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# RF Test Report

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Report No.: AGC00552200501EE10A

**PRODUCT DESIGNATION** : Smart Phone  
**BRAND NAME** : HAFURY  
**MODEL NAME** : M20  
**APPLICANT** : Shenzhen Huafurui Technology Co., Ltd.  
**DATE OF ISSUE** : Jul 22, 2020  
**STANDARD(S)** : EN 301 908-1 V13.1.1(2019-11)  
: EN 301 908-13 V13.1.1(2019-11)  
**REPORT VERSION** : V1.0

## Attestation of Global Compliance (Shenzhen) Co., Ltd

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### Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 22, 2020	Valid	Re-certification

Note: The original test report Ref. No.( AGC00552200501EE10) (dated 2020-06-08), was modified on 2020-07-22 to include the following changes for:

- Updated brand name and model name;
  - Updated battery brand name and model name;
  - Changed software version. (It changes due to the change of the product model, does not affect the test result
- For the above described changes, no further testing necessary.





## TABLE OF CONTENTS

<b>1. TEST REPORT CERTIFICATION.....</b>	<b>7</b>
<b>2. GENERAL INFORMATION.....</b>	<b>8</b>
2.1. DESCRIPTION OF EUT.....	8
2.2. TYPE OF PICS/PIXIT INFORMATION .....	10
<b>3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION.....</b>	<b>12</b>
<b>4. MEASUREMENT UNCERTAINTY.....</b>	<b>14</b>
<b>5. TEST RESULT .....</b>	<b>15</b>
5.1. APPLIED REFERENCE DOCUMENTS .....	15
5.2. TEST ENVIRONMENT/CONDITIONS .....	15
5.3. ITEMS USED IN THE TEST RESULTS LIST .....	16
5.4. TEST RESULTS LIST .....	17
<b>Appendix A for Band 1.....</b>	<b>24</b>
1. Transmitter Maximum Output Power.....	24
2. Transmitter Minimum Output Power.....	25
3. Transmitter Spectrum Emission Mask.....	26
4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR).....	46
5. Transmitter Spurious Emissions.....	66
6. Receiver Spurious Emissions.....	168
7. Receiver Adjacent Channel Selectivity (ACS) .....	172
8. Receiver blocking characteristics .....	173
<b>Narrow Band .....</b>	<b>174</b>
9. Receiver Spurious Response.....	175
10. Receiver Intermodulation Characteristics .....	176
11. Receiver Reference Sensitivity Level.....	177



12. Radiated spurious emissions - MS in idle mode .....	178
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## **Appendix B for Band 3..... 179**

1. Transmitter Maximum Output Power.....	179
2. Transmitter Minimum Output Power.....	181
3. Transmitter Spectrum Emission Mask.....	182
4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR).....	209
5. Transmitter Spurious Emissions.....	236
6. Receiver Spurious Emissions.....	382
7. Receiver Adjacent Channel Selectivity (ACS) .....	386
8. Receiver blocking characteristics .....	387
9. Receiver Spurious Response.....	389
10. Receiver Intermodulation Characteristics .....	390
11. Receiver Reference Sensitivity Level.....	391
12. Radiated spurious emissions - MS in idle mode .....	392

## **Appendix C for Band 7..... 393**

1. Transmitter Maximum Output Power.....	393
2. Transmitter Minimum Output Power.....	394
3. Transmitter Spectrum Emission Mask.....	395
4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR).....	415
5. Transmitter Spurious Emissions.....	435
6. Receiver Spurious Emissions.....	536
7. Receiver Adjacent Channel Selectivity (ACS) .....	540
8. Receiver blocking characteristics .....	541
9. Receiver Spurious Response.....	543
10. Receiver Intermodulation Characteristics .....	544
11. Receiver Reference Sensitivity Level.....	545



12. Radiated spurious emissions - MS in idle mode .....	546
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## **Appendix D for Band 8..... 547**

1. Transmitter Maximum Output Power.....	547
2. Transmitter Minimum Output Power.....	549
3. Transmitter Spectrum Emission Mask.....	550
4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR).....	570
5. Transmitter Spurious Emissions.....	590
6. Receiver Spurious Emissions.....	745
7. Receiver Adjacent Channel Selectivity (ACS) .....	749
8. Receiver blocking characteristics .....	750
9. Receiver Spurious Response.....	752
10. Receiver Intermodulation Characteristics .....	753
11. Receiver Reference Sensitivity Level.....	754
12. Radiated spurious emissions - MS in idle mode .....	755

## **Appendix E for Band 20..... 756**

1. Transmitter Maximum Output Power.....	756
2. Transmitter Minimum Output Power.....	757
3. Transmitter Spectrum Emission Mask.....	758
4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR).....	778
5. Transmitter Spurious Emissions.....	798
6. Receiver Spurious Emissions.....	895
7. Receiver Adjacent Channel Selectivity (ACS) .....	899
8. Receiver blocking characteristics .....	900
9. Receiver Spurious Response.....	902
10. Receiver Intermodulation Characteristics .....	903
11. Receiver Reference Sensitivity Level.....	904



12. Radiated spurious emissions - MS in idle mode .....	905
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<b>APPENDIX F. RADIATED SPURIOUS EMISSIONS TEST RESULT .....</b>	<b>906</b>
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<b>APPENDIX G: PHOTOGRAPHS OF TEST SETUP .....</b>	<b>916</b>
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## 1. TEST REPORT CERTIFICATION

Manufacturer	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
Product Designation	Smart Phone
Brand Name	HAFURY
Test Model	M20
Date of test	May 25, 2020~Jun. 08, 2020
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-EC-LTE2/RF

We, Attestation of Global Compliance (Shenzhen) Co., Ltd., for compliance with the requirements set forth in the European Standard ETSI EN 301 908-1/-13. The results of testing in this report apply to the product system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties. The test results of this report relate only to the tested sample identified in this report.

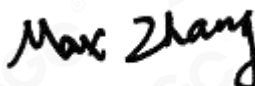
Prepared By



Calvin Liu  
(Project Engineer)

Jun. 08, 2020

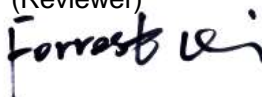
Reviewed By



Max Zhang  
(Reviewer)

Jul. 22, 2020

Approved By



Forrest Lei  
Authorized Officer

Jul. 22, 2020





## 2. GENERAL INFORMATION

### 2.1. DESCRIPTION OF EUT

#### 2.1.1. FINAL EQUIPMENT BUILD STATUS

Details of technical specification refer to the description in follows:

<b>Product Name</b>	Smart Phone
<b>Brand Name</b>	HAFURY
<b>Test Model</b>	M20
<b>Product Type</b>	LTE
<b>Hardware Version</b>	TE647_MAIN_PCN_V1.0
<b>Software Version</b>	HAFURY_M20_A041CH_V03_20200713
<b>LTE Support Band</b>	<input checked="" type="checkbox"/> FDD Band 1 <input checked="" type="checkbox"/> FDD Band 3 <input checked="" type="checkbox"/> FDD Band 7 <input checked="" type="checkbox"/> FDD Band 8 <input checked="" type="checkbox"/> FDD Band 20 <input type="checkbox"/> TDD Band 33 <input type="checkbox"/> TDD Band 34 <input type="checkbox"/> TDD Band 38 <input type="checkbox"/> TDD Band 40 <input type="checkbox"/> TDD Band 42 <input type="checkbox"/> TDD Band 43 (EU Bands) <input type="checkbox"/> FDD Band 2 <input type="checkbox"/> FDD Band 4 <input type="checkbox"/> FDD Band 5 <input type="checkbox"/> FDD Band 17 <input type="checkbox"/> FDD Band 25 <input type="checkbox"/> FDD Band 26 <input type="checkbox"/> TDD Band 41 (Non-EU Bands)
<b>TX Frequency Range</b>	FDD Band 1: 1920 MHz – 1980 MHz FDD Band 3: 1710 MHz – 1785 MHz FDD Band 7: 2500 MHz – 2570 MHz FDD Band 8: 880 MHz – 915 MHz FDD Band 20: 832 MHz – 862 MHz
<b>RX Frequency Range</b>	FDD Band 1: 2110 MHz – 2170 MHz FDD Band 3: 1805 MHz – 1880 MHz FDD Band 7: 2620 MHz – 2690 MHz FDD Band 8: 925 MHz – 960 MHz FDD Band 20: 791 MHz – 821 MHz
<b>Modulation Mode</b>	QPSK/16QAM
<b>Antenna Type</b>	PIFA Antenna
<b>LTE Antenna Gain</b>	1.98dBi(Band 1); 2.49dBi(Band 3); 1.55dBi(Band 7);2.40dBi(Band 8); 1.74dBi(Band 20)
<b>Diversity Antenna Gain</b>	1.89dBi(Band 1); 2.36dBi(Band 3); 1.47dBi(Band 7);2.33dBi(Band 8); 1.58dBi(Band 20)
<b>Power Class</b>	FDD Band 1:3, FDD Band 3:3, FDD Band 7:3, FDD Band 8:3, FDD Band 20:3
<b>GSM Release Version</b>	N/A
<b>SIM Card Description</b>	There are dual-SIM cards, just one for GSM/WCDMA/LTE and the other only for GSM.
<b>Diversity Antenna Description</b>	Diversity antenna is only used to receive. Its purpose is to increase sensitivity of LTE. The receiver items test results in the report already contain the diversity antenna test.



### 2.1.2. PHOTOGRAPHS OF THE EUT

Please see APPENX A for photographs of the EUT.

### 2.1.3. IDENTIFICATION OF SAMPLES EUT

The EUT Identity consists of numerical and letter characters (see the table below), the first five numerical characters indicates the Type of the EUT defined by AGC, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

#### SAMPLE A01

Sample Reference Number	A01
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Test Model	M20
Product Type	FDD Band 1; FDD Band 3; FDD Band 7; FDD Band 8; FDD Band 20
Frequency Bands	QPSK/16QAM;



## 2.2. TYPE OF PICS/PIXIT INFORMATION

Item	Operating bands RF Baseline Implementation capabilities	Support	Allowed Value	Comments
1	Frequency band: 1920-1980, 2110-2170 MHz	YES	Yes/No	Band 1
2	Frequency band: 1850-1910, 1930-1990 MHz	NO	Yes/No	Band 2
3	UE Power Class 3 (+23 dBm)	YES	Yes/No	--
4	Frequency band: 1710-1785, 1805-1880 MHz	YES	Yes/No	Band 3
5	Frequency band: 1710-1755, 2110-2155 MHz	NO	Yes/No	Band 4
6	Frequency band: 824-849, 869-894 MHz	NO	Yes/No	Band 5
7	Frequency band: 830-840, 875-885 MHz	NO	Yes/No	Band 6
8	Frequency band: 2500-2570, 2620-2690 MHz	YES	Yes/No	Band 7
9	Frequency band: 880-915, 925-960 MHz	YES	Yes/No	Band 8
10	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	NO	Yes/No	Band 9
11	Frequency band: 1710-1770, 2110-2170 MHz	NO	Yes/No	Band 10
12	Frequency band: 1427.9-1452.9, 1475.9-1500.9 MHz	NO	Yes/No	Band 11
13	Frequency band: 699-716, 729-746 MHz	NO	Yes/No	Band 12
14	Frequency band: 777-787, 746-756 MHz	NO	Yes/No	Band 13
15	Frequency band: 788-798, 758-768 MHz	NO	Yes/No	Band 14
16	Reserved	NO	Yes/No	Band 15
17	Reserved	NO	Yes/No	Band 16
18	Frequency band: 704 – 716 , 734 – 746 MHz	NO	Yes/No	Band 17
19	Frequency band: 815-830, 860-875 MHz	NO	Yes/No	Band 18
20	Frequency band: 830-845, 875-890 MHz	NO	Yes/No	Band 19
21	Frequency band: 832-862, 791-821 MHz	YES	Yes/No	Band 20
22	Frequency band: 1447.9-1462.9, 1495.9-1510.9 MHz	NO	Yes/No	Band 21
23	Frequency band: 3410-3490, 3510-3590 MHz	NO	Yes/No	Band 22
24	Frequency band: 2000-2020, 2180-2200 MHz	NO	Yes/No	Band 23



25	Frequency band: 1626.5-1660.5,1525-1559 MHz	NO	Yes/No	Band 24
26	Frequency band: 1850-1915,1930-1995 MHz	NO	Yes/No	Band 25
27	Frequency band: 814-849,859-894 MHz	NO	Yes/No	Band 26
28	Frequency band: 807-824,852-869 MHz	NO	Yes/No	Band 27
29	Frequency band: 703-748,758-803 MHz	NO	Yes/No	Band 28
30	Frequency band: N/A,DL: 717-728 MHz	NO	Yes/No	Band 29
31	Frequency band:2305-2315, 2350- 2360 MHz	NO	Yes/No	Band 30
32	Frequency band:452.5-457.5, 462.5 - 467.5MHz	NO	Yes/No	Band 31
33				...
34	Frequency band:1900-1920, 1900-1920 MHz	NO	Yes/No	Band 33
35	Frequency band:2010-2025, 2010-2025 MHz	NO	Yes/No	Band 34
36	Frequency band:18501910, 1850-1910 MHz	NO	Yes/No	Band 35
37	Frequency band:1930-1990, 1930-1990 MHz	NO	Yes/No	Band 36
38	Frequency band:19101930, 1910-1930 MHz	NO	Yes/No	Band 37
39	Frequency band:2570-2620, 2570-2620 MHz	NO	Yes/No	Band 38
40	Frequency band:1880-1920, 1880-1920 MHz	NO	Yes/No	Band 39
41	Frequency band:2300-2400, 2300-2400 MHz	NO	Yes/No	Band 40
42	Frequency band:2496-2690, 2496- 2690 MHz	NO	Yes/No	Band 41
43	Frequency band:3400-3600, 3400-3600 MHz	NO	Yes/No	Band 42
44	Frequency band:3600-3800, 3600-3800 MHz	NO	Yes/No	Band 43
45	Frequency band:703-803, 703-803 MHz	NO	Yes/No	Band 44

Note 1: Band 6 is not applicable.

Note 2: Restricted to E-UTRA operation when carrier aggregation is configured. The downlink operating band is paired with the uplink operating band (external) of the carrier aggregation configuration that is supporting the configured Pcell.





### 3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China
Note: Section 5.3.1 items were tested in the Laboratory of Location 2. Others were tested in the Laboratory of Location 1.	

#### LIST OF EQUIPMENTS USED OF AGC&NETC

No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
1	H & T Chamber ETH225-40A	Test EQ	WIT-05121302	Feb. 25, 2020	Feb. 24, 2021
2	Wireless communication test CMW500	R&S	120909	July 11, 2019	July 10, 2020
3	Wireless communication test set 8960	Agilent	GB46200384	July 11, 2019	July 10, 2020
4	Power Splitter 7100LC	KALMUS	04-02/17-06-001	June 12, 2019	June 11, 2020
5	Attenuator	JFW	50FHC-006-50	June 12, 2019	June 11, 2020
6	Vector Signal Generator SMU200A	R&S	104332	Sep. 18, 2019	Sep. 17, 2020
8	EXA Signal Analyzer N9010A	Agilent	MY53470504	Dec. 18, 2019	Dec. 17, 2020
9	MXG Vector Signal Generator N5182A	AGILENT	MY50140530	Sep. 18, 2019	Sep. 17, 2020
10	PSG Analog Signal Generator E8257D	AGILENT	MY45141029	Sep. 18, 2019	Sep. 17, 2020
11	MXA Signal Analyzer N9020A	AGILENT	W1312-60196	Dec. 18, 2019	Dec. 17, 2020
12	Universal Switch Control Unit	JS TONSCEND	N/A	---	---
13	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug. 16, 2019	Aug. 15, 2020
14	DC Power Source	N/A	GBD-60V30A	Feb. 25, 2020	Feb. 24, 2021
15	Attenuator	JFW	50FHC-006-50	June 12, 2019	June 11, 2020
16	EMI Test Receiver	ESCI	100694	June 12, 2019	June 11, 2020
17	Double-Ridged Waveguide Horn Antenna 3117	ETS LINDGREN	00034609	May 17, 2019	May 16, 2021
18	Broadband Antenna VULB9168	SCHWARZBECK	D69250	Sep. 19, 2019	Sep. 18, 2020





No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
19	Triple Loop Antenna RF300	LAPLACE	N/A	Feb. 27, 2020	Feb. 26, 2021
20	Artificial Mains Network ENV4200	R&S	101116	July 11, 2019	July 10, 2020
21	Artificial Mains Network ENV216	R&S	101242	July 11, 2019	July 10, 2020
22	Filter Bank Notch 1(880-915MHz)	MICRO-TRONIC S	010	Feb. 25, 2020	Feb. 24, 2021
23	Filter Bank Notch 2(1710-1785MHz)	MICRO-TRONIC S	009	Feb. 25, 2020	Feb. 24, 2021
24	Filter Bank Notch 3(1920-1980MHz)	MICRO-TRONIC S	008	Feb. 25, 2020	Feb. 24, 2021



#### 4. MEASUREMENT UNCERTAINTY

Parameter	Conditions	Test System Uncertainty
Transmitter Maximum Output power	--	$\pm 0,7$ dB
Transmitter spectrum emissions mask	--	$\pm 1,5$ dB
Transmitter spurious emissions	9 kHz < f ≤ 4 GHz: $\pm 2,0$ dB 4 GHz < f ≤ 12,75 GHz: $\pm 4,0$ dB	$\pm 2,0$ dB $\pm 4,0$ dB
Transmitter Minimum output power	--	$\pm 1,0$ dB
Receiver Adjacent Channel Selectivity(ACS)	--	$\pm 1,1$ dB
Receiver Blocking characteristics	1 MHz < finterferer ≤ 3 GHz 3 GHz < finterferer ≤ 12,75 GHz	$\pm 1,3$ dB $\pm 3,2$ dB
Receiver spurious response	1 MHz < finterferer ≤ 3 GHz 3 GHz < finterferer ≤ 12,75 GHz	$\pm 1,3$ dB $\pm 3,2$ dB
Receiver intermodulation characteristics	--	$\pm 1,4$ dB
Receiver spurious emissions	30 MHz ≤ f ≤ 4,0 GHz: $\pm 2,0$ dB 4 GHz < f ≤ 12,75 GHz: $\pm 4,0$ dB	$\pm 2,0$ dB $\pm 4,0$ dB
Transmitter adjacent channel leakage power ratio	--	$\pm 0,8$ dB

NOTE 1: For RF tests it should be noted that the uncertainties in table 5.2-1 apply to the test system operating into a nominal 50 Ω load and do not include system effects due to mismatch between the EUT and the test system.

NOTE 2: If the test system for a test is known to have a measurement uncertainty greater than that specified in table 5.2-1, this equipment can still be used provided that an adjustment is made follows: any additional uncertainty in the test system over and above that specified in table 5.2-1 should be used to tighten the test requirements - making the test harder to pass (for some tests, e.g. receiver tests, this may require modification of stimulus signals). This procedure will ensure that a test system not compliant with table 5.2-1 does not increase the probability of passing an EUT that would otherwise have failed a test if a test system compliant with table 5.2-1 had been used.



## 5. TEST RESULT

### 5.1. APPLIED REFERENCE DOCUMENTS

Leading reference documents for testing:

No.	Identity	Document Title
1	ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements
2	ETSI EN 301 908-13	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

Specific reference documents for testing:

No.	Identity	Document Title
3	ETSI TS 136 521-1	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing

### 5.2. TEST ENVIRONMENT/CONDITIONS

Normal Temperature (NT)	15 ... 35 °C
Relative Humidity	30 ... 75 %
Air Pressure	980 ... 1020 kPa
Adapter Test Model Name	TPA-97050100VU
Details of Power Supply (Rated Input)	AC100-240V, 50/60Hz, 0.15A
Details of Power Supply (Rated Output)	DC5.0V,1000mA
Extreme Temperature	Low Temperature (TL) = -10°C High Temperature (TH) = +40°C
Extreme Voltage of the EUT	Low Voltage = DC 3.23V Normal Voltage = DC 3.80V High Voltage = DC 4.35V

**Note:** The Limit Voltage 4.35V was declared by manufacturer,  
The EUT couldn't be operate normally with higher voltage.  
The maximum temperature of 40 is not a standard requirement and is measured according to the maximum service temperature stated by the manufacturer.

### 5.3. ITEMS USED IN THE TEST RESULTS LIST

Terms in the column “Verdict” for the test results list of the section:

Verdict	Description
PASS	EUT passed this test case
FAIL	EUT failed this test case
INC.	EUT did not pass and did not fail this test case, therefore the verdict is inconclusive
FOUR-FAITH	Test case not applicable for the EUT, see the column “Note” for detailed





#### 5.4. TEST RESULTS LIST

##### ETSI EN 301 908-1

Test case	Description	Condition	FDD Band 1		FDD Band 3		FDD Band 7	
			Sample	Result	Sample	Result	Sample	Result
5.3.1	Radiated emission (UE)	NTC	A01	PASS	A01	PASS	A01	PASS
5.3.3	Control and monitoring functions (UE)	NTC	A01	PASS	A01	PASS	A01	PASS

Test case	Description	Condition	FDD Band 8		FDD Band 20	
			Sample	Result	Sample	Result
5.3.1	Radiated emission (UE)	NTC	A01	PASS	A01	PASS
5.3.3	Control and monitoring functions (UE)	NTC	A01	PASS	A01	PASS





## ETSI EN 301 908-13

Teat case in ETSI	Description	Test Channel Bandwidths	condition	FDD Band 3	
				Sample	Result
4.2.2	Transmitter Maximum Output Power	1.4MHz 5MHz 20MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.5	Transmitter Minimum Output Power	1.4MHz 5MHz 20MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.3	Transmitter Spectrum Emission Mask	1.4MHz 5MHz 10MHz 20MHz	NTC	A01	PASS
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	1.4MHz 5MHz 10MHz 20MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.4	Transmitter Spurious Emissions	1.4MHz 5MHz 20MHz	NTC	A01	PASS



4.2.6	Receiver Adjacent Channel	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.7	Receiver Blocking Characteristics	1.4MHz 5MHz 20MHz	In band	A01	PASS
	Receiver Blocking Characteristics		Out Band	A01	PASS
	Receiver Blocking Characteristics		Narrow Band	A01	PASS
4.2.8	Receiver Spurious Response	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.9	Receiver Intermodulation Characteristics	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.10	Receiver Spurious Emissions	20MHz	NTC	A01	PASS
4.2.12	Receiver Reference Sensitivity Level	1.4MHz 5MHz 20MHz	NTC	A01	PASS

Channel Bandwidths to be tested: lowest, 1.4 MHz and 20 MHz highest channel bandwidth  
Band 3: 1.4MHz/3MHz/5MHz/10MHz/15MHz/20MHz



Teat case in ETSI	Description	Test Channel Bandwidths	condition	FDD Band 8	
				Sample	Result
4.2.2	Transmitter Maximum Output Power	1.4MHz 5MHz 10MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.5	Transmitter Minimum Output Power	1.4MHz 5MHz 10MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.3	Transmitter Spectrum Emission Mask	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	1.4MHz 5MHz 10MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.4	Transmitter Spurious Emissions	1.4MHz 5MHz 10MHz	NTC	A01	PASS



4.2.6	Receiver Adjacent Channel	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.7	Receiver Blocking Characteristics	1.4MHz 5MHz 10MHz	In band	A01	PASS
	Receiver Blocking Characteristics		Out Band	A01	PASS
	Receiver Blocking Characteristics		Narrow Band	A01	PASS
4.2.8	Receiver Spurious Response	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.9	Receiver Intermodulation Characteristics	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.10	Receiver Spurious Emissions	10MHz	NTC	A01	PASS
4.2.12	Receiver Reference Sensitivity Level	1.4MHz 5MHz 10MHz	NTC	A01	PASS

Channel Bandwidths to be tested: lowest, 5 MHz and highest channel bandwidth  
Band 8: 1.4MHz/3MHz/5MHz/10MHz





Teat case in ETSI	Description	Test Channel Bandwidths	condition	FDD Band 1		FDD Band 7		FDD Band 20		Remark
				Sample	Result	Sample	Result	Sample	Result	
4.2.2	Transmitter Maximum Output Power	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
			HTHV	A01	PASS	A01	PASS	A01	PASS	--
			HTLV	A01	PASS	A01	PASS	A01	PASS	--
			LTHV	A01	PASS	A01	PASS	A01	PASS	--
			LTLV	A01	PASS	A01	PASS	A01	PASS	--
4.2.5	Transmitter Minimum Output Power	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
			HTHV	A01	PASS	A01	PASS	A01	PASS	--
			HTLV	A01	PASS	A01	PASS	A01	PASS	--
			LTHV	A01	PASS	A01	PASS	A01	PASS	--
			LTLV	A01	PASS	A01	PASS	A01	PASS	--
4.2.3	Transmitter Spectrum Emission Mask	5MHz 10MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	5MHz 10MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
			HTHV	A01	PASS	A01	PASS	A01	PASS	--
			HTLV	A01	PASS	A01	PASS	A01	PASS	--
			LTHV	A01	PASS	A01	PASS	A01	PASS	--
			LTLV	A01	PASS	A01	PASS	A01	PASS	--
4.2.4	Transmitter Spurious Emissions	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--





4.2.6	Receiver Adjacent Channel	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.7	Receiver Blocking Characteristics	5MHz 20MHz	In band	A01	PASS	A01	PASS	A01	PASS	--
	Receiver Blocking Characteristics		Out Band	A01	PASS	A01	PASS	A01	PASS	--
	Receiver Blocking Characteristics		Narrow Band	A01	PASS	A01	PASS	A01	PASS	--
4.2.8	Receiver Spurious Response	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.9	Receiver Intermodulation Characteristics	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.10	Receiver Spurious Emissions	20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.12	Receiver Reference Sensitivity Level	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--

Channel Bandwidths to be tested: lowest, 5 MHz and highest channel 20MHz bandwidth.

*Note:* 1. Test reports have put the diversity antenna coupled together by the power divider test.  
2. The test result is SIM Card 1 ( only SIM Card 1 support LTE ) and recorded in the test report.



## Appendix A for Band 1

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 1 TNNV) of fellow:

#### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	24.26	Pass
					max	24.19	Pass
				Partial	0	24.31	Pass
					max	24.31	Pass
			Mid range	1	0	24.36	Pass
					max	24.32	Pass
				Partial	0	24.08	Pass
					max	24.24	Pass
			High range	1	0	23.36	Pass
					max	23.15	Pass
				Partial	0	22.99	Pass
					max	22.91	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	24.36	Pass
					max	22.65	Pass
				Partial	0	24.26	Pass
					max	22.53	Pass
			Mid range	1	0	23.93	Pass
					max	23.94	Pass
				Partial	0	22.95	Pass
					max	23.93	Pass
			High range	1	0	24.02	Pass
					max	22.13	Pass
				Partial	0	24.05	Pass
					max	22.17	Pass



## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 1 NTNV) of fellow:

### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-48.05	Pass
			Mid range	Full	0	-49.67	Pass
			High range	Full	0	-50.17	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-49.92	Pass
			Mid range	Full	0	-49.59	Pass
			High range	Full	0	-49.76	Pass



### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
			Full	0	PUMAX	Pass		

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
	Full			0	PUMAX	Pass	
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass





			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

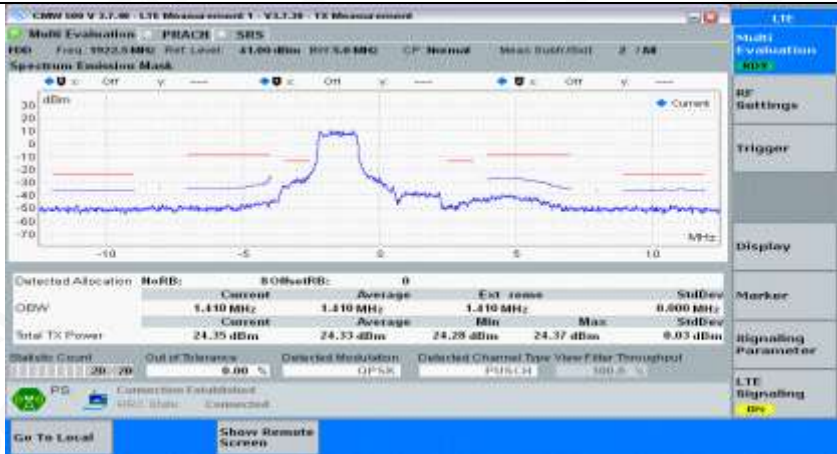
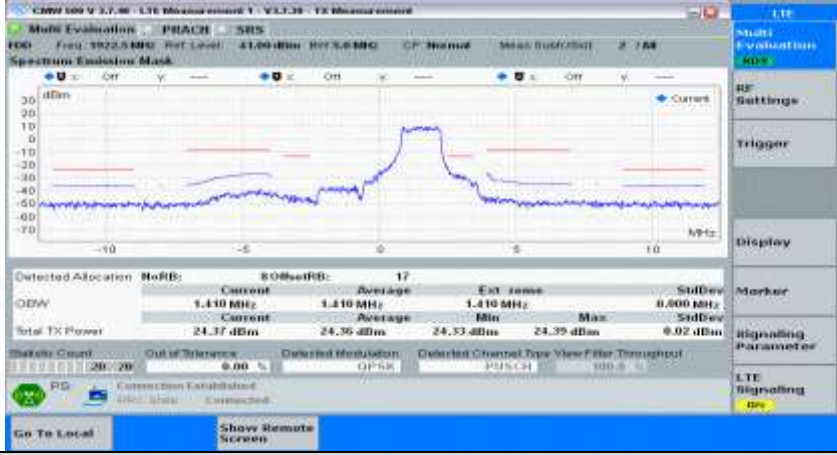

### Test Graphs

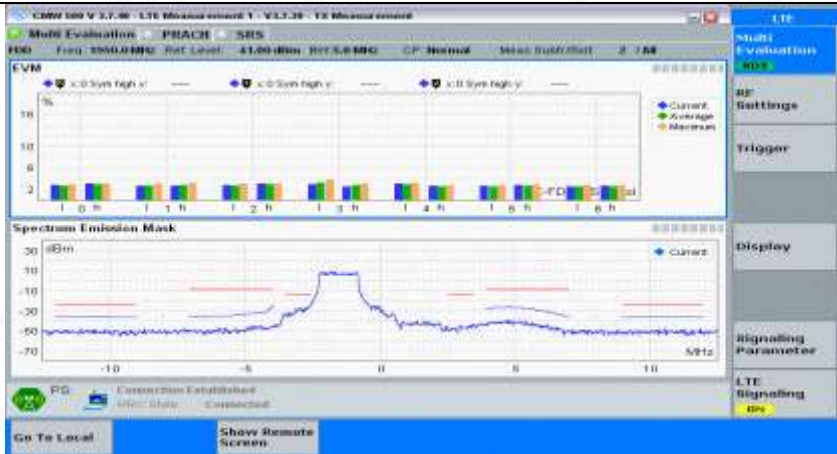
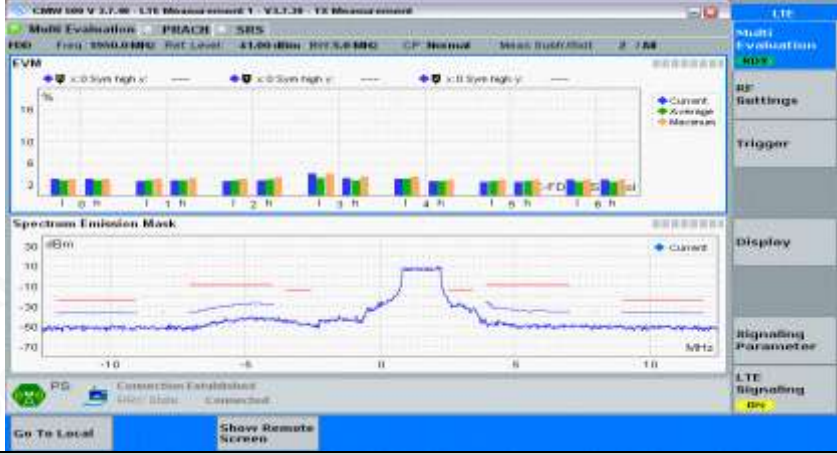
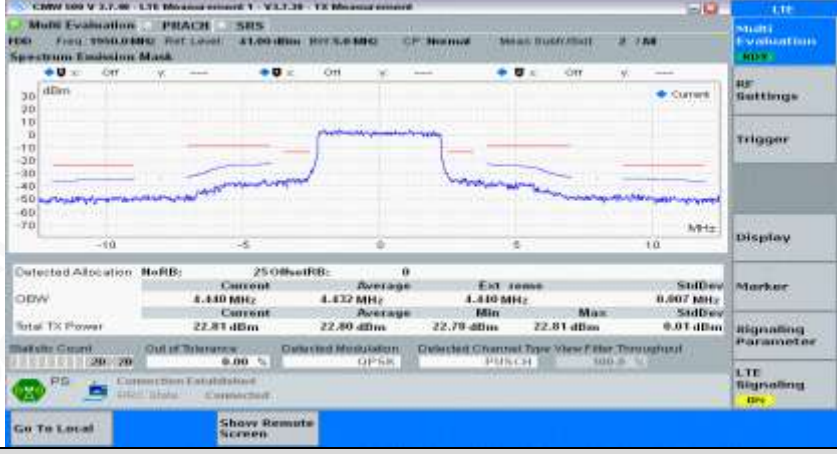
NTNV

### Channel Bandwidth=Lowest (5 MHz)

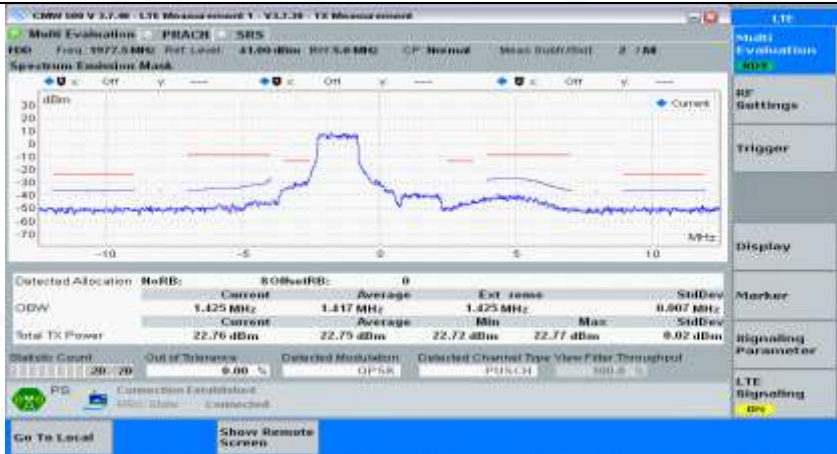
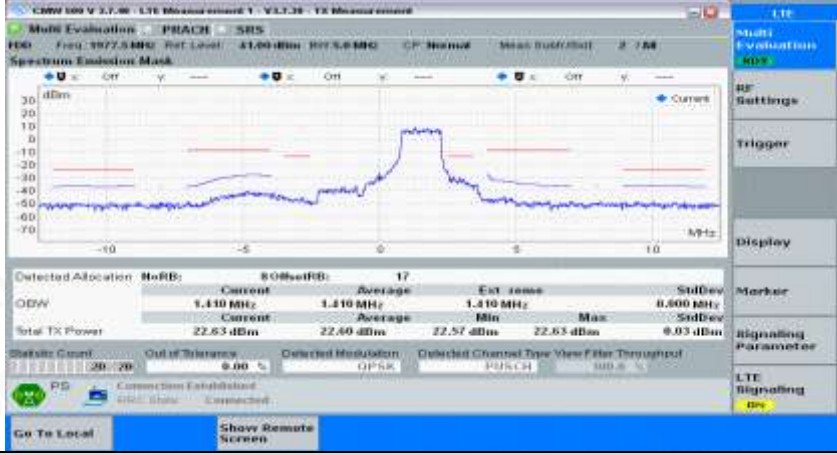

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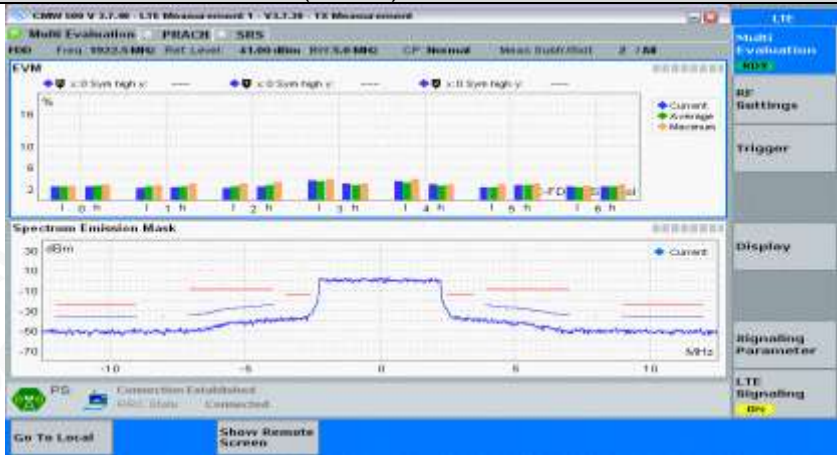
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	

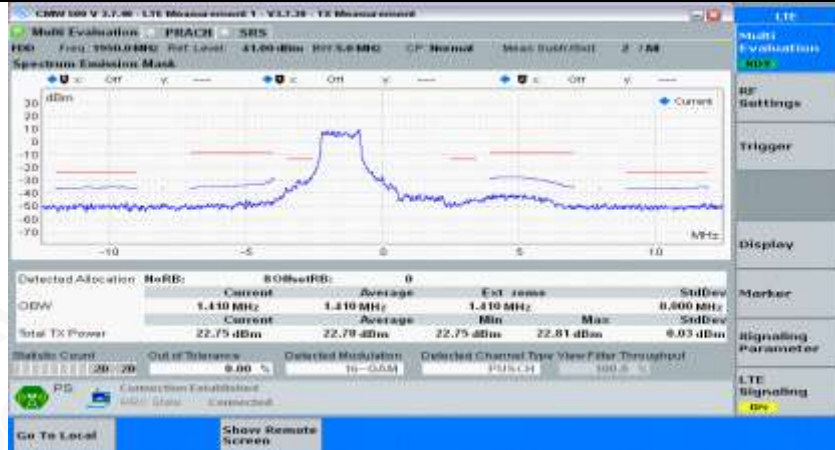
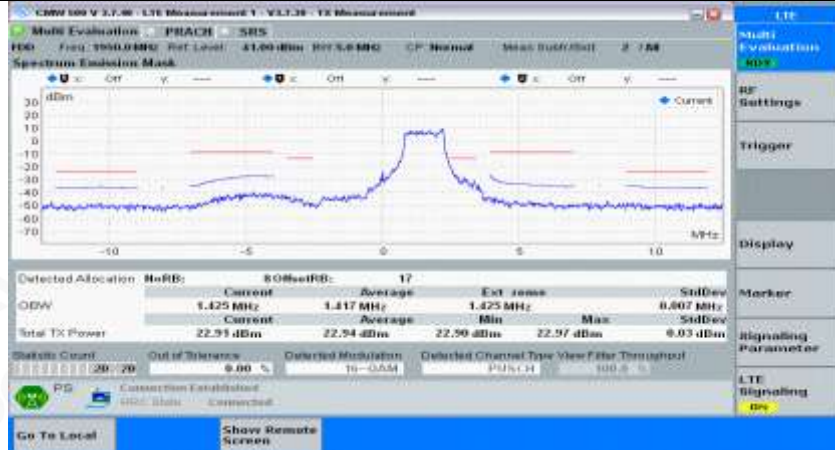
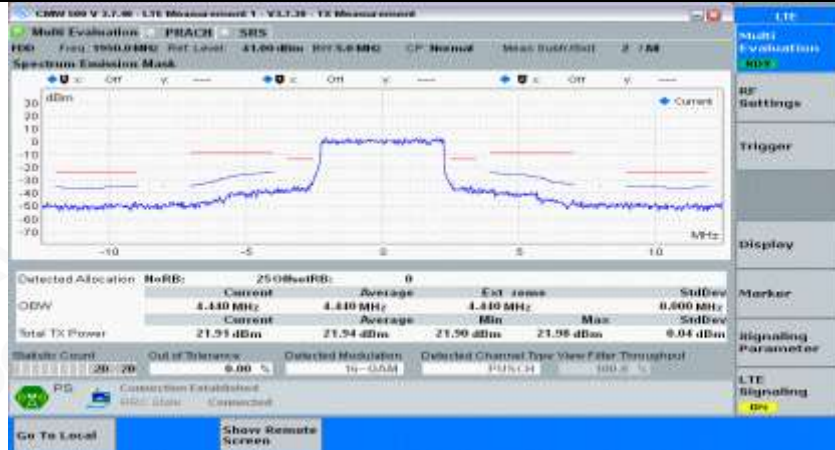
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	



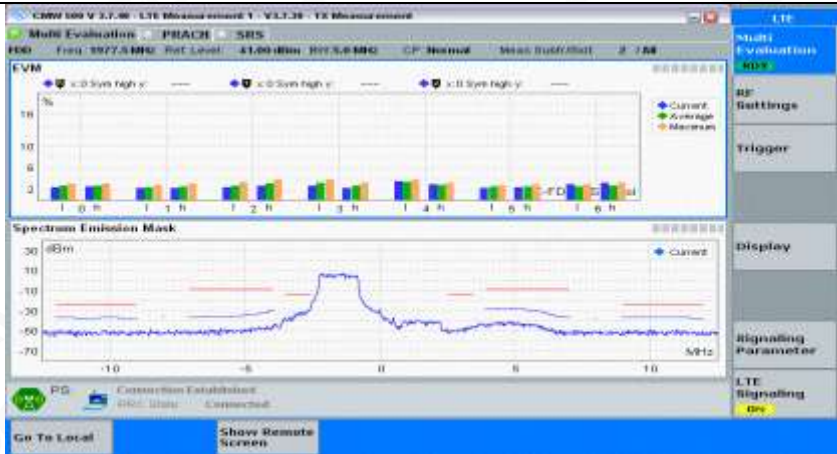
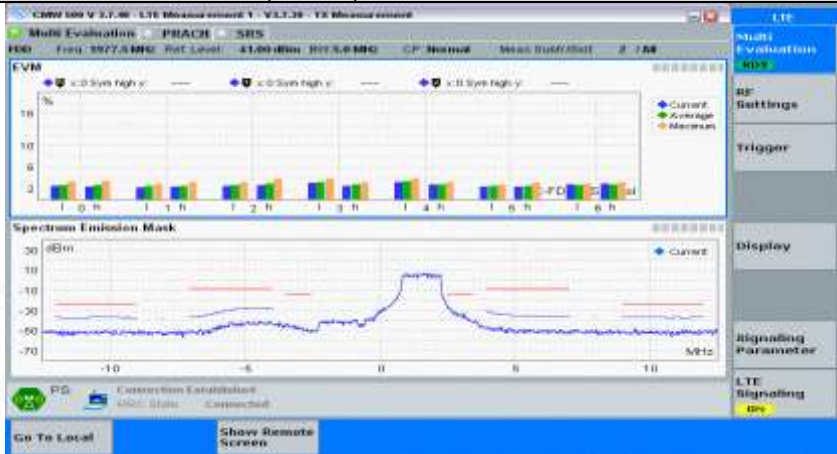
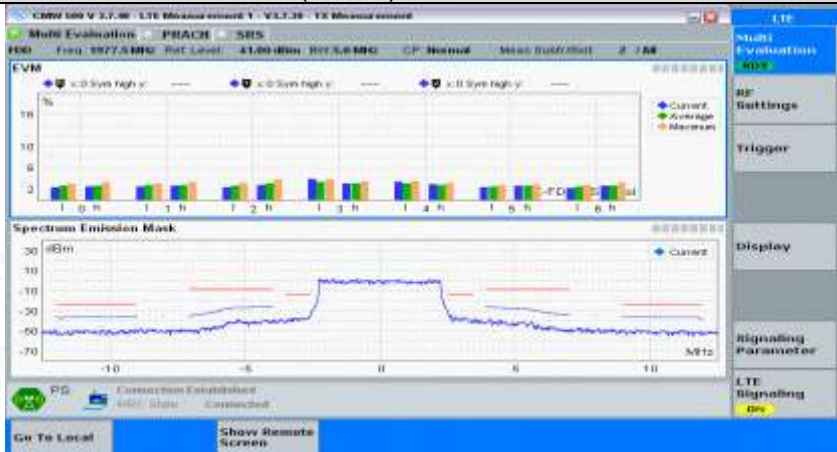
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

16QAM	 <table><tr><th colspan="2">Detected Allocation</th><th colspan="2">80 subcarriers</th><th colspan="2">0</th><th colspan="2">Ext. tones</th><th colspan="2">SubDev</th></tr><tr><th>OBW</th><th>Current</th><th>Average</th><th>1.410 MHz</th><th>1.410 MHz</th><th>1.410 MHz</th><th>0.007 MHz</th><th>0.007 MHz</th><th>0.007 MHz</th><th>0.03 dBm</th></tr><tr><td>Total TX Power</td><td>22.75 dBm</td><td>22.70 dBm</td><td>22.75 dBm</td><td>22.81 dBm</td><td>22.81 dBm</td><td>22.81 dBm</td><td>22.81 dBm</td><td>22.81 dBm</td><td>0.03 dBm</td></tr></table>	Detected Allocation		80 subcarriers		0		Ext. tones		SubDev		OBW	Current	Average	1.410 MHz	1.410 MHz	1.410 MHz	0.007 MHz	0.007 MHz	0.007 MHz	0.03 dBm	Total TX Power	22.75 dBm	22.70 dBm	22.75 dBm	22.81 dBm	22.81 dBm	22.81 dBm	22.81 dBm	22.81 dBm	0.03 dBm	Multi Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Detected Allocation		80 subcarriers		0		Ext. tones		SubDev																								
OBW	Current	Average	1.410 MHz	1.410 MHz	1.410 MHz	0.007 MHz	0.007 MHz	0.007 MHz	0.03 dBm																							
Total TX Power	22.75 dBm	22.70 dBm	22.75 dBm	22.81 dBm	22.81 dBm	22.81 dBm	22.81 dBm	22.81 dBm	0.03 dBm																							
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max																																
16QAM	 <table><tr><th colspan="2">Detected Allocation</th><th colspan="2">17 subcarriers</th><th colspan="2">0</th><th colspan="2">Ext. tones</th><th colspan="2">SubDev</th></tr><tr><th>OBW</th><th>Current</th><th>Average</th><th>1.425 MHz</th><th>1.417 MHz</th><th>1.425 MHz</th><th>0.007 MHz</th><th>0.007 MHz</th><th>0.007 MHz</th><th>0.03 dBm</th></tr><tr><td>Total TX Power</td><td>22.93 dBm</td><td>22.94 dBm</td><td>22.90 dBm</td><td>22.97 dBm</td><td>22.97 dBm</td><td>22.97 dBm</td><td>22.97 dBm</td><td>22.97 dBm</td><td>0.03 dBm</td></tr></table>	Detected Allocation		17 subcarriers		0		Ext. tones		SubDev		OBW	Current	Average	1.425 MHz	1.417 MHz	1.425 MHz	0.007 MHz	0.007 MHz	0.007 MHz	0.03 dBm	Total TX Power	22.93 dBm	22.94 dBm	22.90 dBm	22.97 dBm	22.97 dBm	22.97 dBm	22.97 dBm	22.97 dBm	0.03 dBm	Multi Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Detected Allocation		17 subcarriers		0		Ext. tones		SubDev																								
OBW	Current	Average	1.425 MHz	1.417 MHz	1.425 MHz	0.007 MHz	0.007 MHz	0.007 MHz	0.03 dBm																							
Total TX Power	22.93 dBm	22.94 dBm	22.90 dBm	22.97 dBm	22.97 dBm	22.97 dBm	22.97 dBm	22.97 dBm	0.03 dBm																							
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0																																
16QAM	 <table><tr><th colspan="2">Detected Allocation</th><th colspan="2">250 subcarriers</th><th colspan="2">0</th><th colspan="2">Ext. tones</th><th colspan="2">SubDev</th></tr><tr><th>OBW</th><th>Current</th><th>Average</th><th>4.440 MHz</th><th>4.440 MHz</th><th>4.440 MHz</th><th>0.000 MHz</th><th>0.000 MHz</th><th>0.000 MHz</th><th>0.04 dBm</th></tr><tr><td>Total TX Power</td><td>21.91 dBm</td><td>21.94 dBm</td><td>21.90 dBm</td><td>21.96 dBm</td><td>21.96 dBm</td><td>21.96 dBm</td><td>21.96 dBm</td><td>21.96 dBm</td><td>0.04 dBm</td></tr></table>	Detected Allocation		250 subcarriers		0		Ext. tones		SubDev		OBW	Current	Average	4.440 MHz	4.440 MHz	4.440 MHz	0.000 MHz	0.000 MHz	0.000 MHz	0.04 dBm	Total TX Power	21.91 dBm	21.94 dBm	21.90 dBm	21.96 dBm	21.96 dBm	21.96 dBm	21.96 dBm	21.96 dBm	0.04 dBm	Multi Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Detected Allocation		250 subcarriers		0		Ext. tones		SubDev																								
OBW	Current	Average	4.440 MHz	4.440 MHz	4.440 MHz	0.000 MHz	0.000 MHz	0.000 MHz	0.04 dBm																							
Total TX Power	21.91 dBm	21.94 dBm	21.90 dBm	21.96 dBm	21.96 dBm	21.96 dBm	21.96 dBm	21.96 dBm	0.04 dBm																							
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0																																

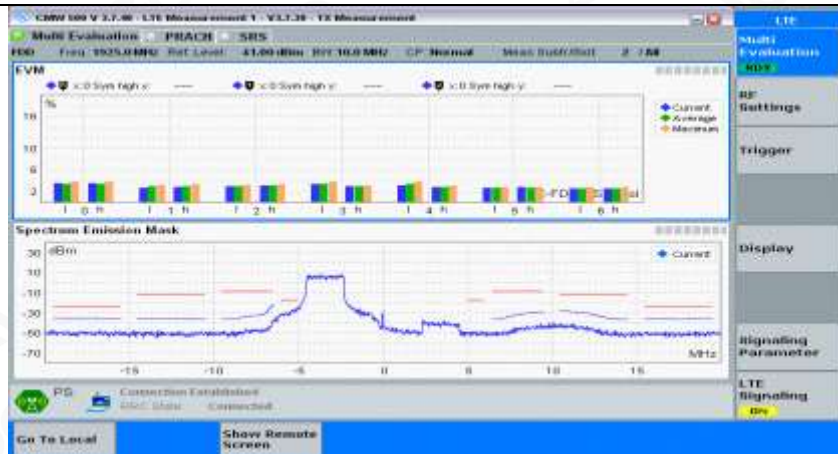
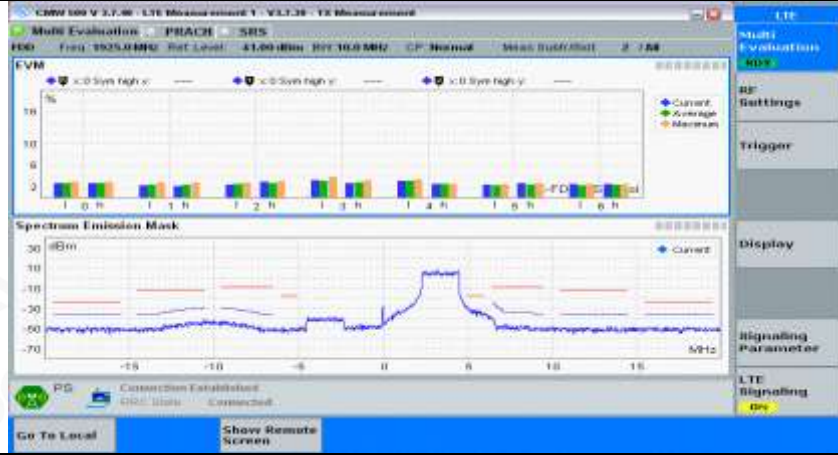
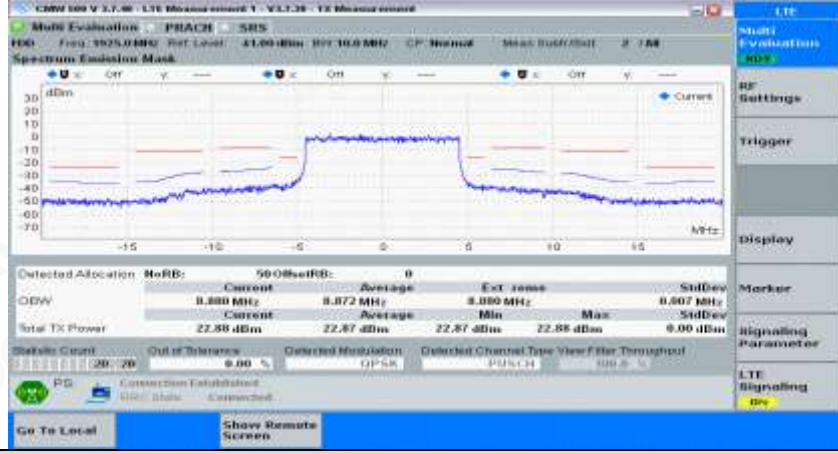


16QAM	
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16QAM	
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16QAM	

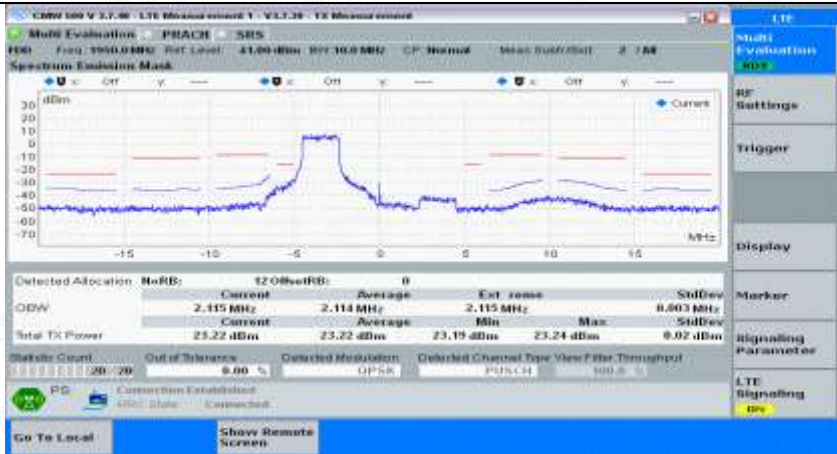
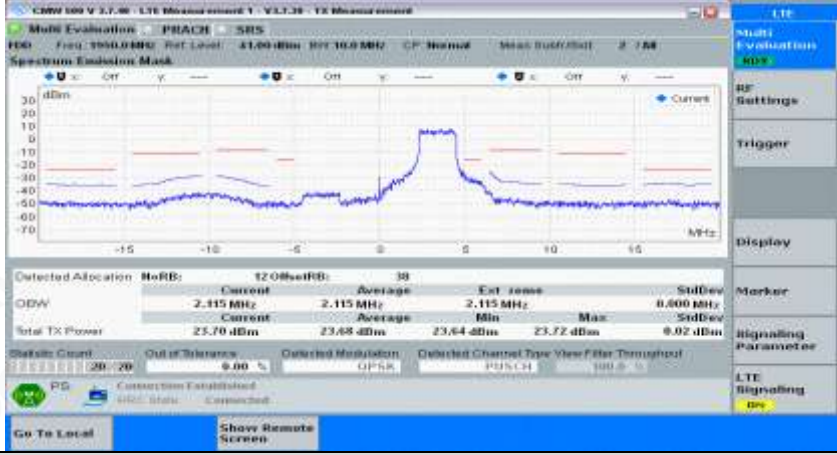
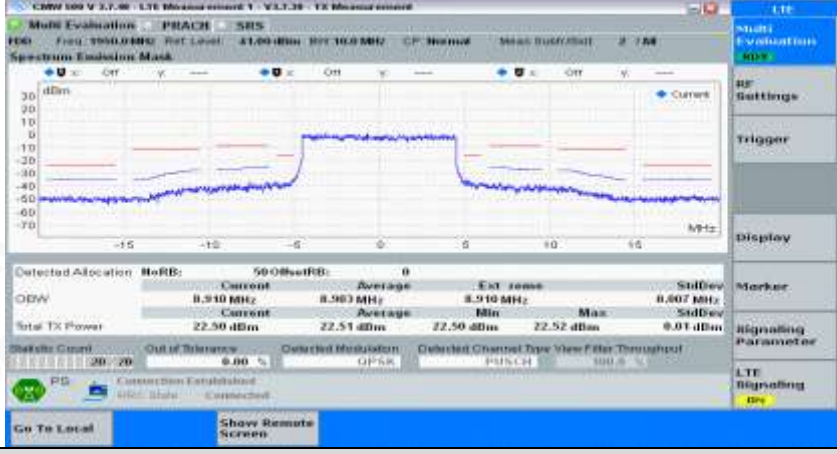
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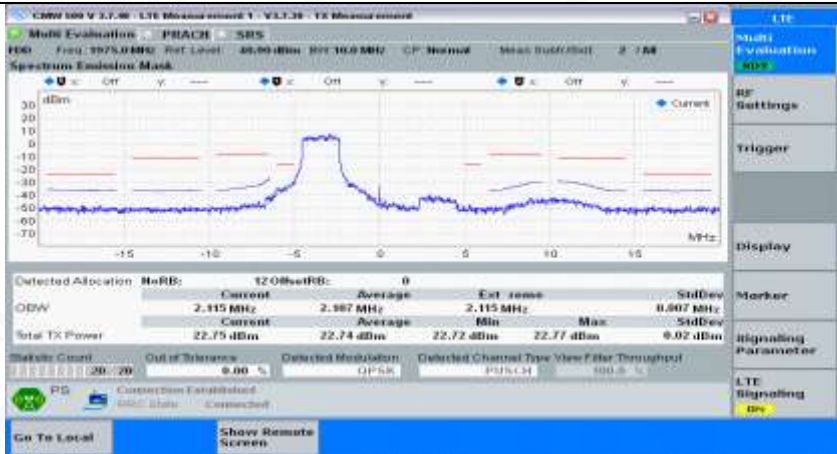
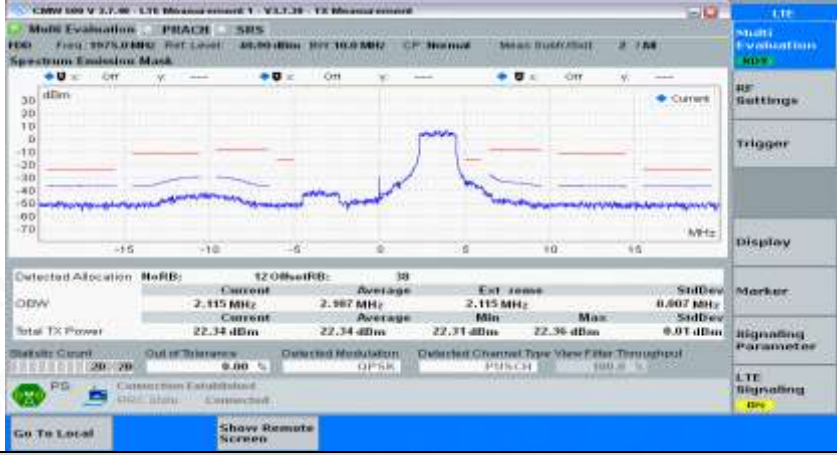
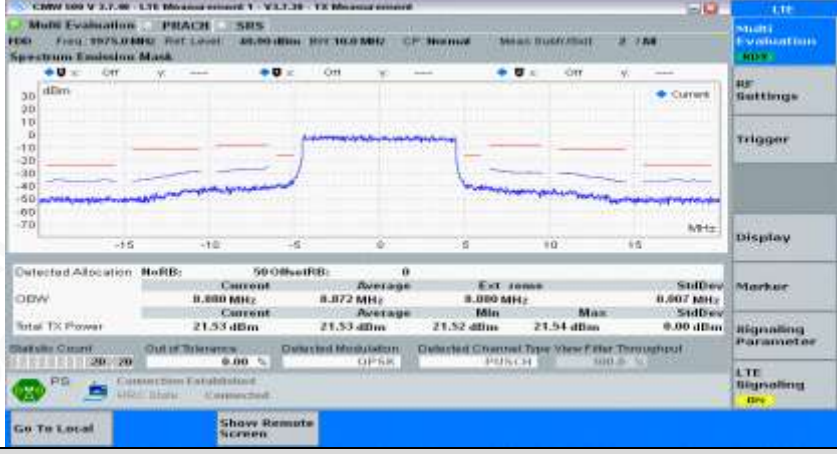
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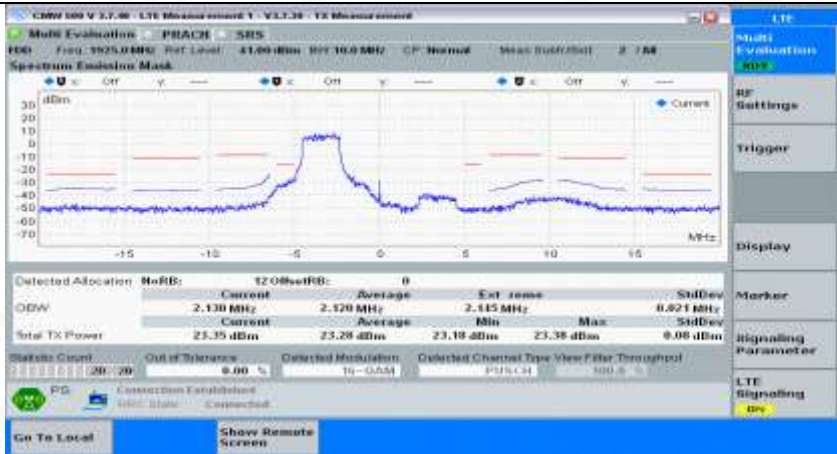
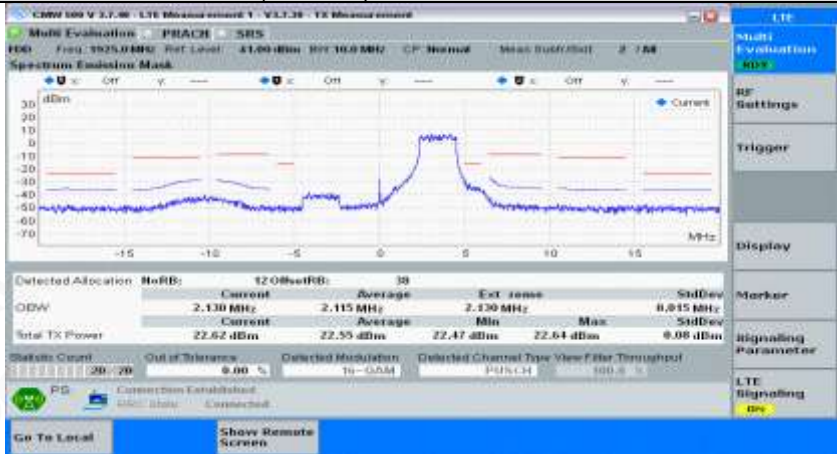
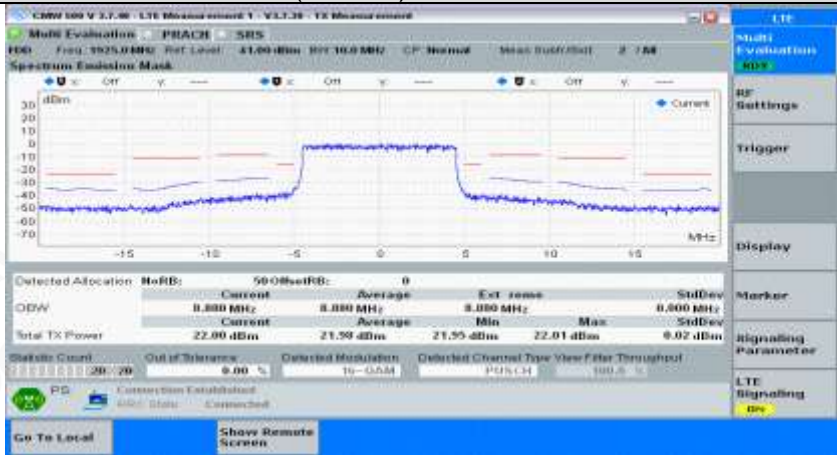
QPSK																																					
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max																																					
QPSK																																					
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0																																					
QPSK	 <table data-bbox="469 1487 1291 1599"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB</th><th colspan="2">50.0MHzRB</th><th colspan="2">Average</th><th colspan="2">Ext. times</th><th colspan="2">StdDev</th></tr><tr><td>QBW</td><td>0.000 MHz</td><td>Current</td><td>0.072 MHz</td><td>Average</td><td>0.000 MHz</td><td>Min</td><td>0.007 MHz</td><td>Max</td><td>0.007 MHz</td><td>StdDev</td><td>0.000 MHz</td></tr><tr><td>Total TX Power</td><td>22.88 dBm</td><td>Current</td><td>22.87 dBm</td><td>Average</td><td>22.87 dBm</td><td>Min</td><td>22.88 dBm</td><td>Max</td><td>22.88 dBm</td><td>StdDev</td><td>0.00 dBm</td></tr></table>	Detected Allocation		NoRB		50.0MHzRB		Average		Ext. times		StdDev		QBW	0.000 MHz	Current	0.072 MHz	Average	0.000 MHz	Min	0.007 MHz	Max	0.007 MHz	StdDev	0.000 MHz	Total TX Power	22.88 dBm	Current	22.87 dBm	Average	22.87 dBm	Min	22.88 dBm	Max	22.88 dBm	StdDev	0.00 dBm
Detected Allocation		NoRB		50.0MHzRB		Average		Ext. times		StdDev																											
QBW	0.000 MHz	Current	0.072 MHz	Average	0.000 MHz	Min	0.007 MHz	Max	0.007 MHz	StdDev	0.000 MHz																										
Total TX Power	22.88 dBm	Current	22.87 dBm	Average	22.87 dBm	Min	22.88 dBm	Max	22.88 dBm	StdDev	0.00 dBm																										
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0																																					

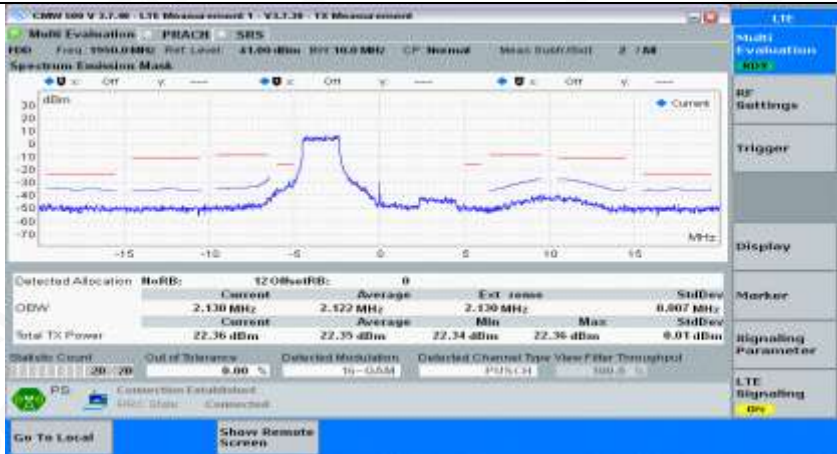
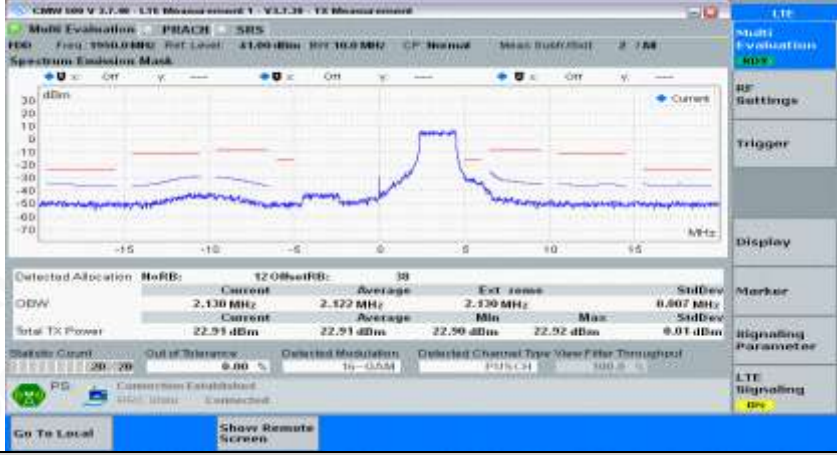
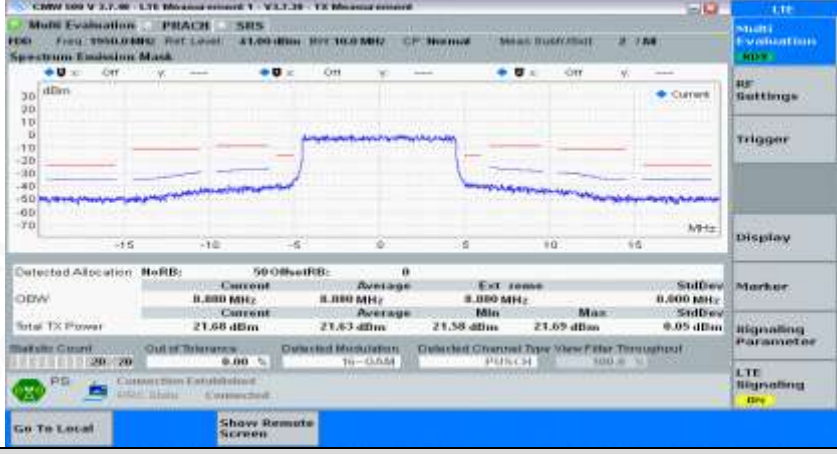


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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

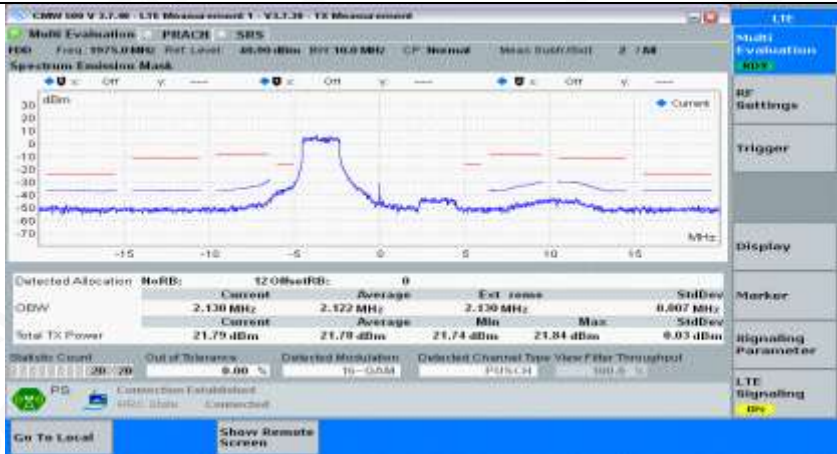
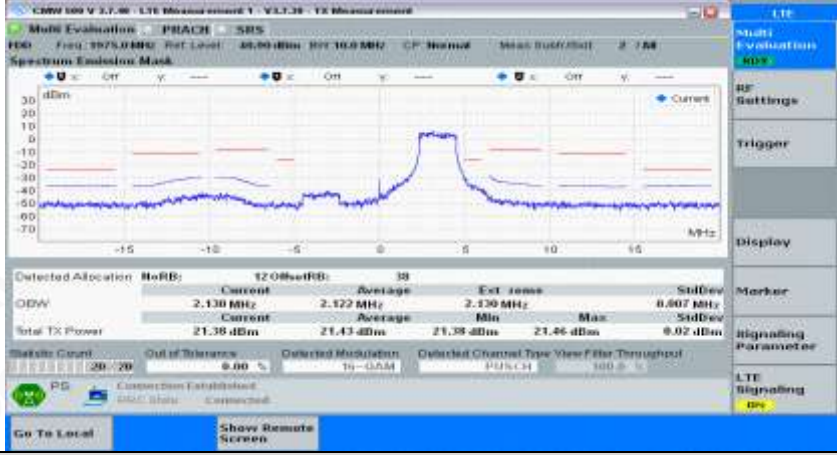
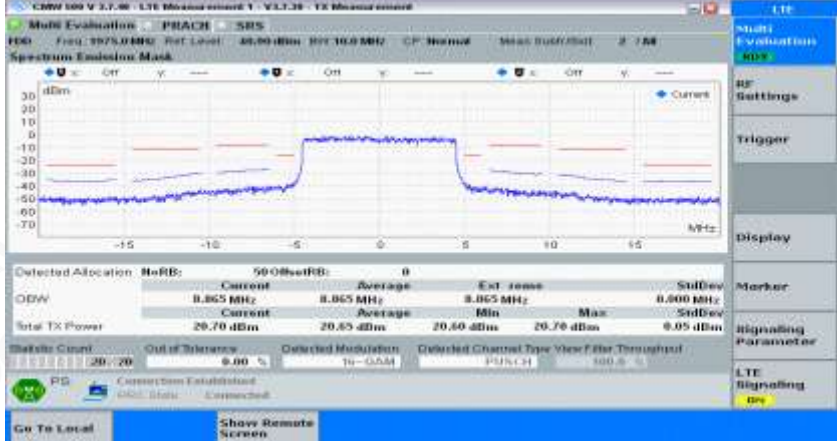
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	

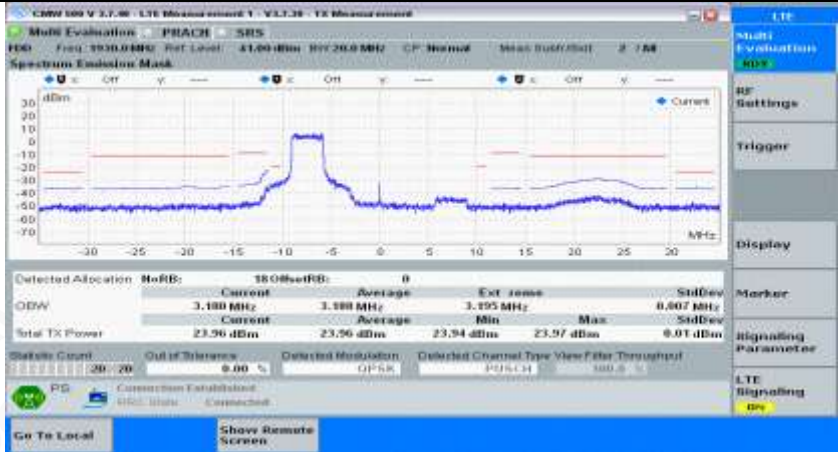
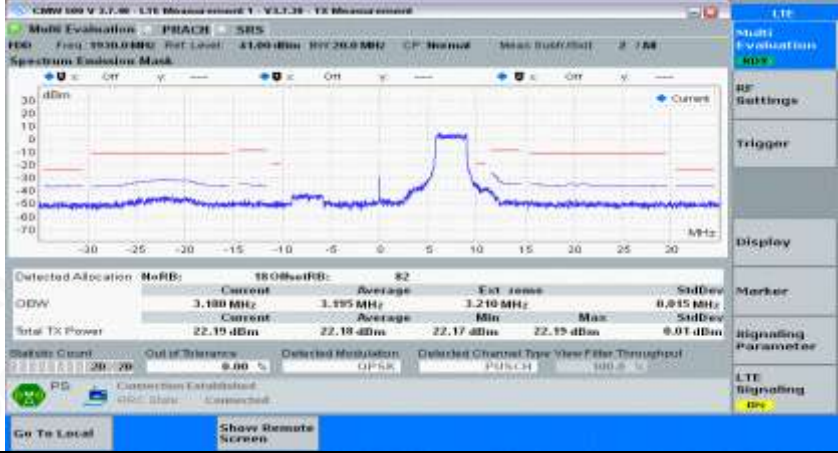
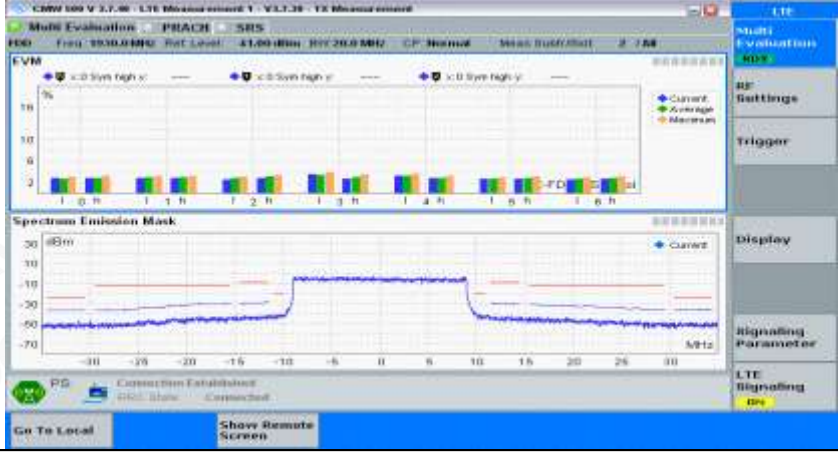


16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	
16QAM	

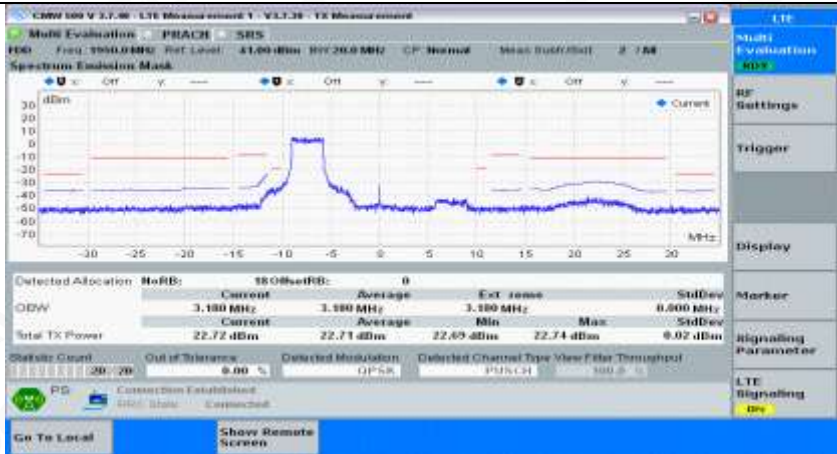
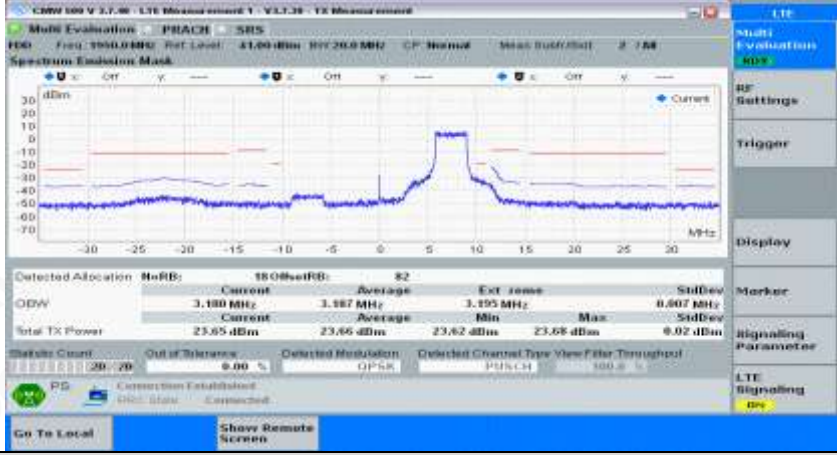
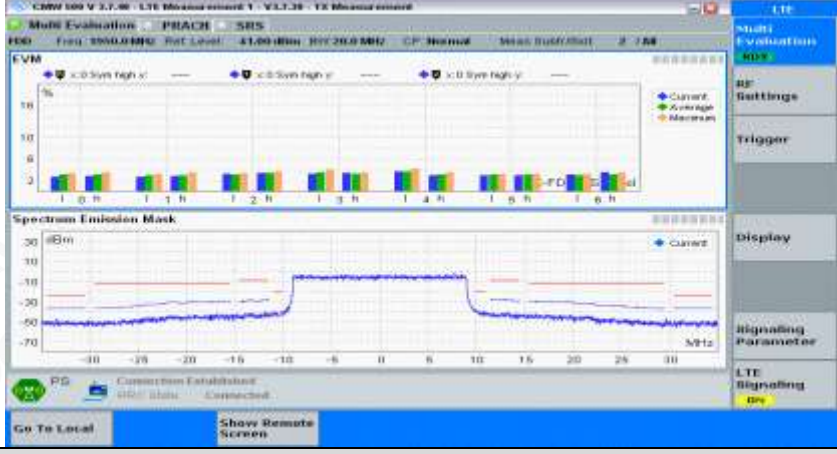
Channel Bandwidth=Highest (20 MHz)

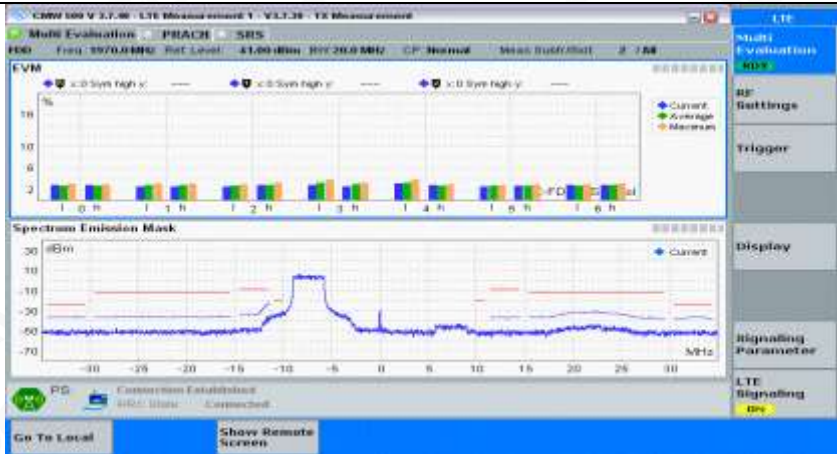
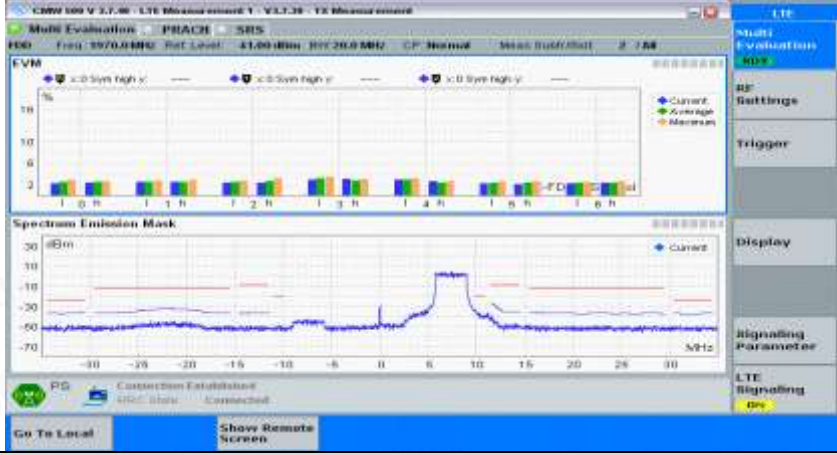
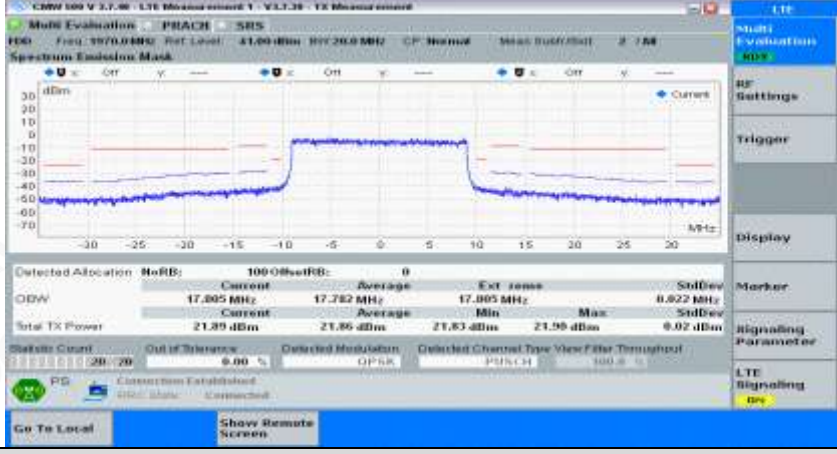
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0	
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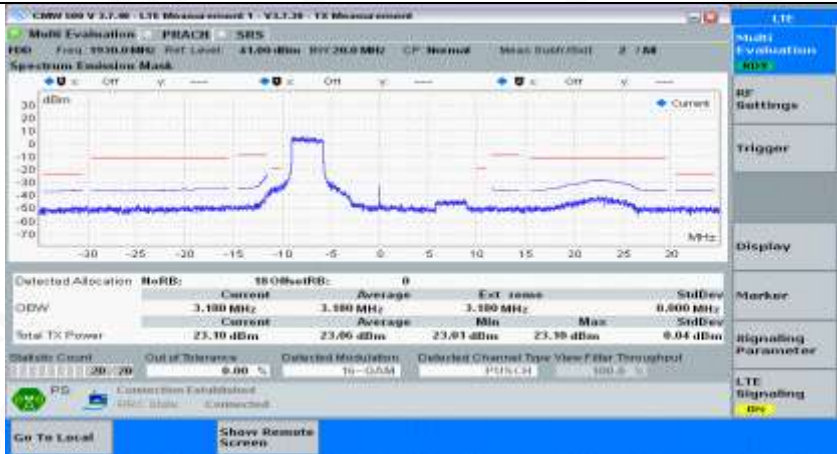
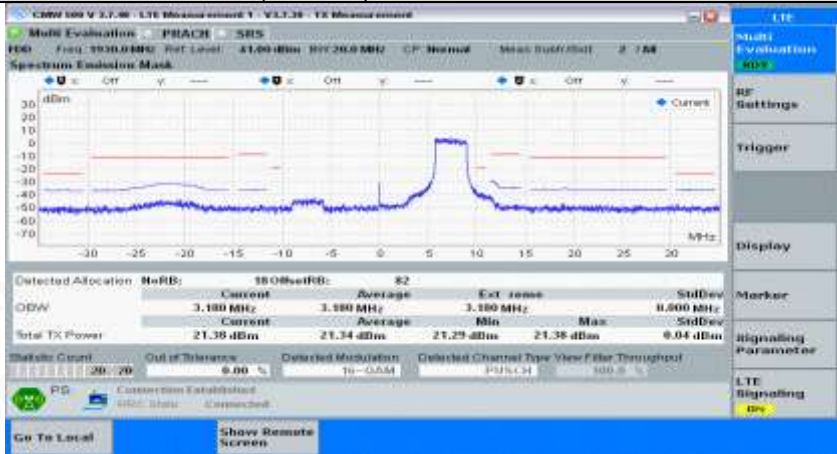
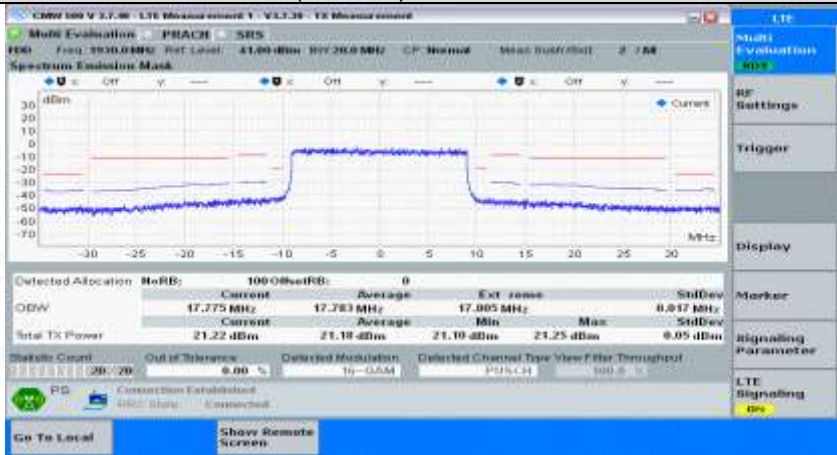
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	

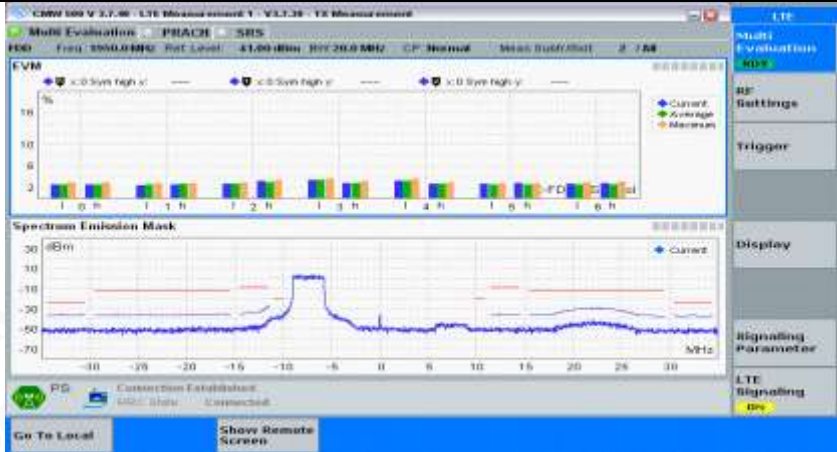
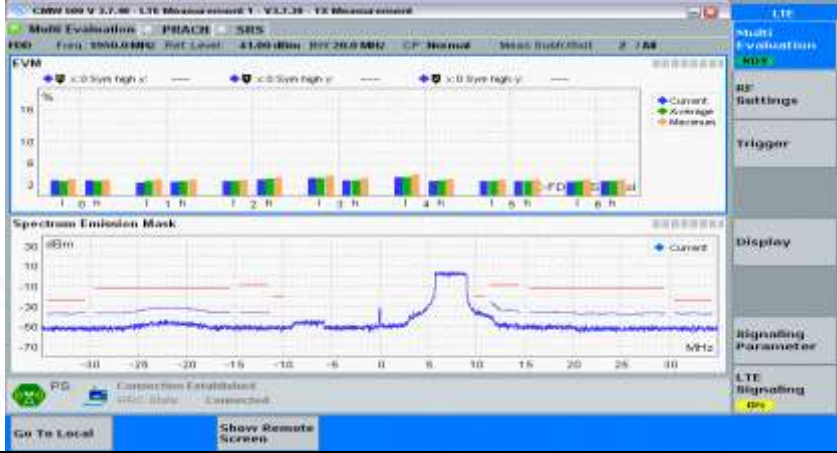
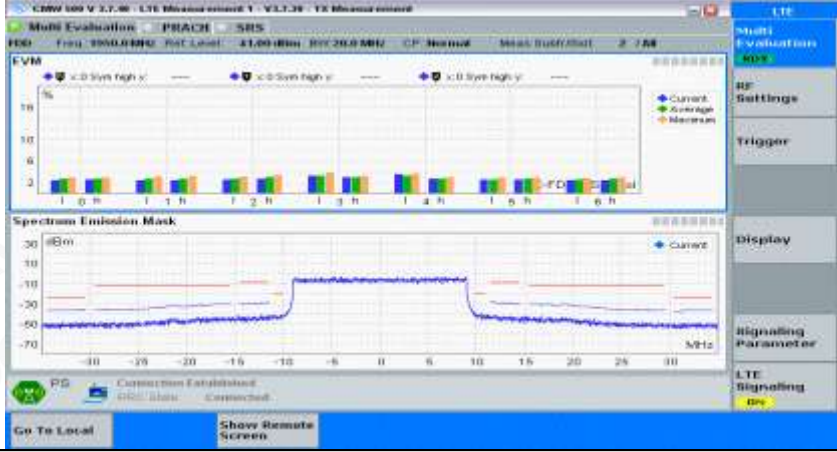


QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

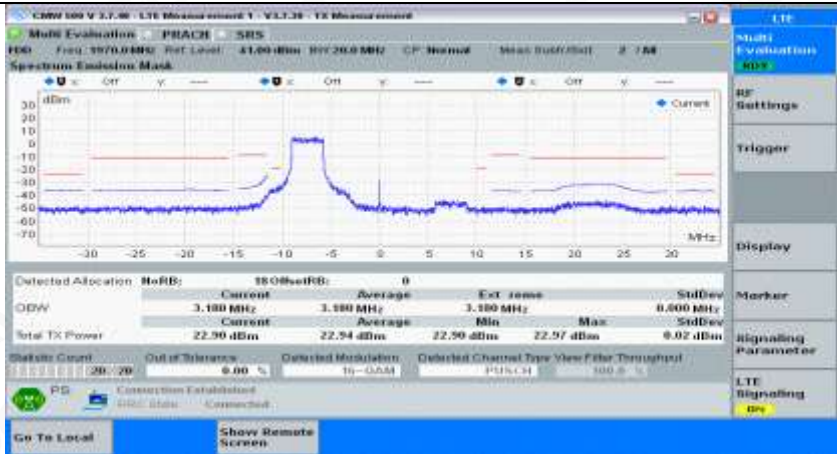
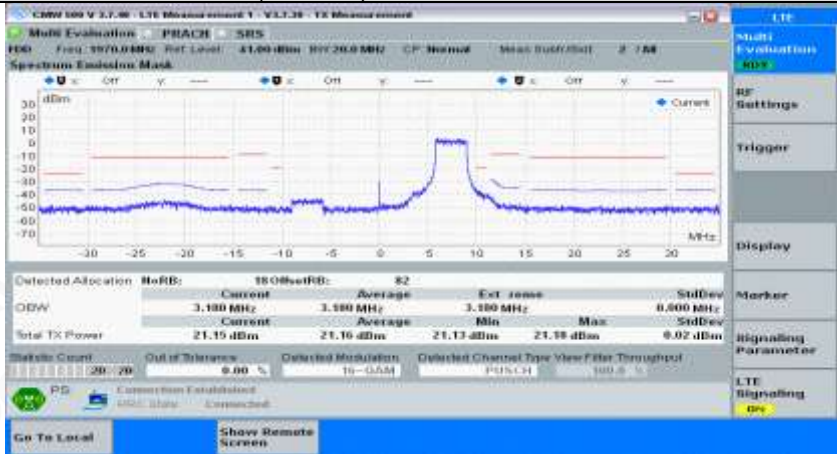
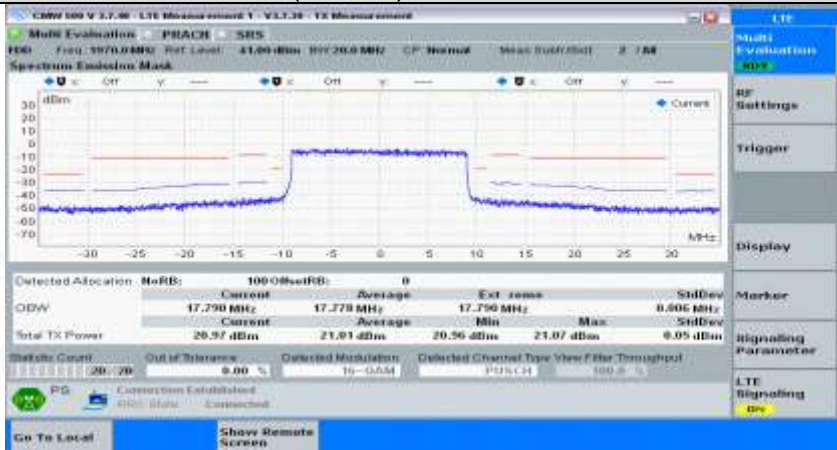
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0	
16QAM	

#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass





					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



### Test Graphs

NTNV

### Channel Bandwidth=Lowest (5 MHz)




Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0
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QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0</p>


QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	






QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	



16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullIRB#0</p>
16QAM	

Channel Bandwidth= (10 MHz)

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0



QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0</p>



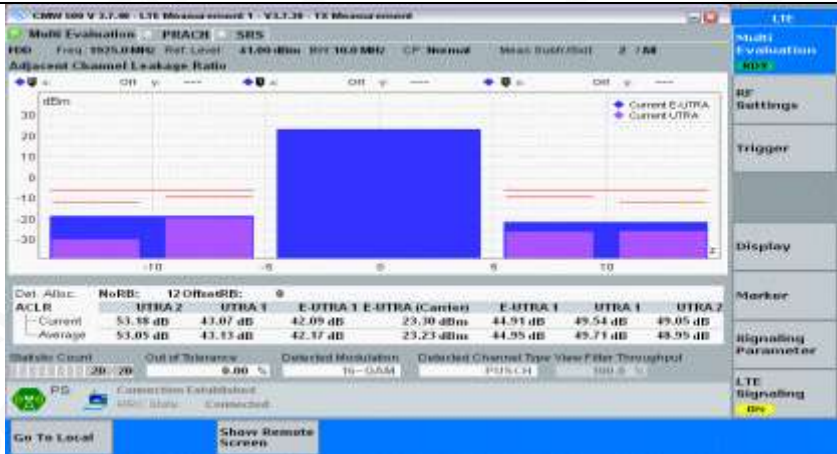

QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>





Channel Bandwidth=Lowest (10 MHz) QPSK HCH PartialRB#max

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_HCH\_FullRB#0




Channel Bandwidth=Lowest (10 MHz)\_16QAM\_LCH\_PartialRB#0

16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>






16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullIRB#0</p>

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0
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QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>






QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>






QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0	



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0</p>
16QAM	

## 5. Transmitter Spurious Emissions

### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass




### Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_1RB#0

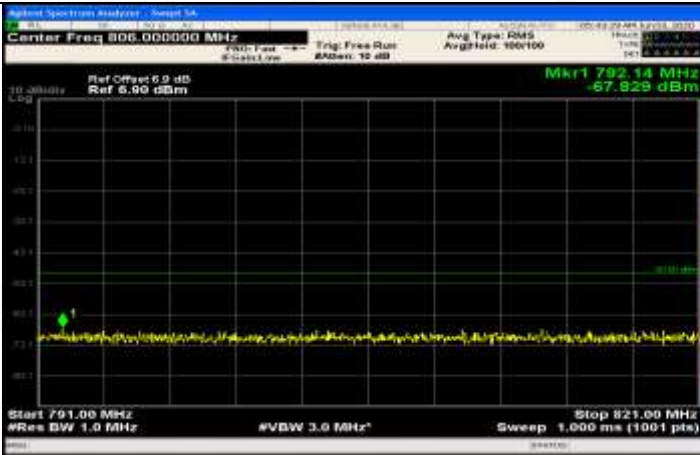
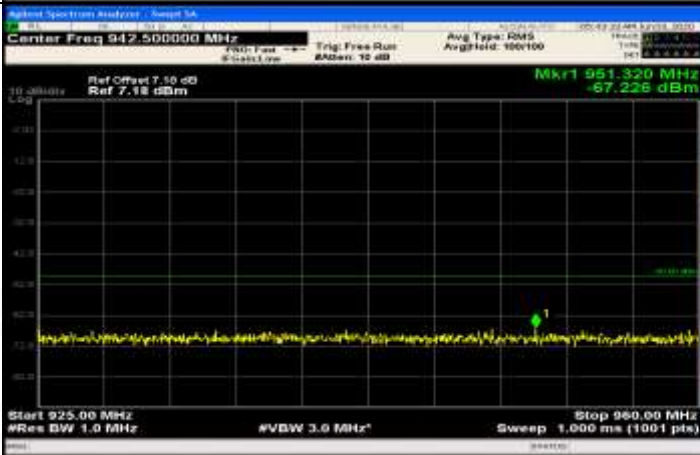
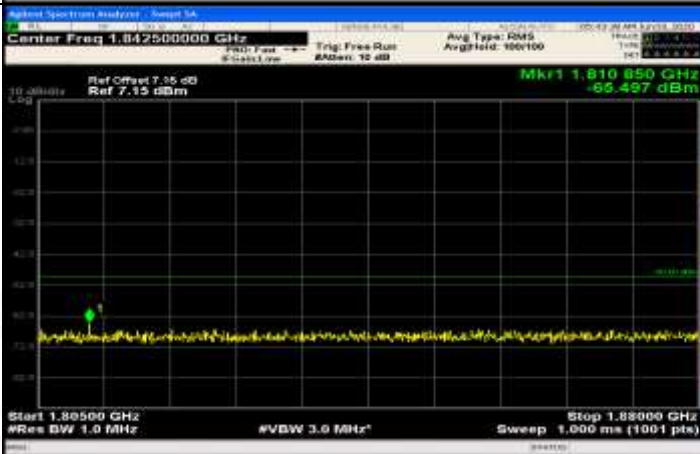


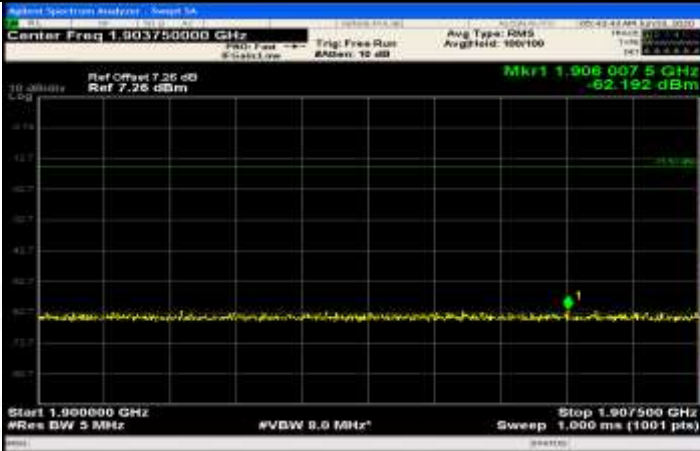
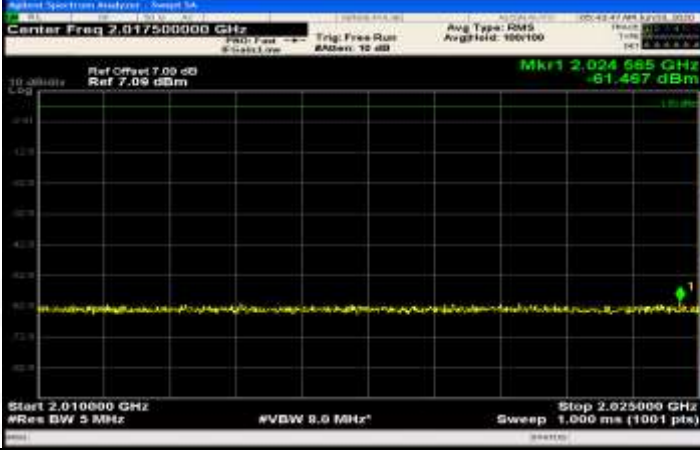

General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>



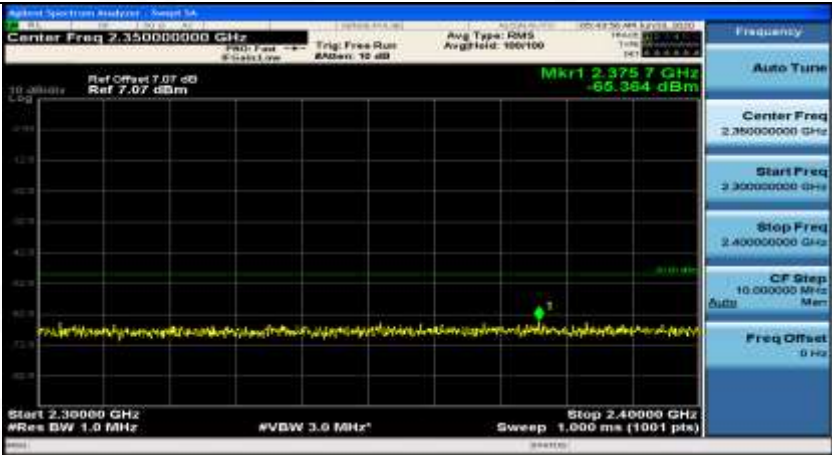

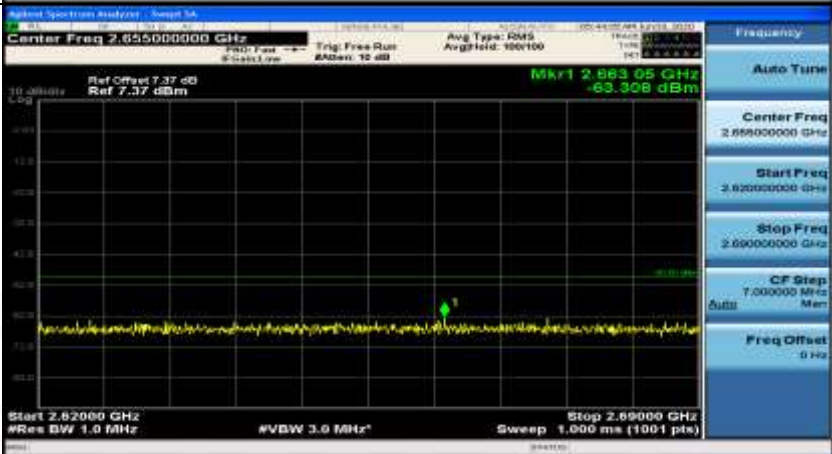
General	
General	
General	

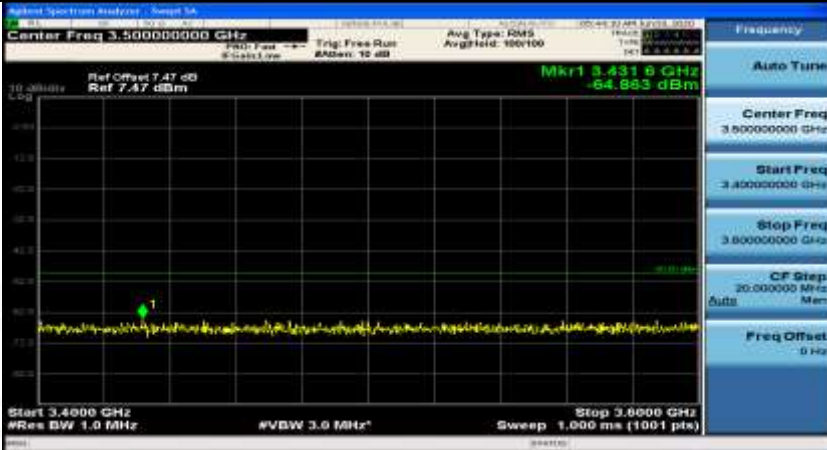
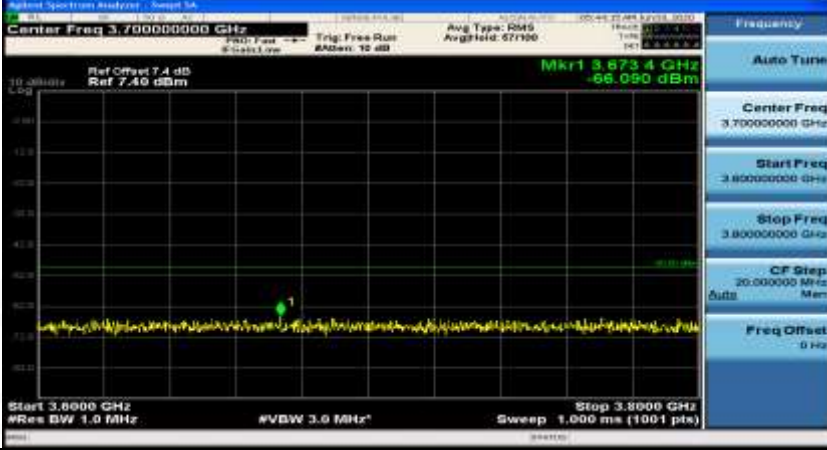



Co-existence	
Co-existence	
Co-existence	


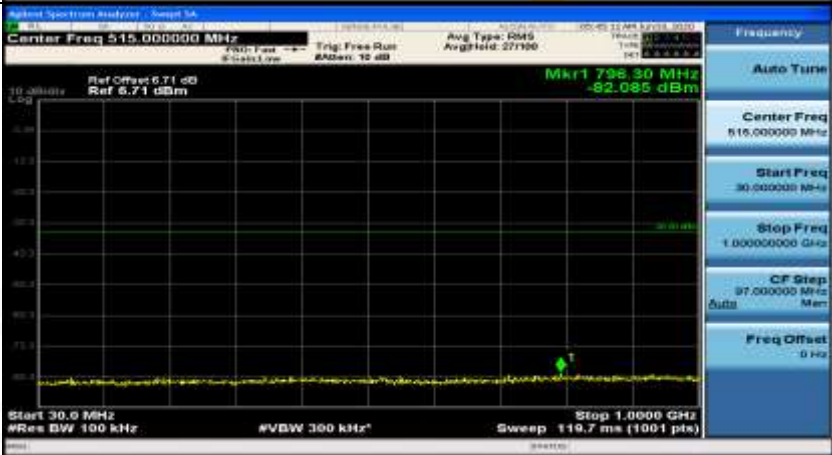
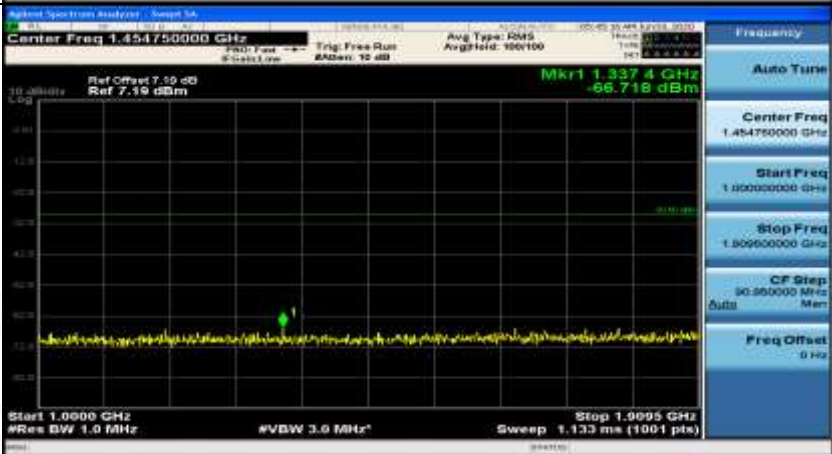
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.903750000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.907500000 GHz</p> <p>CF Step 750.000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>



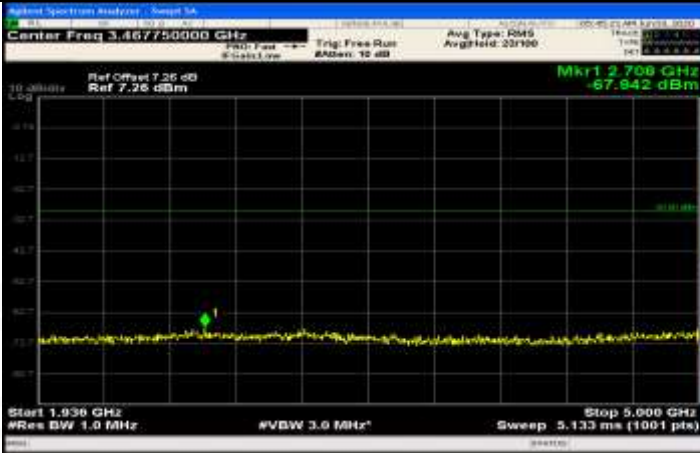


Co-existence	
Co-existence	
Co-existence	

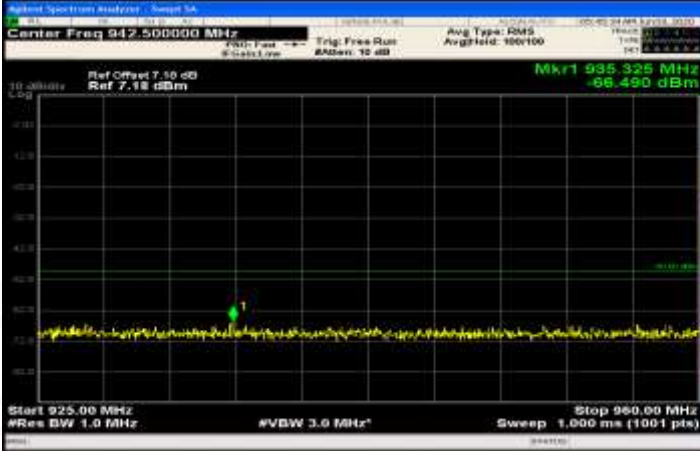
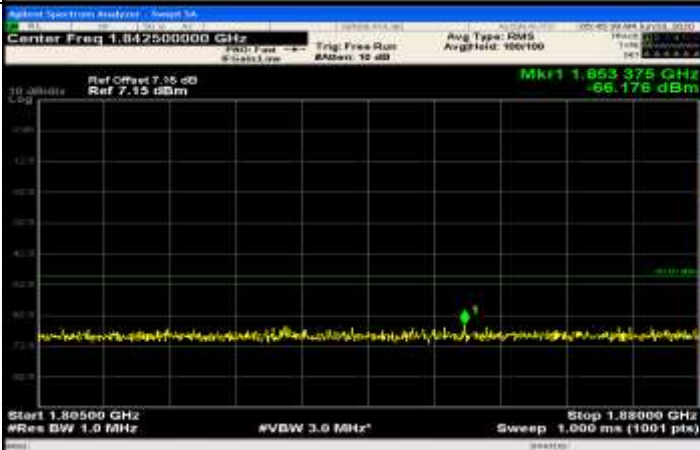
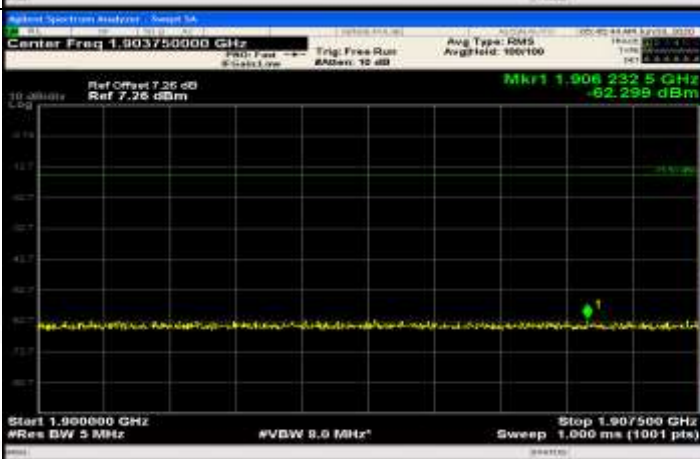
Co-existence	
Co-existence	
Additional	NA

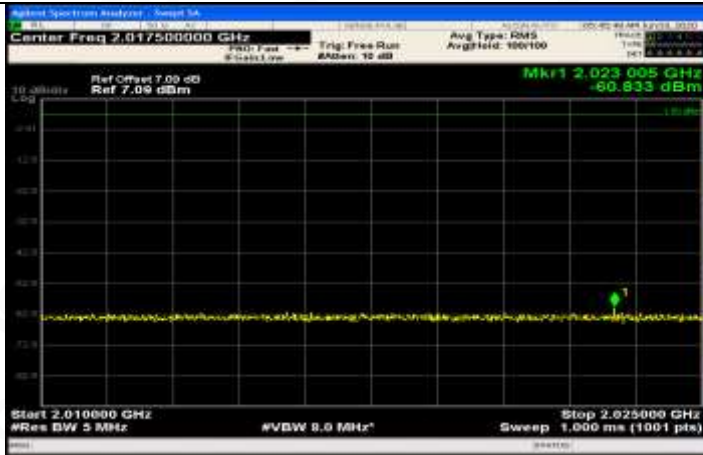
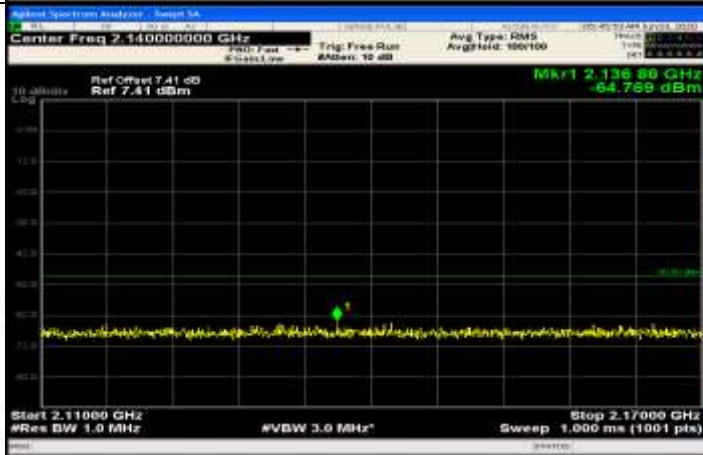
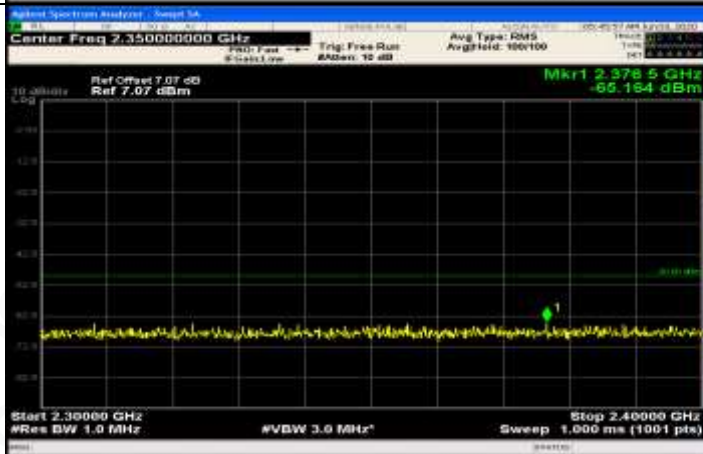
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -44.392 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 8.71 dBm Mkr1 798.30 MHz -82.085 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.454750000 GHz Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 1.3374 GHz -66.718 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.9095 GHz Sweep 1.133 ms (1001 pts)</p>

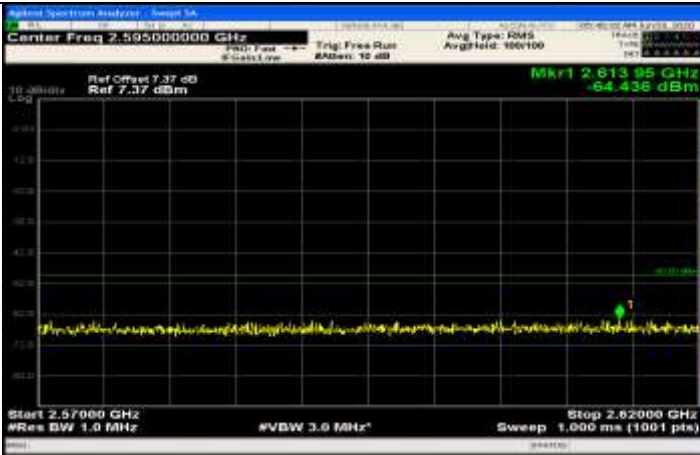
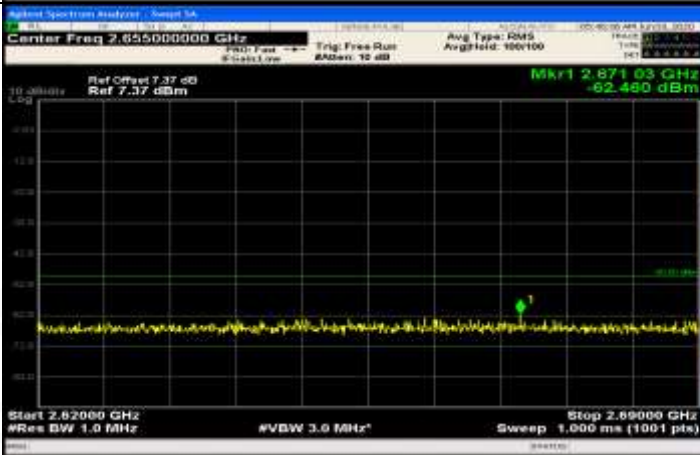
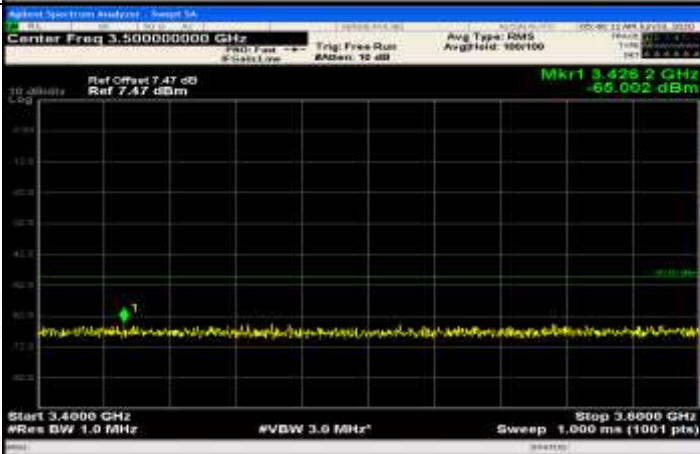


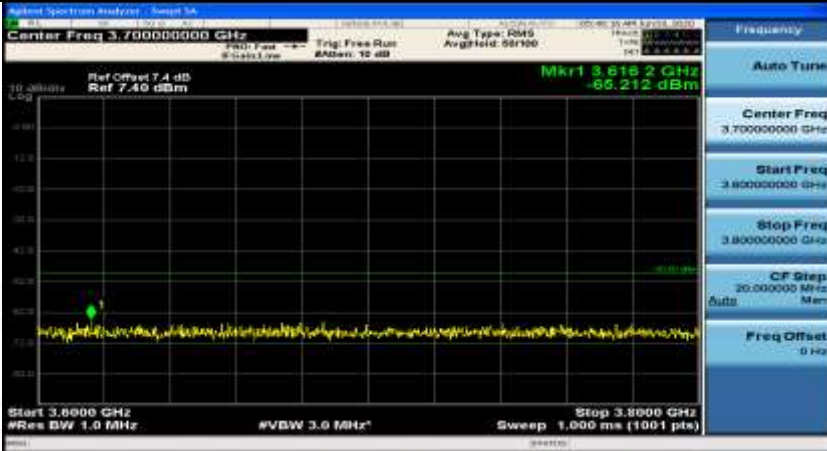
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>



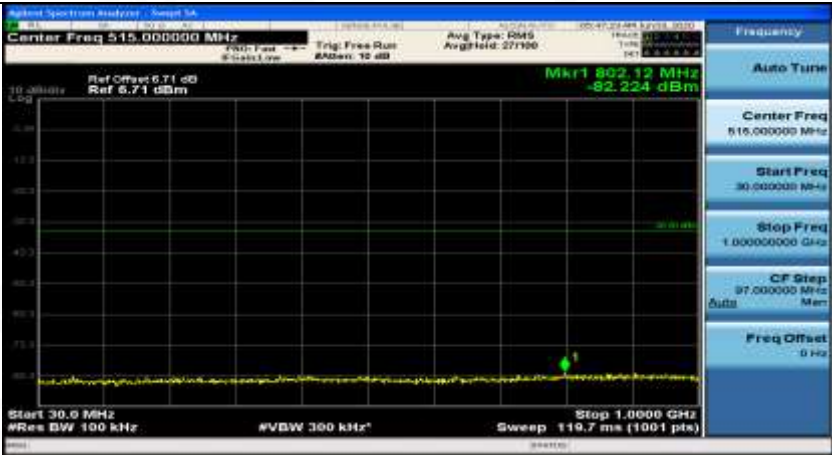


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.450000000 GHz</p> <p>Stop Freq 3.550000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Additional	NA


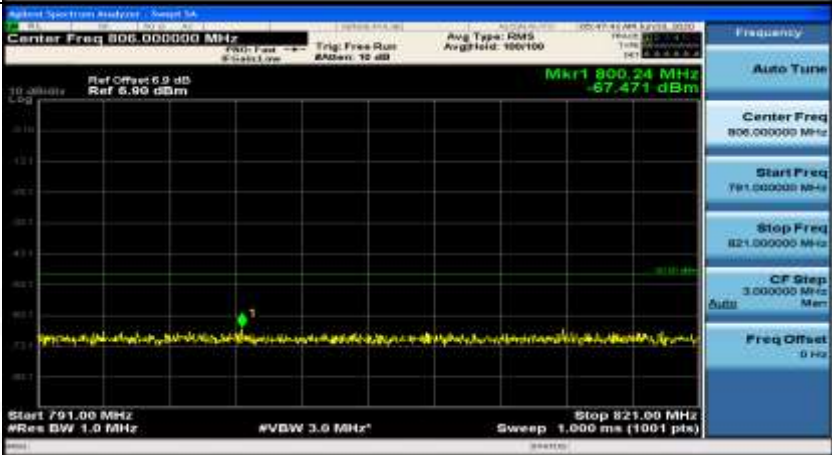
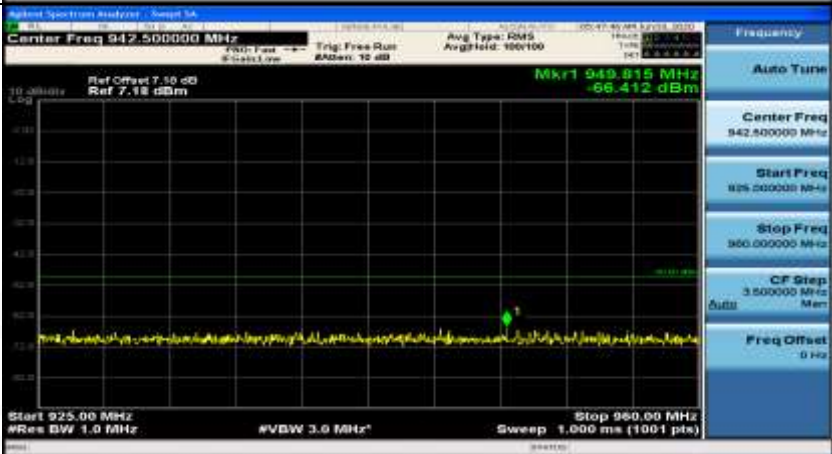
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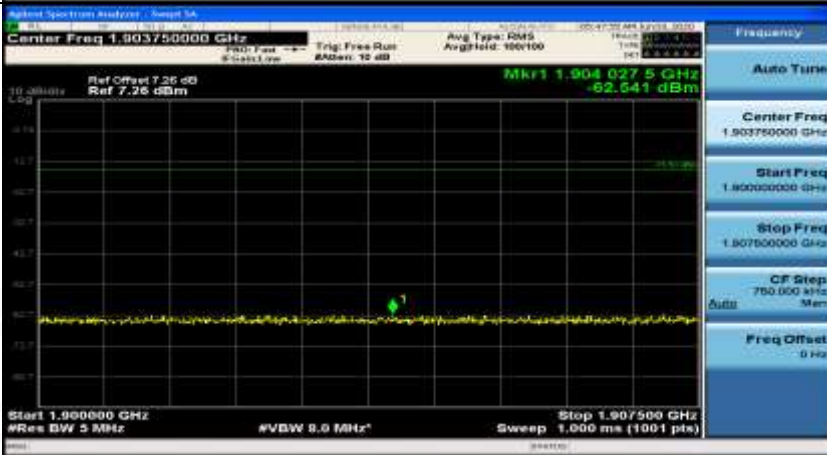

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General	

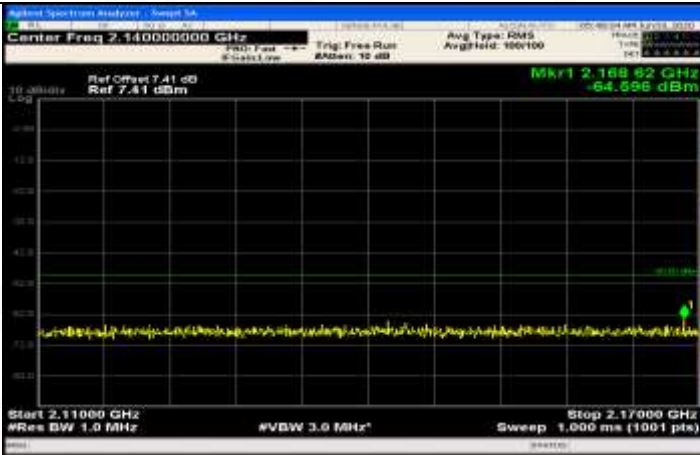
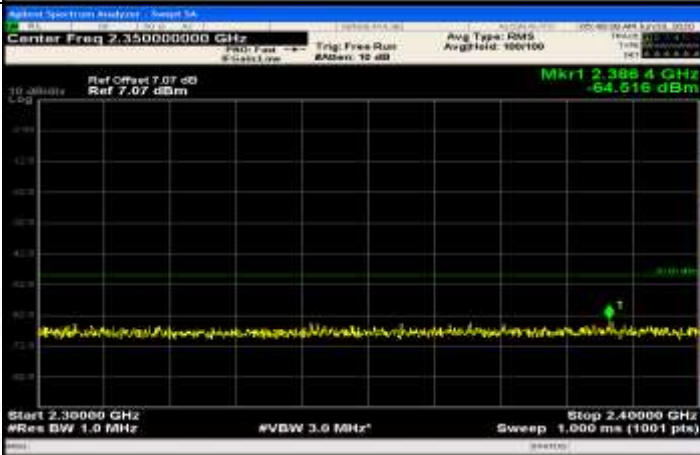
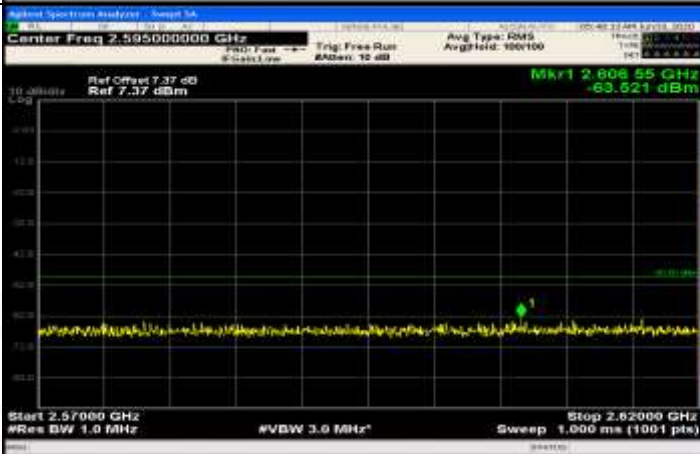


General	
General	
General	

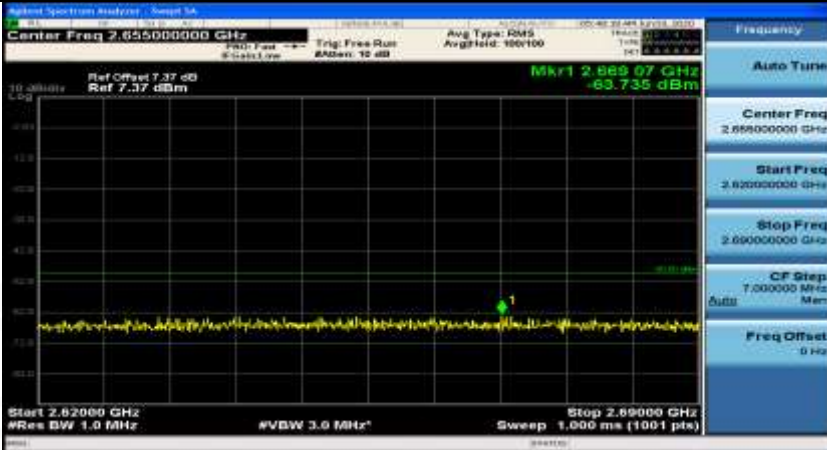
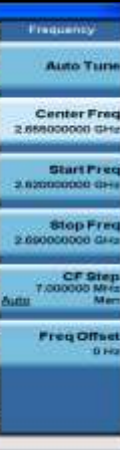
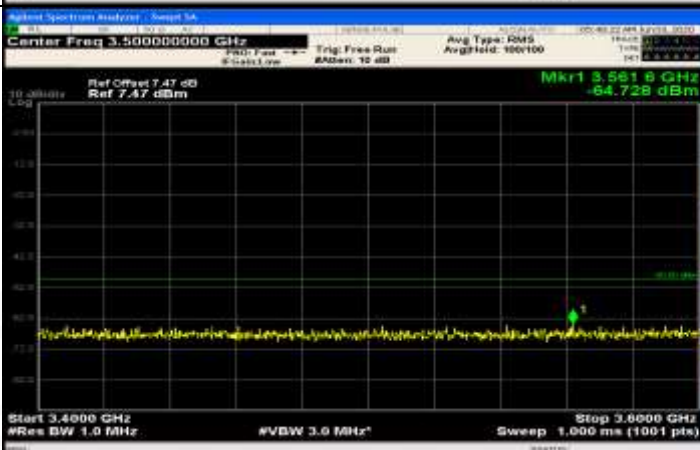
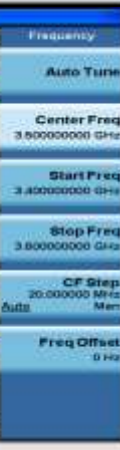
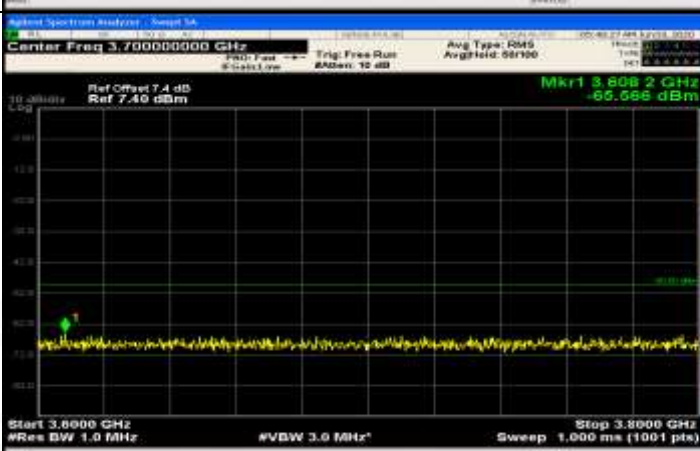



General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

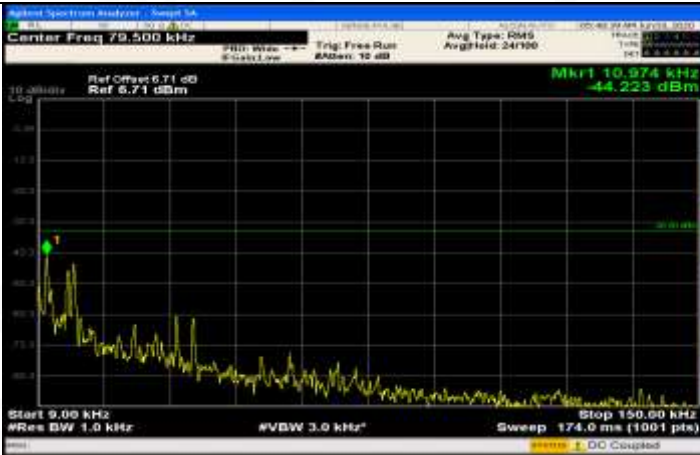

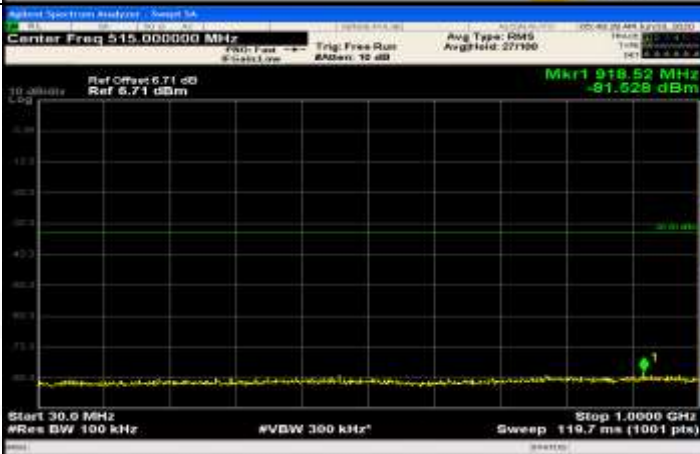
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Co-existence	

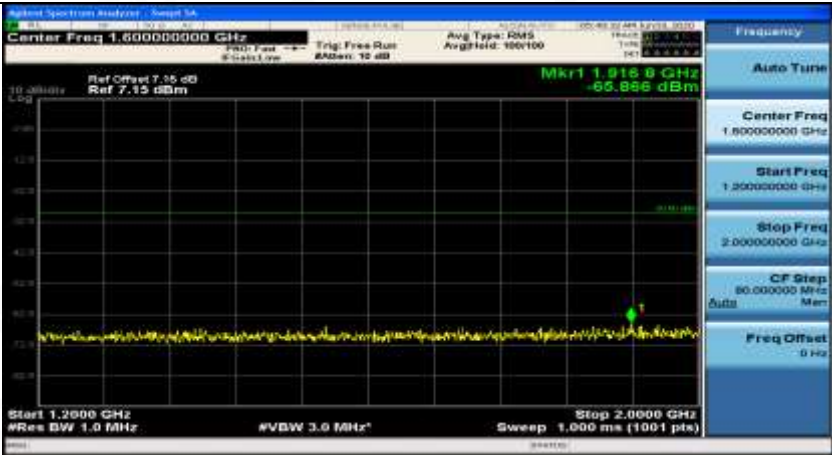




Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#0

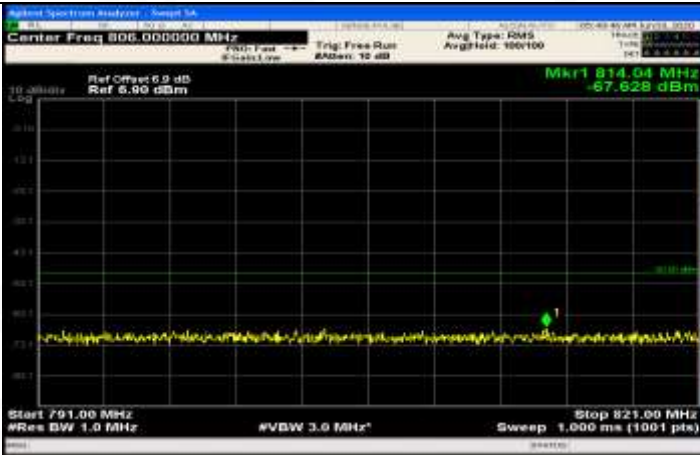
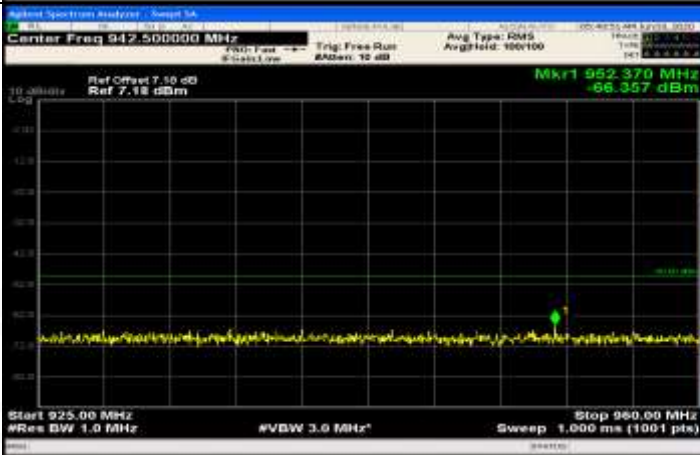
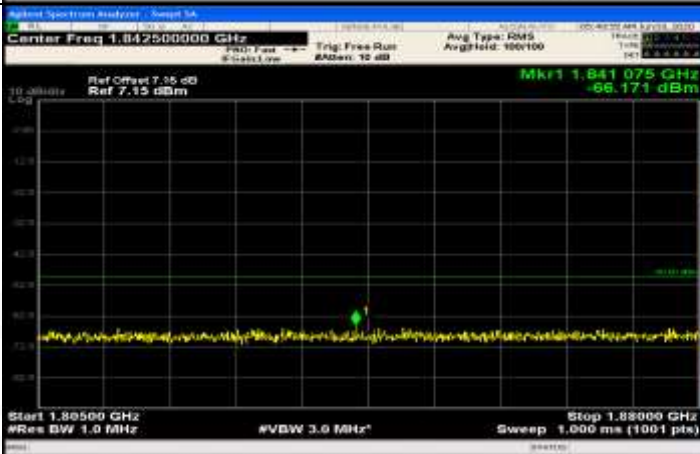


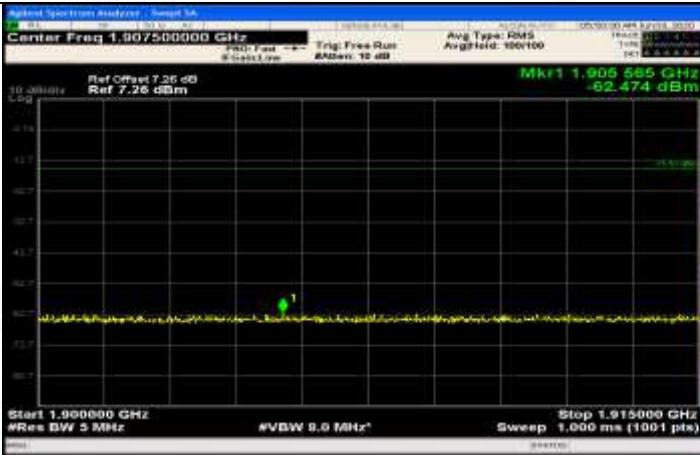
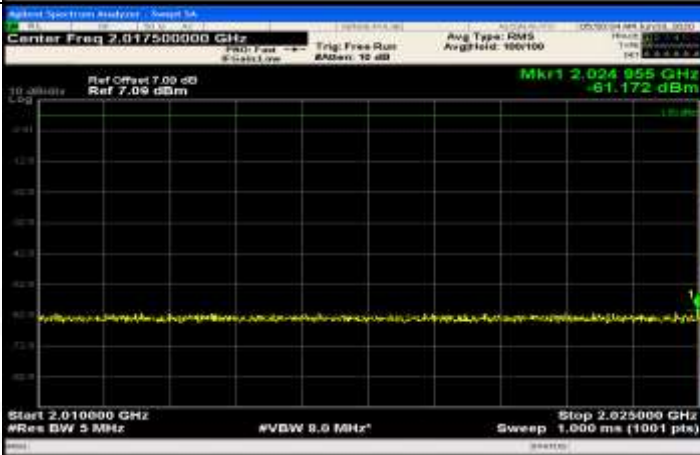
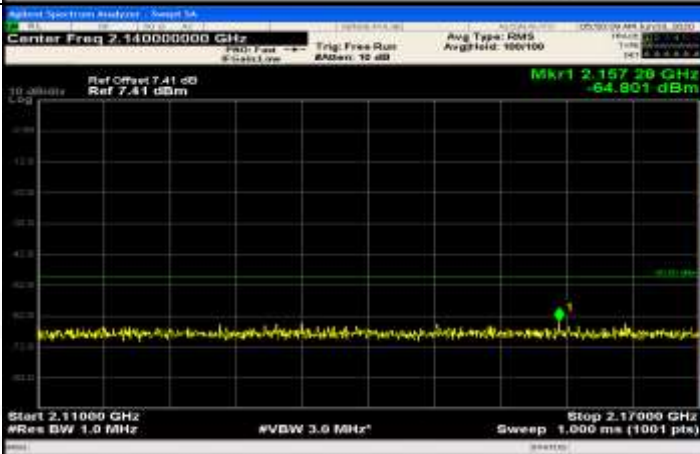
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General	
General	

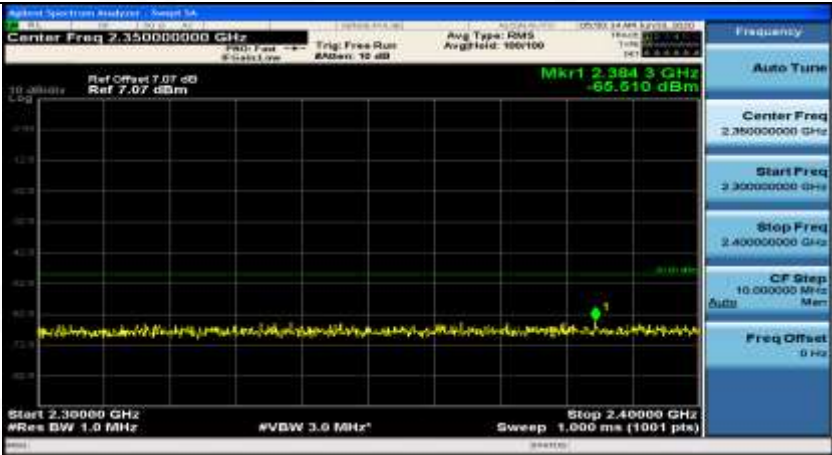
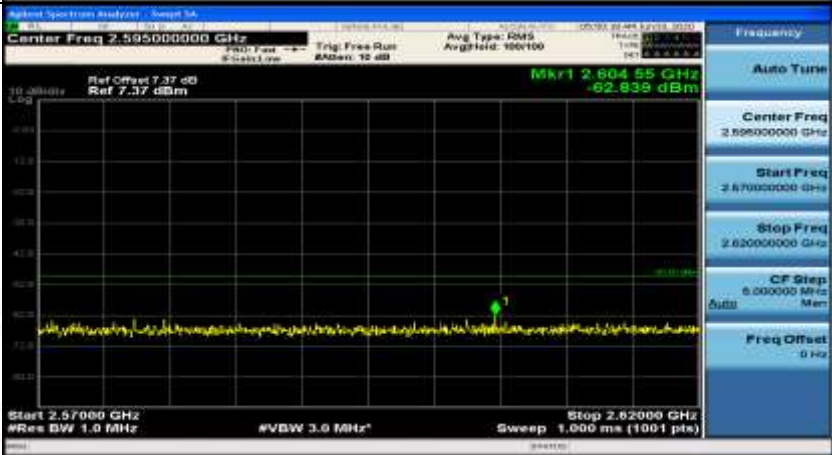
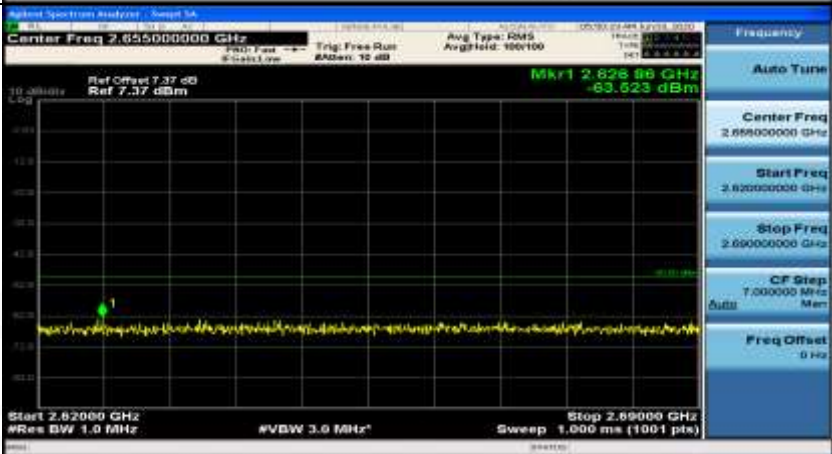
General	
General	
General	



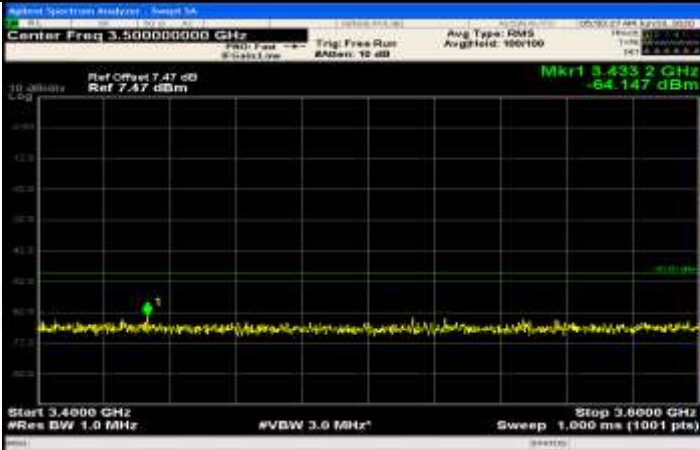

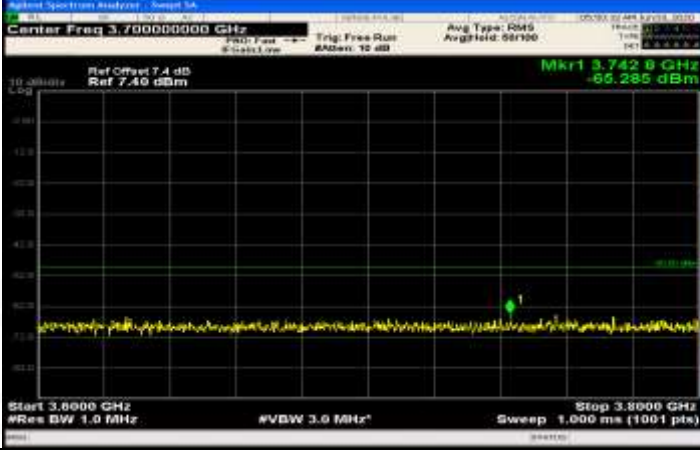




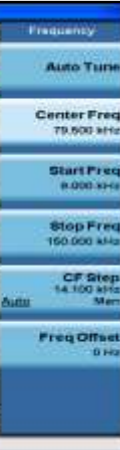
Co-existence	
Co-existence	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.907500000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.915000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>



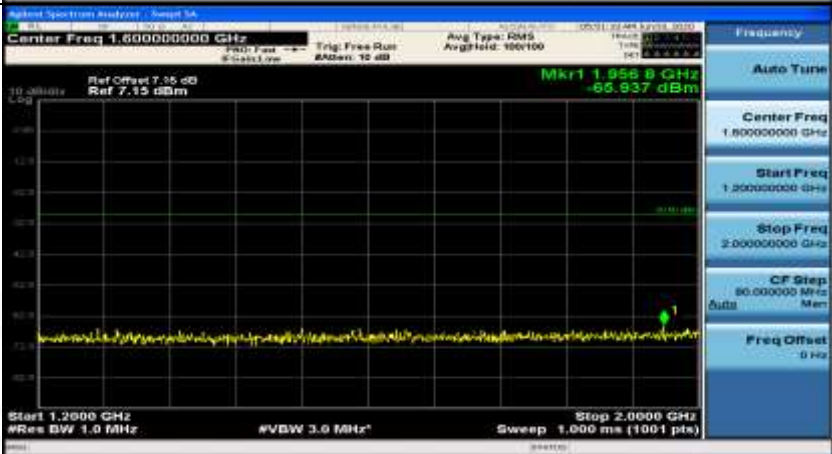
Co-existence	
Co-existence	
Co-existence	

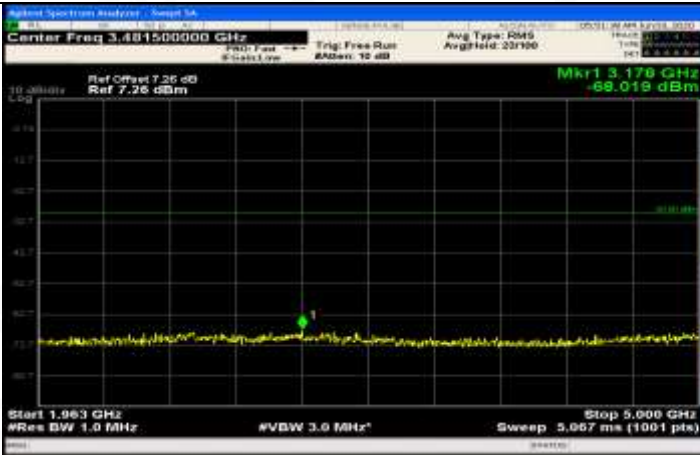

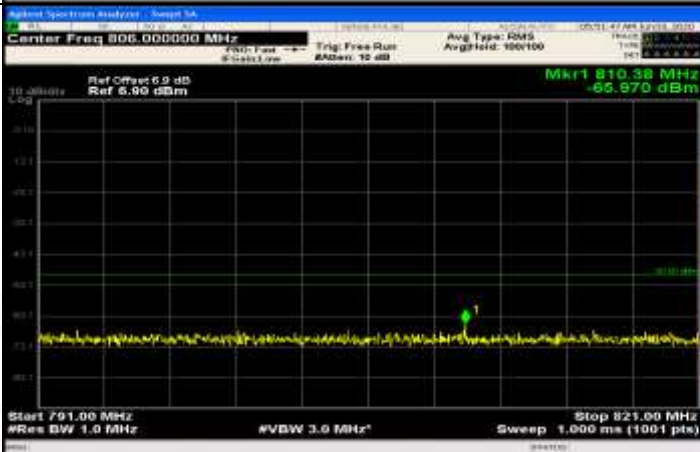


Co-existence		
Co-existence		
Additional	NA	

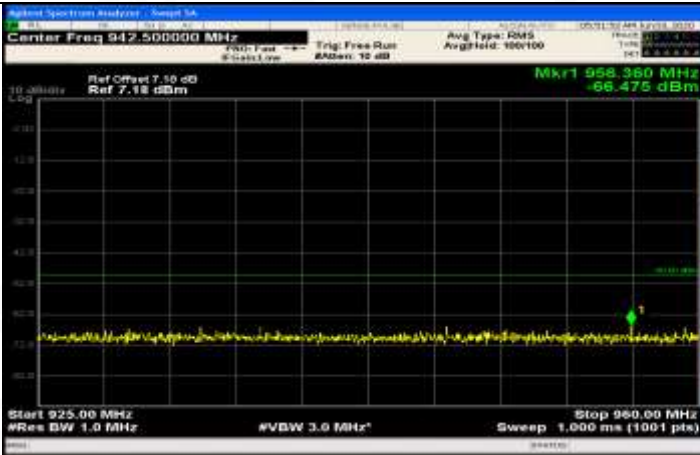
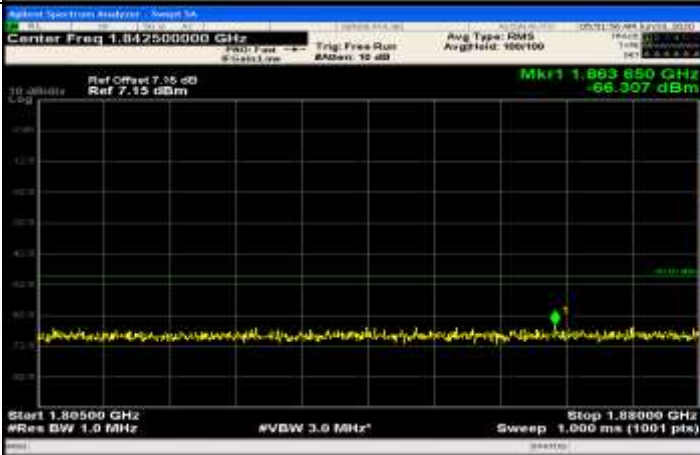
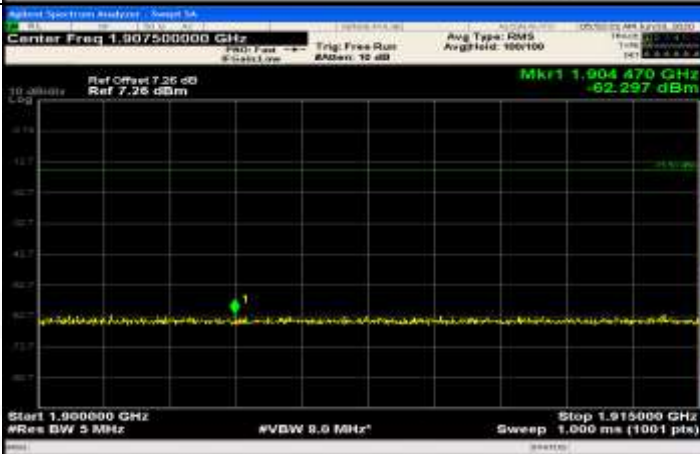
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General		

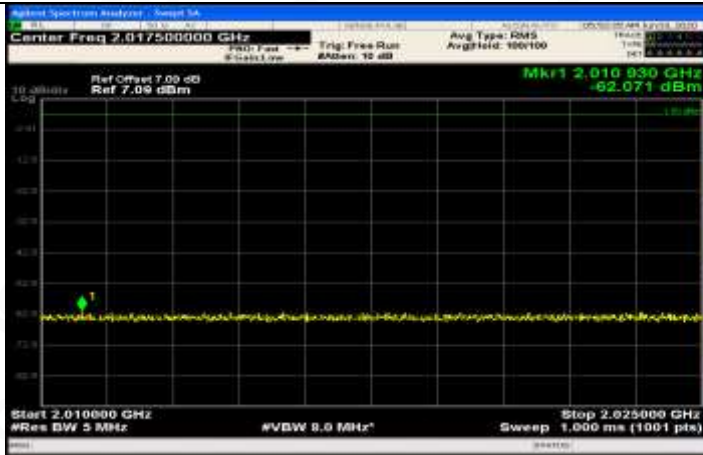
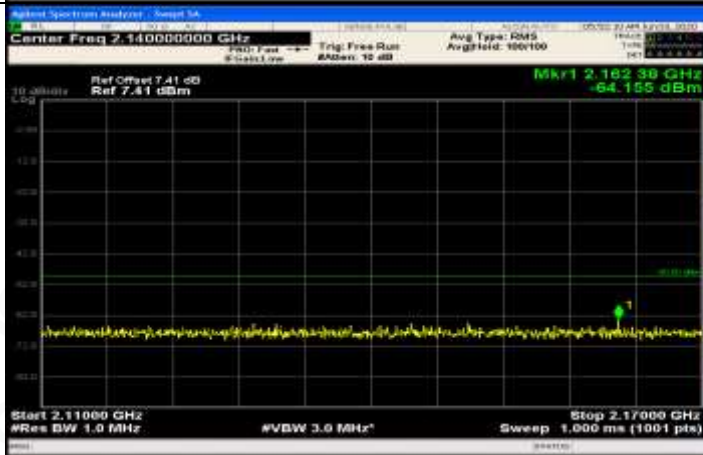
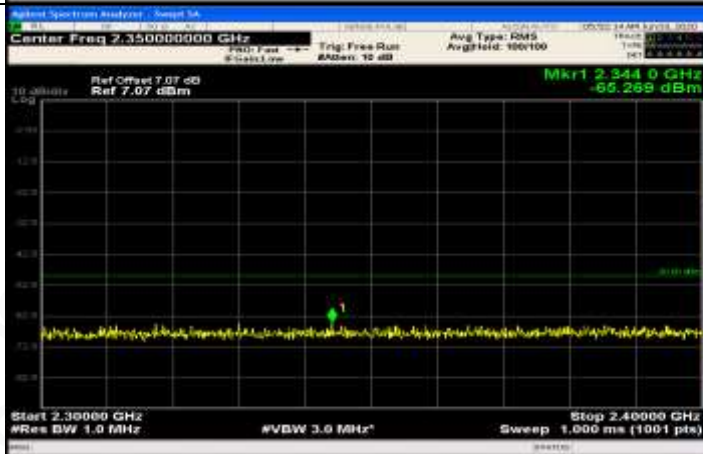


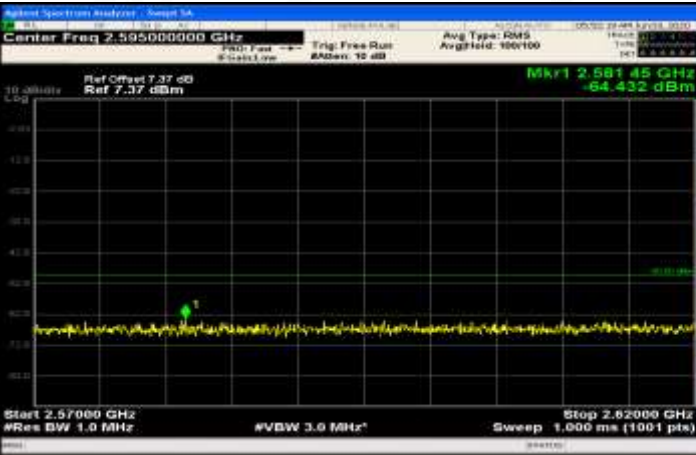
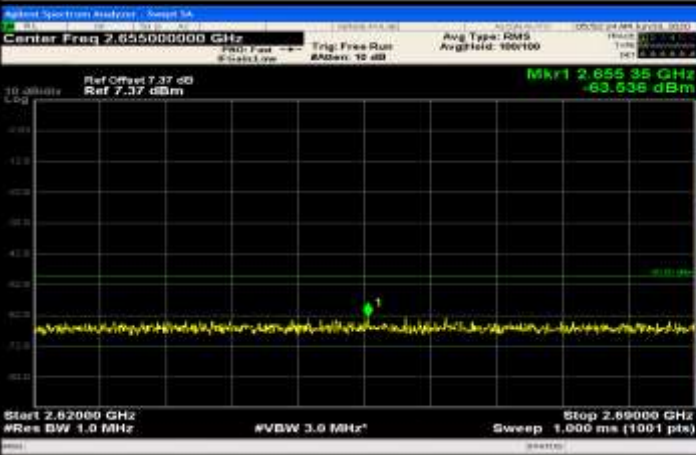
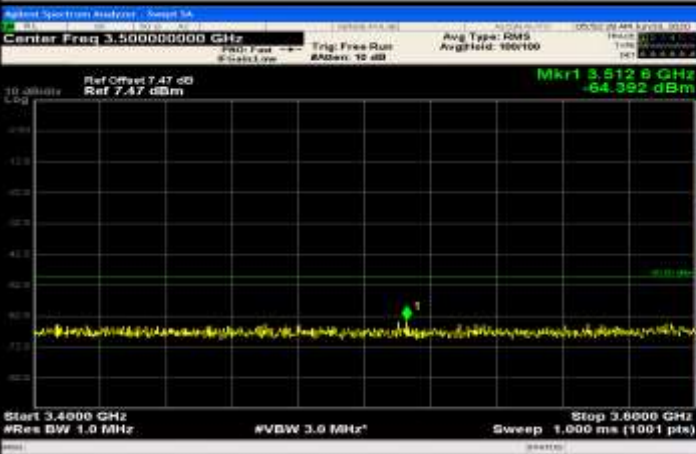
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -46.907 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts) Auto Tune Center Freq 15.075000 MHz Start Freq 150.000 kHz Stop Freq 30.000000 MHz CF Step 2.500000 MHz Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 827.34 MHz -81.686 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts) Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.00000000 GHz CF Step 97.000000 MHz Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.60000000 GHz Ref Offset 7.35 dB Ref 7.15 dBm Mkr1 1.956 GHz -66.937 dBm Start 1.2000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.0000 GHz Sweep 1.000 ms (1001 pts) Auto Tune Center Freq 1.60000000 GHz Start Freq 1.20000000 GHz Stop Freq 2.00000000 GHz CF Step 80.000000 MHz Freq Offset 0 Hz</p>

General	
General	
Co-existence	

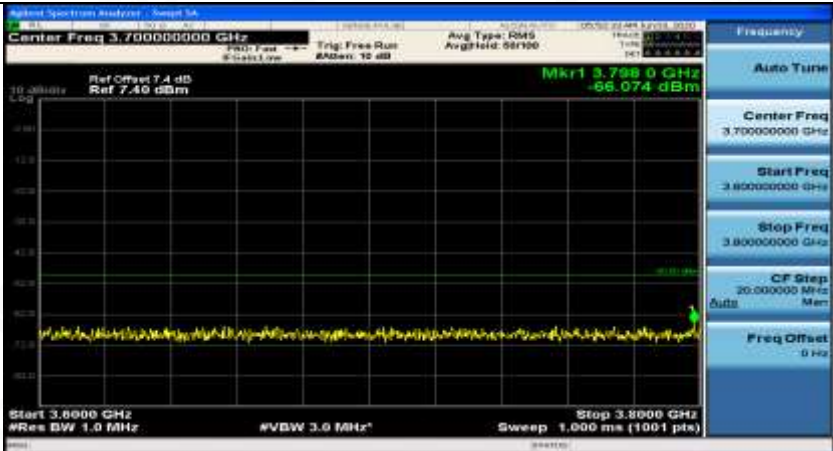


Co-existence	
Co-existence	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.58500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.60000000 GHz</p> <p>CF Step 5.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.45000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

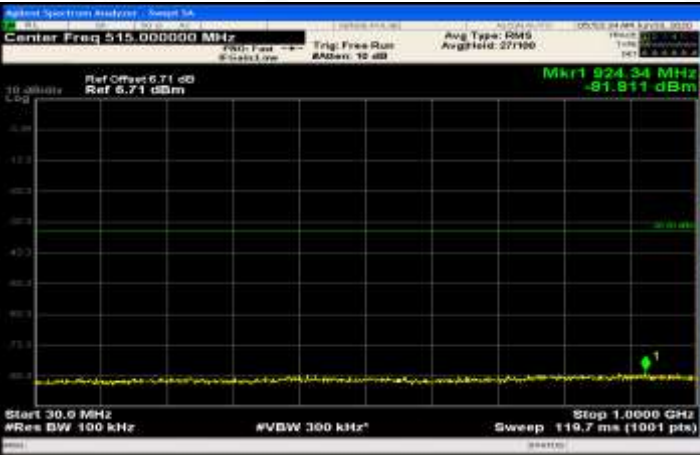
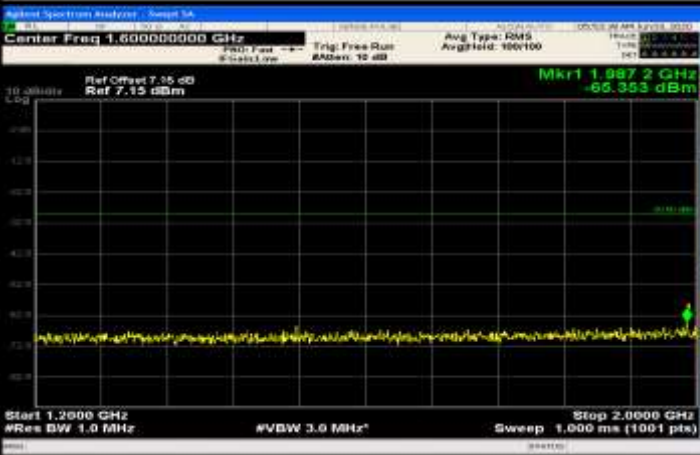




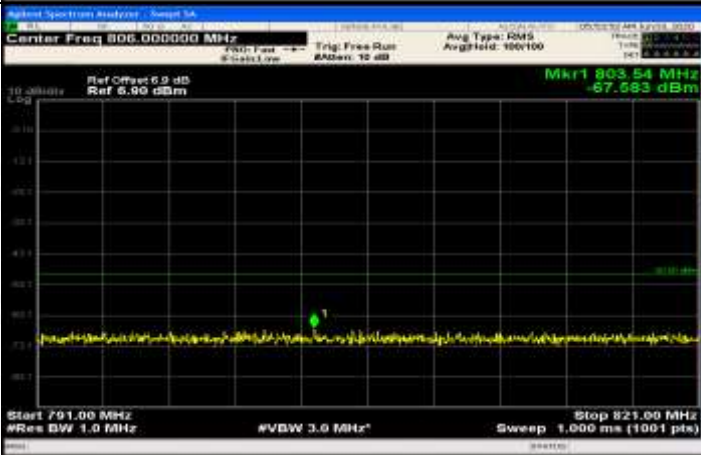
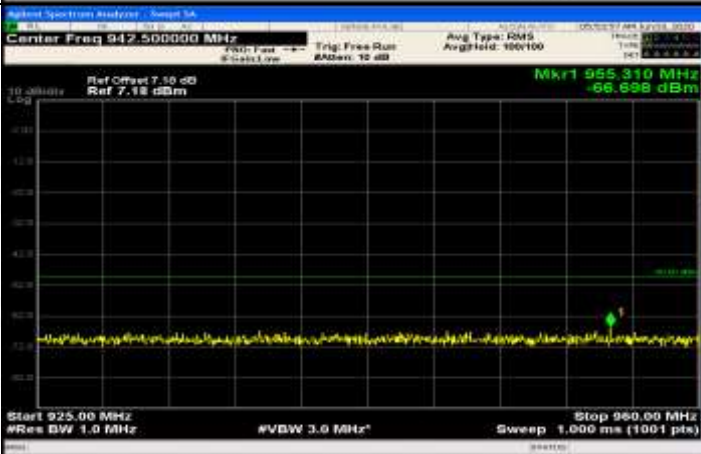
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_FullIRB#0

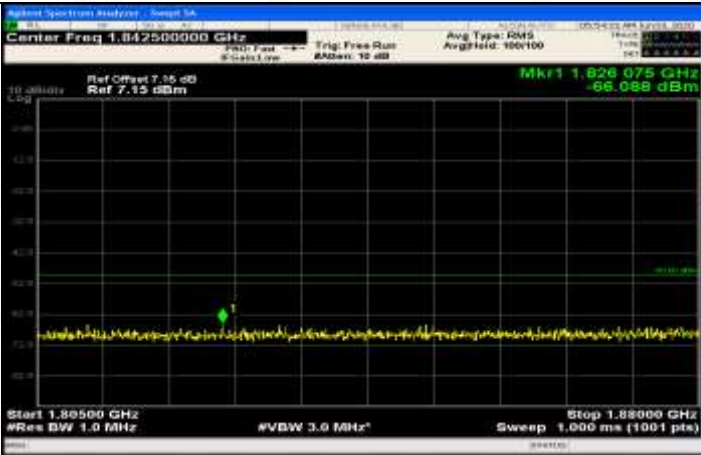
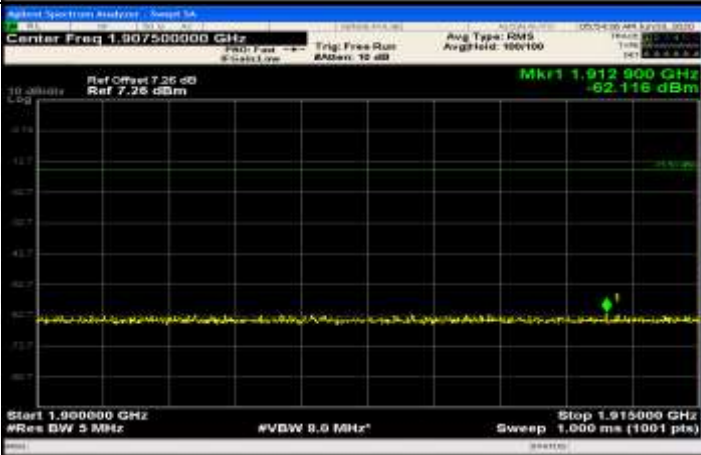
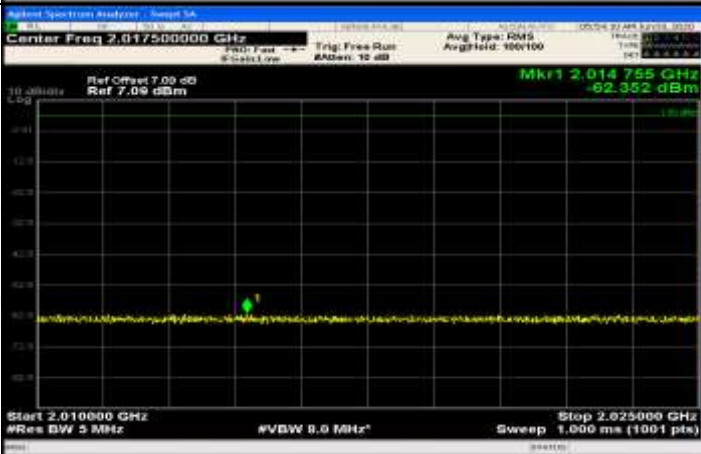
General	
General	

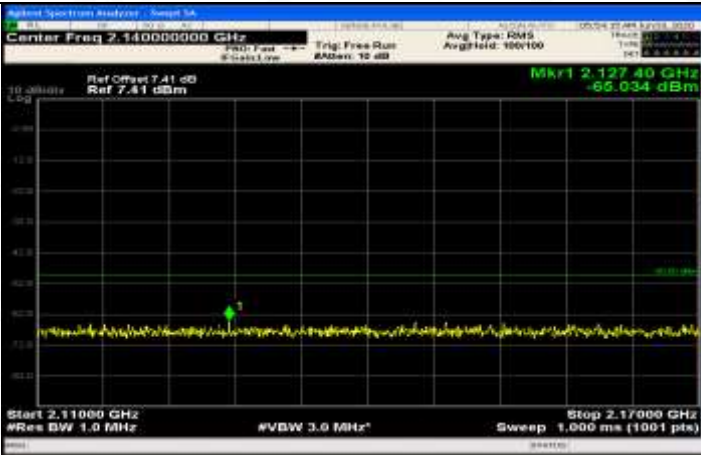
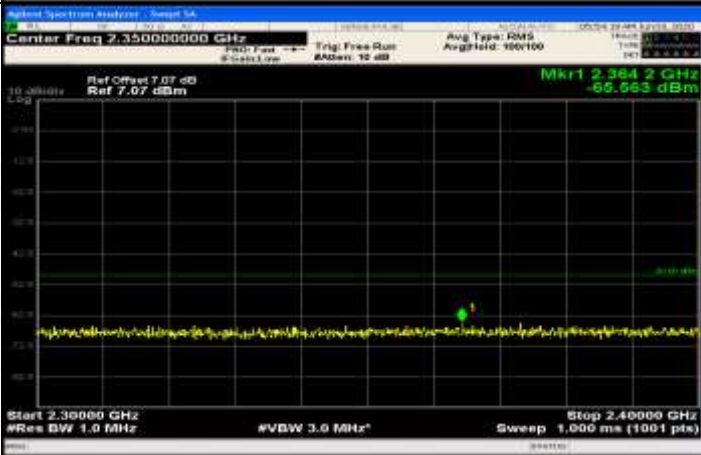
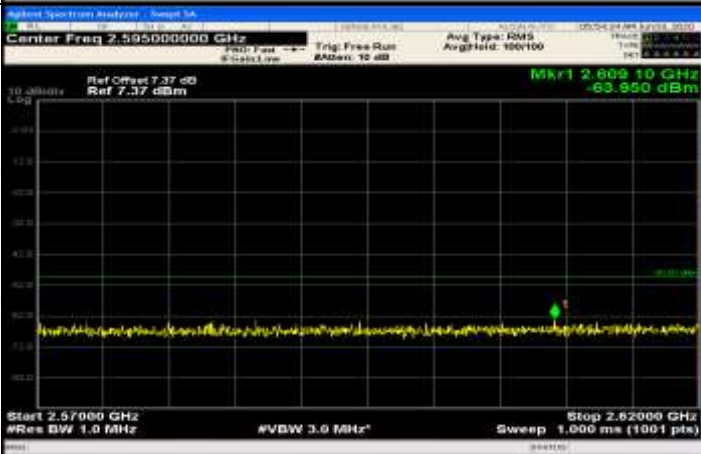


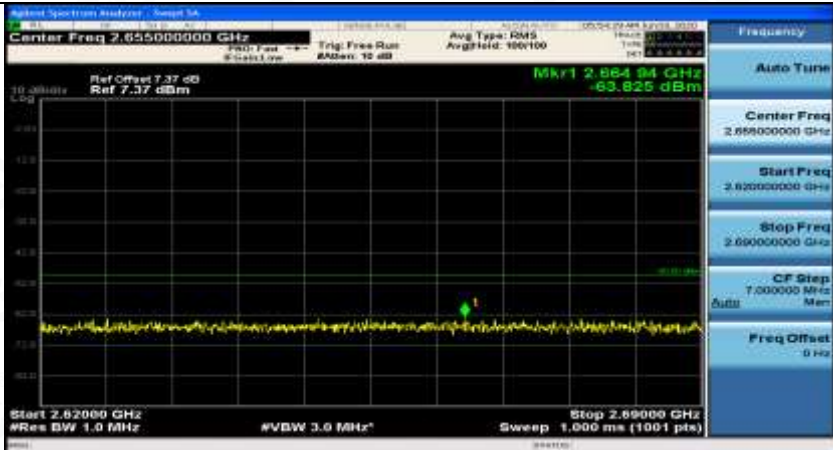

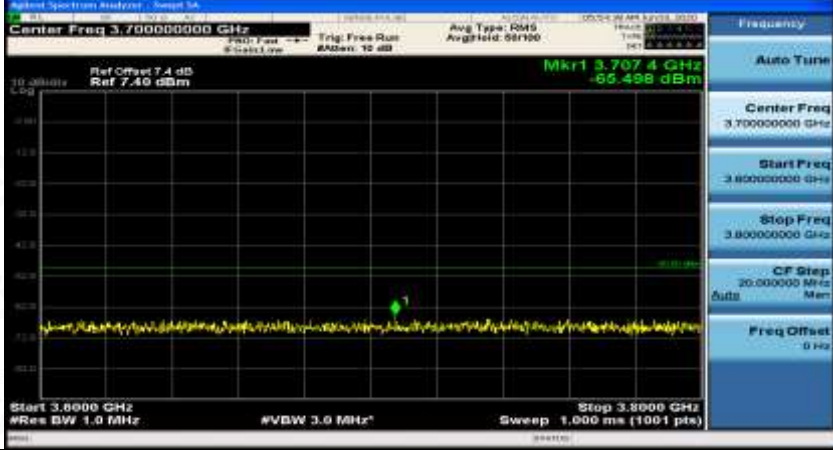
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.60000000 GHz</p> <p>Start Freq 1.20000000 GHz</p> <p>Stop Freq 2.00000000 GHz</p> <p>CF Step 80.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.48150000 GHz</p> <p>Start Freq 1.98300000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 303.700000 MHz</p> <p>Freq Offset 0 Hz</p>

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 761.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 926.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.90750000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.91500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>

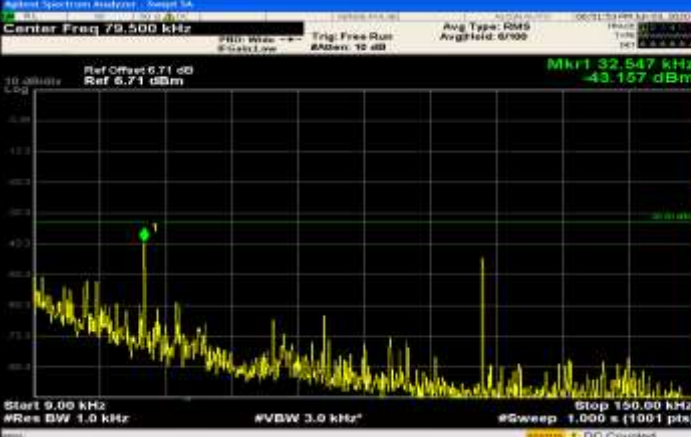


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59000000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>

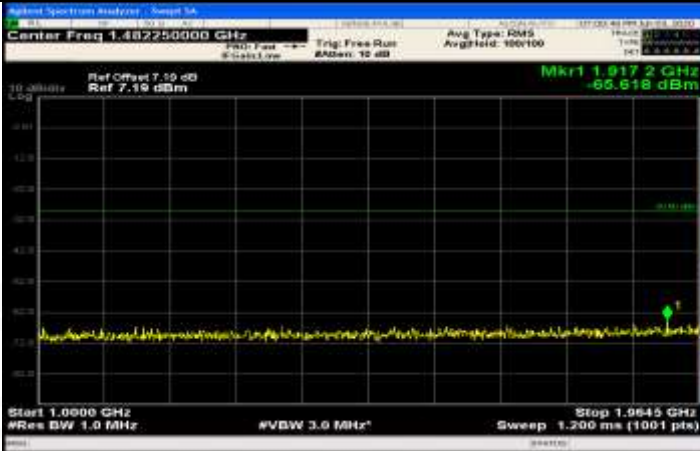
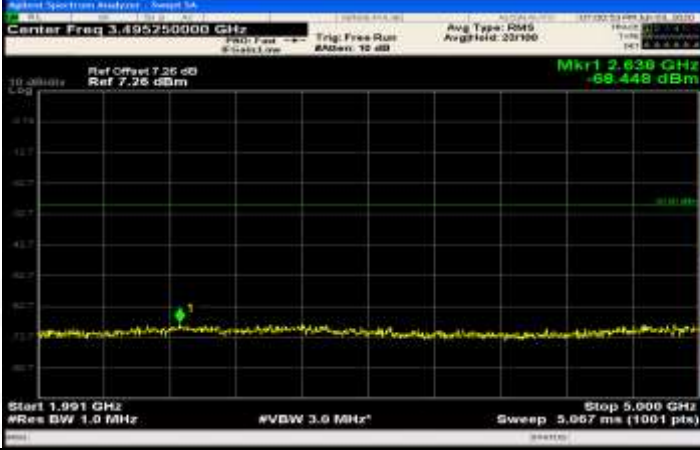

Co-existence	
Co-existence	
Co-existence	
Additional	NA


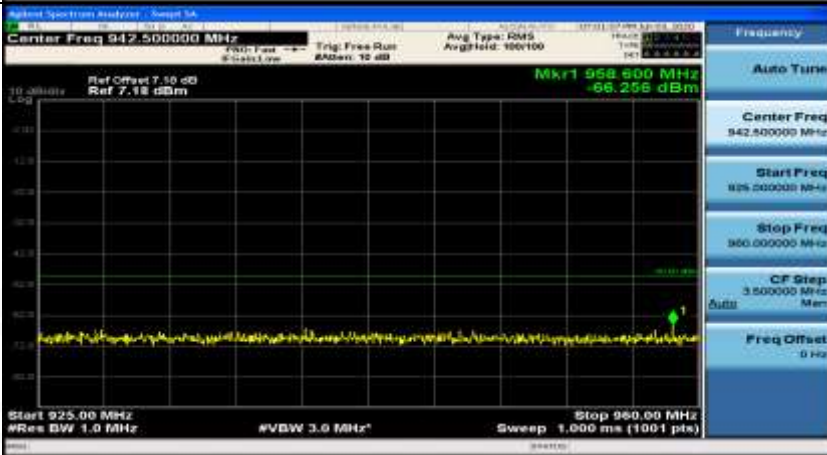
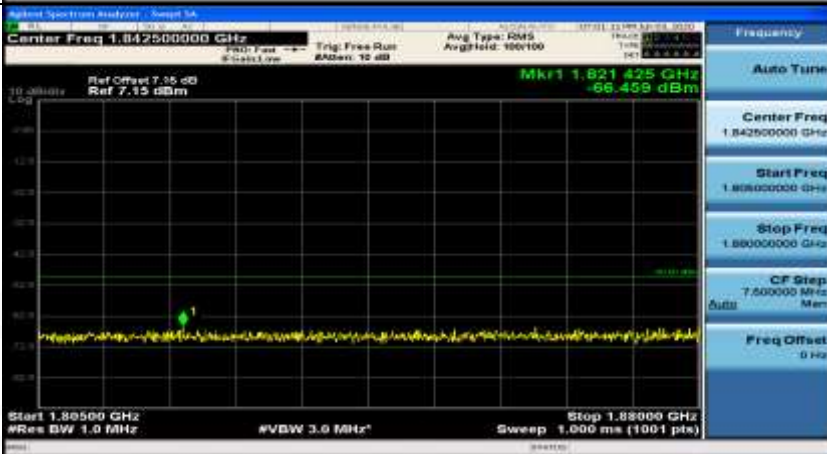
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0





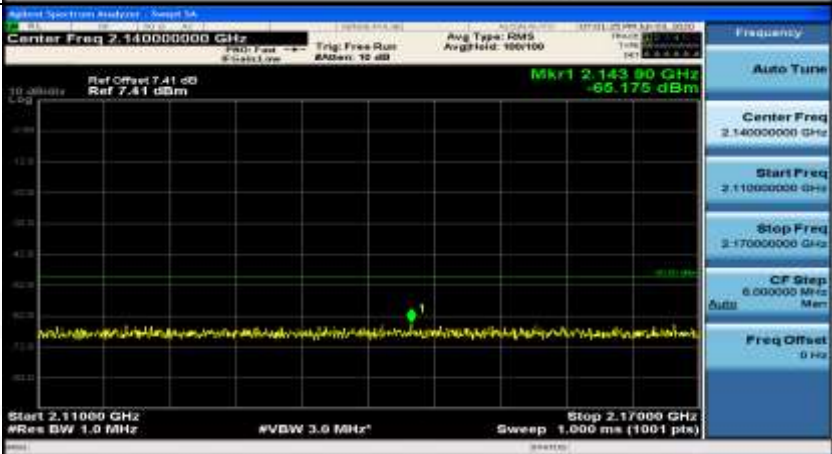


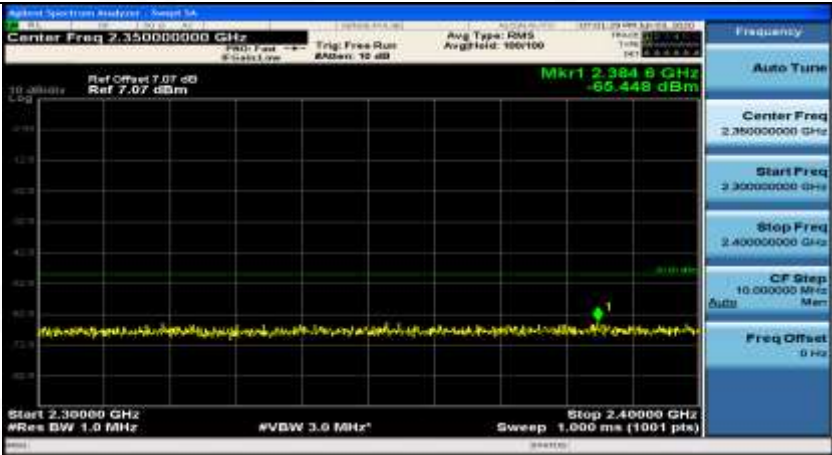

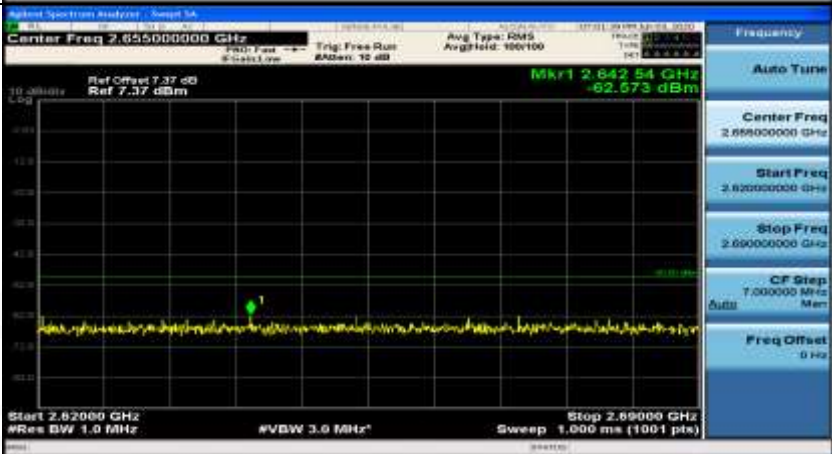
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

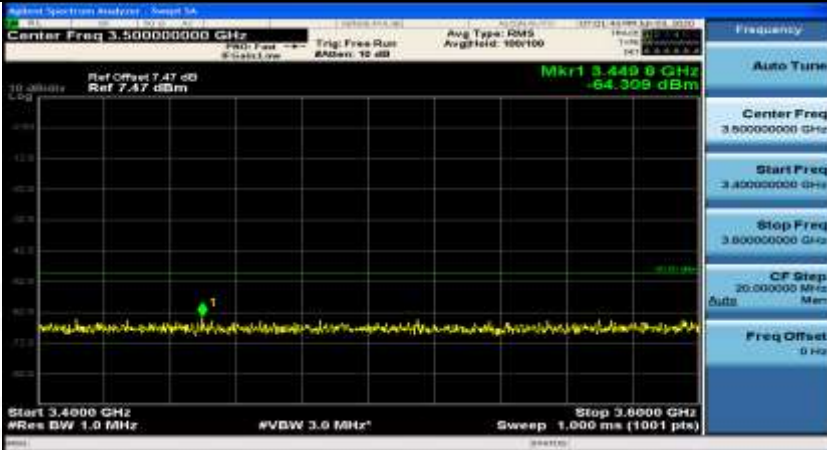
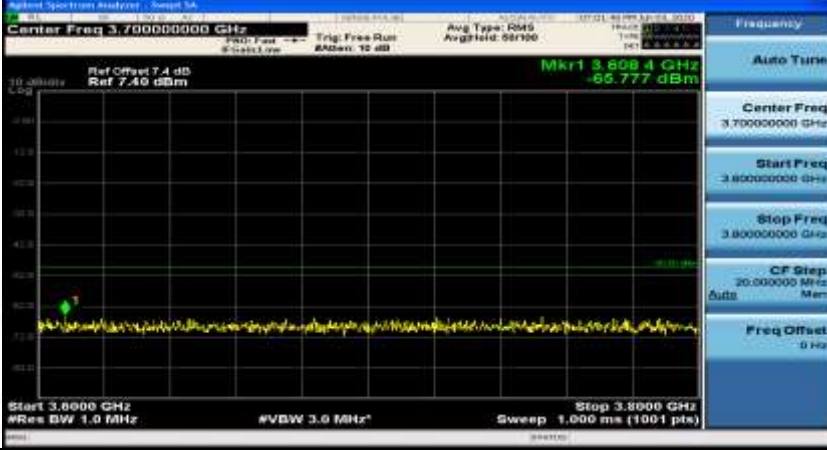
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 1.482250000 GHz</p> <p>Ref Offset 7.50 dB Ref 7.19 dBm</p> <p>Mkr1 1.9172 GHz -66.618 dBm</p> <p>Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 1.9545 GHz Sweep 1.200 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.482250000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.954500000 GHz</p> <p>CF Step 96.450000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 3.495250000 GHz</p> <p>Ref Offset 7.50 dB Ref 7.26 dBm</p> <p>Mkr1 2.636 GHz -68.448 dBm</p> <p>Start 1.991 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 5.000 GHz Sweep 5.067 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.495250000 GHz</p> <p>Start Freq 1.990000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 300.360000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 8.875000000 GHz</p> <p>Ref Offset 7.57 dB Ref 7.57 dBm</p> <p>Mkr1 12.74225 GHz -67.685 dBm</p> <p>Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 5.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

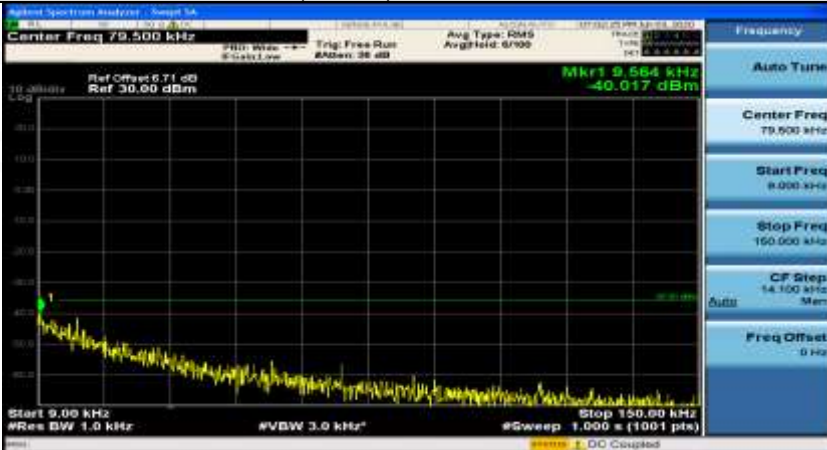
Co-existence	
Co-existence	
Co-existence	




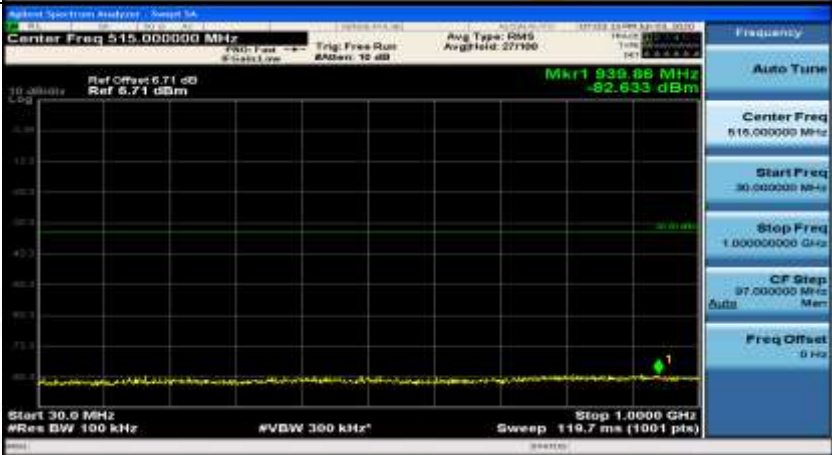
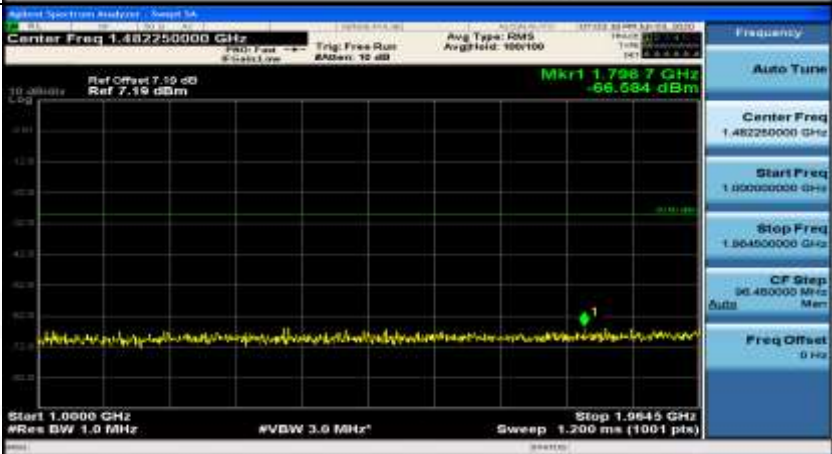
Co-existence	
Co-existence	
Co-existence	

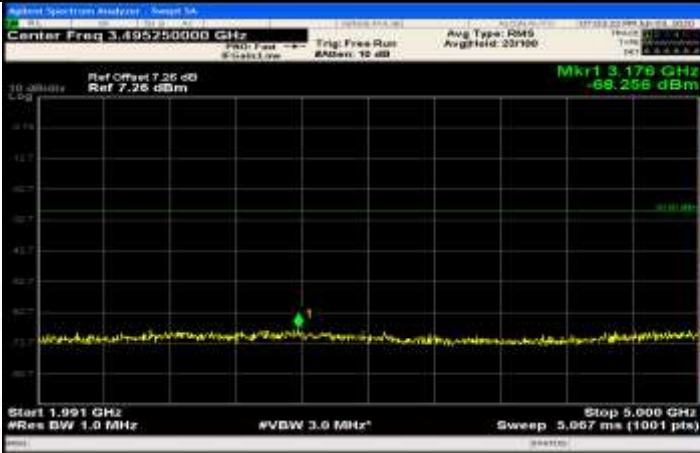

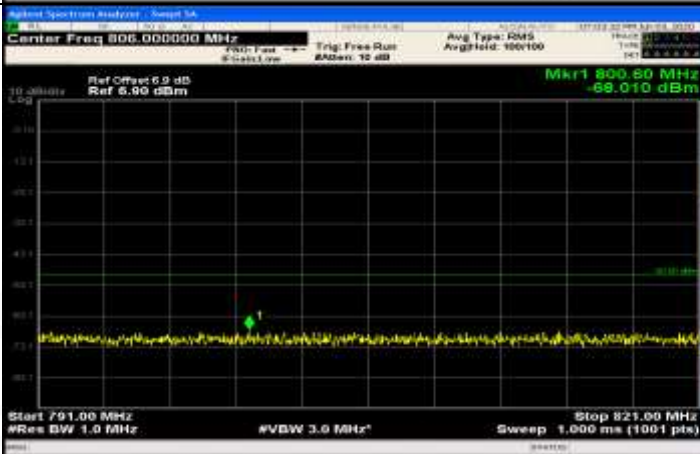
Co-existence	
Co-existence	
Co-existence	

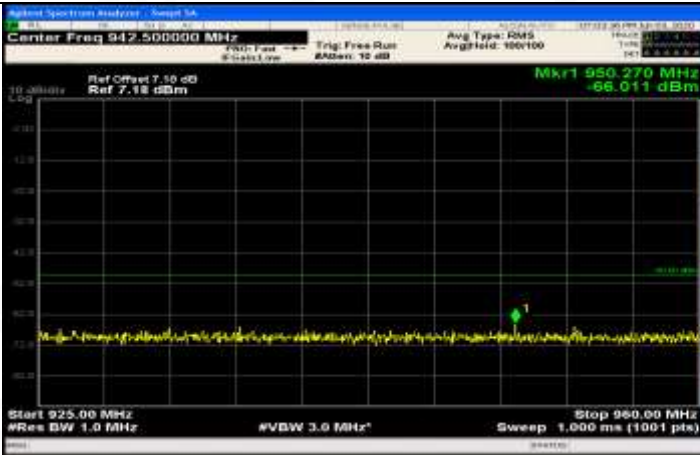
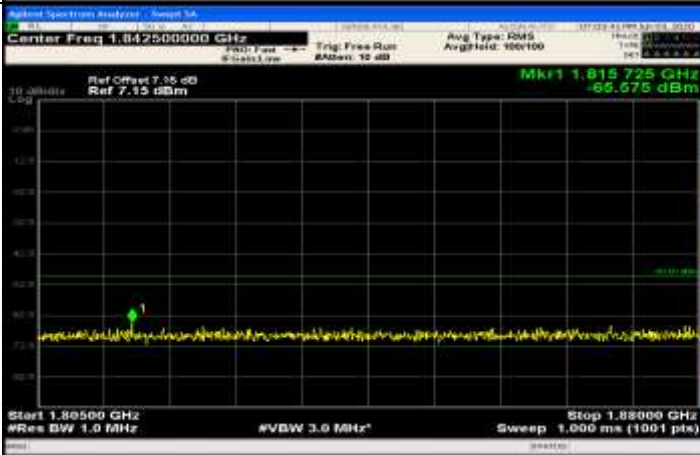

Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	

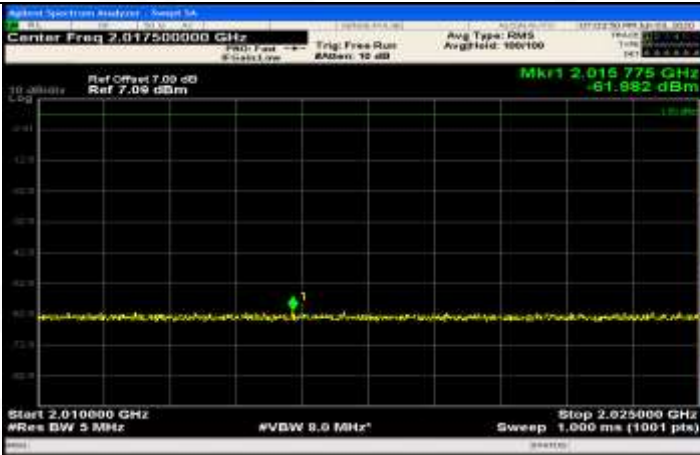
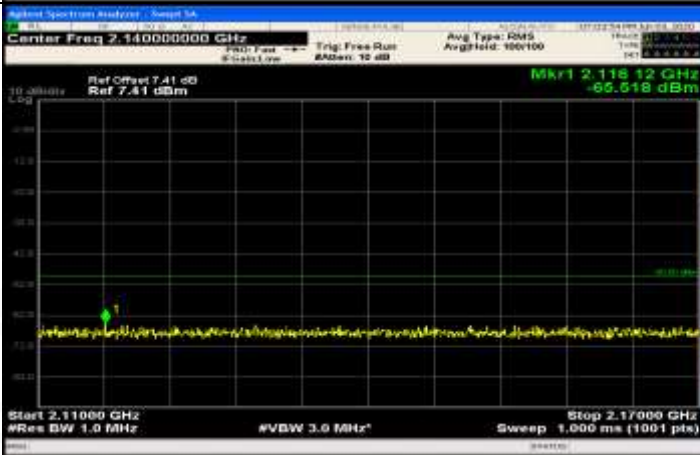
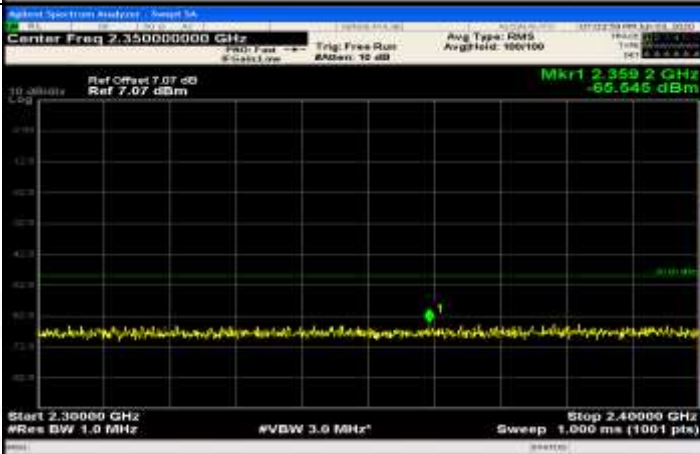


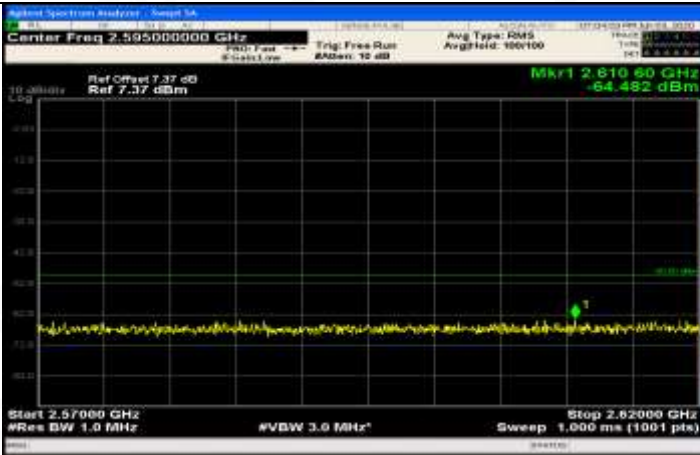
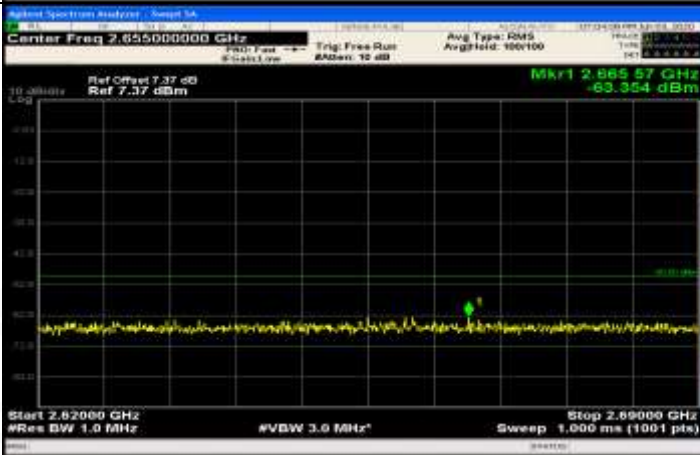
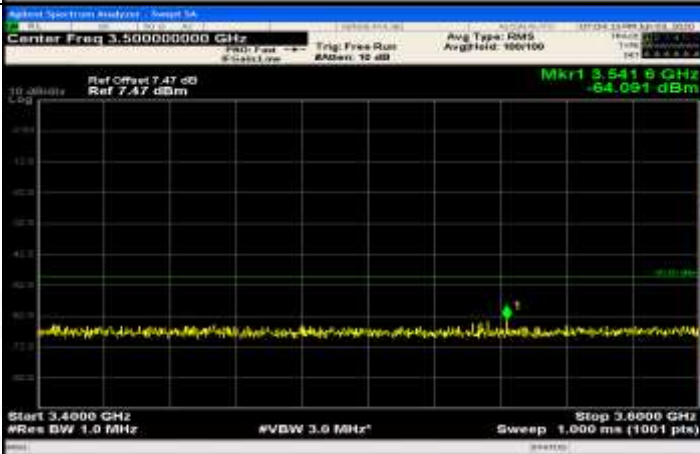
General	
General	
General	

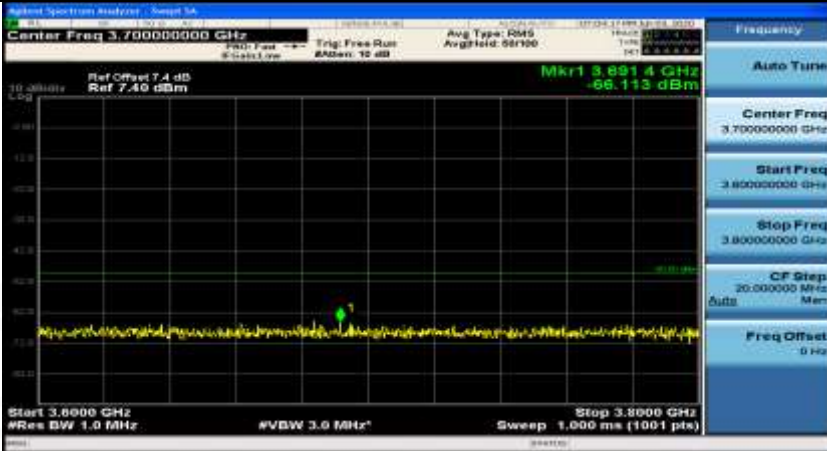
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.015 775 GHz -61.982 dBm Start 2.010000 GHz #Res BW 5 MHz #VBW 5.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.118 12 GHz -65.518 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.350000000 GHz Ref Offset 7.07 dB Ref 7.07 dBm Mkr1 2.359 2 GHz -65.545 dBm Start 2.300000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.400000 GHz Sweep 1.000 ms (1001 pts)</p>

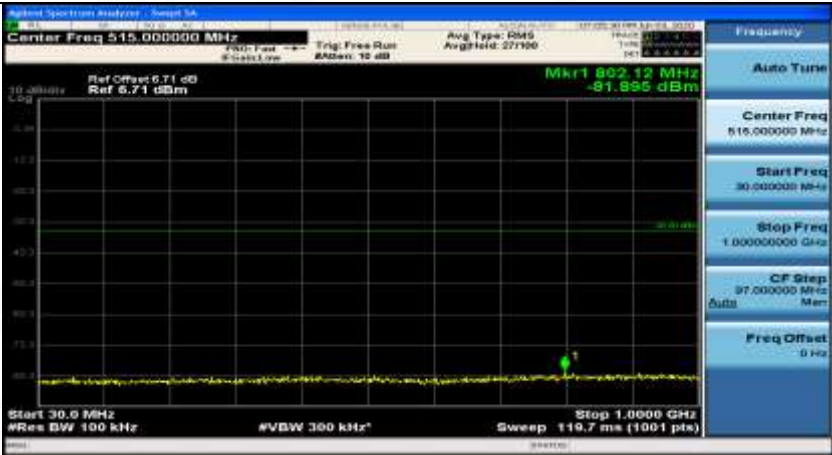
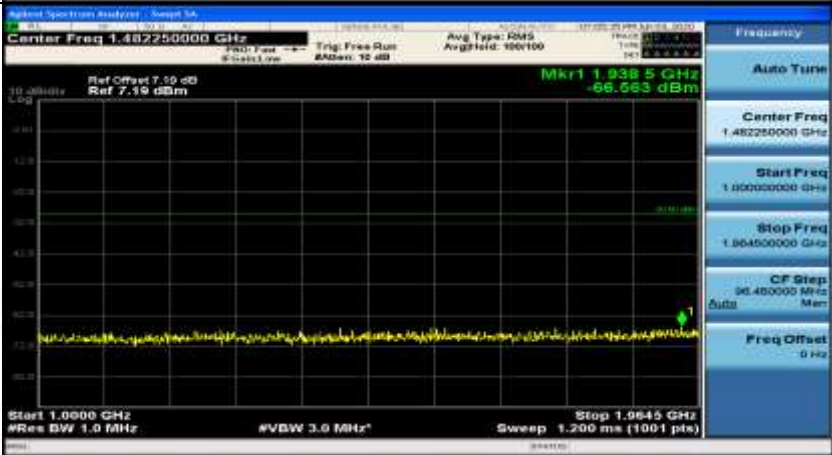

Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.595000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.81060 GHz -64.482 dBm Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.650000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.86557 GHz -63.354 dBm Start 2.62000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.69000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.500000000 GHz Ref Offset 7.47 dB Ref 7.47 dBm Mkr1 3.5419 GHz -64.091 dBm Start 3.4000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 3.6000 GHz Sweep 1.000 ms (1001 pts)</p>


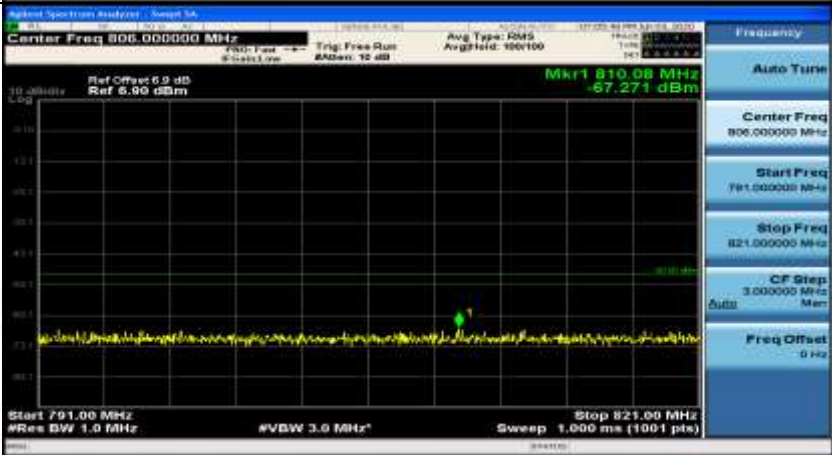
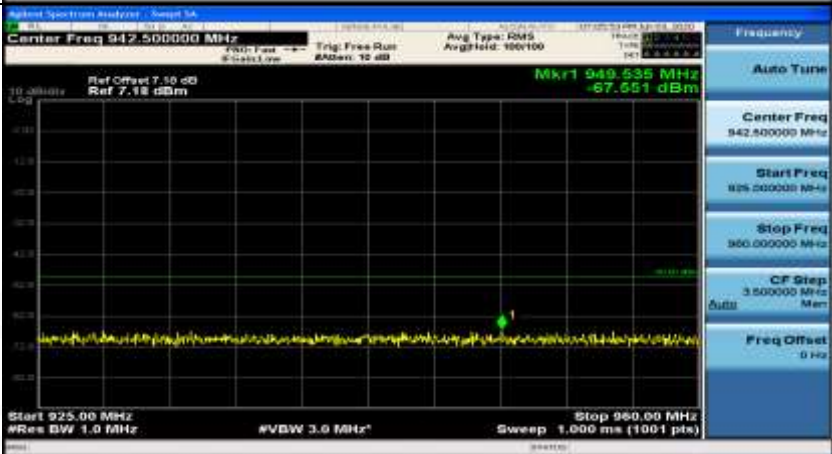
Co-existence	
Additional	NA

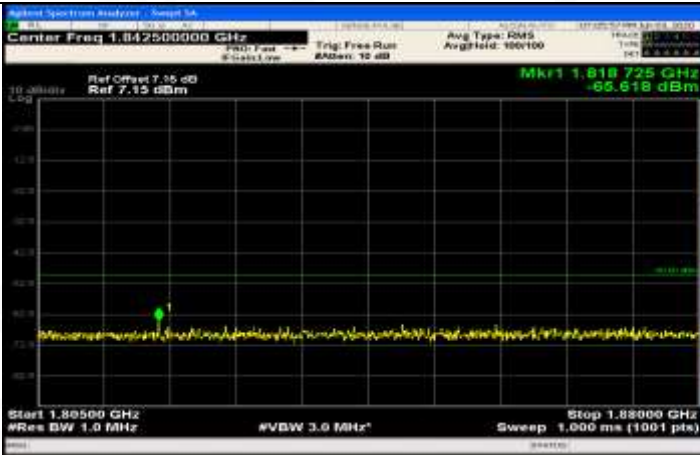

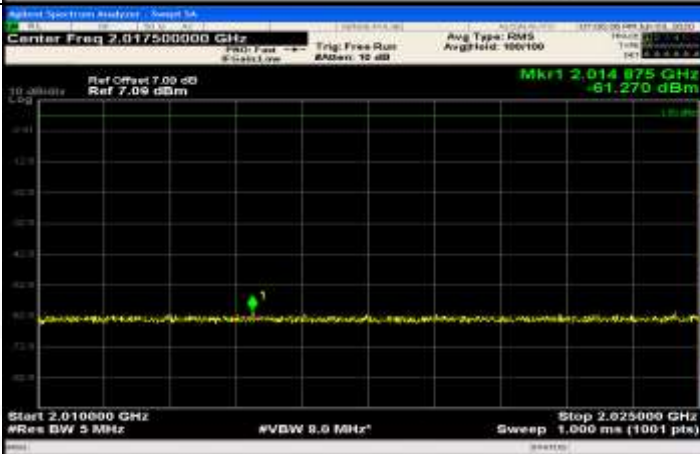
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_FullIRB#0

General	
General	

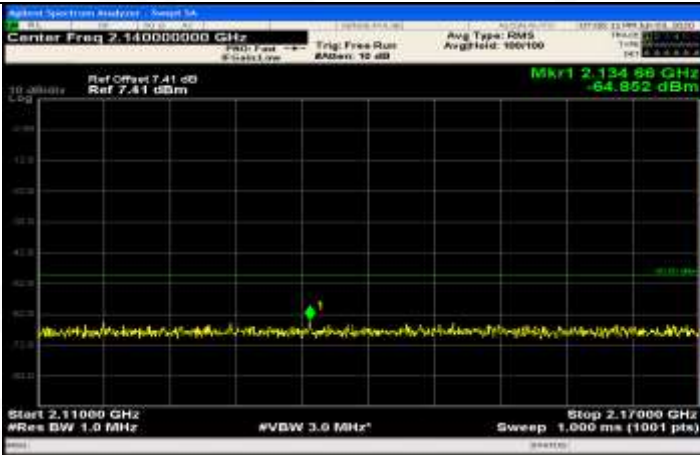
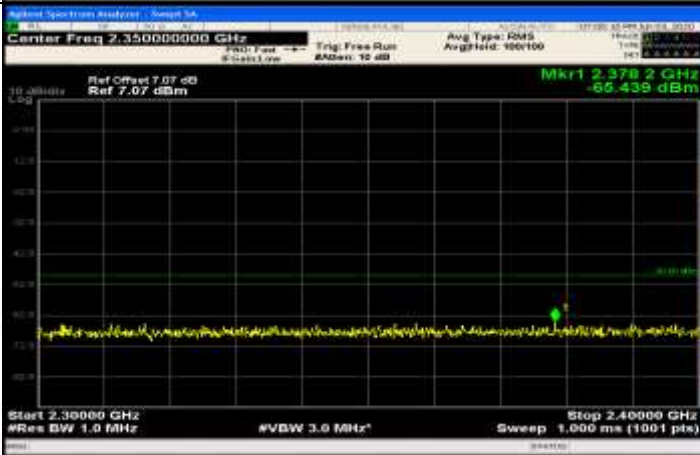
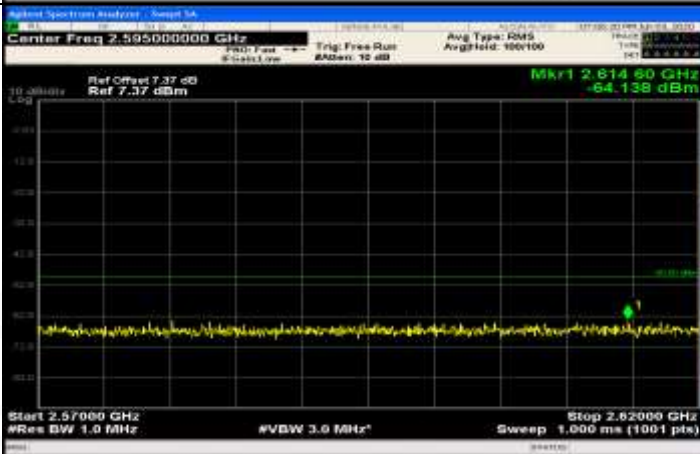


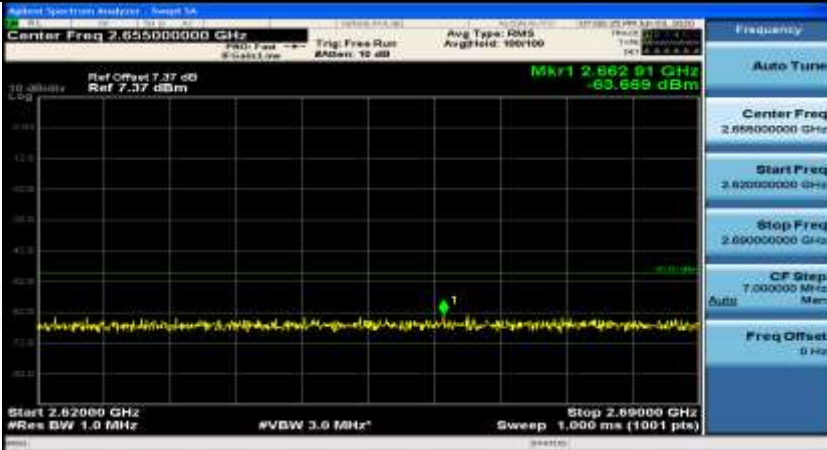
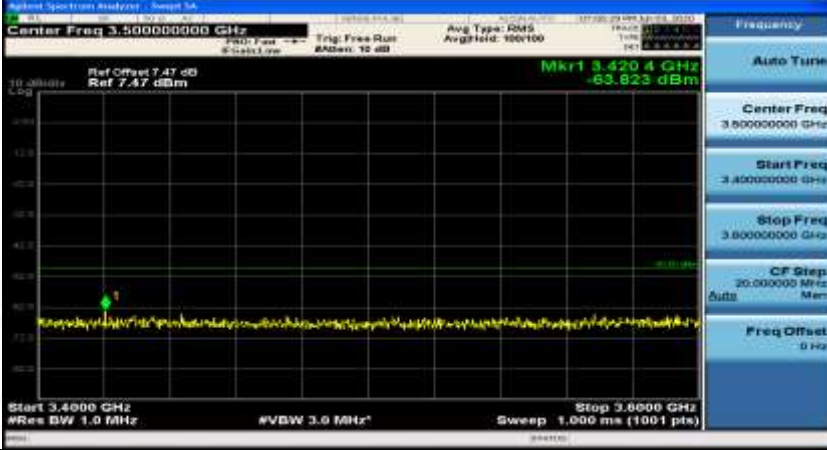

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 892.12 MHz -81.895 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.48225000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 1.9385 GHz -66.563 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.945 GHz Sweep 1.200 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.49525000 GHz Ref Offset 7.26 dB Ref 7.26 dBm Mkr1 3.137 GHz -67.718 dBm Start 1.991 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.067 ms (1001 pts)</p>

General	
Co-existence	
Co-existence	



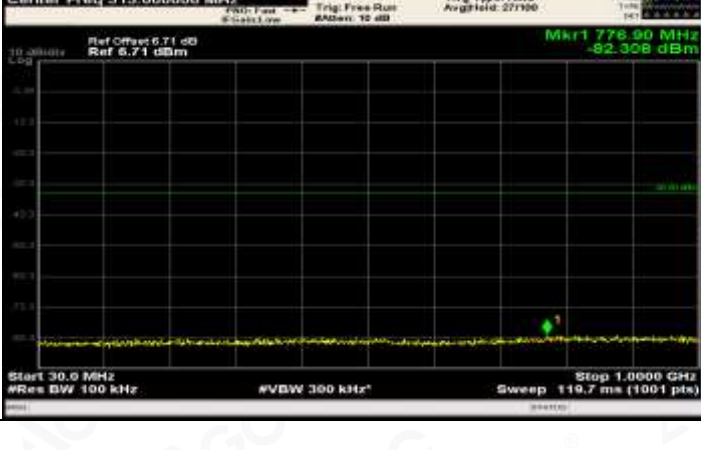
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

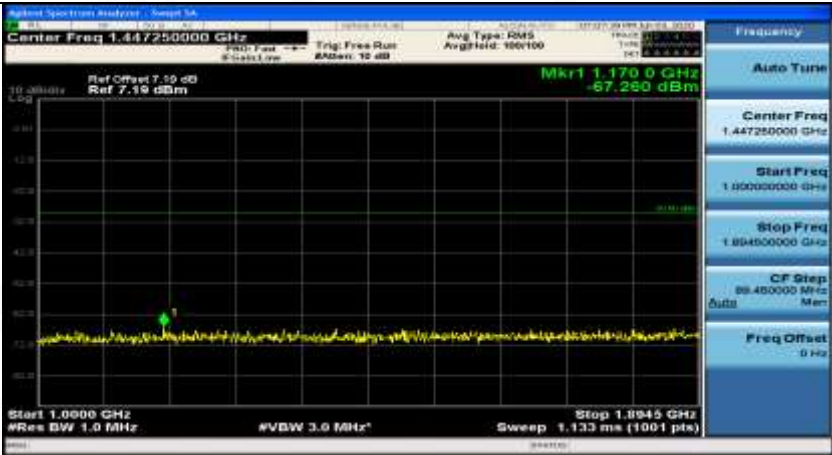


Co-existence	
Co-existence	
Co-existence	
Additional	NA

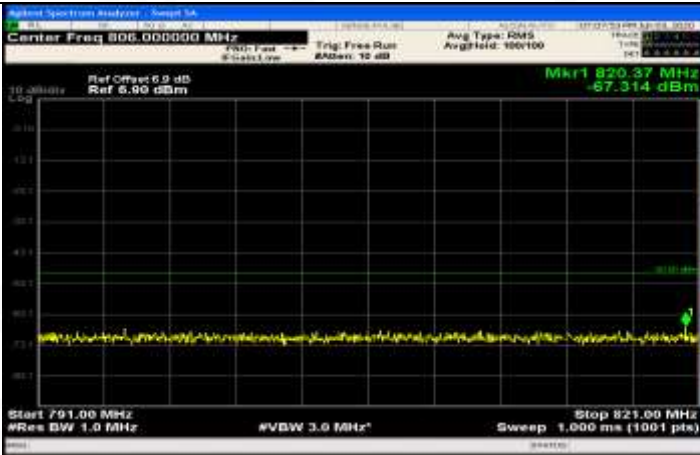
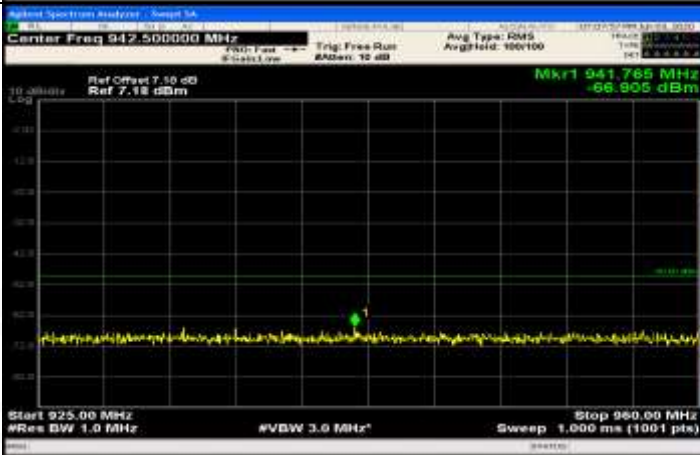
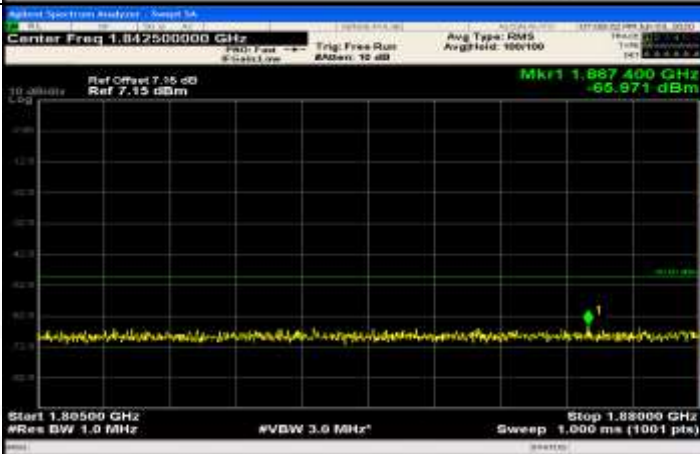
Channel Bandwidth= (20 MHz)

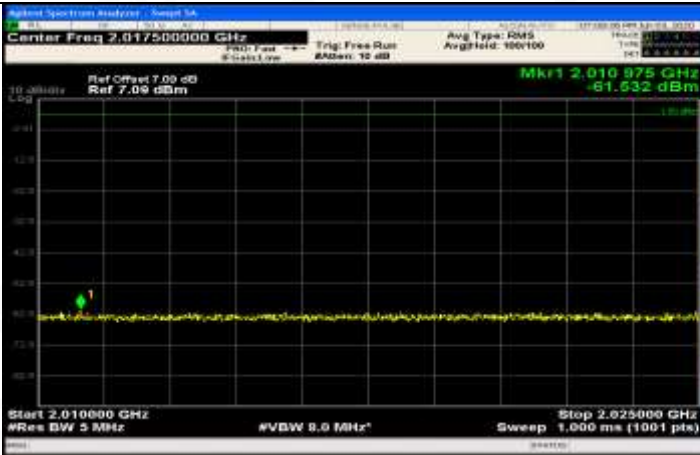
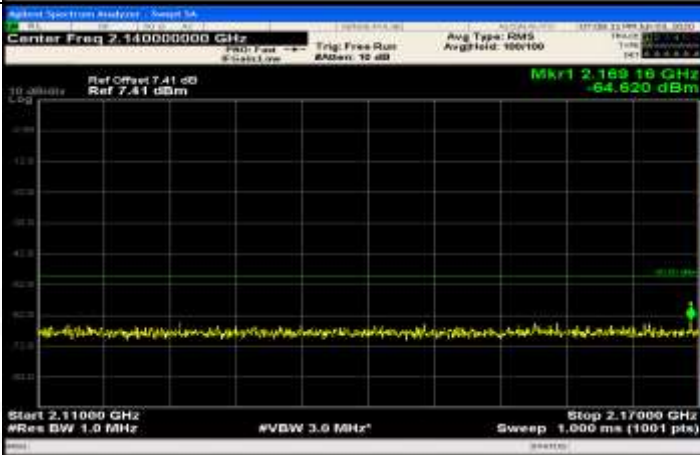
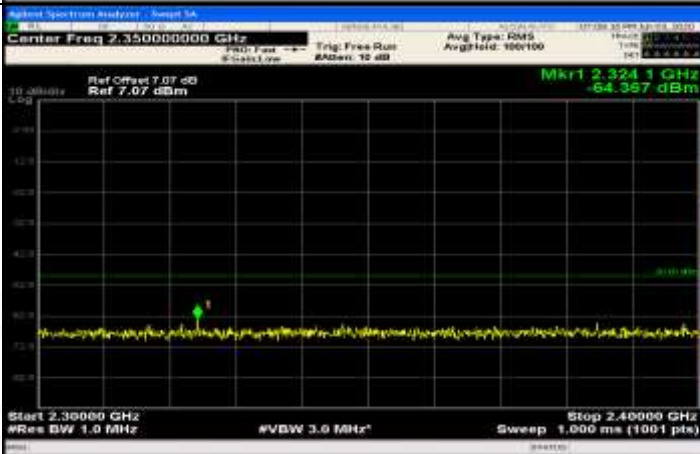
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0		
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.0000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>



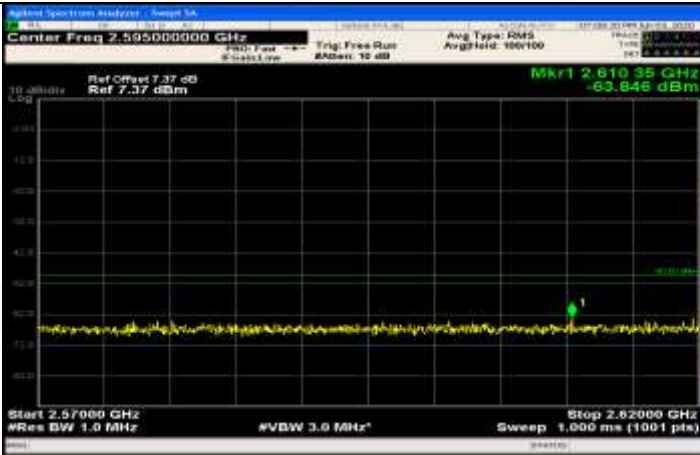
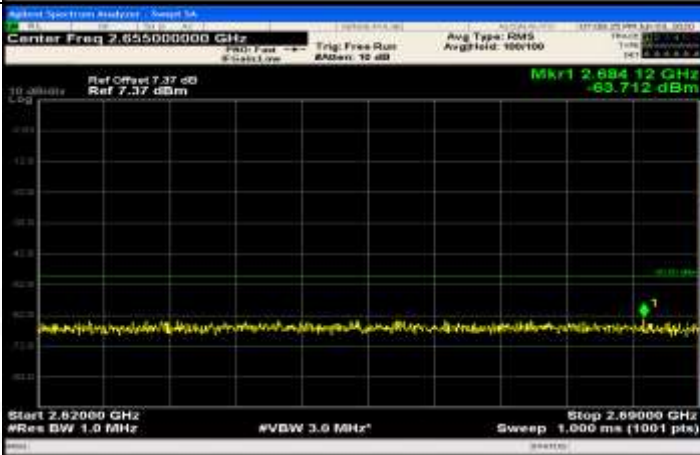
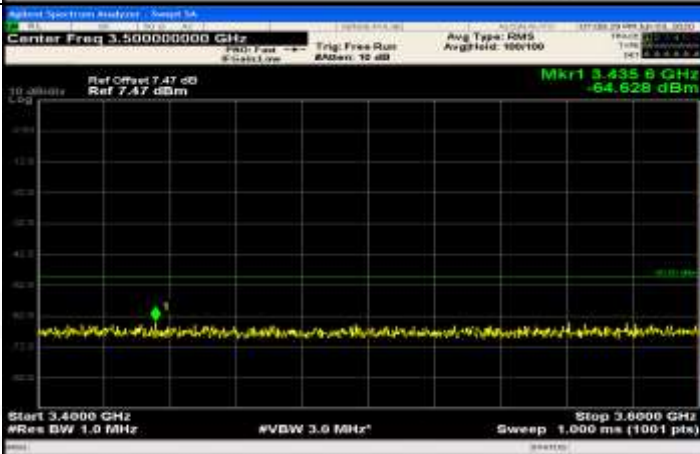


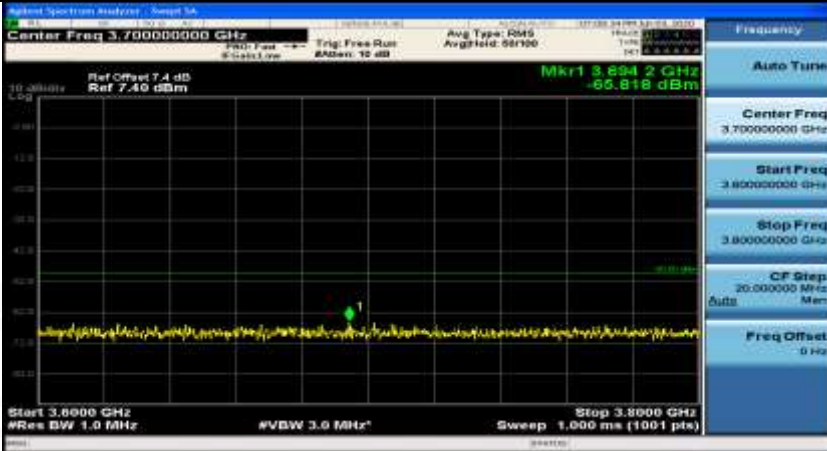
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.447250000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 1.170 0 GHz -67.260 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.8945 GHz Sweep 1.133 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.482750000 GHz Ref Offset 7.50 dB Ref 7.26 dBm Mkr1 4.985 GHz -68.416 dBm Start 1.998 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.067 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.57 dB Ref 7.67 dBm Mkr1 12.181 00 GHz -67.921 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>

Co-existence	
Co-existence	
Co-existence	

Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.010 975 GHz -61.632 dBm Start 2.010000 GHz #Res BW 5 MHz #VBW 5.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.169 16 GHz -64.620 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.350000000 GHz Ref Offset 7.07 dB Ref 7.07 dBm Mkr1 2.324 1 GHz -64.357 dBm Start 2.300000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.400000 GHz Sweep 1.000 ms (1001 pts)</p>



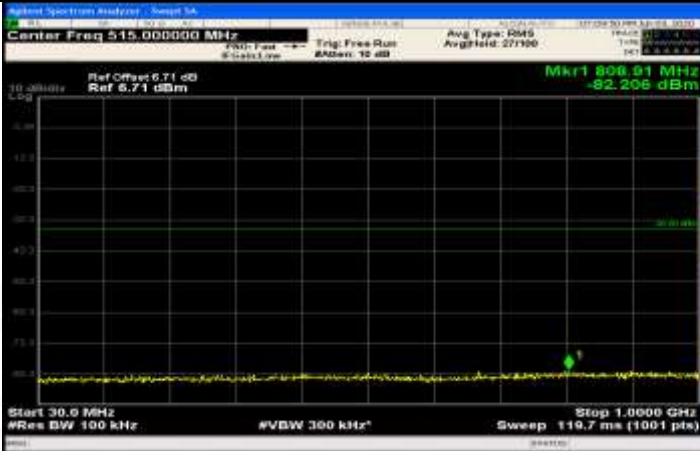
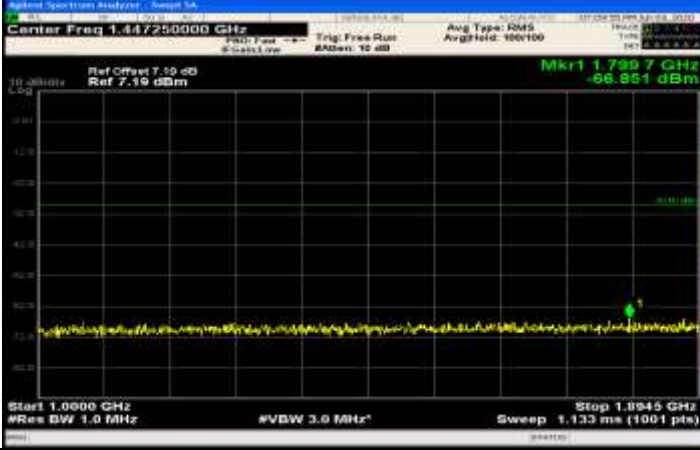

Co-existence	
Co-existence	
Co-existence	

Co-existence	
Additional	NA


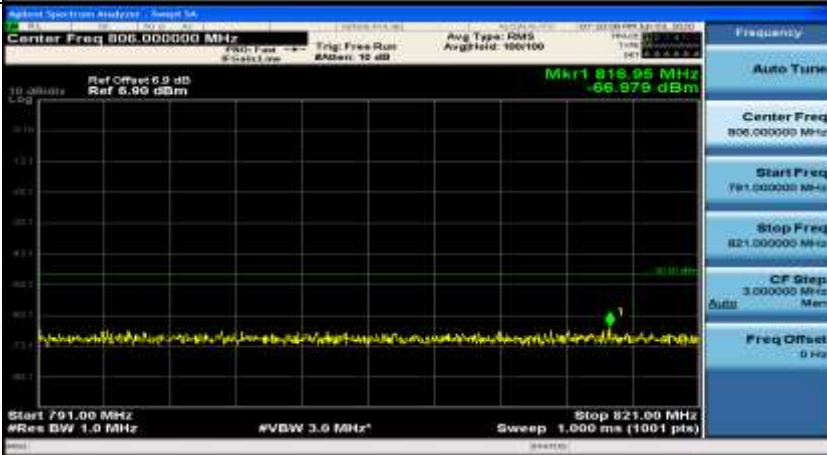
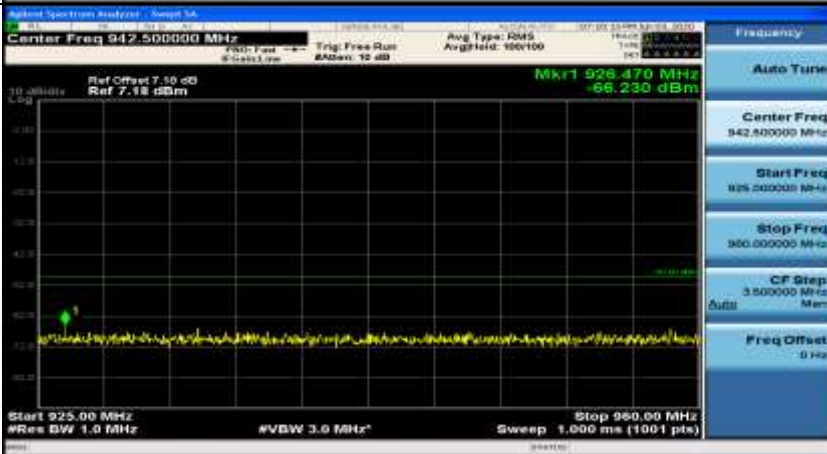
Channel Bandwidth=Highest (#BWH MHz)\_QPSK\_LCH\_1RB#max

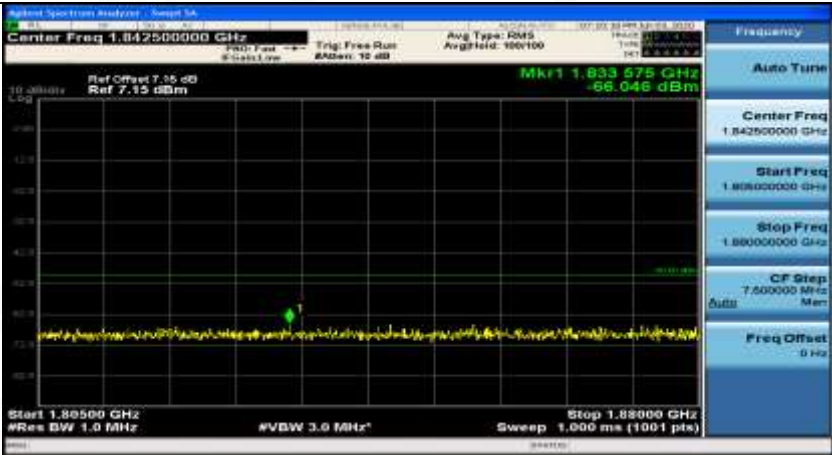

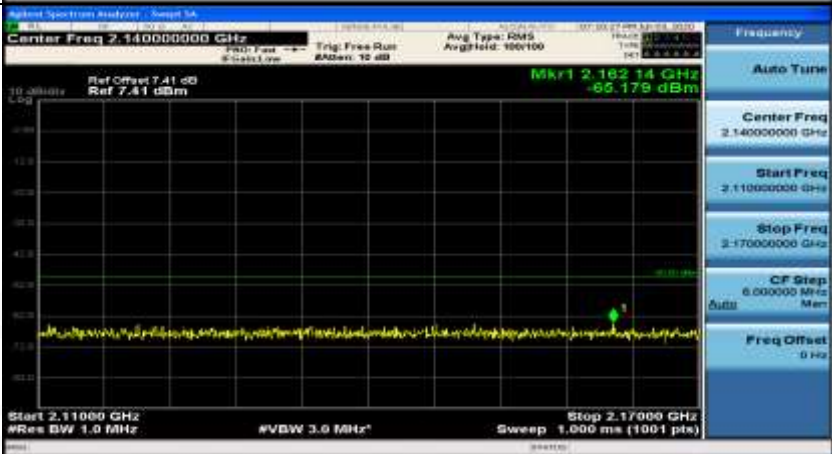
General	
General	

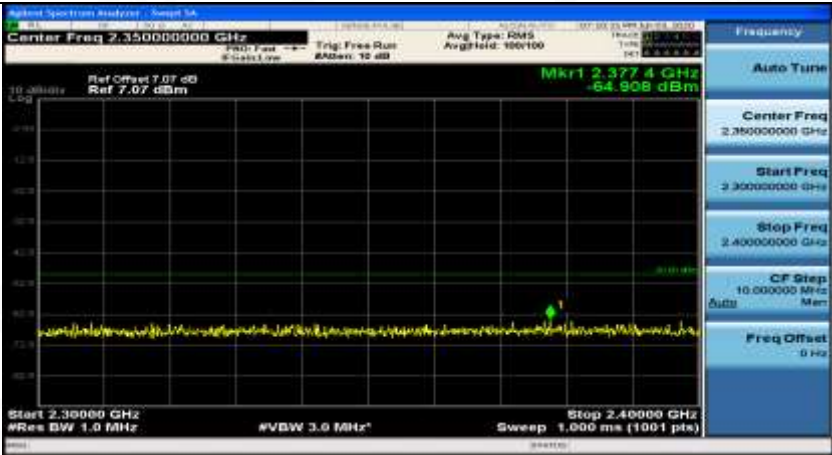
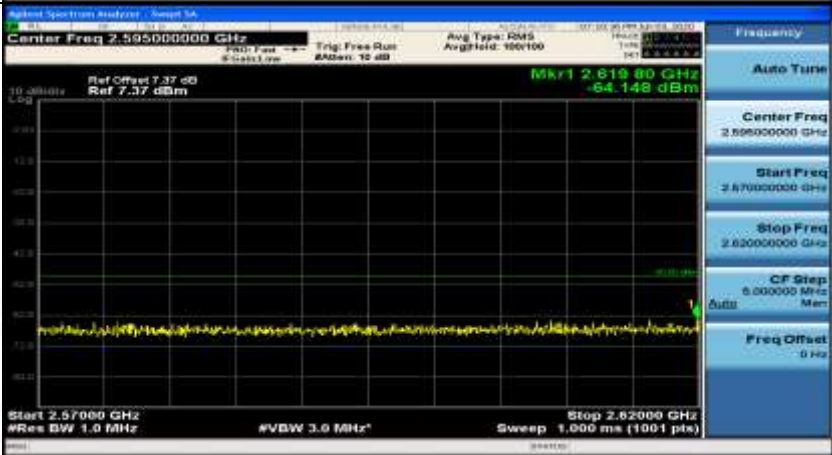
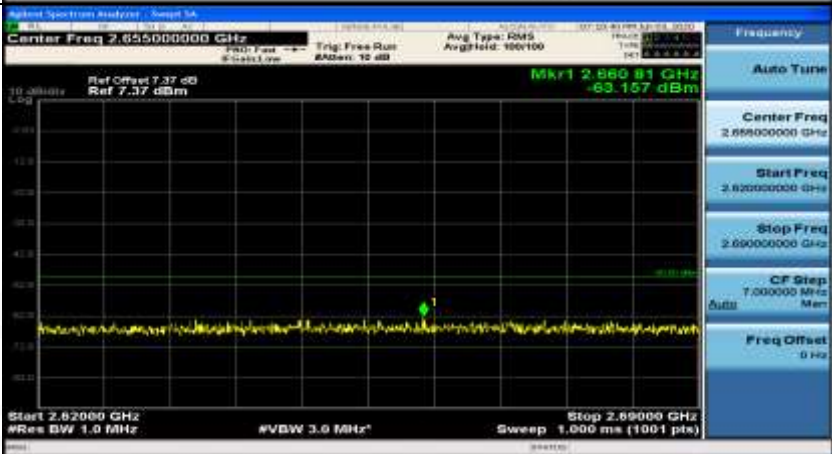


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.44725000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 1.89450000 GHz</p> <p>CF Step 89.450000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.48275000 GHz</p> <p>Start Freq 1.96600000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 303.450000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

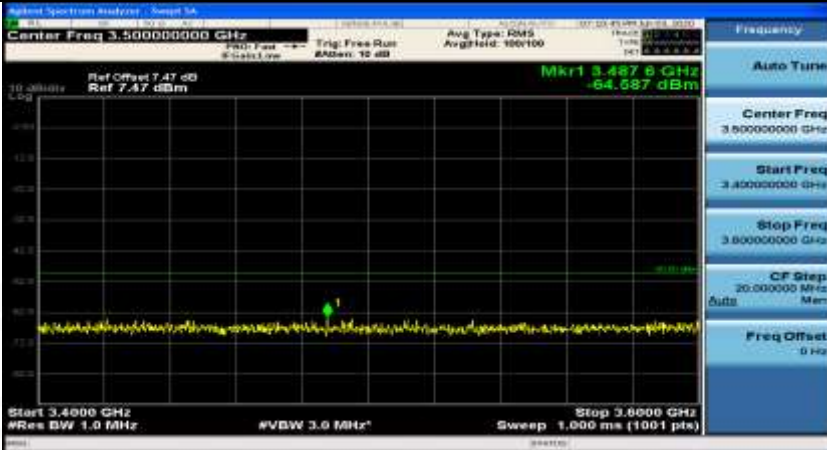
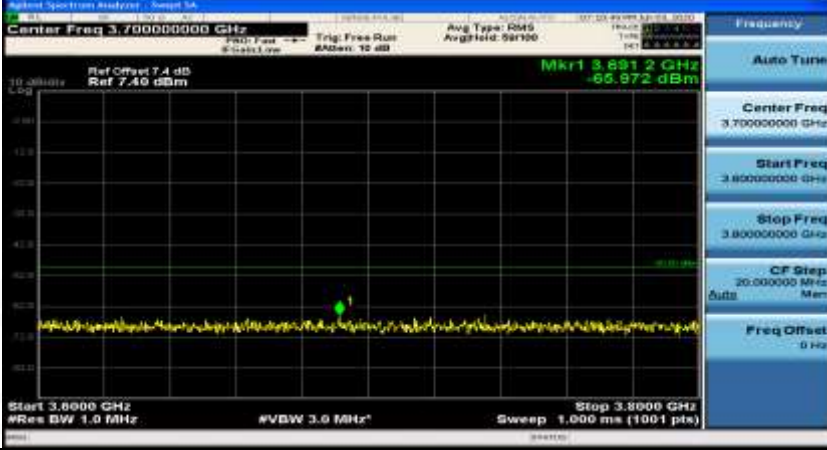



General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


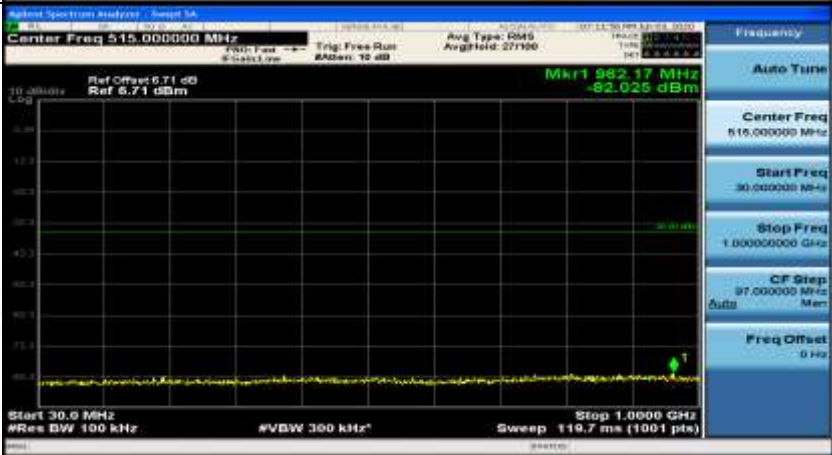
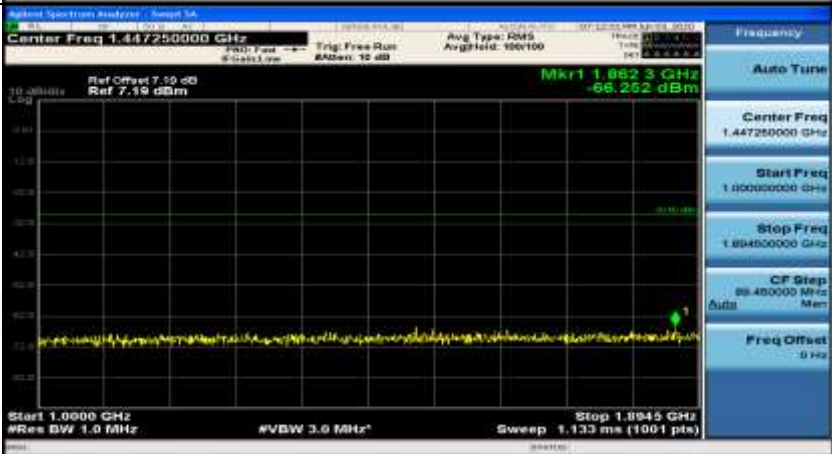
Co-existence	
Co-existence	
Co-existence	





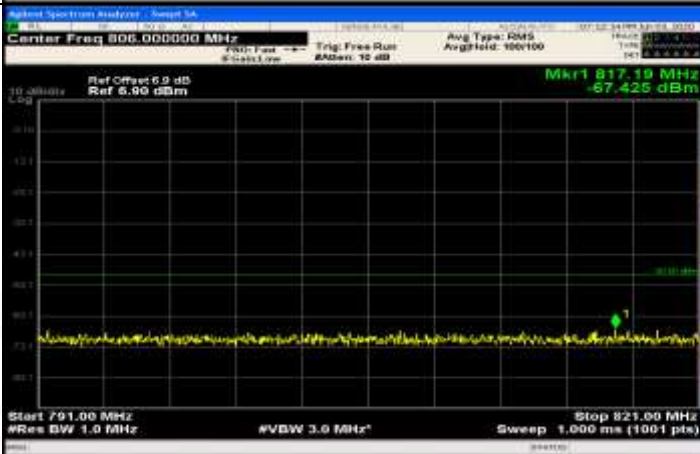
Co-existence		Frequency Auto Tune Center Freq 3.50000000 GHz Start Freq 3.40000000 GHz Stop Freq 3.60000000 GHz CF Step 20.000000 MHz Freq Offset 0 Hz
Co-existence		Frequency Auto Tune Center Freq 3.70000000 GHz Start Freq 3.60000000 GHz Stop Freq 3.80000000 GHz CF Step 20.000000 MHz Freq Offset 0 Hz
Additional	NA	

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0		
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 8.000 kHz Stop Freq 150.000 kHz CF Step 14.100 kHz Freq Offset 0 Hz

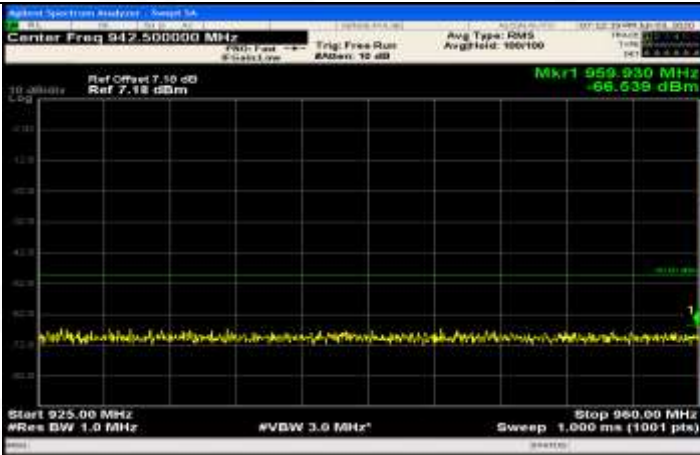
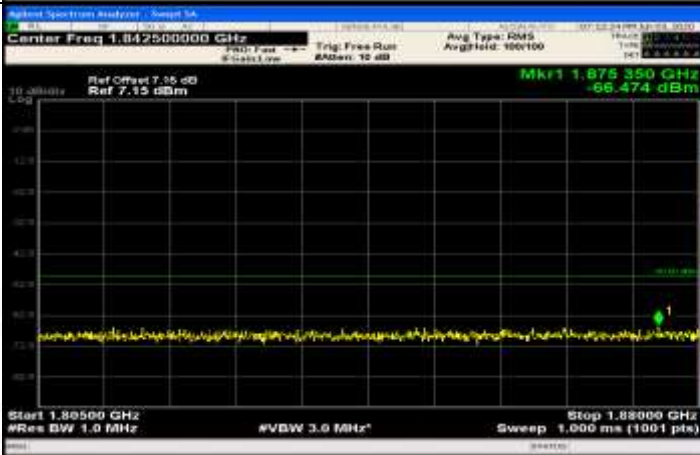
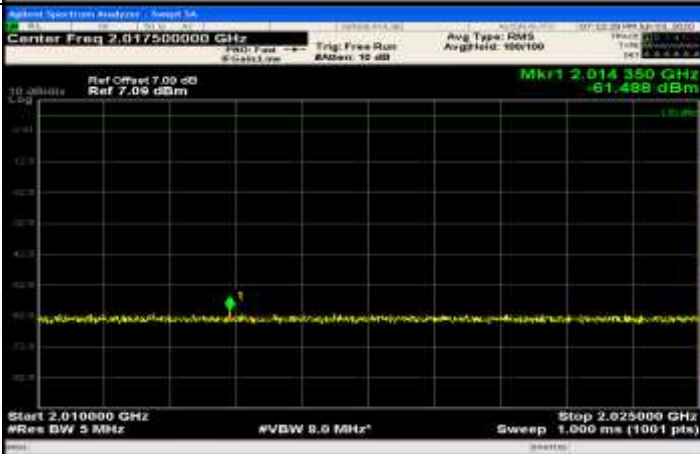


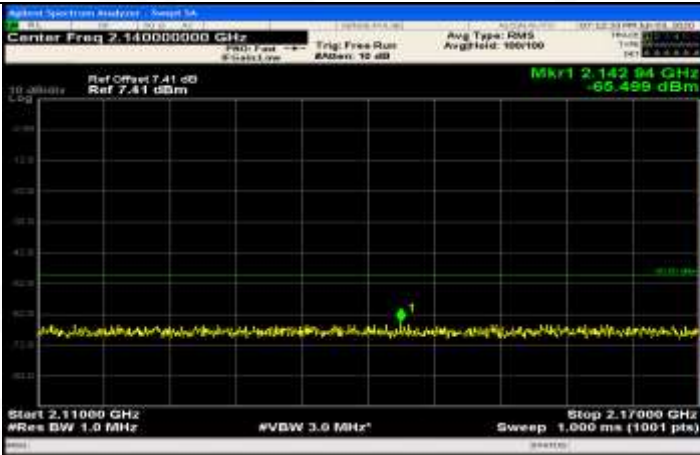
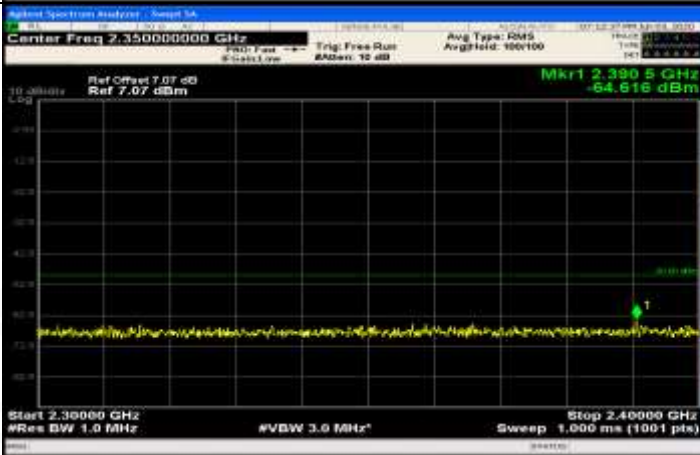
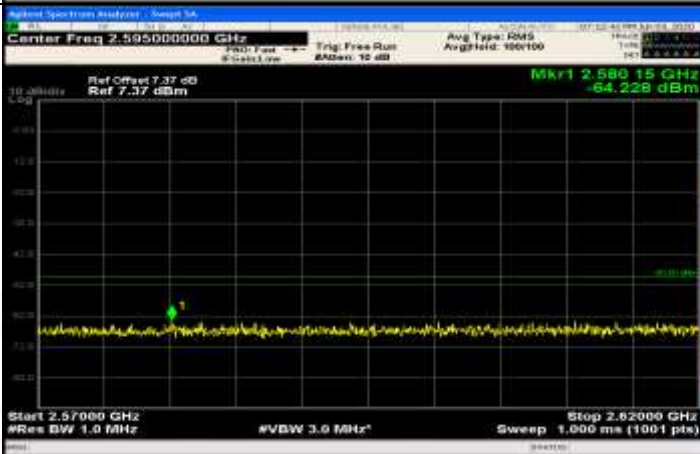
General	
General	
General	

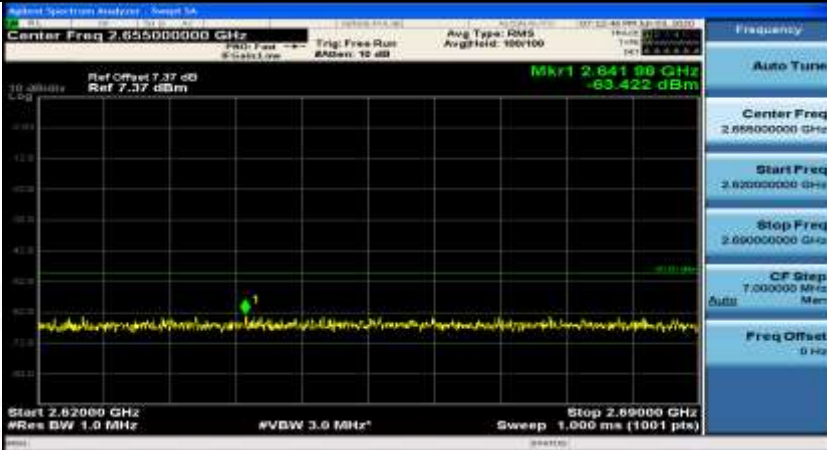
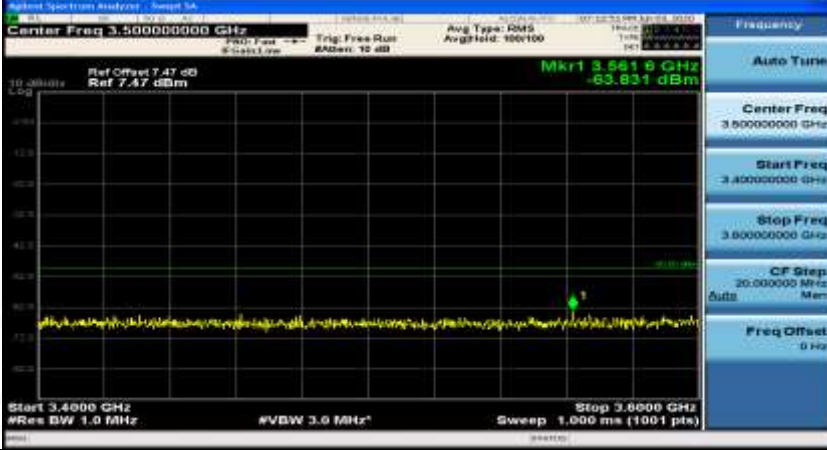
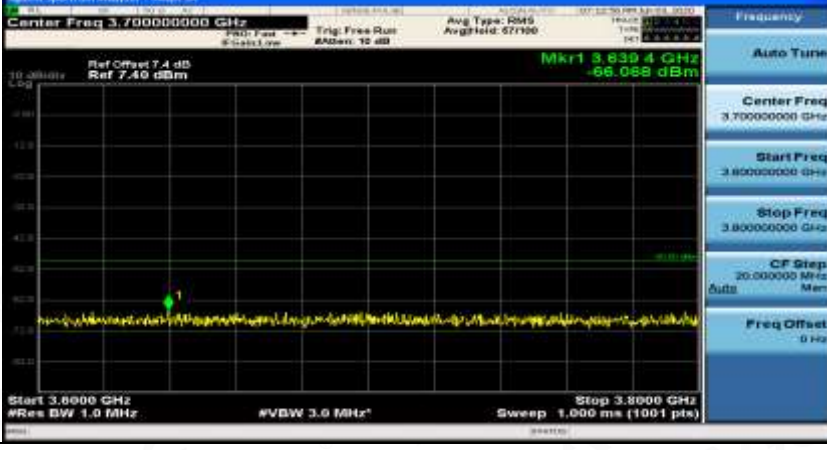


General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

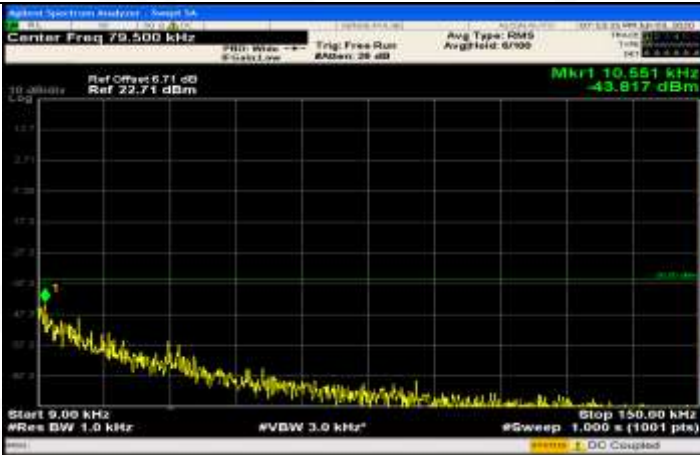

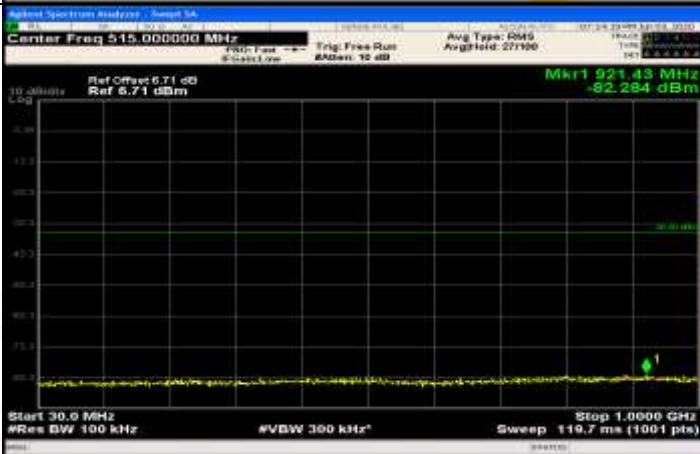
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Co-existence	

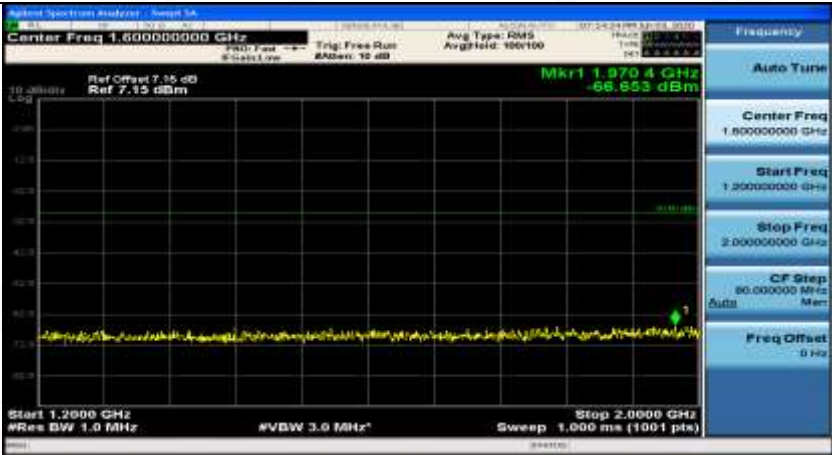

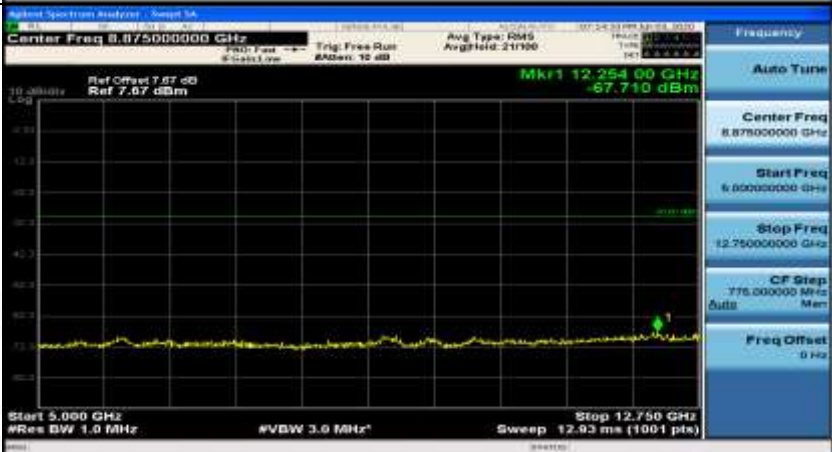
Co-existence	
Co-existence	
Co-existence	
Additional	NA

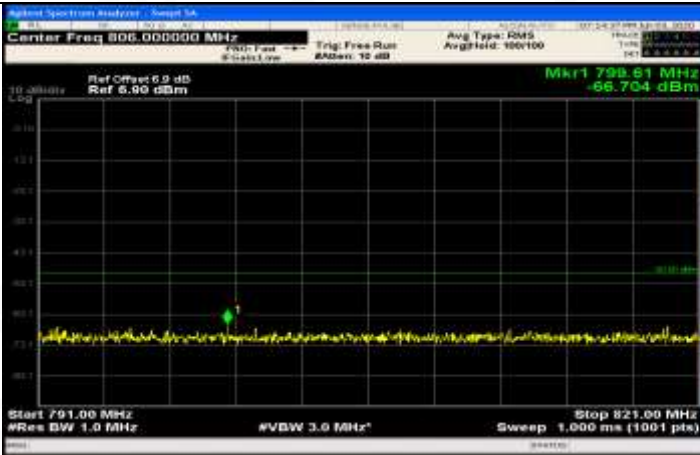
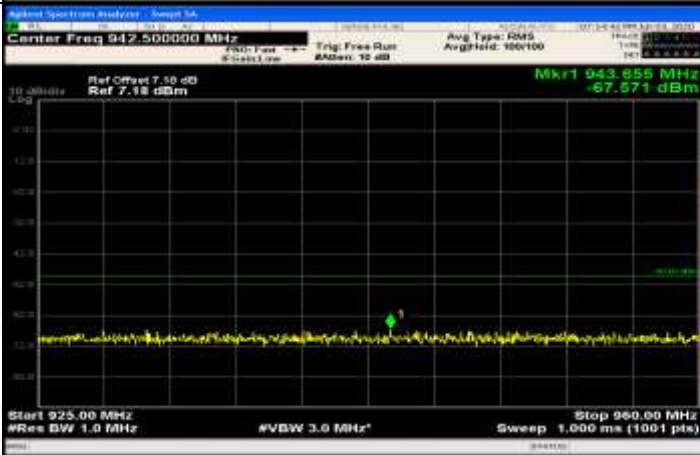
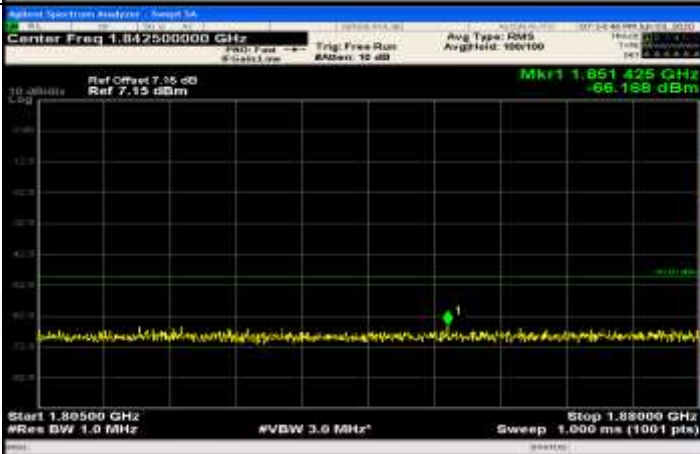
Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0



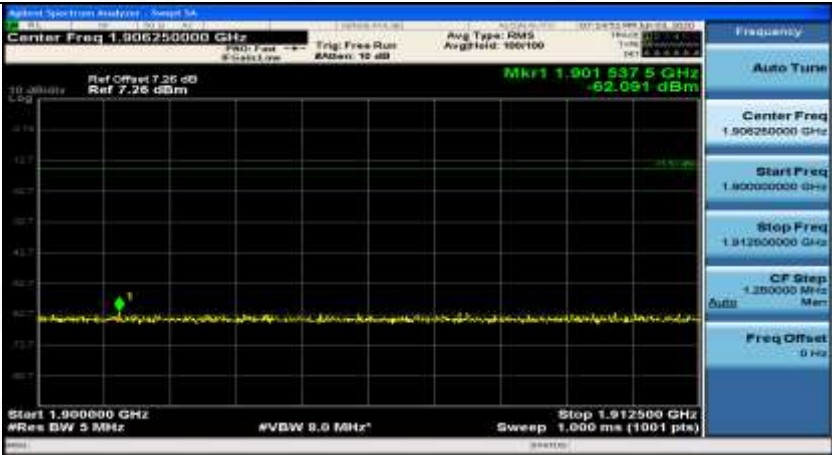

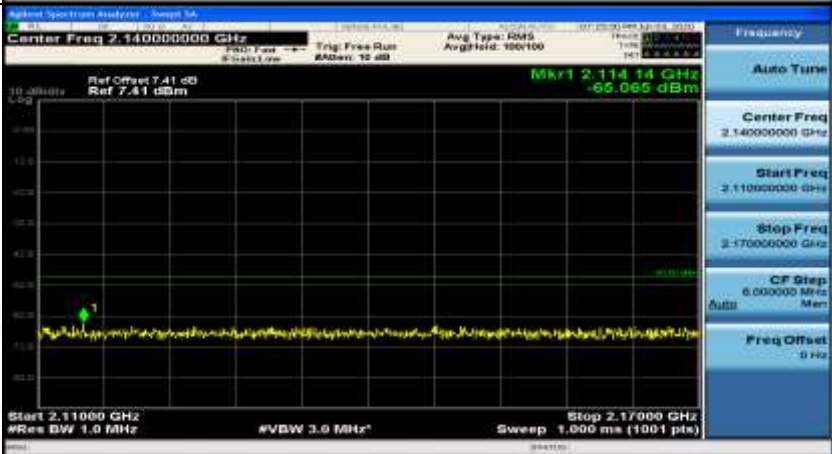


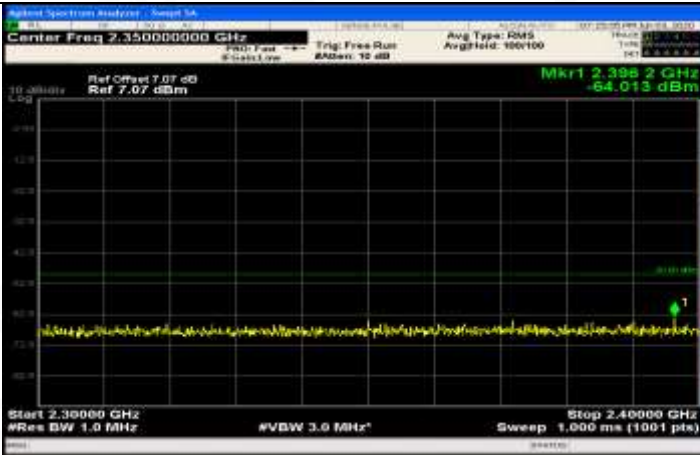
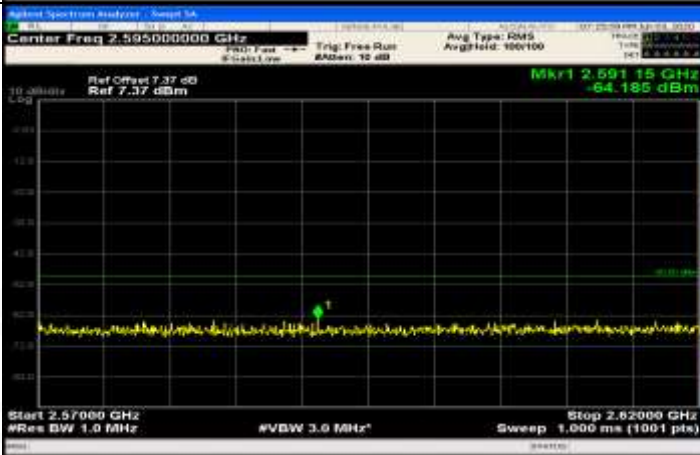
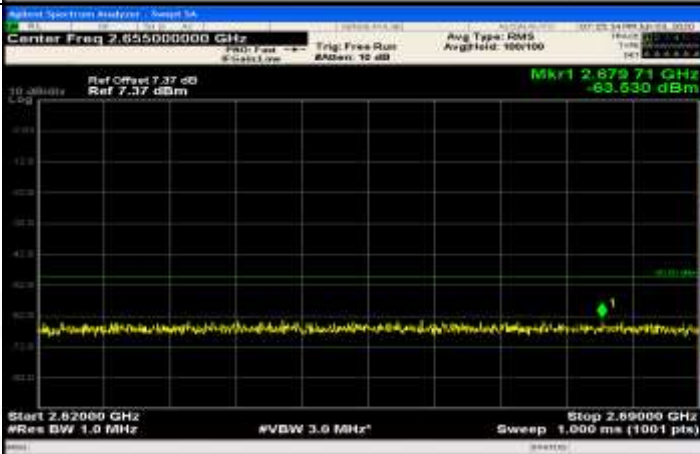
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General	
General	

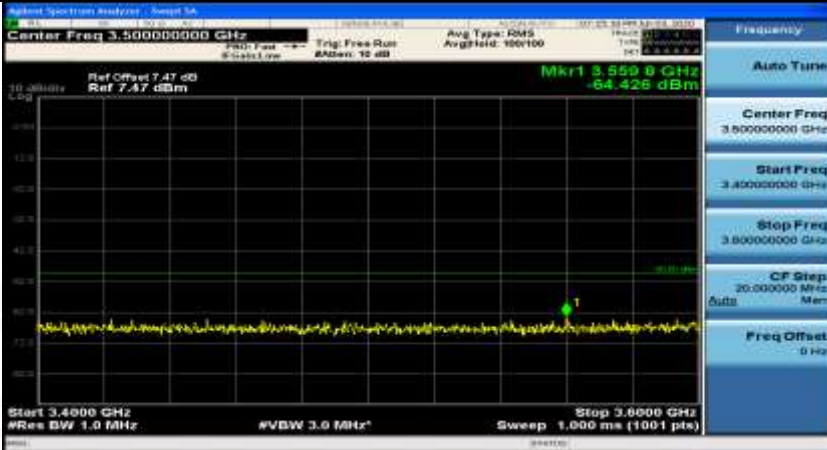
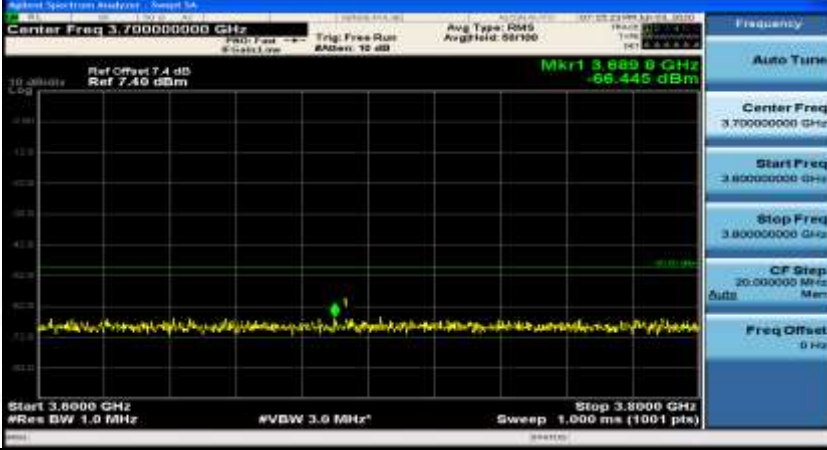
General	
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General	


Co-existence	
Co-existence	
Co-existence	




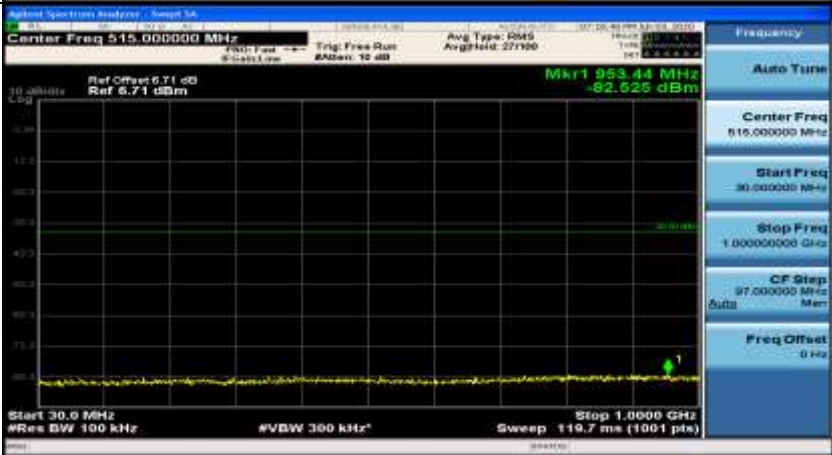
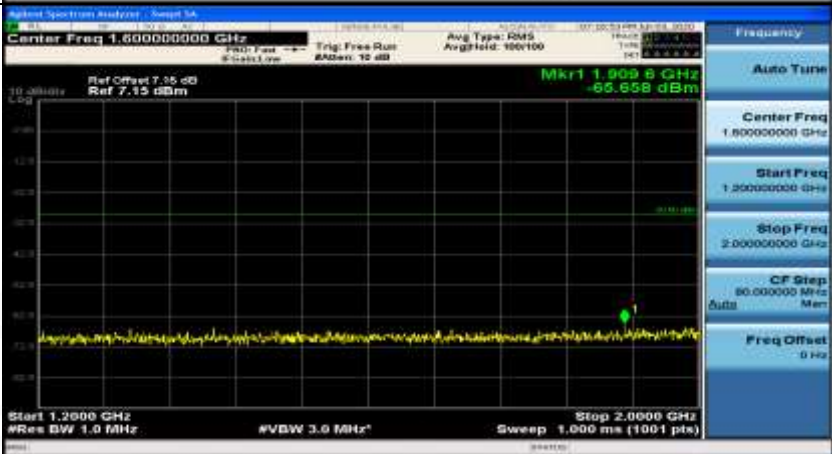
Co-existence	
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Co-existence	



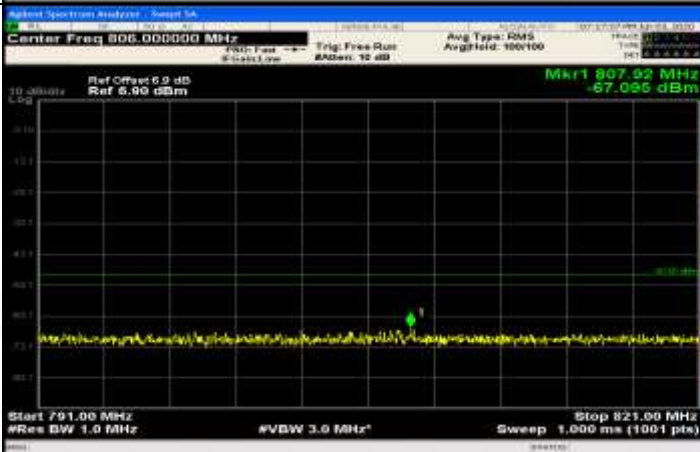
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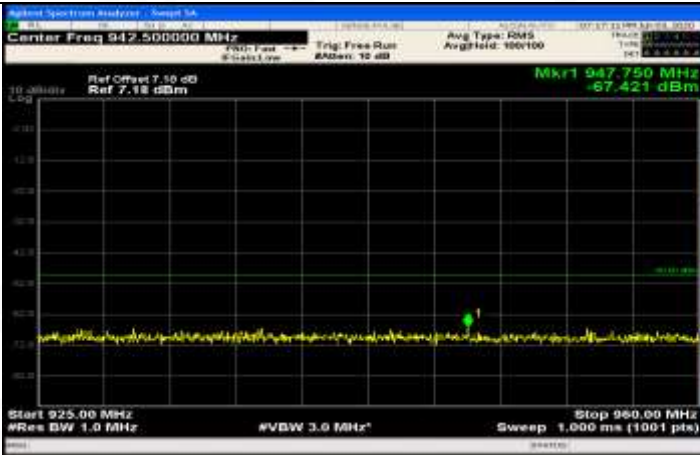
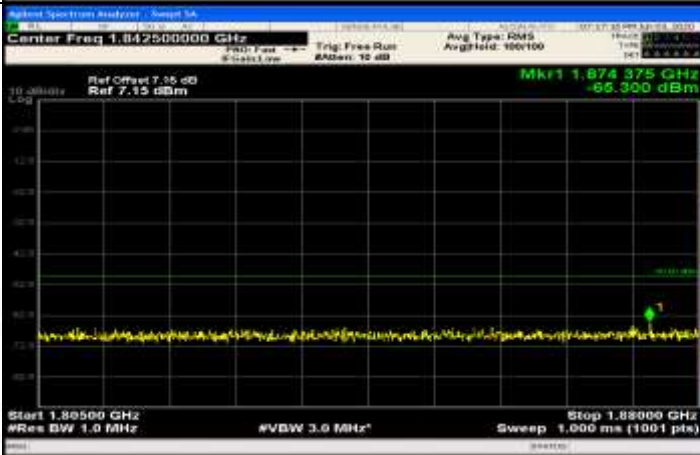

Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	

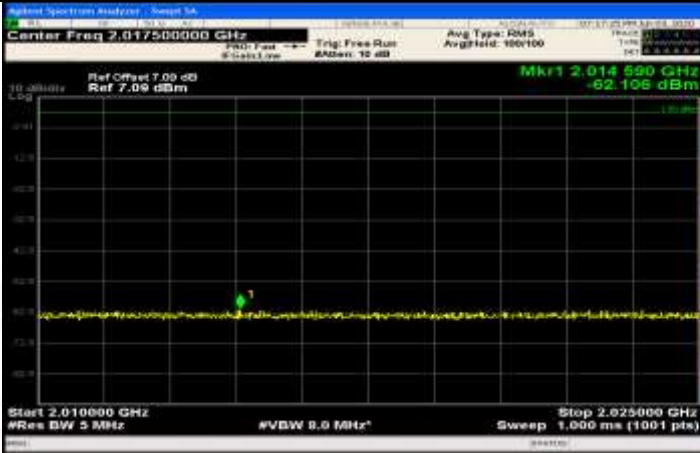
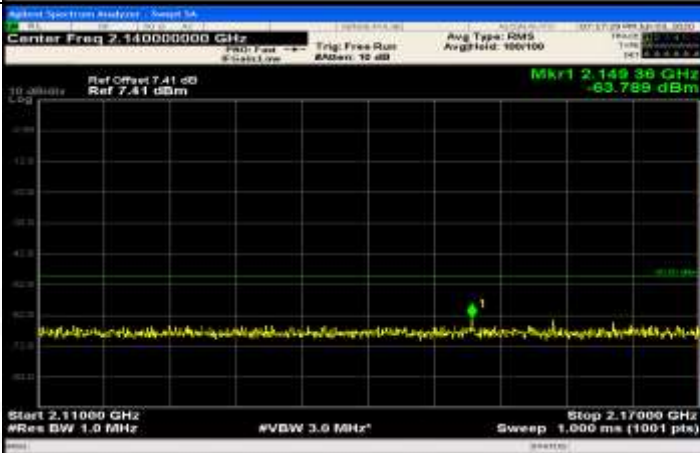
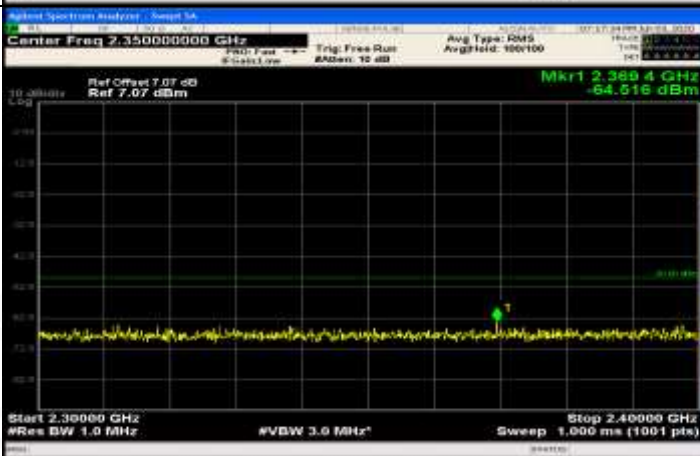


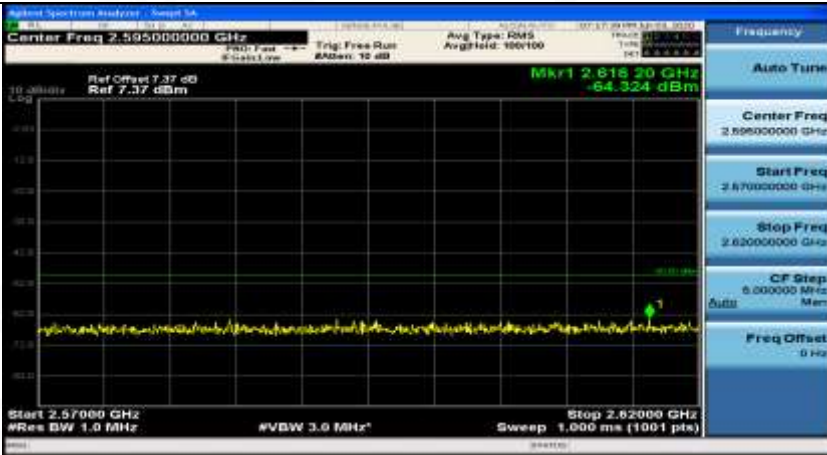
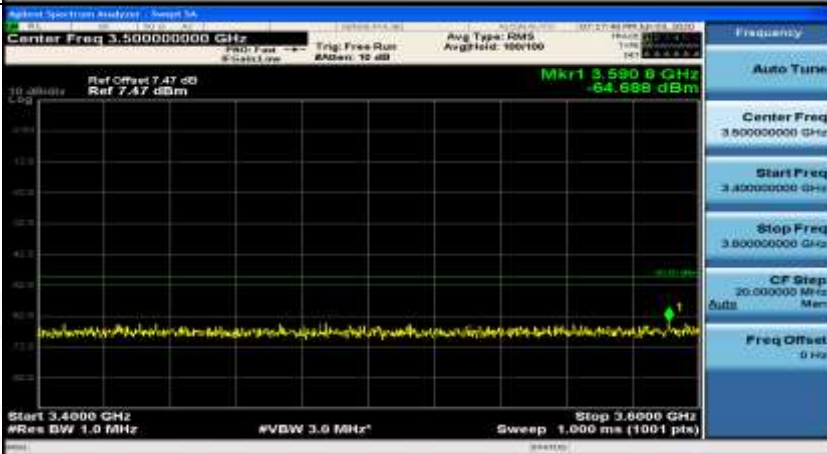
General	
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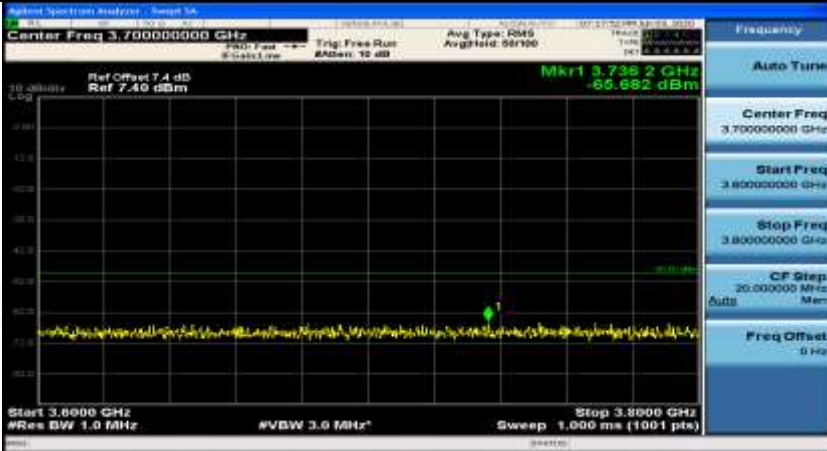
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

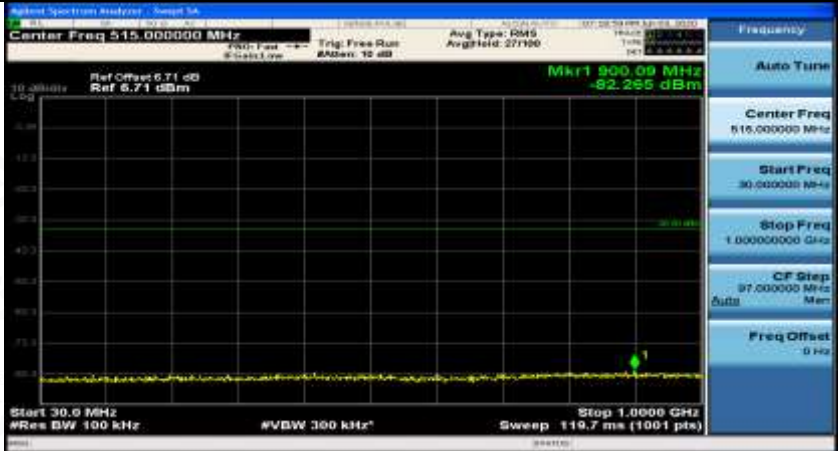


Co-existence	
Co-existence	
Co-existence	

Co-existence	
Additional	NA

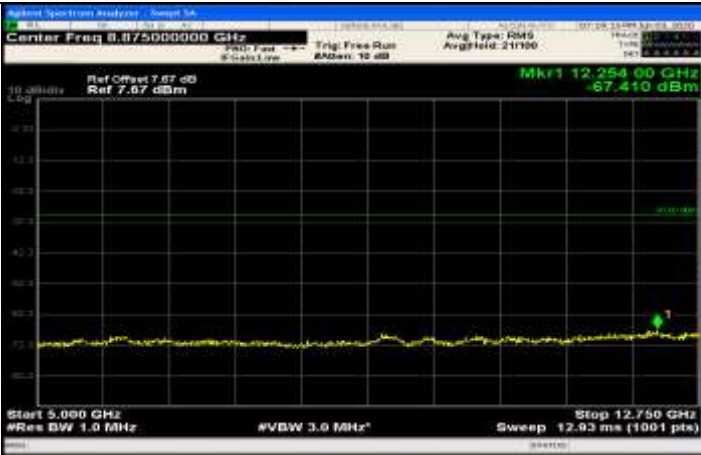
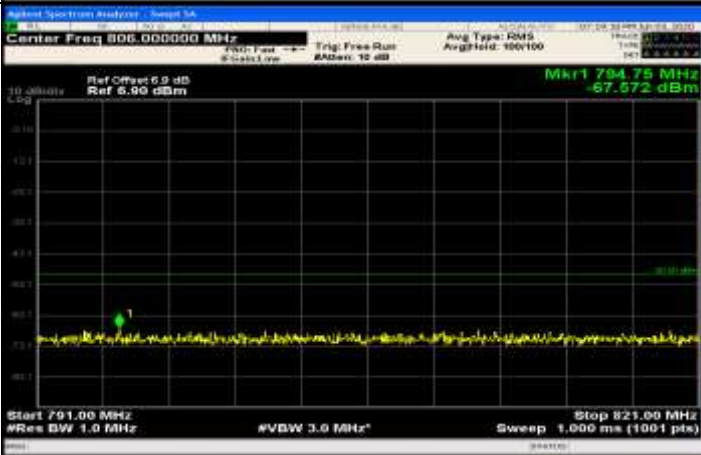
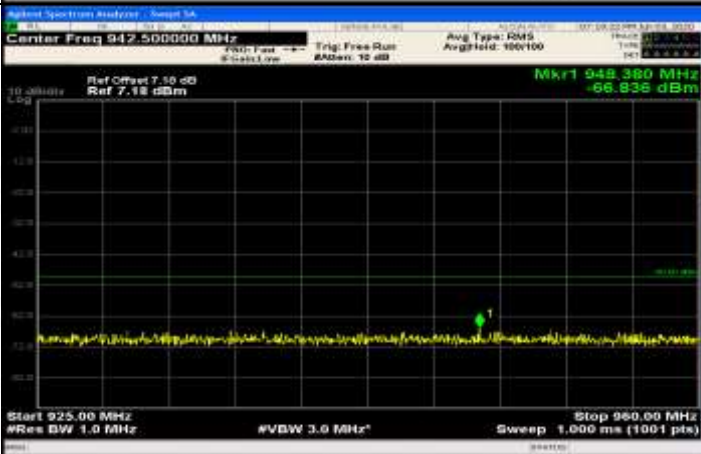
Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_FullRB#0

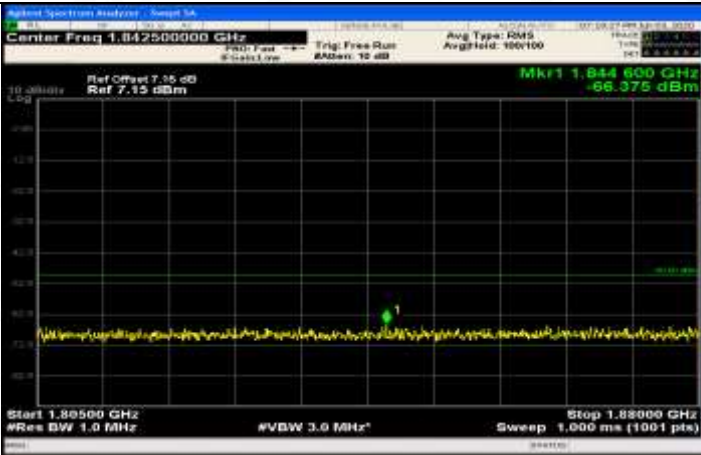
General	
General	



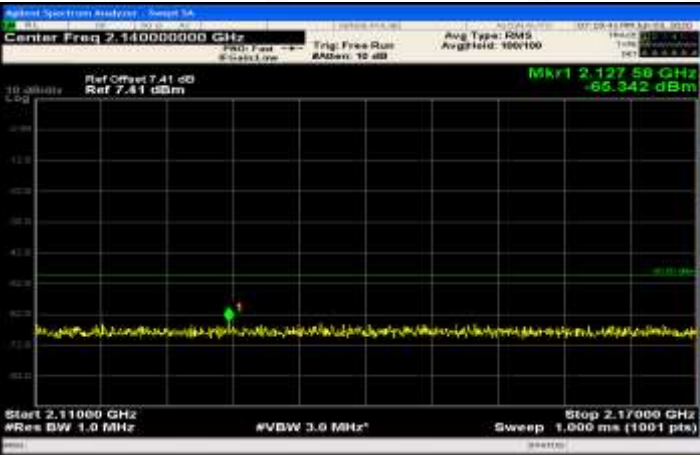
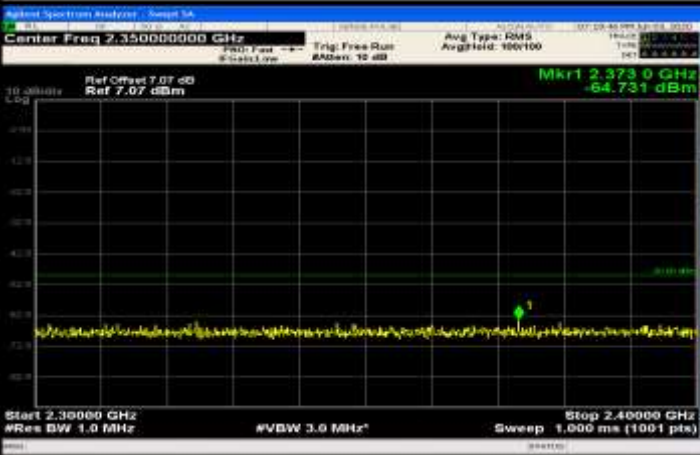
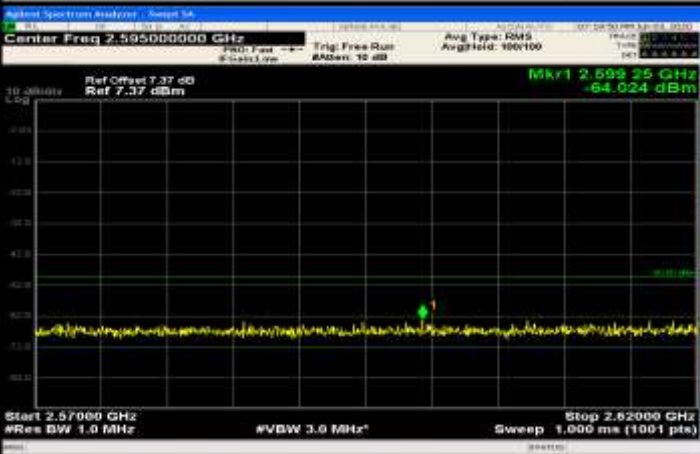
General	
General	
General	

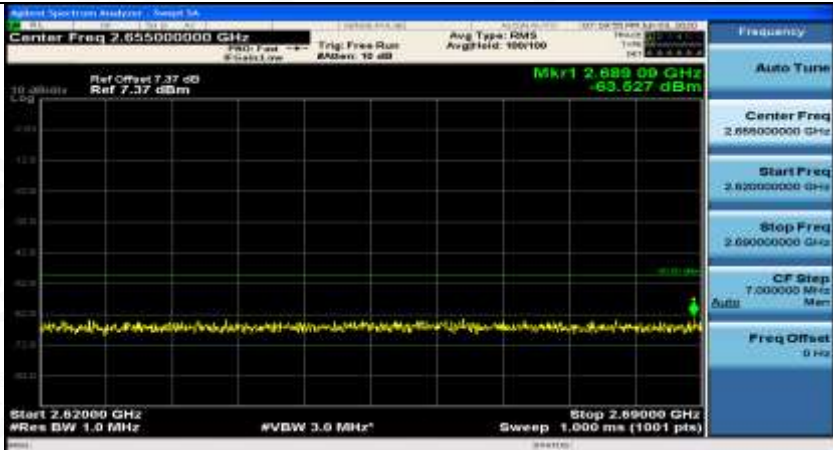
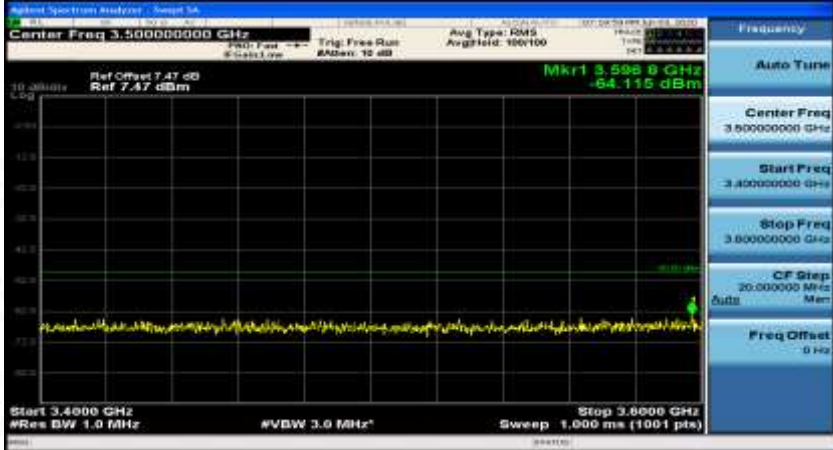
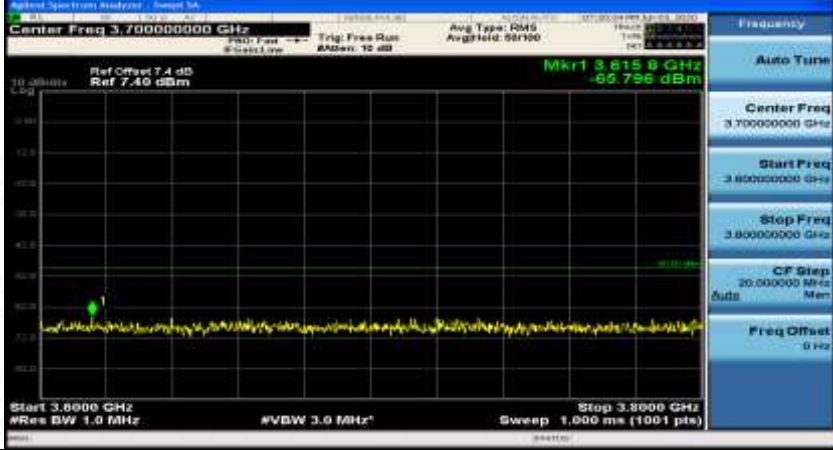


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 781.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 926.000000 MHz</p> <p>Stop Freq 959.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.90625000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.91250000 GHz</p> <p>CF Step 1.250000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>

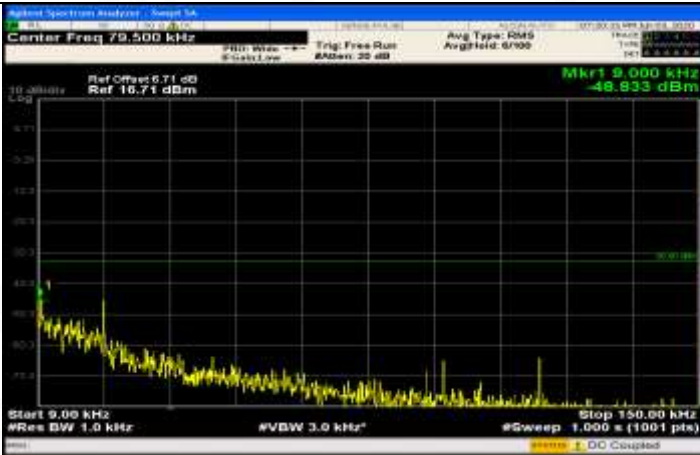
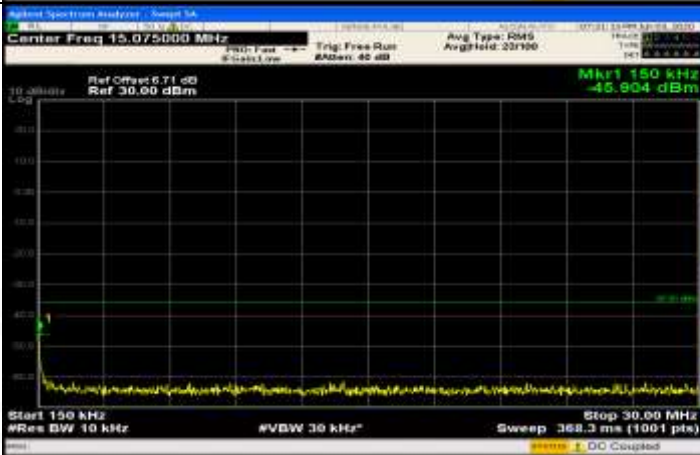
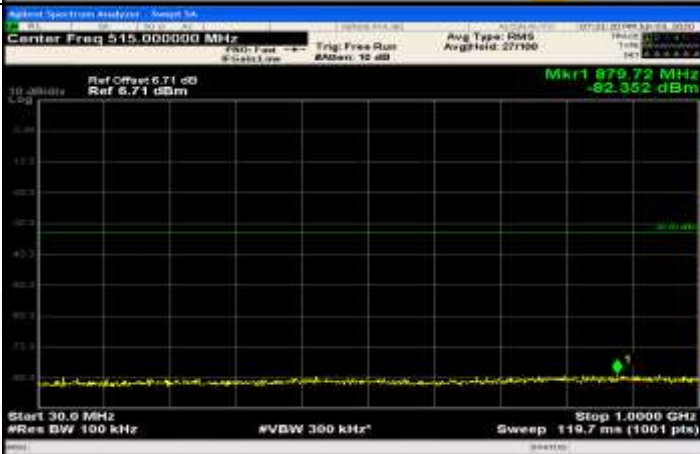


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59000000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>

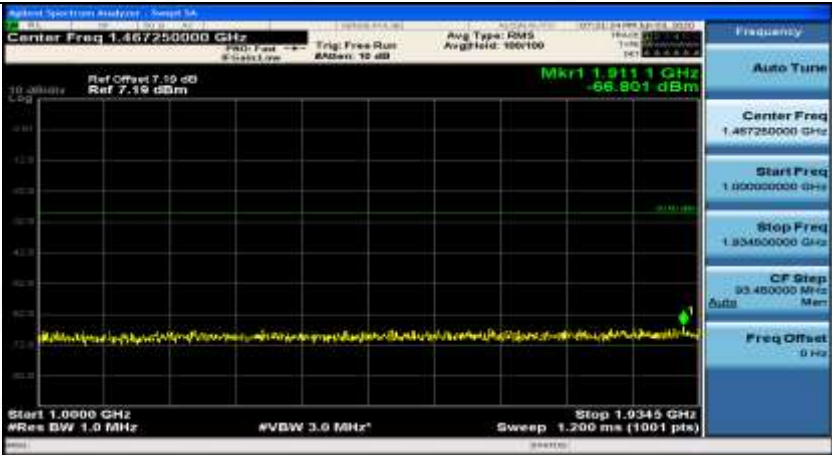


Co-existence	
Co-existence	
Co-existence	
Additional	NA

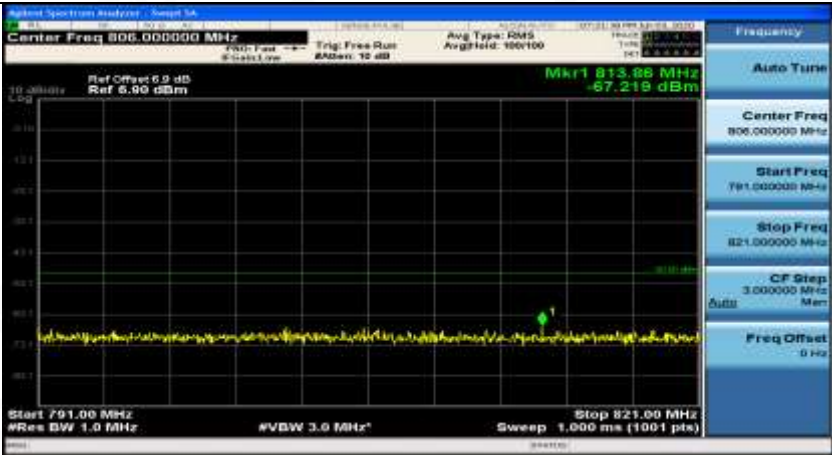
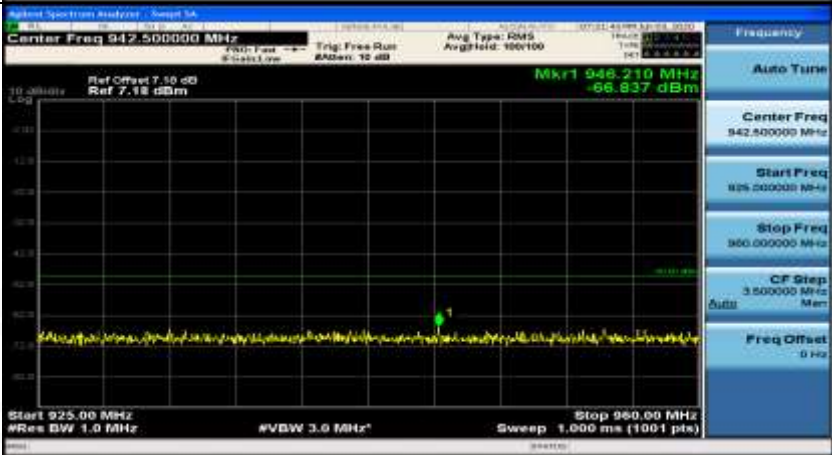
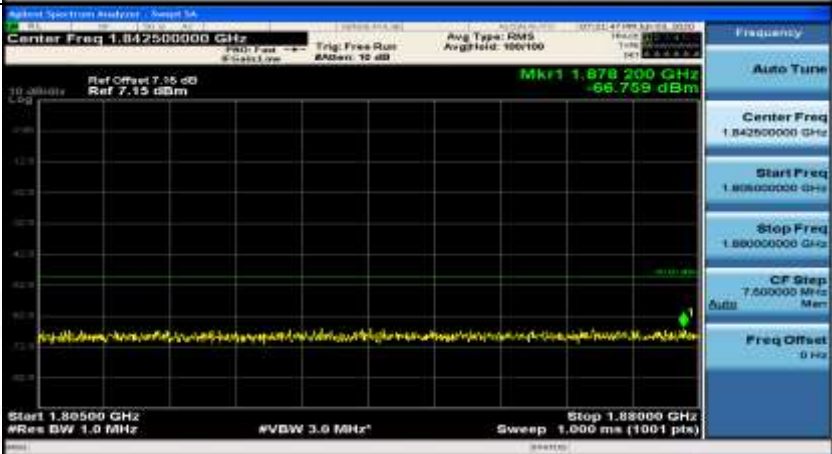
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0



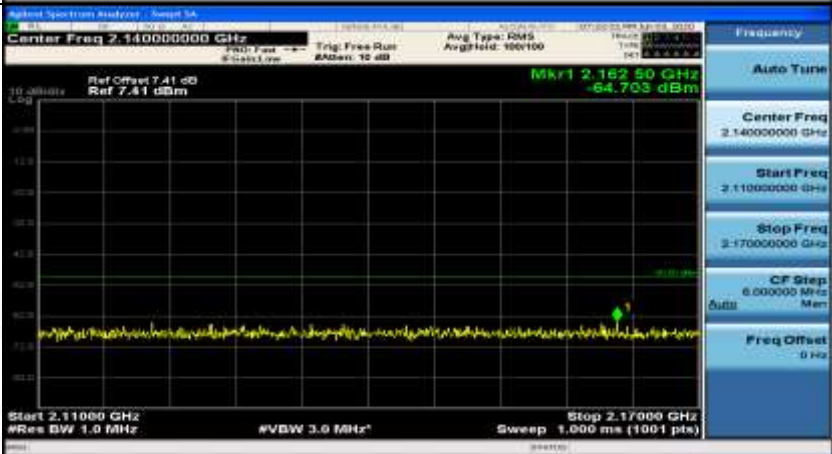


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 0.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

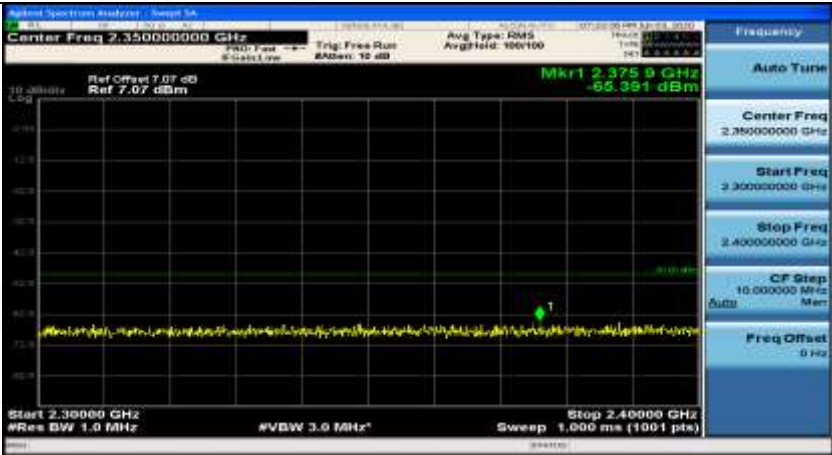
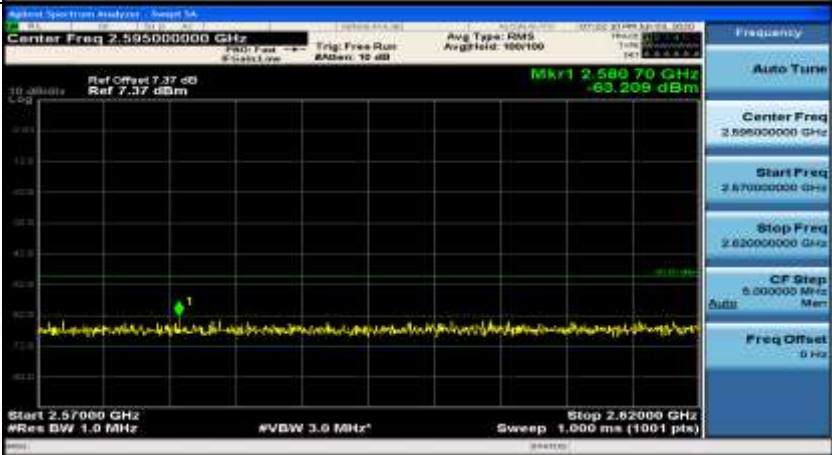
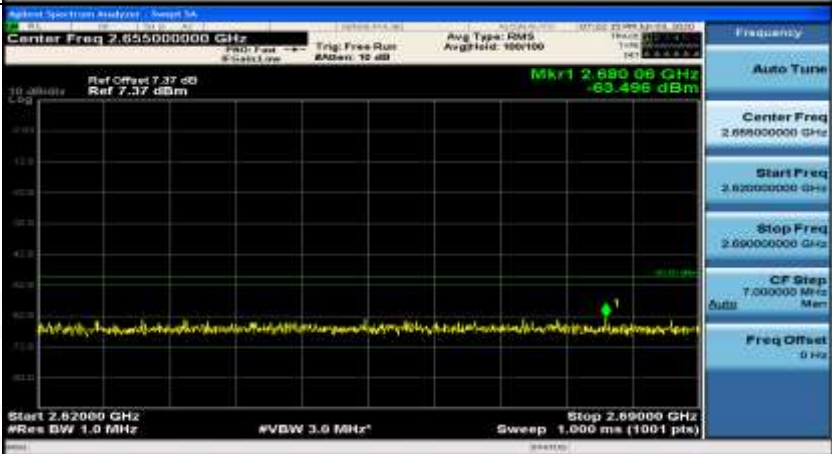


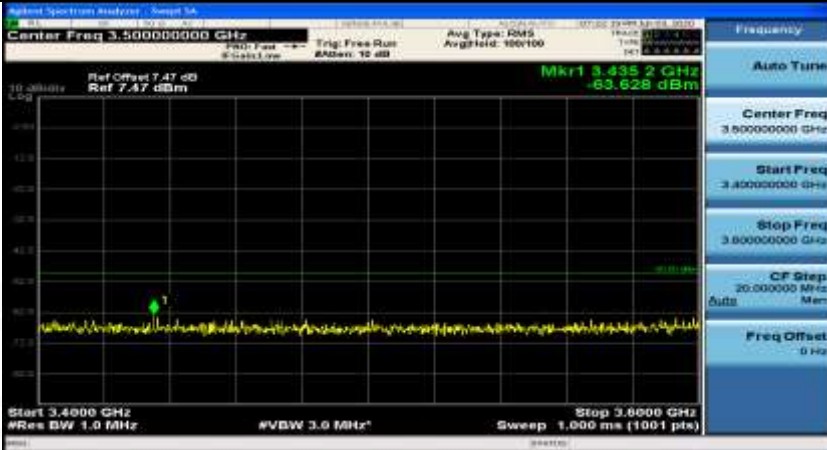
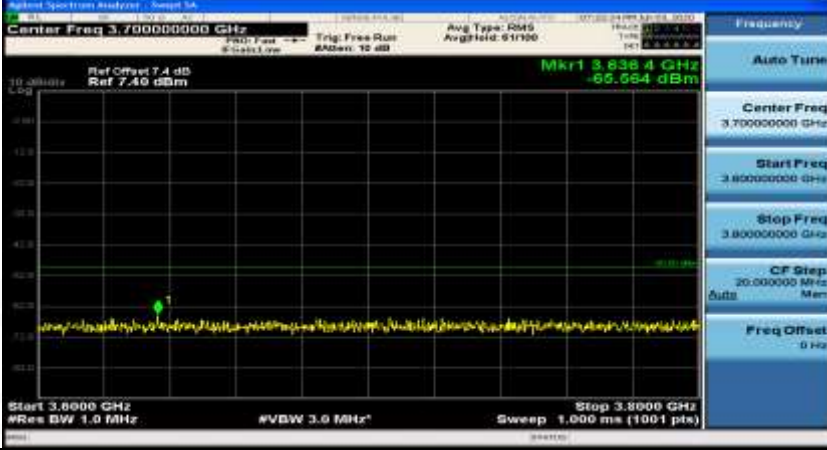
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 1.467250000 GHz</p> <p>Ref Offset 7.50 dB</p> <p>Ref 7.19 dBm</p> <p>Mkr1 1.9111 GHz</p> <p>-66.801 dBm</p> <p>Start 1.0000 GHz</p> <p>Stop 1.9345 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Sweep 1.200 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.467250000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.934500000 GHz</p> <p>CF Step 93.450000 MHz</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 3.502750000 GHz</p> <p>Ref Offset 7.00 dB</p> <p>Ref 7.09 dBm</p> <p>Mkr1 3.0326 GHz</p> <p>-69.139 dBm</p> <p>Start 2.006 GHz</p> <p>Stop 5.000 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Sweep 5.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.502750000 GHz</p> <p>Start Freq 2.006000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 299.400000 MHz</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 8.875000000 GHz</p> <p>Ref Offset 7.57 dB</p> <p>Ref 7.57 dBm</p> <p>Mkr1 12.05250 GHz</p> <p>-69.023 dBm</p> <p>Start 5.000 GHz</p> <p>Stop 12.750 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Sweep 12.93 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 5.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.000000 MHz</p> <p>Freq Offset 0 Hz</p>


Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 813.88 MHz -67.219 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 821.00 MHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 942.500000 MHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 948.210 MHz -68.837 dBm Start 925.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 950.00 MHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.84250000 GHz Ref Offset 7.35 dB Ref 7.15 dBm Mkr1 1.878200 GHz -68.759 dBm Start 1.80500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.88000 GHz Sweep 1.000 ms (1001 pts)</p>


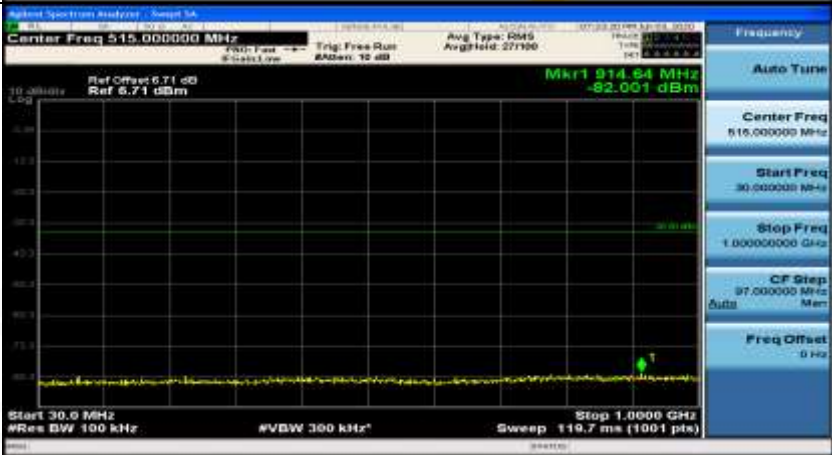
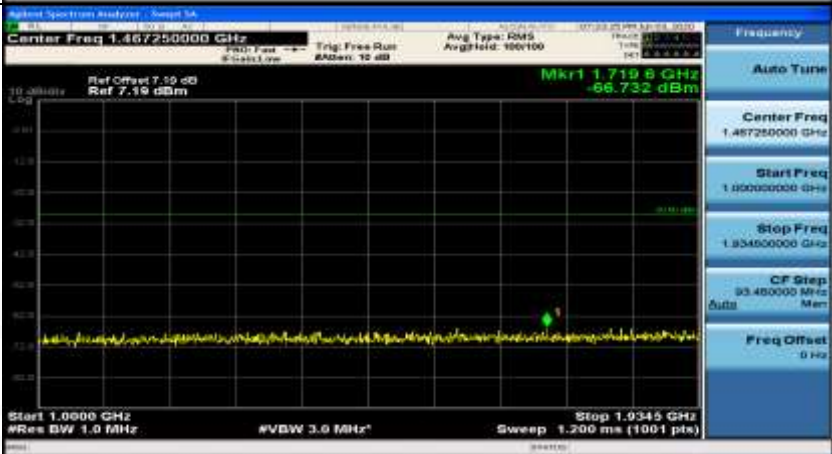
Co-existence	
Co-existence	
Co-existence	



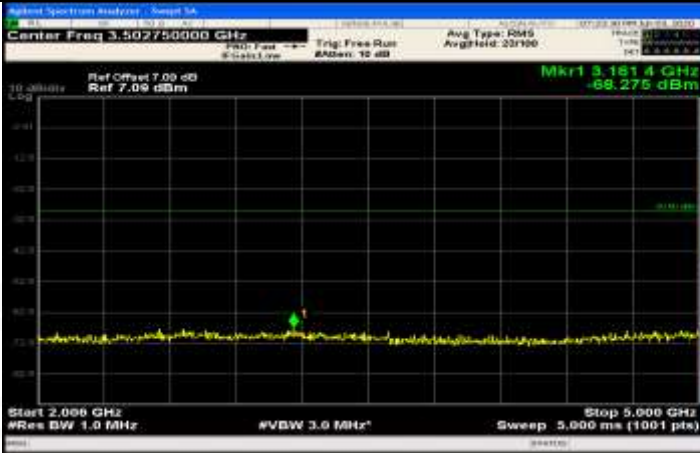

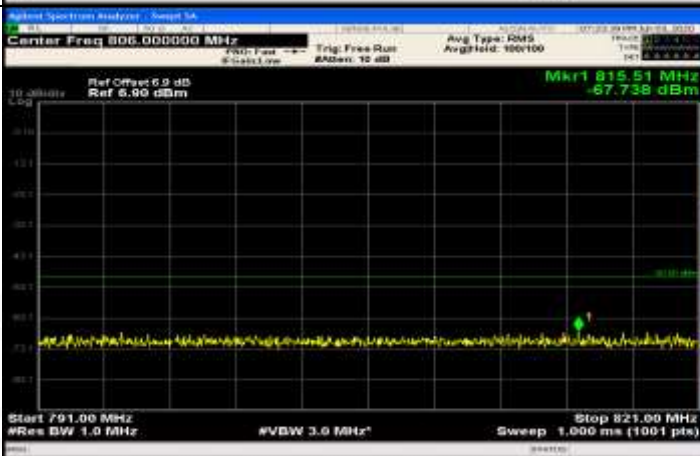
Co-existence	
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Co-existence	

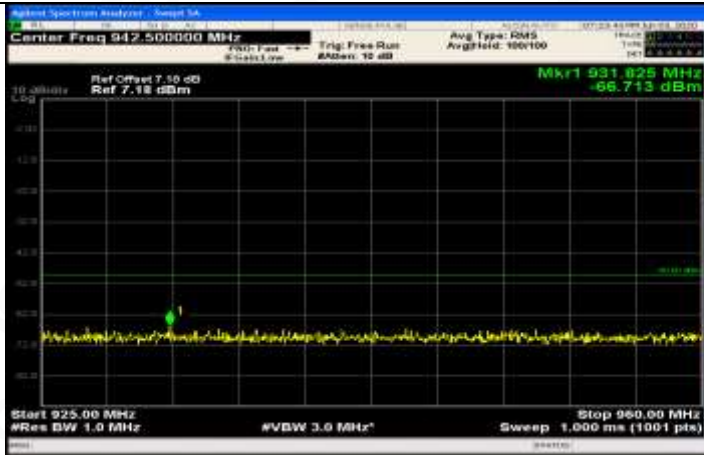
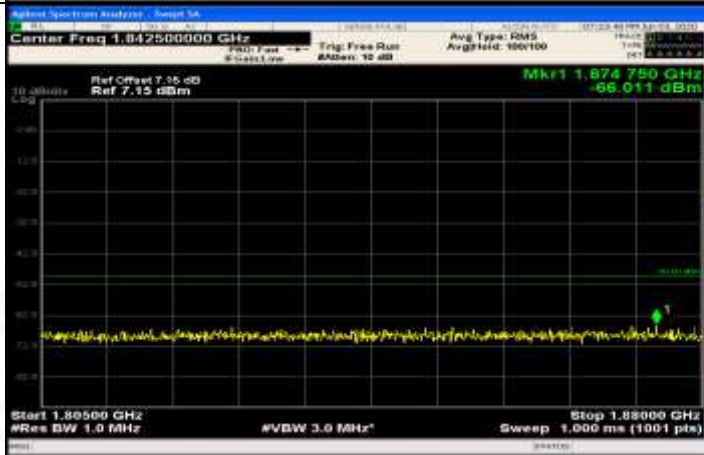
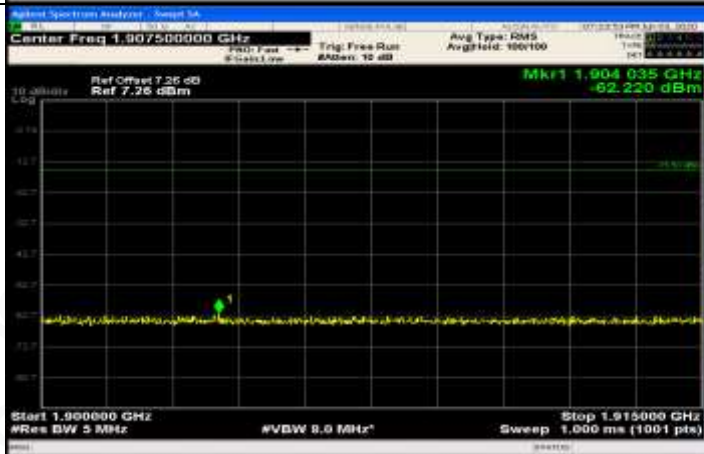
Co-existence	
Co-existence	
Additional	NA

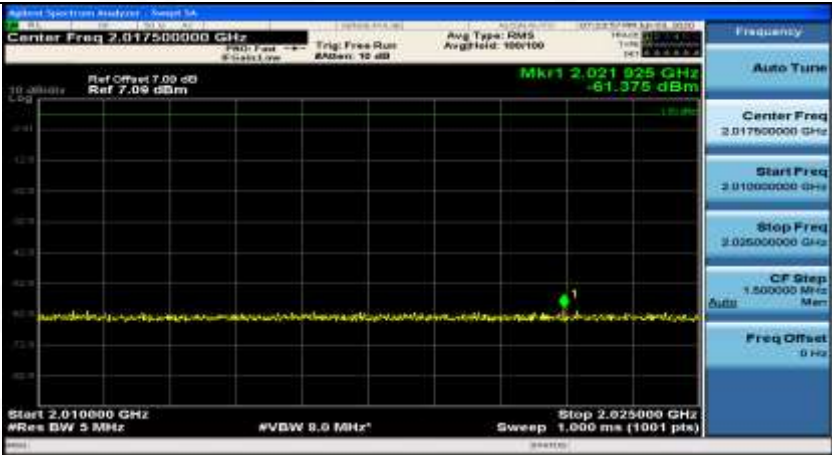
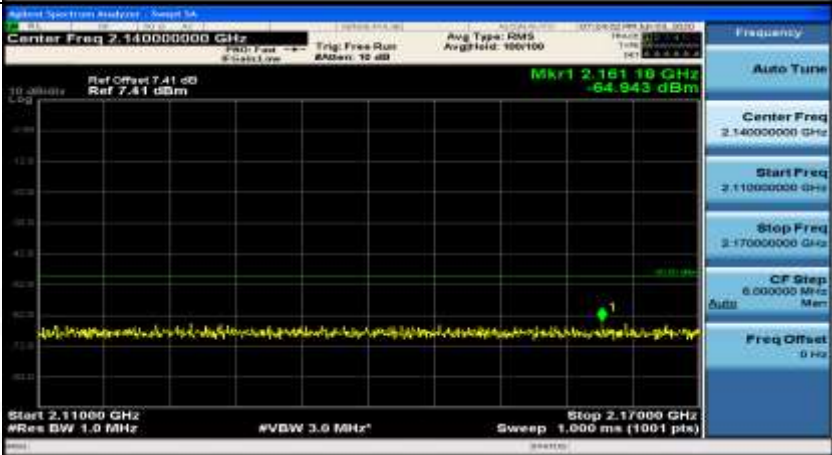
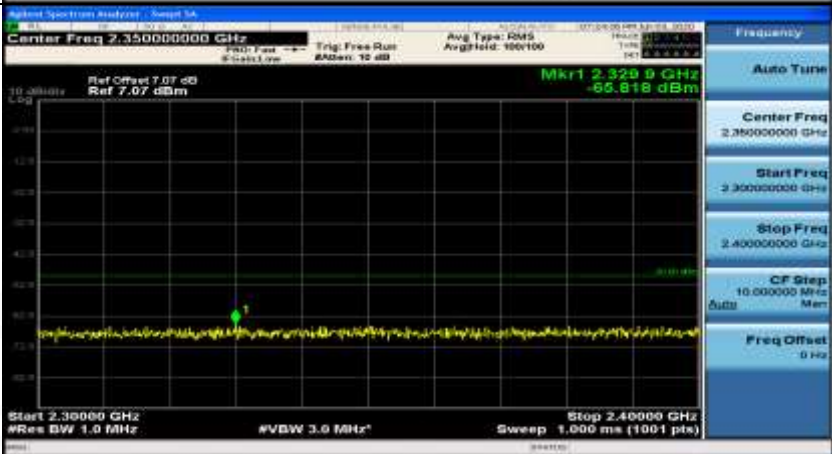
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -46.777 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts) #VBW 30 kHz Sweep 1 DC Coupled</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 8.71 dBm Mkr1 914.84 MHz -82.001 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts) #VBW 300 kHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.46725000 GHz Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 1.719 8 GHz -66.732 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.9345 GHz Sweep 1.200 ms (1001 pts) #VBW 3.0 MHz Sweep 1.200 ms (1001 pts)</p>

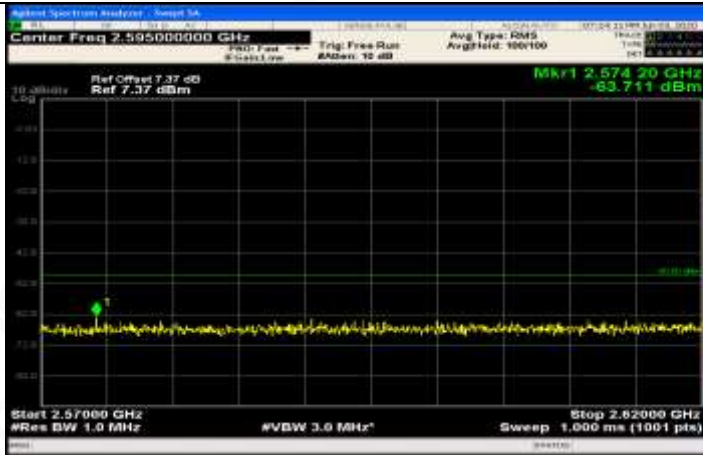
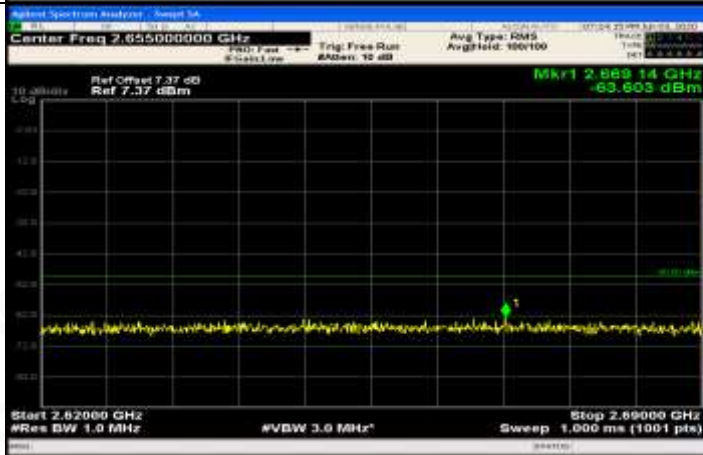
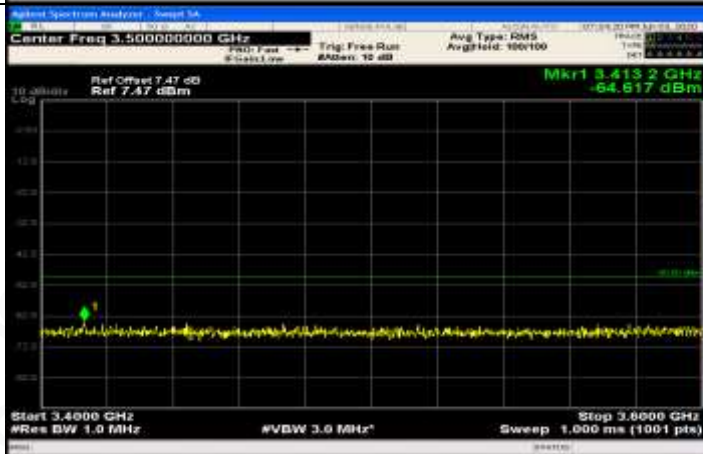


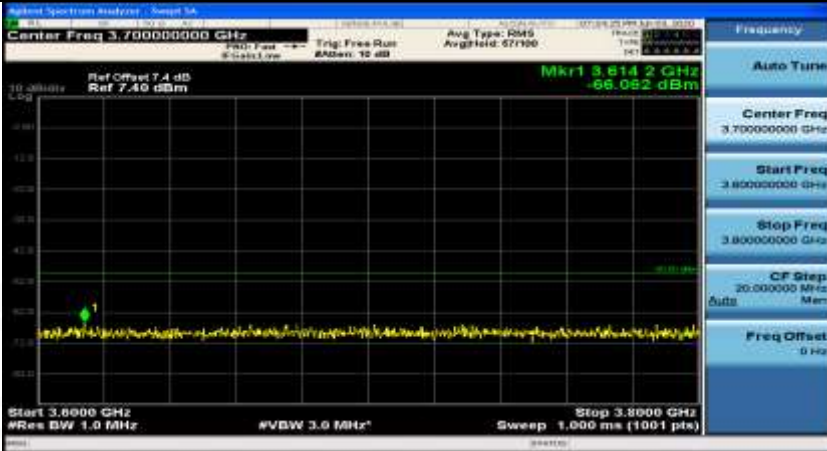
General	
General	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.90750000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.91500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	



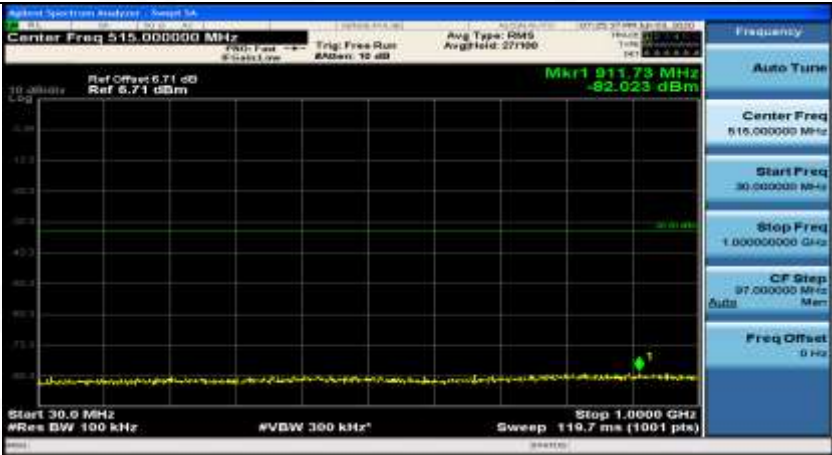
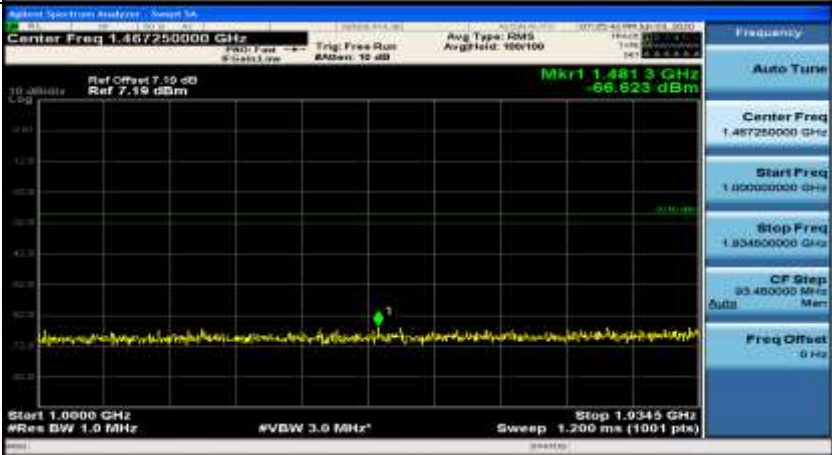

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65000000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.40000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Additional	NA


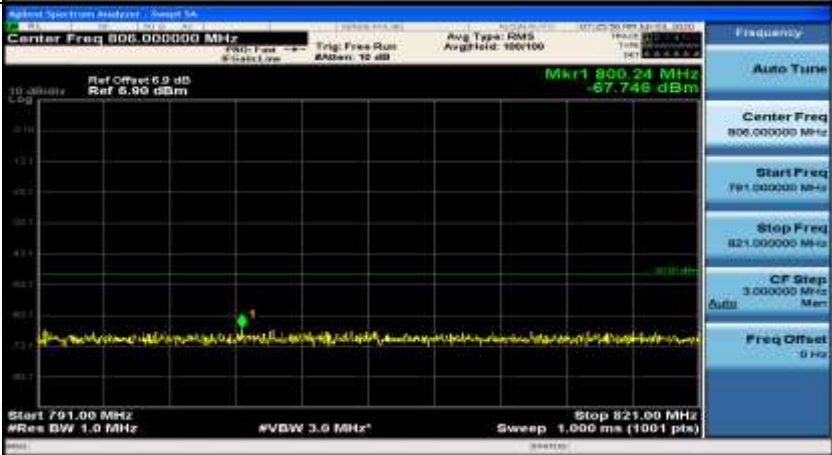
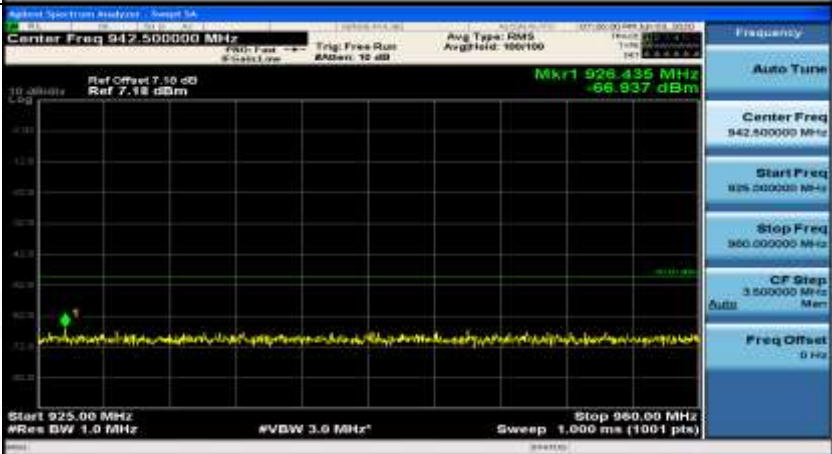
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_FullIRB#0

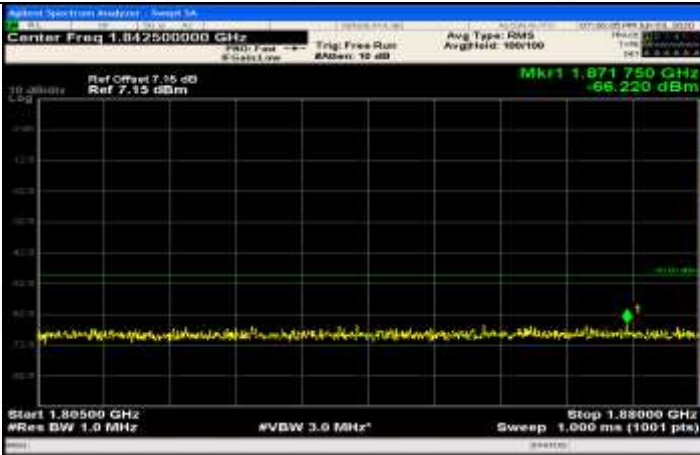
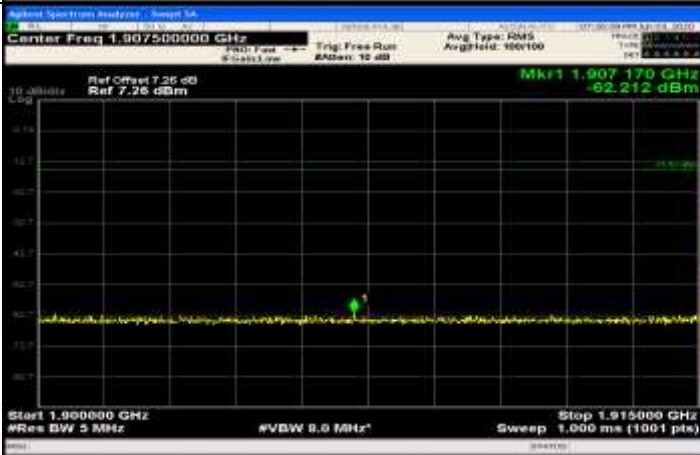
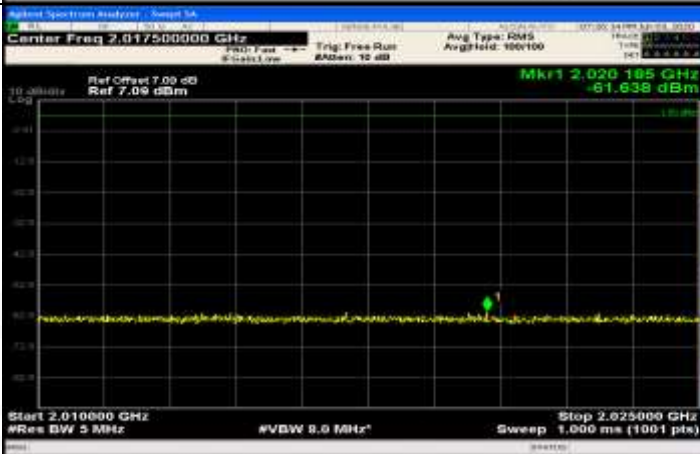
General	
General	

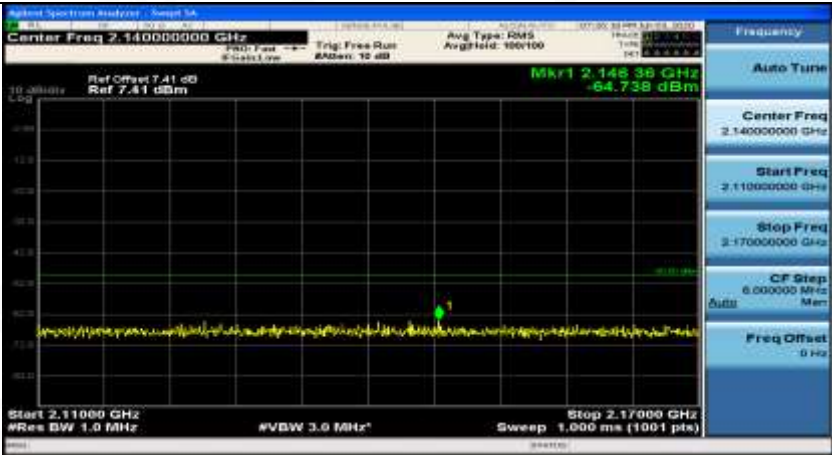
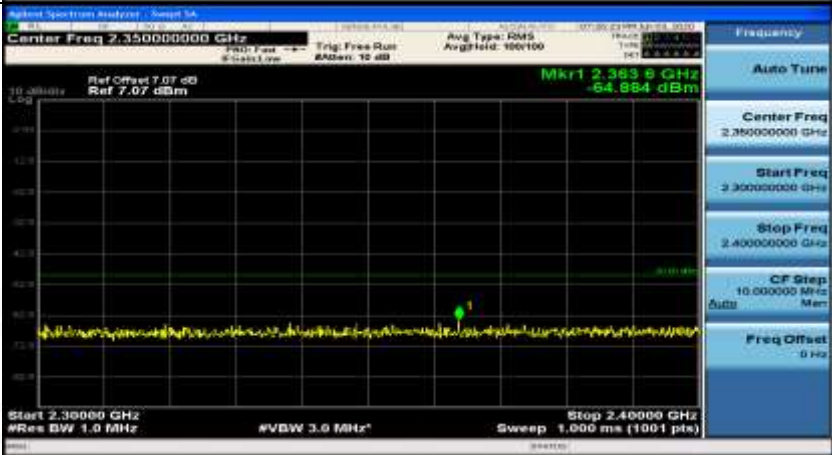
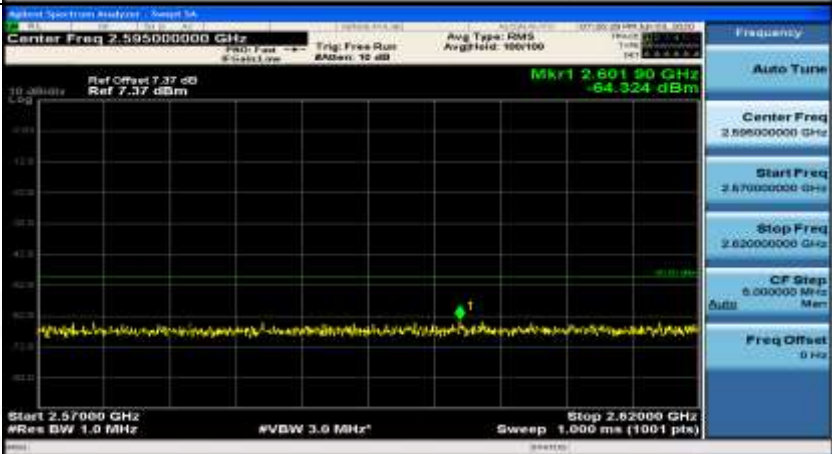


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 911.73 MHz -82.023 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.46725000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 1.4813 GHz -69.623 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.9345 GHz Sweep 1.200 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.50275000 GHz Ref Offset 7.09 dB Ref 7.09 dBm Mkr1 3.2572 GHz -69.623 dBm Start 2.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.000 ms (1001 pts)</p>

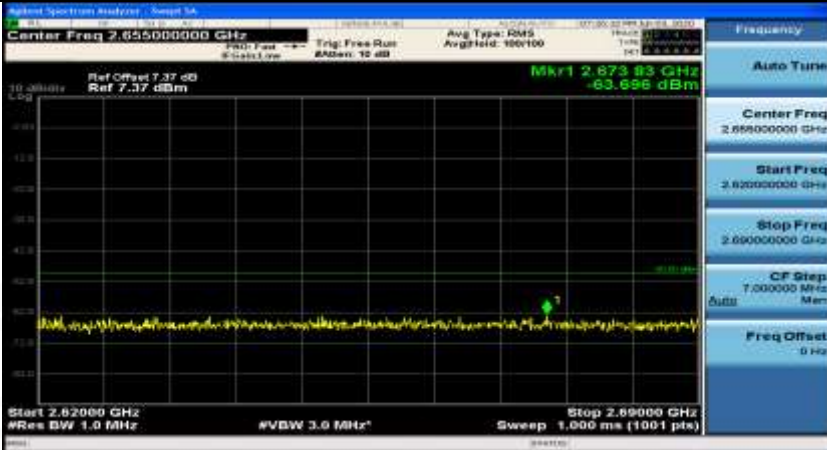
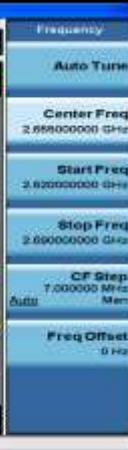

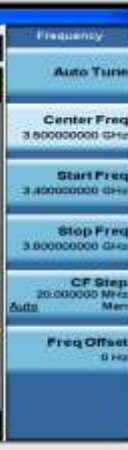
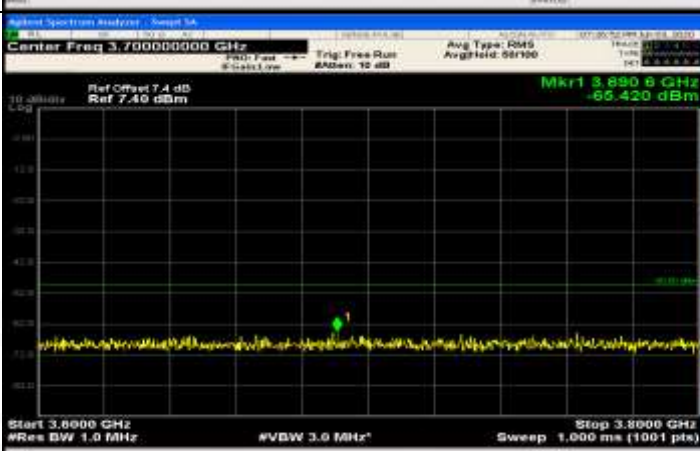



General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



Co-existence		
Co-existence		
Co-existence		
Additional	NA	

## 6. Receiver Spurious Emissions

### Test Result

NTNV



Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_0RB#0	
LCH	
LCH	



Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_0RB#0

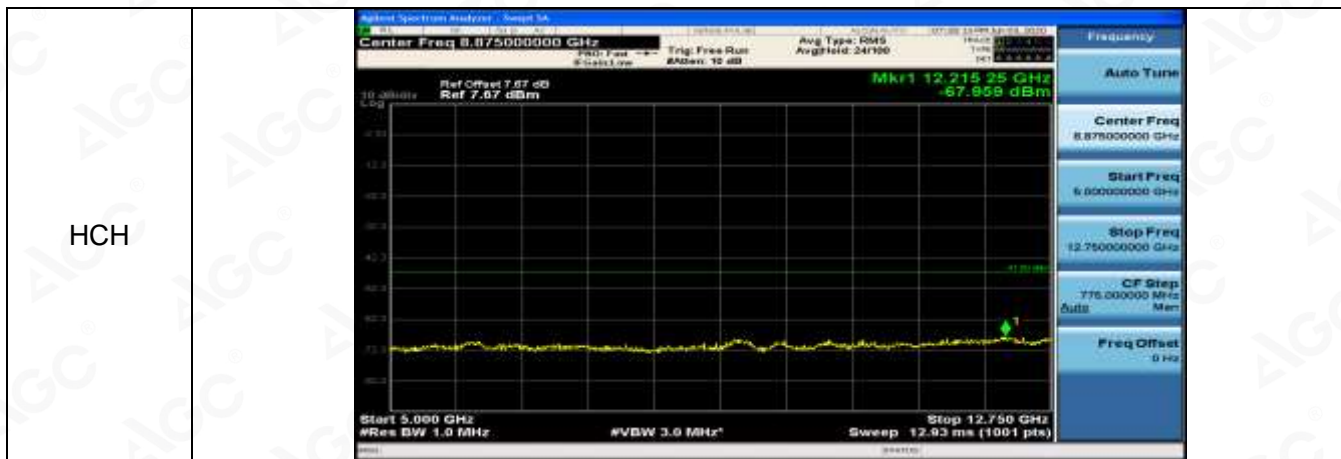






Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_ORB#0





## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				





## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				





## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 1			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	Pass					



## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 1 LTLV) of fellow LTLV

	Test Band			Band 1			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TL,VL	5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
	Verdict	Pass					



## 12. Radiated spurious emissions - MS in idle mode

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-66.23	-66.58	-66.31
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-69.53	-69.49	-69.55
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-56.93	-56.84	-56.74





## Appendix B for Band 3

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 3 TNVN) of fellow:

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.53	Pass
					max	23.22	Pass
				Partial	0	23.28	Pass
					max	23.22	Pass
			Mid range	1	0	23.83	Pass
					max	23.77	Pass
				Partial	0	23.85	Pass
					max	23.83	Pass
			High range	1	0	23.50	Pass
					max	23.27	Pass
				Partial	0	23.36	Pass
					max	23.30	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	1	0	23.42	Pass
					max	23.24	Pass
				Partial	0	22.92	Pass
					max	22.72	Pass
			Mid range	1	0	23.75	Pass
					max	23.37	Pass
				Partial	0	23.57	Pass
					max	23.33	Pass
			High range	1	0	23.71	Pass
					max	23.17	Pass
				Partial	0	23.37	Pass
					max	22.97	Pass



### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.92	Pass
					max	23.52	Pass
				Partial	0	22.83	Pass
					max	23.25	Pass
			Mid range	1	0	24.58	Pass
					max	23.65	Pass
				Partial	0	24.36	Pass
					max	23.28	Pass
			High range	1	0	24.34	Pass
					max	22.98	Pass
				Partial	0	24.26	Pass
					max	22.95	Pass



## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 3 TENV) of fellow:

### Test Result

TENV

#### Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-47.34	Pass
			Mid range	Full	0	-48.94	Pass
			High range	Full	0	-48.72	Pass

#### Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-50.14	Pass
			Mid range	Full	0	-48.86	Pass
			High range	Full	0	-48.67	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20MHz	Low range	Full	0	-49.65	Pass
			Mid range	Full	0	-48.64	Pass
			High range	Full	0	-48.50	Pass





### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass



					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

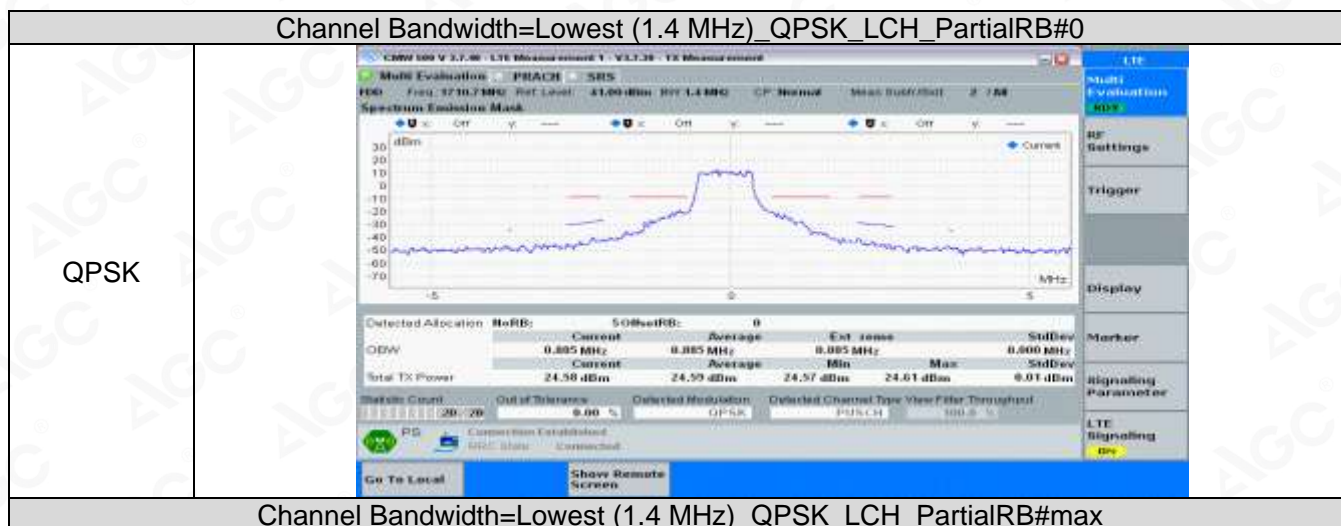


			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

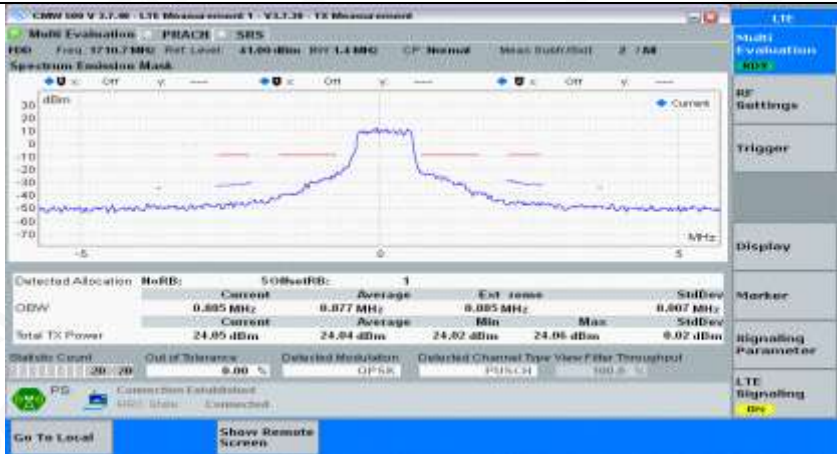
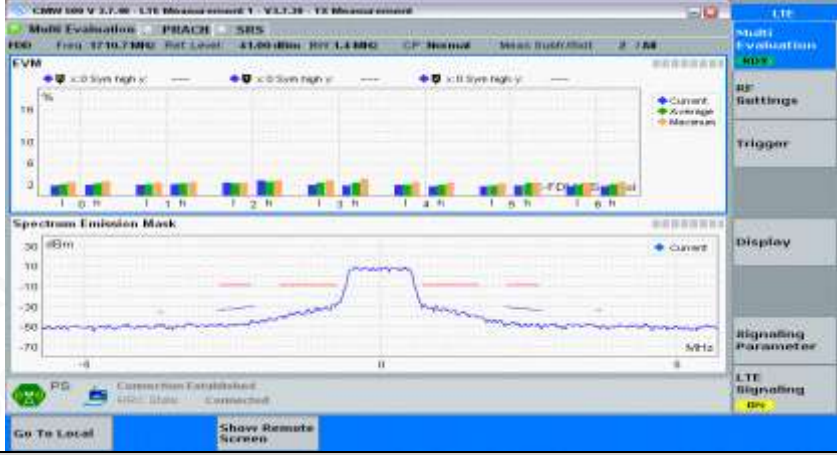

## Test Graphs


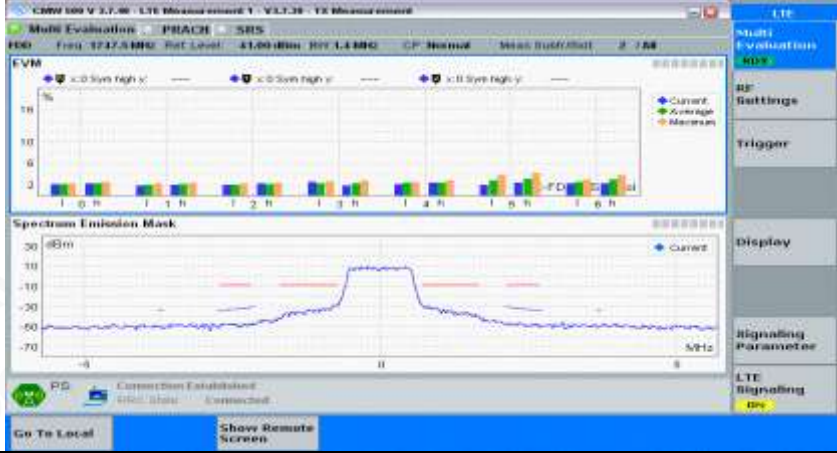
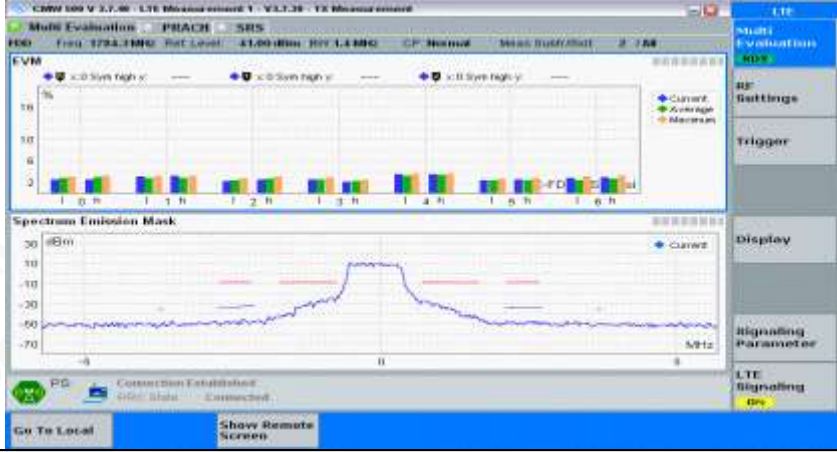
NTNV

Channel Bandwidth=Lowest (1.4 MHz)

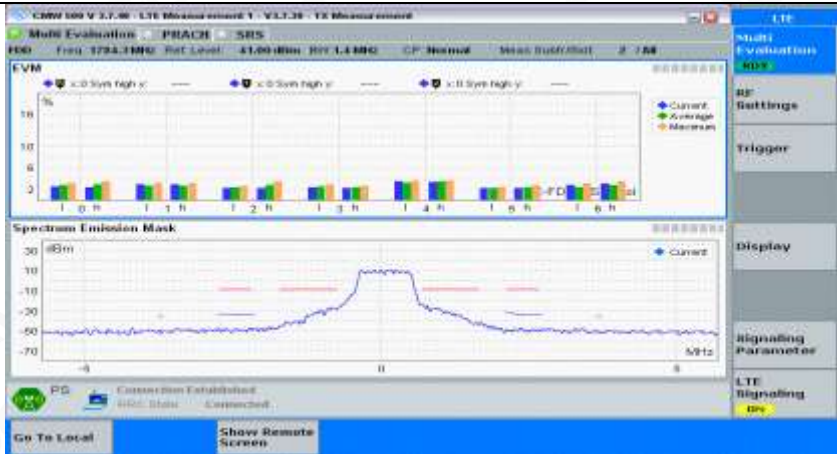
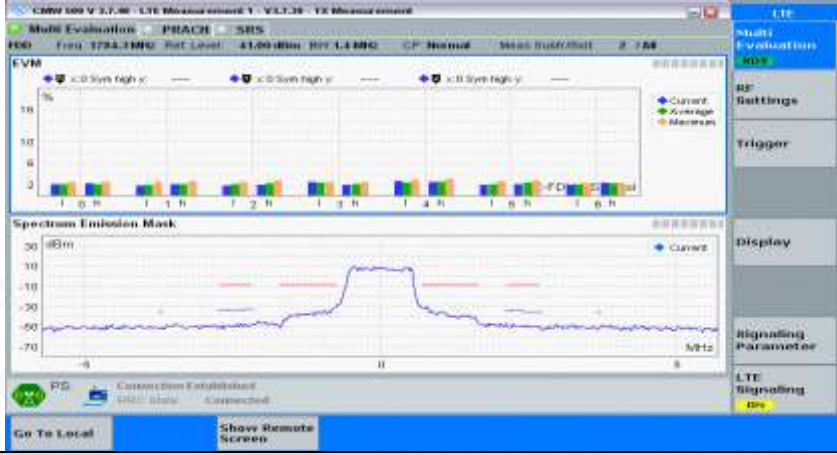
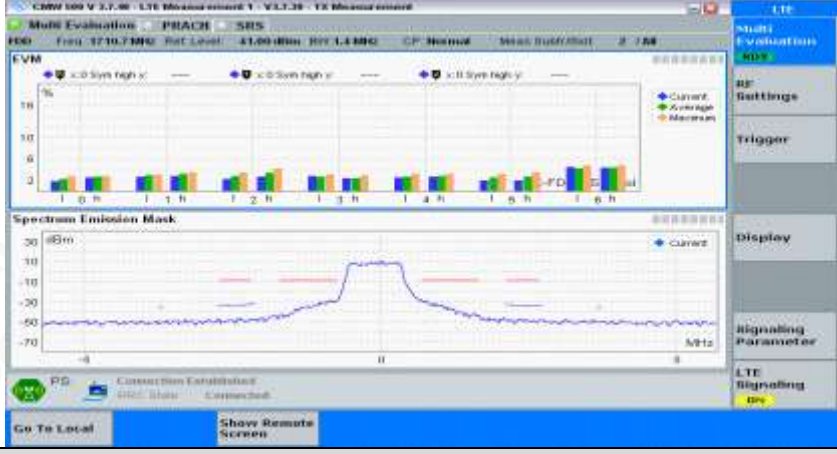




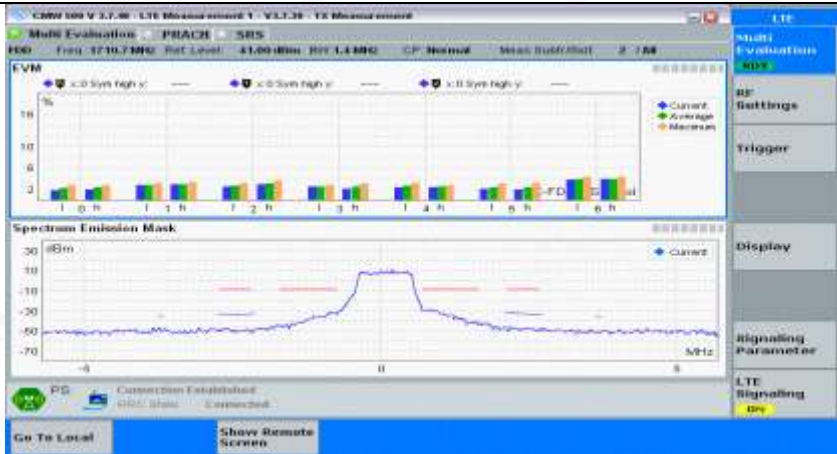
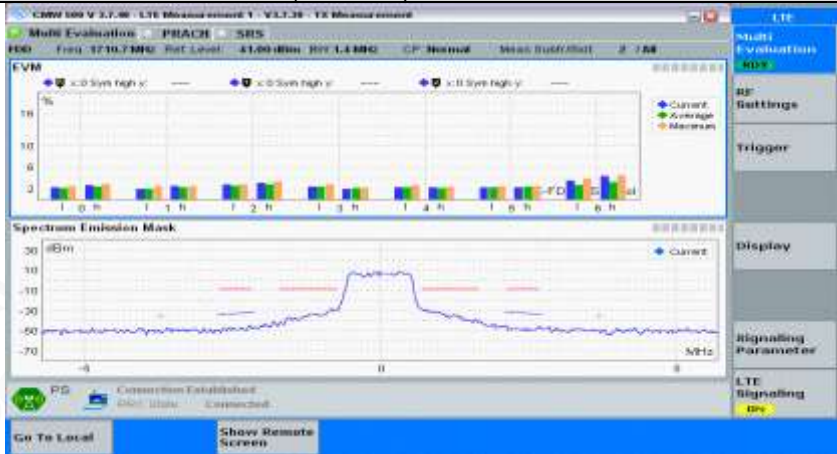
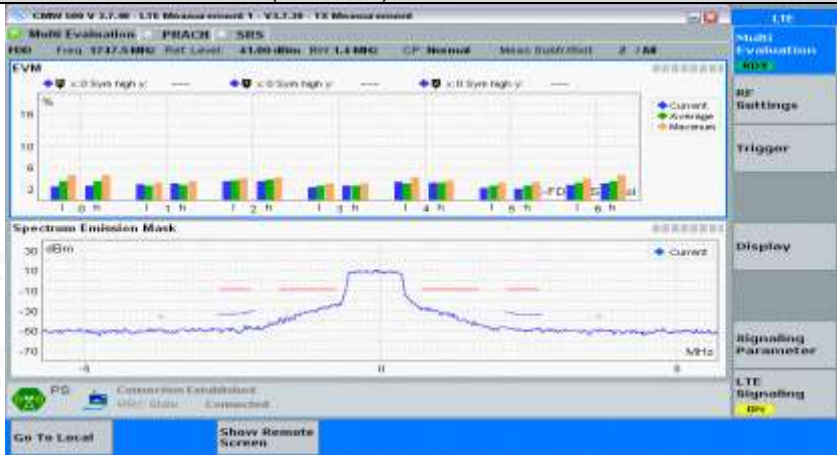
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	

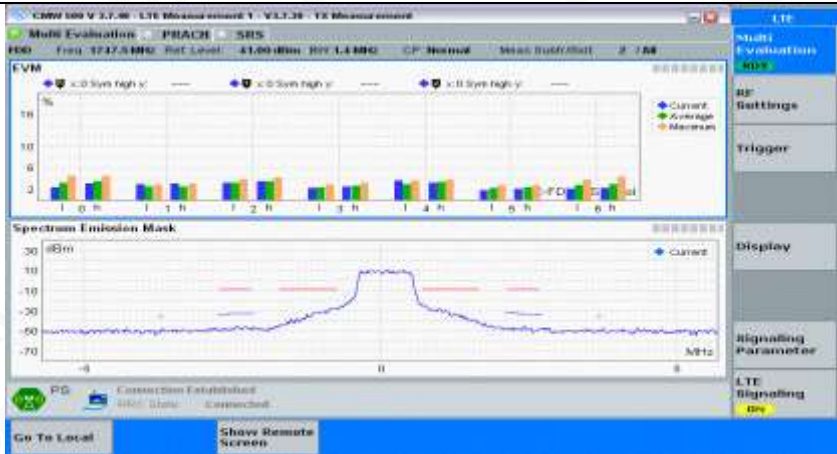
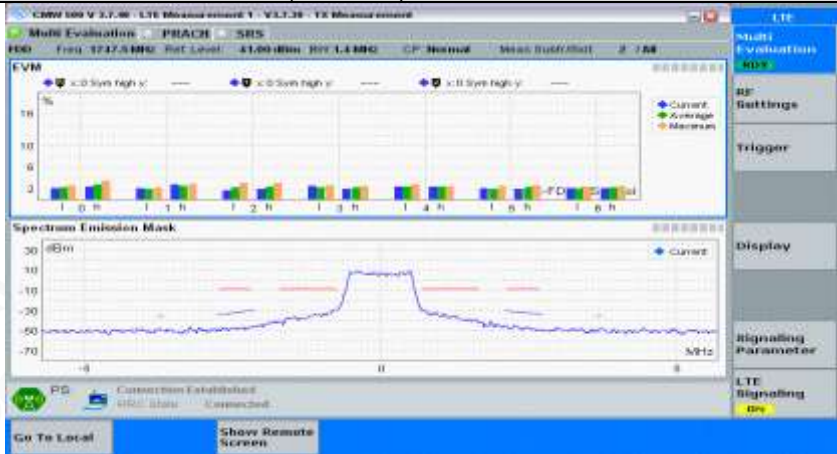
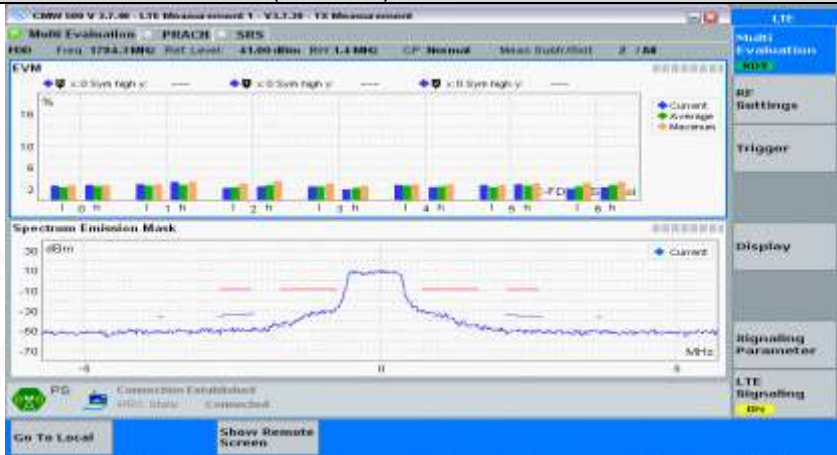
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max	



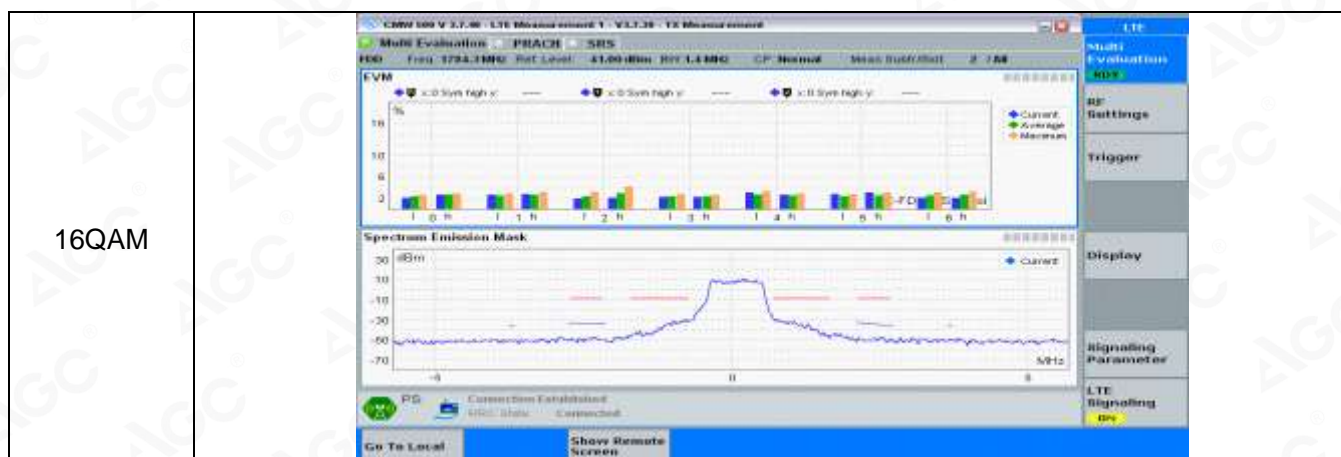
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	



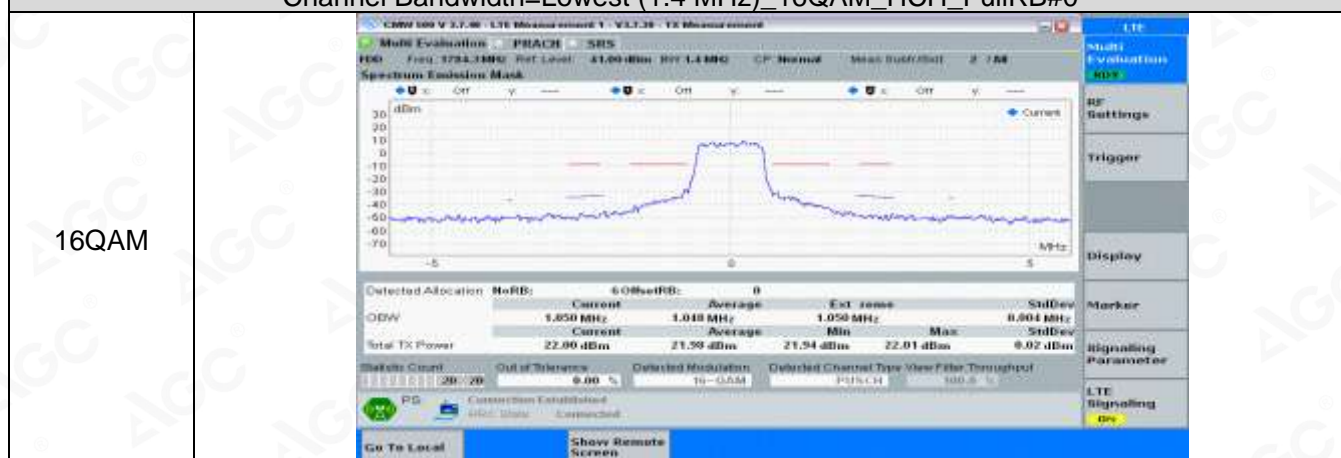
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max	

16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max	



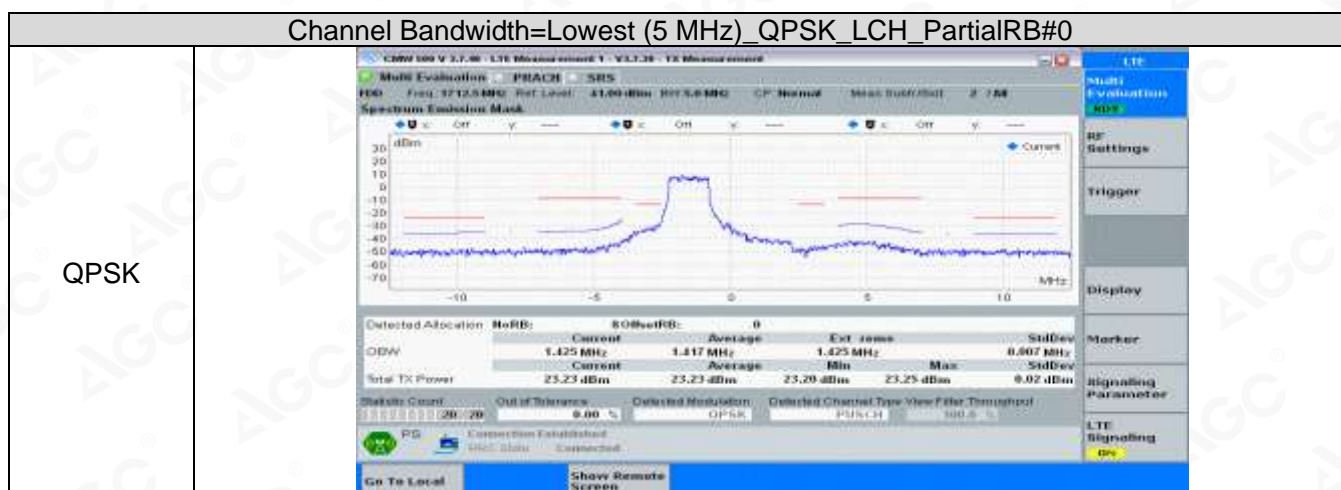


Channel Bandwidth=Lowest (1.4 MHz)\_16QAM\_HCH\_FullRB#0



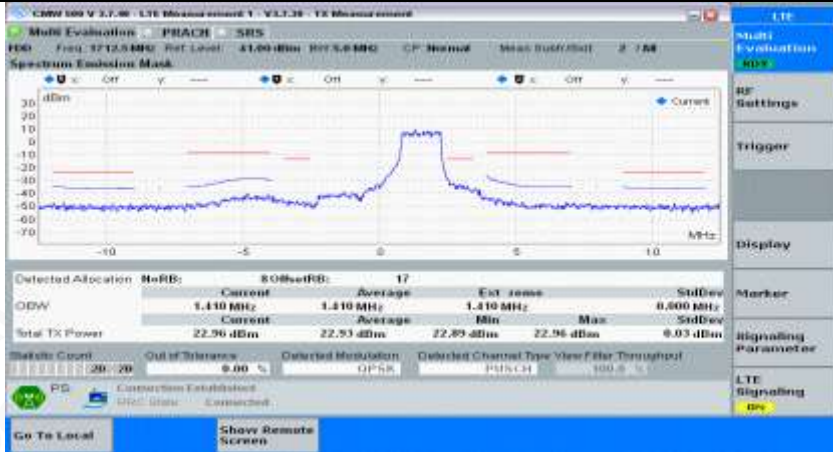
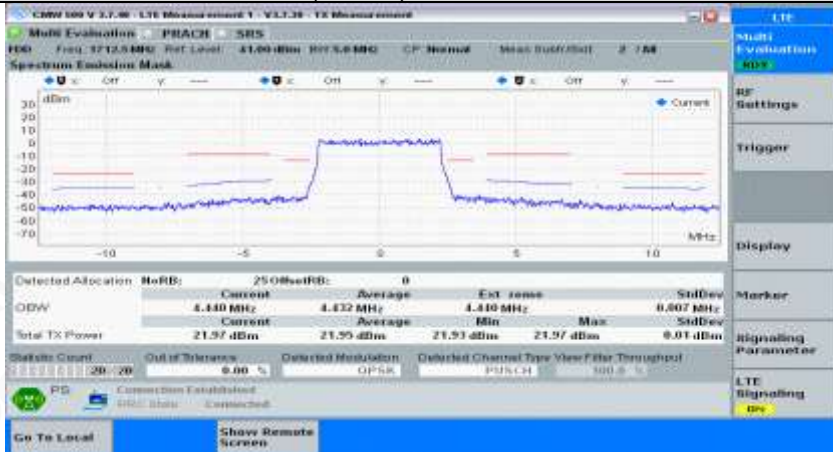
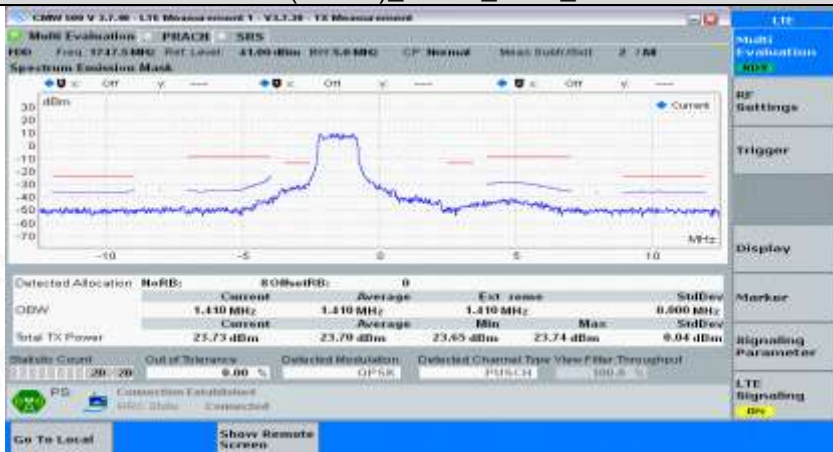
Channel Bandwidth= (5 MHz)

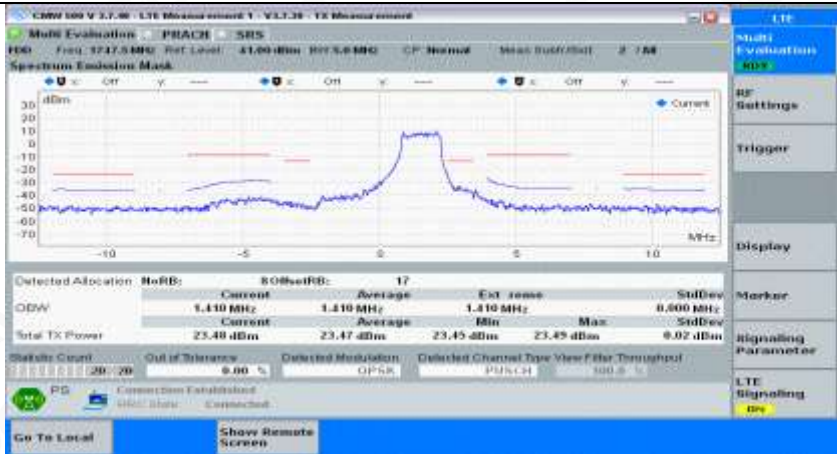
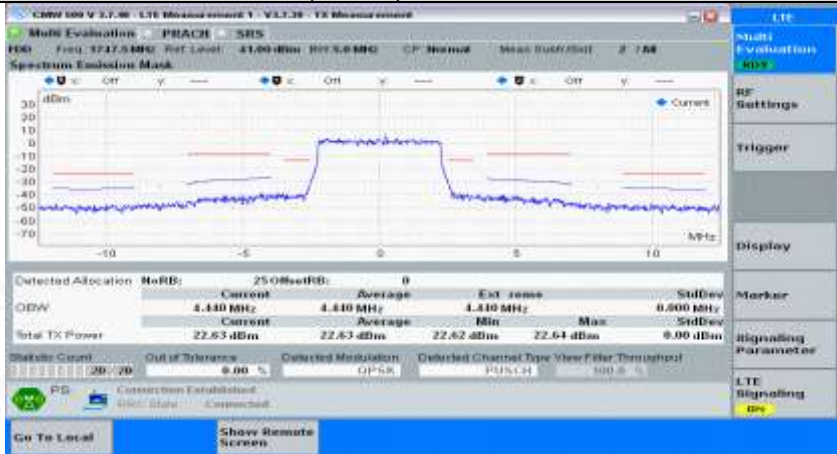
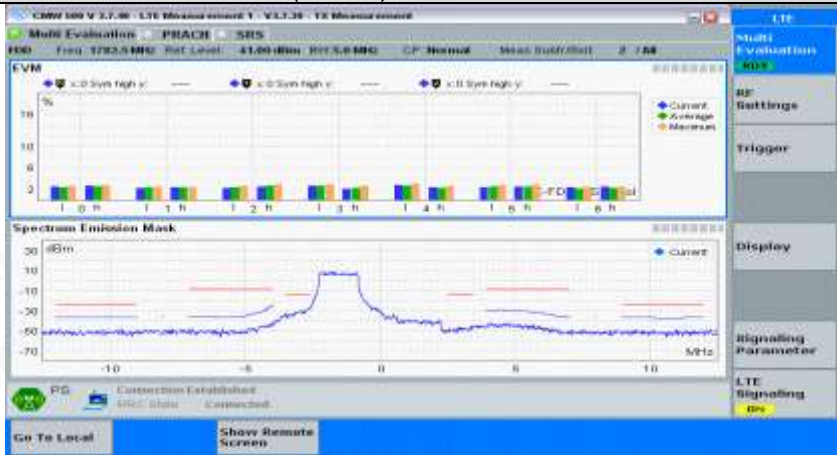
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0



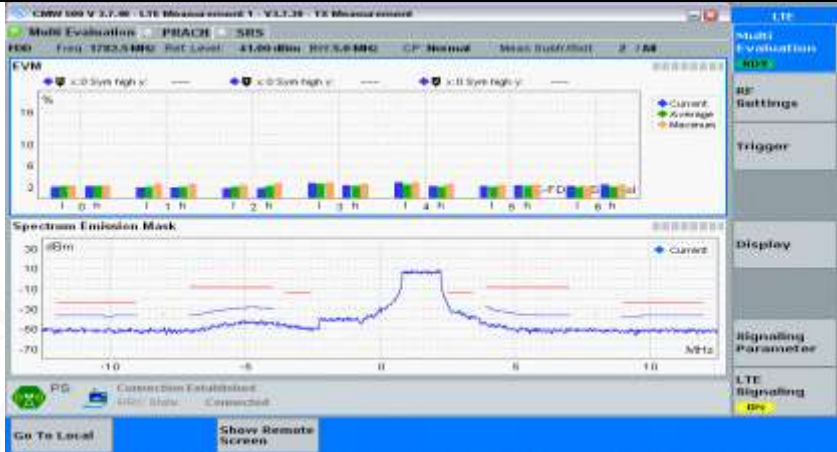

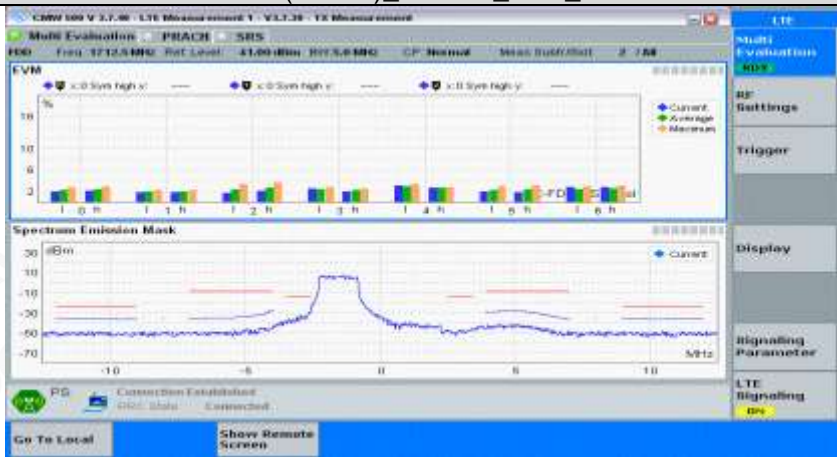
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max



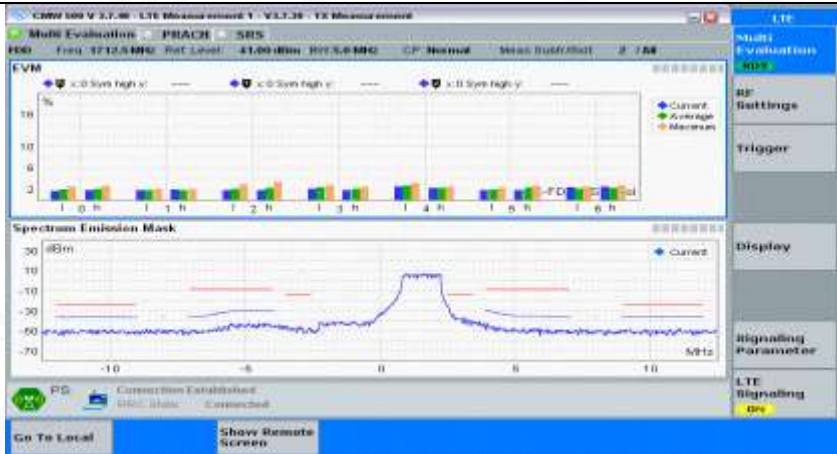
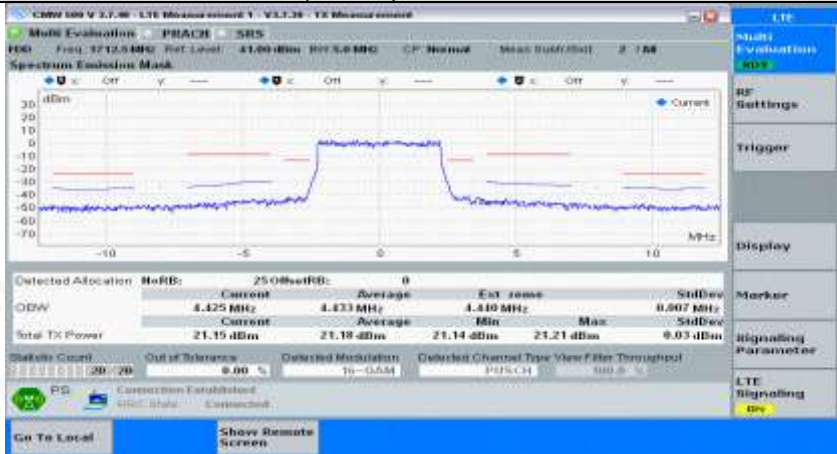
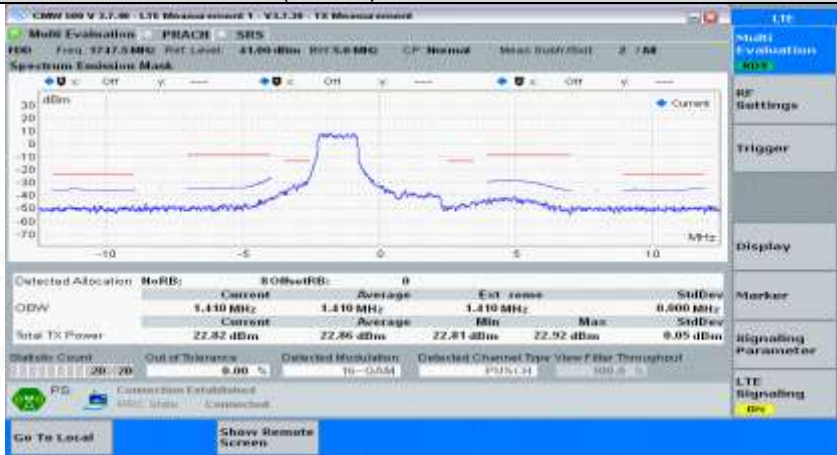
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	

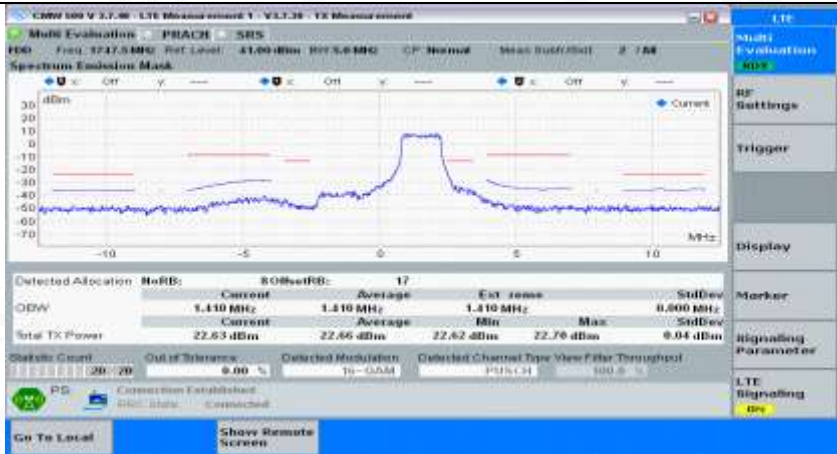
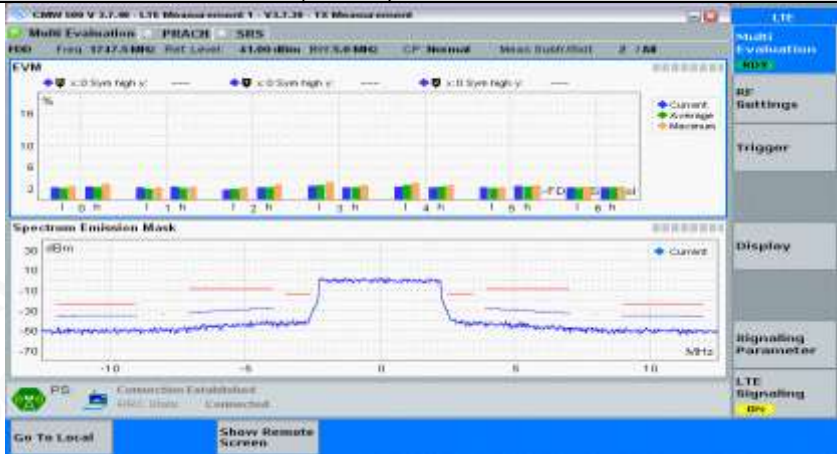
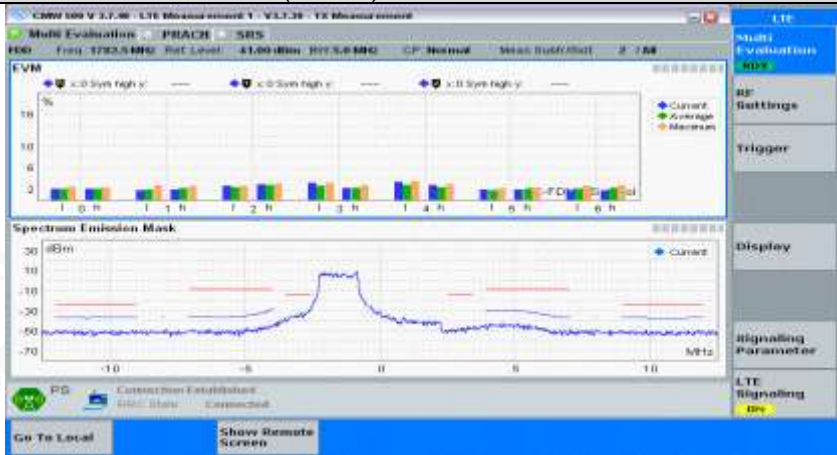
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>



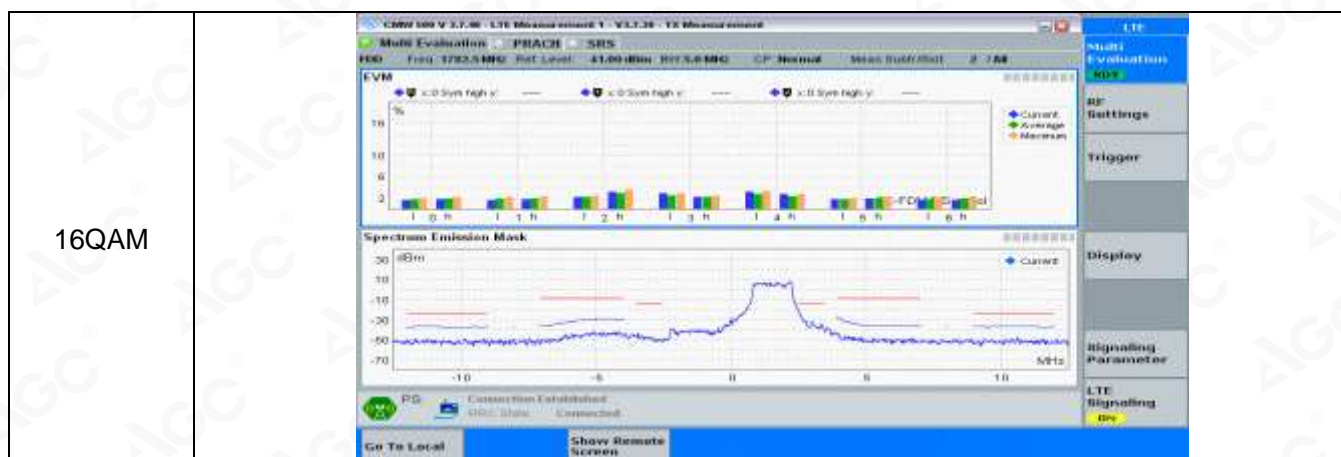
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	



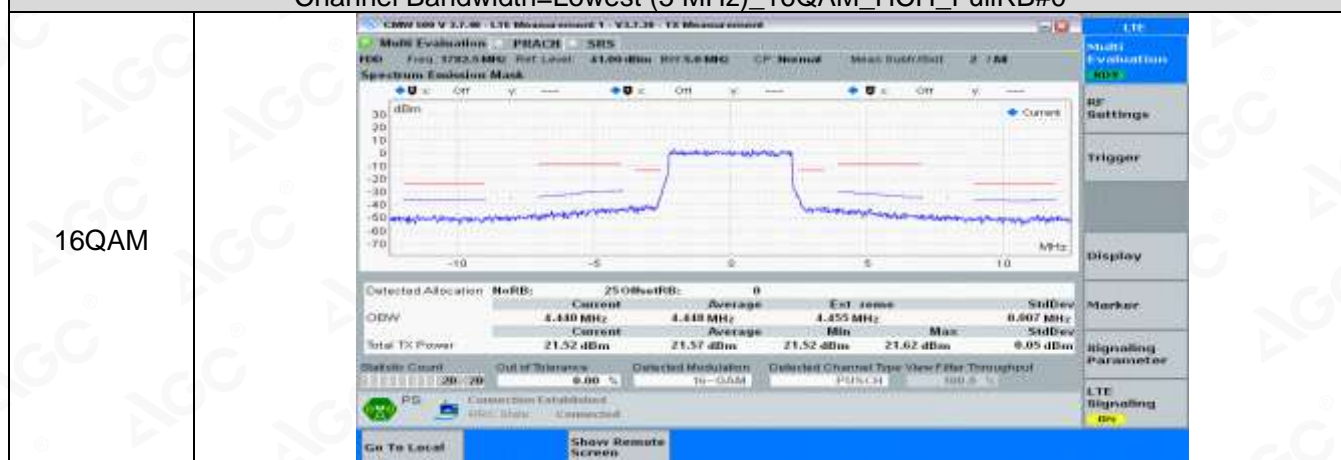
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	



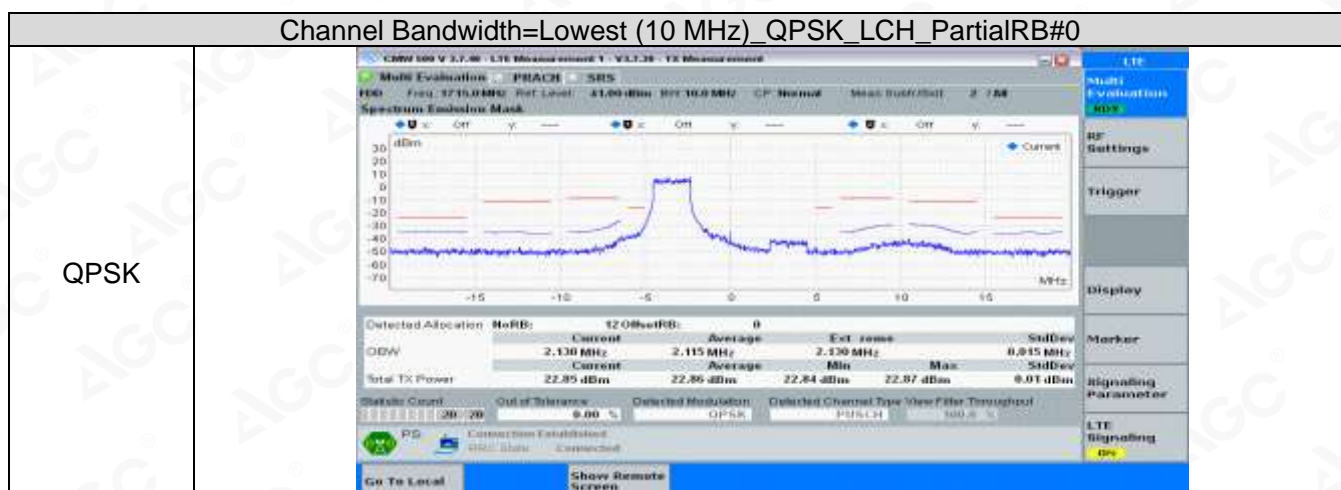


Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0



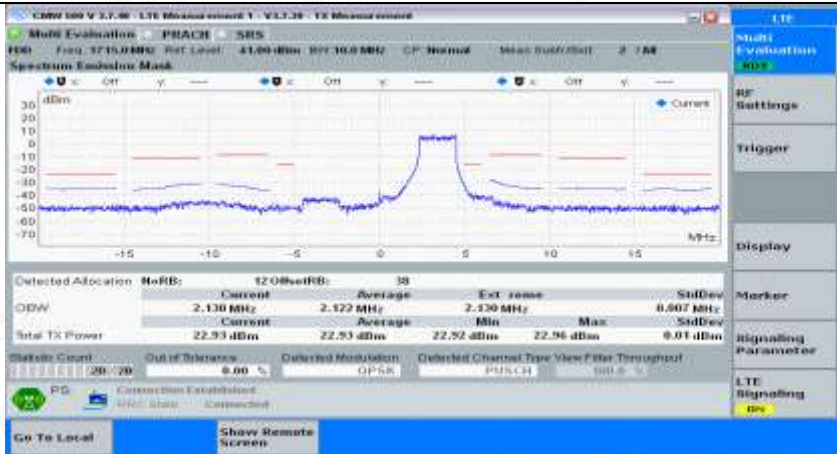
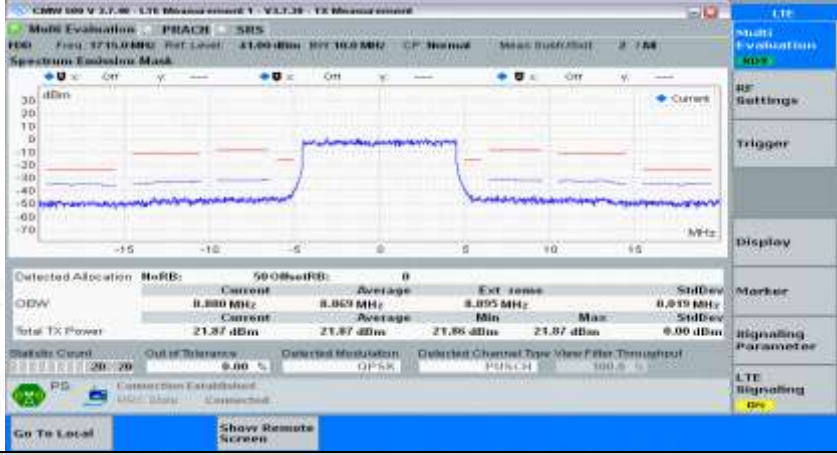
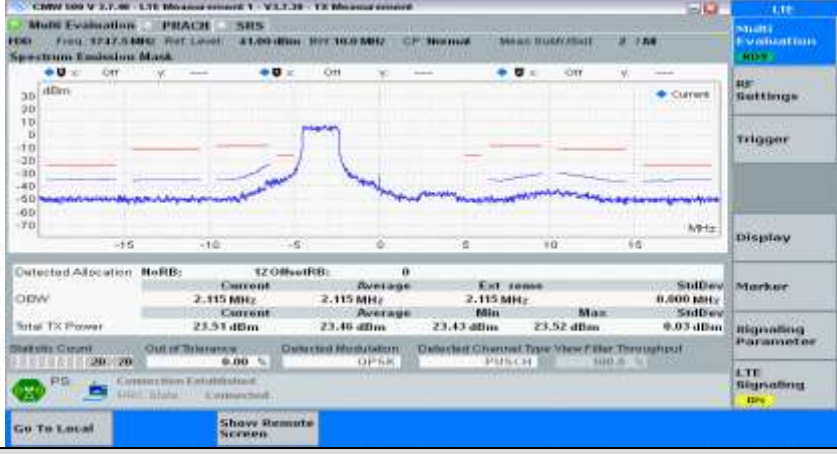
Channel Bandwidth= (10 MHz)

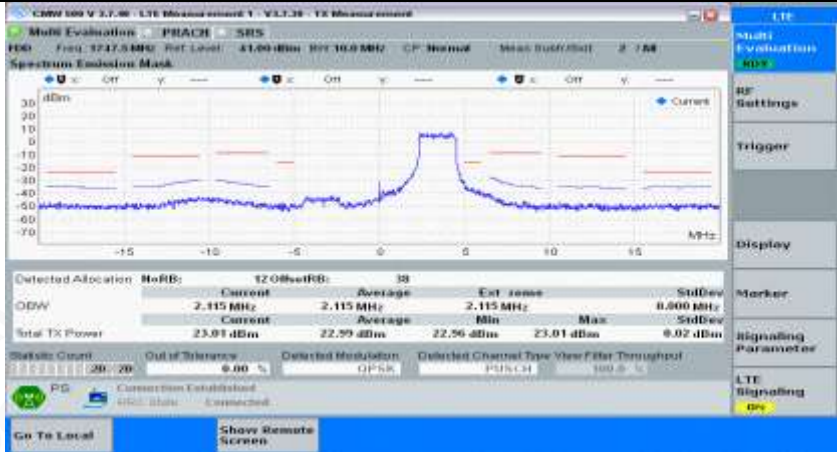
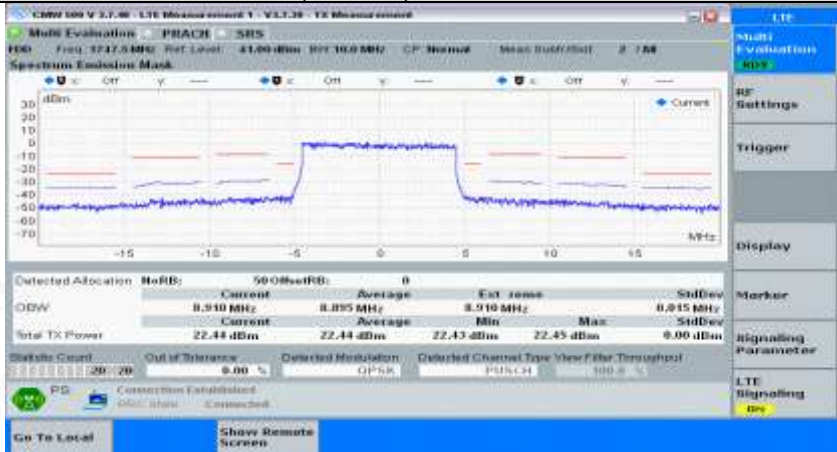
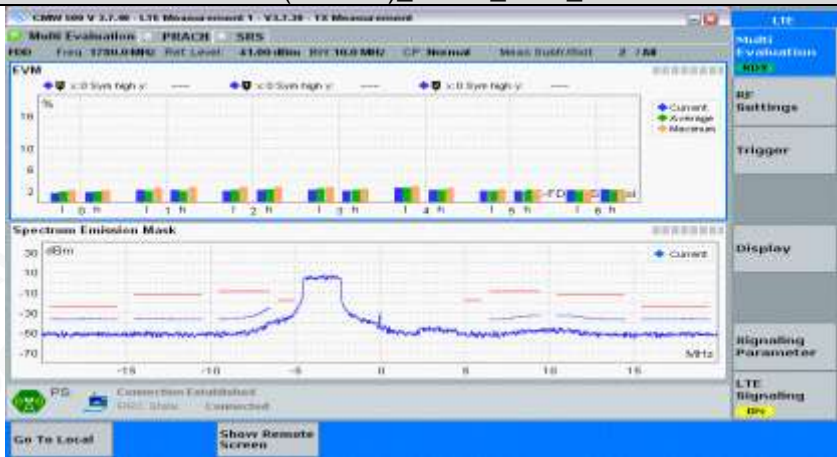
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0



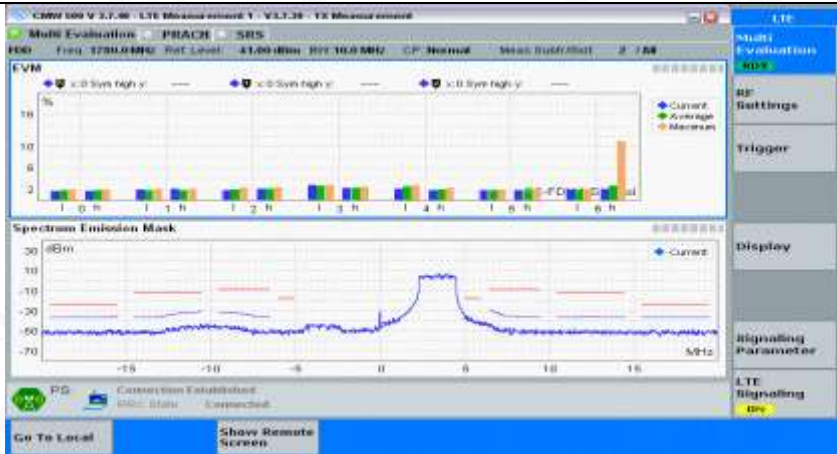
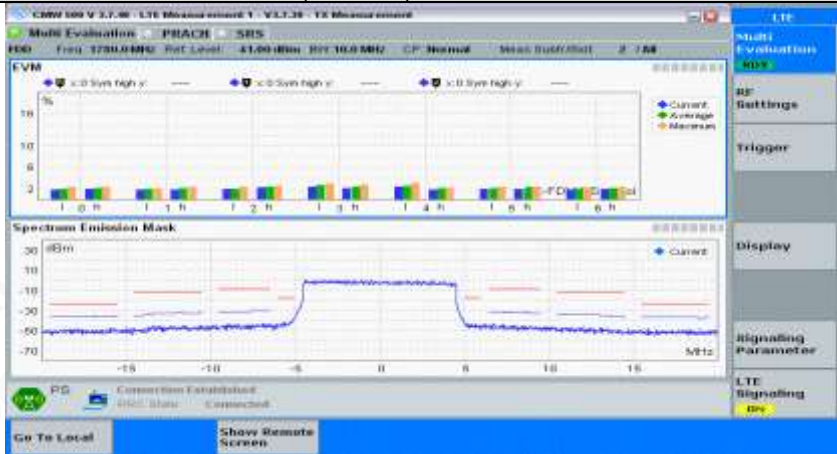
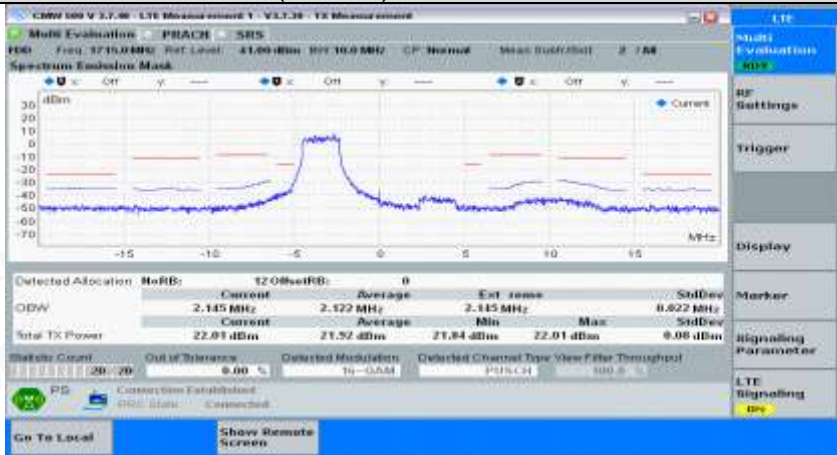
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max



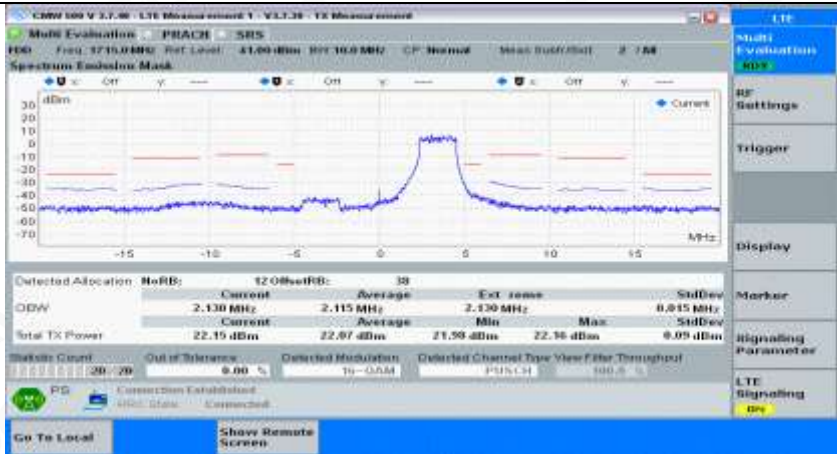
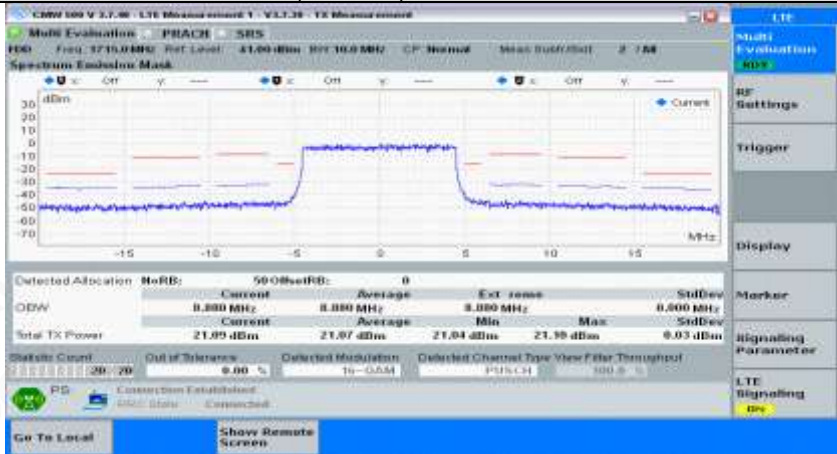
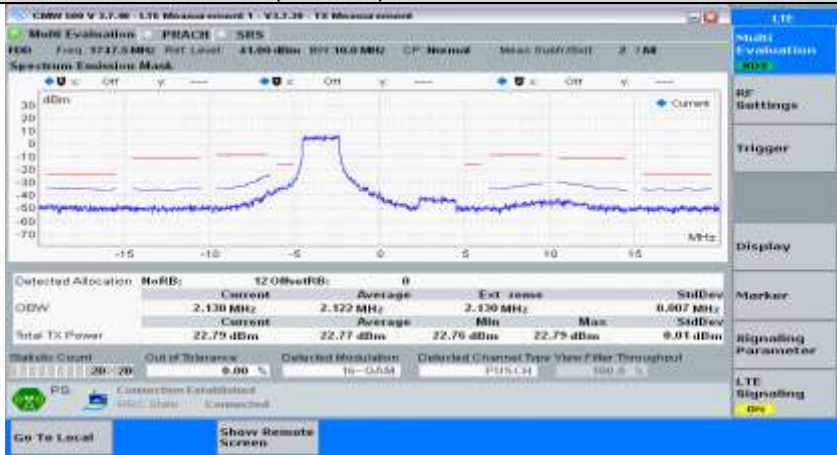
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	

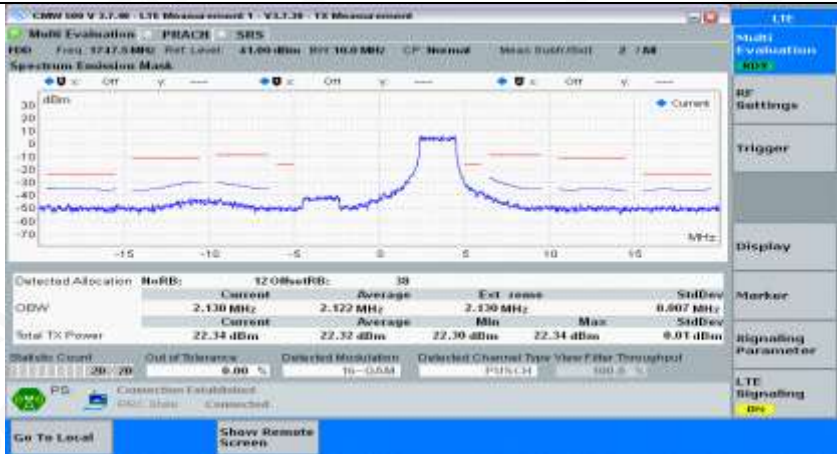
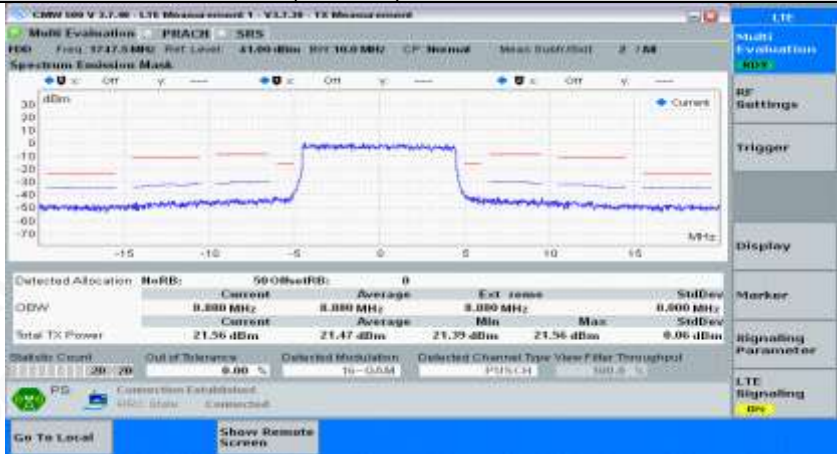
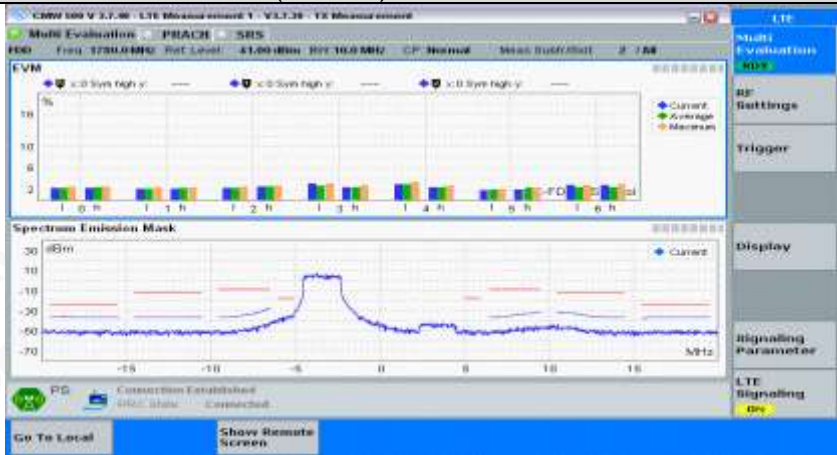
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	



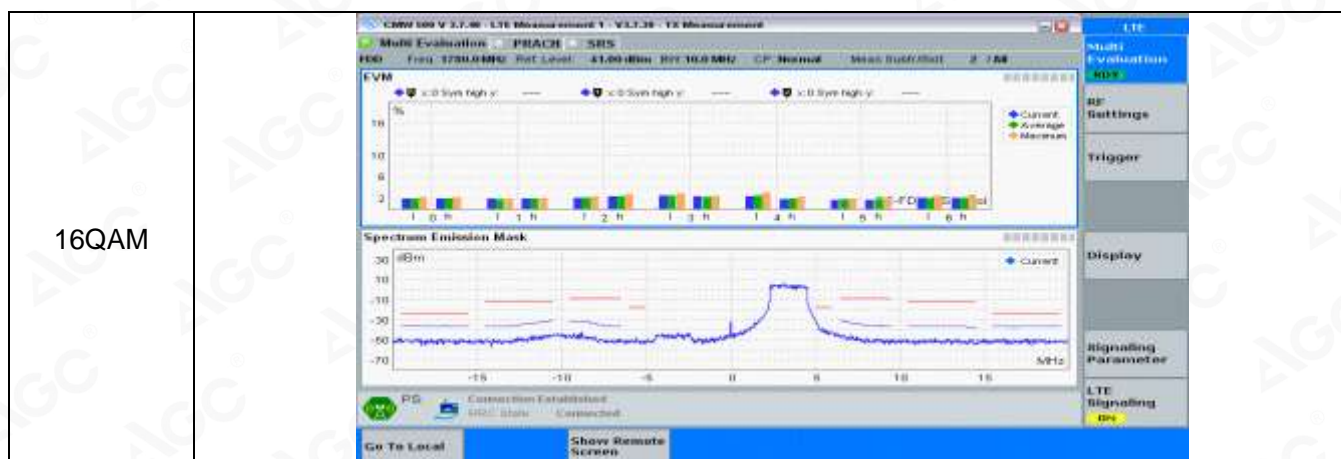
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	



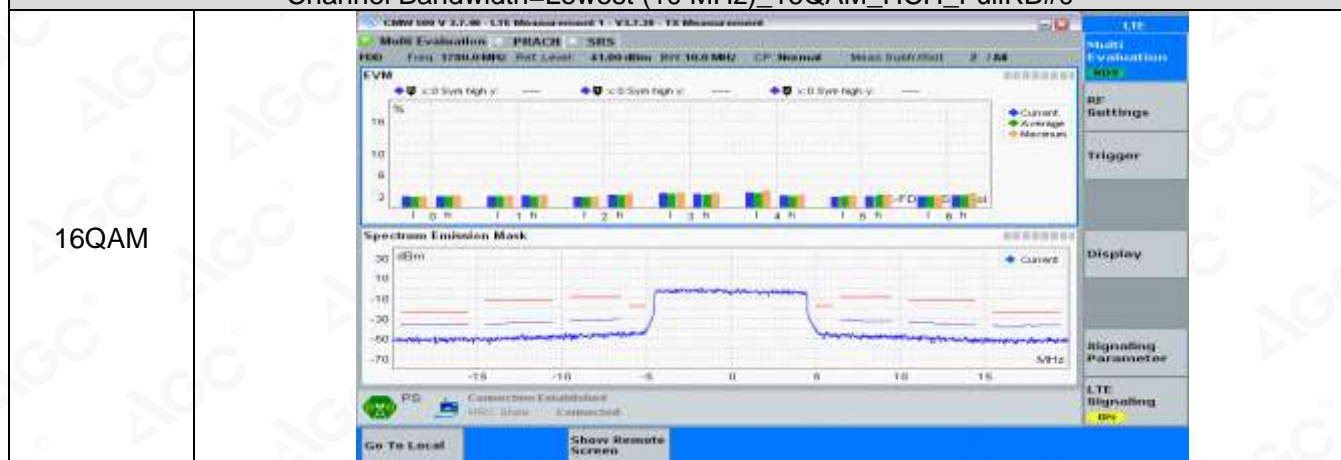
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	

16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>

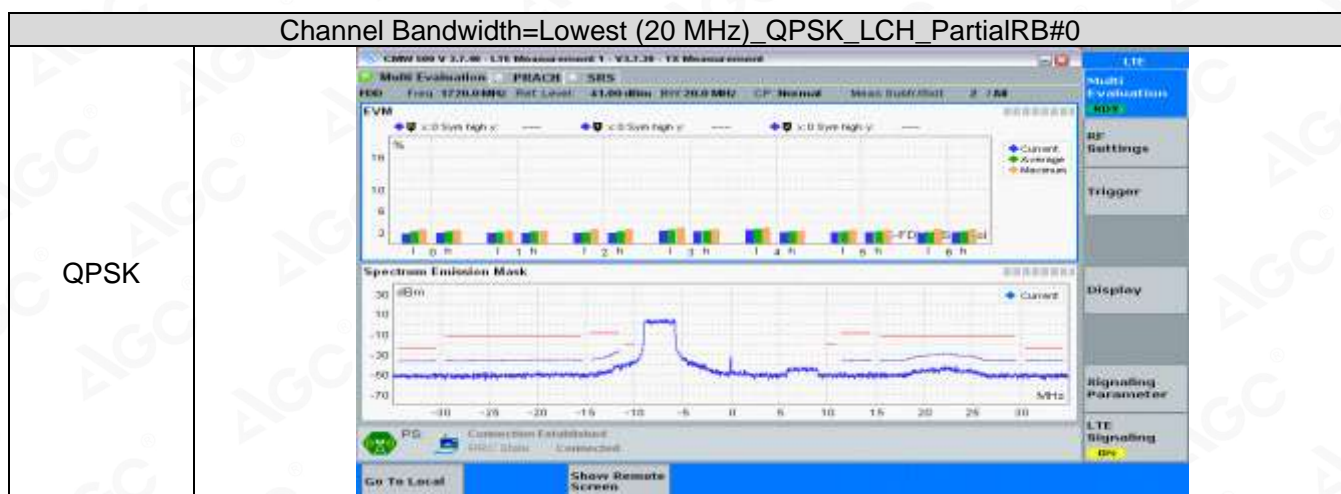




Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0



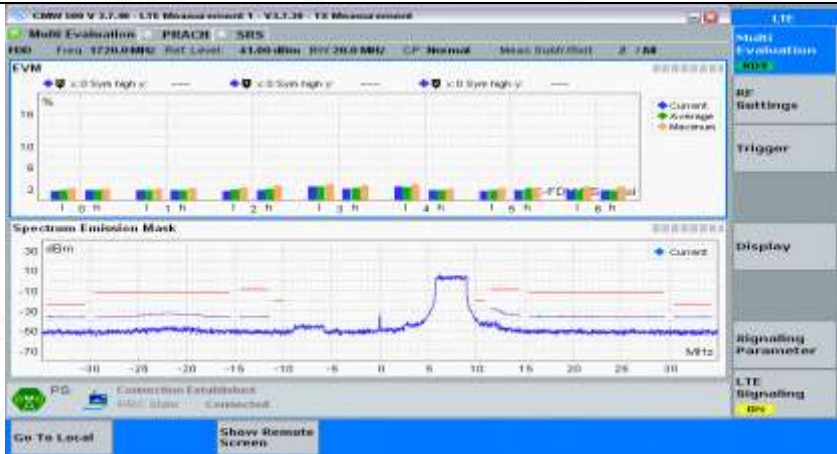
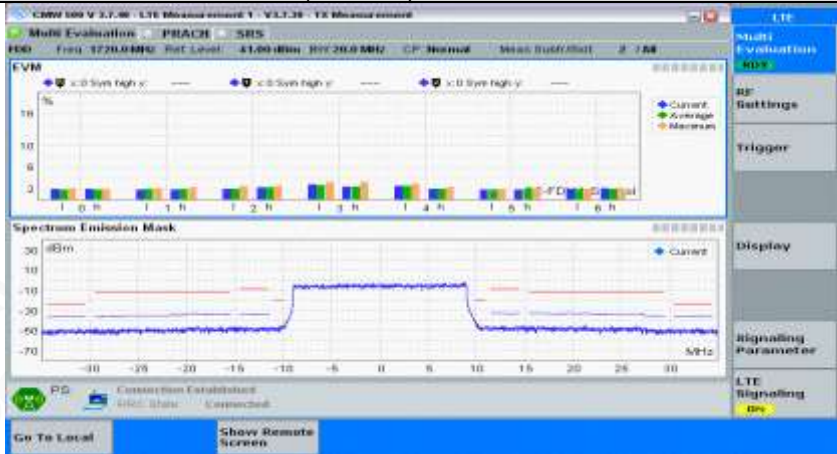
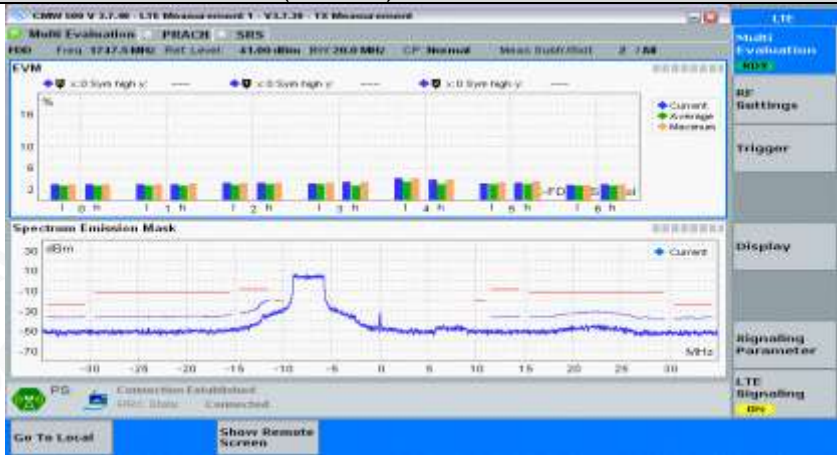
Channel Bandwidth=Highest (20 MHz)

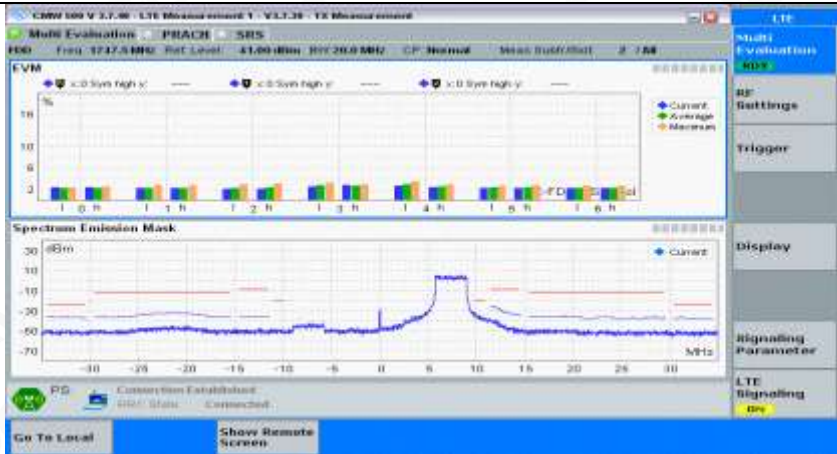
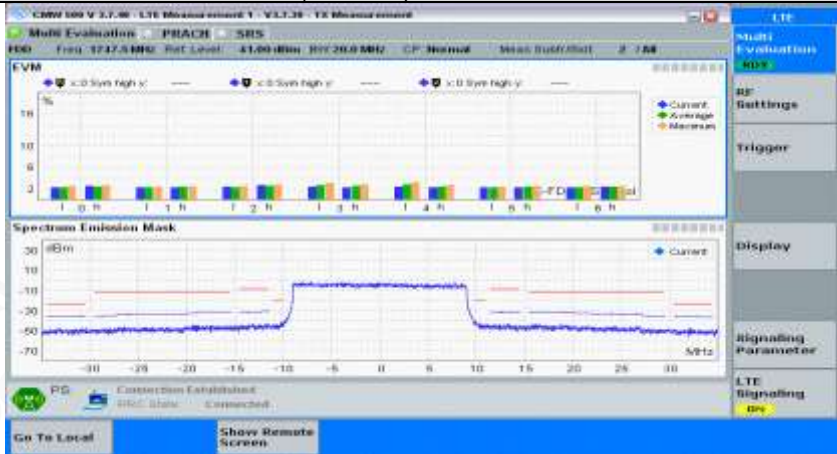
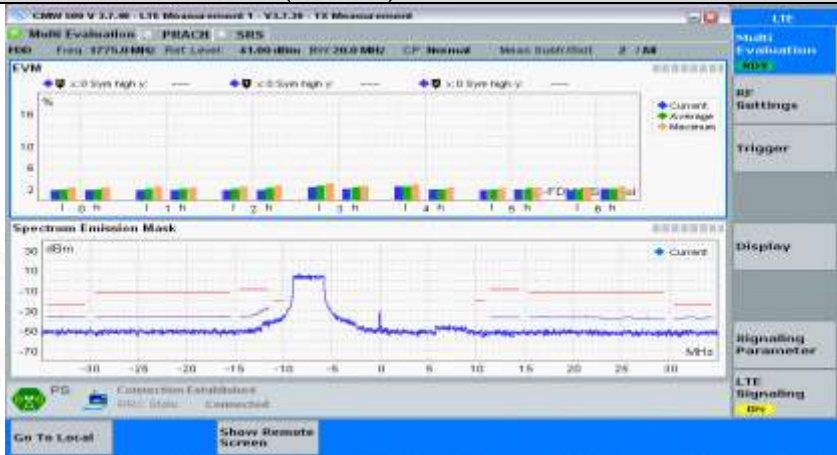


Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max

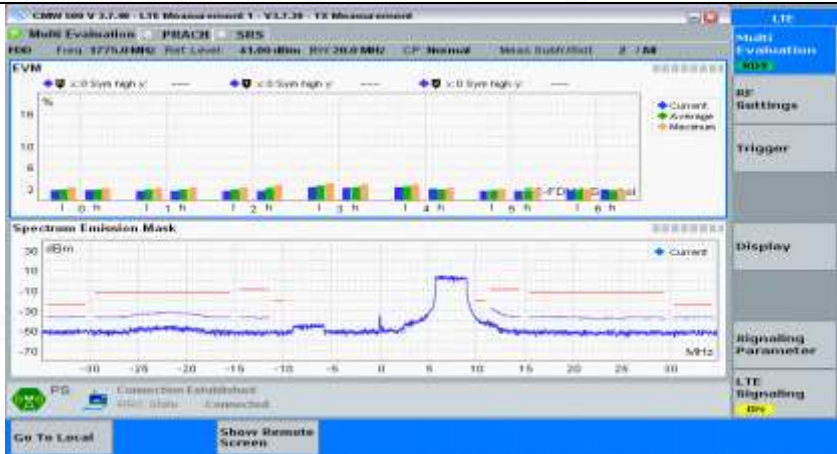
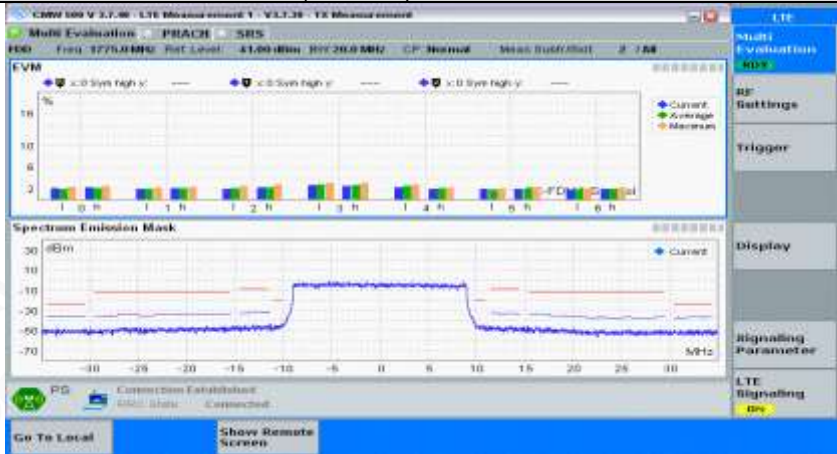
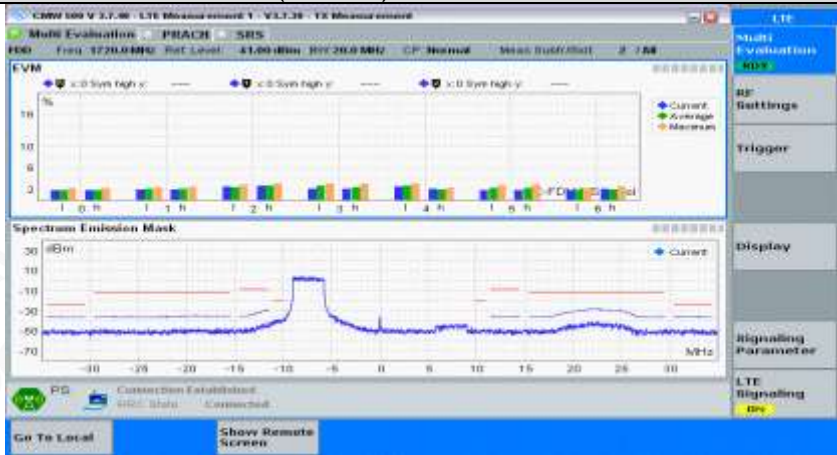




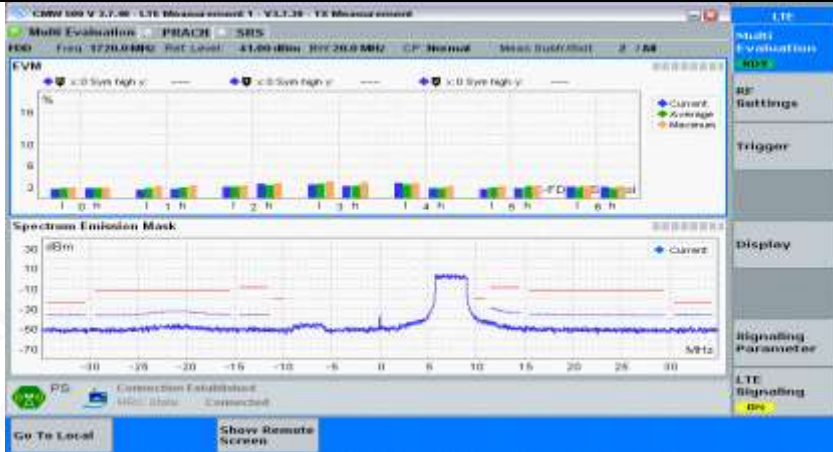
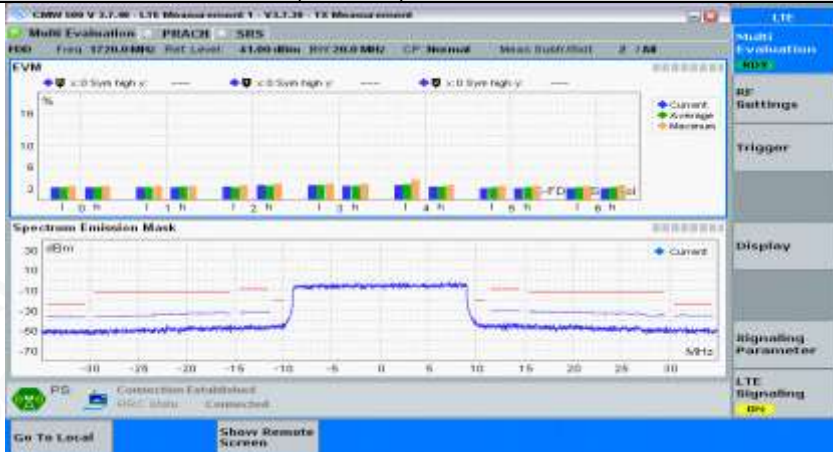
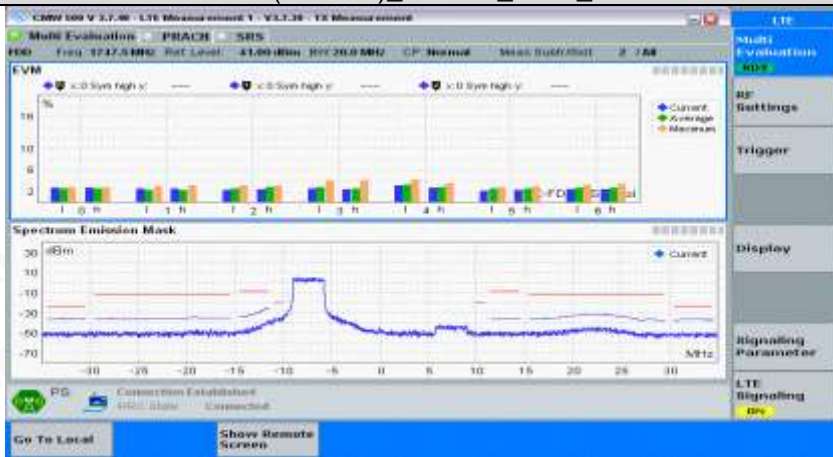
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	

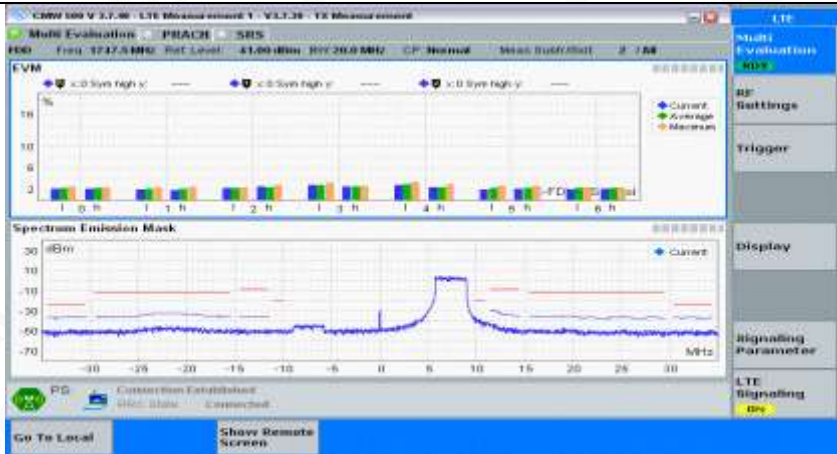
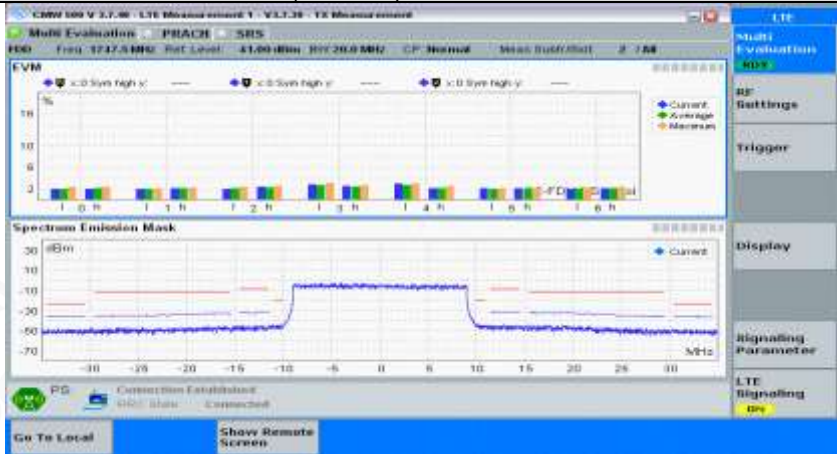
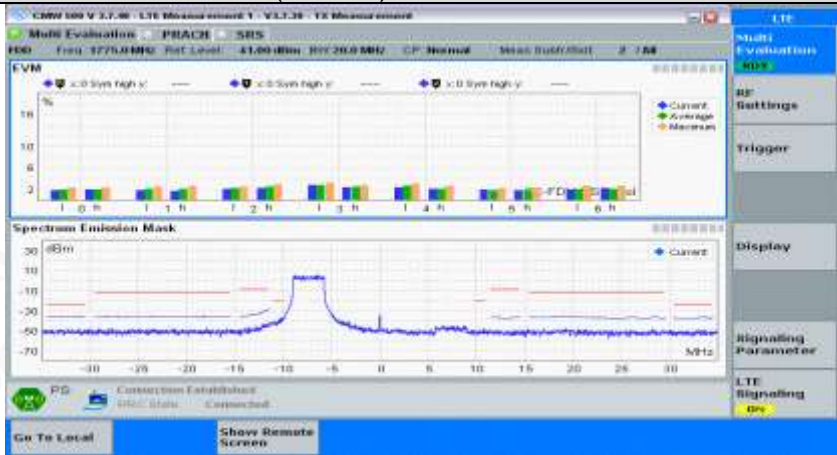
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	



QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	

16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0	
16QAM	



#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass



				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX

### Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass

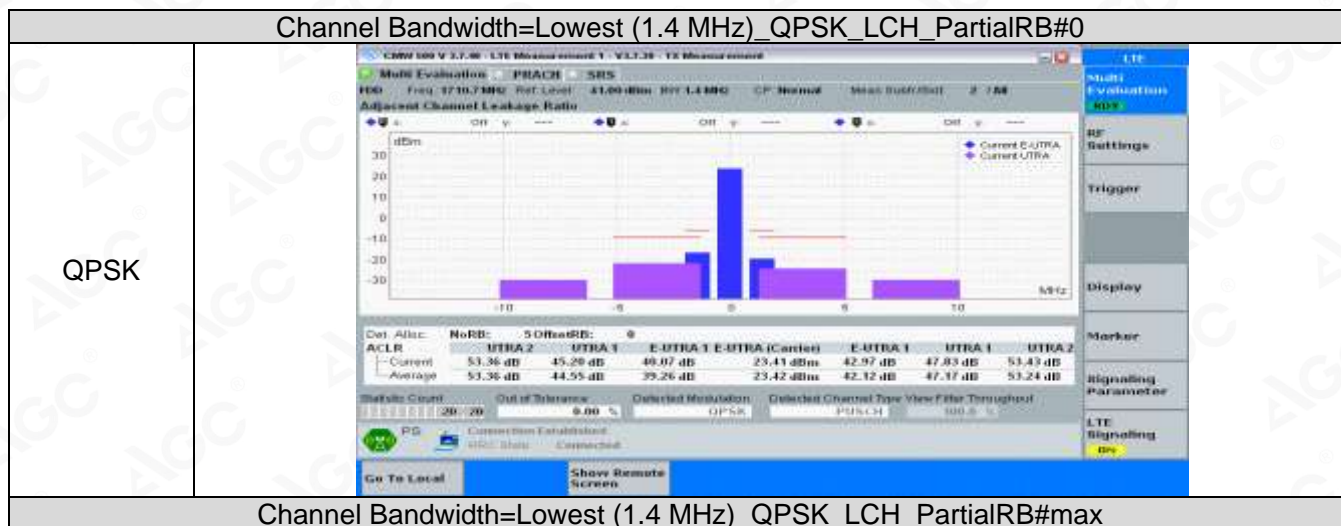


		High range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
	16QAM	Low range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		Mid range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		High range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass




## Test Graphs




NTNV

Channel Bandwidth=Lowest (1.4 MHz)










QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max</p>




QPSK																																					
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullIRB#0																																					
QPSK	 <table><tr><th>Det. Alloc.</th><th>NorB:</th><th>6 OffB:</th><th>8B:</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>52.06 dB</td><td>46.43 dB</td><td>44.22 dB</td><td>23.60 dBm</td><td>45.01 dB</td><td>47.30 dB</td><td>52.82 dB</td><td></td><td></td><td></td><td></td></tr><tr><td>Average</td><td>52.91 dB</td><td>47.07 dB</td><td>44.96 dB</td><td>22.99 dBm</td><td>45.26 dB</td><td>47.55 dB</td><td>52.78 dB</td><td></td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NorB:	6 OffB:	8B:	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	52.06 dB	46.43 dB	44.22 dB	23.60 dBm	45.01 dB	47.30 dB	52.82 dB					Average	52.91 dB	47.07 dB	44.96 dB	22.99 dBm	45.26 dB	47.55 dB	52.78 dB				
Det. Alloc.	NorB:	6 OffB:	8B:	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																										
Current	52.06 dB	46.43 dB	44.22 dB	23.60 dBm	45.01 dB	47.30 dB	52.82 dB																														
Average	52.91 dB	47.07 dB	44.96 dB	22.99 dBm	45.26 dB	47.55 dB	52.78 dB																														
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0																																					
QPSK																																					
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max																																					



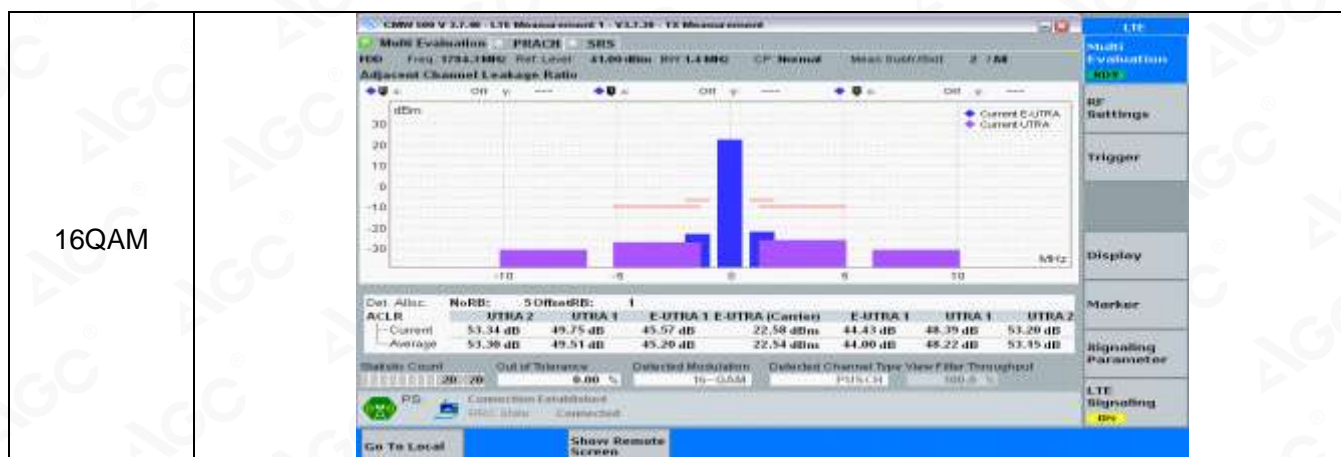
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max</p>



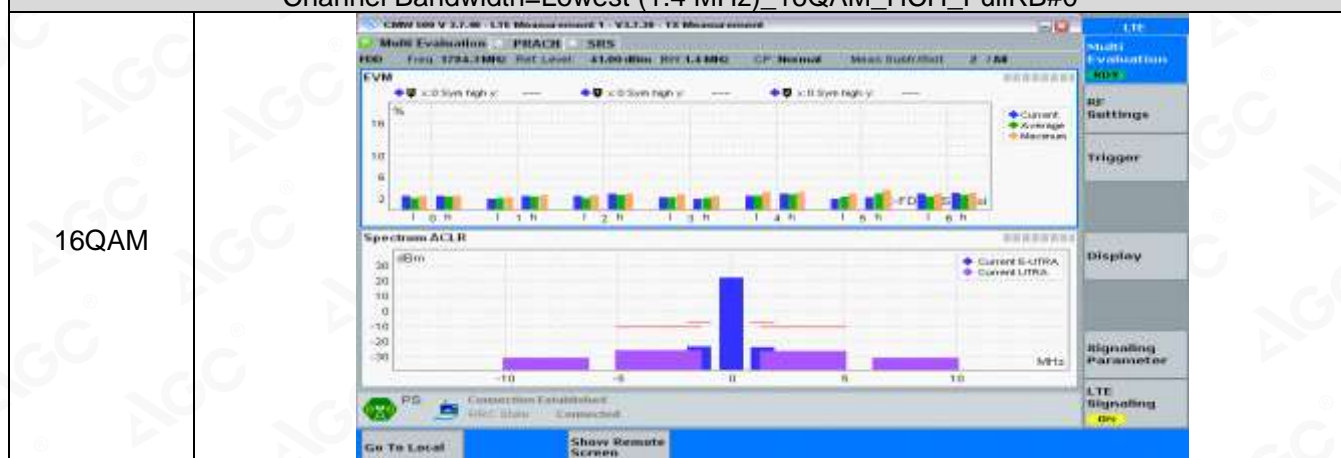
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max</p>

16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max</p>

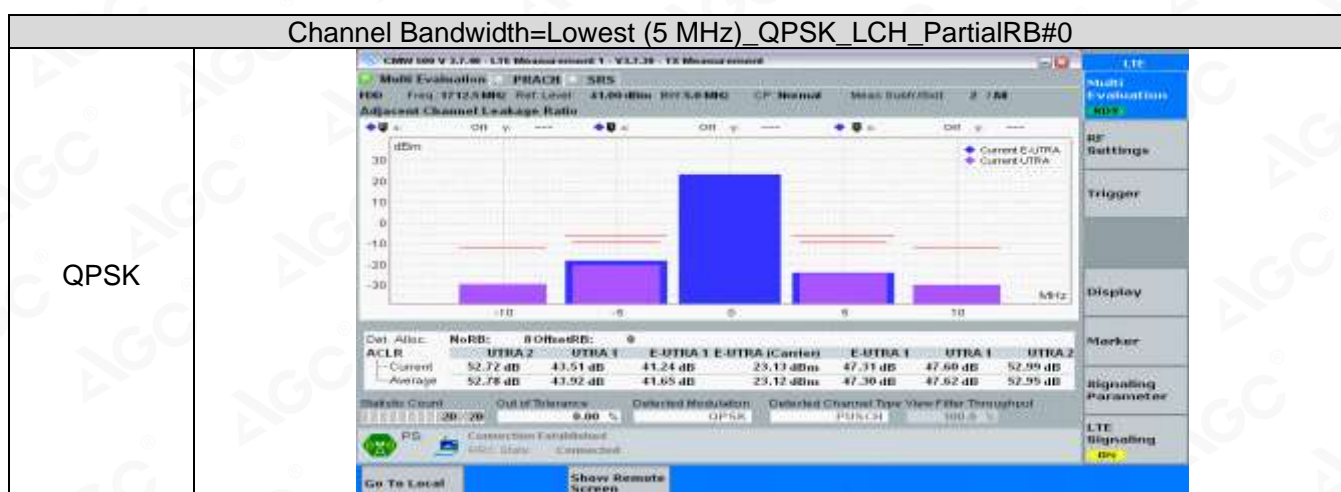




Channel Bandwidth=Lowest (1.4 MHz)\_16QAM\_HCH\_FullRB#0






Channel Bandwidth= (5 MHz)






Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max









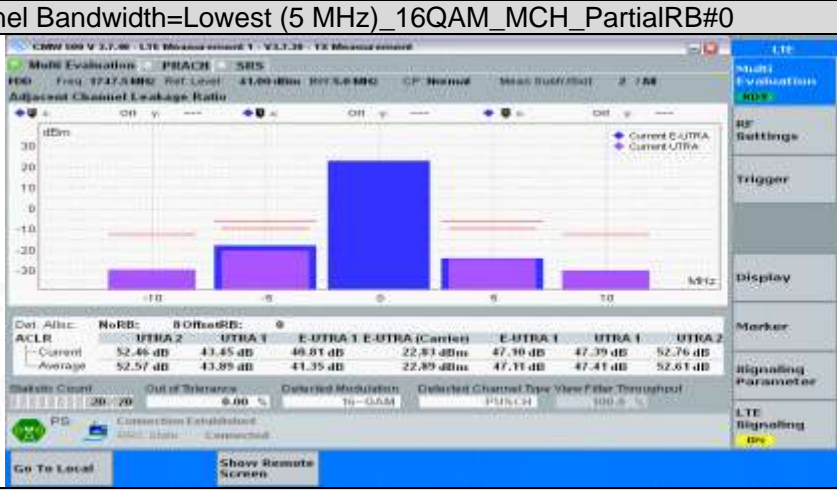
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max</p>


QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>



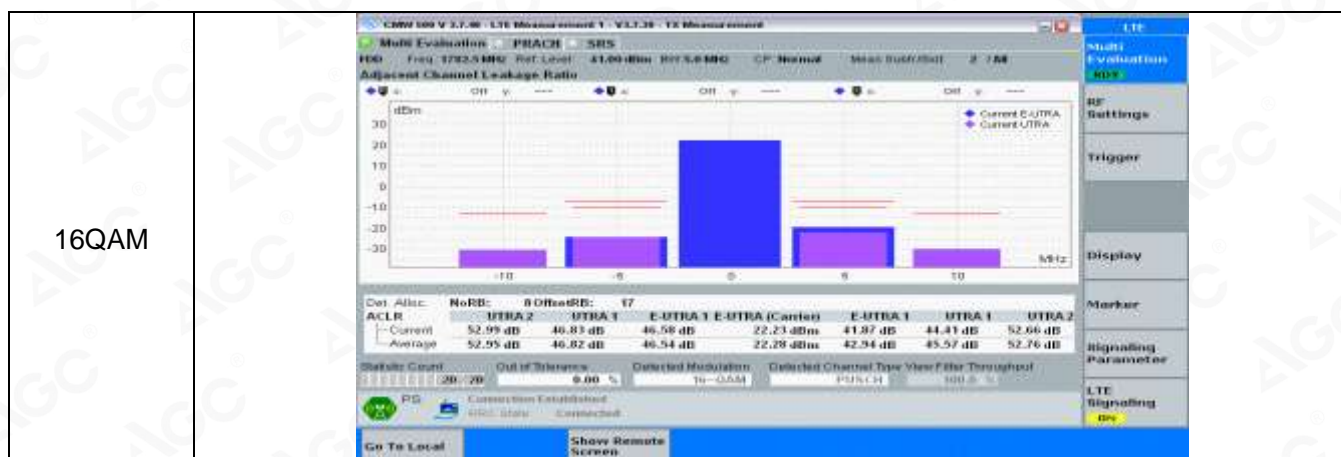
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>



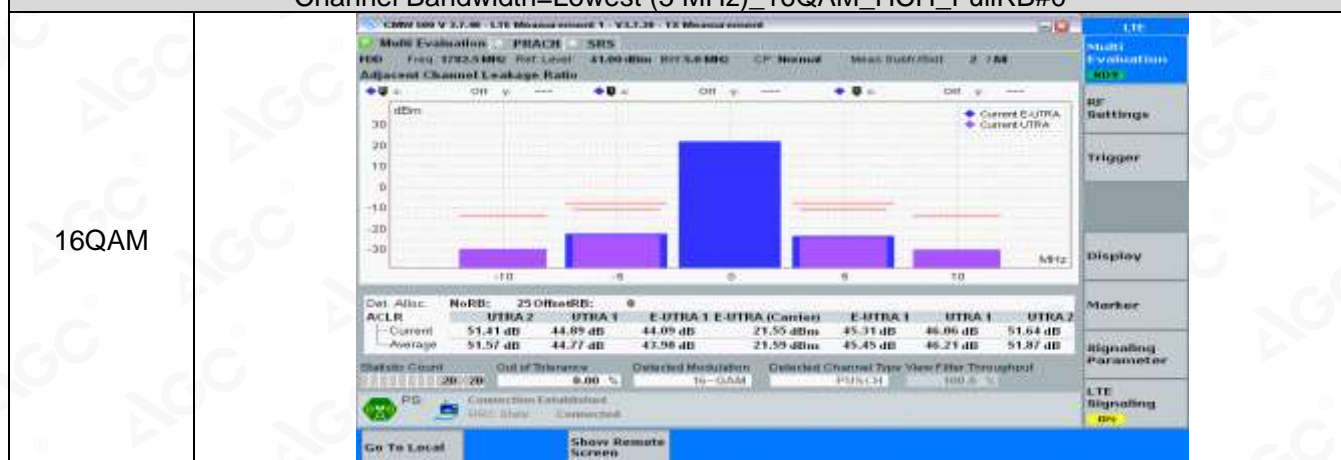
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>

16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max</p>

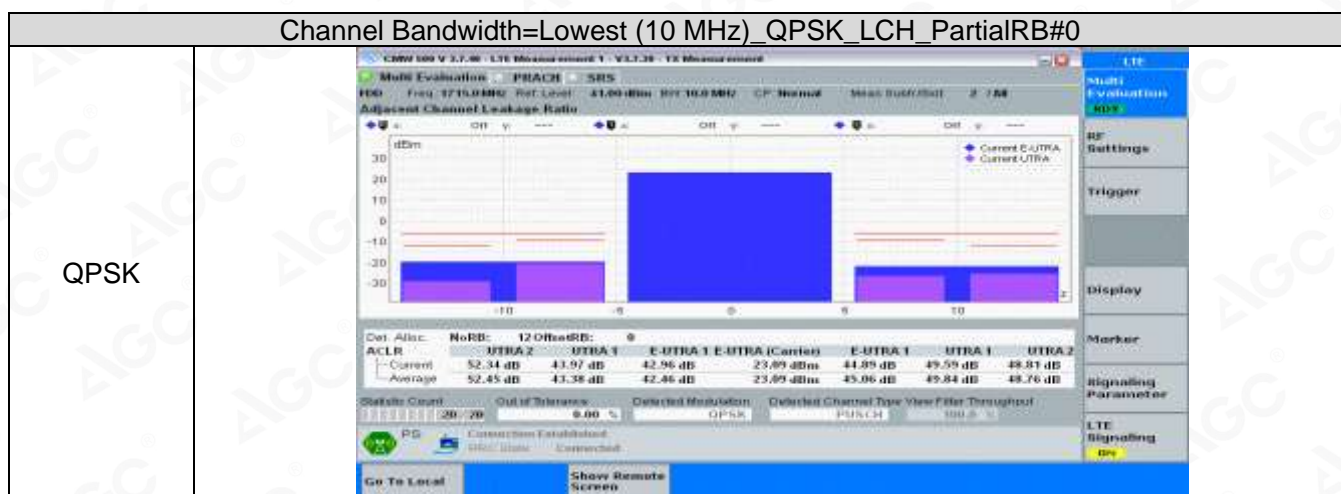




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0




Channel Bandwidth= (10 MHz)



Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max



QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>50.54 dB</td><td>51.05 dB</td><td>46.68 dB</td><td>23.11 dBm</td><td>45.13 dB</td><td>46.61 dB</td><td>52.17 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>50.62 dB</td><td>51.05 dB</td><td>46.74 dB</td><td>23.11 dBm</td><td>45.37 dB</td><td>46.87 dB</td><td>52.50 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	50.54 dB	51.05 dB	46.68 dB	23.11 dBm	45.13 dB	46.61 dB	52.17 dB				Average	50.62 dB	51.05 dB	46.74 dB	23.11 dBm	45.37 dB	46.87 dB	52.50 dB				Multi Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Det. Alloc.	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																									
Current	50.54 dB	51.05 dB	46.68 dB	23.11 dBm	45.13 dB	46.61 dB	52.17 dB																												
Average	50.62 dB	51.05 dB	46.74 dB	23.11 dBm	45.37 dB	46.87 dB	52.50 dB																												
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0																																			
QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>50 OffRB</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>49.52 dB</td><td>47.68 dB</td><td>44.83 dB</td><td>22.87 dBm</td><td>44.29 dB</td><td>47.30 dB</td><td>43.71 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>49.65 dB</td><td>48.11 dB</td><td>45.10 dB</td><td>22.87 dBm</td><td>44.69 dB</td><td>47.89 dB</td><td>43.96 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	50 OffRB	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	49.52 dB	47.68 dB	44.83 dB	22.87 dBm	44.29 dB	47.30 dB	43.71 dB				Average	49.65 dB	48.11 dB	45.10 dB	22.87 dBm	44.69 dB	47.89 dB	43.96 dB				Multi Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Det. Alloc.	NoRB	50 OffRB	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																									
Current	49.52 dB	47.68 dB	44.83 dB	22.87 dBm	44.29 dB	47.30 dB	43.71 dB																												
Average	49.65 dB	48.11 dB	45.10 dB	22.87 dBm	44.69 dB	47.89 dB	43.96 dB																												
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0																																			
QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.32 dB</td><td>42.24 dB</td><td>41.51 dB</td><td>23.69 dBm</td><td>46.56 dB</td><td>51.36 dB</td><td>50.35 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>53.01 dB</td><td>42.32 dB</td><td>41.57 dB</td><td>23.67 dBm</td><td>46.69 dB</td><td>51.31 dB</td><td>50.52 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffRB	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.32 dB	42.24 dB	41.51 dB	23.69 dBm	46.56 dB	51.36 dB	50.35 dB				Average	53.01 dB	42.32 dB	41.57 dB	23.67 dBm	46.69 dB	51.31 dB	50.52 dB				Multi Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Det. Alloc.	NoRB	12 OffRB	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																									
Current	53.32 dB	42.24 dB	41.51 dB	23.69 dBm	46.56 dB	51.36 dB	50.35 dB																												
Average	53.01 dB	42.32 dB	41.57 dB	23.67 dBm	46.69 dB	51.31 dB	50.52 dB																												
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max																																			

QPSK	 <table><tr><th>Det. Alisc.</th><th>NoRB</th><th>12 RBs</th><th>6RB</th><th>3RB</th><th>E-UTRA 1</th><th>E-UTRA 1 (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>50.42 dB</td><td>51.01 dB</td><td>46.48 dB</td><td>24.01 dBm</td><td>46.98 dB</td><td>41.58 dB</td><td>51.39 dB</td><td></td><td></td></tr><tr><td>Average</td><td>50.31 dB</td><td>50.95 dB</td><td>46.42 dB</td><td>24.06 dBm</td><td>41.91 dB</td><td>42.62 dB</td><td>51.46 dB</td><td></td><td></td></tr></table>	Det. Alisc.	NoRB	12 RBs	6RB	3RB	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	50.42 dB	51.01 dB	46.48 dB	24.01 dBm	46.98 dB	41.58 dB	51.39 dB			Average	50.31 dB	50.95 dB	46.42 dB	24.06 dBm	41.91 dB	42.62 dB	51.46 dB			Multi-Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Det. Alisc.	NoRB	12 RBs	6RB	3RB	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																							
Current	50.42 dB	51.01 dB	46.48 dB	24.01 dBm	46.98 dB	41.58 dB	51.39 dB																									
Average	50.31 dB	50.95 dB	46.42 dB	24.06 dBm	41.91 dB	42.62 dB	51.46 dB																									
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0																																
QPSK	 <table><tr><th>Det. Alisc.</th><th>NoRB</th><th>12 RBs</th><th>6RB</th><th>3RB</th><th>E-UTRA 1</th><th>E-UTRA 1 (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>54.15 dB</td><td>44.54 dB</td><td>43.66 dB</td><td>23.95 dBm</td><td>48.12 dB</td><td>52.35 dB</td><td>52.16 dB</td><td></td><td></td></tr><tr><td>Average</td><td>54.06 dB</td><td>44.68 dB</td><td>43.79 dB</td><td>23.94 dBm</td><td>48.33 dB</td><td>52.61 dB</td><td>52.40 dB</td><td></td><td></td></tr></table>	Det. Alisc.	NoRB	12 RBs	6RB	3RB	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	54.15 dB	44.54 dB	43.66 dB	23.95 dBm	48.12 dB	52.35 dB	52.16 dB			Average	54.06 dB	44.68 dB	43.79 dB	23.94 dBm	48.33 dB	52.61 dB	52.40 dB			Multi-Evaluation RF Settings Trigger Display Signaling Parameter LTE Signaling
Det. Alisc.	NoRB	12 RBs	6RB	3RB	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																							
Current	54.15 dB	44.54 dB	43.66 dB	23.95 dBm	48.12 dB	52.35 dB	52.16 dB																									
Average	54.06 dB	44.68 dB	43.79 dB	23.94 dBm	48.33 dB	52.61 dB	52.40 dB																									
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0																																
QPSK	 <table><tr><th>Det. Alisc.</th><th>NoRB</th><th>12 RBs</th><th>6RB</th><th>3RB</th><th>E-UTRA 1</th><th>E-UTRA 1 (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>54.15 dB</td><td>44.54 dB</td><td>43.66 dB</td><td>23.95 dBm</td><td>48.12 dB</td><td>52.35 dB</td><td>52.16 dB</td><td></td><td></td></tr><tr><td>Average</td><td>54.06 dB</td><td>44.68 dB</td><td>43.79 dB</td><td>23.94 dBm</td><td>48.33 dB</td><td>52.61 dB</td><td>52.40 dB</td><td></td><td></td></tr></table>	Det. Alisc.	NoRB	12 RBs	6RB	3RB	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	54.15 dB	44.54 dB	43.66 dB	23.95 dBm	48.12 dB	52.35 dB	52.16 dB			Average	54.06 dB	44.68 dB	43.79 dB	23.94 dBm	48.33 dB	52.61 dB	52.40 dB			Multi-Evaluation RF Settings Trigger Display Marker Signaling Parameter LTE Signaling
Det. Alisc.	NoRB	12 RBs	6RB	3RB	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																							
Current	54.15 dB	44.54 dB	43.66 dB	23.95 dBm	48.12 dB	52.35 dB	52.16 dB																									
Average	54.06 dB	44.68 dB	43.79 dB	23.94 dBm	48.33 dB	52.61 dB	52.40 dB																									
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max																																







QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>50.58 dB</td><td>50.95 dB</td><td>46.39 dB</td><td>23.22 dBm</td><td>46.92 dB</td><td>47.56 dB</td><td>53.29 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>50.27 dB</td><td>50.84 dB</td><td>46.26 dB</td><td>23.21 dBm</td><td>45.98 dB</td><td>47.43 dB</td><td>53.60 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	50.58 dB	50.95 dB	46.39 dB	23.22 dBm	46.92 dB	47.56 dB	53.29 dB				Average	50.27 dB	50.84 dB	46.26 dB	23.21 dBm	45.98 dB	47.43 dB	53.60 dB				<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>RF</div>
Det. Alloc.	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																									
Current	50.58 dB	50.95 dB	46.39 dB	23.22 dBm	46.92 dB	47.56 dB	53.29 dB																												
Average	50.27 dB	50.84 dB	46.26 dB	23.21 dBm	45.98 dB	47.43 dB	53.60 dB																												

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_HCH\_FullIRB#0

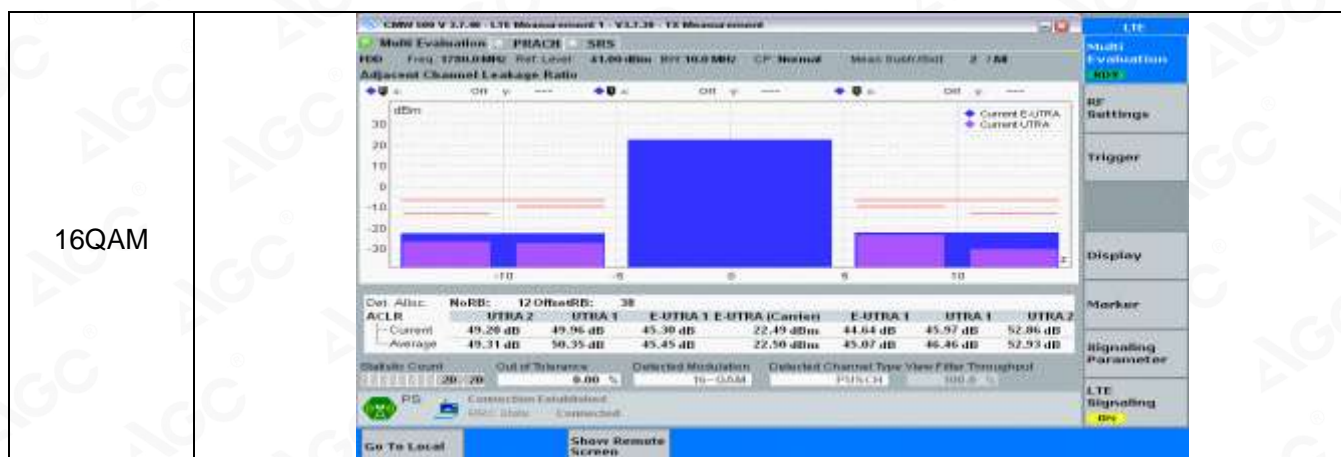
| QPSK | | Det. Alloc. | NoRB     | 50 OffRB | 0        | UTRA 2    | UTRA 1   | E-UTRA 1 | E-UTRA (Carrier) | E-UTRA 1 | UTRA 1 | UTRA 2 | |-------------|----------|----------|----------|-----------|----------|----------|------------------|----------|--------|--------| | Current     | 49.38 dB | 46.38 dB | 43.97 dB | 22.65 dBm | 45.40 dB | 47.69 dB | 51.03 dB         |          |        |        | | Average     | 49.72 dB | 46.68 dB | 44.28 dB | 22.64 dBm | 45.65 dB | 48.02 dB | 51.18 dB         |          |        |        | | Multi-Evaluation  RF Settings  Trigger  Display  Marker  Signaling Parameter  LTE Signaling  RF  Channel Bandwidth=Lowest (10 MHz)\_16QAM\_LCH\_PartialRB#0 |
| 16QAM | | Det. Alloc. | NoRB     | 12 OffRB | 0        | UTRA 2    | UTRA 1   | E-UTRA 1 | E-UTRA (Carrier) | E-UTRA 1 | UTRA 1 | UTRA 2 | |-------------|----------|----------|----------|-----------|----------|----------|------------------|----------|--------|--------| | Current     | 51.69 dB | 45.91 dB | 43.65 dB | 22.19 dBm | 44.36 dB | 48.77 dB | 48.06 dB         |          |        |        | | Average     | 51.57 dB | 44.99 dB | 43.62 dB | 22.11 dBm | 44.35 dB | 48.90 dB | 47.96 dB         |          |        |        | | Multi-Evaluation  RF Settings  Trigger  Display  Marker  Signaling Parameter  LTE Signaling  RF  Channel Bandwidth=Lowest (10 MHz)\_16QAM\_LCH\_PartialRB#max |



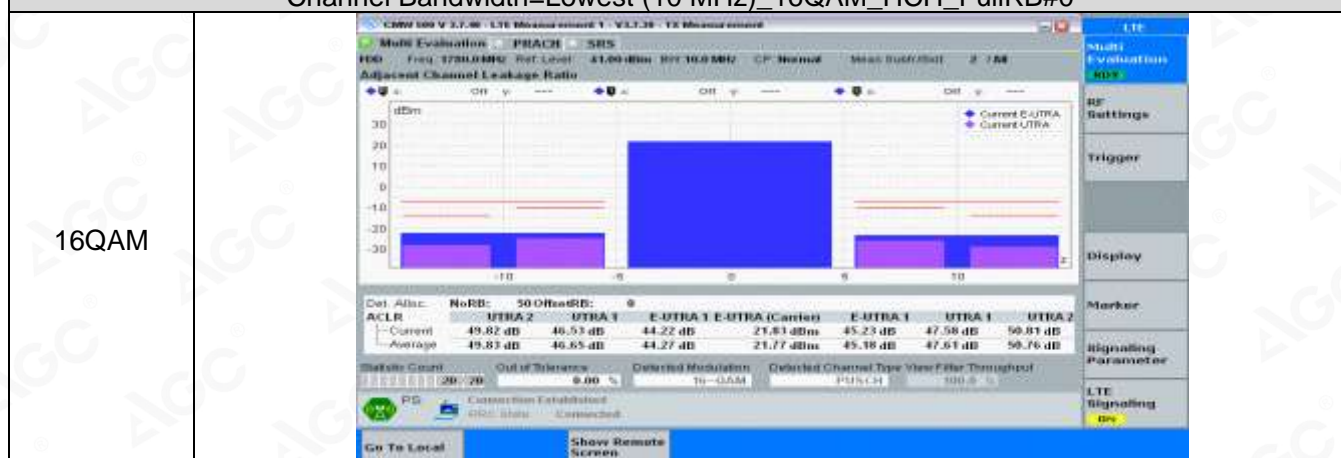
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>

16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>

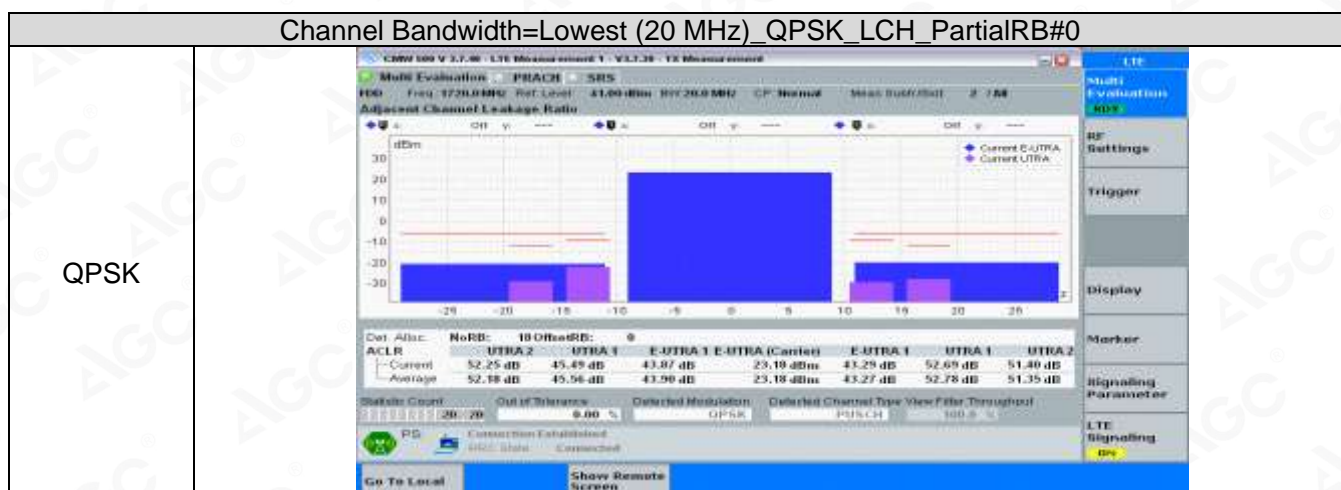




Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0






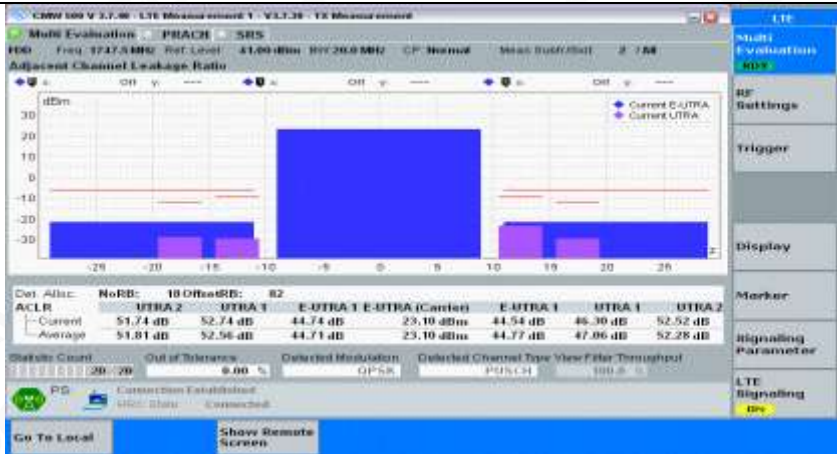

Channel Bandwidth=Highest (20 MHz)






Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max






QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>



QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>





QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max</p>

16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max</p>



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0	
16QAM	



## 5. Transmitter Spurious Emissions

### Test Result

NTNV

**Channel Bandwidth=Lowest (1.4 MHz)**

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth= (5 MHz)**

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth=Highest (20 MHz)**

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass





			Mid range	Full	0	PUMAX	Pass
				1	0	PUMAX	Pass
					max	PUMAX	Pass
			High range	Full	0	PUMAX	Pass
				1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

## Test Graphs


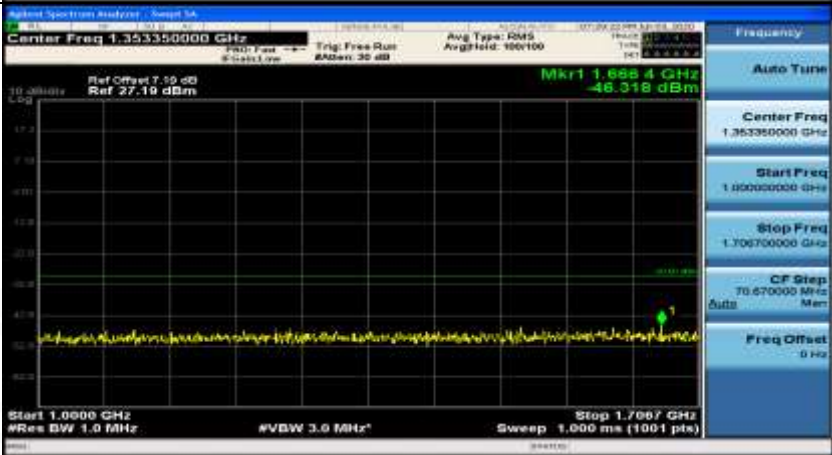

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

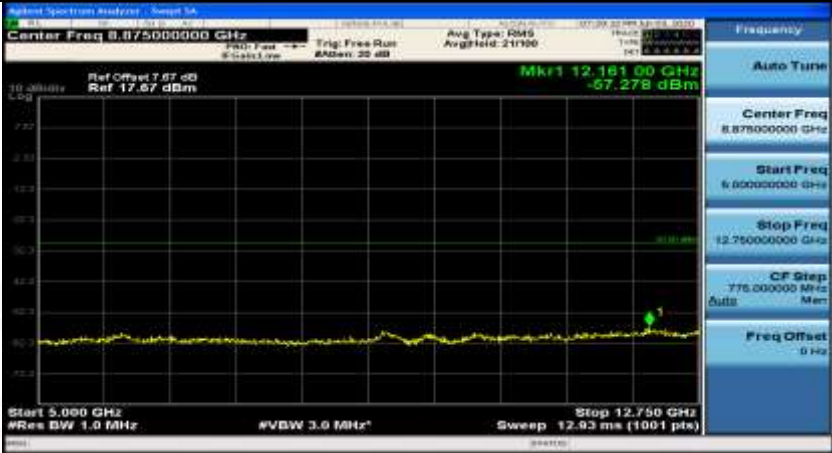
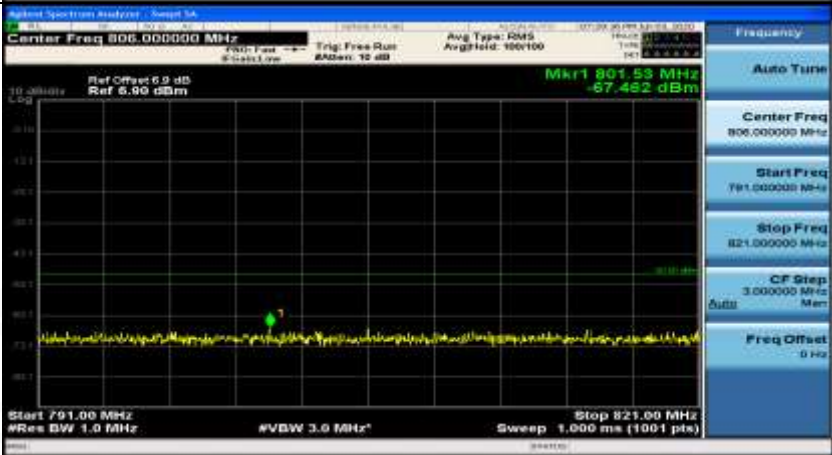

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_1RB#0

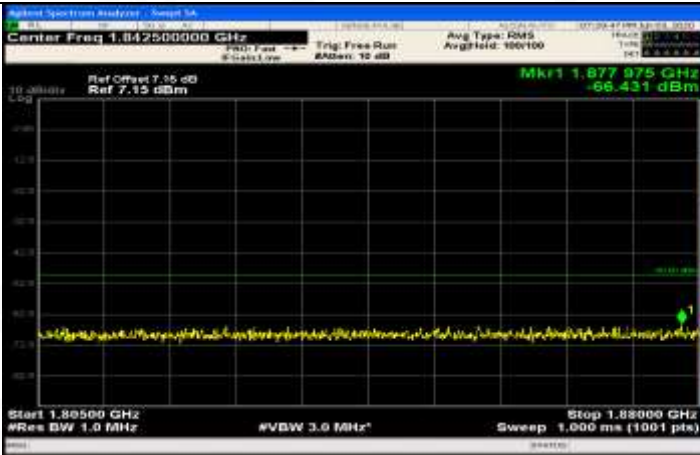
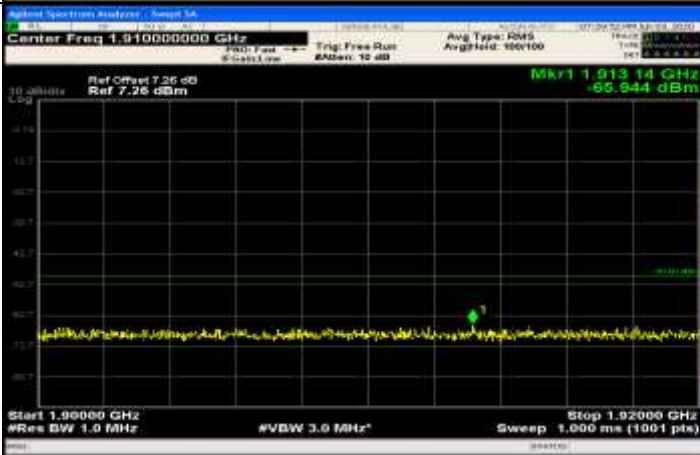
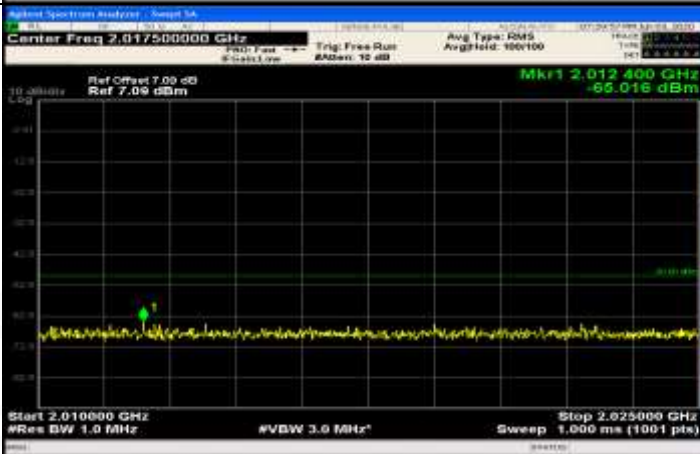
General			
General			

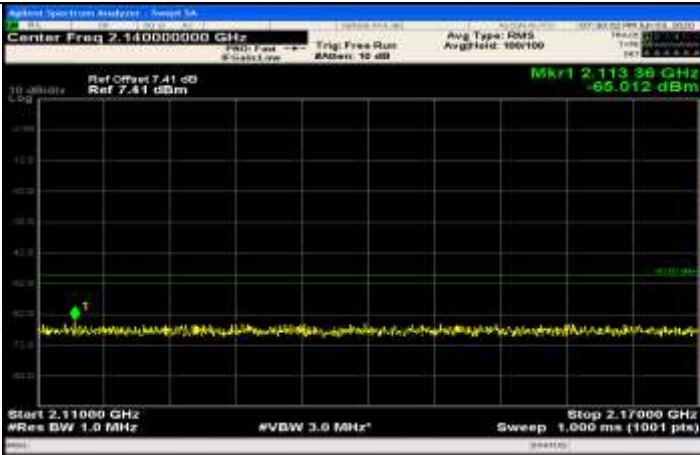
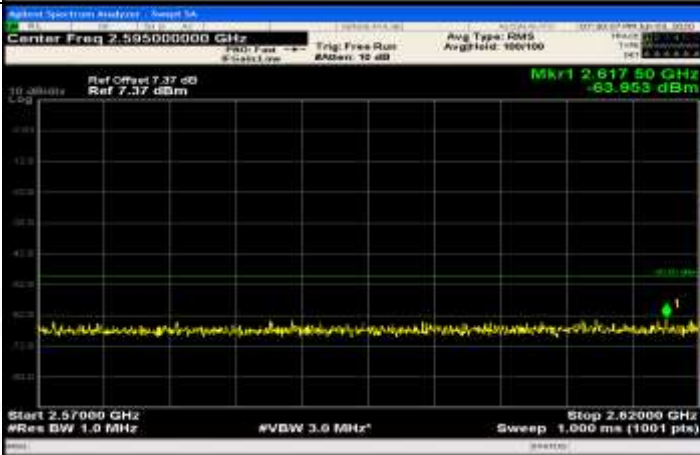
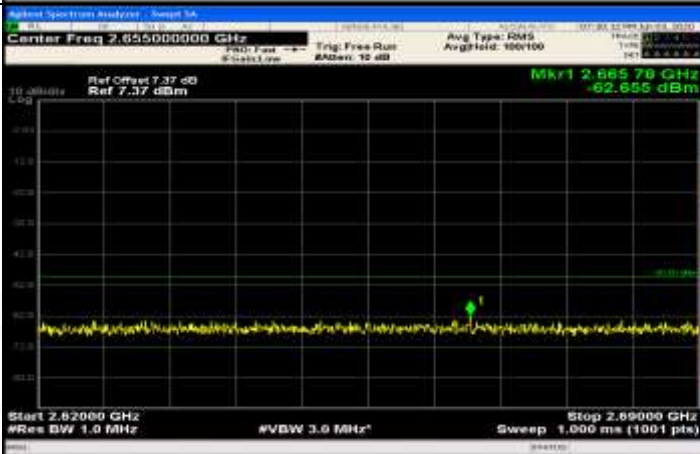


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 16.71 dBm Mkr1 904.94 MHz -72.388 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.353350000 GHz Ref Offset 7.59 dB Ref 27.10 dBm Mkr1 1.9864 GHz -46.318 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7067 GHz Sweep 1.000 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.357350000 GHz Ref Offset 7.23 dB Ref 27.23 dBm Mkr1 3.154 GHz -48.253 dBm Start 1.715 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.533 ms (1001 pts)</p>

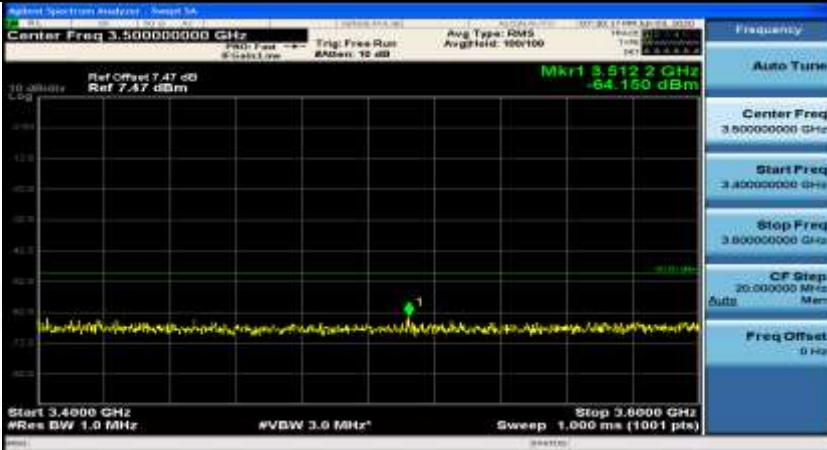
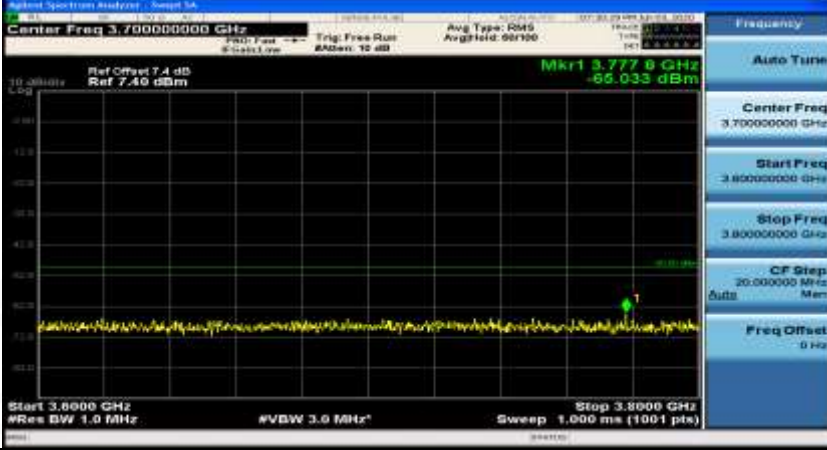



General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


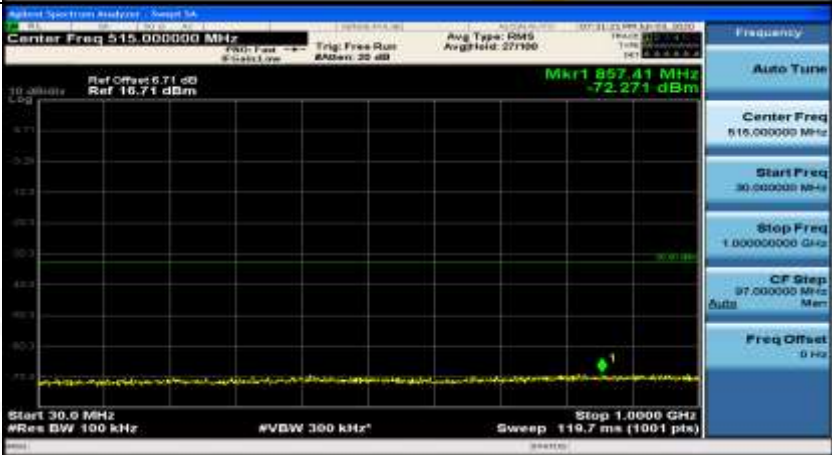

Co-existence	
Co-existence	
Co-existence	



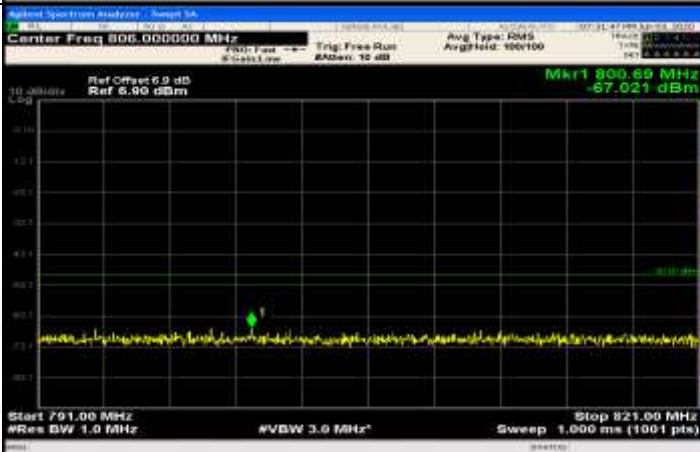


Co-existence	
Co-existence	
Additional	NA

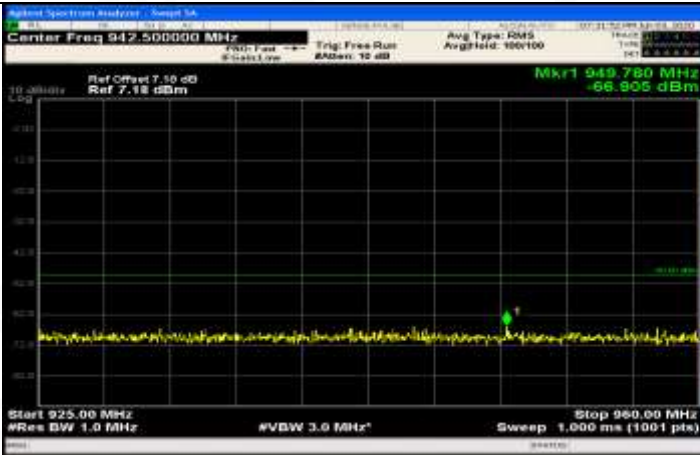
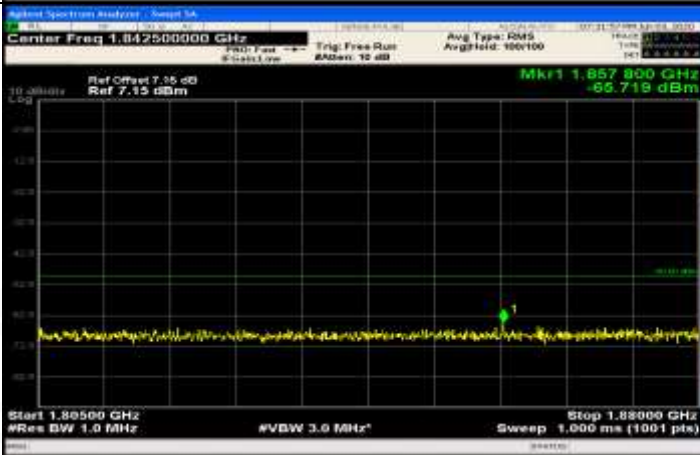
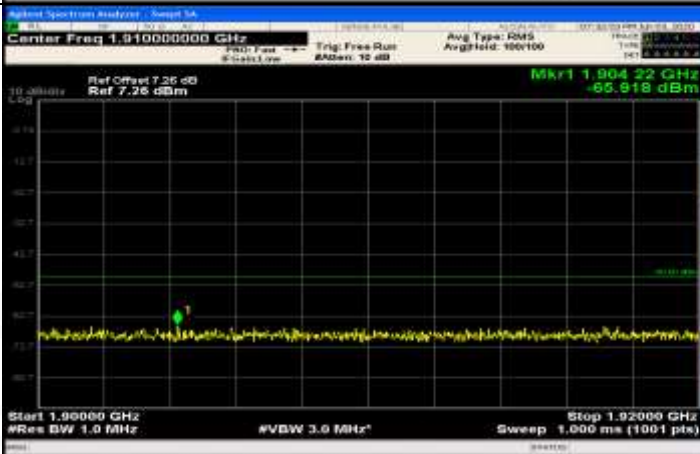
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_1RB#max	
General	

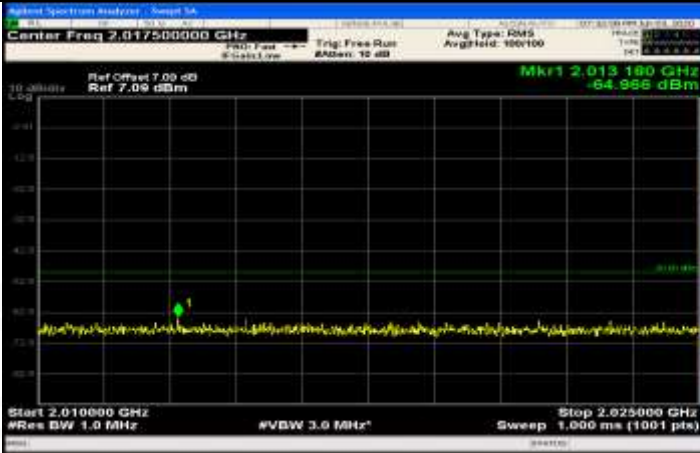
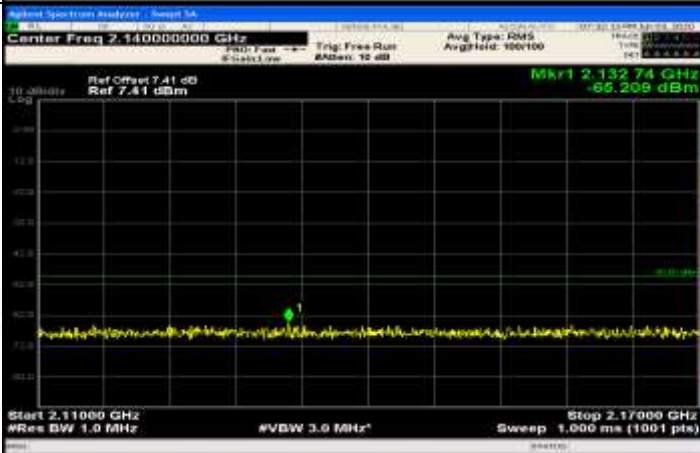
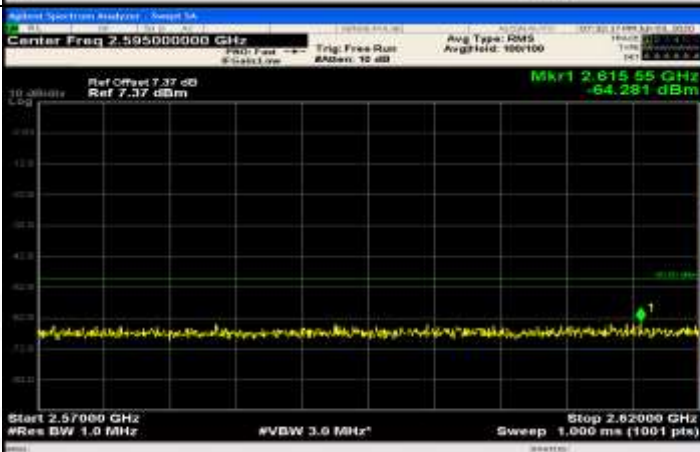


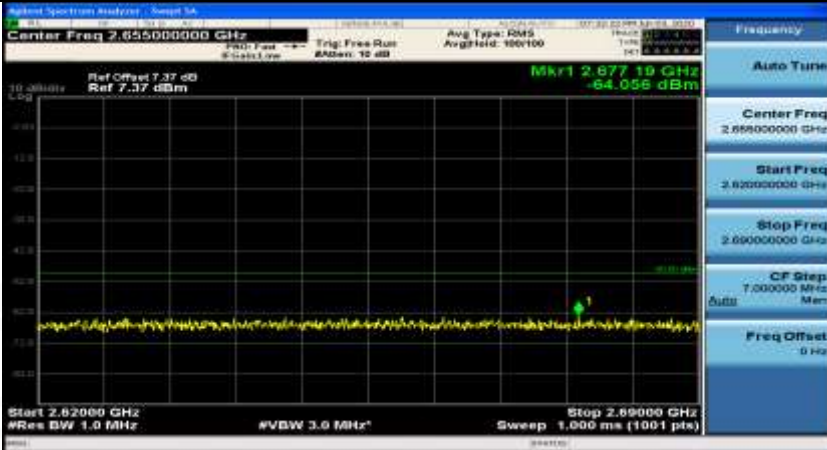
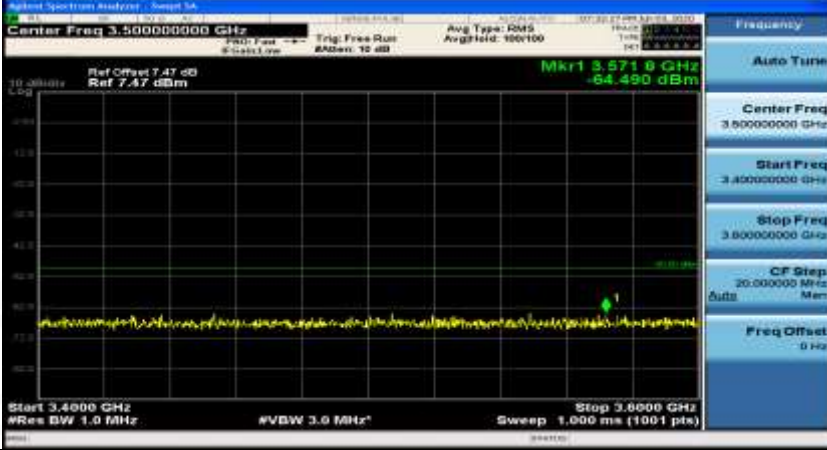
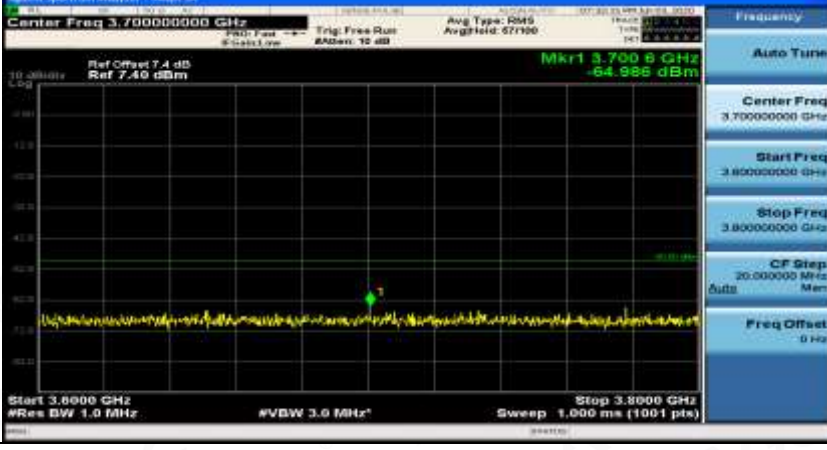
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -46.131 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts) #VBW 30 kHz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 16.71 dBm Mkr1 857.41 MHz -72.271 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts) #VBW 300 kHz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.353350000 GHz Ref Offset 7.59 dB Ref 27.19 dBm Mkr1 1.185 0 GHz -46.938 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7067 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz</p>

General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	


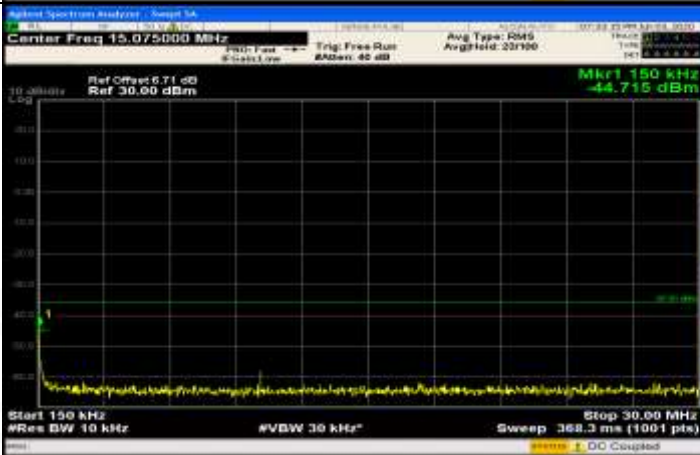
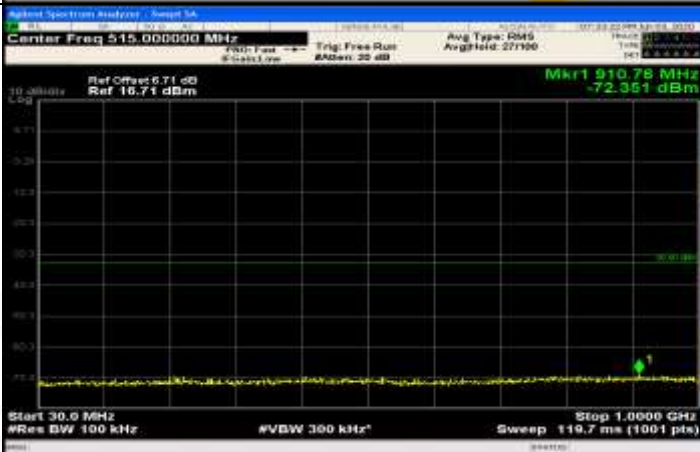
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.01750000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.013 180 GHz -64.986 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.14000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.132 74 GHz -65.209 dBm Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.59500000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.615 55 GHz -64.284 dBm Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>

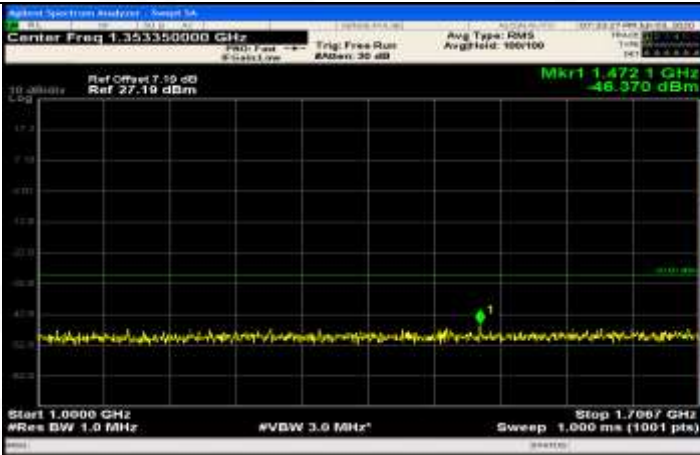


Co-existence	
Co-existence	
Co-existence	
Additional	NA

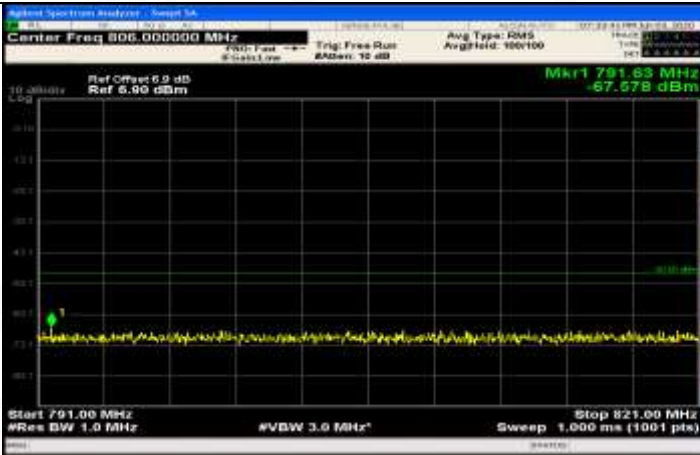
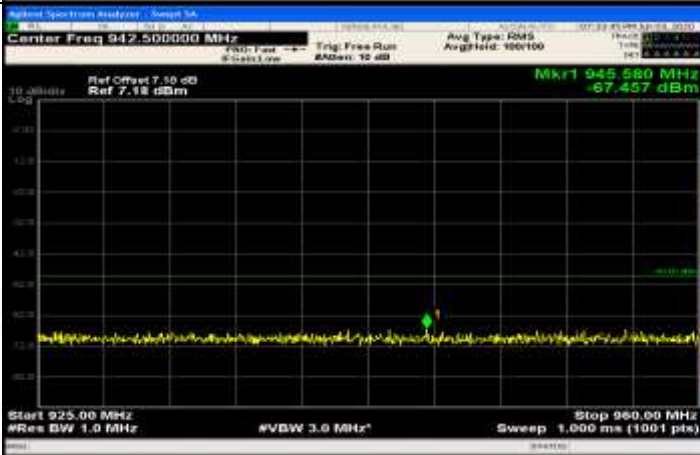
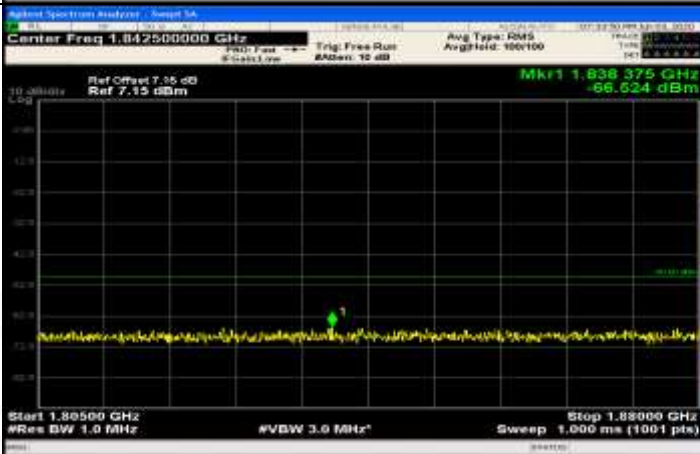
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_FullRB#0



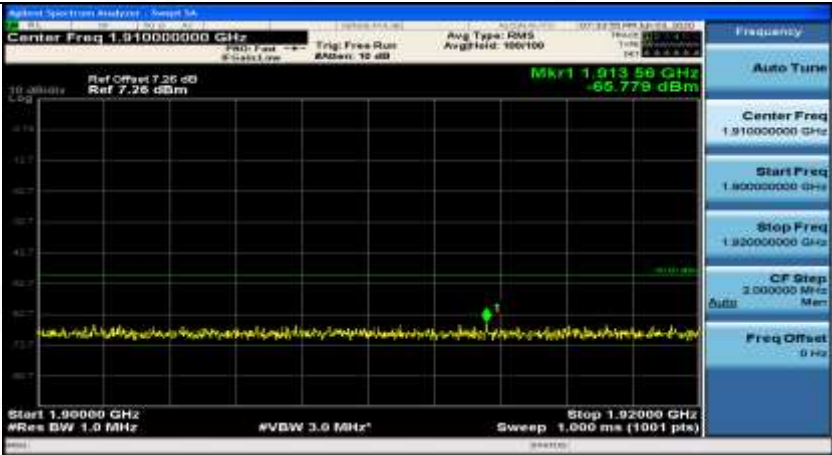
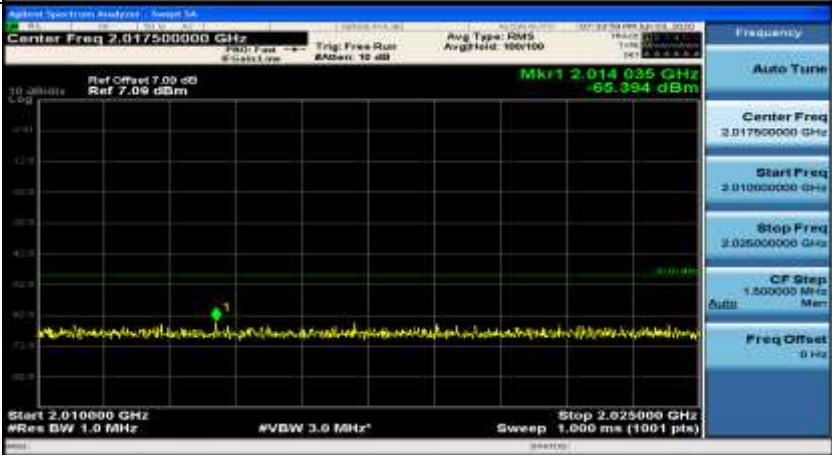
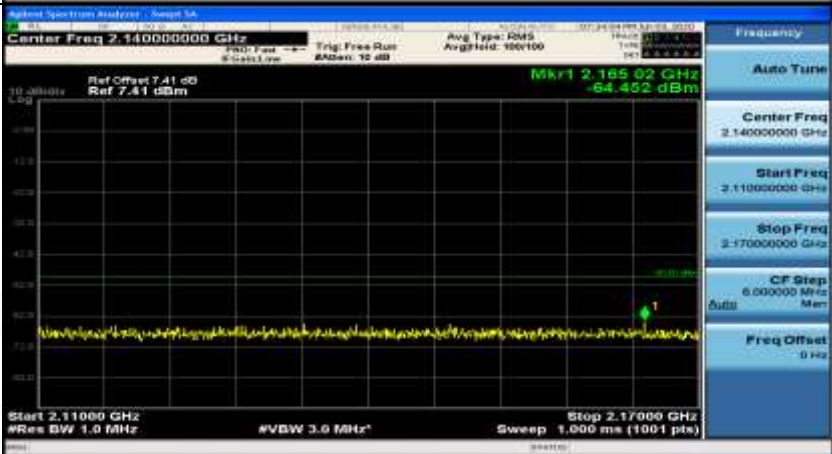


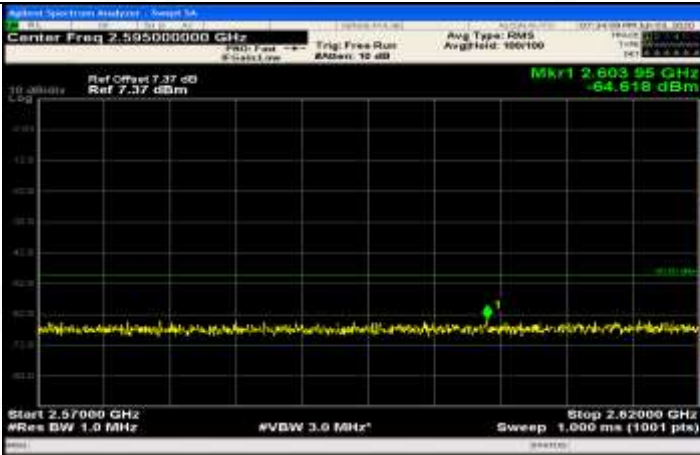
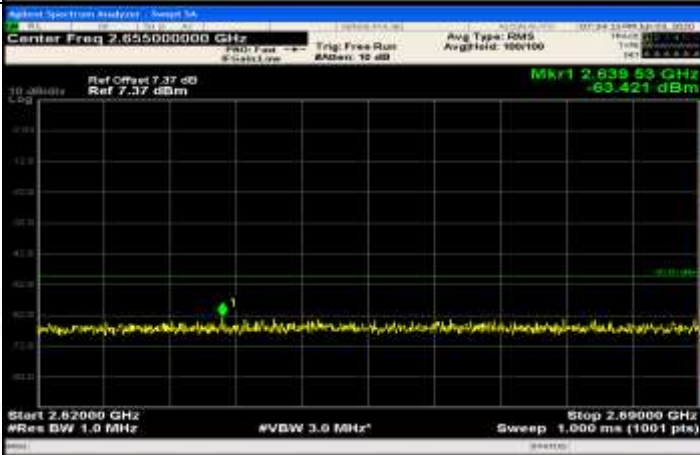
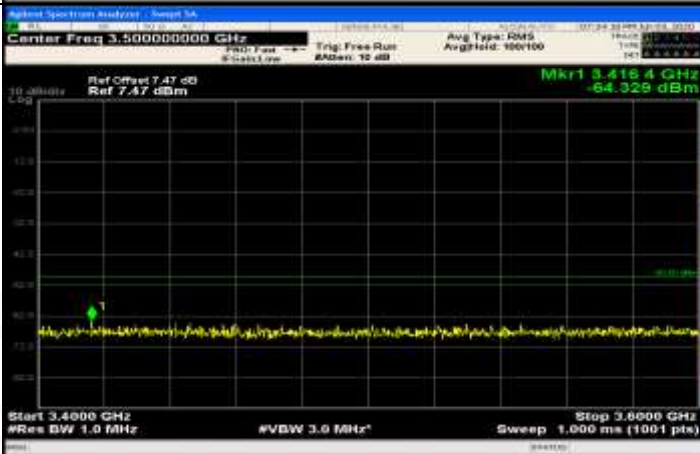
General	
General	
General	

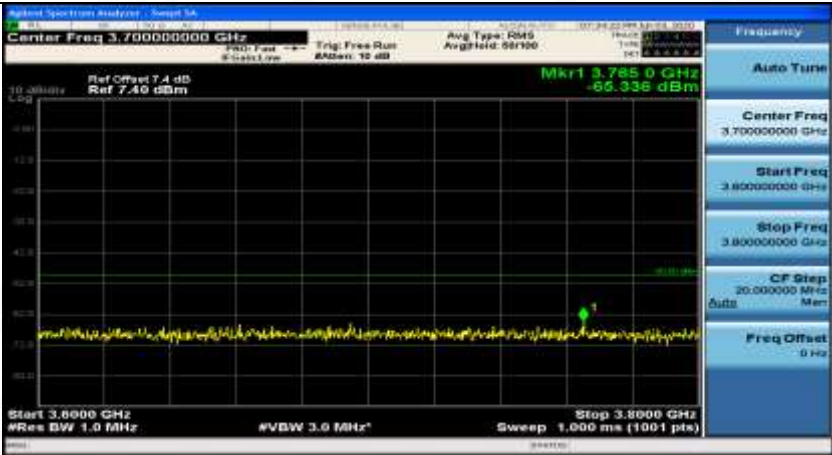
General	
General	
General	

Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

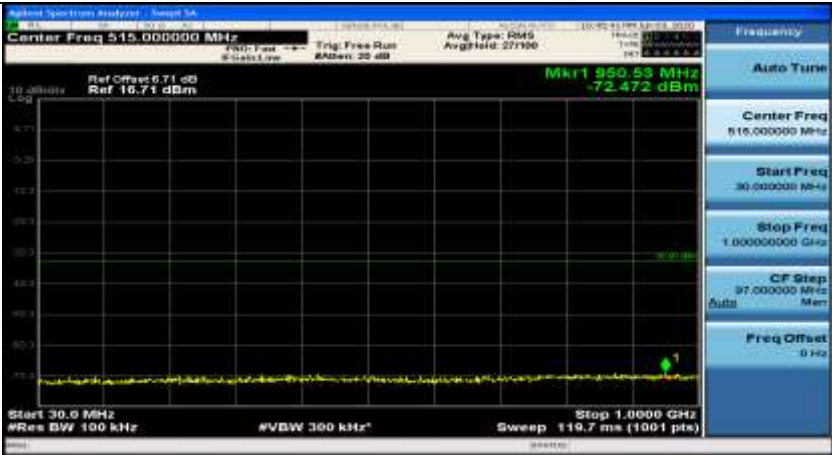


Co-existence	
Co-existence	
Co-existence	


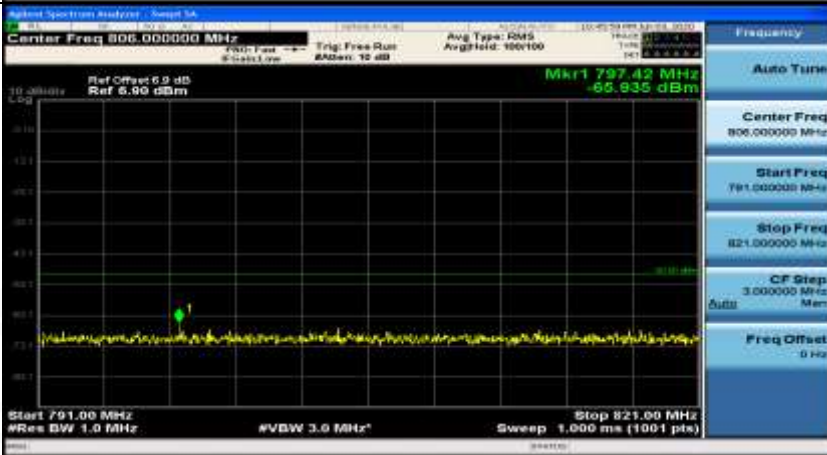
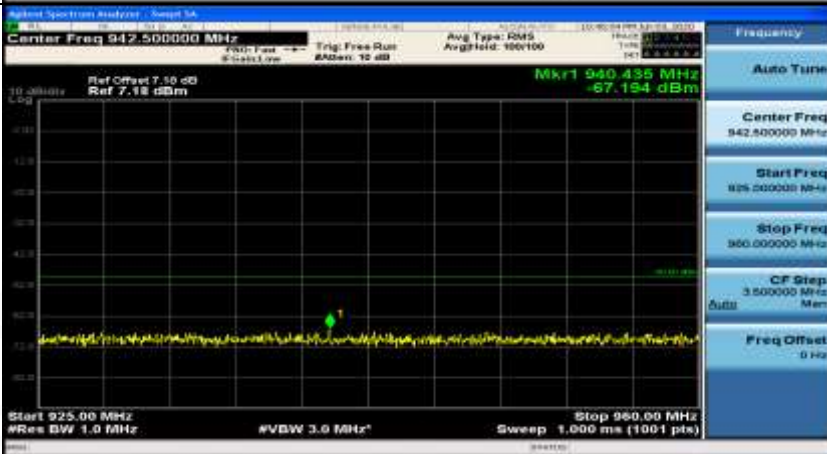
Co-existence	
Additional	NA

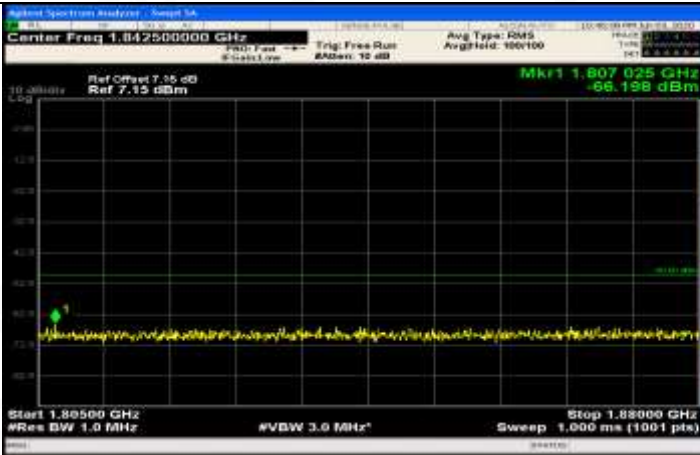
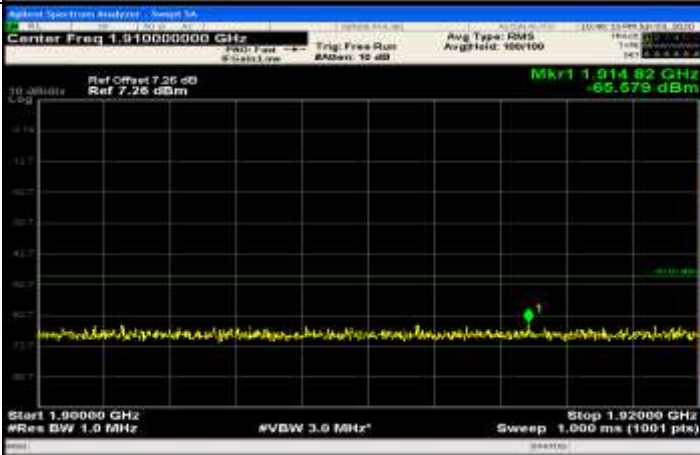
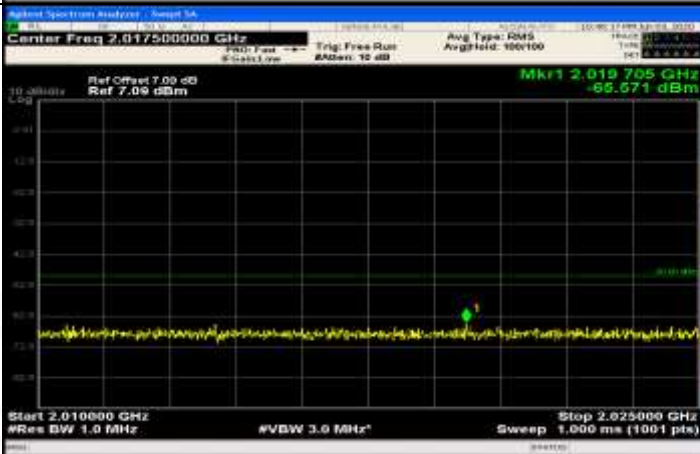
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_1RB#0

General	
General	

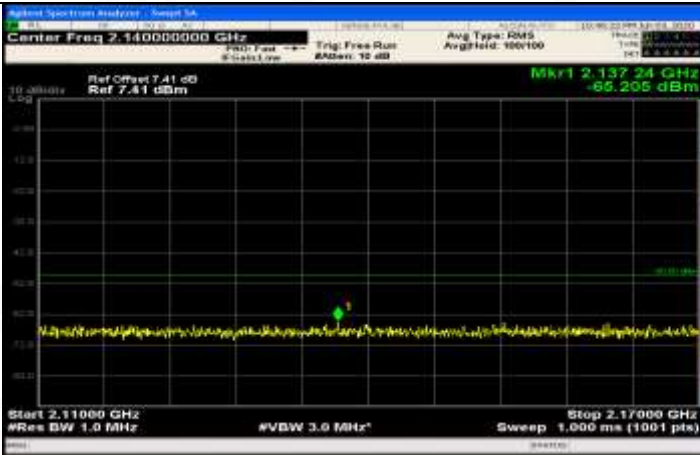
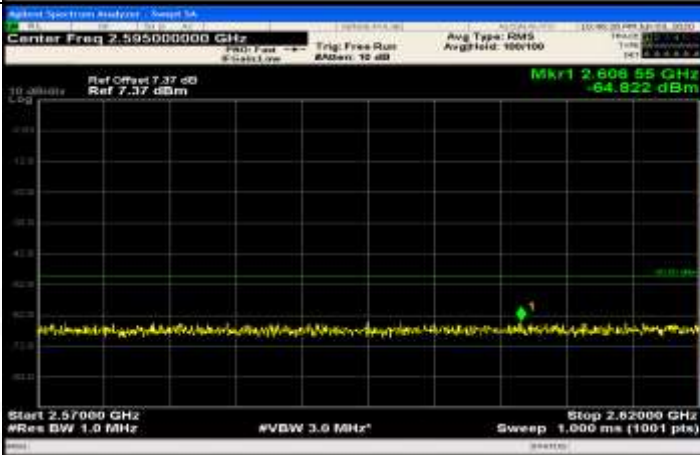
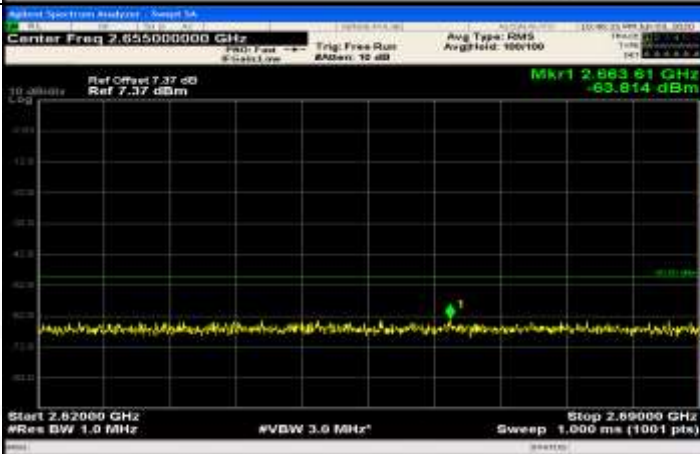


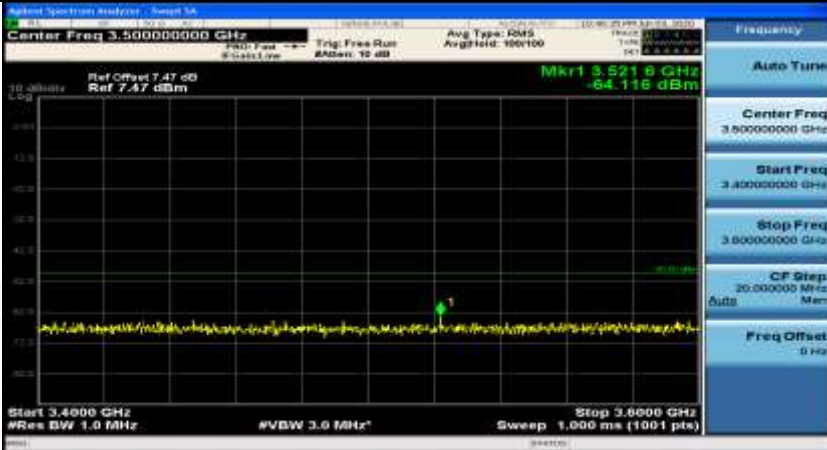
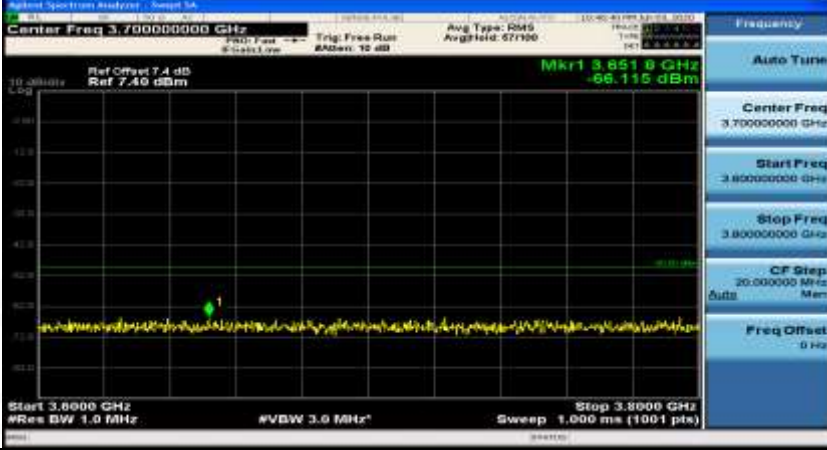
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 16.71 dBm Mkr1 950.53 MHz -72.472 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.37175000 GHz Ref Offset 7.50 dB Ref 27.10 dBm Mkr1 1.3851 GHz -46.935 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7435 GHz Sweep 1.000 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.37575000 GHz Ref Offset 7.35 dB Ref 27.15 dBm Mkr1 2.674 GHz -47.587 dBm Start 1.752 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.467 ms (1001 pts)</p>


General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



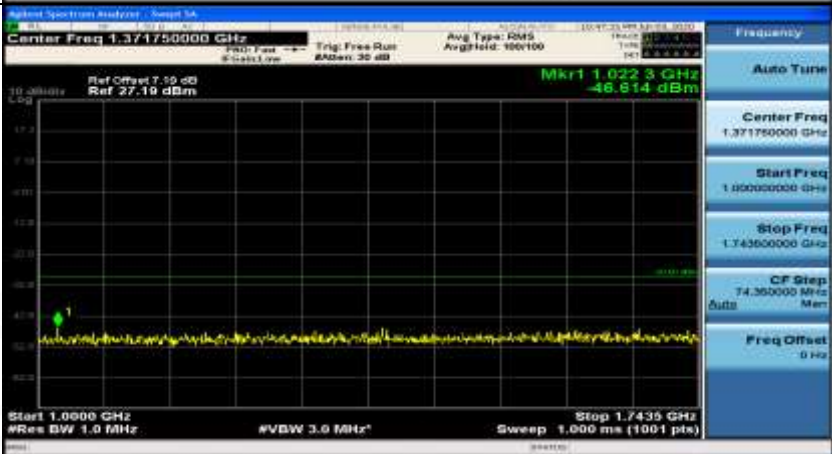


Co-existence	
Co-existence	
Co-existence	


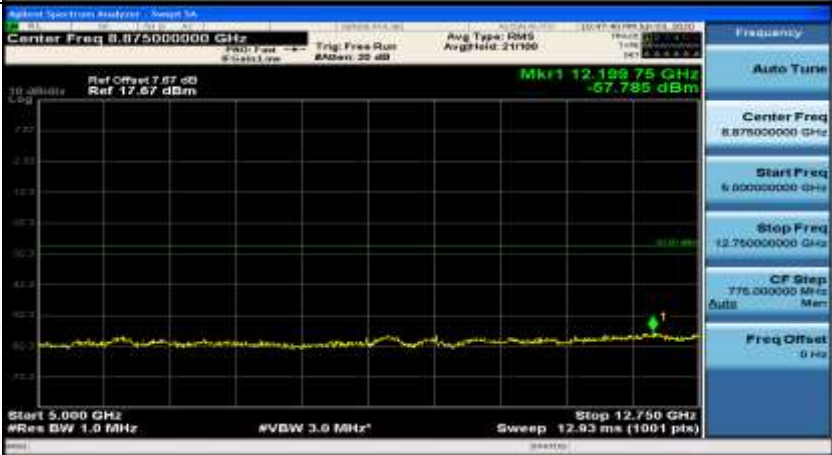
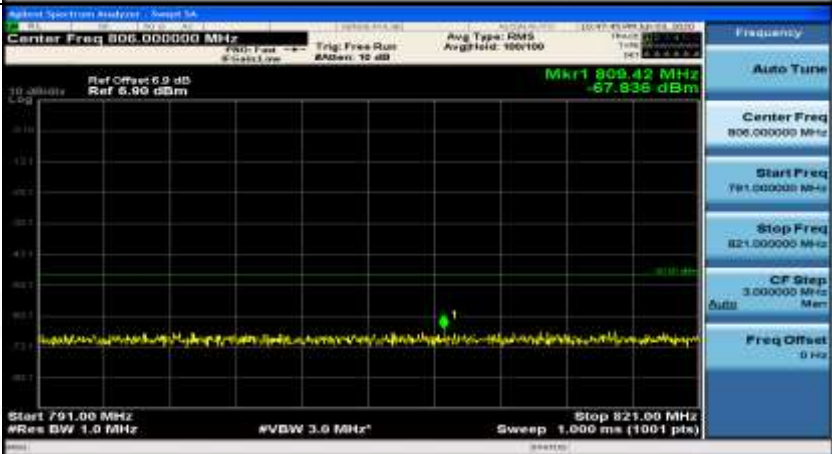
Co-existence	
Co-existence	
Additional	NA

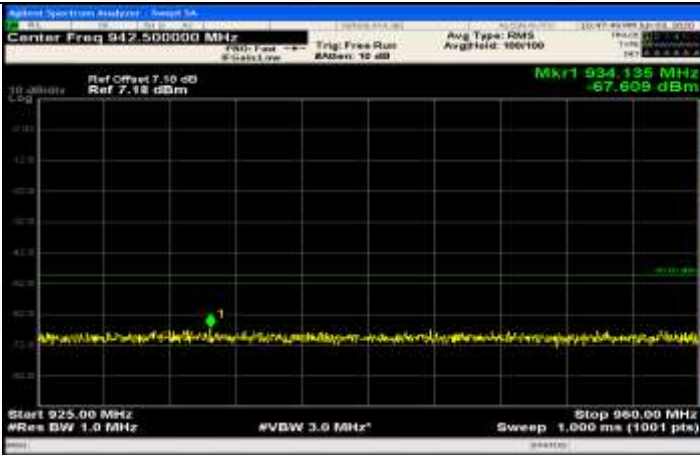
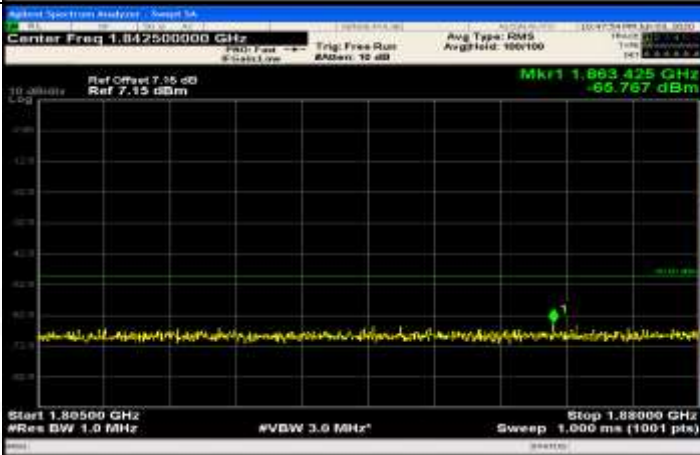
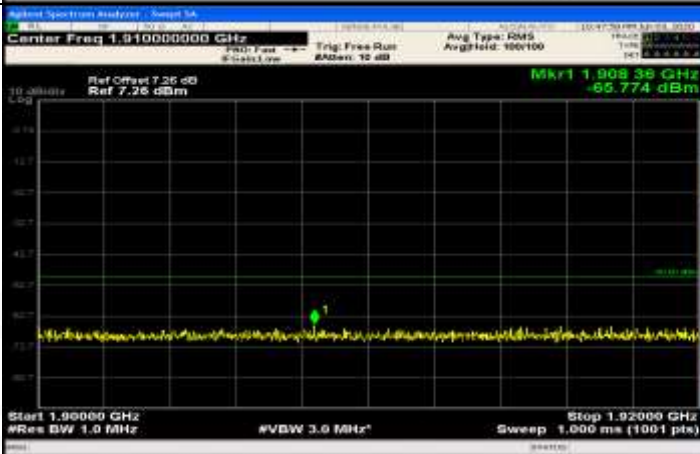
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General	

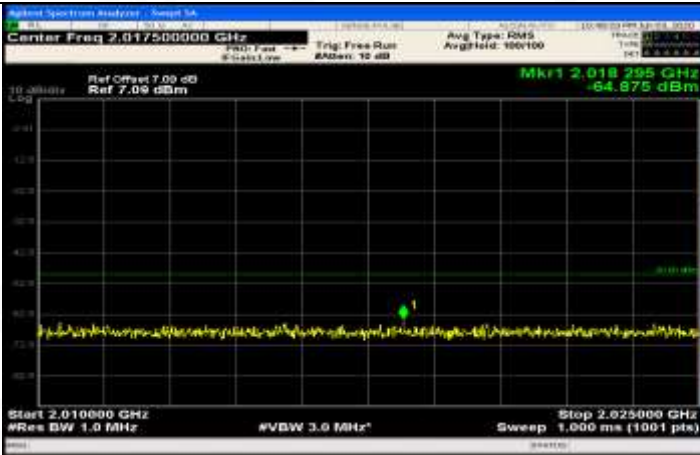
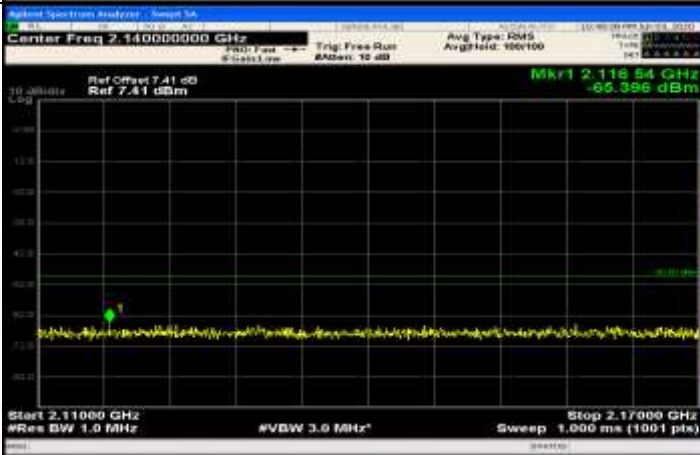
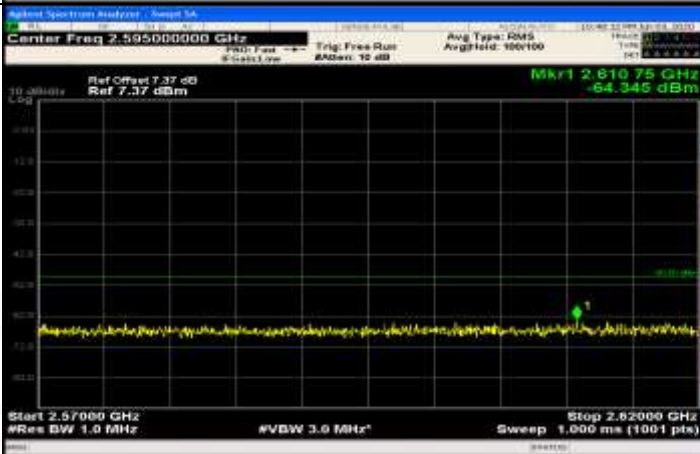


General	
General	
General	

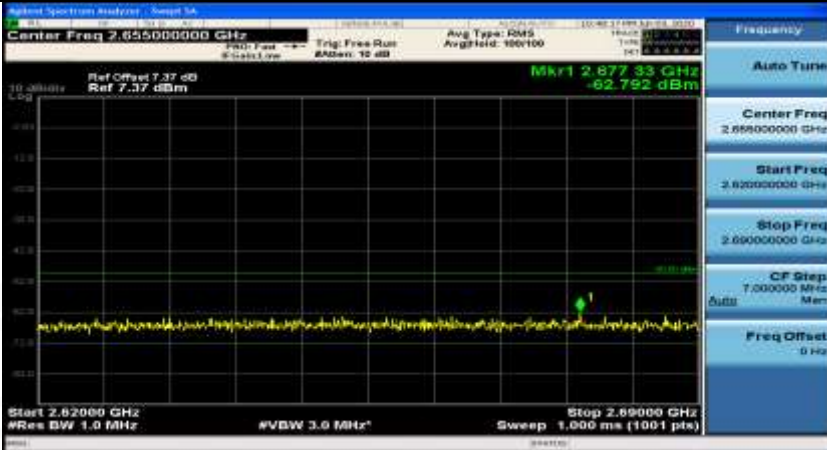
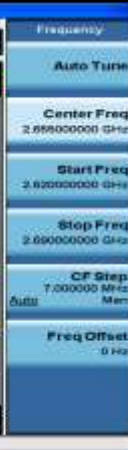
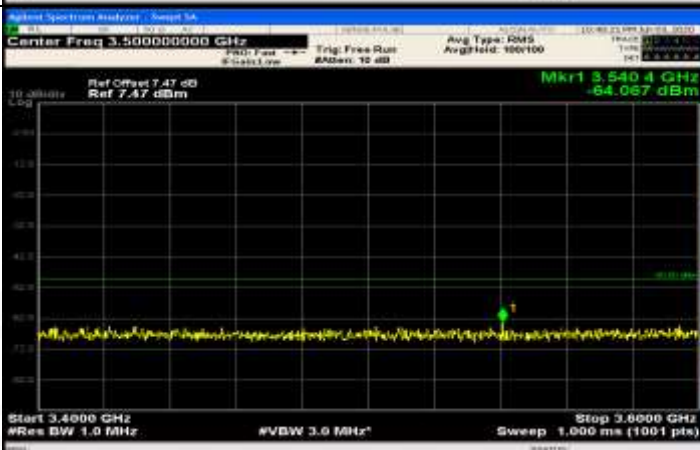
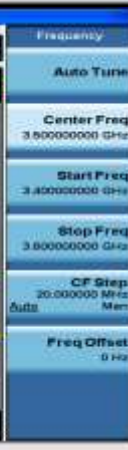
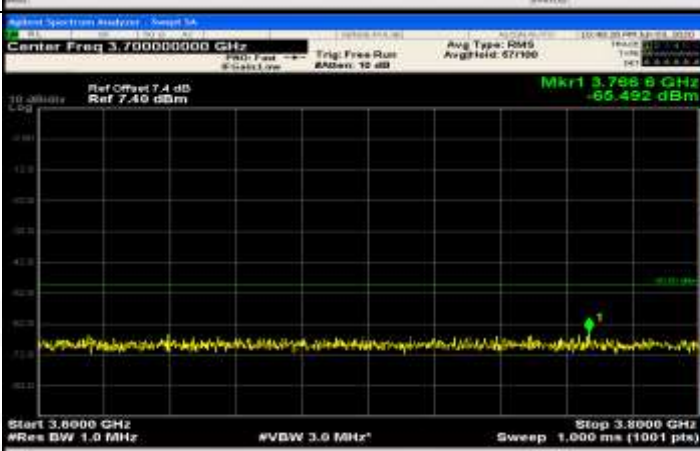



General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.375750000 GHz Ref Offset 7.35 dB Ref 27.15 dBm Mkr1 3.340 GHz -48.957 dBm Start 1.752 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.467 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 3.375750000 GHz Start Freq 1.751000000 GHz Stop Freq 5.000000000 GHz CF Step 324.8500000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 17.67 dBm Mkr1 12.198 75 GHz -67.785 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 8.875000000 GHz Start Freq 5.000000000 GHz Stop Freq 12.750000000 GHz CF Step 775.0000000 MHz Auto Mem Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.0000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 805.42 MHz -67.935 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 806.0000000 MHz Start Freq 791.0000000 MHz Stop Freq 821.0000000 MHz CF Step 3.0000000 MHz Auto Mem Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	



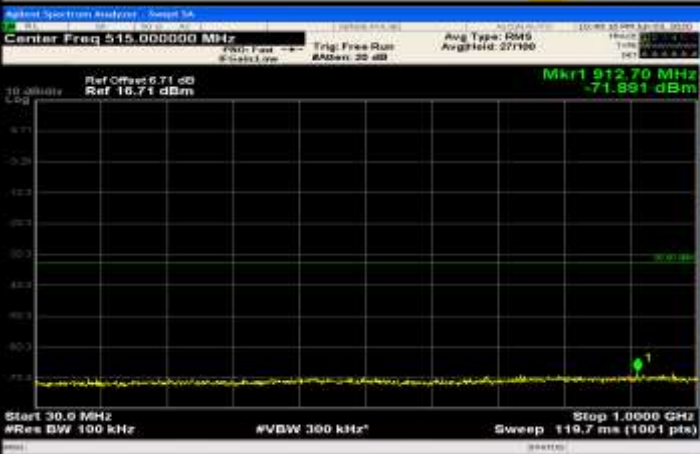
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

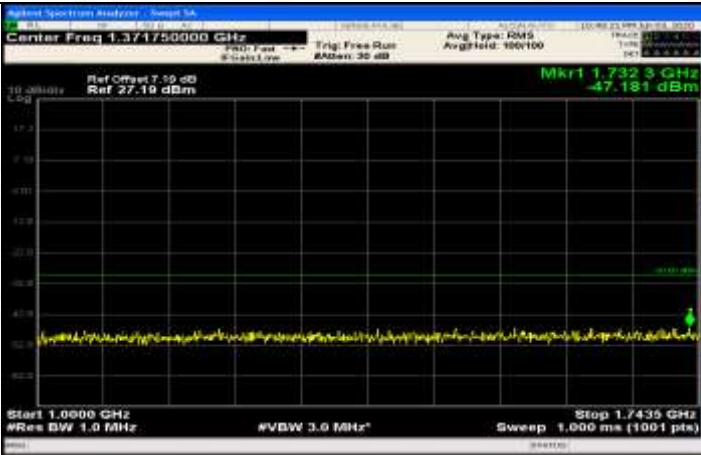




Co-existence		
Co-existence		
Co-existence		
Additional	NA	

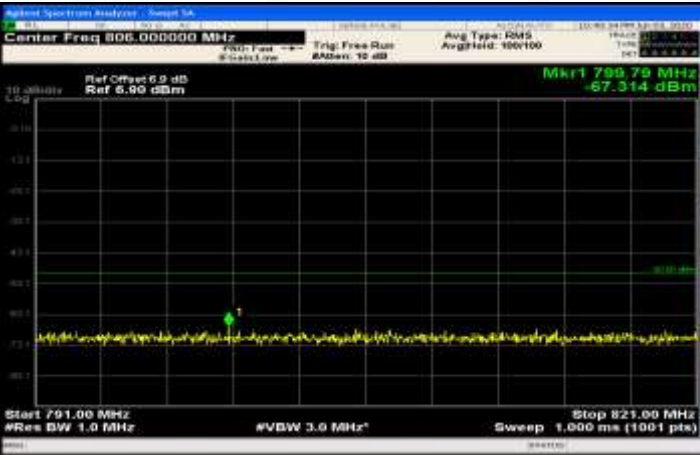
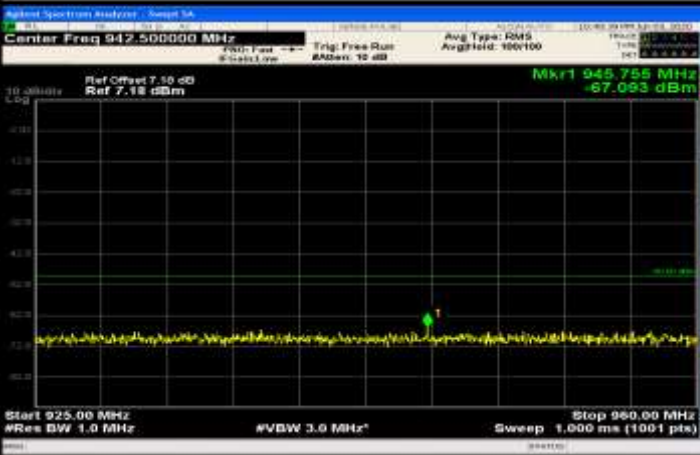
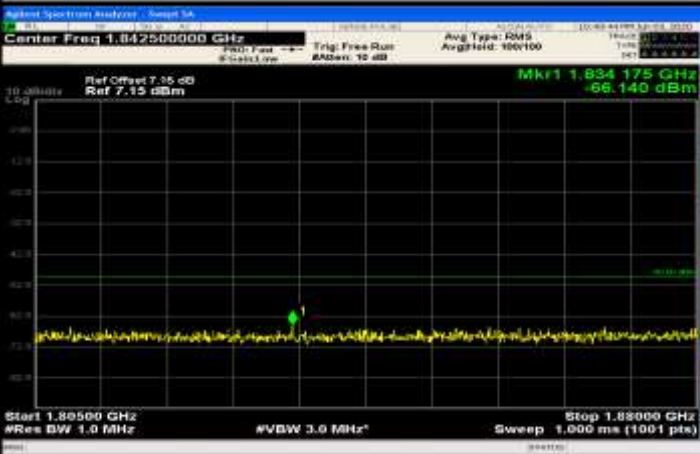
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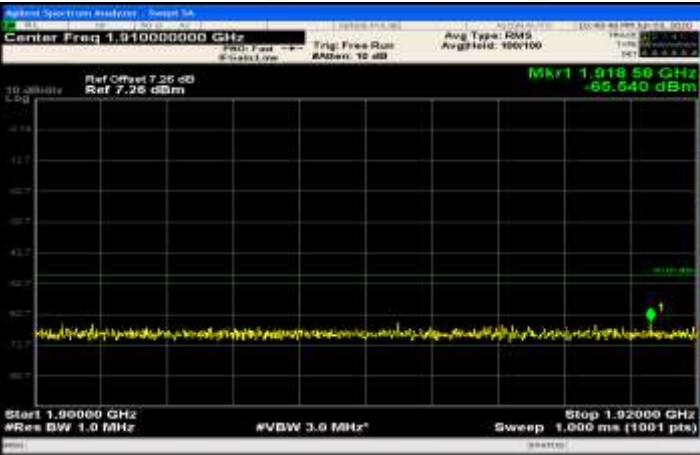
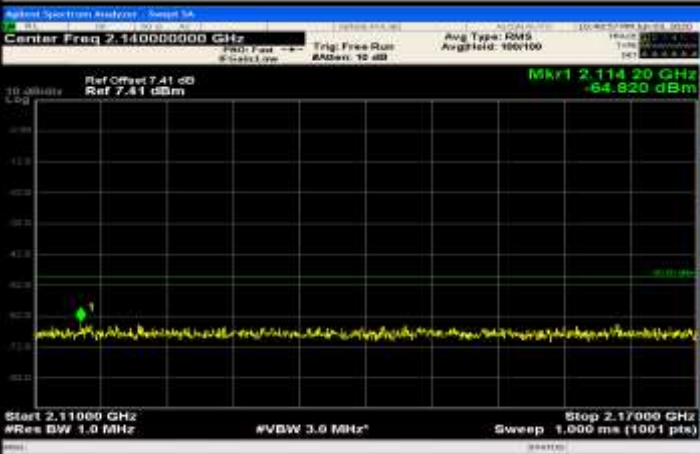


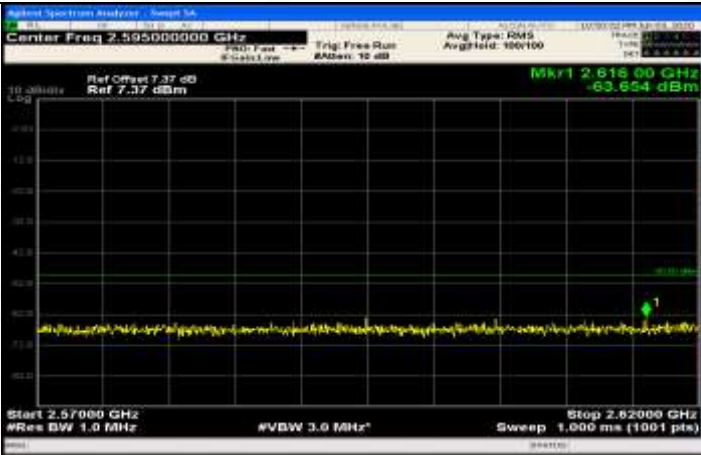
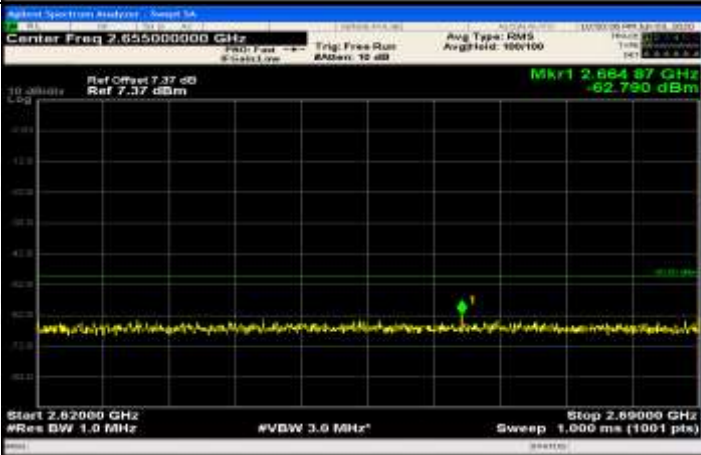
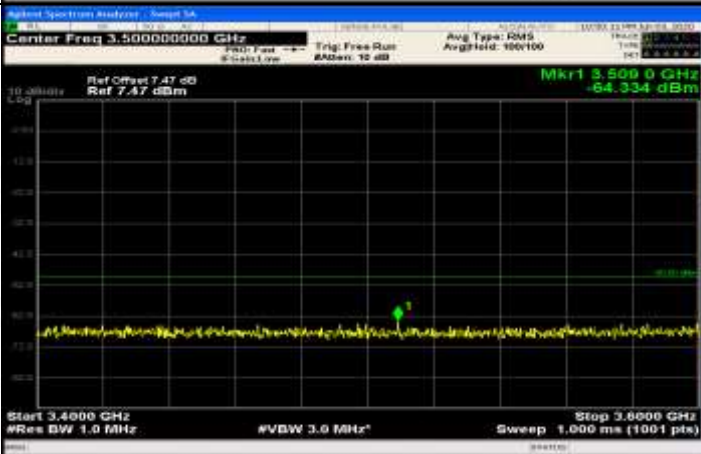
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.985000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.371750000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.743500000 GHz</p> <p>CF Step 74.3500000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.375750000 GHz</p> <p>Start Freq 1.751000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 324.8500000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 5.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.0000000 MHz</p> <p>Freq Offset 0 Hz</p>

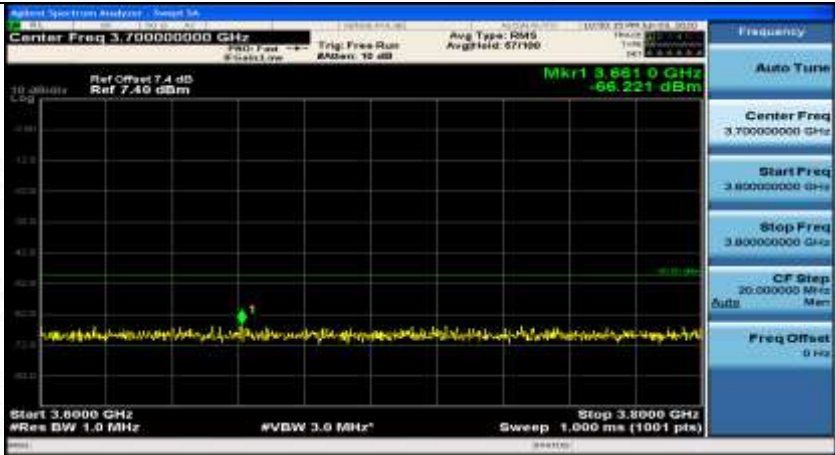


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 781.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.83600000 GHz</p> <p>Stop Freq 1.85000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.400000000 GHz</p> <p>Stop Freq 3.600000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>


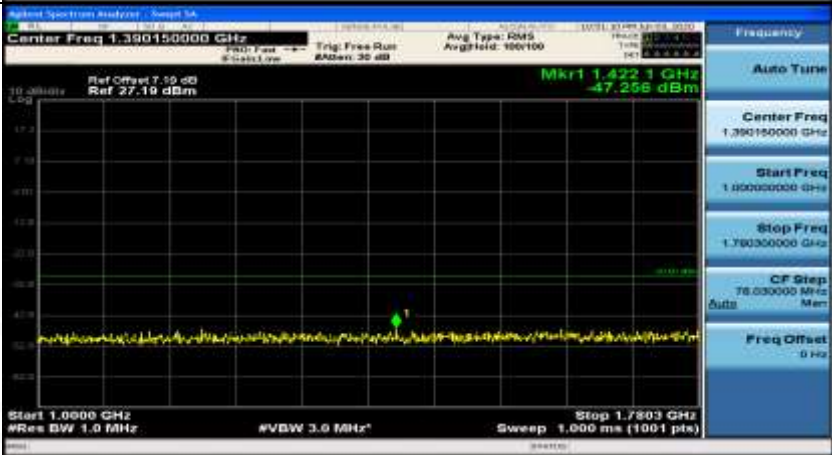




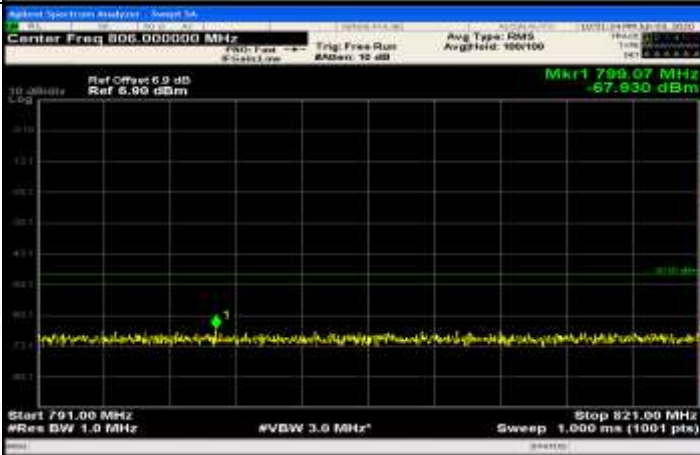
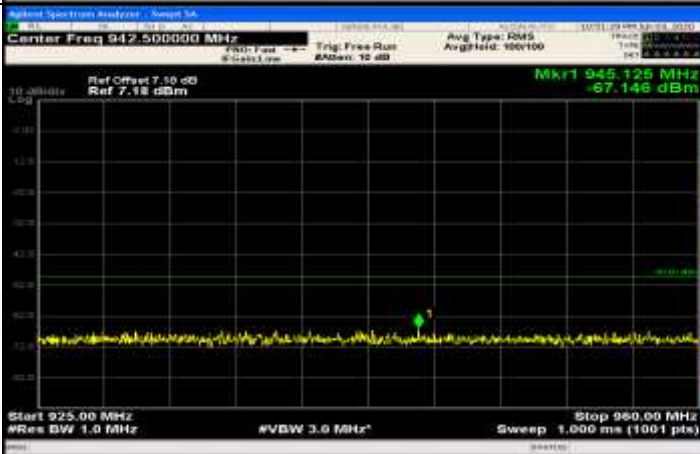
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_1RB#0

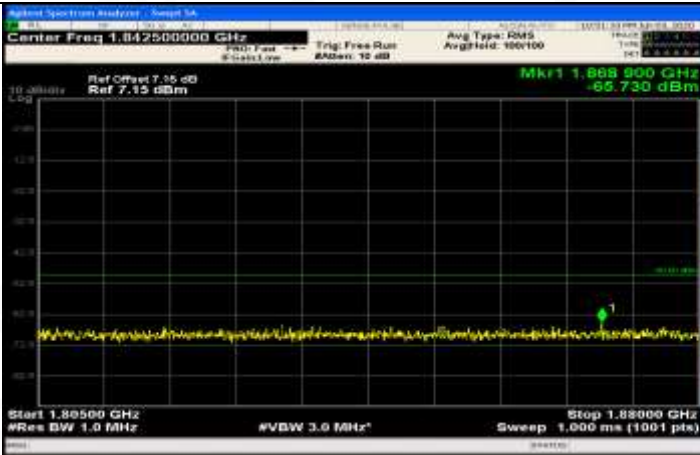
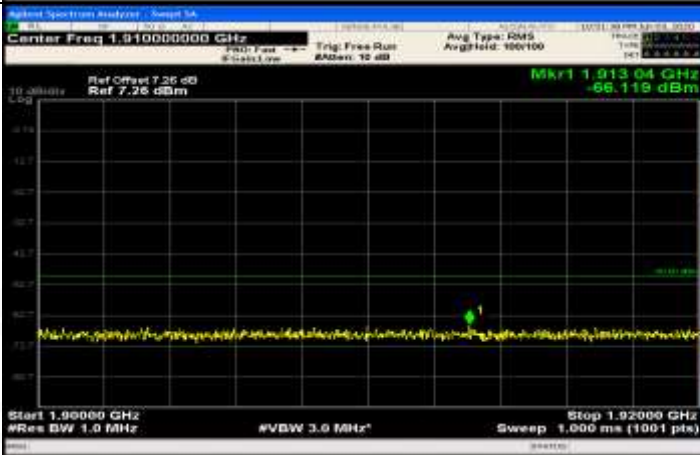
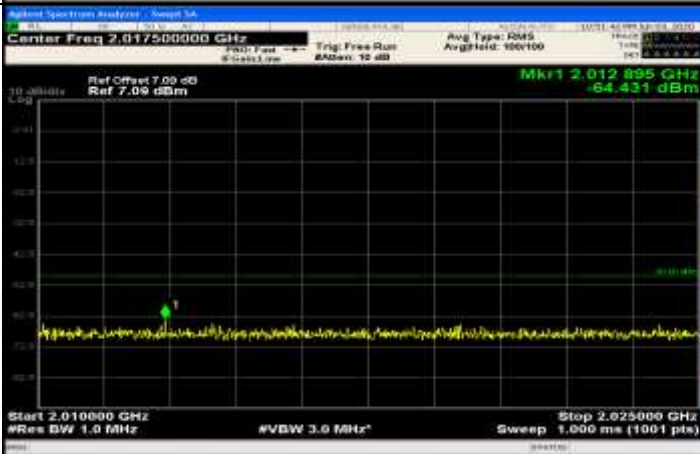
General	
General	

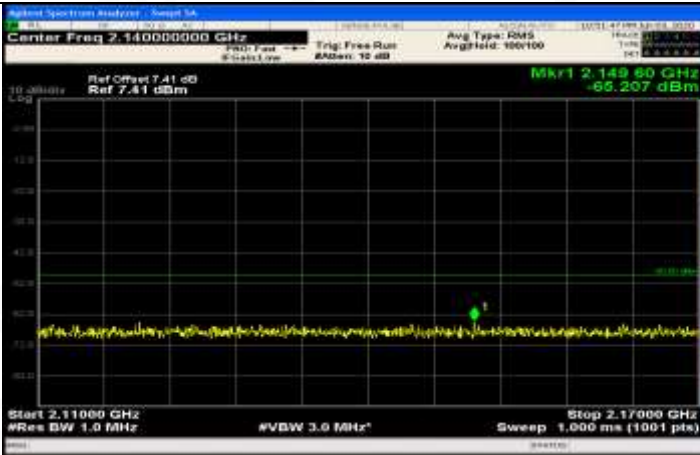
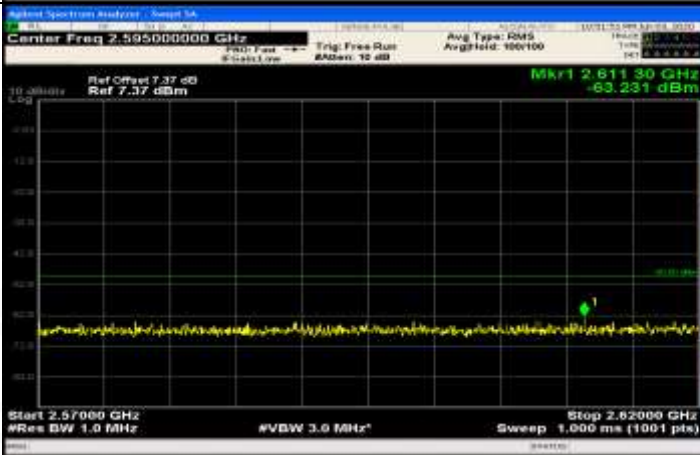
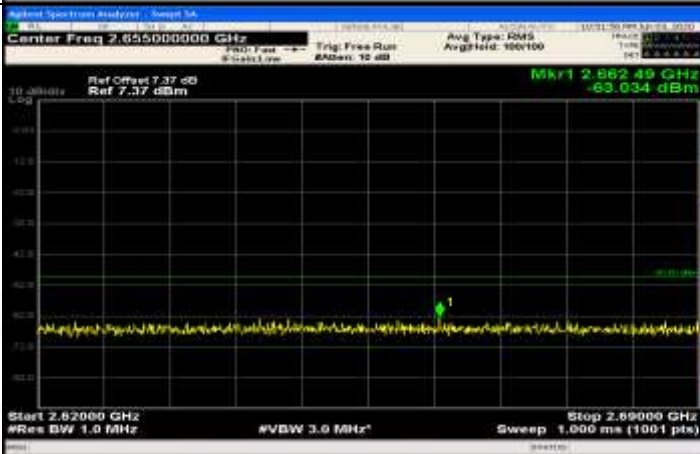


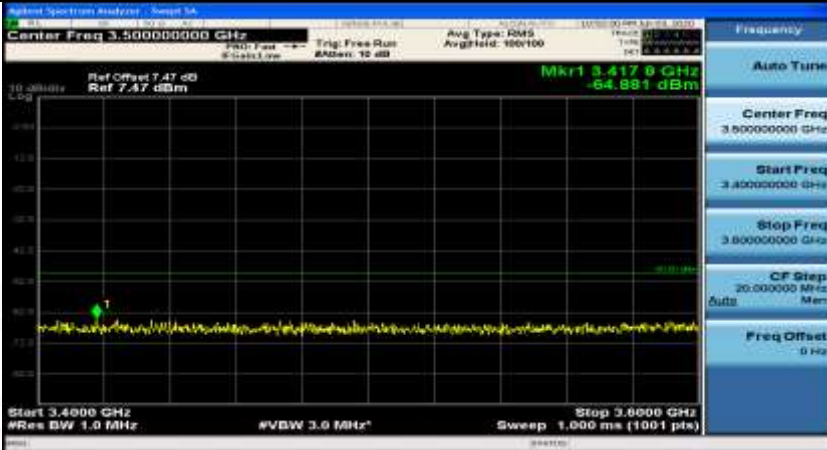
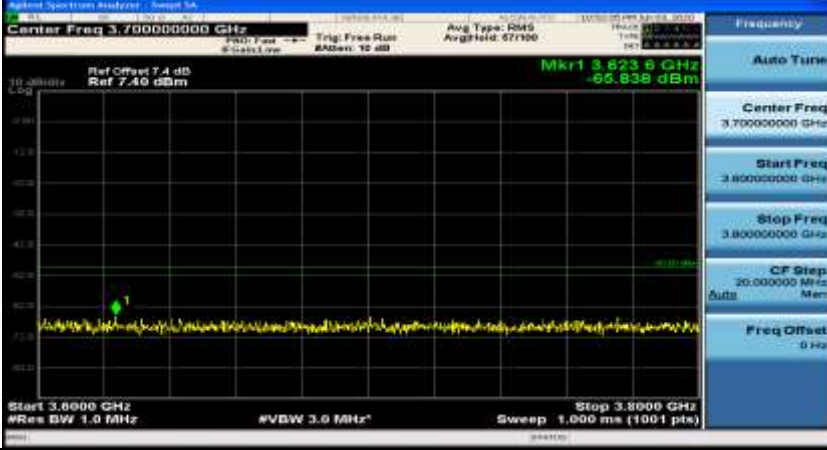
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 16.71 dBm Mkr1 740.04 MHz -72.293 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.390150000 GHz Ref Offset 7.50 dB Ref 27.10 dBm Mkr1 1.4221 GHz -47.256 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7803 GHz Sweep 1.000 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.394150000 GHz Ref Offset 7.35 dB Ref 27.15 dBm Mkr1 4.929 GHz -48.114 dBm Start 1.728 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.400 ms (1001 pts)</p>


General	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	


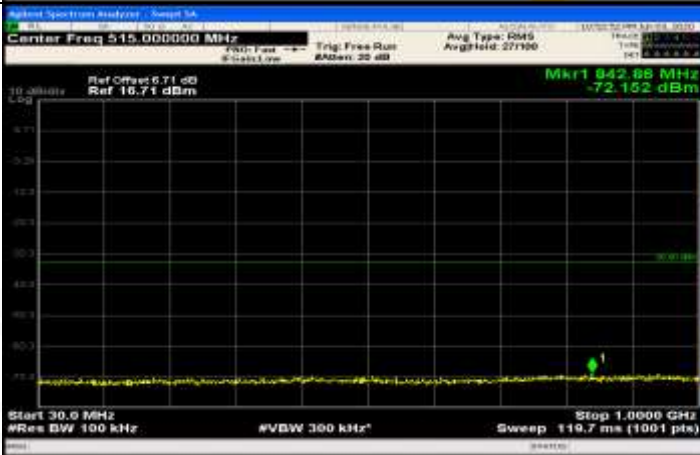
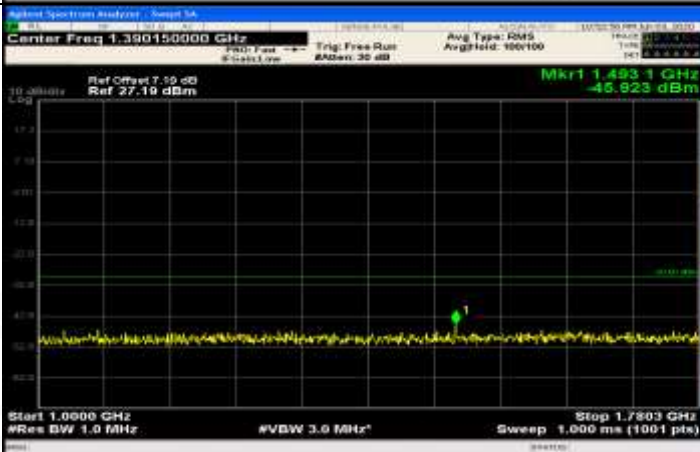
Co-existence	
Co-existence	
Co-existence	

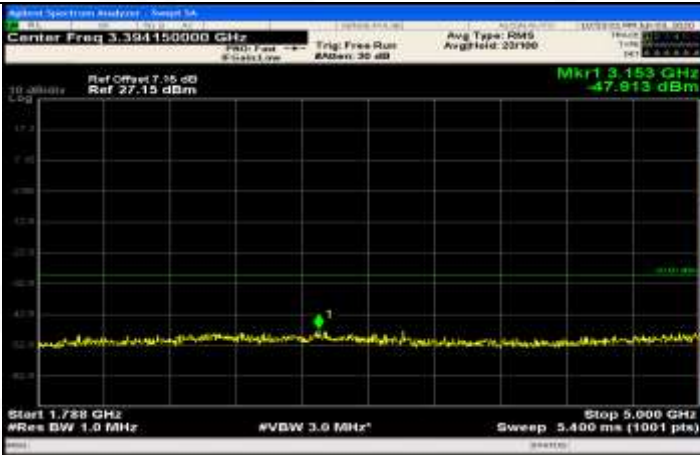

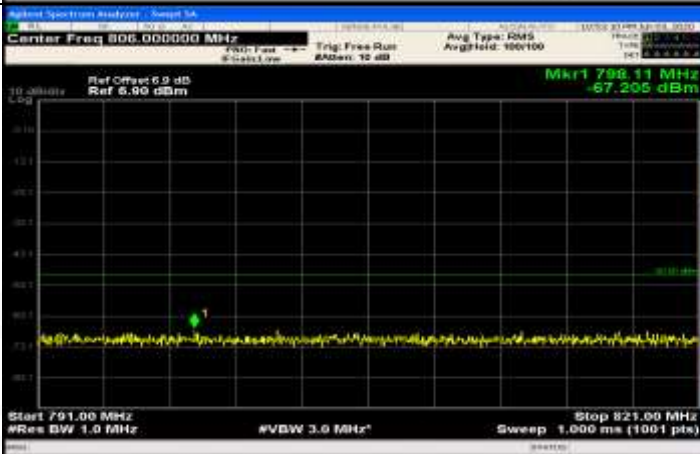
Co-existence	
Co-existence	
Additional	NA

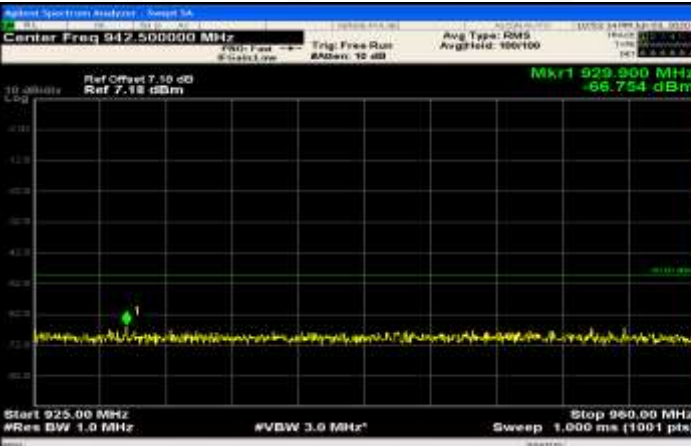

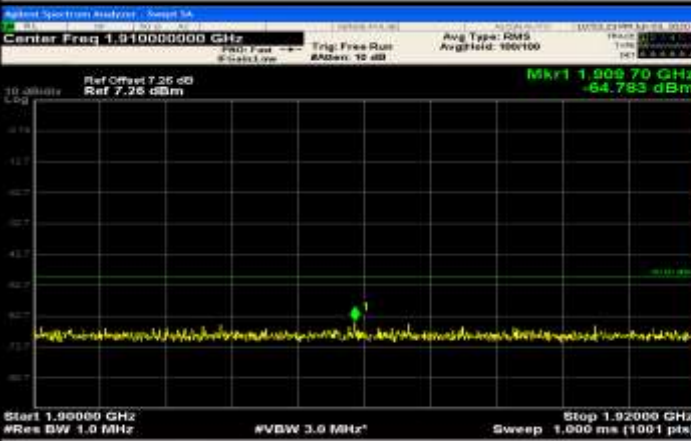
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#max	
General	



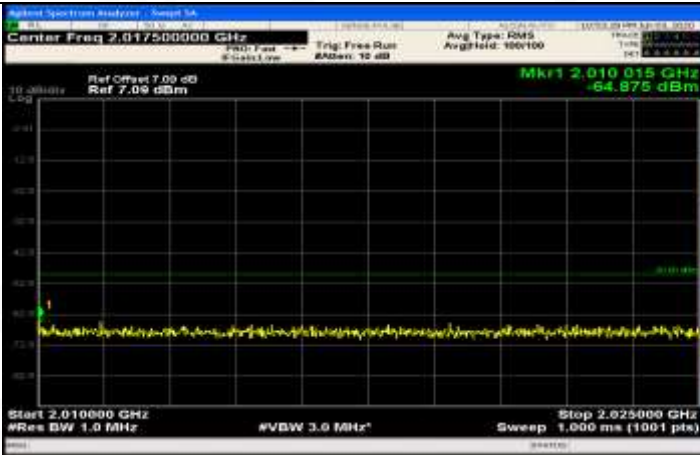
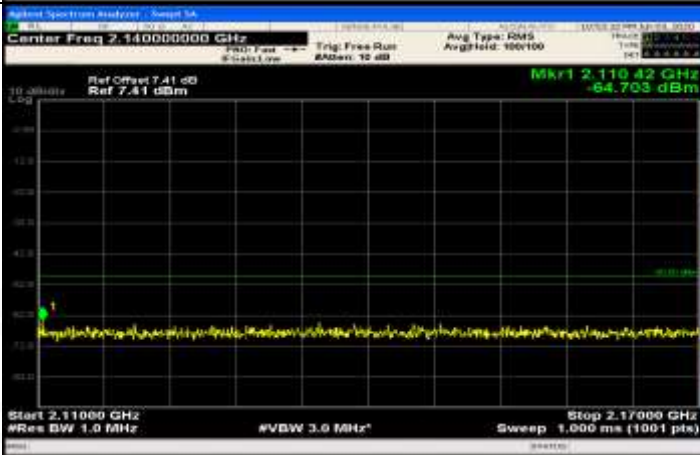
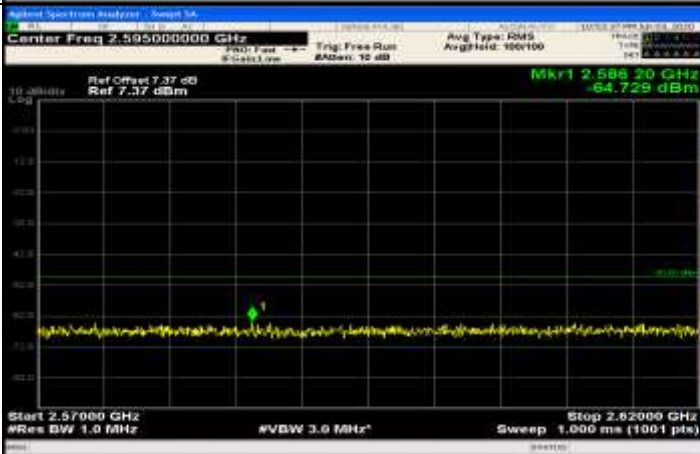


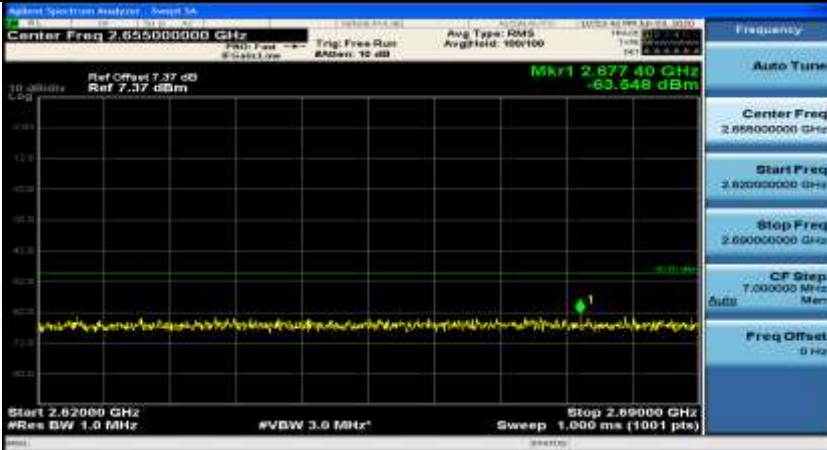
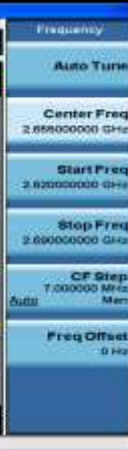
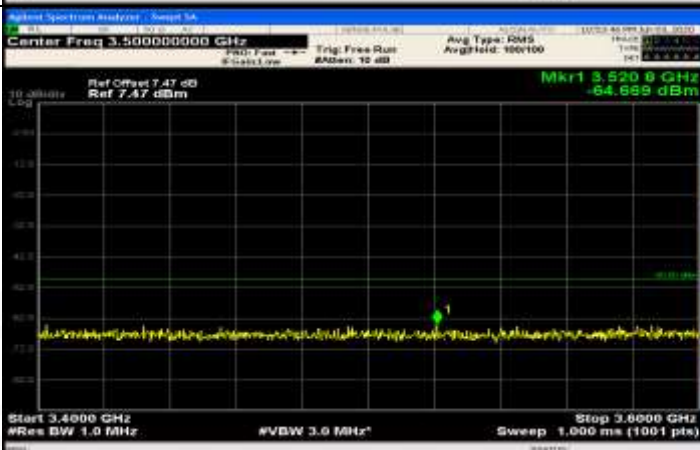
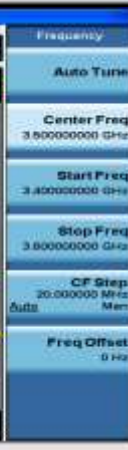
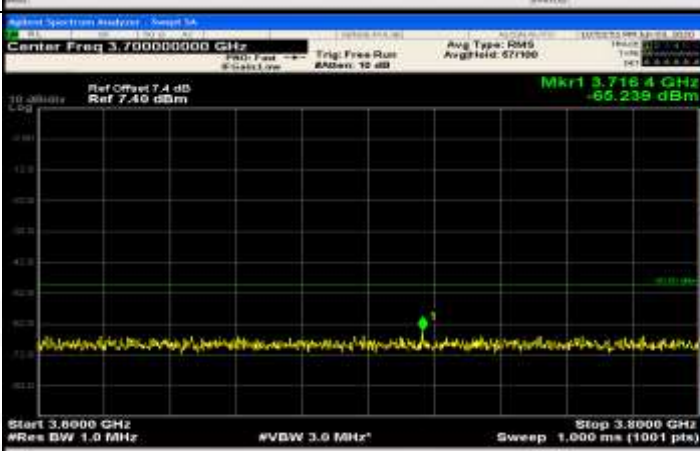

General	
General	
General	

General	
General	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 895.000000 MHz</p> <p>Stop Freq 990.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.800000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.800000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>






Co-existence	
Co-existence	
Co-existence	

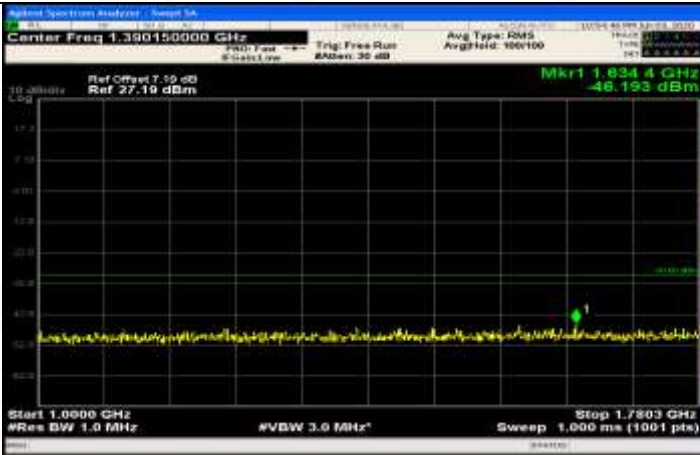


Co-existence		
Co-existence		
Co-existence		
Additional	NA	

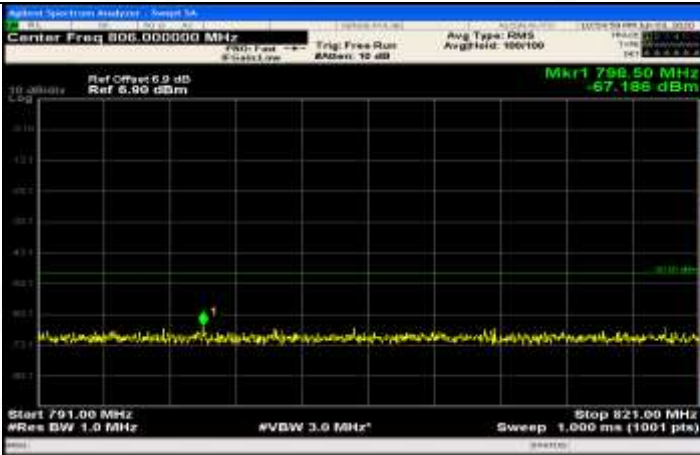
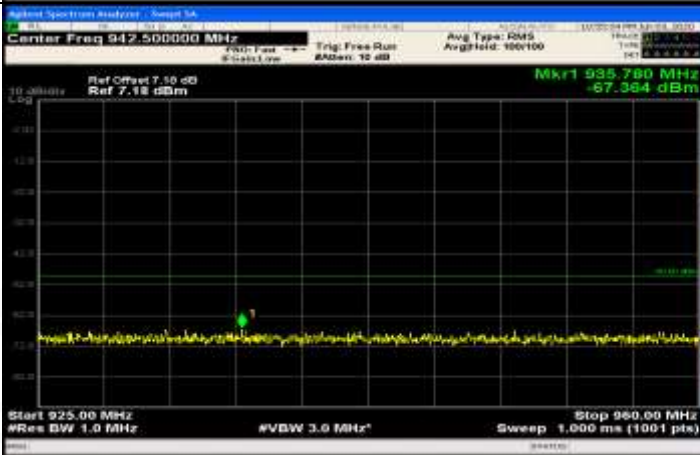
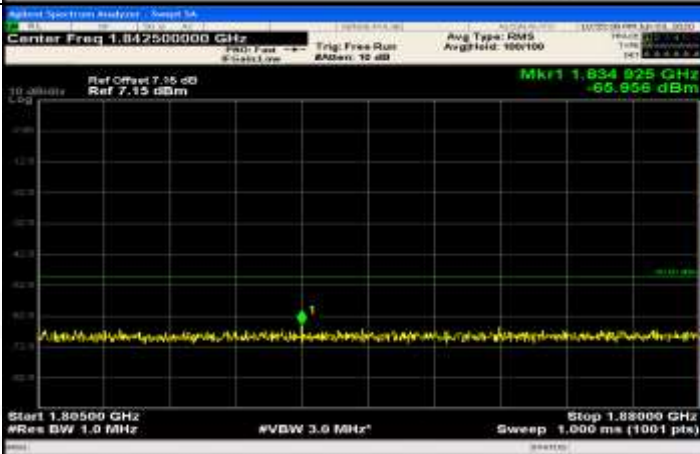
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_FullIRB#0

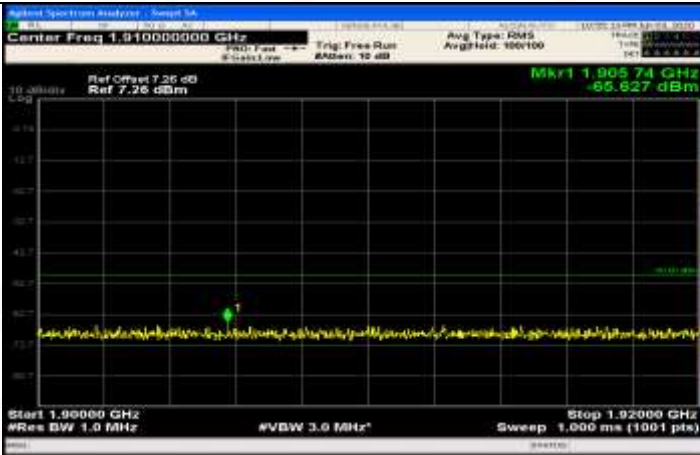
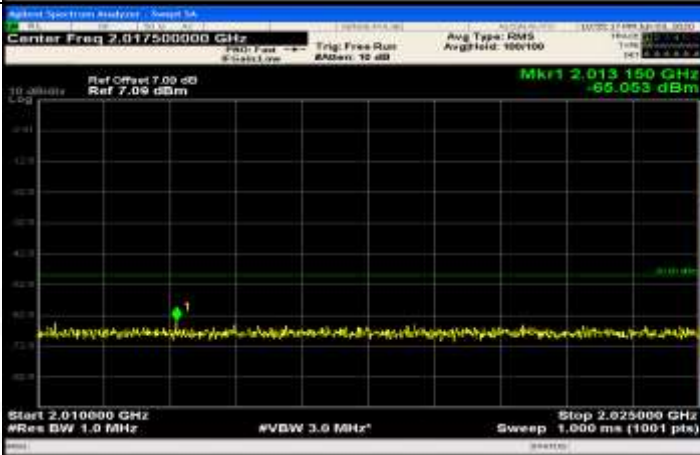
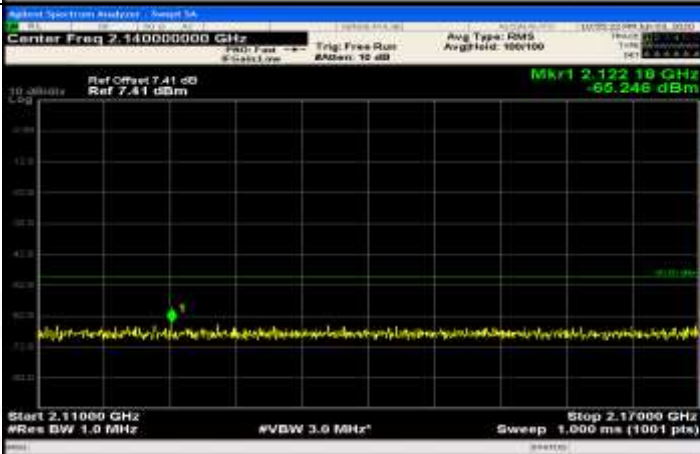


General		
General		
General		

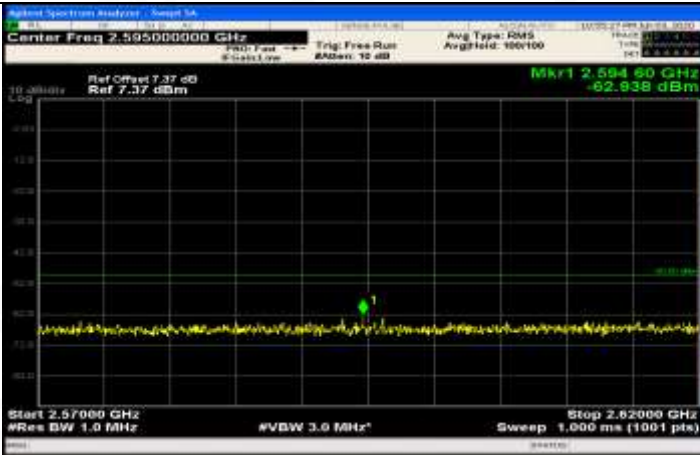
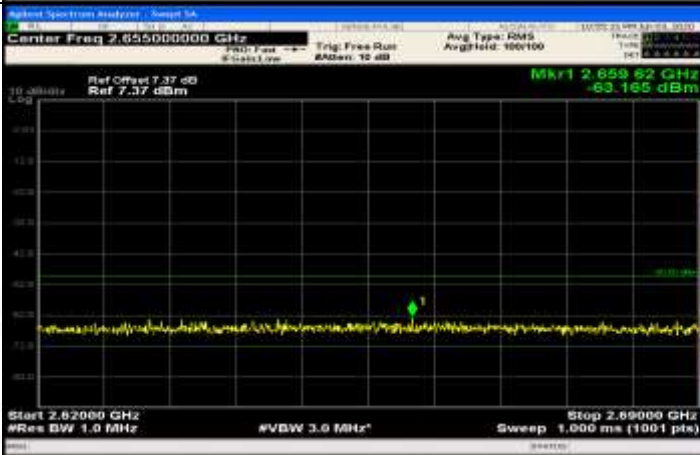
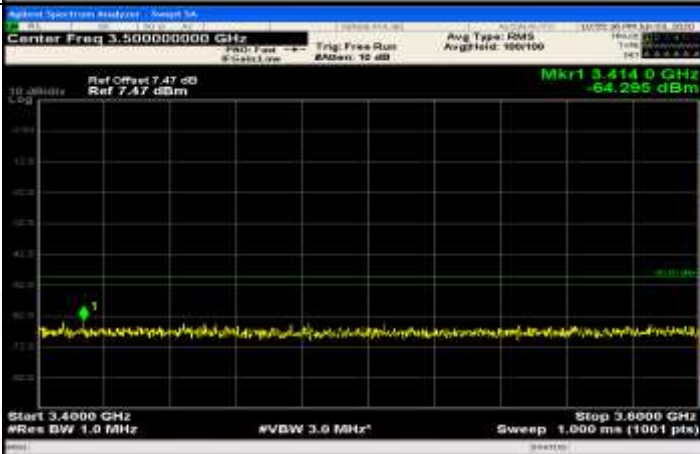


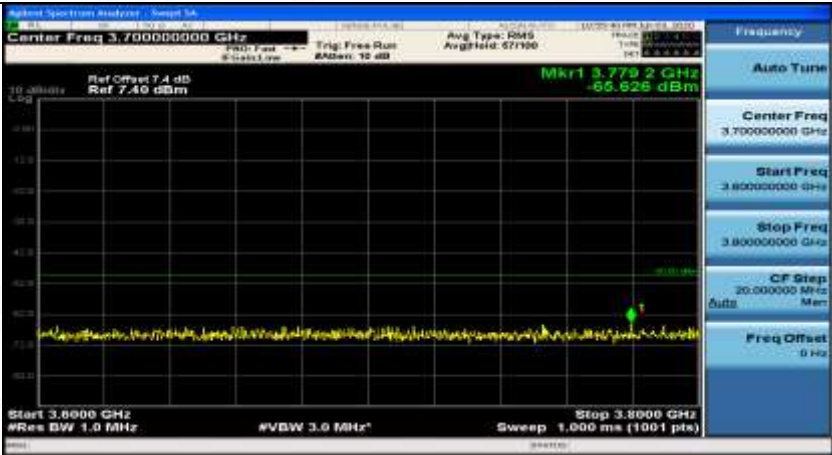
General	
General	
General	

Co-existence	
Co-existence	
Co-existence	

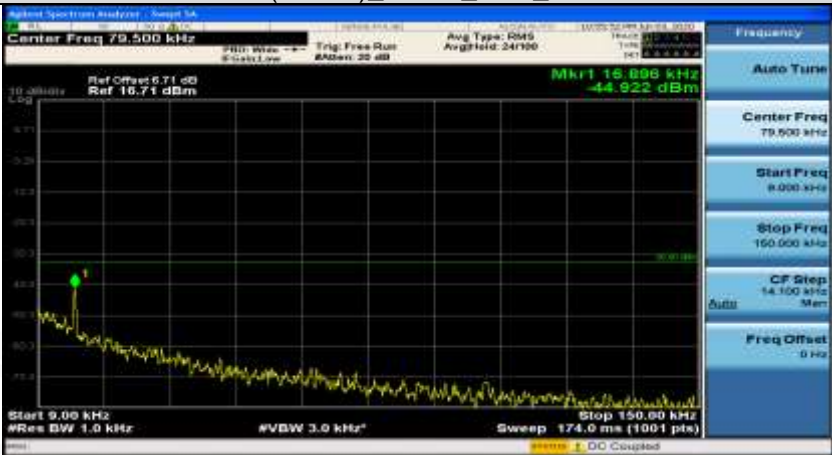
Co-existence	
Co-existence	
Co-existence	



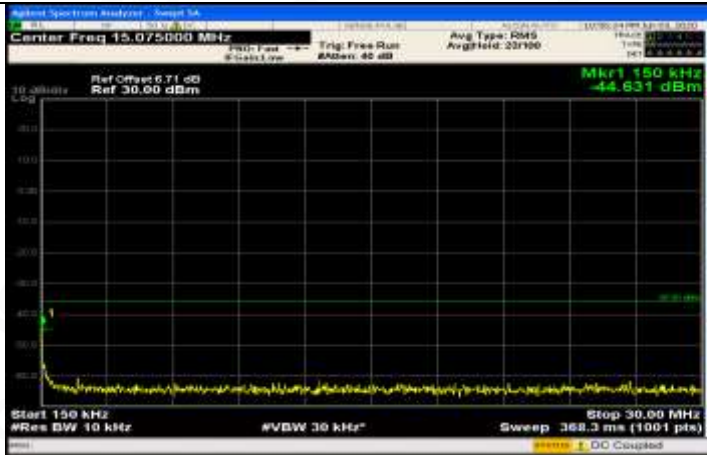
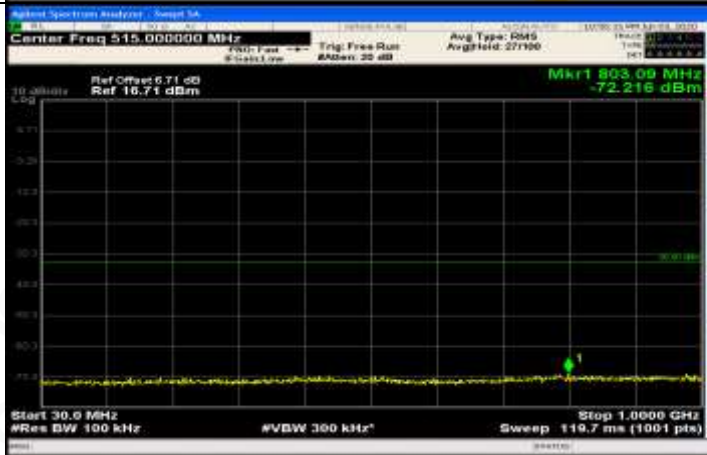
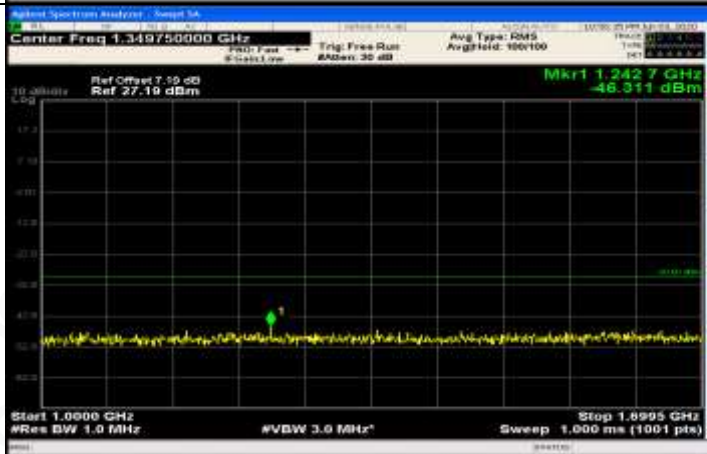
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)



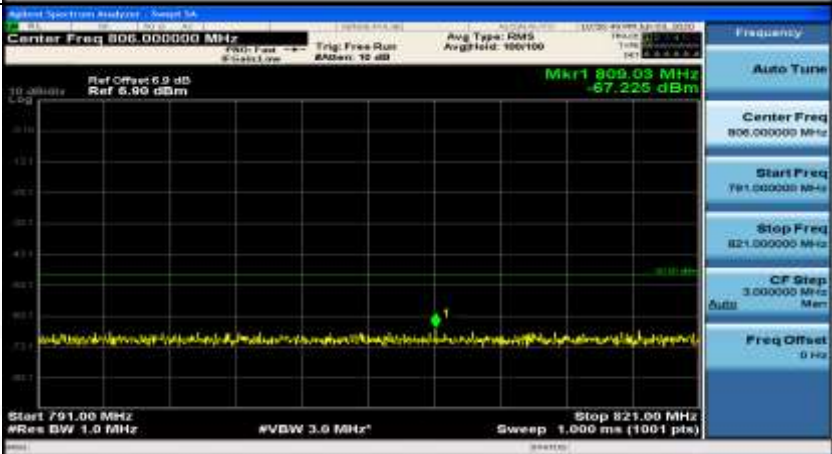
Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	

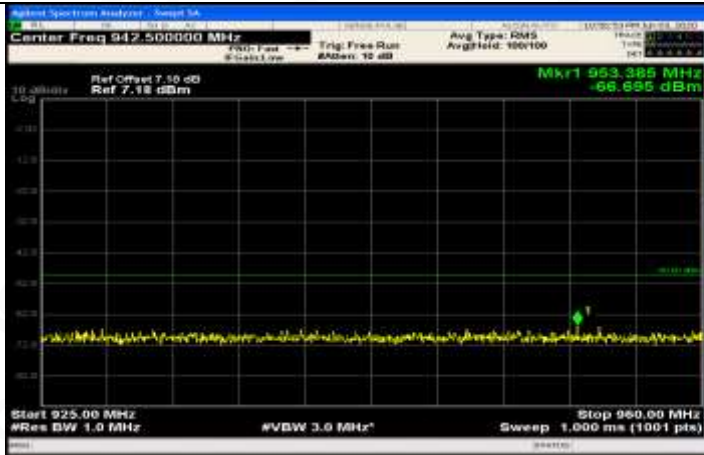
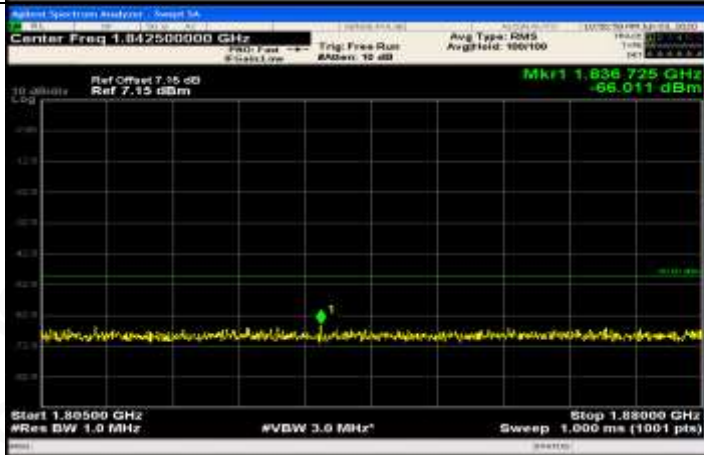
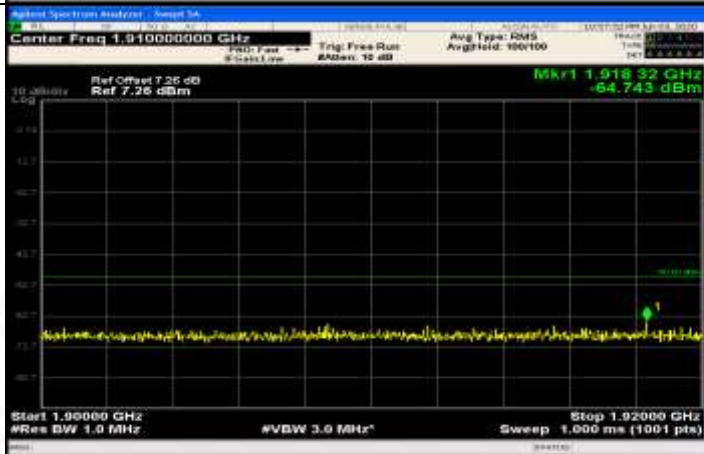


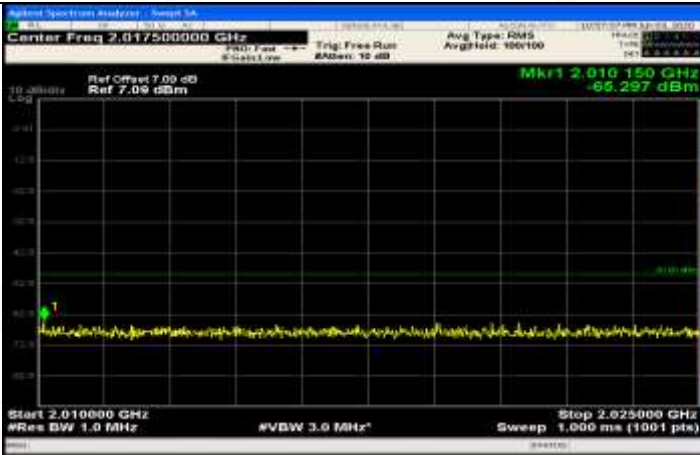
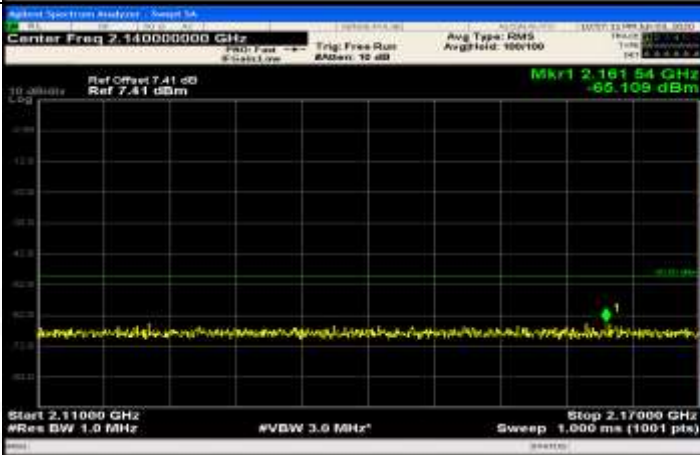
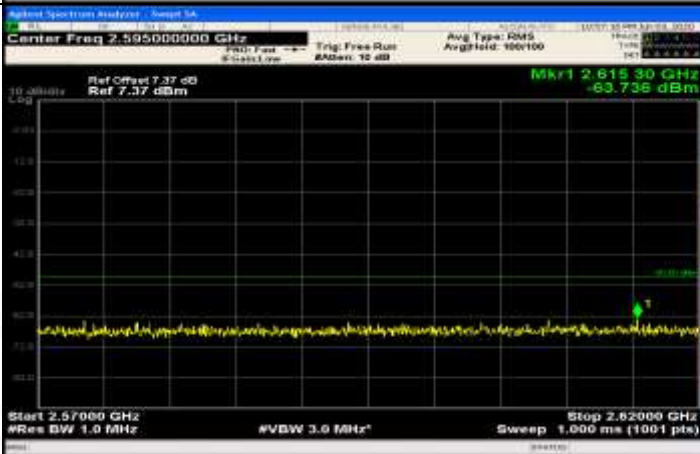
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.349750000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.599500000 GHz</p> <p>CF Step 59.950000 MHz</p> <p>Freq Offset 0 Hz</p>



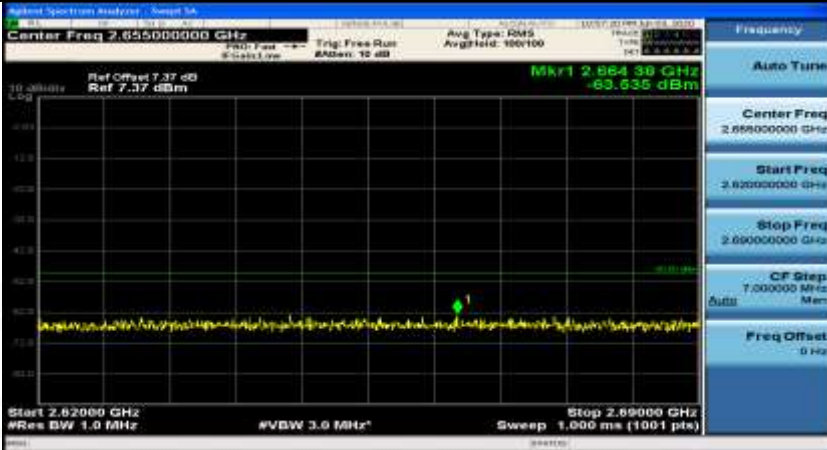
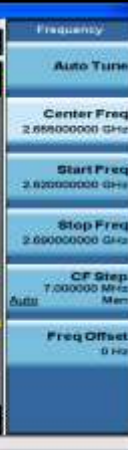
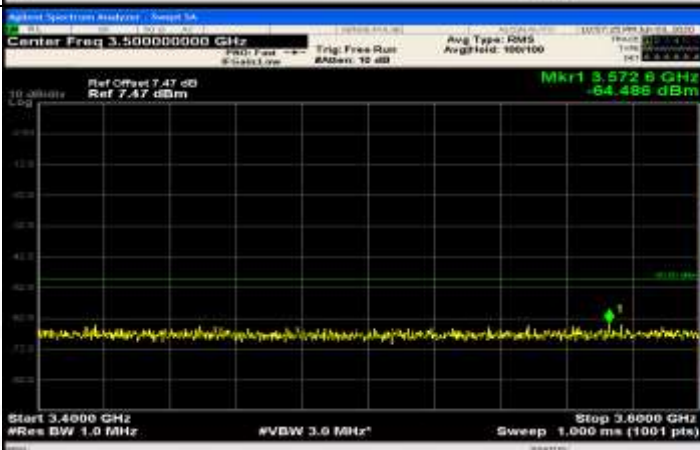
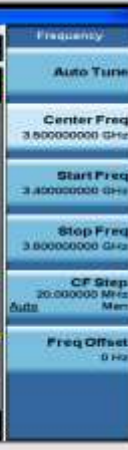
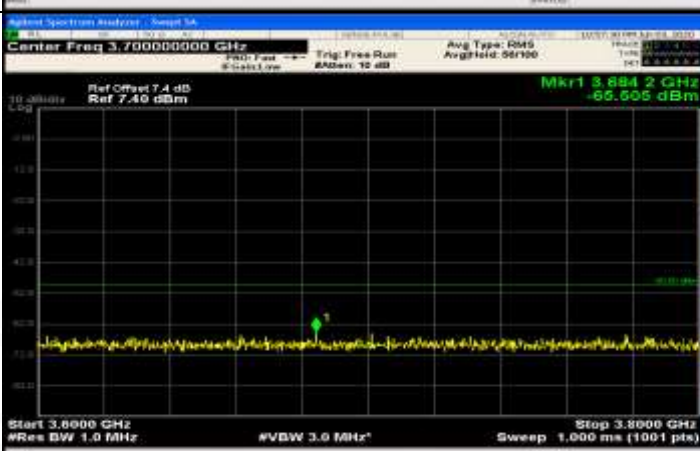



General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.362750000 GHz Ref Offset 7.35 dB Ref 27.15 dBm Mkr1 3.170 GHz -48.654 dBm Start 1.726 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.467 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.26175 GHz -69.010 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 809.03 MHz -67.225 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>




Co-existence	
Co-existence	
Co-existence	



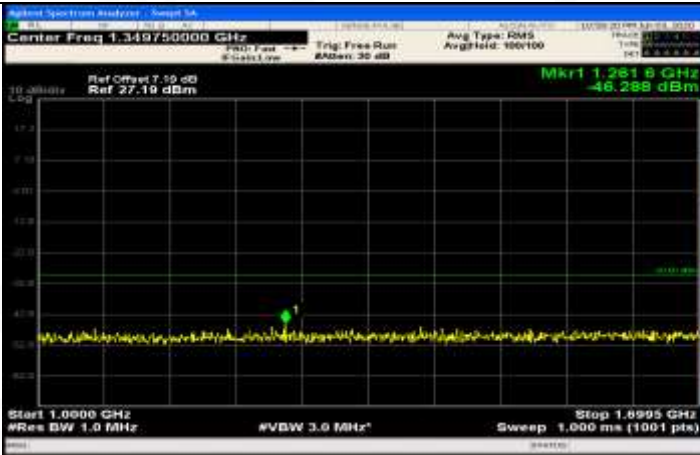


Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth= (5 MHz)\_QPSK\_LCH\_1RB#max




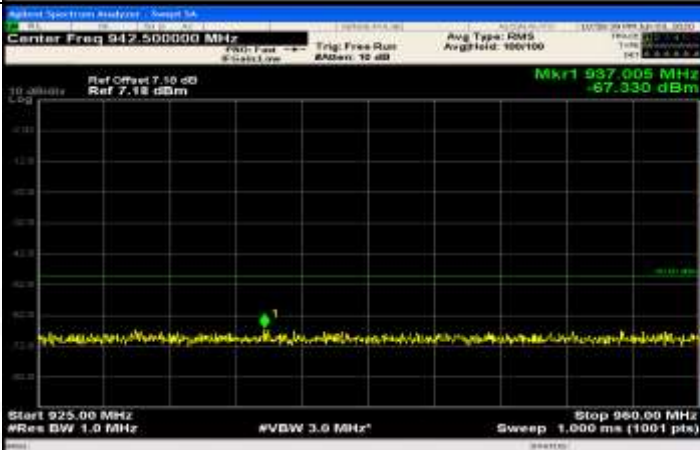
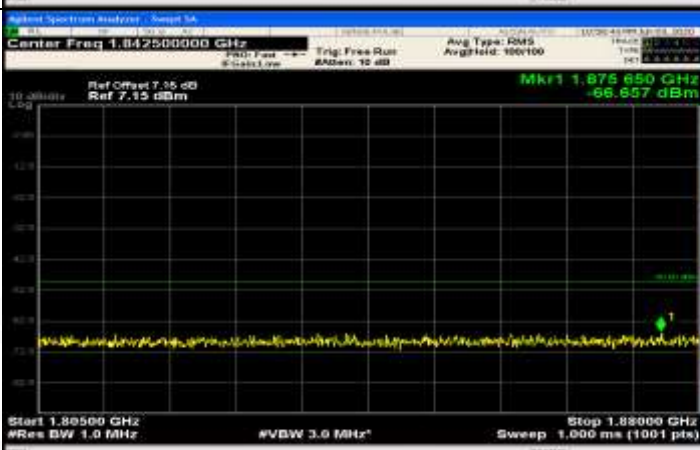
General		
General		
General		

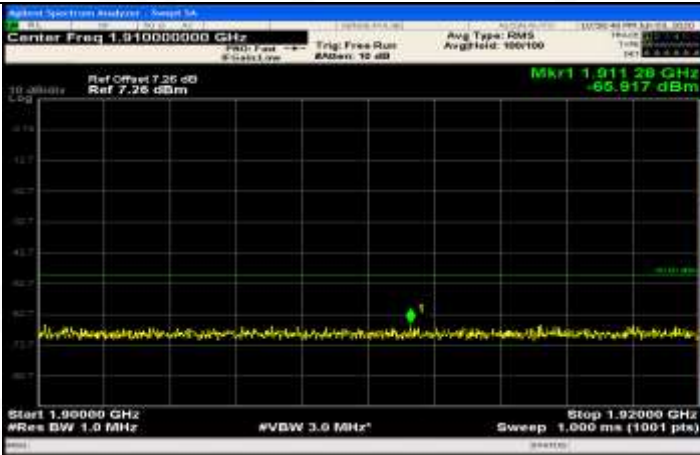
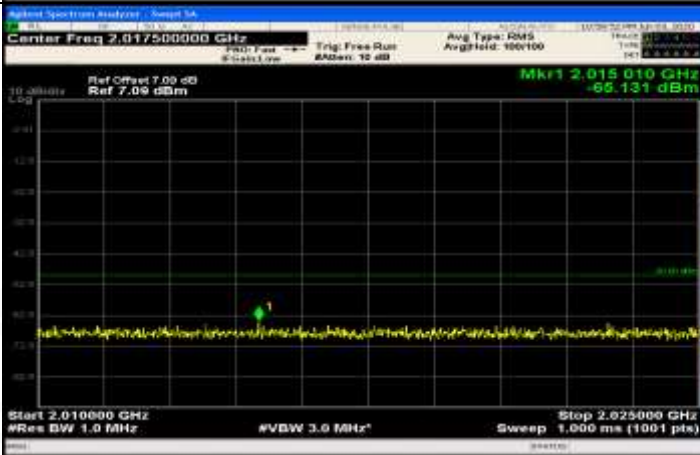
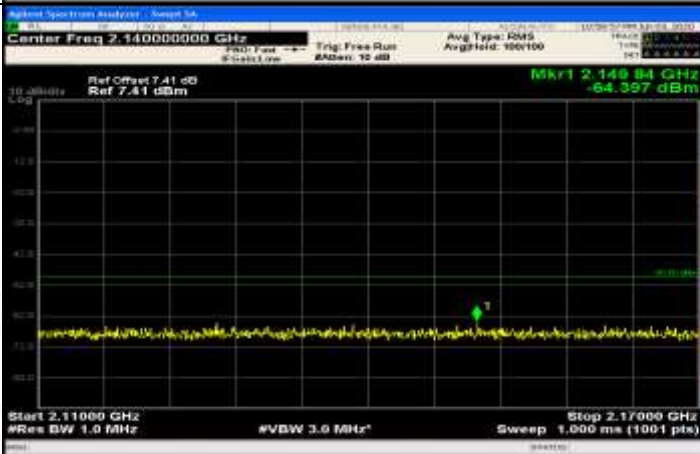


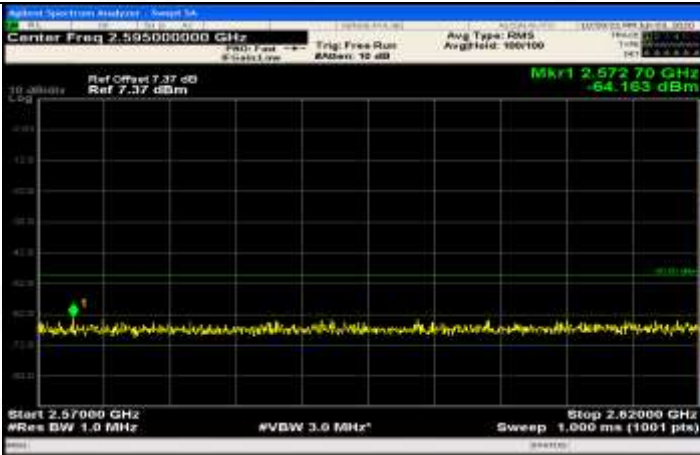
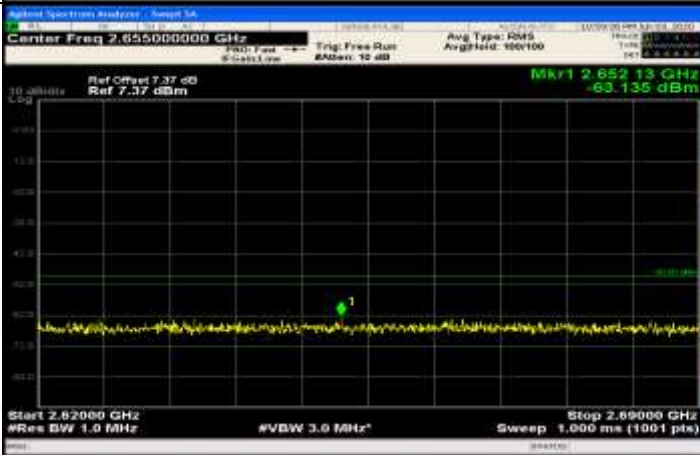
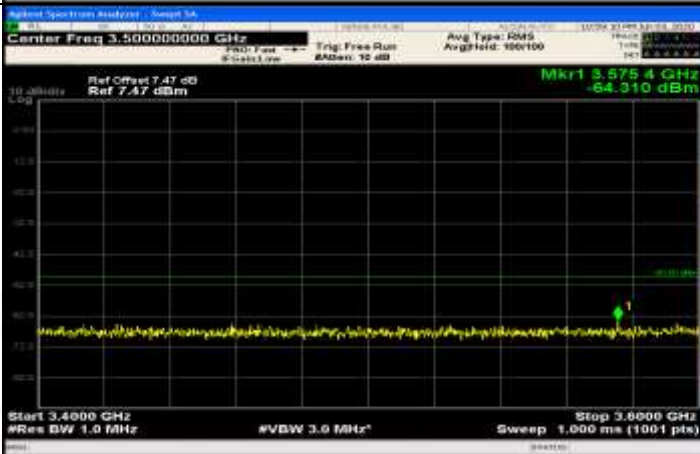
General	
General	
General	



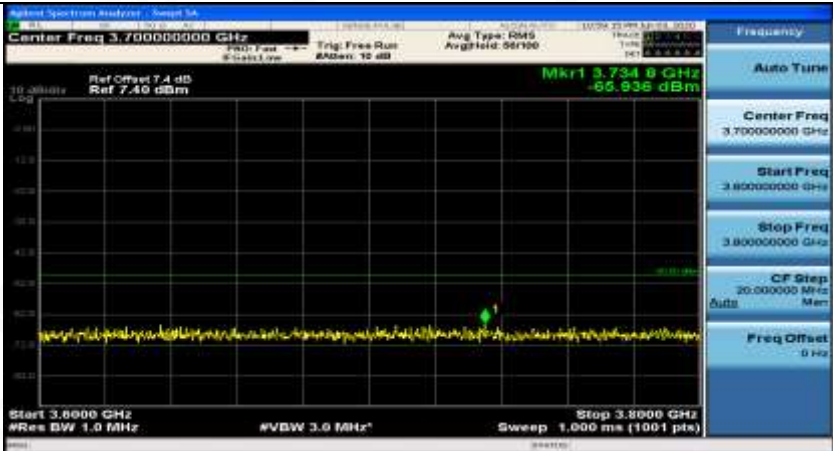



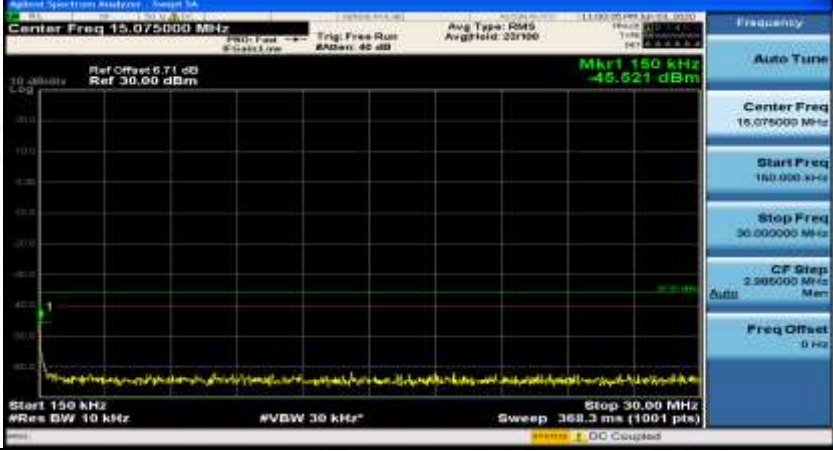
Co-existence	
Co-existence	
Co-existence	


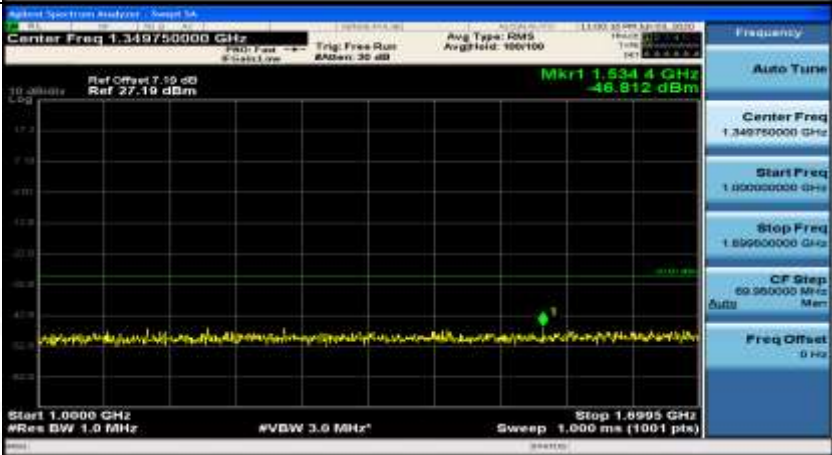

Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.91000000 GHz Ref Offset 7.26 dB Ref 7.26 dBm Mkr1 1.91128 GHz -65.917 dBm Start 1.90000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.92000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.01750000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.015010 GHz -65.131 dBm Start 2.01000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.02500 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.14000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.14884 GHz -64.397 dBm Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p>



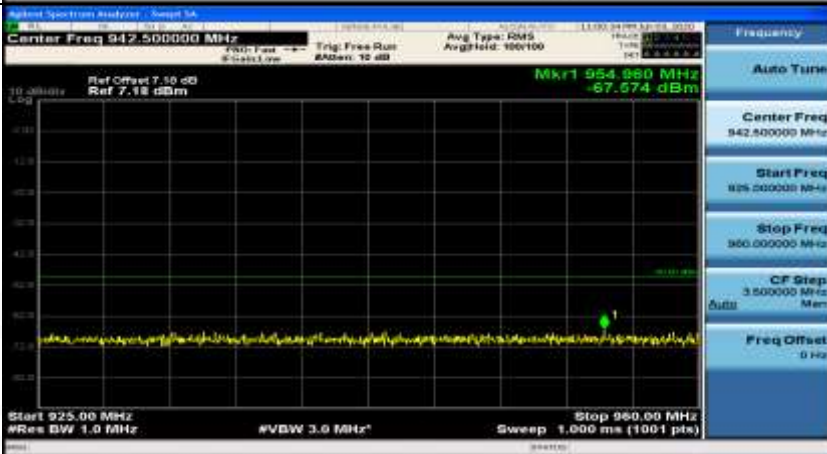
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.40000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>



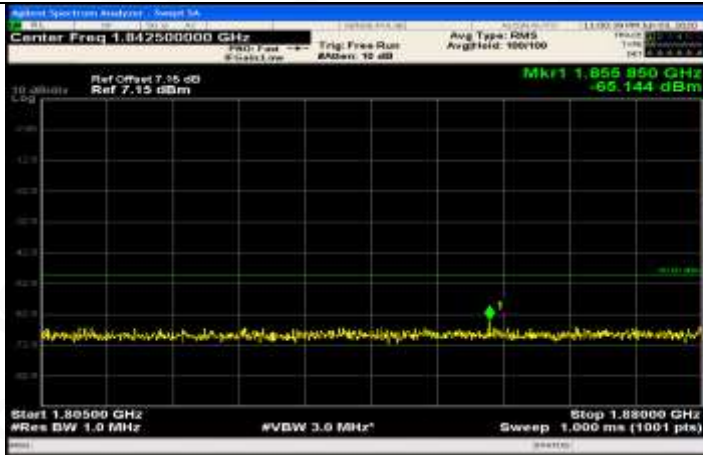
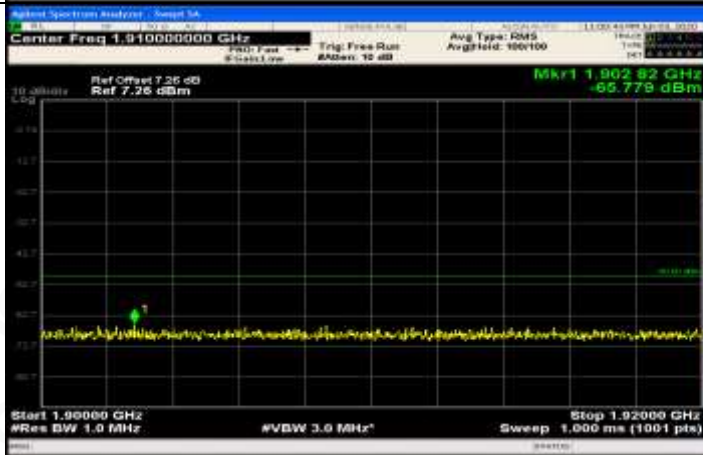
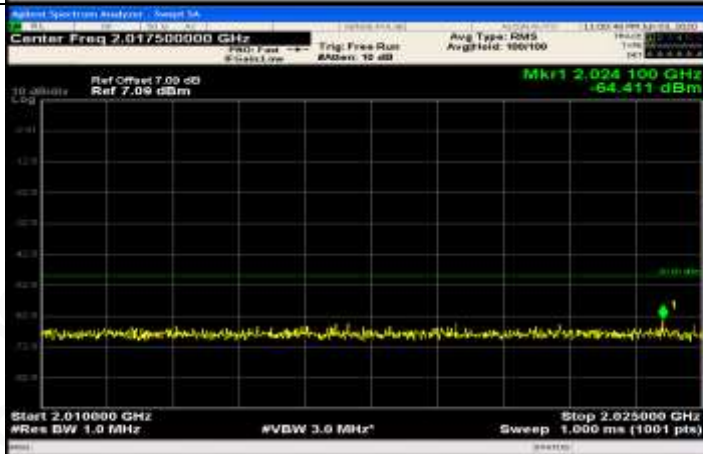
Co-existence	
Additional	NA

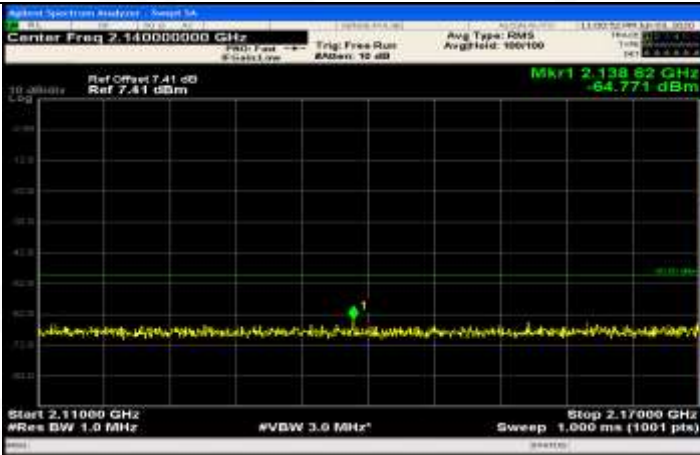
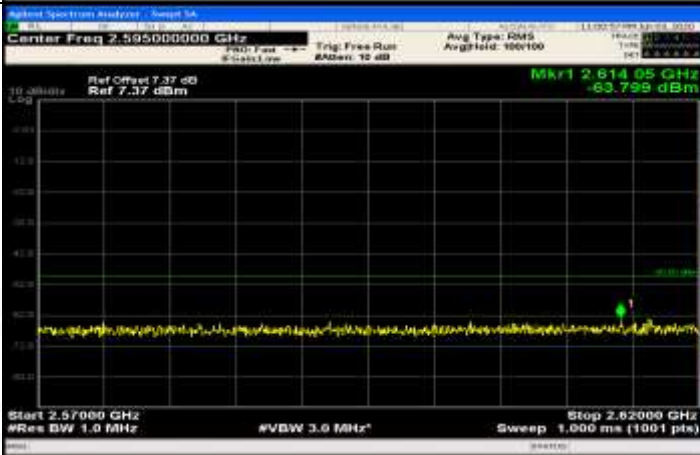
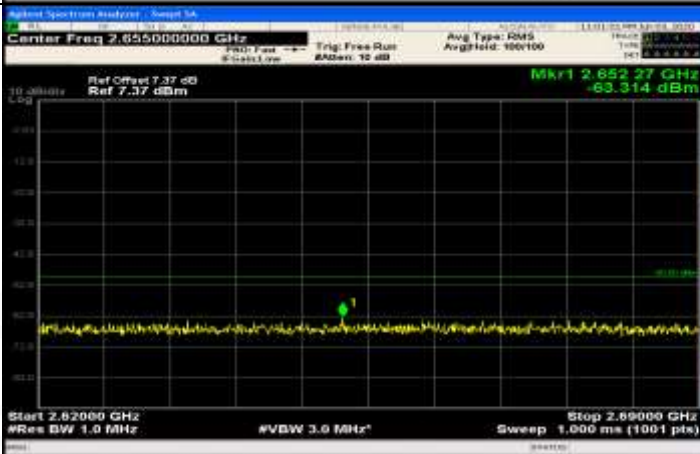
Channel Bandwidth= (5 MHz)_QPSK_LCH_FullRB#0	
General	
General	


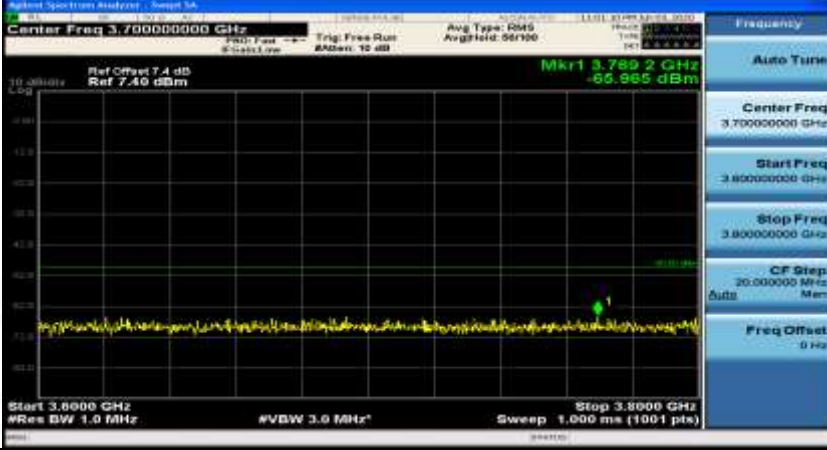
General	
General	
General	


General	
Co-existence	
Co-existence	



Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>


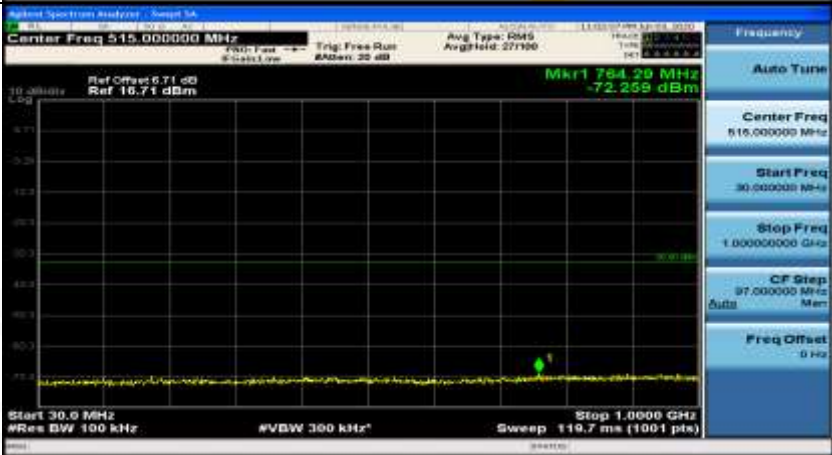
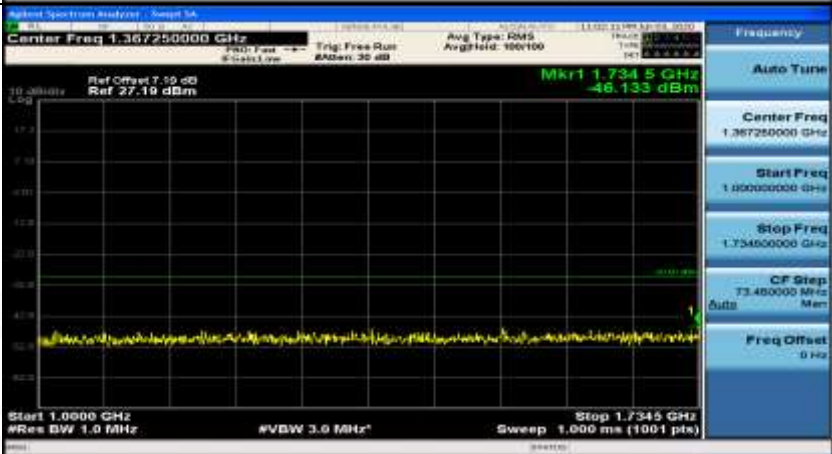
Co-existence	
Co-existence	
Co-existence	

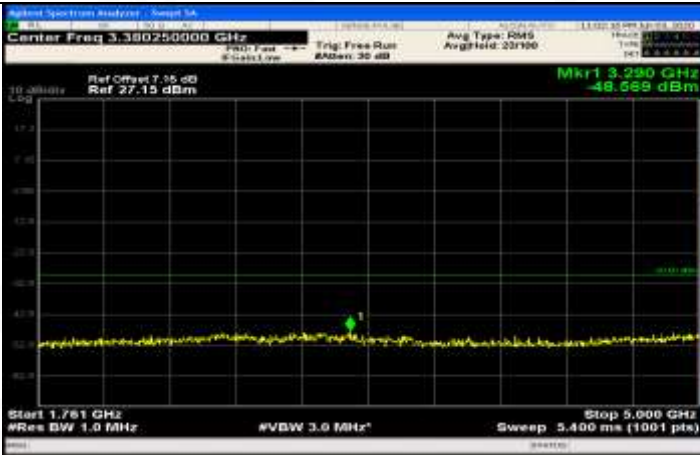

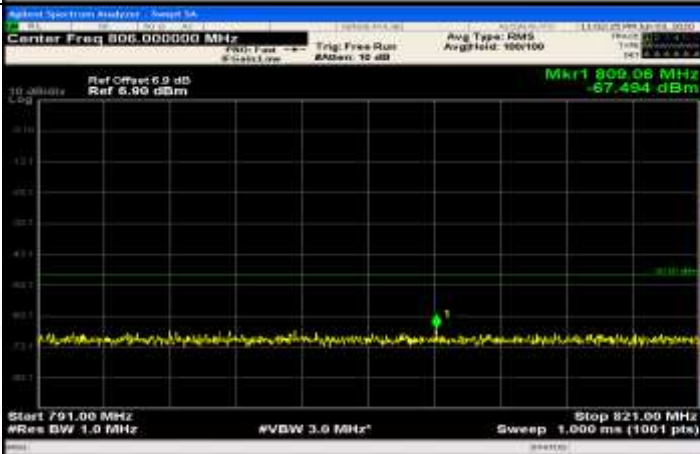
Co-existence	
Co-existence	
Additional	NA

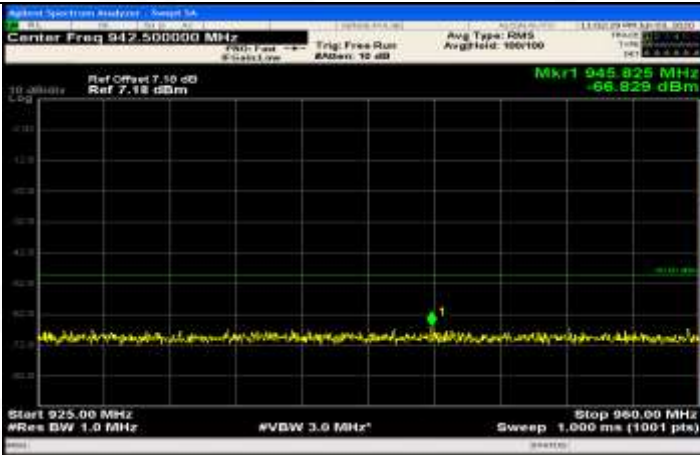
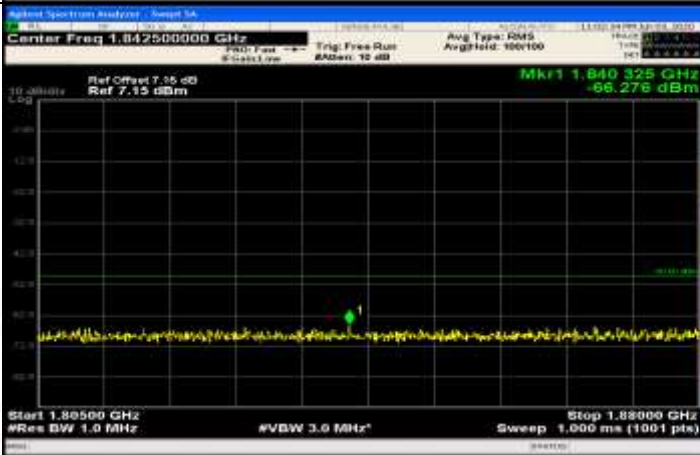
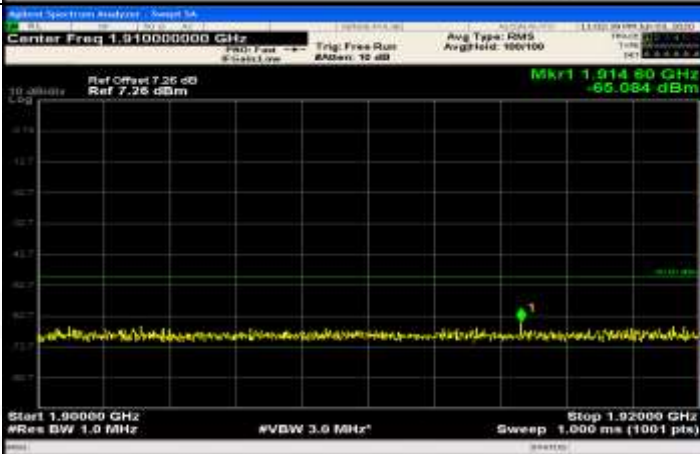
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	



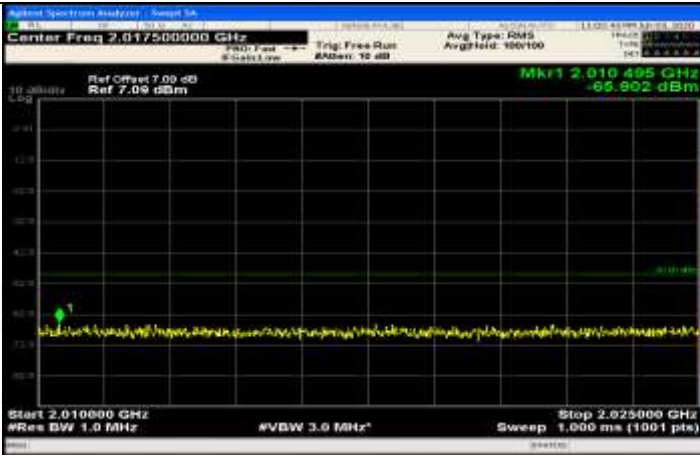
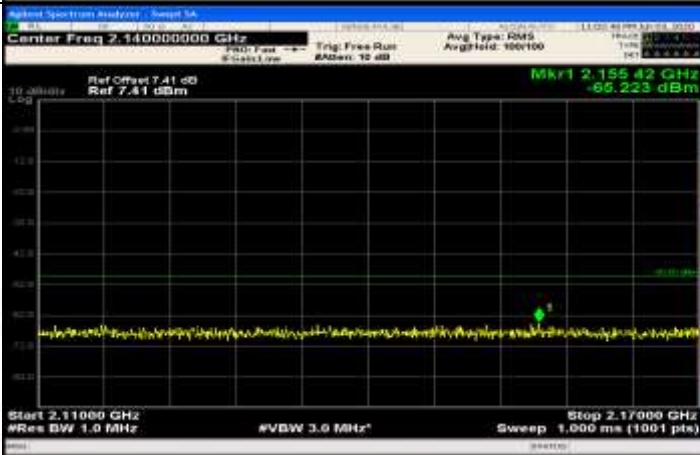
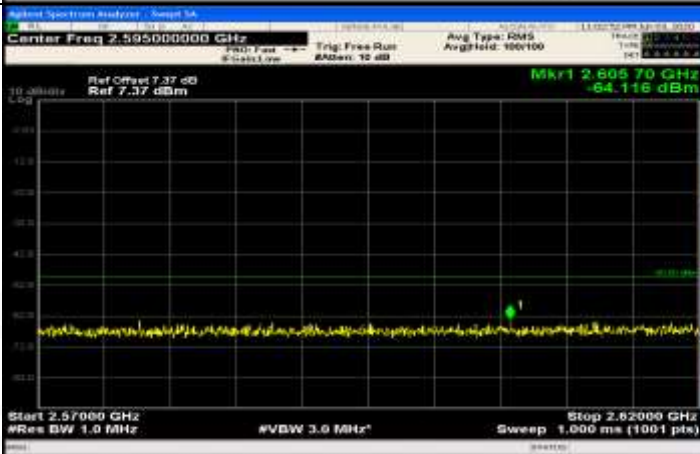


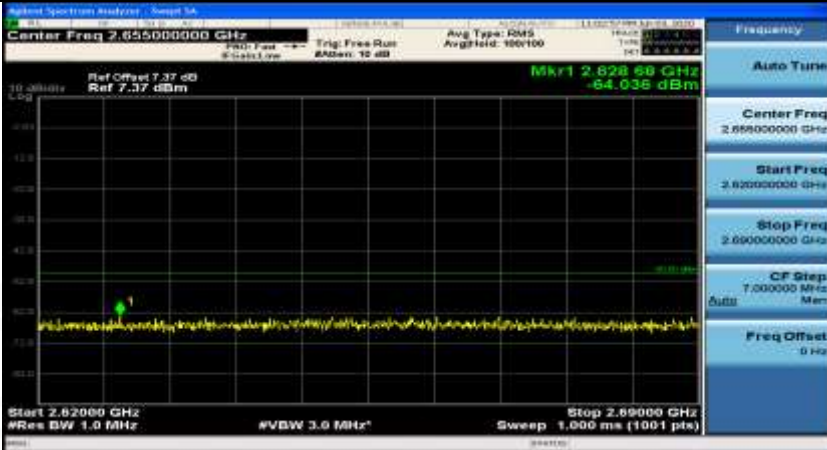
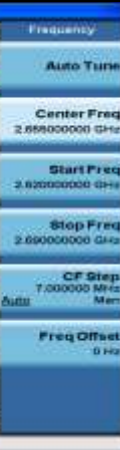
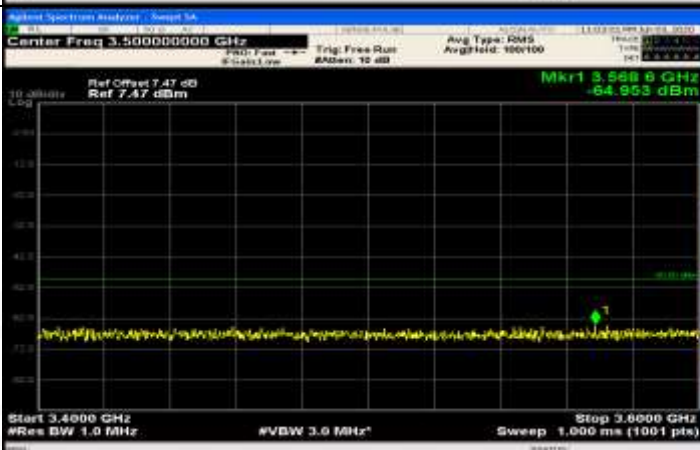
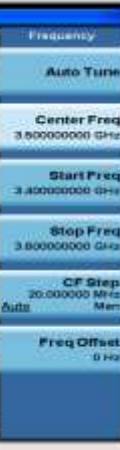
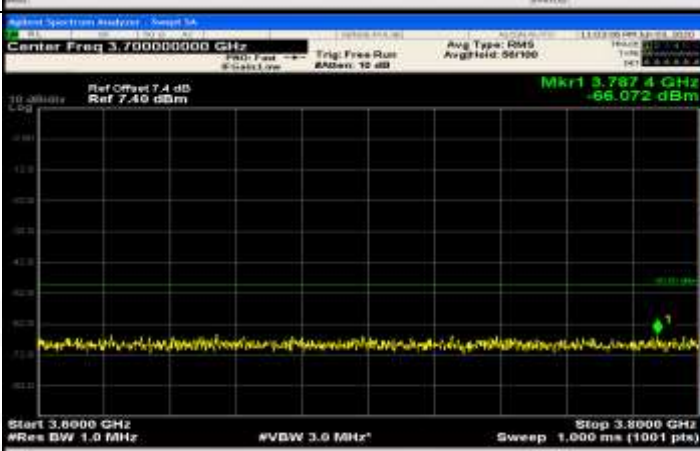

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -46.996 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 16.74 dBm Mkr1 754.20 MHz -72.259 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.36725000 GHz Ref Offset 7.59 dB Ref 27.19 dBm Mkr1 1.7345 GHz -46.135 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7345 GHz Sweep 1.000 ms (1001 pts)</p>

General	
General	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

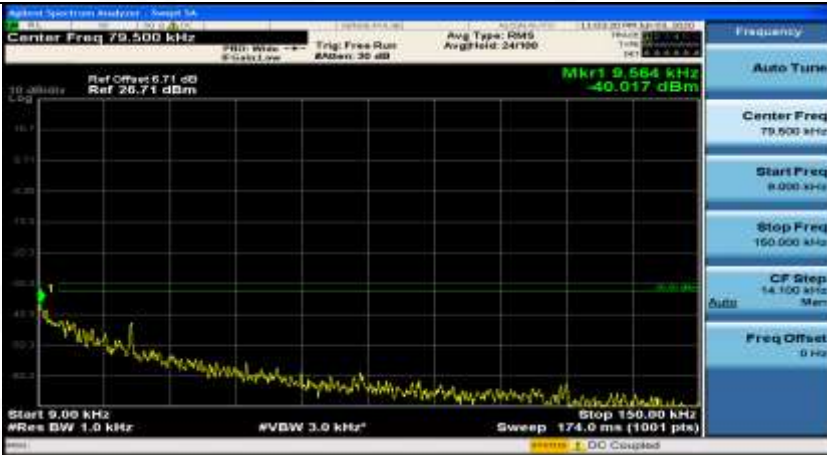




Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

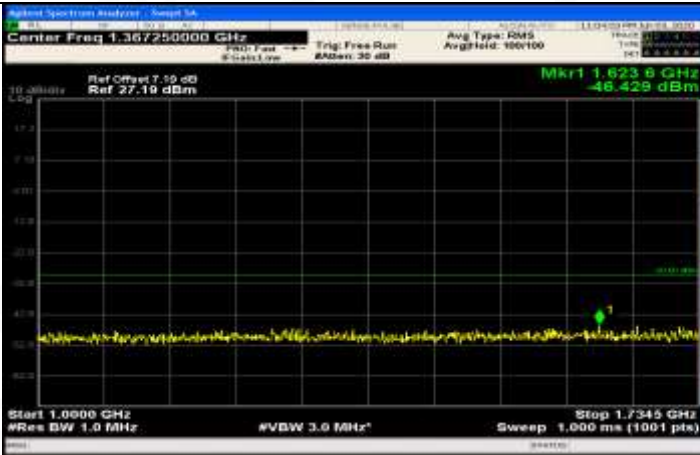
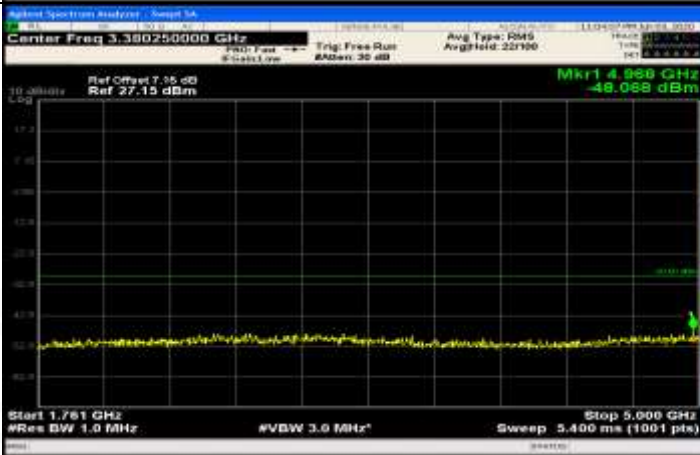

Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=( 5 MHz)\_QPSK\_MCH\_1RB#max

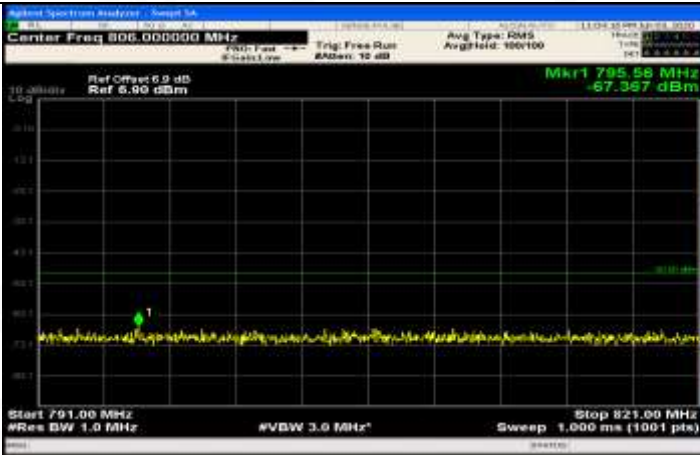
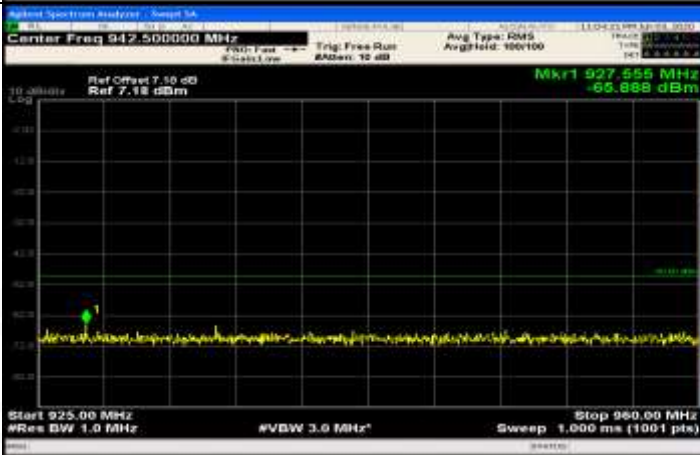
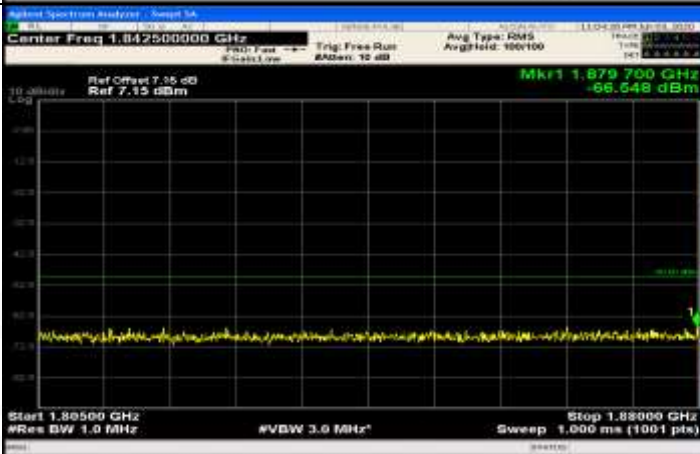


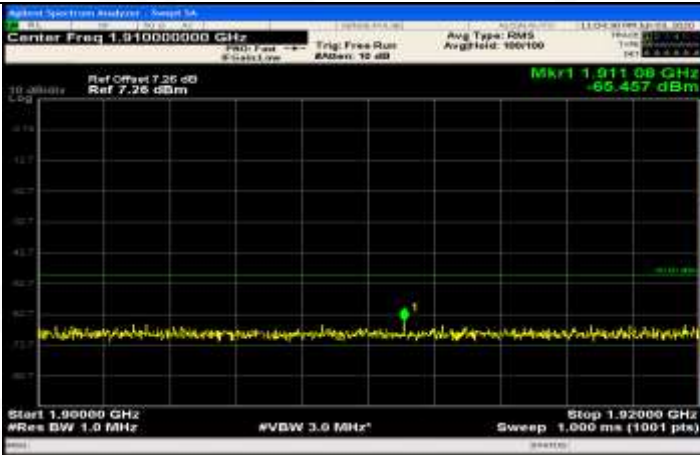
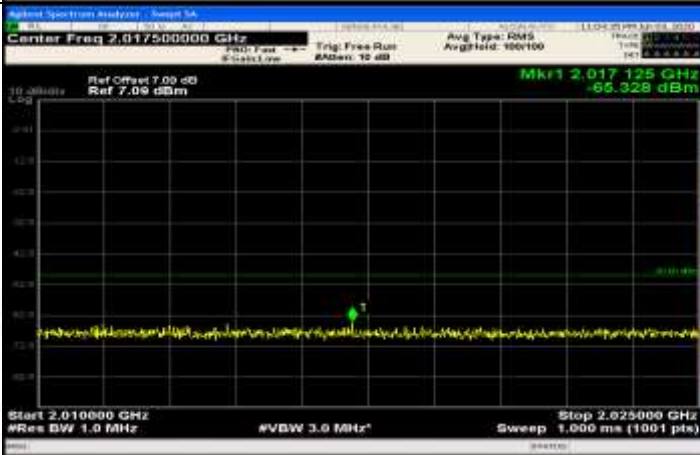
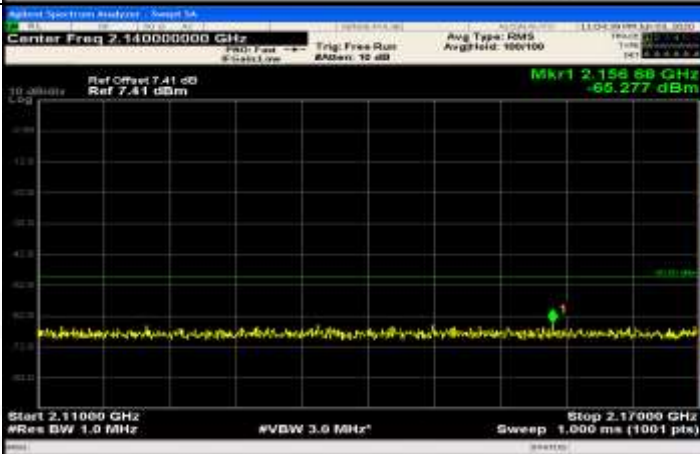
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General	



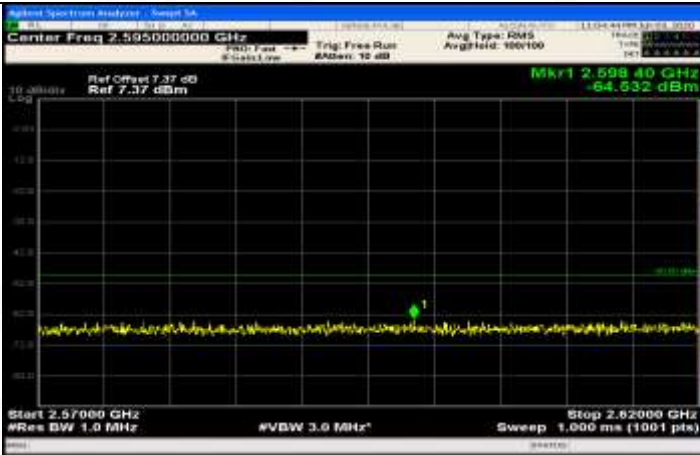
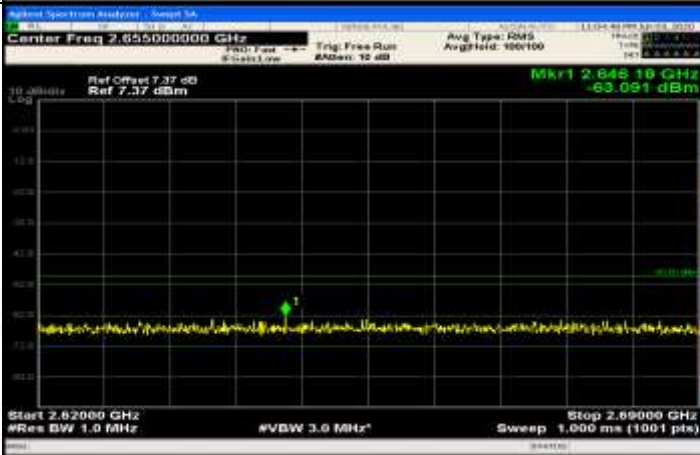
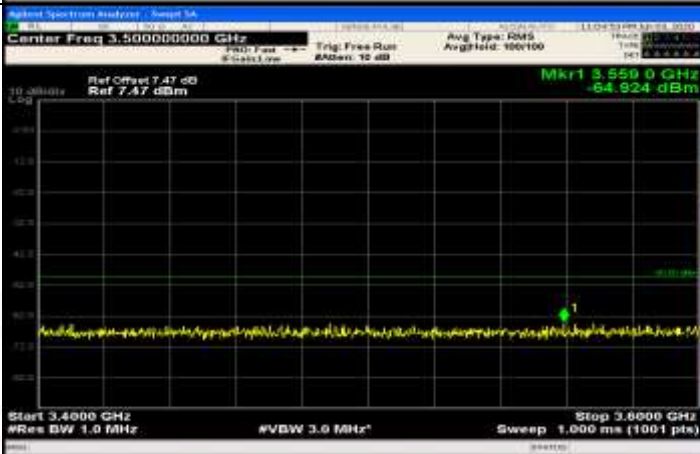
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 1.367250000 GHz</p> <p>Ref Offset 7.50 dB Ref 27.10 dBm</p> <p>Mkr1 1.6238 GHz -46.429 dBm</p> <p>Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 1.7345 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.367250000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.734500000 GHz</p> <p>CF Step 73.450000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 3.380250000 GHz</p> <p>Ref Offset 7.50 dB Ref 27.10 dBm</p> <p>Mkr1 4.980 GHz -48.088 dBm</p> <p>Start 1.751 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 5.000 GHz Sweep 5.400 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.380250000 GHz</p> <p>Start Freq 1.750000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 323.950000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 8.875000000 GHz</p> <p>Ref Offset 7.57 dB Ref 17.57 dBm</p> <p>Mkr1 12.750 GHz -57.390 dBm</p> <p>Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 5.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

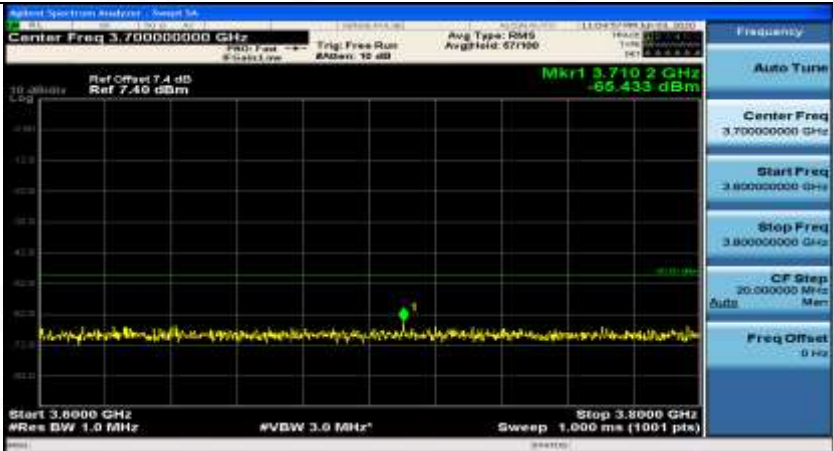




Co-existence	
Co-existence	
Co-existence	

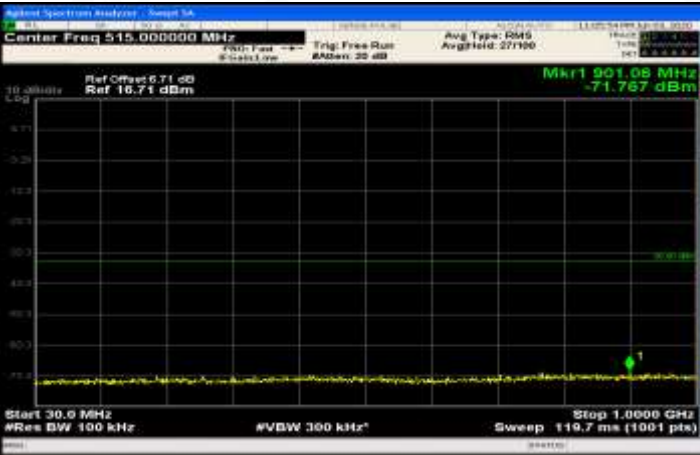
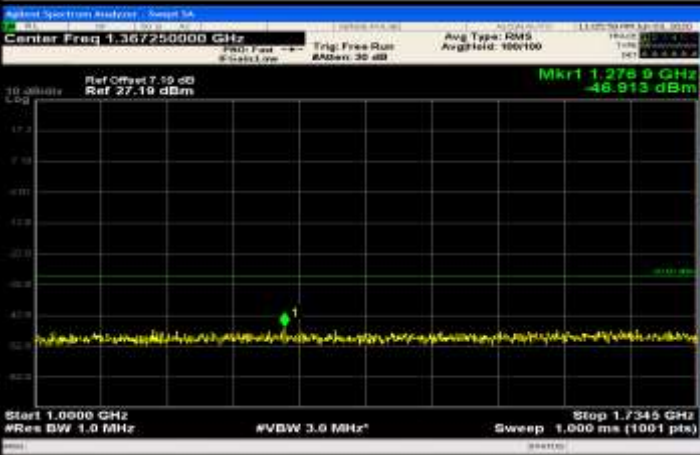
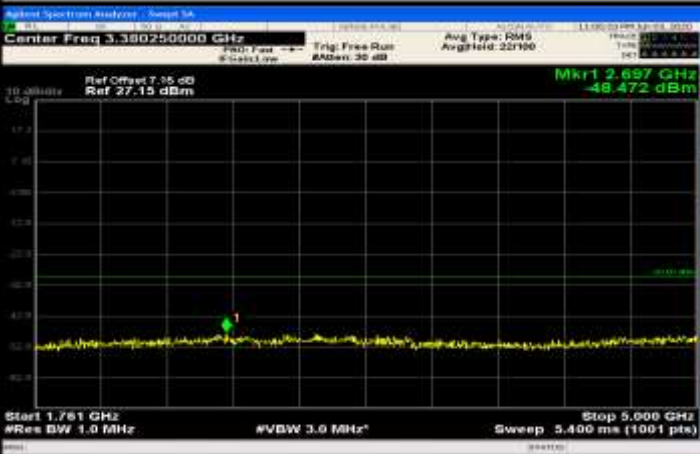
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Co-existence	
Co-existence	




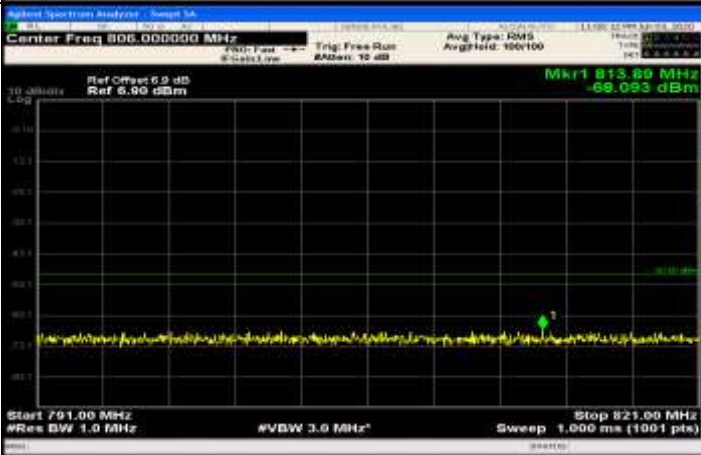
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Co-existence	

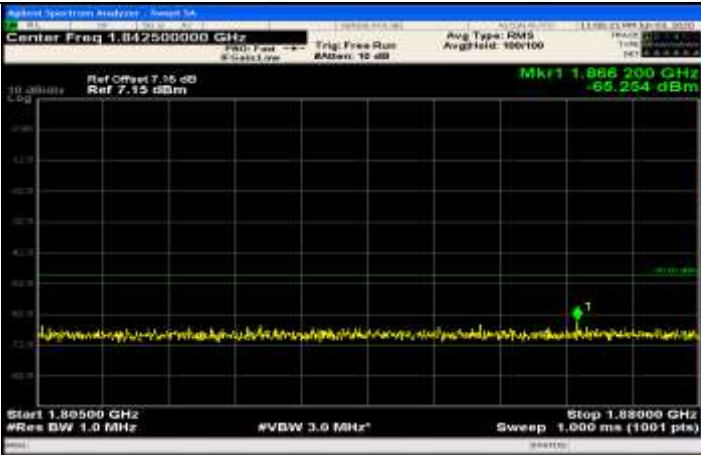
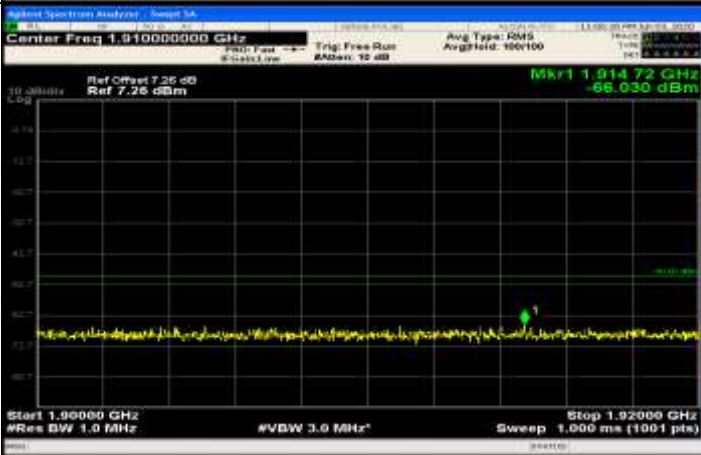
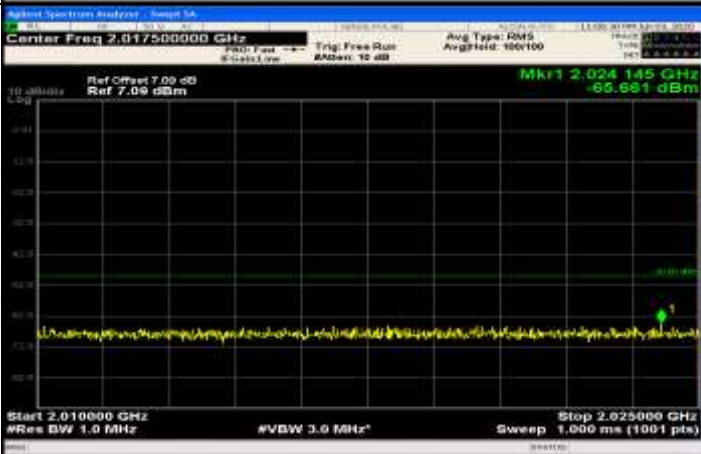
Co-existence	
Additional	NA

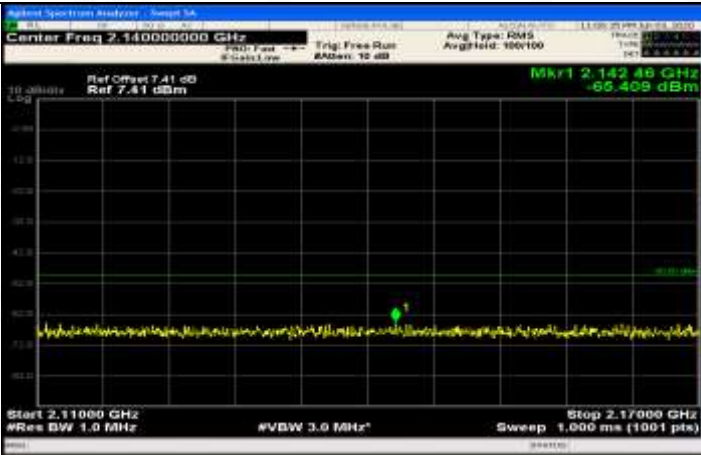
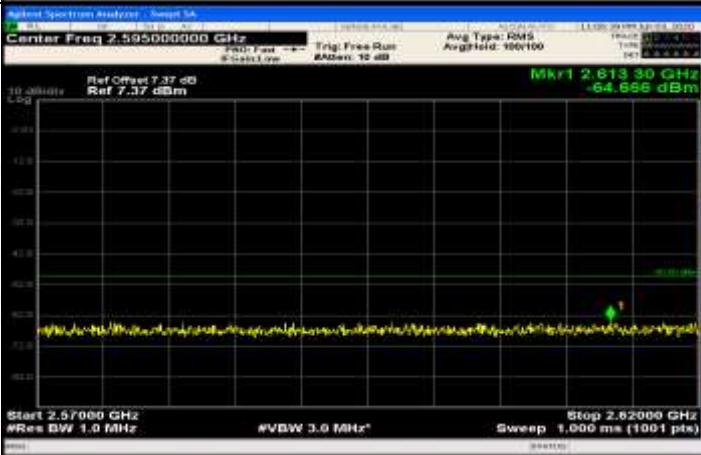
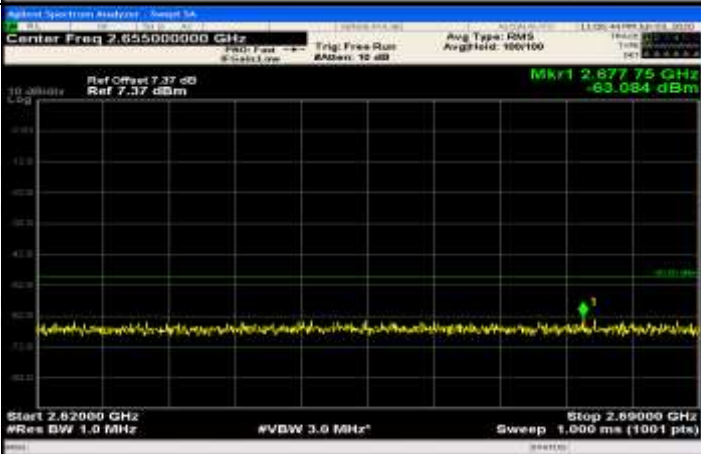
Channel Bandwidth= (5 MHz)_QPSK_MCH_FuIRB#0	
General	
General	

General	 <p>Agilent Spectrum Analyzer - Setup SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 6.71 dB</p> <p>Ref 16.71 dBm</p> <p>Mkr1 901.08 MHz</p> <p>-71.767 dBm</p> <p>Start 30.0 MHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Sweep 1.0000 GHz</p> <p>119.7 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>	
General	 <p>Agilent Spectrum Analyzer - Setup SA</p> <p>Center Freq 1.367250000 GHz</p> <p>Ref Offset 7.59 dB</p> <p>Ref 27.19 dBm</p> <p>Mkr1 1.2789 GHz</p> <p>-46.913 dBm</p> <p>Start 1.0000 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.367250000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.734500000 GHz</p> <p>CF Step 73.400000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>	
General	 <p>Agilent Spectrum Analyzer - Setup SA</p> <p>Center Freq 3.380250000 GHz</p> <p>Ref Offset 7.35 dB</p> <p>Ref 27.15 dBm</p> <p>Mkr1 2.657 GHz</p> <p>-49.472 dBm</p> <p>Start 1.751 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Sweep 5.400 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.380250000 GHz</p> <p>Start Freq 1.750000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 323.500000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>	

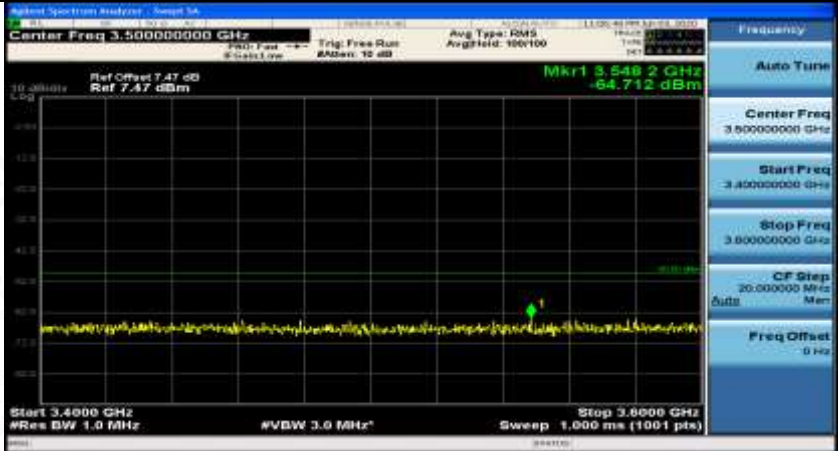
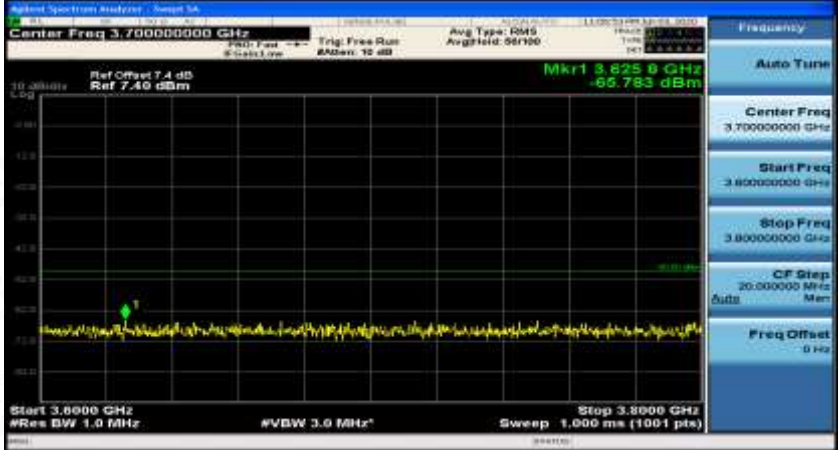



General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 781.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>



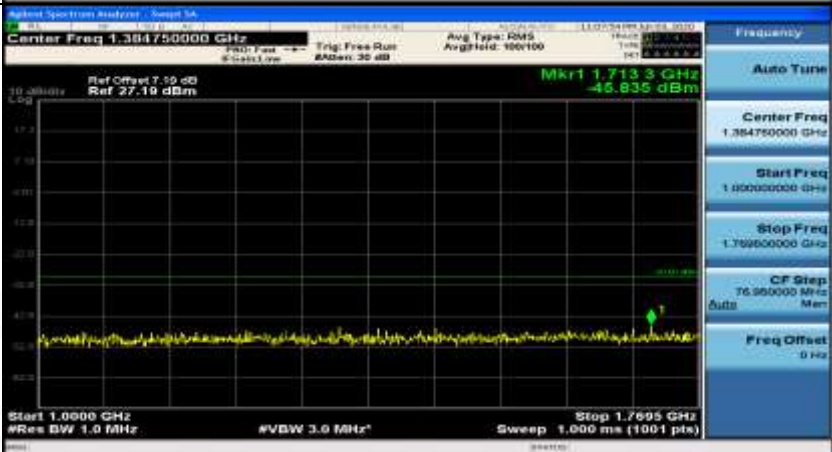
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>



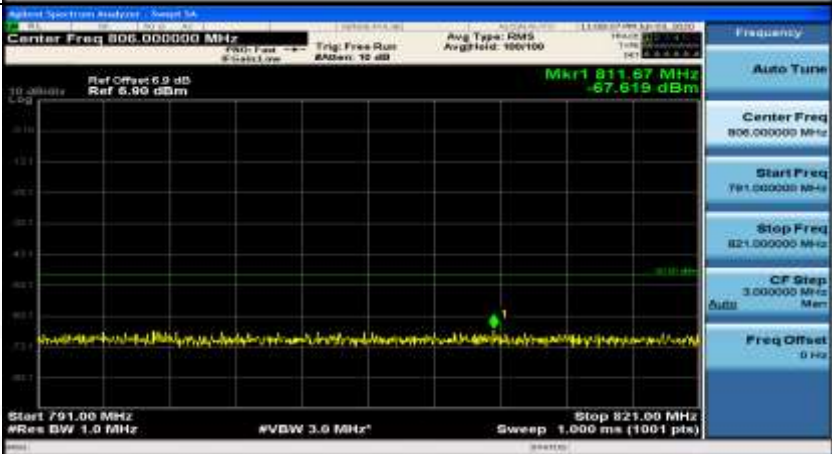


Co-existence	
Co-existence	
Additional	NA

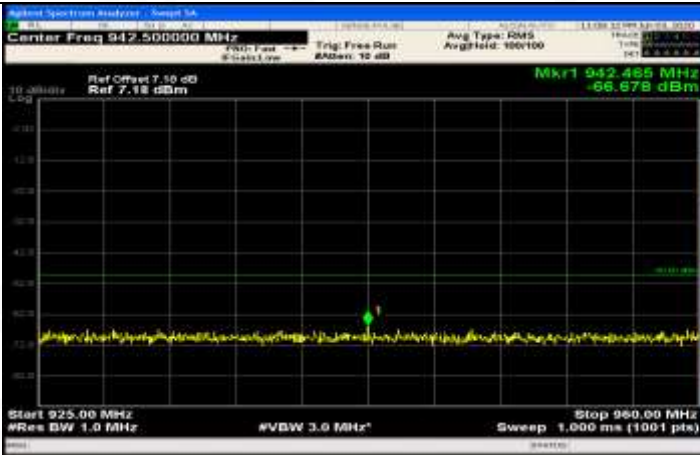
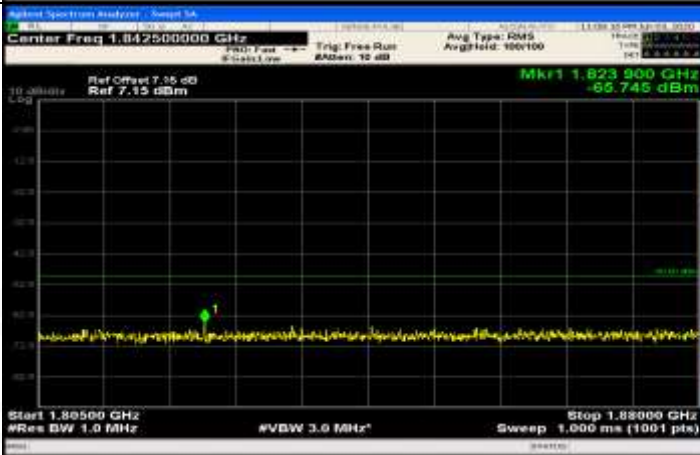
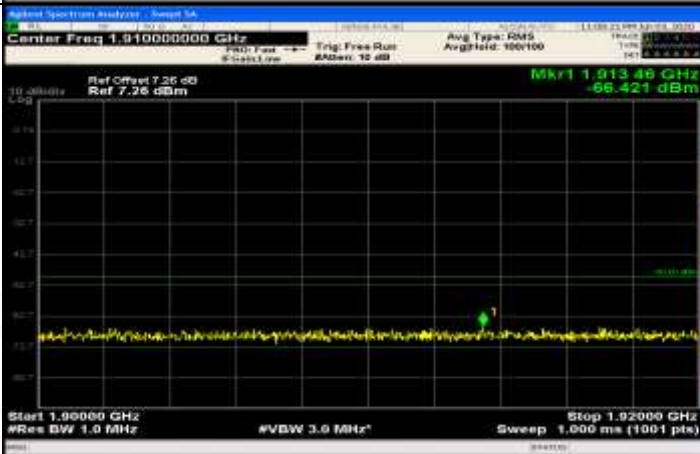
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	

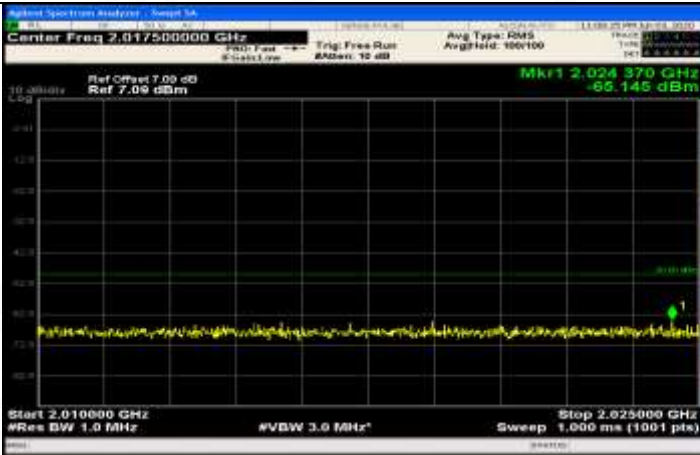
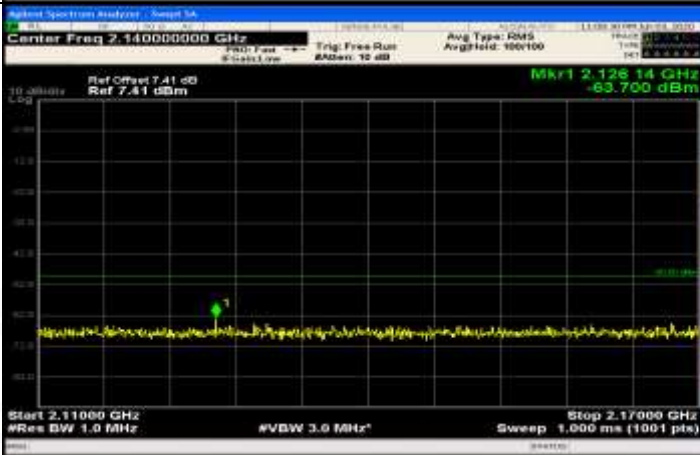
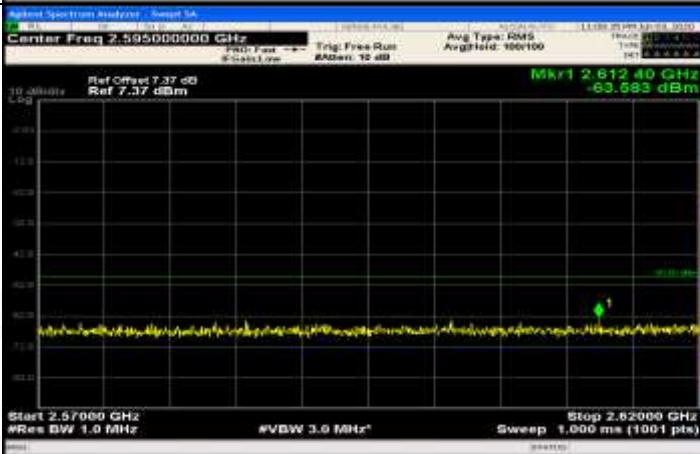


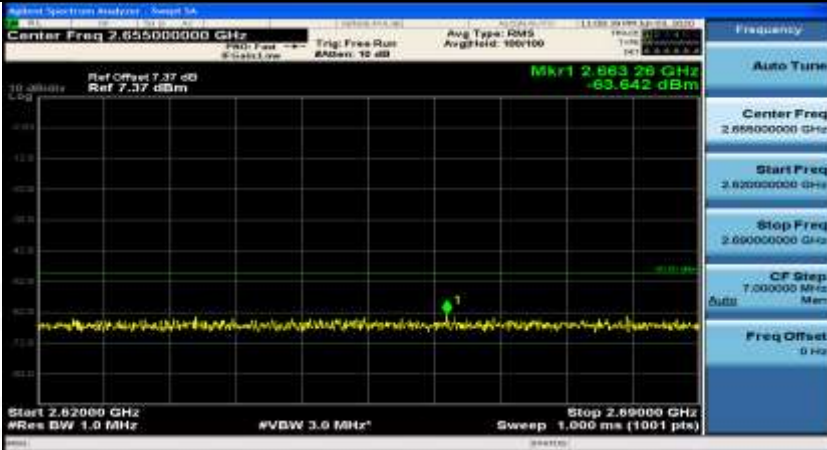
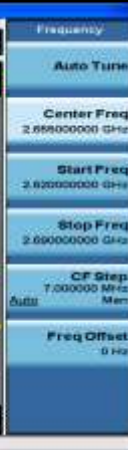
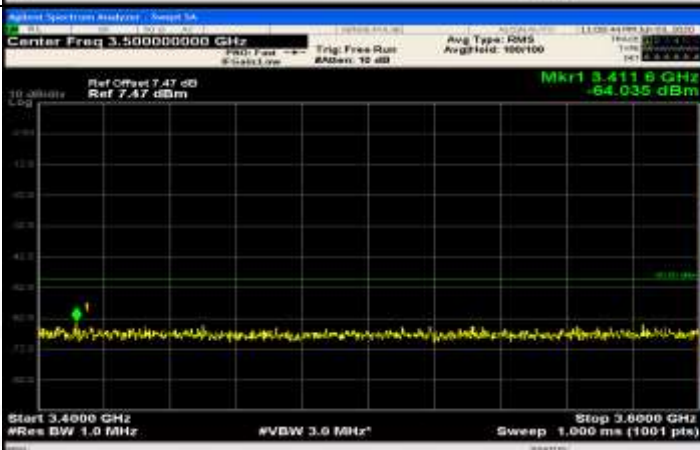
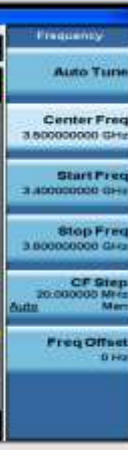
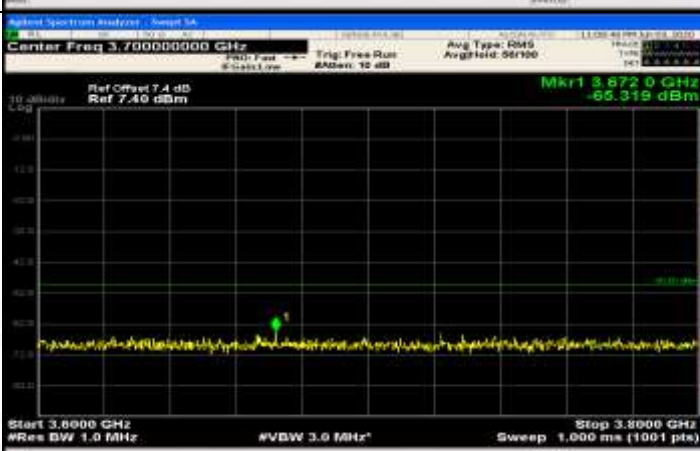

General	
General	
General	

General	
General	
Co-existence	



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.86000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>




Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.024 370 GHz -66.145 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.126 14 GHz -63.700 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.595000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.612 40 GHz -63.593 dBm Start 2.570000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.620000 GHz Sweep 1.000 ms (1001 pts)</p>

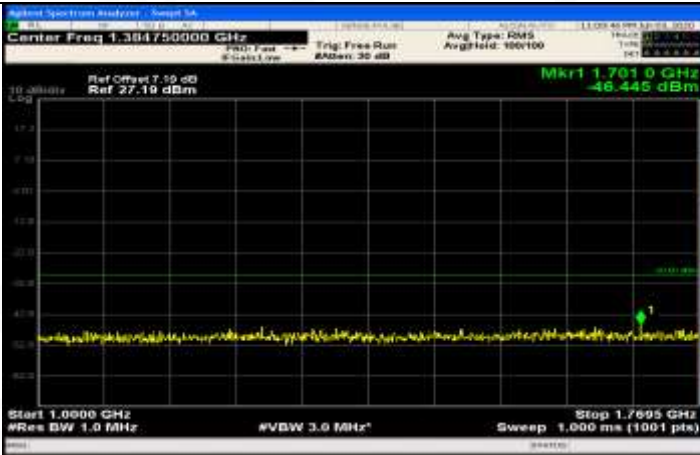


Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth= (5 MHz)\_QPSK\_HCH\_1RB#max

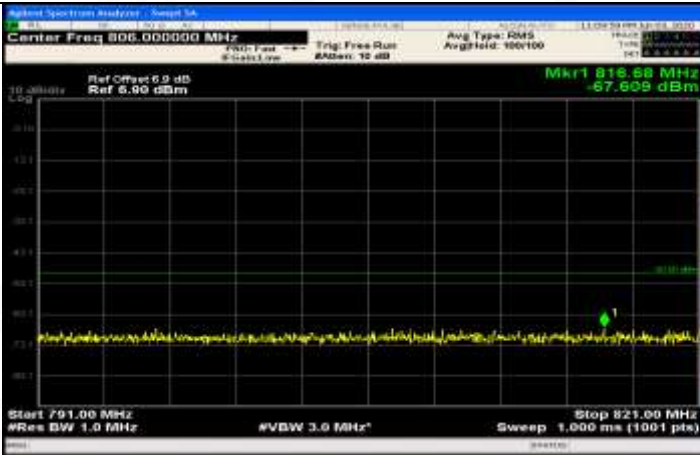
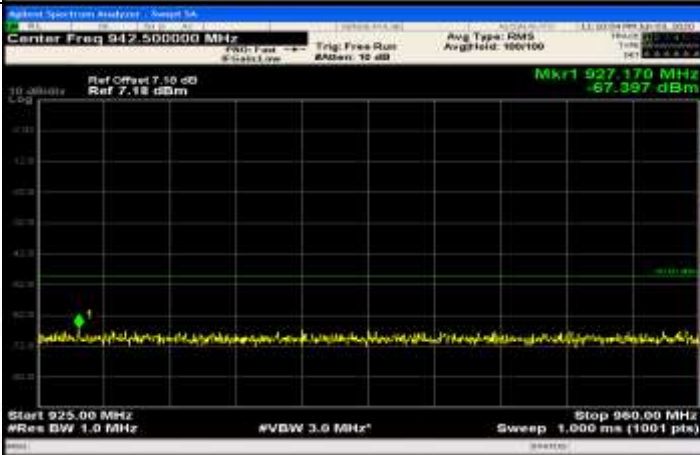
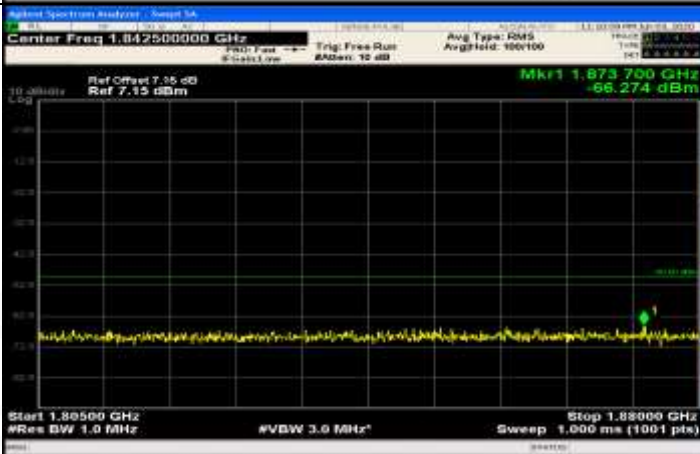




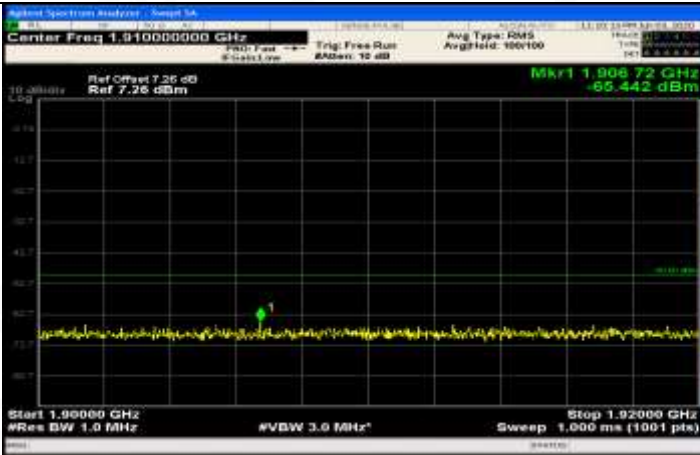
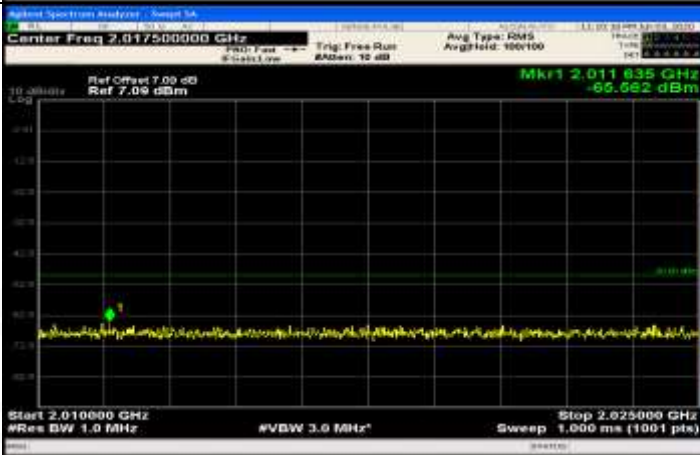
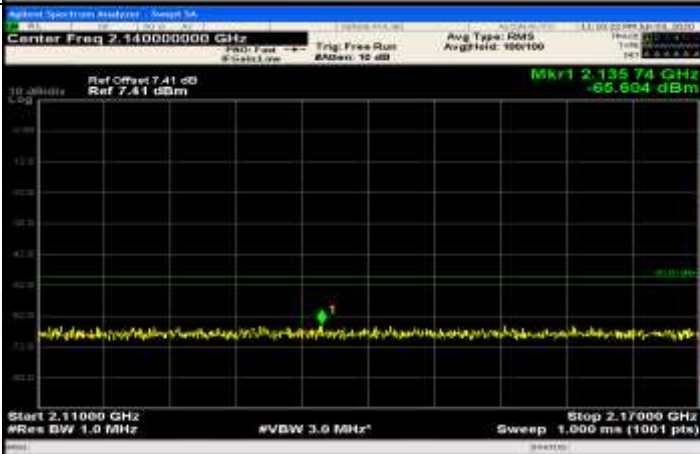
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General	
General	



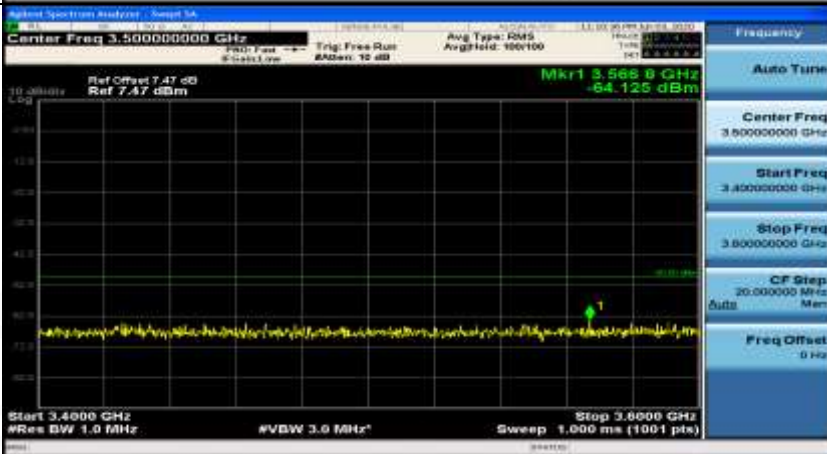
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General	
General	

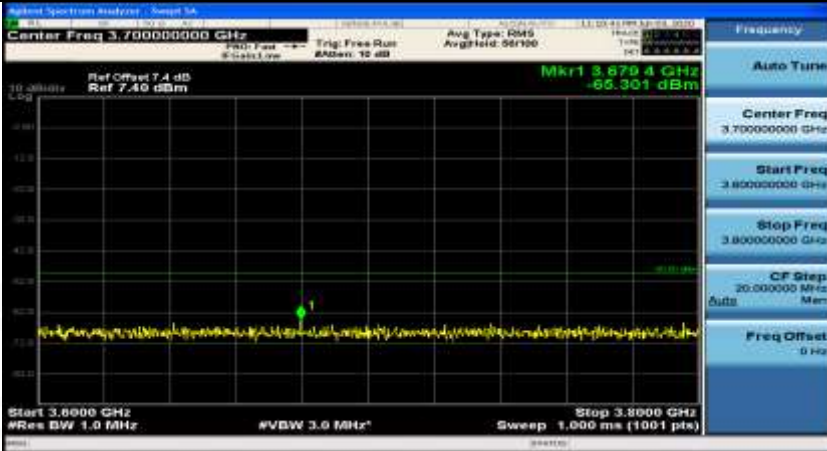




Co-existence	
Co-existence	
Co-existence	



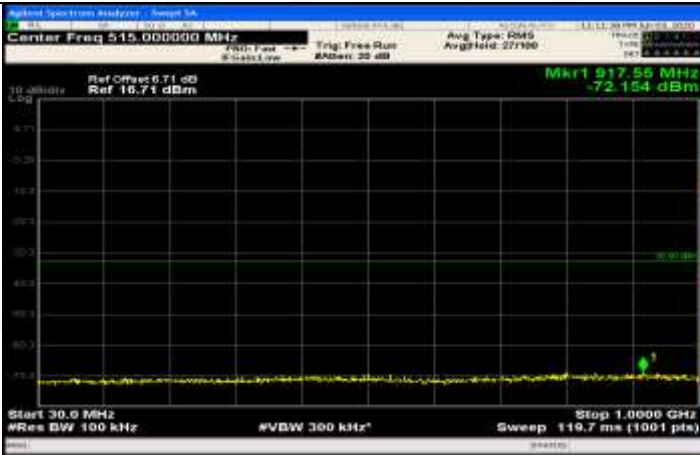
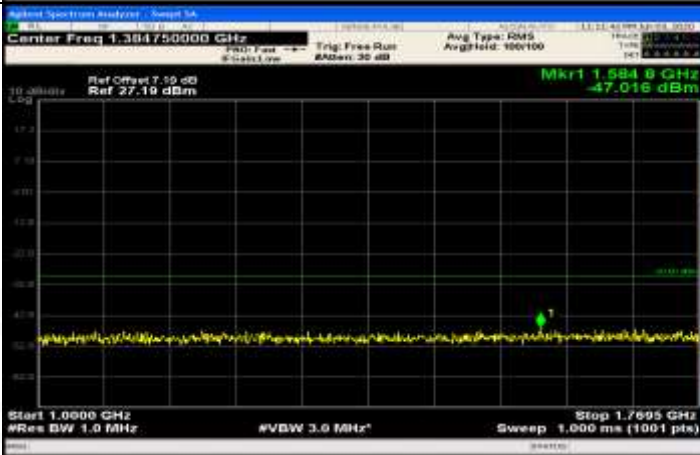

Co-existence	
Co-existence	
Co-existence	


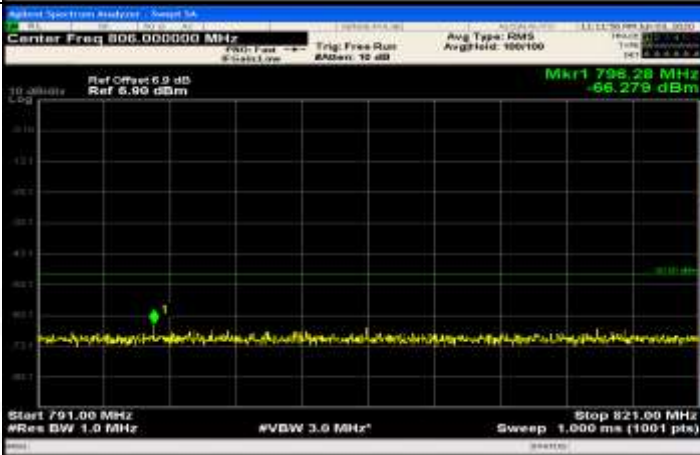
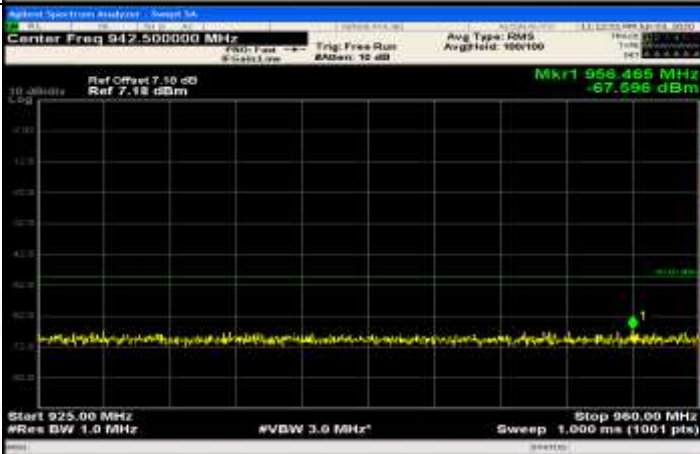
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Co-existence	
Co-existence	

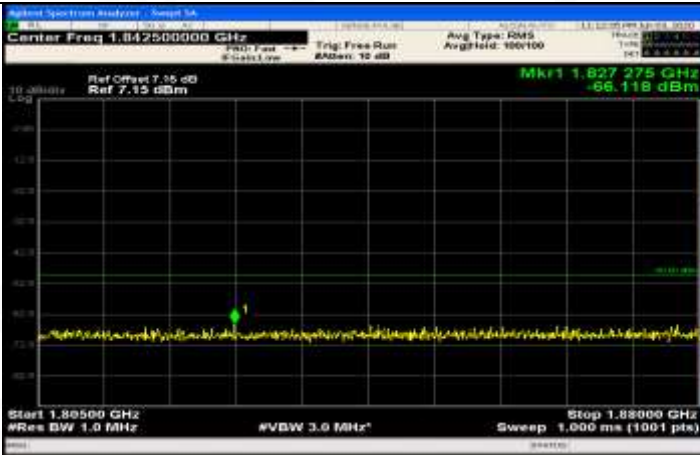
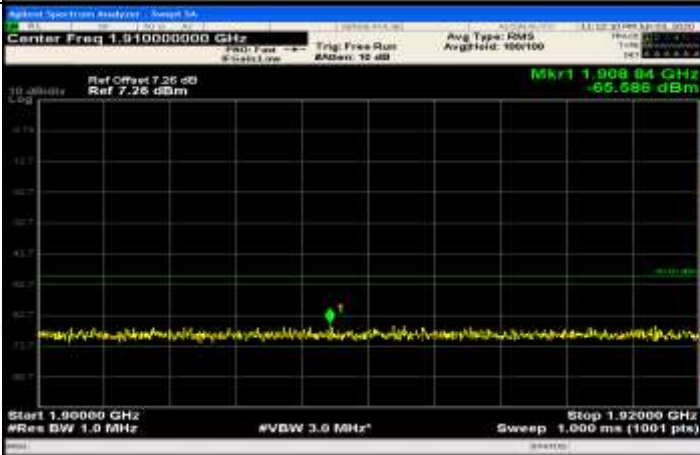
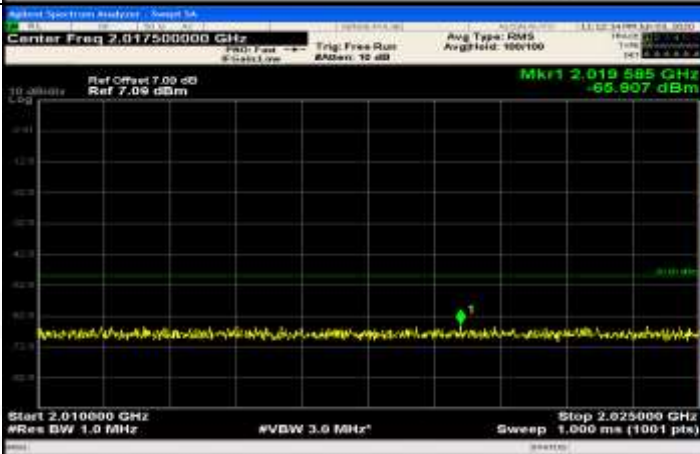
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_HCH_FullIRB#0	
General	
General	

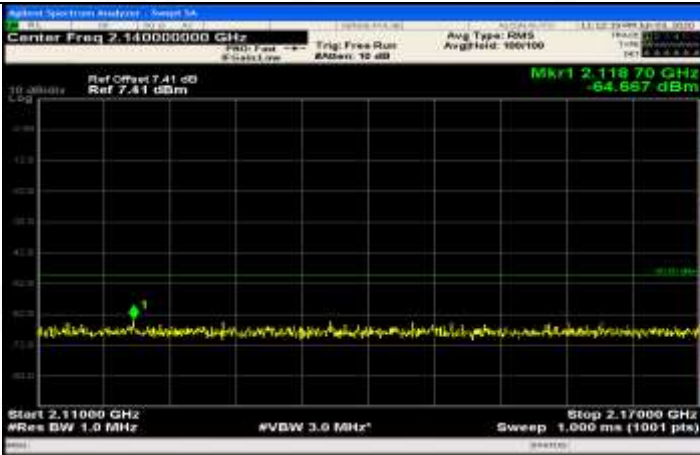
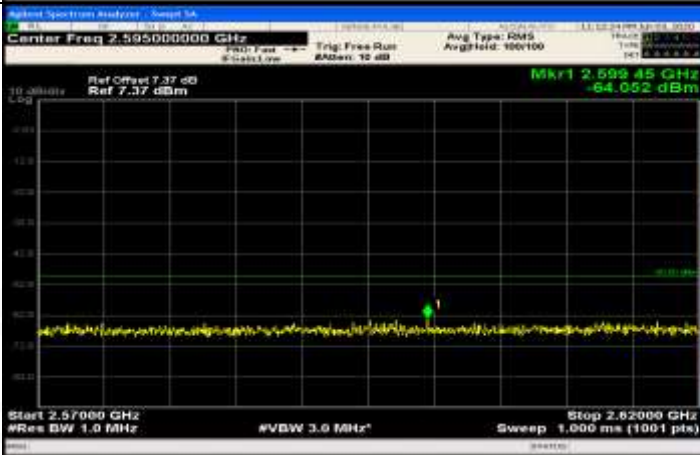
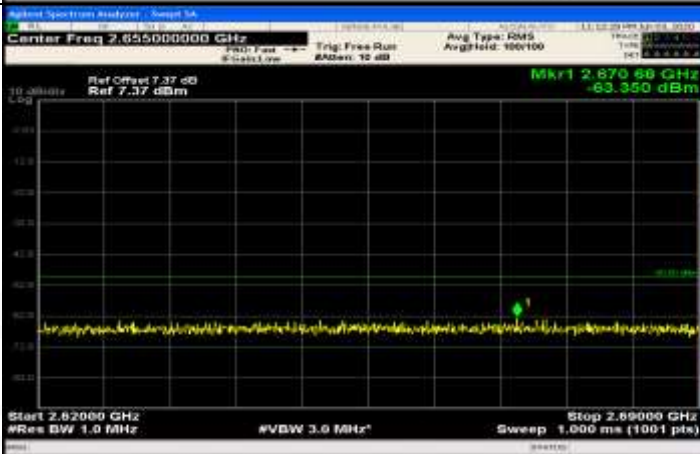


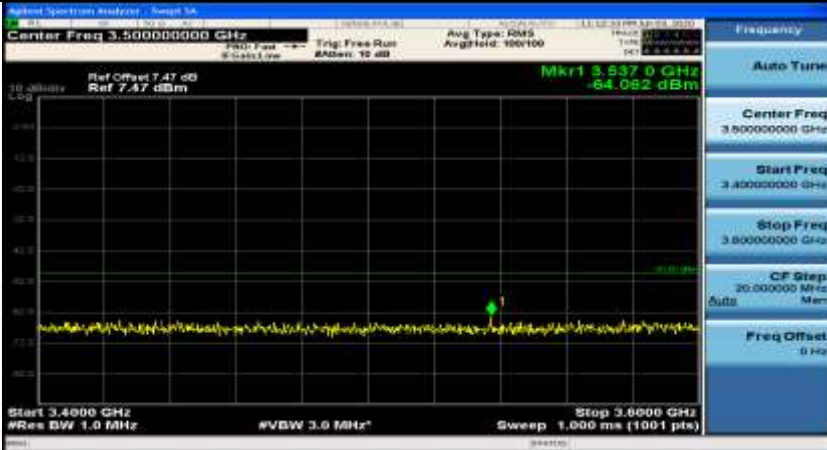

General	
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Co-existence	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



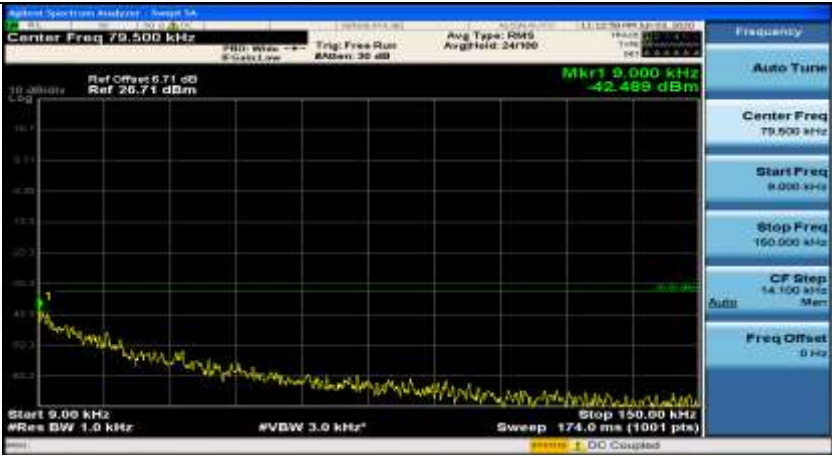

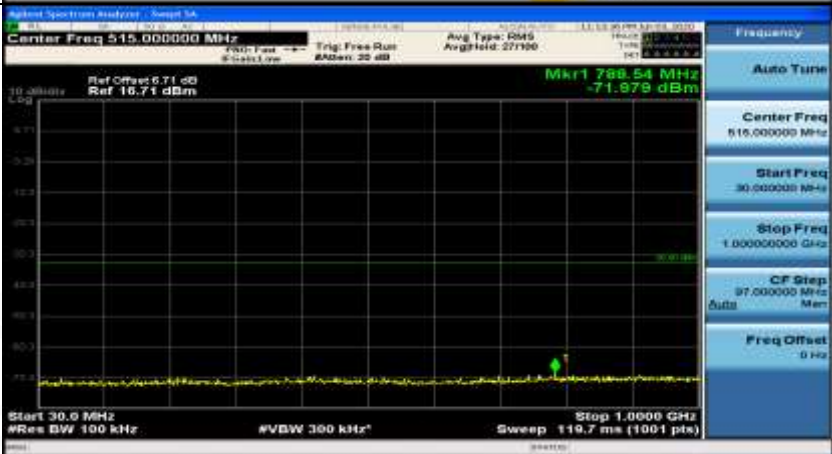
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Additional	NA

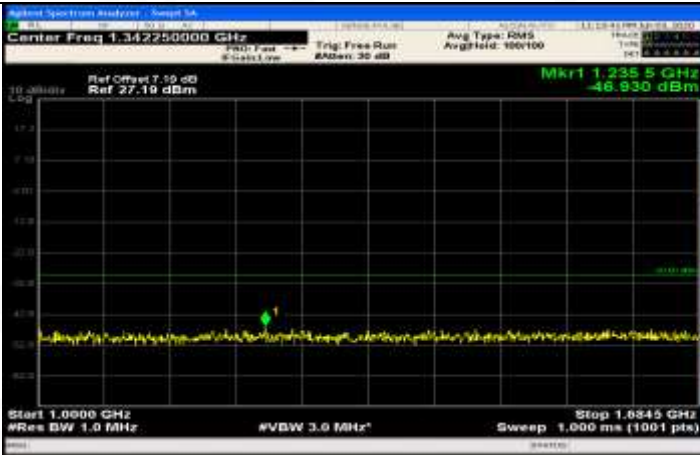


Channel Bandwidth= (20 MHz)

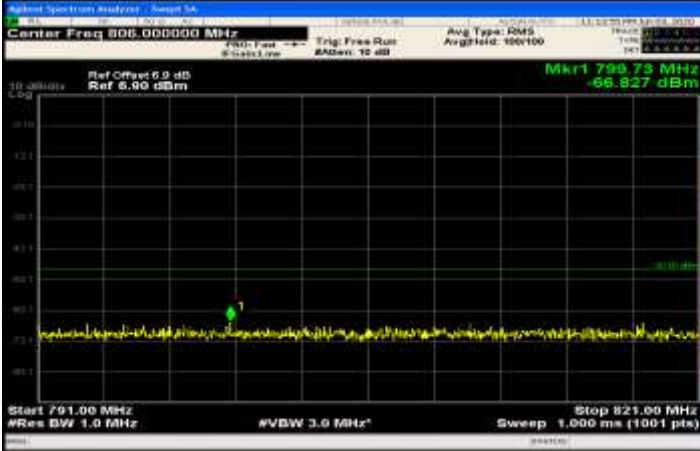
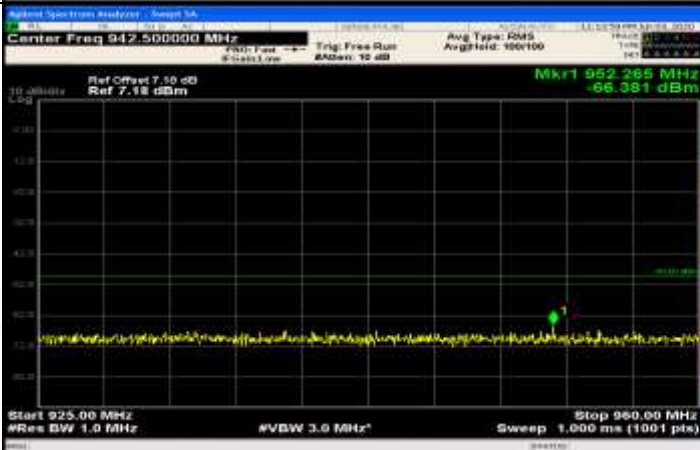
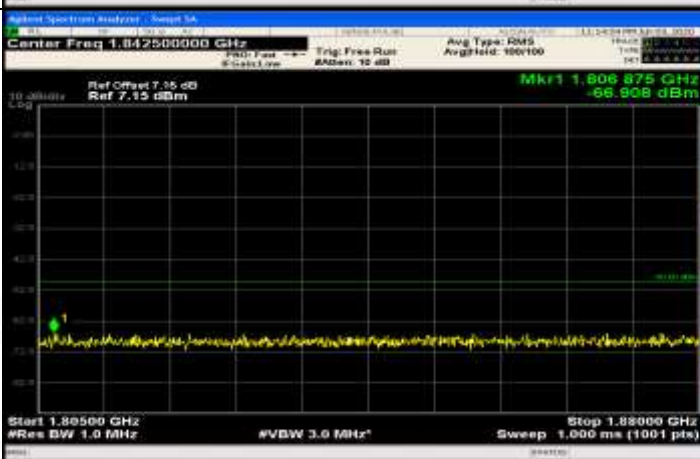
Channel Bandwidth=Highest (20 MHz)\_QPSK\_LCH\_1RB#0

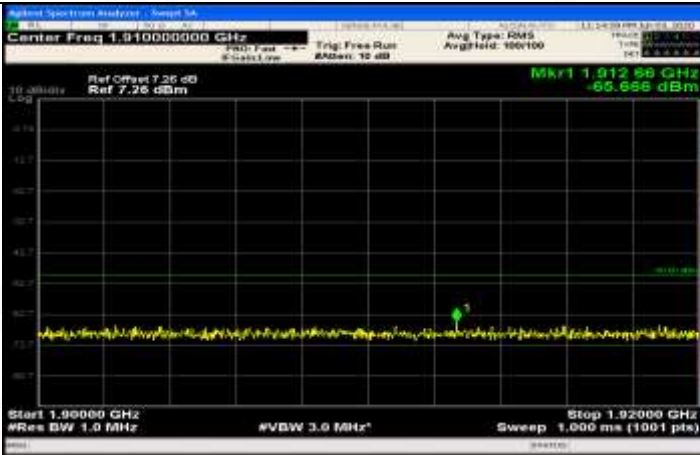
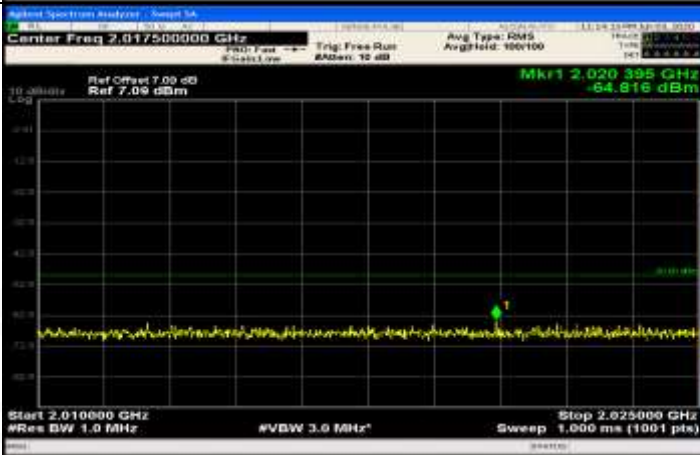
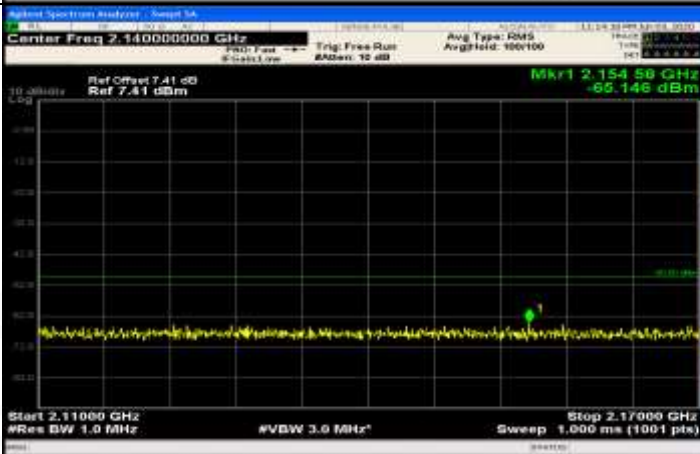


General	
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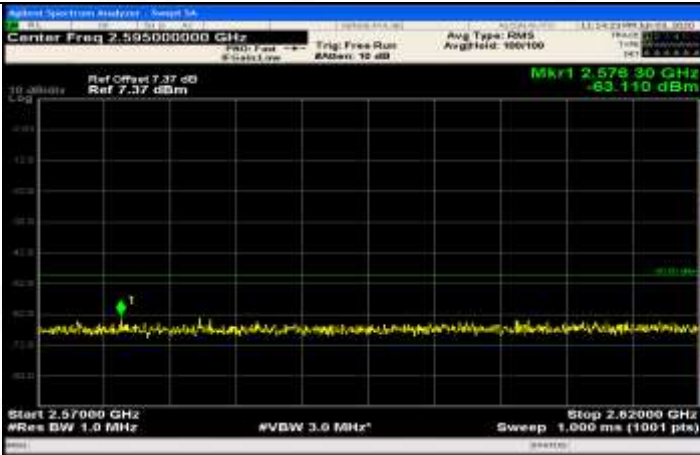
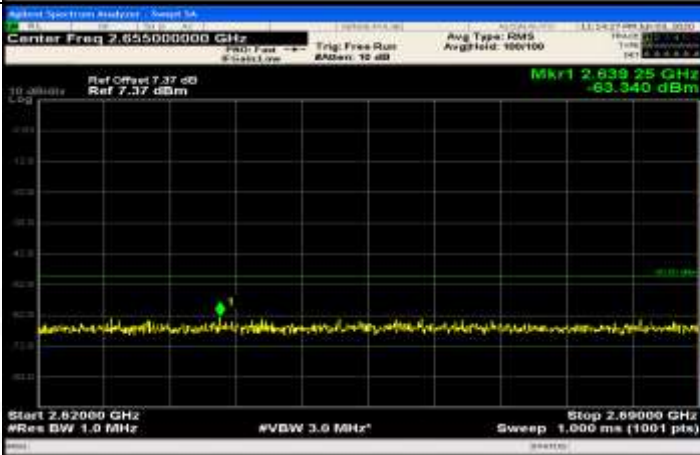
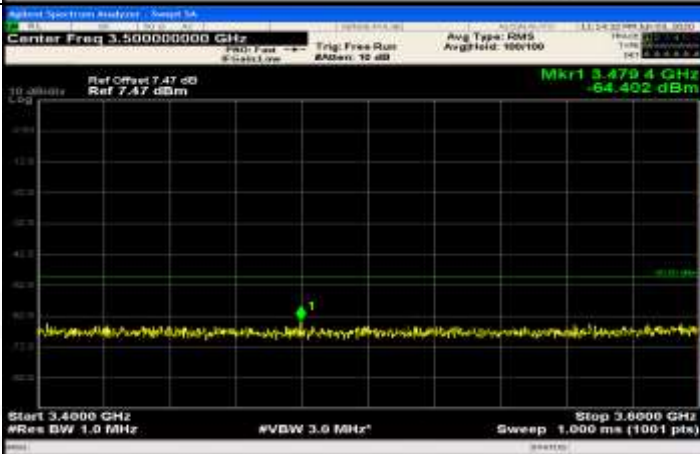


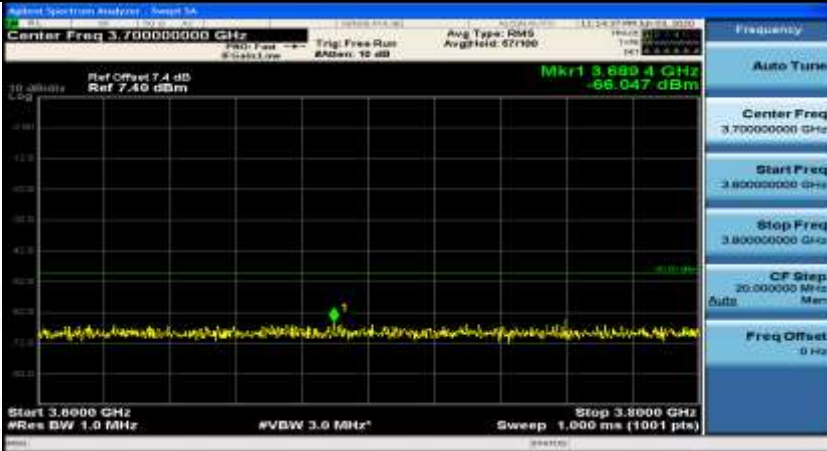
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.342250000 GHz Ref Offset 7.50 dB Ref 27.10 dBm Mkr1 1.235 5 GHz -46.930 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.6345 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 1.342250000 GHz Start Freq 1.000000000 GHz Stop Freq 1.634500000 GHz CF Step 50.000000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.377500000 GHz Ref Offset 7.50 dB Ref 27.10 dBm Mkr1 2.622 GHz -48.198 dBm Start 1.750 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.467 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 3.377500000 GHz Start Freq 1.750000000 GHz Stop Freq 5.000000000 GHz CF Step 324.480000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.57 dB Ref 17.57 dBm Mkr1 12.261 75 GHz -57.820 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 8.875000000 GHz Start Freq 5.000000000 GHz Stop Freq 12.750000000 GHz CF Step 775.000000 MHz Auto Mem Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	

Co-existence	
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Co-existence	

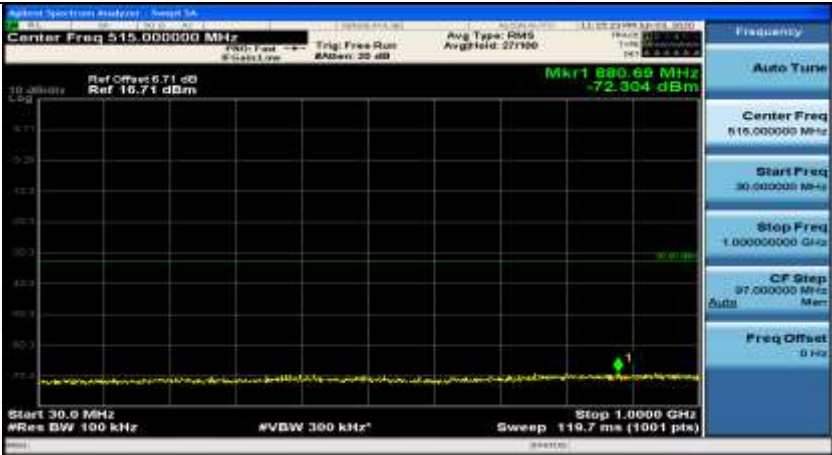
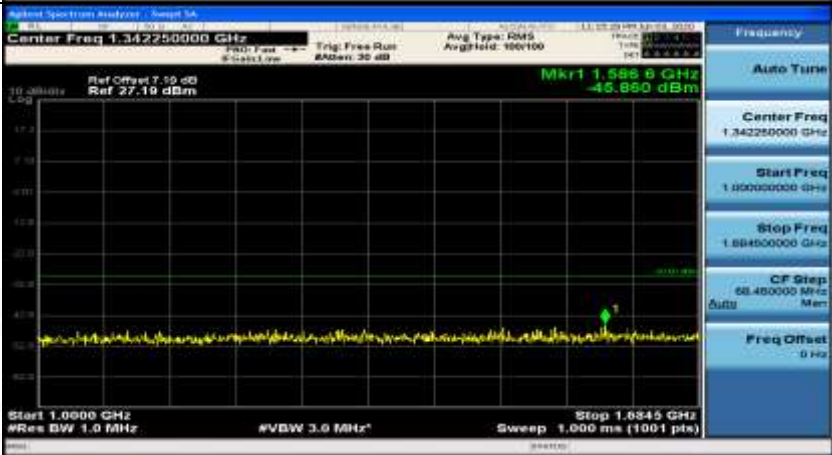



Co-existence	
Co-existence	
Co-existence	


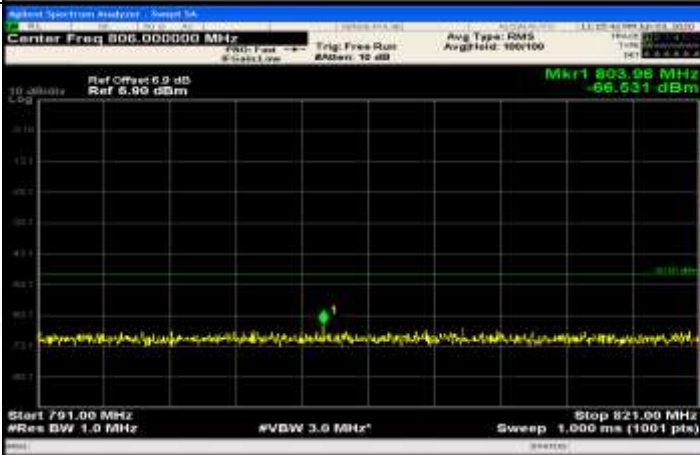
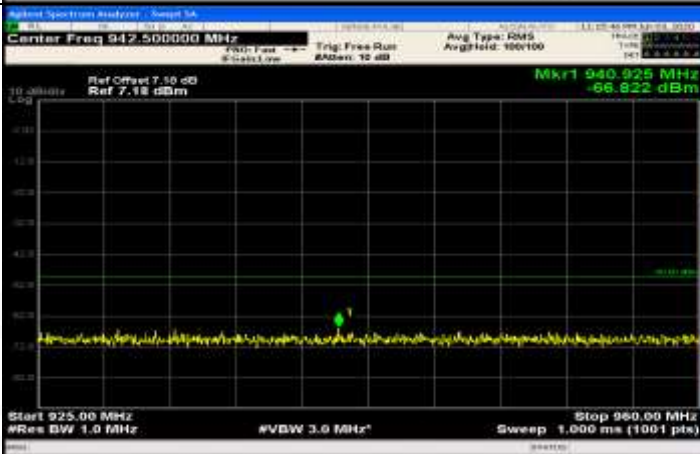
Co-existence	
Additional	NA

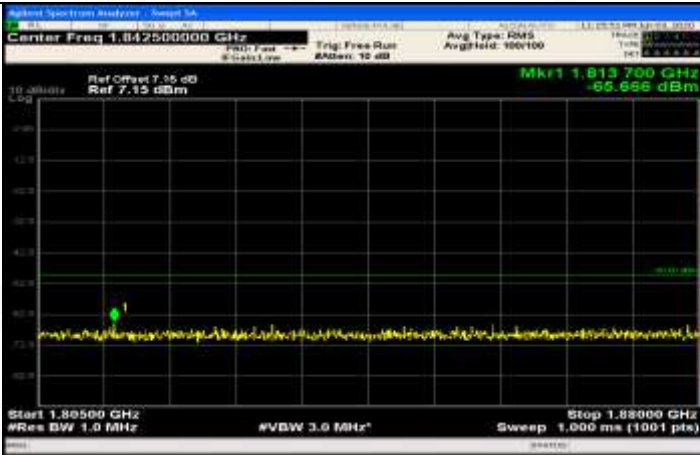
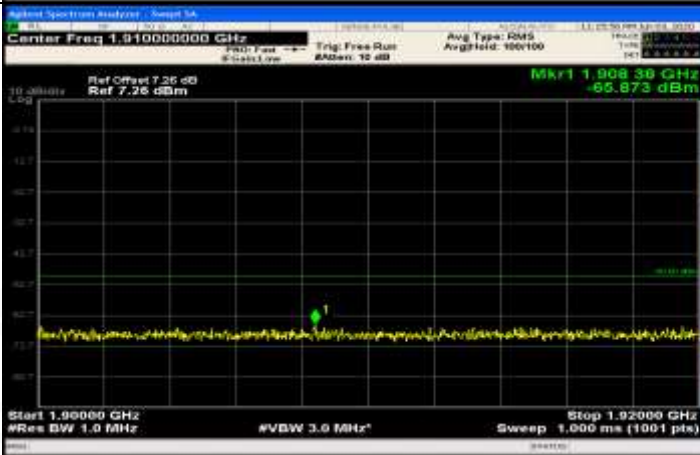
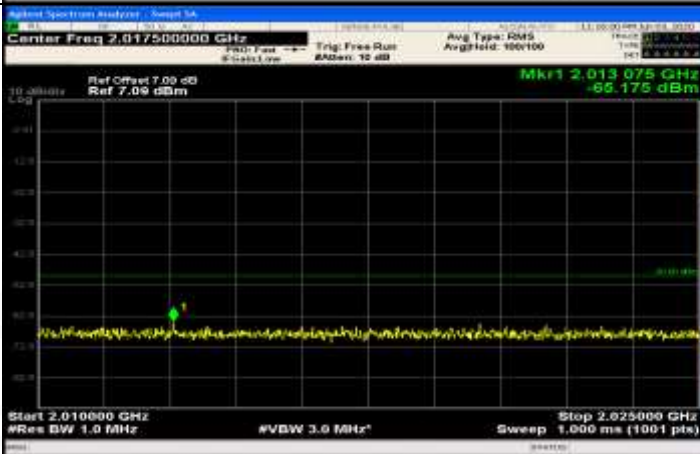
Channel Bandwidth=Highest (#BWH MHz)\_QPSK\_LCH\_1RB#max

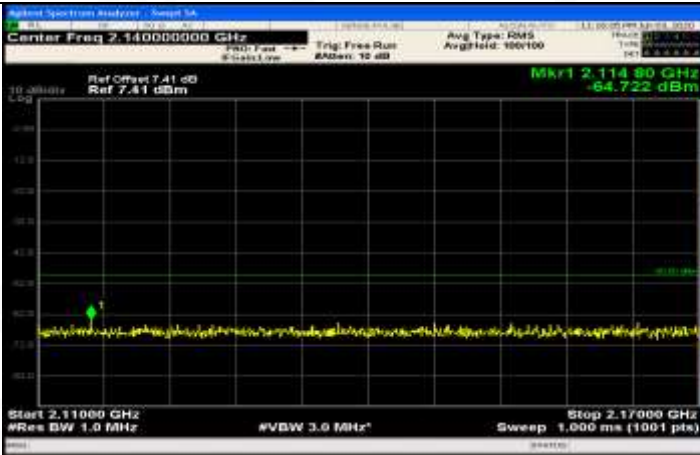
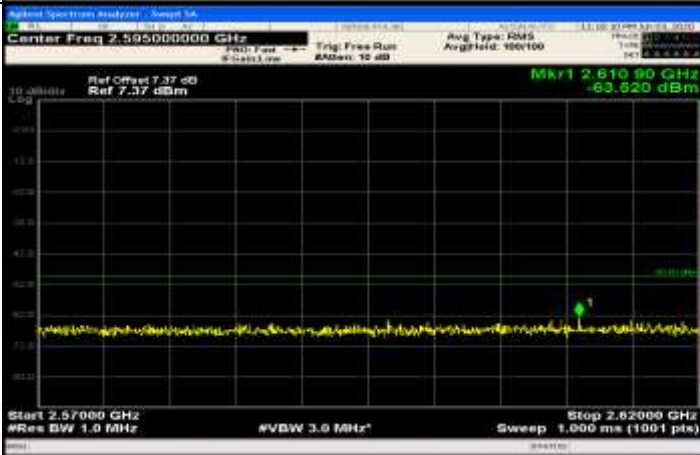
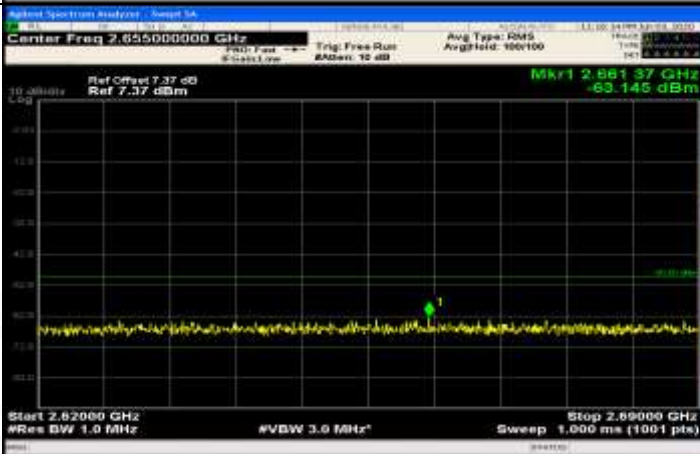
General	
General	

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 16.71 dBm Mkr1 890.69 MHz -72.304 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.342250000 GHz Ref Offset 7.59 dB Ref 27.10 dBm Mkr1 1.5866 GHz -46.880 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.6815 GHz Sweep 1.000 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.37750000 GHz Ref Offset 7.35 dB Ref 27.15 dBm Mkr1 2.421 GHz -48.392 dBm Start 1.750 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.467 ms (1001 pts)</p>






General	
Co-existence	
Co-existence	


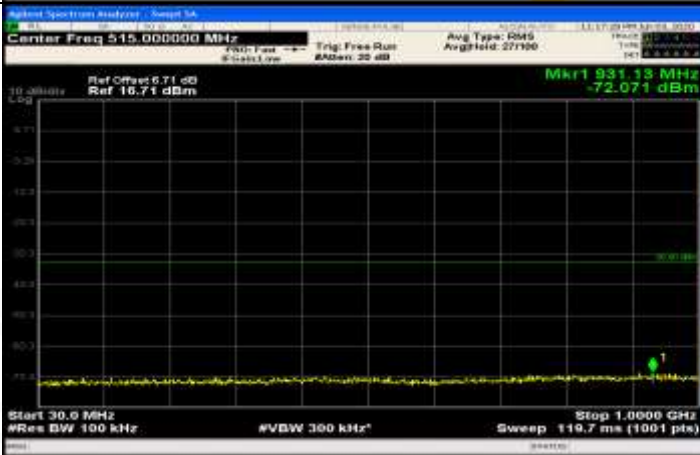
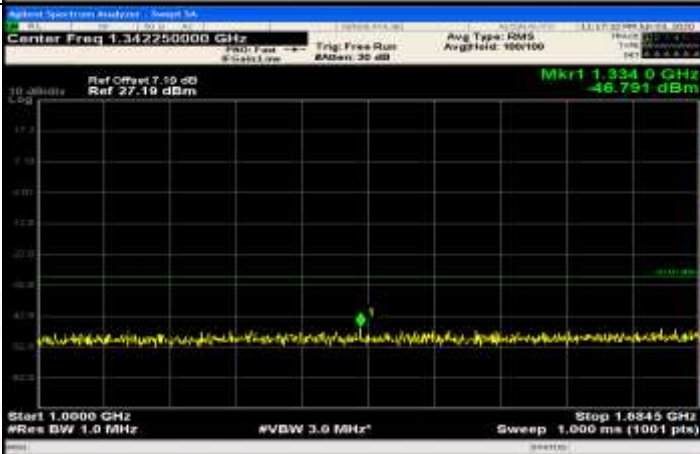
Co-existence	
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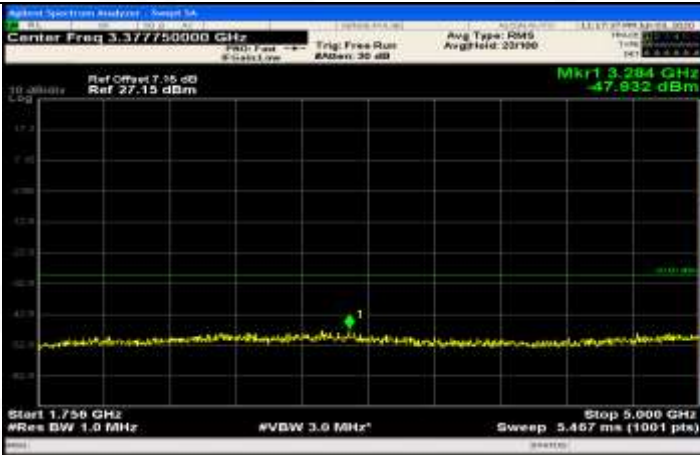

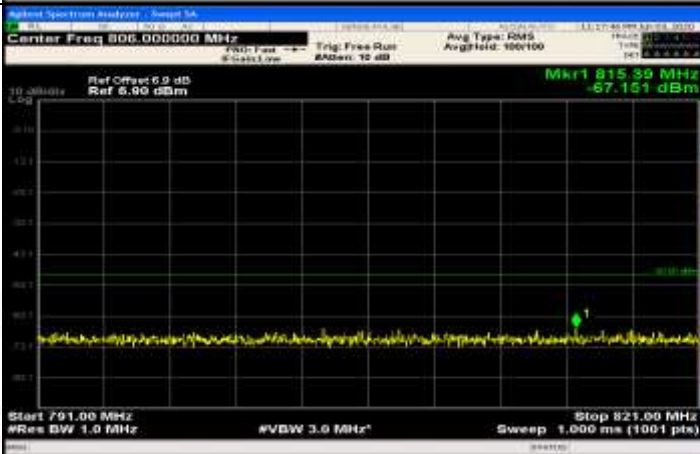
Co-existence	
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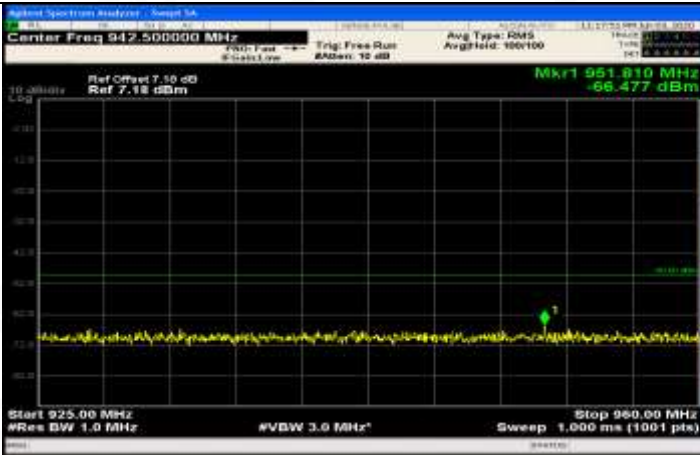
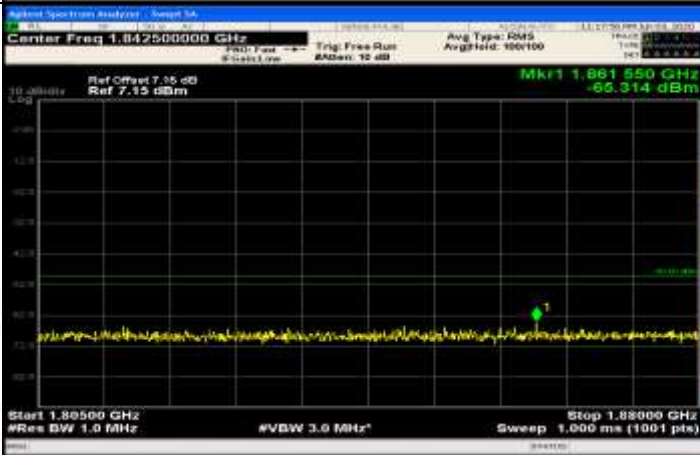
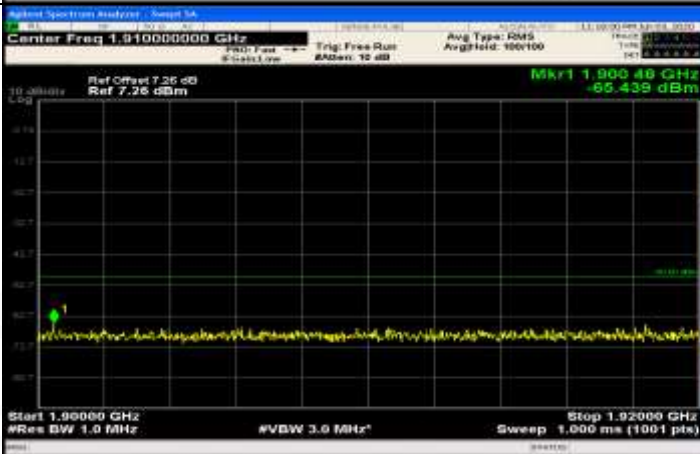
Co-existence	
Co-existence	
Additional	NA

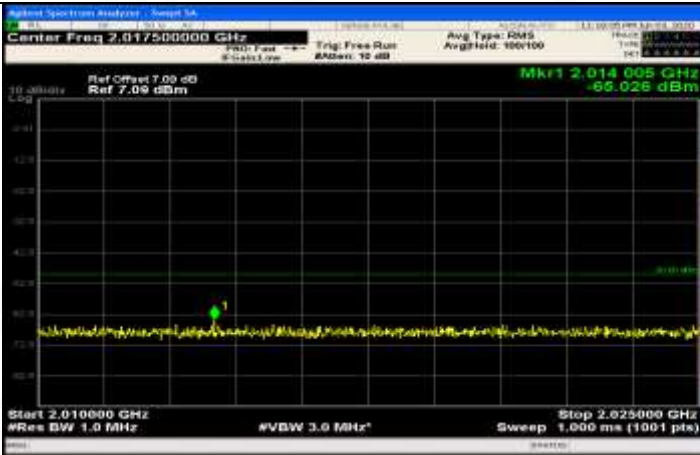
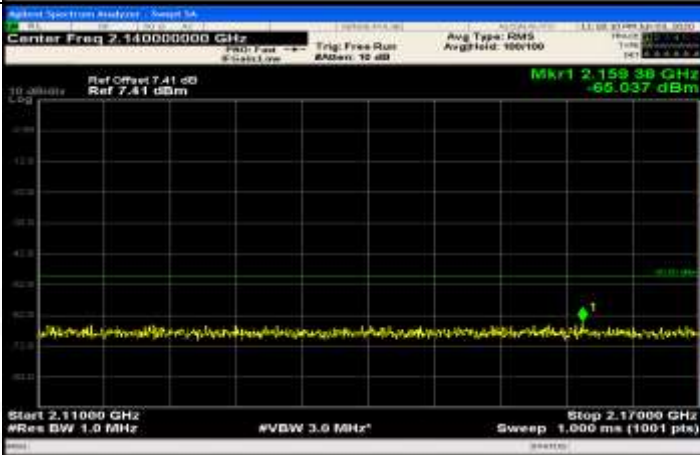
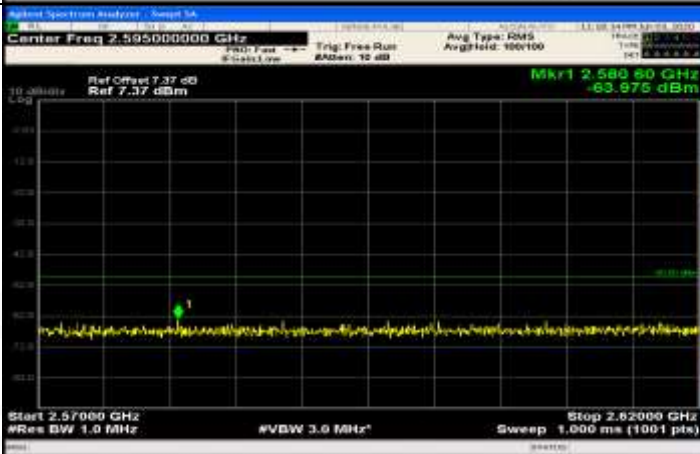
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	

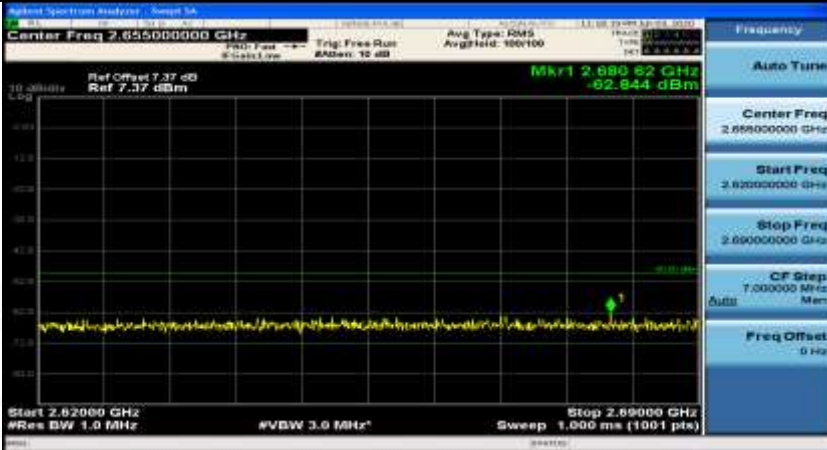
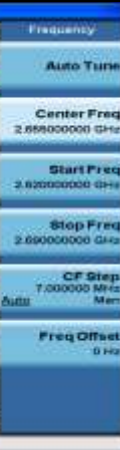
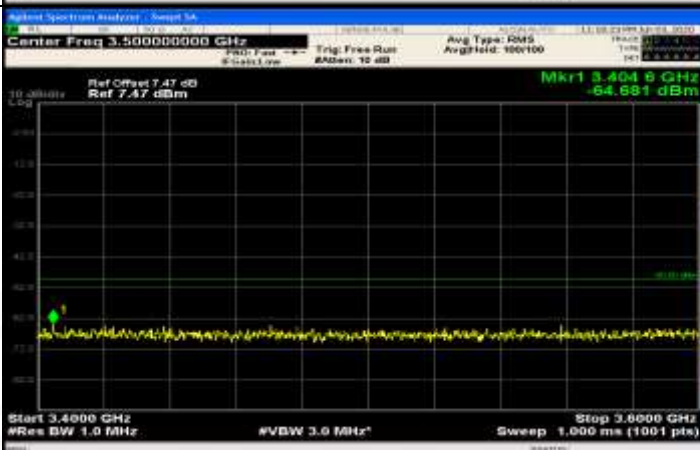
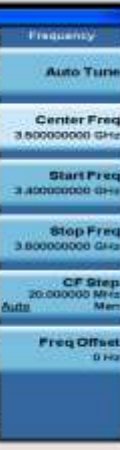
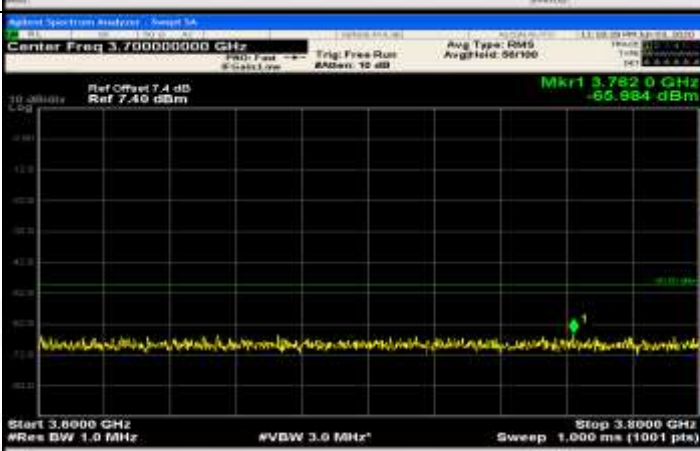

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Co-existence	



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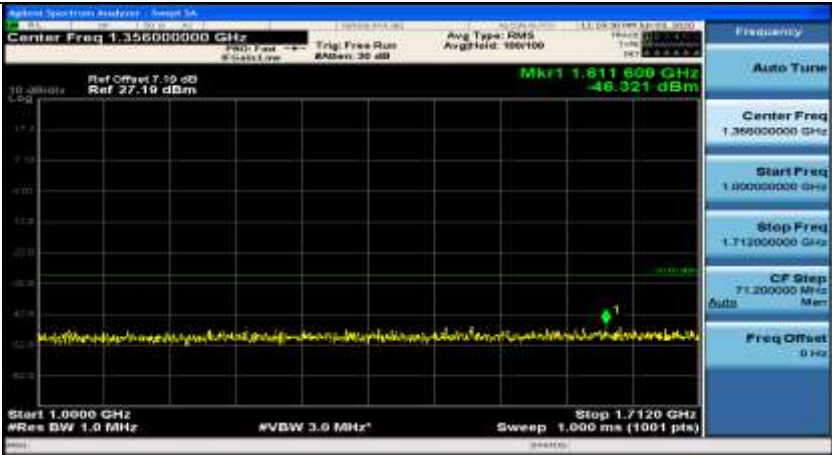


Co-existence		
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Co-existence		
Additional	NA	

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

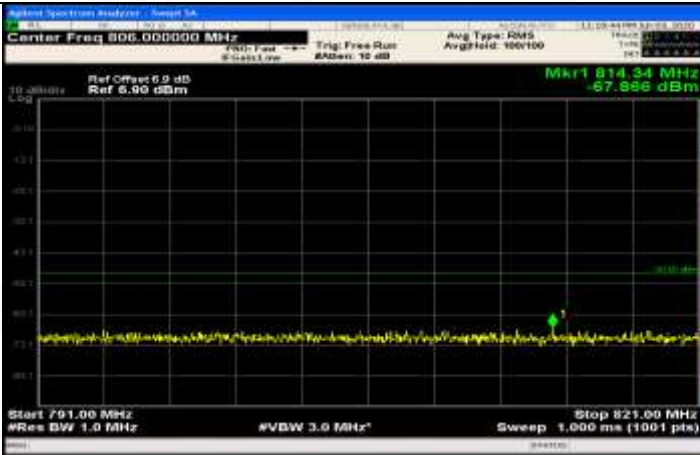
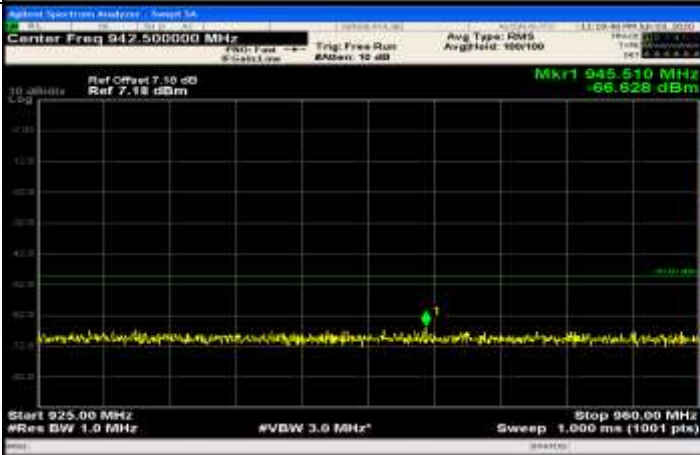
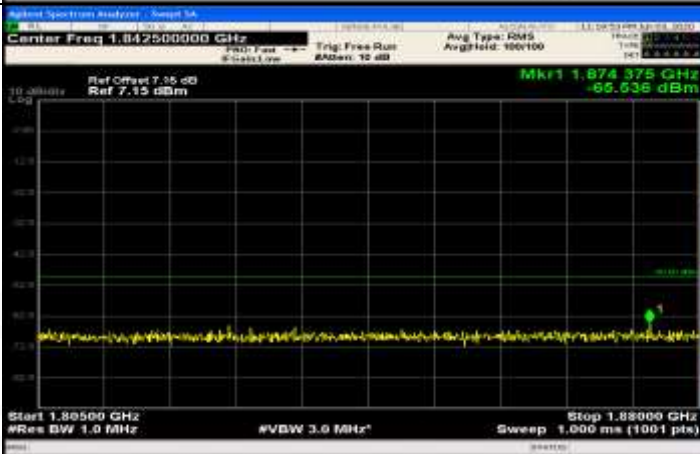




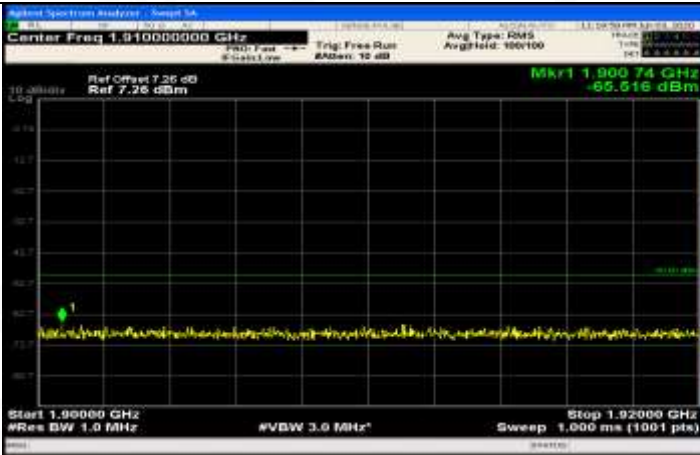
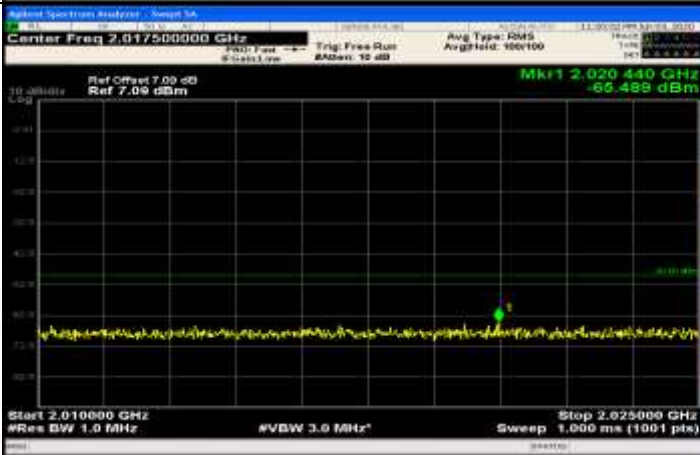
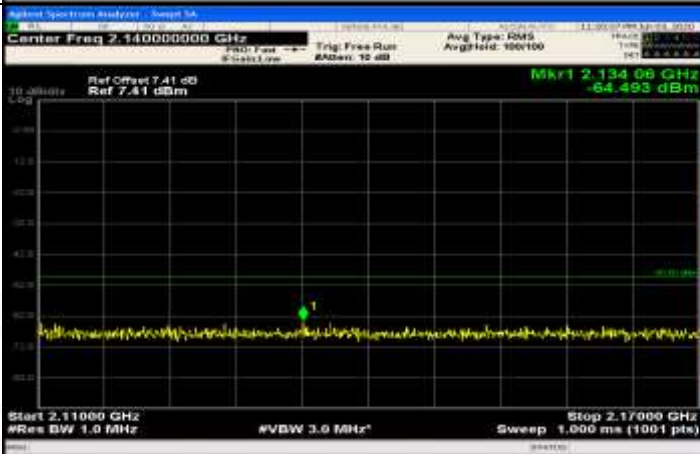
General	
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General	

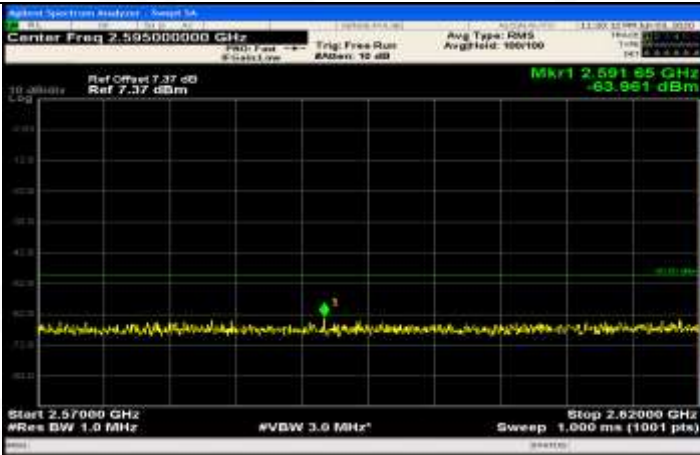
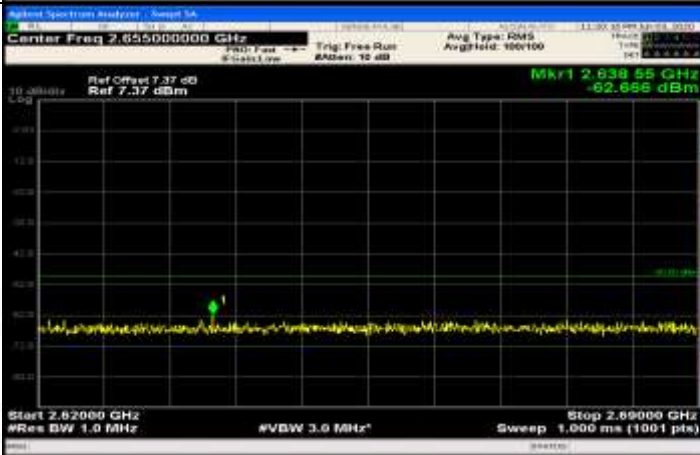
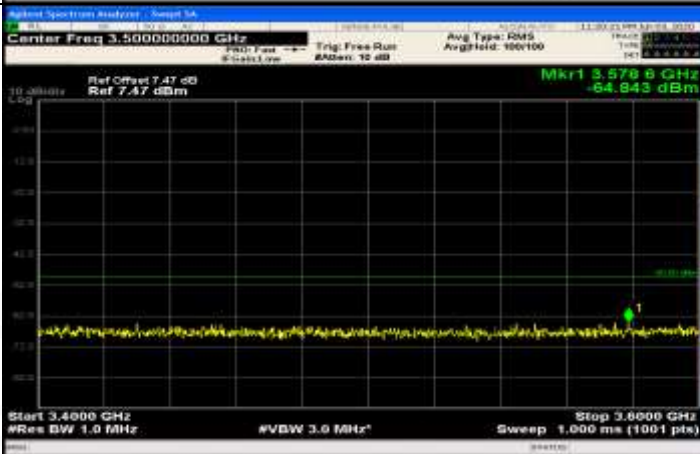
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.35600000 GHz Ref Offset 7.50 dB Ref 27.10 dBm Mkr1 1.811 600 GHz -46.321 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7120 GHz Sweep 1.000 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.39150000 GHz Ref Offset 7.50 dB Ref 27.10 dBm Mkr1 4.994 GHz -47.209 dBm Start 1.723 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.400 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 17.67 dBm Mkr1 12.230 75 GHz -58.094 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>

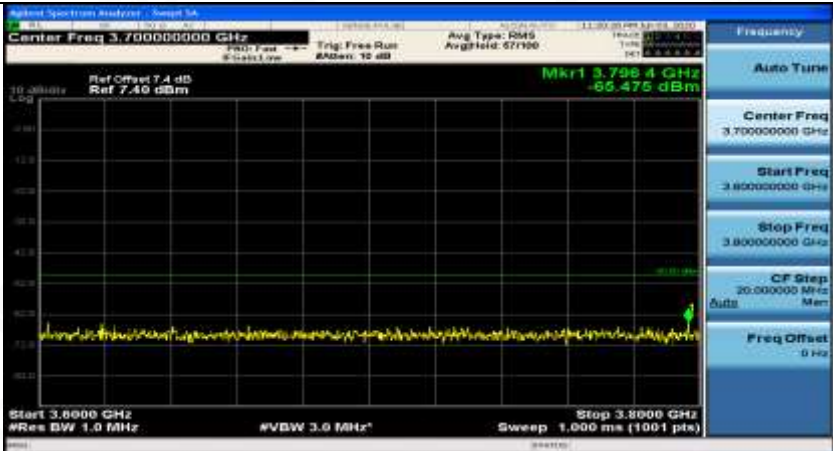


Co-existence	
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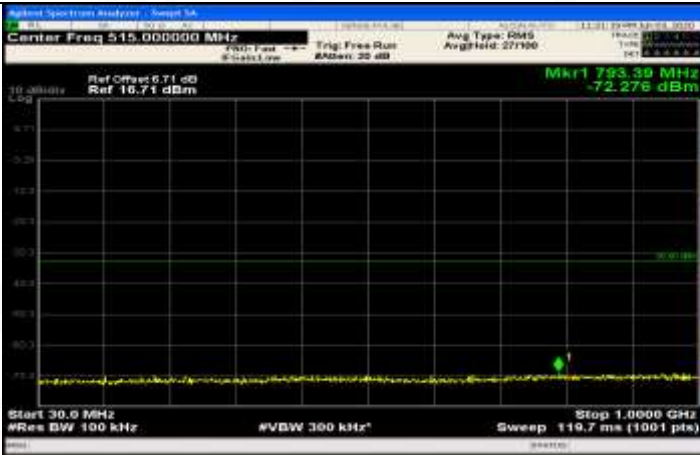
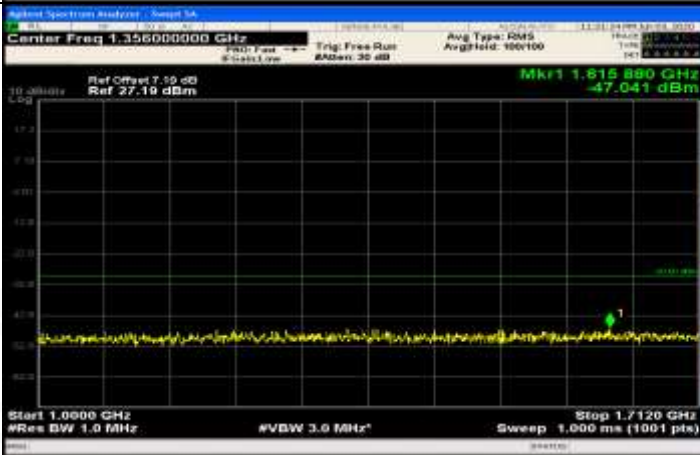

Co-existence	
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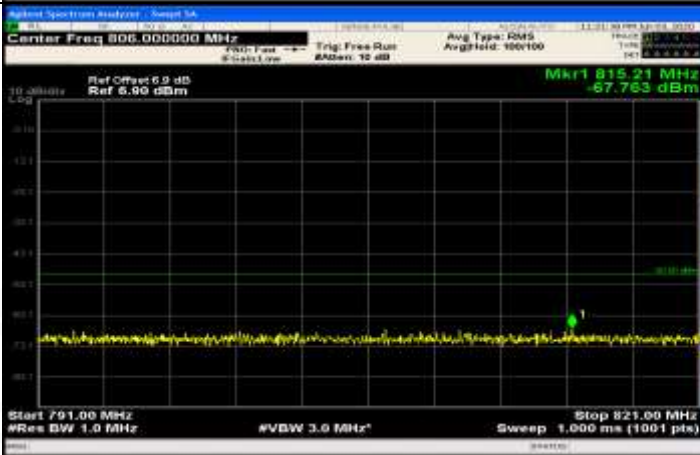
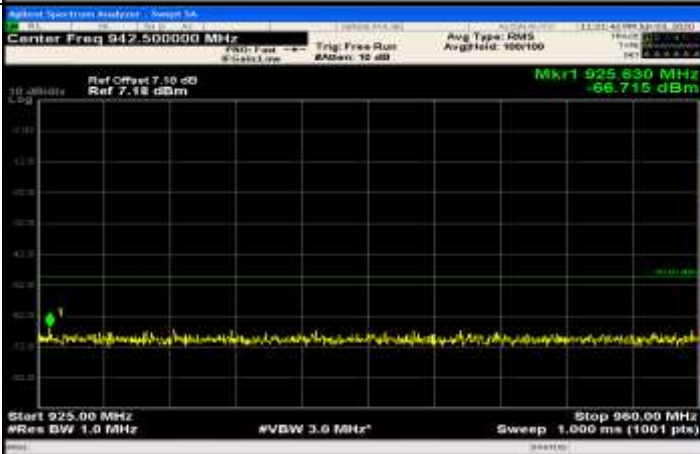
Co-existence	
Additional	NA

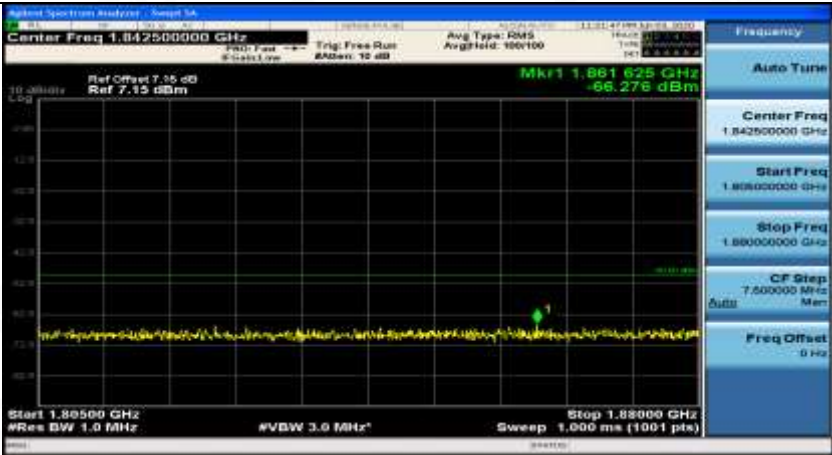
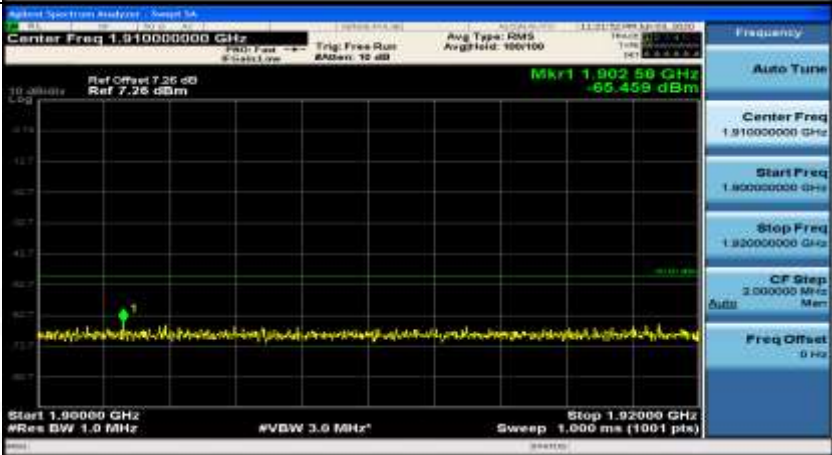
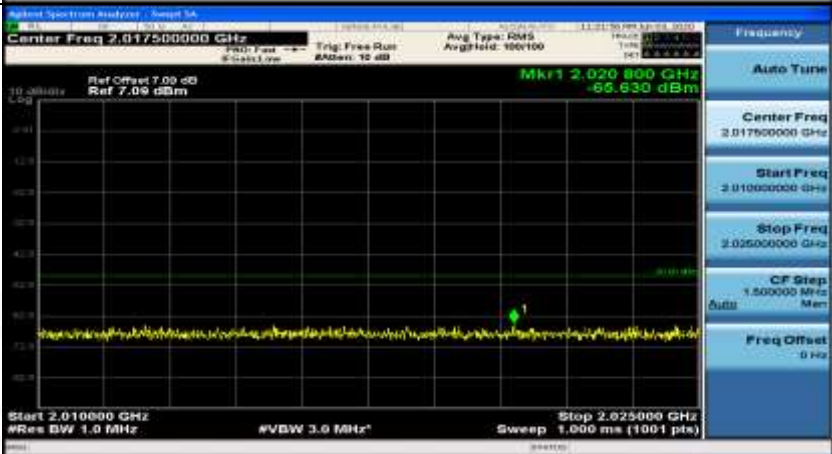
Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#max

General	
General	



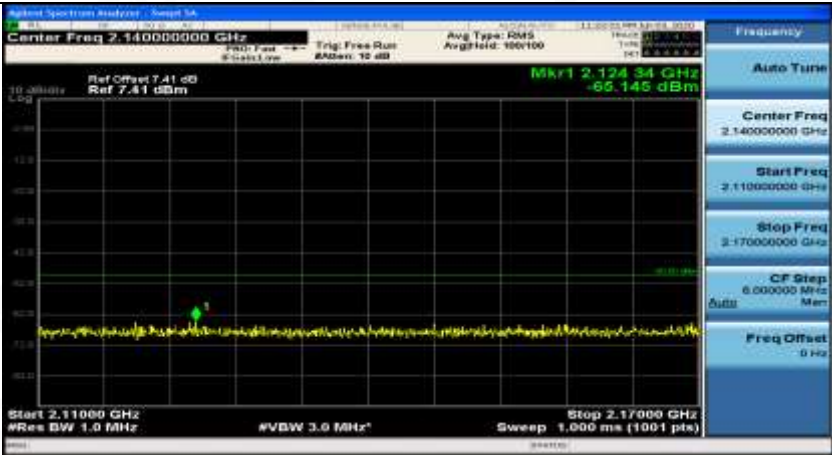
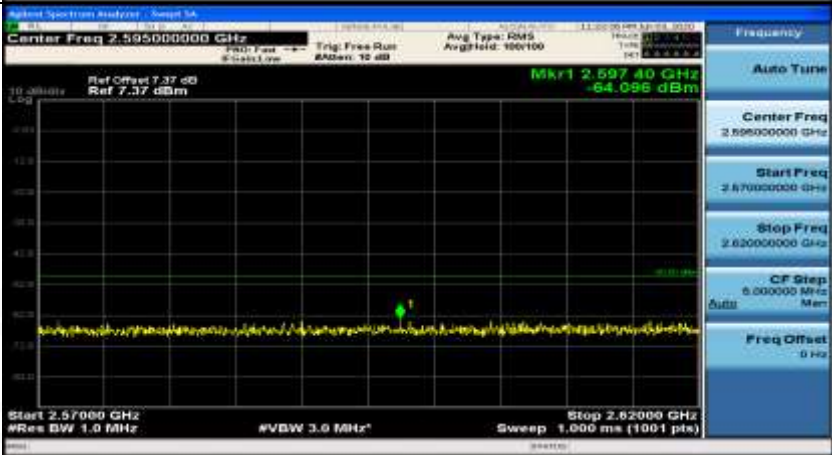
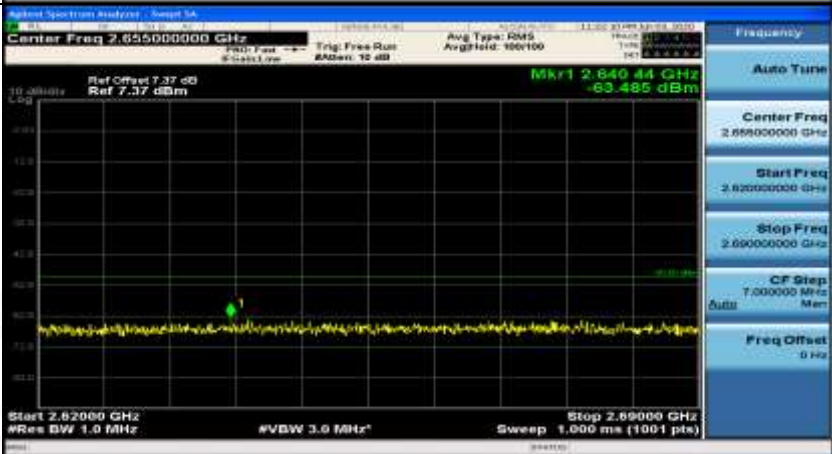
General	
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General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	





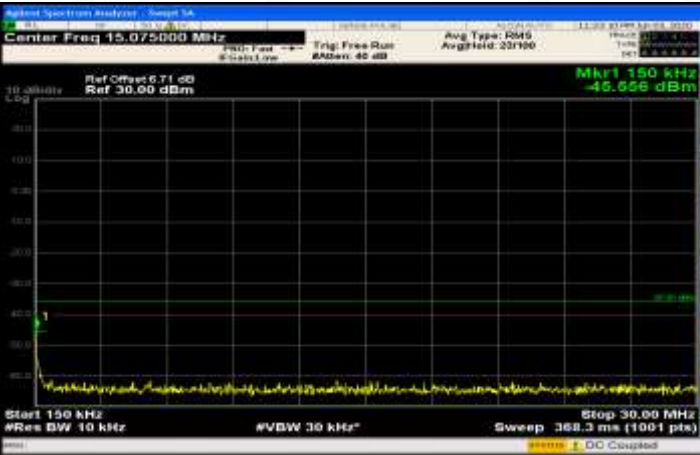
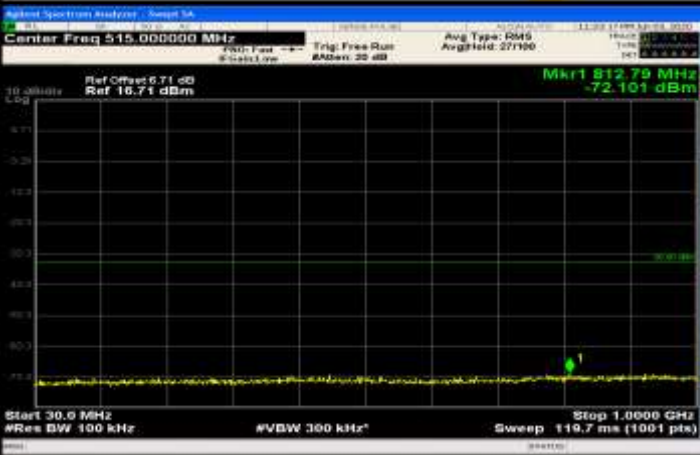
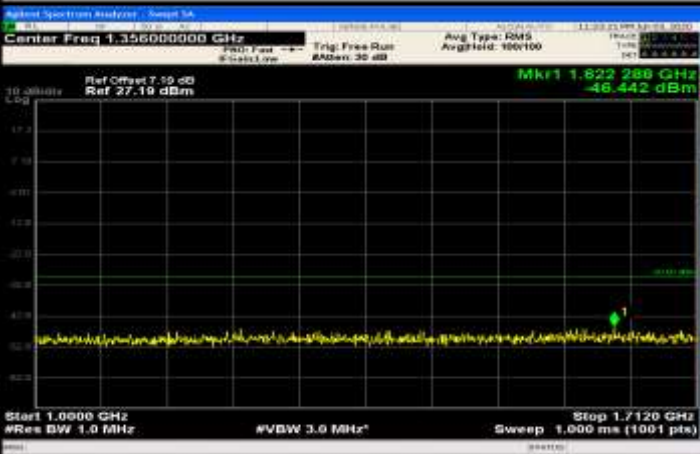
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Additional	NA

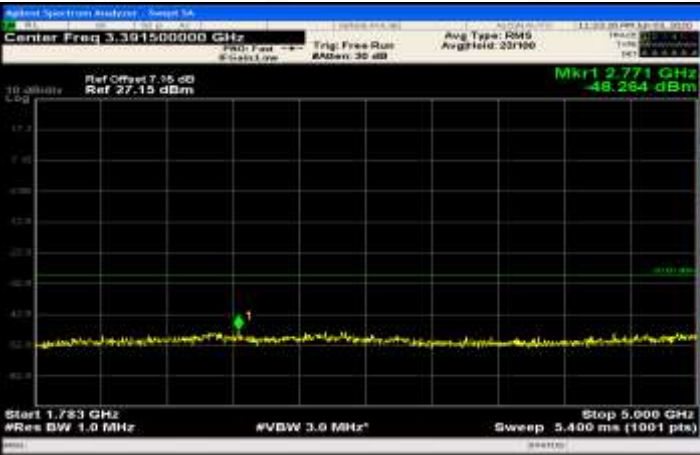
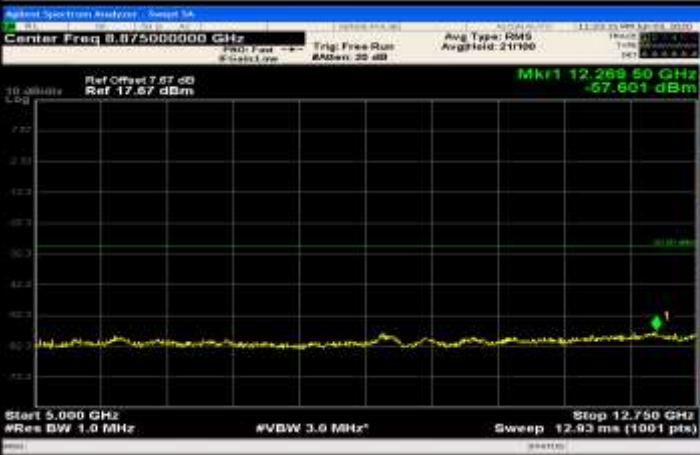
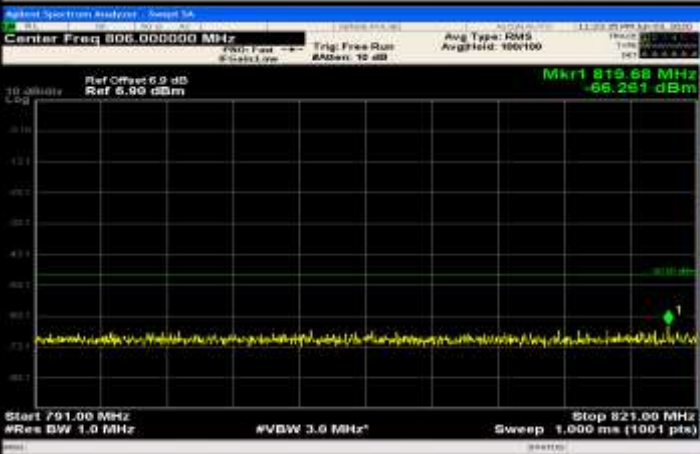
Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_FullIRB#0

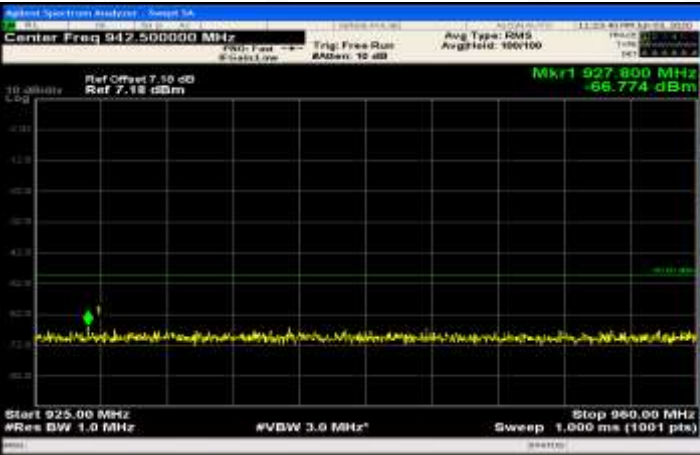
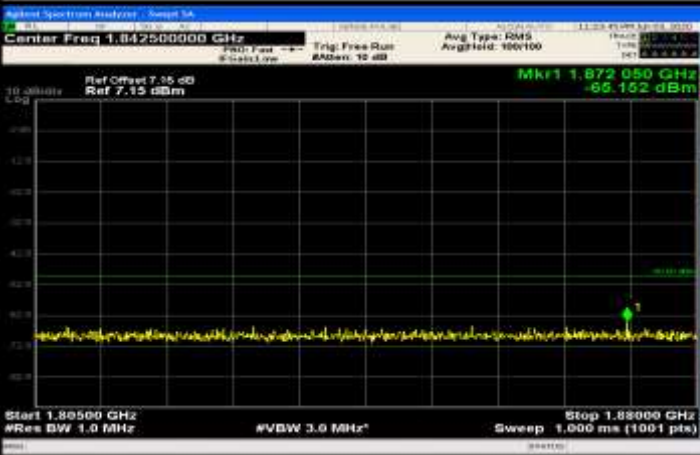
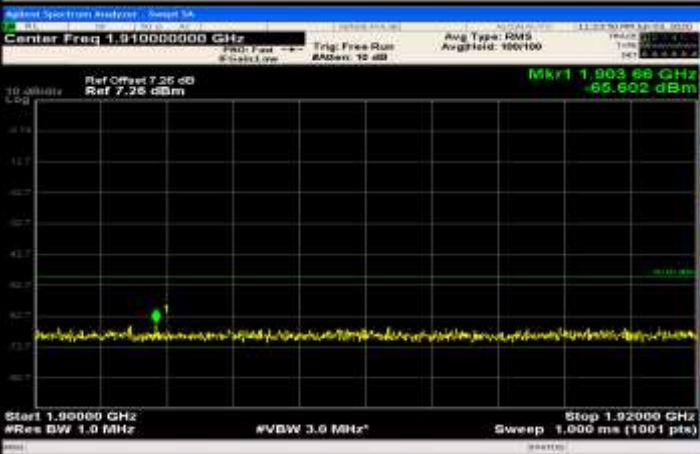
General	
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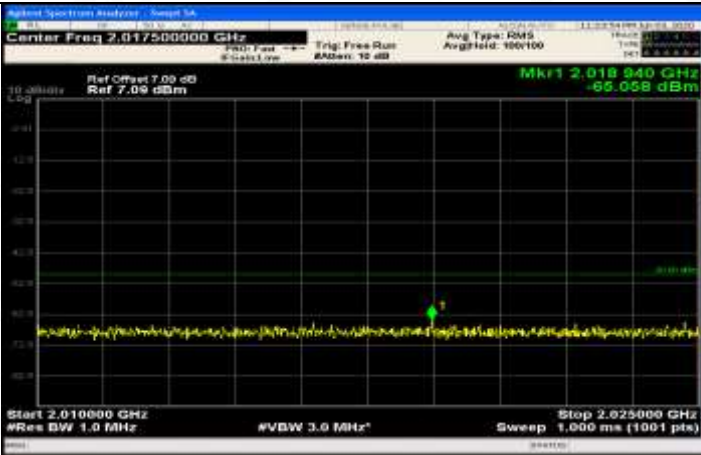
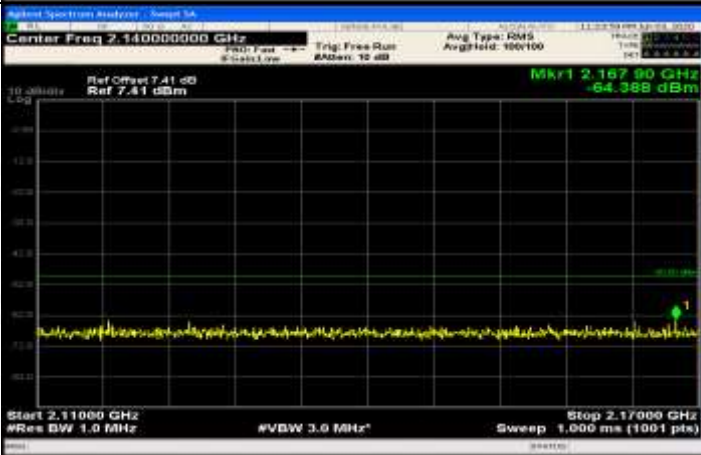
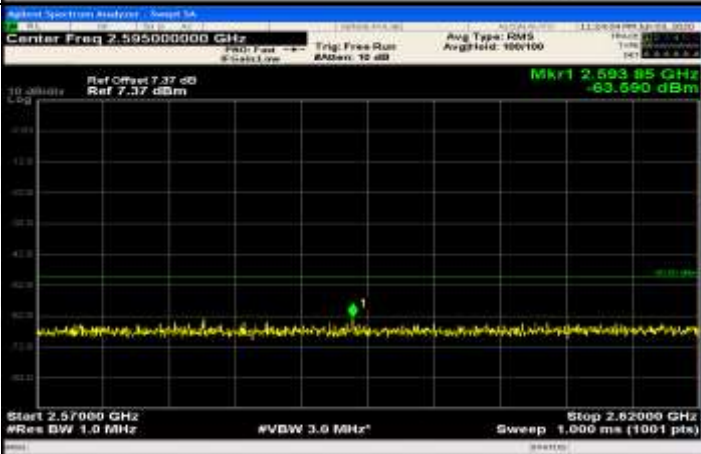


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.985000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.35600000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 1.71200000 GHz</p> <p>CF Step 71.200000 MHz</p> <p>Freq Offset 0 Hz</p>

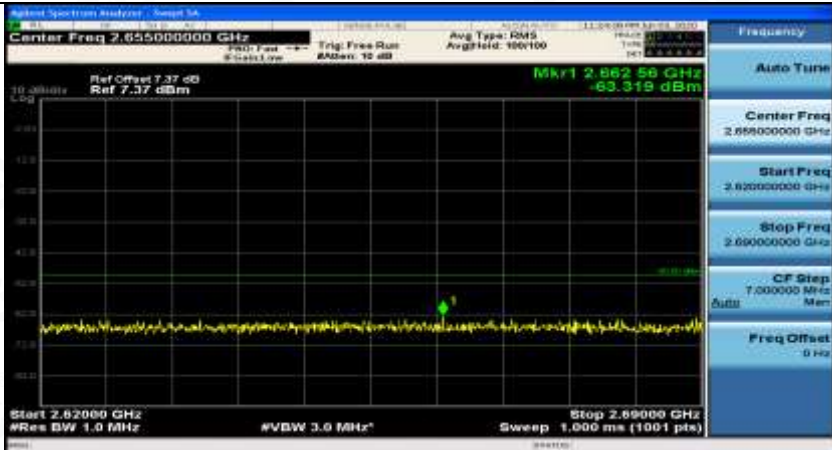
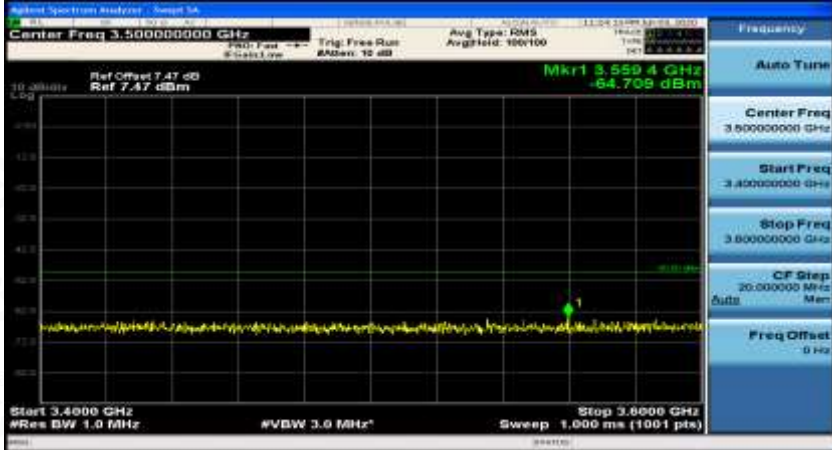
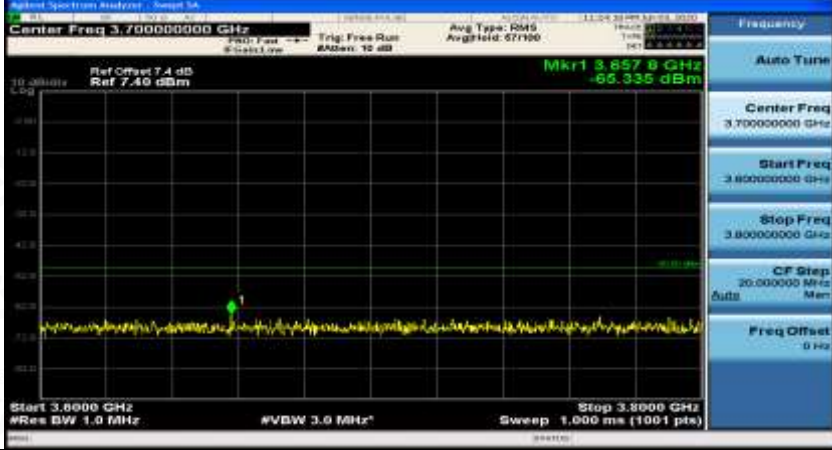


General	 <p>Agilent Spectrum Analyzer - Setup SA Center Freq 3.391500000 GHz Ref Offset 7.35 dB Ref 27.15 dBm Mkr1 2.771 GHz -48.264 dBm Start 1.783 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.400 ms (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.391500000 GHz</p> <p>Start Freq 1.783000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 321.7000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Setup SA Center Freq 8.875000000 GHz Ref Offset 7.87 dB Ref 17.87 dBm Mkr1 12.269 50 GHz -67.601 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 6.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 776.0000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Setup SA Center Freq 806.0000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 819.88 MHz -66.251 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.0000000 MHz</p> <p>Start Freq 791.0000000 MHz</p> <p>Stop Freq 821.0000000 MHz</p> <p>CF Step 3.0000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>




Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>



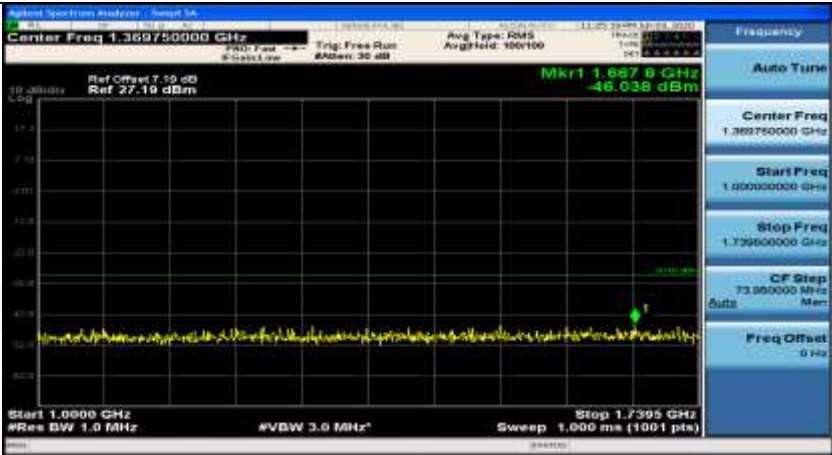


Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0

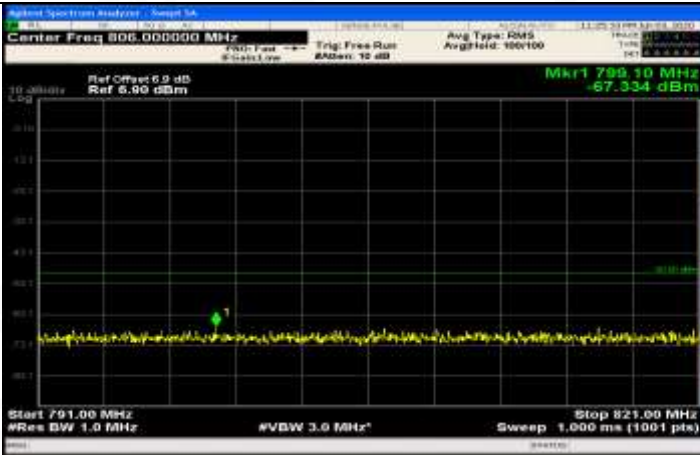
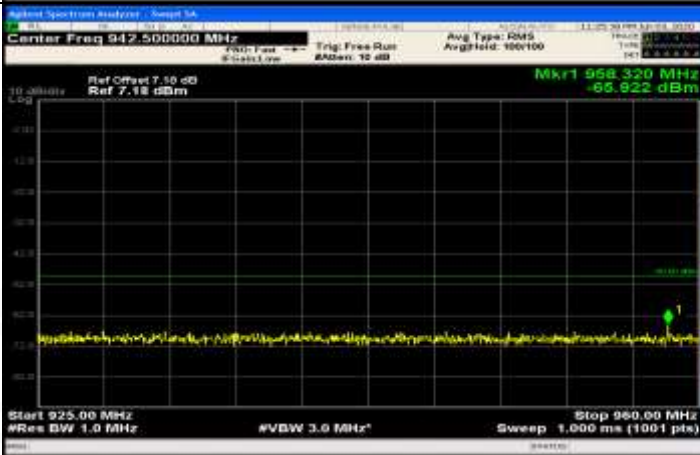
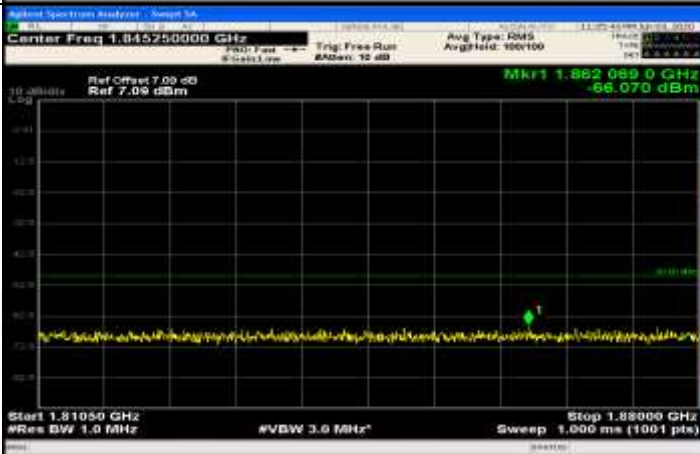


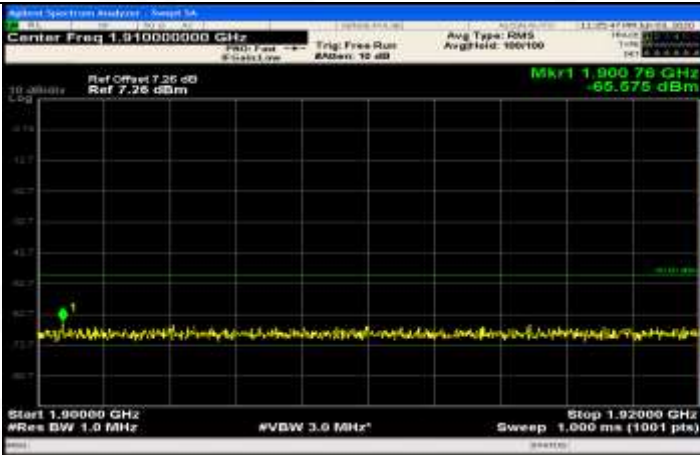
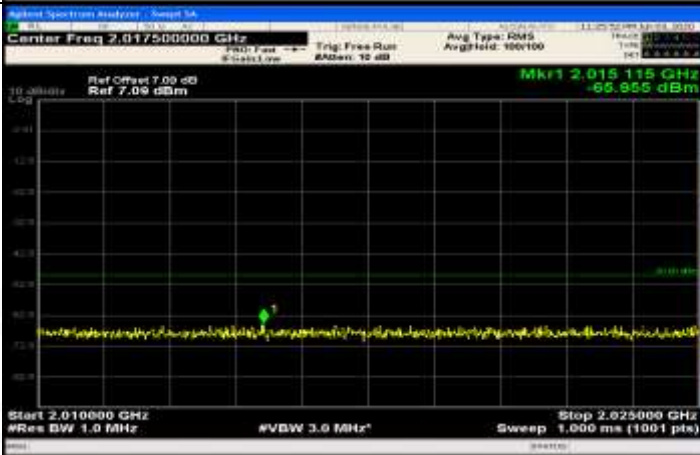
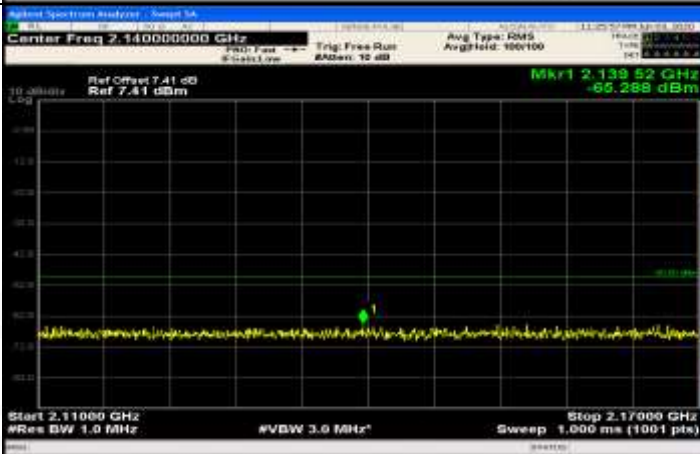
General	
General	
General	

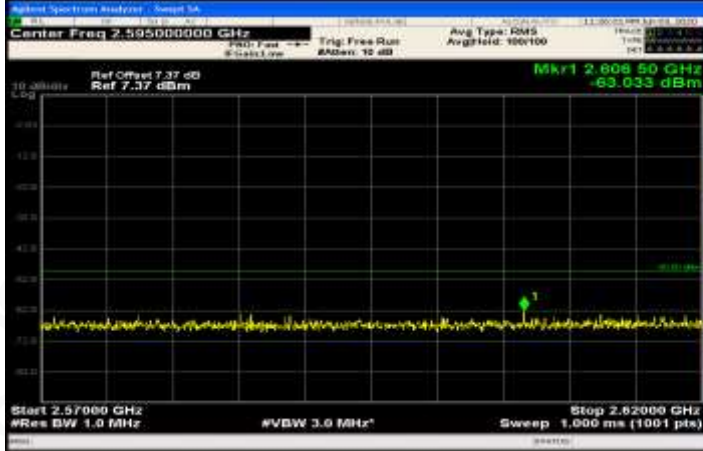
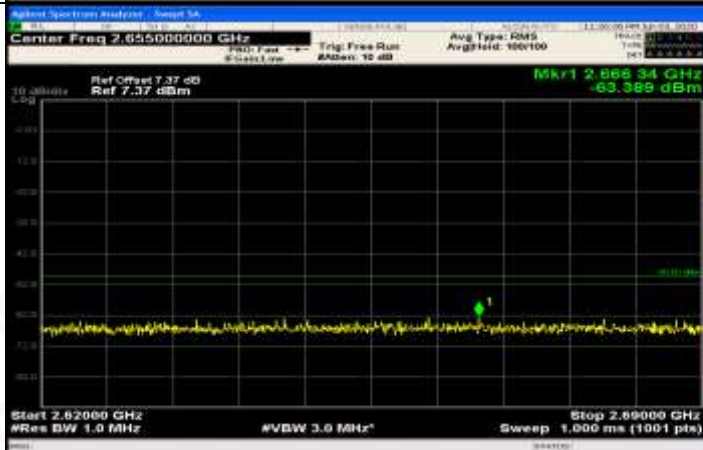
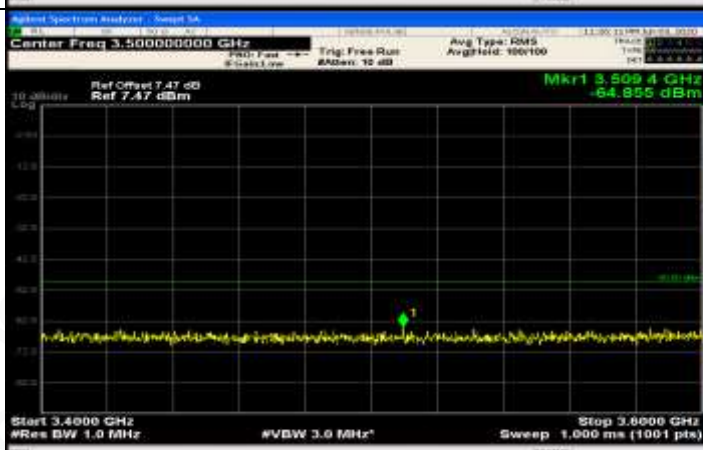


General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 1.369750000 GHz</p> <p>Ref Offset 7.50 dB Ref 27.10 dBm</p> <p>Mkr1 1.6678 GHz -46.038 dBm</p> <p>Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 1.7395 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.369750000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 1.739500000 GHz</p> <p>CF Step 73.950000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 3.405250000 GHz</p> <p>Ref Offset 7.00 dB Ref 27.00 dBm</p> <p>Mkr1 3.188 GHz -47.742 dBm</p> <p>Start 1.811 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 5.000 GHz Sweep 5.333 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.405250000 GHz</p> <p>Start Freq 1.810000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 318.350000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 8.875000000 GHz</p> <p>Ref Offset 7.67 dB Ref 17.67 dBm</p> <p>Mkr1 12.26175 GHz -57.677 dBm</p> <p>Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 5.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

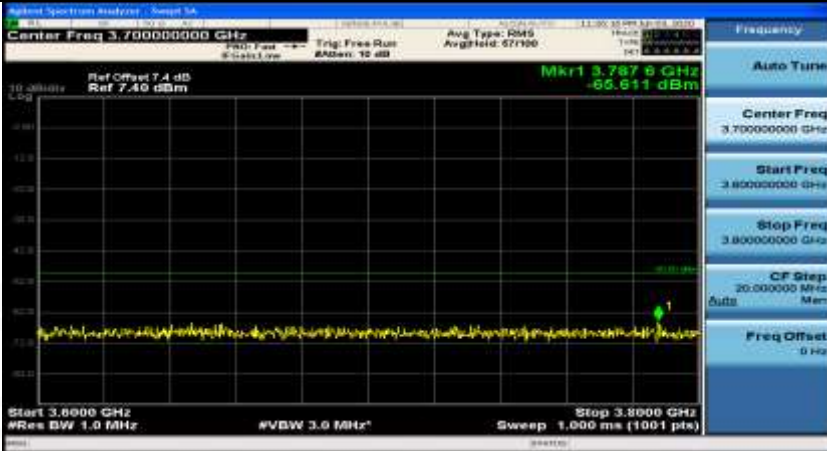


Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

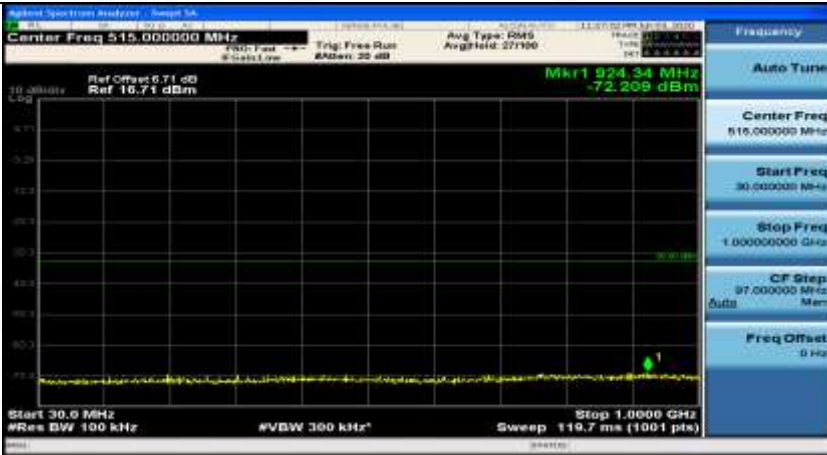


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.40000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>


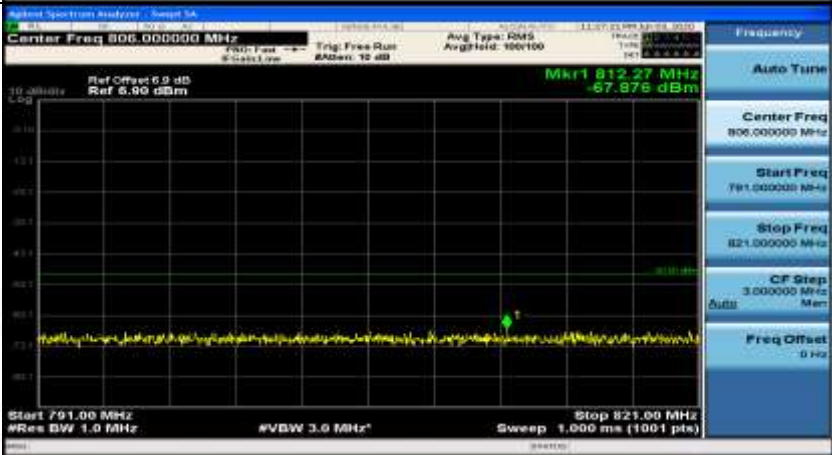



Co-existence	
Additional	NA

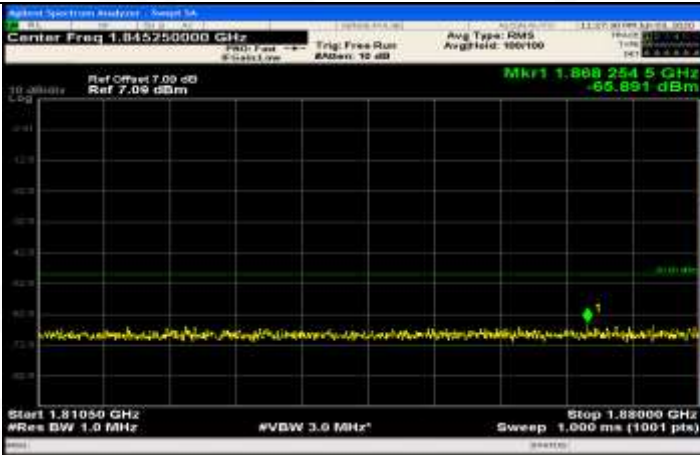
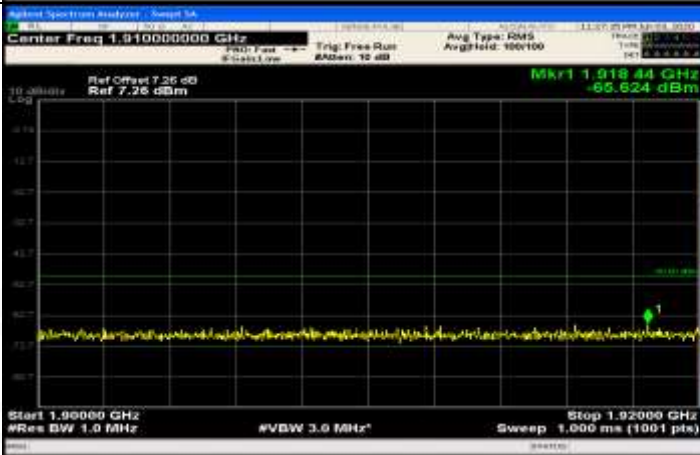
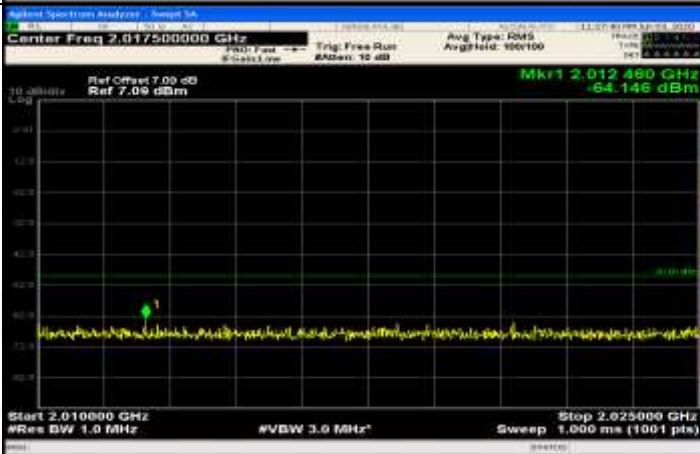
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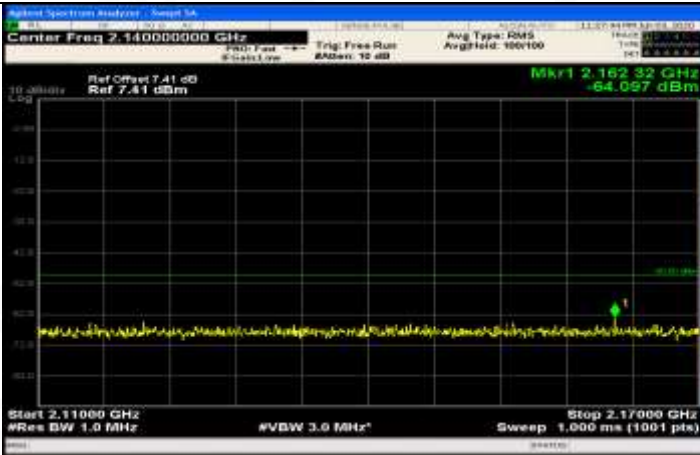
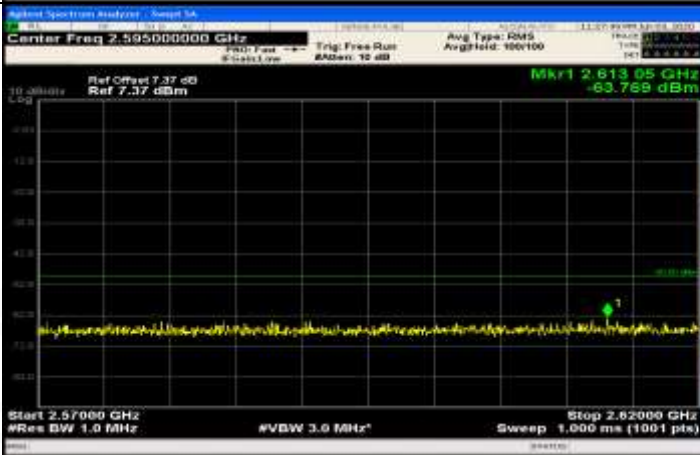
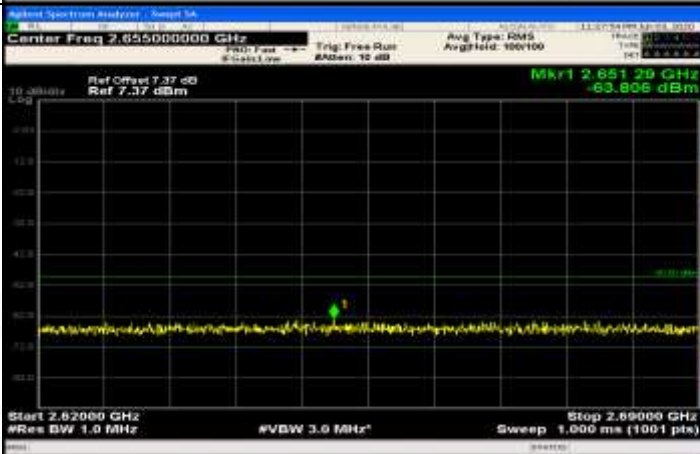
General	
General	

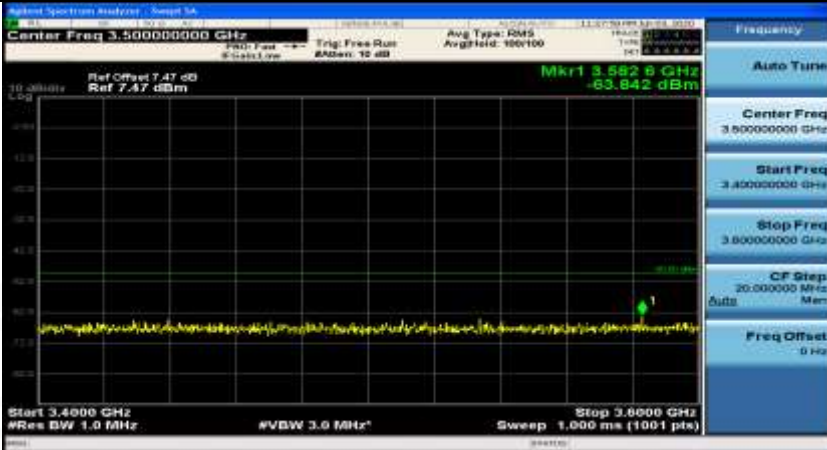
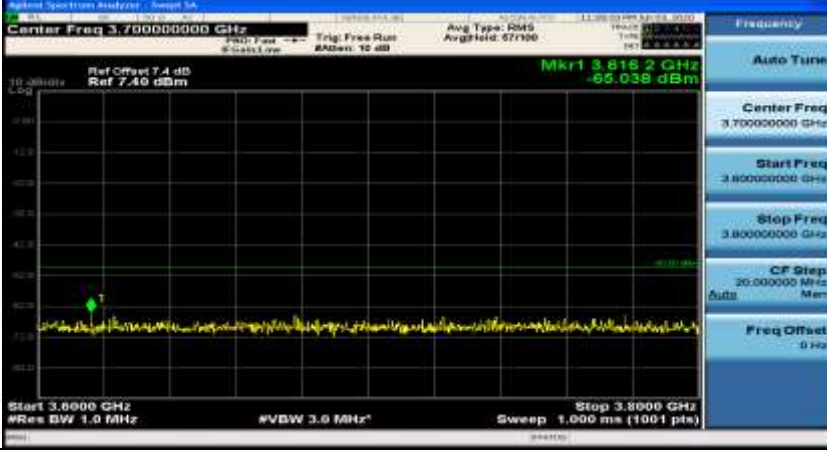
General	
General	
General	


General	
Co-existence	
Co-existence	



Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.845250000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 1.8982545 GHz -65.891 dBm Start 1.81050 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.88000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.910000000 GHz Ref Offset 7.20 dB Ref 7.20 dBm Mkr1 1.91844 GHz -65.624 dBm Start 1.90000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.92000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.012480 GHz -64.146 dBm Start 2.01000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.02500 GHz Sweep 1.000 ms (1001 pts)</p>


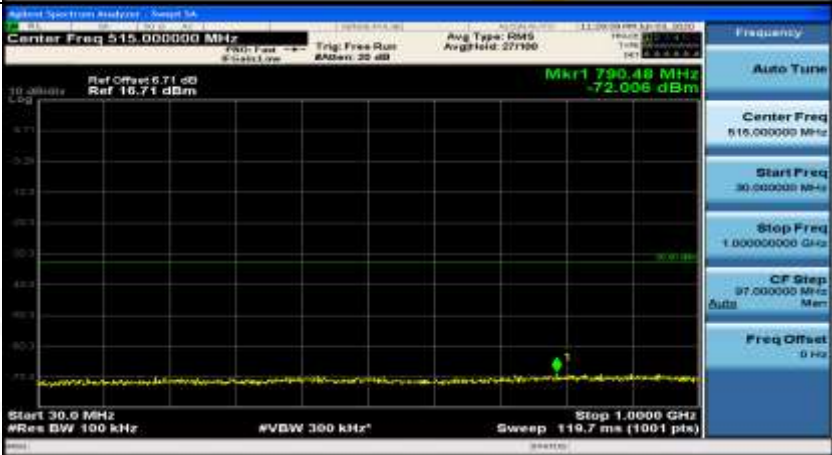
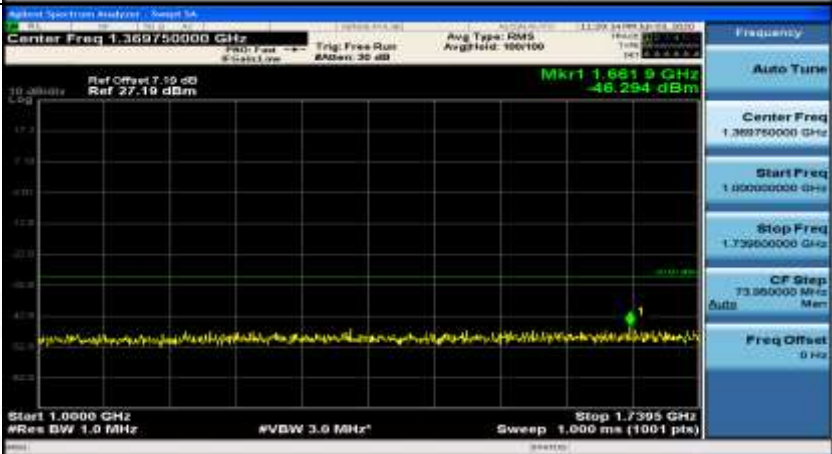
Co-existence	
Co-existence	
Co-existence	

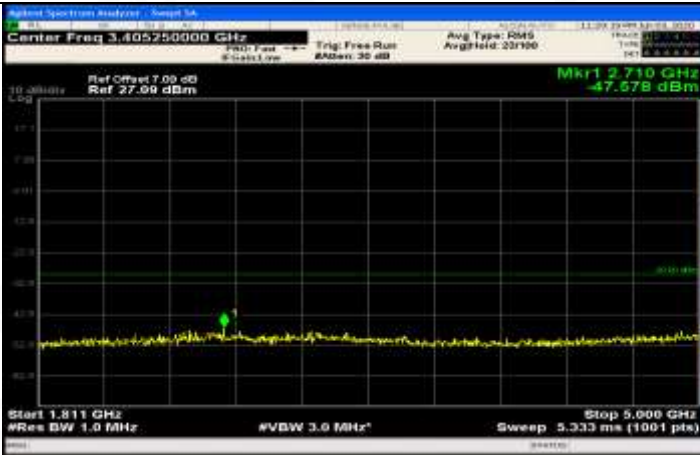

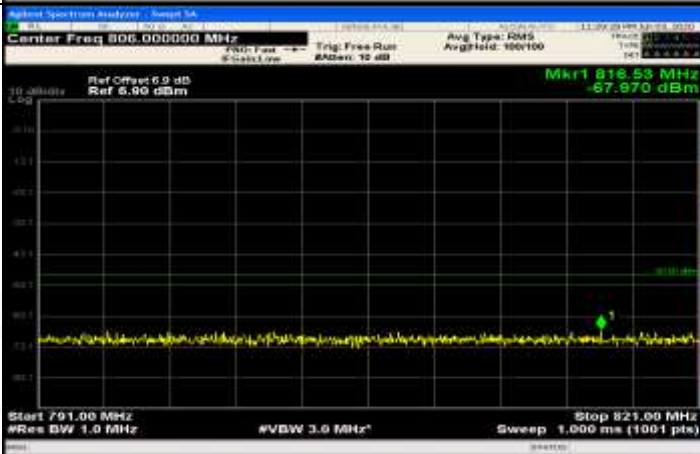
Co-existence	
Co-existence	
Additional	NA

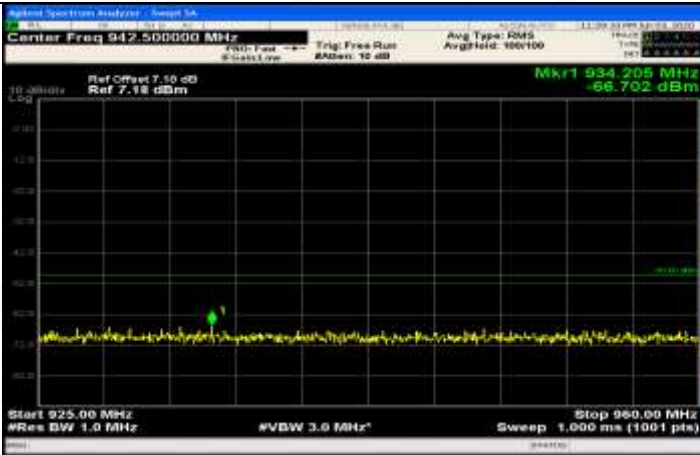
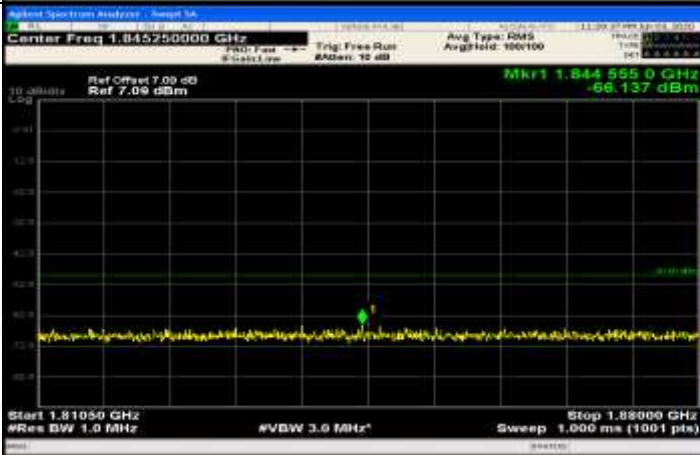
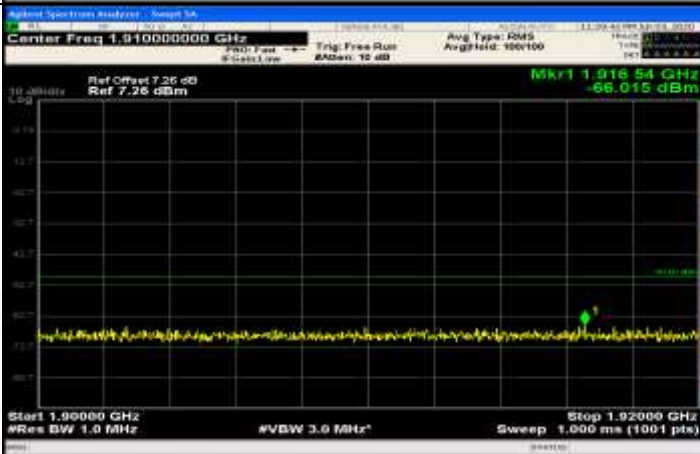
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	



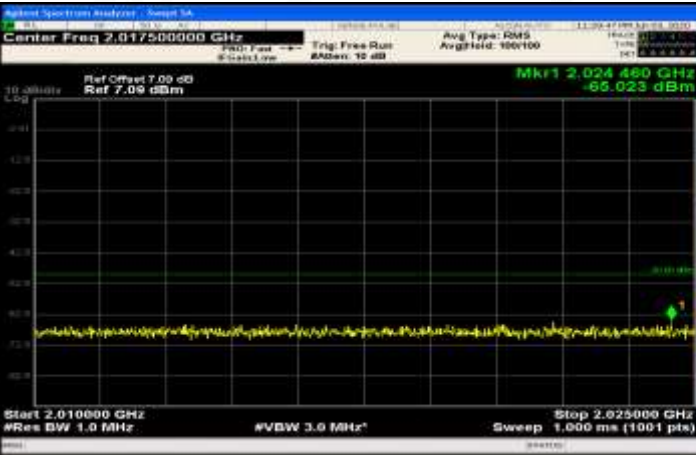
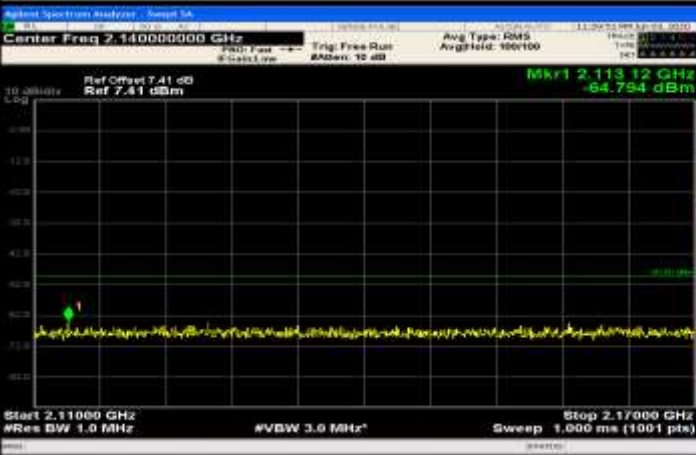
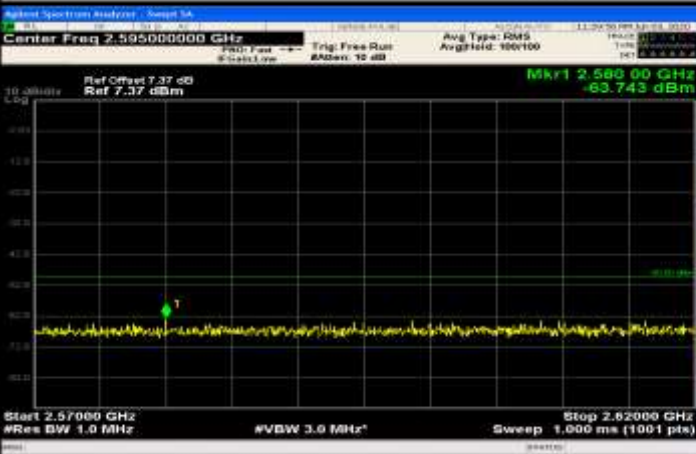


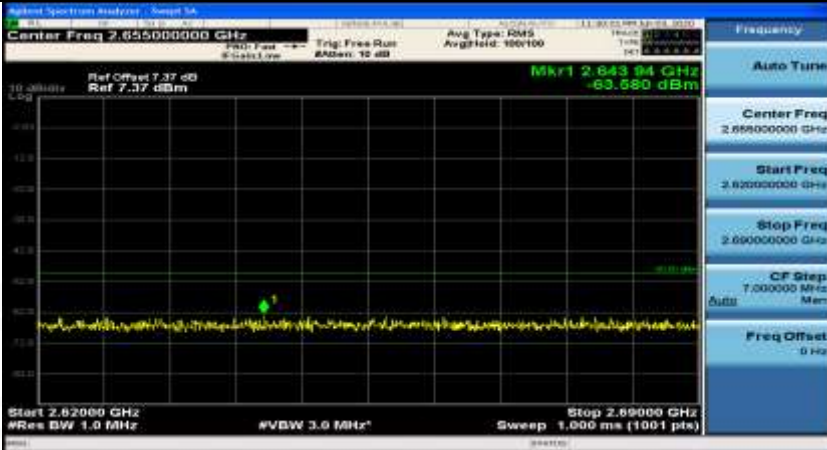
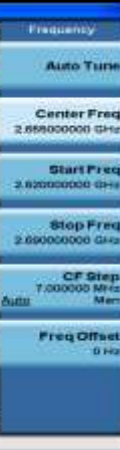

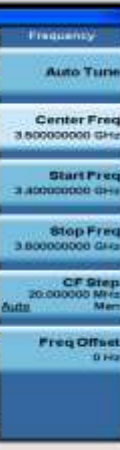
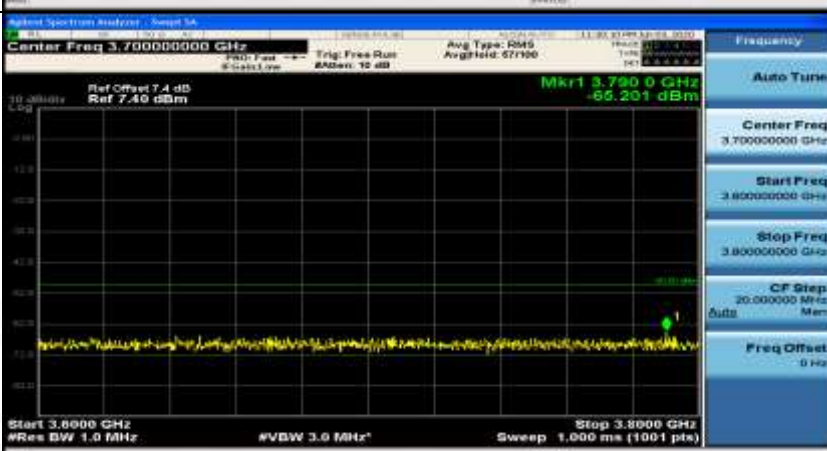

General	
General	
General	

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.405250000 GHz Ref Offset 7.00 dB Ref 27.98 dBm Mkr1 2.710 GHz -47.678 dBm Start 1.811 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.333 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 3.405250000 GHz Start Freq 1.810000000 GHz Stop Freq 5.000000000 GHz CF Step 318.3600000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 17.67 dBm Mkr1 12.880 25 GHz -67.954 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 8.875000000 GHz Start Freq 5.000000000 GHz Stop Freq 12.750000000 GHz CF Step 775.0000000 MHz Auto Mem Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 818.53 MHz -67.970 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 821.00 MHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 806.000000 MHz Start Freq 791.000000 MHz Stop Freq 821.000000 MHz CF Step 3.000000 MHz Auto Mem Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 895.000000 MHz</p> <p>Stop Freq 990.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.845250000 GHz</p> <p>Start Freq 1.810000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 6.350000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.890000000 GHz</p> <p>Stop Freq 1.930000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>



Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		
Co-existence		
Co-existence		
Additional	NA	



## 6. Receiver Spurious Emissions

### Test Result

NTNV



Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_0RB#0	
LCH	
LCH	



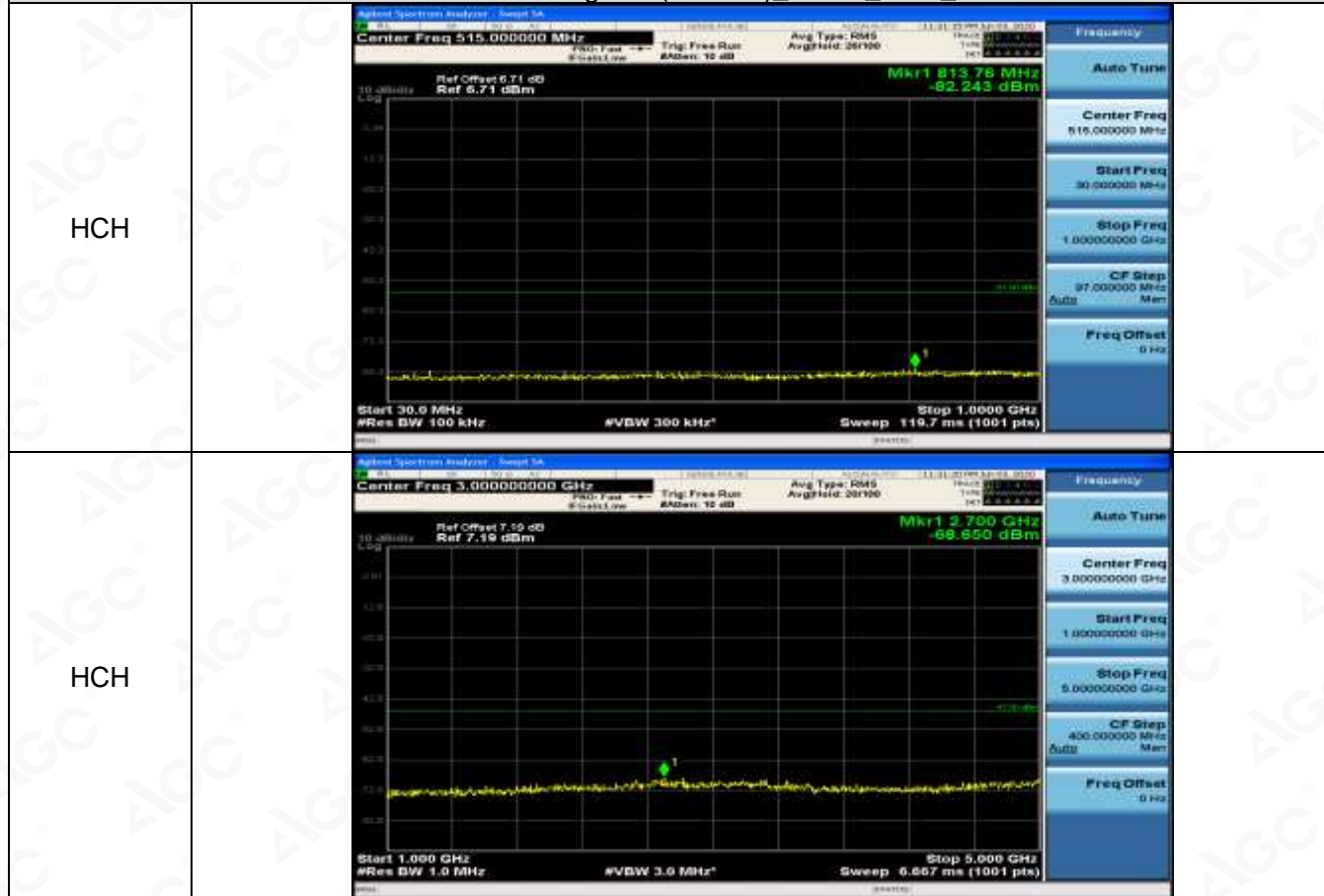


Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_0RB#0





Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_ORB#0







## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				





## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 3			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	Pass					



## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 3 LTLV) of fellow LTLV

	Test Band			Band 3			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TL,VL	5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
	Verdict	Pass					





## 12. Radiated spurious emissions - MS in idle mode

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-69.53	-69.48	-69.74
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-68.63	-68.57	-68.69
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.24	-71.33	-71.27



## Appendix C for Band 7

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 TNVN) of fellow:

#### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	24.00	Pass
					max	23.60	Pass
				Partial	0	23.74	Pass
					max	23.39	Pass
			Mid range	1	0	23.59	Pass
					max	23.42	Pass
				Partial	0	23.38	Pass
					max	23.20	Pass
			High range	1	0	23.21	Pass
					max	22.99	Pass
				Partial	0	22.97	Pass
					max	22.72	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.51	Pass
					max	23.47	Pass
				Partial	0	23.34	Pass
					max	23.43	Pass
			Mid range	1	0	23.58	Pass
					max	22.84	Pass
				Partial	0	23.55	Pass
					max	22.75	Pass
			High range	1	0	23.26	Pass
					max	22.32	Pass
				Partial	0	23.41	Pass
					max	22.56	Pass



## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 TNVN) of fellow:

### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-46.04	Pass
			Mid range	Full	0	-52.01	Pass
			High range	Full	0	-51.85	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20MHz	Low range	Full	0	-51.09	Pass
			Mid range	Full	0	-51.32	Pass
			High range	Full	0	-50.98	Pass





### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass



					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass


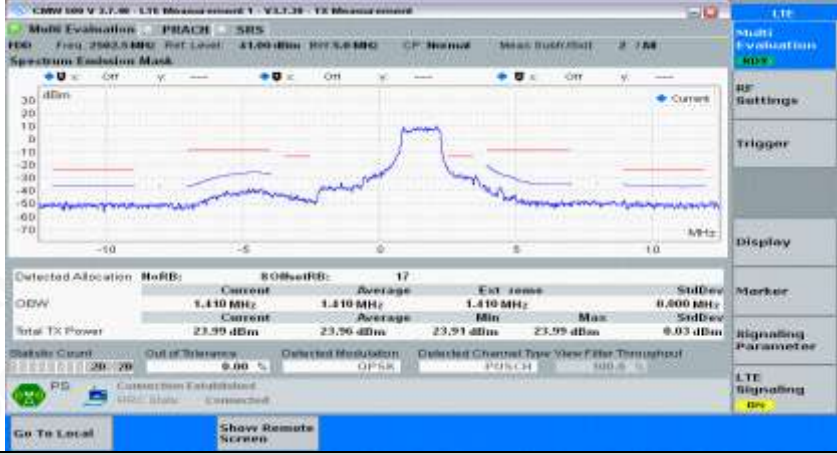
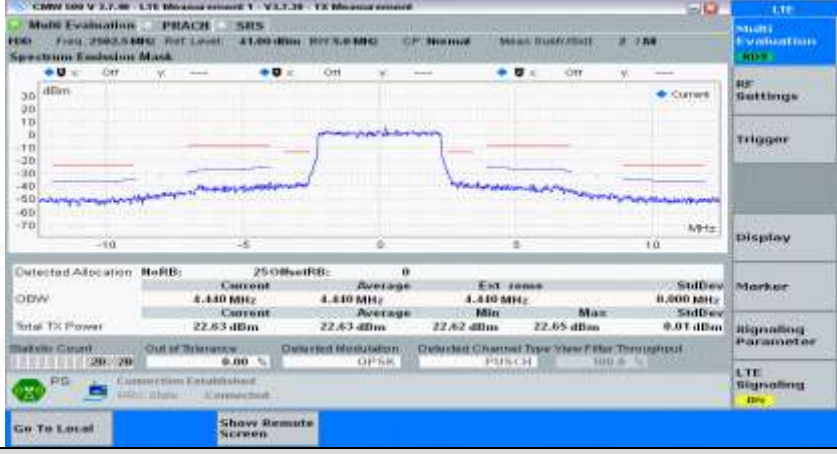
### Test Graphs

NTNV

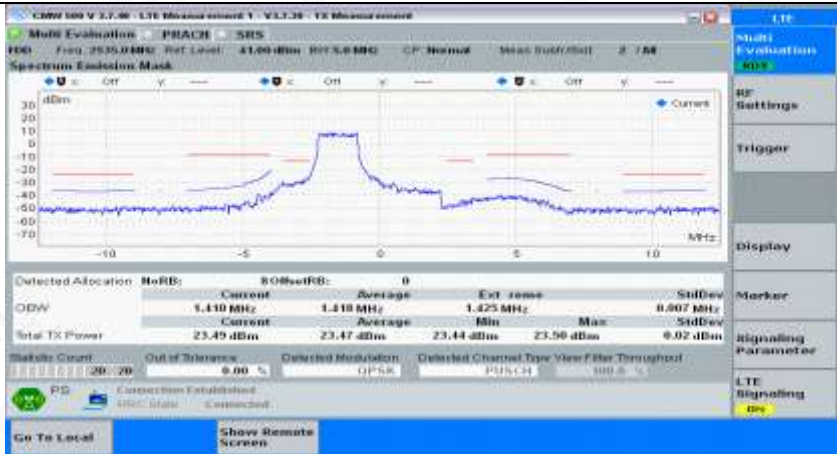
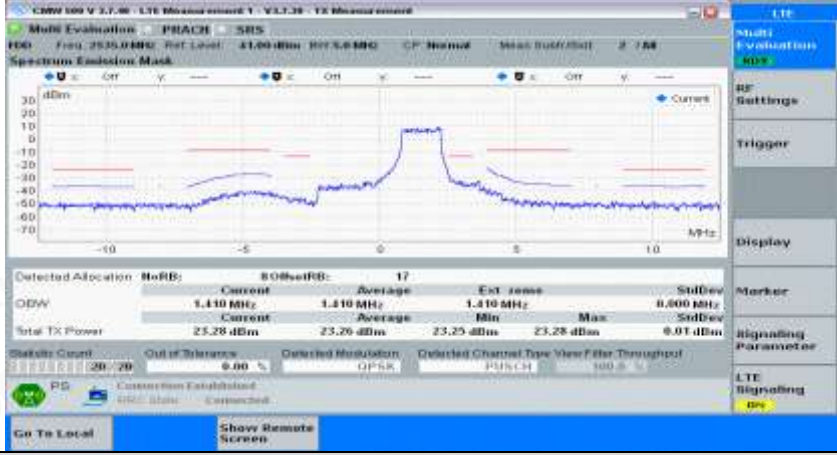

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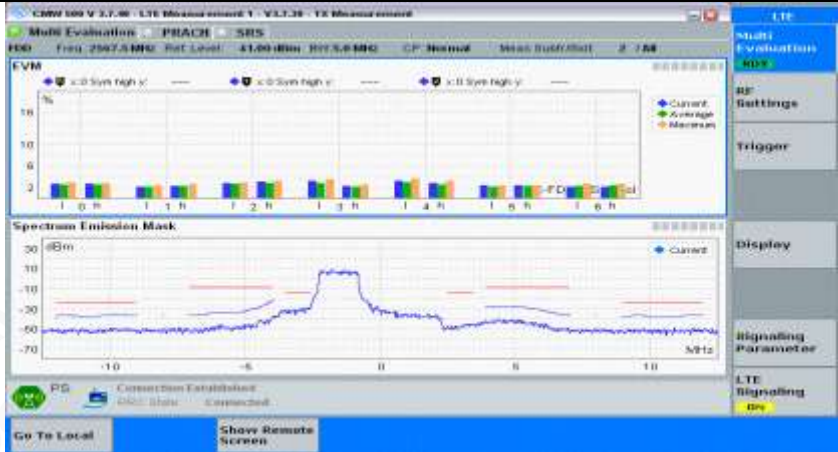
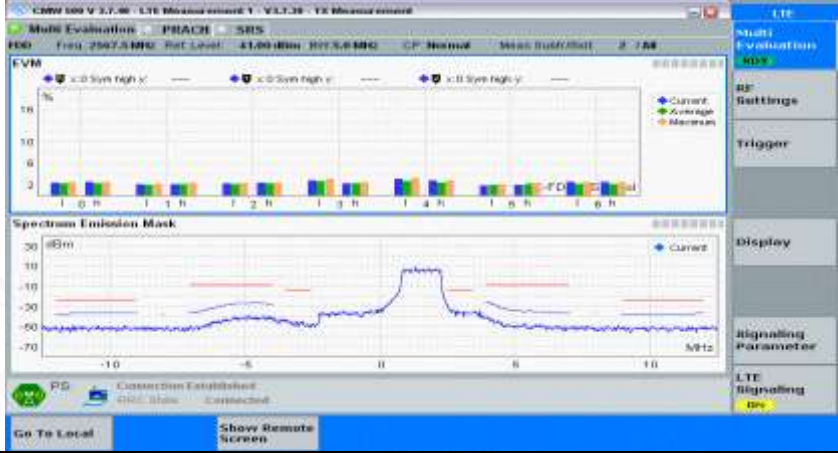
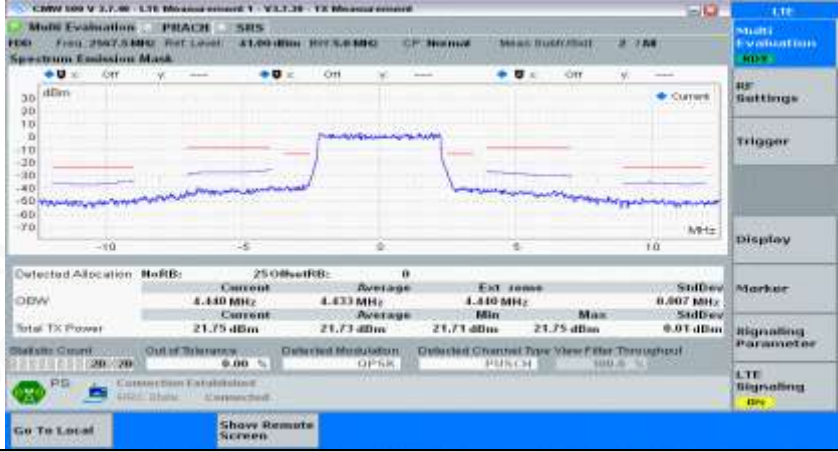
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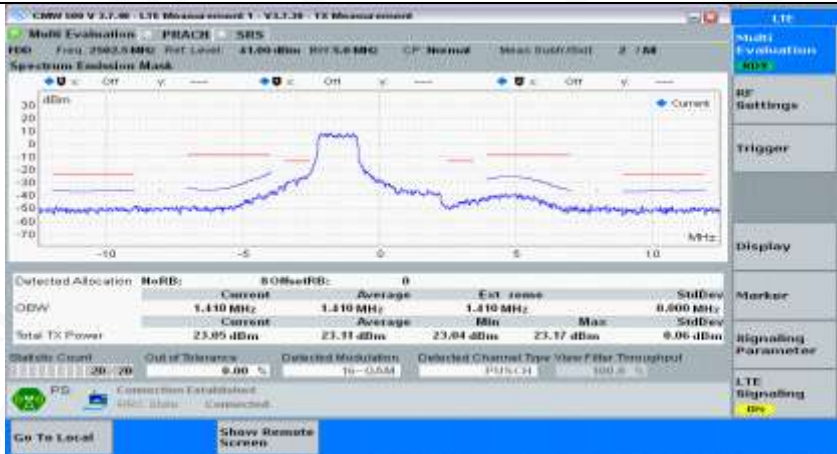
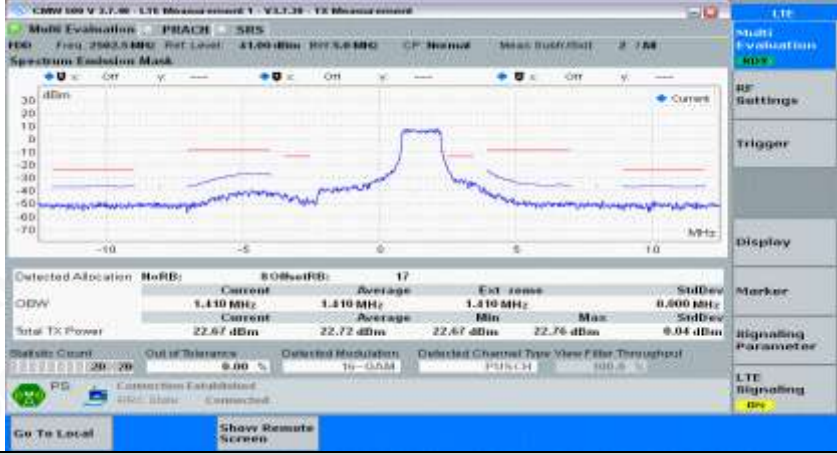
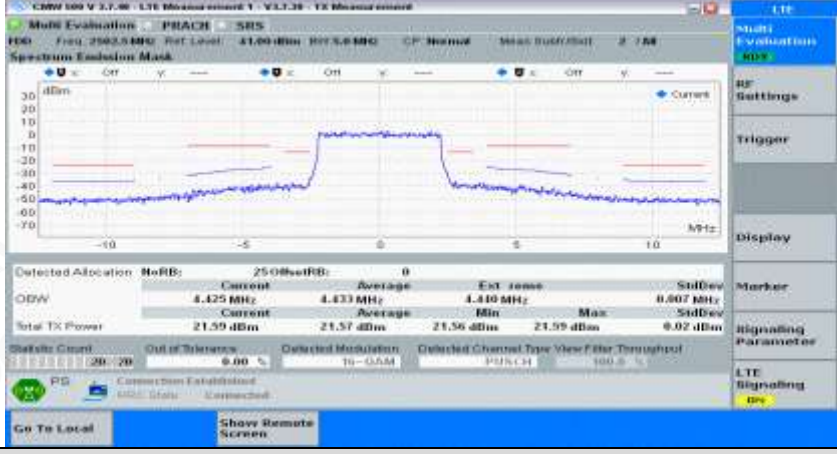
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	



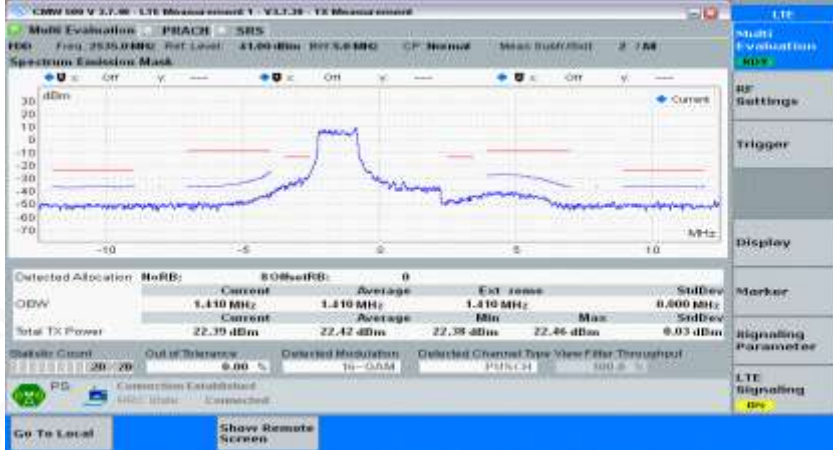
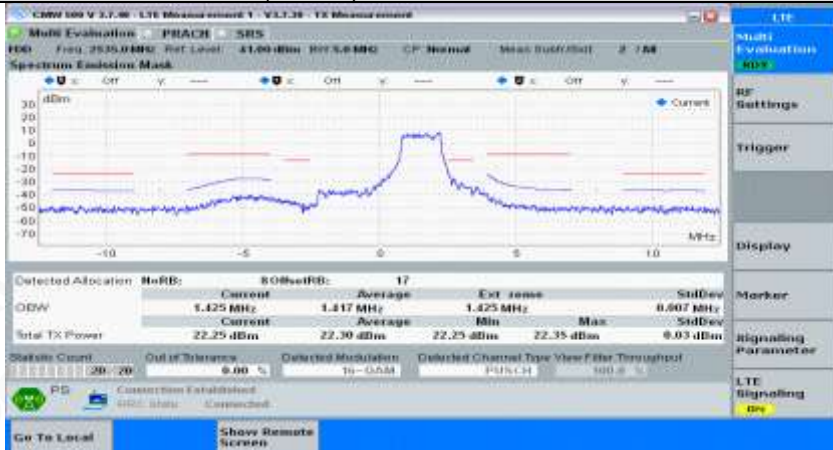

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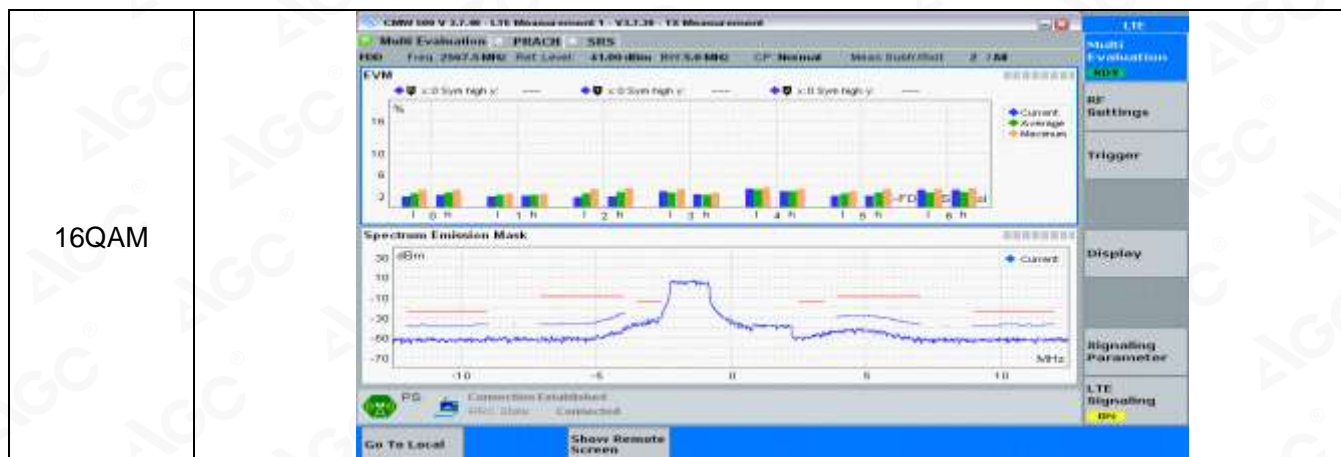
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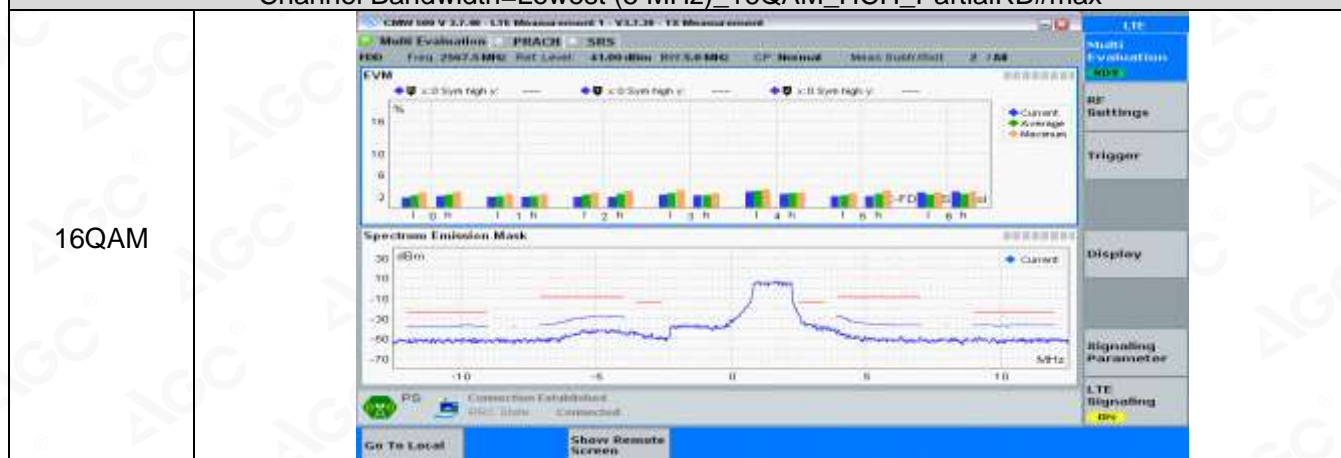
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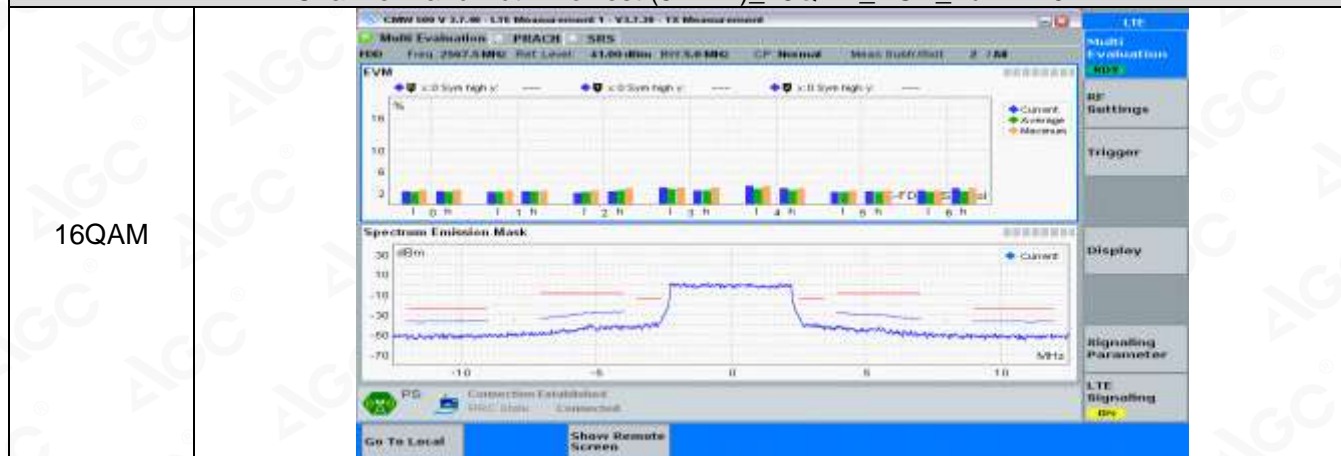
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	



Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max



Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0

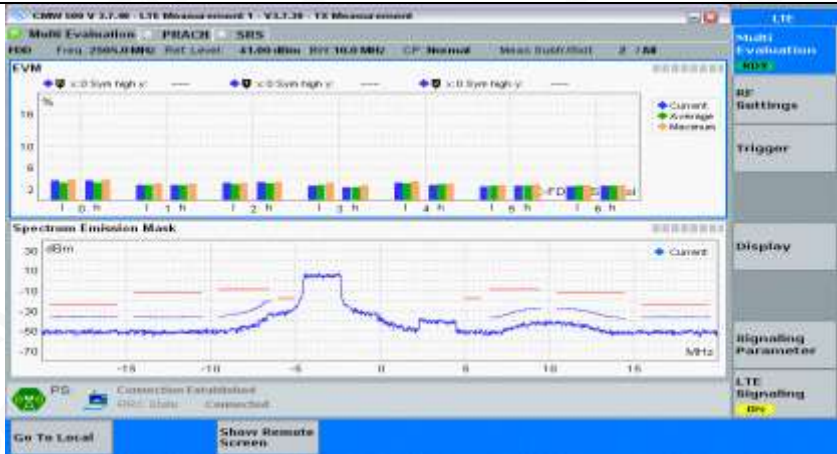
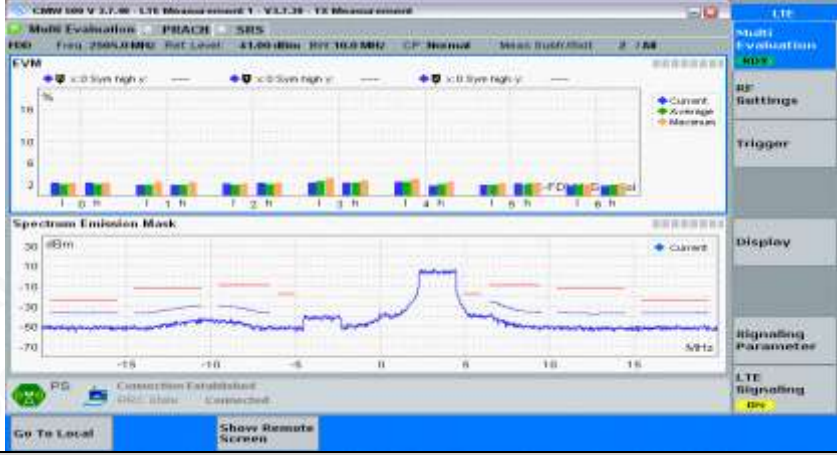
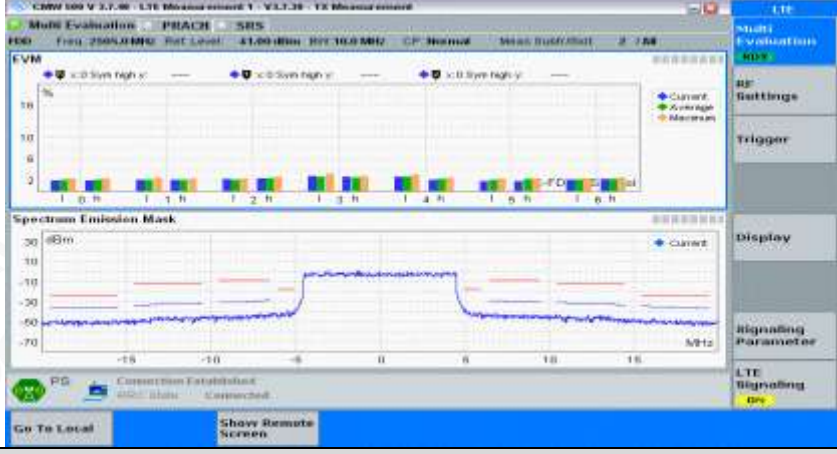


Channel Bandwidth= (10 MHz)


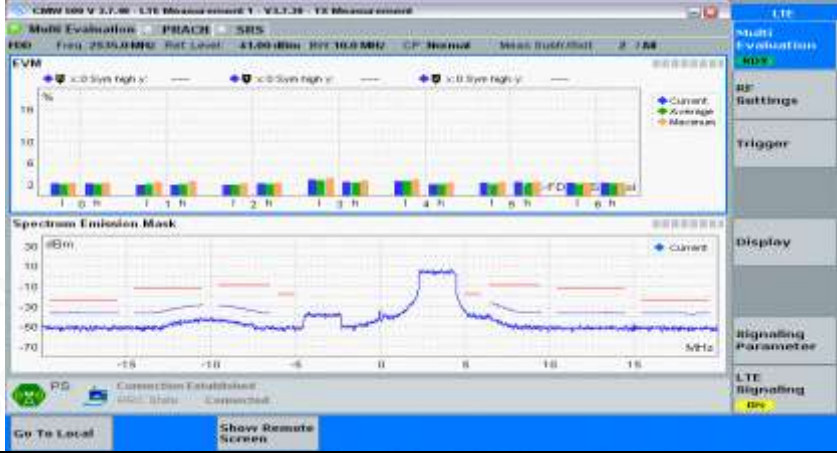
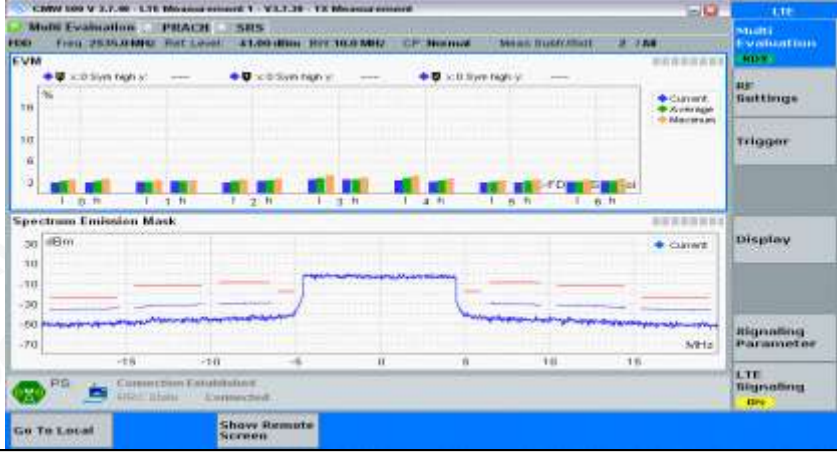
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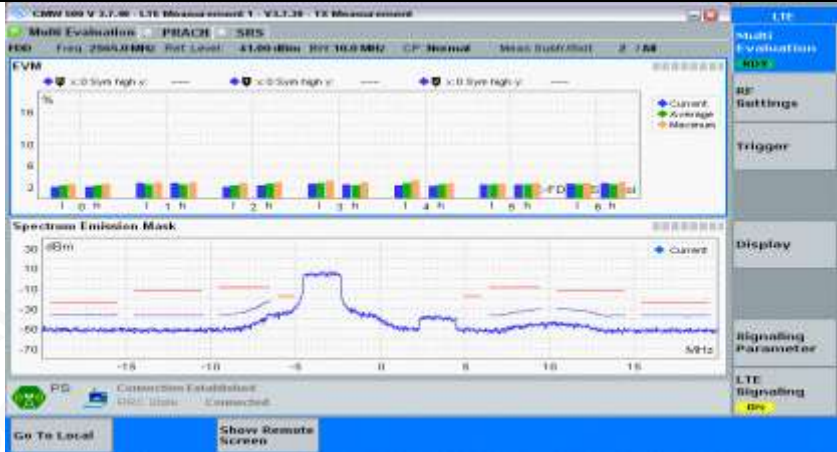
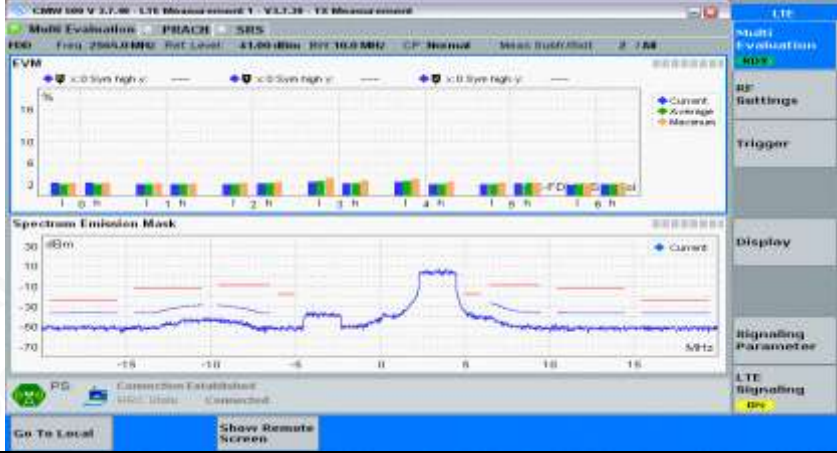
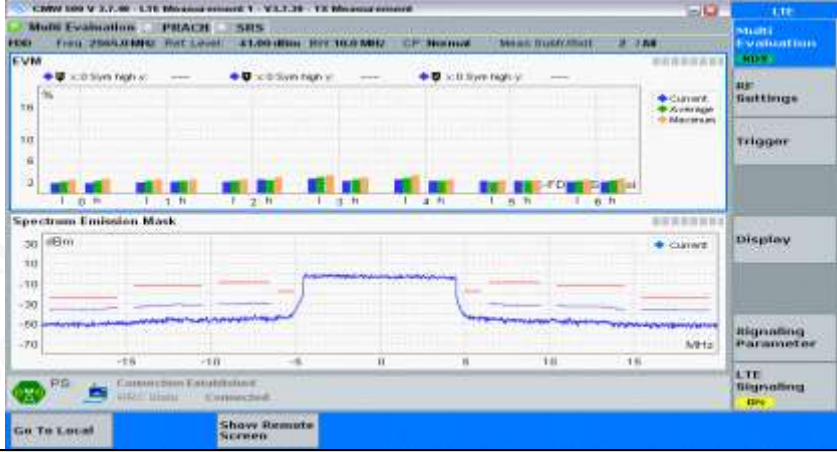





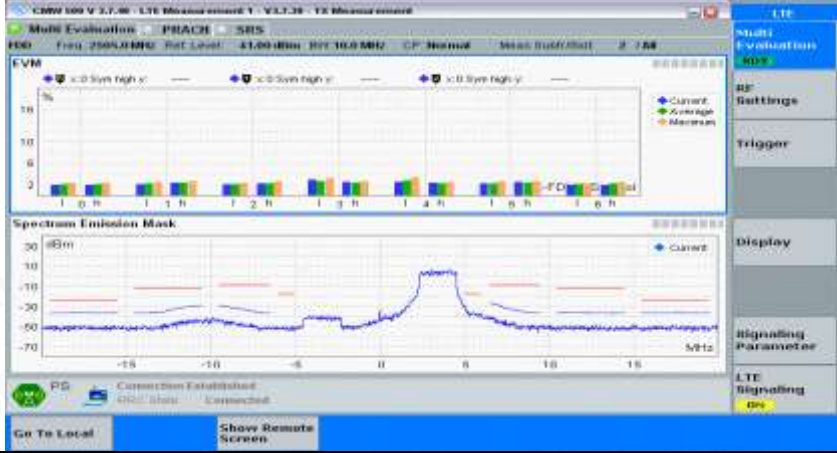
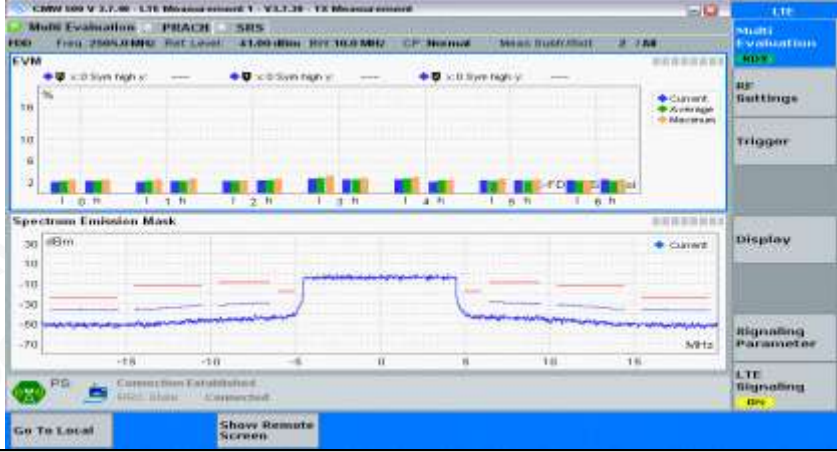
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QPSK	
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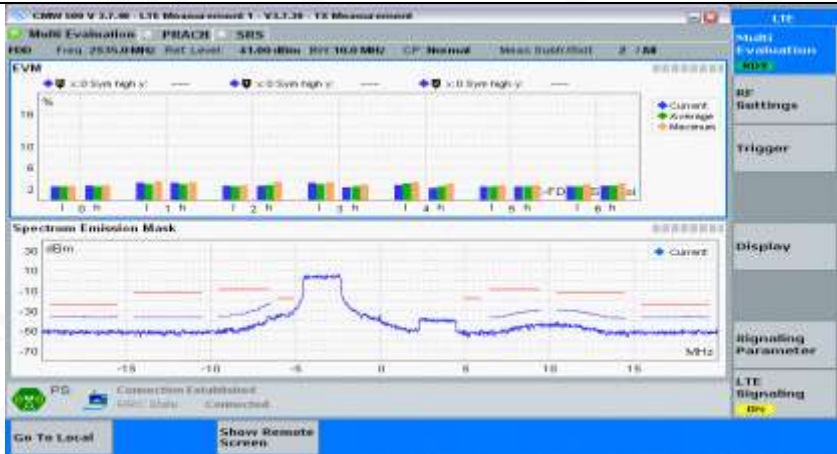
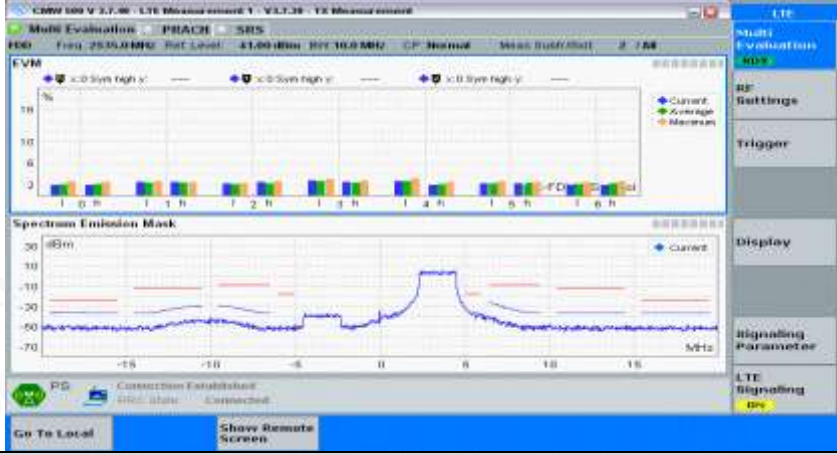

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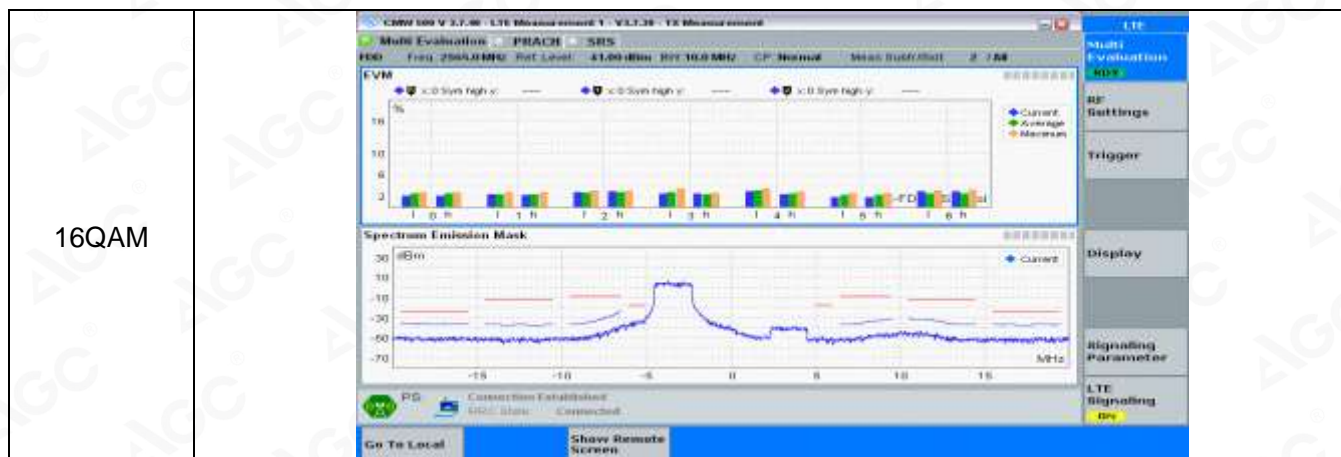
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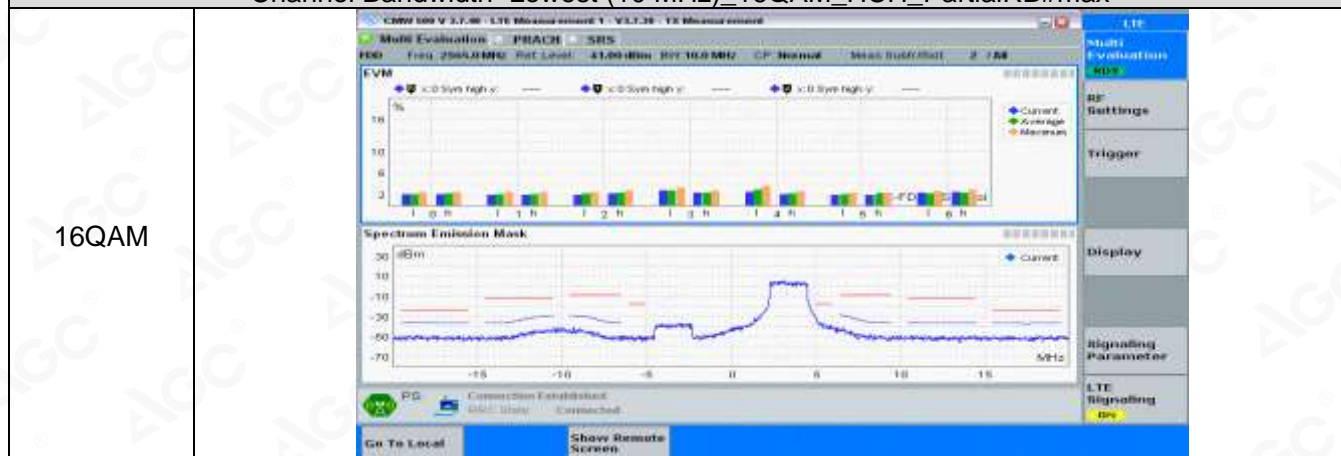
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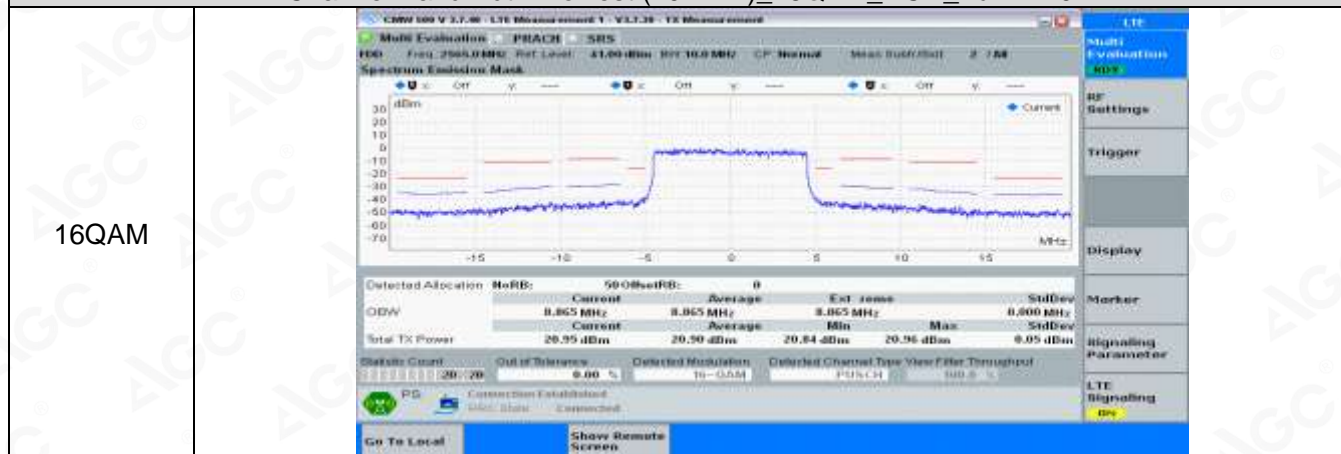
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Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_PartialRB#max



Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0

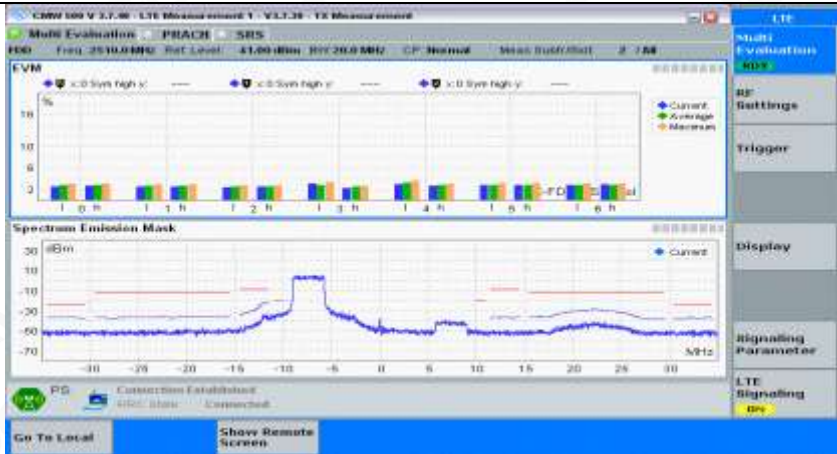
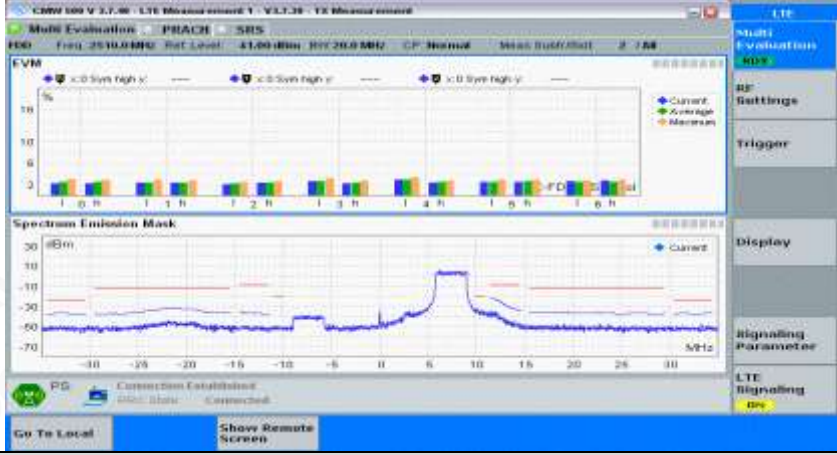
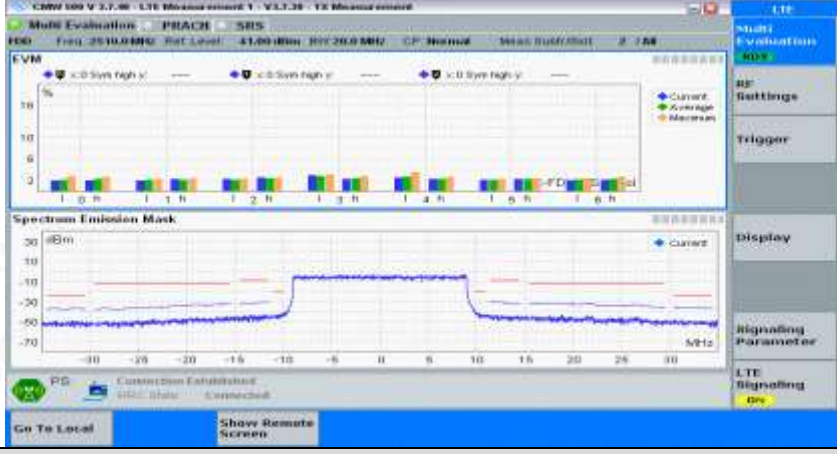


Channel Bandwidth=Highest (20 MHz)

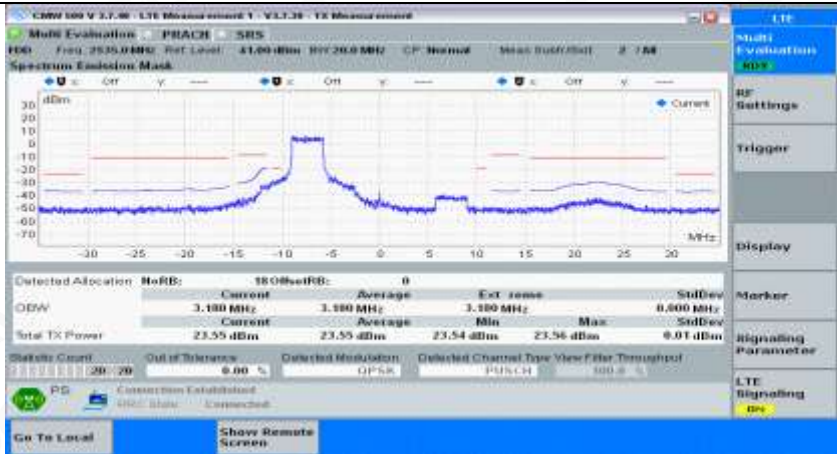
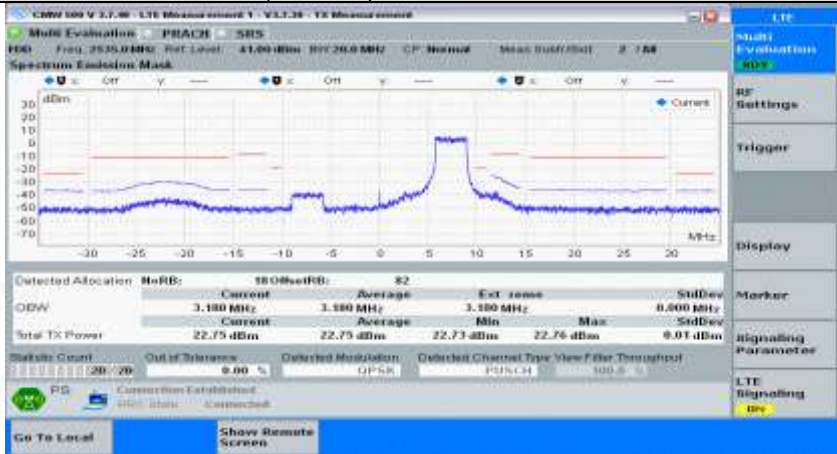
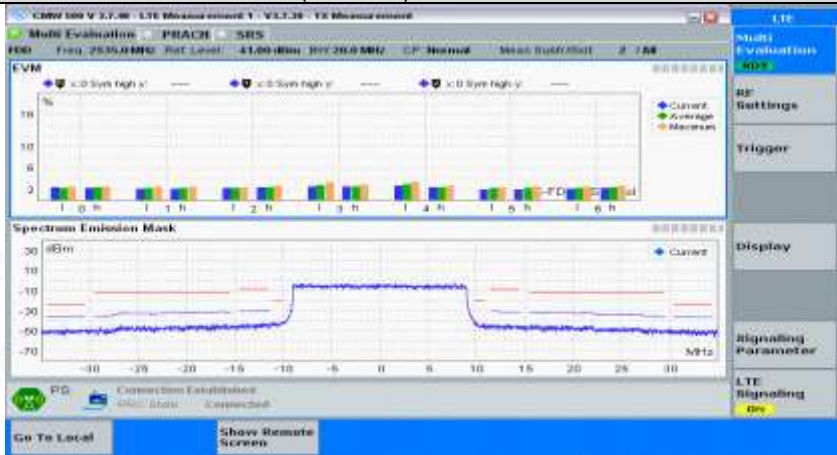
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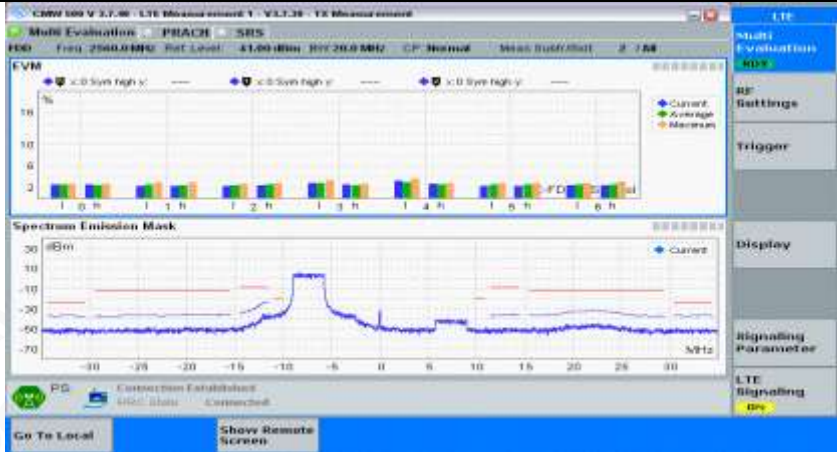
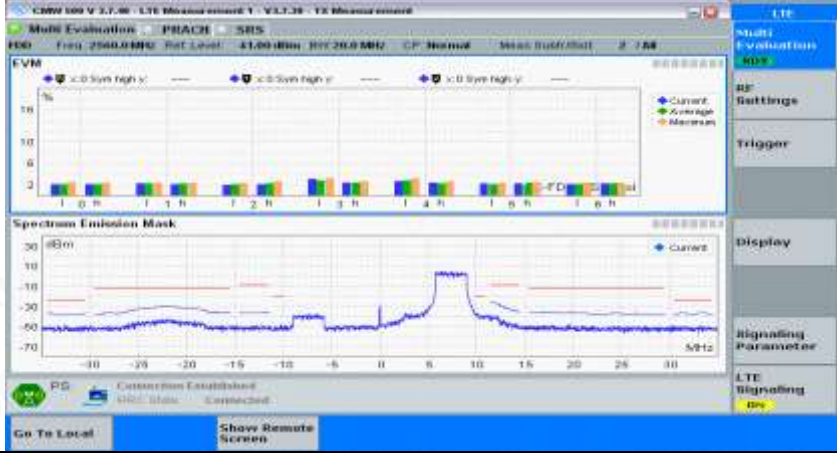
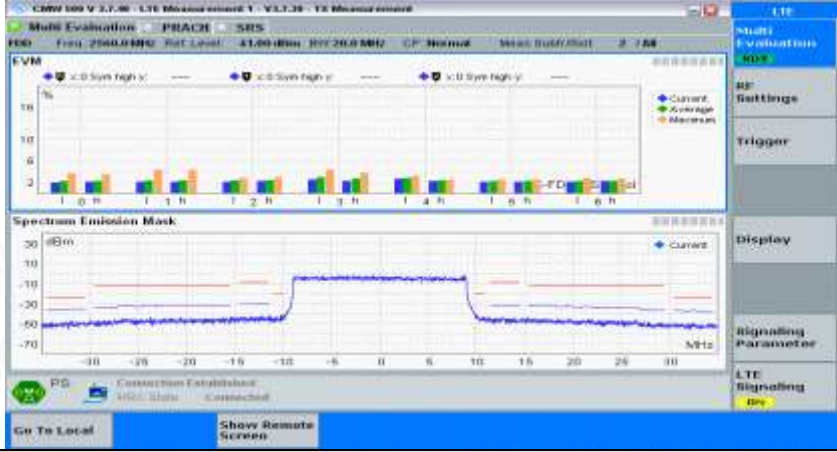




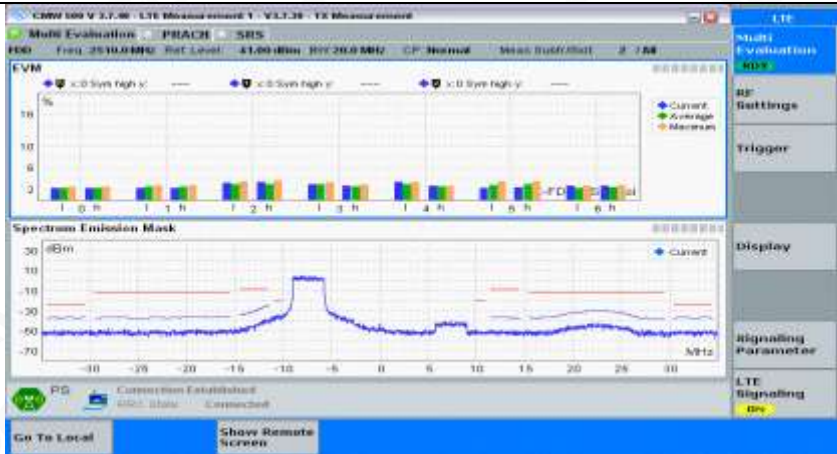
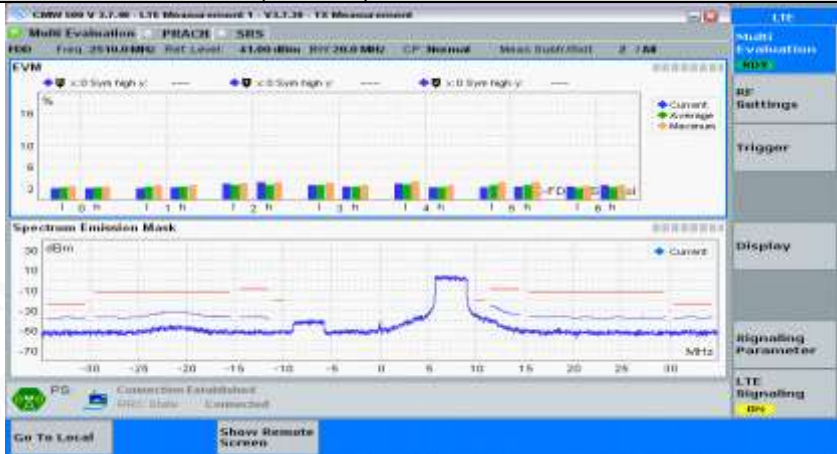
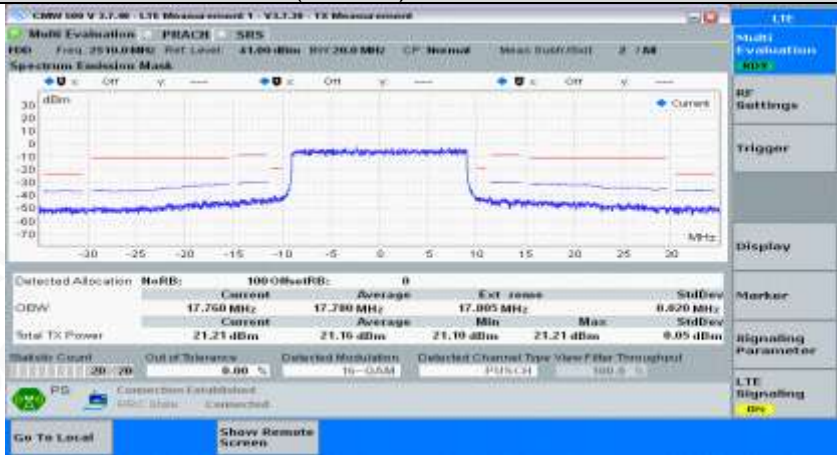
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Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	



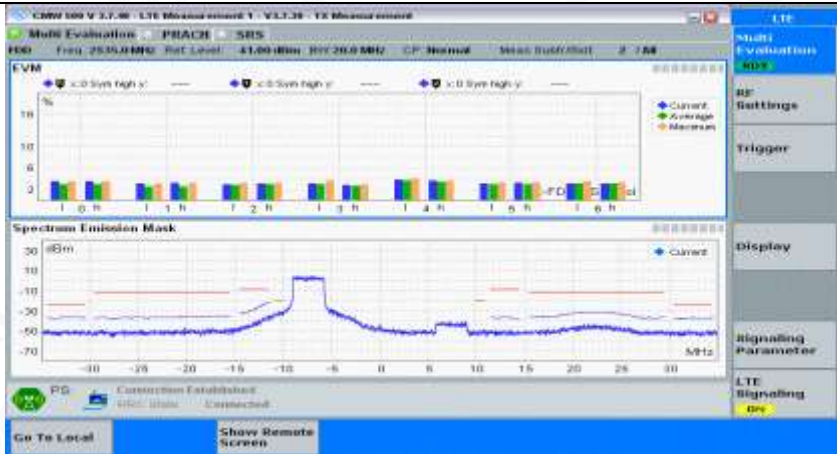
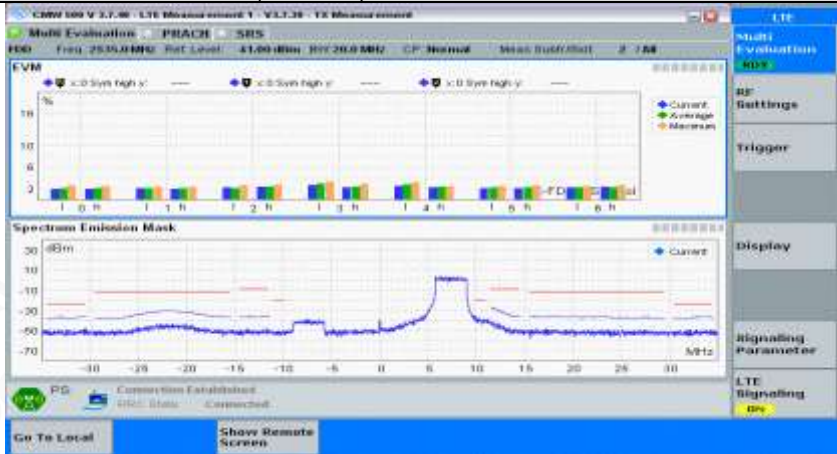
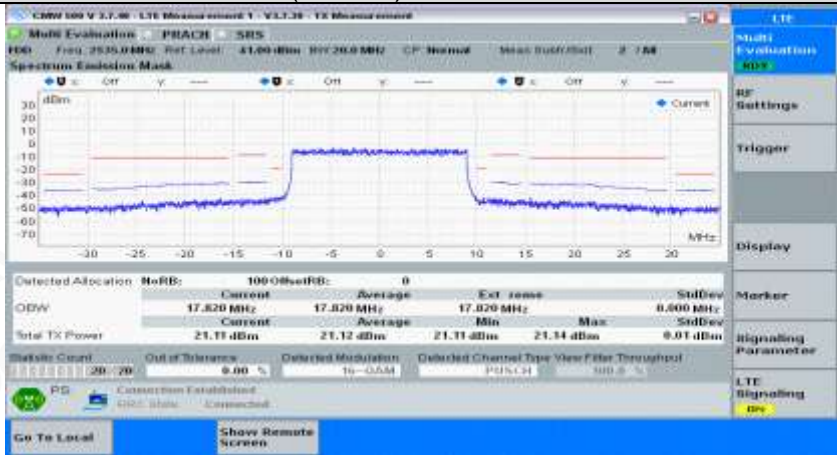
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

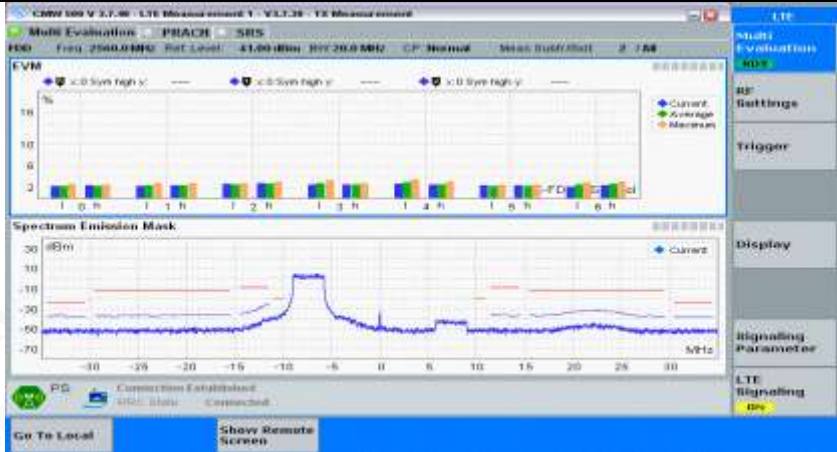
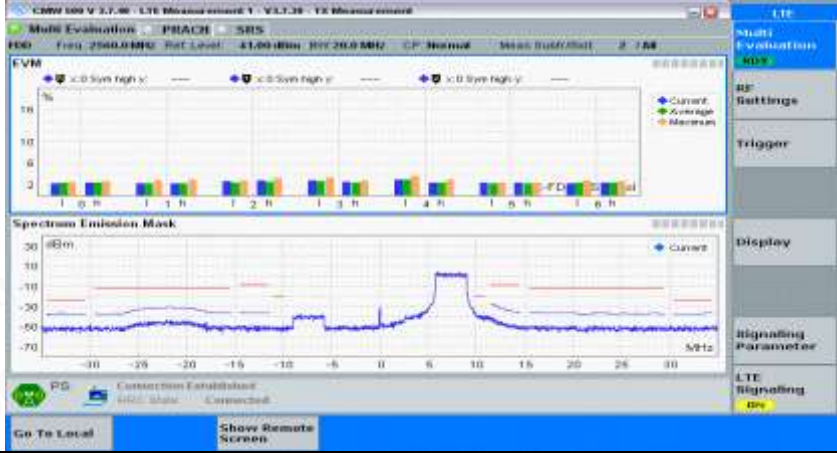
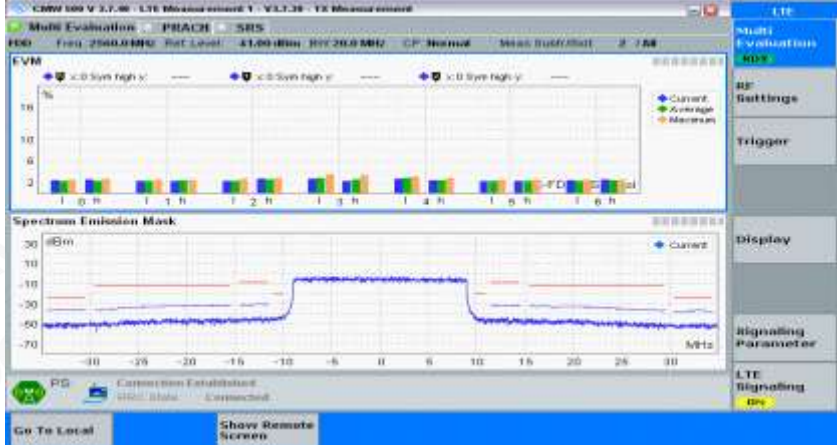
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0	
16QAM	

#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass





				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs

NTNV

### Channel Bandwidth=Lowest (5 MHz)




Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0




QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	











QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	



16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>


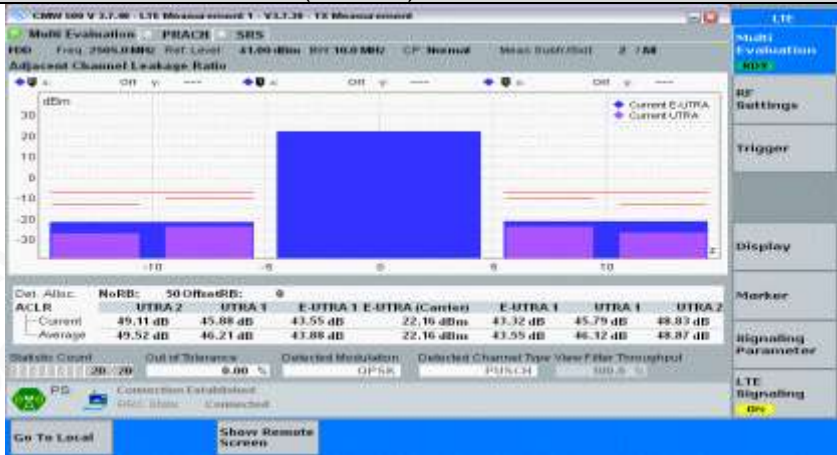


16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0</p>
16QAM	


Channel Bandwidth= (10 MHz)

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0





QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	





QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>






QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	





16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0</p>



Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0








QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>



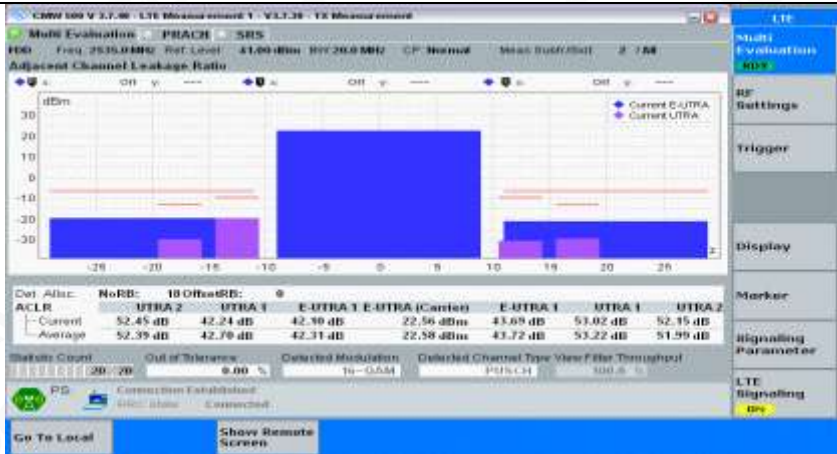


QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>






QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0</p>
16QAM	

## 5. Transmitter Spurious Emissions

### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



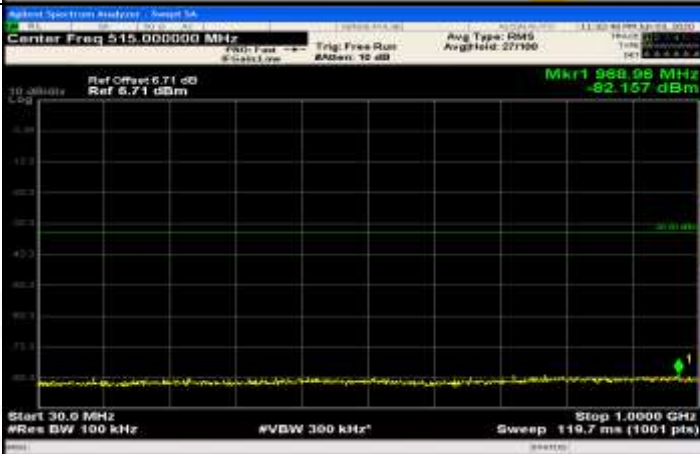
### Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

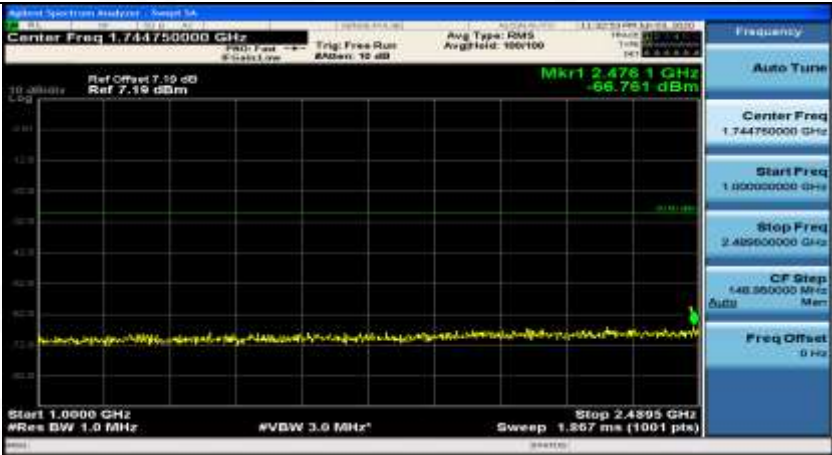


Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_1RB#0

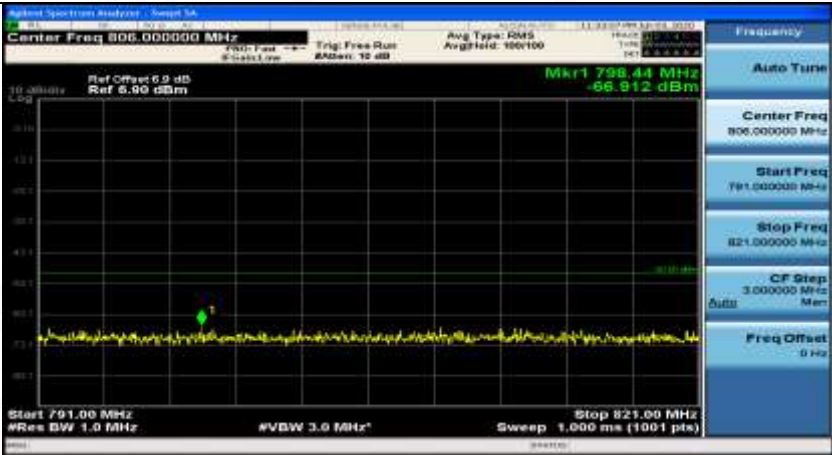

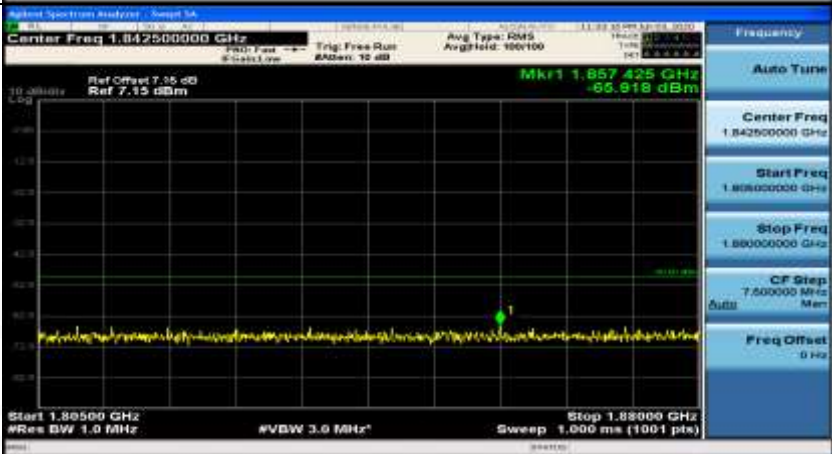


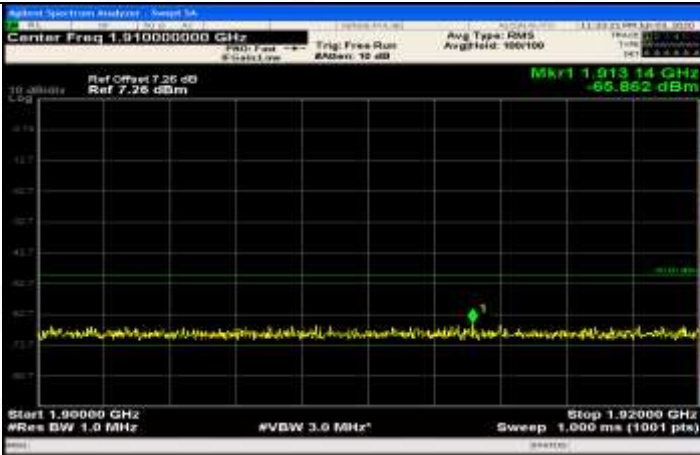
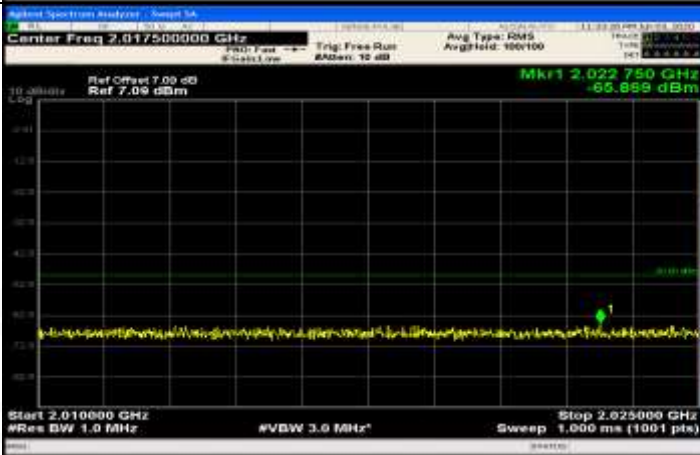
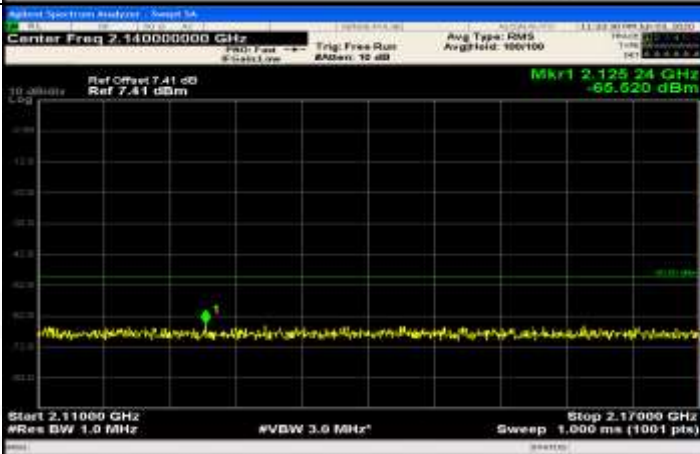
General	
General	
General	




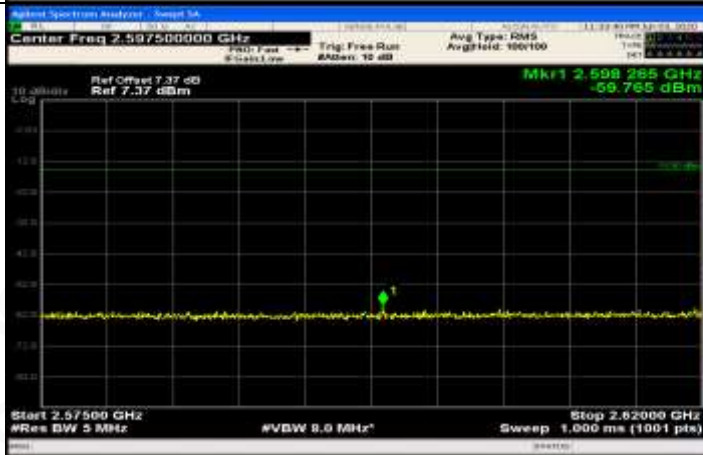
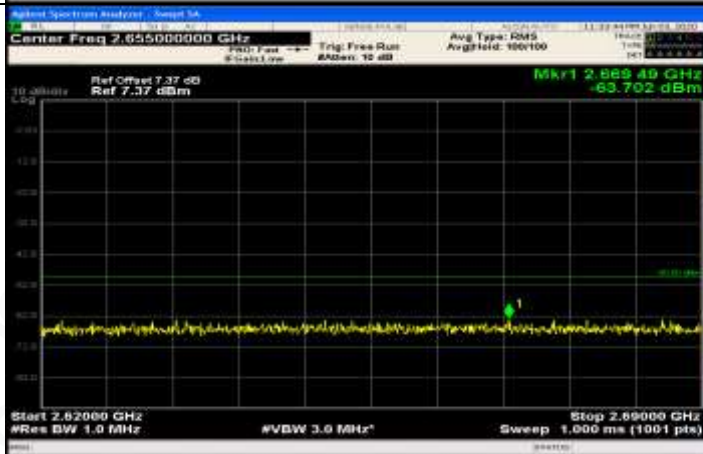


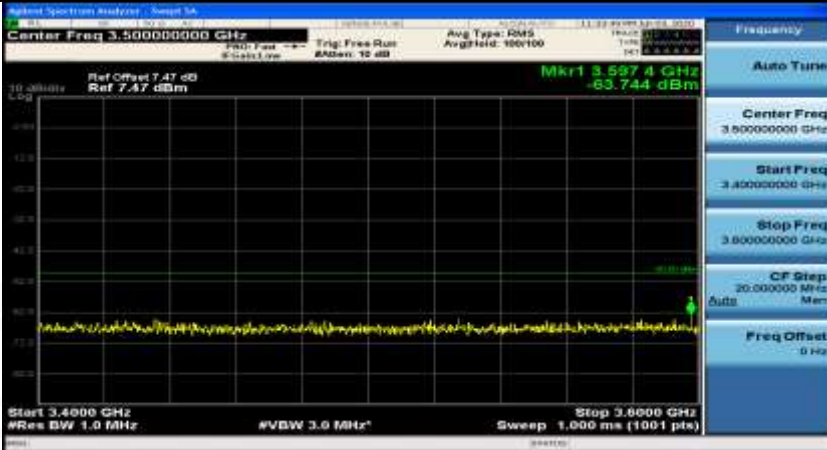
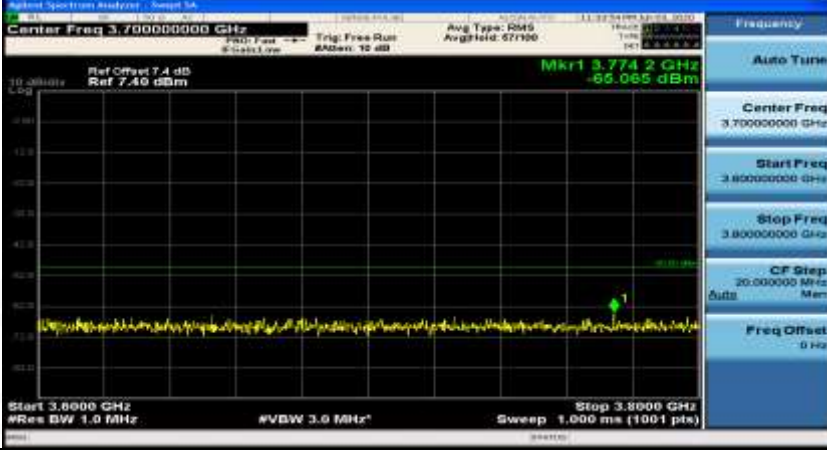
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.744750000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 2.4761 GHz -66.751 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.4895 GHz Sweep 1.567 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.757750000 GHz Ref Offset 7.11 dB Ref 7.11 dBm Mkr1 4.9304 GHz -67.163 dBm Start 2.518 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 4.200 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.21525 GHz -67.709 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>

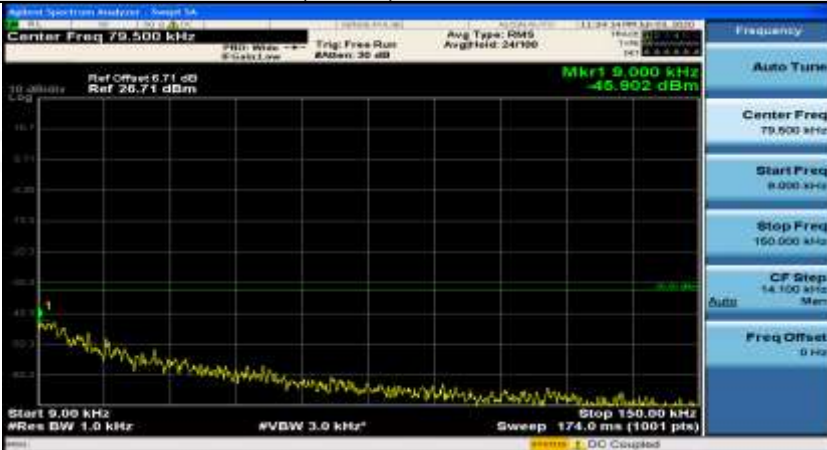
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


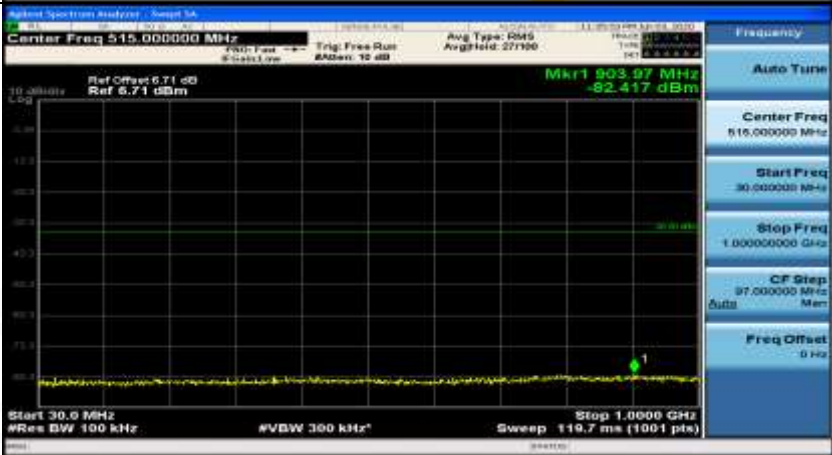
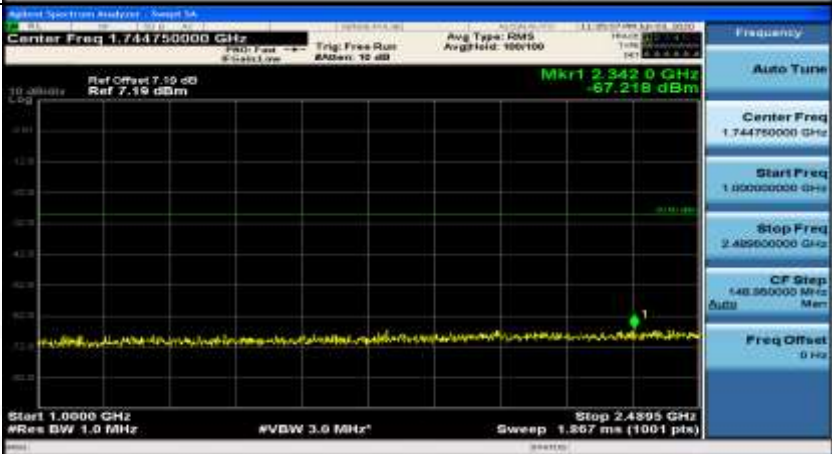


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.572500000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.575000000 GHz</p> <p>CF Step 500.000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.597500000 GHz</p> <p>Start Freq 2.595000000 GHz</p> <p>Stop Freq 2.600000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.685000000 GHz</p> <p>Start Freq 2.680000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>

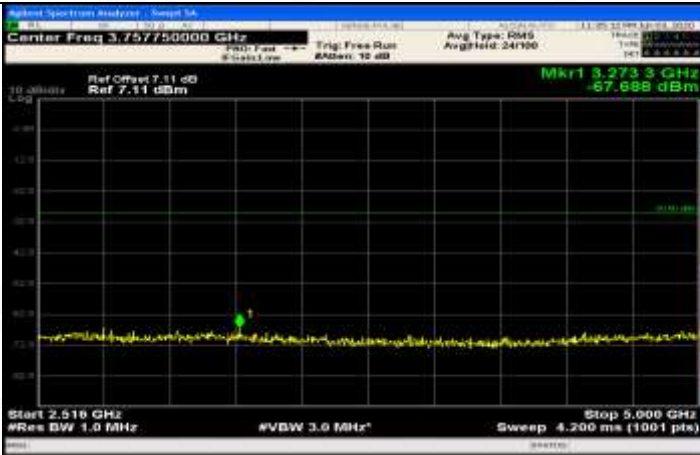

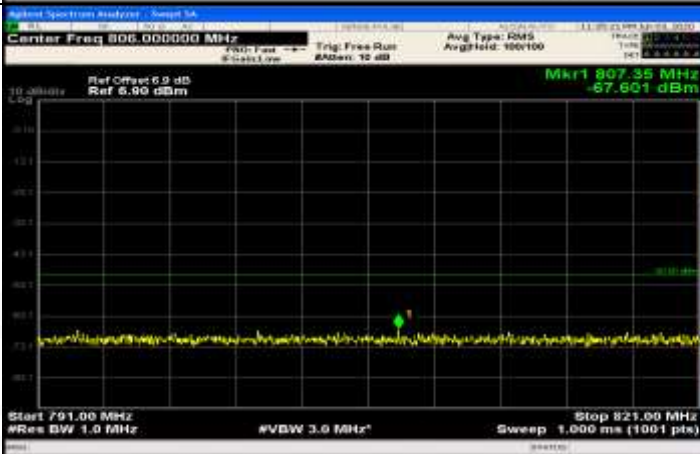
Co-existence		Frequency Auto Tune Center Freq 3.50000000 GHz Start Freq 3.40000000 GHz Stop Freq 3.60000000 GHz CF Step 20.000000 MHz Freq Offset 0 Hz
Co-existence		Frequency Auto Tune Center Freq 3.70000000 GHz Start Freq 3.60000000 GHz Stop Freq 3.80000000 GHz CF Step 20.000000 MHz Freq Offset 0 Hz
Additional	NA	

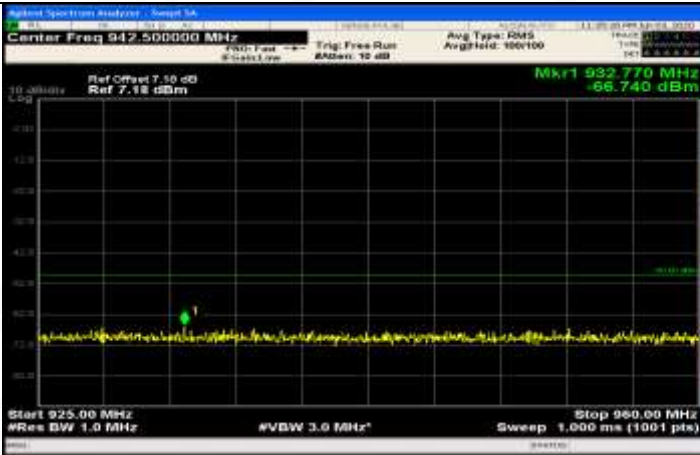
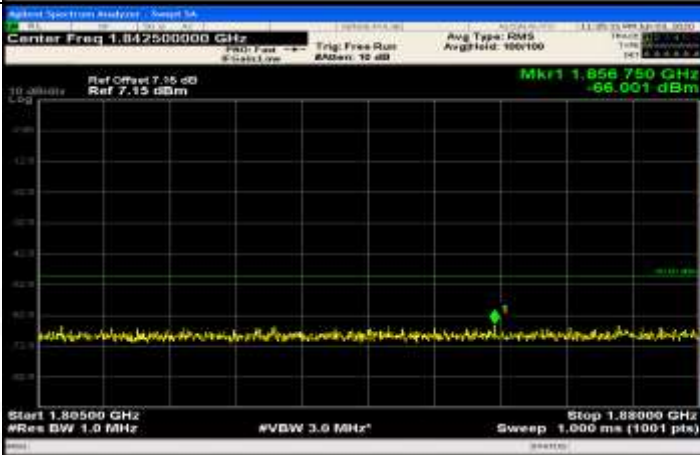
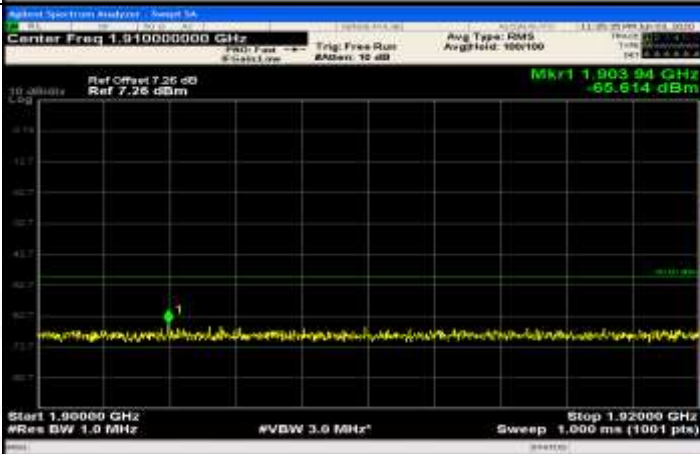
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max		
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 8.000 kHz Stop Freq 150.000 kHz CF Step 14.100 kHz Freq Offset 0 Hz

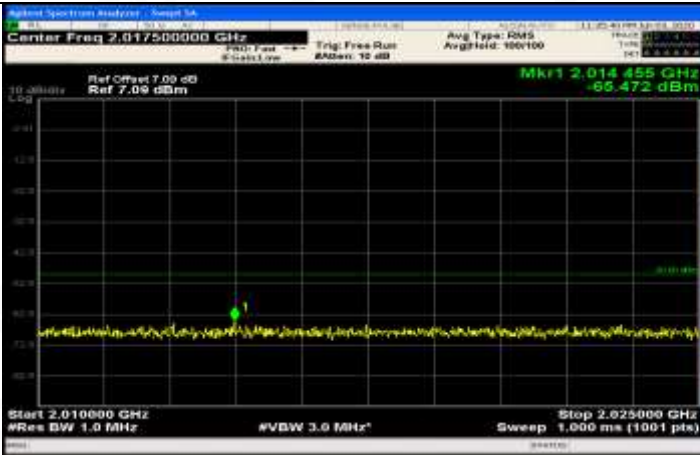
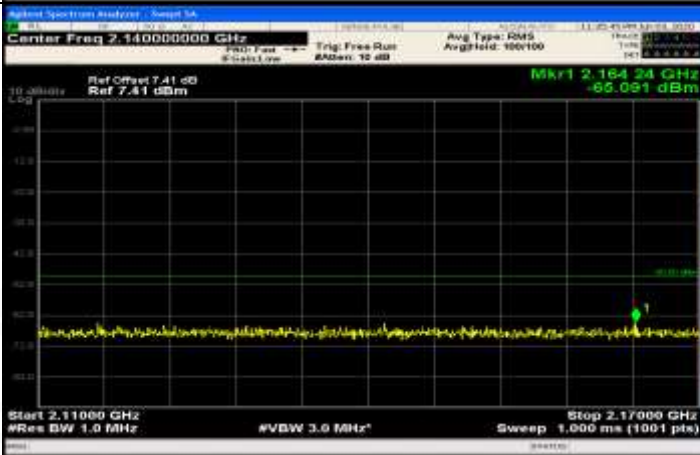
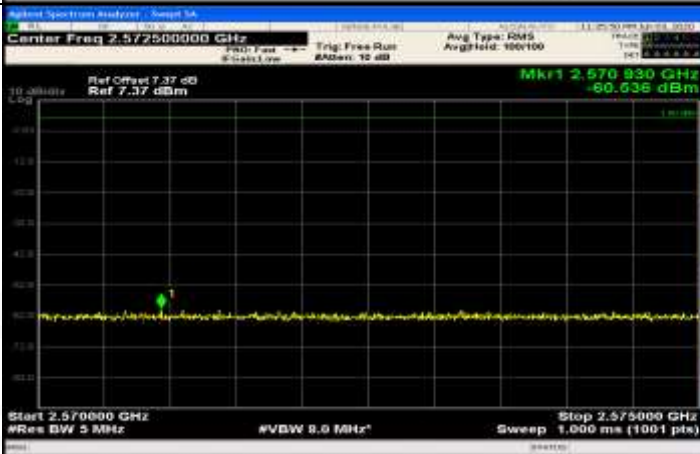


General	
General	
General	

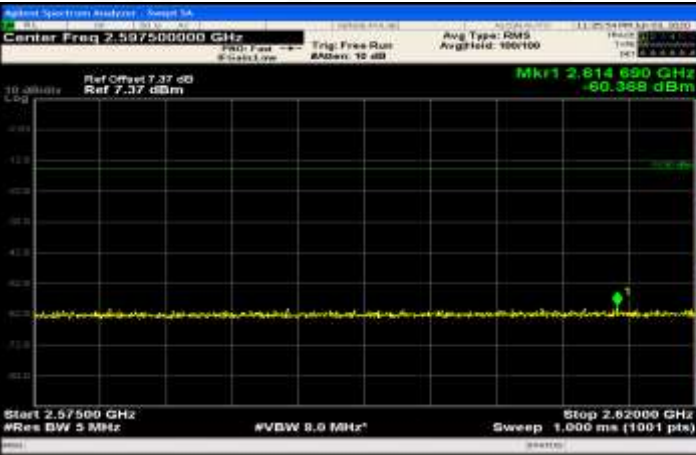
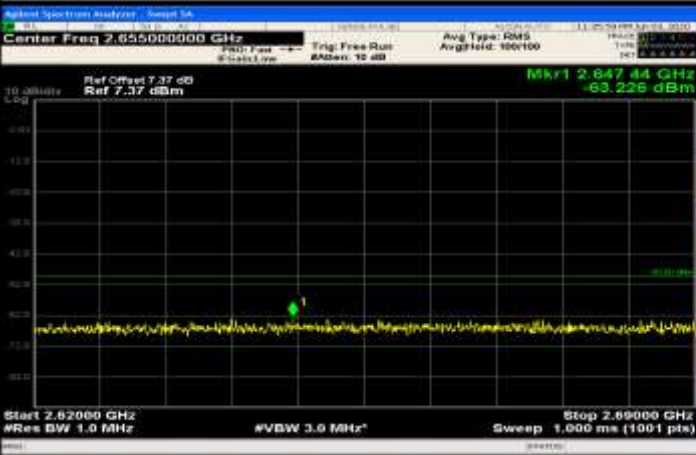
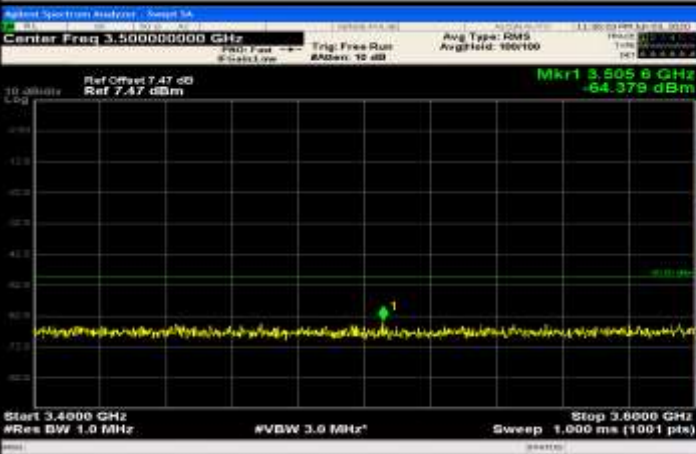


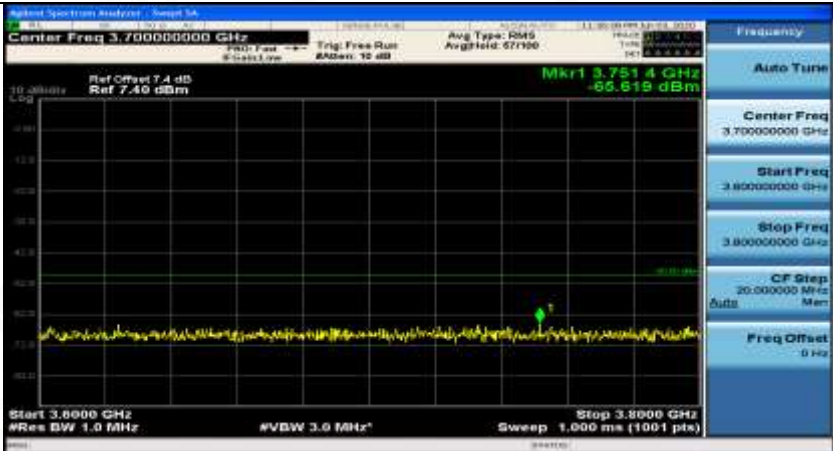
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.014455 GHz -66.472 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.16424 GHz -65.091 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.572500000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.576930 GHz -60.636 dBm Start 2.570000 GHz #Res BW 5 MHz #VBW 5.0 MHz Stop 2.575000 GHz Sweep 1.000 ms (1001 pts)</p>



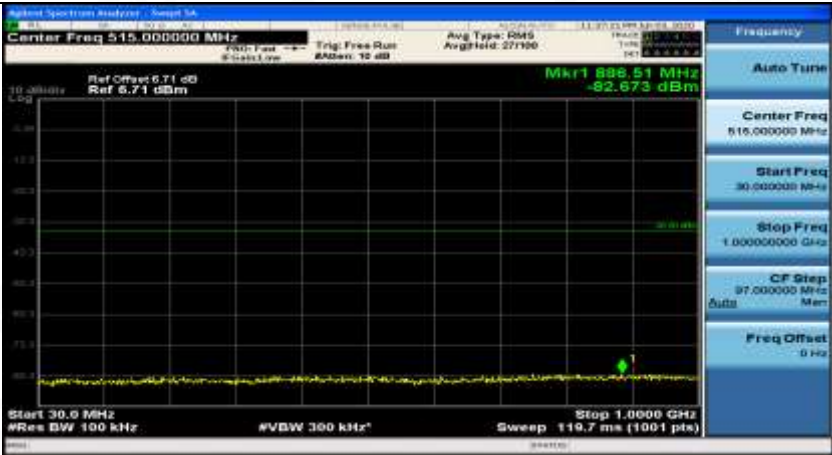


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.587500000 GHz</p> <p>Start Freq 2.575000000 GHz</p> <p>Stop Freq 2.600000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.450000000 GHz</p> <p>Stop Freq 3.600000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Additional	NA



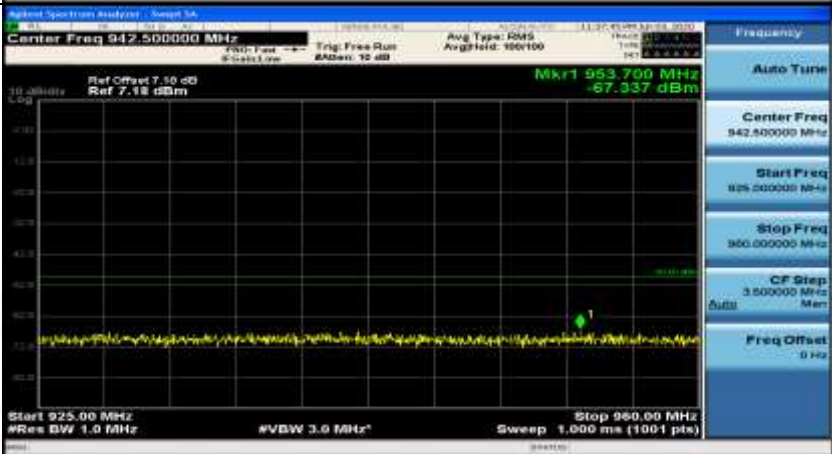
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_FullIRB#0


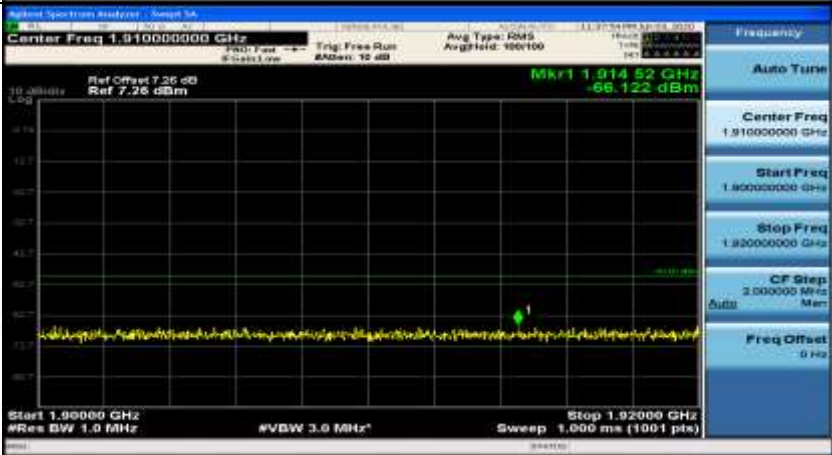
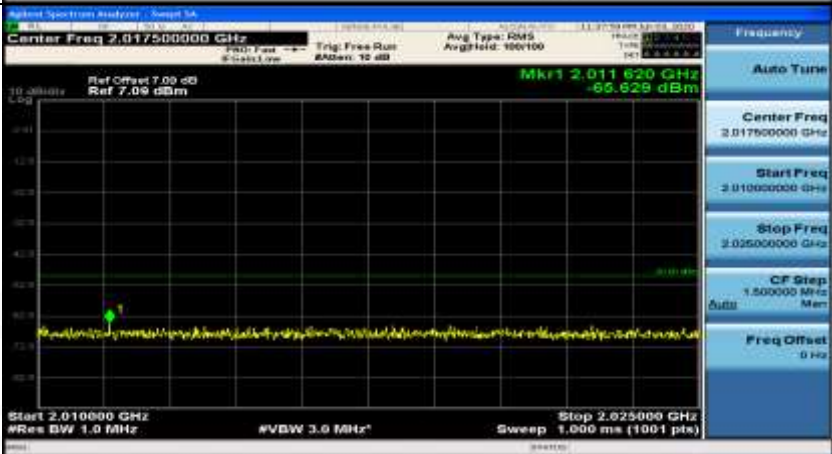
General	
General	



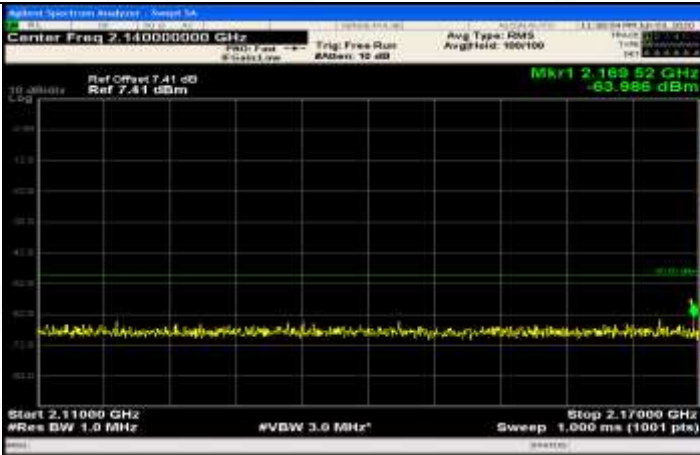


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 886.51 MHz -82.673 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.744750000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 2.3885 GHz -66.163 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.4895 GHz Sweep 1.867 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.757750000 GHz Ref Offset 7.11 dB Ref 7.11 dBm Mkr1 4.7714 GHz -67.909 dBm Start 2.516 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 4.200 ms (1001 pts)</p>



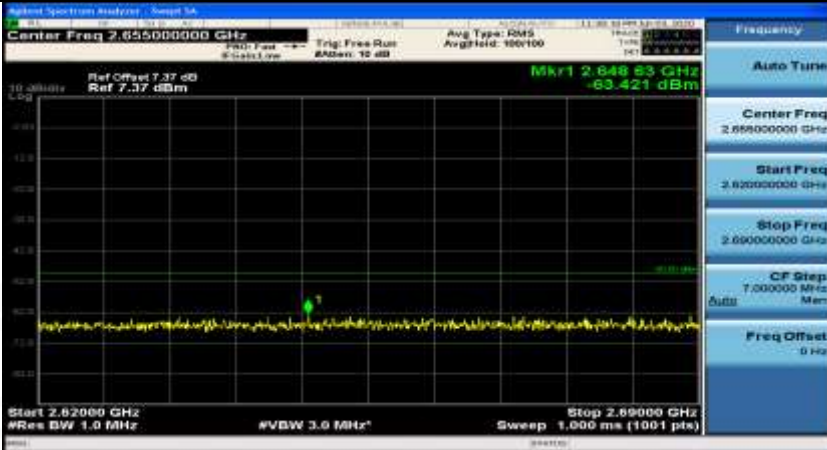
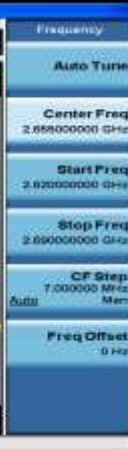
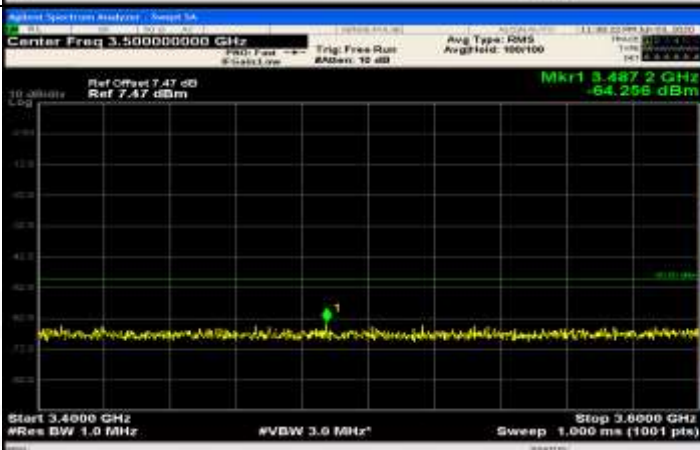
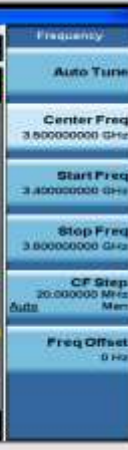
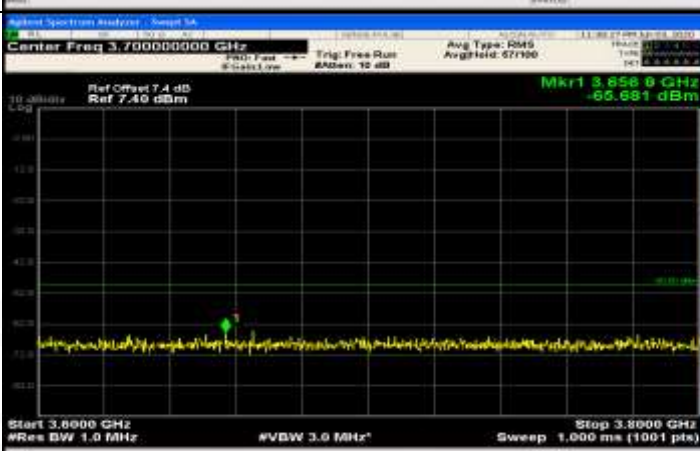

General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



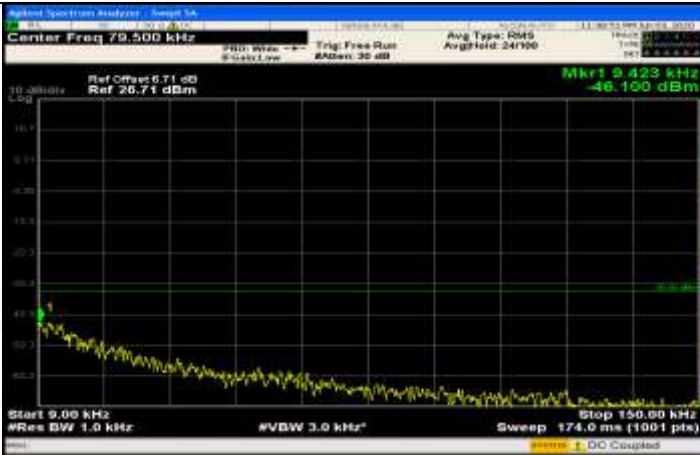

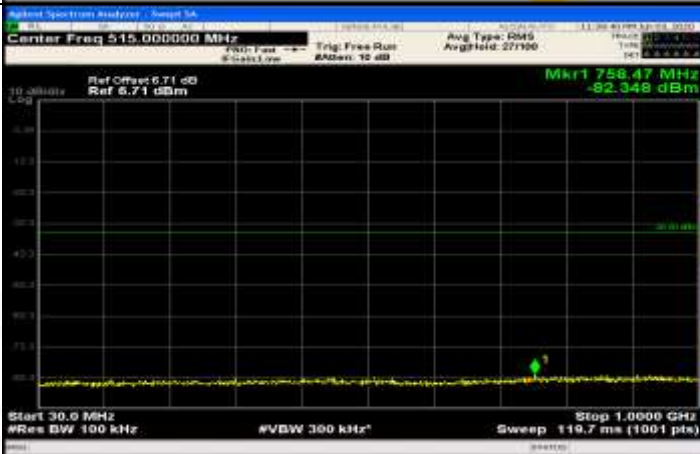
Co-existence	
Co-existence	
Co-existence	






Co-existence		
Co-existence		
Co-existence		
Additional	NA	

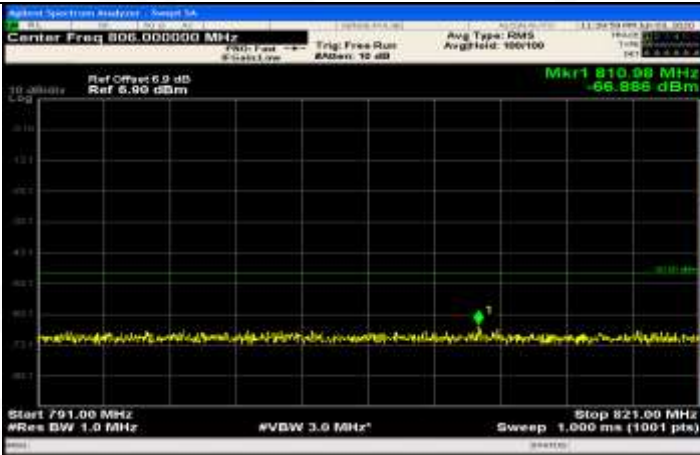
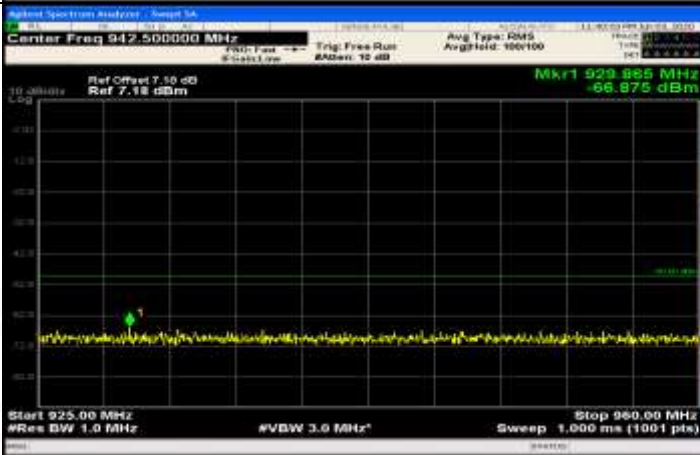
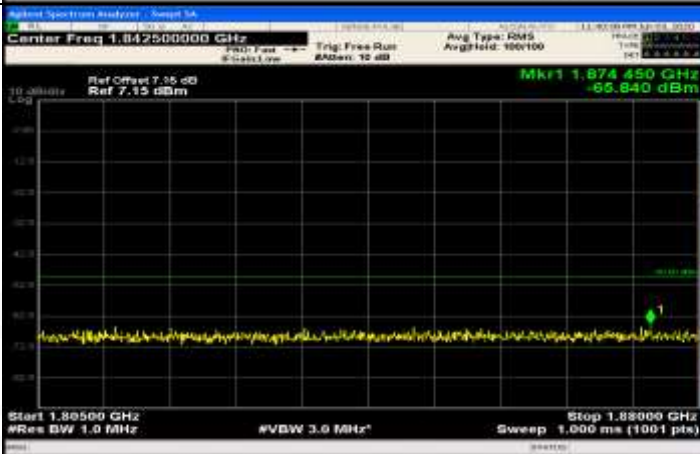
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#0



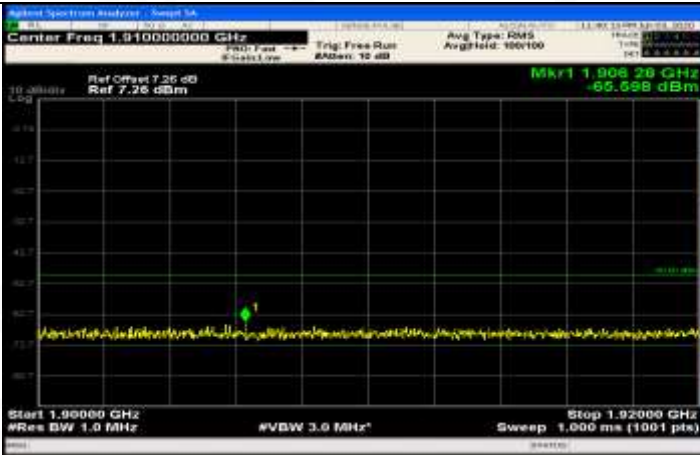
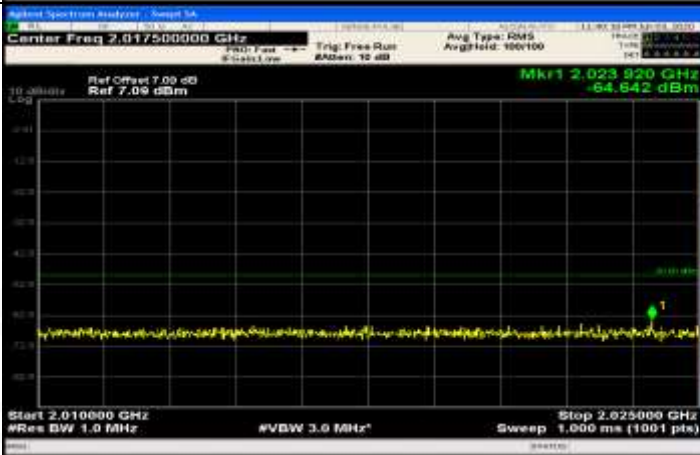
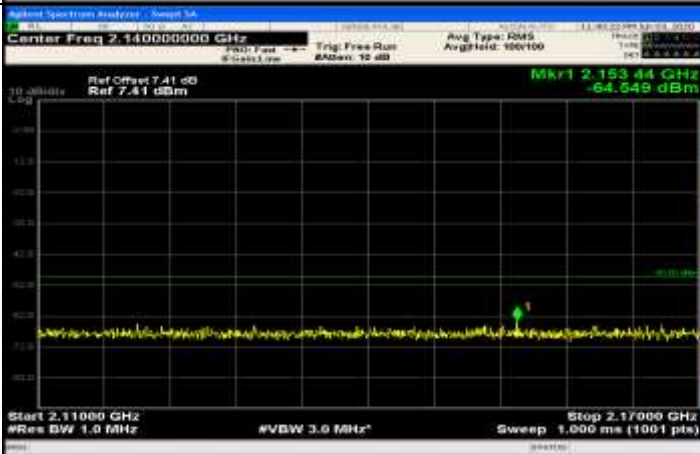
General	
General	
General	

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.76100000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 2.3211 GHz -66.029 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.5220 GHz Sweep 1.933 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.77400000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.7123 GHz -69.126 dBm Start 2.548 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 4.133 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.0880 GHz -67.845 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>

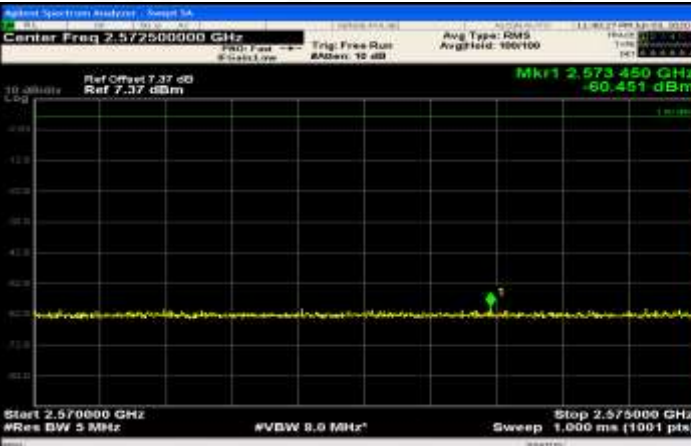
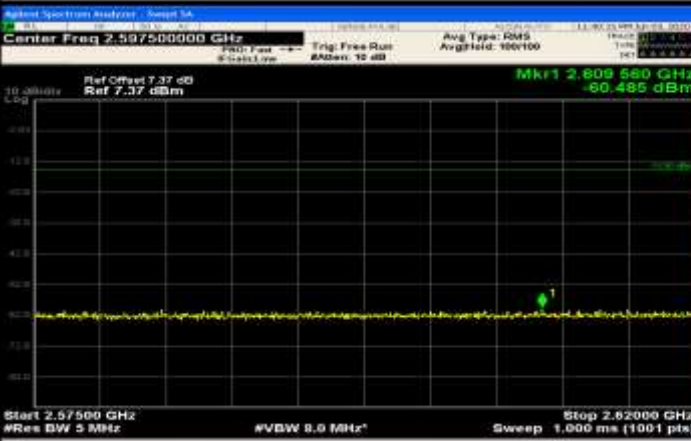
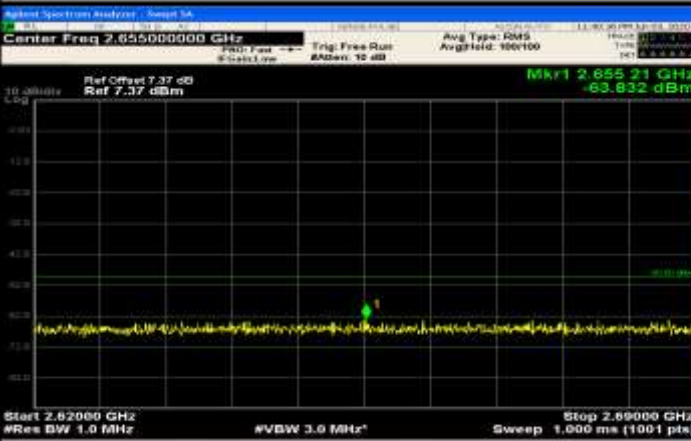


Co-existence	
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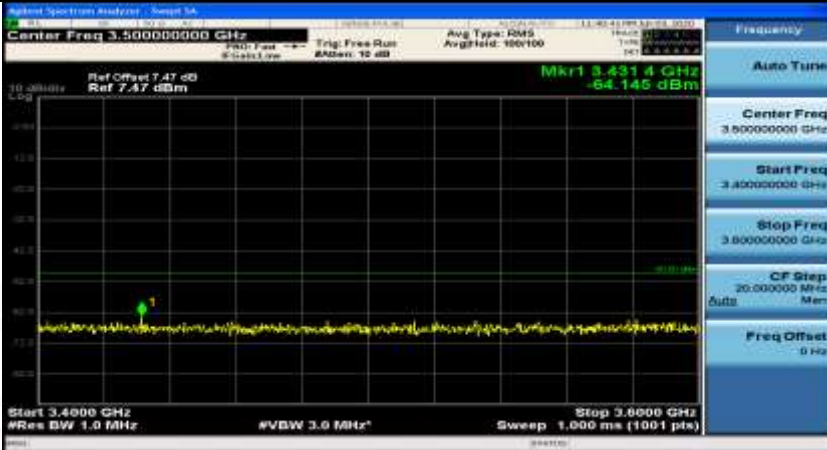
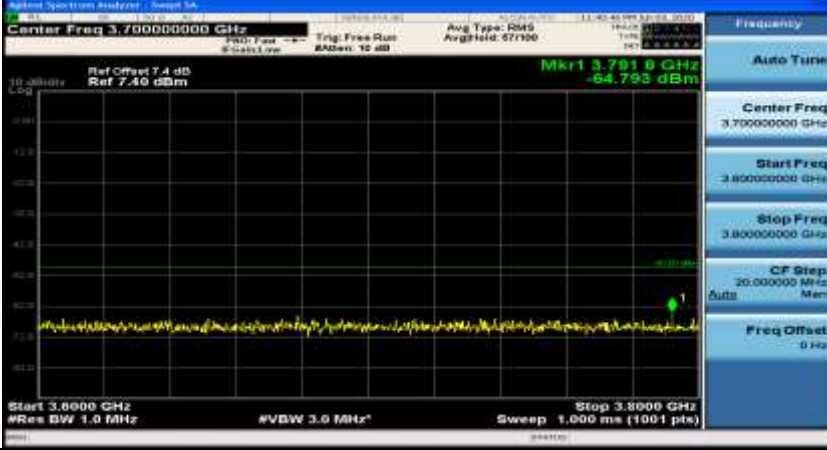


Co-existence	
Co-existence	
Co-existence	


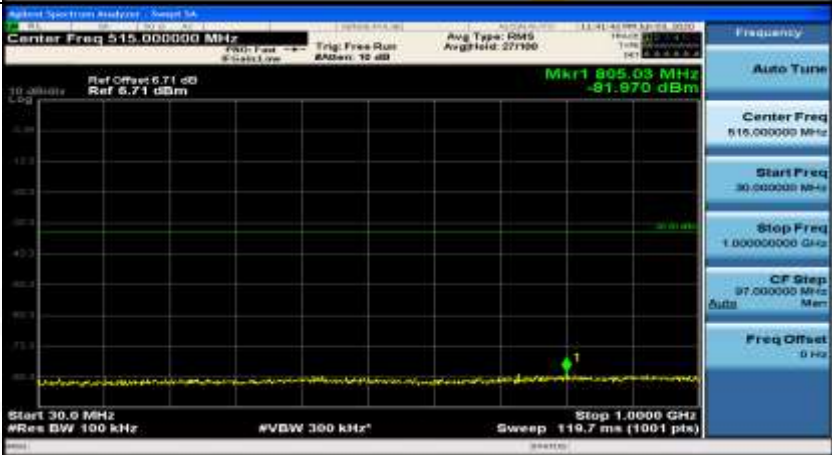
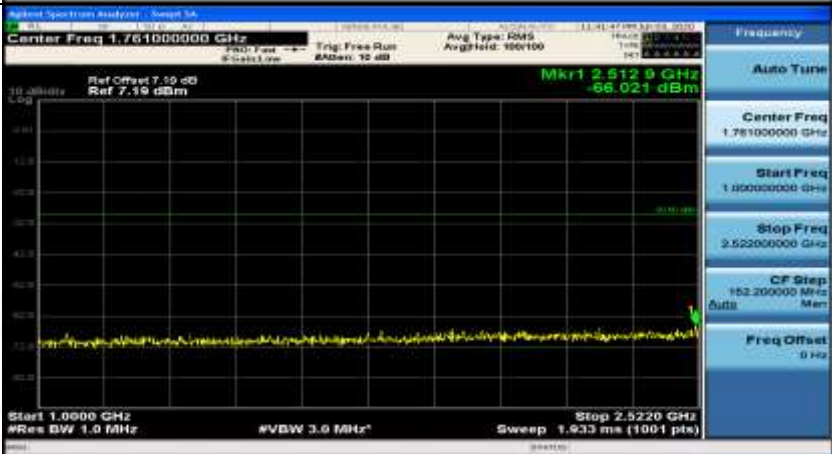


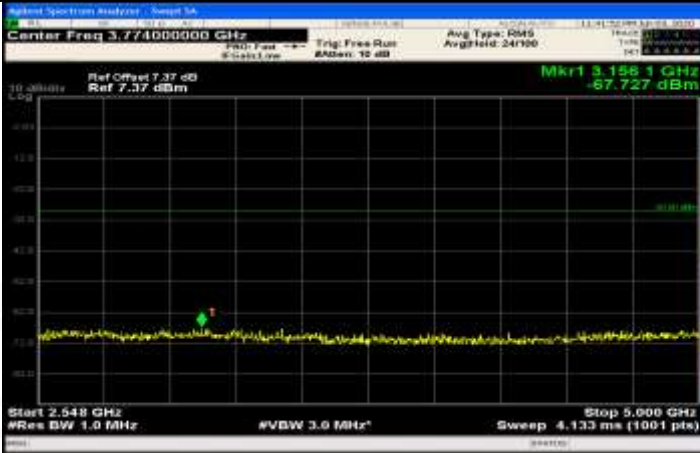


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.57250000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.57500000 GHz</p> <p>CF Step 500.000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59750000 GHz</p> <p>Start Freq 2.57500000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>



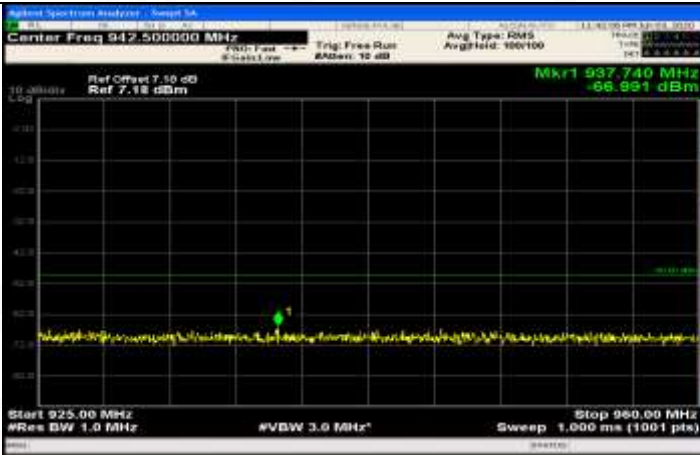
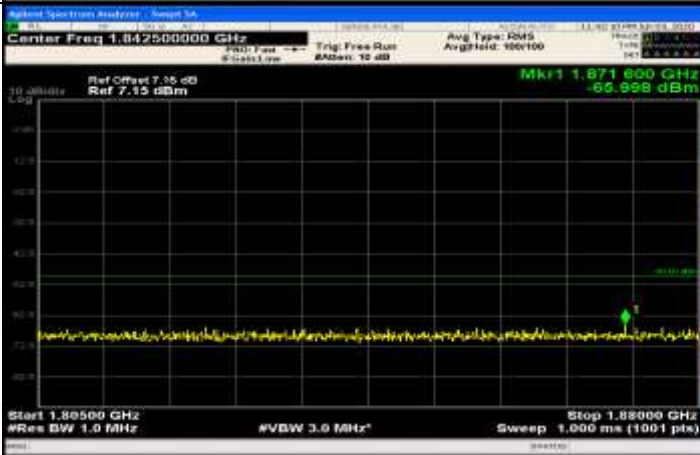
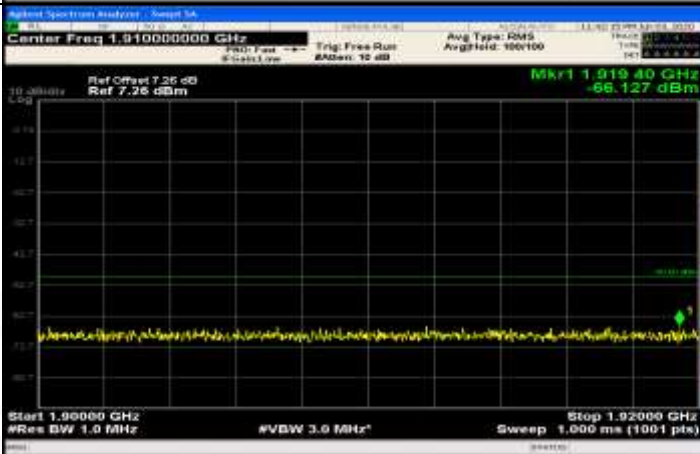
Co-existence		Frequency Auto Tune Center Freq 3.50000000 GHz Start Freq 3.40000000 GHz Stop Freq 3.60000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Co-existence		Frequency Auto Tune Center Freq 3.70000000 GHz Start Freq 3.60000000 GHz Stop Freq 3.80000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Additional	NA	

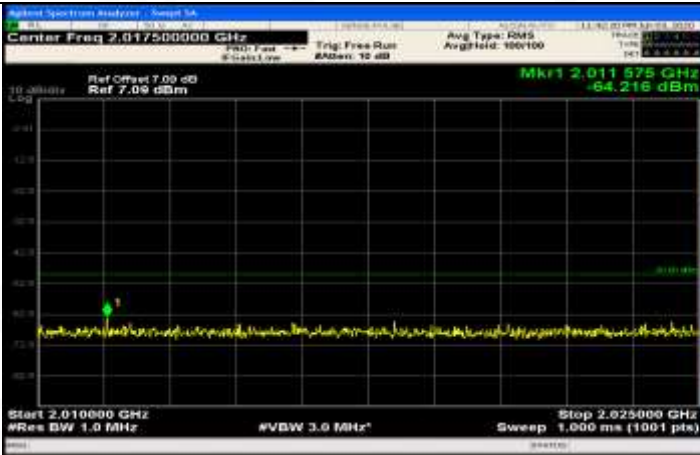
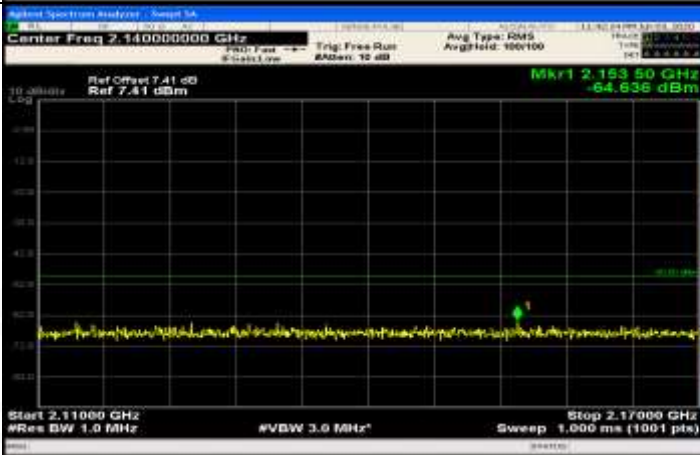

Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max		
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 9.000 kHz Stop Freq 150.000 kHz CF Step 14.100 kHz Auto Mem Freq Offset 0 Hz


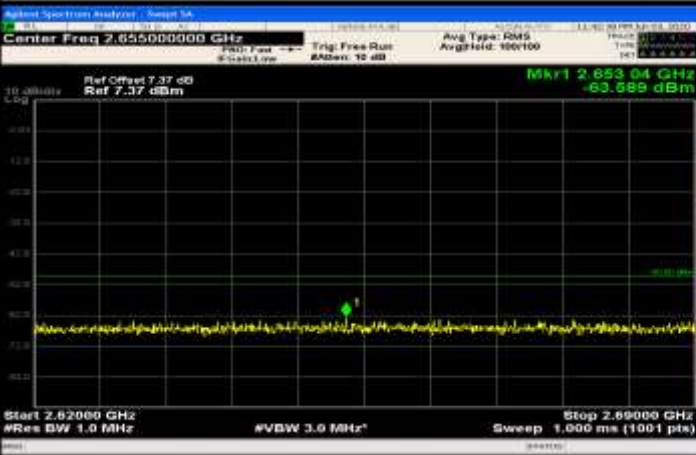
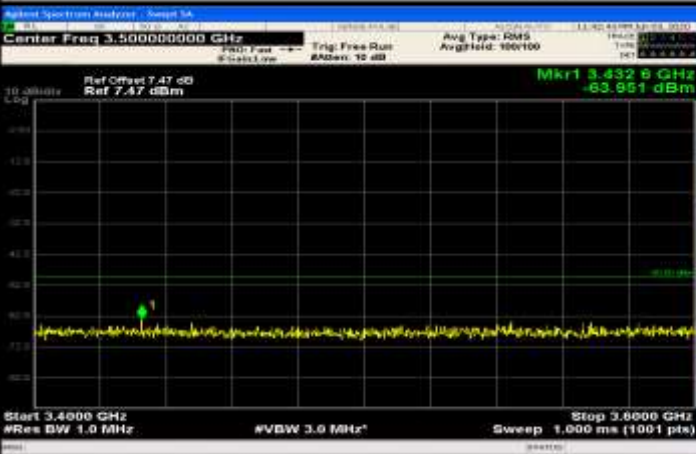
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -46.299 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 8.71 dBm Mkr1 895.03 MHz -81.970 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.76100000 GHz Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 2.5129 GHz -66.021 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.5220 GHz Sweep 1.933 ms (1001 pts)</p>

General	
General	
Co-existence	

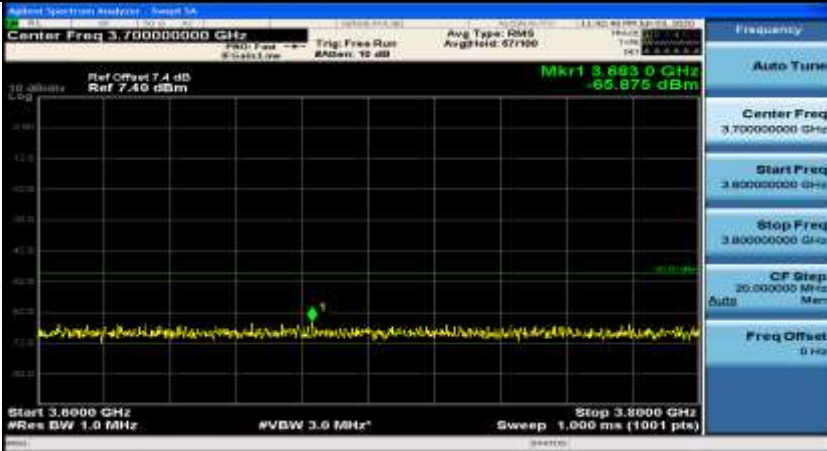


Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

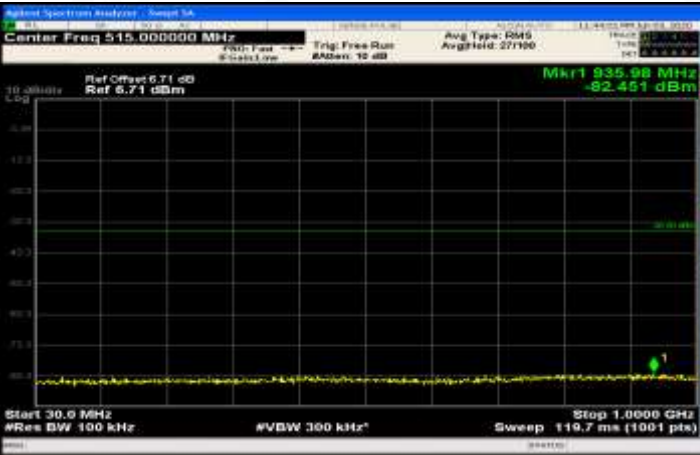
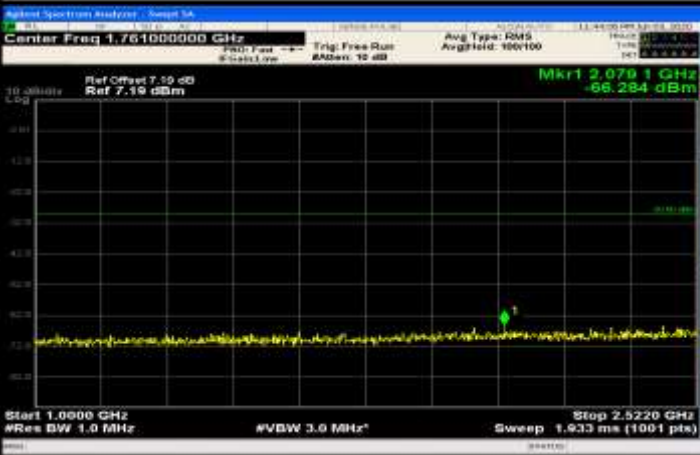
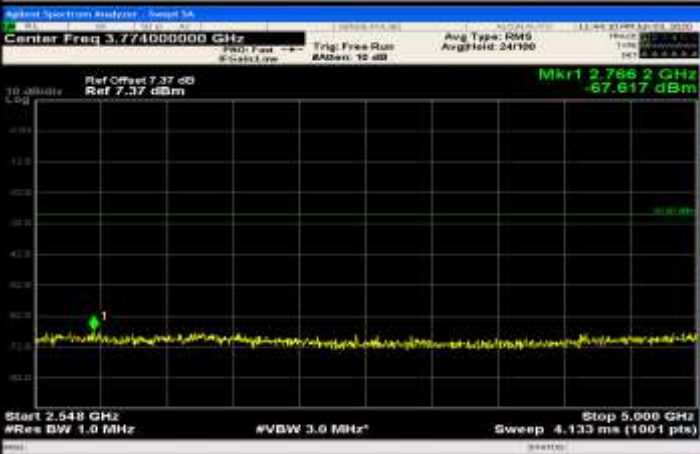
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.587500000 GHz</p> <p>Start Freq 2.575000000 GHz</p> <p>Stop Freq 2.600000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.400000000 GHz</p> <p>Stop Freq 3.600000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>


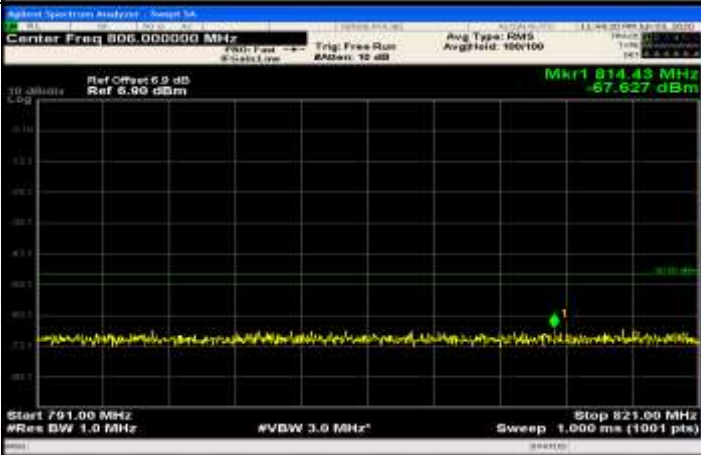
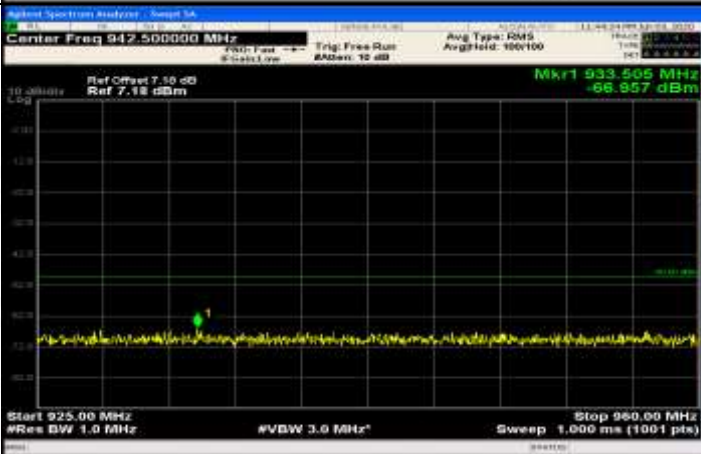


Co-existence	
Additional	NA

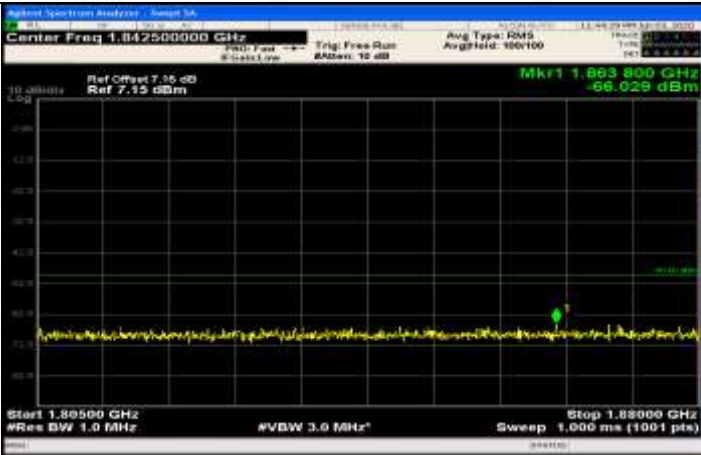
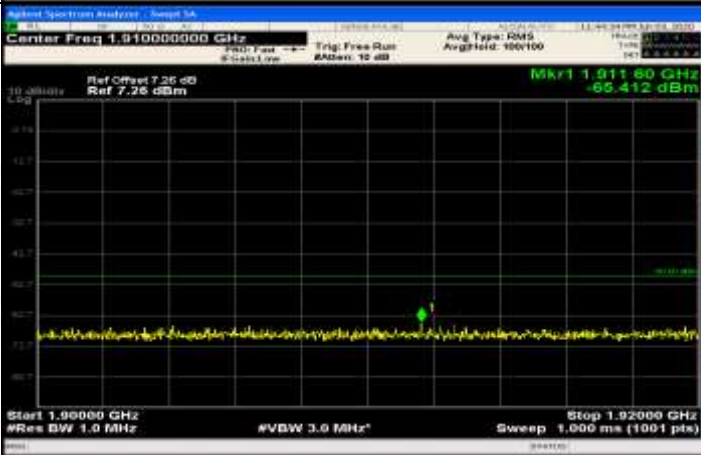
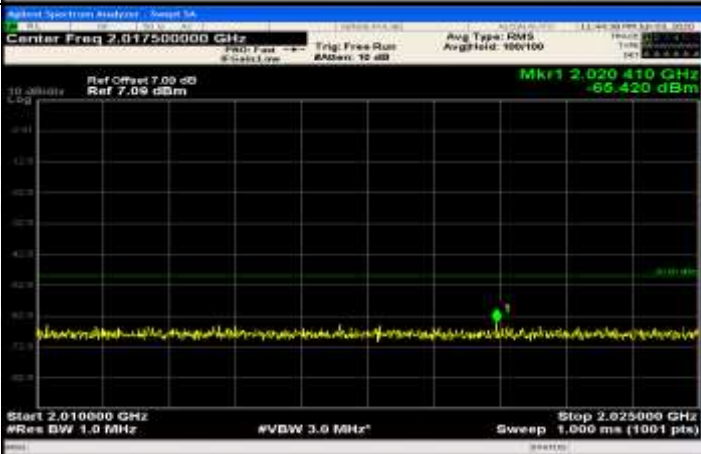
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_FullRB#0

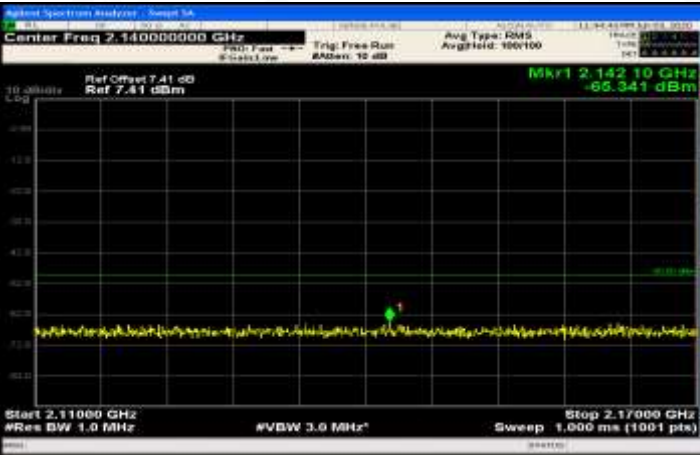

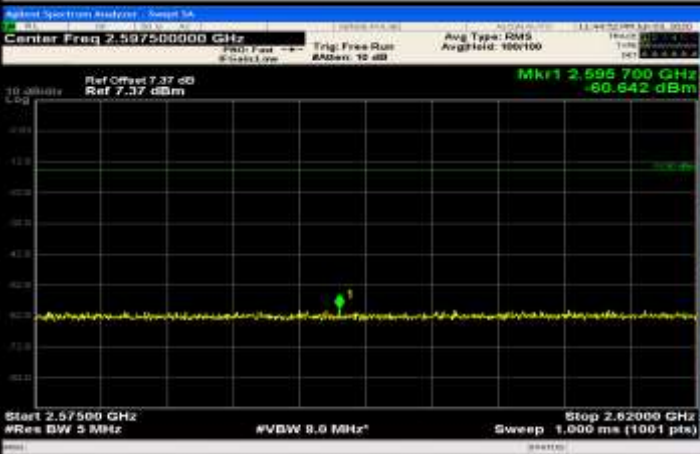
General	
General	

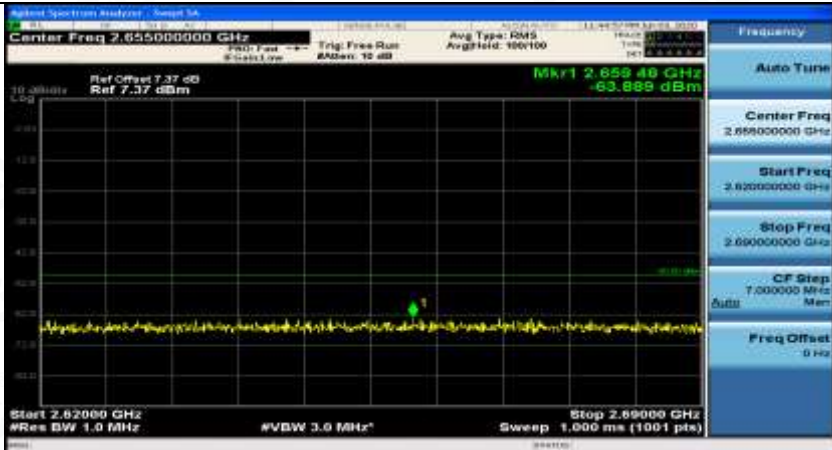
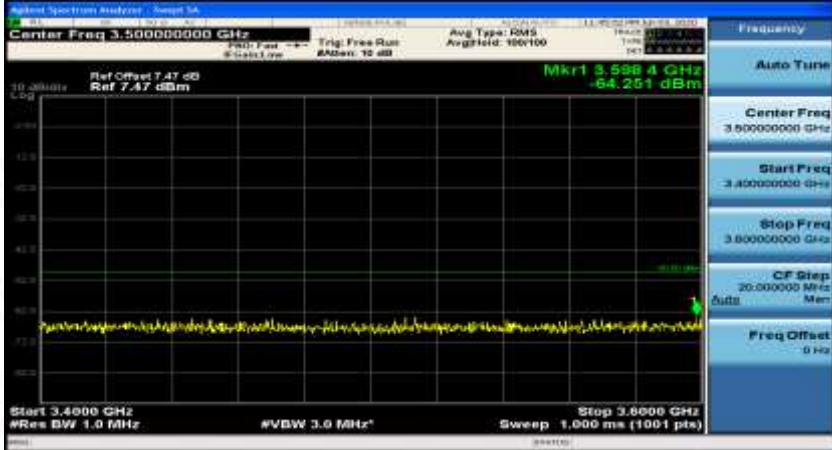
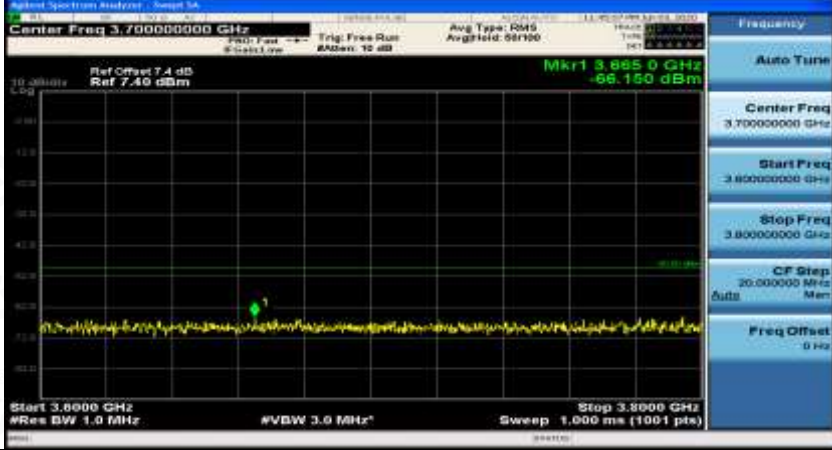
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.15000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.751000000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 2.522000000 GHz</p> <p>CF Step 152.200000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.774000000 GHz</p> <p>Start Freq 2.548000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 245.200000 MHz</p> <p>Freq Offset 0 Hz</p>

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 761.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 926.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.57250000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.57500000 GHz</p> <p>CF Step 500.000 kHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59750000 GHz</p> <p>Start Freq 2.57500000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>

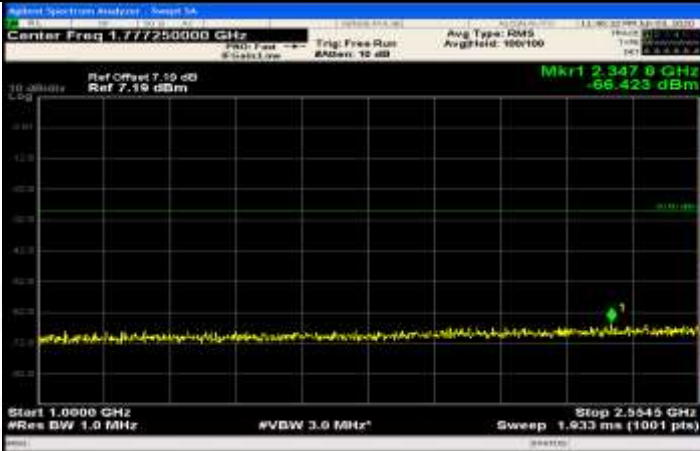
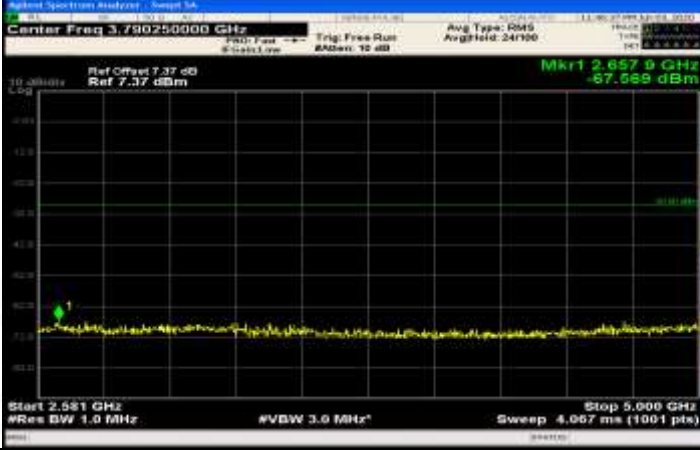

Co-existence	
Co-existence	
Co-existence	
Additional	NA

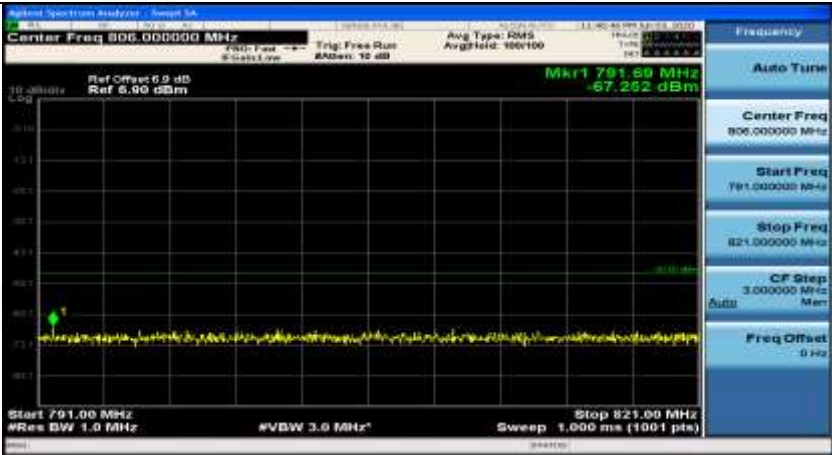
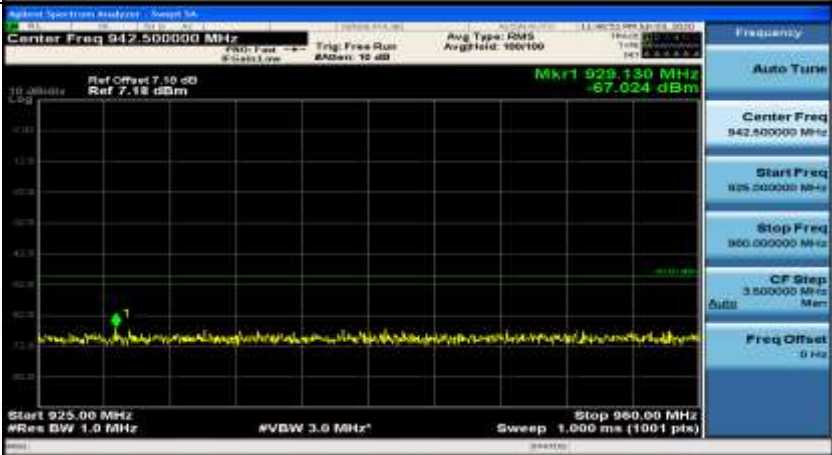
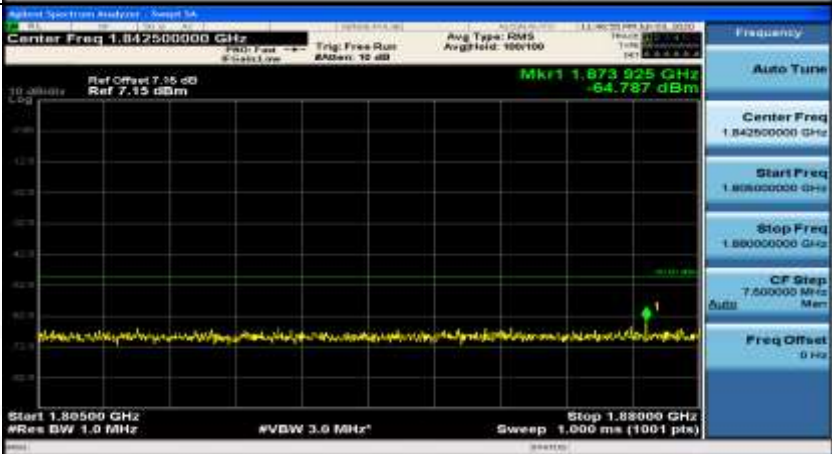
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0



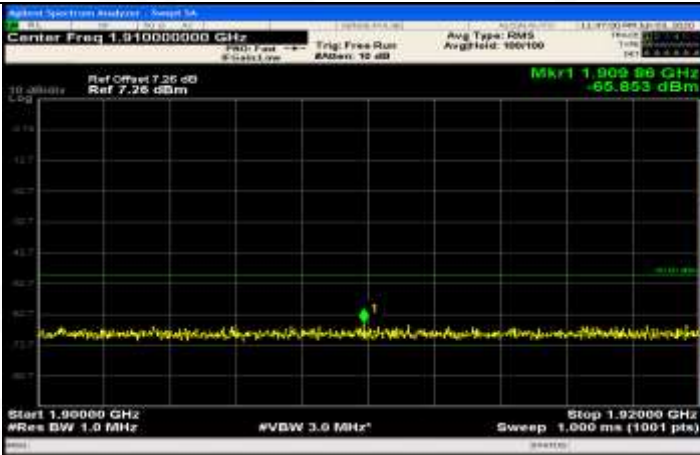
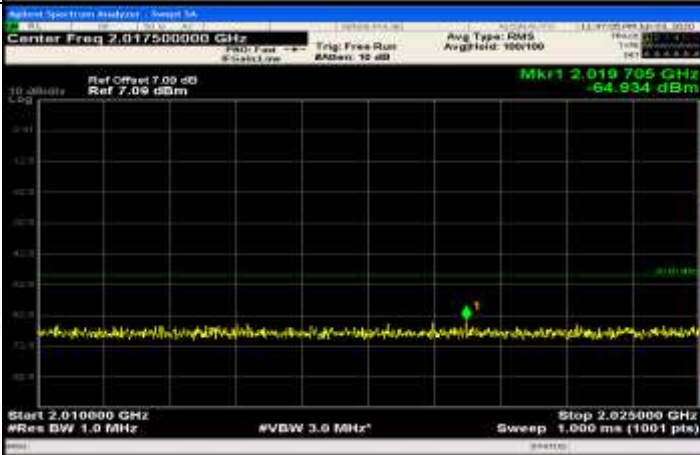
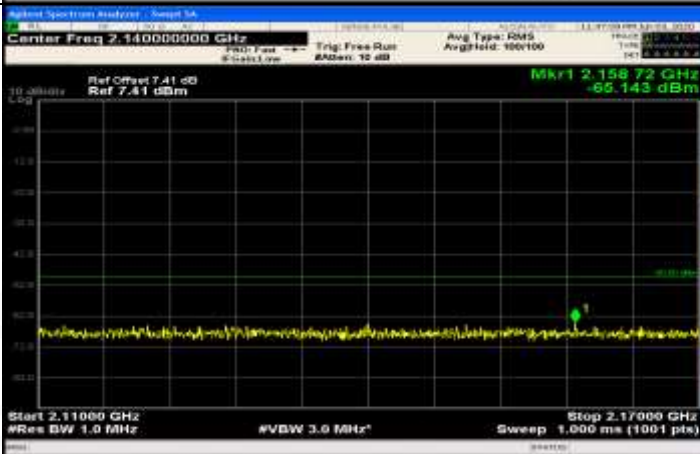


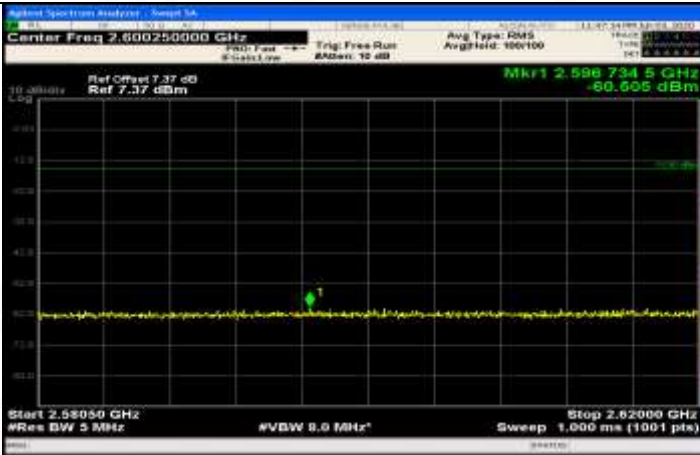
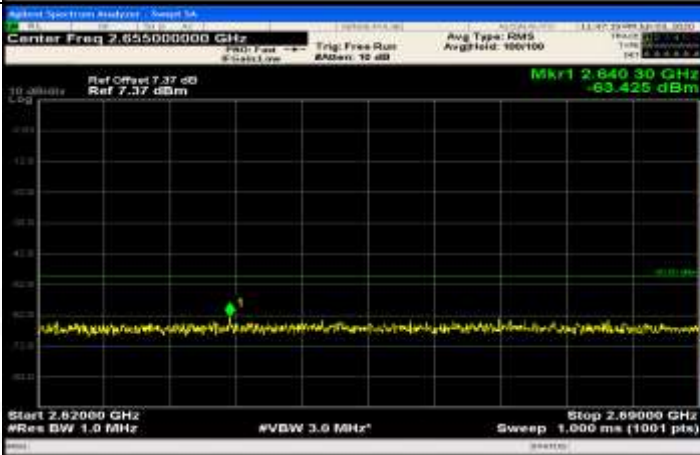
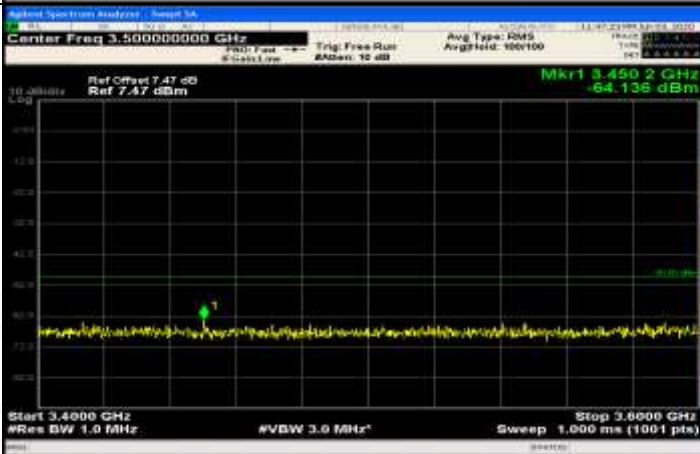


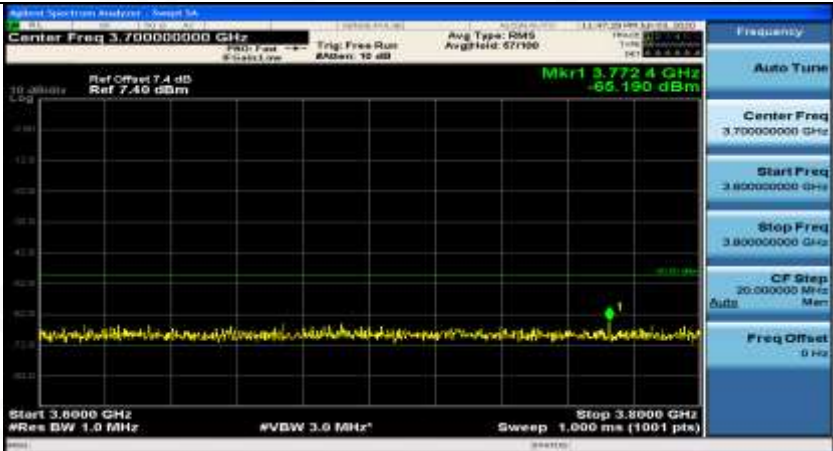
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.777250000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 2.3478 GHz -66.423 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.5545 GHz Sweep 1.933 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 1.777250000 GHz Start Freq 1.000000000 GHz Stop Freq 2.554500000 GHz CF Step 100.400000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.790250000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.6578 GHz -67.589 dBm Start 2.551 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 4.067 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 3.790250000 GHz Start Freq 2.550000000 GHz Stop Freq 5.000000000 GHz CF Step 241.360000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.21525 GHz -67.869 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 8.875000000 GHz Start Freq 5.000000000 GHz Stop Freq 12.750000000 GHz CF Step 776.000000 MHz Auto Mem Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	



Co-existence	
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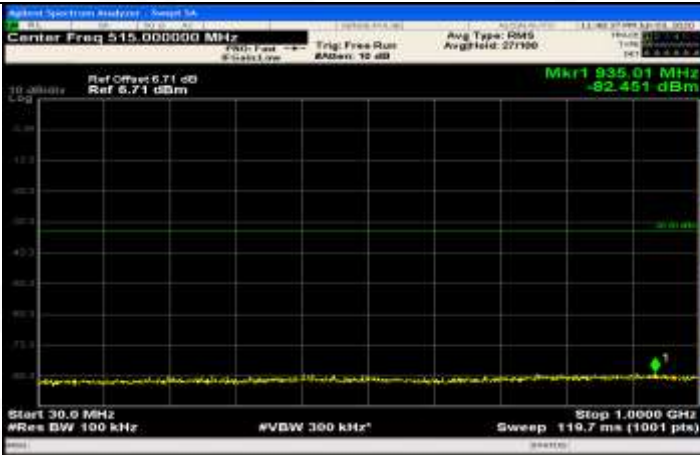
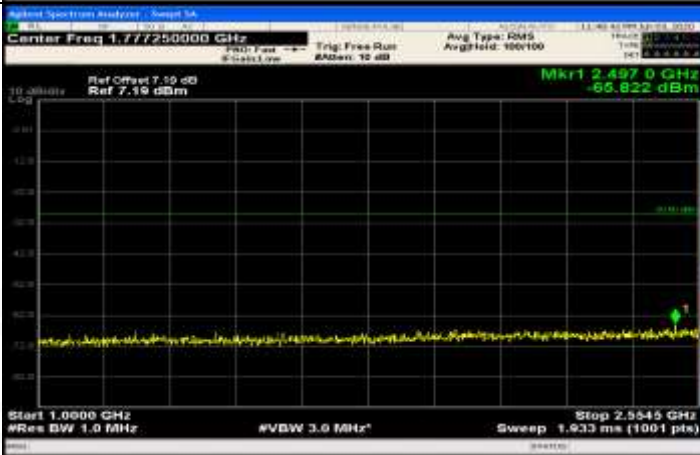
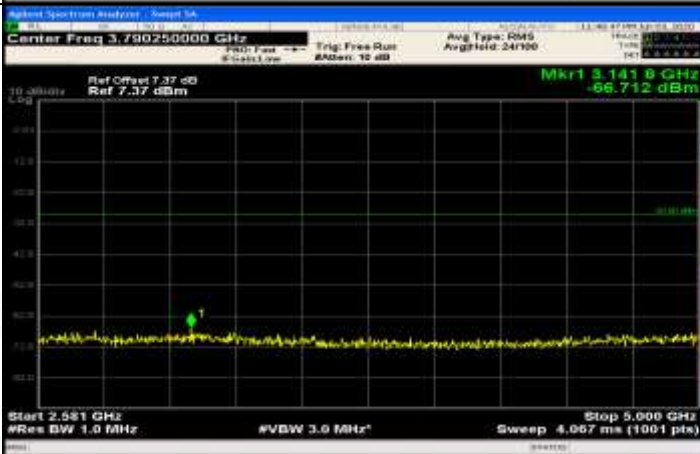
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Additional	NA


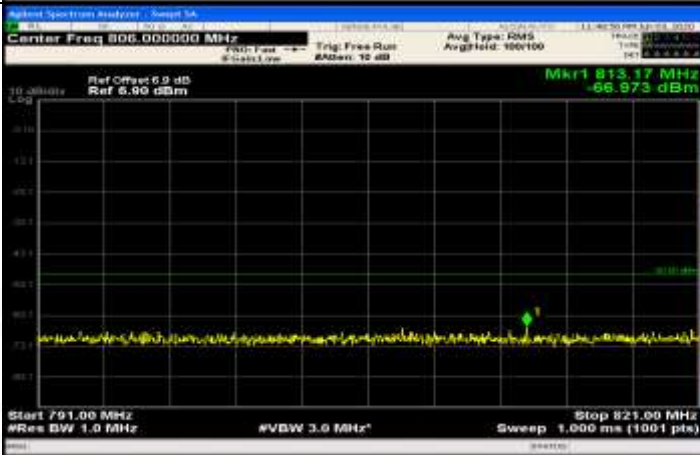
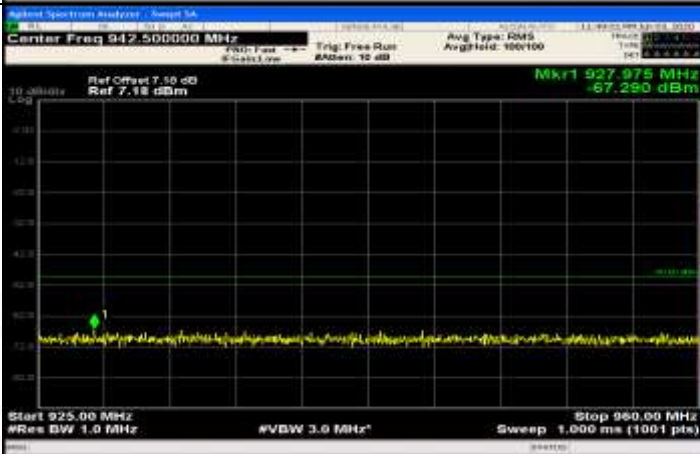
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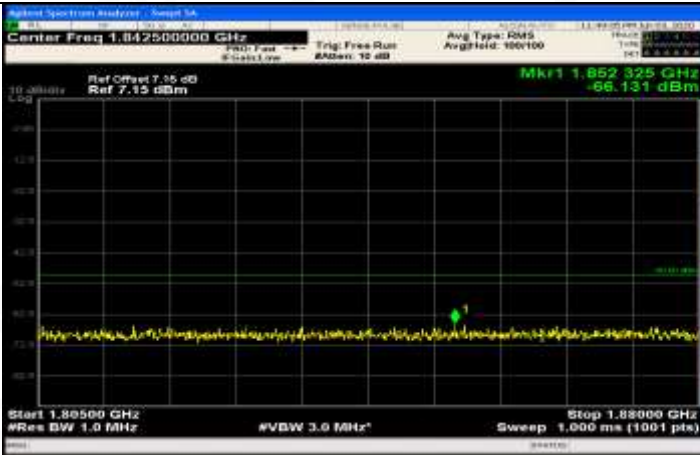
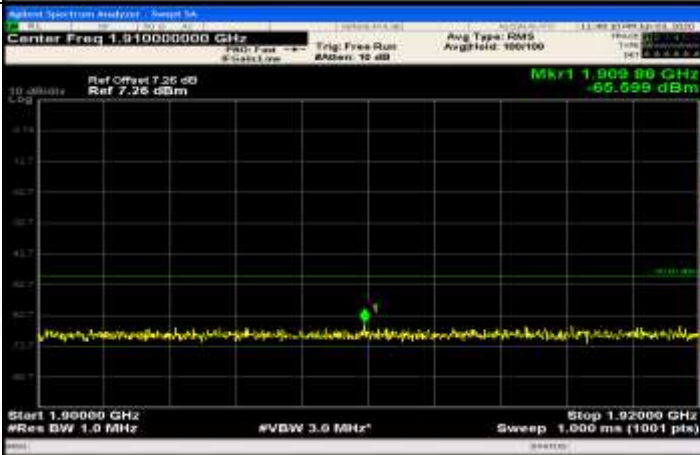
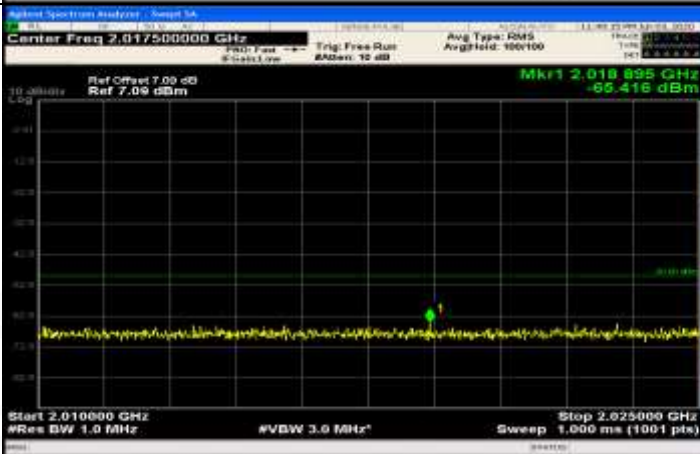
General	
General	



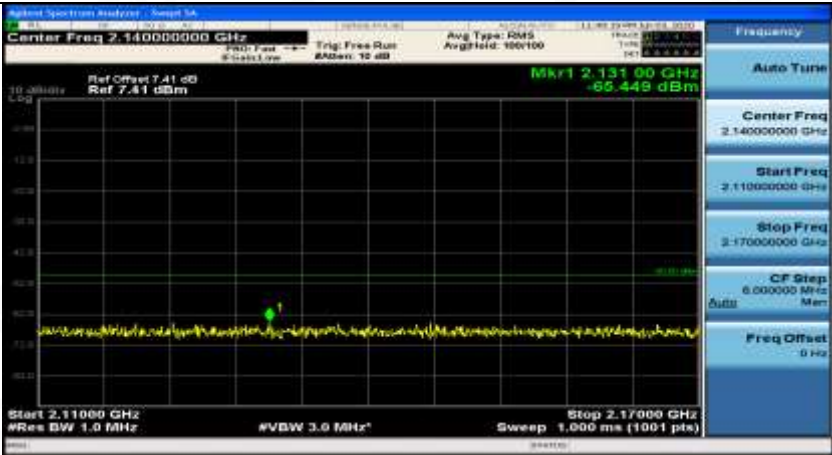
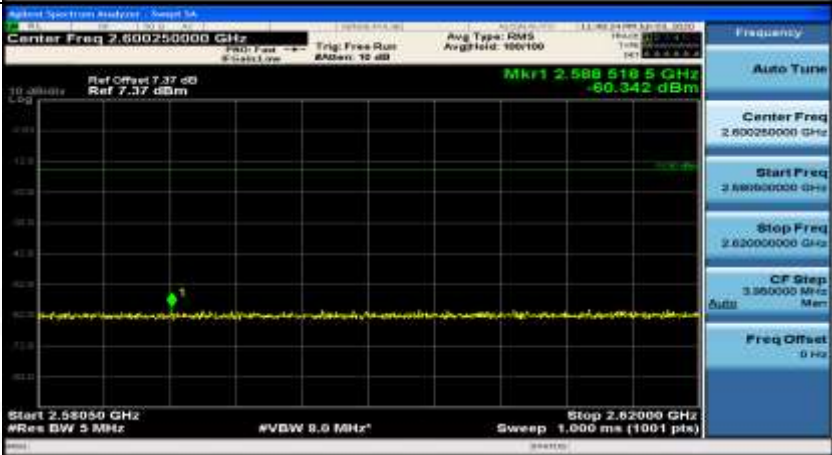
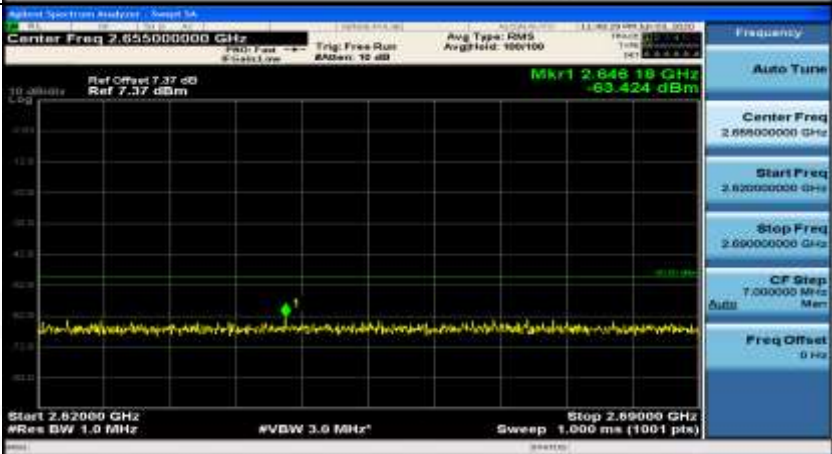


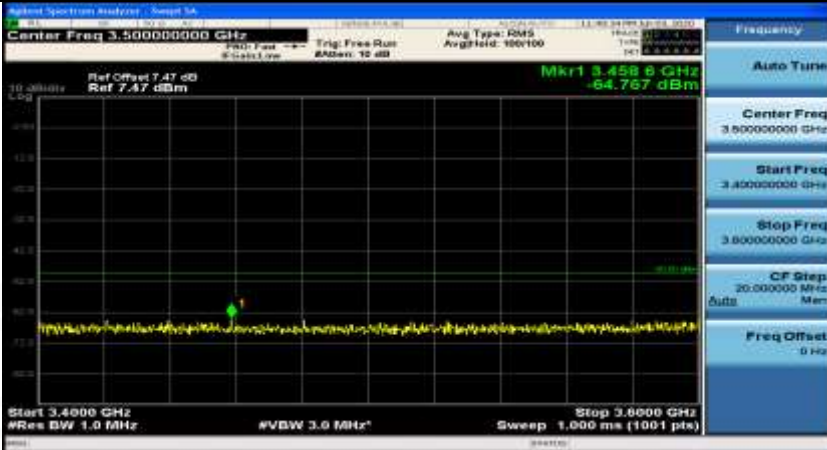
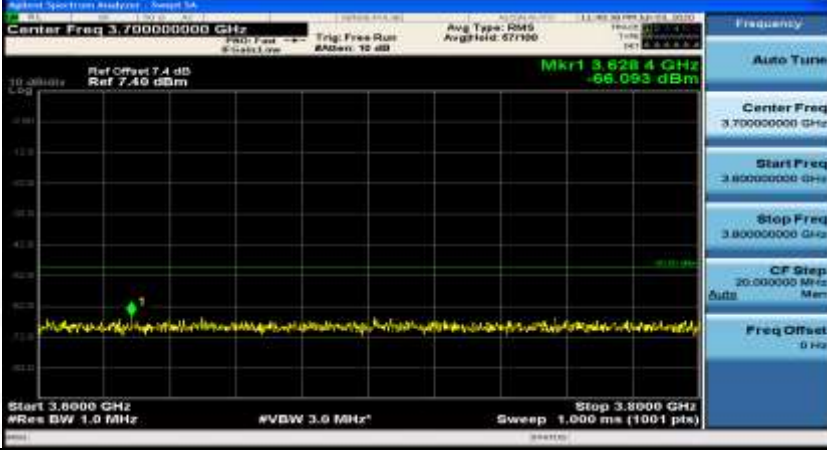
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General	 <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 1.77725000 GHz</p> <p>Ref Offset 7.10 dB</p> <p>Ref 7.10 dBm</p> <p>Mkr1 2.4970 GHz</p> <p>-65.822 dBm</p> <p>Start 1.0000 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Stop 2.5545 GHz</p> <p>Sweep 1.933 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.77725000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 2.55450000 GHz</p> <p>CF Step 155.450000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 3.79025000 GHz</p> <p>Ref Offset 7.37 dB</p> <p>Ref 7.37 dBm</p> <p>Mkr1 3.1419 GHz</p> <p>-66.712 dBm</p> <p>Start 2.581 GHz</p> <p>#Res BW 1.0 MHz</p> <p>#VBW 3.0 MHz</p> <p>Stop 5.000 GHz</p> <p>Sweep 4.067 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.79025000 GHz</p> <p>Start Freq 2.58000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 241.500000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p>


General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


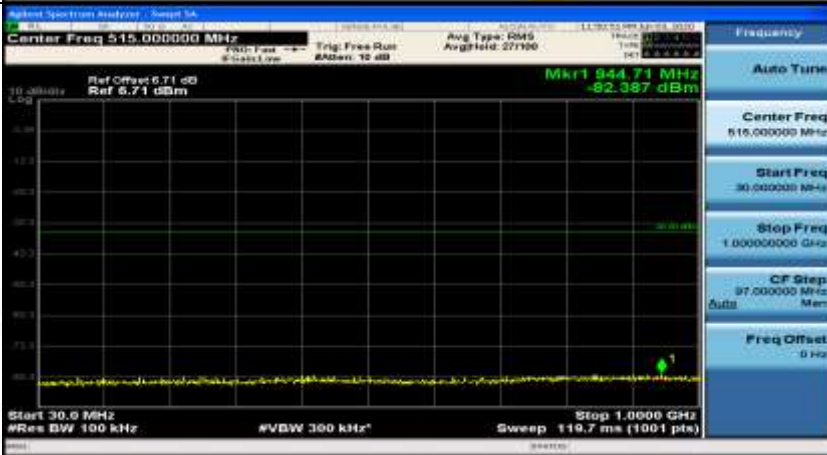



Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Additional	NA

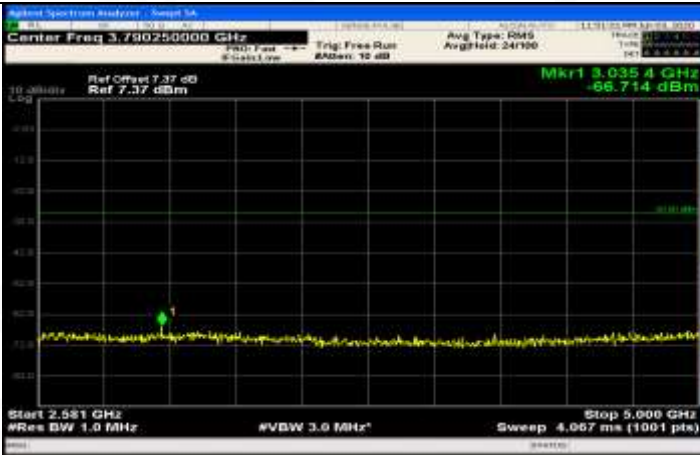

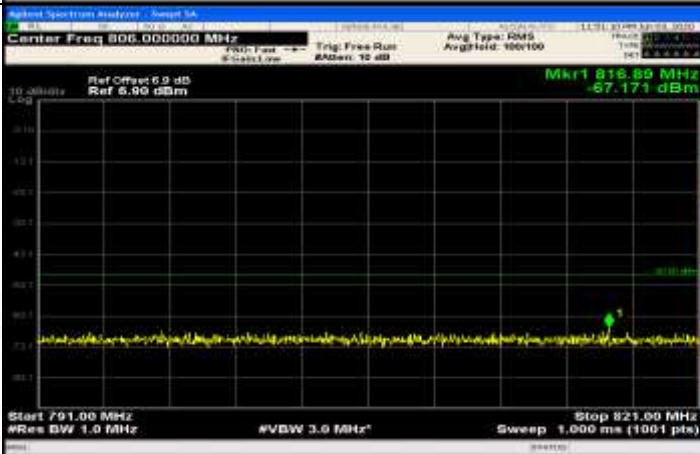
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General	

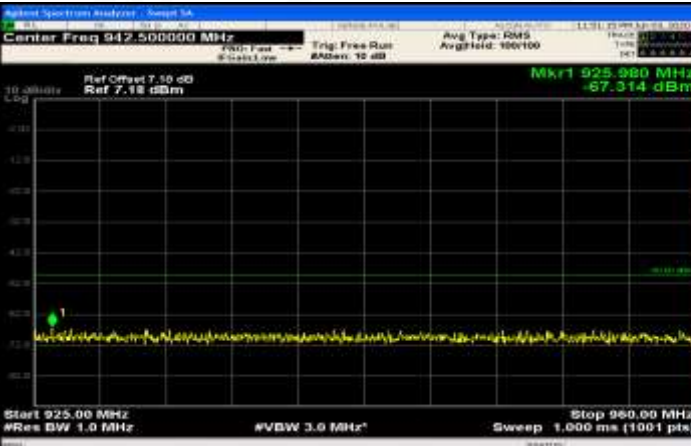




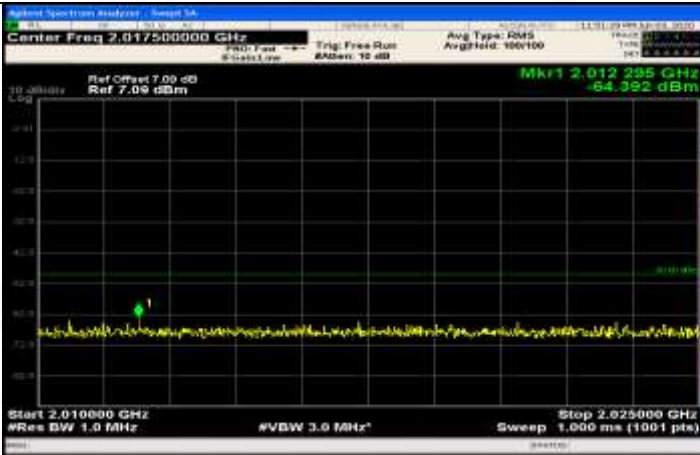
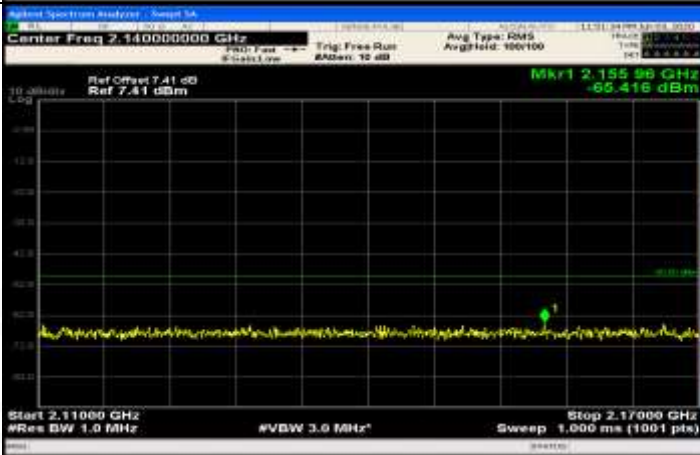
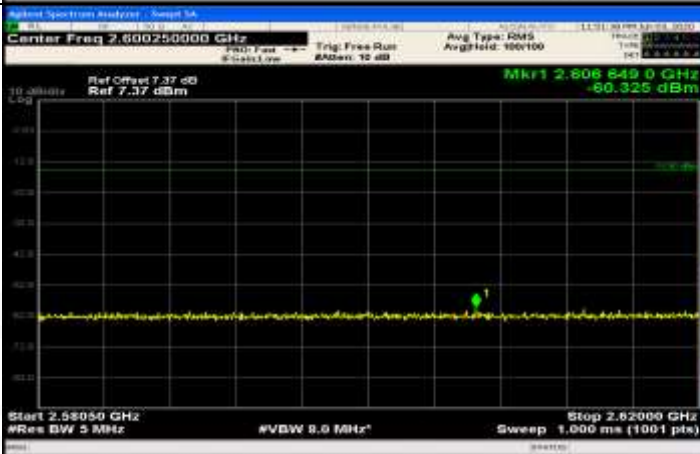
General	
General	
General	



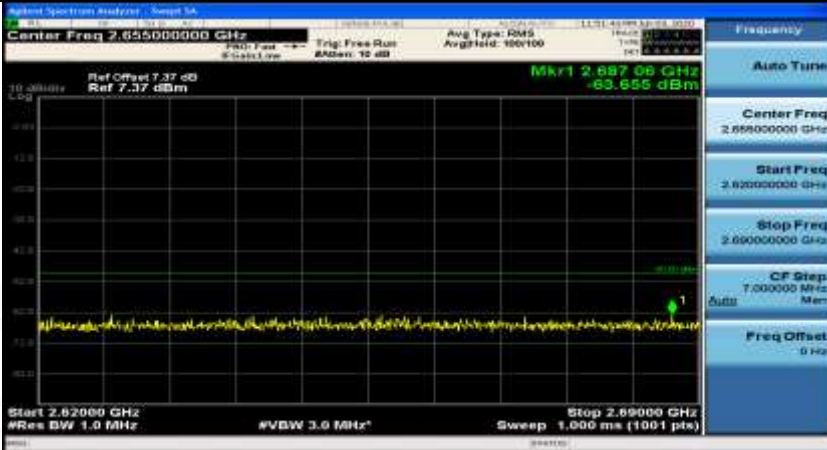
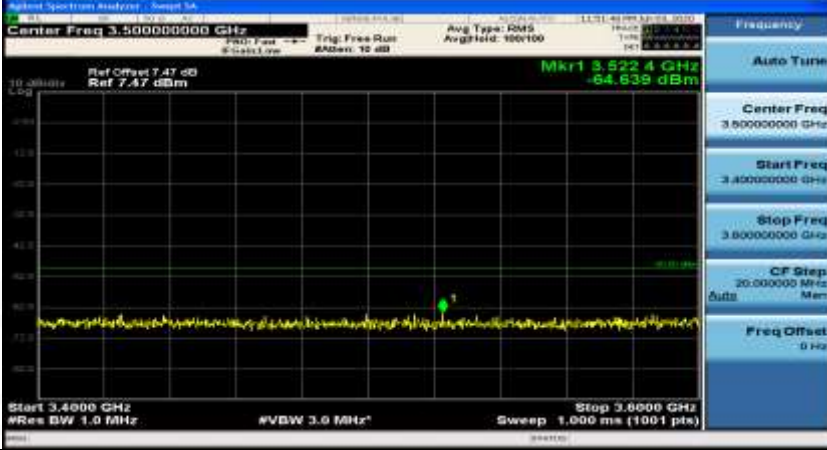



General	
General	
Co-existence	

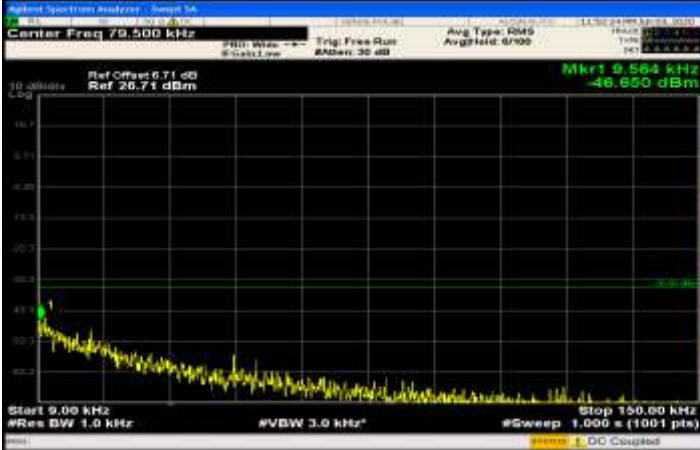

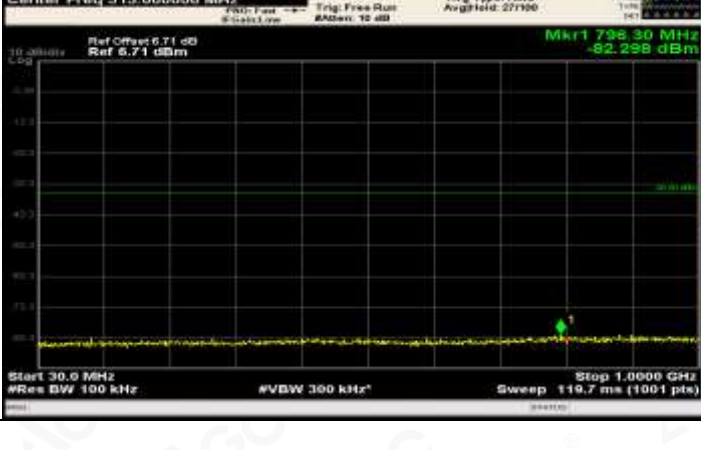
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	






Co-existence	
Co-existence	
Co-existence	
Additional	NA

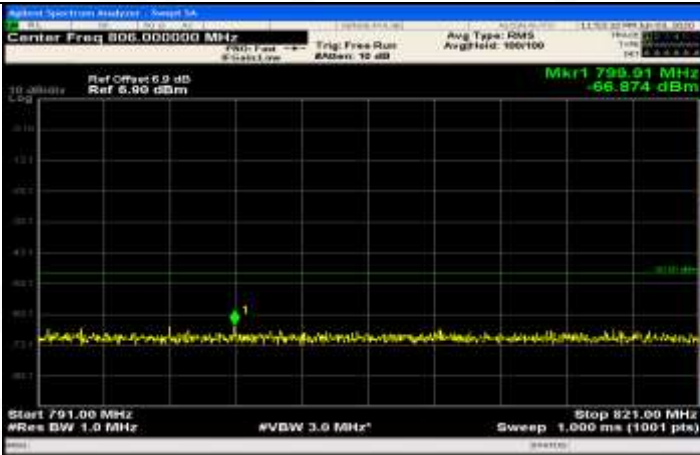
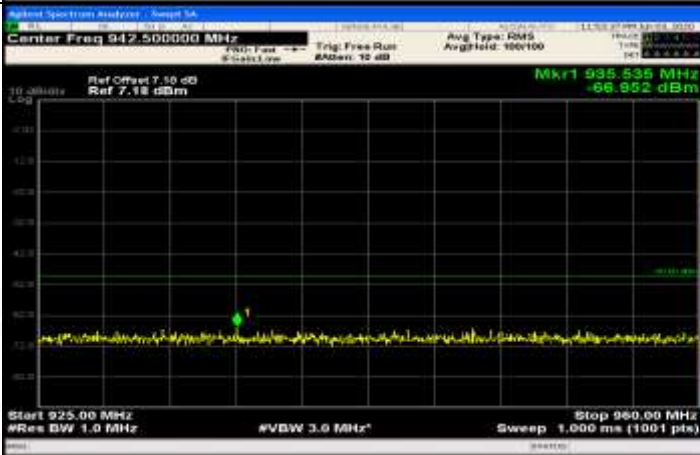
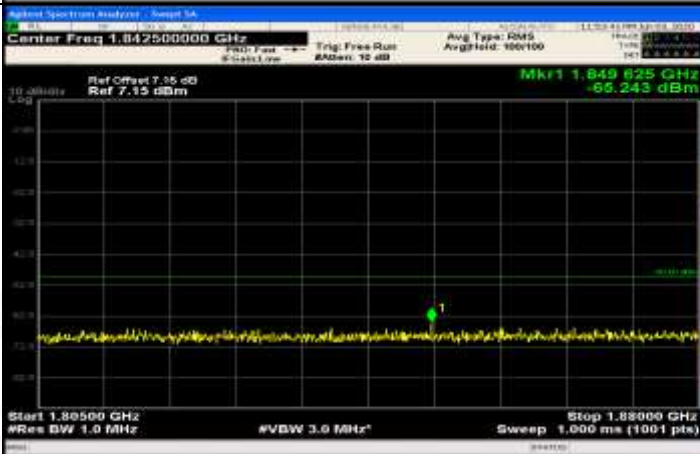
Channel Bandwidth= (20 MHz)

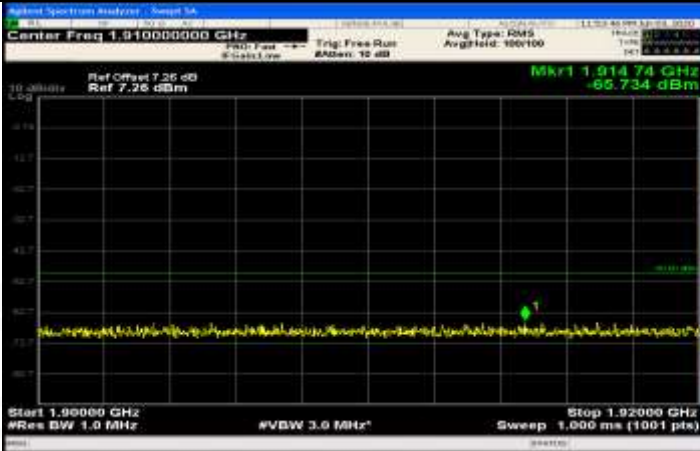
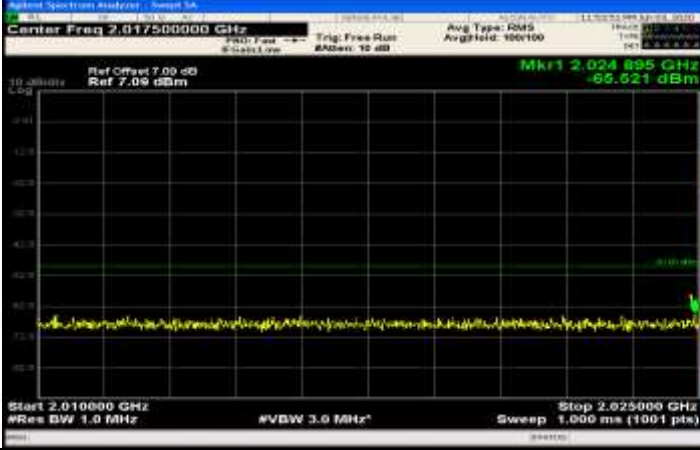

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0		
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz</p> <p>Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz</p> <p>Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.0000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Auto Mem</p> <p>Freq Offset 0 Hz</p>



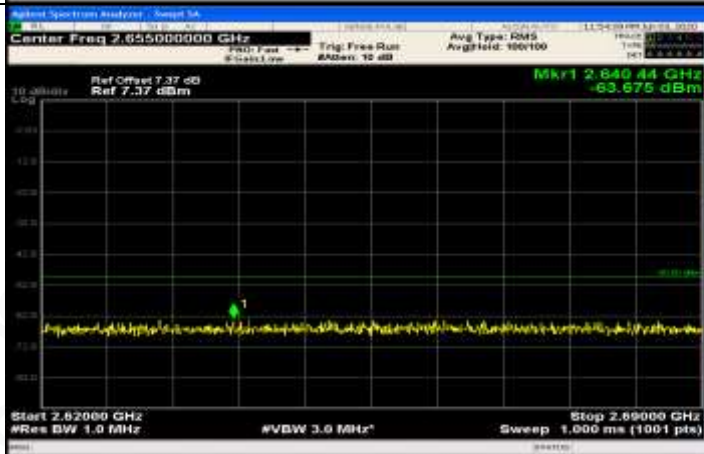


General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 1.737250000 GHz</p> <p>Ref Offset 7.50 dB Ref 7.19 dBm</p> <p>Mkr1 2.3418 GHz -66.983 dBm</p> <p>Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.4745 GHz Sweep 1.567 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.737250000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 2.474500000 GHz</p> <p>CF Step 147.450000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 3.772750000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 3.3187 GHz -67.471 dBm</p> <p>Start 2.548 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 5.000 GHz Sweep 4.133 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.772750000 GHz</p> <p>Start Freq 2.548000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 345.460000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 8.875000000 GHz</p> <p>Ref Offset 7.67 dB Ref 7.67 dBm</p> <p>Mkr1 12.24825 GHz -67.050 dBm</p> <p>Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 5.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

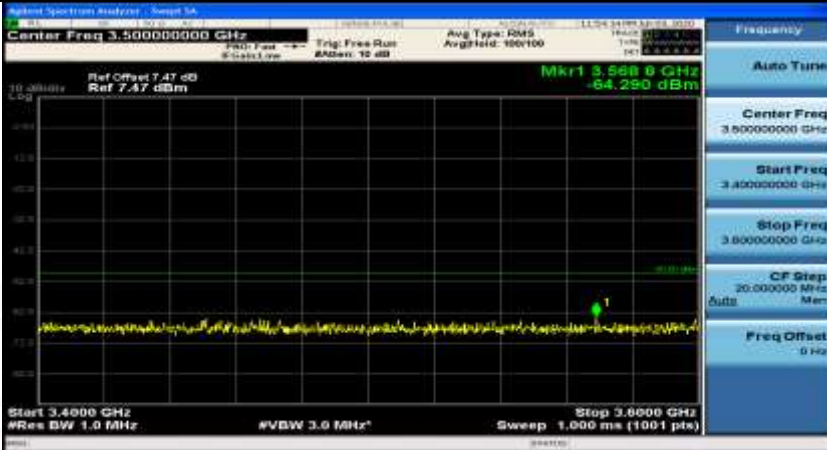


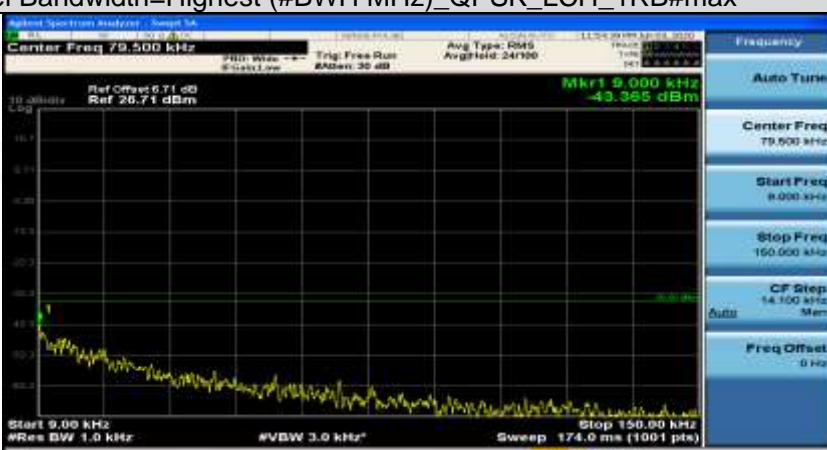
Co-existence	
Co-existence	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>



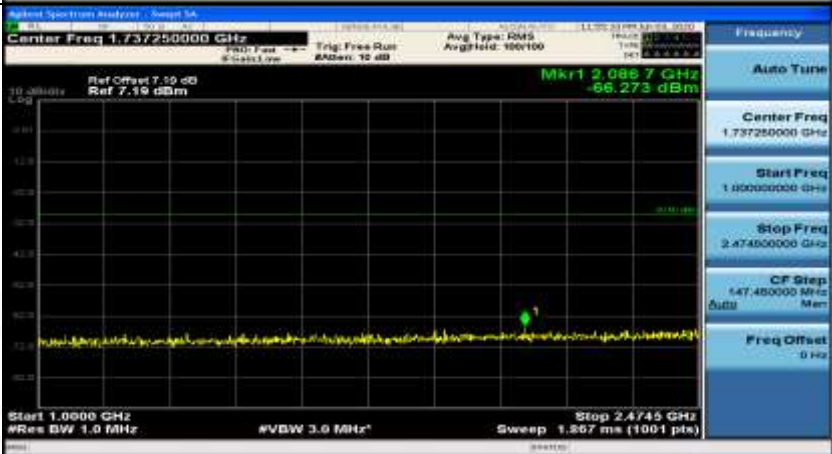
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Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.597500000 GHz</p> <p>Start Freq 2.575000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>

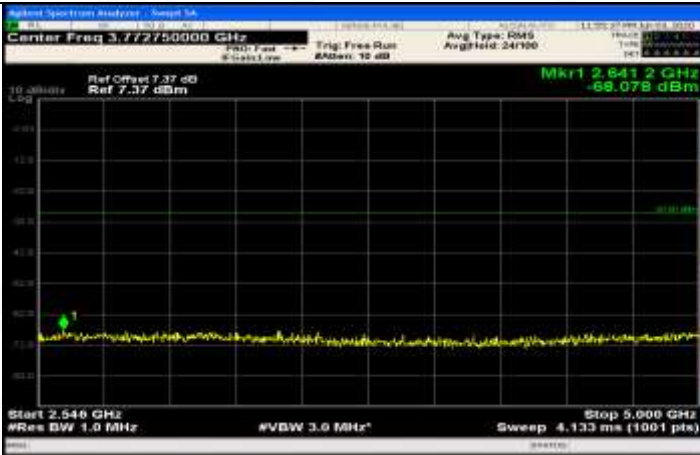

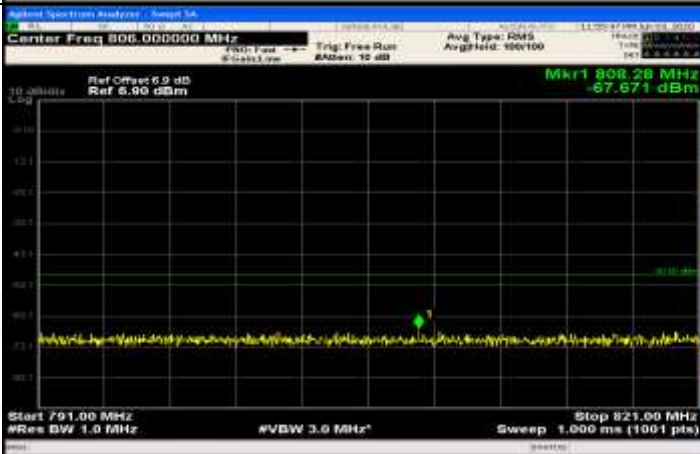


Co-existence	
Co-existence	
Additional	NA

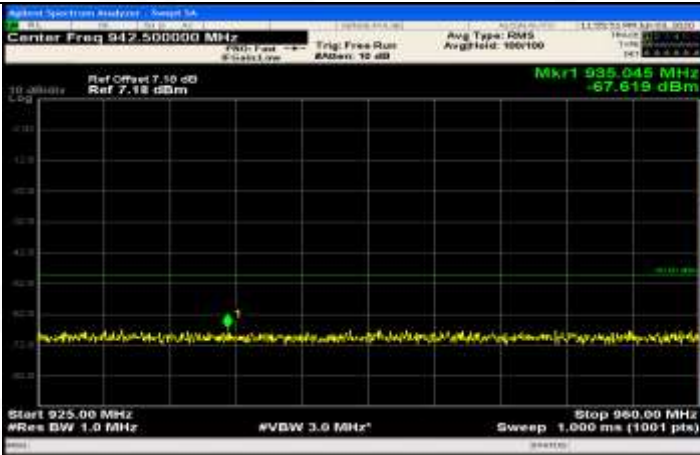
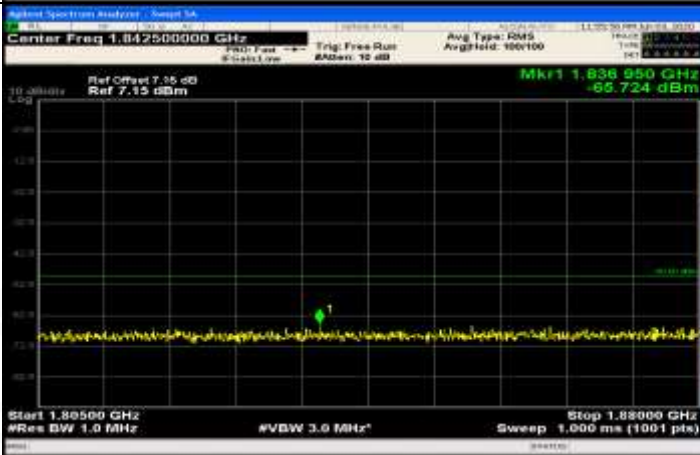
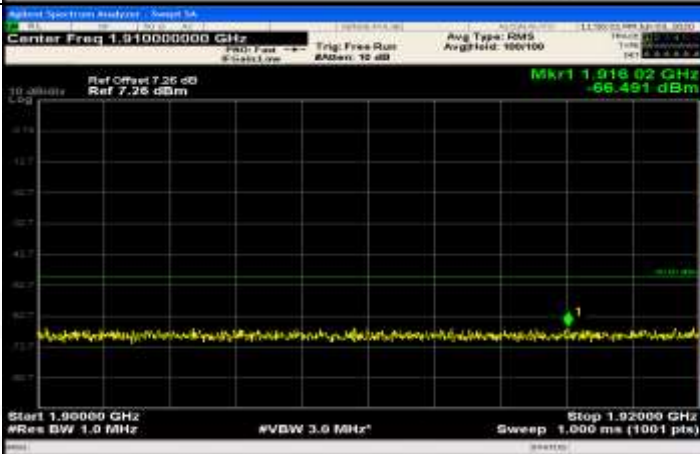
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General	

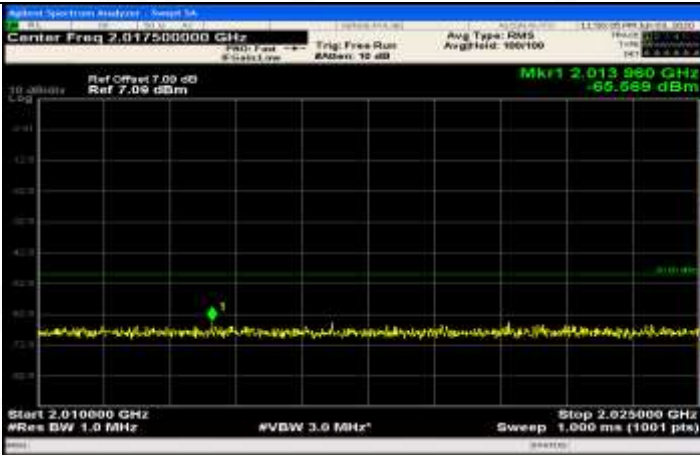
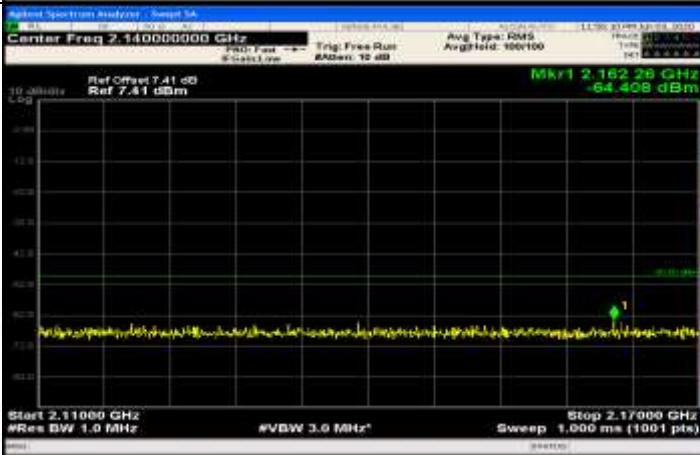



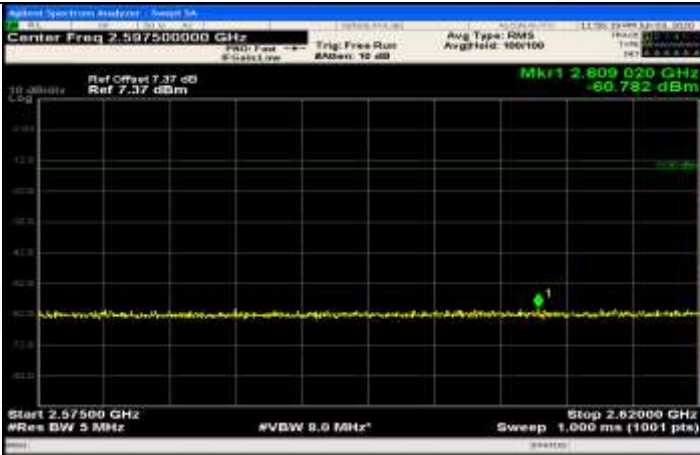
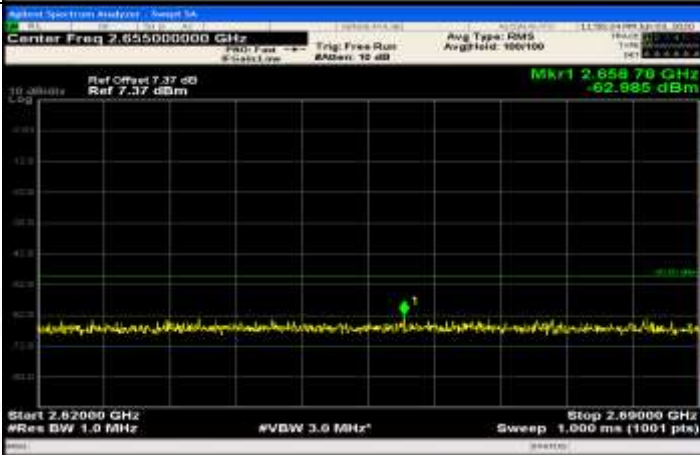
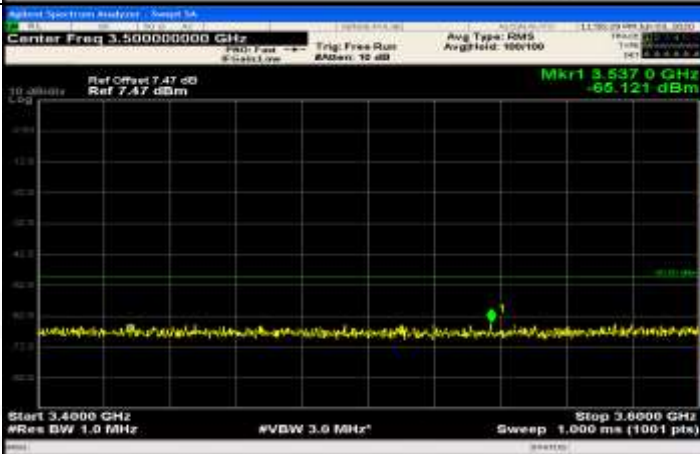
General	
General	
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General	
General	
Co-existence	

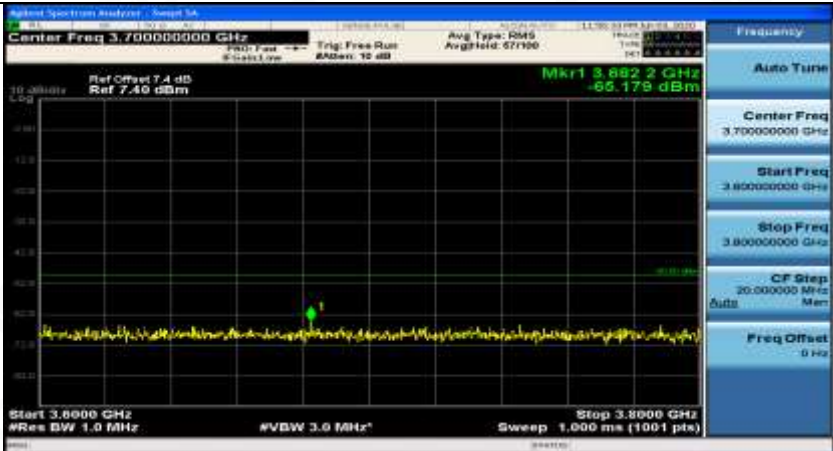


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	

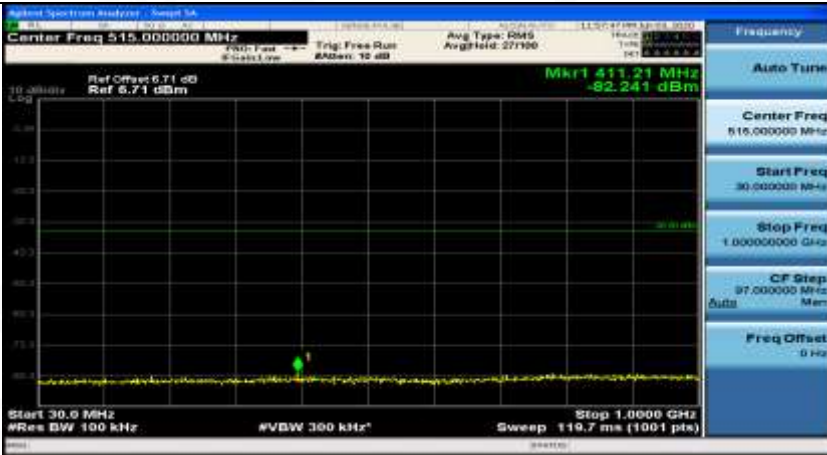


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.597500000 GHz</p> <p>Start Freq 2.575000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.450000000 GHz</p> <p>Stop Freq 3.600000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>


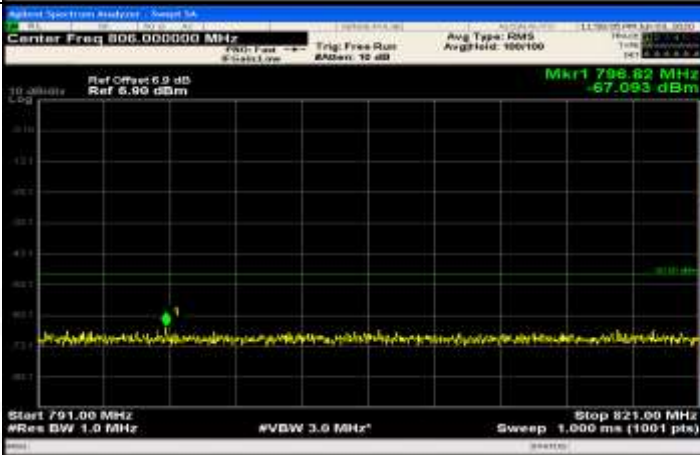



Co-existence	
Additional	NA

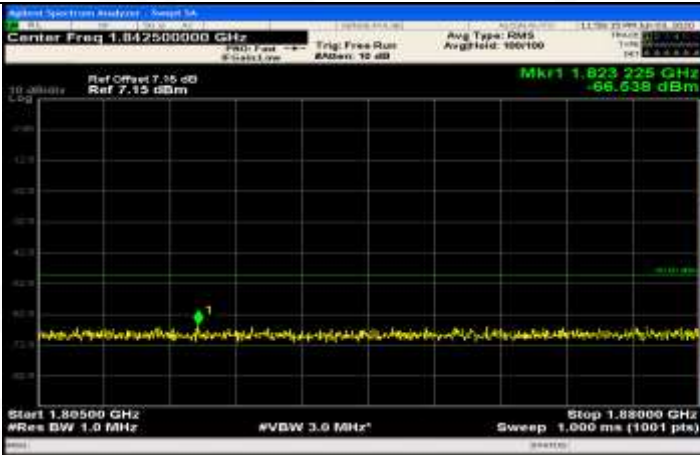
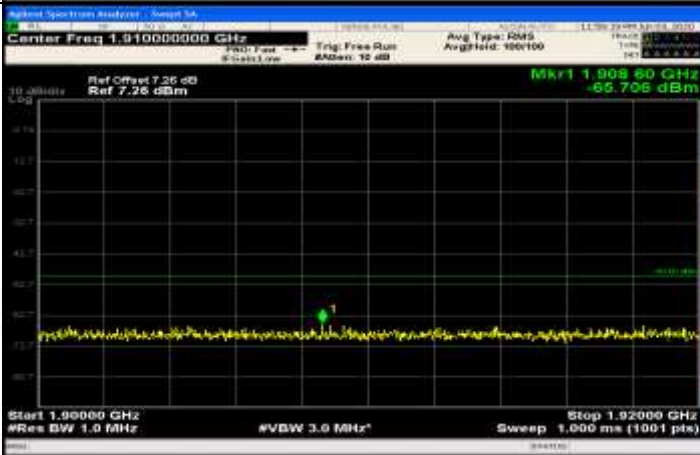
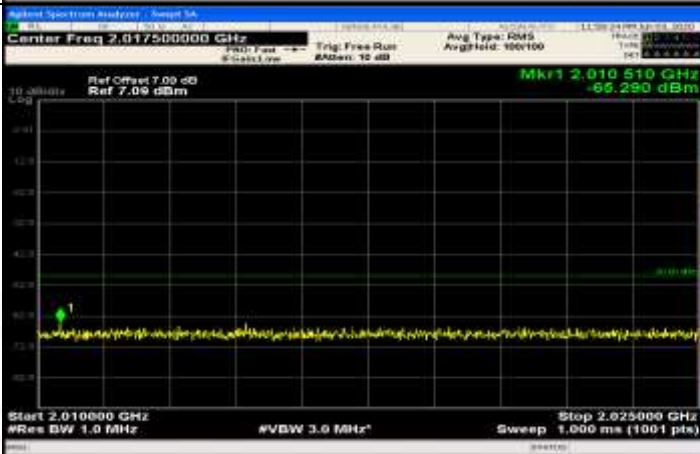
Channel Bandwidth=Highest (20 MHz)\_QPSK\_LCH\_FullRB#0

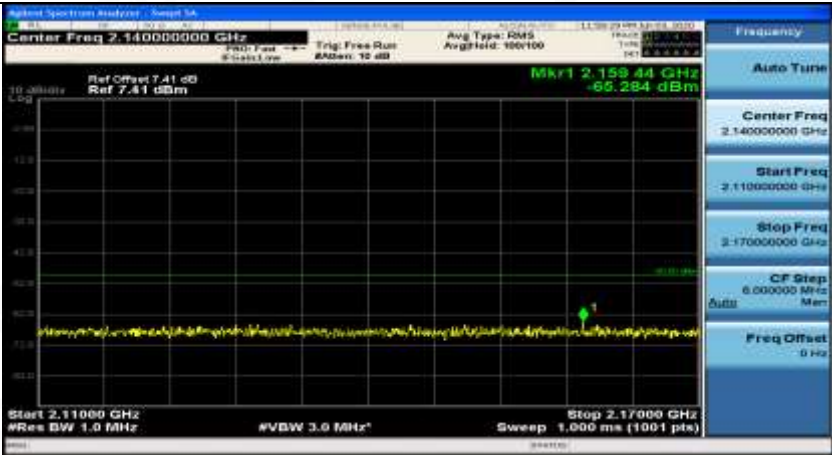

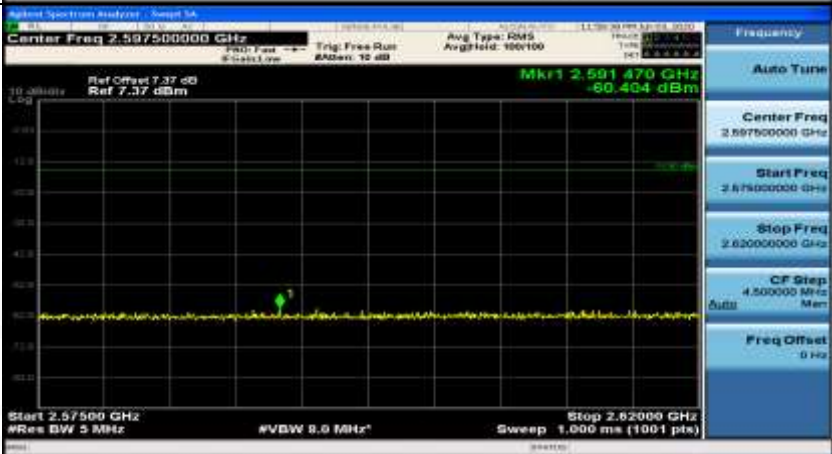
General	
General	

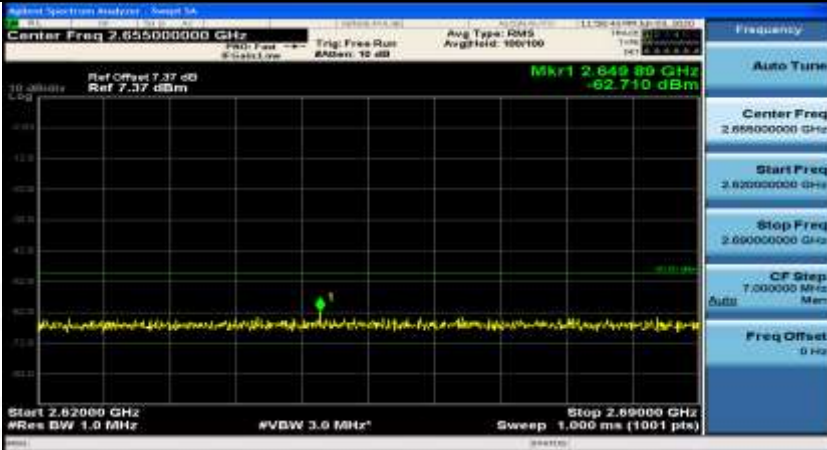
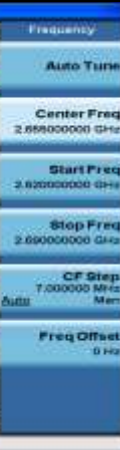
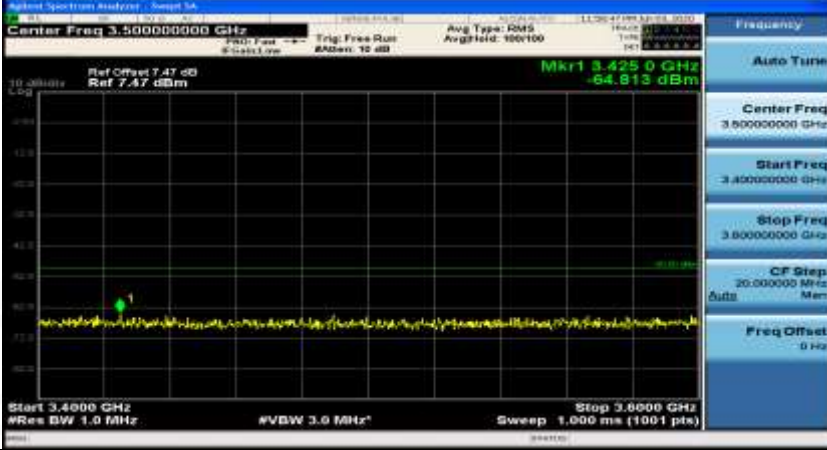

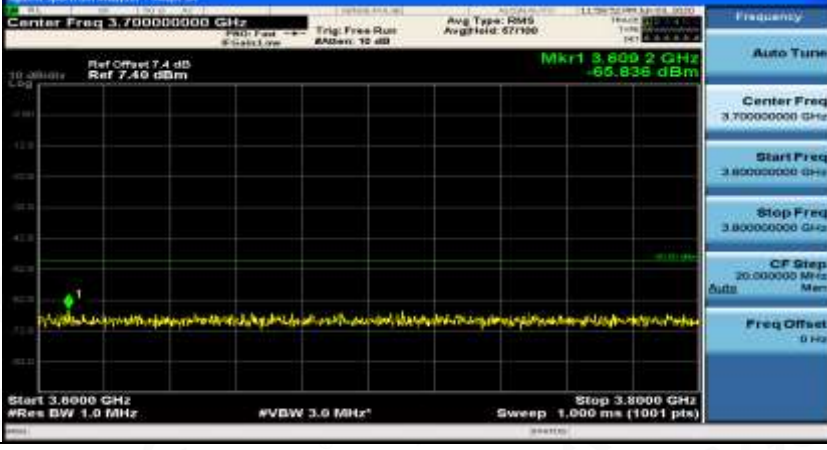
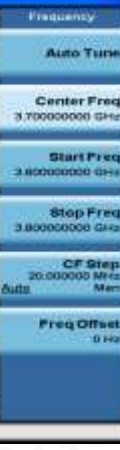
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 411.21 MHz -82.241 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 100 kHz Stop 1.000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.73725000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 1.9540 GHz -66.692 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.4745 GHz Sweep 1.867 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.77275000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 4.9313 GHz -67.645 dBm Start 2.546 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 4.133 ms (1001 pts)</p>

General	
Co-existence	
Co-existence	



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



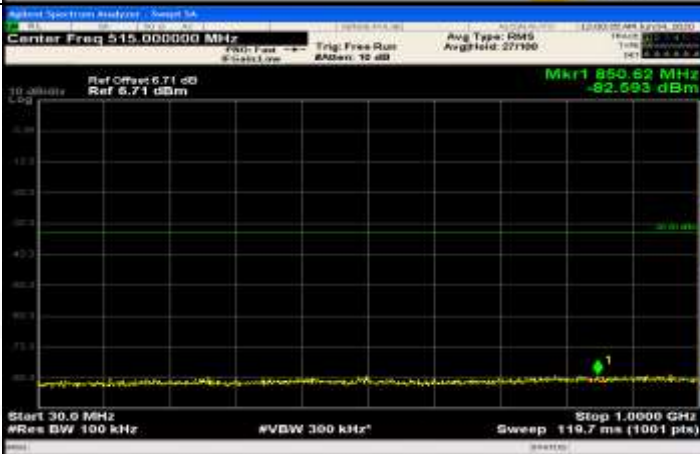
Co-existence	
Co-existence	
Co-existence	

Co-existence		
Co-existence		
Co-existence		
Additional	NA	

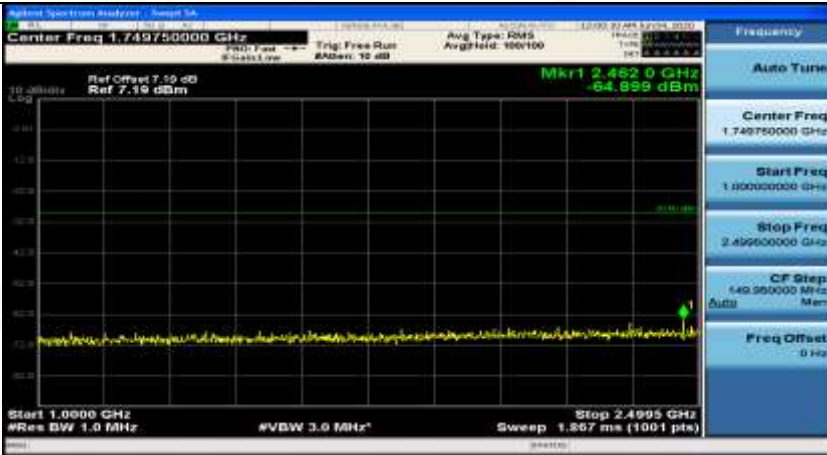


Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

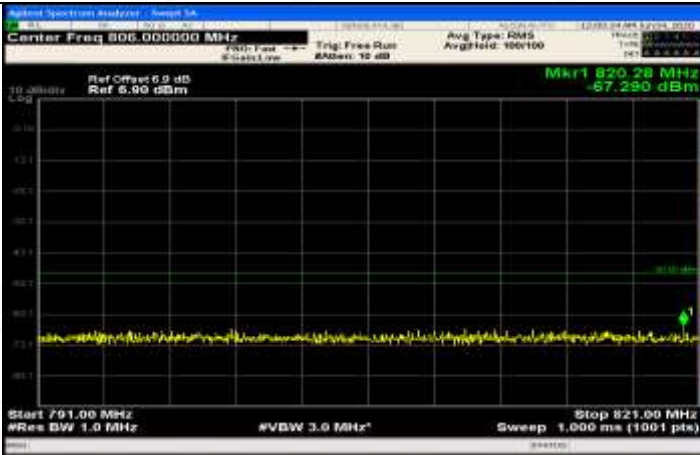
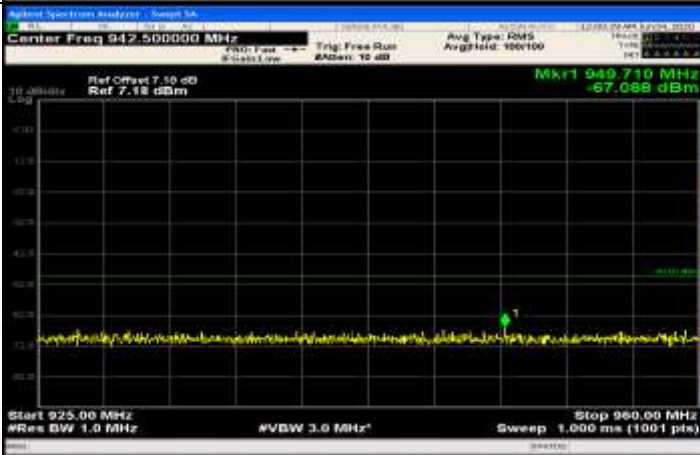
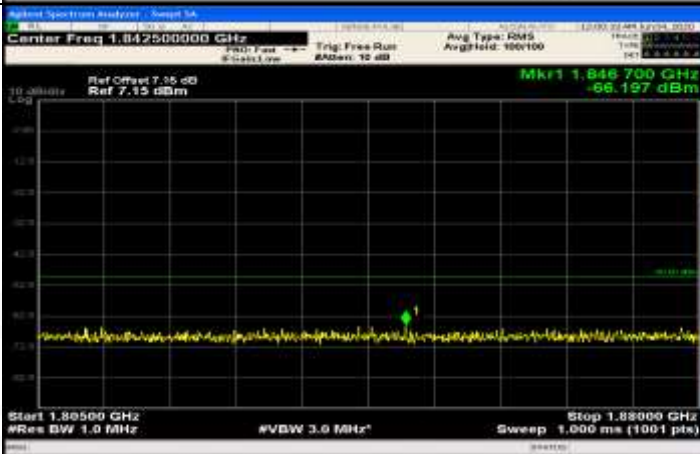




General	
General	
General	

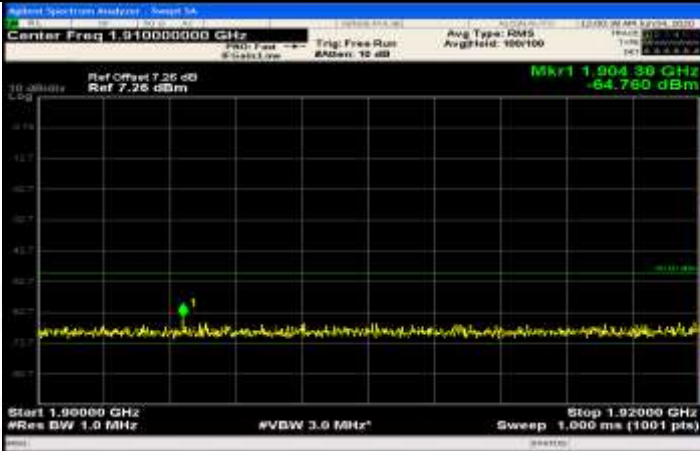
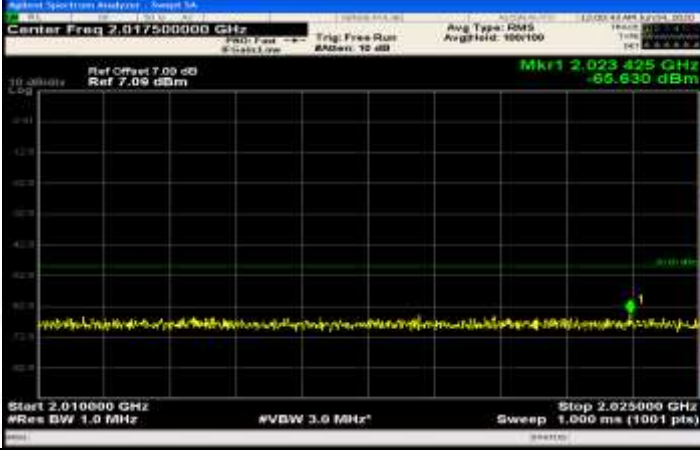
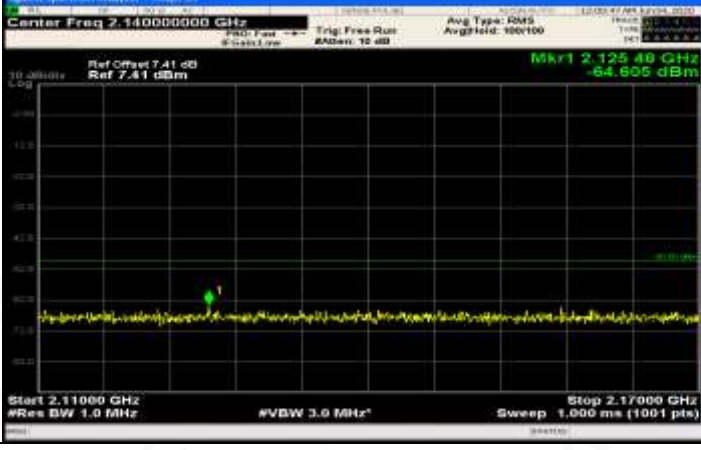


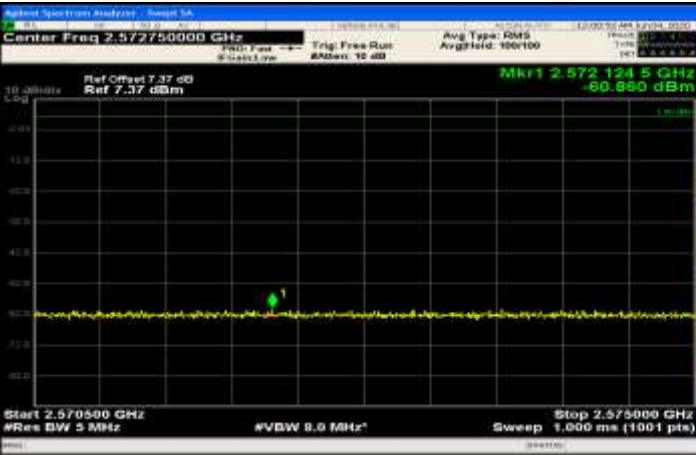
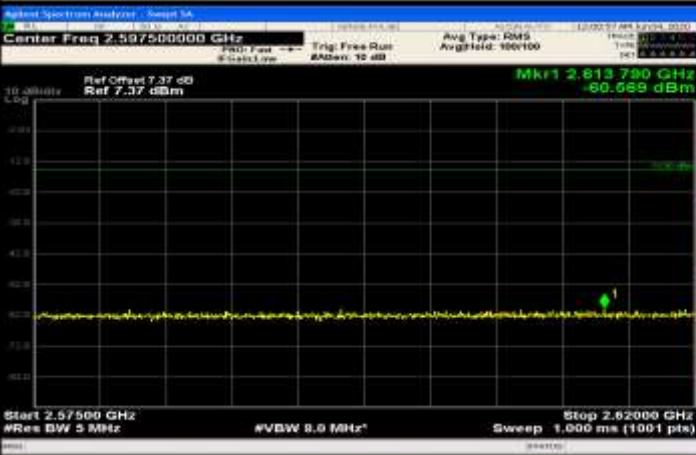
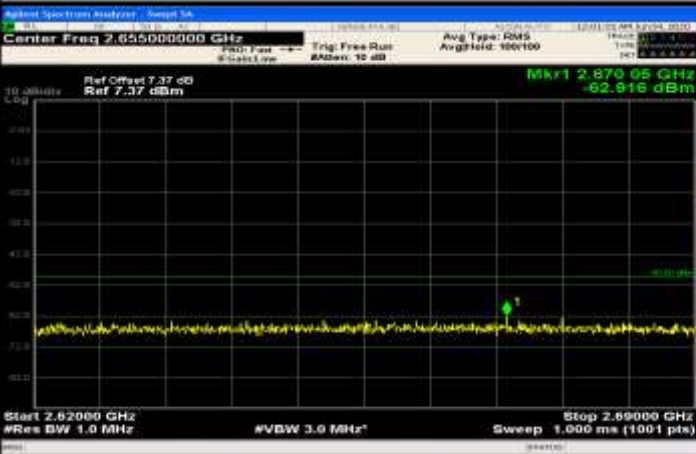
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.749750000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 2.4620 GHz -64.899 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.4995 GHz Sweep 1.567 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.785250000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 3.3300 GHz -67.907 dBm Start 2.5710 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.0000 GHz Sweep 4.067 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.18100 GHz -69.035 dBm Start 5.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>

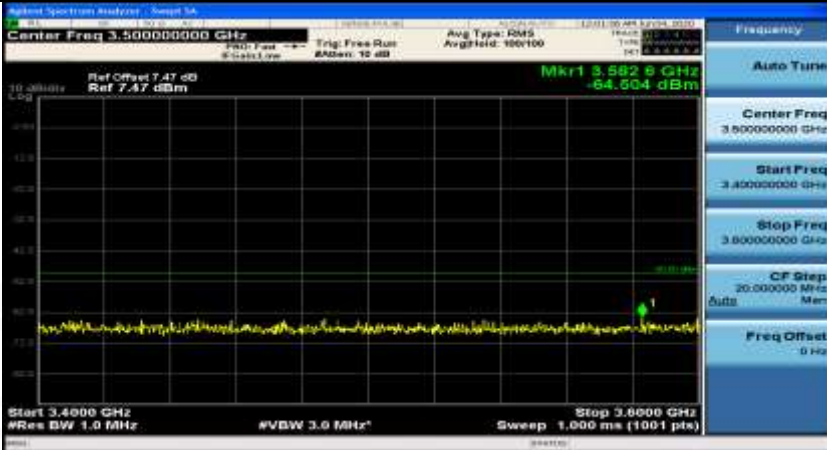
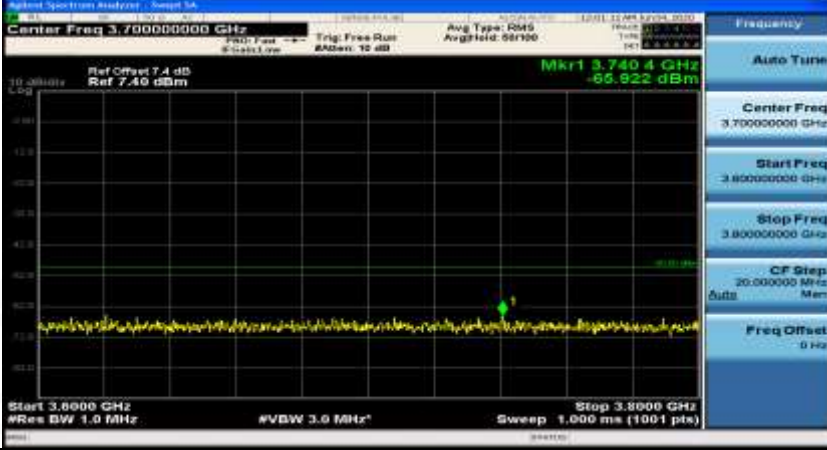
Co-existence	
Co-existence	
Co-existence	

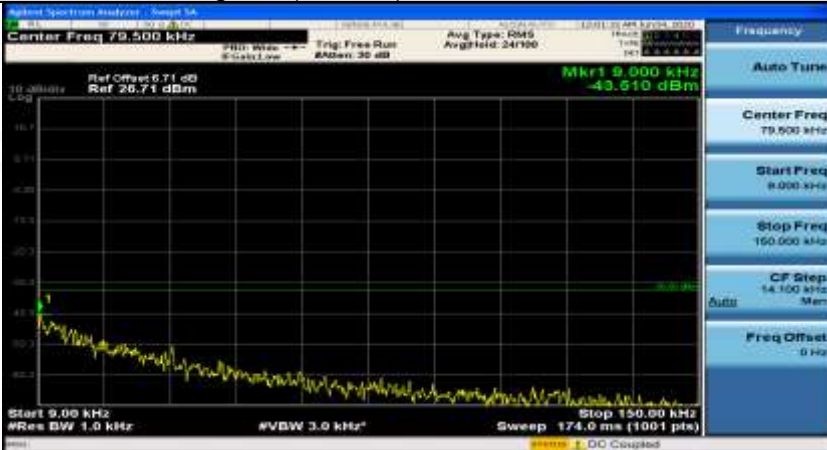




Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>


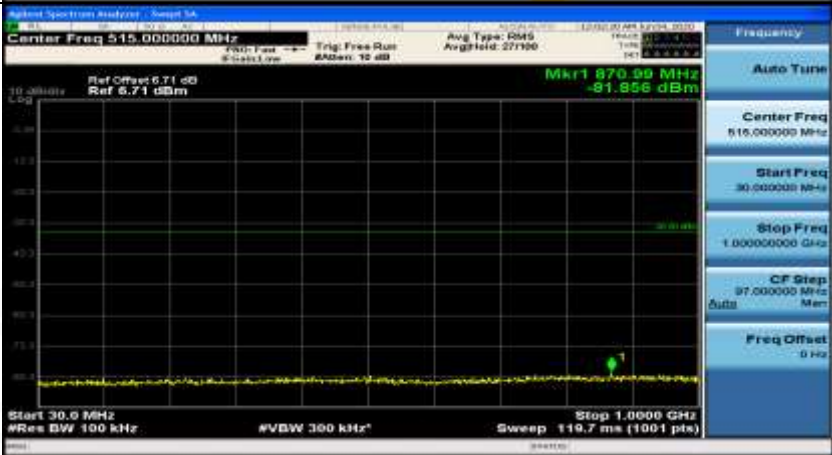
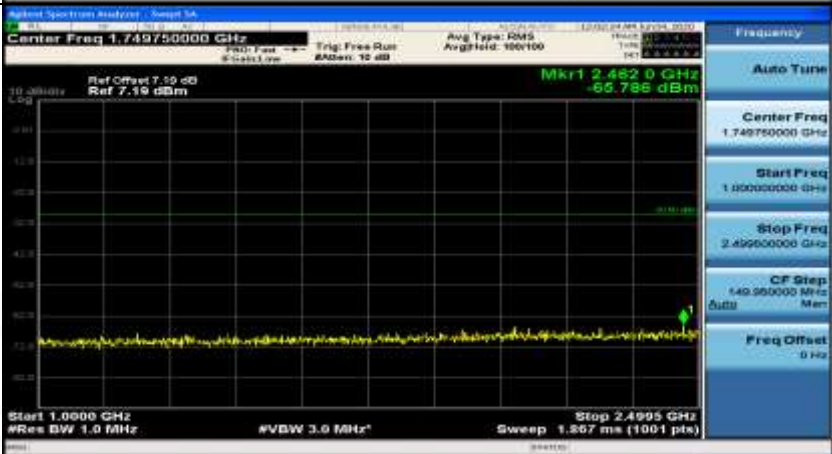
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.572750000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.575000000 GHz</p> <p>CF Step 400.000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.597500000 GHz</p> <p>Start Freq 2.575000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>

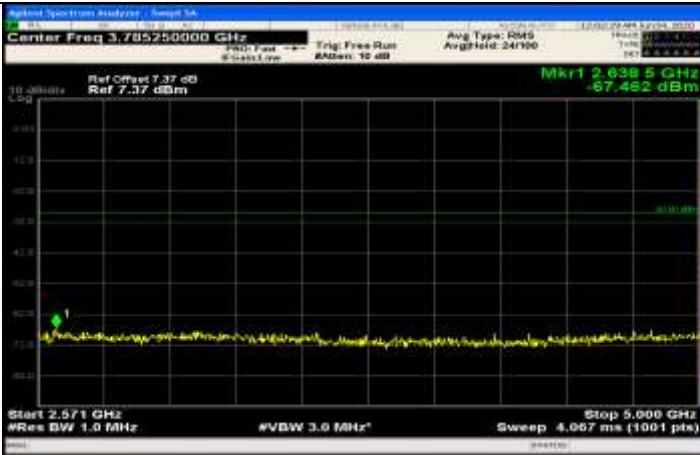

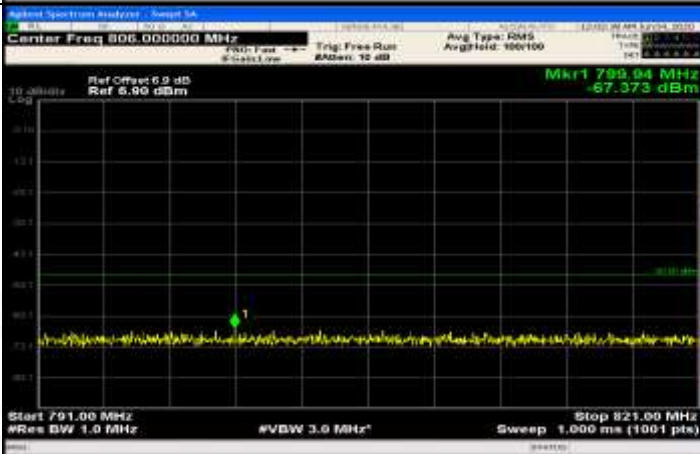
Co-existence		Frequency Auto Tune Center Freq 3.50000000 GHz Start Freq 3.40000000 GHz Stop Freq 3.60000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Co-existence		Frequency Auto Tune Center Freq 3.70000000 GHz Start Freq 3.60000000 GHz Stop Freq 3.80000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Additional	NA	

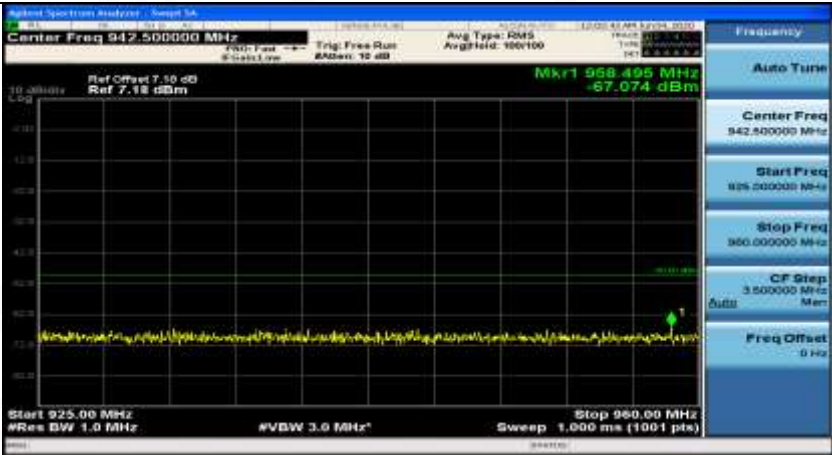
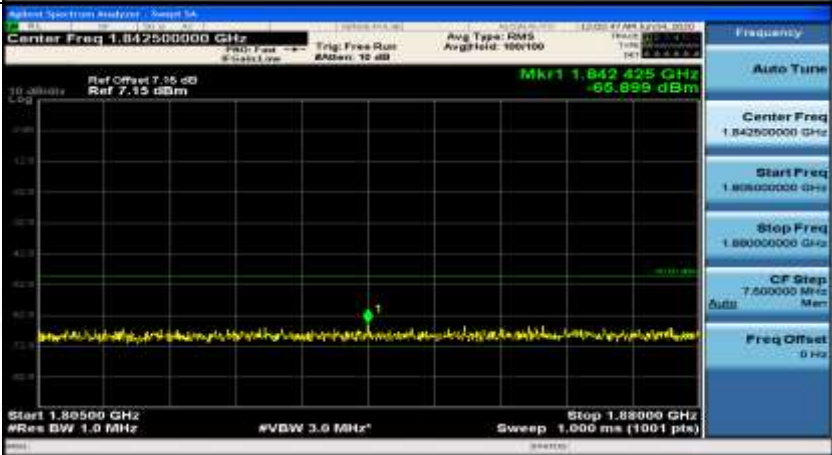
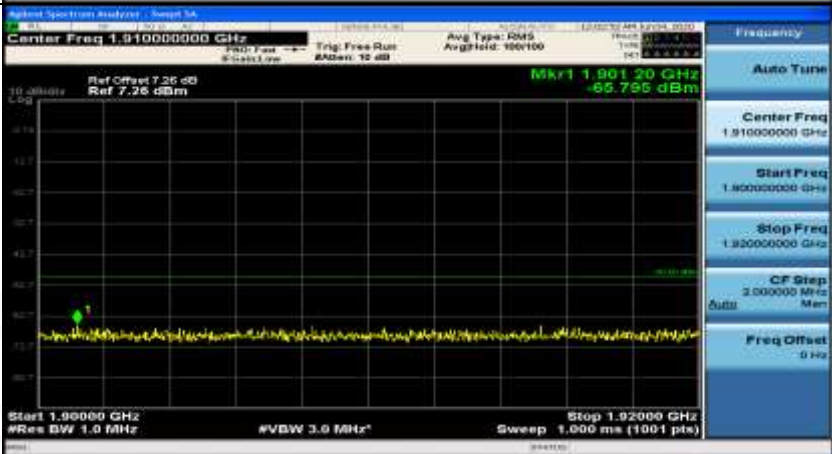
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max		
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 0.000 kHz Stop Freq 150.000 kHz CF Step 14.100 kHz Auto Mem Freq Offset 0 Hz



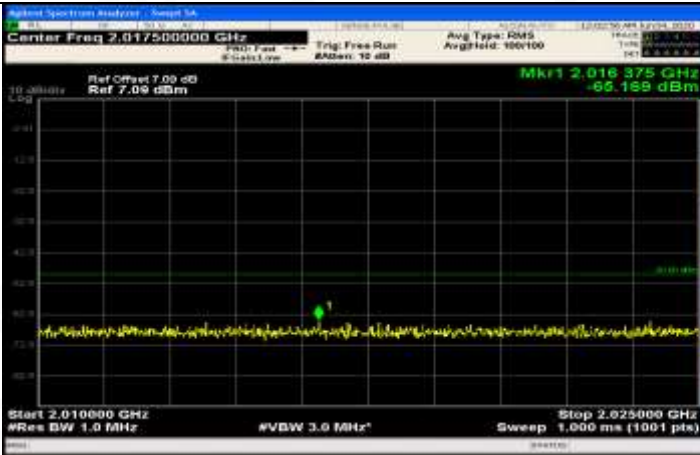
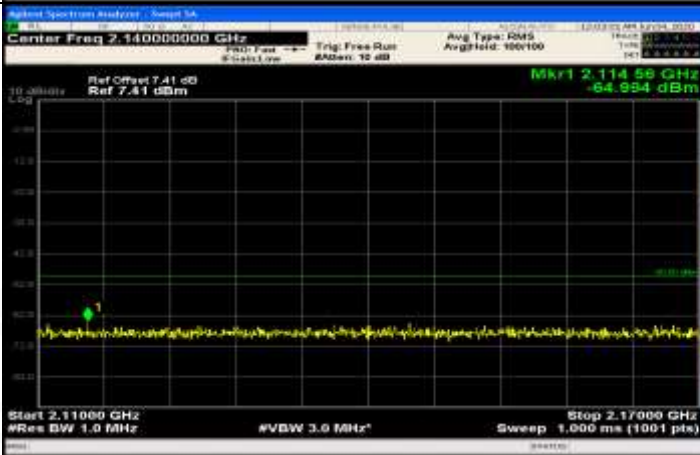
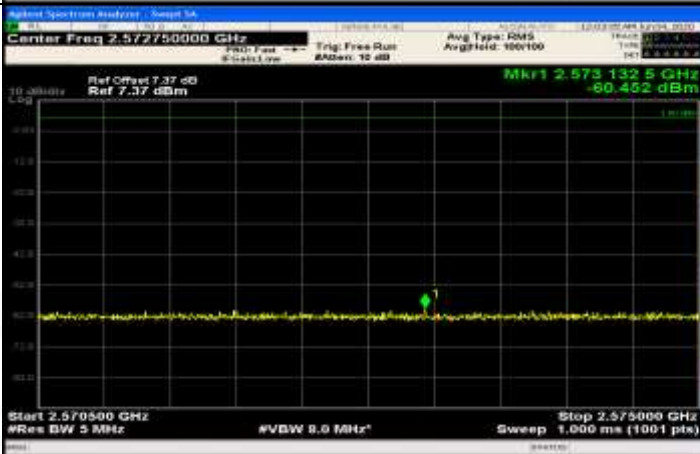


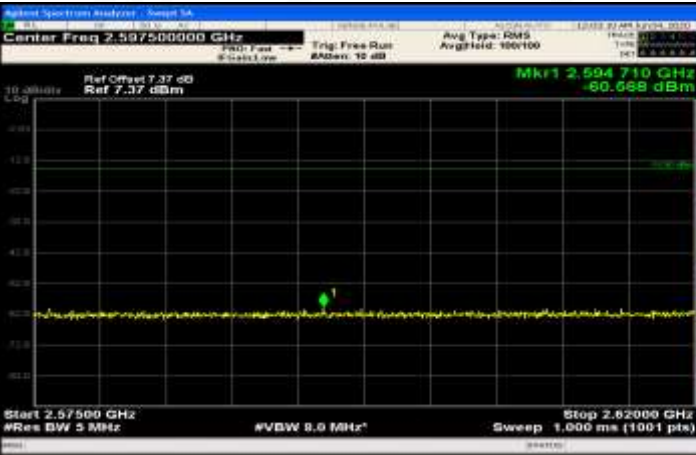
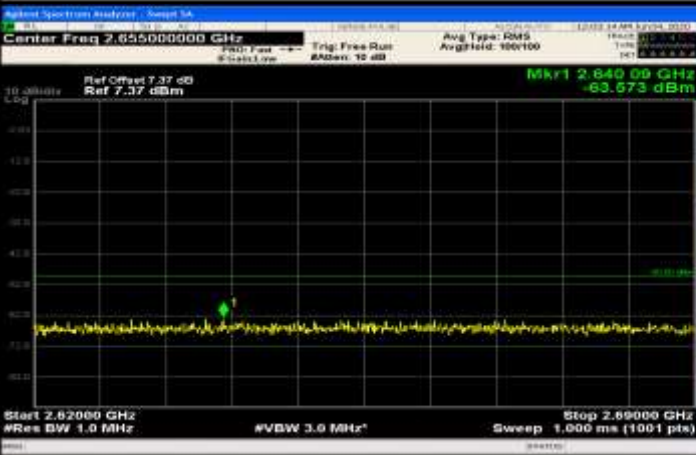
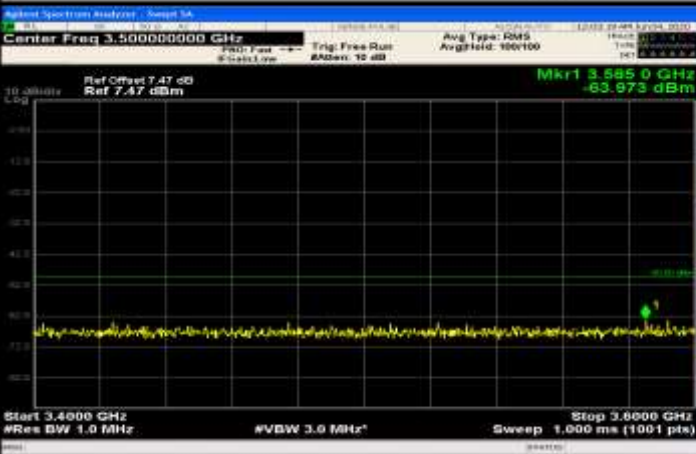
General	
General	
General	

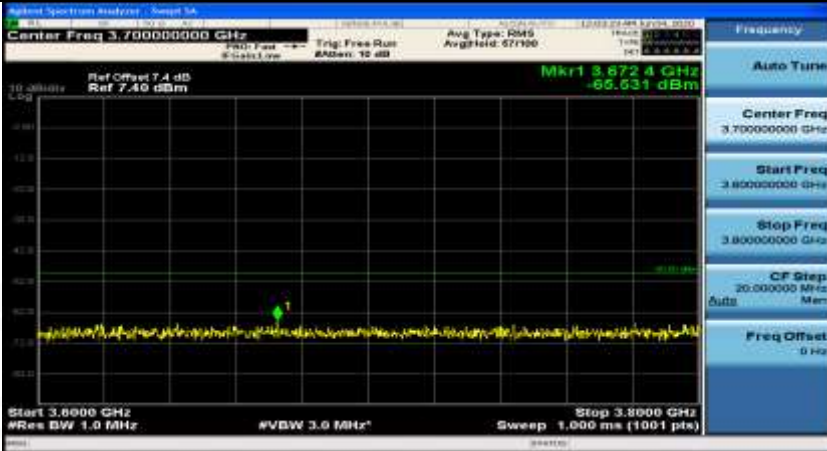
General	
General	
Co-existence	

Co-existence		
Co-existence		
Co-existence		



Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.01750000 GHz</p> <p>Ref Offset 7.00 dB Ref 7.00 dBm</p> <p>Mkr1 2.016375 GHz -66.189 dBm</p> <p>Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.14000000 GHz</p> <p>Ref Offset 7.41 dB Ref 7.41 dBm</p> <p>Mkr1 2.11456 GHz -64.984 dBm</p> <p>Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.57275000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.5751325 GHz -60.452 dBm</p> <p>Start 2.570500 GHz #Res BW 5 MHz #VBW 5.0 MHz</p> <p>Stop 2.575000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.57275000 GHz</p> <p>Start Freq 2.57050000 GHz</p> <p>Stop Freq 2.57500000 GHz</p> <p>CF Step 450.000 kHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

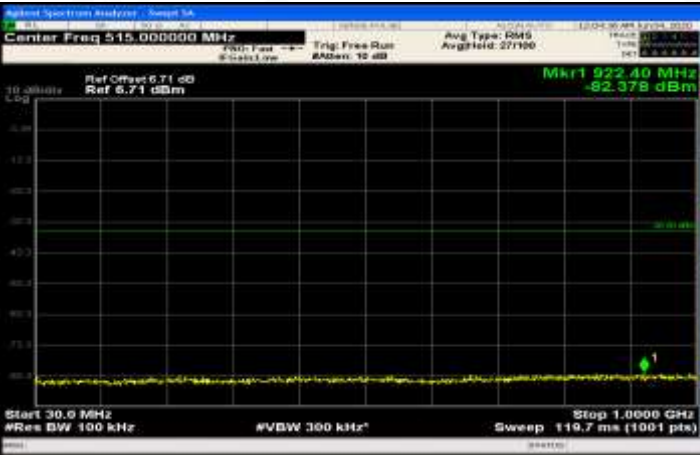
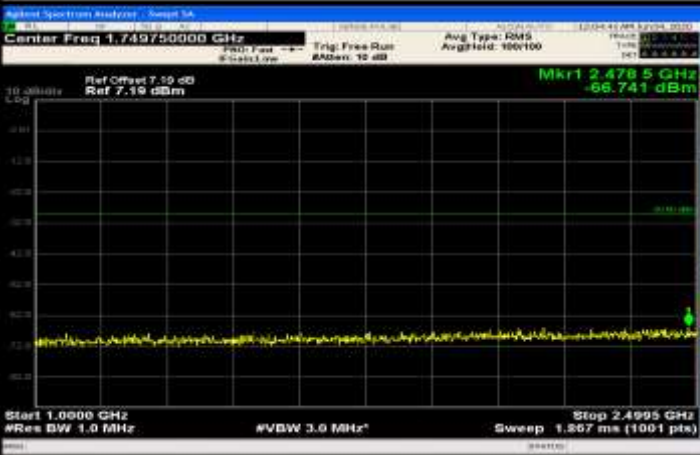
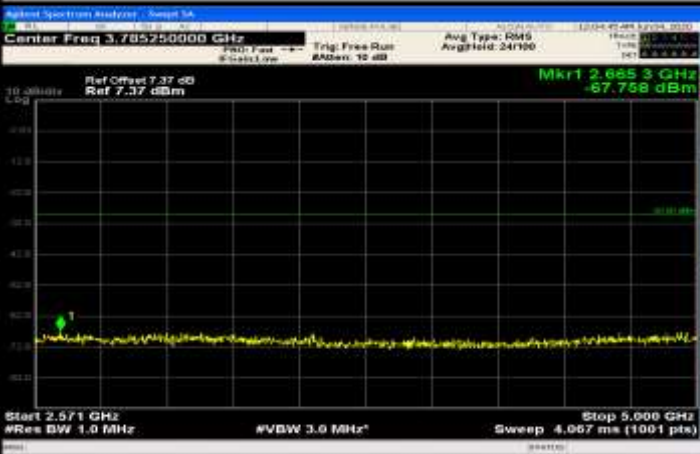
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.597500000 GHz</p> <p>Start Freq 2.575000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.450000000 GHz</p> <p>Stop Freq 3.600000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

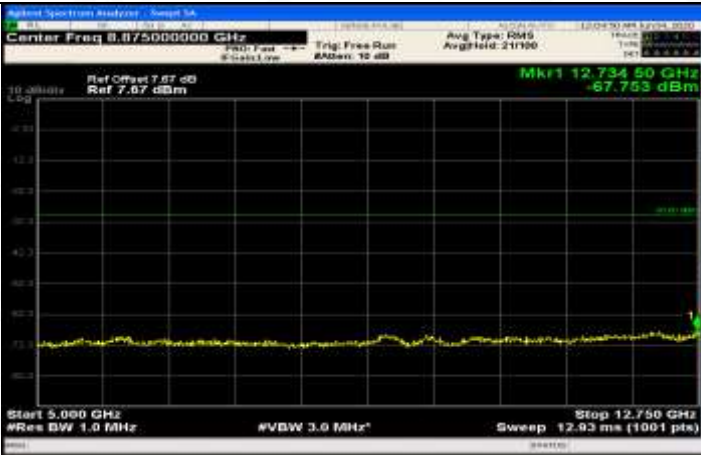
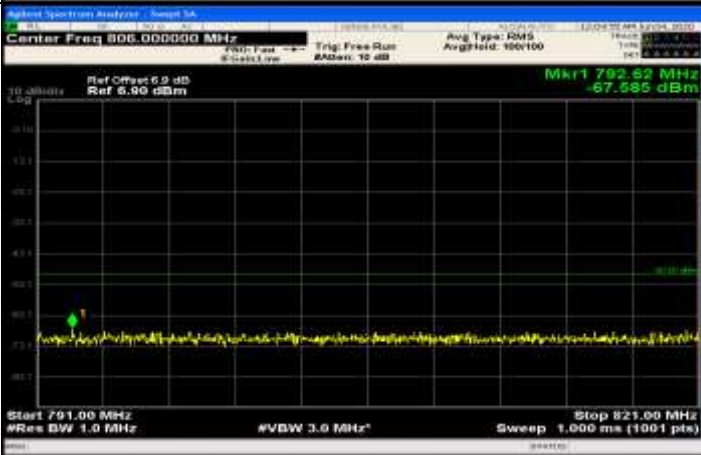
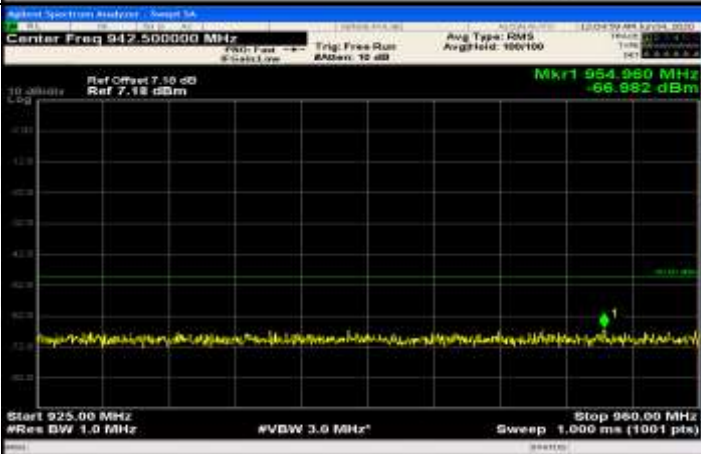
Co-existence	
Additional	NA

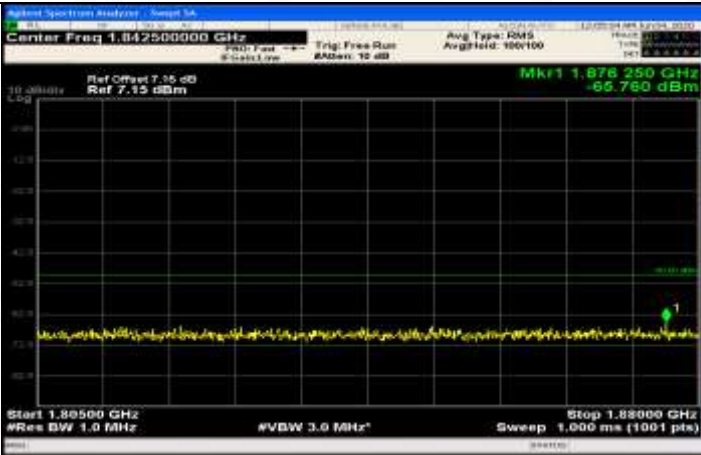
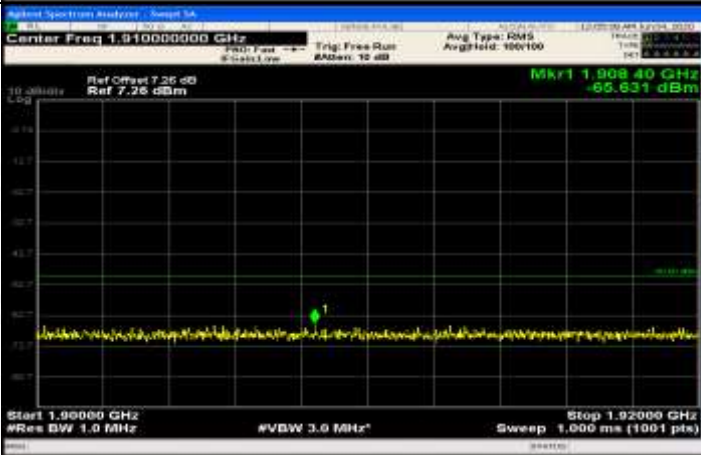
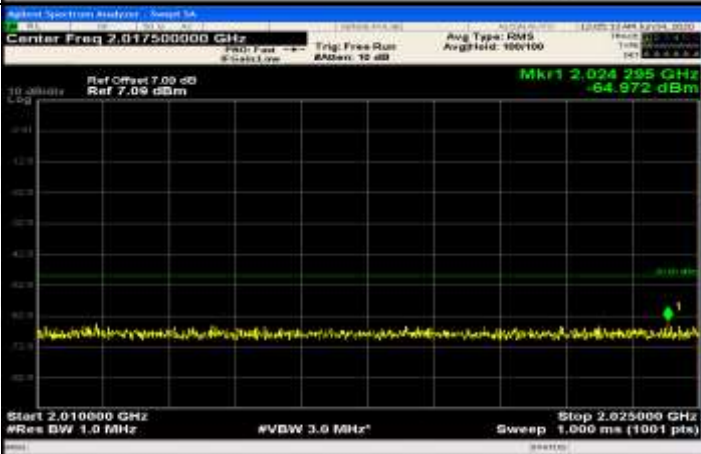
Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_FullIRB#0

General	
General	

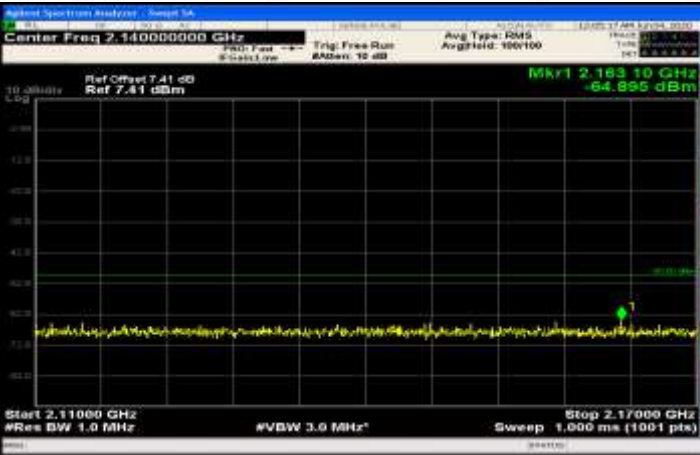




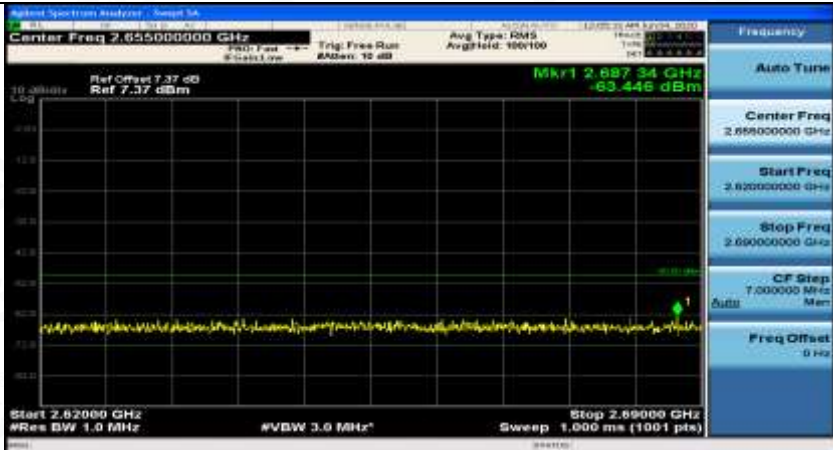
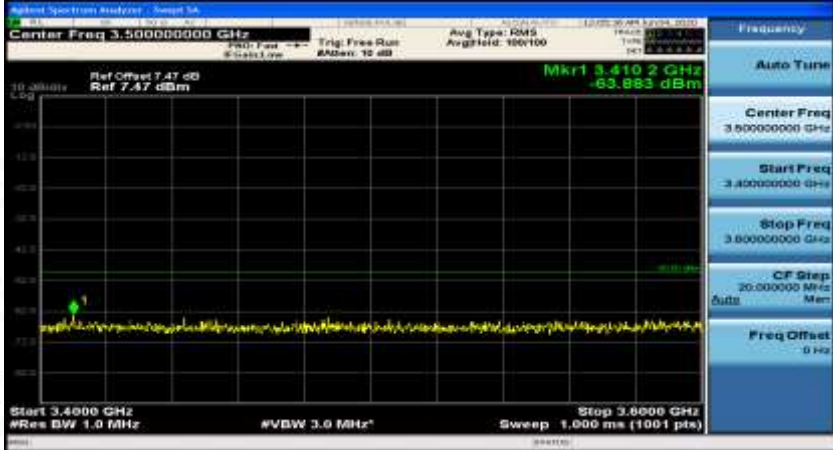

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.15.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 97.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.749750000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 2.49950000 GHz</p> <p>CF Step 140.950000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.785250000 GHz</p> <p>Start Freq 3.67000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 242.950000 MHz</p> <p>Freq Offset 0 Hz</p>

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 781.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>

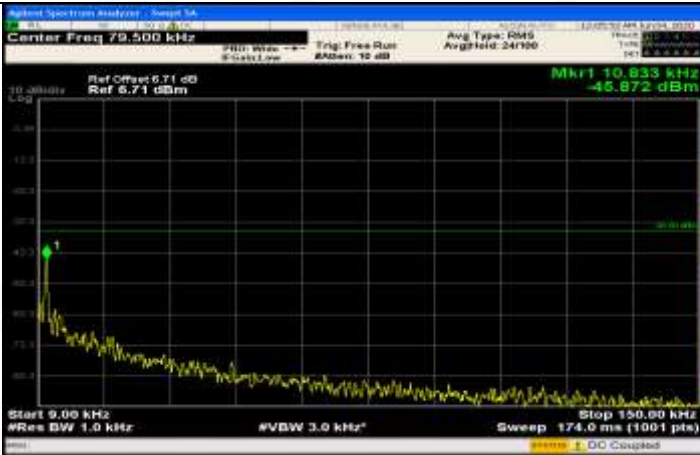

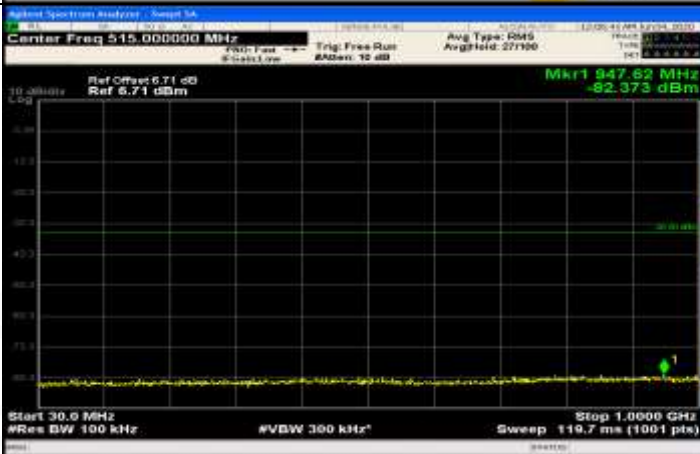


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.57275000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.57500000 GHz</p> <p>CF Step 480.000 kHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59750000 GHz</p> <p>Start Freq 2.57500000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 4.500000 MHz</p> <p>Freq Offset 0 Hz</p>

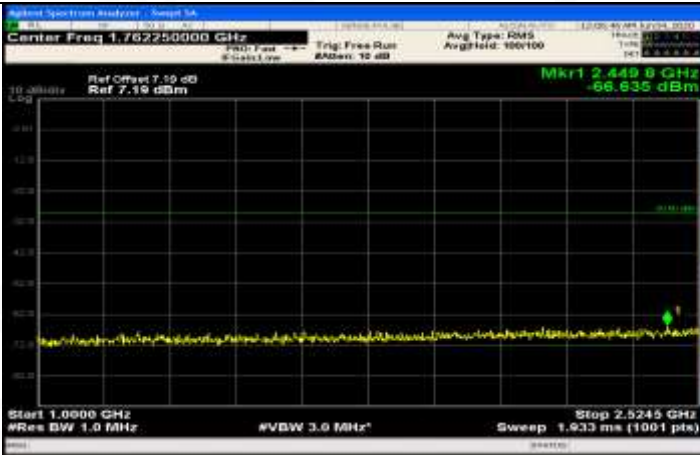


Co-existence	
Co-existence	
Co-existence	
Additional	NA

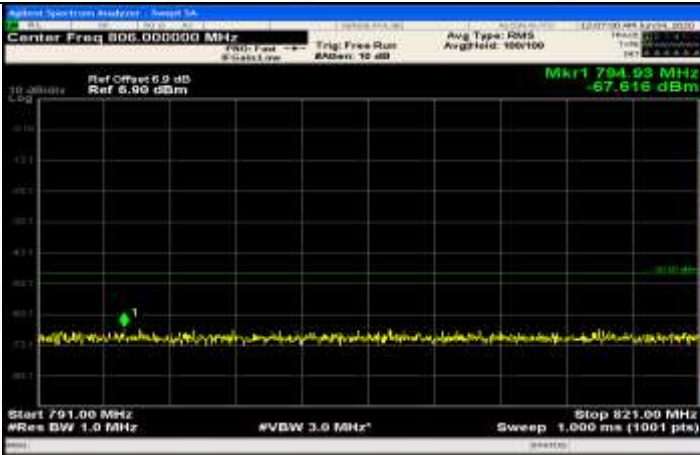
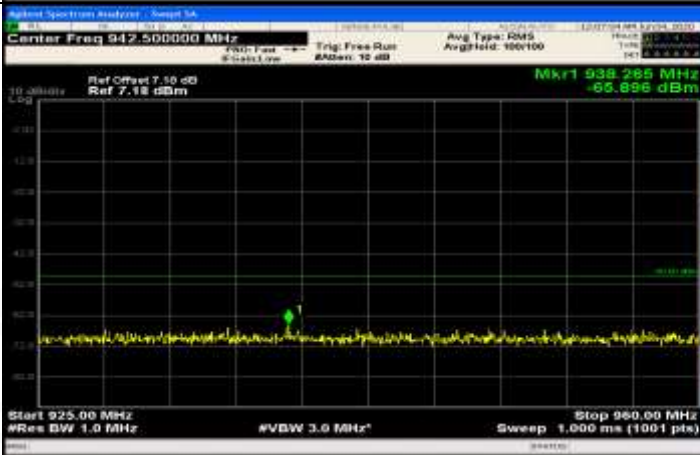
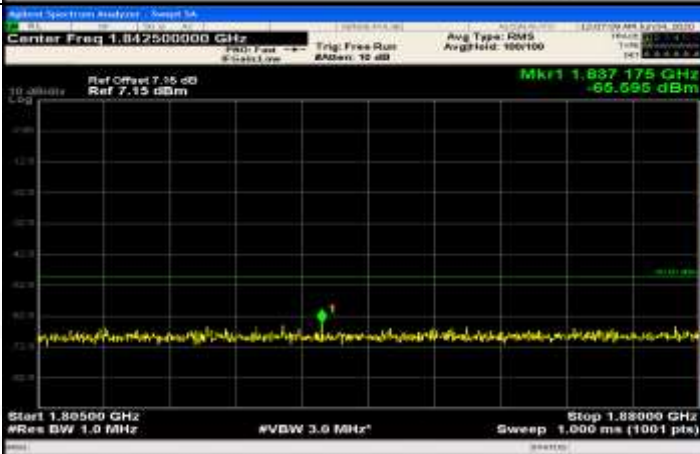
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0

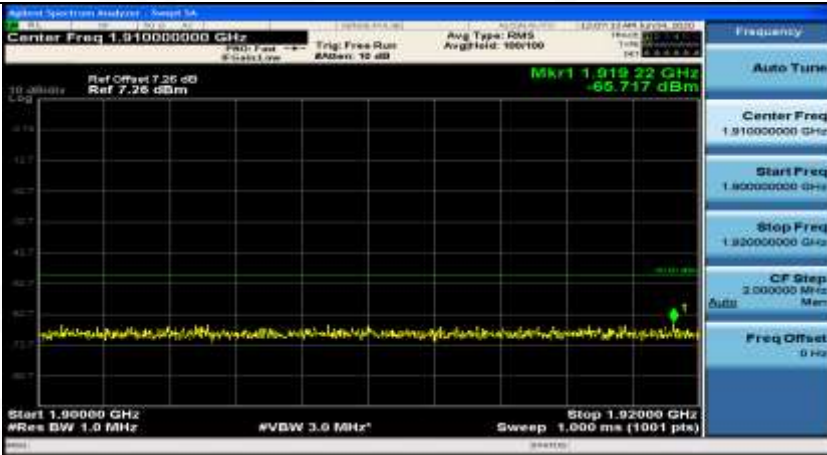
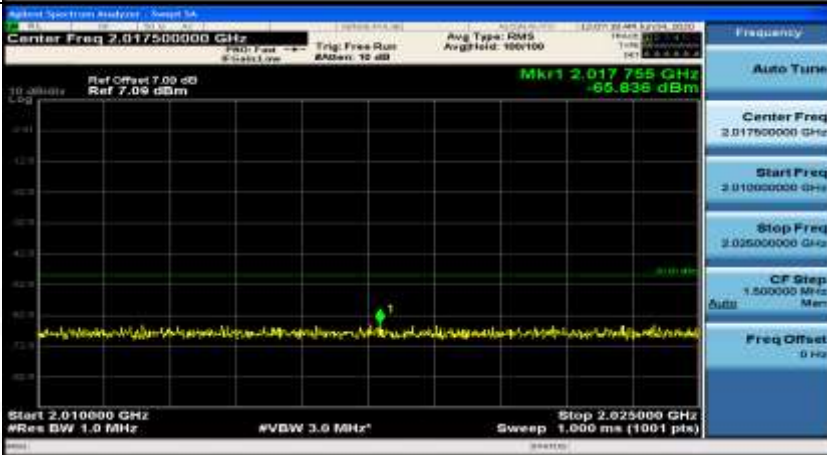
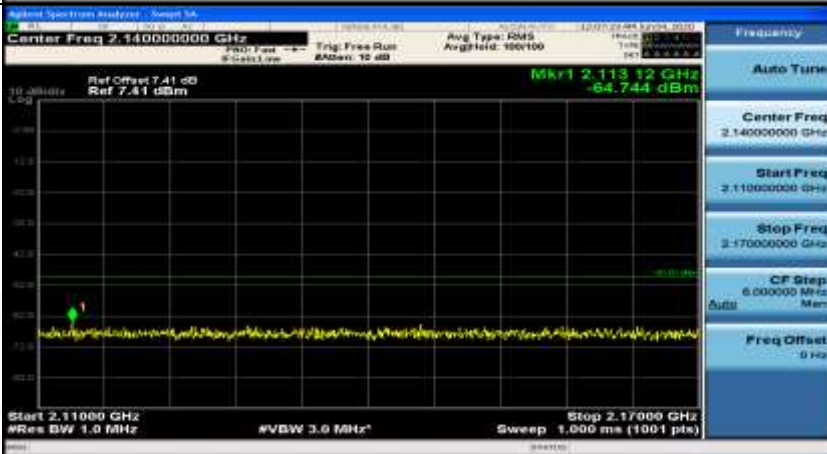


General		
General		
General		

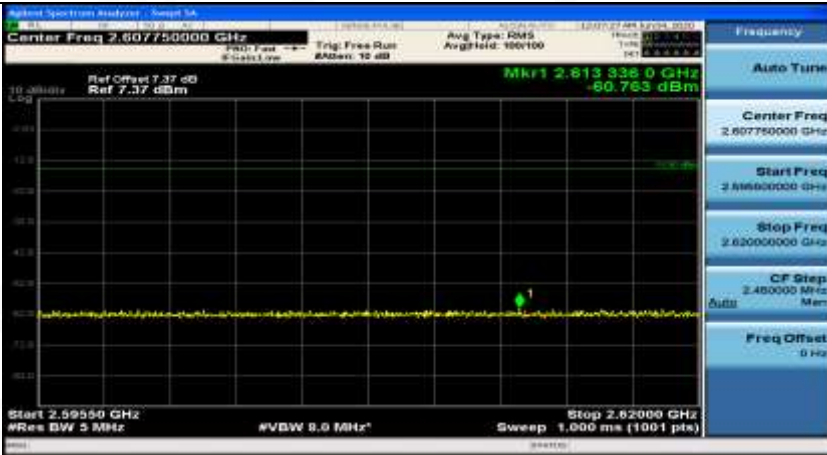
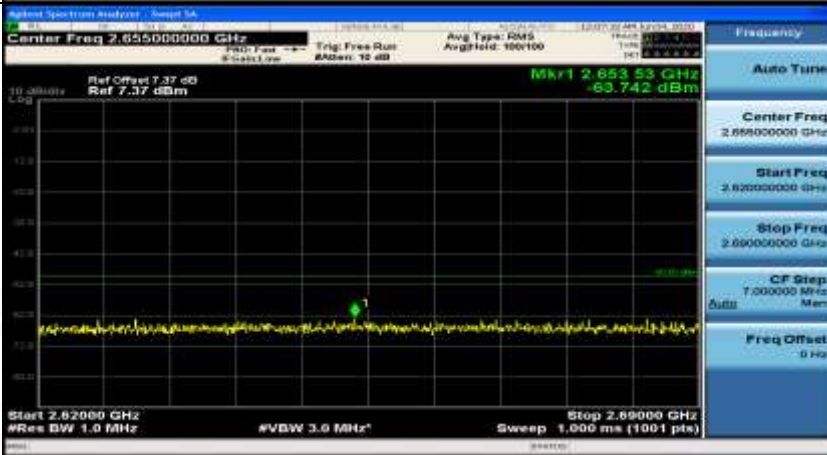
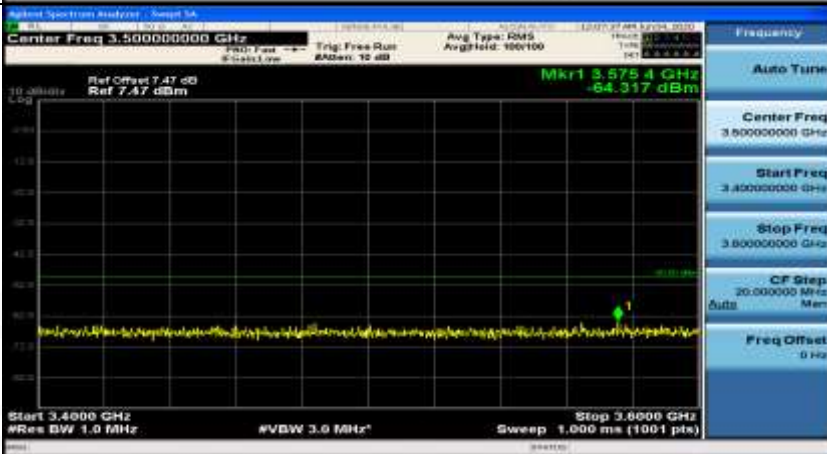


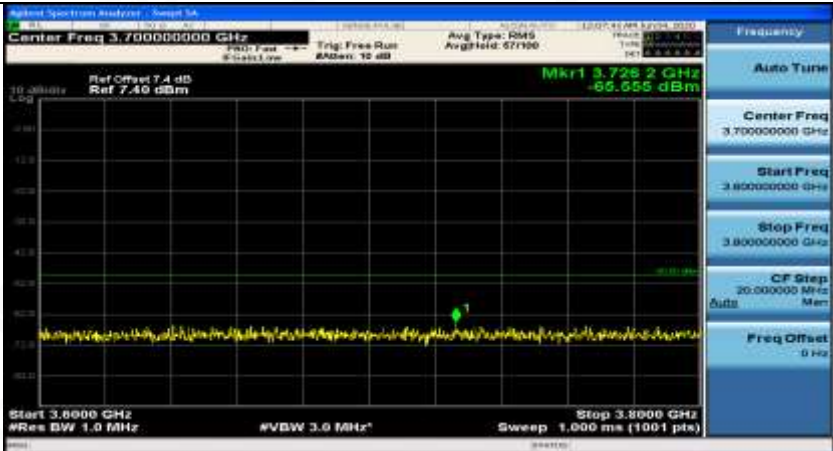
General	
General	
General	

Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


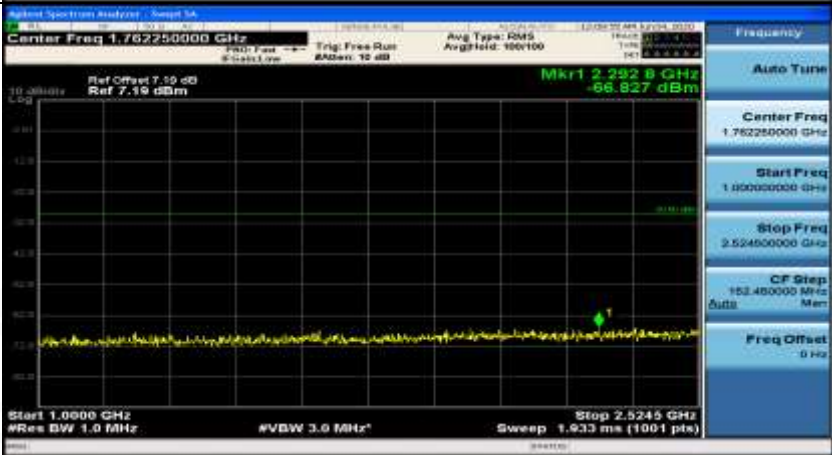



Co-existence	
Co-existence	
Co-existence	


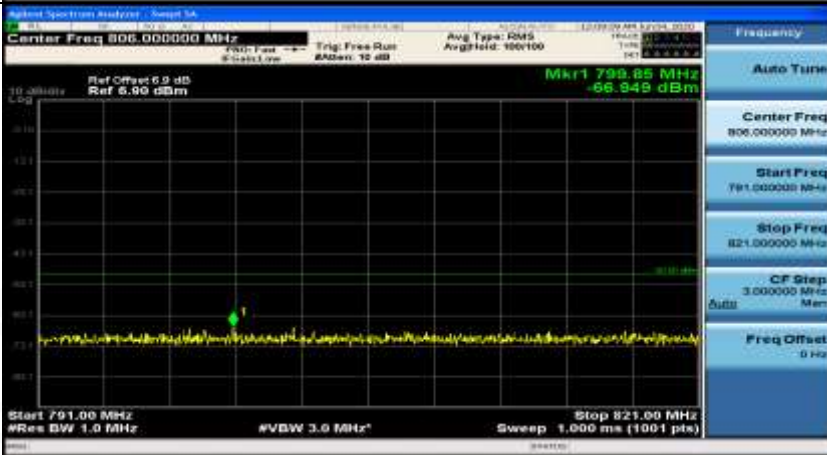
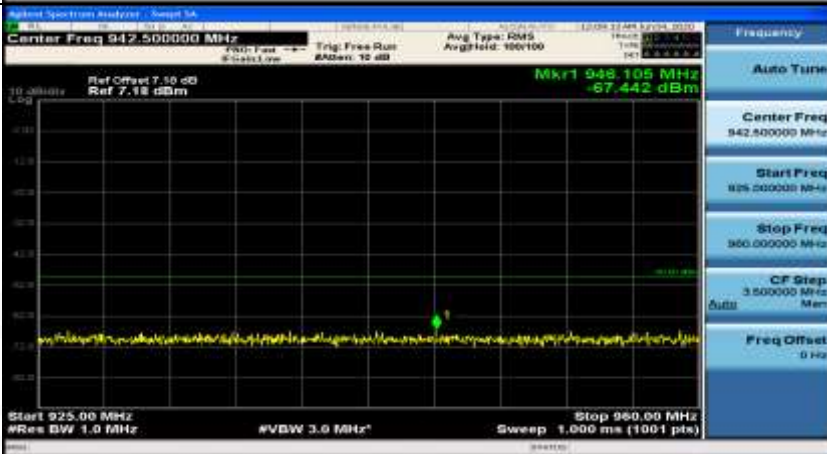
Co-existence	
Additional	NA

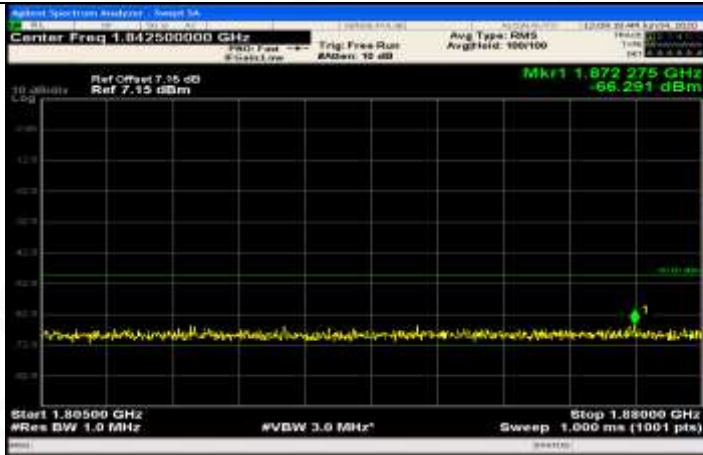
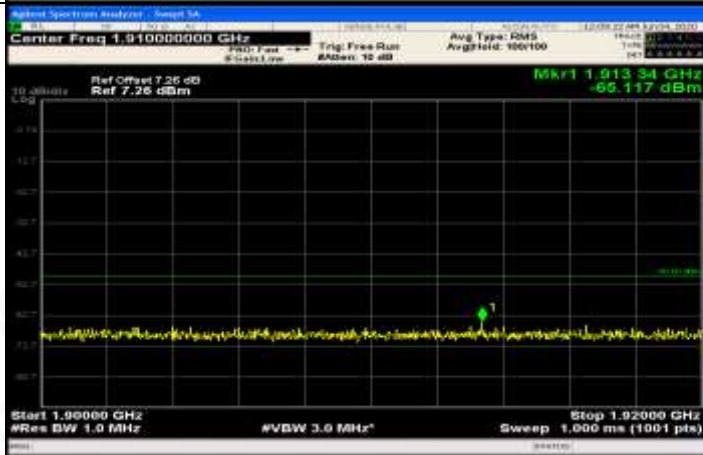
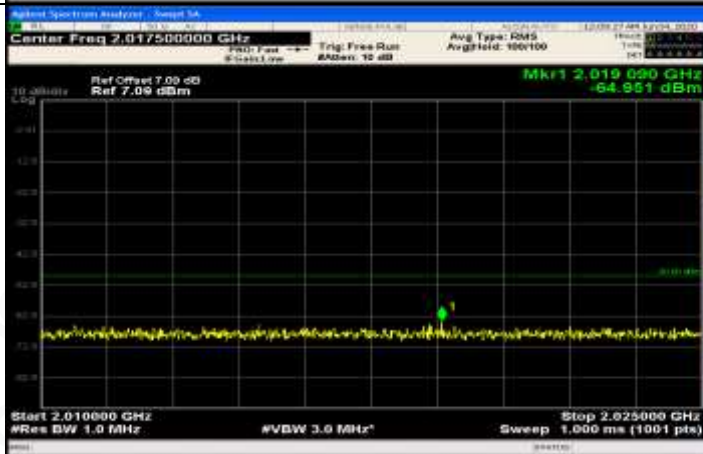
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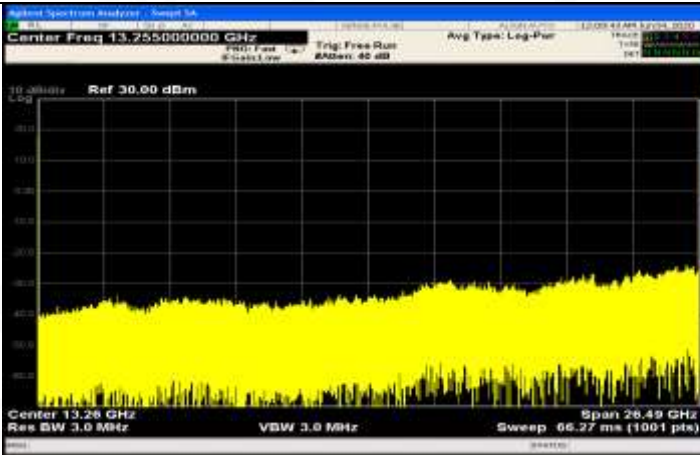
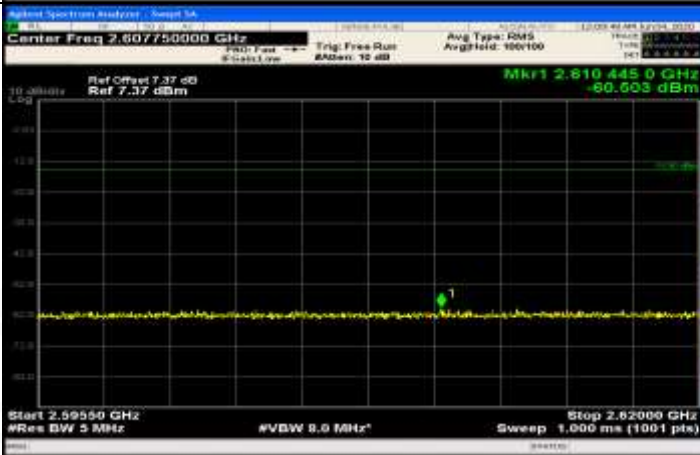
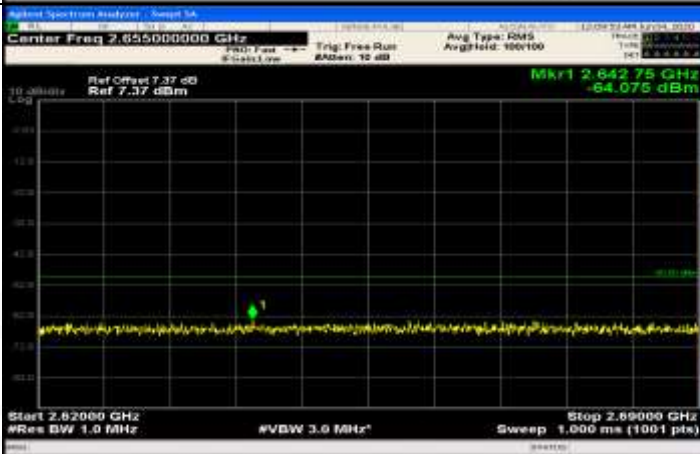
General	
General	

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 979.63 MHz -82.346 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 100 kHz Stop 1.000 GHz Sweep 119.7 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.76225000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 2.2928 GHz -66.827 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.5245 GHz Sweep 1.933 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.79775000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 4.8890 GHz -67.554 dBm Start 2.998 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 4.067 ms (1001 pts)</p>

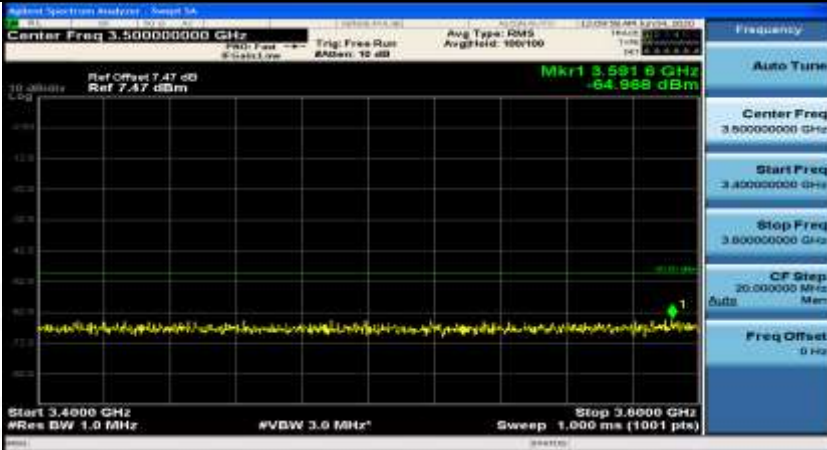
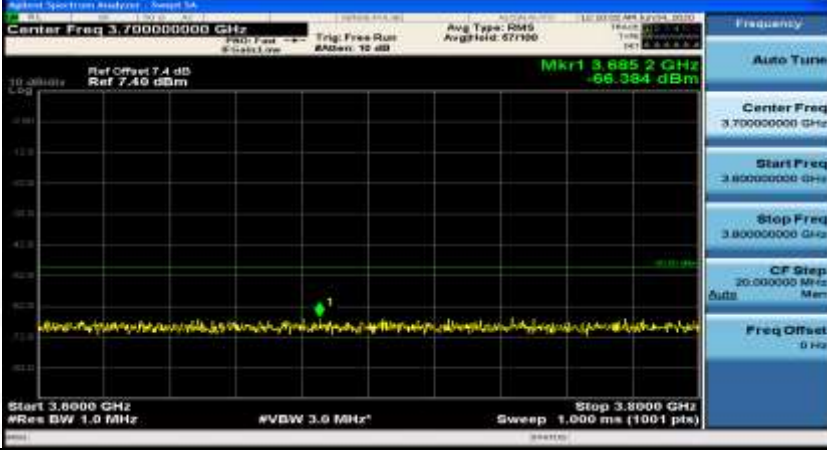



General	
Co-existence	
Co-existence	


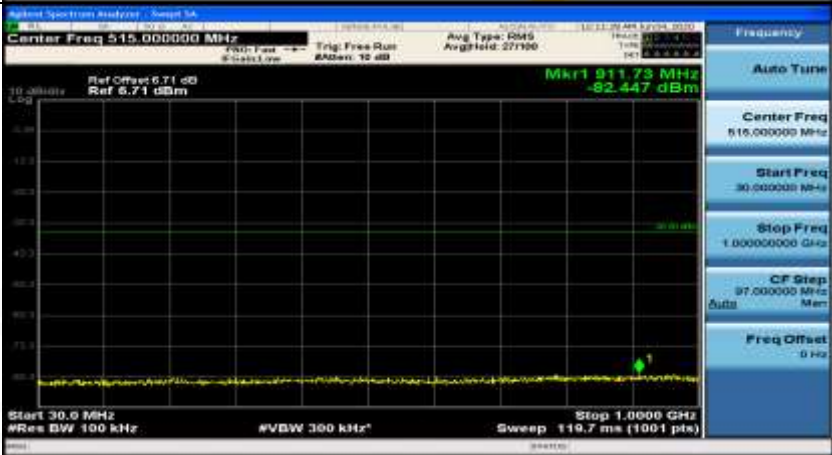
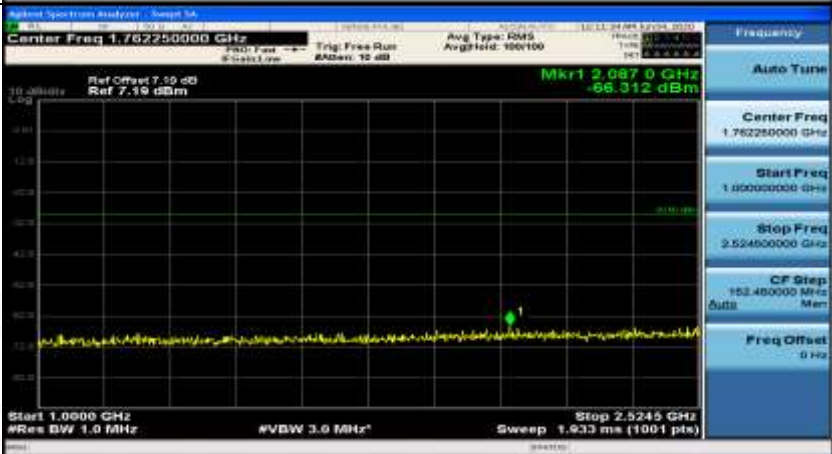
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>

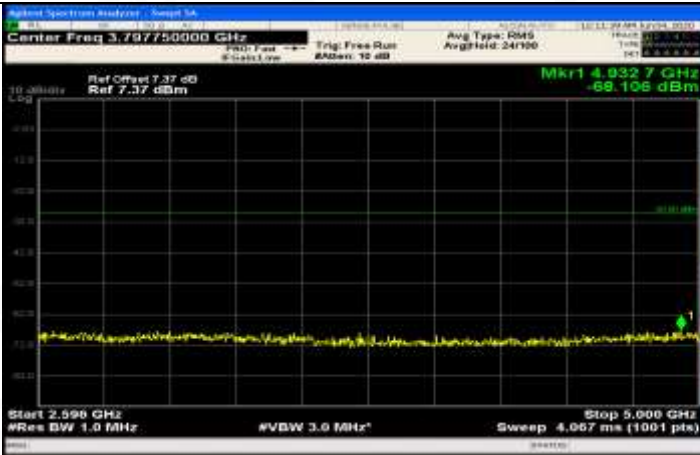

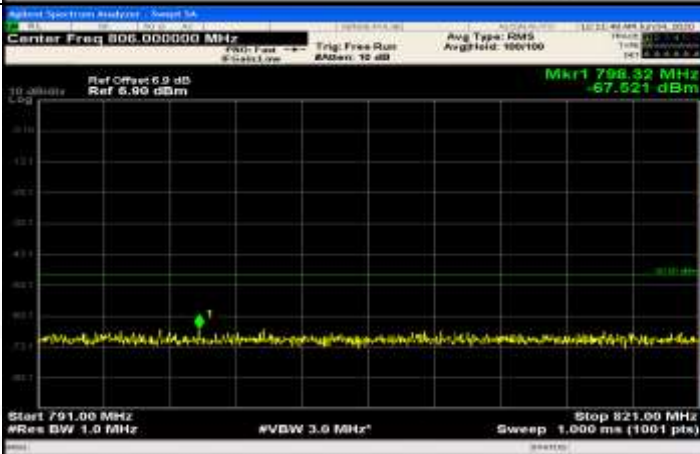
Co-existence	
Co-existence	
Co-existence	



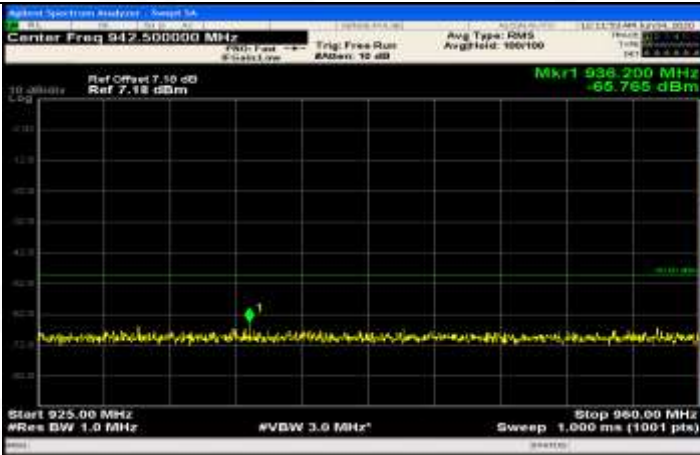
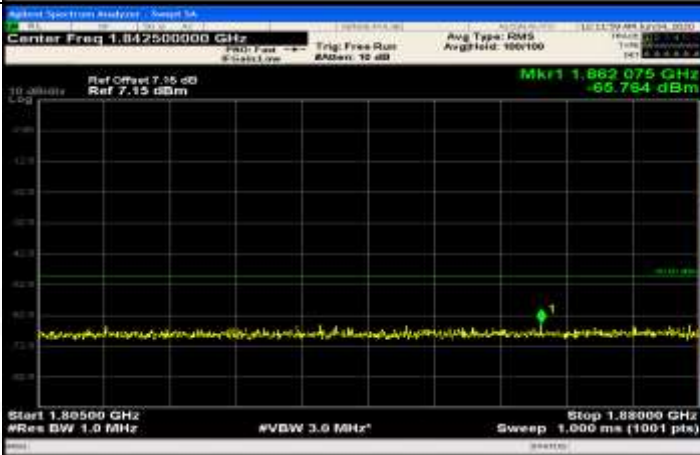
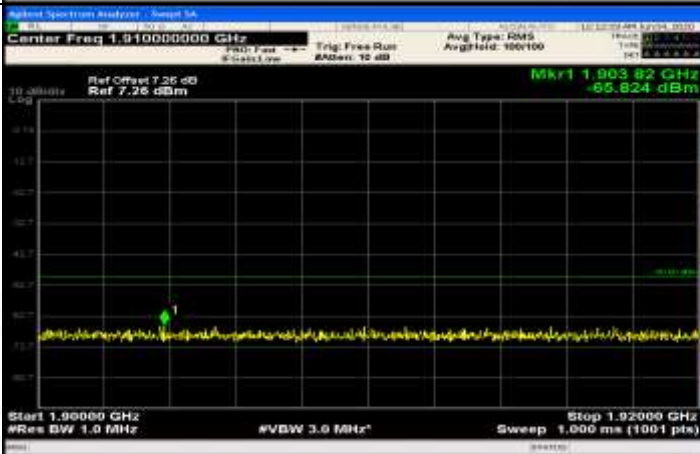
Co-existence	
Co-existence	
Additional	NA

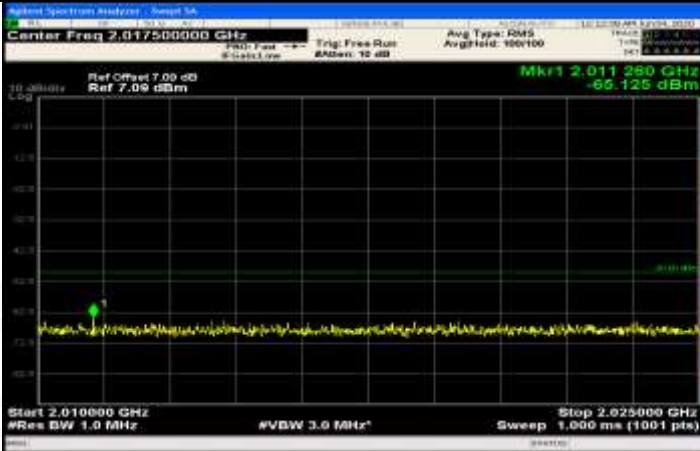
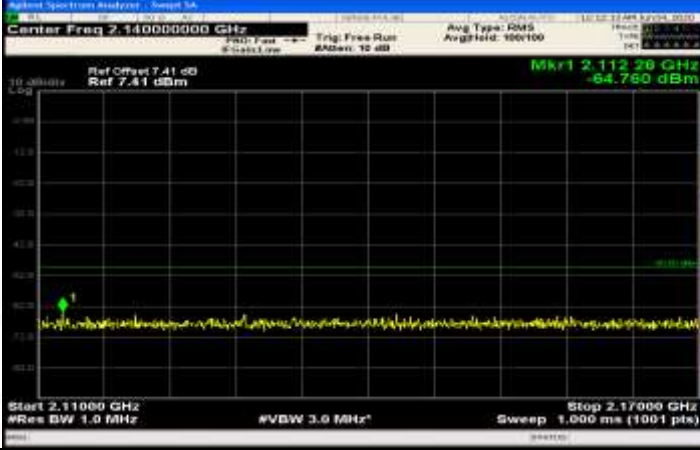

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	

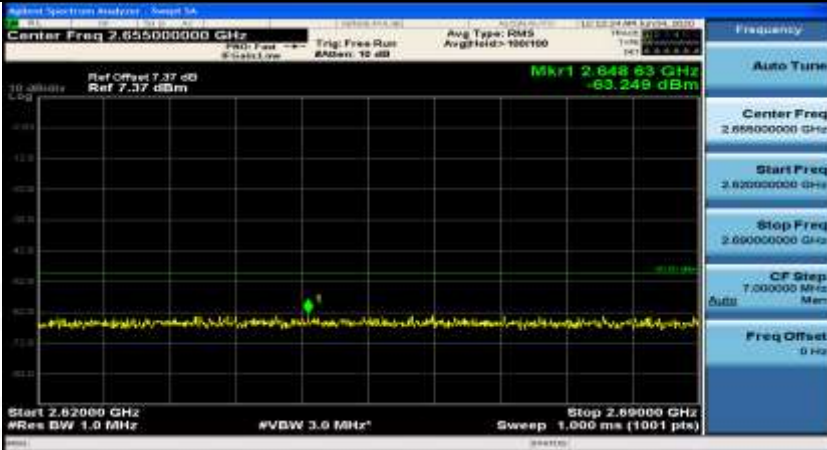
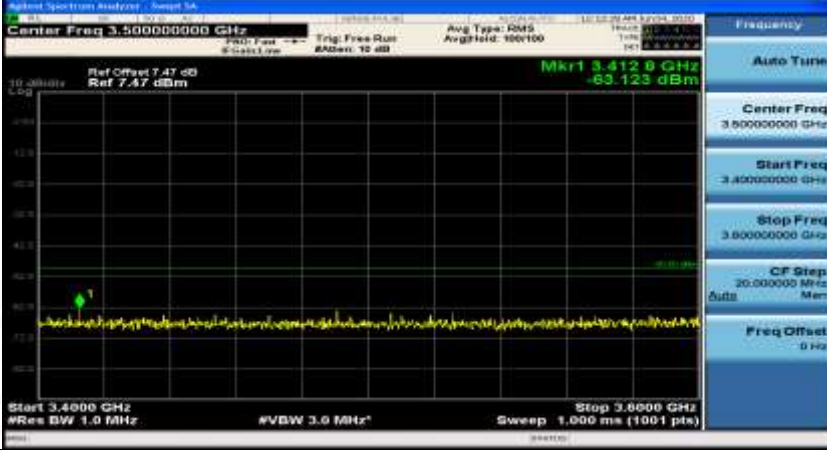
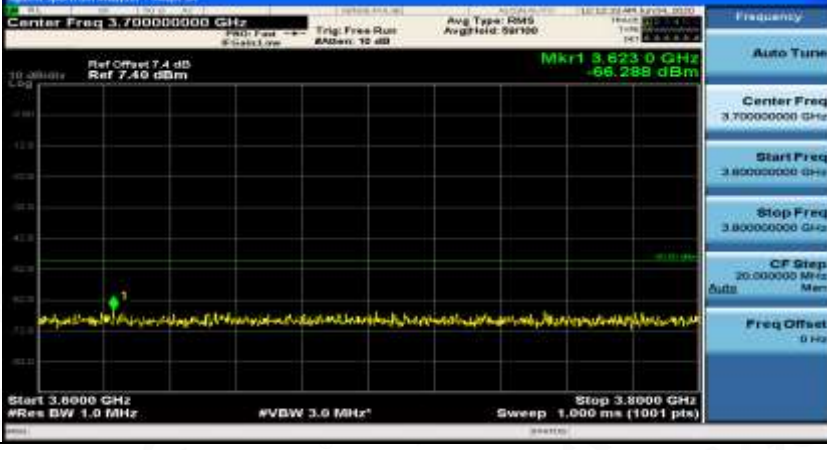
General	
General	
General	

General	
General	
Co-existence	



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.805000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.607750000 GHz</p> <p>Start Freq 2.595000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 2.450000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	
Additional	NA



## 6. Receiver Spurious Emissions

### Test Result

NTNV



Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_0RB#0	
LCH	
LCH	



Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_0RB#0





Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_ORB#0







## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				





## Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 7			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	Pass					





## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 LTLV) of fellow LTLV

	Test Band			Band 7			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TL,VL	5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
	Verdict	Pass					



## 12. Radiated spurious emissions - MS in idle mode

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-74.15	-74.21	-74.11
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-65.33	-65.28	-65.18
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-66.57	-66.46	-66.40



## Appendix D for Band 8

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 TNNV) of fellow:

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.77	Pass
					max	23.76	Pass
				Partial	0	23.82	Pass
					max	23.81	Pass
			Mid range	1	0	23.98	Pass
					max	23.97	Pass
				Partial	0	23.92	Pass
					max	23.93	Pass
			High range	1	0	24.05	Pass
					max	23.95	Pass
				Partial	0	24.06	Pass
					max	24.04	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	1	0	23.88	Pass
					max	23.81	Pass
				Partial	0	23.91	Pass
					max	23.88	Pass
			Mid range	1	0	24.03	Pass
					max	24.04	Pass
				Partial	0	24.11	Pass
					max	24.10	Pass
			High range	1	0	24.35	Pass
					max	23.98	Pass
				Partial	0	24.38	Pass
					max	24.16	Pass





**Channel Bandwidth=Highest (10 MHz)**

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	1	0	23.62	Pass
					max	23.66	Pass
				Partial	0	23.94	Pass
					max	23.91	Pass
			Mid range	1	0	23.91	Pass
					max	24.05	Pass
				Partial	0	24.03	Pass
					max	24.18	Pass
			High range	1	0	24.29	Pass
					max	23.94	Pass
				Partial	0	24.42	Pass
					max	24.21	Pass



## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 NTNV) of fellow:

### Test Result

NTNV

#### Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-48.20	Pass
			Mid range	Full	0	-45.82	Pass
			High range	Full	0	-45.29	Pass

#### Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-46.54	Pass
			Mid range	Full	0	-47.03	Pass
			High range	Full	0	-46.65	Pass

#### Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Full	0	-46.26	Pass
			Mid range	Full	0	-46.59	Pass
			High range	Full	0	-45.75	Pass



### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass





	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs

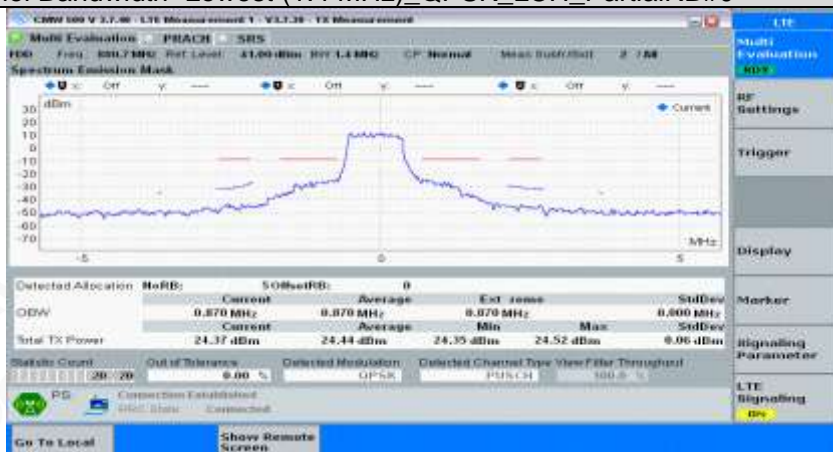
NTNV

### Channel Bandwidth=Lowest (1.4 MHz)



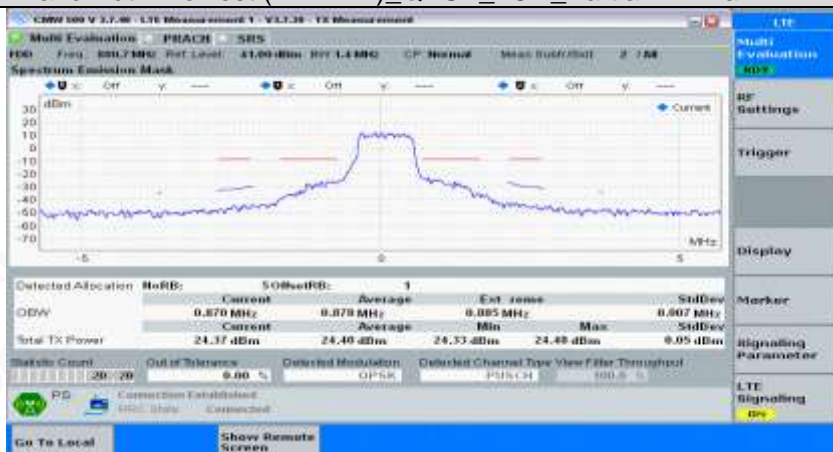
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_PartialRB#0

QPSK



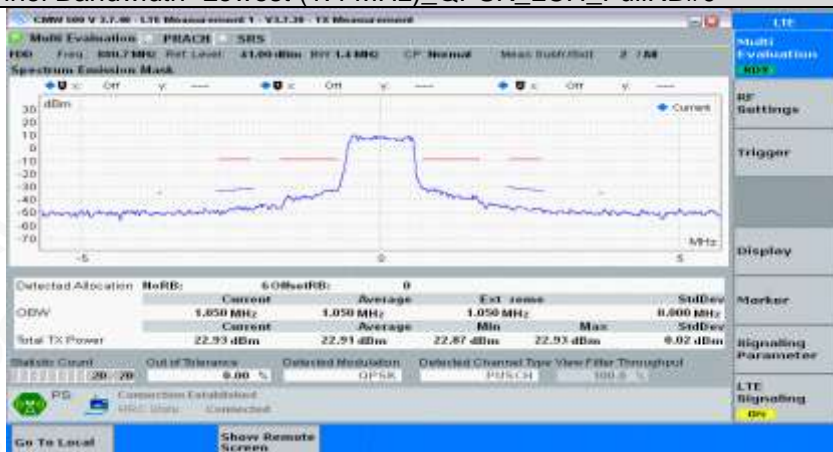
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_PartialRB#max

QPSK

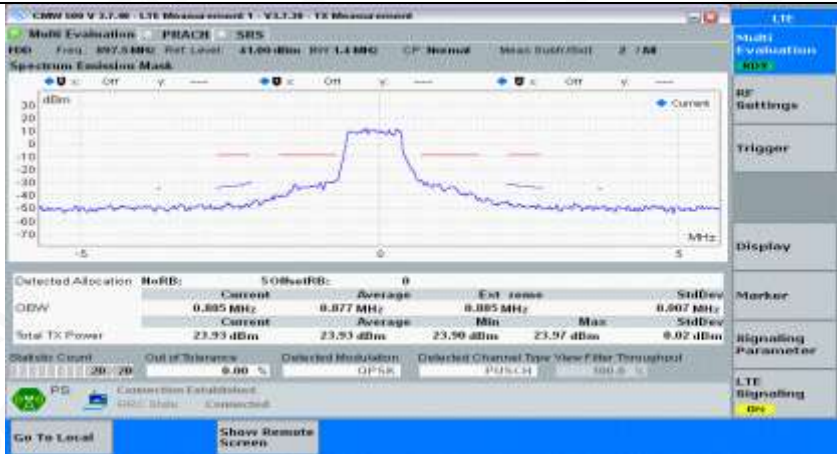
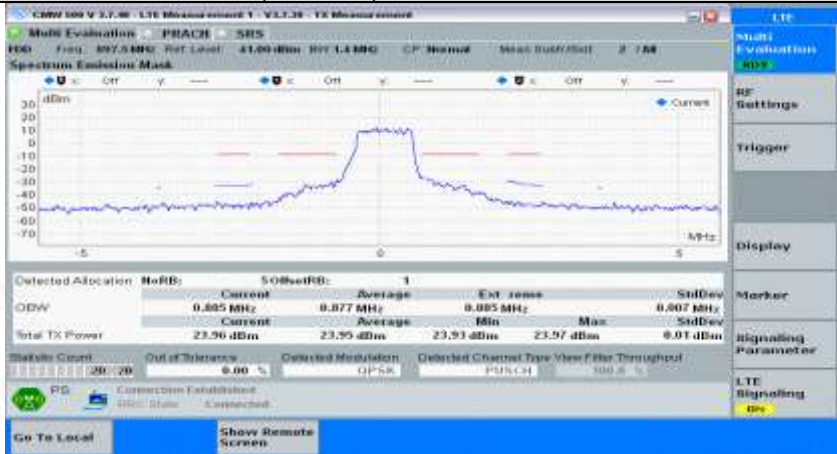
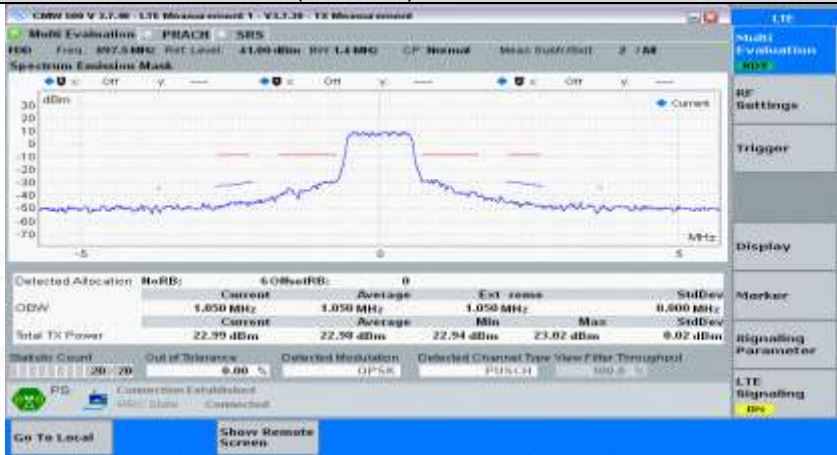


Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_FullIRB#0

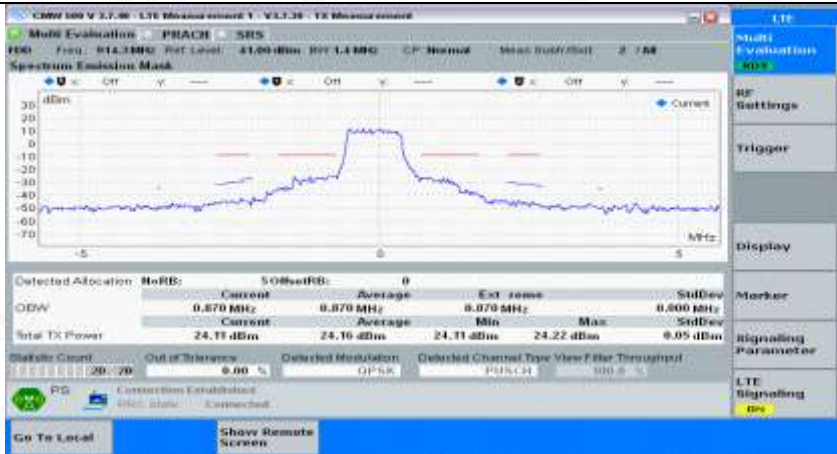
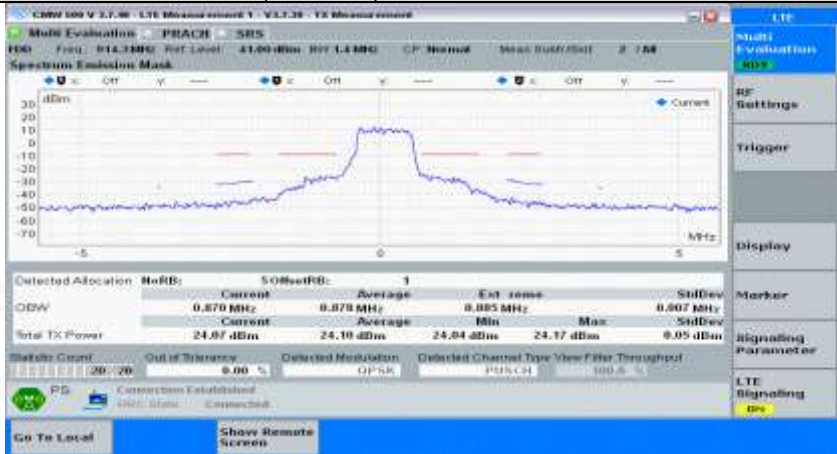
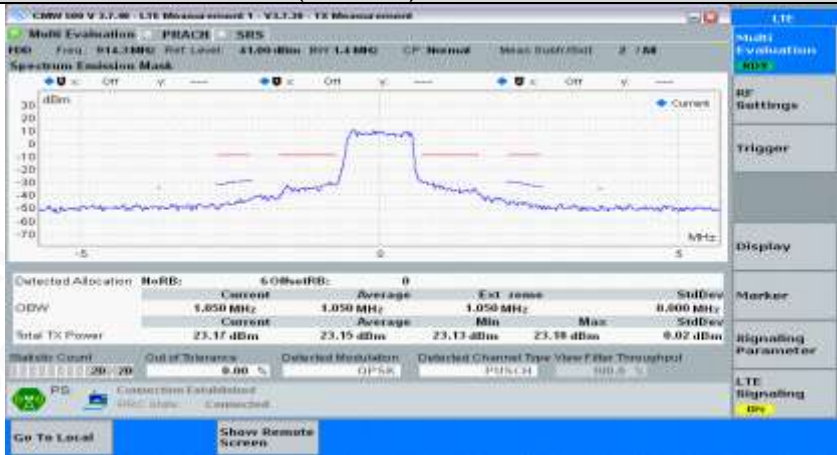
QPSK

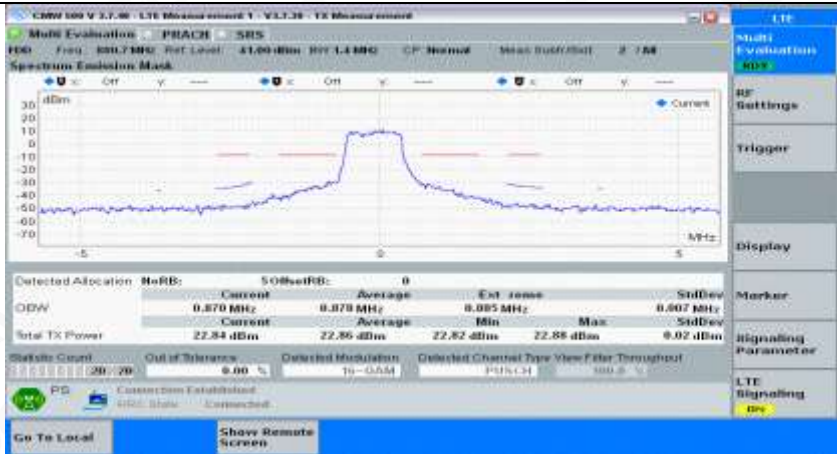
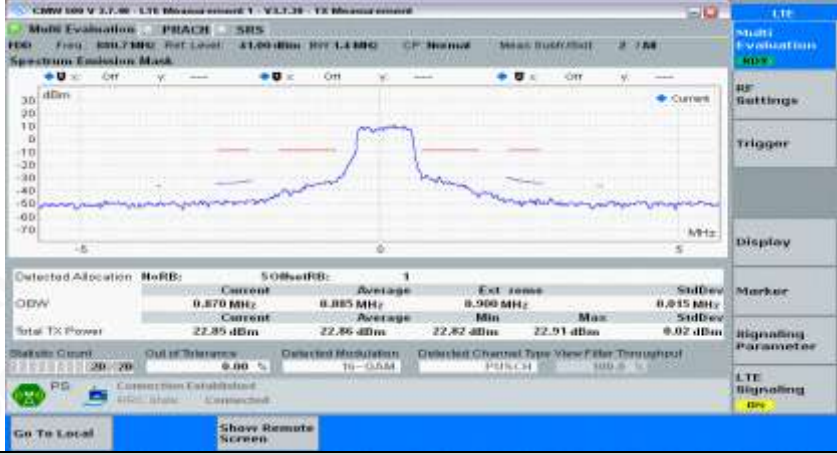
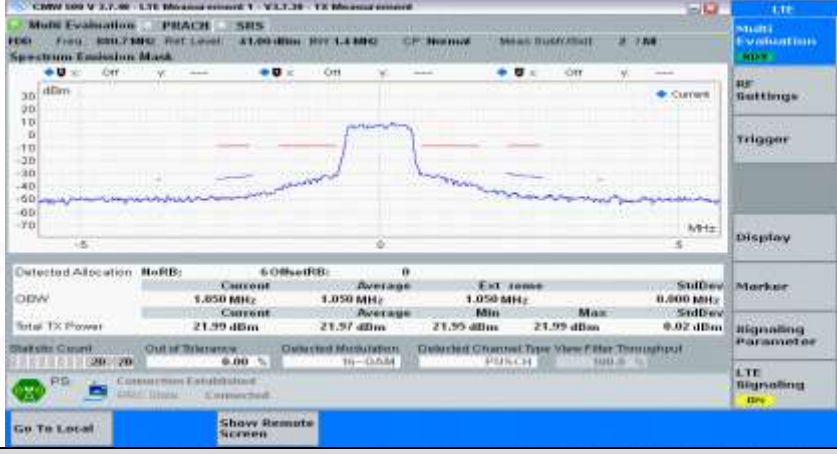


Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_PartialRB#0

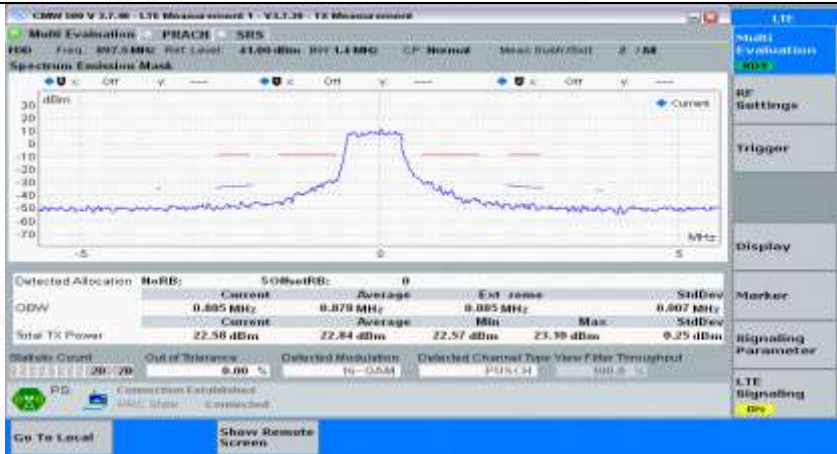
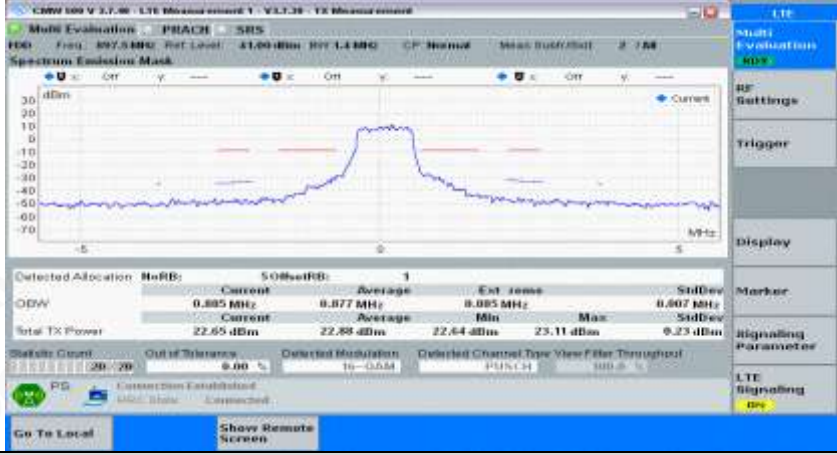
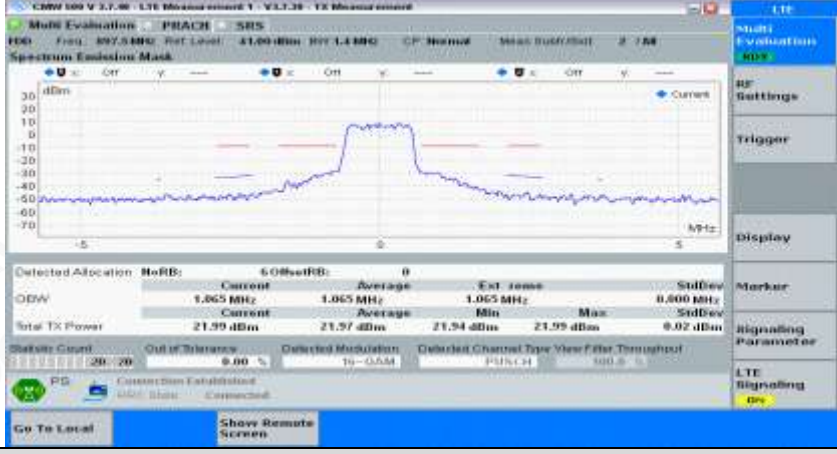
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0	



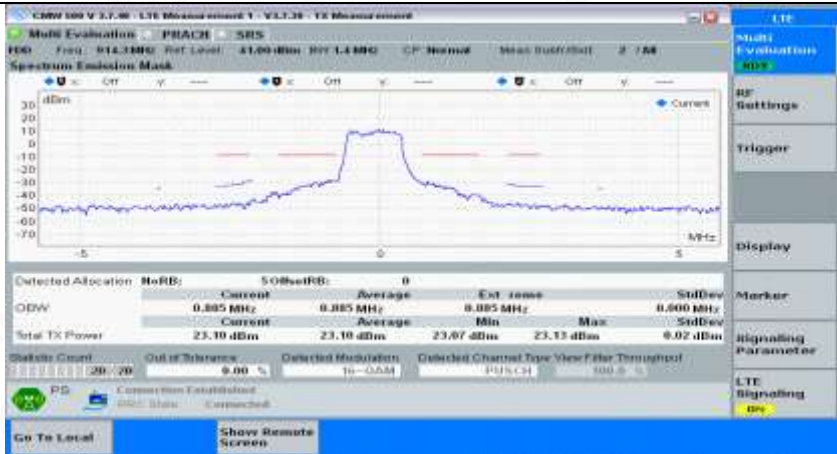
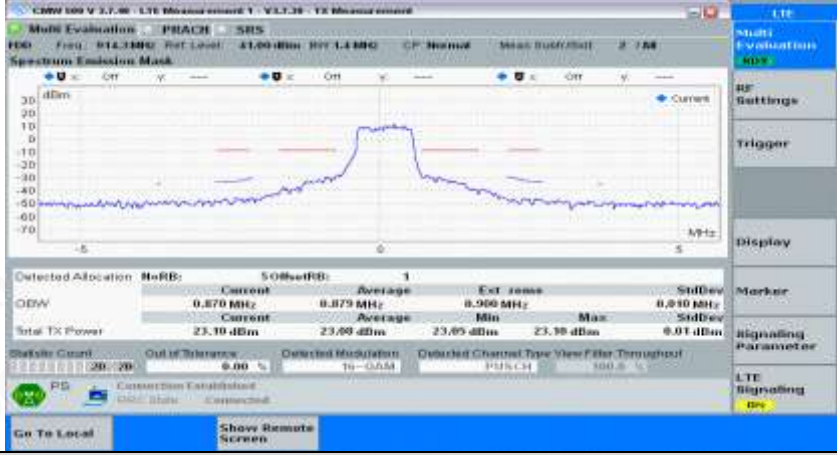
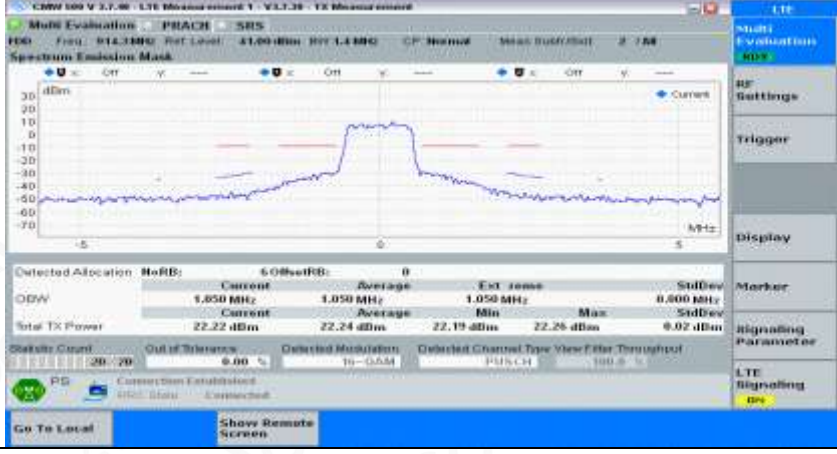
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0	

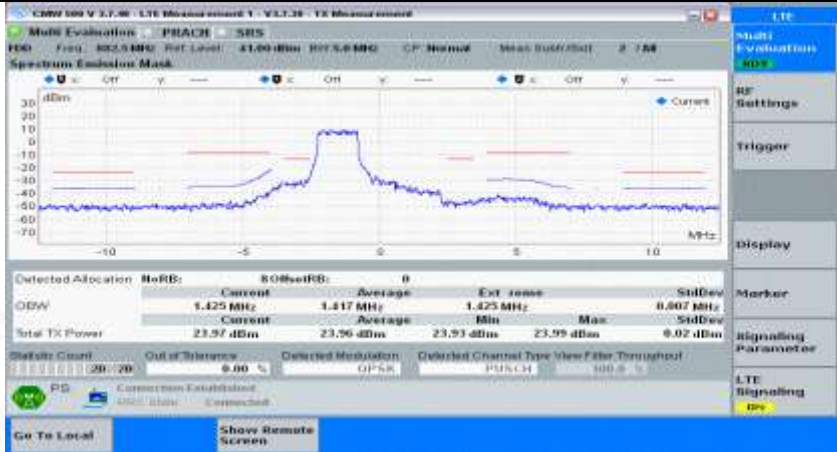
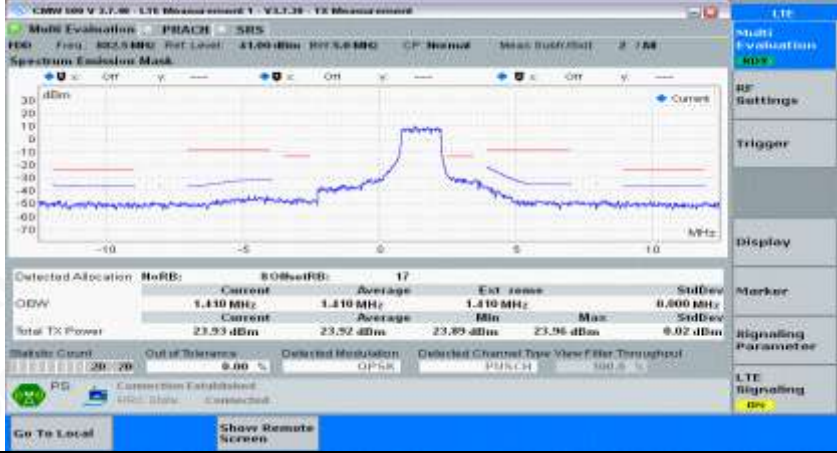
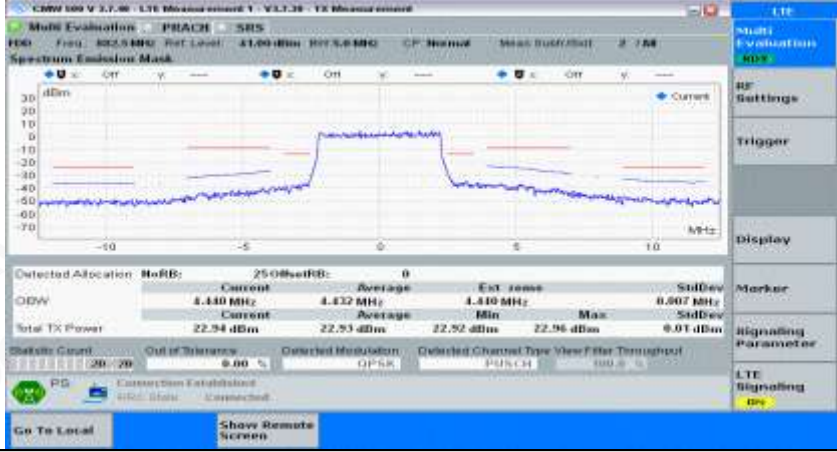


16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0	
16QAM	

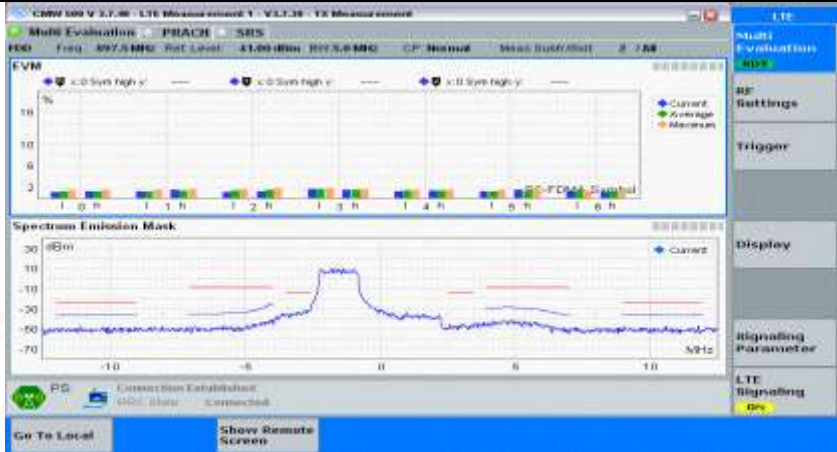
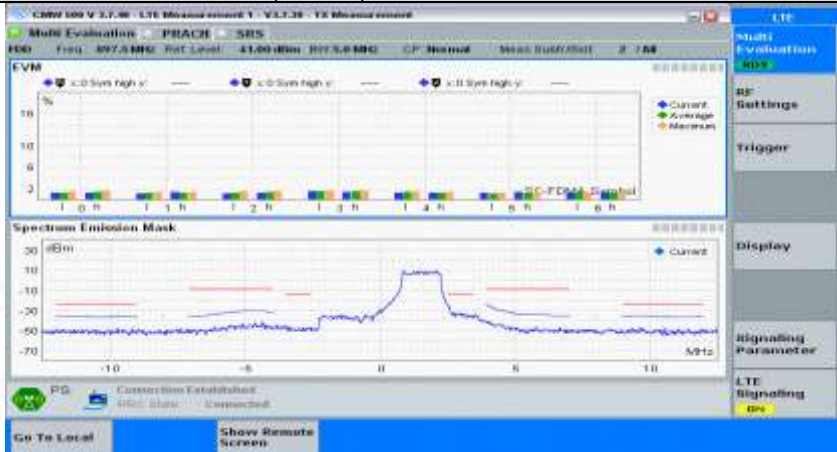

Channel Bandwidth= (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0
---

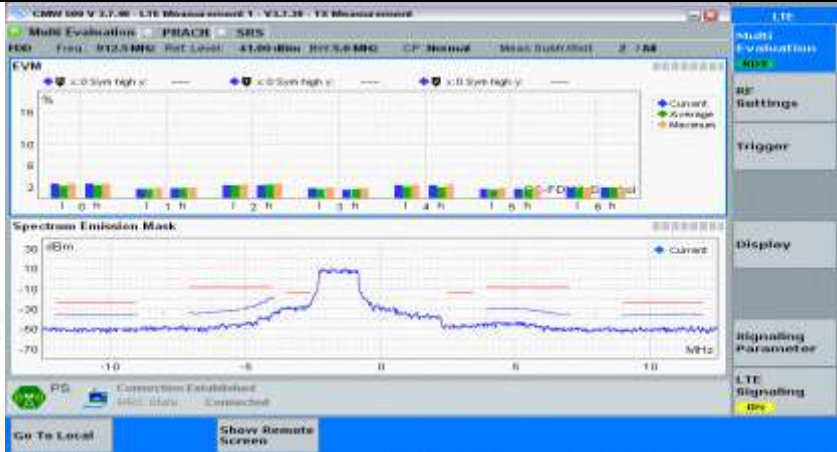
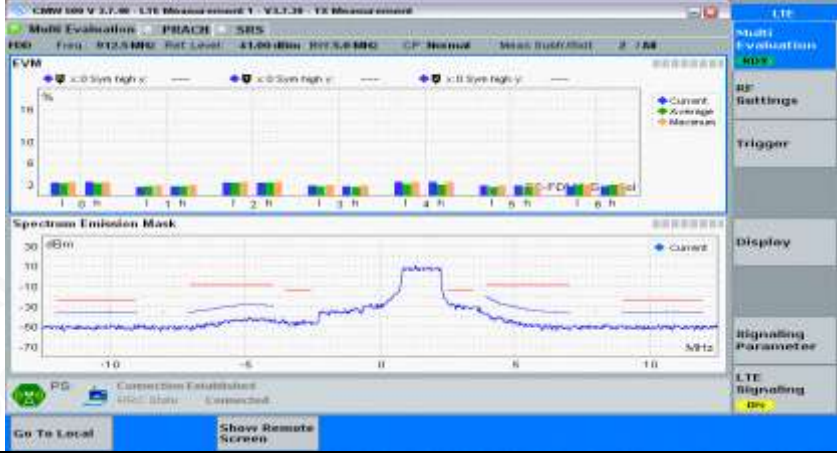
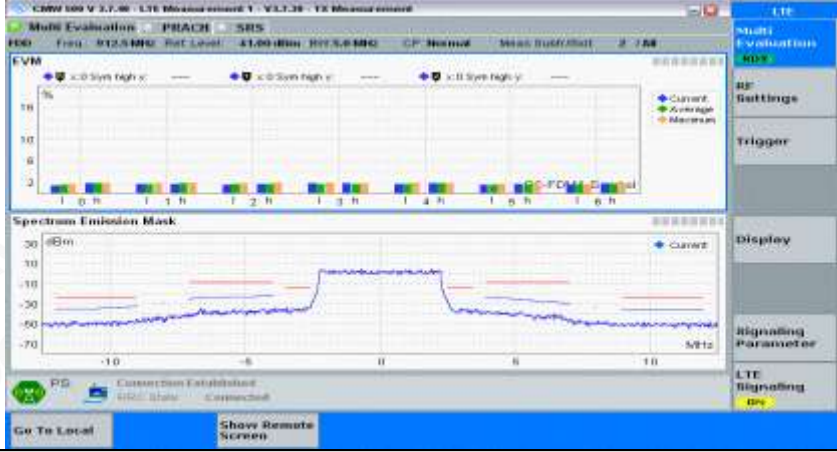


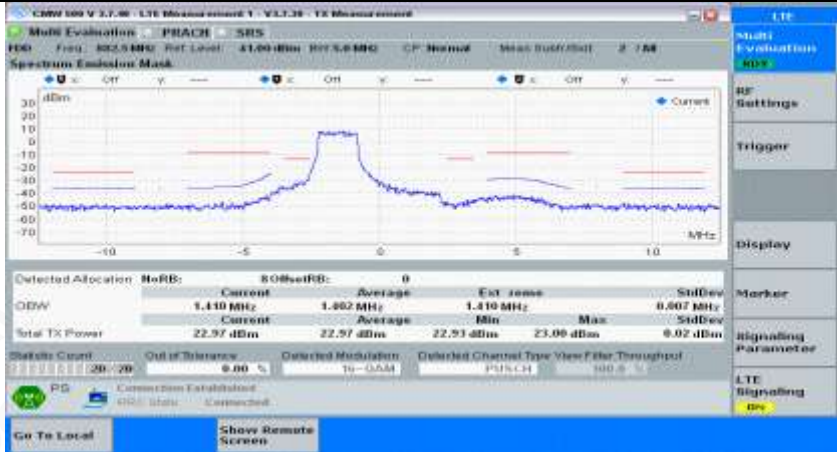
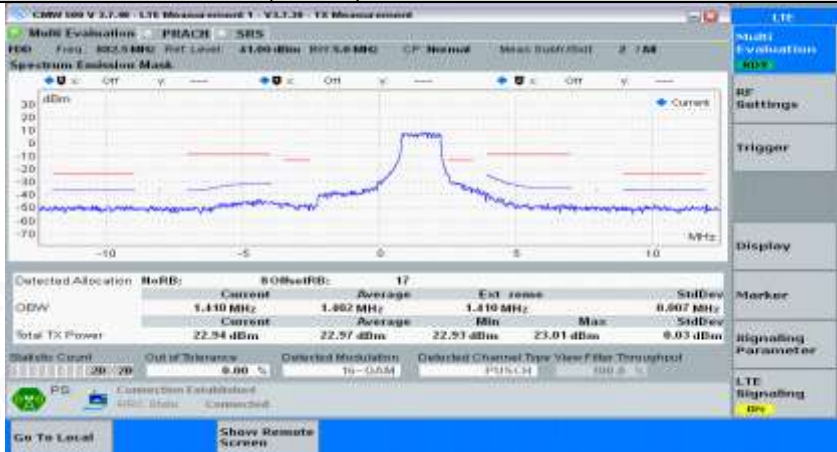

QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	



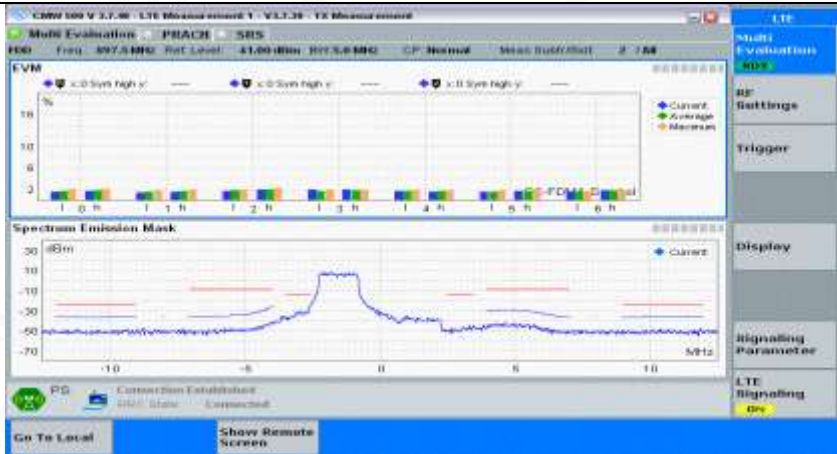
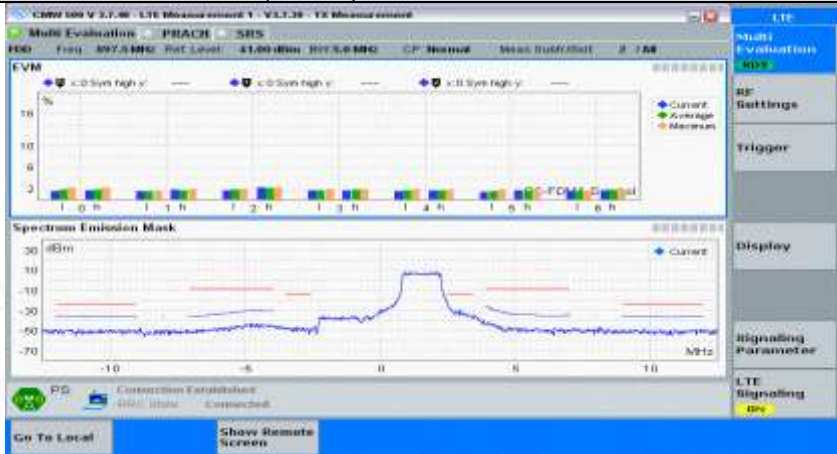

QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	



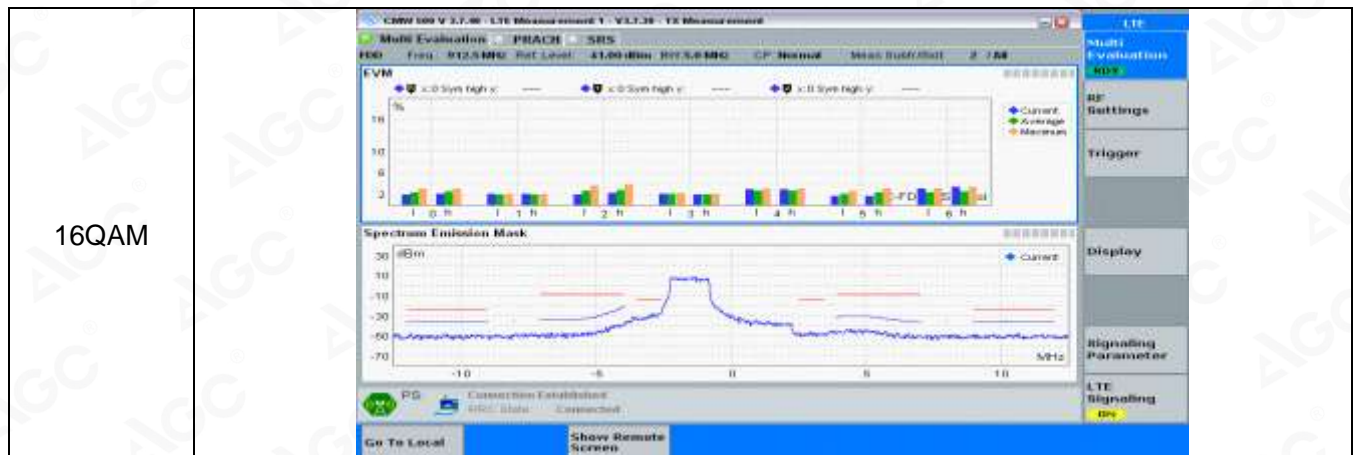
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

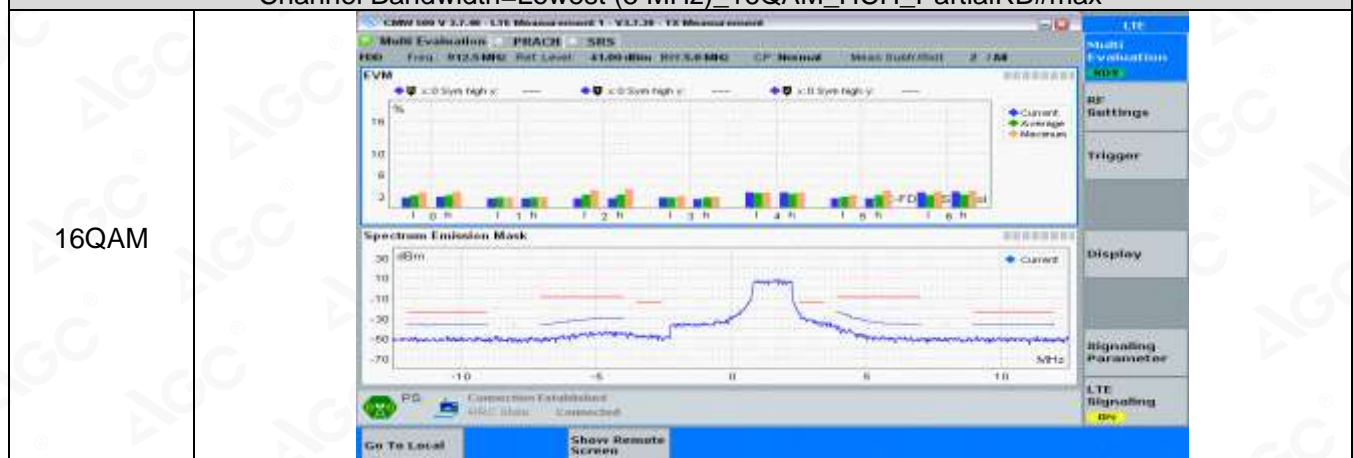


16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

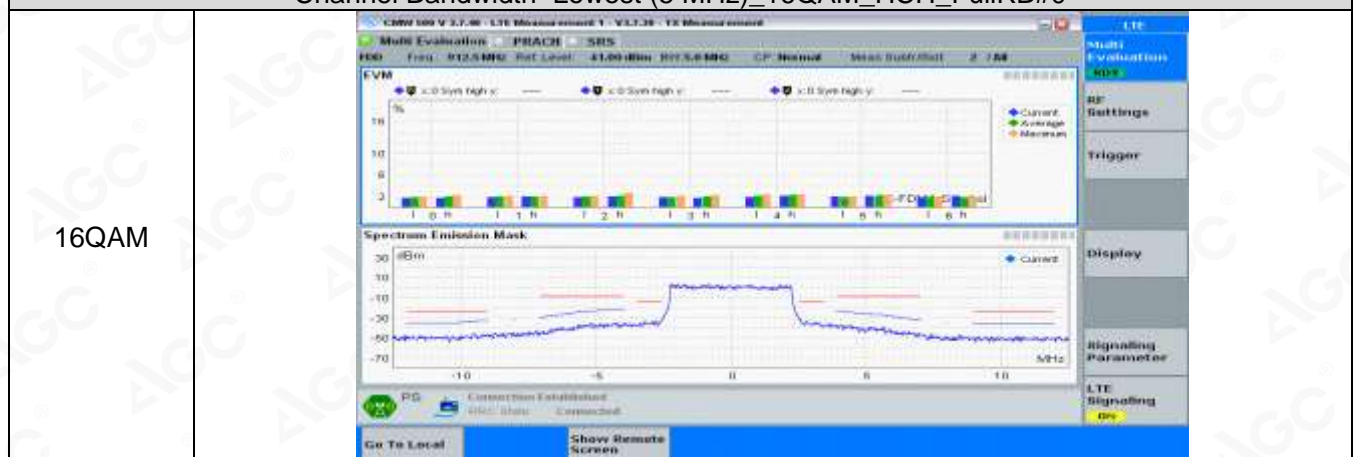




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max



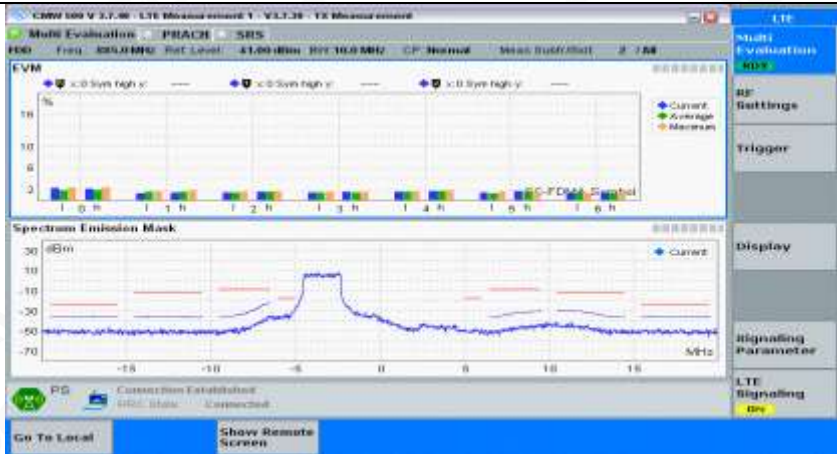
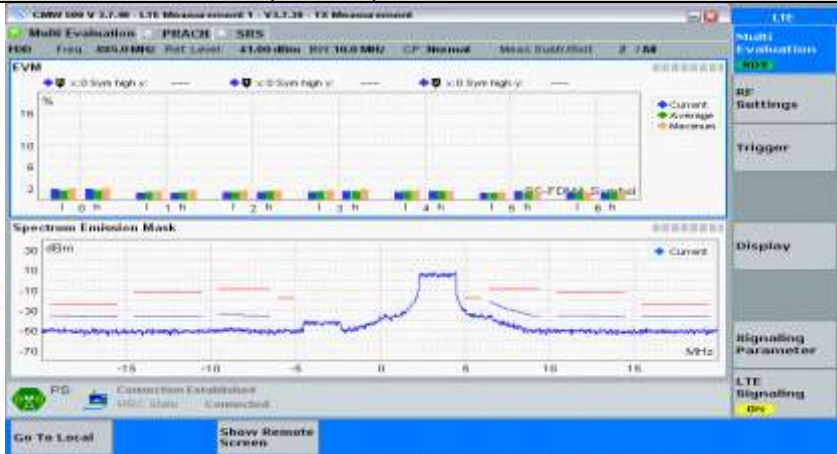
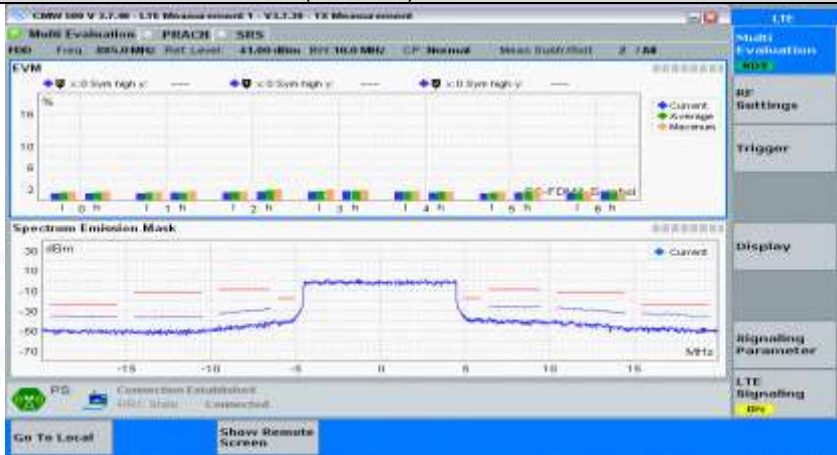
Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0




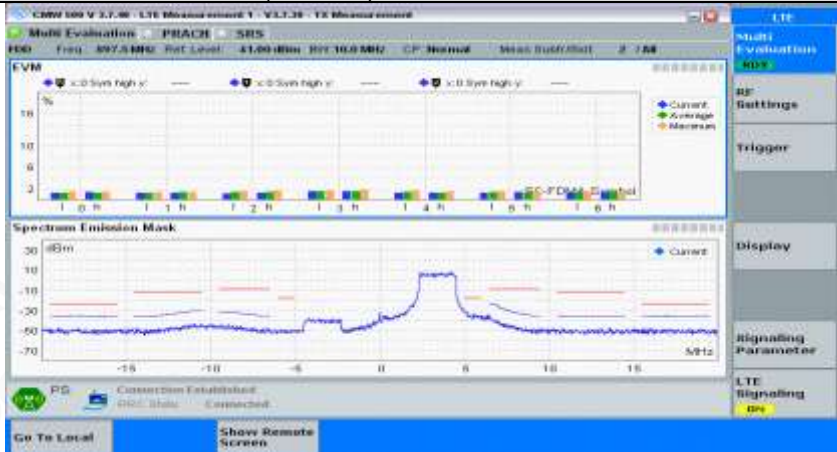

Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0

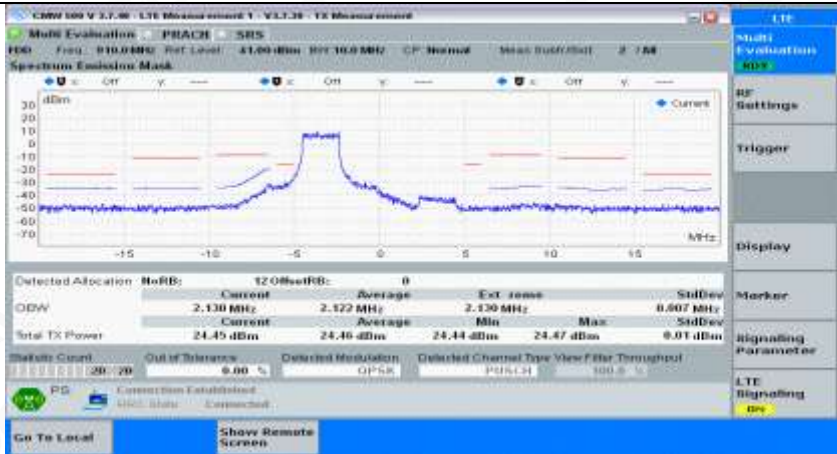
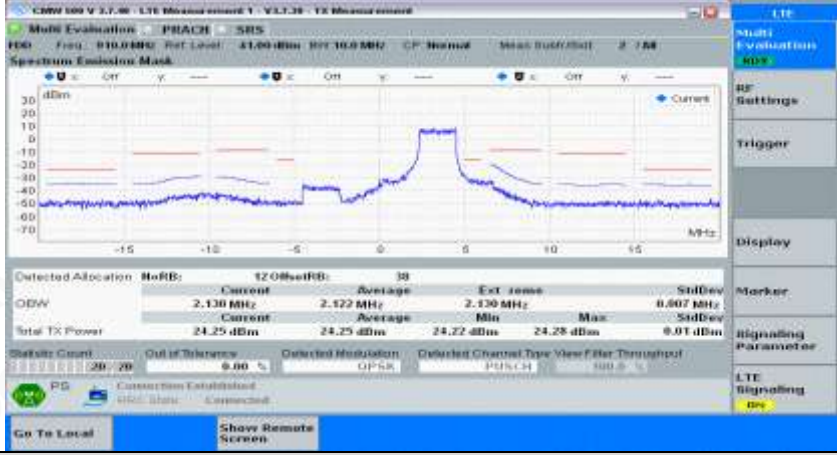
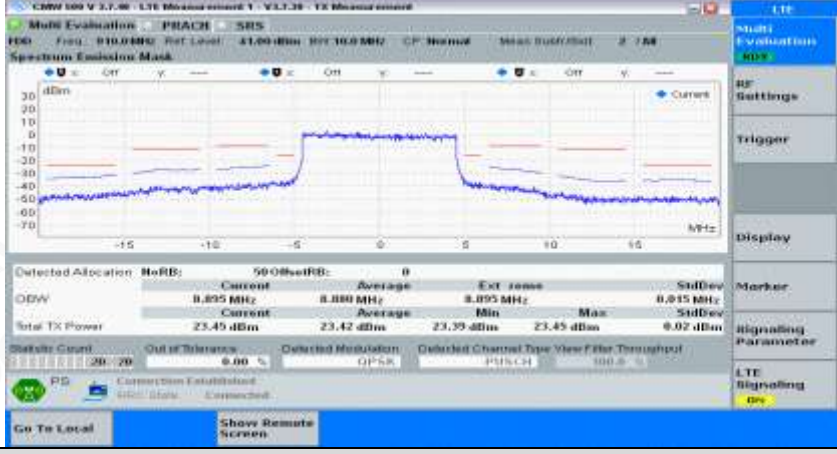


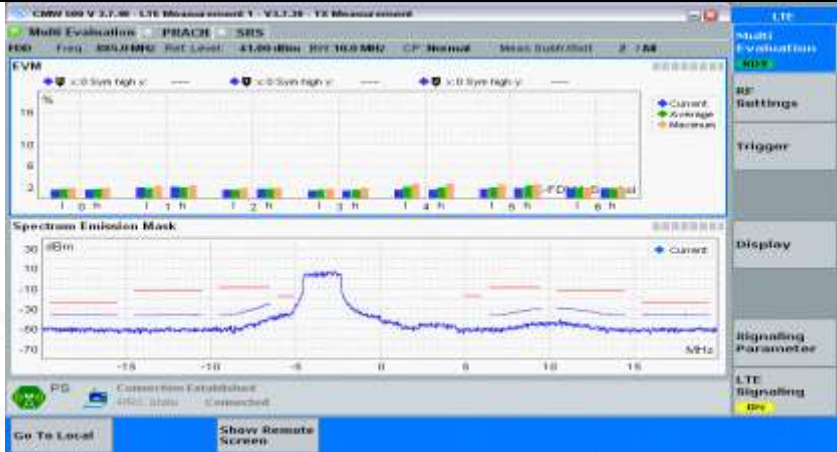
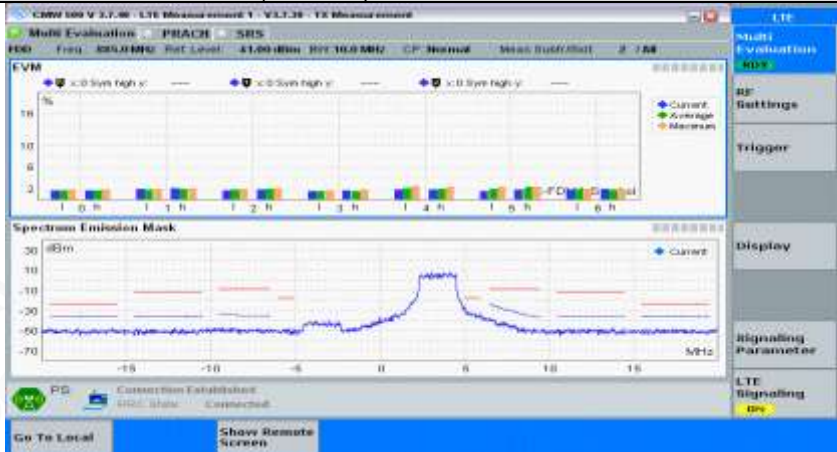

QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	




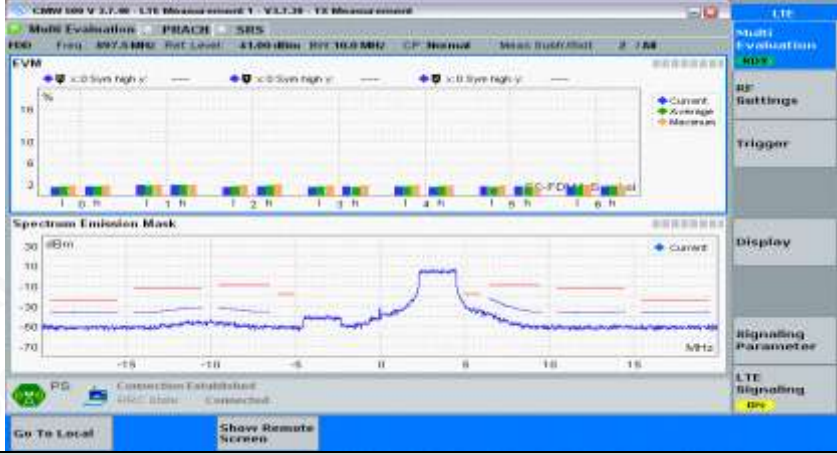
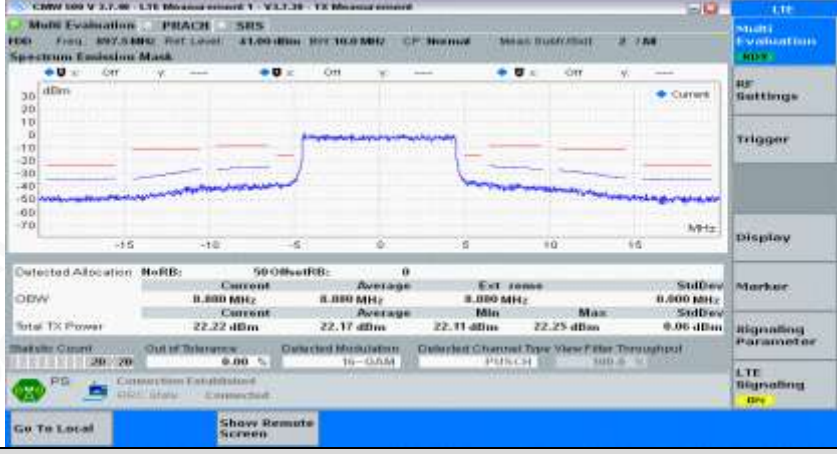
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	



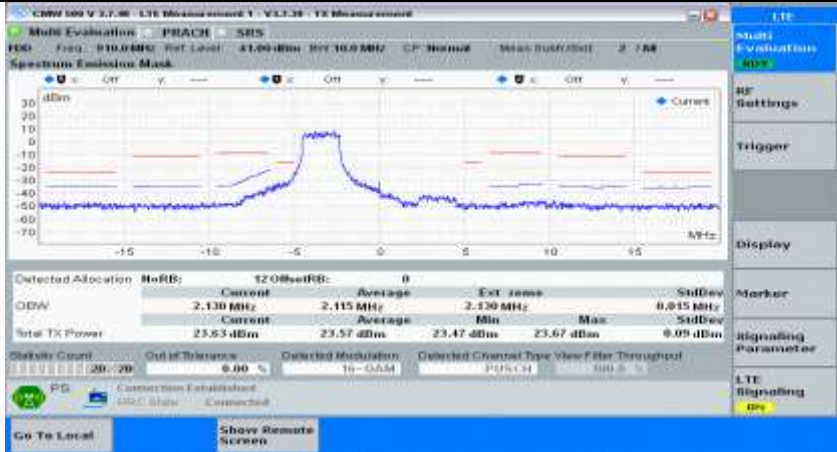
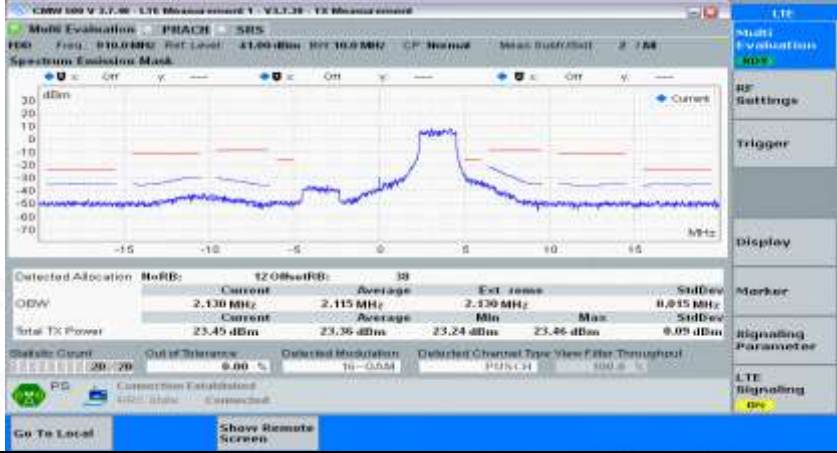
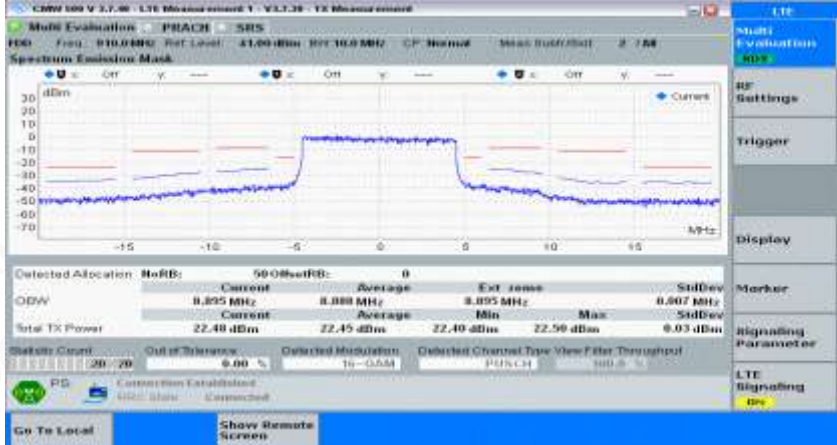
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	
16QAM	

#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass



				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX

### Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs

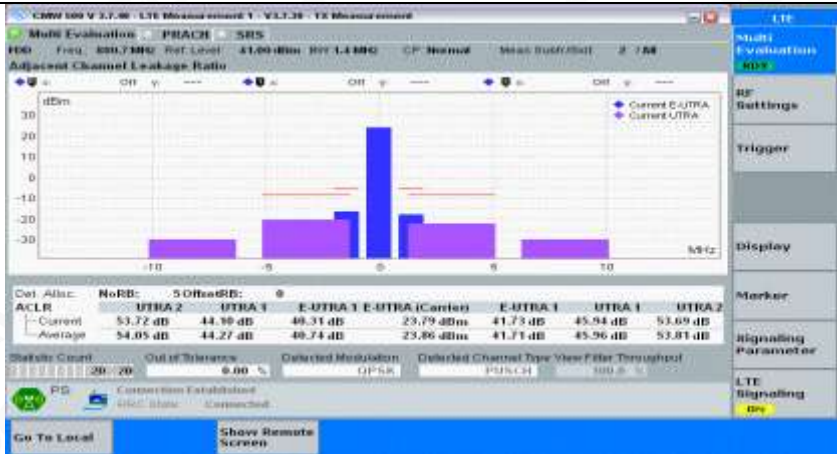


NTNV


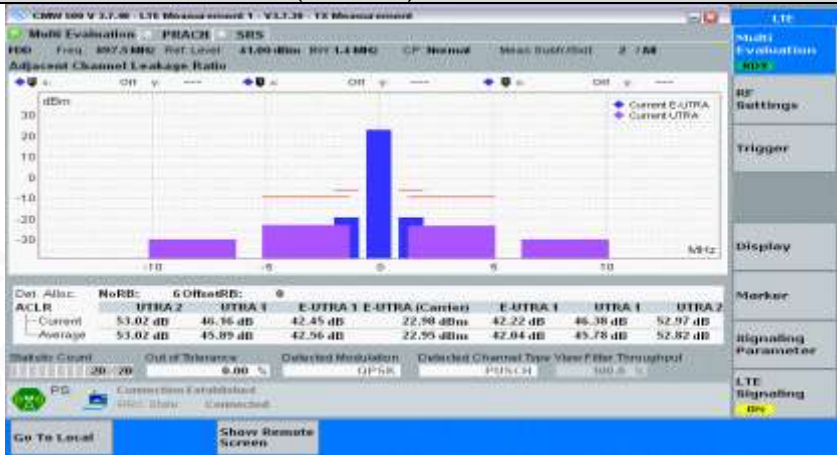
### Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#0
---








QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0</p>



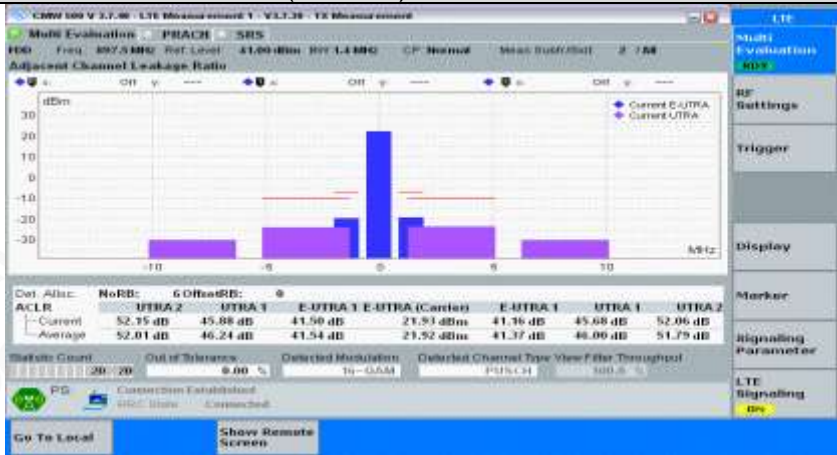
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0	



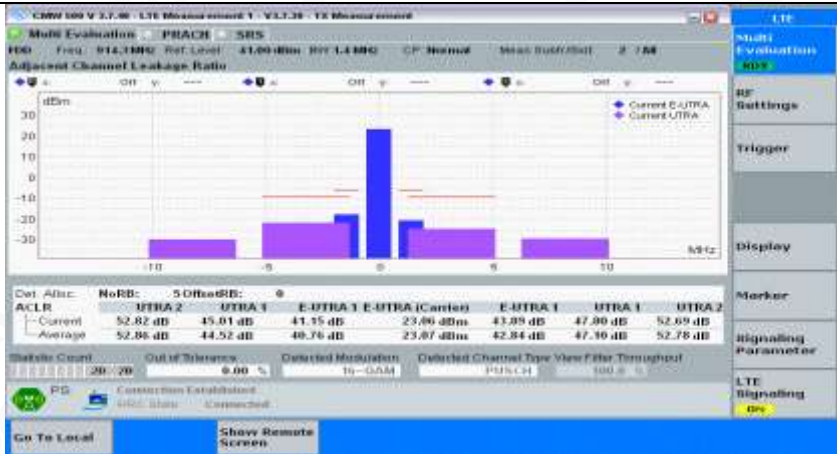

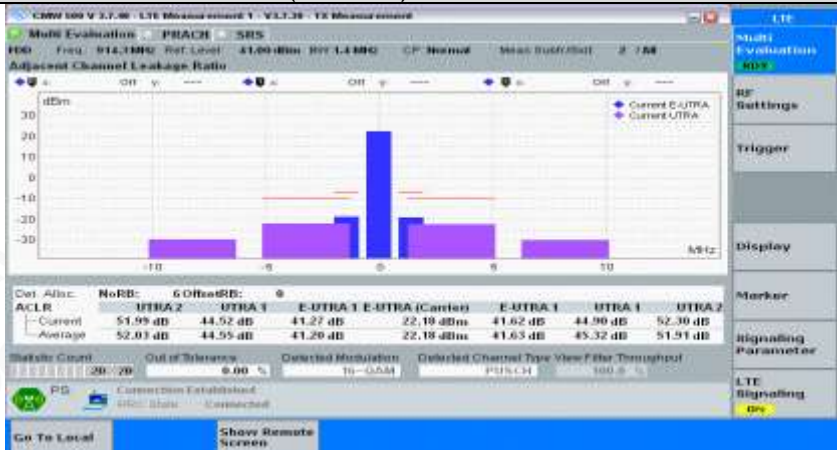




16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0</p>






16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0</p>
16QAM	



Channel Bandwidth= (5 MHz)

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0










QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0</p>



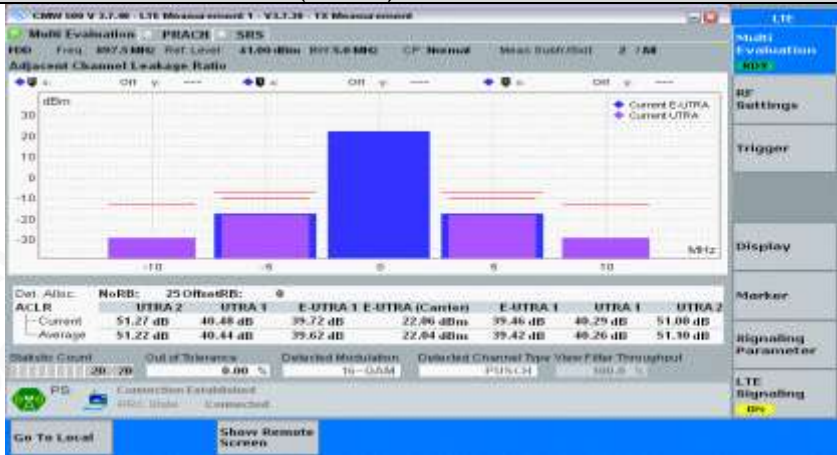
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0</p>



QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>



16QAM	<div><div><div>CDW 100 V 3.7.00 - LTE Modem connect 1 - V3.7.30 - 1X Modem connect</div><div><div>Multi Evaluation</div><div>PRACH</div><div>SRS</div></div><div>HD</div><div>Freq: 912.5 MHz</div><div>Ref Level: -41.00 dBm</div><div>Ref 5.0 MHz</div><div>CP: Normal</div><div>Meas Duration: 2.75s</div><div>Adjacent Channel Leakage Ratio</div><div><div><div>dBm</div><div><div>30</div><div>20</div><div>10</div><div>0</div><div>-10</div><div>-20</div><div>-30</div></div><div><div>Current E-UTRA</div><div>Current UTRA</div></div></div><div><div>-10</div><div>-5</div><div>0</div><div>5</div><div>10</div></div><div>MHz</div></div><div><div>Det. Alloc.</div><div>NoRB</div><div>0RB</div><div>6RB</div><div>12RB</div><div>18RB</div><div>24RB</div><div>30RB</div><div>36RB</div></div><div><div>ACLR</div><div>UTRA 2</div><div>UTRA 1</div><div>E-UTRA 1</div><div>E-UTRA (Carrier)</div><div>E-UTRA 1</div><div>UTRA 1</div><div>UTRA 2</div></div><div><div>Current</div><div>52.72 dB</div><div>49.94 dB</div><div>38.77 dB</div><div>23.41 dBm</div><div>45.93 dB</div><div>45.42 dB</div><div>51.02 dB</div></div><div><div>Average</div><div>52.76 dB</div><div>49.25 dB</div><div>38.16 dB</div><div>23.41 dBm</div><div>45.99 dB</div><div>45.46 dB</div><div>51.05 dB</div></div><div><div>Statistics Count</div><div>Out of Tolerance</div><div>Detected Modulation</div><div>Detected Channel Type</div><div>View Filter</div><div>Throughput</div></div><div><div>20 / 20</div><div>0.00 %</div><div>Tx-QAM</div><div>FDD-F</div><div>100.0 %</div></div><div><div>PS</div><div>Connection Established</div><div>Mod. 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16QAM	<div><div><div>CDW 100 V 3.7.00 - LTE Modem connect 1 - V3.7.30 - 1X Modem connect</div><div><div>Multi Evaluation</div><div>PRACH</div><div>SRS</div></div><div>HD</div><div>Freq: 912.5 MHz</div><div>Ref Level: -41.00 dBm</div><div>Ref 5.0 MHz</div><div>CP: Normal</div><div>Meas Duration: 2.75s</div><div>Adjacent Channel Leakage Ratio</div><div><div><div>dBm</div><div><div>30</div><div>20</div><div>10</div><div>0</div><div>-10</div><div>-20</div><div>-30</div></div><div><div>Current E-UTRA</div><div>Current UTRA</div></div></div><div><div>-10</div><div>-5</div><div>0</div><div>5</div><div>10</div></div><div>MHz</div></div><div><div>Det. Alloc.</div><div>NoRB</div><div>0RB</div><div>6RB</div><div>12RB</div><div>18RB</div><div>24RB</div><div>30RB</div><div>36RB</div></div><div><div>ACLR</div><div>UTRA 2</div><div>UTRA 1</div><div>E-UTRA 1</div><div>E-UTRA (Carrier)</div><div>E-UTRA 1</div><div>UTRA 1</div><div>UTRA 2</div></div><div><div>Current</div><div>53.12 dB</div><div>49.14 dB</div><div>47.79 dB</div><div>23.19 dBm</div><div>49.70 dB</div><div>42.87 dB</div><div>52.88 dB</div></div><div><div>Average</div><div>52.86 dB</div><div>49.37 dB</div><div>48.09 dB</div><div>23.29 dBm</div><div>49.87 dB</div><div>42.12 dB</div><div>52.88 dB</div></div><div><div>Statistics Count</div><div>Out of Tolerance</div><div>Detected Modulation</div><div>Detected Channel Type</div><div>View Filter</div><div>Throughput</div></div><div><div>20 / 20</div><div>0.00 %</div><div>Tx-QAM</div><div>FDD-F</div><div>100.0 %</div></div><div><div>PS</div><div>Connection Established</div><div>Mod. Status</div><div>Connected</div></div><div><div>Go To Local</div><div>Show Remote Screen</div></div></div></div> <div>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0</div> <tr><td>16QAM</td><td><div><div><div>CDW 100 V 3.7.00 - LTE Modem connect 1 - V3.7.30 - 1X Modem connect</div><div><div>Multi Evaluation</div><div>PRACH</div><div>SRS</div></div><div>HD</div><div>Freq: 912.5 MHz</div><div>Ref Level: -41.00 dBm</div><div>Ref 5.0 MHz</div><div>CP: Normal</div><div>Meas Duration: 2.75s</div><div>EVM</div><div><div><div>%</div><div><div>15</div><div>10</div><div>5</div><div>0</div></div><div><div>Current</div><div>Average</div><div>Maximum</div></div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div></div><div>h</div></div><div><div>Spectrum ACLR</div><div><div><div>dBm</div><div><div>30</div><div>20</div><div>10</div><div>0</div><div>-10</div><div>-20</div><div>-30</div></div><div><div>Current E-UTRA</div><div>Current UTRA</div></div></div><div><div>-10</div><div>-5</div><div>0</div><div>5</div><div>10</div></div><div>MHz</div></div><div><div>PS</div><div>Connection Established</div><div>Mod. Status</div><div>Connected</div></div><div><div>Go To Local</div><div>Show Remote Screen</div></div></div></div></div></td></tr>	16QAM	<div><div><div>CDW 100 V 3.7.00 - LTE Modem connect 1 - V3.7.30 - 1X Modem connect</div><div><div>Multi Evaluation</div><div>PRACH</div><div>SRS</div></div><div>HD</div><div>Freq: 912.5 MHz</div><div>Ref Level: -41.00 dBm</div><div>Ref 5.0 MHz</div><div>CP: Normal</div><div>Meas Duration: 2.75s</div><div>EVM</div><div><div><div>%</div><div><div>15</div><div>10</div><div>5</div><div>0</div></div><div><div>Current</div><div>Average</div><div>Maximum</div></div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div></div><div>h</div></div><div><div>Spectrum ACLR</div><div><div><div>dBm</div><div><div>30</div><div>20</div><div>10</div><div>0</div><div>-10</div><div>-20</div><div>-30</div></div><div><div>Current E-UTRA</div><div>Current UTRA</div></div></div><div><div>-10</div><div>-5</div><div>0</div><div>5</div><div>10</div></div><div>MHz</div></div><div><div>PS</div><div>Connection Established</div><div>Mod. Status</div><div>Connected</div></div><div><div>Go To Local</div><div>Show Remote Screen</div></div></div></div></div>		
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Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0








QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	

QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>




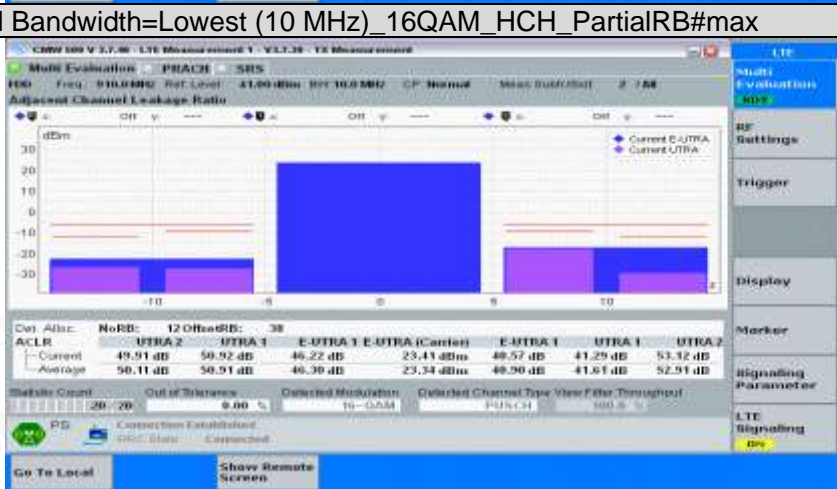
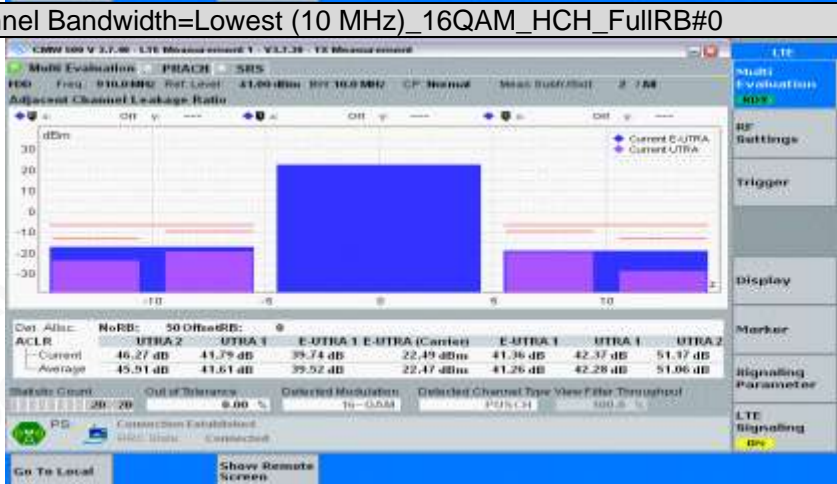
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullIRB#0</p>
16QAM	



## 5. Transmitter Spurious Emissions

### Test Result

NTNV

**Channel Bandwidth=Lowest (1.4 MHz)**

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth= (5 MHz)**

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth=Highest (10 MHz)**

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

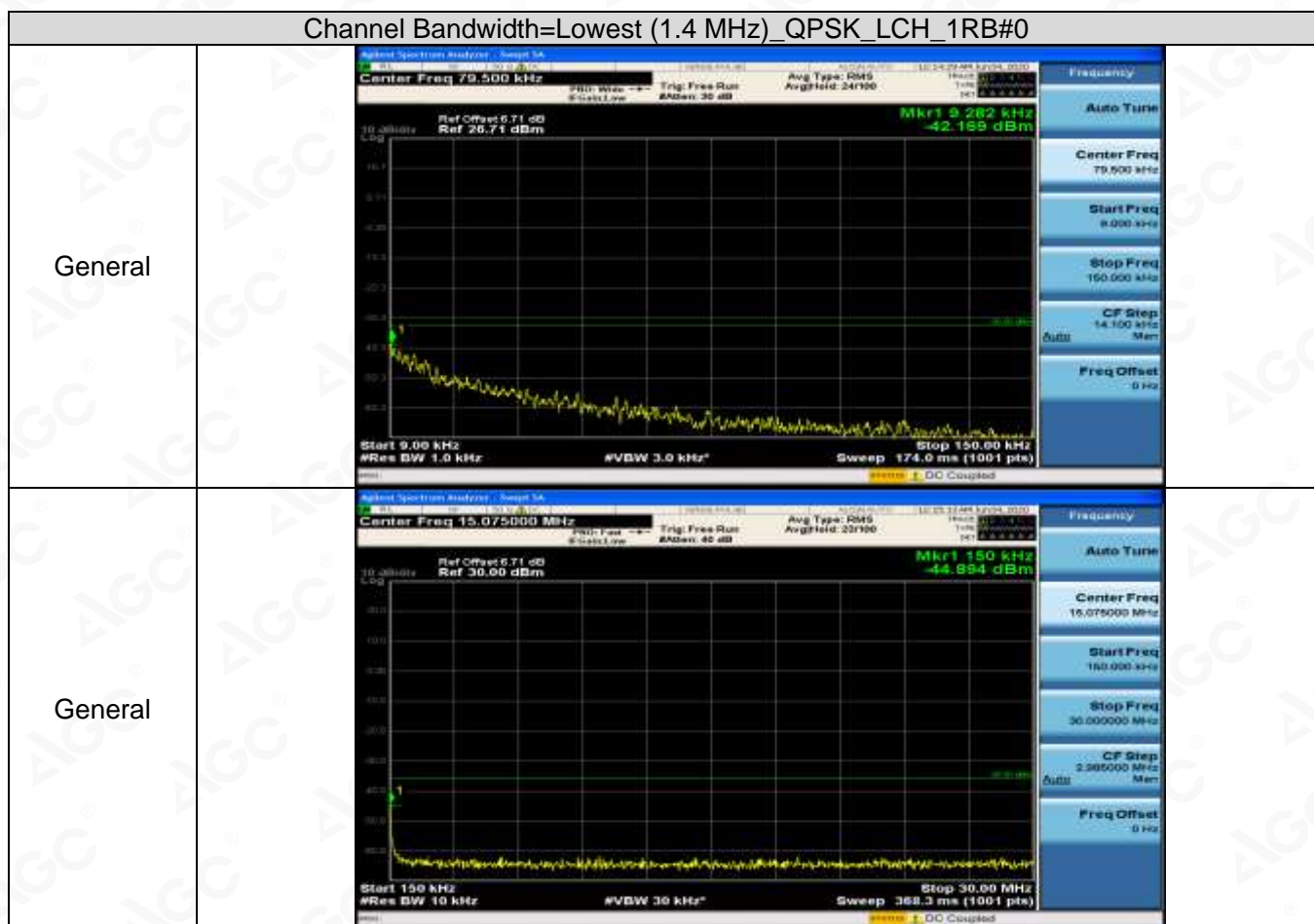


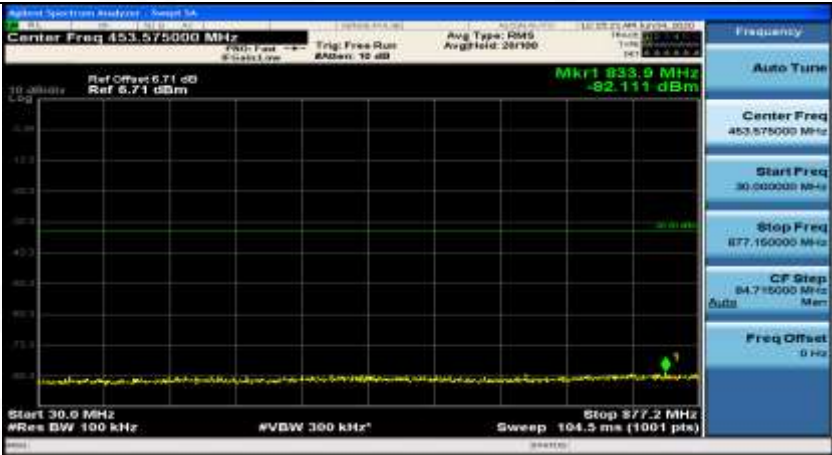
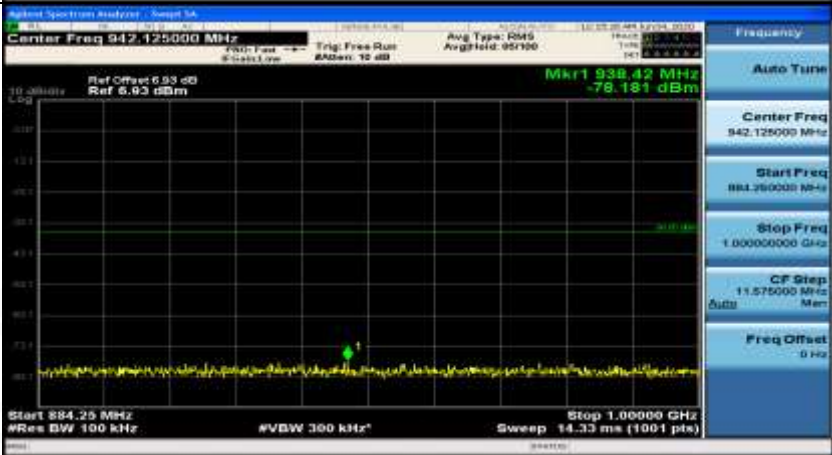

			Full	0	PUMAX	Pass
		High range	1	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass

## Test Graphs

NTNV


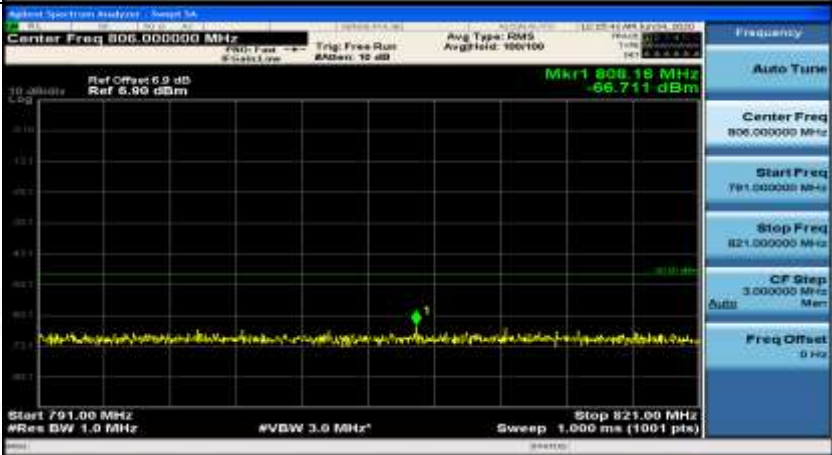
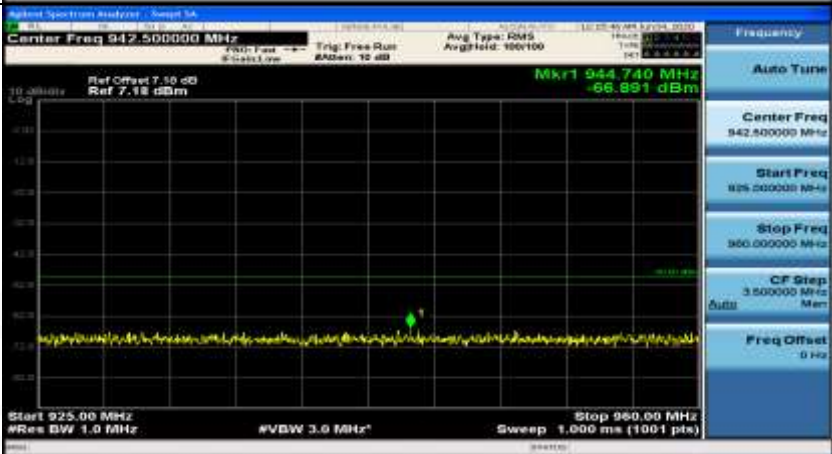
Channel Bandwidth=Lowest (1.4 MHz)

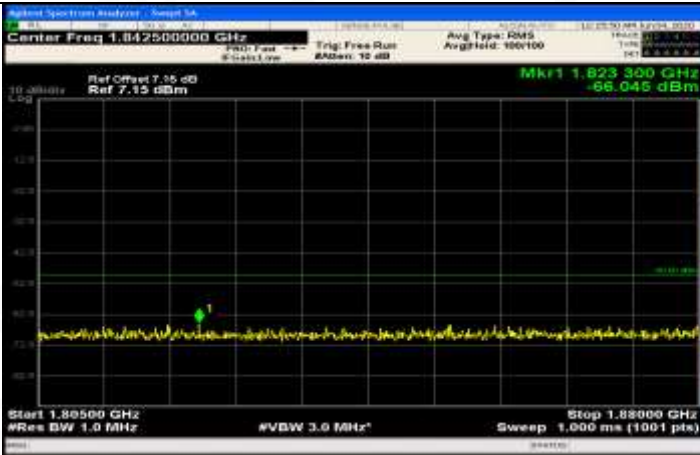
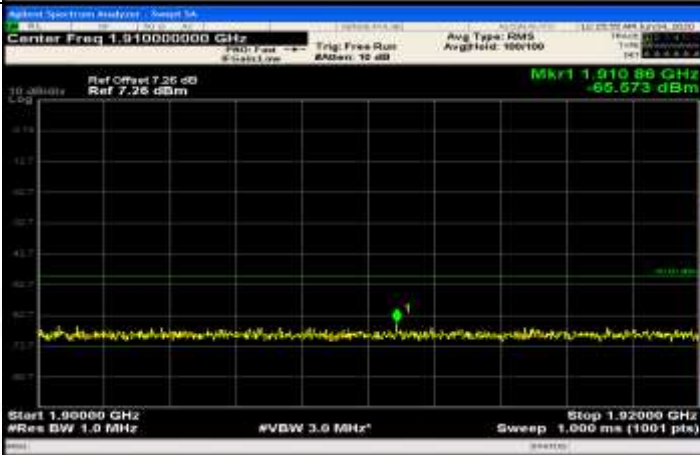
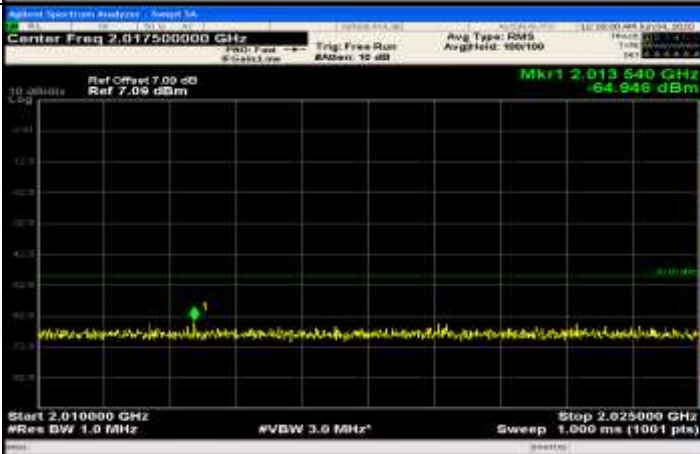


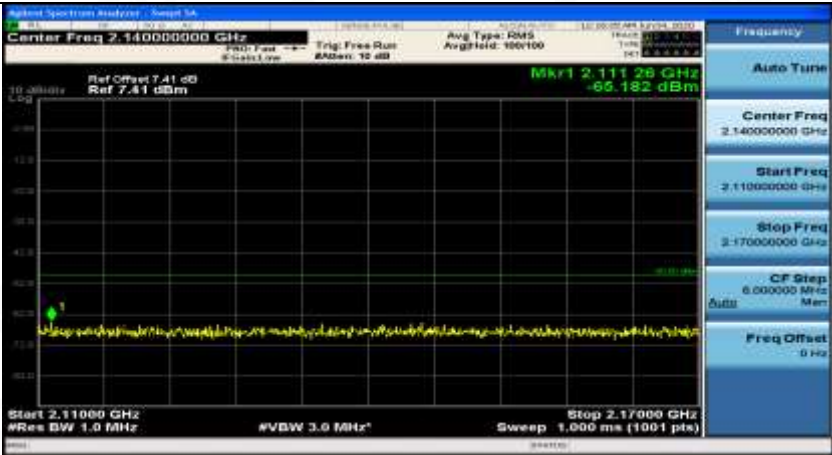
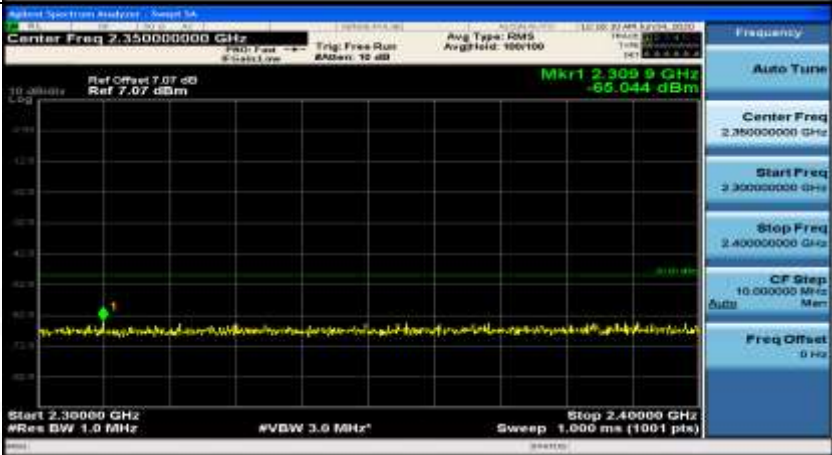
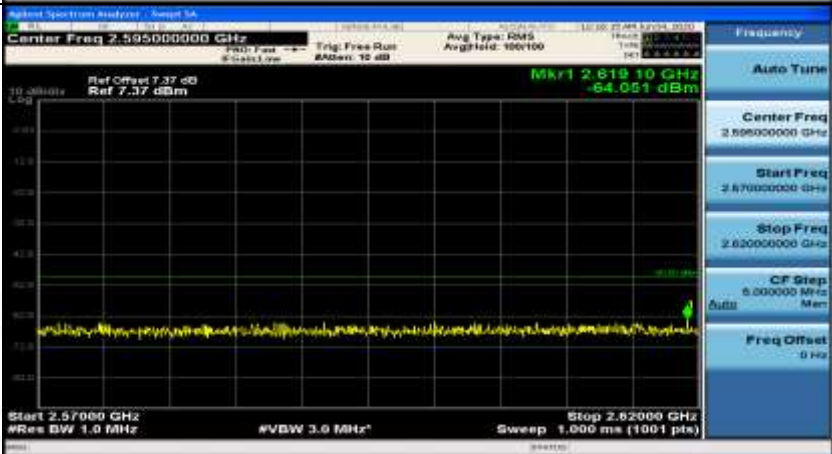
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General	
General	





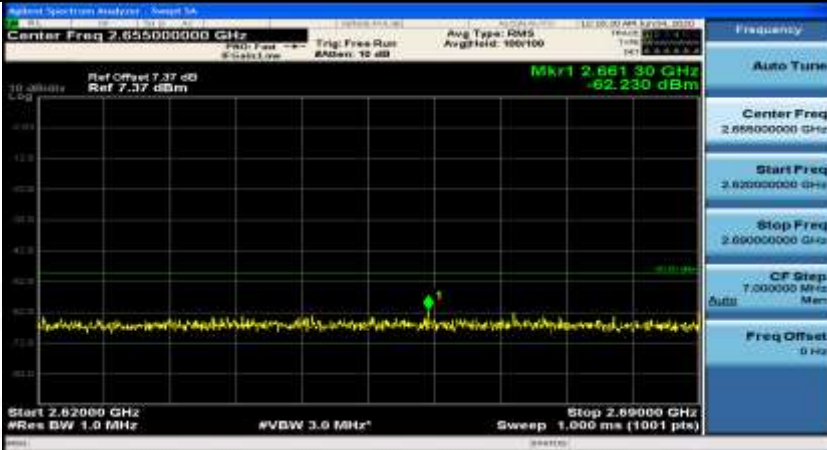
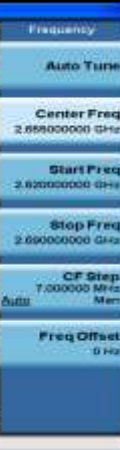
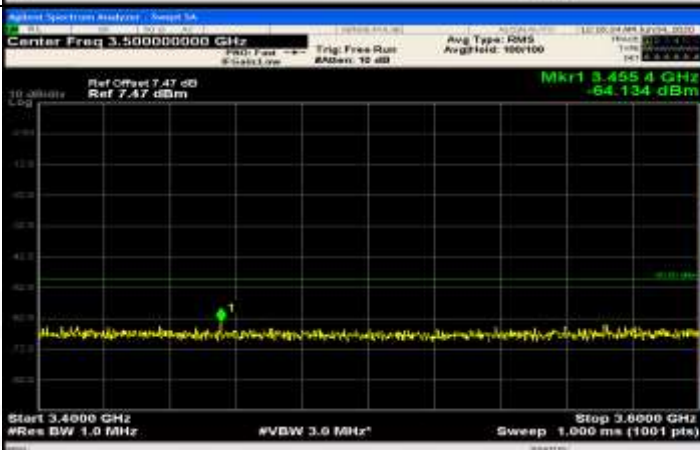
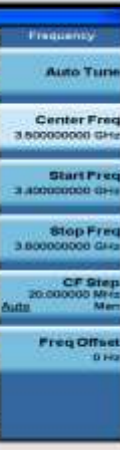
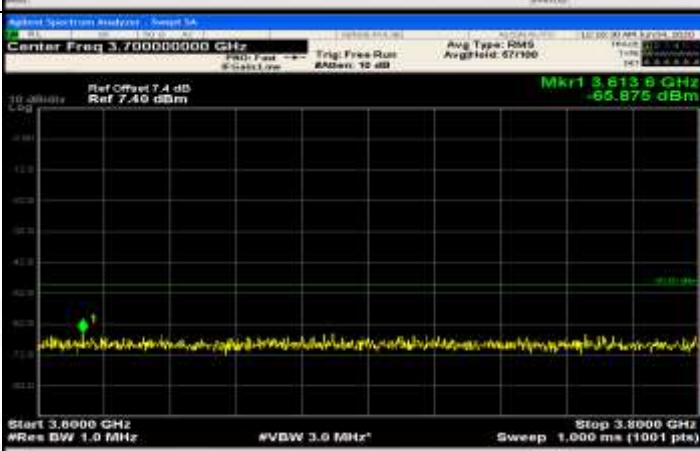

General	
Co-existence	
Co-existence	

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Co-existence	



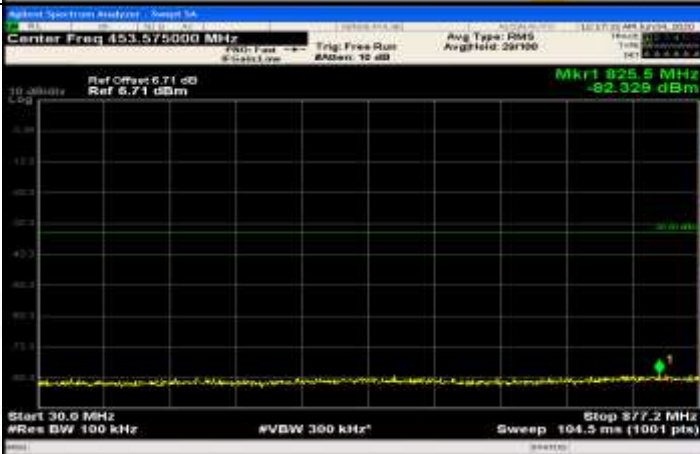


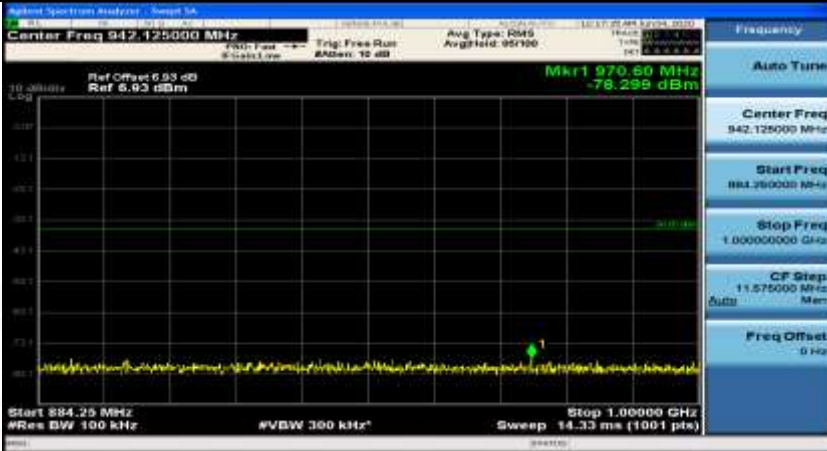




Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_1RB#max

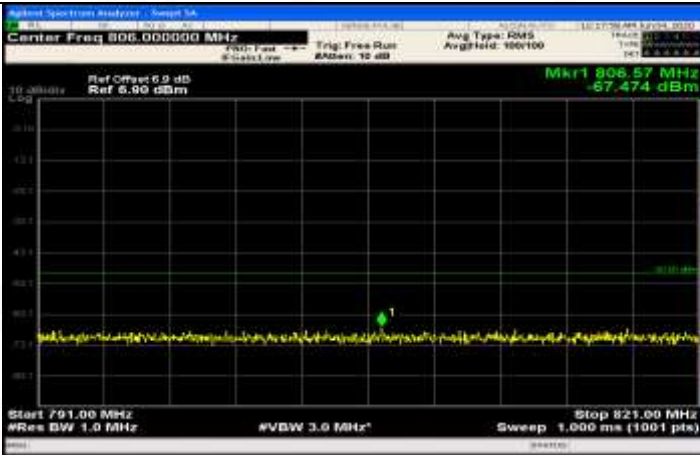
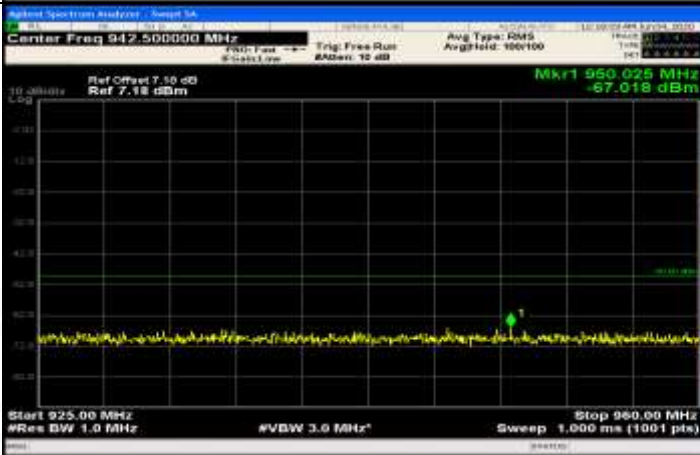
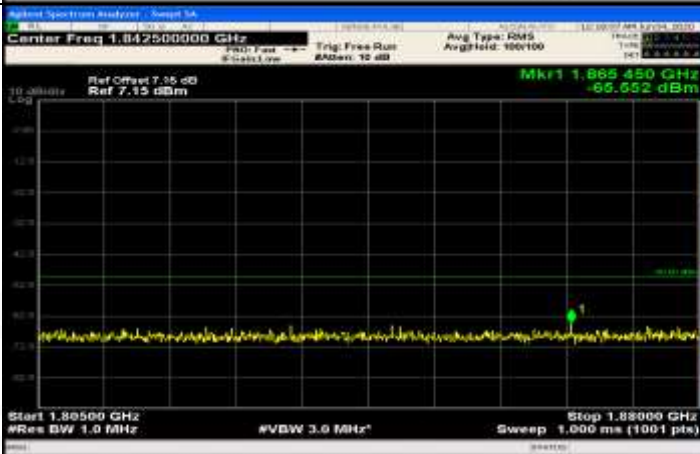


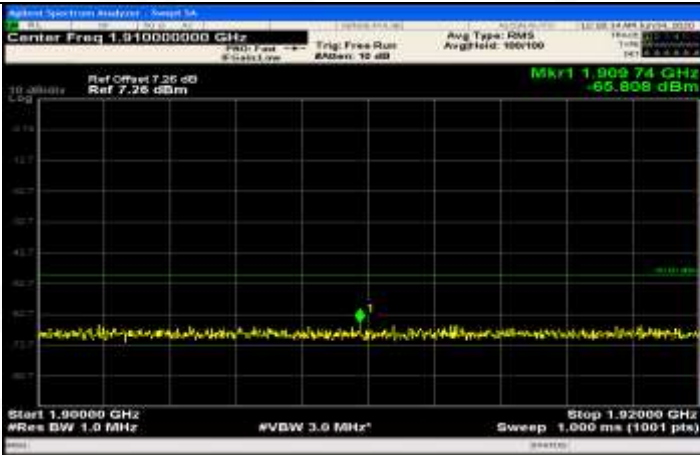
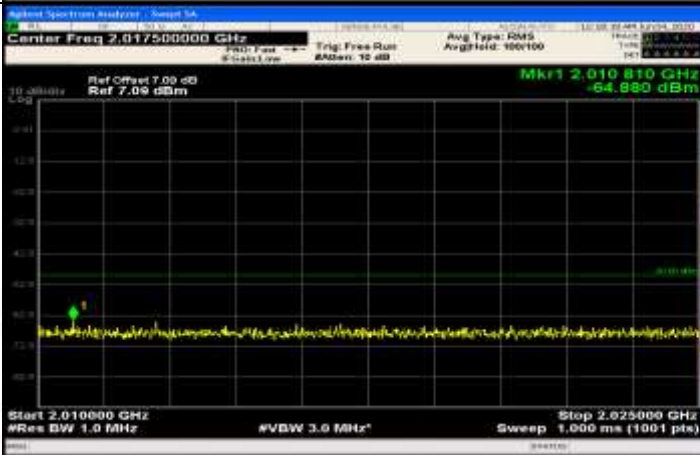
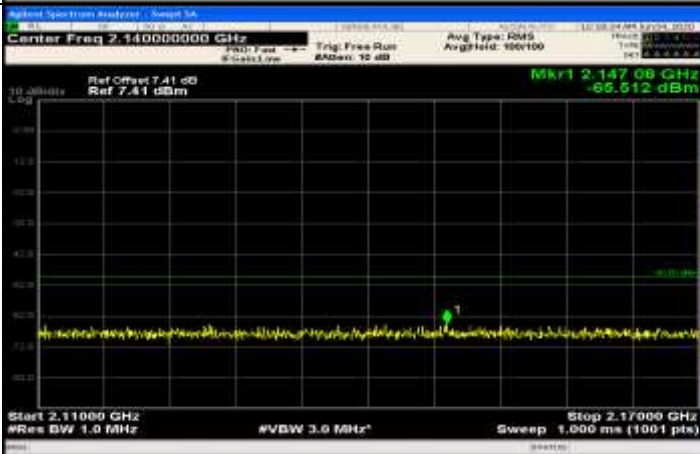
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General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 453.575000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 877.150000 MHz</p> <p>CF Step 84.715000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

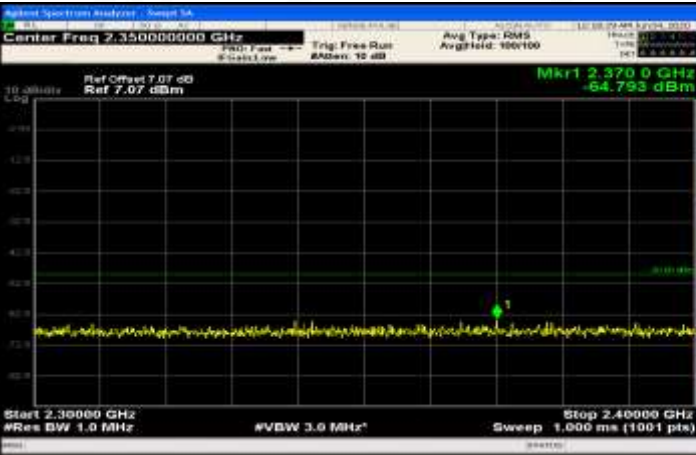
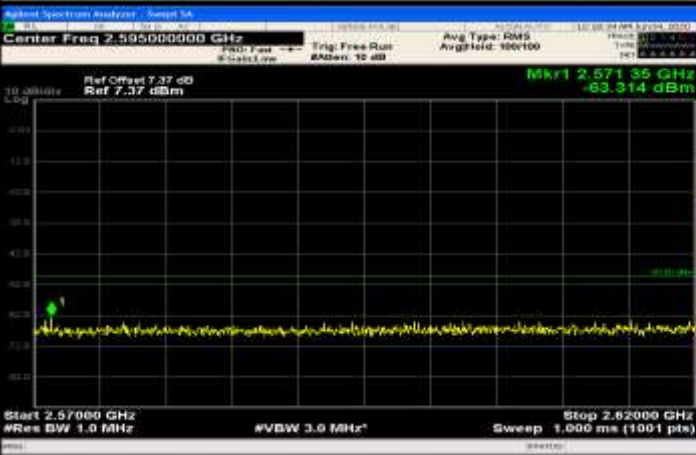
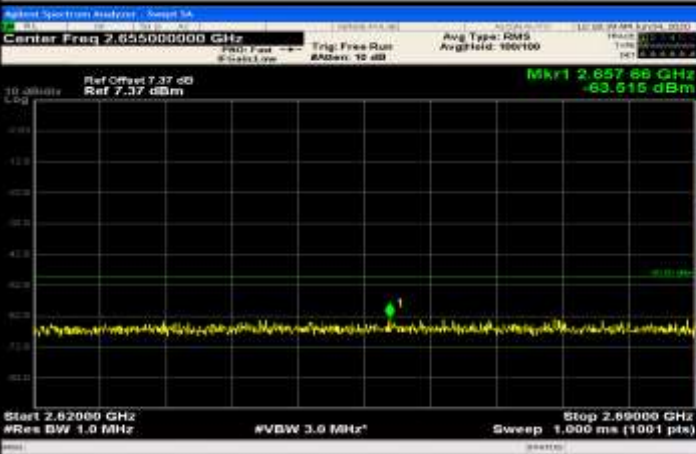
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General	
General	



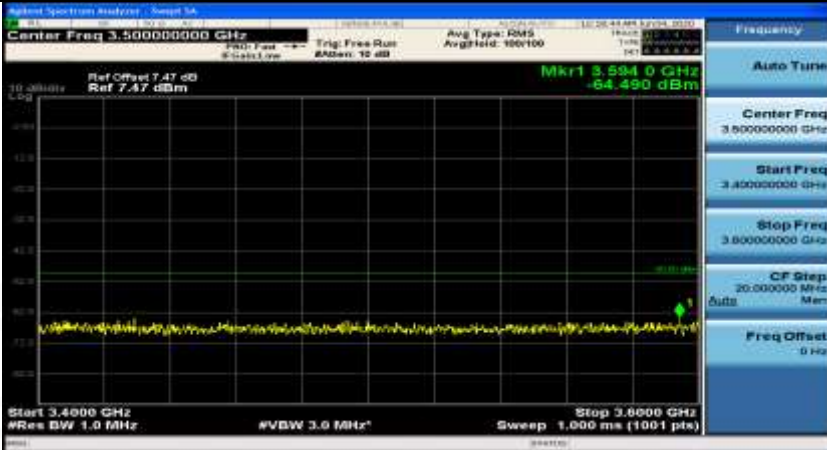
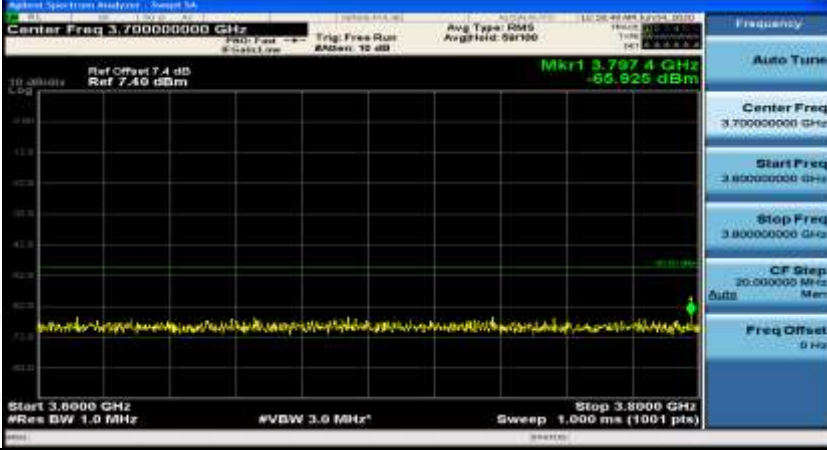



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 935.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>


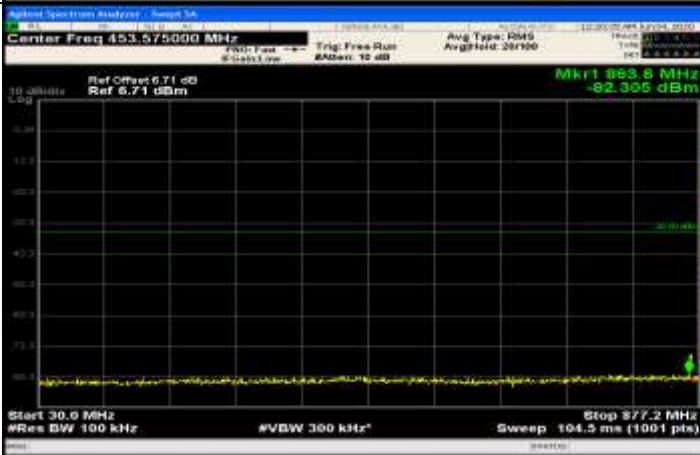
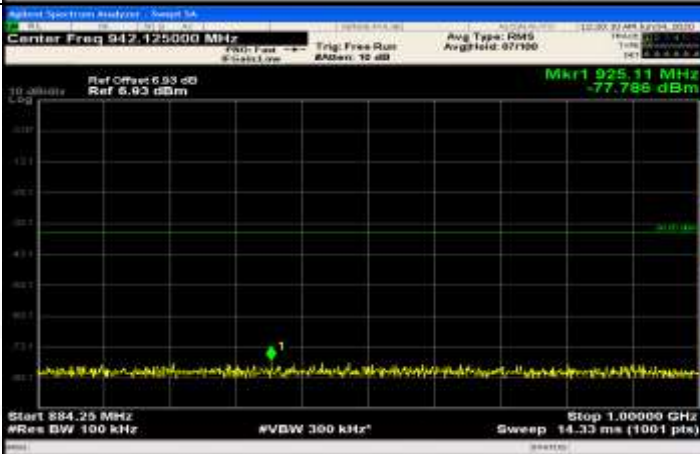
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



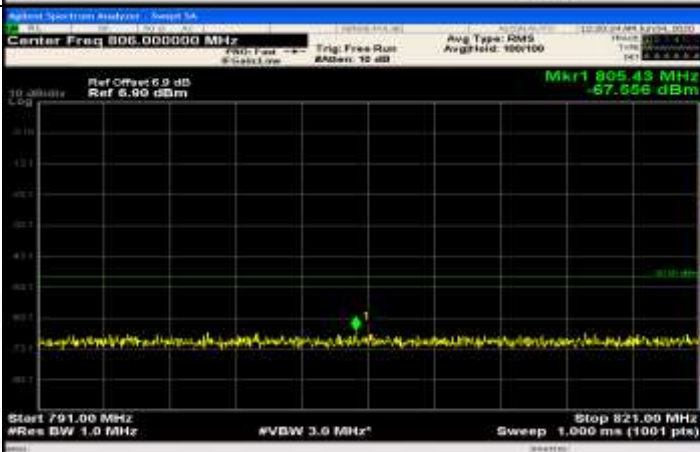
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.55000000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65000000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



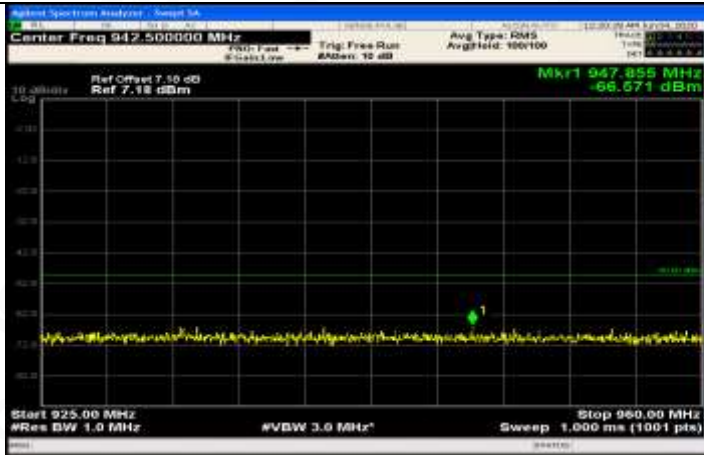
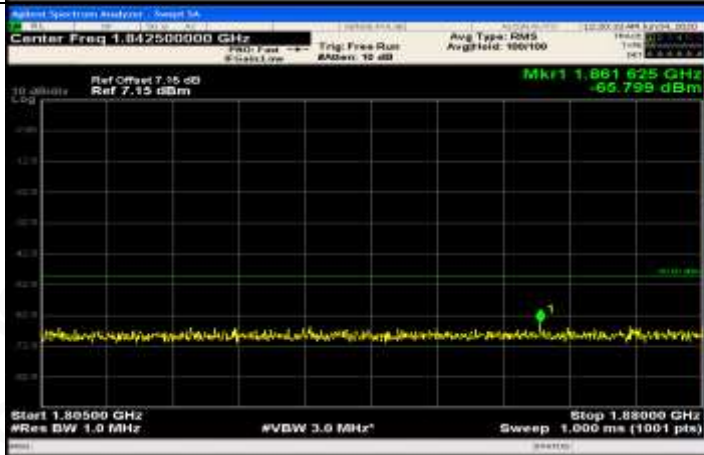
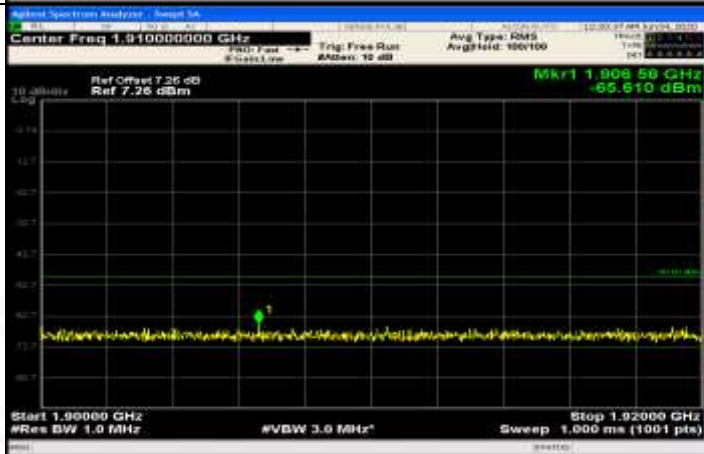
Co-existence	
Co-existence	
Additional	NA

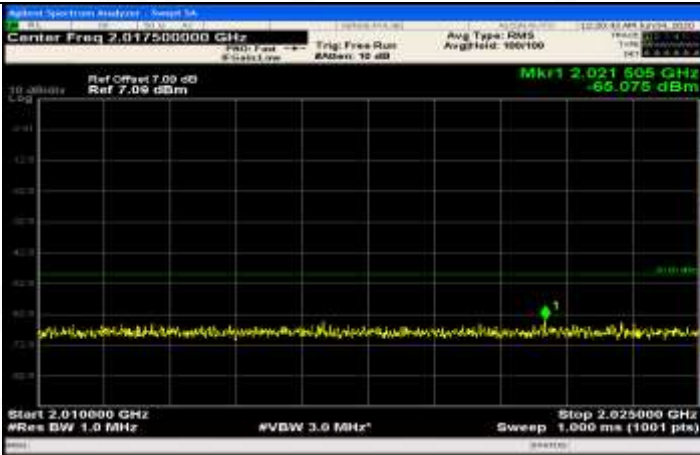
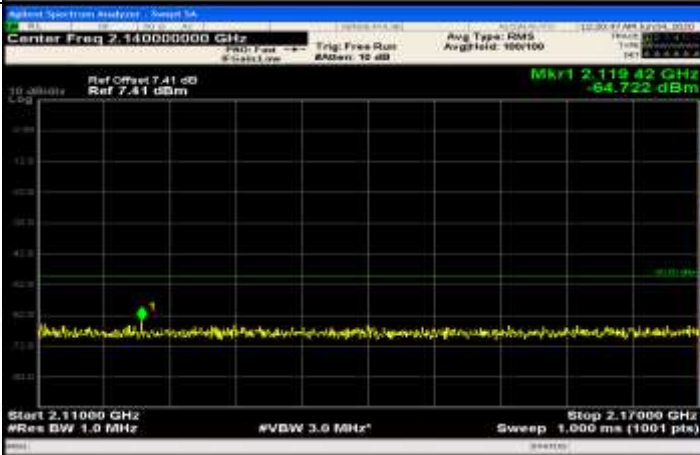
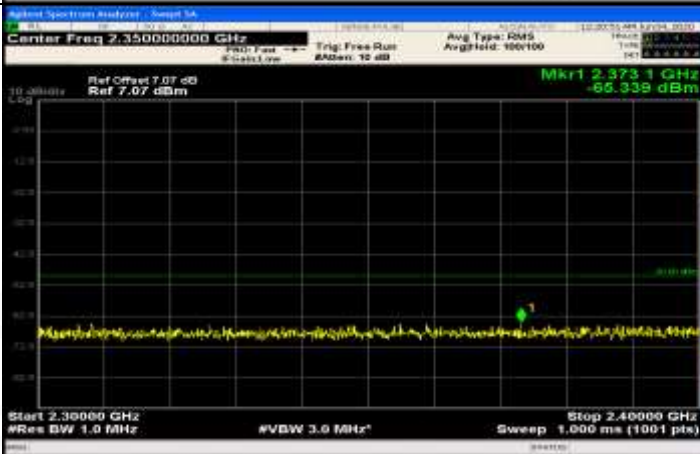
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0	
General	

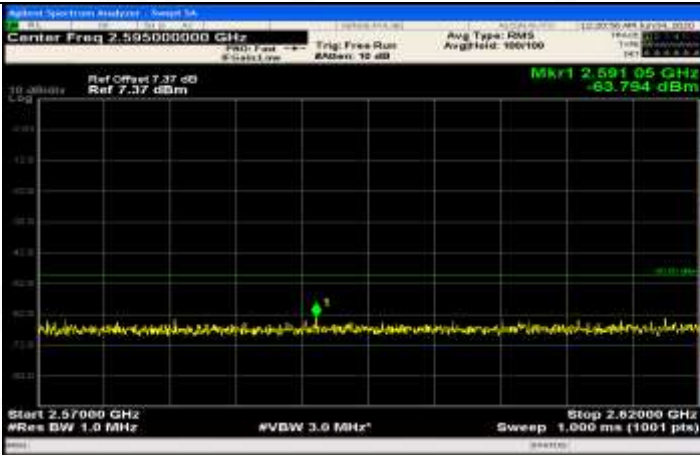
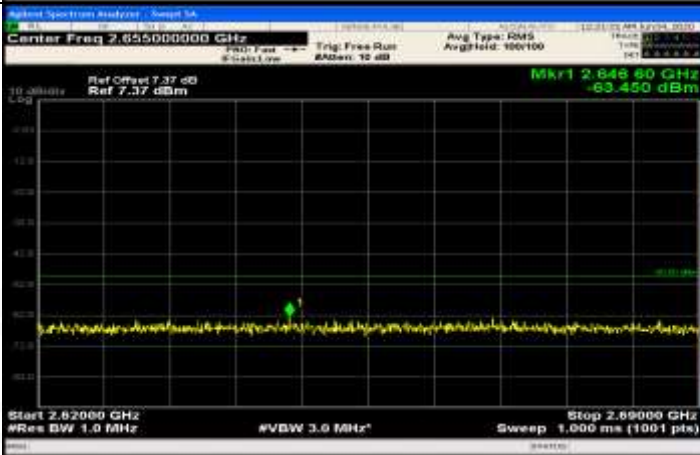
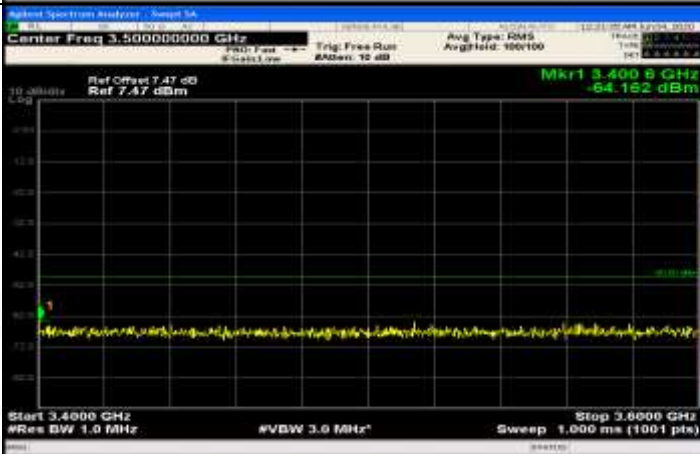
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 453.575000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 877.150000 MHz</p> <p>CF Step 84.750000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.125000 MHz</p> <p>Start Freq 883.750000 GHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 11.575000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.00000000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 3.258 GHz -68.976 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.667 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 3.00000000 GHz Start Freq 1.00000000 GHz Stop Freq 5.00000000 GHz CF Step 400.000000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.07 dBm Mkr1 12.26175 GHz -67.797 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 8.87500000 GHz Start Freq 5.00000000 GHz Stop Freq 12.75000000 GHz CF Step 775.000000 MHz Auto Mem Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 805.43 MHz -67.556 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 806.000000 MHz Start Freq 791.000000 MHz Stop Freq 821.000000 MHz CF Step 3.000000 MHz Auto Mem Freq Offset 0 Hz</p>

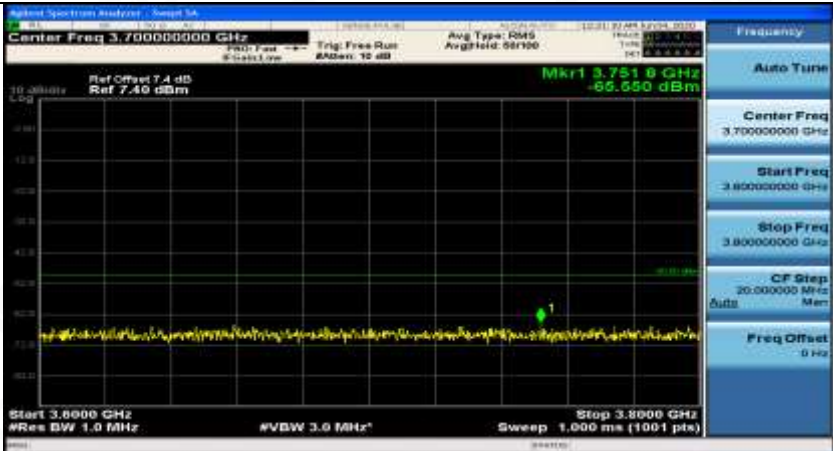


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



Co-existence	
Co-existence	
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Co-existence	
Co-existence	
Co-existence	

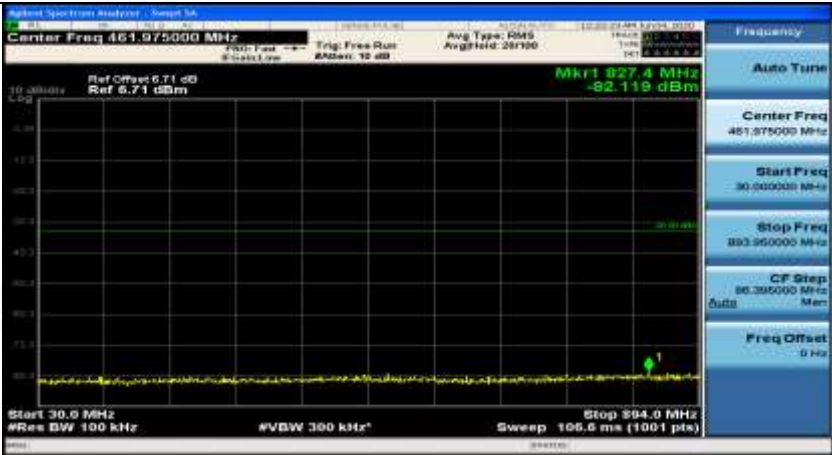
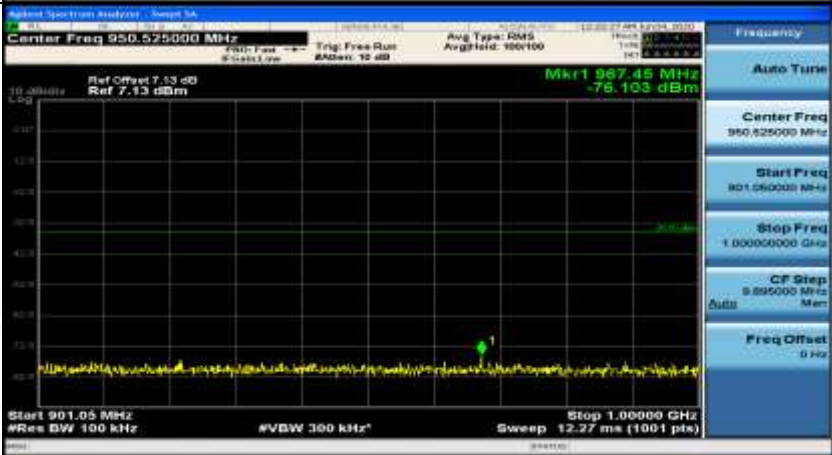




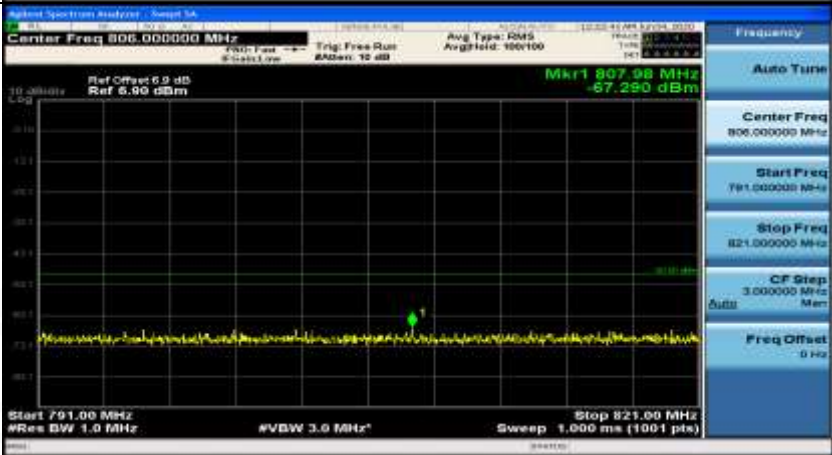
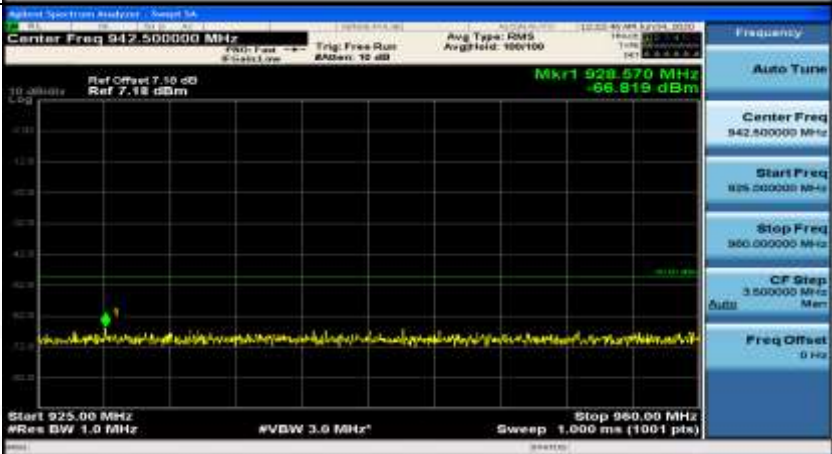
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_1RB#0

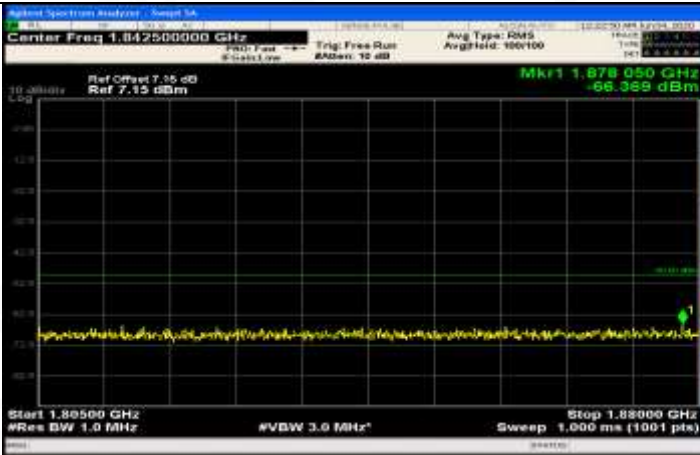
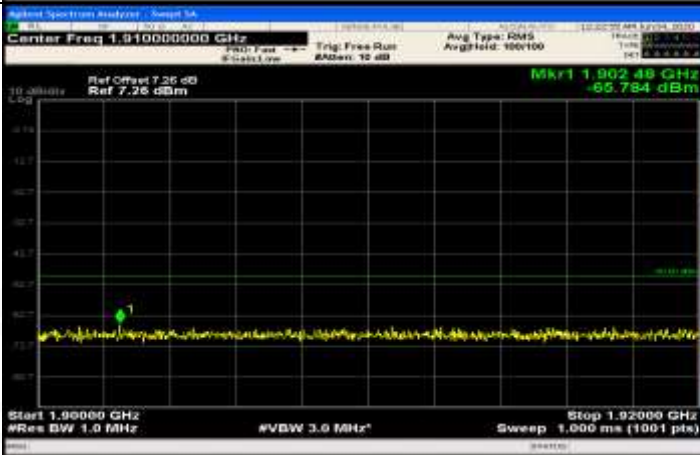
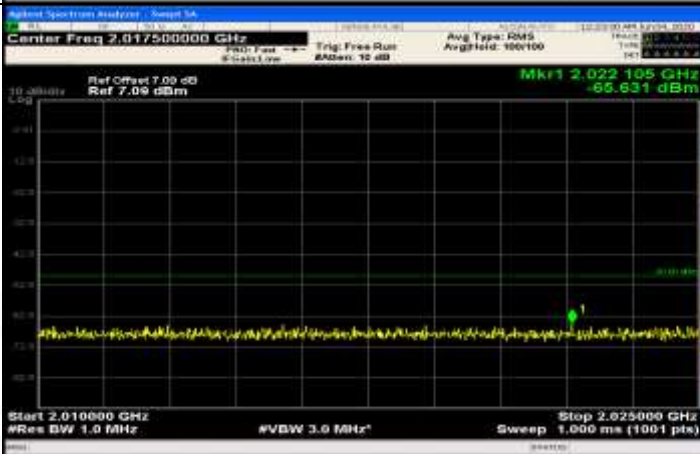
General	
General	

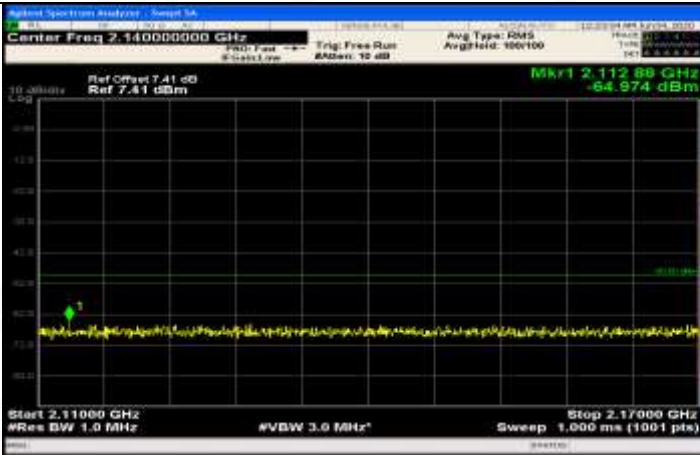
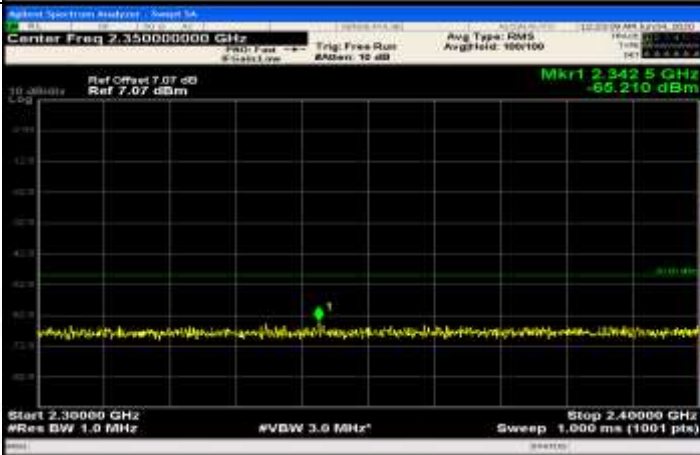
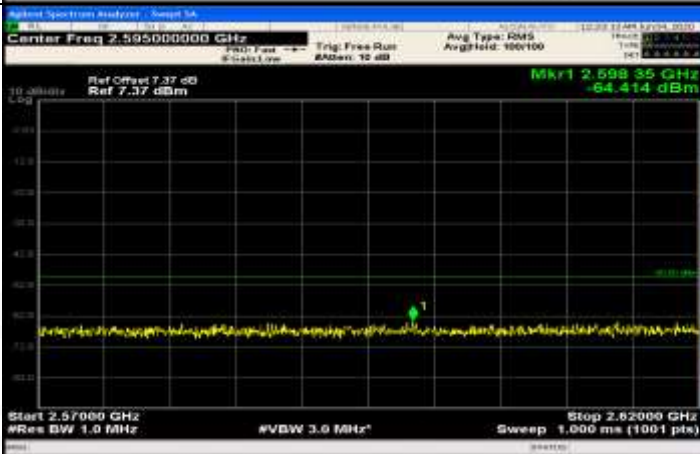


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 461.975000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 927.4 MHz -82.119 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 994.0 MHz Sweep 106.6 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 950.525000 MHz Ref Offset 7.13 dB Ref 7.13 dBm Mkr1 987.45 MHz -75.103 dBm Start 901.05 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.00000 GHz Sweep 12.27 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.19 dB Ref 7.19 dBm Mkr1 4.580 GHz -69.226 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p>

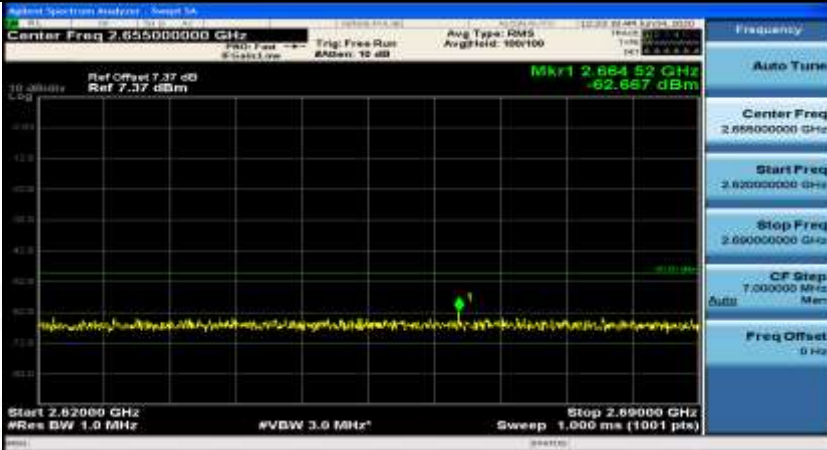
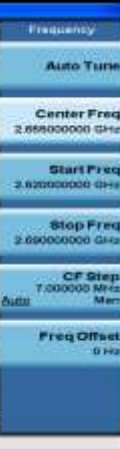
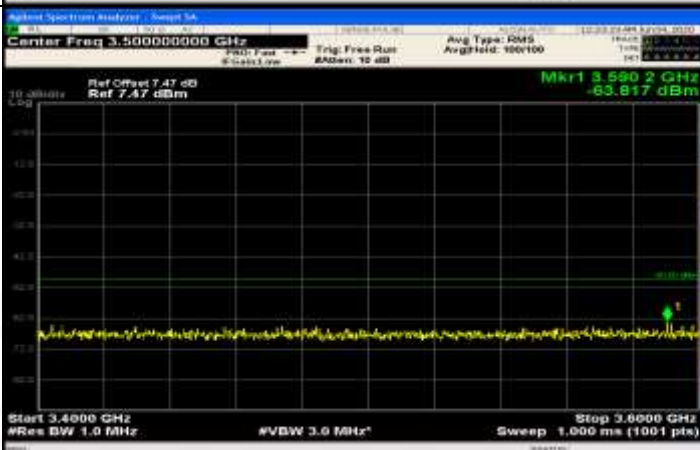
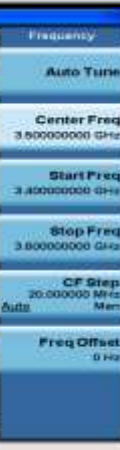
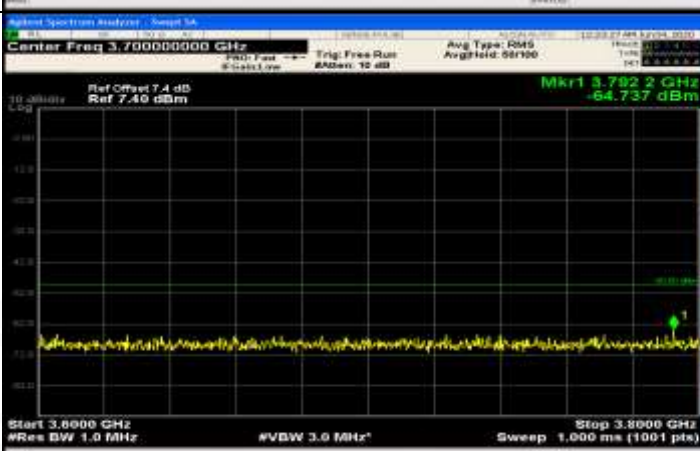

General	
Co-existence	
Co-existence	



Co-existence	
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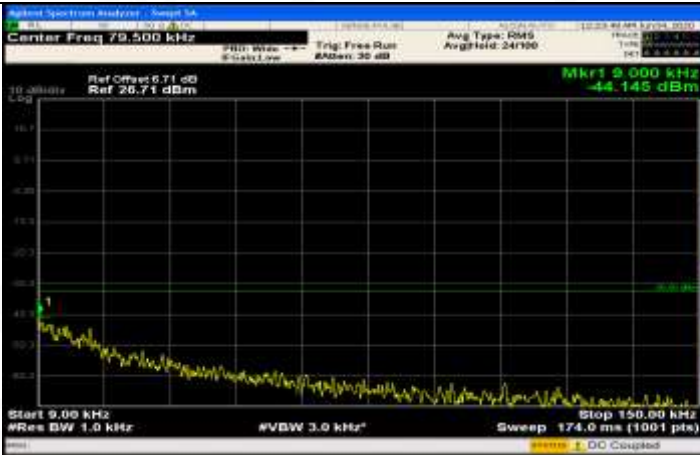

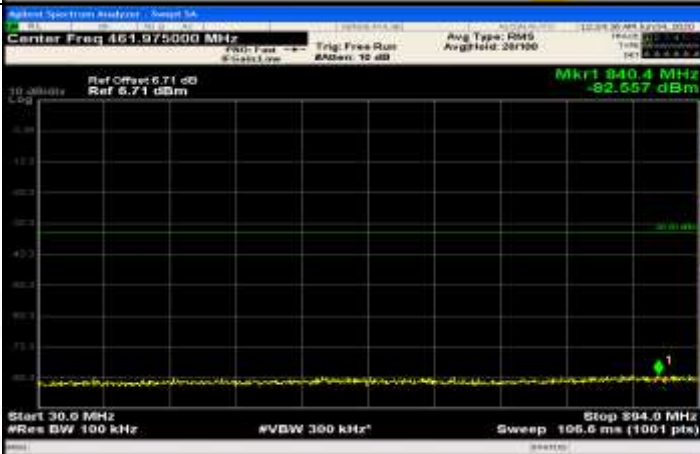


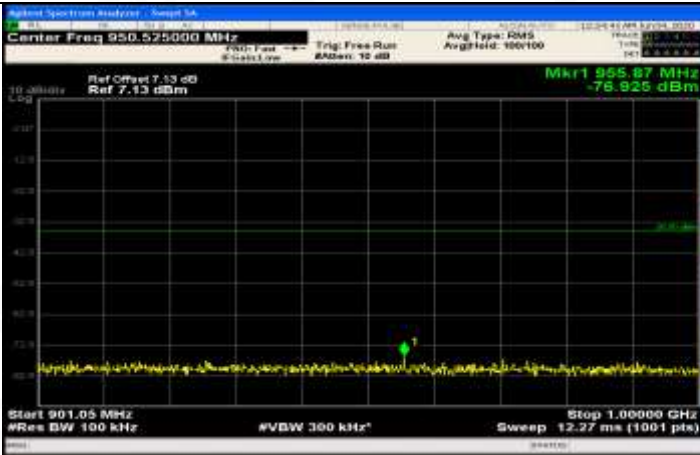


Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_1RB#max

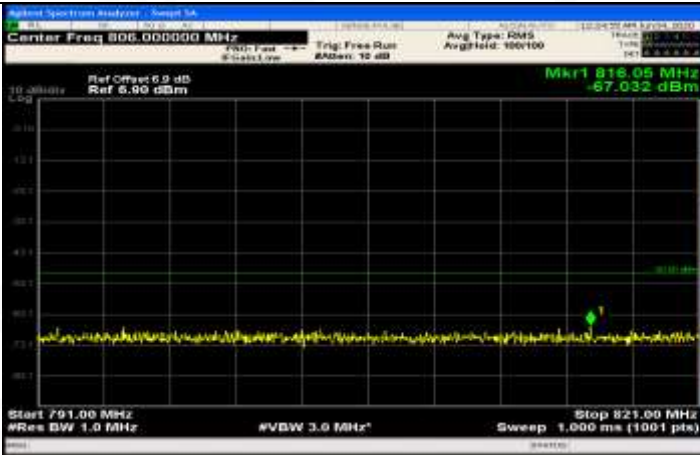
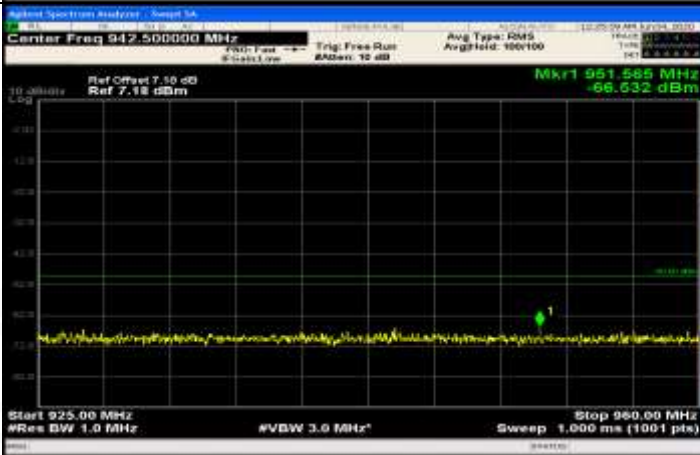
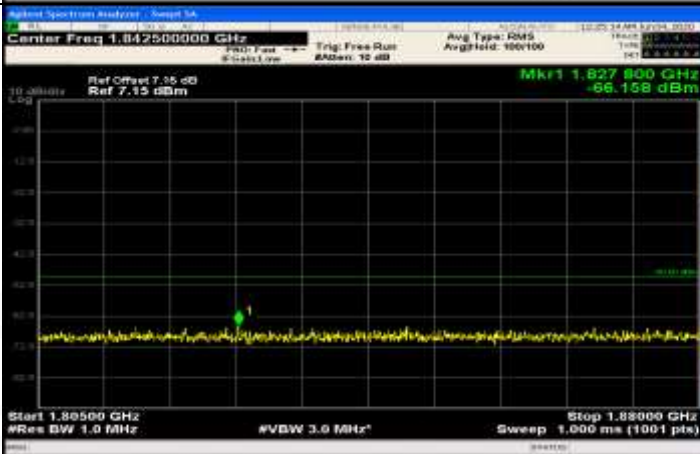




General	
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General	

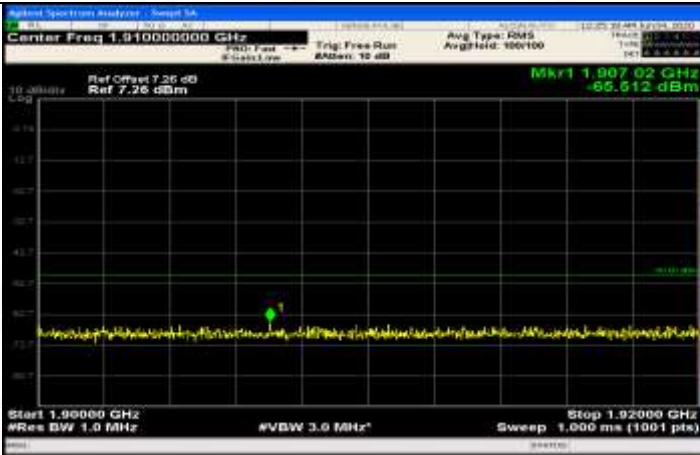
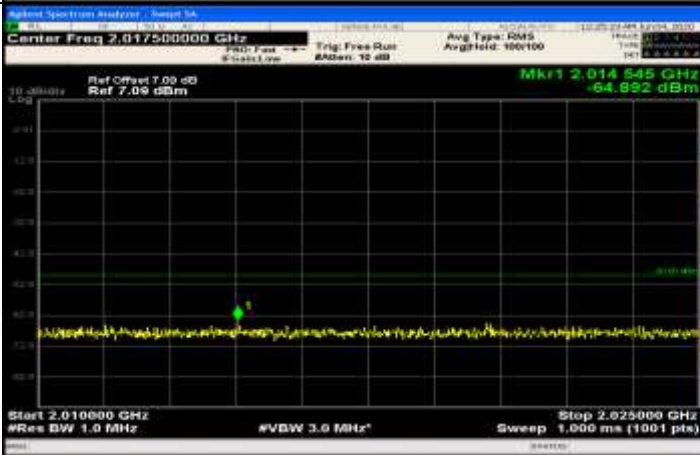
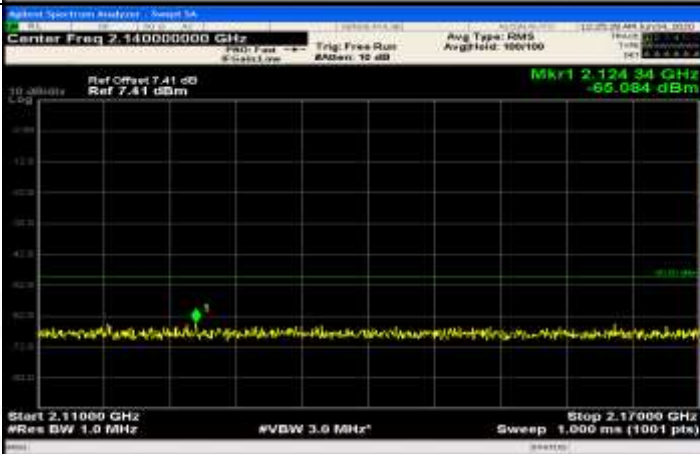
General	
General	
General	

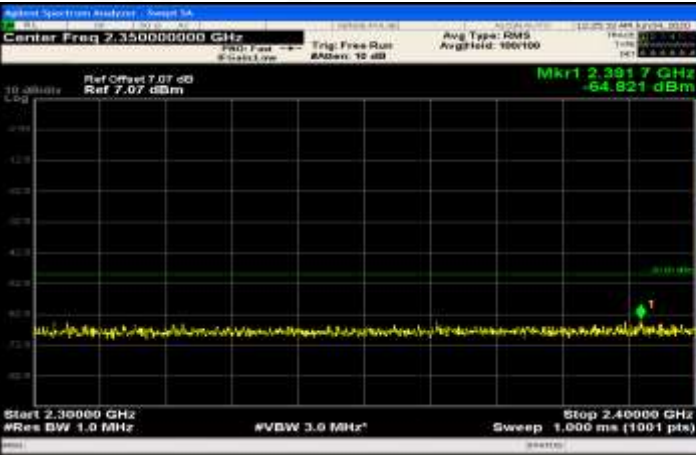
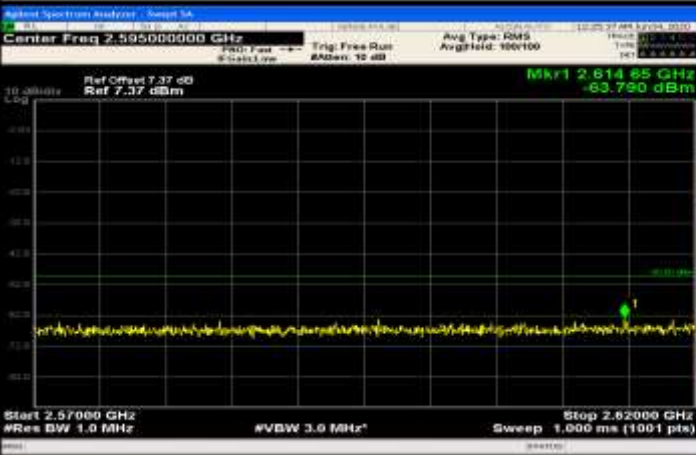
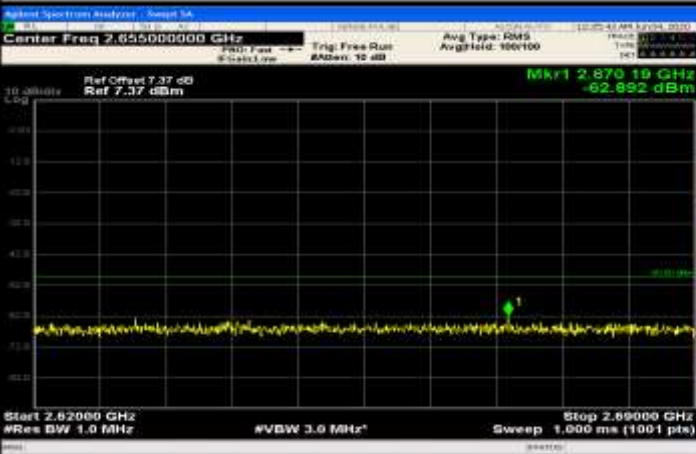



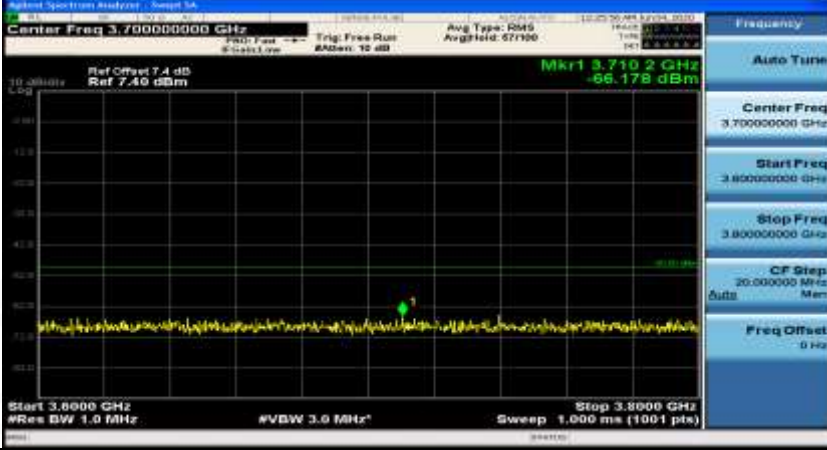
Co-existence	
Co-existence	
Co-existence	





Co-existence	
Co-existence	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>


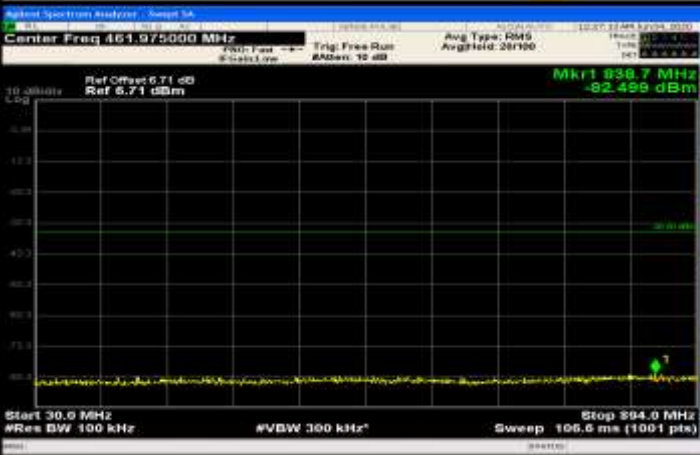
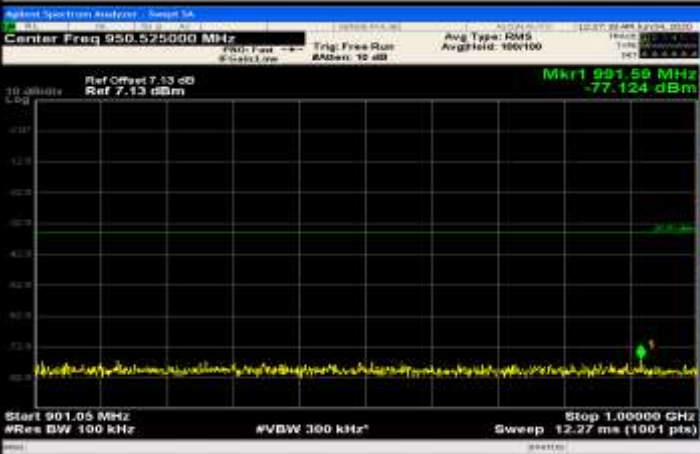
Co-existence	
Co-existence	
Additional	NA



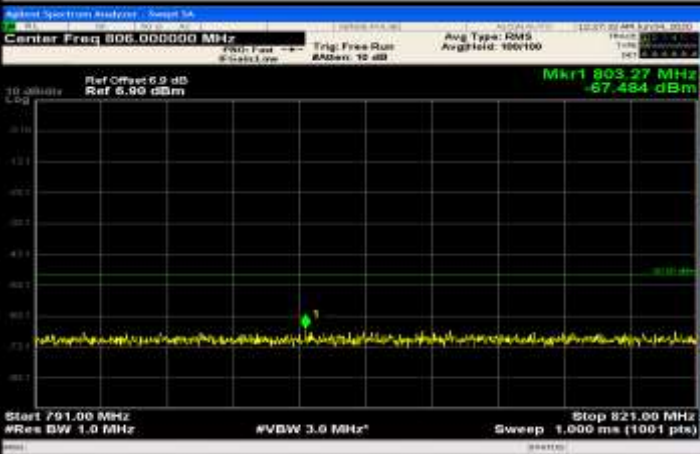
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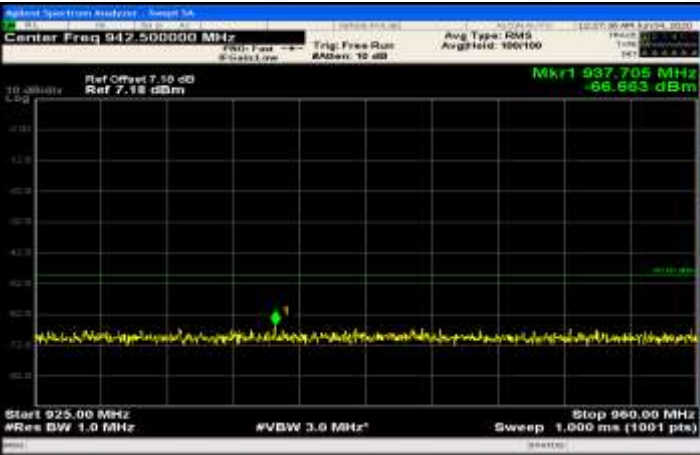
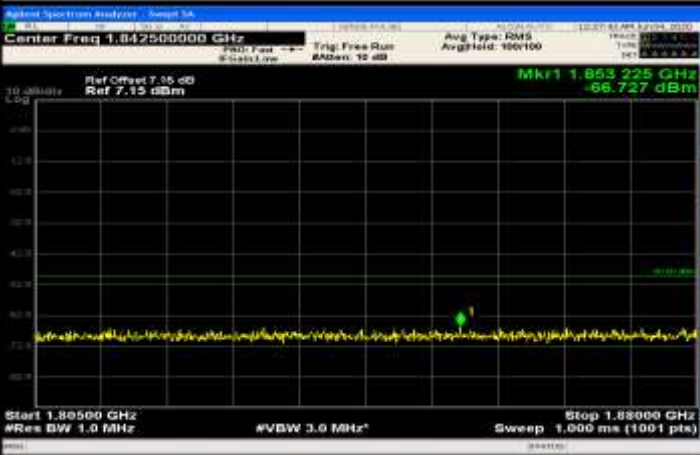
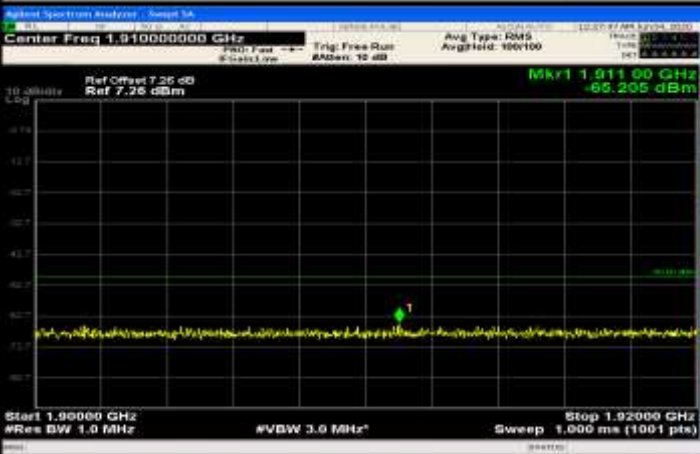
General	
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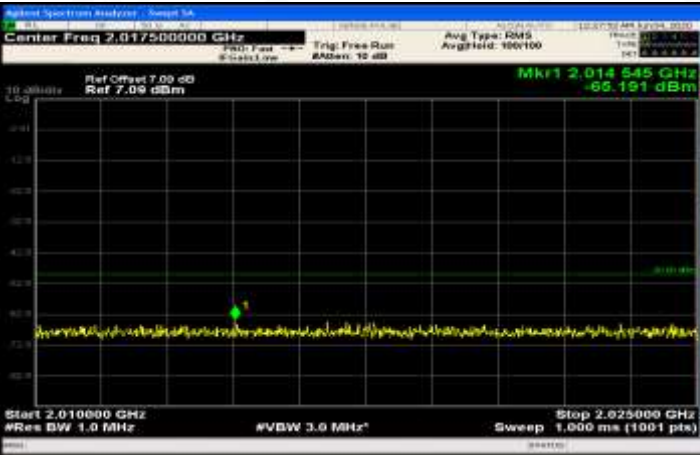
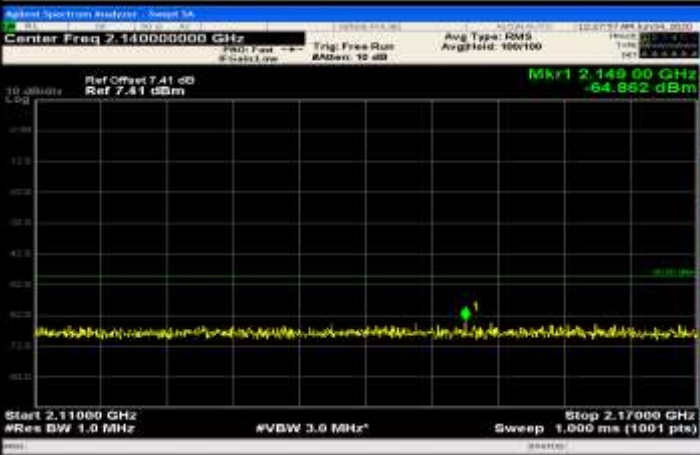
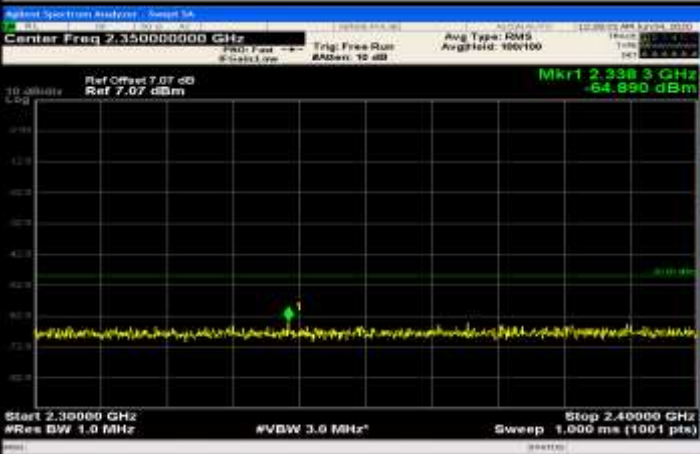


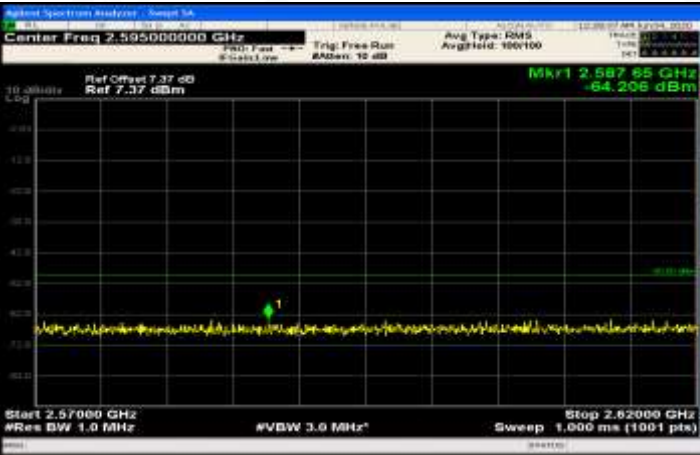
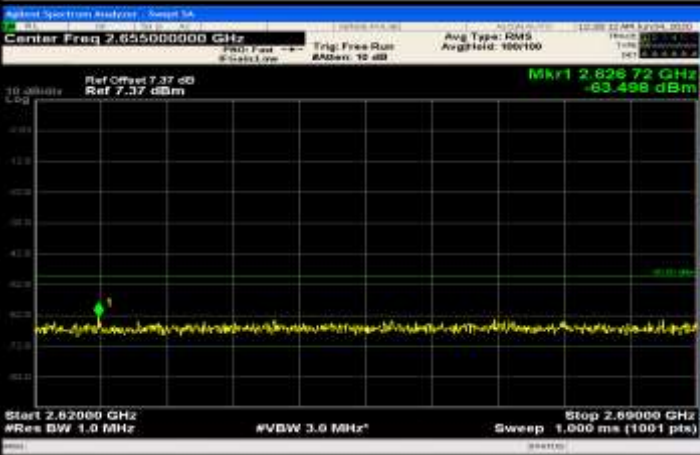
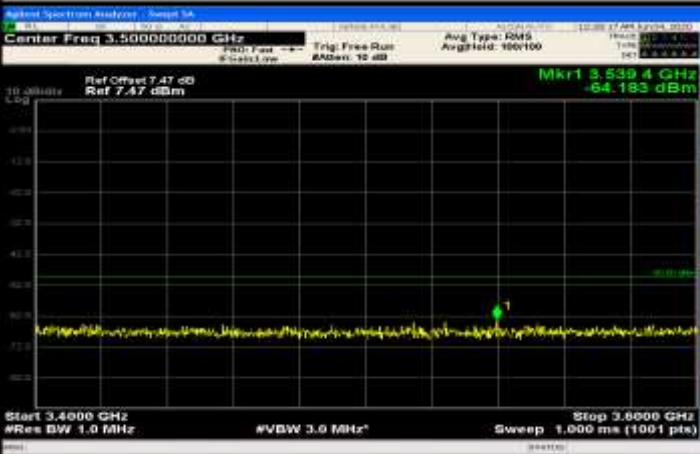
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General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 461.975000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 883.960000 MHz</p> <p>CF Step 88.385000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 950.525000 MHz</p> <p>Start Freq 801.060000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 9.895000 MHz</p> <p>Freq Offset 0 Hz</p>

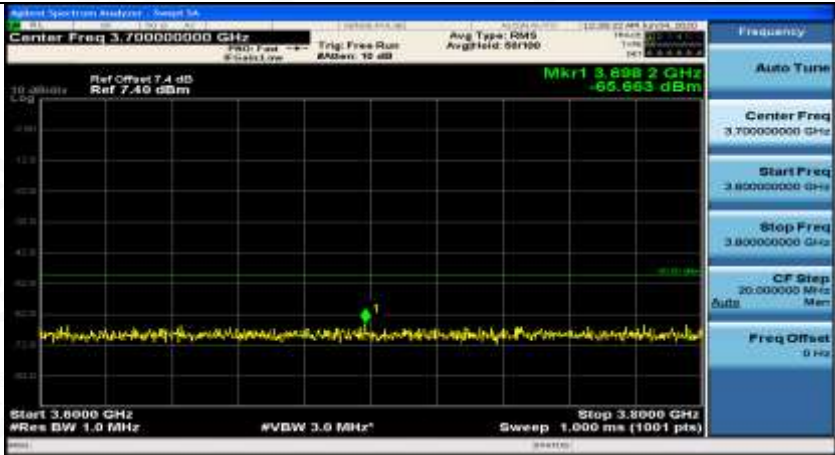
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.00000000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 400.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 5.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.835000000 GHz</p> <p>Stop Freq 1.850000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>




Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.655000000 GHz</p> <p>Start Freq 2.620000000 GHz</p> <p>Stop Freq 2.690000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.500000000 GHz</p> <p>Start Freq 3.400000000 GHz</p> <p>Stop Freq 3.600000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

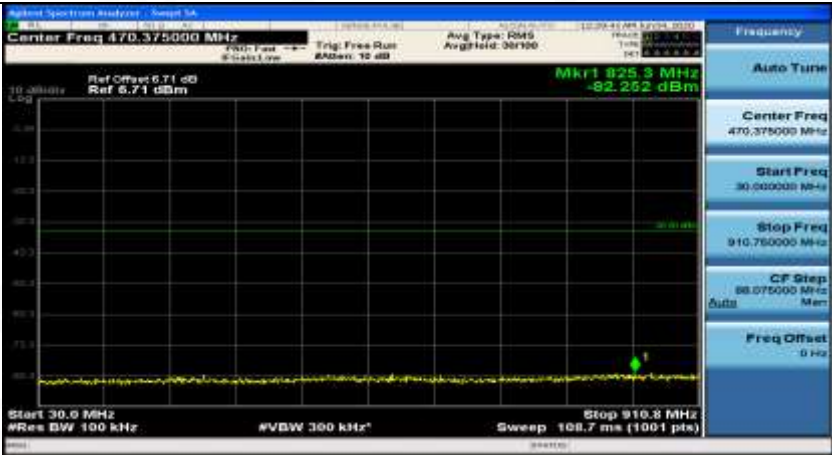
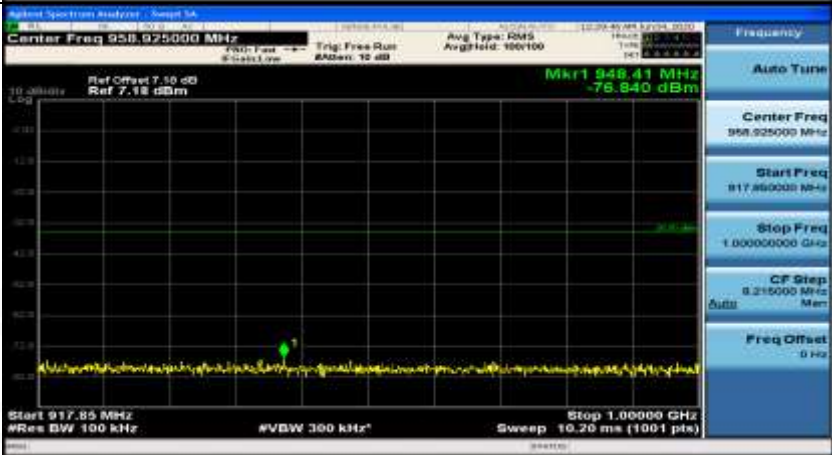
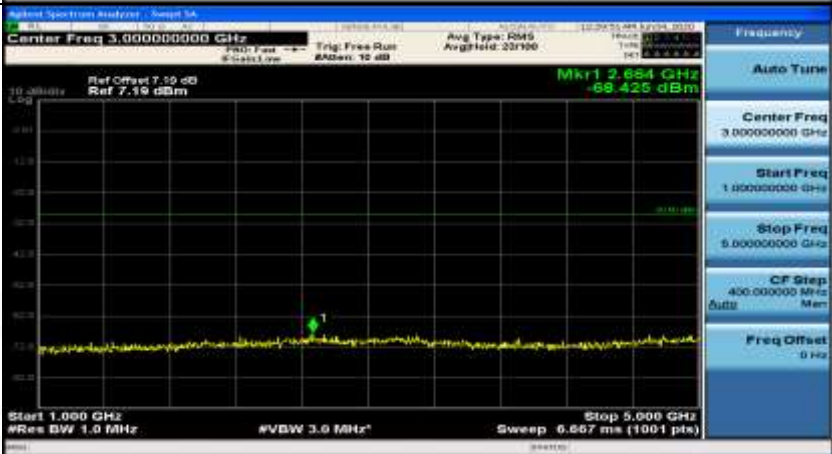
Co-existence	
Additional	NA


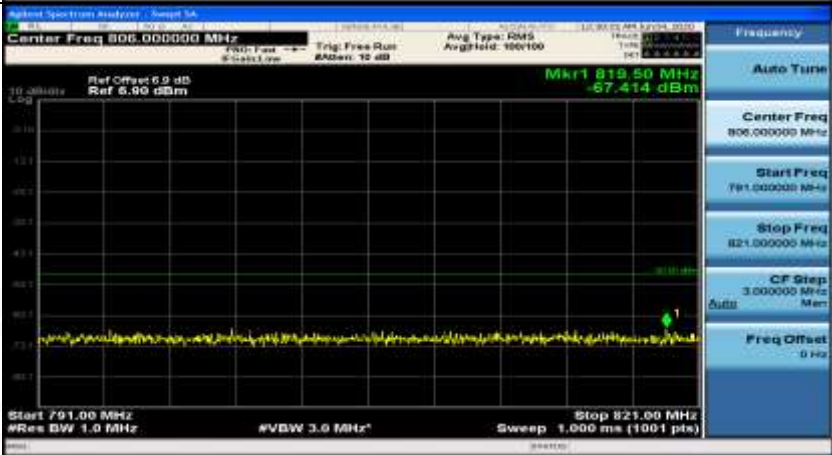
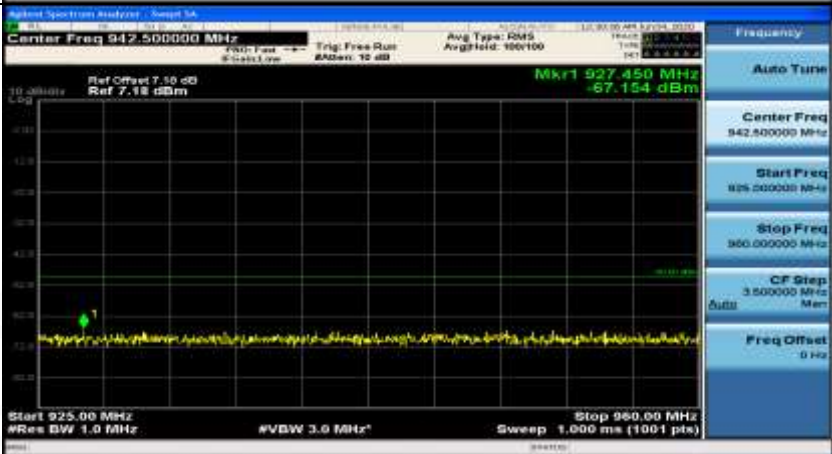
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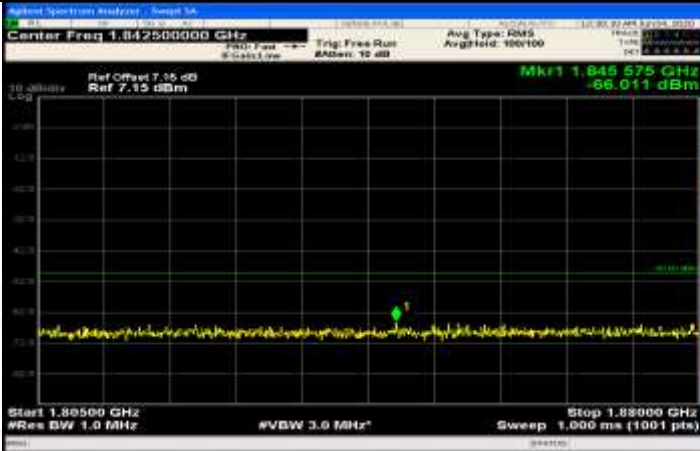
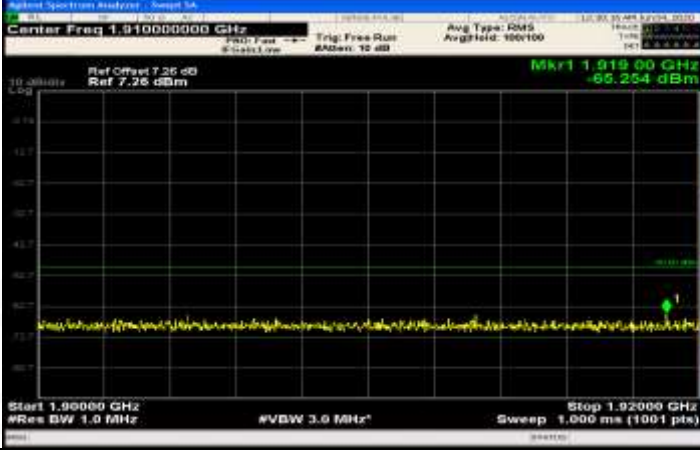

General	
General	



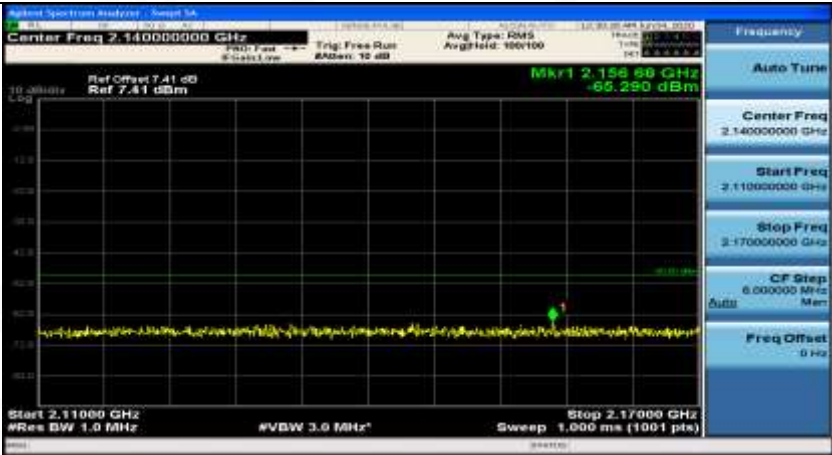
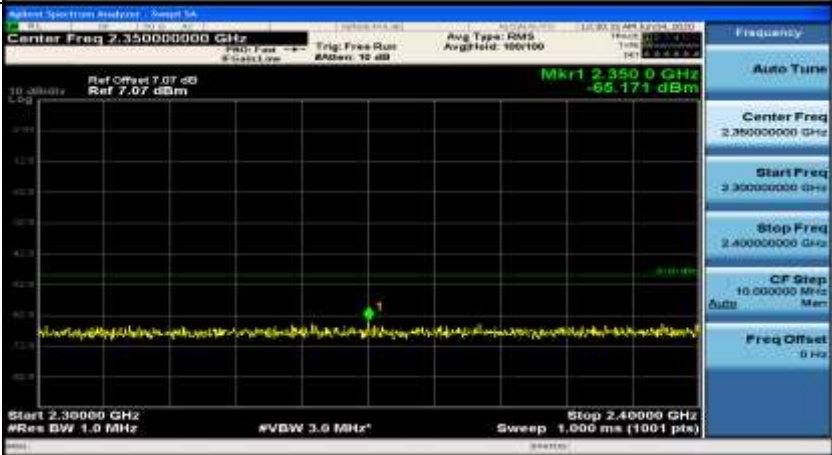
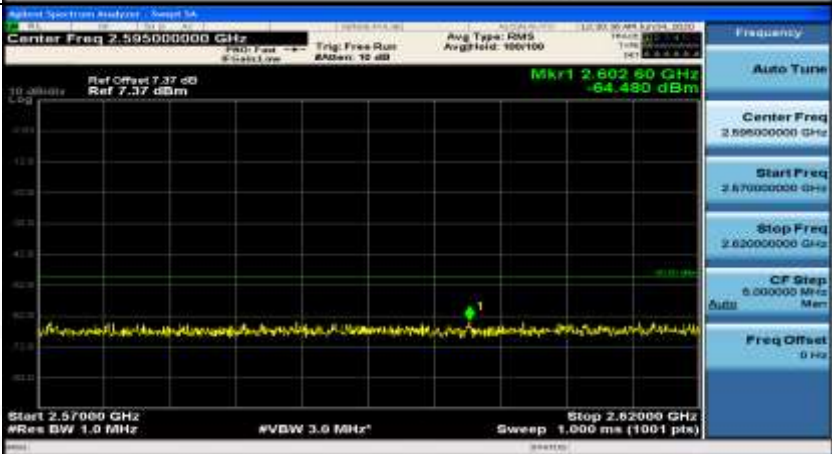


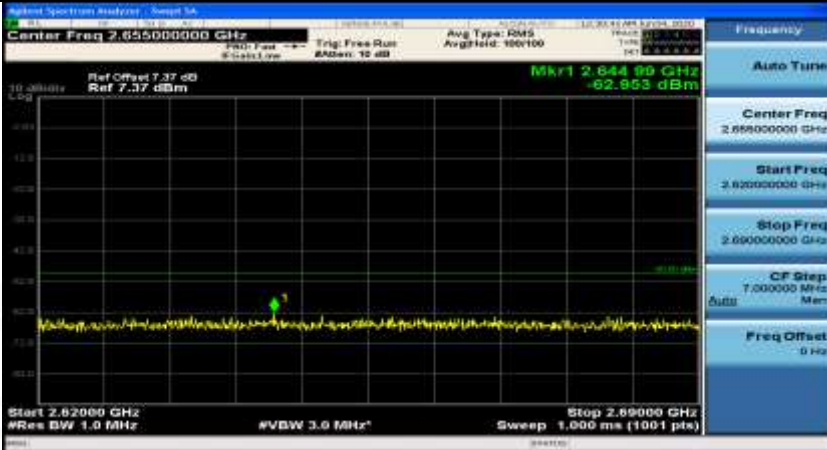
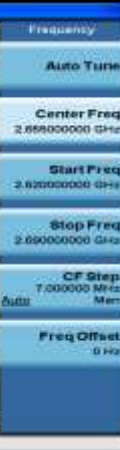
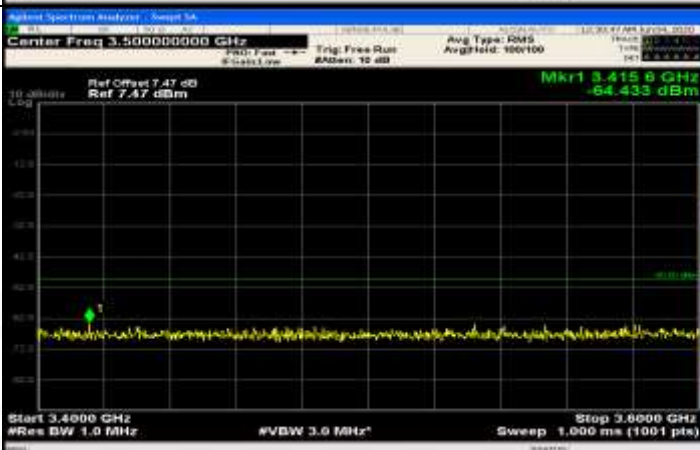
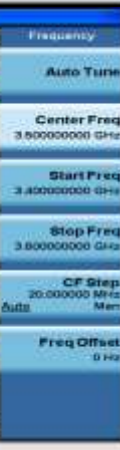
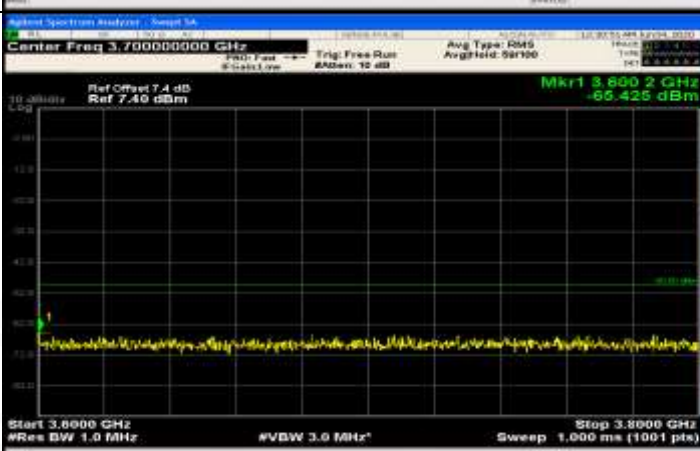

General	
General	
General	

General	
Co-existence	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

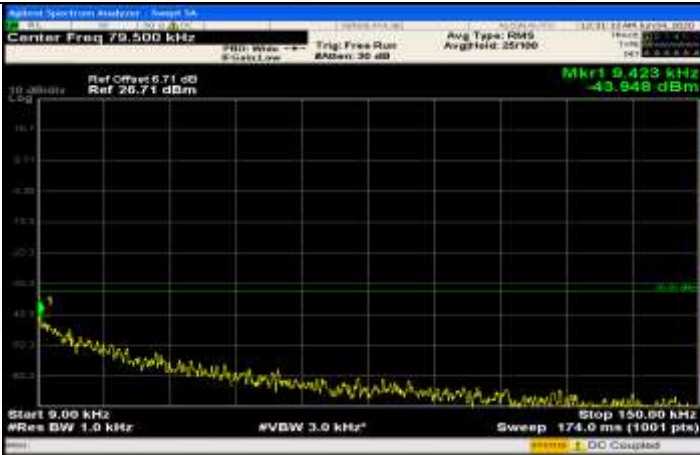

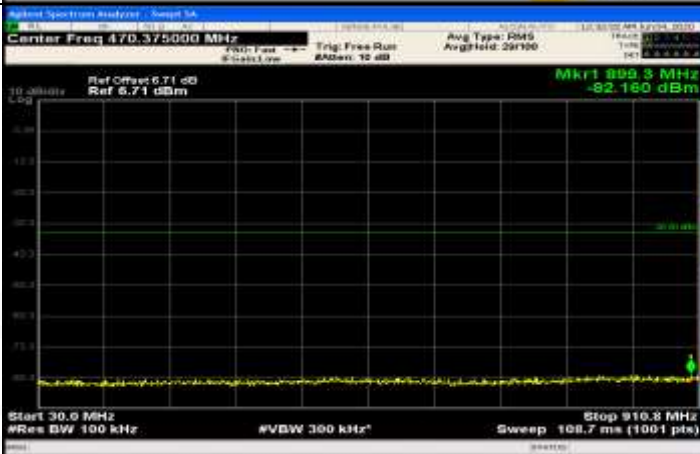


Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.14000000 GHz</p> <p>Ref Offset 7.41 dB Ref 7.41 dBm</p> <p>Mkr1 2.156 80 GHz -66.290 dBm</p> <p>Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.35000000 GHz</p> <p>Ref Offset 7.07 dB Ref 7.07 dBm</p> <p>Mkr1 2.350 0 GHz -65.171 dBm</p> <p>Start 2.30000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.40000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.59500000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.602 80 GHz -64.490 dBm</p> <p>Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

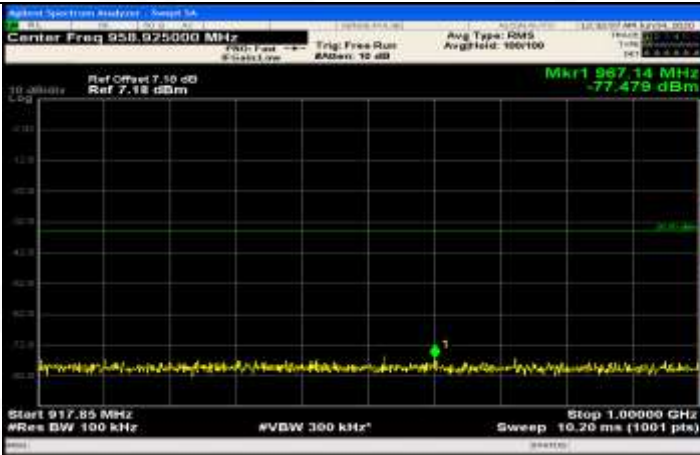


Co-existence		
Co-existence		
Co-existence		
Additional	NA	

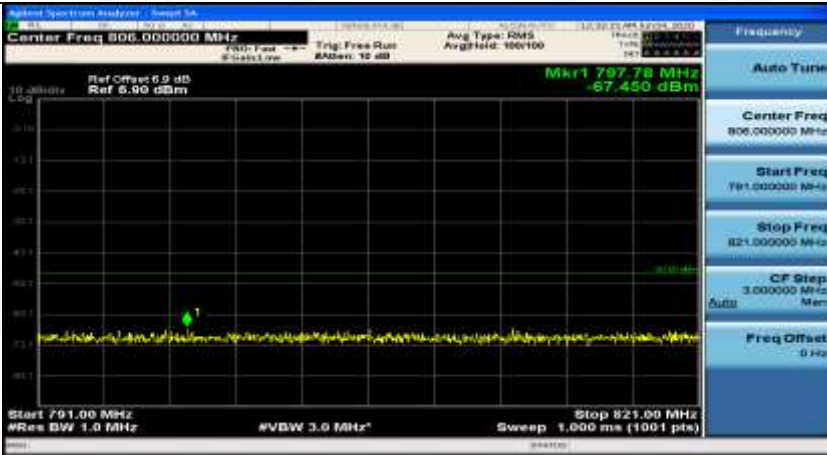
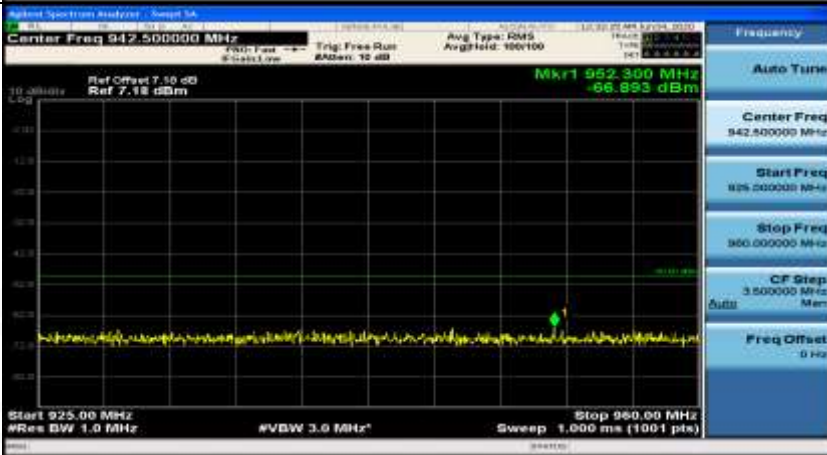
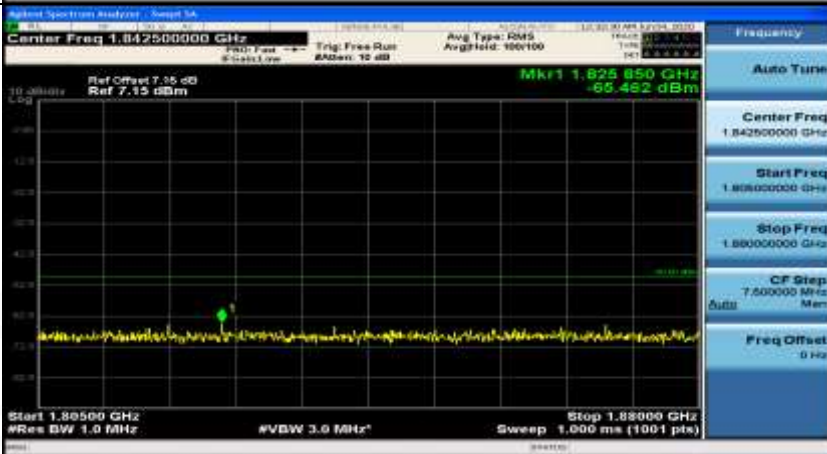
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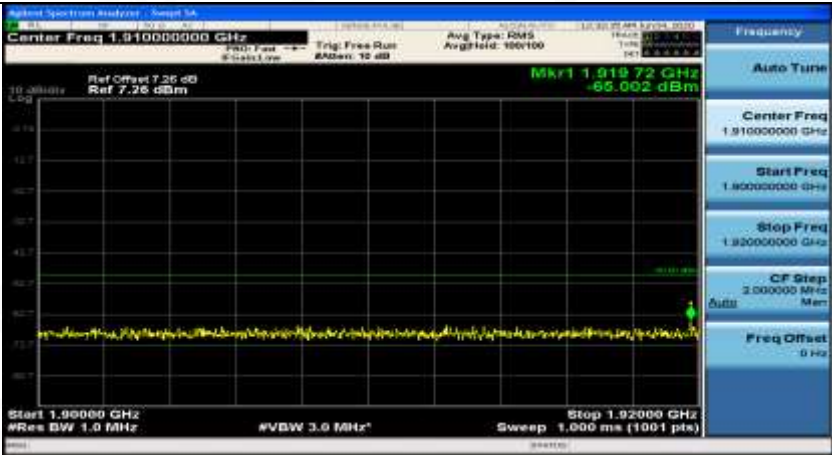
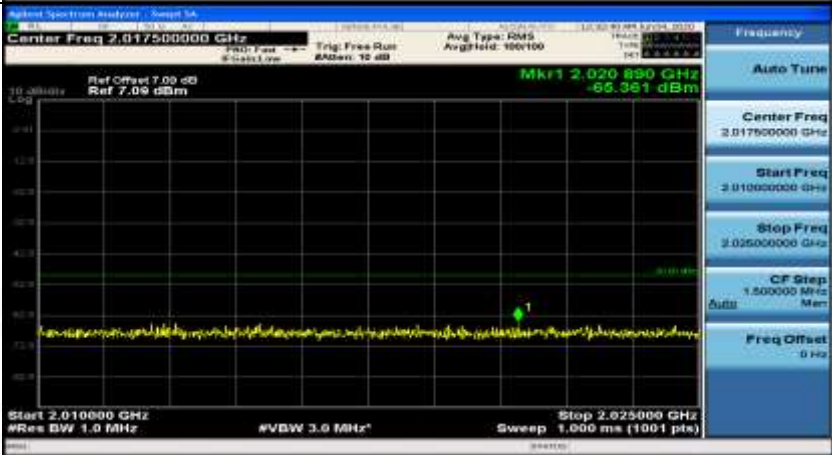
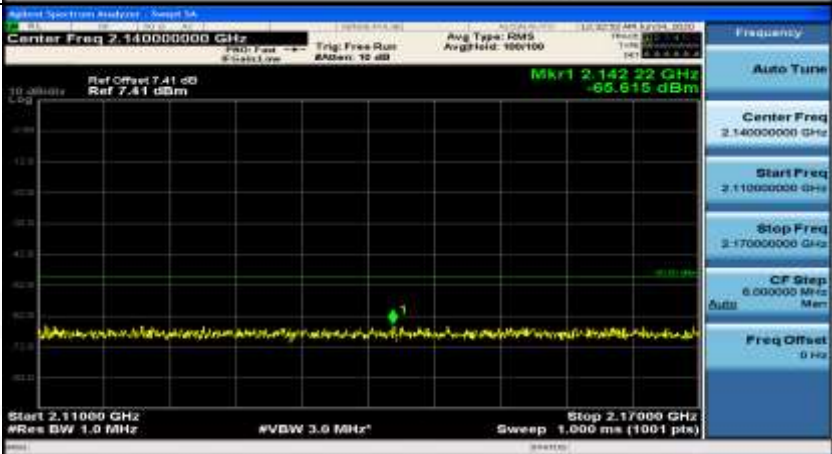


General	
General	
General	

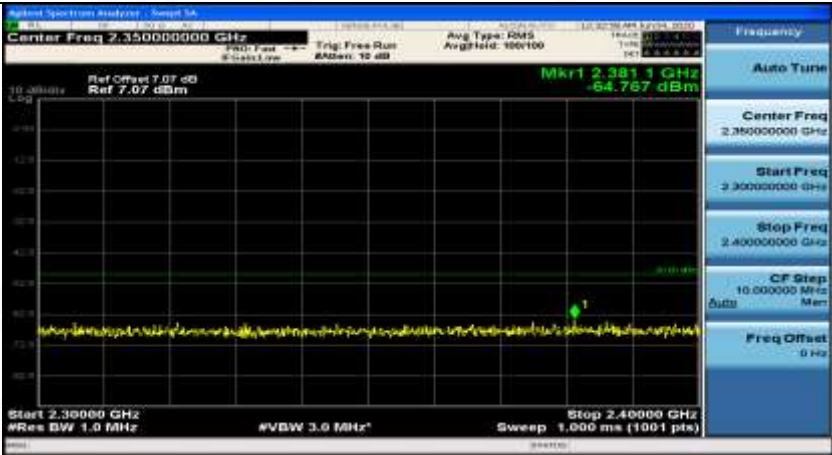
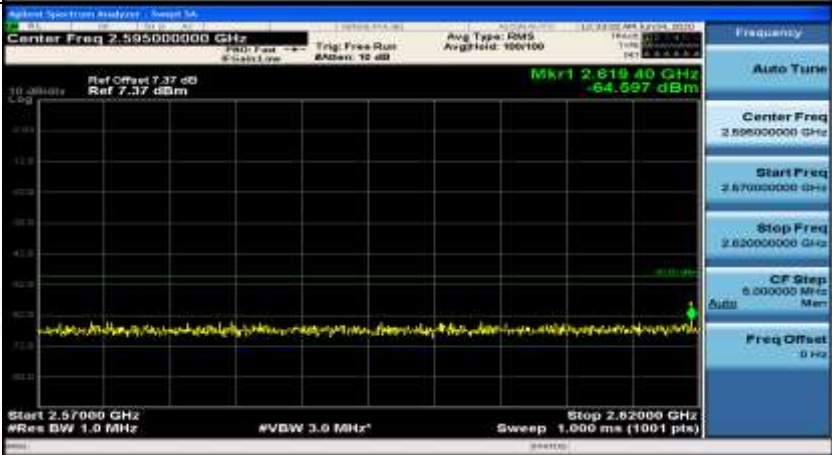
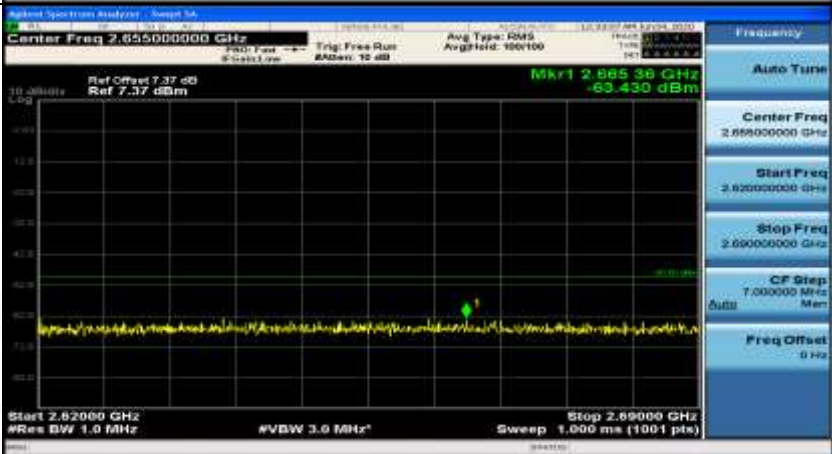


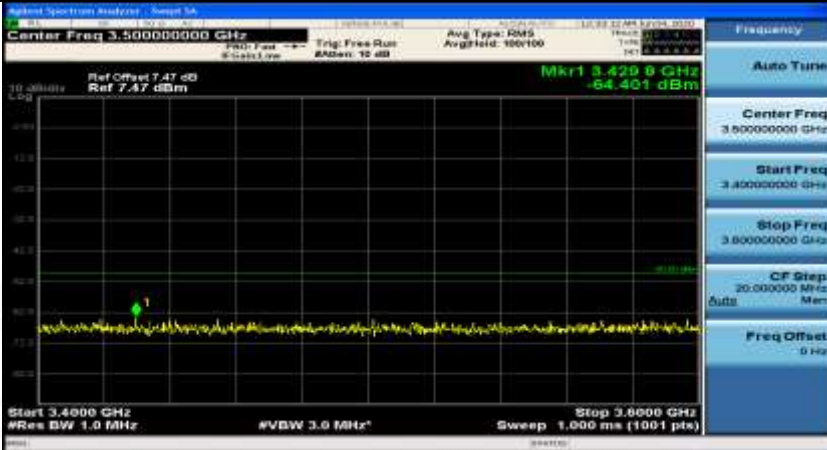
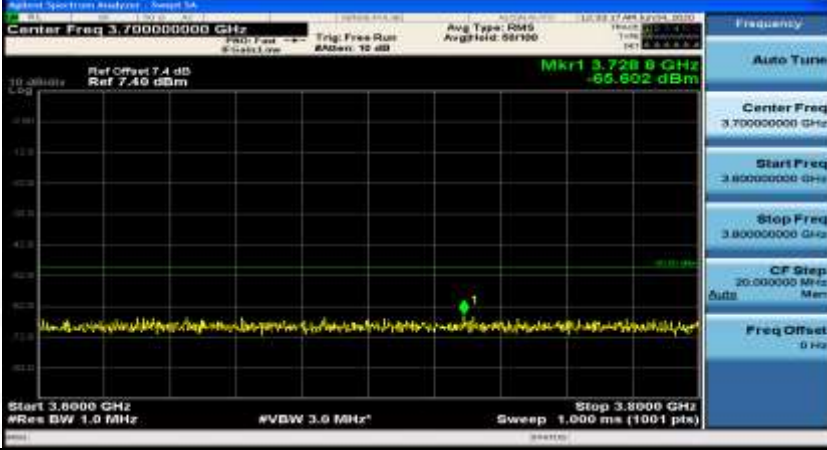
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 958.925000 MHz</p> <p>Start Freq 917.850000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 8.215000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.000000000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 400.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.875000000 GHz</p> <p>Start Freq 6.000000000 GHz</p> <p>Stop Freq 12.750000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>


Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



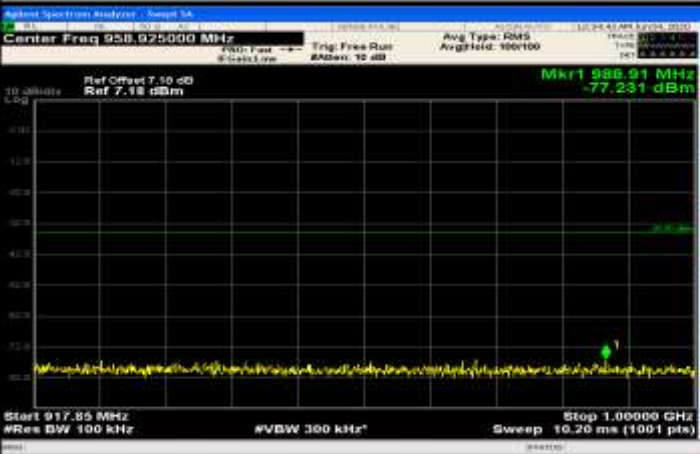


Co-existence	
Co-existence	
Co-existence	

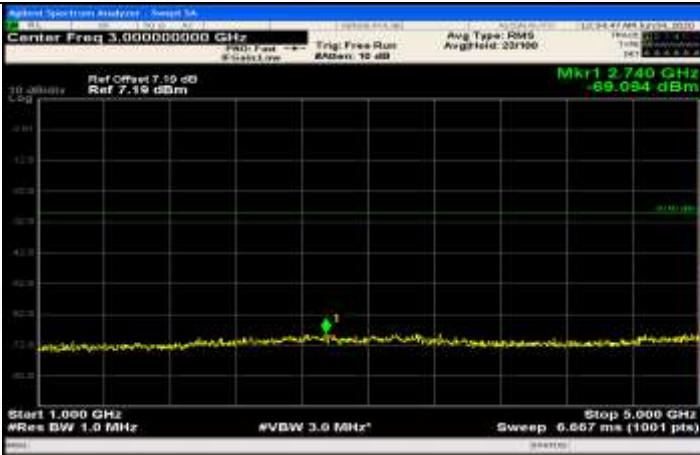

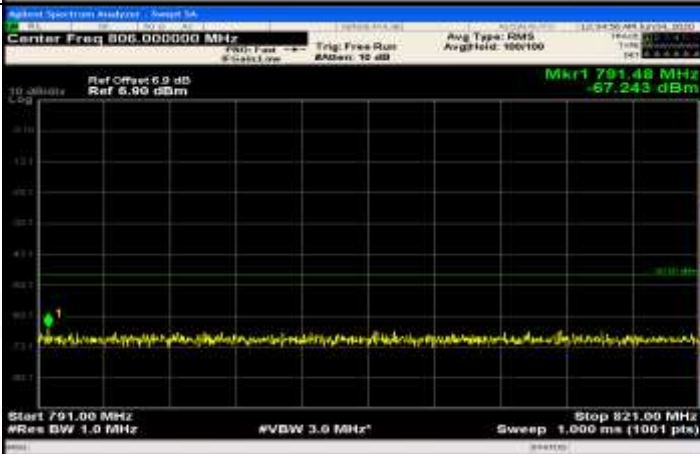
Co-existence	
Co-existence	
Additional	NA

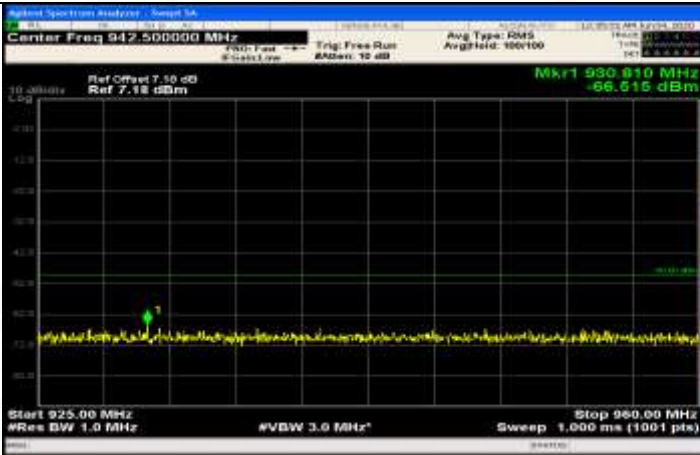
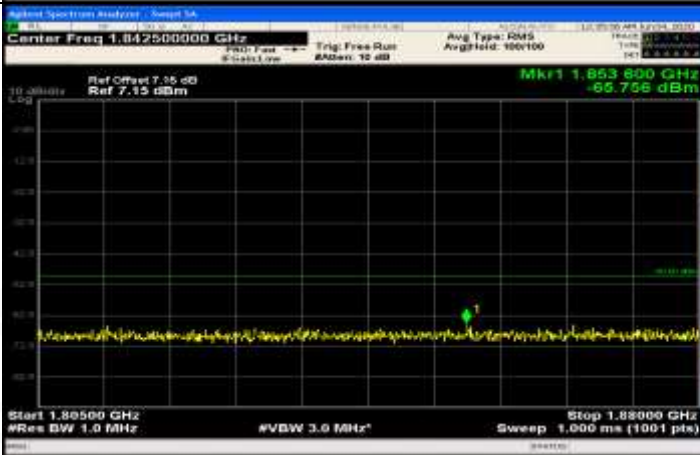
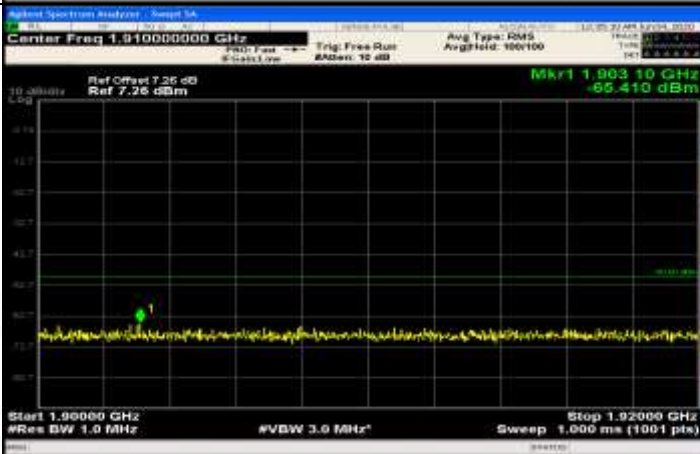
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullIRB#0	
General	

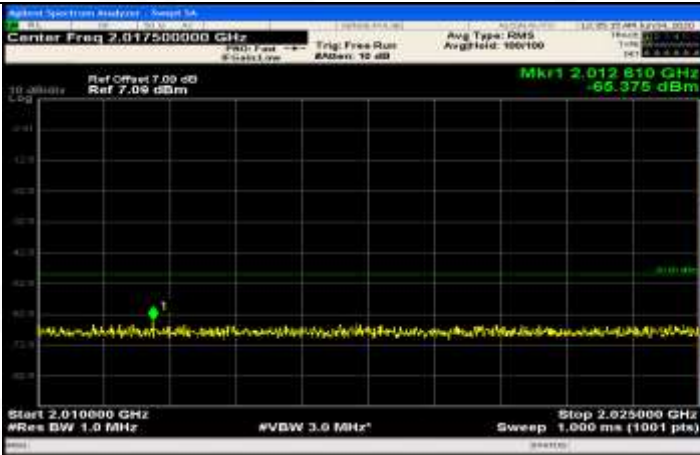
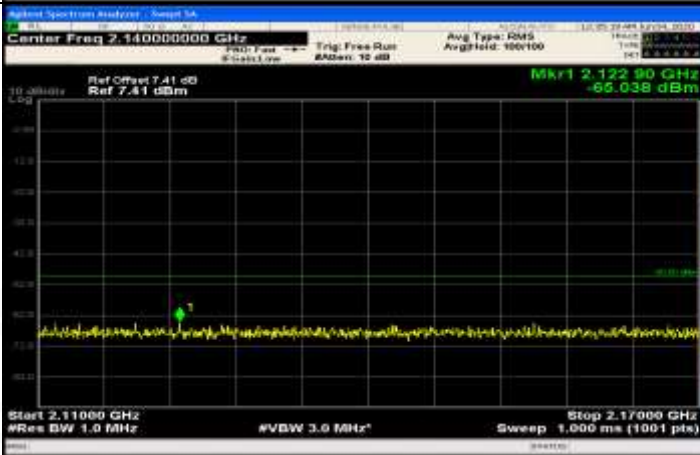
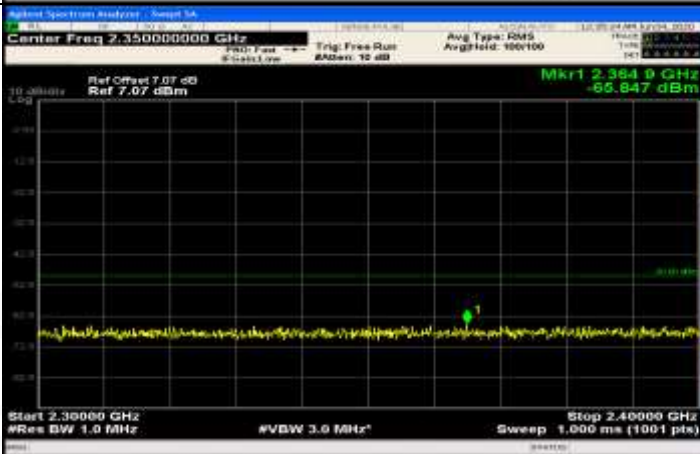


General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 470.375000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 910.750000 MHz</p> <p>CF Step 88.075000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 958.925000 MHz</p> <p>Start Freq 917.850000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 8.215000 MHz</p> <p>Freq Offset 0 Hz</p>

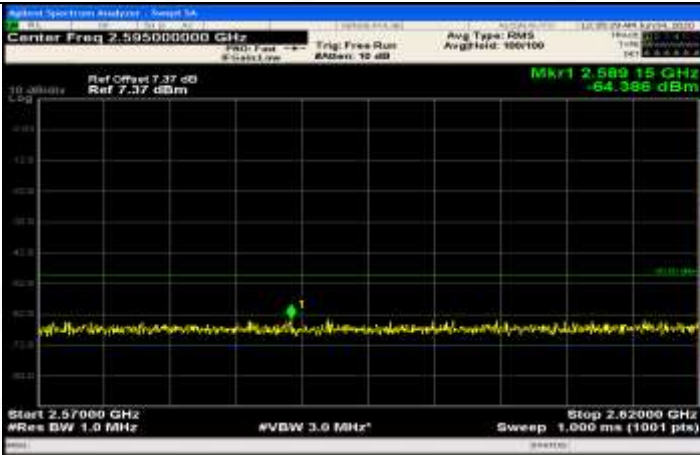
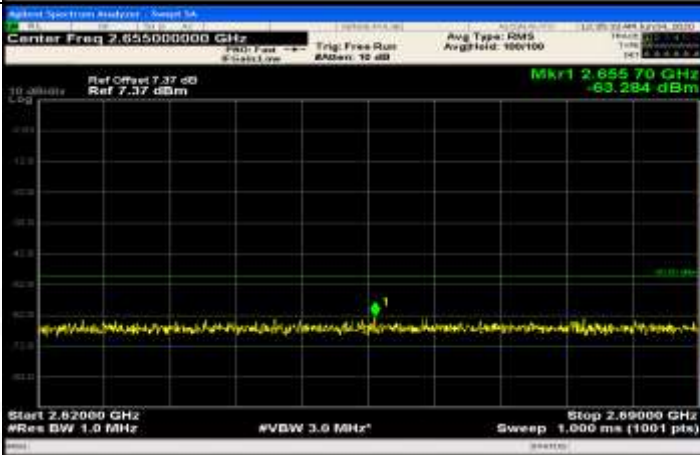
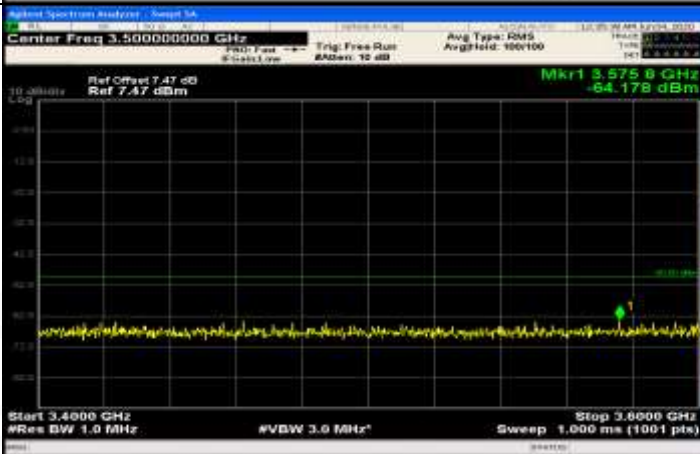


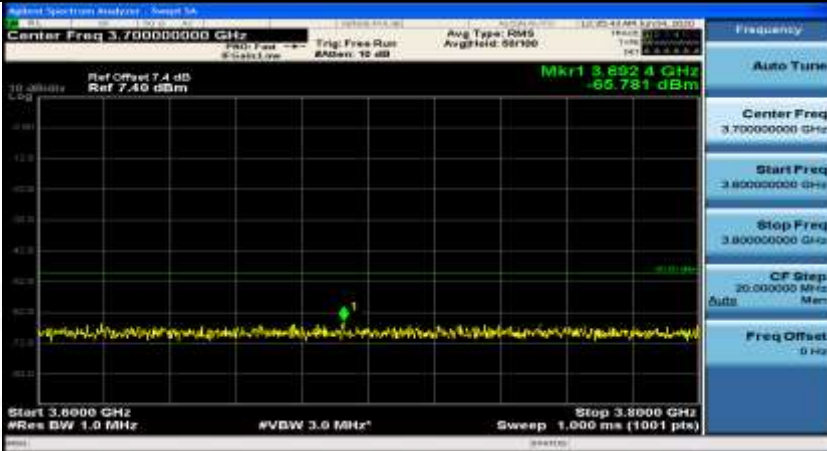
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.00000000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 2.740 GHz -69.094 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.667 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.07 dBm Mkr1 12.29275 GHz -67.777 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 791.48 MHz -67.243 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.83500000 GHz</p> <p>Stop Freq 1.85000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>


Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.012810 GHz -66.375 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.12290 GHz -66.038 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.350000000 GHz Ref Offset 7.07 dB Ref 7.07 dBm Mkr1 2.3849 GHz -66.847 dBm Start 2.300000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.400000 GHz Sweep 1.000 ms (1001 pts)</p>



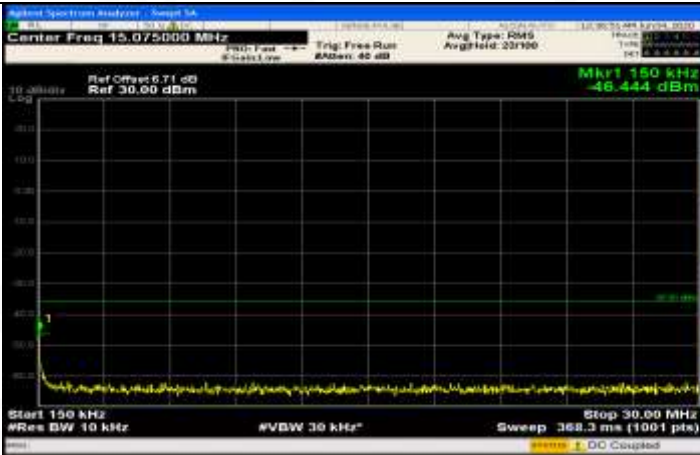
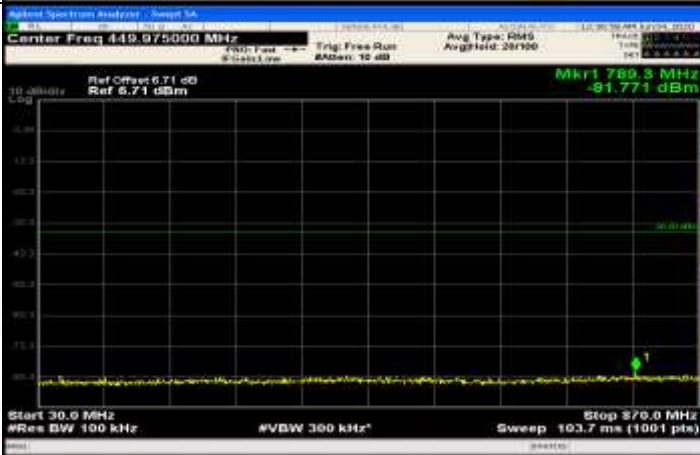
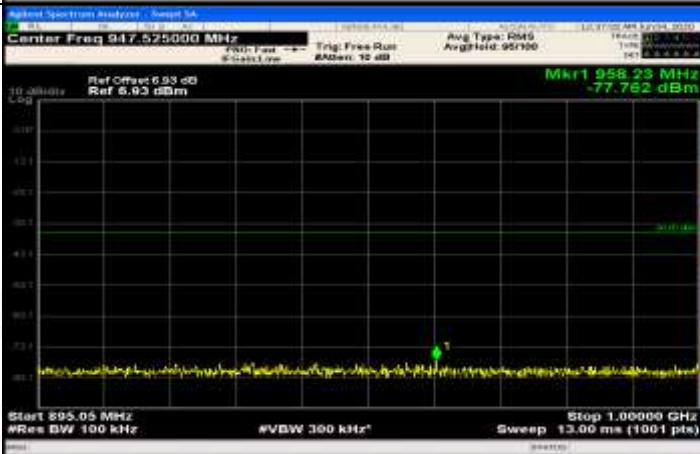
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)



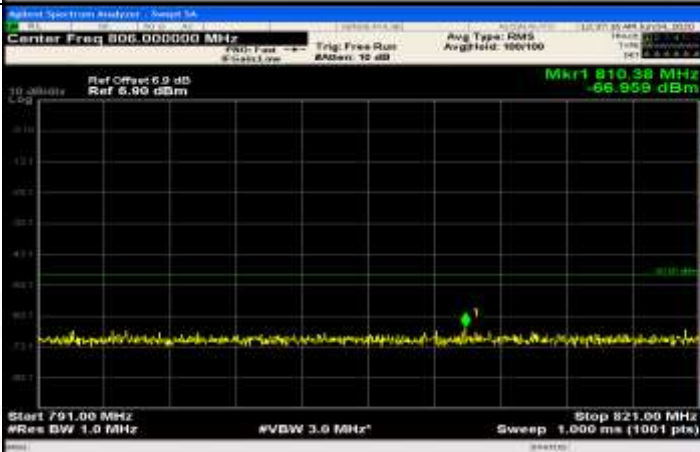
Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	

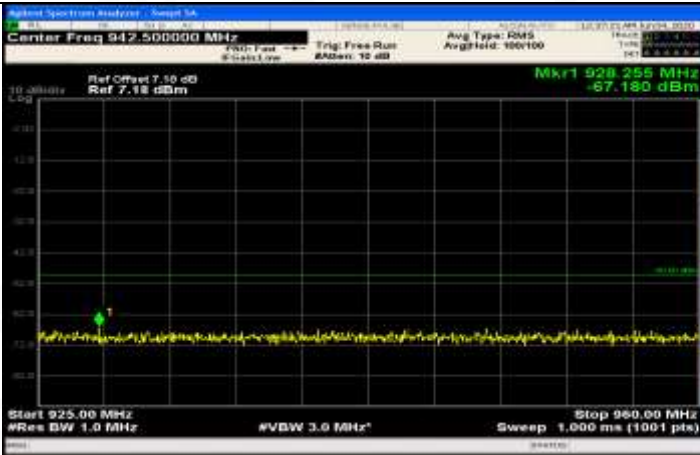
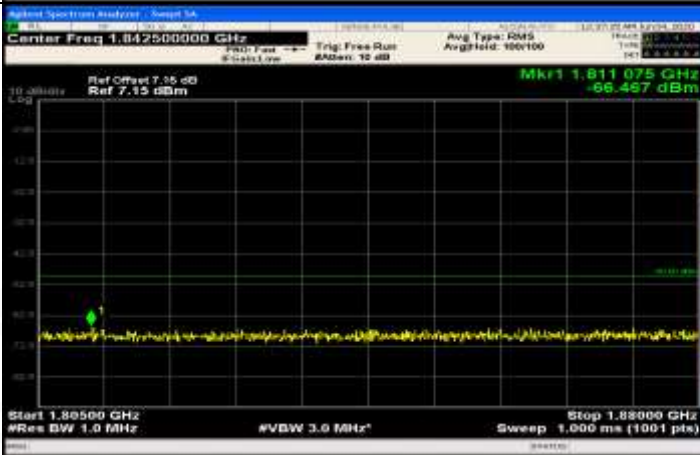
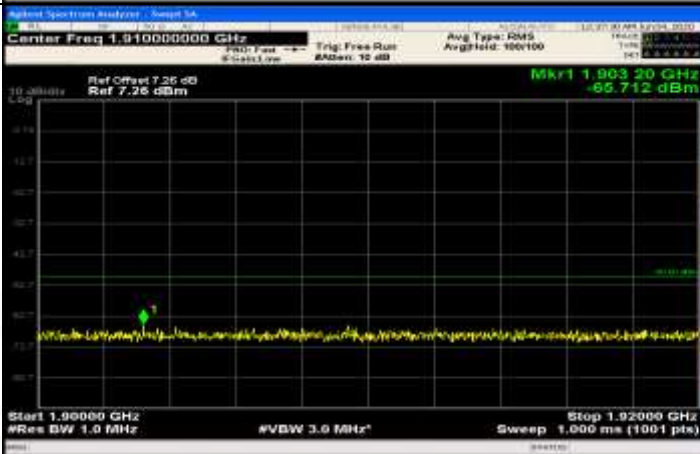


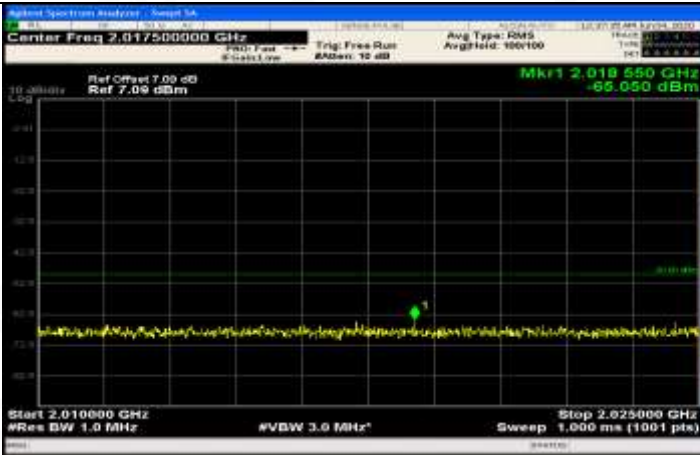
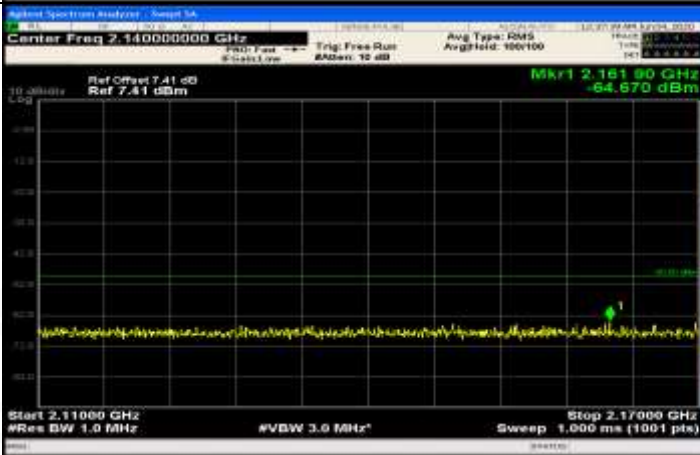
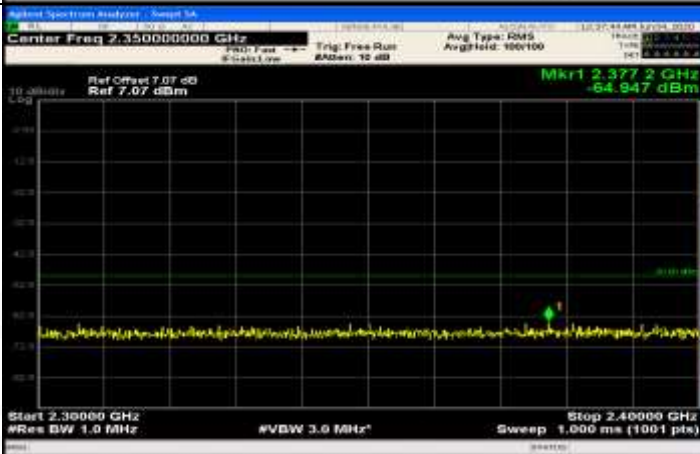
General	
General	
General	



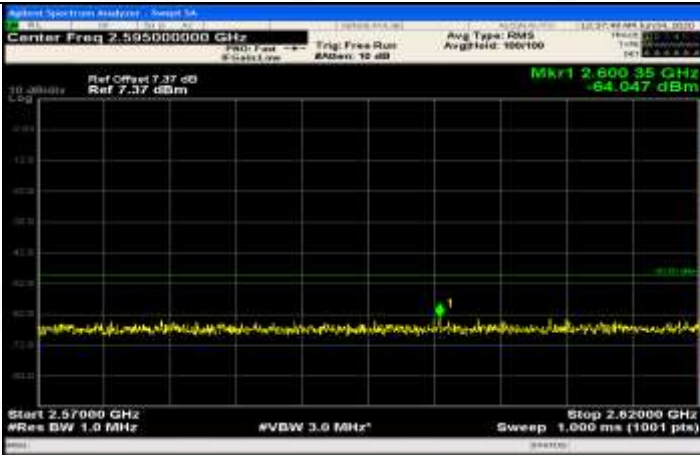
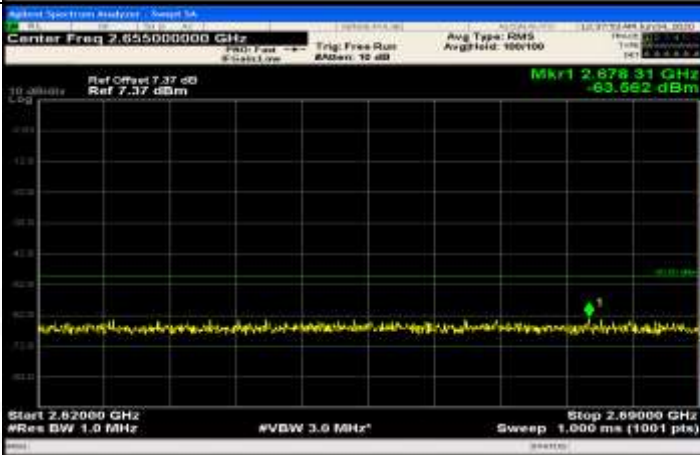
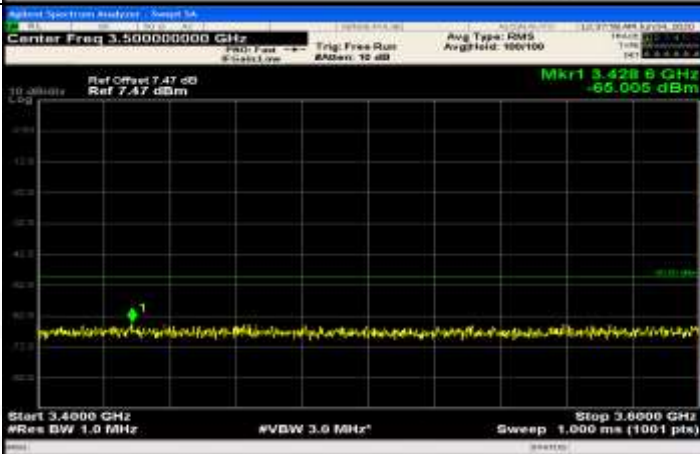


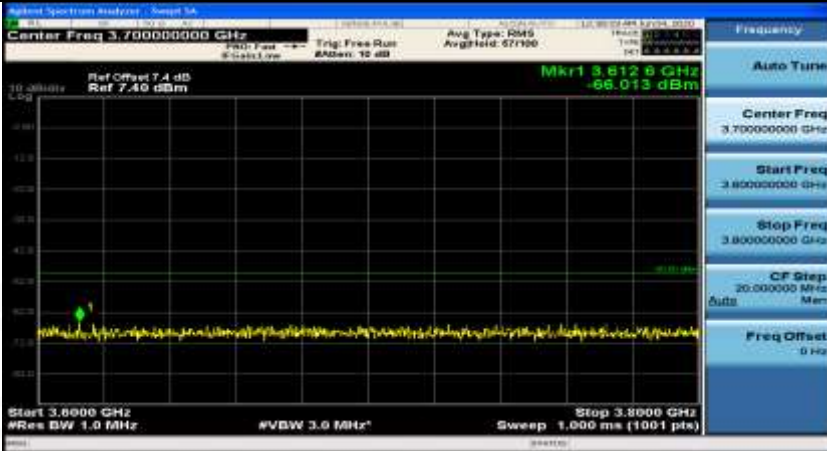
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



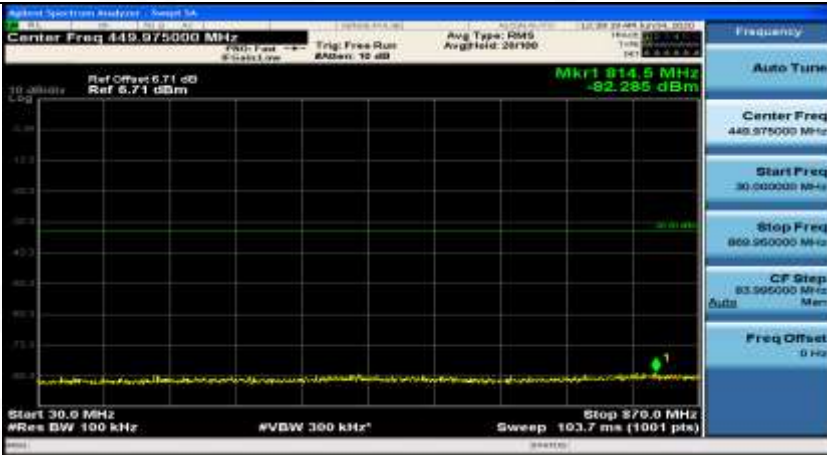
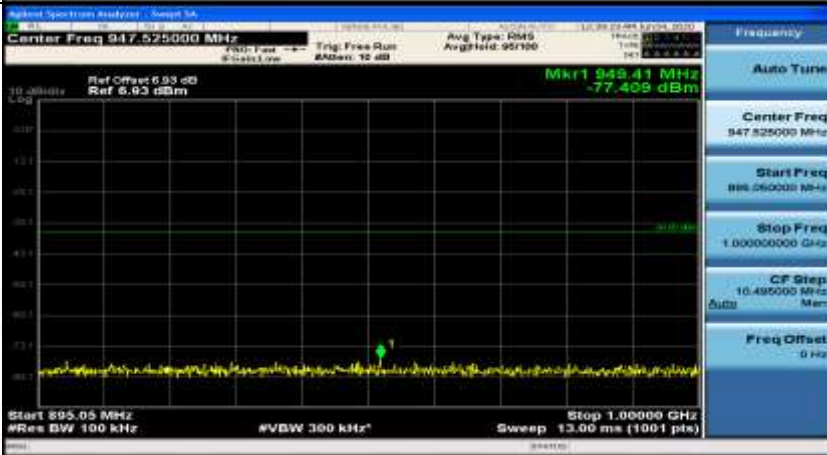

Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.595000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.60035 GHz -64.047 dBm Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.655000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.67831 GHz -63.562 dBm Start 2.62000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.69000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.500000000 GHz Ref Offset 7.47 dB Ref 7.47 dBm Mkr1 3.4286 GHz -66.005 dBm Start 3.4000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 3.6000 GHz Sweep 1.000 ms (1001 pts)</p>

Co-existence	
Additional	NA



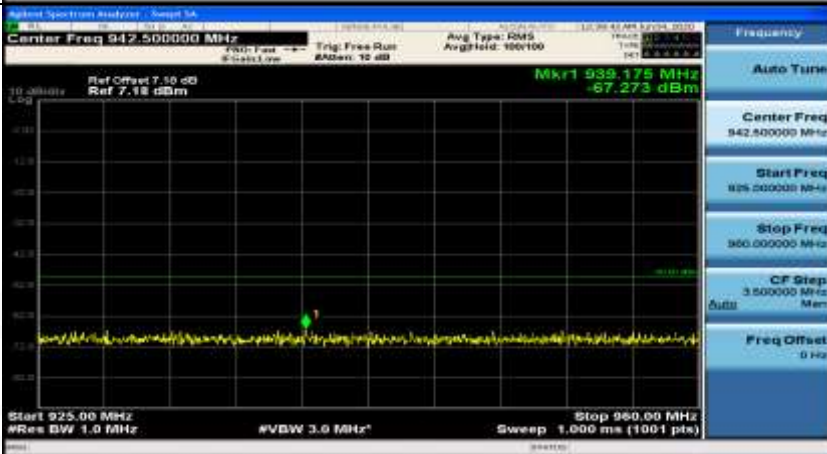
Channel Bandwidth= (5 MHz)\_QPSK\_LCH\_1RB#max

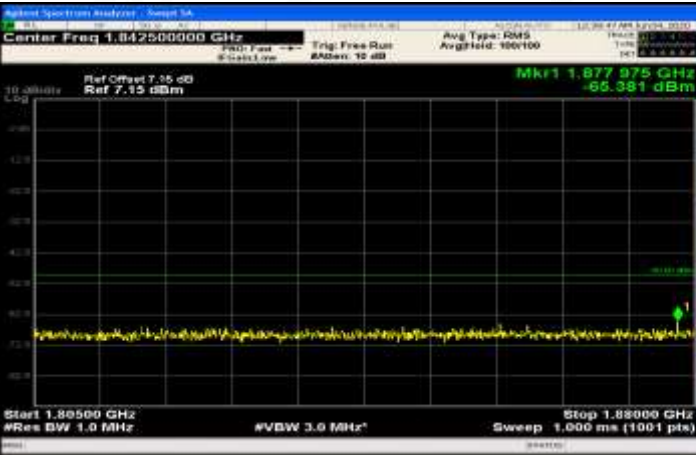
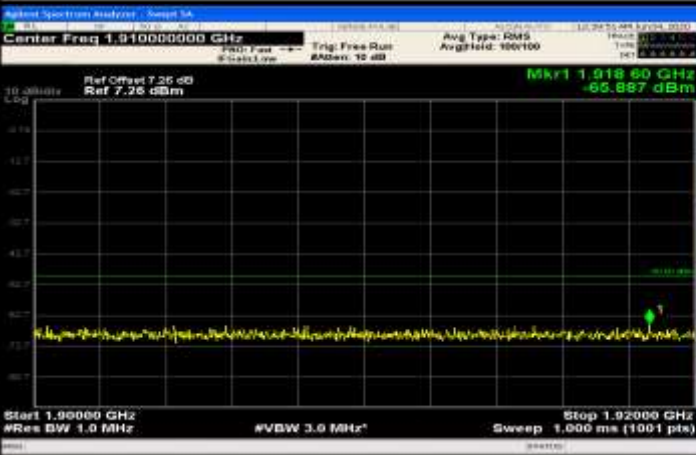
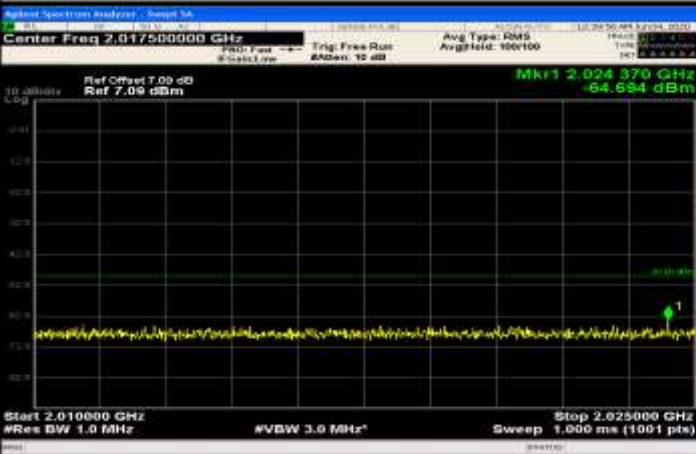
General	
General	

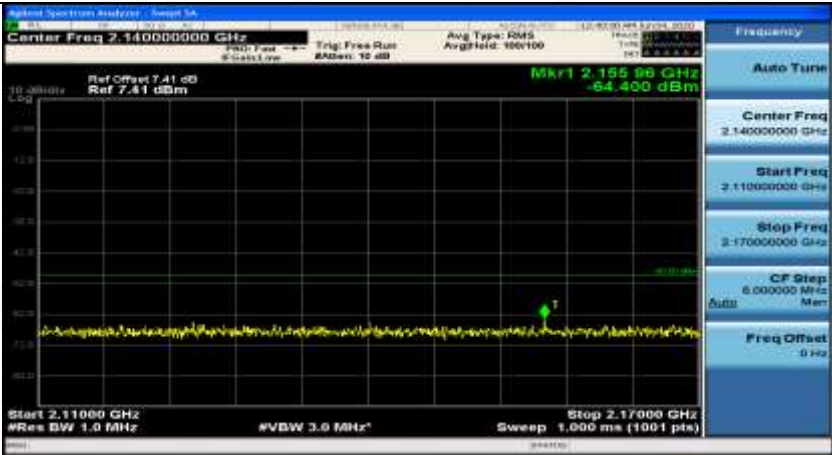
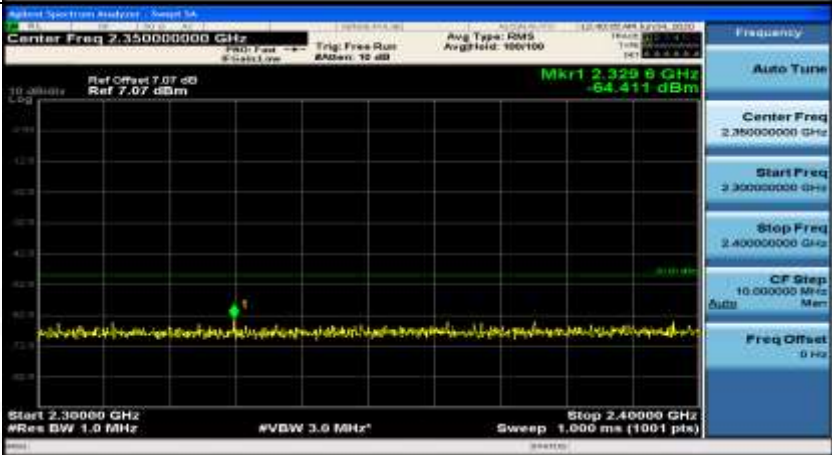
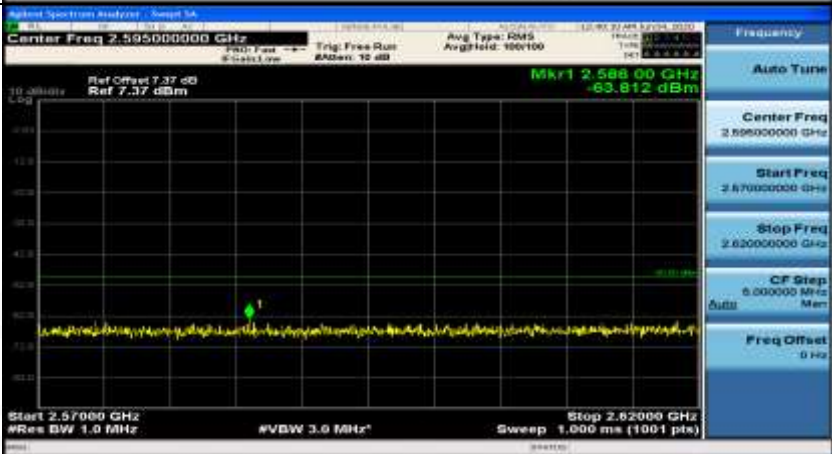


General	
General	
General	

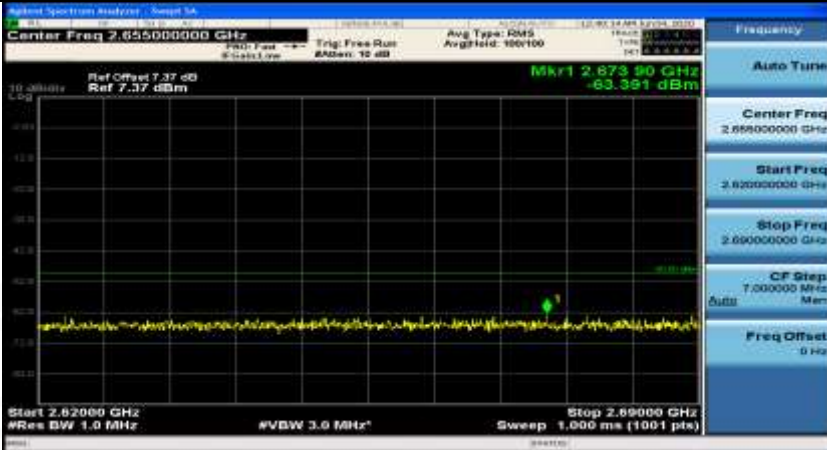
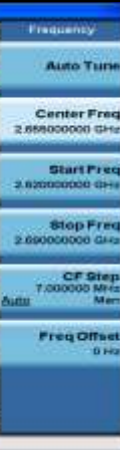
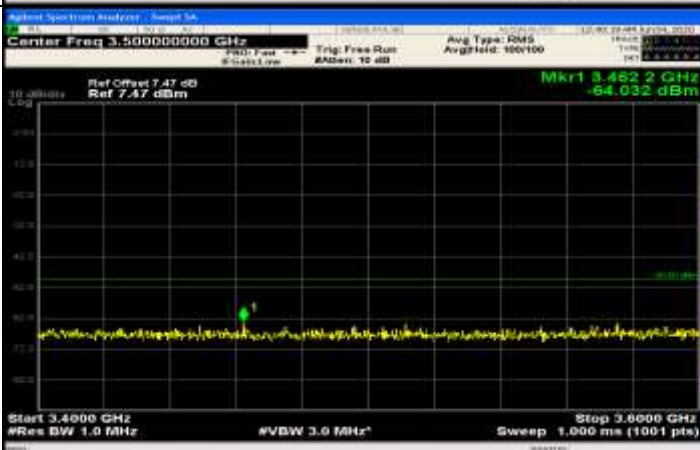
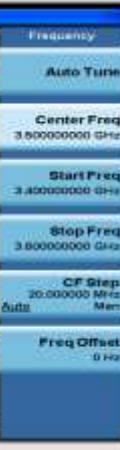
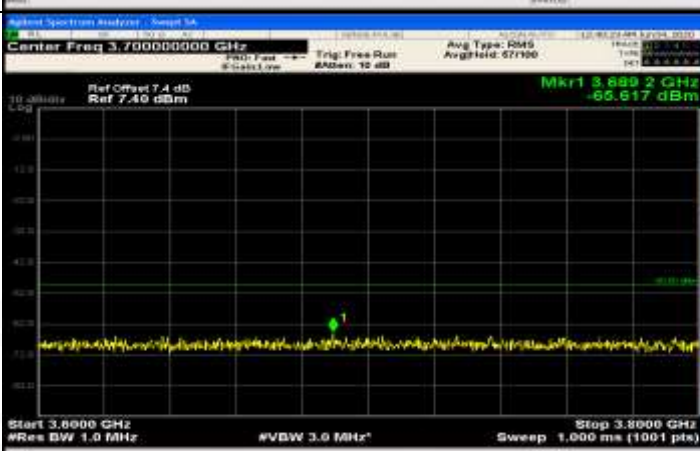



General	
Co-existence	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



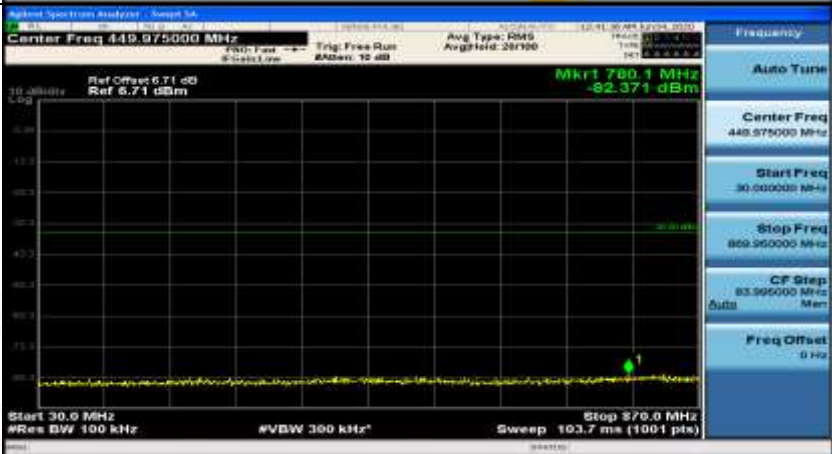
Co-existence	
Co-existence	
Co-existence	

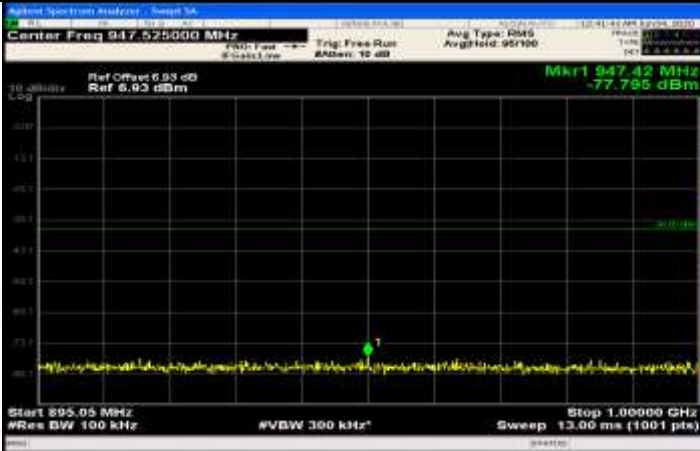
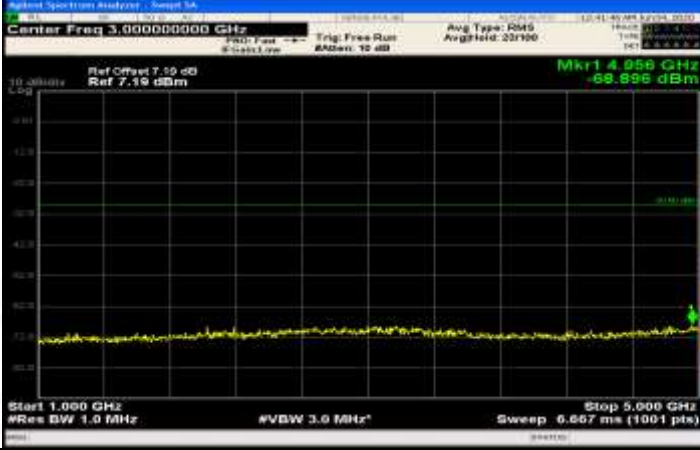



Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth= (5 MHz)\_QPSK\_LCH\_FullIRB#0

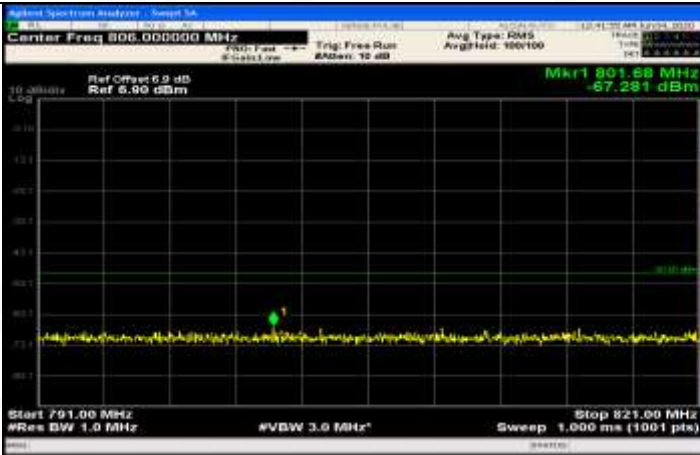
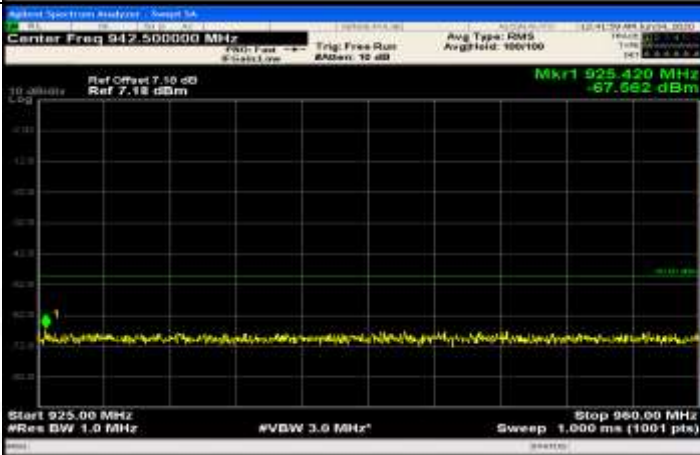
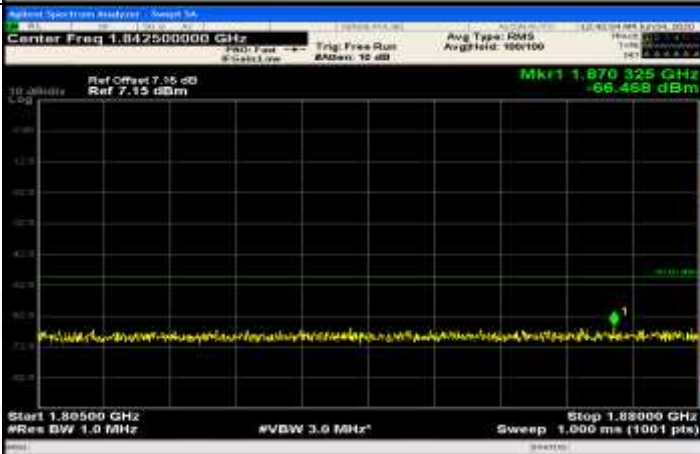


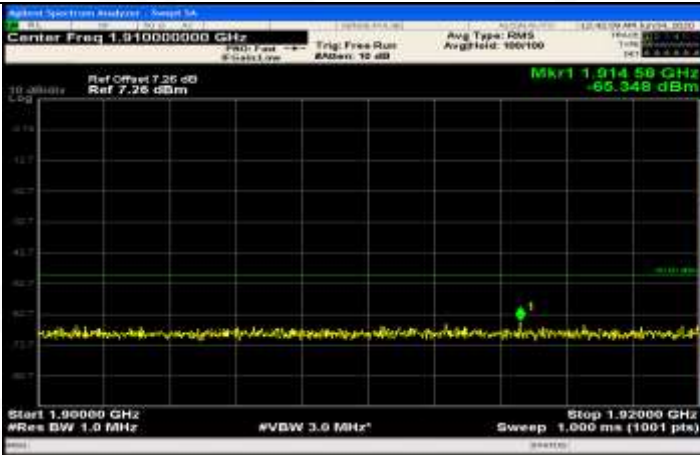
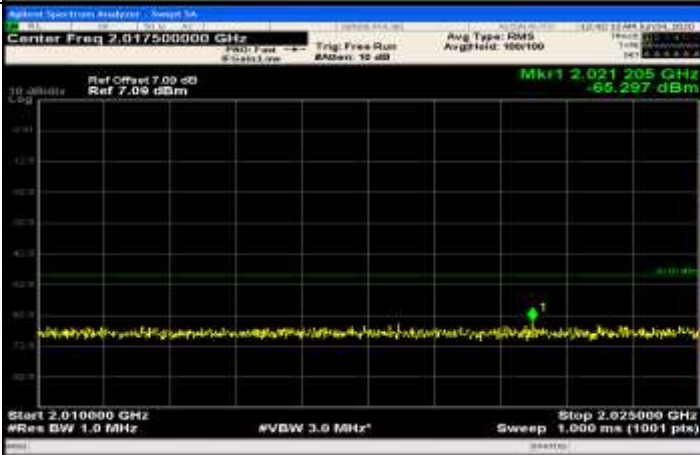
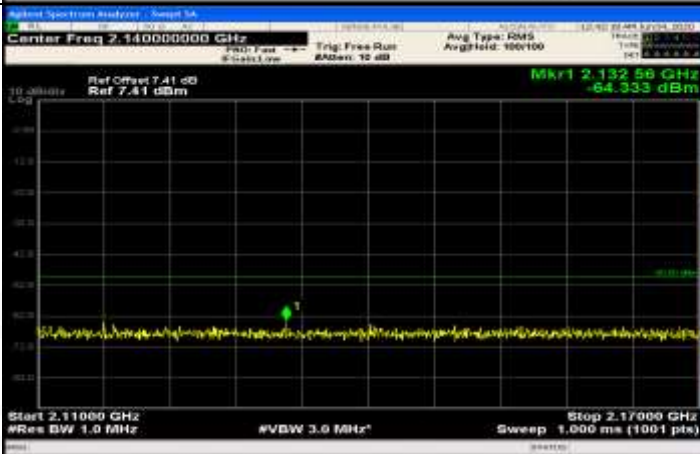
General	
General	
General	

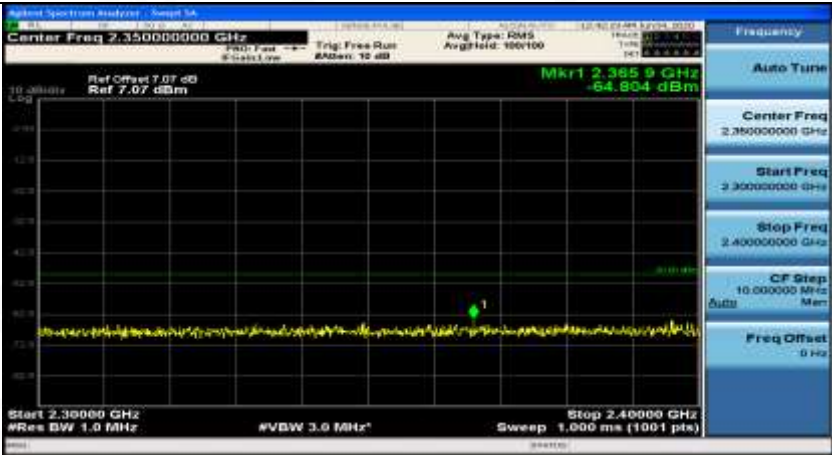
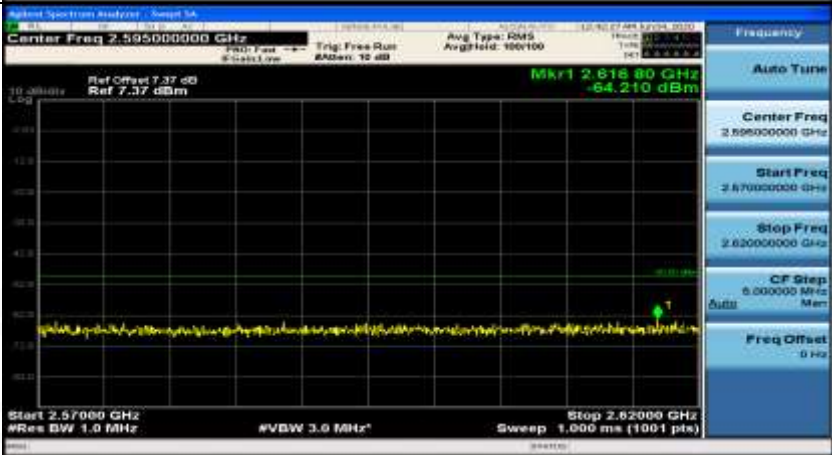
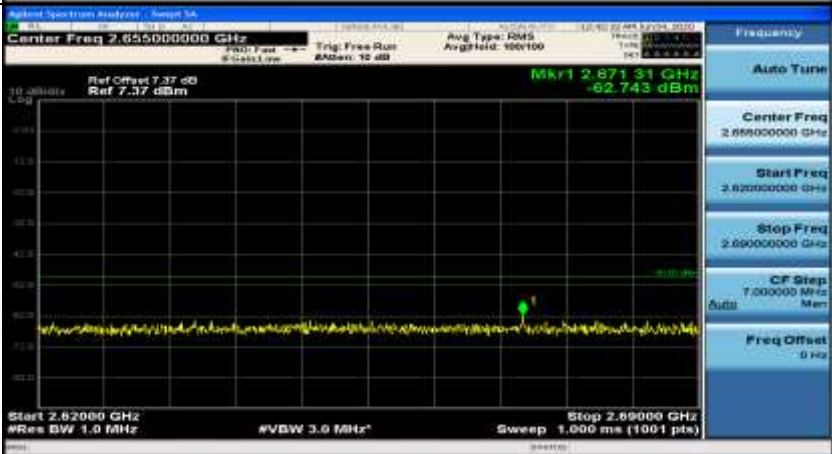
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 947.525000 MHz</p> <p>Start Freq 895.050000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 10.495000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.00000000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 400.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 5.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>




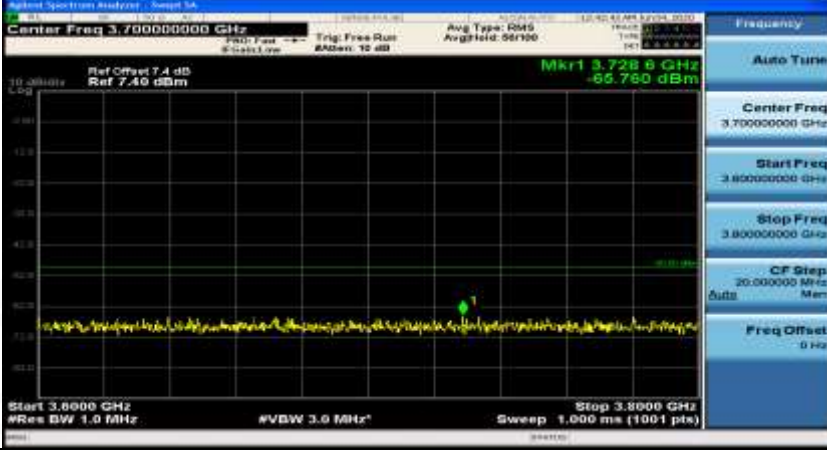



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 935.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.836000000 GHz</p> <p>Stop Freq 1.850000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	


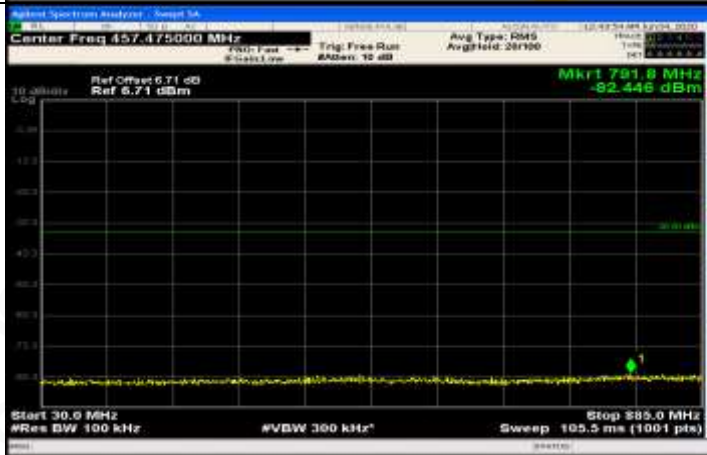
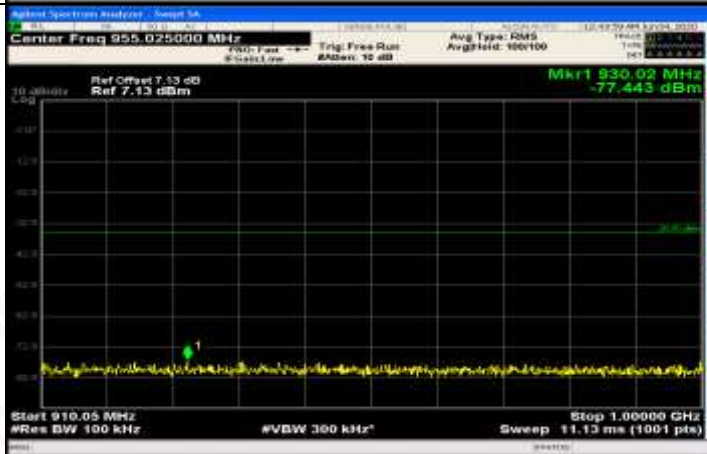
Co-existence	
Co-existence	
Co-existence	



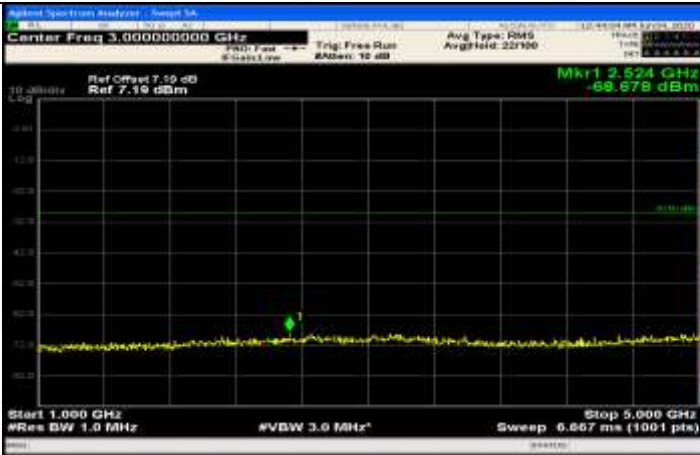

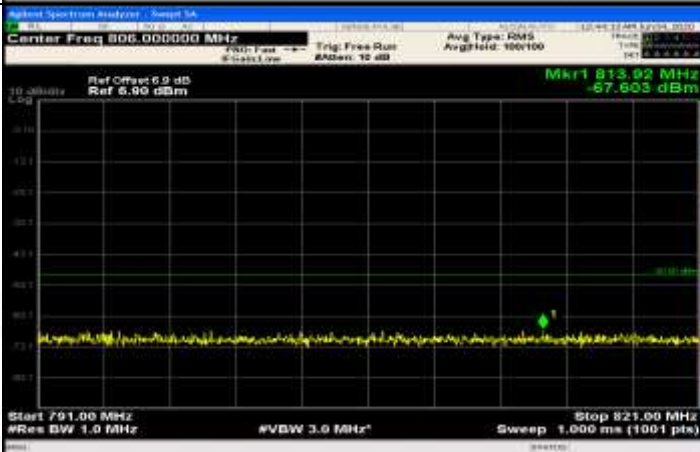
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	

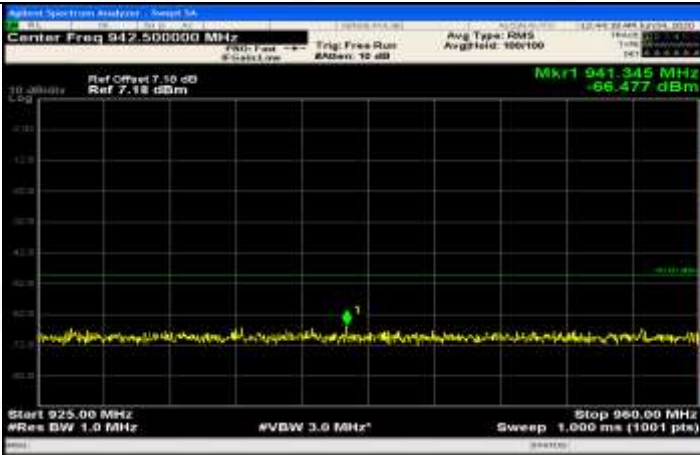
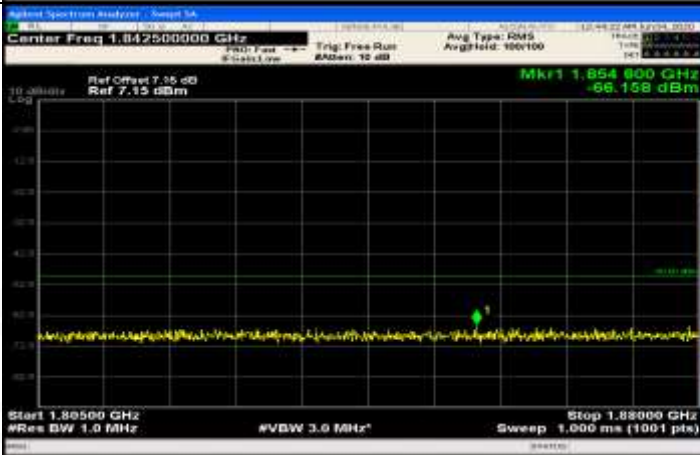
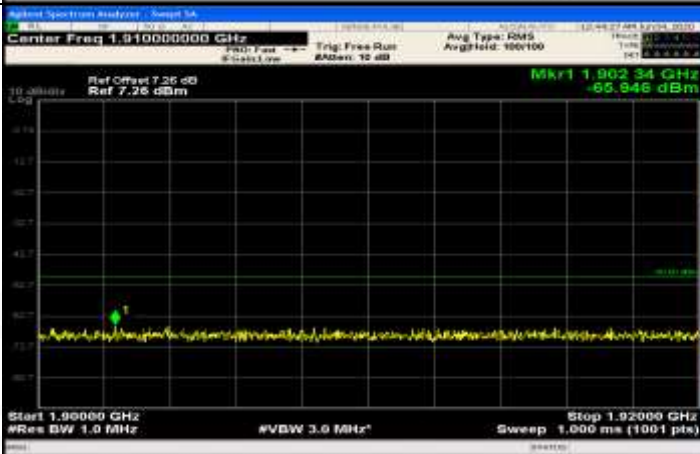


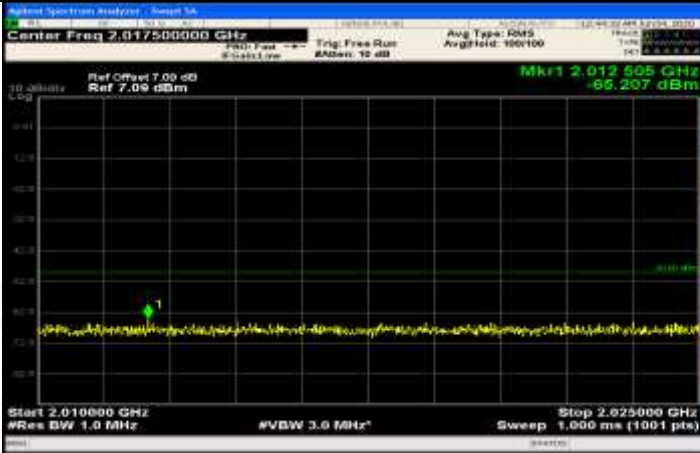
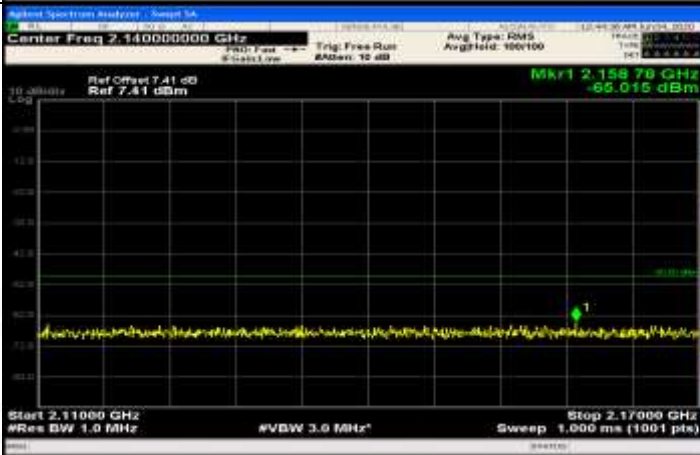
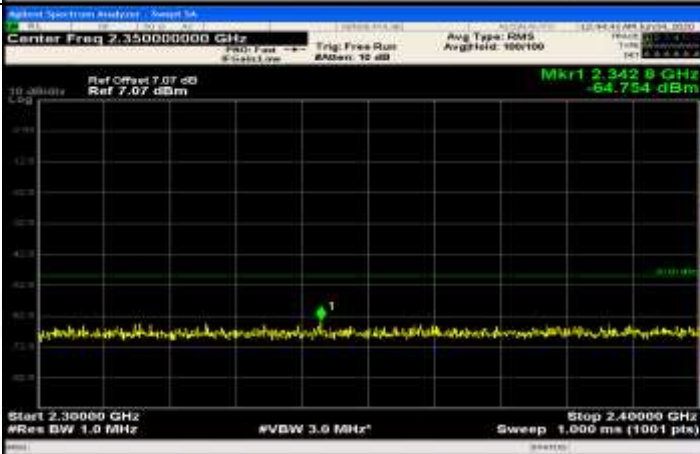
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 457.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 884.950000 MHz</p> <p>CF Step 85.495000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 955.025000 MHz</p> <p>Start Freq 910.050000 MHz</p> <p>Stop Freq 1.000000 GHz</p> <p>CF Step 8.995000 MHz</p> <p>Freq Offset 0 Hz</p>

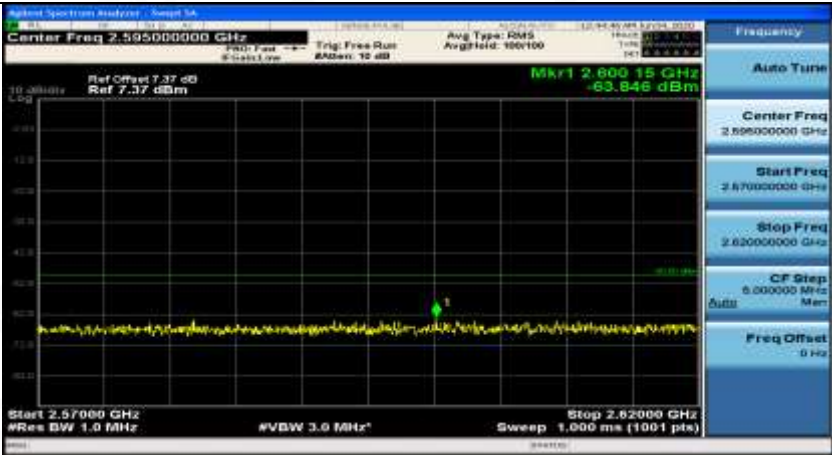
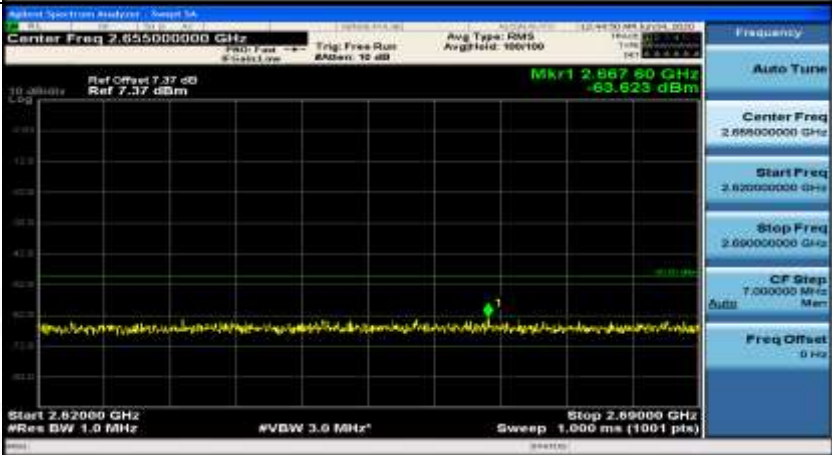
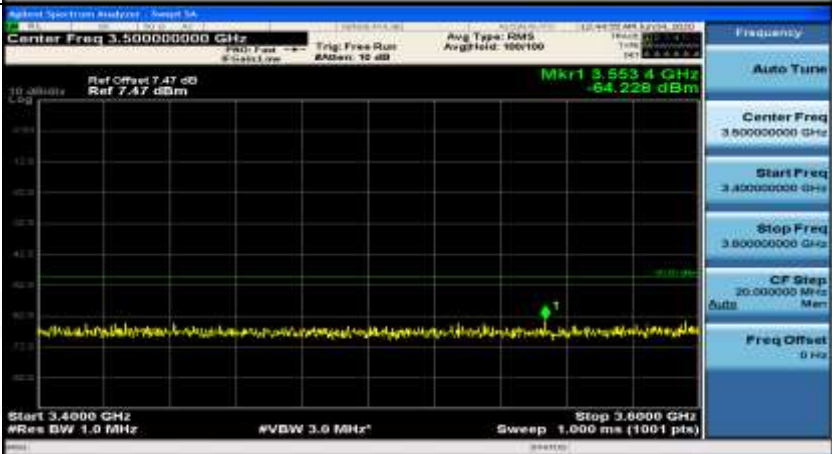


General	
General	
Co-existence	




Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	

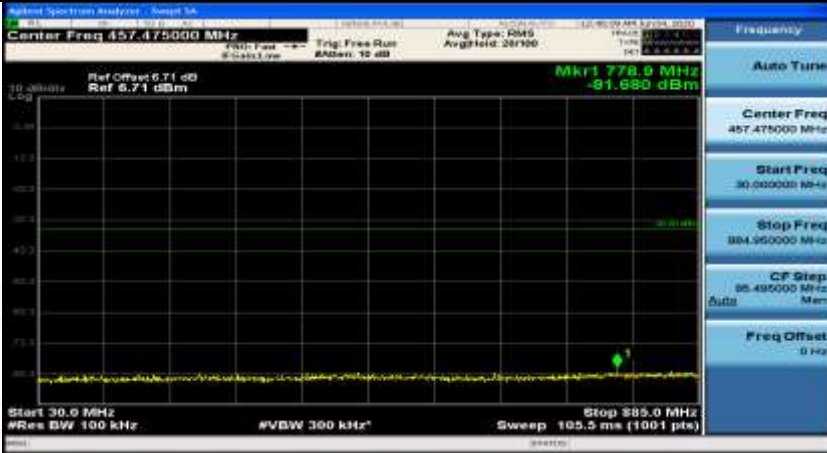
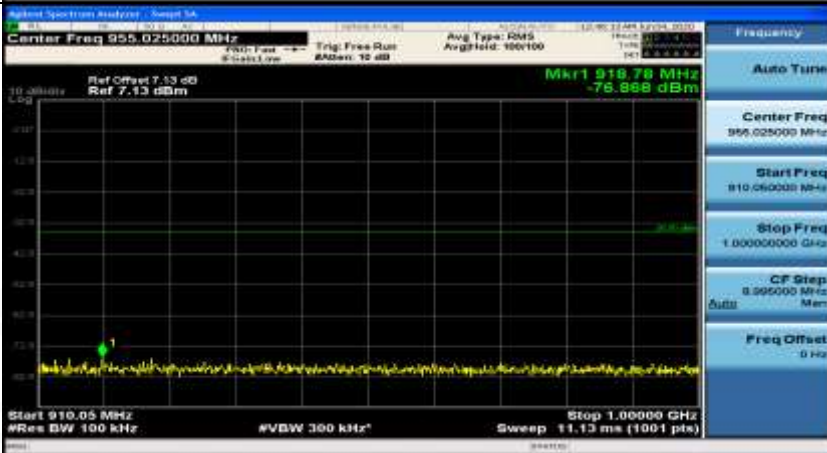
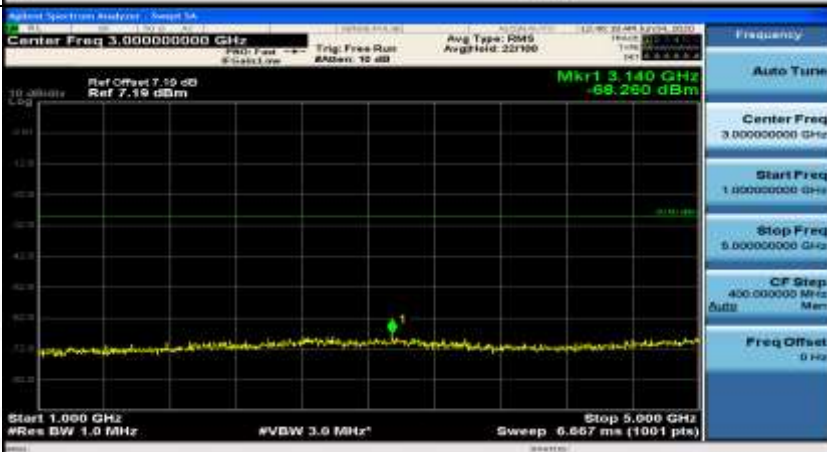



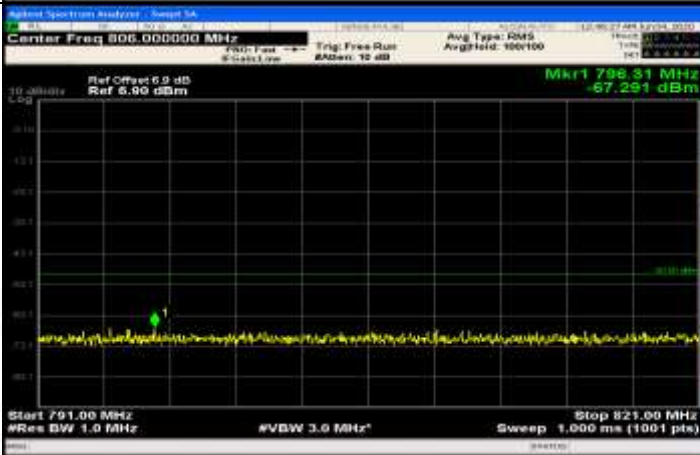
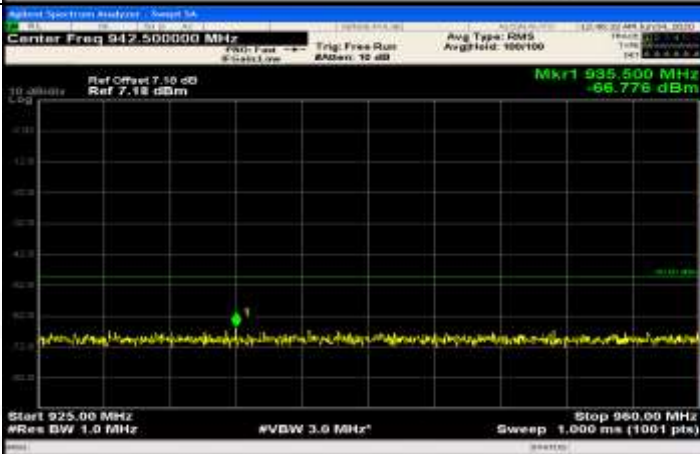
Co-existence	
Additional	NA

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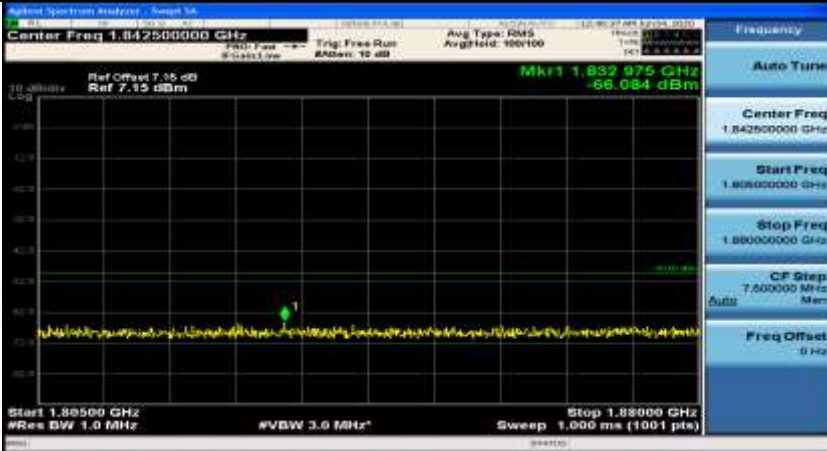
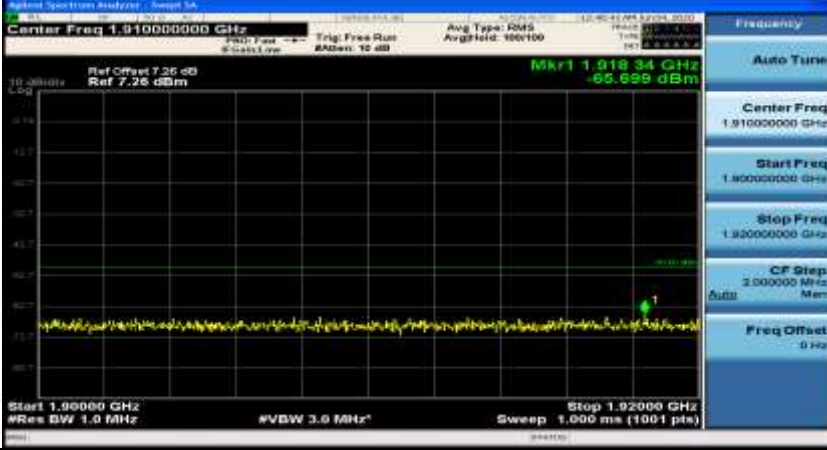
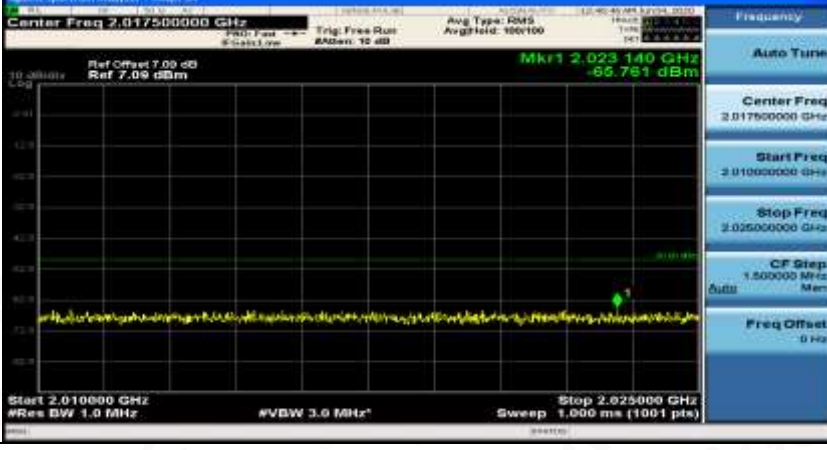
General	
General	

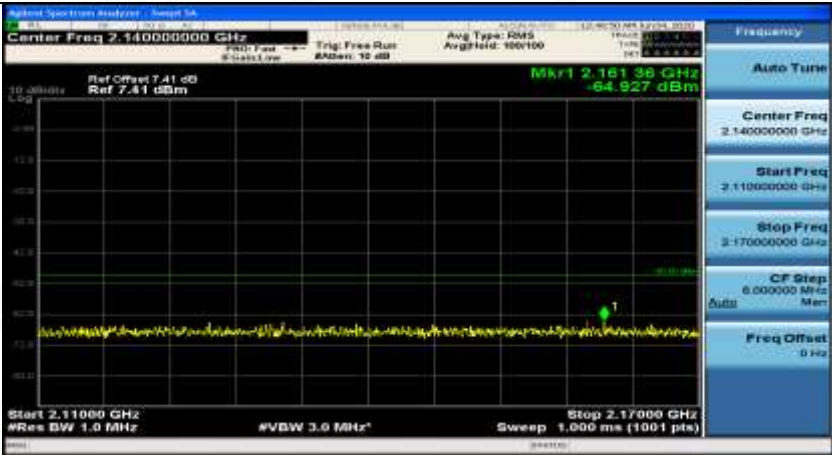
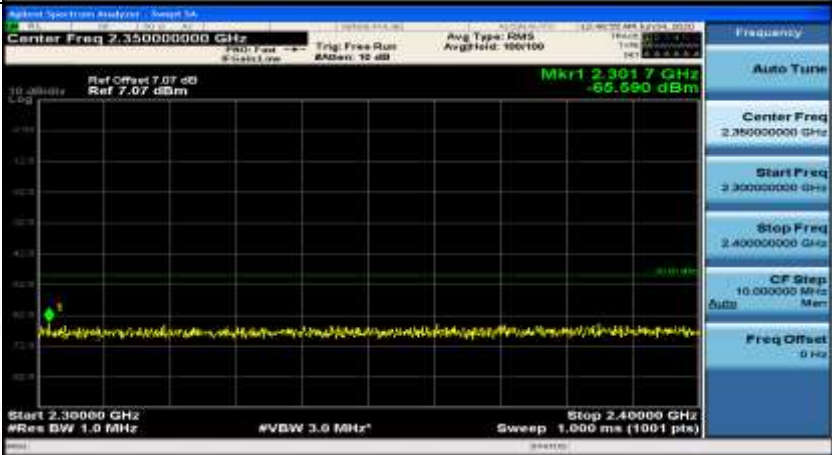
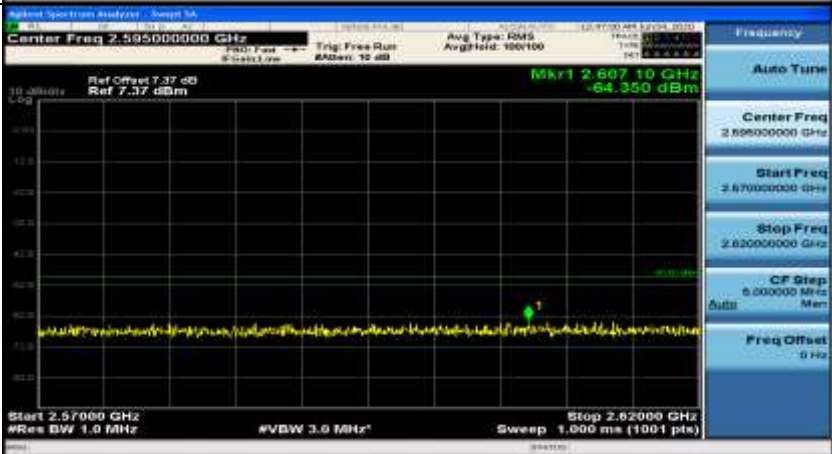


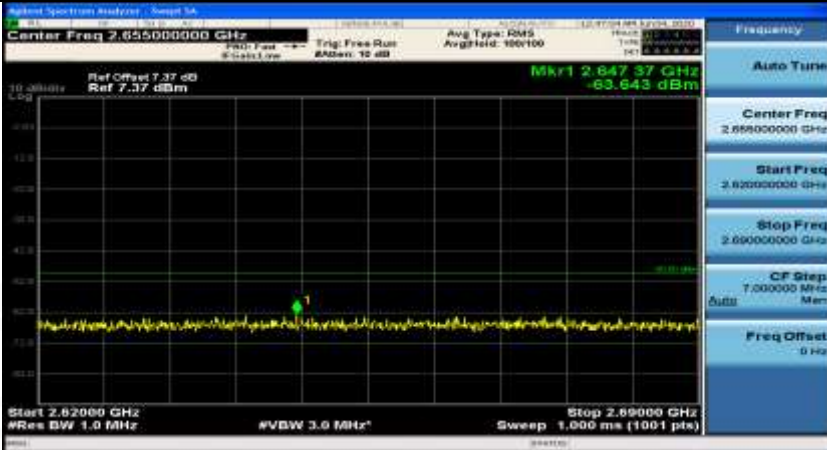
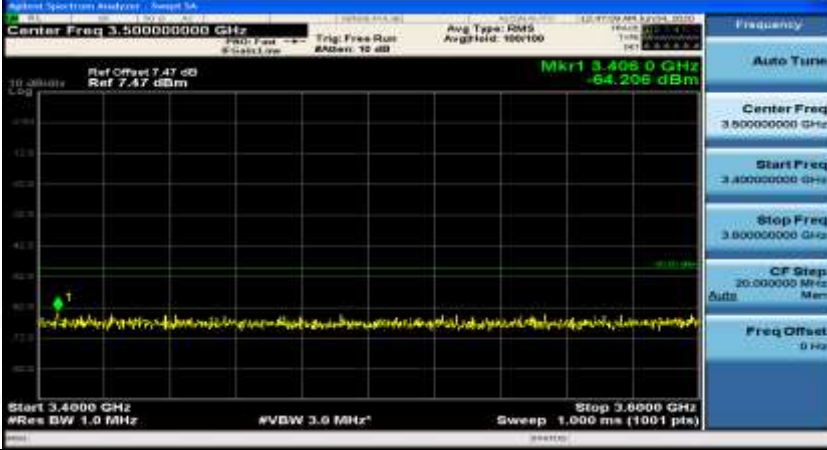
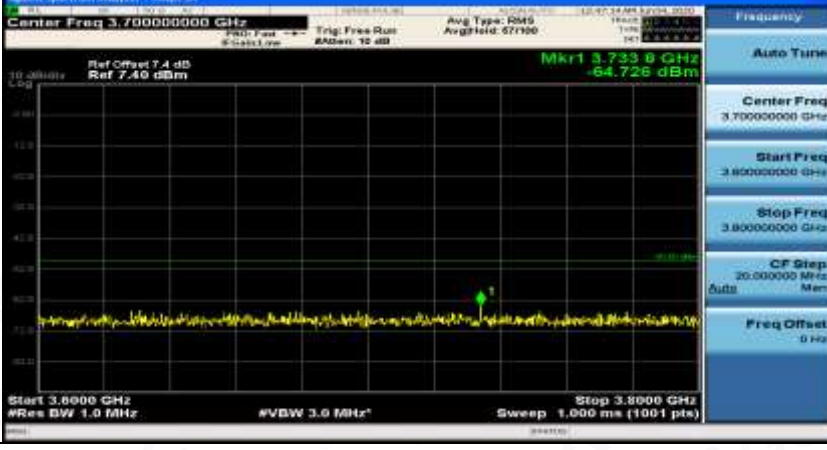
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 457.475000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 778.9 MHz -91.980 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 100 kHz Stop 885.0 MHz Sweep 105.5 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 955.025000 MHz Ref Offset 7.13 dB Ref 7.13 dBm Mkr1 918.78 MHz -76.988 dBm Start 910.05 MHz #Res BW 100 kHz #VBW 100 kHz Stop 1.00000 GHz Sweep 11.13 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.19 dB Ref 7.19 dBm Mkr1 3.140 GHz -69.290 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.567 ms (1001 pts)</p>

General	
Co-existence	
Co-existence	



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.800000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>



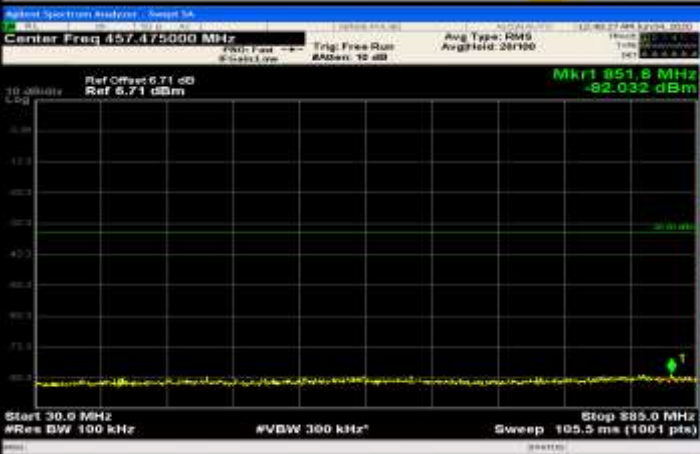
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.14000000 GHz</p> <p>Ref Offset 7.41 dB Ref 7.41 dBm</p> <p>Mkr1 2.18138 GHz -64.927 dBm</p> <p>Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.35000000 GHz</p> <p>Ref Offset 7.07 dB Ref 7.07 dBm</p> <p>Mkr1 2.3917 GHz -65.590 dBm</p> <p>Start 2.30000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.40000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.59500000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.60710 GHz -64.350 dBm</p> <p>Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

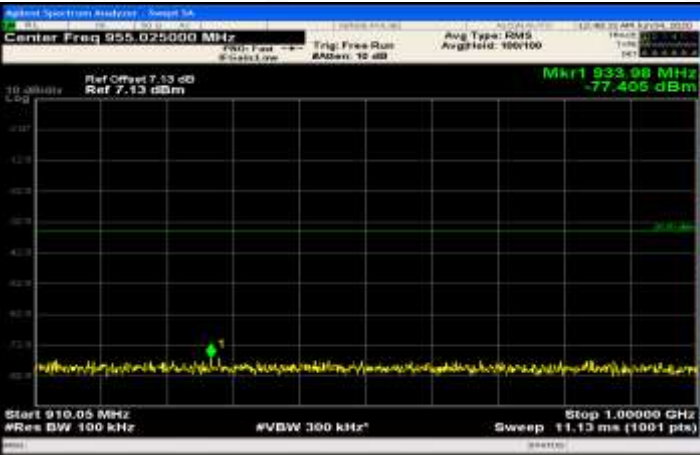


Co-existence	
Co-existence	
Co-existence	
Additional	NA

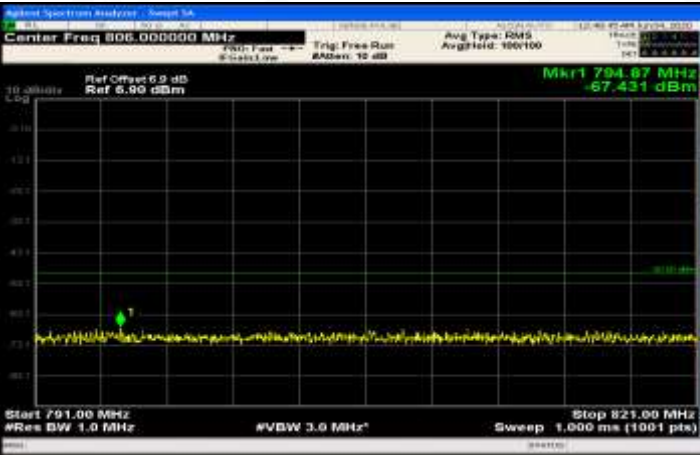
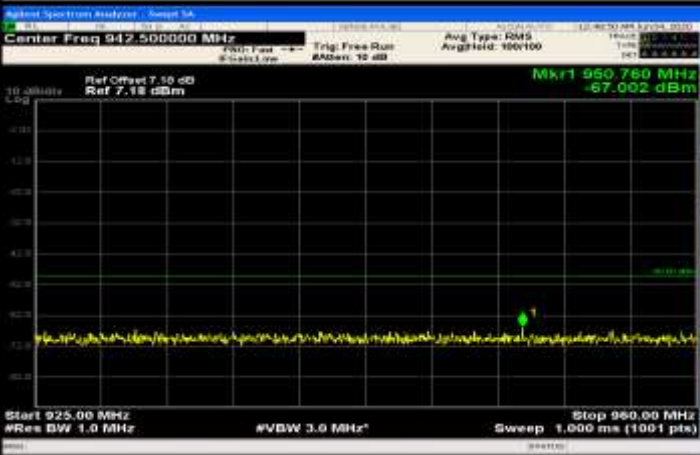
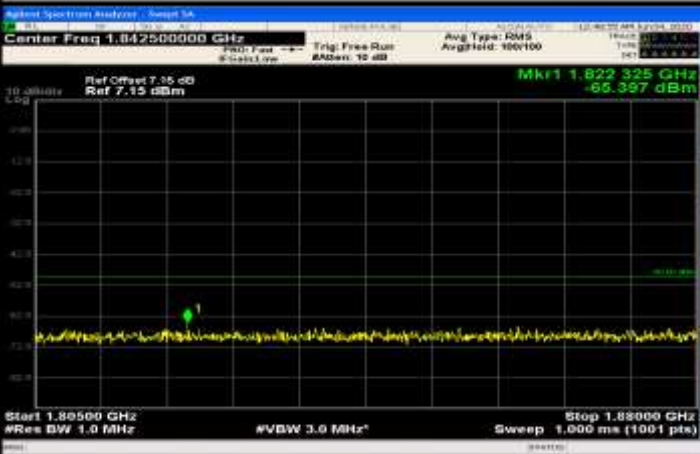
Channel Bandwidth= (5 MHz)\_QPSK\_MCH\_FullIRB#0



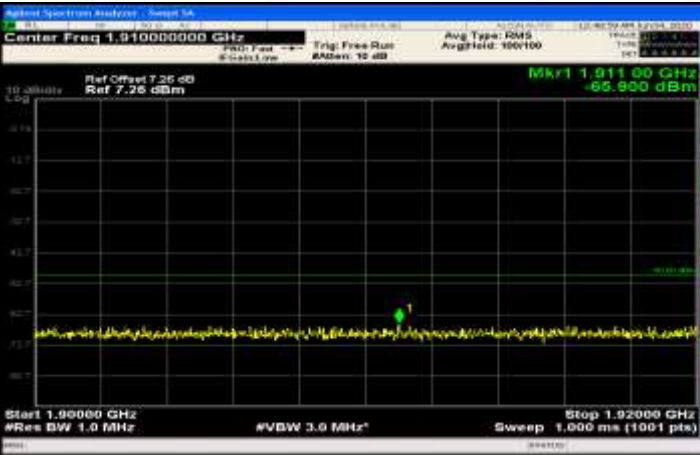
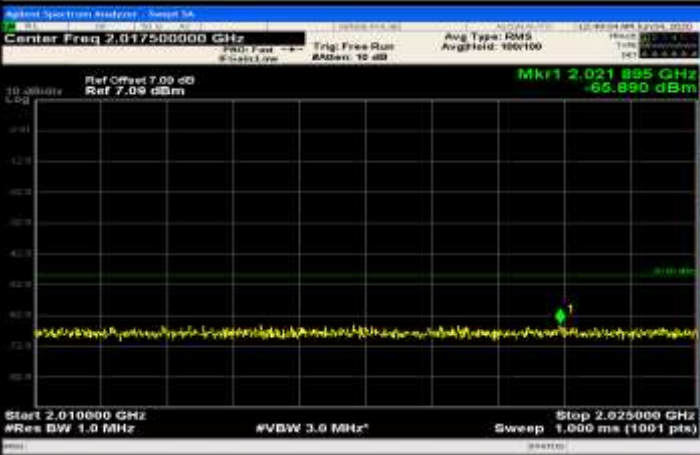
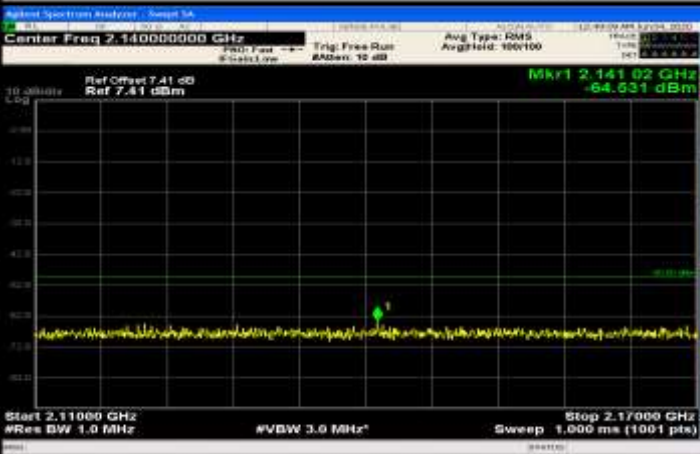


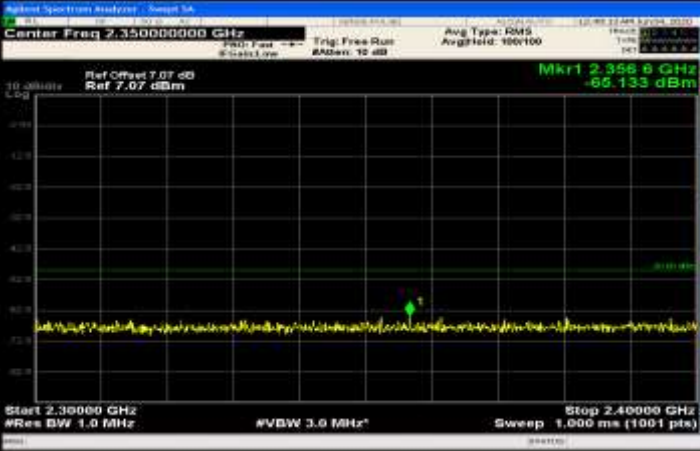
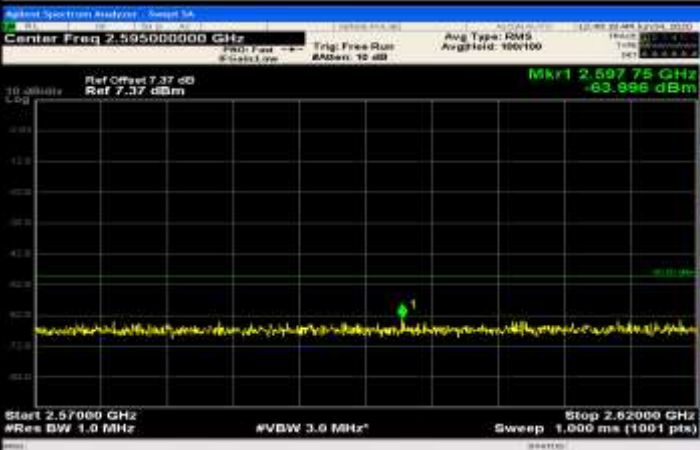
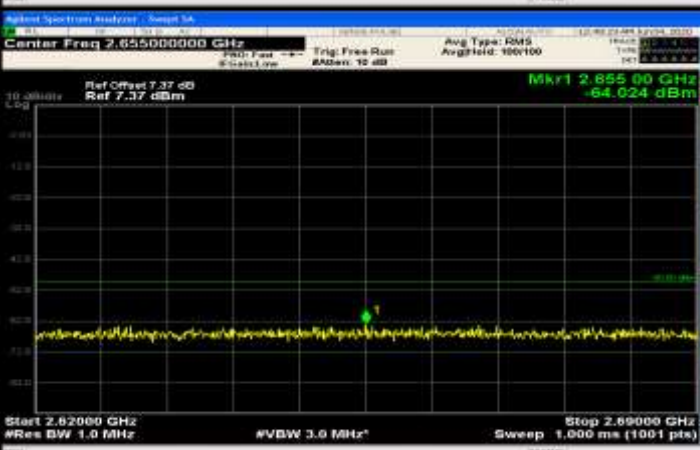
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.985000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 457.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 884.950000 MHz</p> <p>CF Step 85.495000 MHz</p> <p>Freq Offset 0 Hz</p>

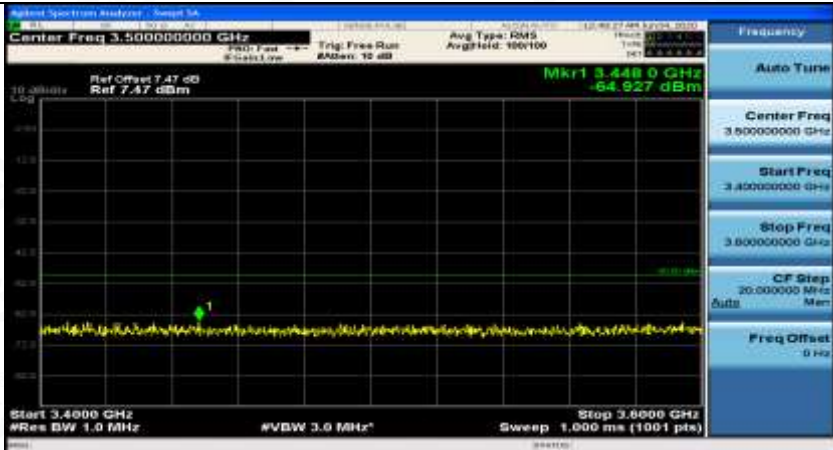

General	 <p>Agilent Spectrum Analyzer - Setup SA Center Freq 955.025000 MHz Ref Offset 7.53 dB Ref 7.13 dBm Mkr1 933.98 MHz -77.405 dBm Start 910.05 MHz #Res BW 100 kHz #VBW 300 kHz* Sweep 1.00000 GHz Stop 1.00000 GHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 955.025000 MHz</p> <p>Start Freq 910.050000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 0.995000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Setup SA Center Freq 3.00000000 GHz Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 3.172 GHz -67.848 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 6.667 ms (1001 pts) Stop 5.000 GHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.00000000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 400.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Setup SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.07 dBm Mkr1 12.285 00 GHz -67.352 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 12.93 ms (1001 pts) Stop 12.750 GHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 5.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 775.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

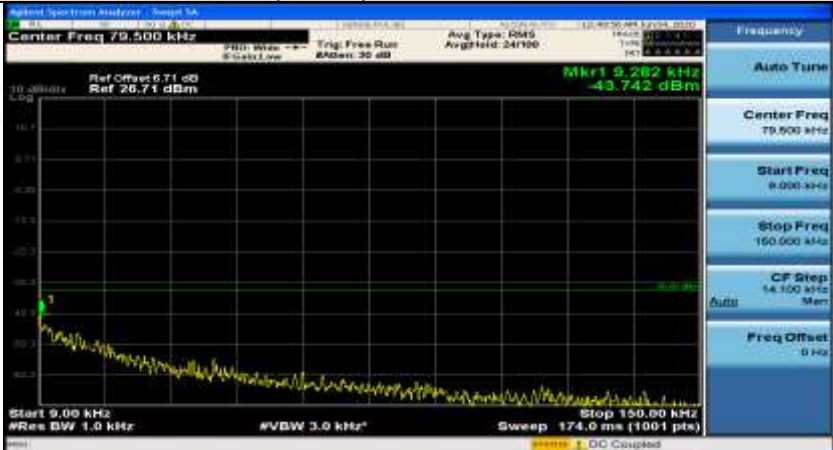
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>




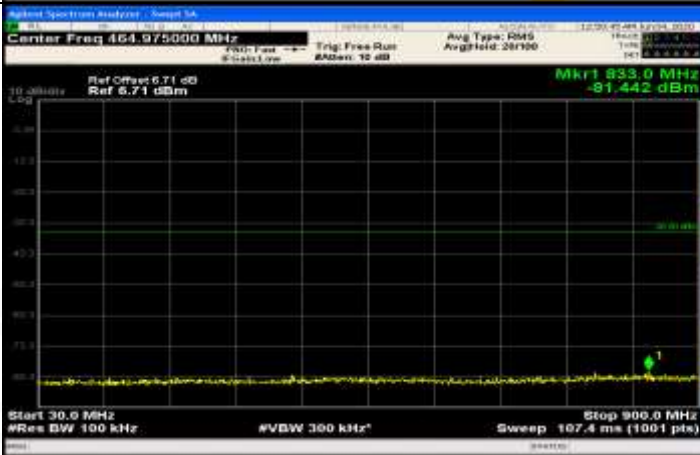
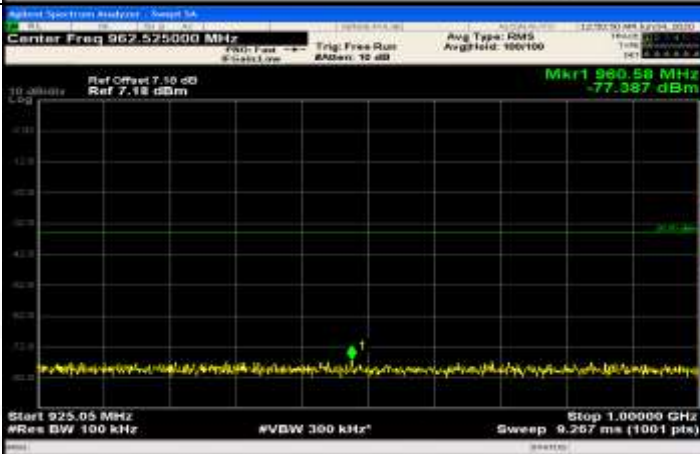
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>



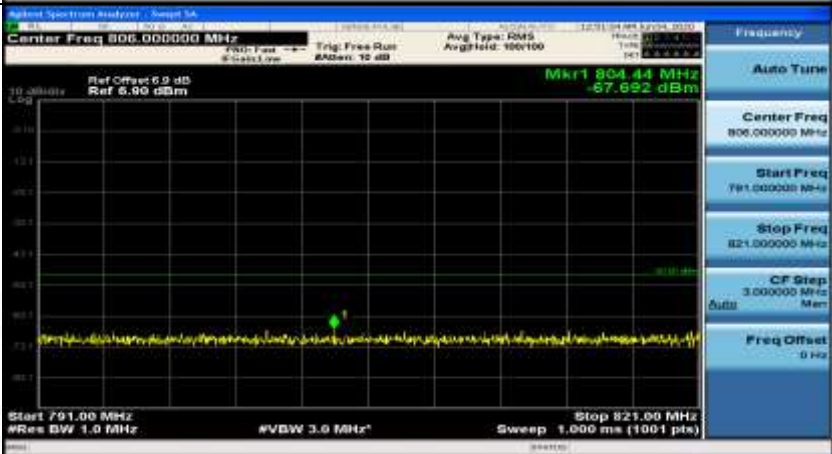
Co-existence	
Co-existence	
Additional	NA

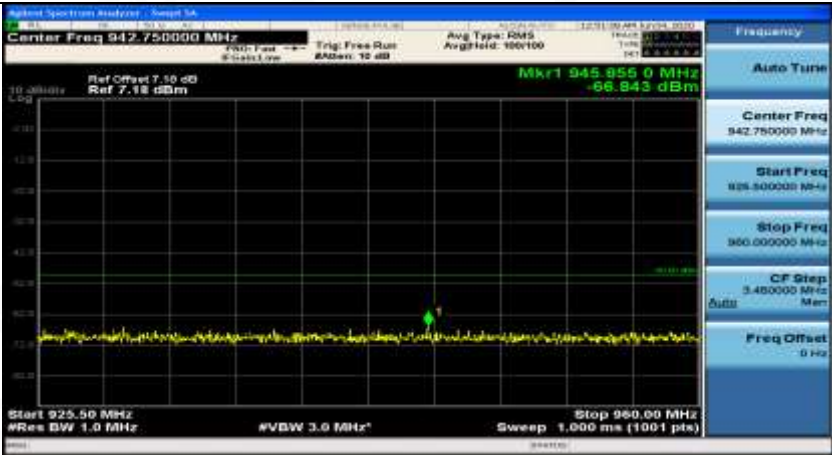
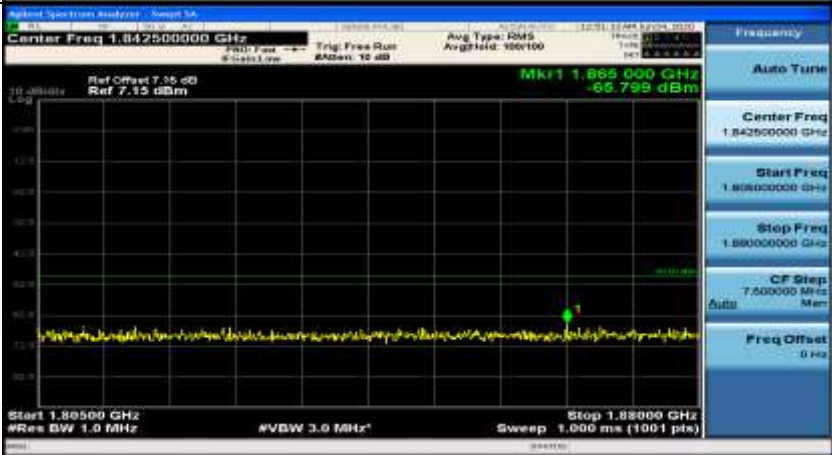
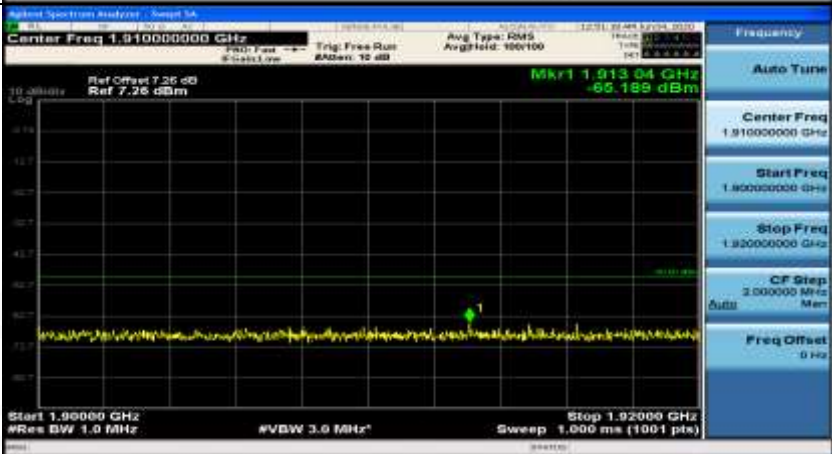
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	



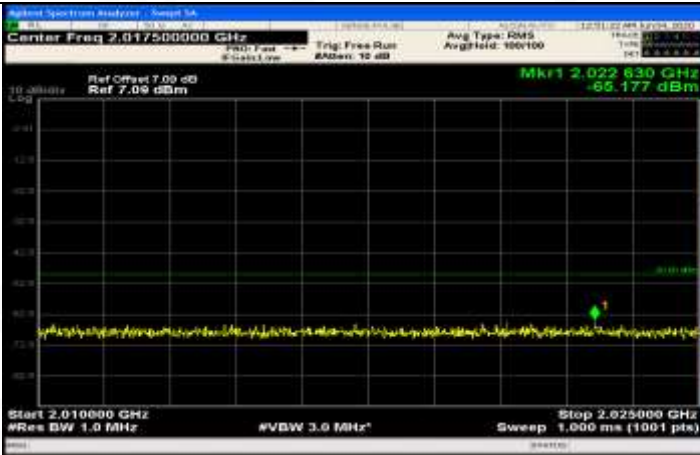
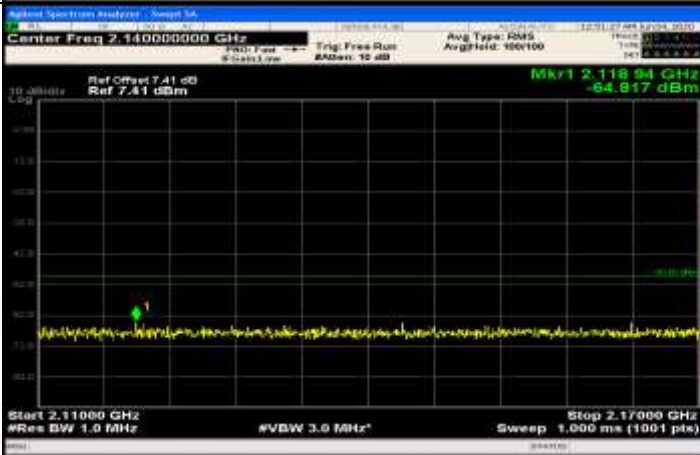
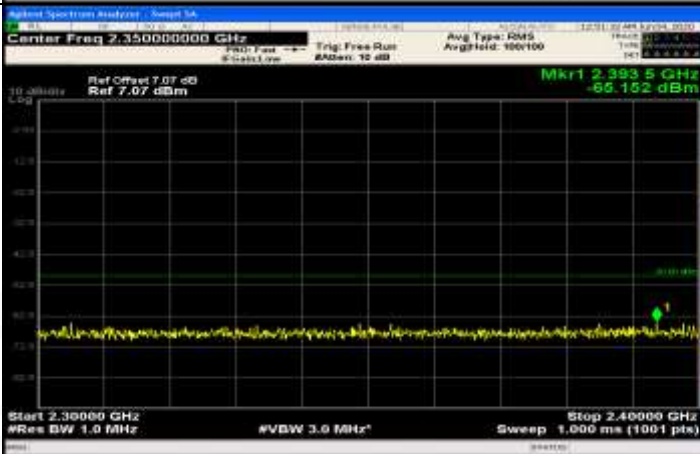
General	
General	
General	

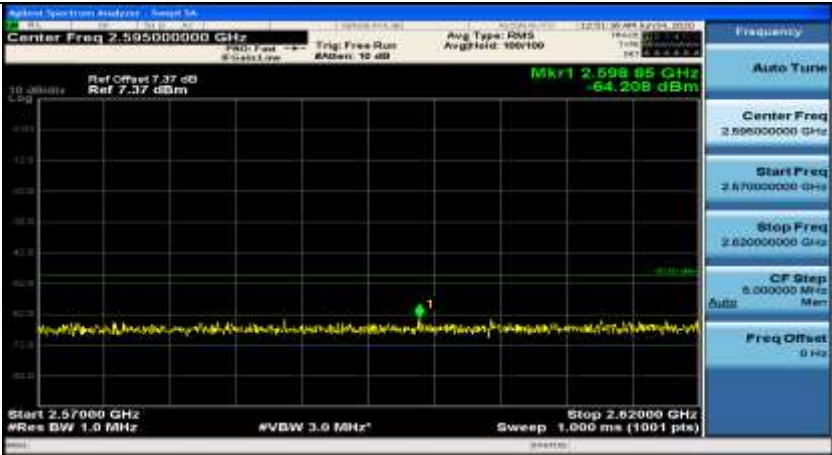

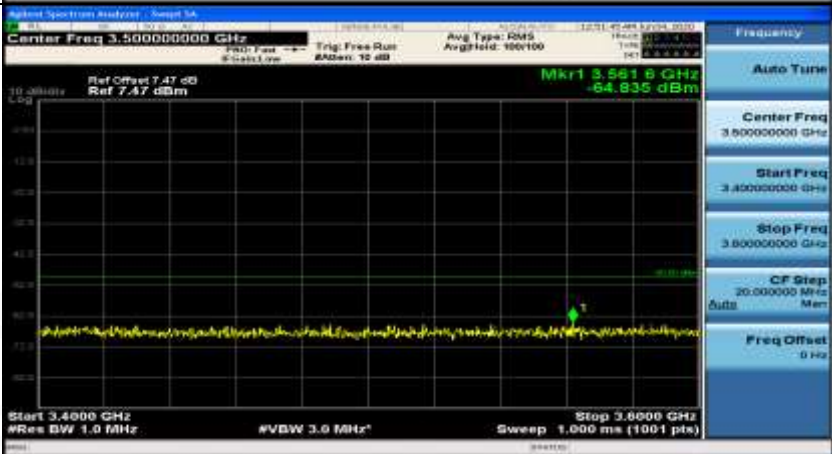


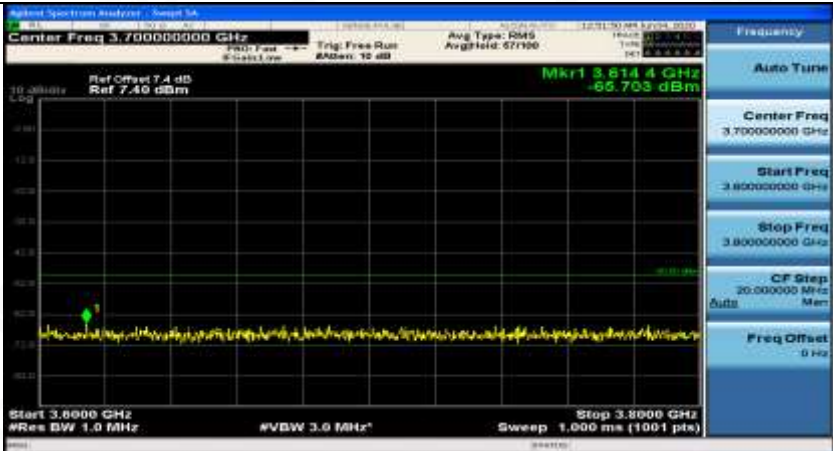
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.00000000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 3.280 GHz -69.367 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.667 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.07 dBm Mkr1 12.750 GHz -69.090 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 804.44 MHz -67.692 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>

Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

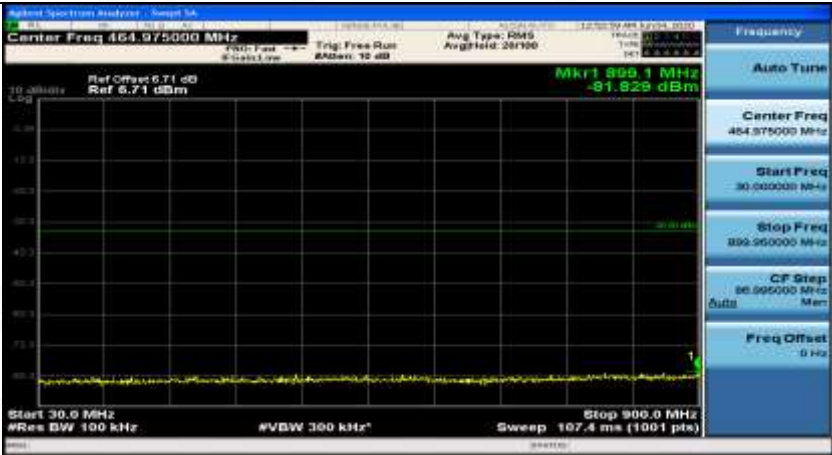
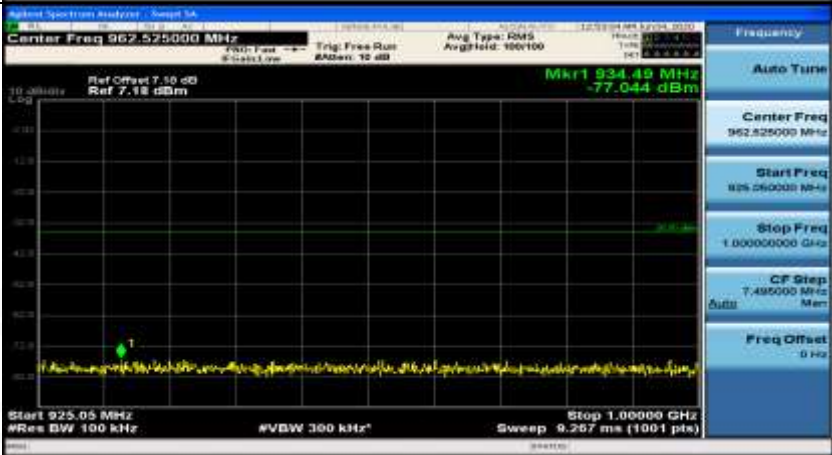

Co-existence	
Additional	NA


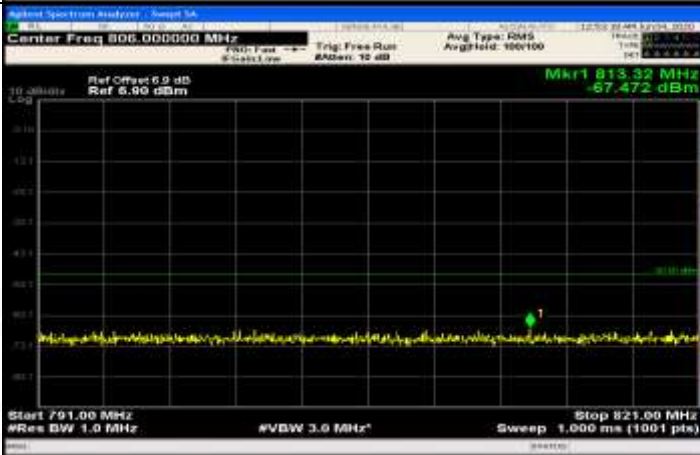
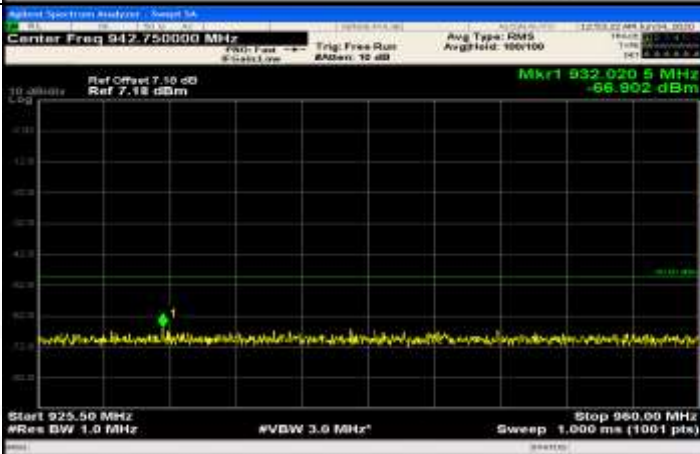
Channel Bandwidth= (5 MHz)\_QPSK\_HCH\_1RB#max

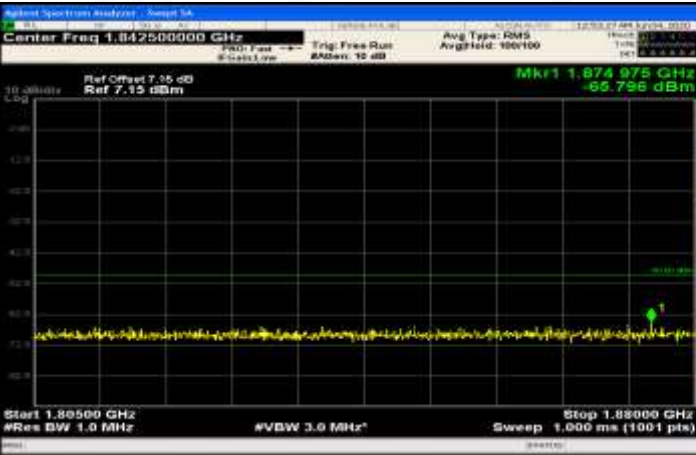
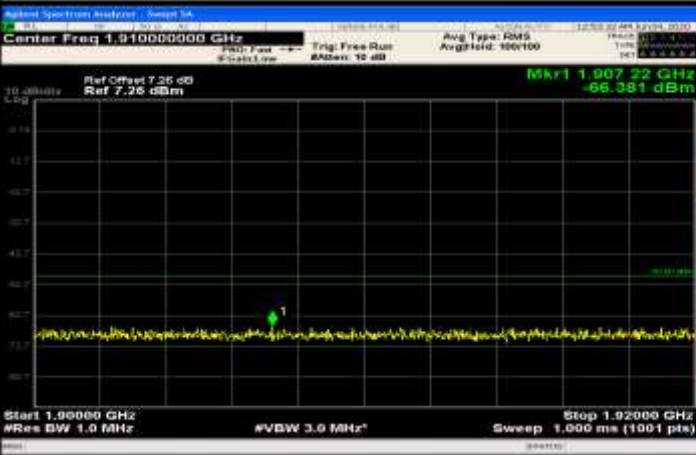
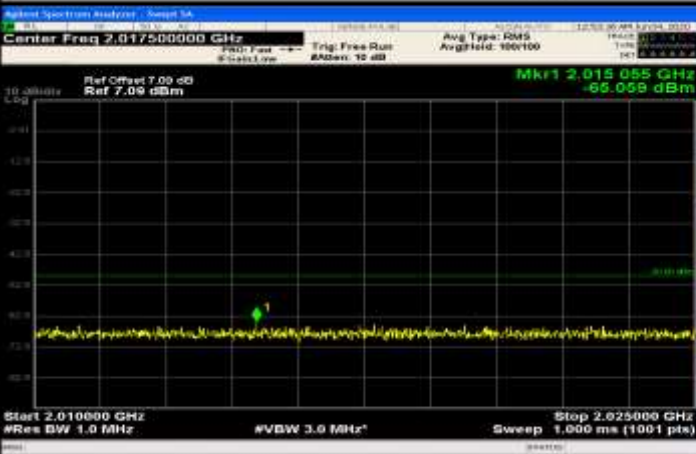
General	
General	



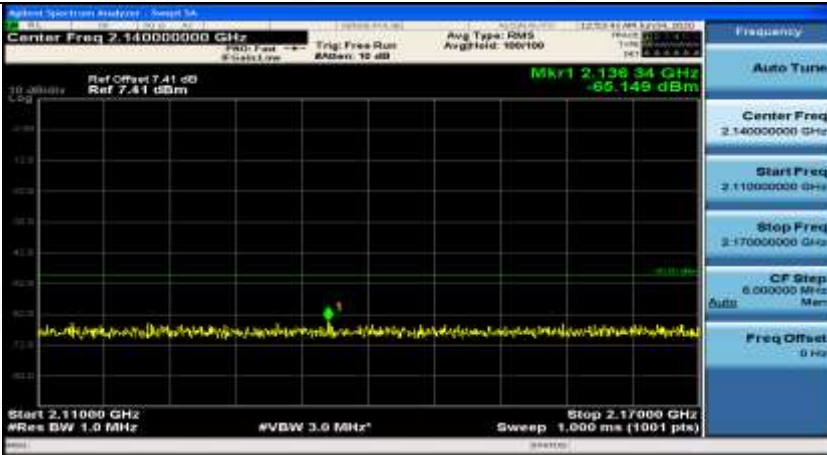
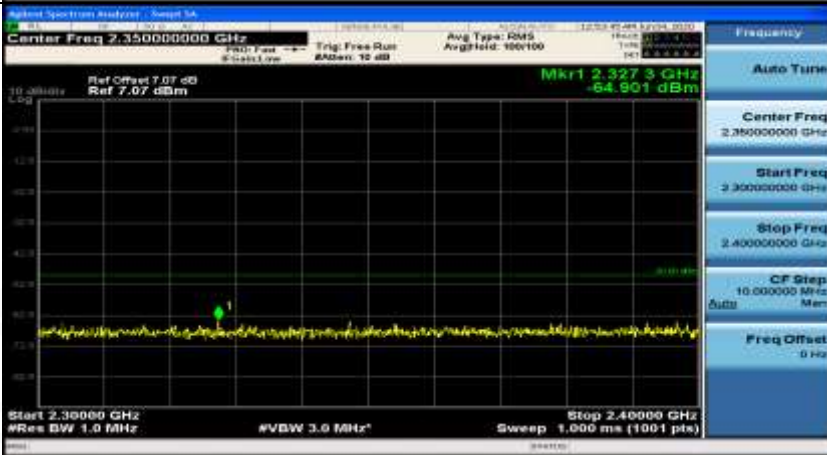
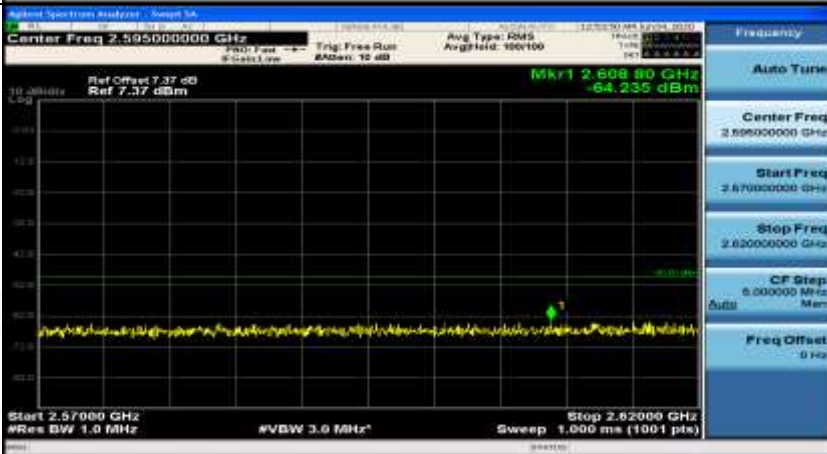


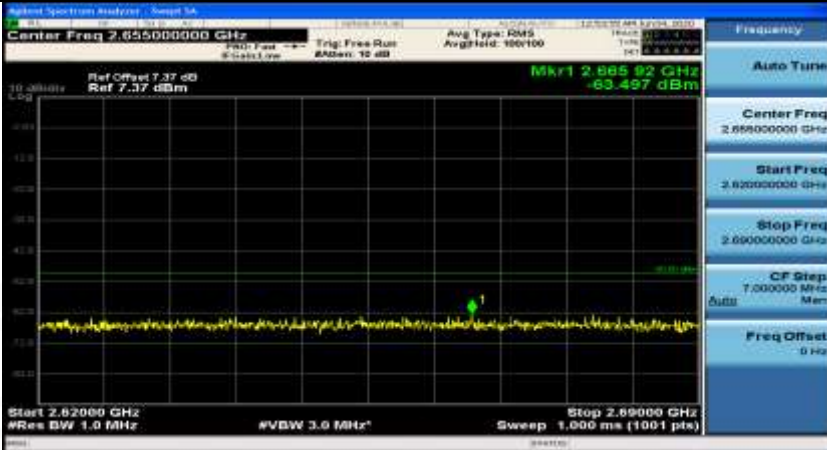
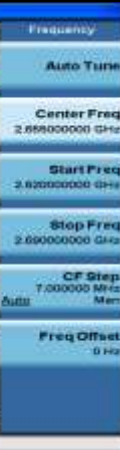

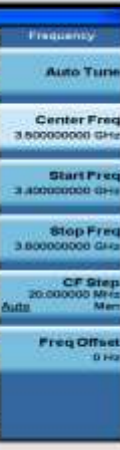
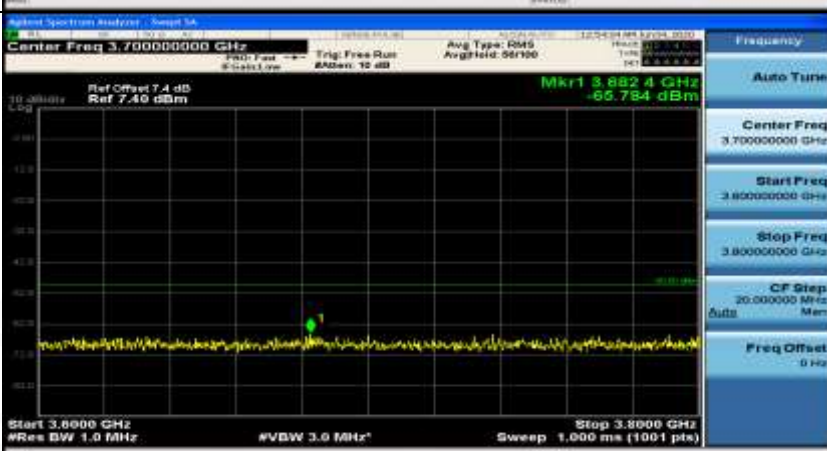

General	
General	
General	

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 775.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 781.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.750000 MHz</p> <p>Start Freq 895.500000 MHz</p> <p>Stop Freq 990.000000 MHz</p> <p>CF Step 3.450000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.805000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



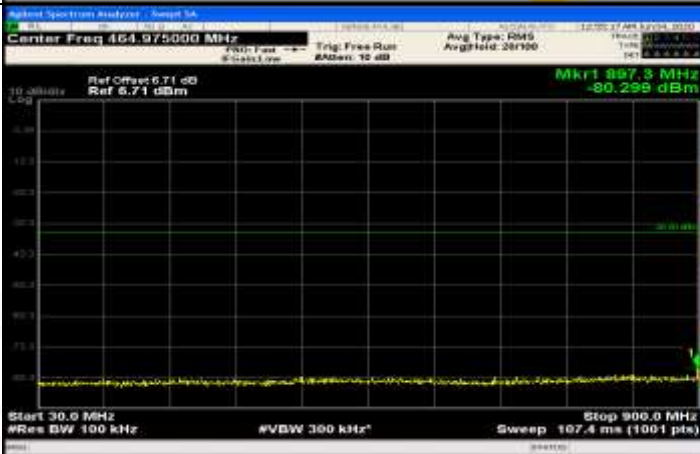


Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.14000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.138 34 GHz -66.149 dBm Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.35000000 GHz Ref Offset 7.07 dB Ref 7.07 dBm Mkr1 2.327 3 GHz -64.901 dBm Start 2.30000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.40000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.59500000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.608 80 GHz -64.235 dBm Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>

Co-existence		
Co-existence		
Co-existence		
Additional	NA	

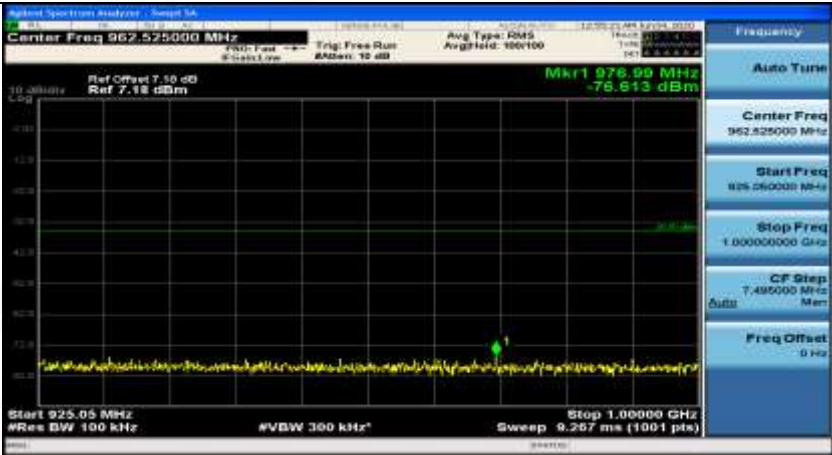


Channel Bandwidth= (5 MHz)\_QPSK\_HCH\_FullIRB#0

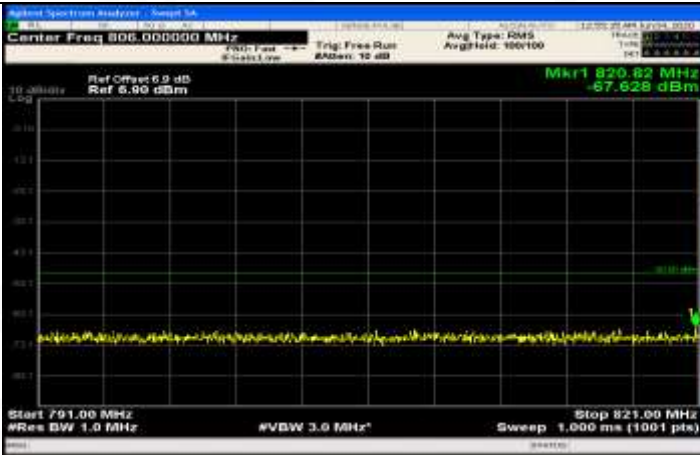
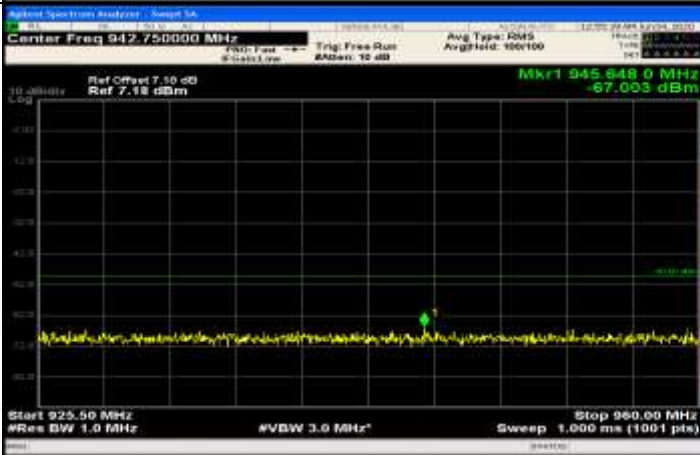
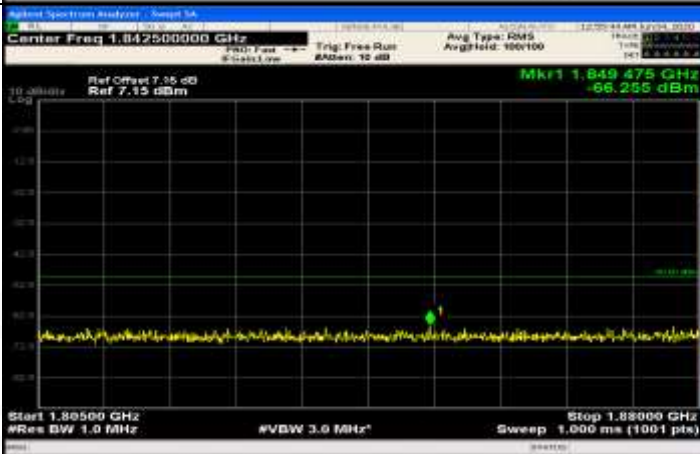


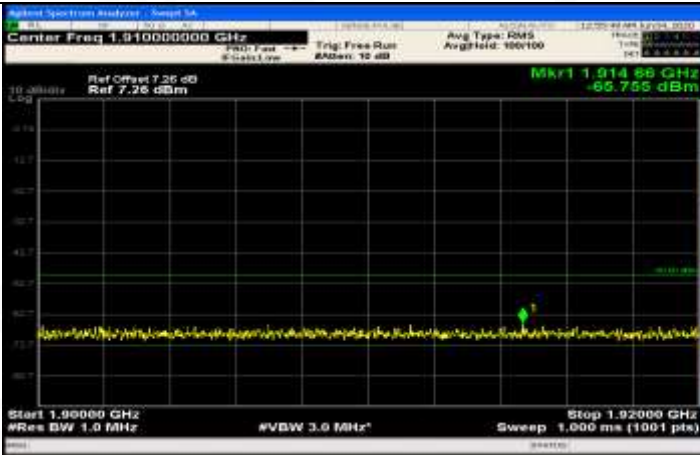
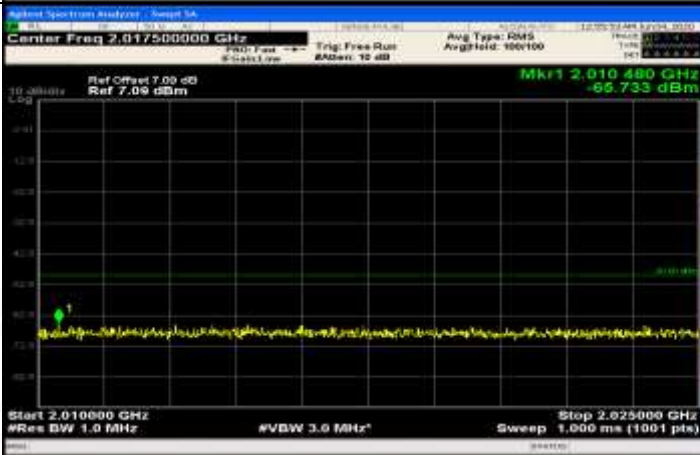
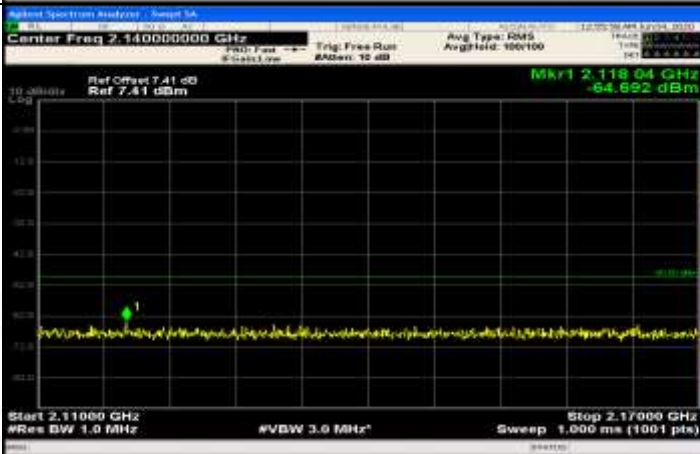
General	
General	
General	





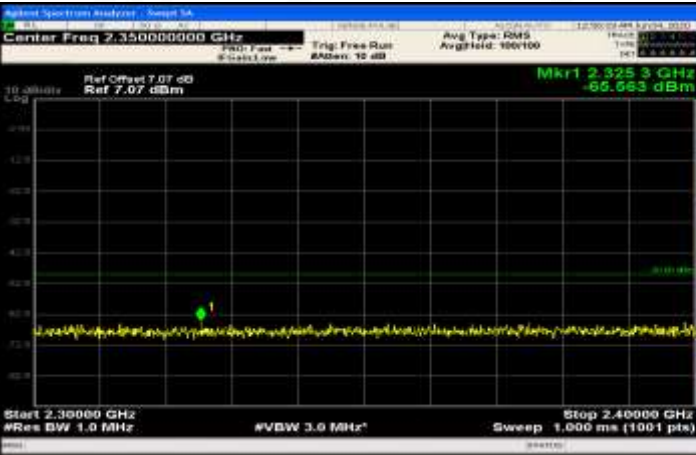
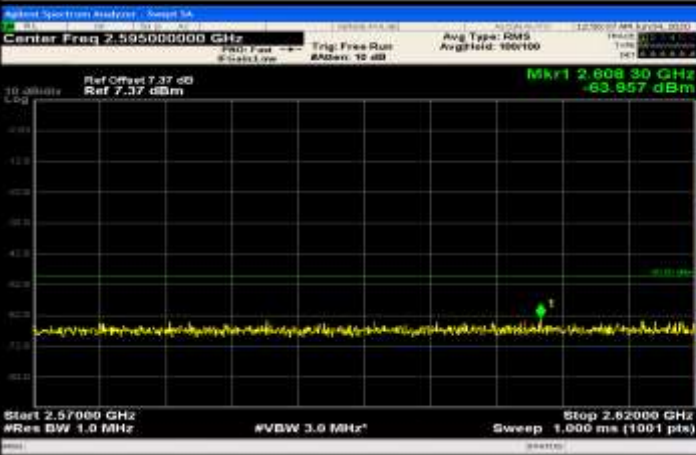
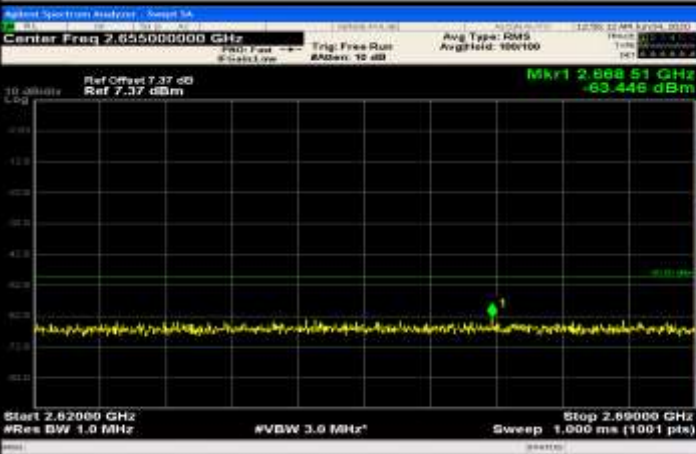
General	
General	
General	

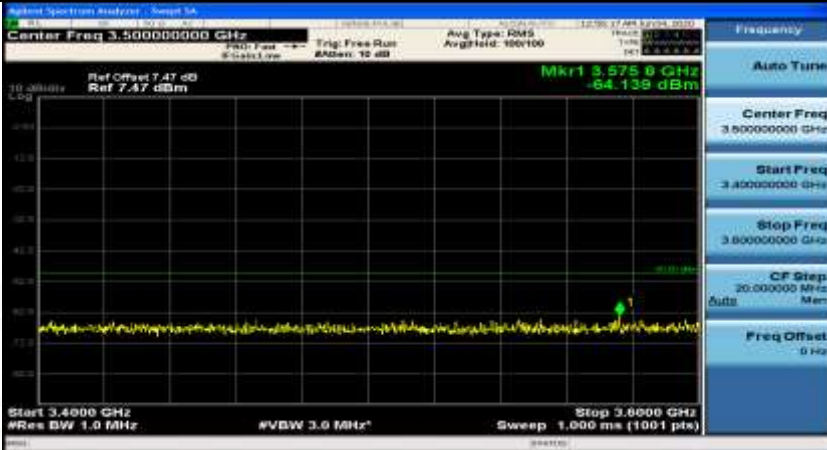

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.750000 MHz</p> <p>Start Freq 925.500000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.480000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.805000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	





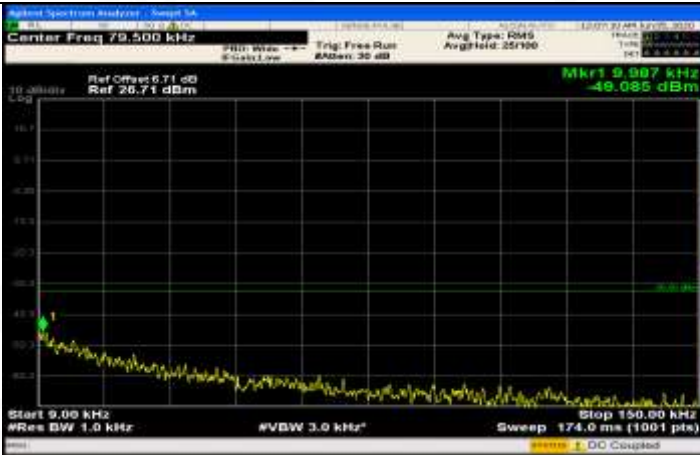

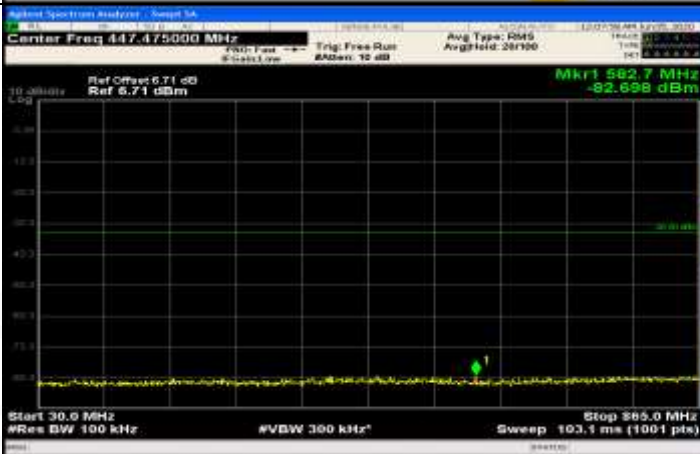
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.00000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.00000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.00000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Additional	NA

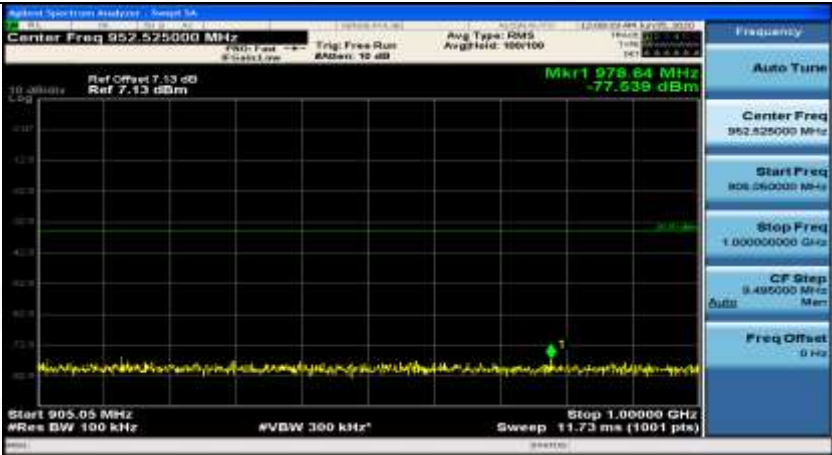


Channel Bandwidth= (10 MHz)

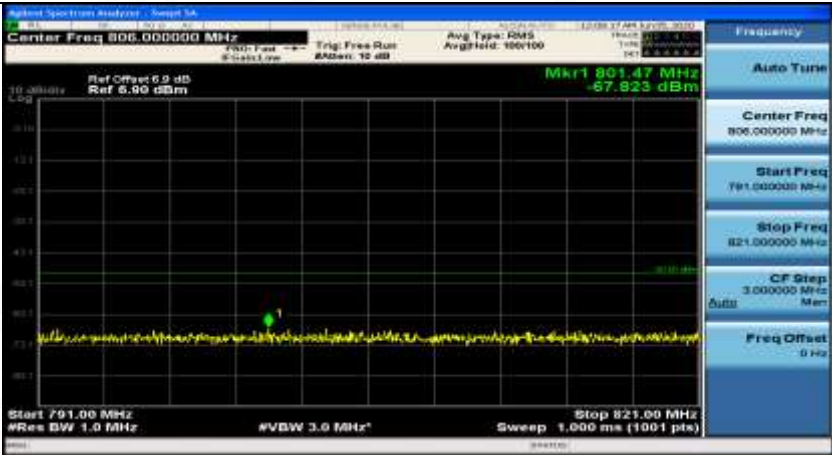
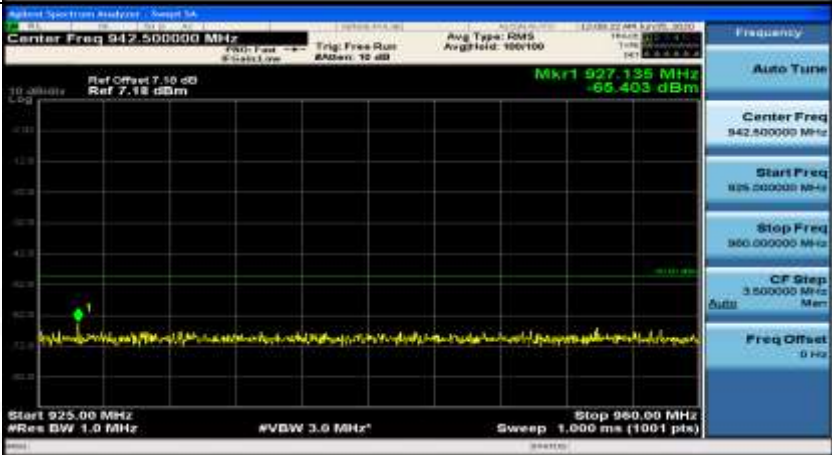
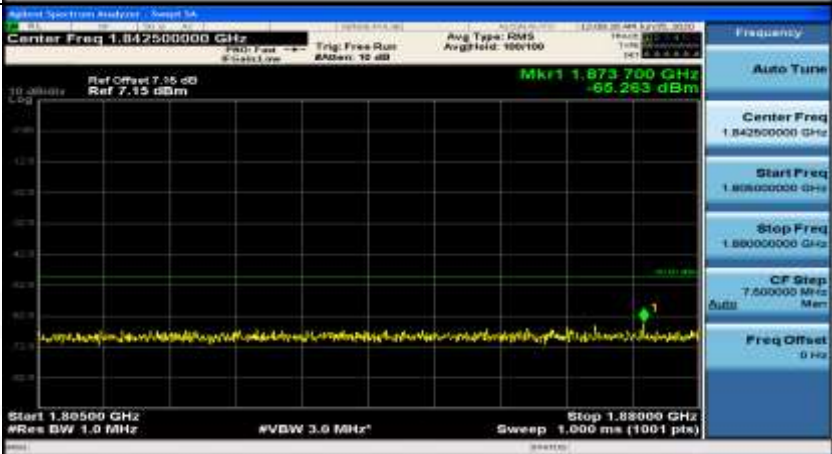
Channel Bandwidth=Highest (10 MHz)\_QPSK\_LCH\_1RB#0

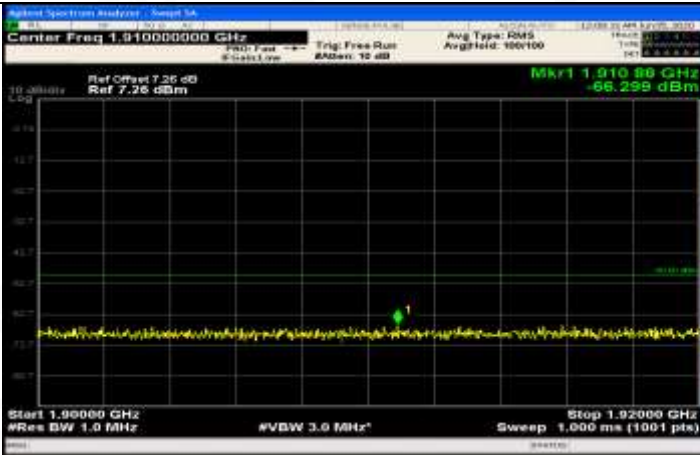
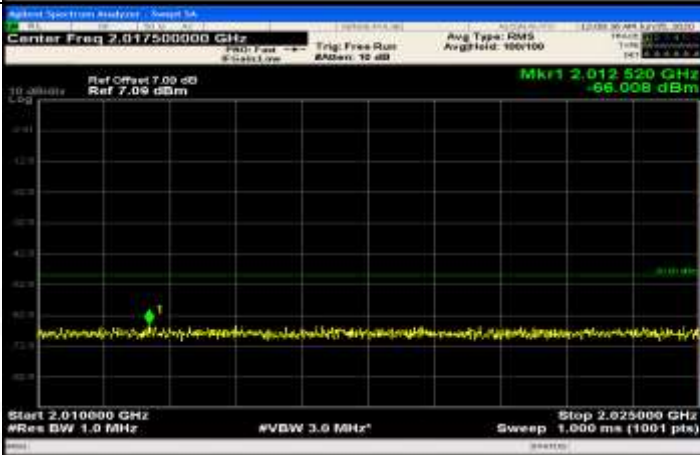
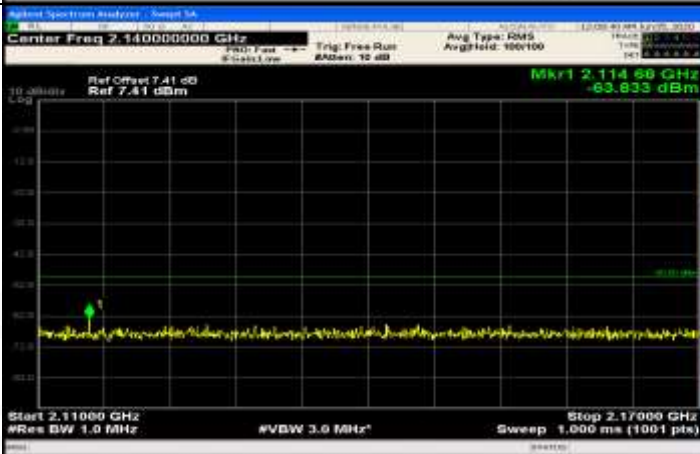


General	
General	
General	

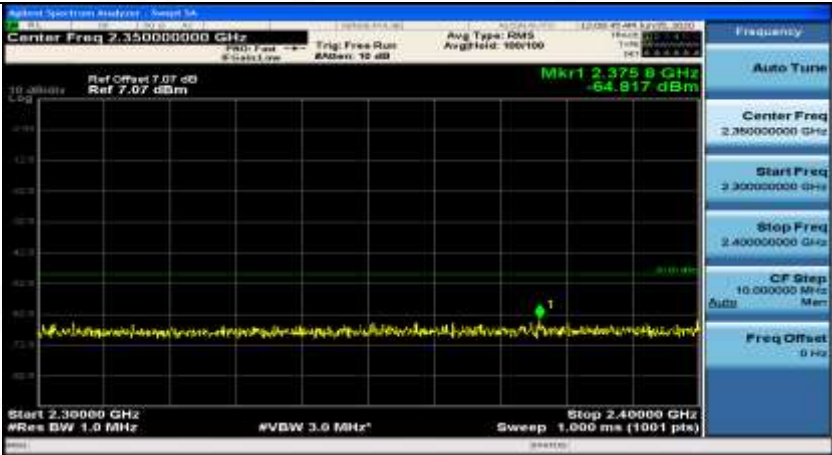

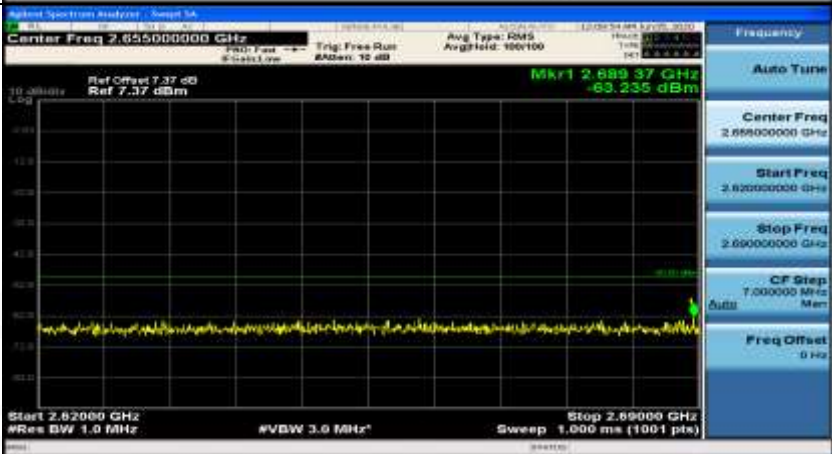


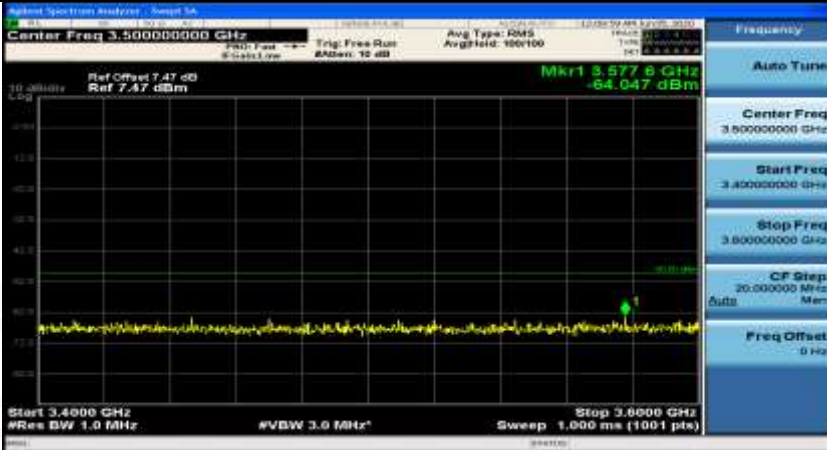
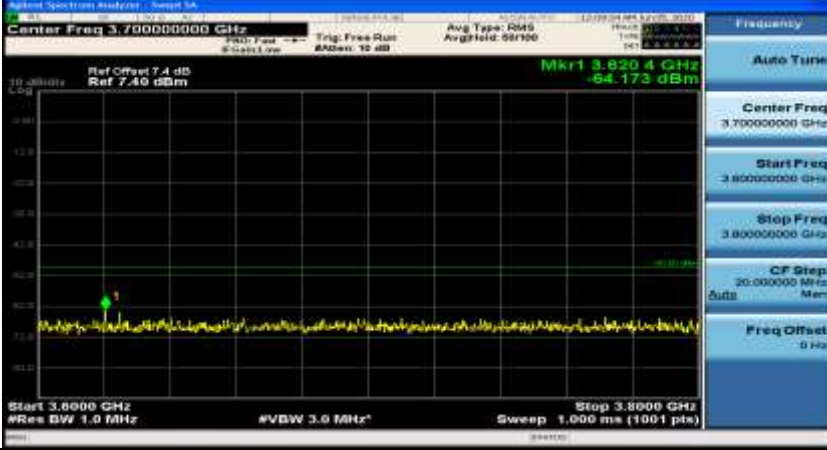
General	
General	
General	

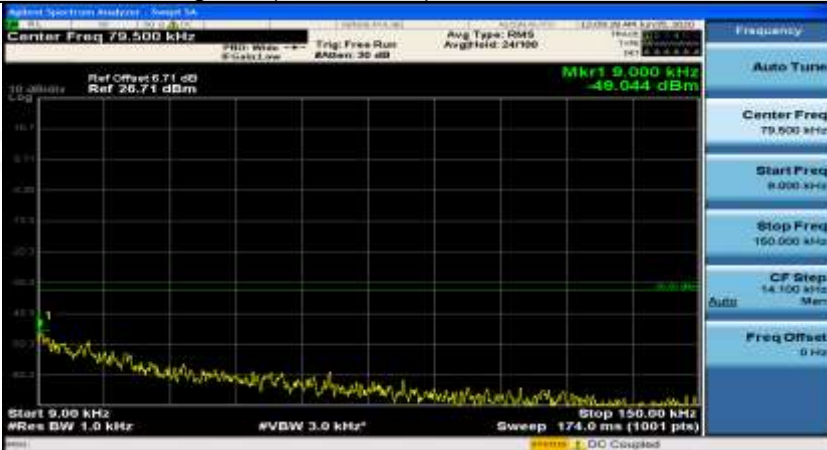
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


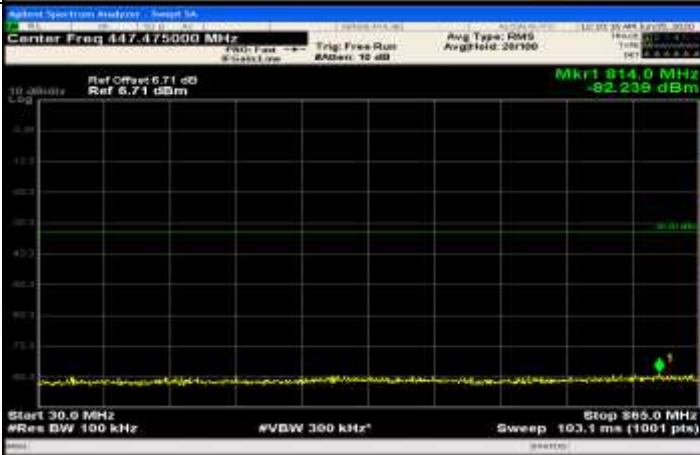
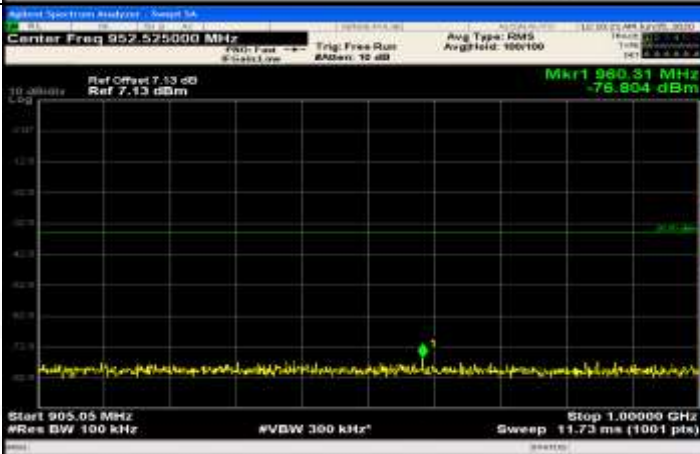


Co-existence	
Co-existence	
Co-existence	

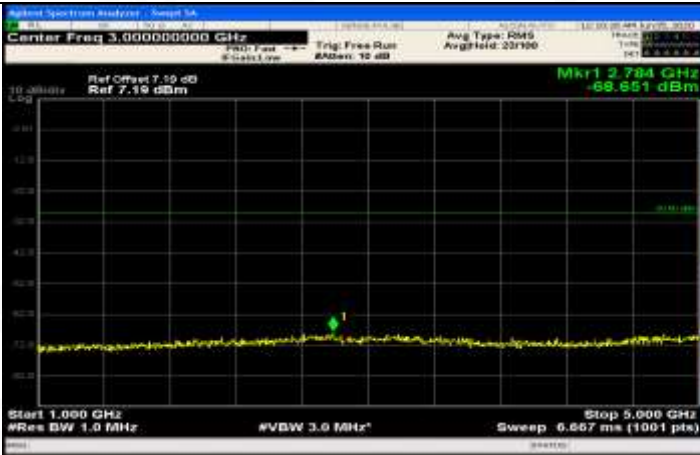

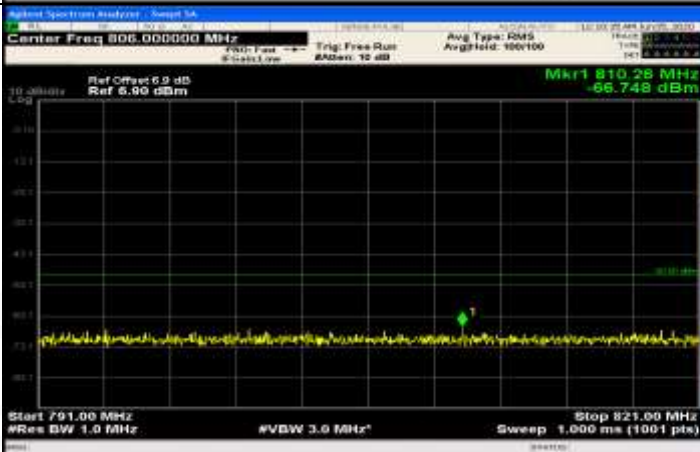
Co-existence	
Co-existence	
Additional	NA

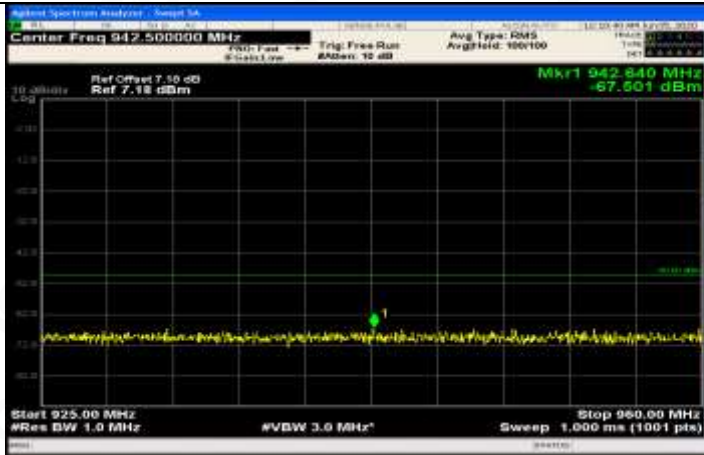
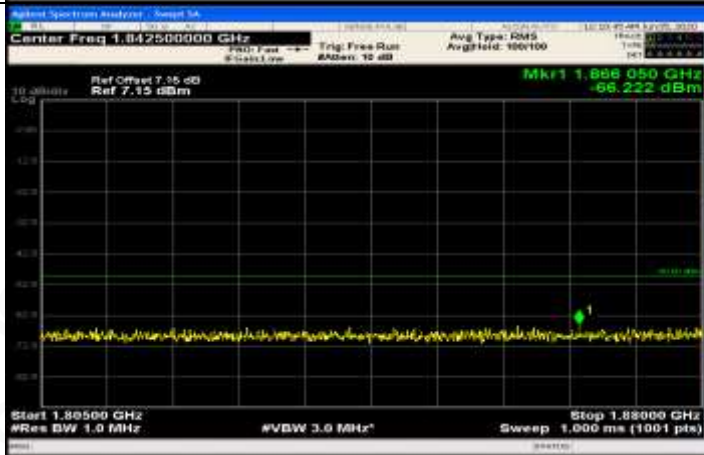
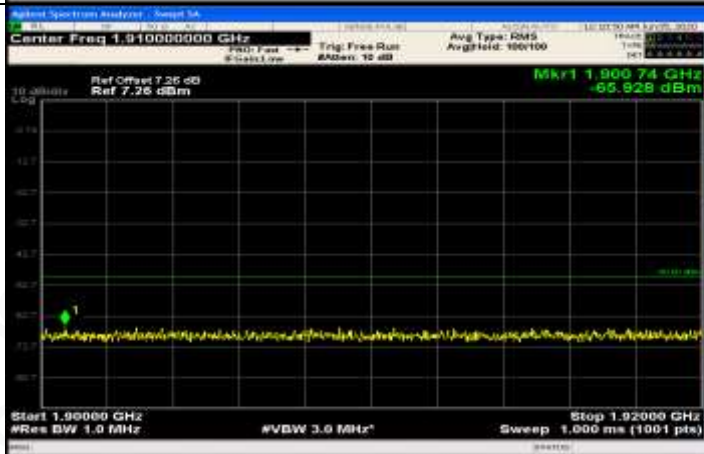
Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	

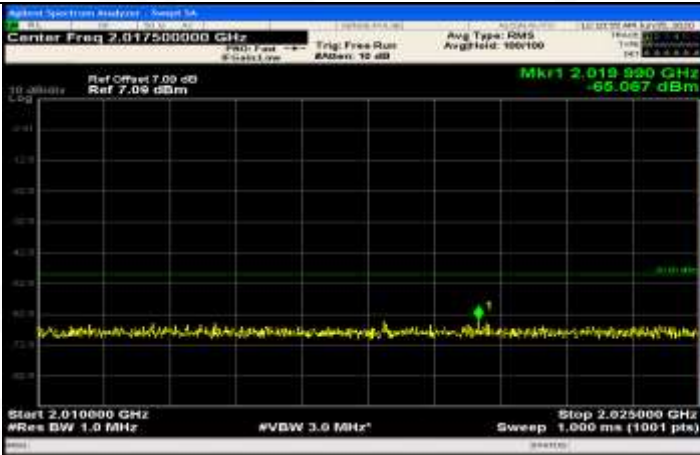
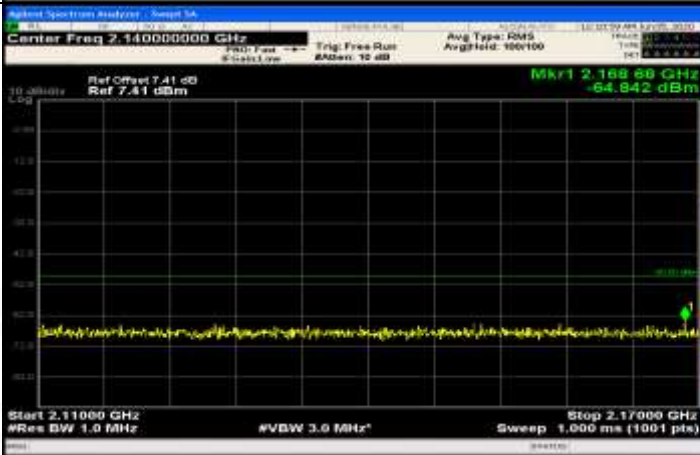
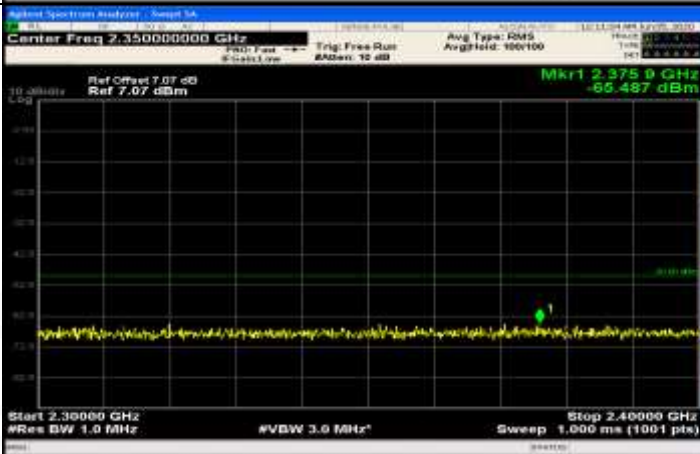


General	
General	
General	

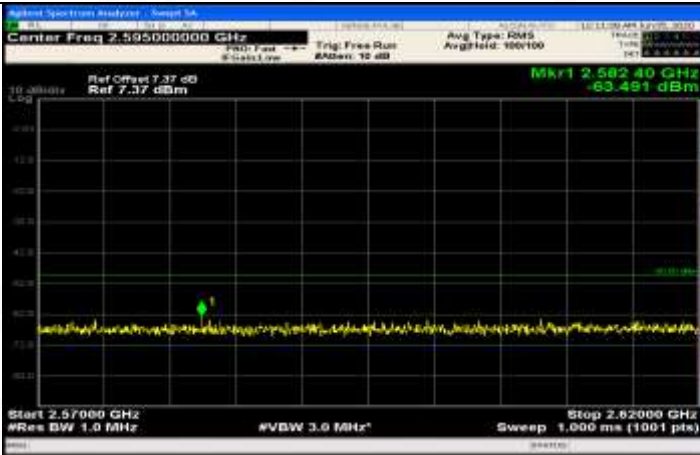
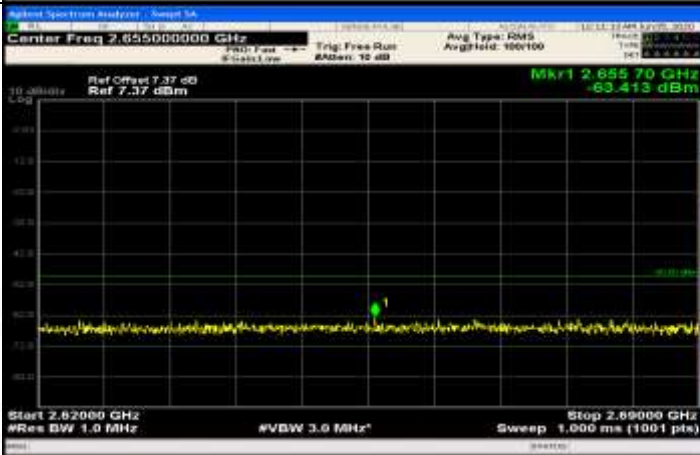
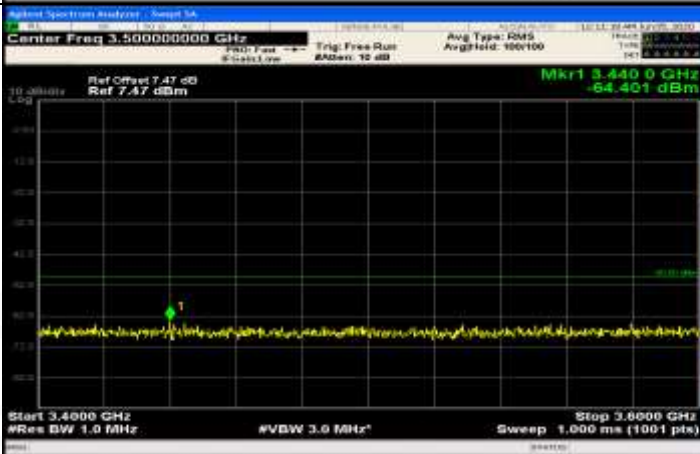


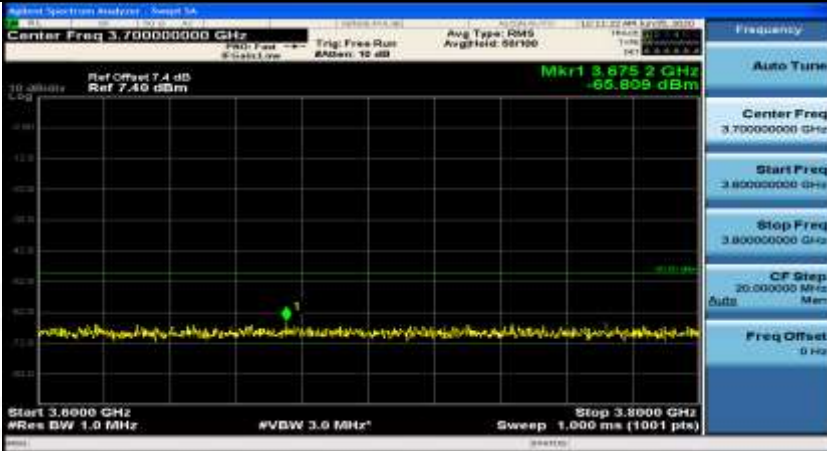
General	
General	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	



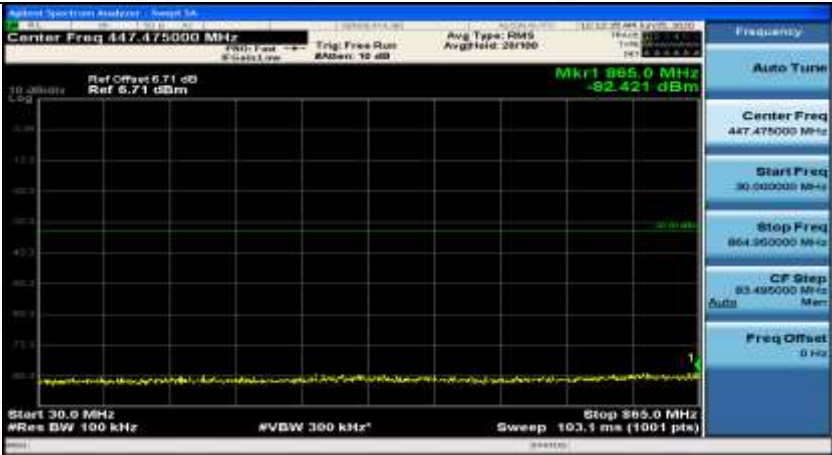
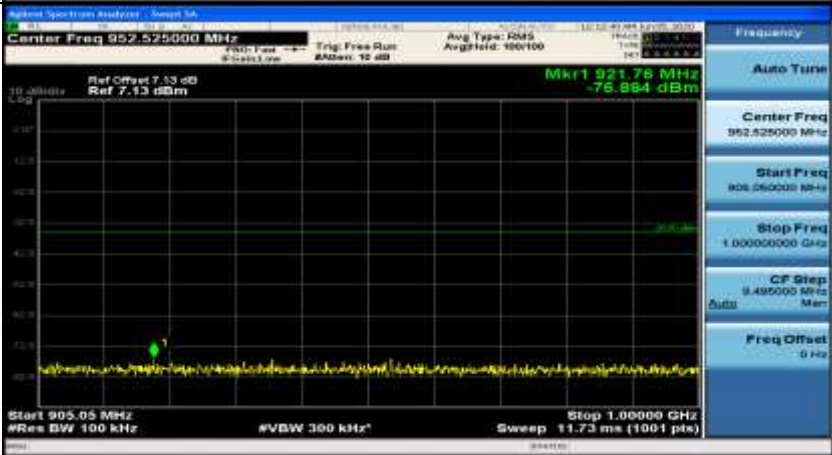

Co-existence	
Co-existence	
Co-existence	

Co-existence		Frequency Auto Tune Center Freq 3.70000000 GHz Start Freq 3.60000000 GHz Stop Freq 3.80000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Additional	NA	


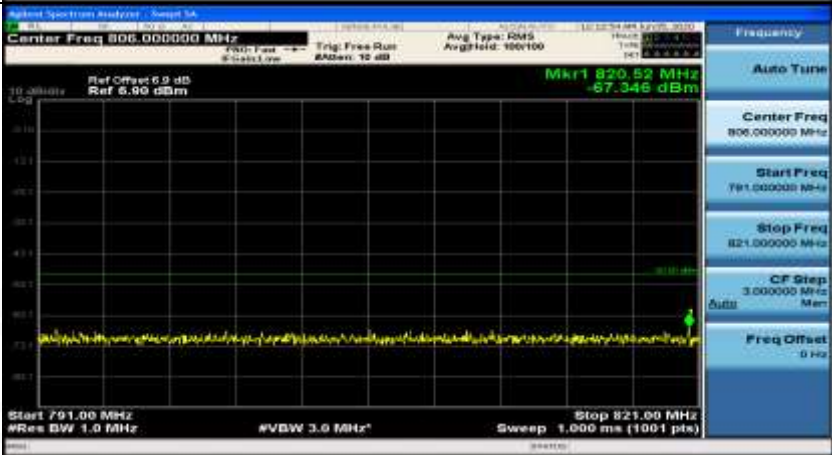
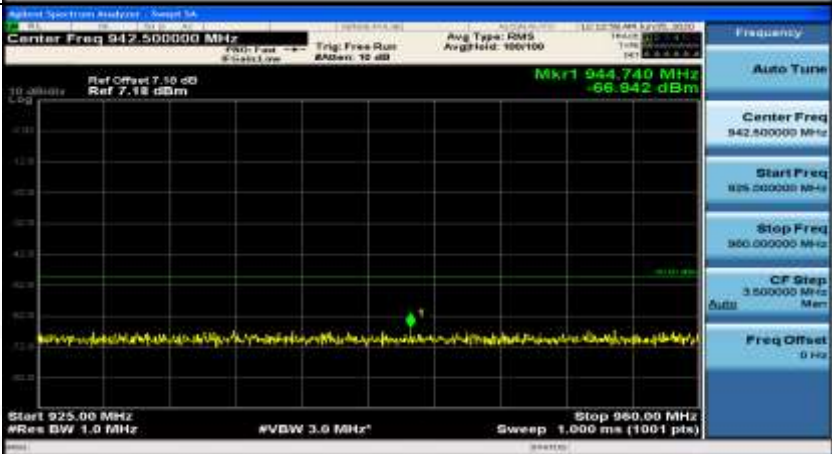
Channel Bandwidth=Highest (10 MHz)\_QPSK\_LCH\_FullIRB#0

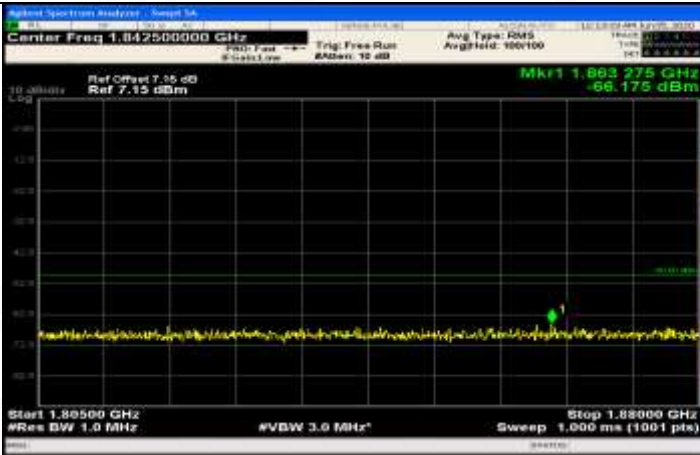
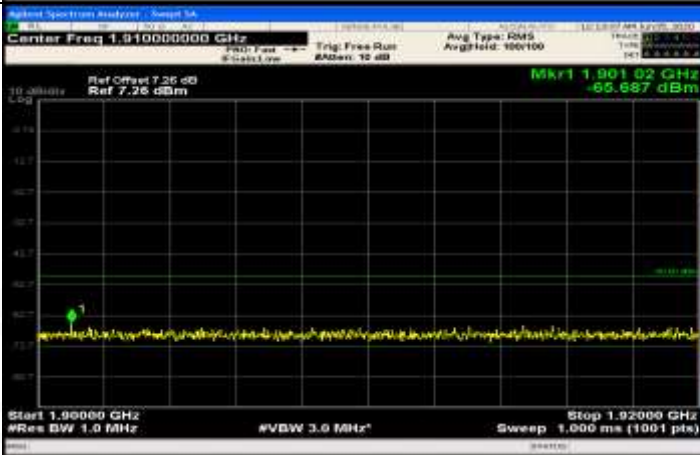
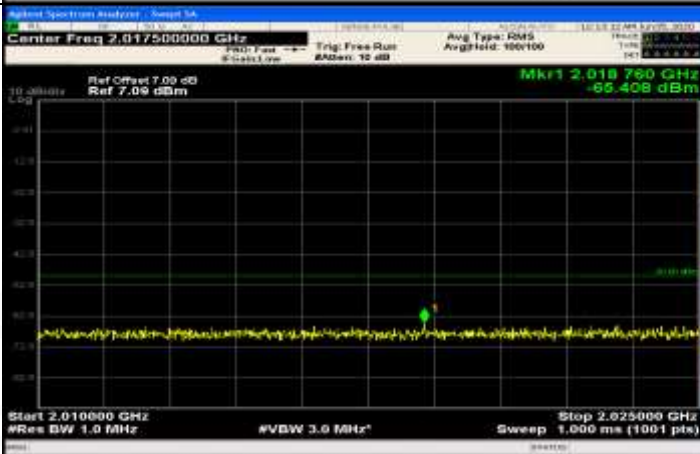
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 0.000 kHz Stop Freq 160.000 kHz CF Step 14.100 kHz Auto Mem Freq Offset 0 Hz
General		Frequency Auto Tune Center Freq 15.075000 MHz Start Freq 150.000 kHz Stop Freq 30.000000 MHz CF Step 2.385000 MHz Auto Mem Freq Offset 0 Hz

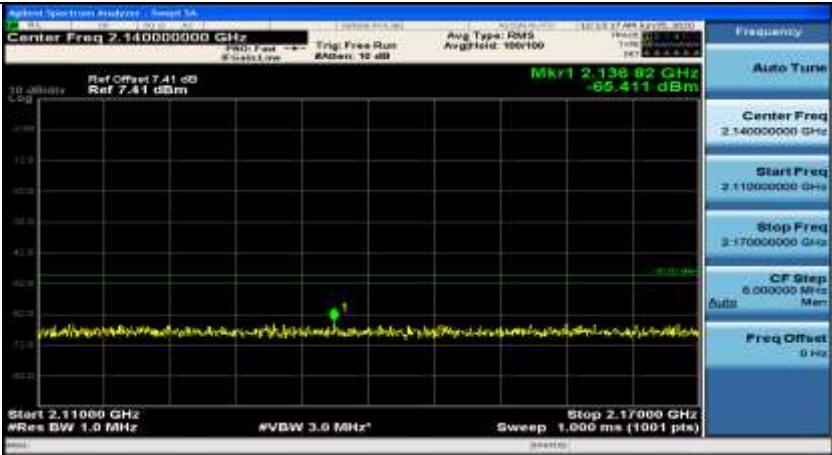
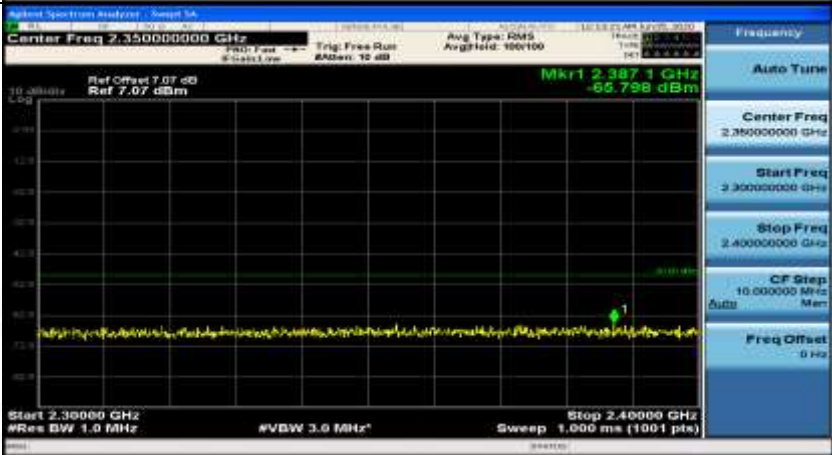
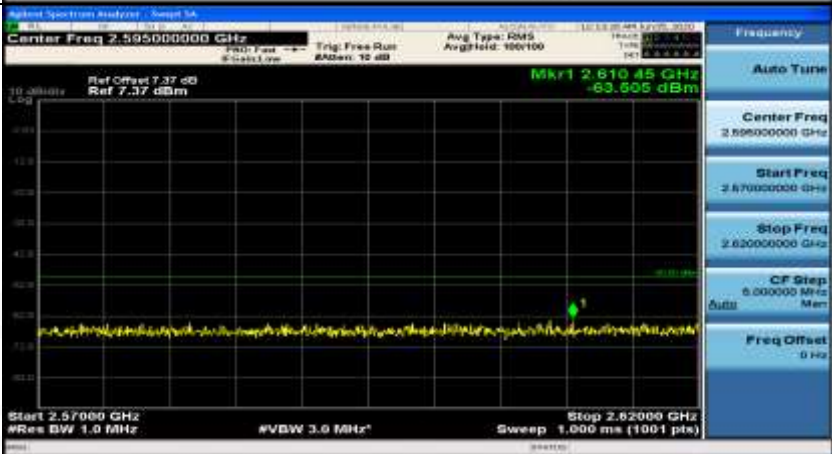


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 447.475000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 885.0 MHz -82.421 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 865.0 MHz Sweep 103.1 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 952.525000 MHz Ref Offset 7.13 dB Ref 7.13 dBm Mkr1 921.76 MHz -76.884 dBm Start 905.05 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.00000 GHz Sweep 11.73 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.19 dB Ref 7.19 dBm Mkr1 3.152 GHz -69.178 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p>

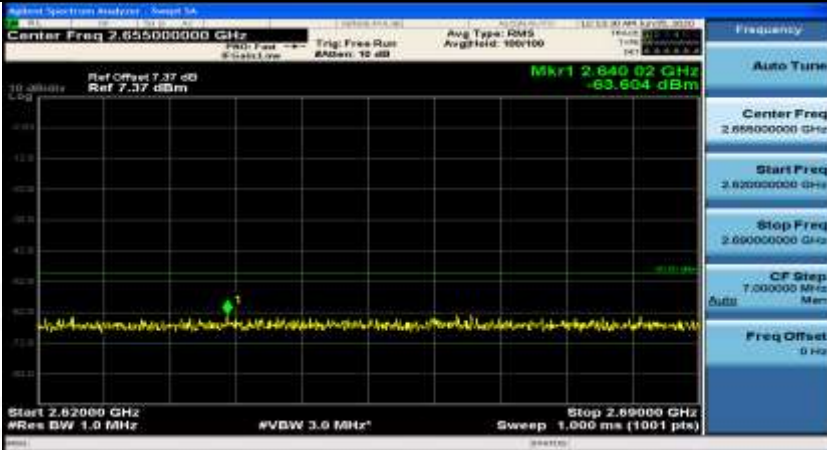
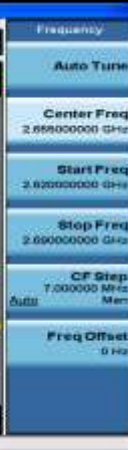
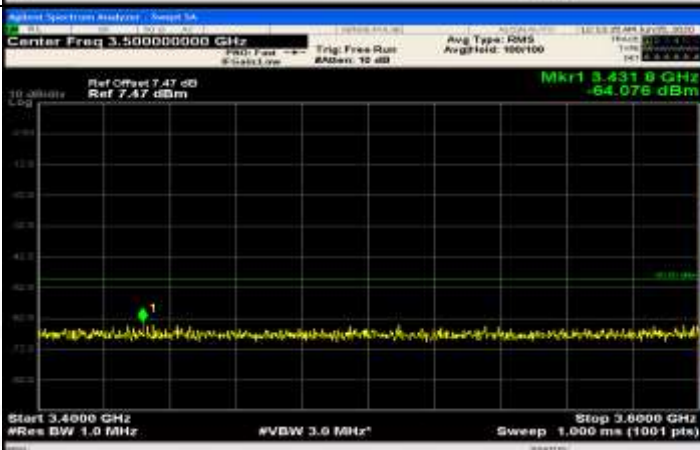
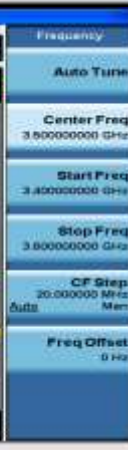
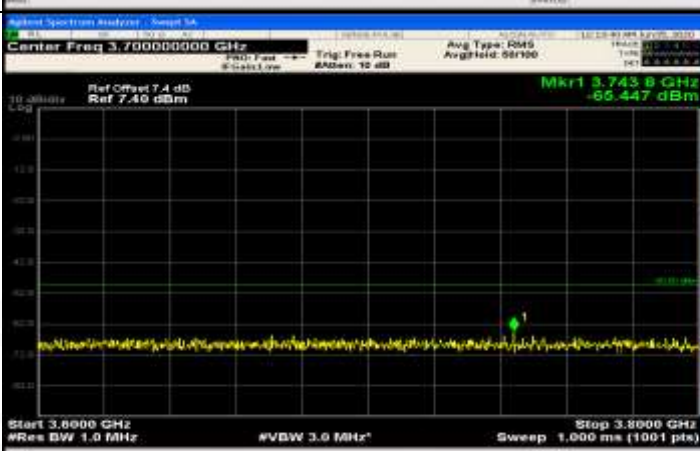



General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=Highest (10 MHz)\_QPSK\_MCH\_1RB#0

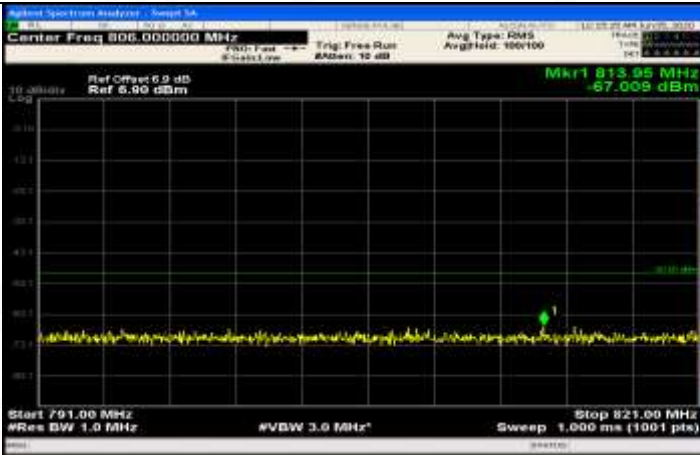
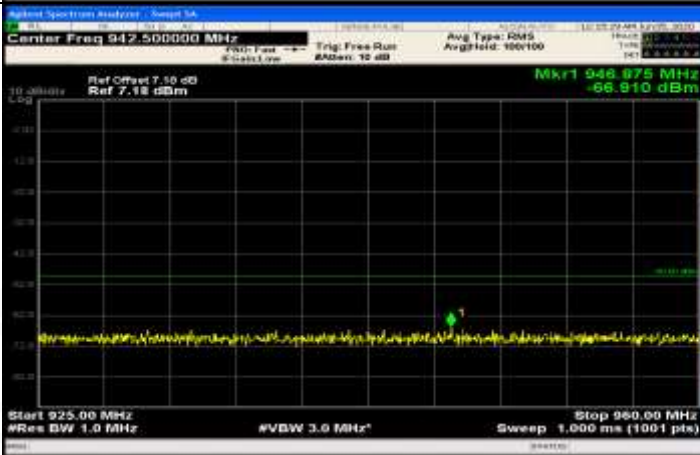
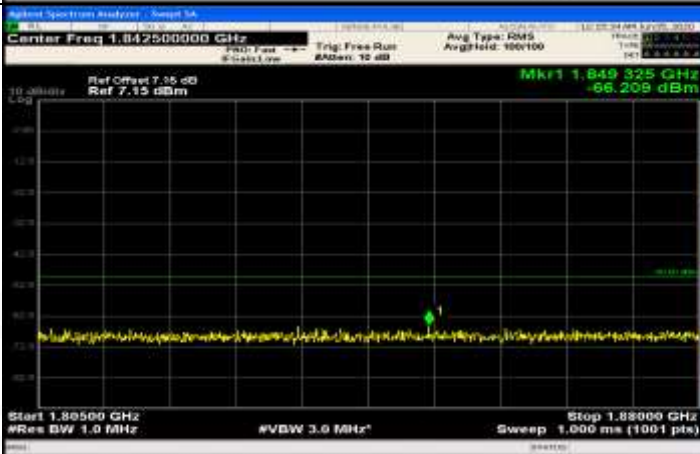


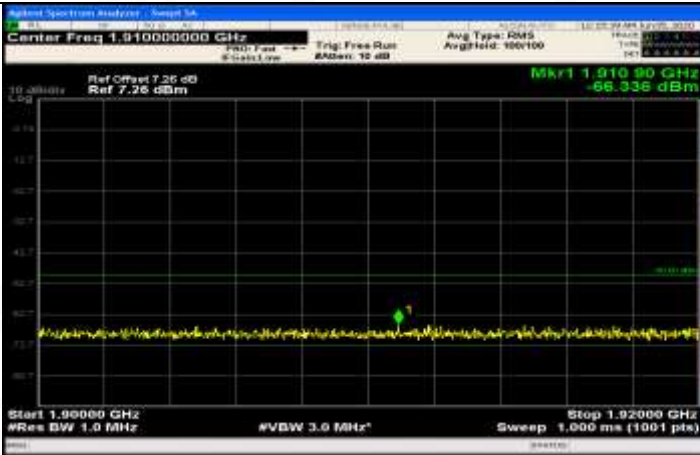
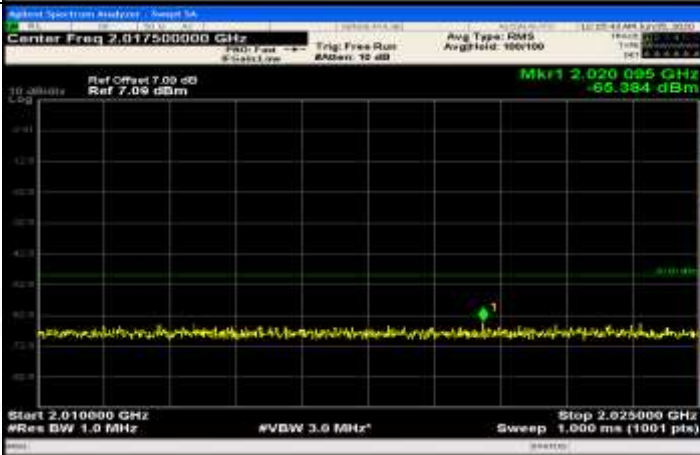
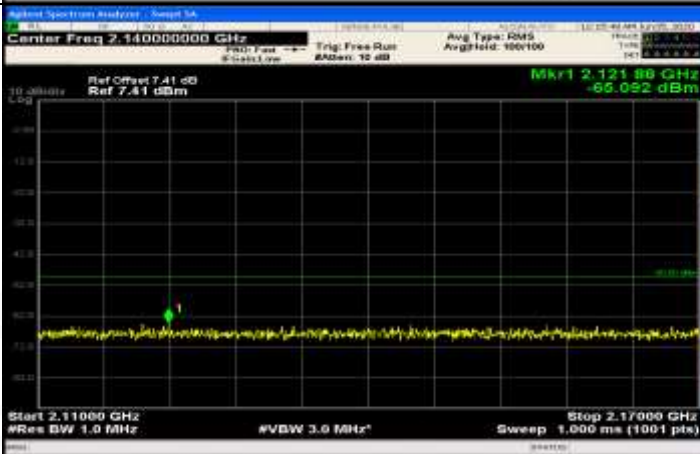


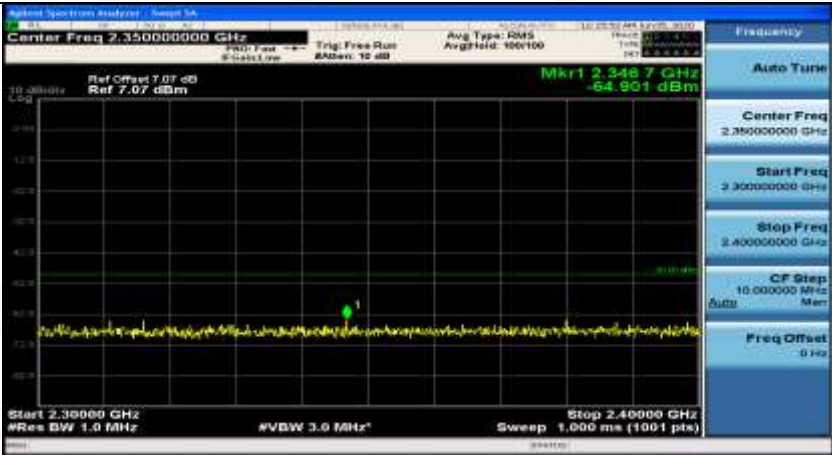
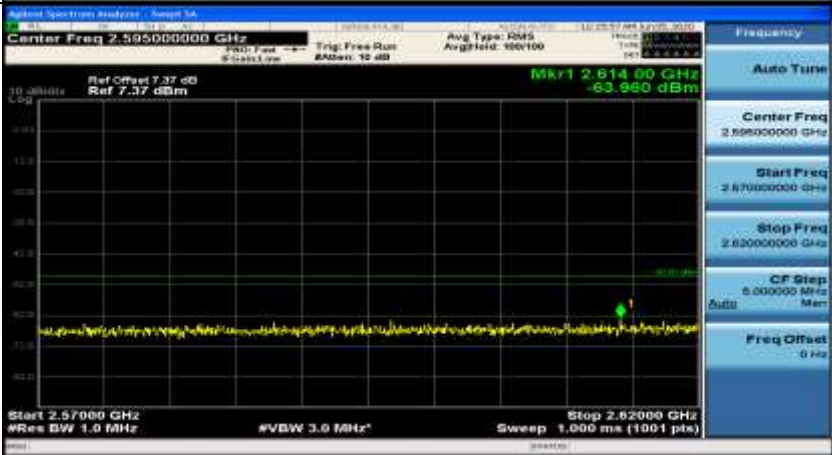
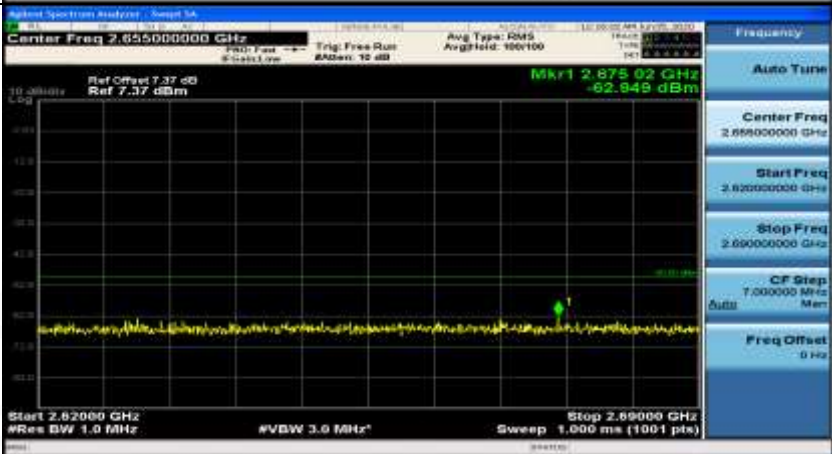
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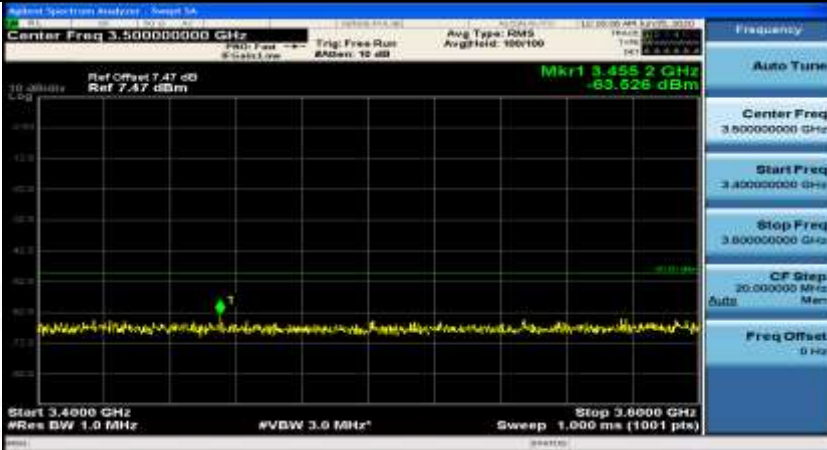
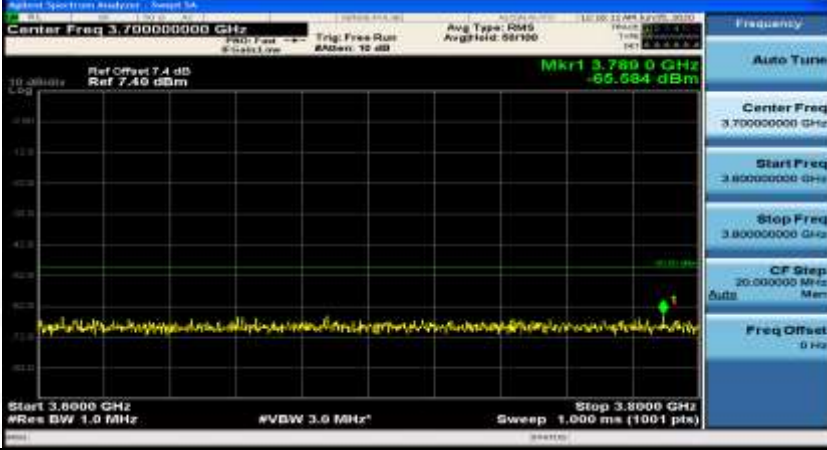



Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

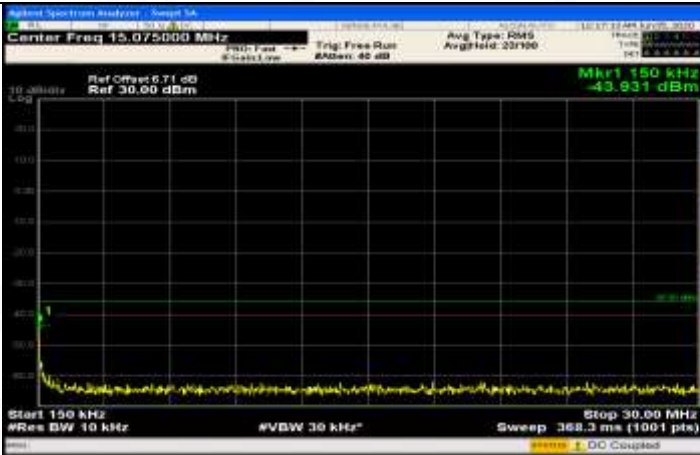
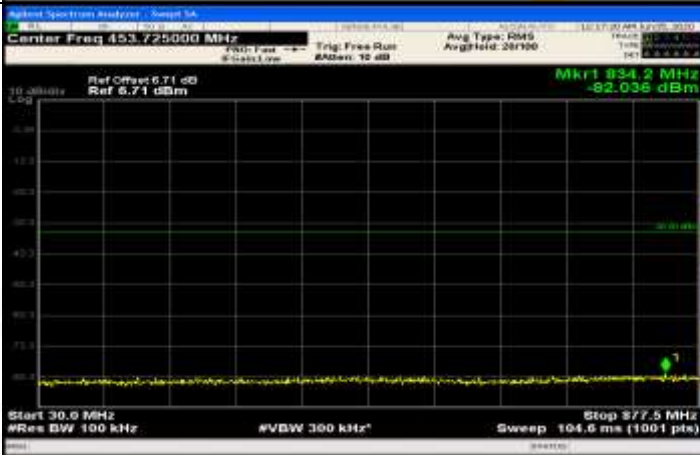
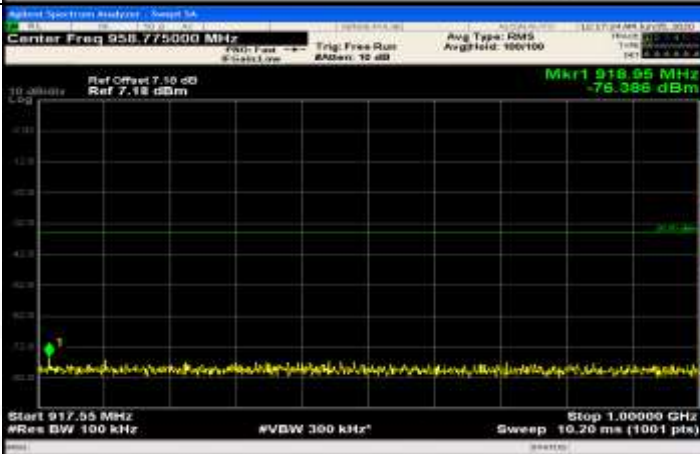
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Co-existence	





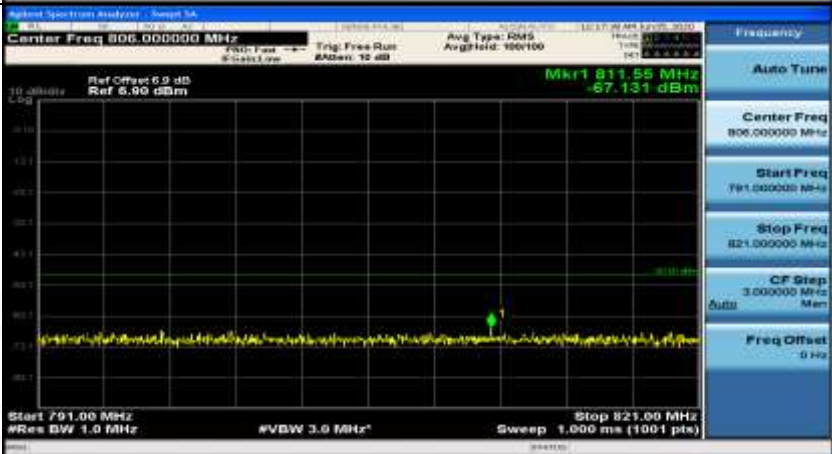
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_1RB#max	
General	

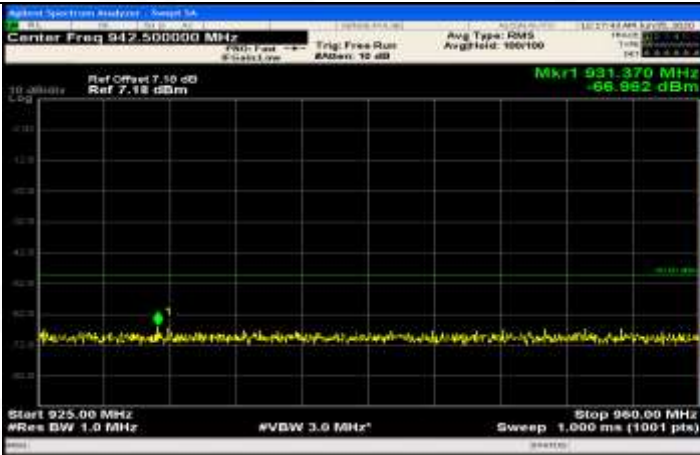
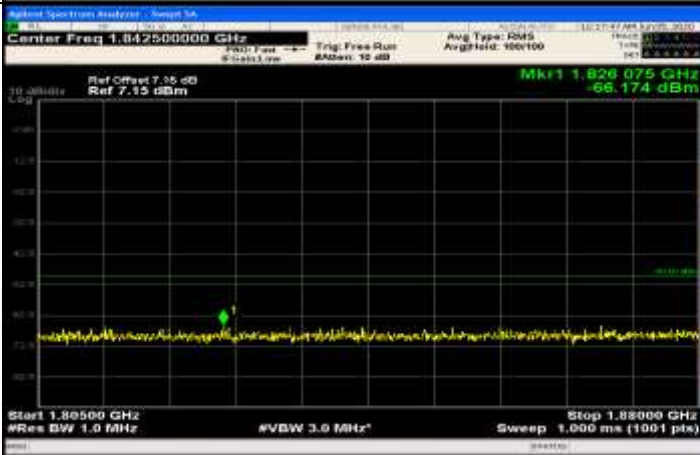
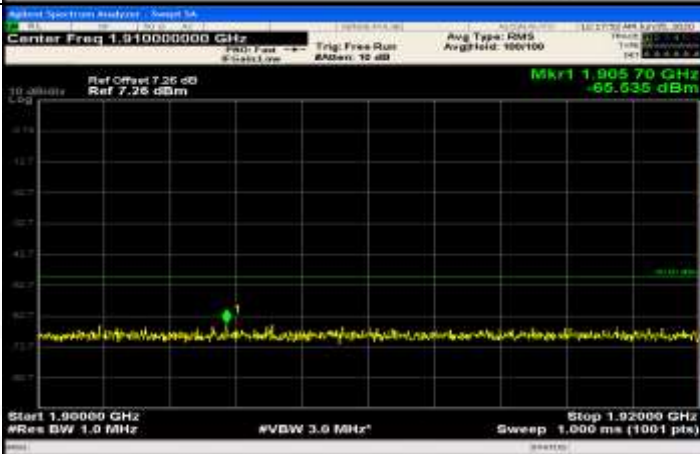


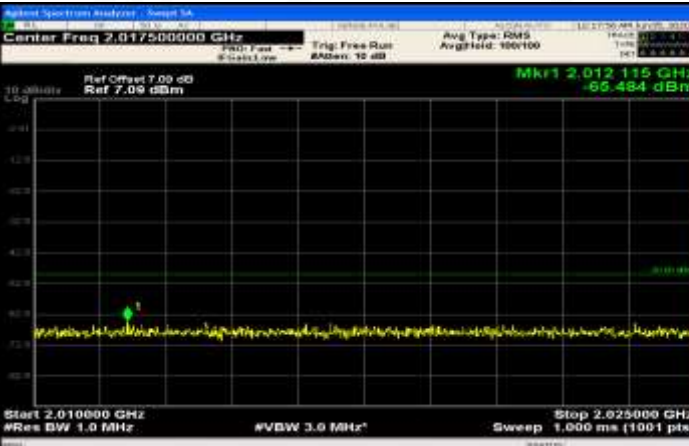
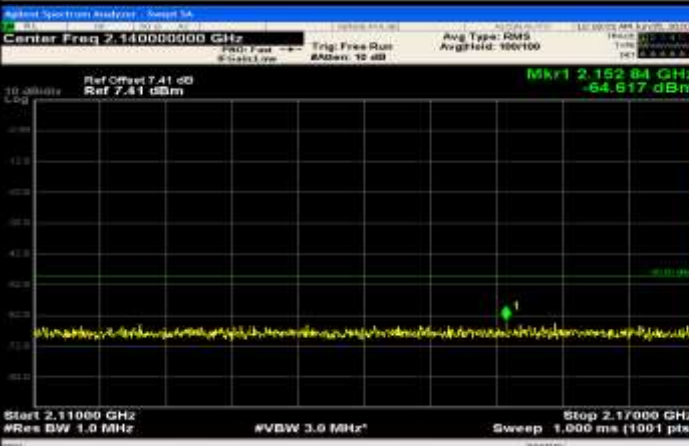

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General	

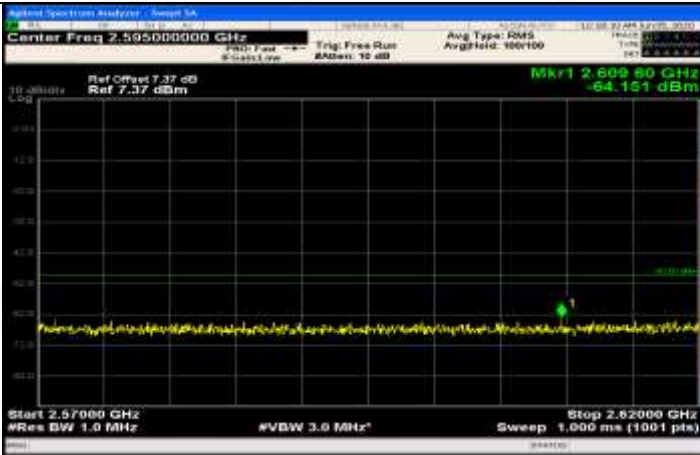
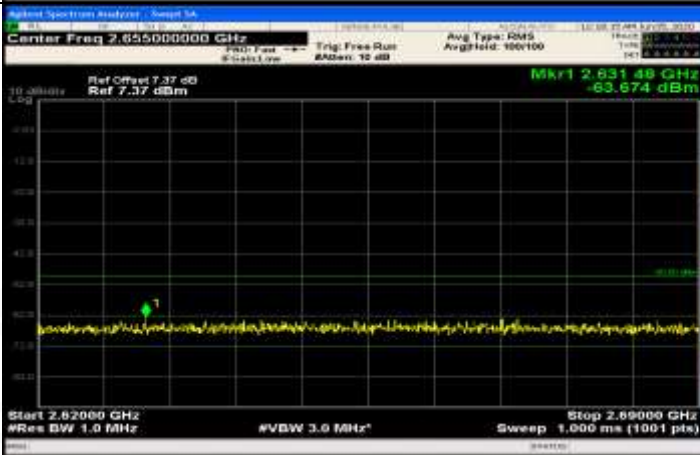
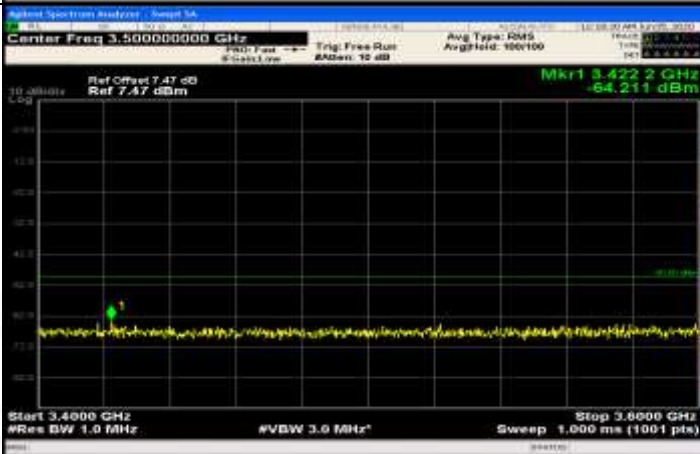


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.00000000 GHz Ref Offset 7.50 dB Ref 7.19 dBm Mkr1 3.158 GHz -69.757 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.667 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.07 dBm Mkr1 12.370 25 GHz -69.148 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 806.000000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 811.55 MHz -67.131 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>

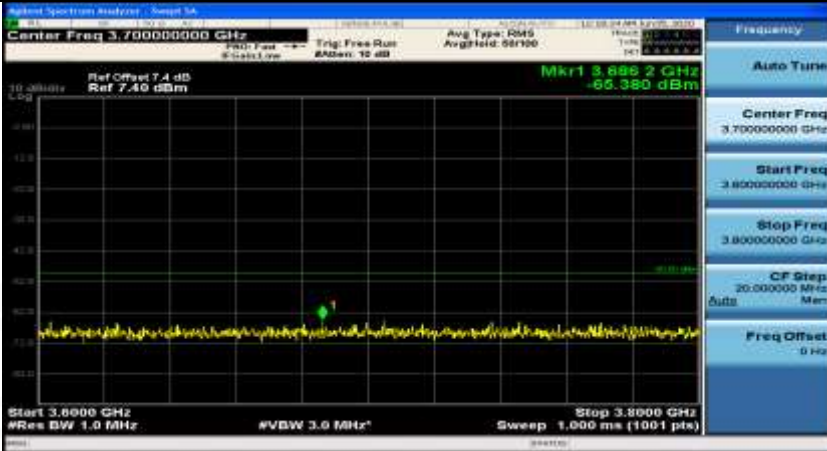


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	




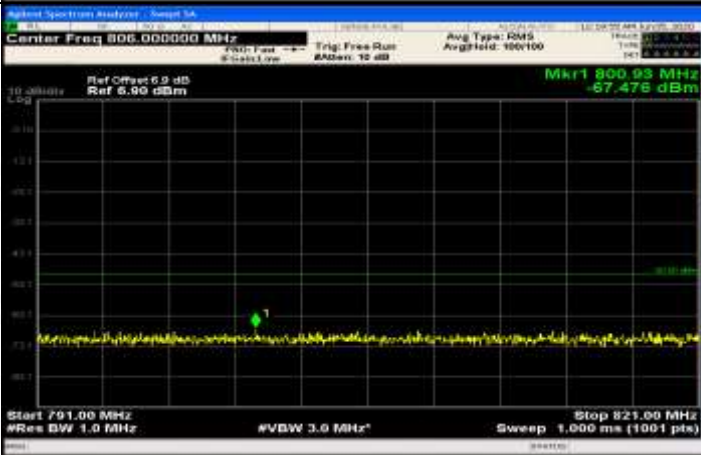
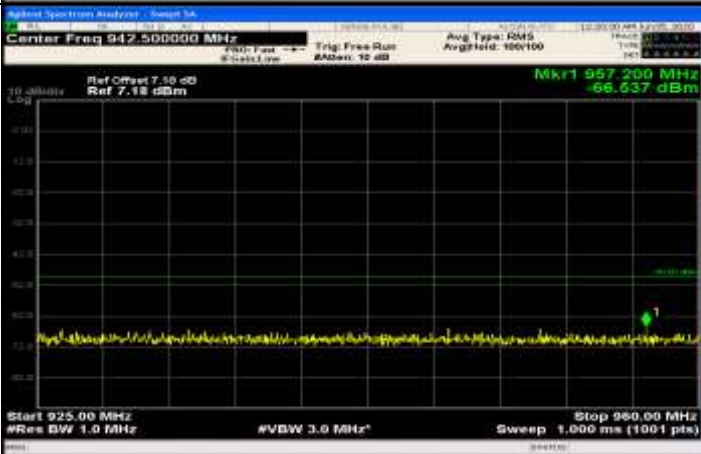
Co-existence	
Additional	NA

Channel Bandwidth=Highest (10 MHz)\_QPSK\_MCH\_FullRB#0

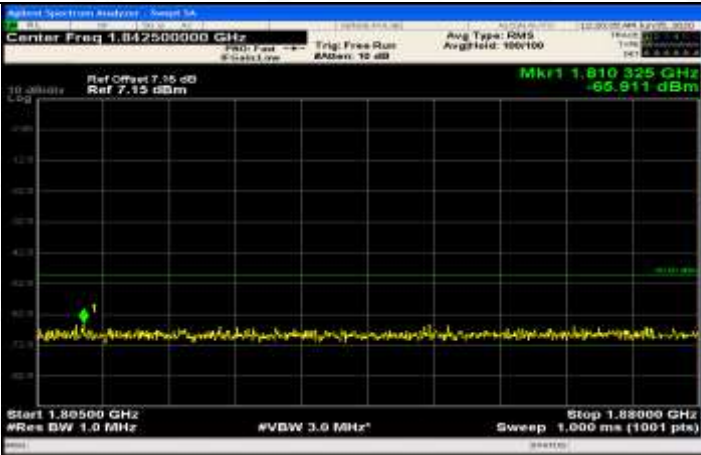
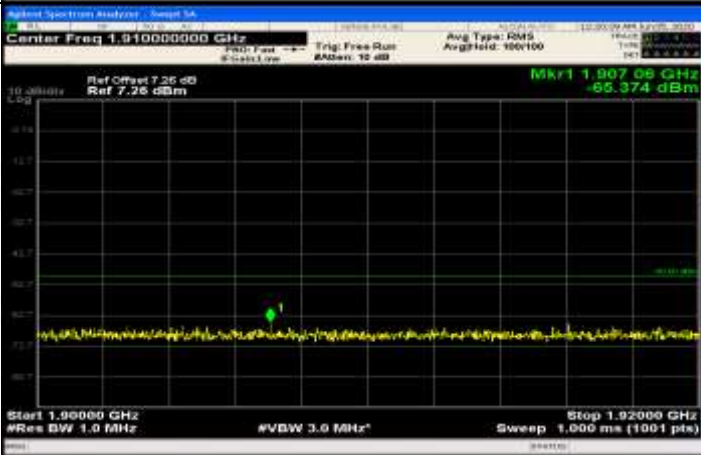
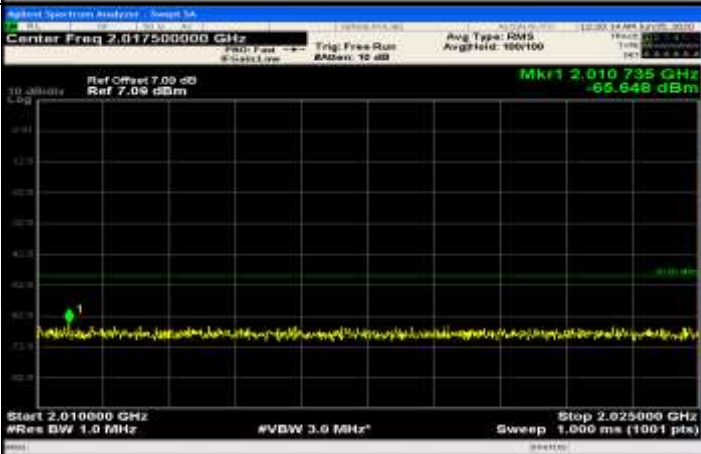
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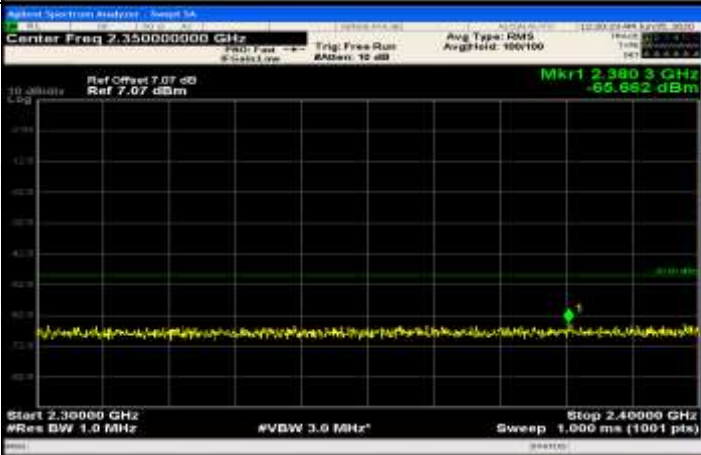
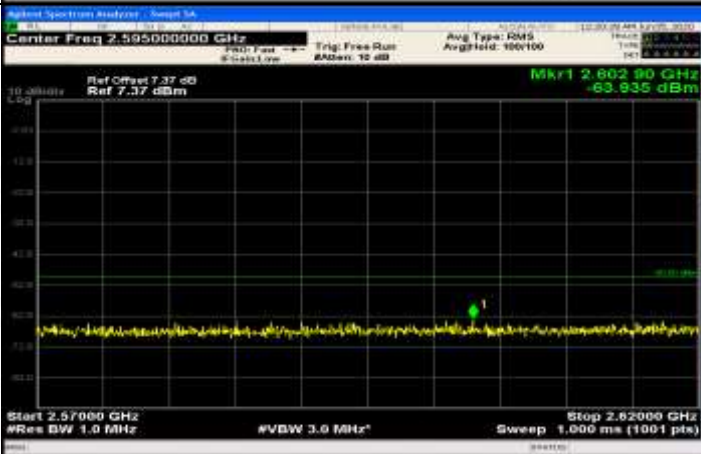
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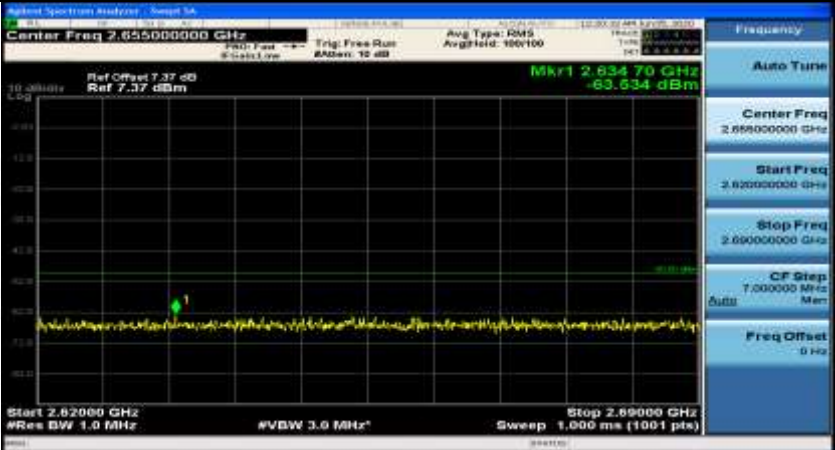
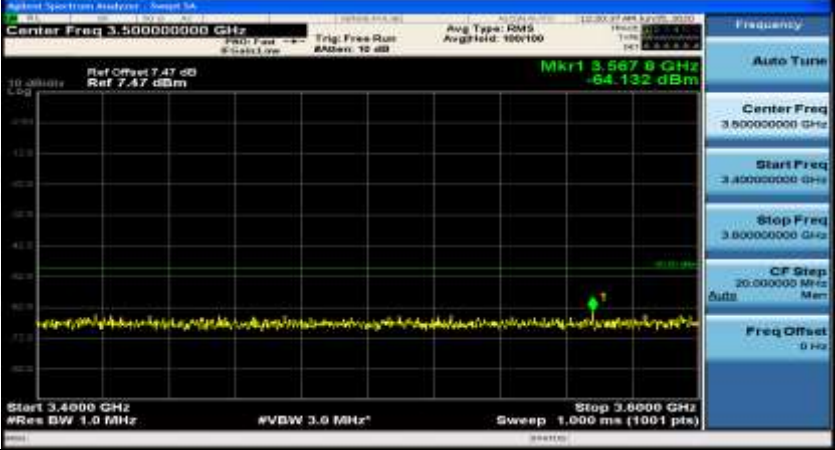
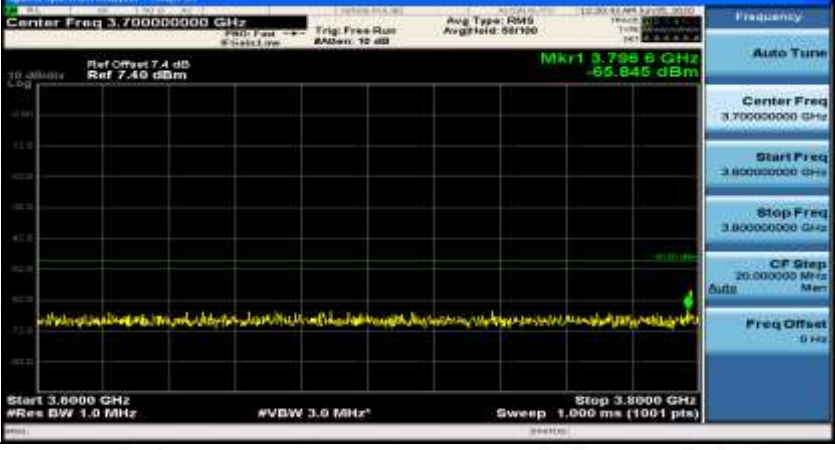


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 6.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 761.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 926.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80000000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>



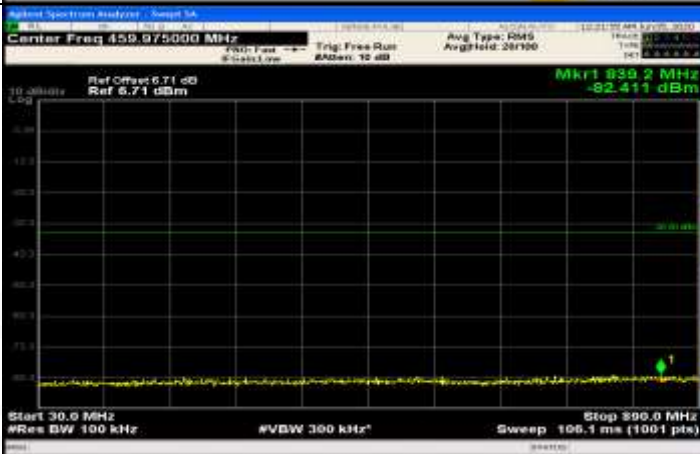
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59000000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 0.000000 MHz</p> <p>Freq Offset 0 Hz</p>

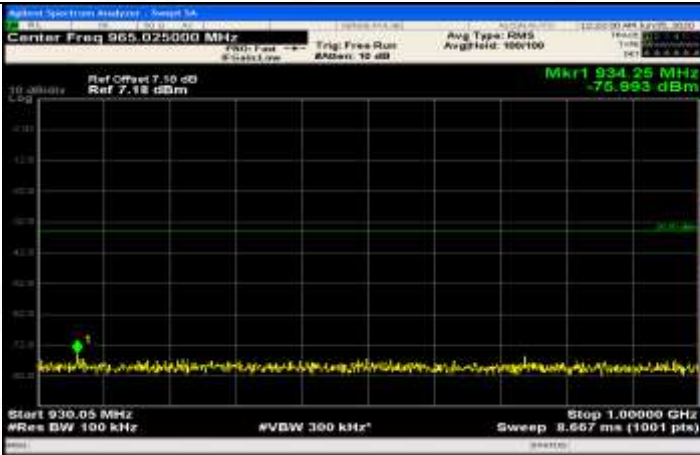


Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (10 MHz)\_QPSK\_HCH\_1RB#0

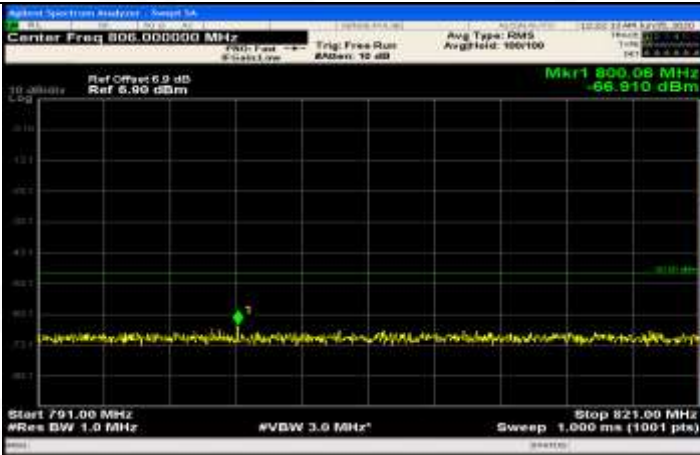
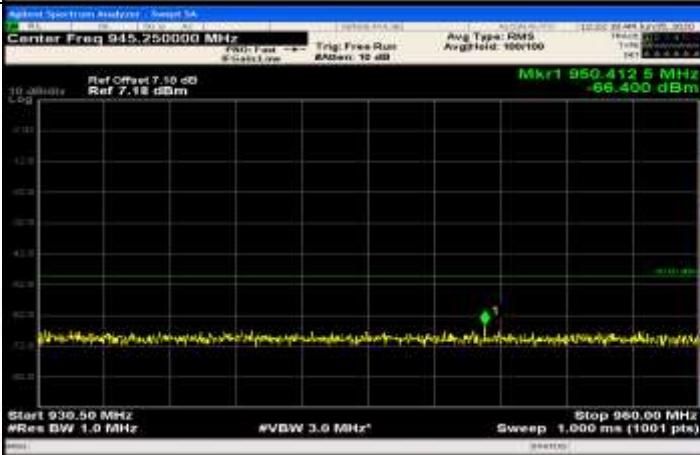
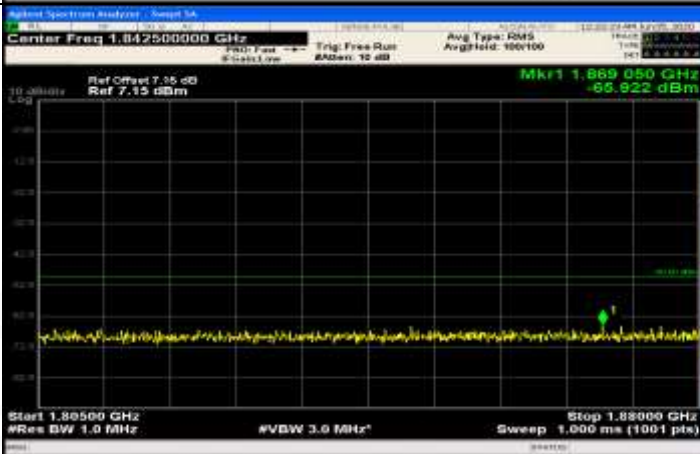




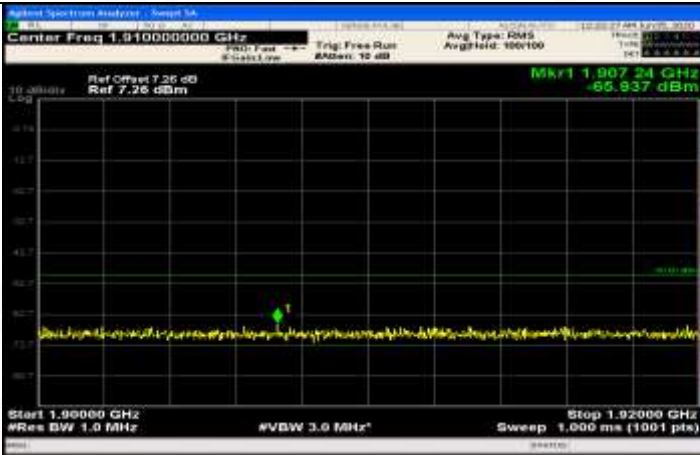
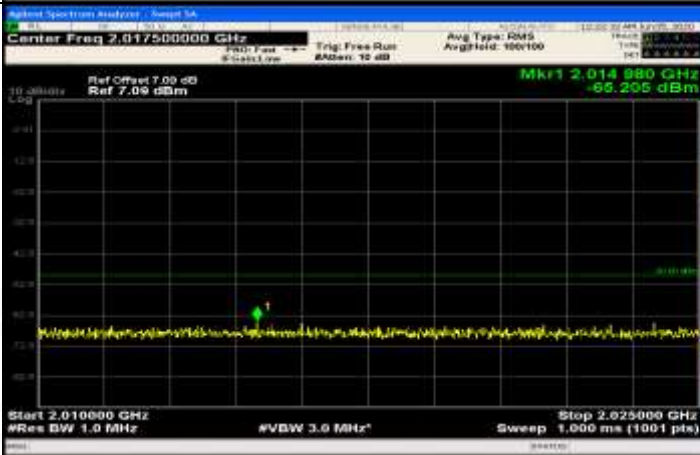
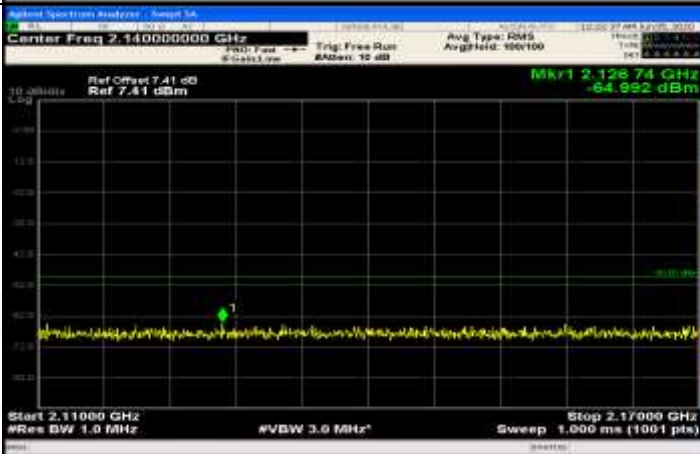
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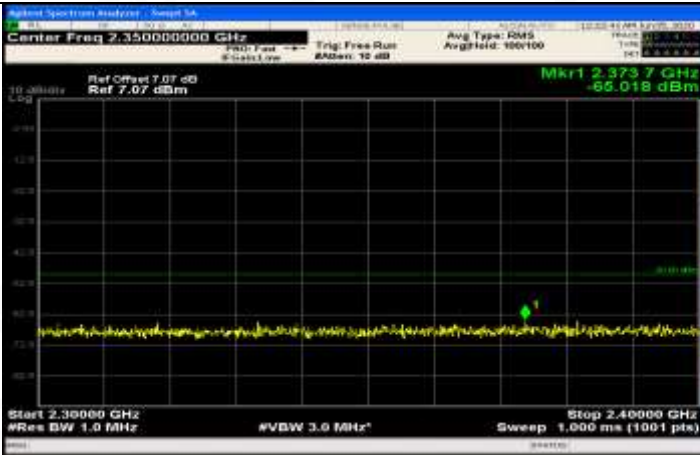
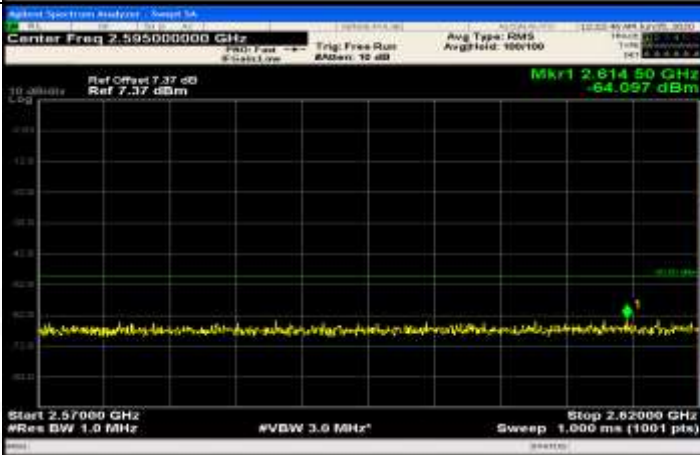
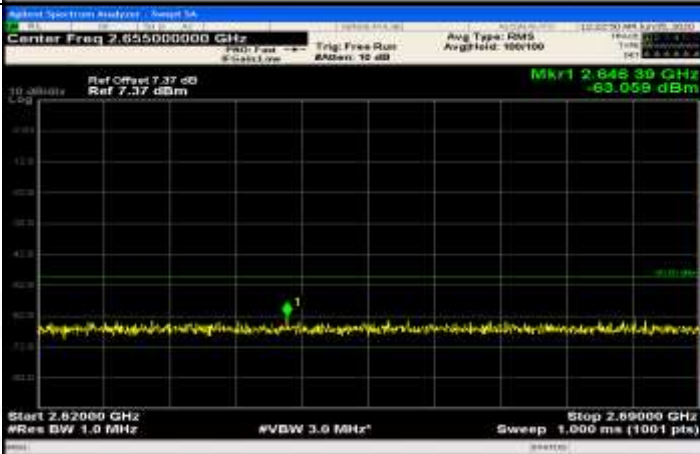
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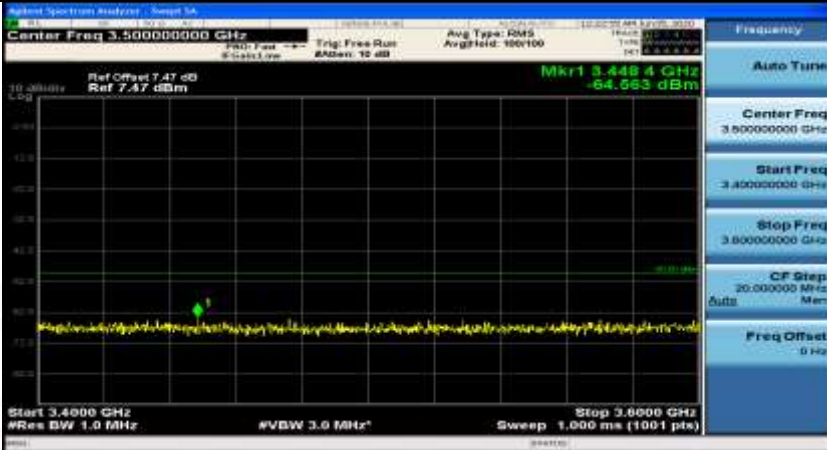
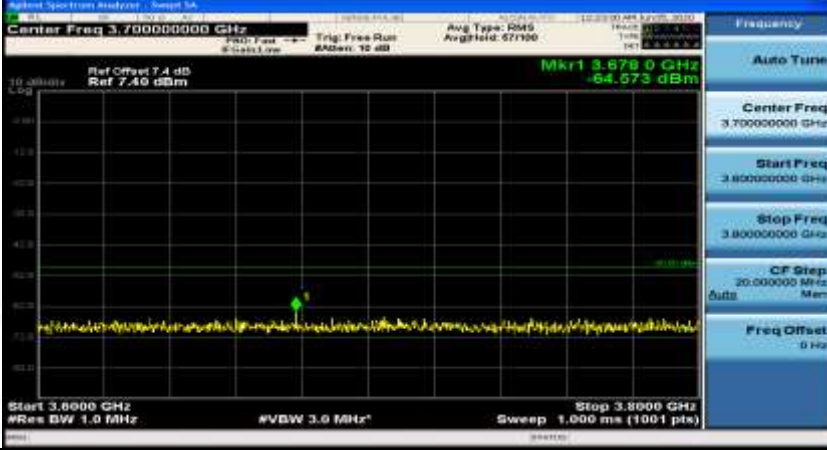



Co-existence	
Co-existence	
Co-existence	



Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.91000000 GHz Ref Offset 7.26 dB Ref 7.26 dBm Mkr1 1.907 24 GHz -65.937 dBm Start 1.90000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.92000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.01750000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.014 980 GHz -65.205 dBm Start 2.01000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.02500 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.14000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.128 74 GHz -64.992 dBm Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p>

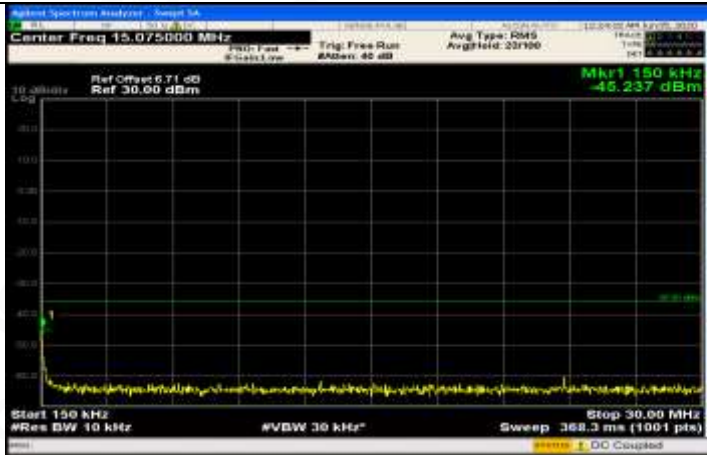
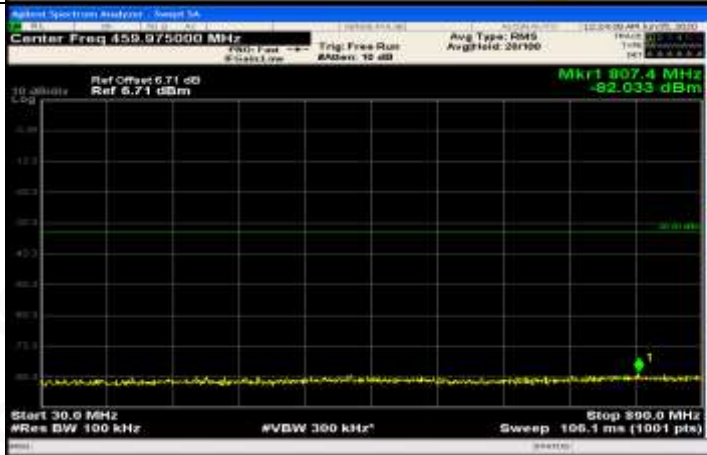
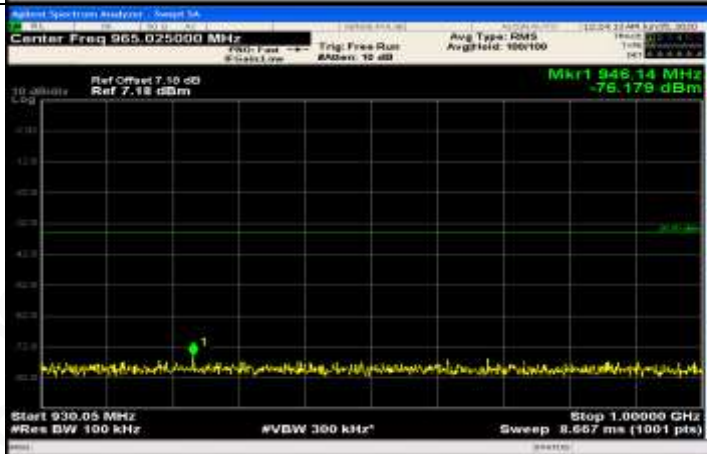
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.35000000 GHz</p> <p>Ref Offset 7.07 dB Ref 7.07 dBm</p> <p>Mkr1 2.3737 GHz -66.018 dBm</p> <p>Start 2.30000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.40000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.35000000 GHz</p> <p>Start Freq 2.30000000 GHz</p> <p>Stop Freq 2.40000000 GHz</p> <p>CF Step 10.00000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.55000000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.61450 GHz -64.057 dBm</p> <p>Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.55000000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.00000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.65000000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.64839 GHz -63.059 dBm</p> <p>Start 2.62000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Stop 2.69000 GHz Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65000000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.00000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Additional	NA

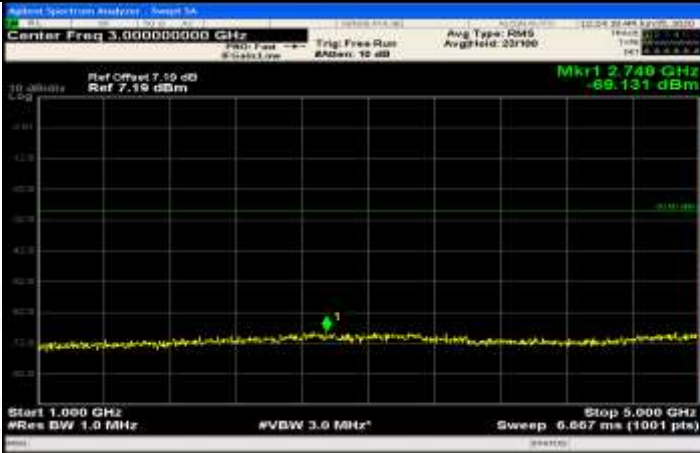


Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_1RB#max	
General	

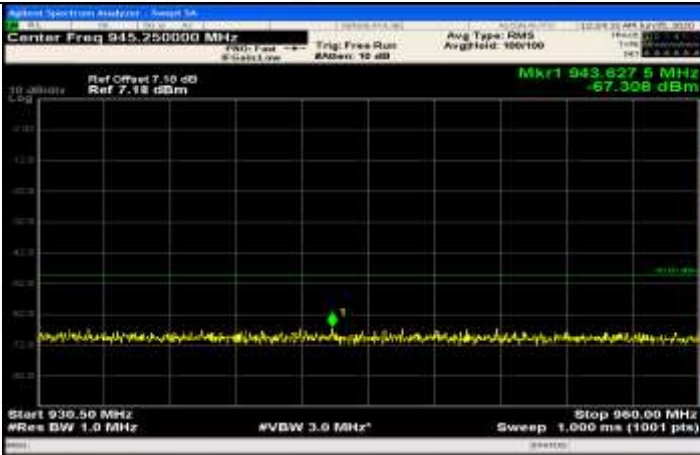
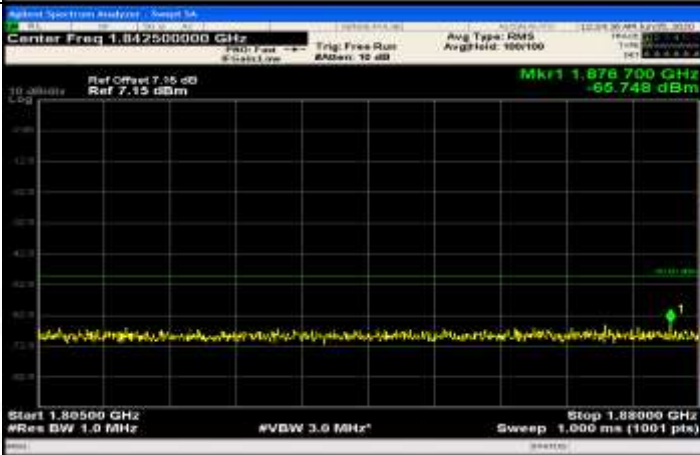
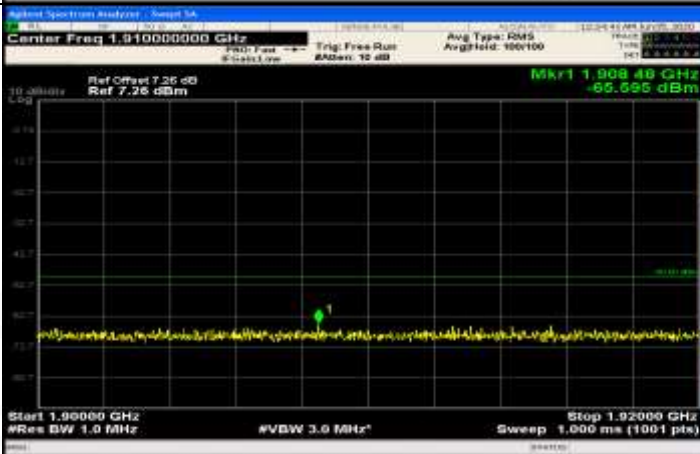




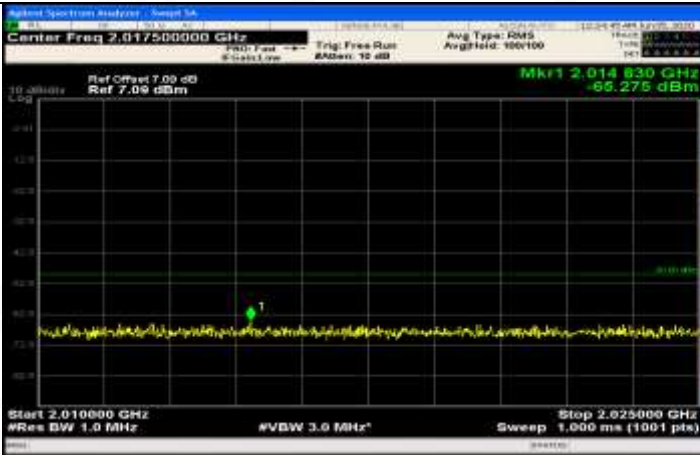
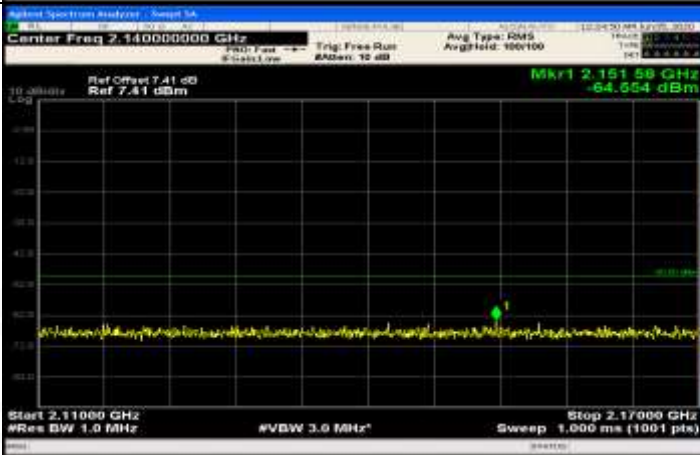
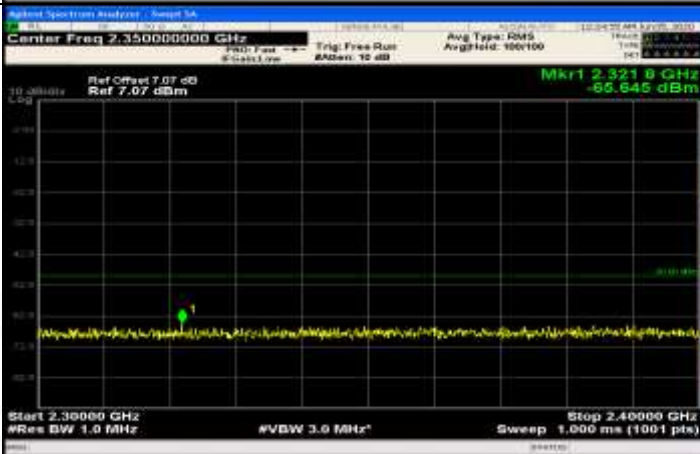
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.980000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 459.975000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 889.950000 MHz</p> <p>CF Step 85.995000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 965.025000 MHz</p> <p>Start Freq 880.060000 MHz</p> <p>Stop Freq 1.0000000 GHz</p> <p>CF Step 6.995000 MHz</p> <p>Freq Offset 0 Hz</p>

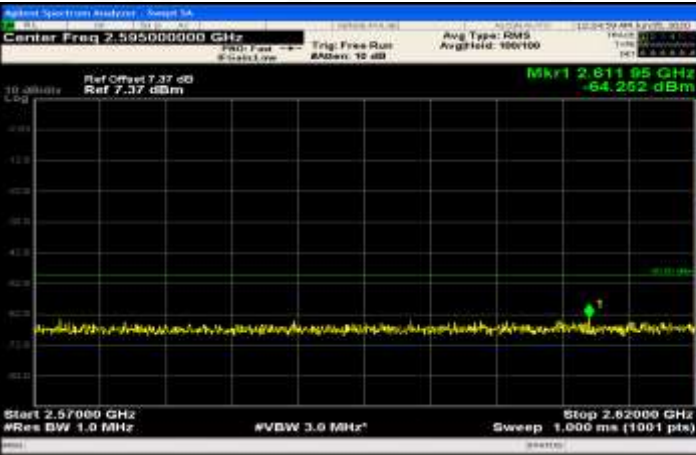
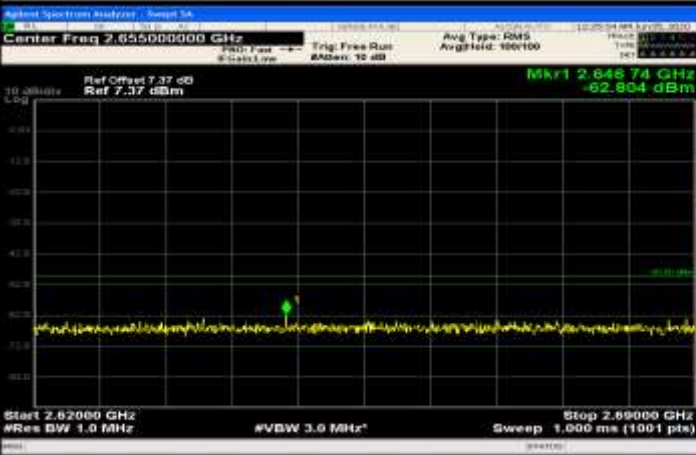
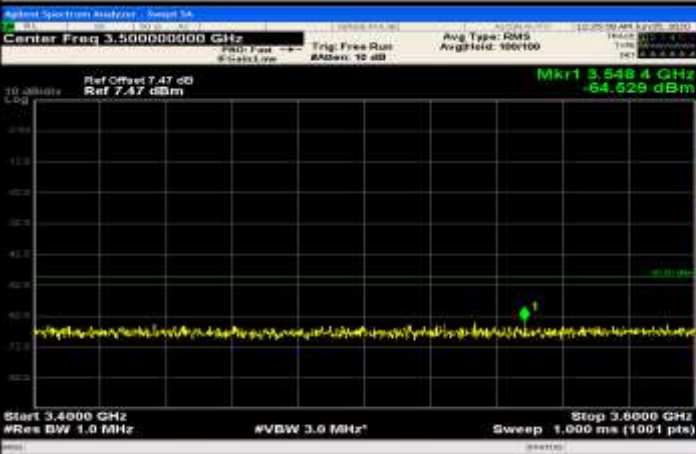


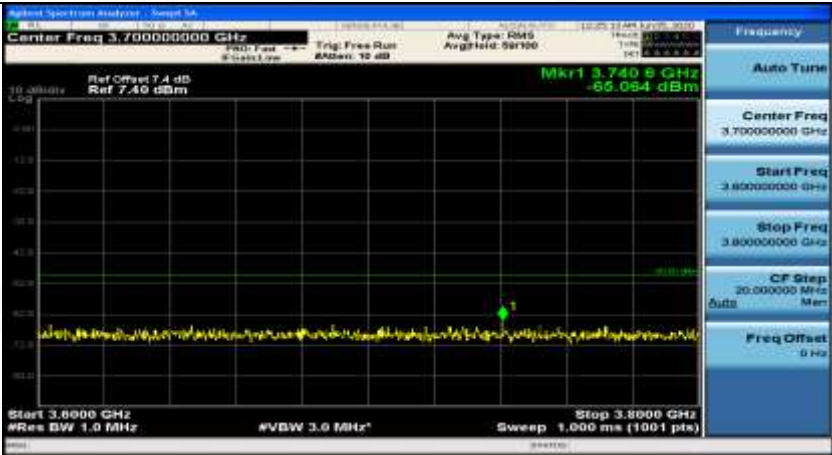
General	
General	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 945.250000 MHz</p> <p>Start Freq 930.500000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 2.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.350000000 GHz</p> <p>Start Freq 2.300000000 GHz</p> <p>Stop Freq 2.400000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.45000000 GHz</p> <p>Stop Freq 3.55000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

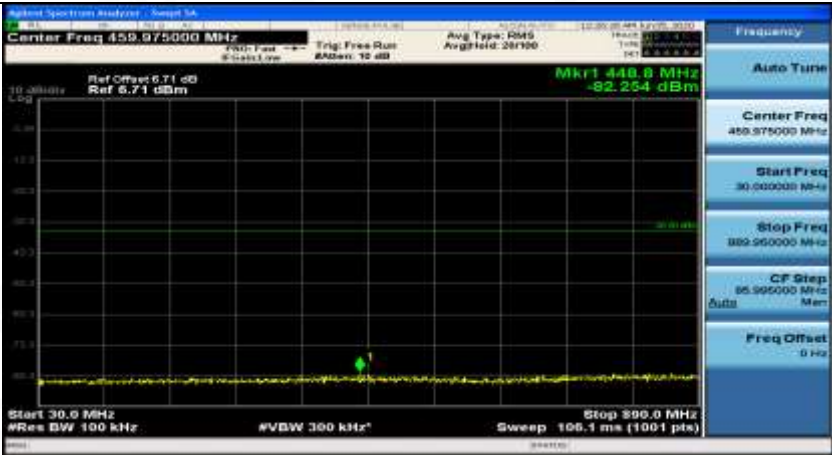
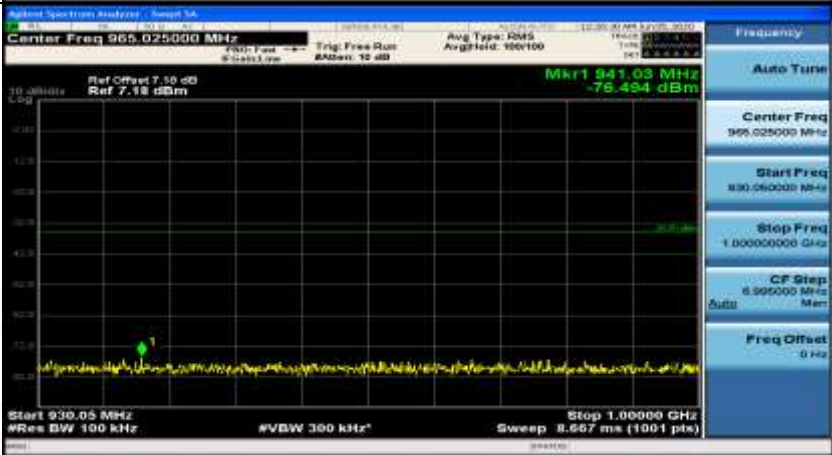

Co-existence	
Additional	NA

Channel Bandwidth=Highest (10 MHz)\_QPSK\_HCH\_FullIRB#0


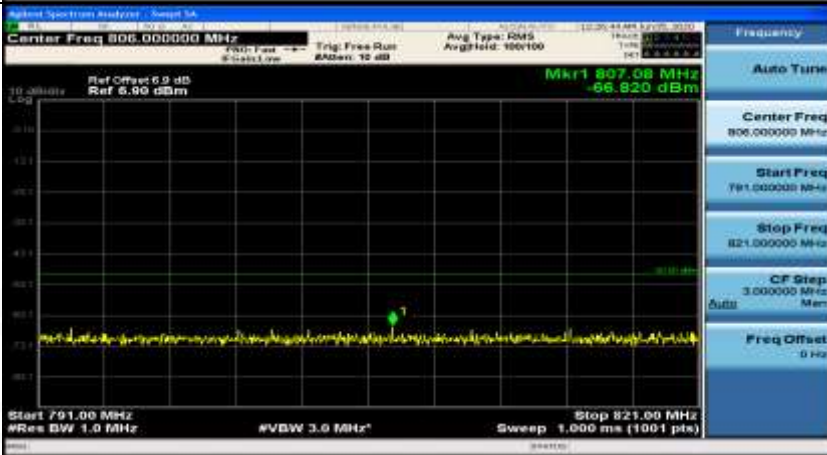
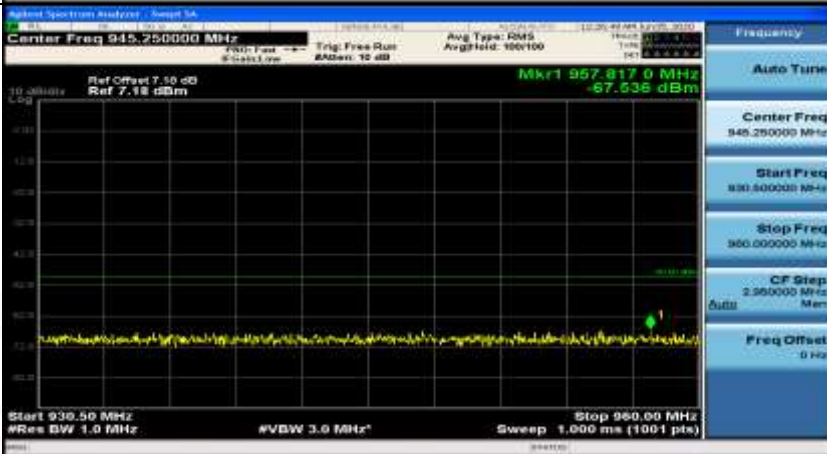
General	
General	

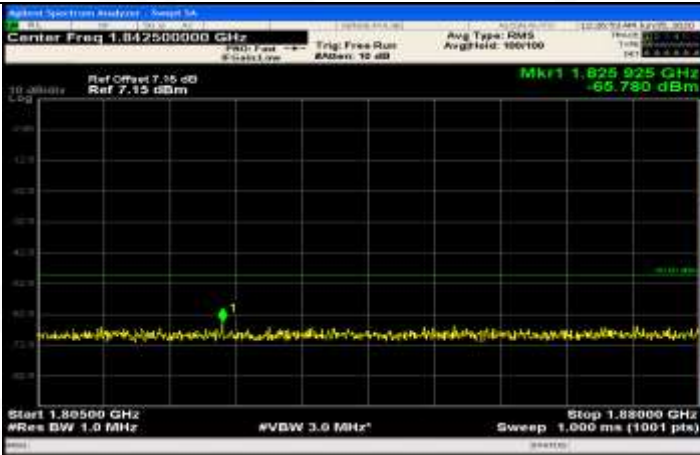
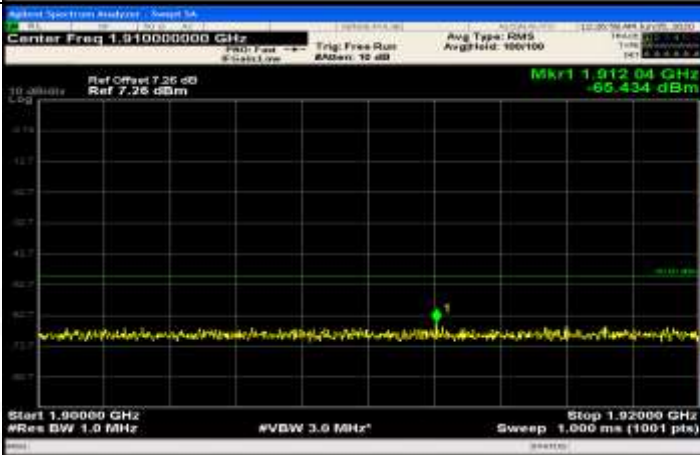
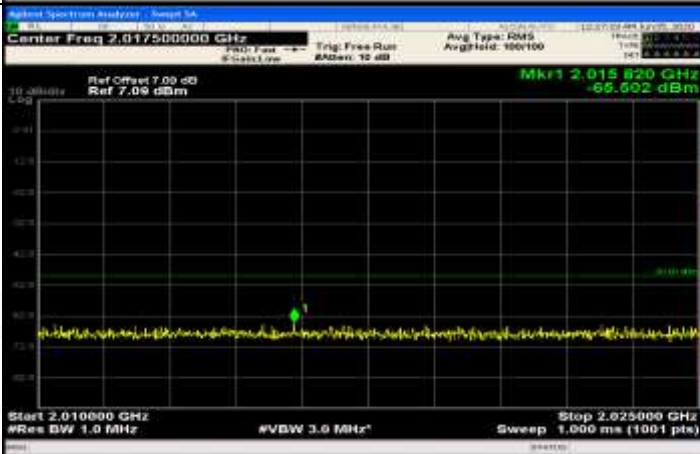




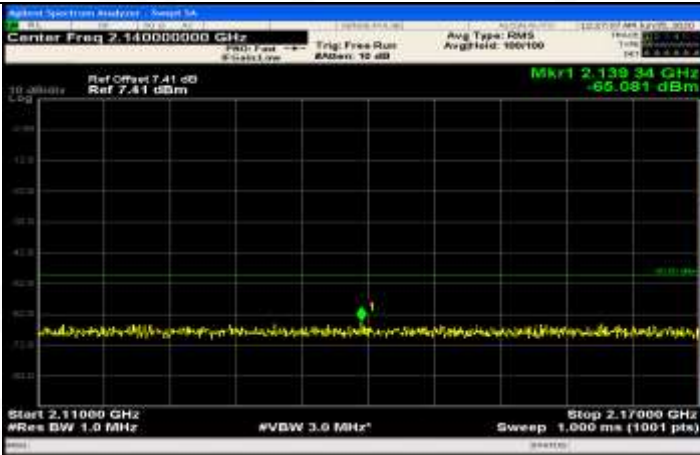
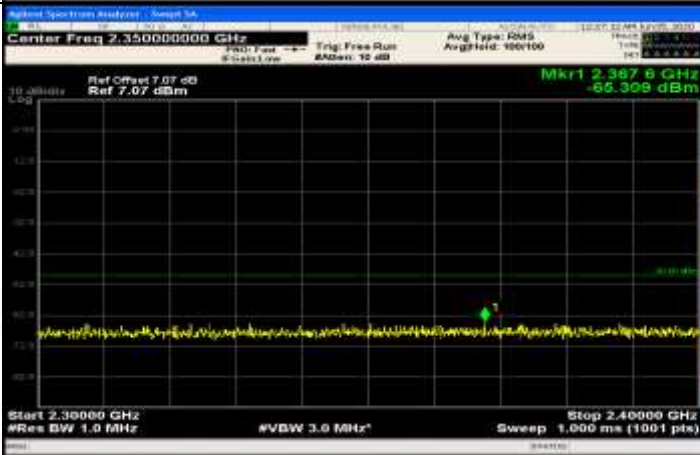
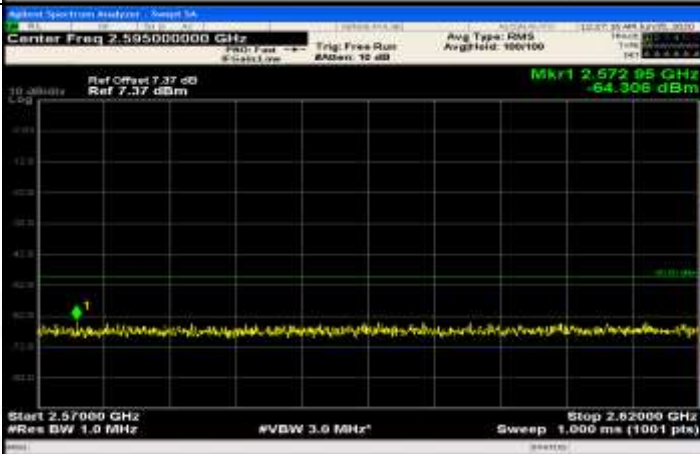
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General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 965.025000 MHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 941.03 MHz -76.484 dBm Start 930.05 MHz #Res BW 100 kHz #VBW 100 kHz Stop 1.000000 GHz Sweep 8.667 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 3.284 GHz -69.156 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p>

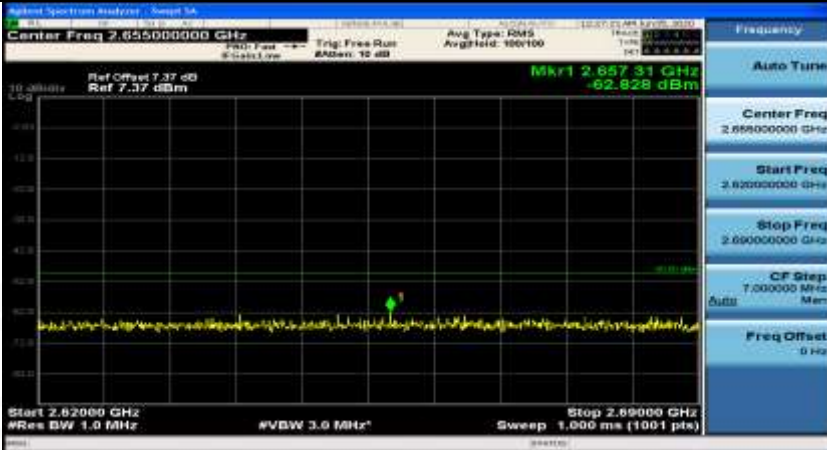
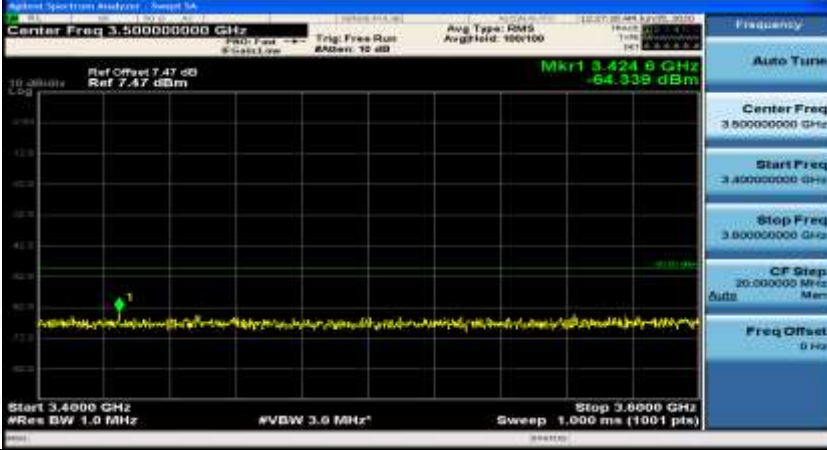
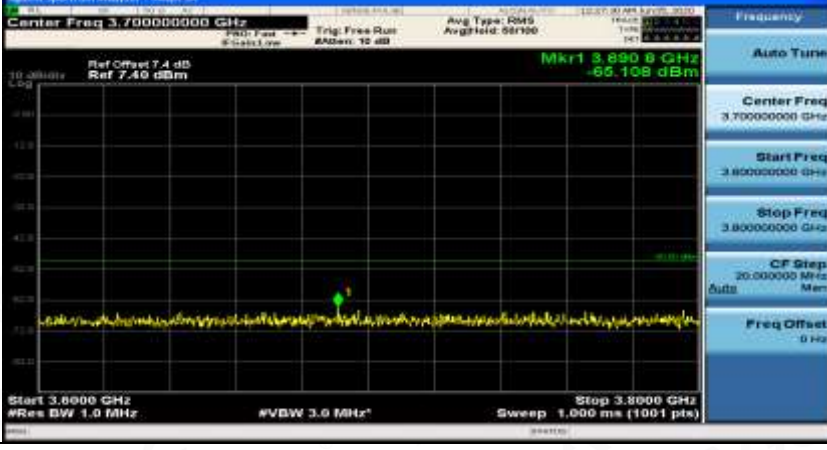


General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA

## 6. Receiver Spurious Emissions

### Test Result

NTNV



Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	10 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest

Channel Bandwidth=Highest (10 MHz)_QPSK_LCH_0RB#0	
LCH	
LCH	







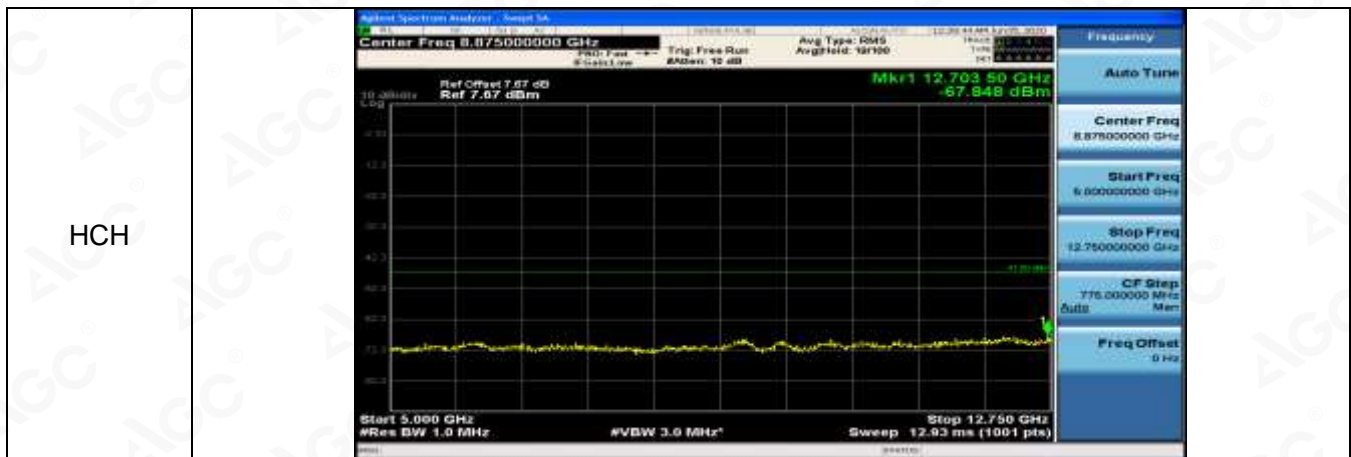
Channel Bandwidth=Highest (10 MHz)\_QPSK\_MCH\_0RB#0





Channel Bandwidth=Highest (10 MHz)\_QPSK\_HCH\_ORB#0







## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	PASS				

#### In-Band Blocking

	Downlink Configuration		Uplink Configuration		CASE2
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict			PASS		

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %



<b>Verdict</b>	<b>PASS</b>
----------------	-------------

## Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	NA-L-RB	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	NA-H-RB	≥ 95 %
Verdict	PASS				





## 9. Receiver Spurious Response

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				

## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band						
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 10MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
1.4MHz	QPSK	Full	QPSK	6	PASS	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	PASS	≥ 95 %
10MHz	QPSK	Full	QPSK	50	PASS	≥ 95 %
Verdict	PASS					



# 11. Receiver Reference Sensitivity Level

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 TNVH ) of fellow:

## Test Results

TNVH

	Test Band			Band 8			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,Highest 10MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVH	1.4MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	5MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	50	Pass	≥ 95 %





## 12. Radiated spurious emissions - MS in idle mode

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 TNVN ) of fellow

### Test Result

TNVN

Channel Bandwidth=Highest= (10 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-67.25	-67.34	-67.29
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-65.12	-65.20	-65.19
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-55.33	-55.28	-55.39



## Appendix E for Band 20

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVN) of fellow:

#### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	23.58	Pass
					max	22.75	Pass
				Partial	0	23.17	Pass
					max	22.48	Pass
			Mid range	1	0	23.77	Pass
					max	23.38	Pass
				Partial	0	23.66	Pass
					max	23.18	Pass
			High range	1	0	23.62	Pass
					max	23.26	Pass
				Partial	0	23.20	Pass
					max	22.99	Pass
					max	Void	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.86	Pass
					max	22.19	Pass
				Partial	0	23.33	Pass
					max	22.21	Pass
			Mid range	1	0	23.57	Pass
					max	22.66	Pass
				Partial	0	23.44	Pass
					max	22.55	Pass
			High range	1	0	22.43	Pass
					max	21.18	Pass
				Partial	0	22.35	Pass
					max	21.35	Pass



## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 NTNV) of fellow:

### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-48.28	Pass
			Mid range	Full	0	-50.75	Pass
			High range	Full	0	-51.43	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-51.64	Pass
			Mid range	Full	0	-51.36	Pass
			High range	Full	0	-52.46	Pass





### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass



				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
					Full	0	PUMAX

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

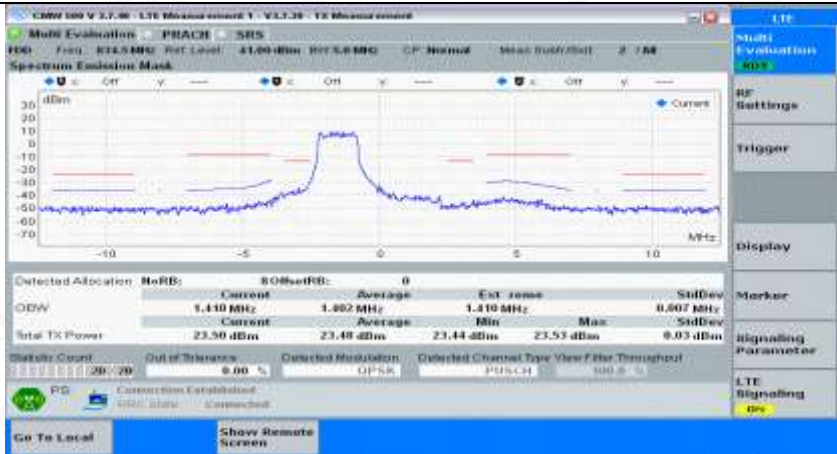
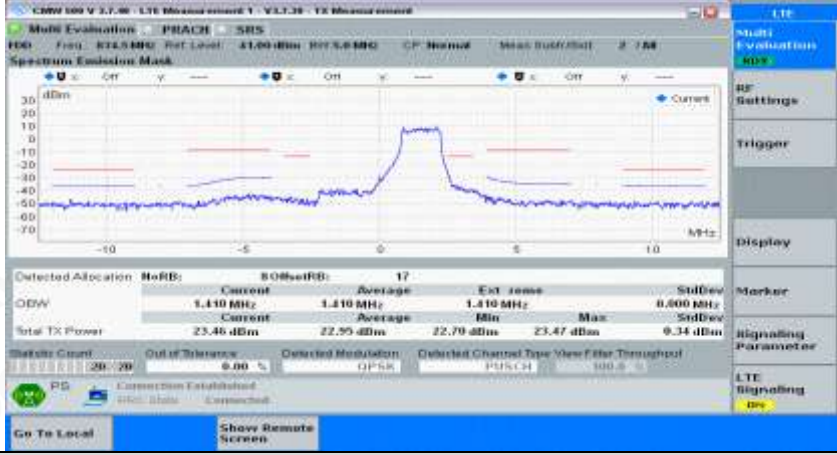

### Test Graphs

NTNV


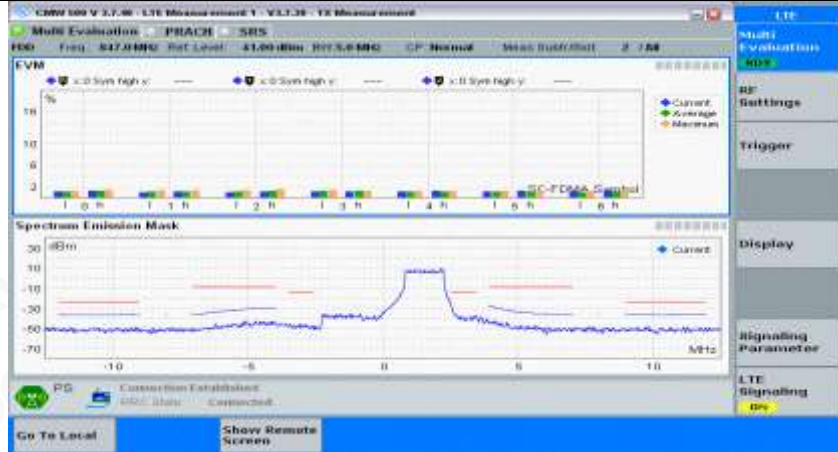
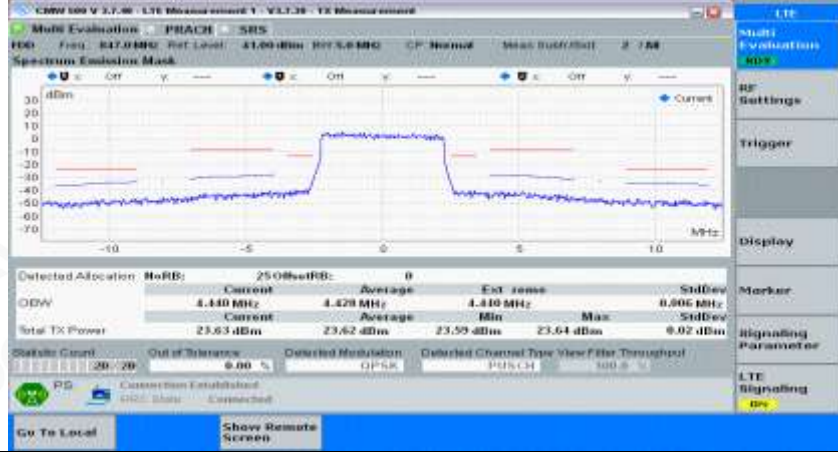
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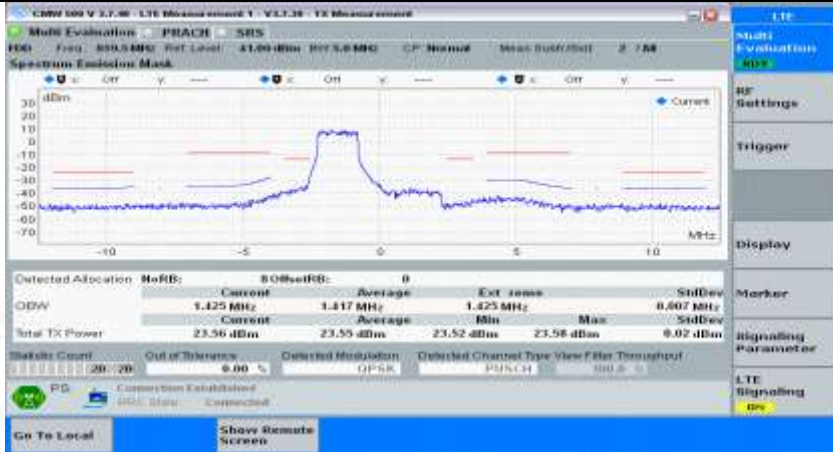
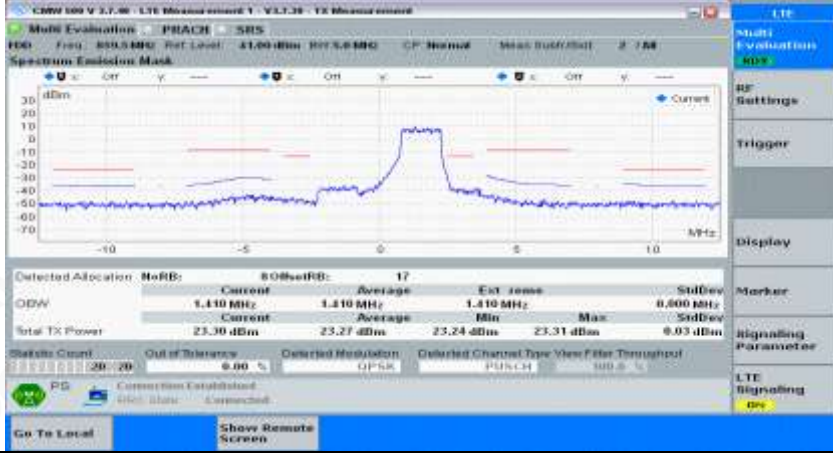
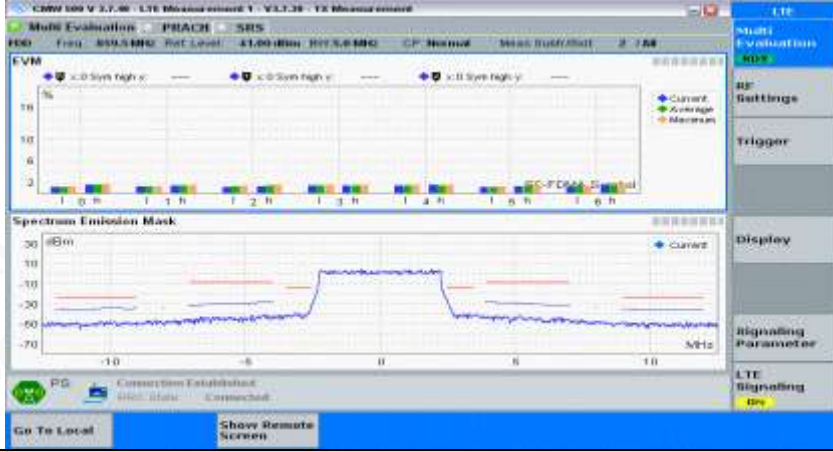
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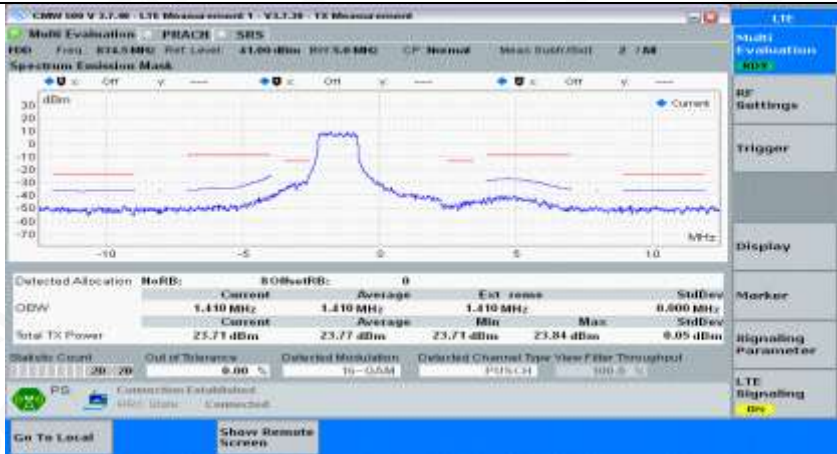
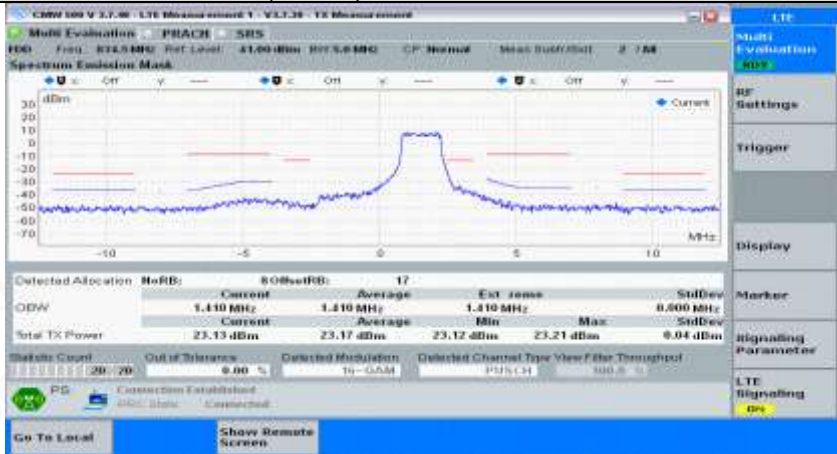
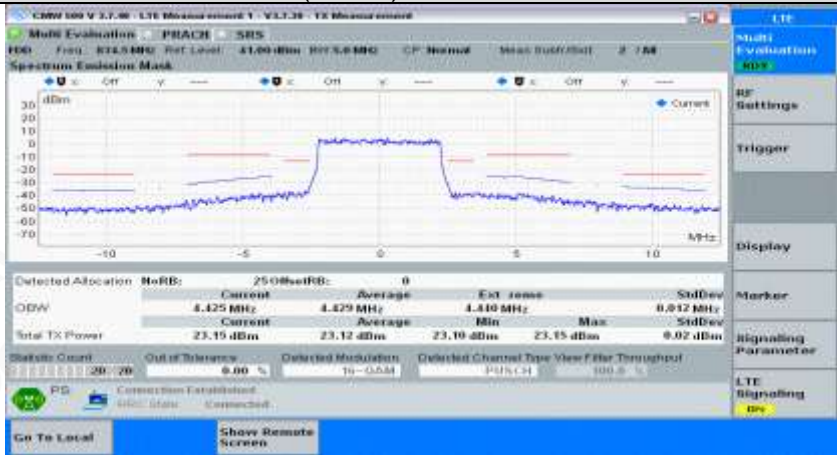
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Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	



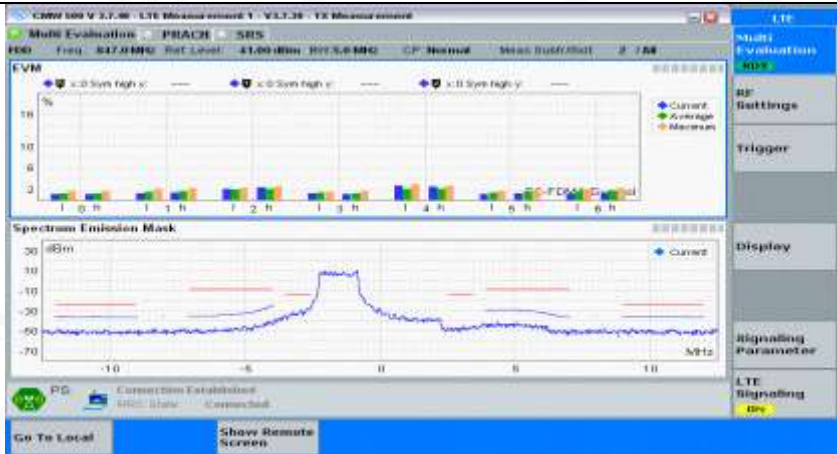
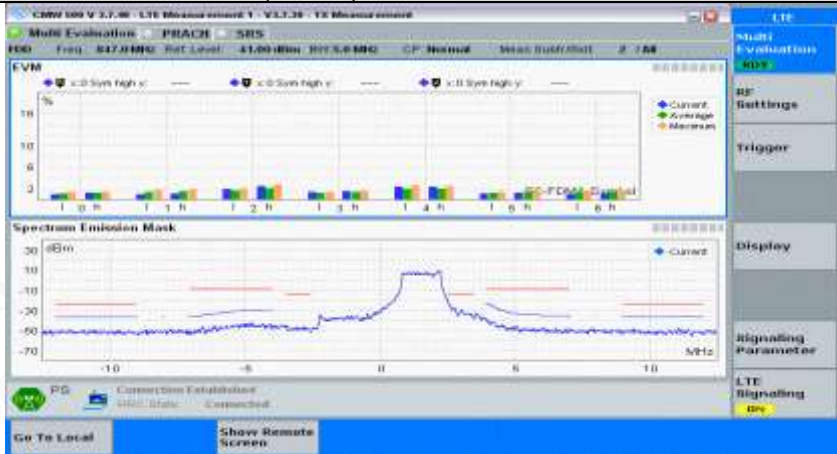
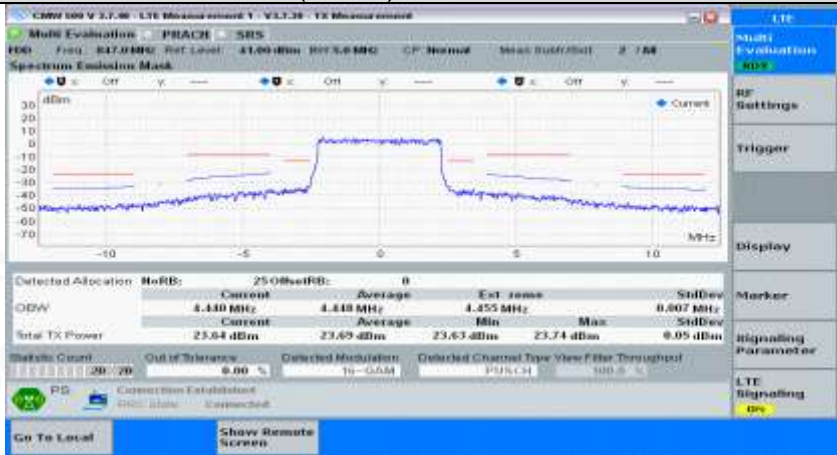
QPSK																																																									
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max																																																									
QPSK																																																									
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0																																																									
QPSK	 <table data-bbox="469 1487 1291 1599"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB</th><th colspan="2">250RB</th><th colspan="2">NoRB</th><th colspan="2">250RB</th><th colspan="2">NoRB</th><th colspan="2">250RB</th></tr><tr><th>Current</th><th>Average</th><th>Current</th><th>Average</th><th>Current</th><th>Average</th><th>Current</th><th>Average</th><th>Current</th><th>Average</th><th>Current</th><th>Average</th><th>Current</th><th>Average</th></tr><tr><td>4.440 MHz</td><td>4.429 MHz</td><td>4.440 MHz</td><td>4.429 MHz</td><td>4.440 MHz</td><td>4.429 MHz</td><td>4.440 MHz</td><td>4.429 MHz</td><td>4.440 MHz</td><td>4.429 MHz</td><td>4.440 MHz</td><td>4.429 MHz</td><td>4.440 MHz</td><td>4.429 MHz</td></tr><tr><td>23.63 dBm</td><td>23.62 dBm</td><td>23.63 dBm</td><td>23.62 dBm</td><td>23.59 dBm</td><td>23.64 dBm</td><td>23.59 dBm</td><td>23.64 dBm</td><td>23.59 dBm</td><td>23.64 dBm</td><td>23.59 dBm</td><td>23.64 dBm</td><td>23.59 dBm</td><td>23.64 dBm</td></tr></table>	Detected Allocation		NoRB		250RB		NoRB		250RB		NoRB		250RB		Current	Average	Current	Average	Current	Average	Current	Average	Current	Average	Current	Average	Current	Average	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	23.63 dBm	23.62 dBm	23.63 dBm	23.62 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm
Detected Allocation		NoRB		250RB		NoRB		250RB		NoRB		250RB																																													
Current	Average	Current	Average	Current	Average	Current	Average	Current	Average	Current	Average	Current	Average																																												
4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz	4.440 MHz	4.429 MHz																																												
23.63 dBm	23.62 dBm	23.63 dBm	23.62 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm	23.59 dBm	23.64 dBm																																												
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0																																																									


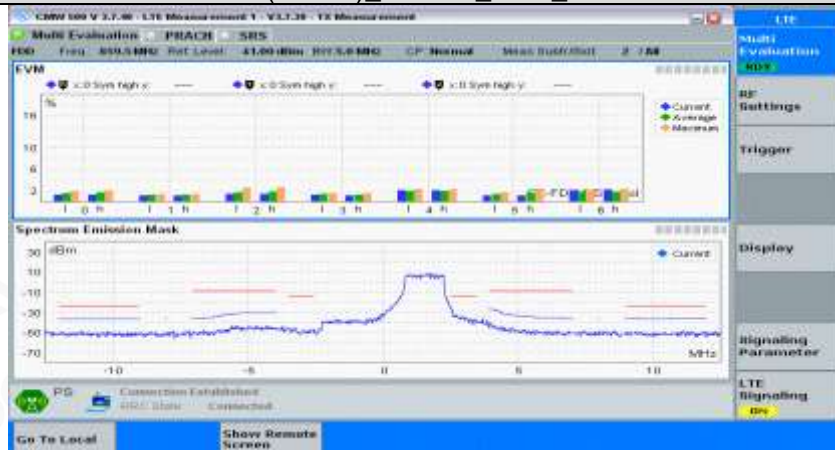
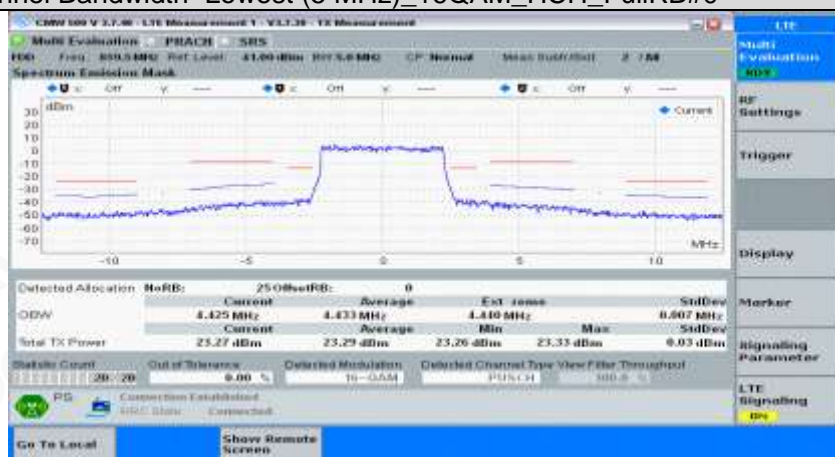
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

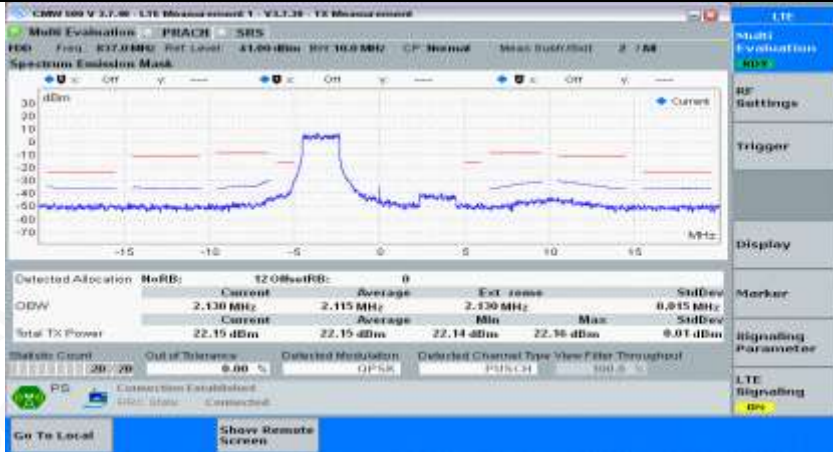
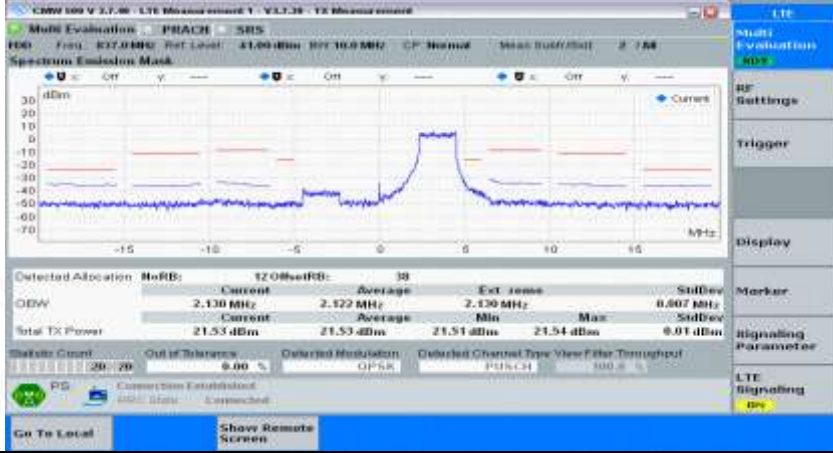
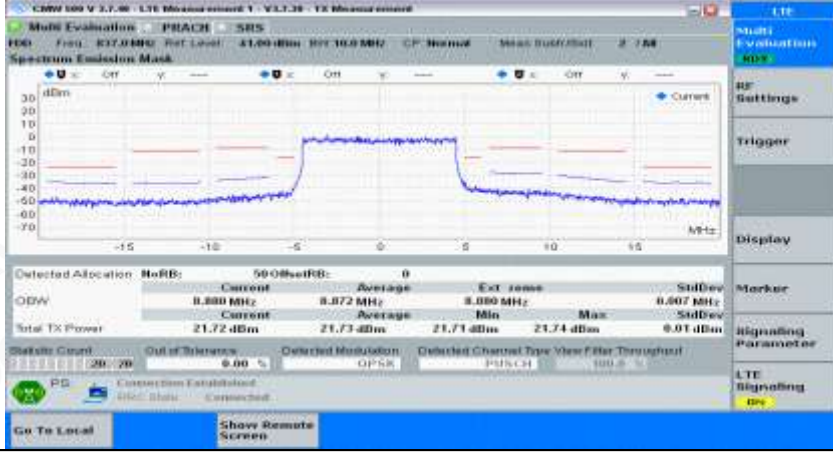
16QAM																															
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max																															
16QAM																															
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0																															
16QAM	 <table data-bbox="467 1487 1283 1599"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB: 250</th><th colspan="2">NoRB: 0</th><th colspan="2">Ext. tones</th><th colspan="2">SubDev</th></tr><tr><th>CDW</th><th>Current</th><th>Average</th><th>4.425 MHz</th><th>4.433 MHz</th><th>4.440 MHz</th><th>0.507 MHz</th><th>SubDev</th><th>SubDev</th><th>SubDev</th></tr><tr><td>Total TX Power</td><td>23.27 dBm</td><td>23.29 dBm</td><td>23.26 dBm</td><td>23.33 dBm</td><td>0.03 dBm</td><td></td><td></td><td></td><td></td></tr></table>	Detected Allocation		NoRB: 250		NoRB: 0		Ext. tones		SubDev		CDW	Current	Average	4.425 MHz	4.433 MHz	4.440 MHz	0.507 MHz	SubDev	SubDev	SubDev	Total TX Power	23.27 dBm	23.29 dBm	23.26 dBm	23.33 dBm	0.03 dBm				
Detected Allocation		NoRB: 250		NoRB: 0		Ext. tones		SubDev																							
CDW	Current	Average	4.425 MHz	4.433 MHz	4.440 MHz	0.507 MHz	SubDev	SubDev	SubDev																						
Total TX Power	23.27 dBm	23.29 dBm	23.26 dBm	23.33 dBm	0.03 dBm																										

Channel Bandwidth= (10 MHz)

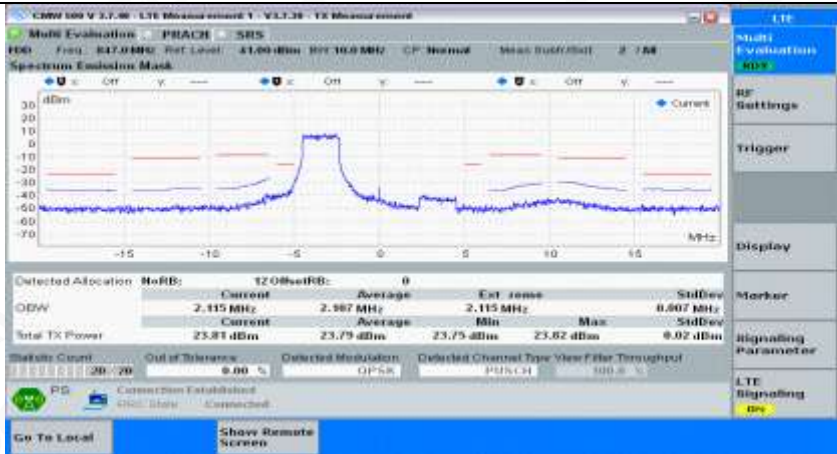
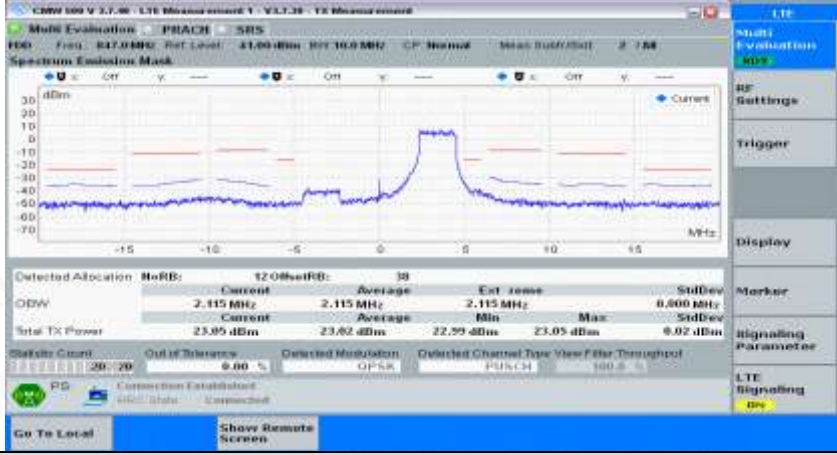
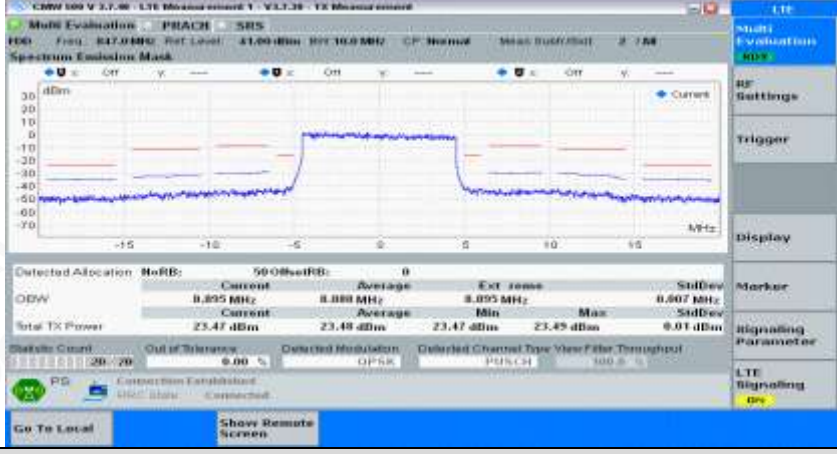
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0
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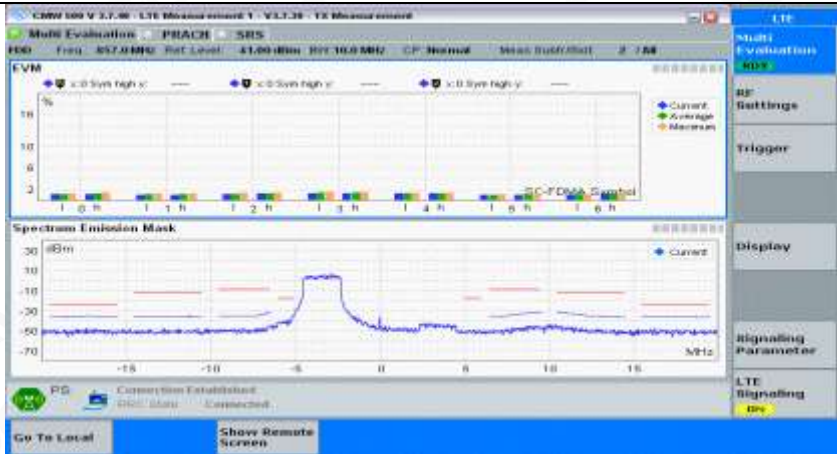
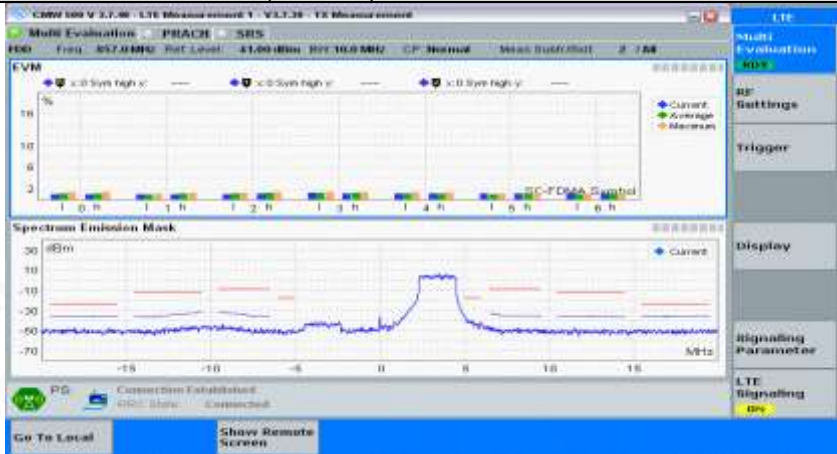





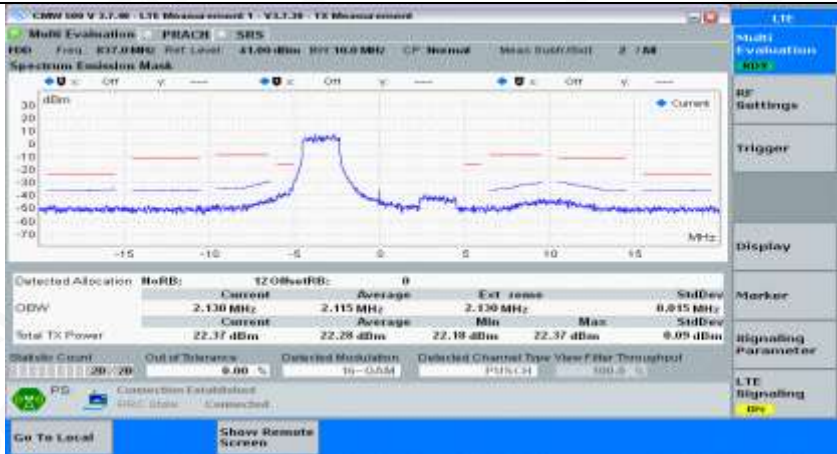
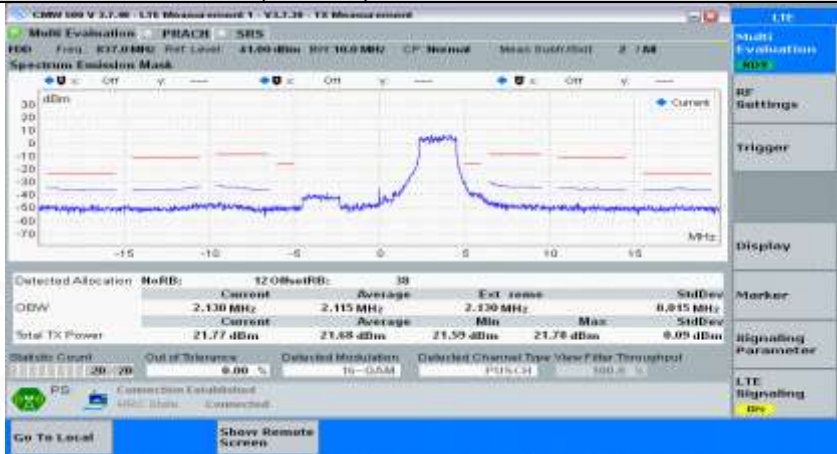
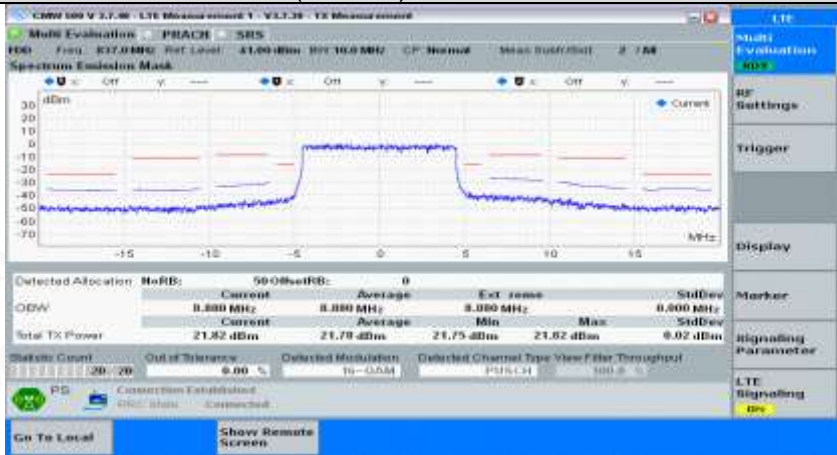
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	



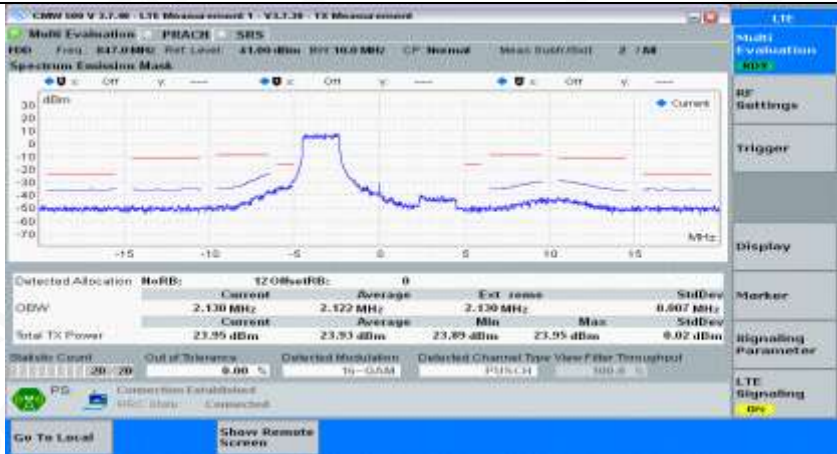
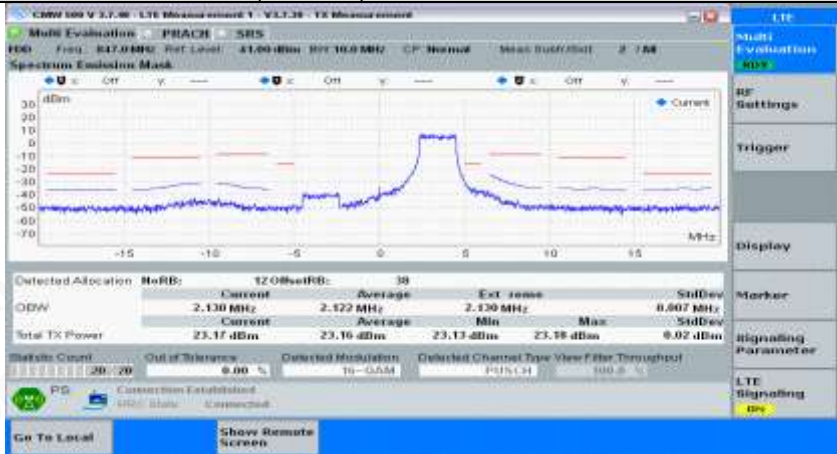
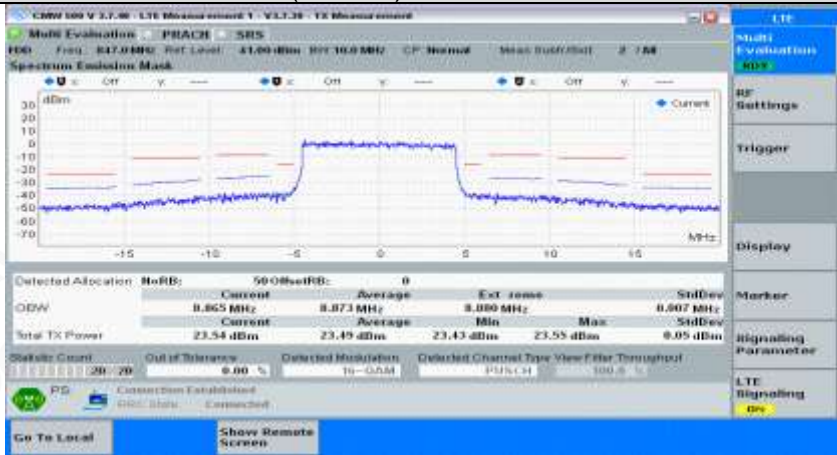
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

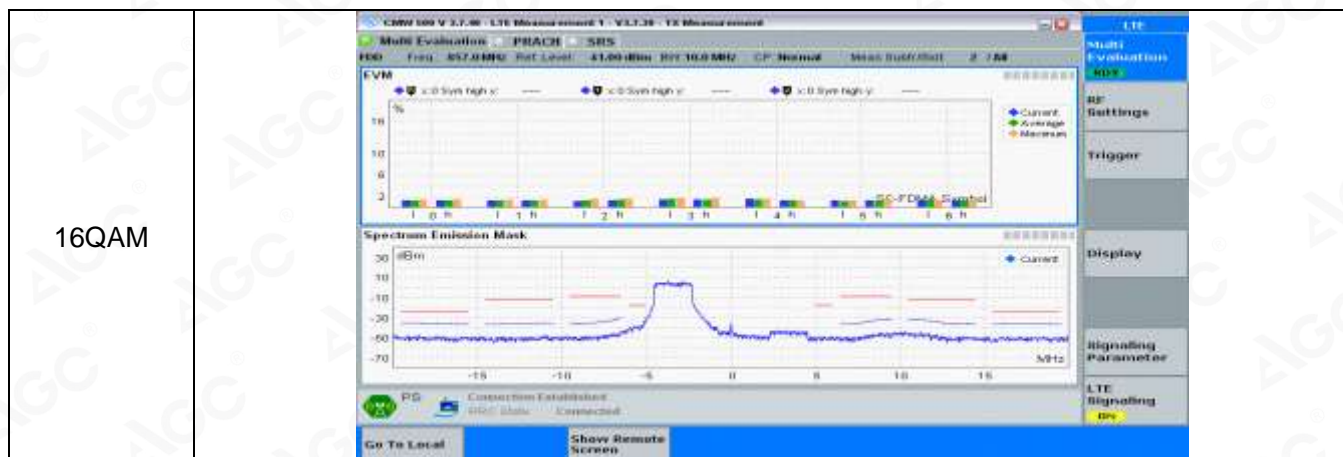
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	



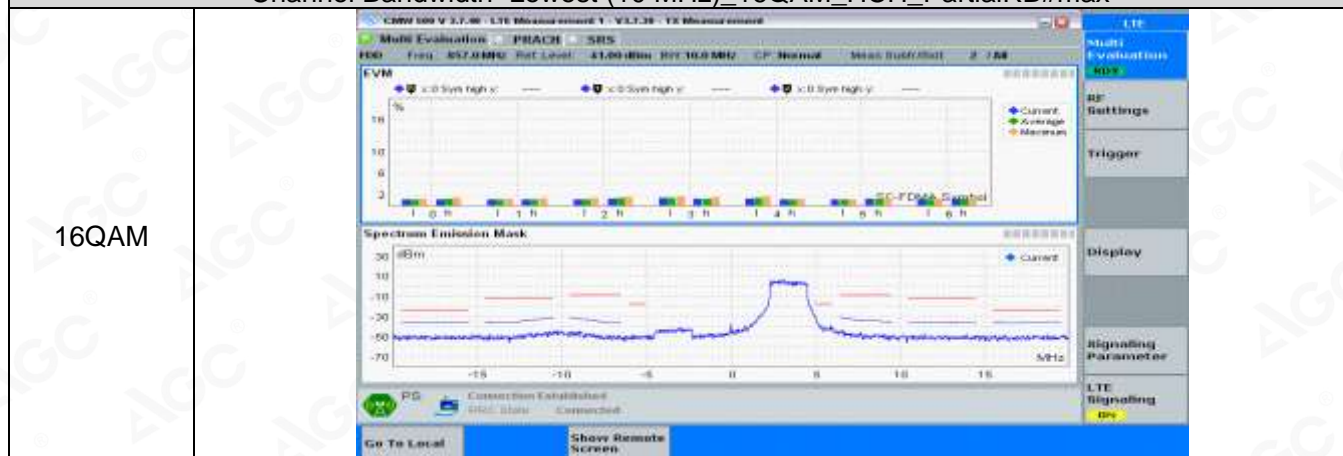
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	



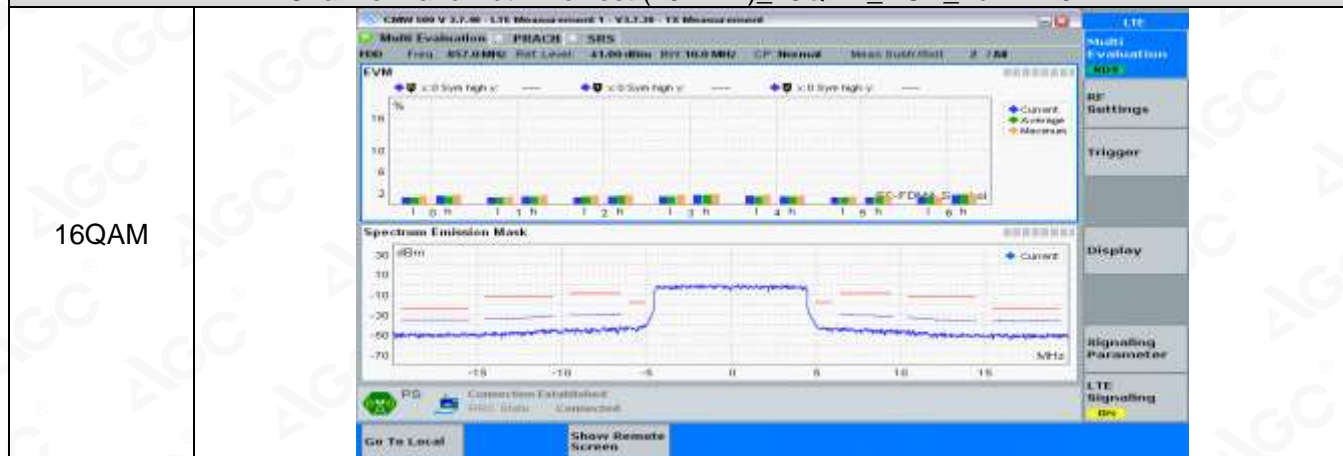
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_PartialRB#max



Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0

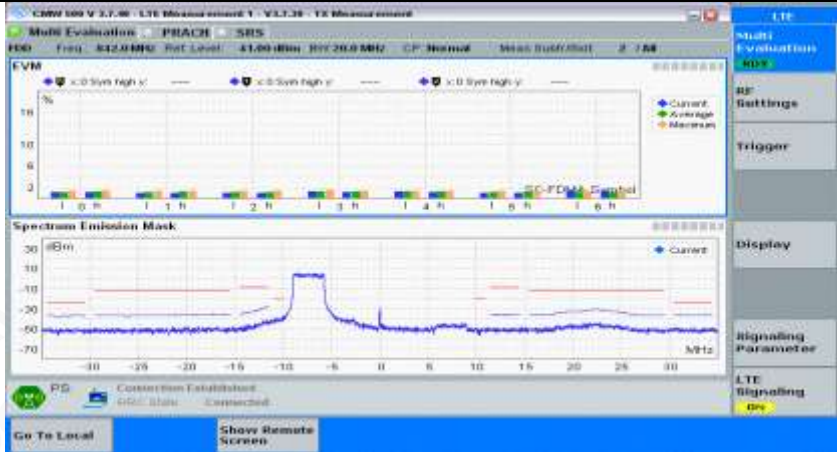
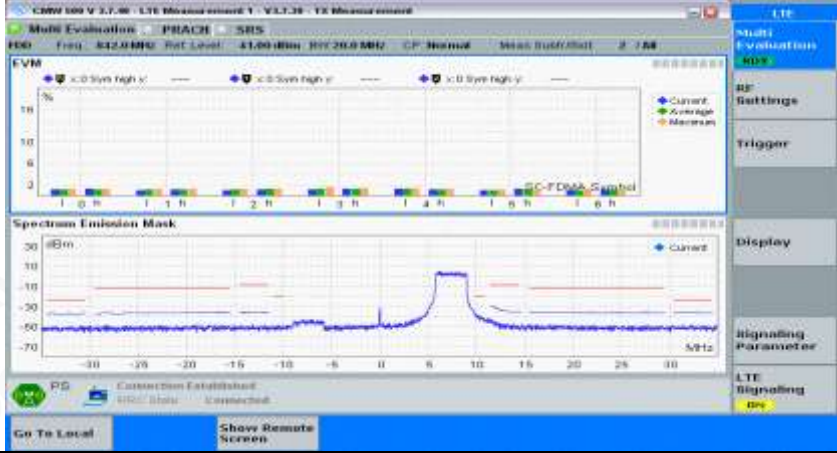
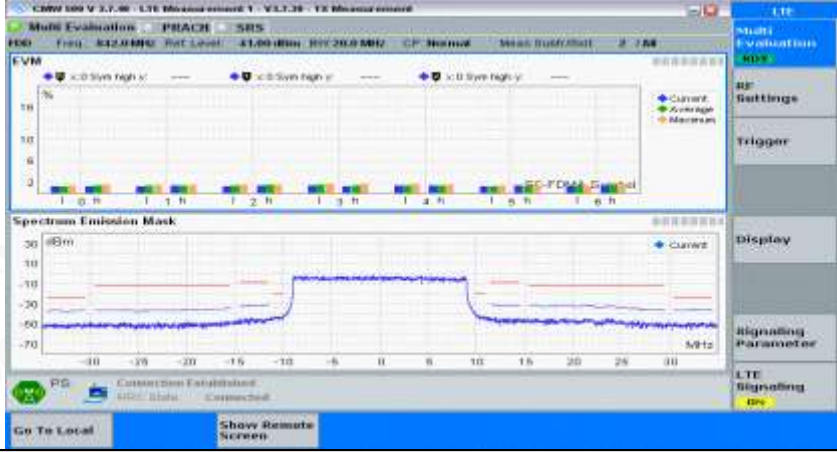


Channel Bandwidth=Highest (20 MHz)

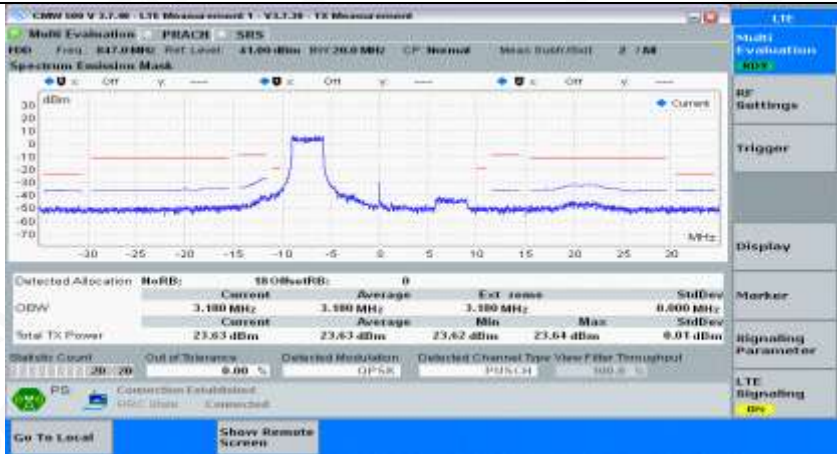
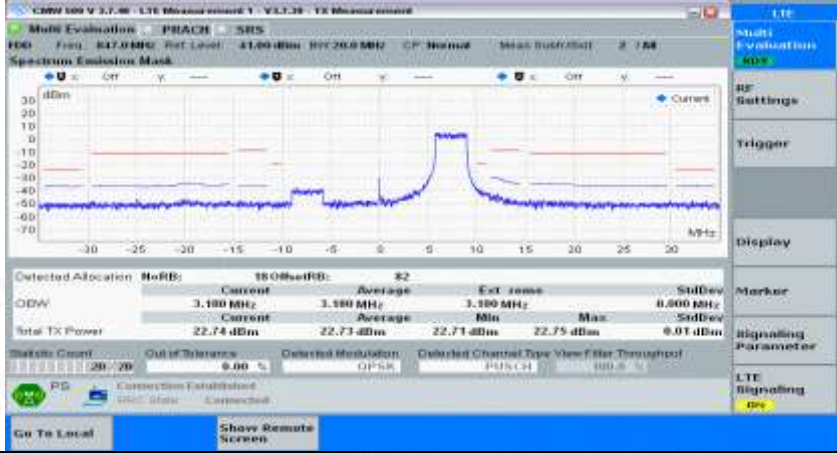
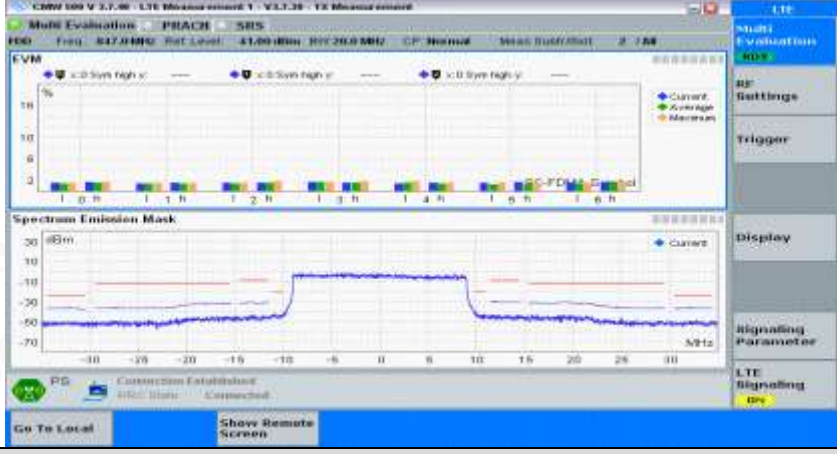
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0

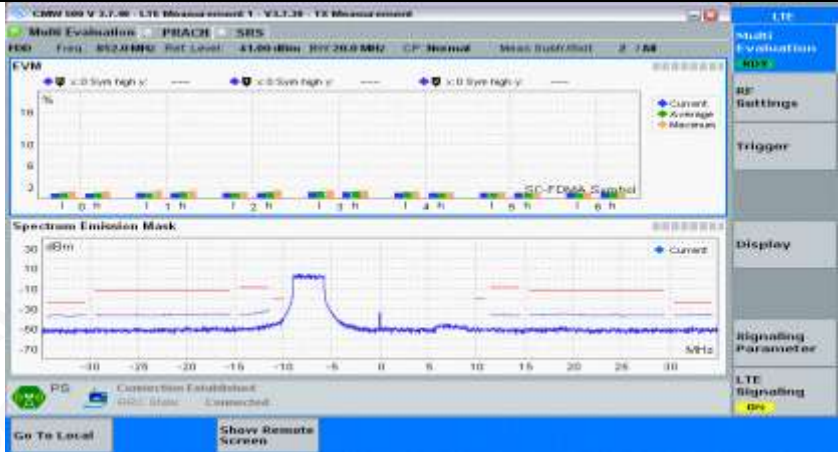






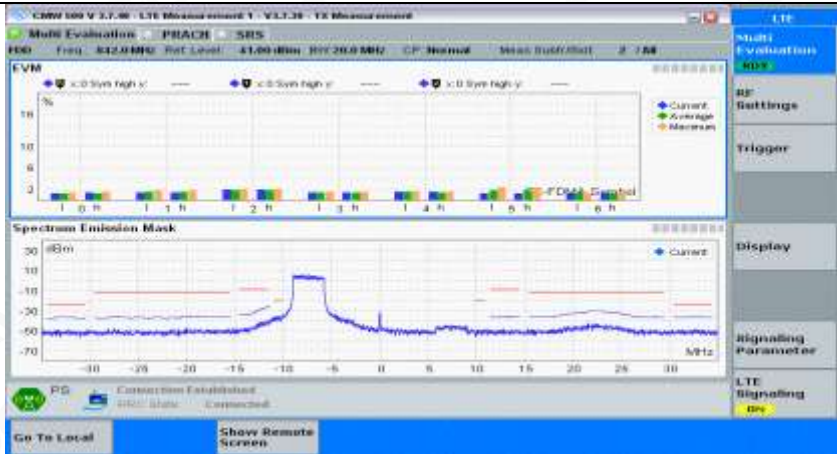
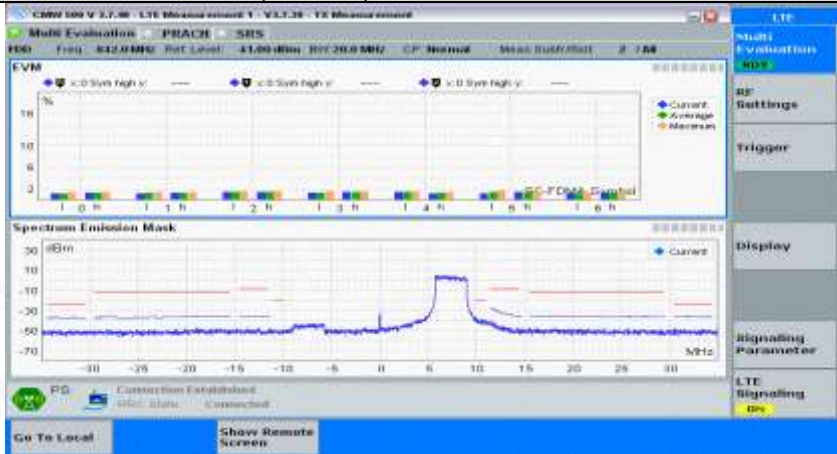
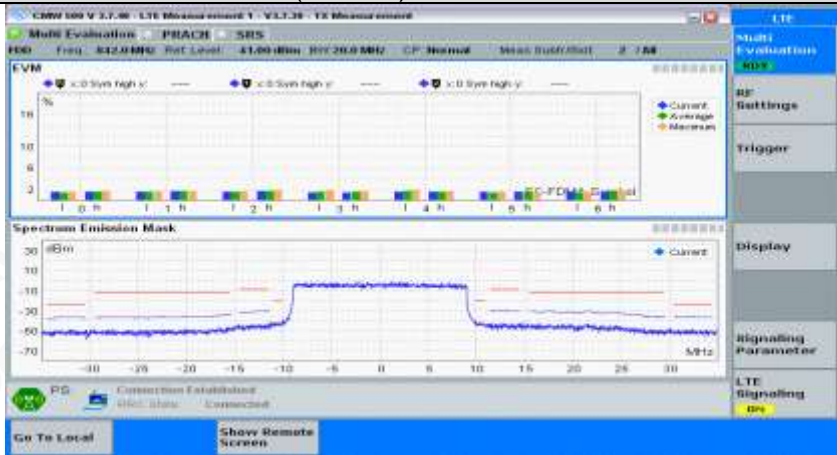
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	



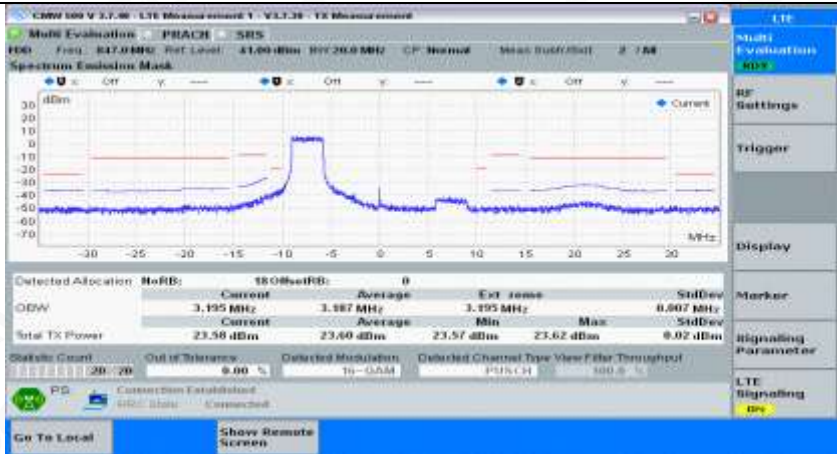
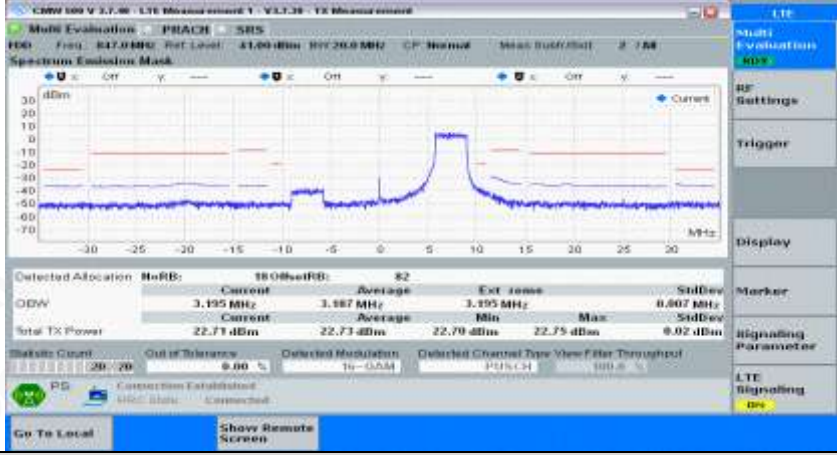

QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

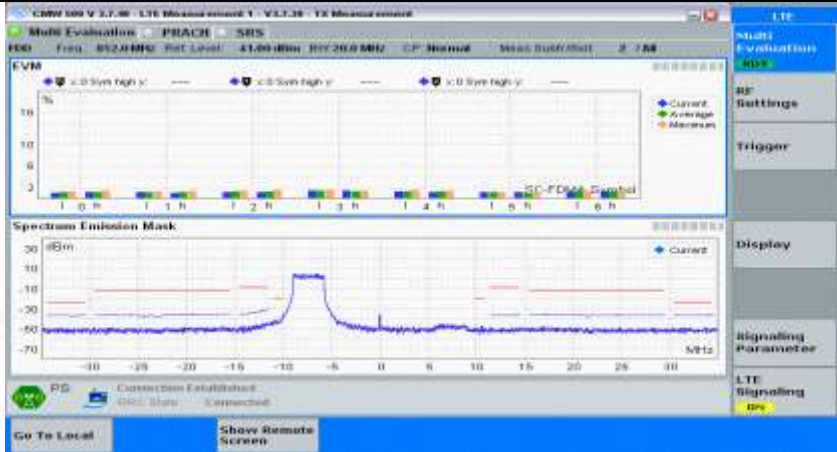
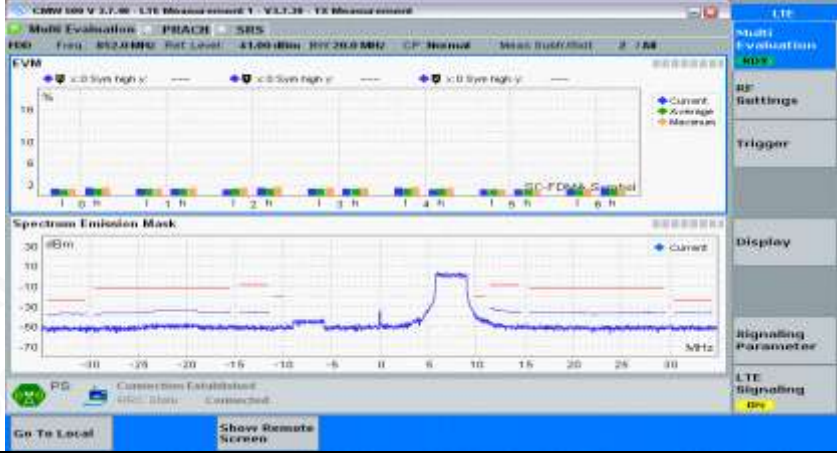
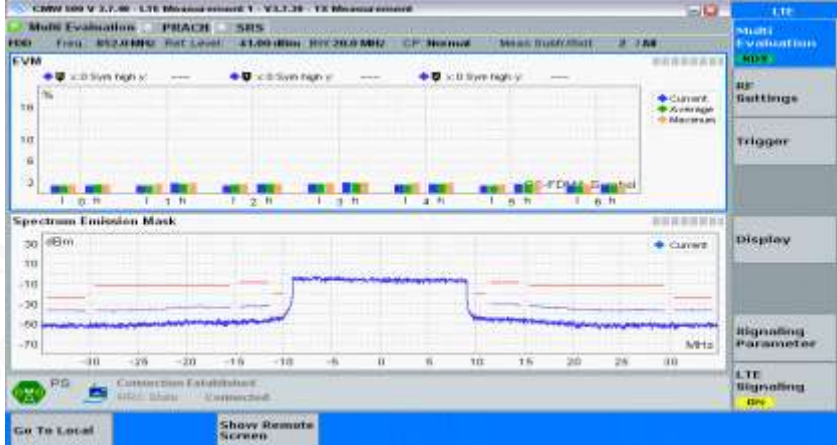
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0	
16QAM	

#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
	Full		0	PUMAX	Pass			

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass





			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



### Test Graphs




NTNV

### Channel Bandwidth=Lowest (5 MHz)



Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0
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QPSK																																		
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max																																		
QPSK																																		
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0																																		
QPSK	 <table data-bbox="469 1509 1187 1576"><tr><th>Det. ACLR</th><th>NoRB</th><th>25 OffRB</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1 (Current)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>52.94 dB</td><td>46.13 dB</td><td>45.19 dB</td><td>22.80 dBm</td><td>43.35 dB</td><td>44.01 dB</td><td>43.93 dB</td><td>44.01 dB</td><td>52.07 dB</td><td></td></tr><tr><td>Average</td><td>53.00 dB</td><td>46.02 dB</td><td>45.11 dB</td><td>22.80 dBm</td><td>43.28 dB</td><td>43.93 dB</td><td>43.93 dB</td><td>43.93 dB</td><td>51.83 dB</td><td></td></tr></table>	Det. ACLR	NoRB	25 OffRB	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Current)	E-UTRA 1	UTRA 1	UTRA 2	Current	52.94 dB	46.13 dB	45.19 dB	22.80 dBm	43.35 dB	44.01 dB	43.93 dB	44.01 dB	52.07 dB		Average	53.00 dB	46.02 dB	45.11 dB	22.80 dBm	43.28 dB	43.93 dB	43.93 dB	43.93 dB	51.83 dB	
Det. ACLR	NoRB	25 OffRB	0	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Current)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	52.94 dB	46.13 dB	45.19 dB	22.80 dBm	43.35 dB	44.01 dB	43.93 dB	44.01 dB	52.07 dB																									
Average	53.00 dB	46.02 dB	45.11 dB	22.80 dBm	43.28 dB	43.93 dB	43.93 dB	43.93 dB	51.83 dB																									
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0																																		


QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0</p>



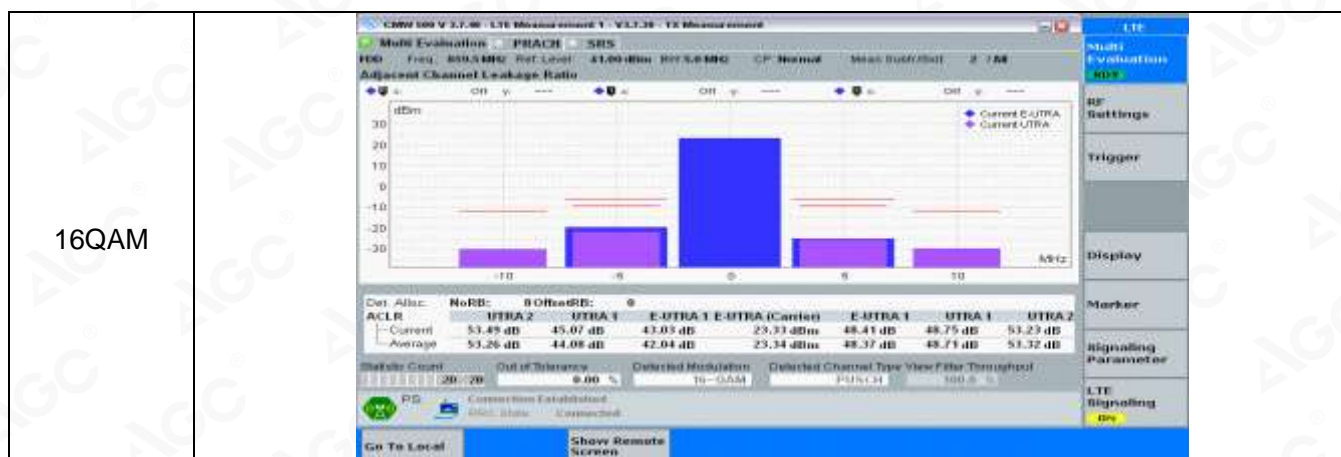
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>

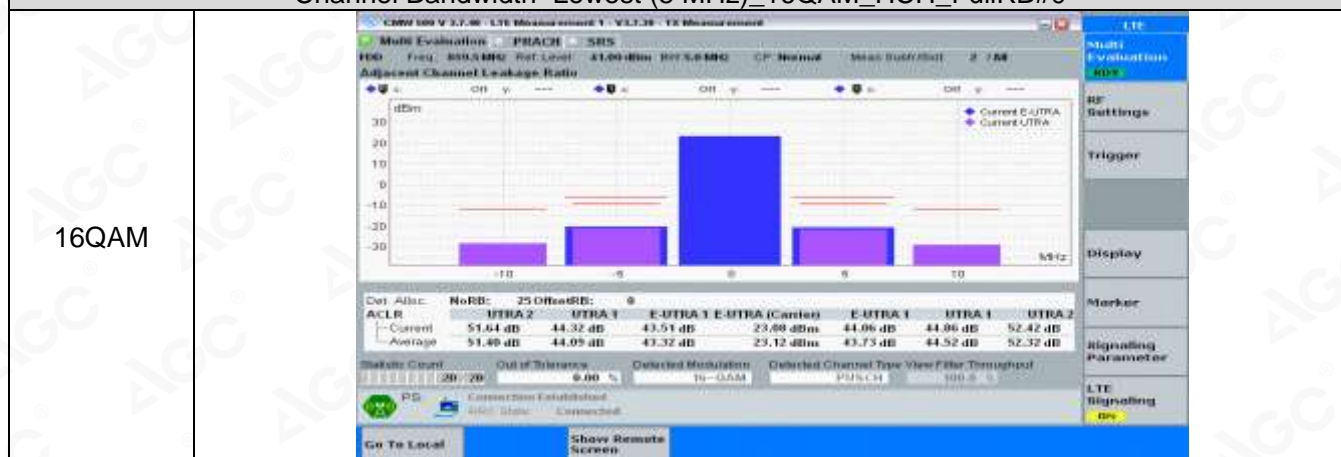




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max



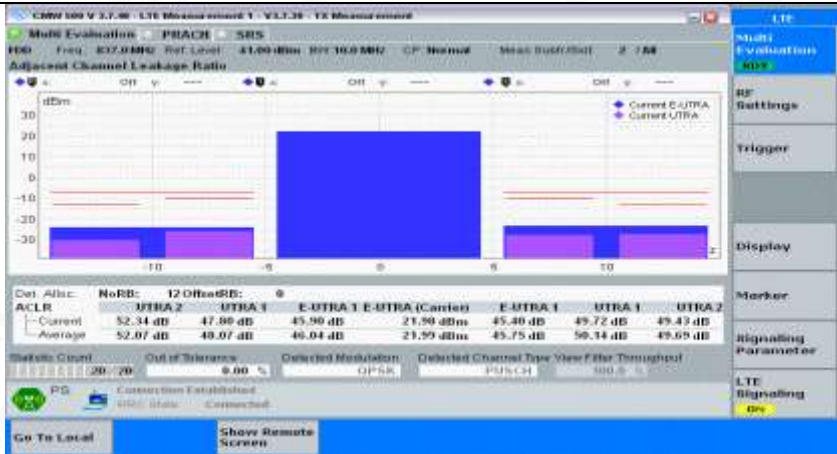

Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0






Channel Bandwidth=(10 MHz)

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0









QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0</p>






QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	




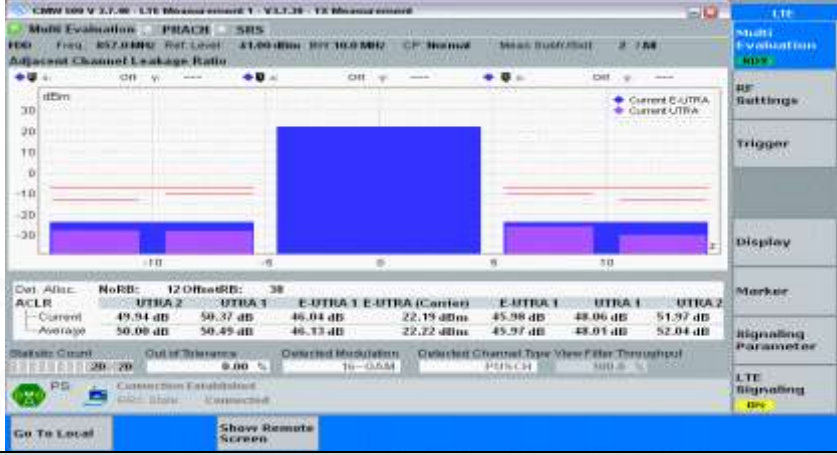
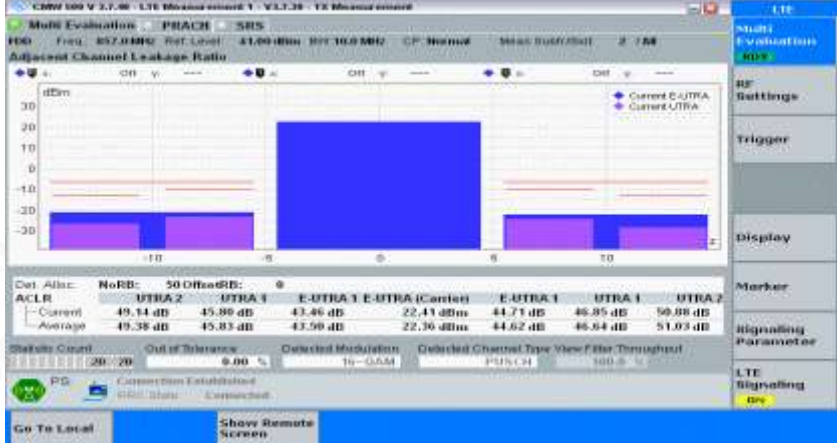
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	



16QAM		Multi-Evaluation RF Settings Trigger Display Signaling Parameter LTE Signaling																																							
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max																																									
16QAM		Multi-Evaluation RF Settings Trigger Display Signaling Parameter LTE Signaling																																							
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0																																									
16QAM	 <table><tr><th>Det. Attrib.</th><th>NoRB</th><th>50 OffRB</th><th>0</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1</th></tr><tr><td>Current</td><td>47.38 dB</td><td>43.79 dB</td><td>41.43 dB</td><td>23.48 dBm</td><td>41.98 dB</td><td>44.54 dB</td><td>44.54 dB</td><td>44.54 dB</td><td>44.54 dB</td><td>44.54 dB</td><td>44.54 dB</td><td>44.54 dB</td></tr><tr><td>Average</td><td>47.53 dB</td><td>43.98 dB</td><td>41.63 dB</td><td>23.42 dBm</td><td>42.11 dB</td><td>44.70 dB</td><td>44.70 dB</td><td>44.70 dB</td><td>44.70 dB</td><td>44.70 dB</td><td>44.70 dB</td><td>44.70 dB</td></tr></table>	Det. Attrib.	NoRB	50 OffRB	0	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	Current	47.38 dB	43.79 dB	41.43 dB	23.48 dBm	41.98 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	Average	47.53 dB	43.98 dB	41.63 dB	23.42 dBm	42.11 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	Multi-Evaluation RF Settings Trigger Display Signaling Parameter LTE Signaling
Det. Attrib.	NoRB	50 OffRB	0	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1	E-UTRA 1																													
Current	47.38 dB	43.79 dB	41.43 dB	23.48 dBm	41.98 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB	44.54 dB																													
Average	47.53 dB	43.98 dB	41.63 dB	23.42 dBm	42.11 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB	44.70 dB																													
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0																																									



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullIRB#0	
16QAM	


Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0


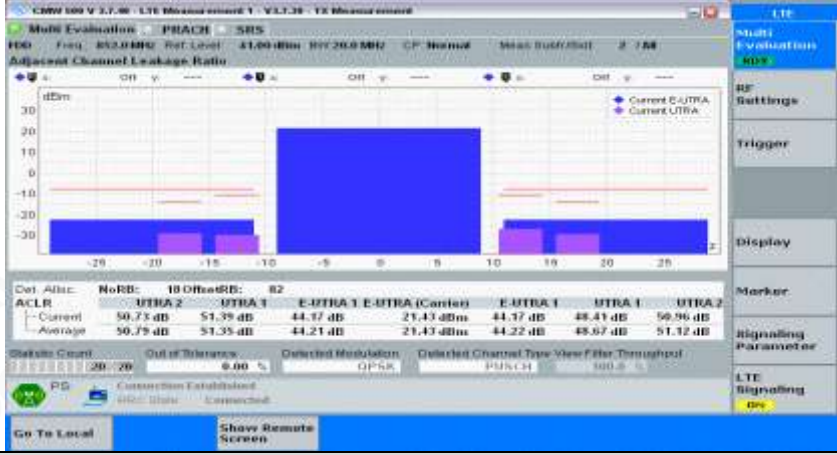






QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>






QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>



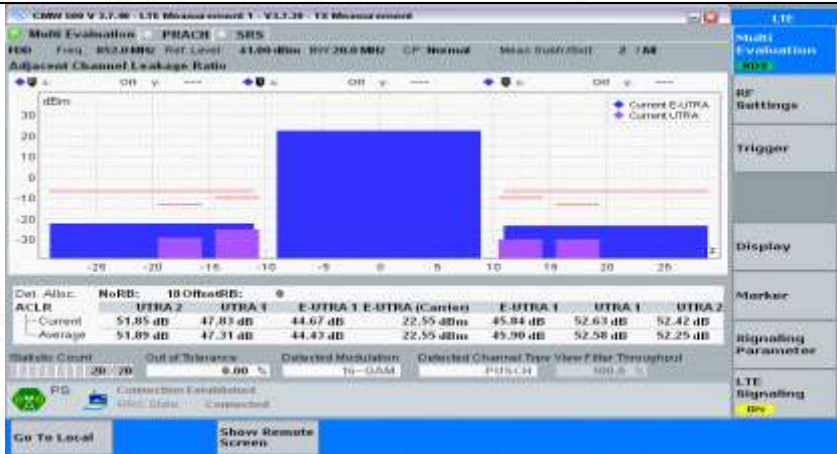

QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	

16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0</p>
16QAM	

## 5. Transmitter Spurious Emissions

### Test Result

NTNV

**Channel Bandwidth=Lowest (5 MHz)**

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth=Highest (20 MHz)**

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

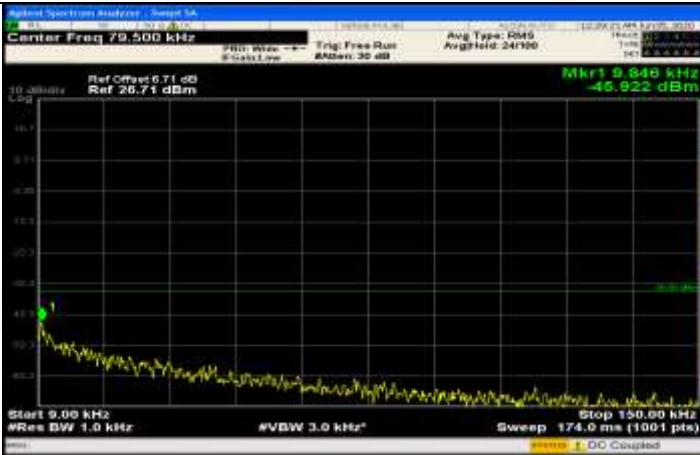

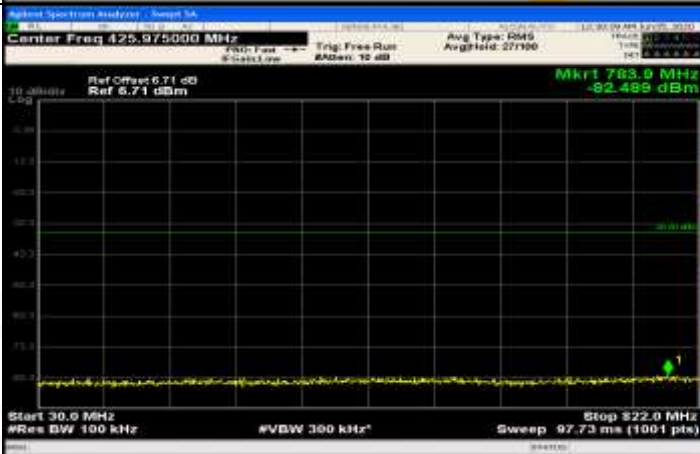
### Test Graphs

NTNV

**Channel Bandwidth=Lowest (5 MHz)**

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_1RB#0

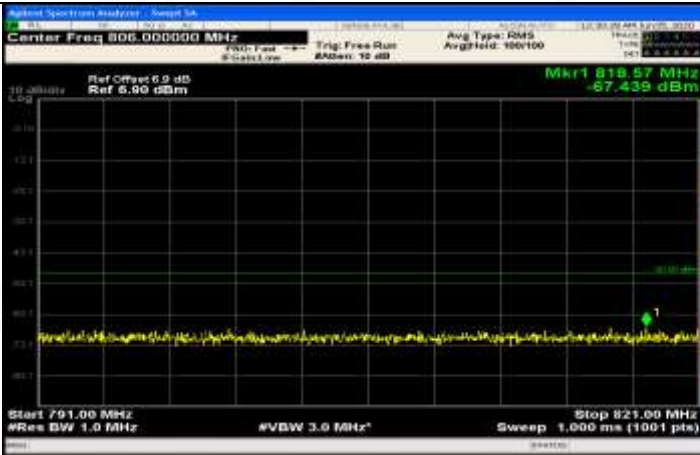
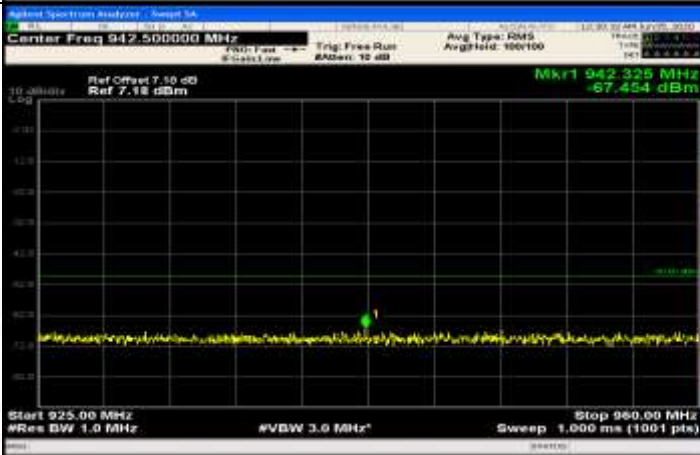
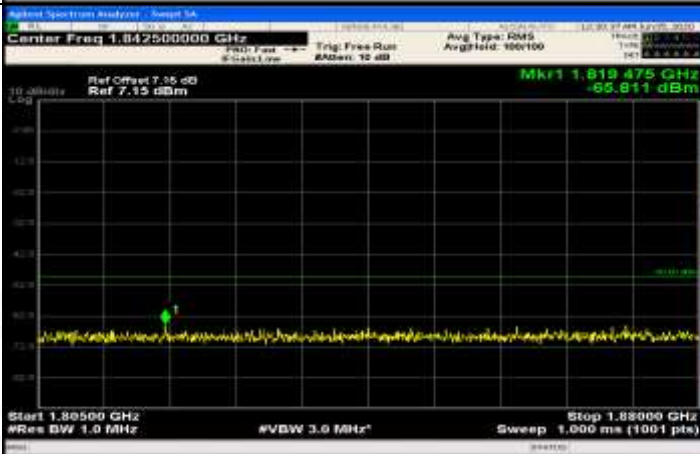


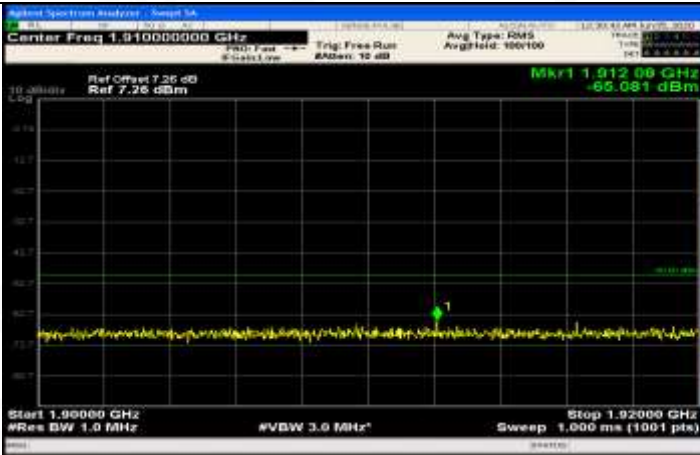
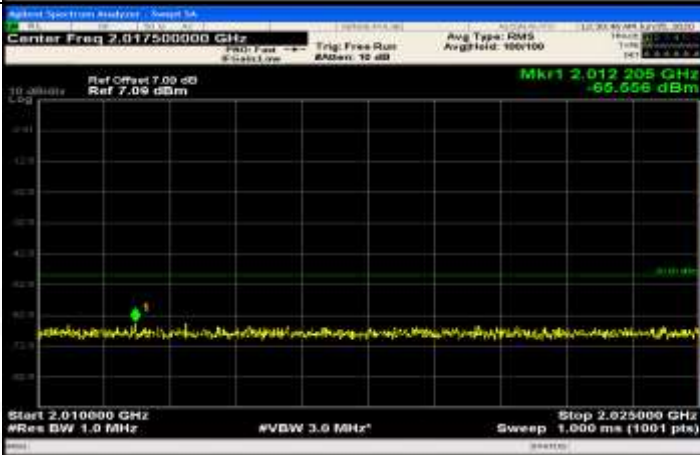
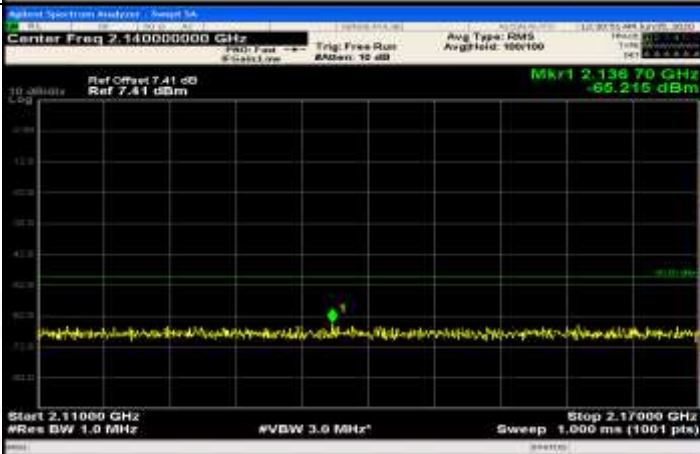
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 79.500 kHz Ref Offset 6.71 dB Ref 26.71 dBm Mkr1 9.846 kHz -46.922 dBm Start 9.00 kHz #Res BW 1.0 kHz #VBW 3.0 kHz Stop 150.00 kHz Sweep 174.0 ms (1001 pts) #FREQ 1.00 Coupled</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -44.510 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts) #FREQ 1.00 Coupled</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 425.975000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 793.9 MHz -82.489 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 822.0 MHz Sweep 97.73 ms (1001 pts) #FREQ 1.00 Coupled</p>



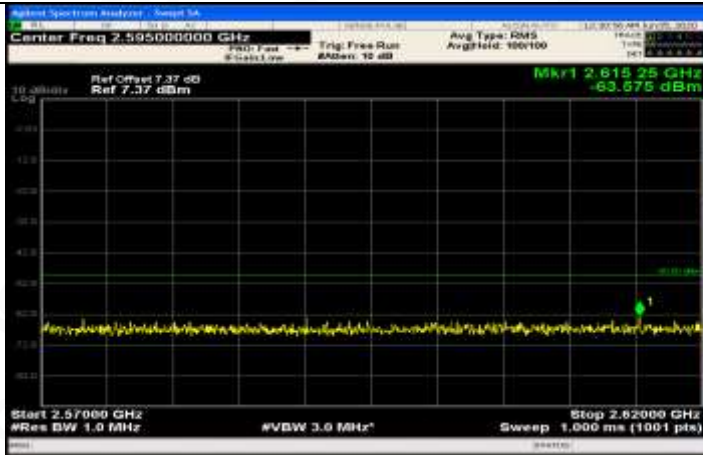
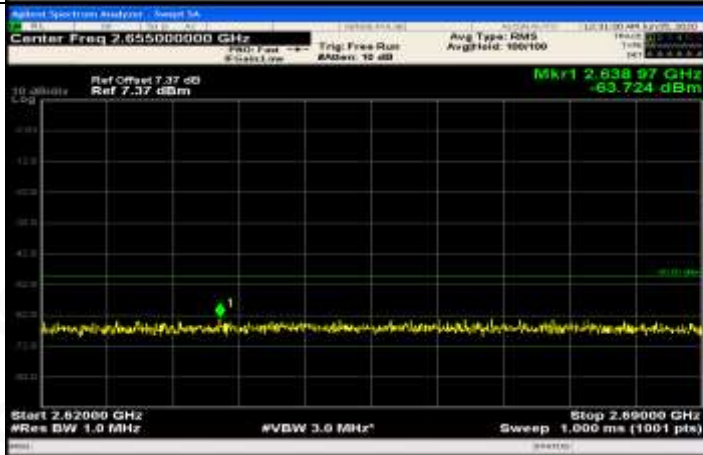
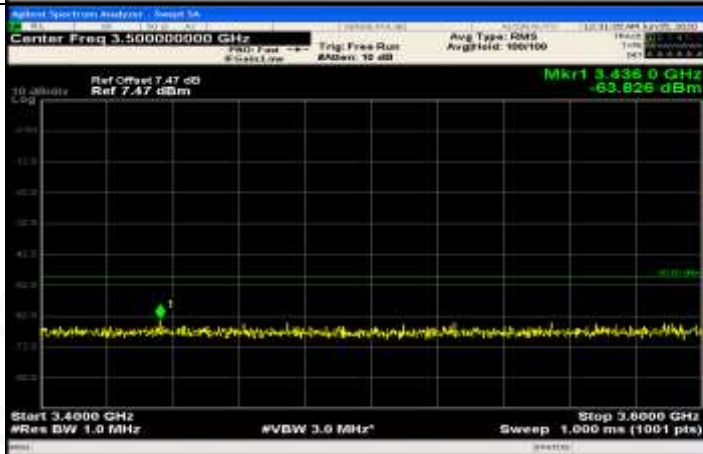
General	
General	
General	

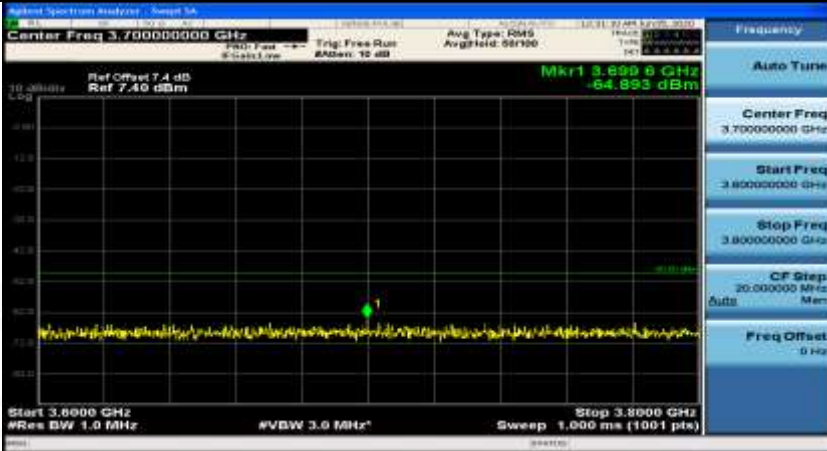


Co-existence	
Co-existence	
Co-existence	


Co-existence	
Co-existence	
Co-existence	



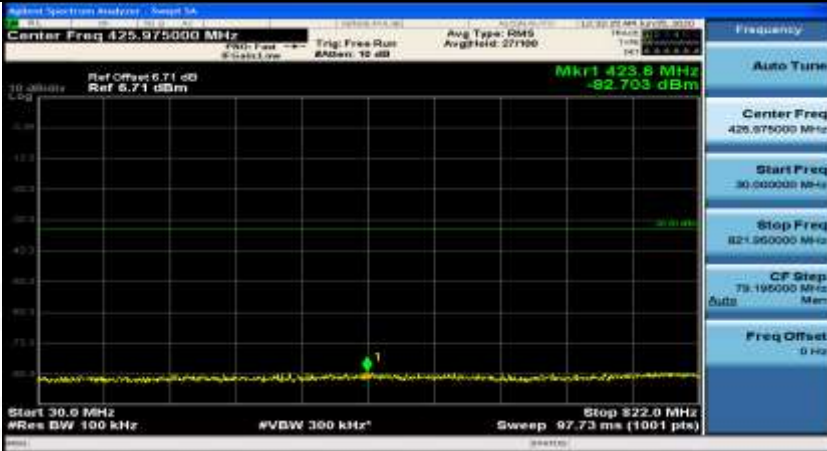
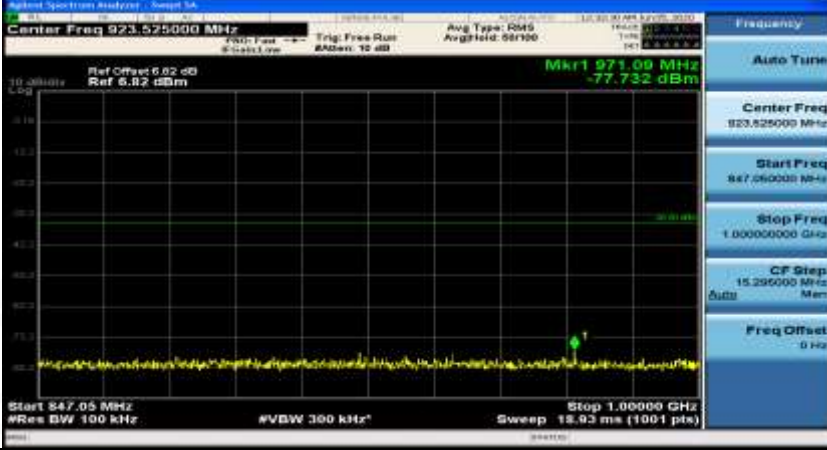

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.45000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_1RB#max




General	
General	

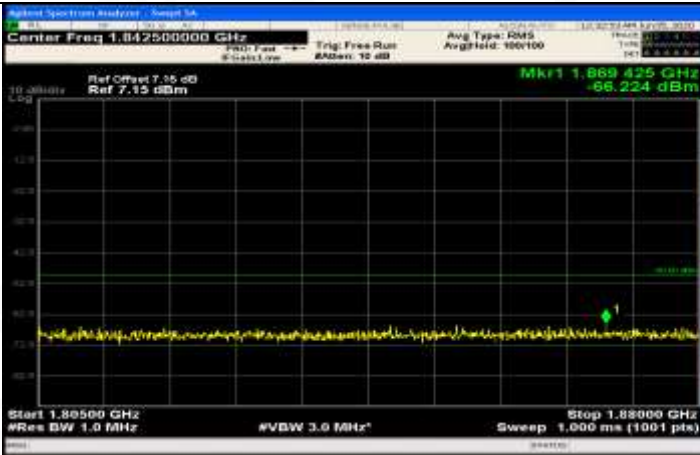
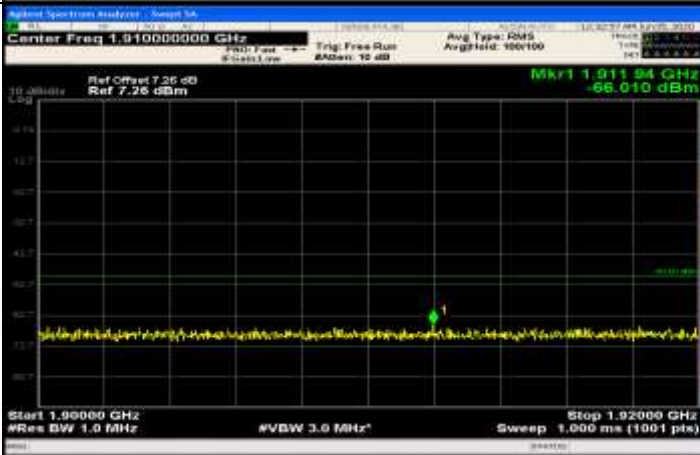
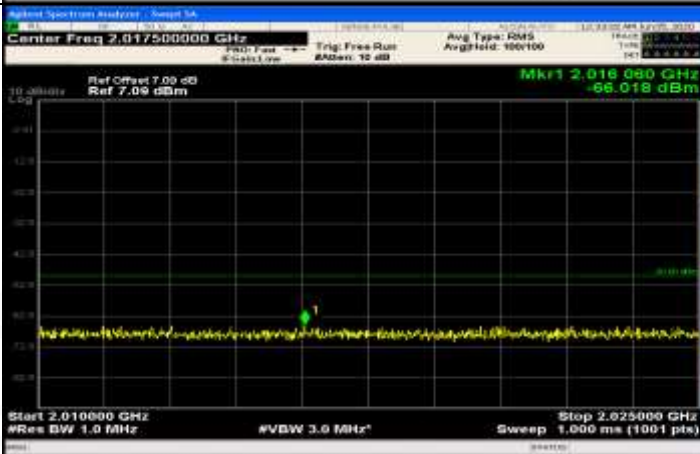


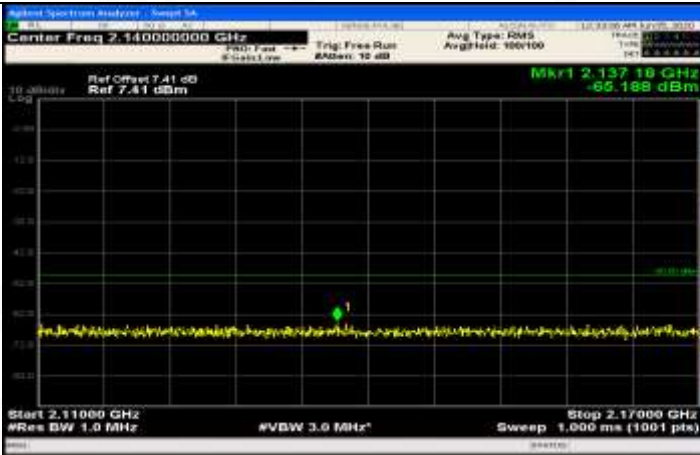
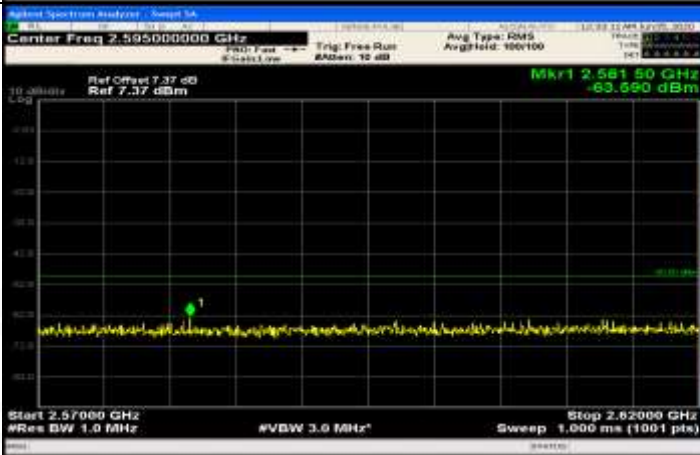
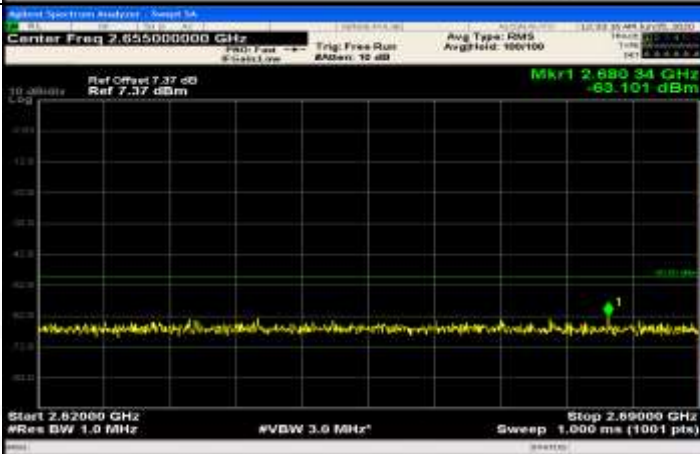
General	
General	
General	



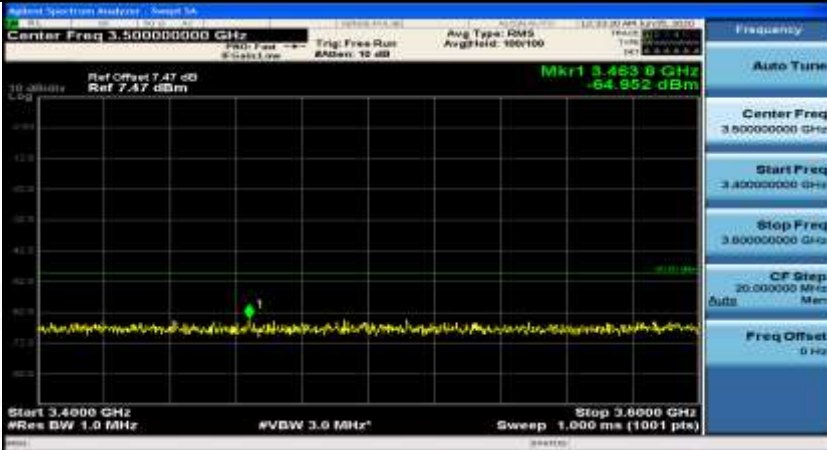
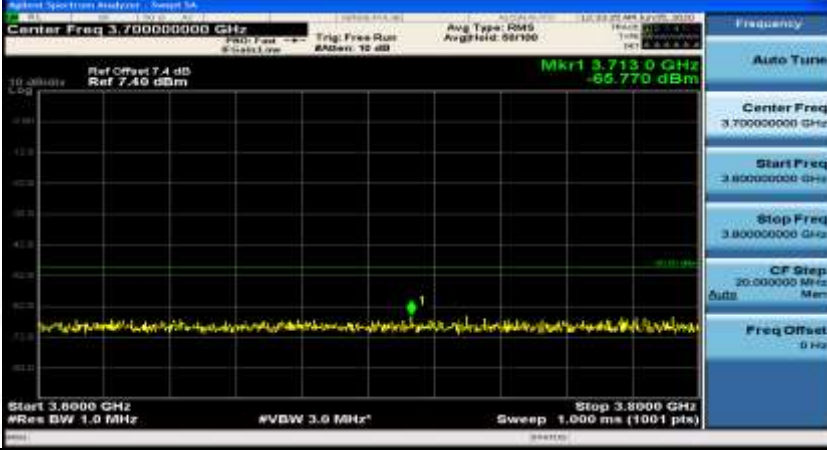


General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	


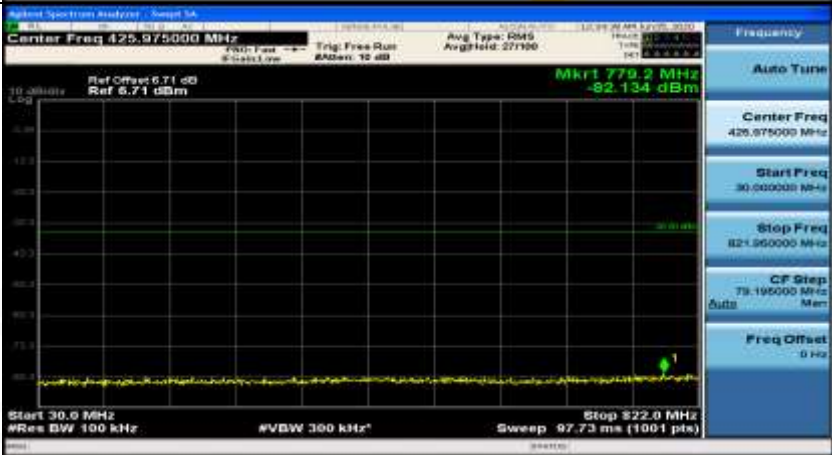
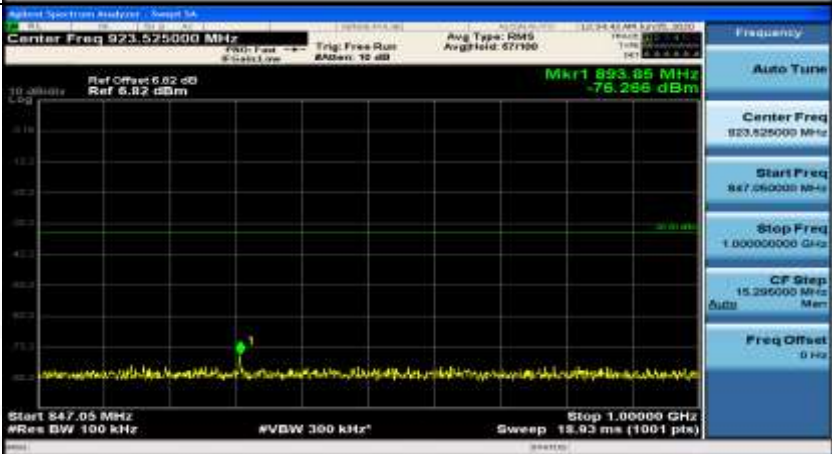
Co-existence	
Co-existence	
Co-existence	



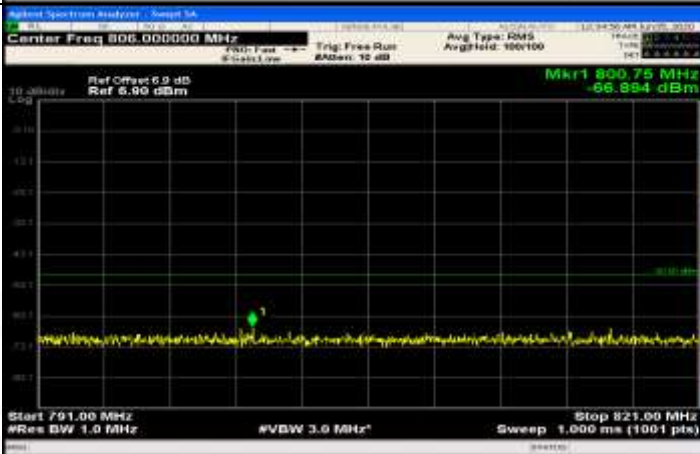


Co-existence	
Co-existence	
Additional	NA

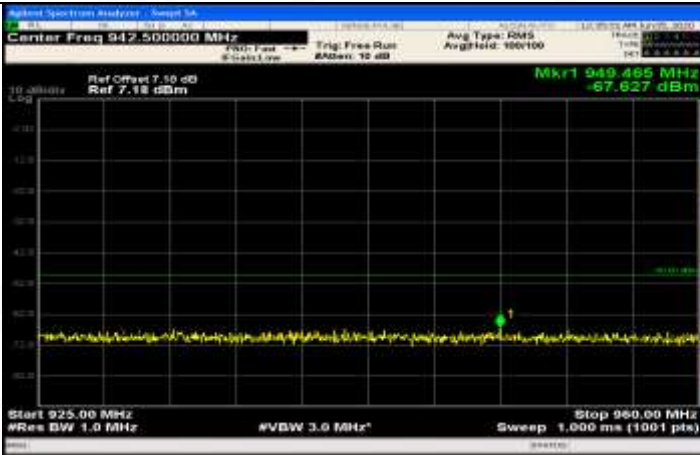
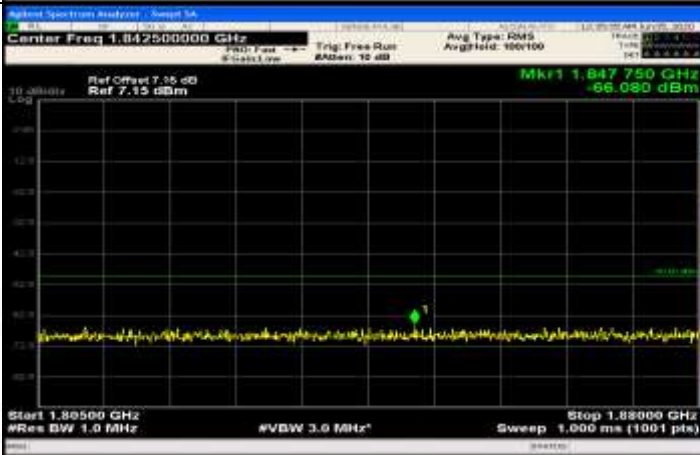
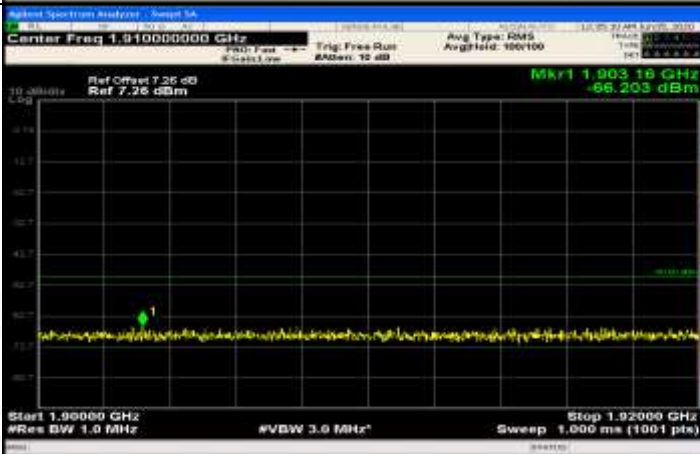
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	

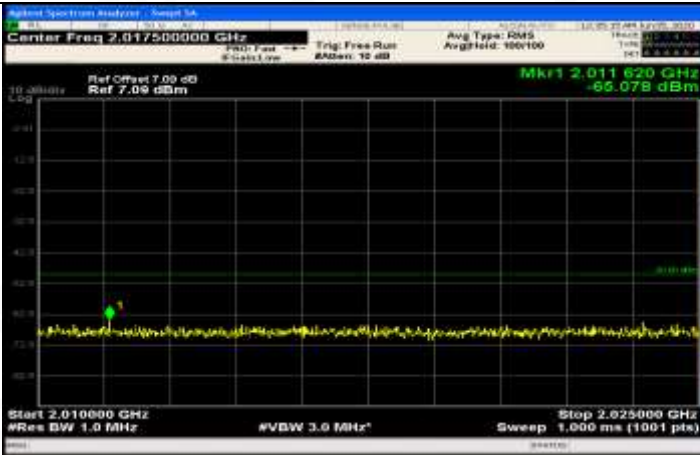
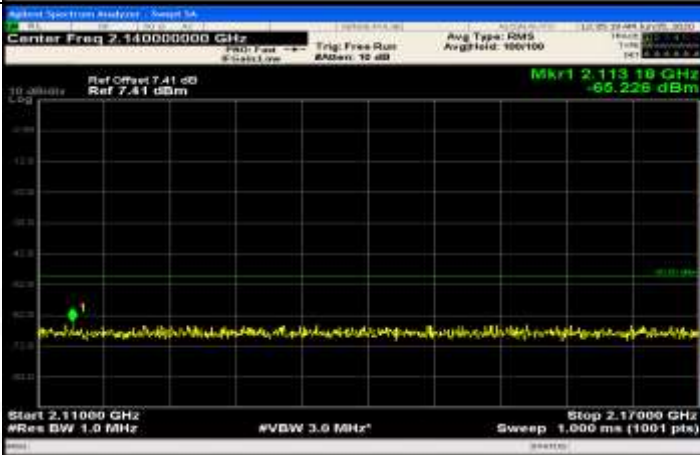
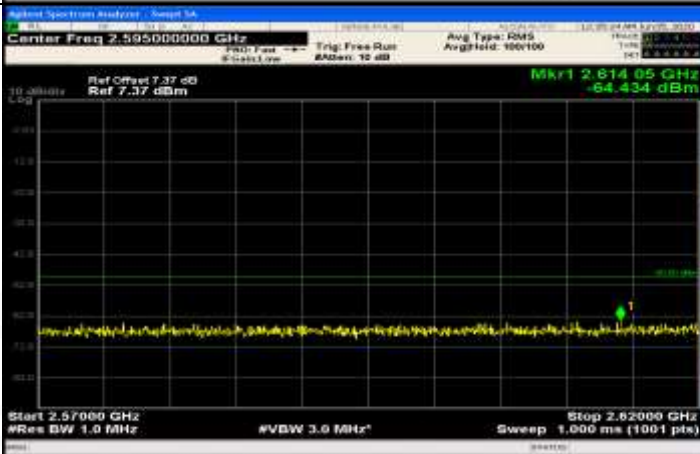


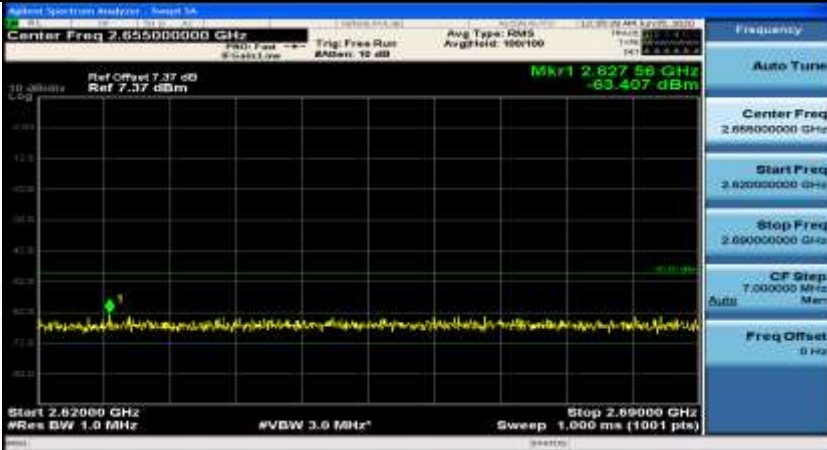
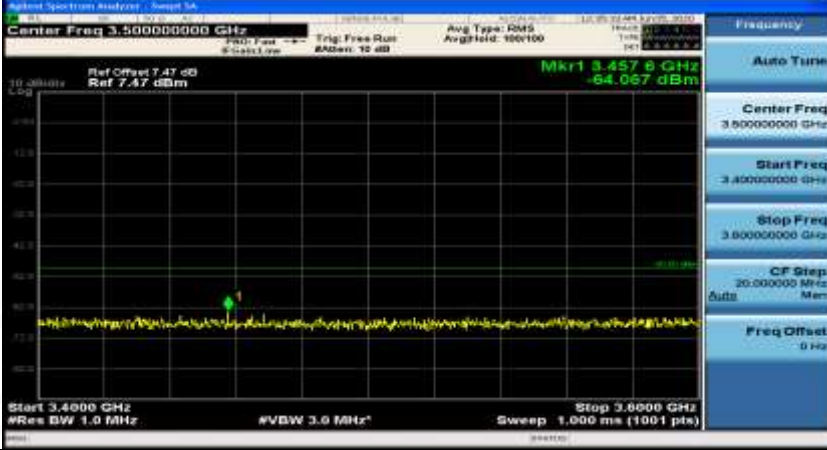

General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 15.075000 MHz Ref Offset 6.71 dB Ref 30.00 dBm Mkr1 150 kHz -49.646 dBm Start 150 kHz #Res BW 10 kHz #VBW 30 kHz Stop 30.00 MHz Sweep 368.3 ms (1001 pts) Auto Tune Center Freq 15.075000 MHz Start Freq 150.000 kHz Stop Freq 30.000000 MHz CF Step 2.980000 MHz Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 425.975000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 770.2 MHz -82.134 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 522.0 MHz Sweep 97.73 ms (1001 pts) Auto Tune Center Freq 425.975000 MHz Start Freq 30.000000 MHz Stop Freq 521.950000 MHz CF Step 79.195000 MHz Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 923.525000 MHz Ref Offset 6.82 dB Ref 6.82 dBm Mkr1 993.05 MHz -76.255 dBm Start 847.05 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.00000 GHz Sweep 15.93 ms (1001 pts) Auto Tune Center Freq 923.525000 MHz Start Freq 847.050000 MHz Stop Freq 1.00000000 GHz CF Step 15.295000 MHz Freq Offset 0 Hz</p>

General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

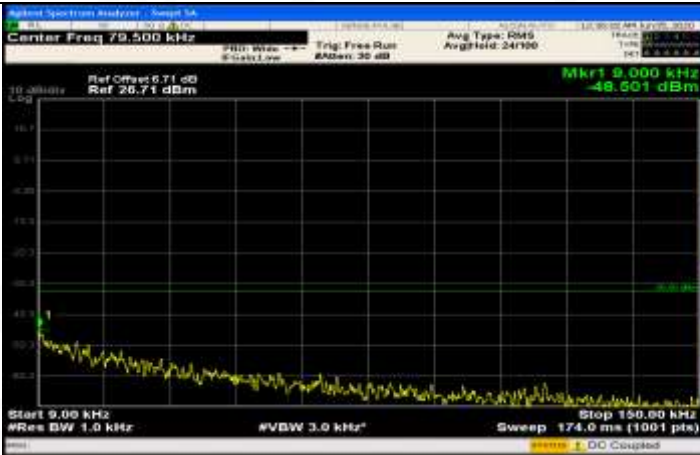

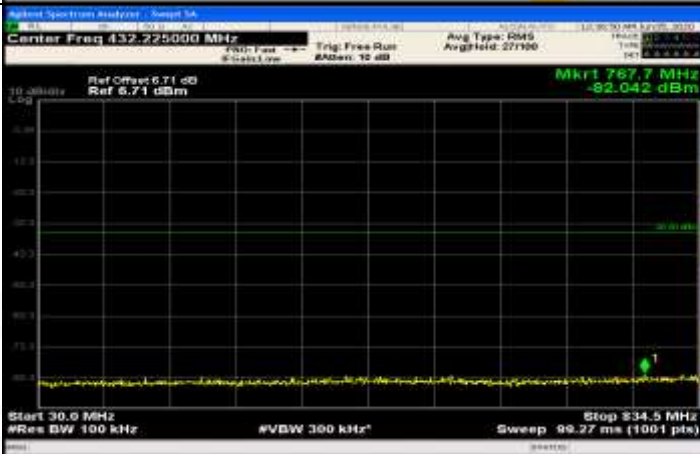
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

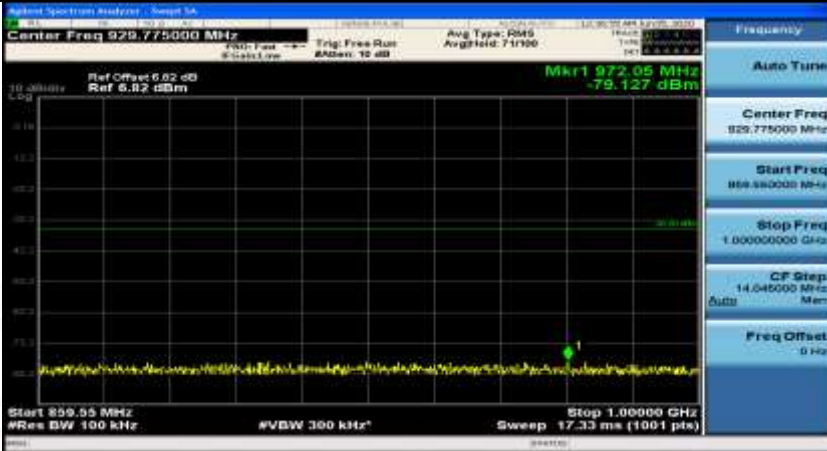


Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#0

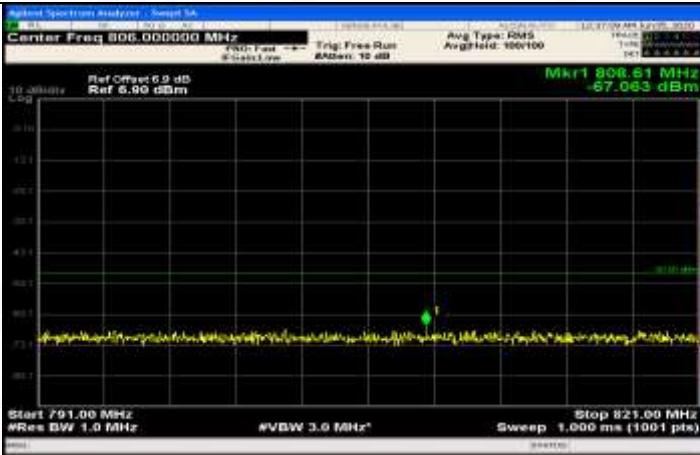
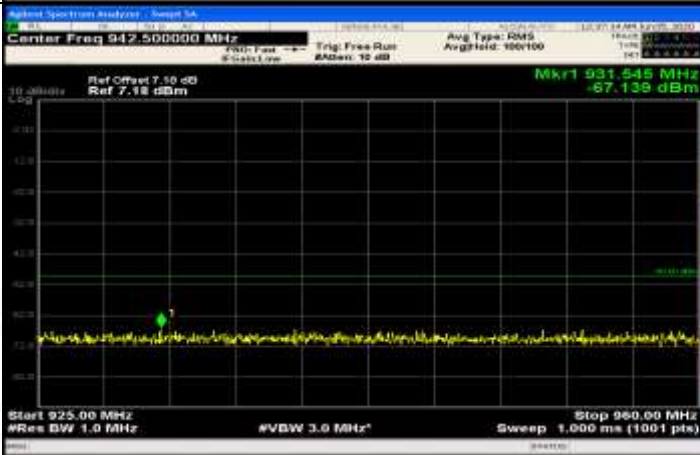
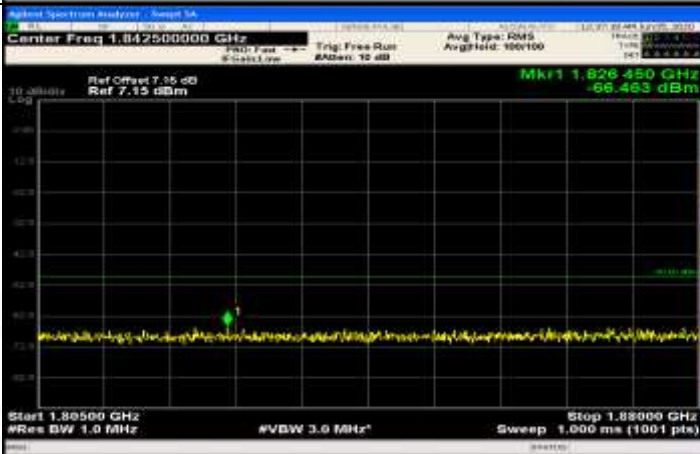




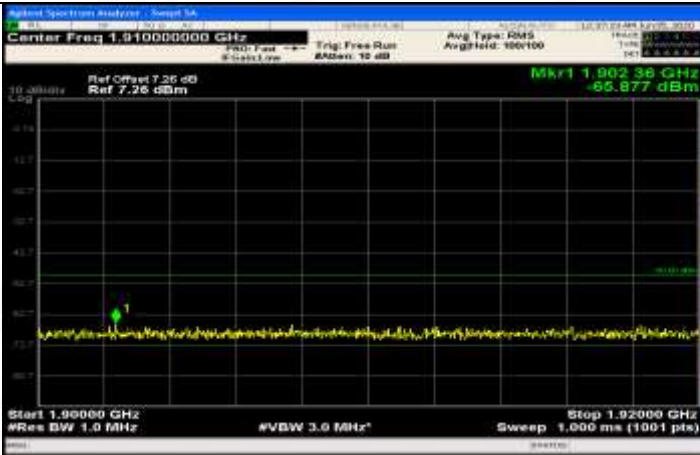
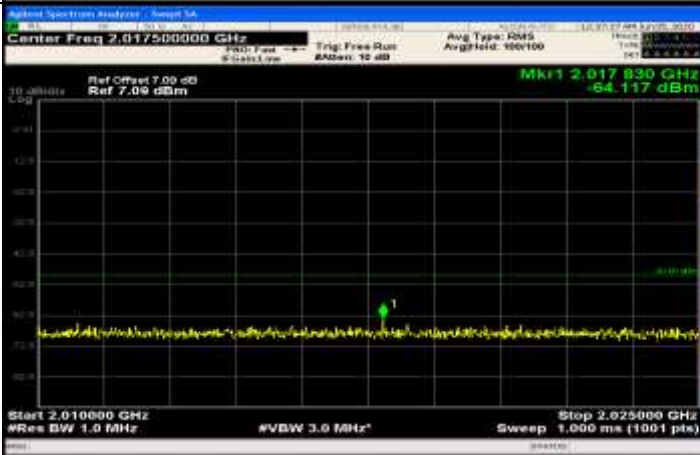
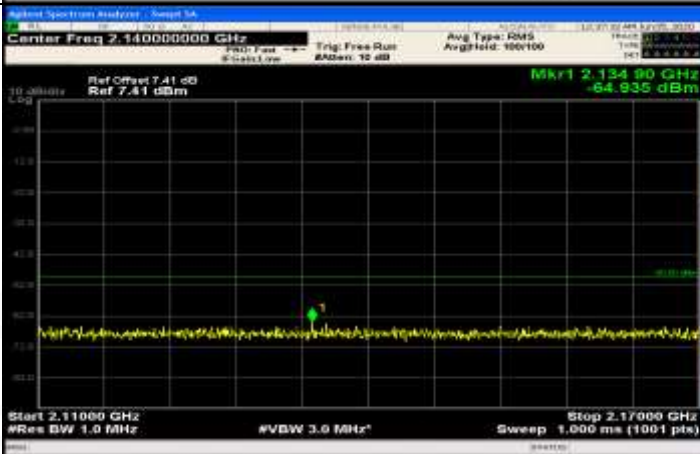
General	
General	
General	

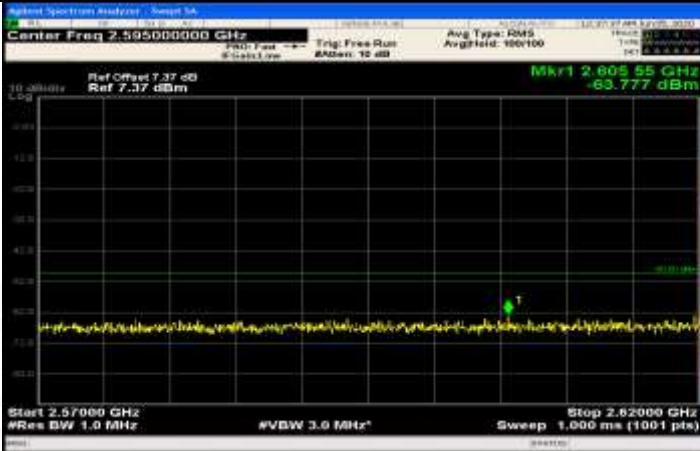
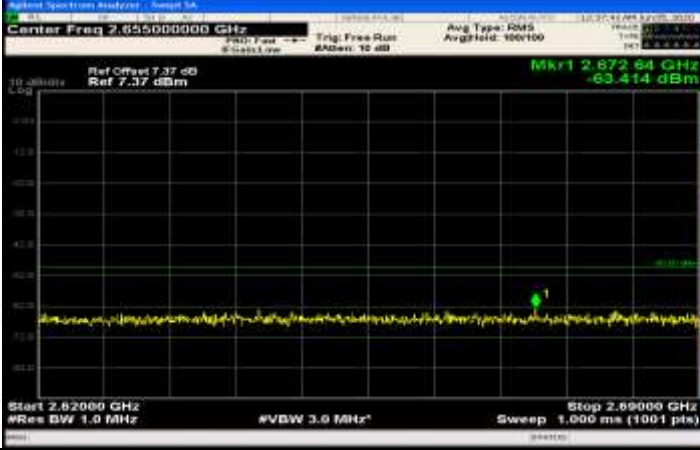

General	
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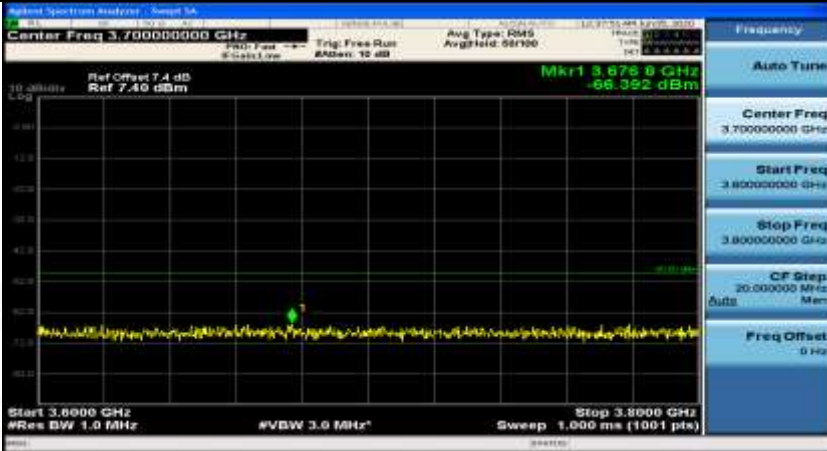


Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.45000000 GHz</p> <p>Stop Freq 3.55000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

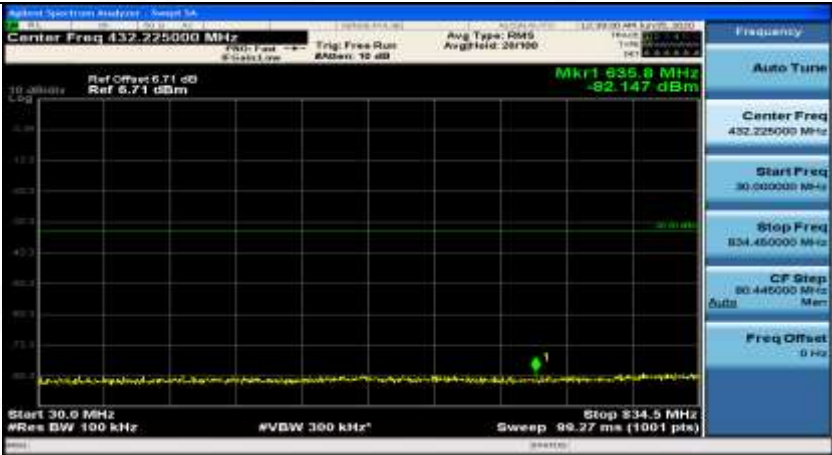
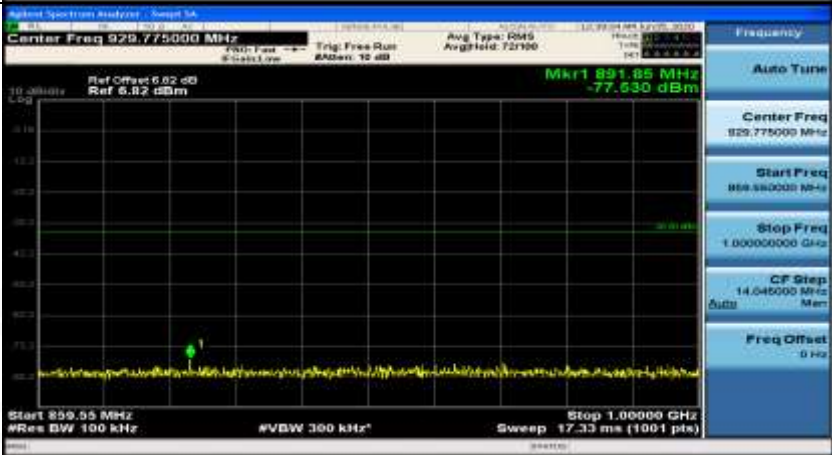

Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#max


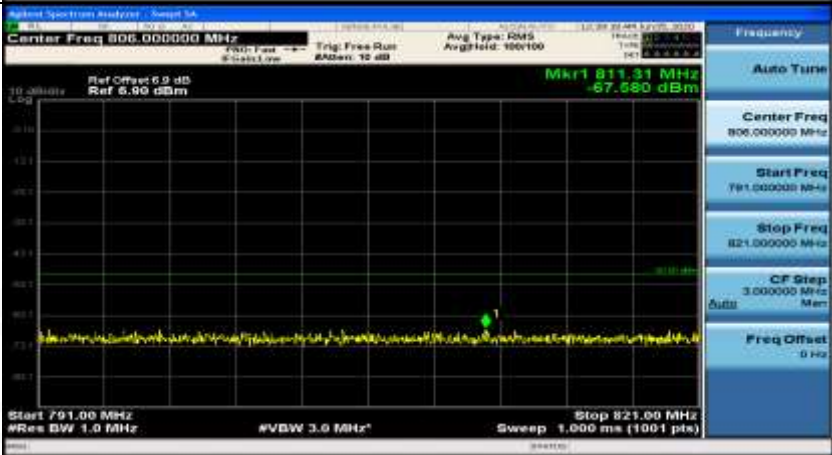
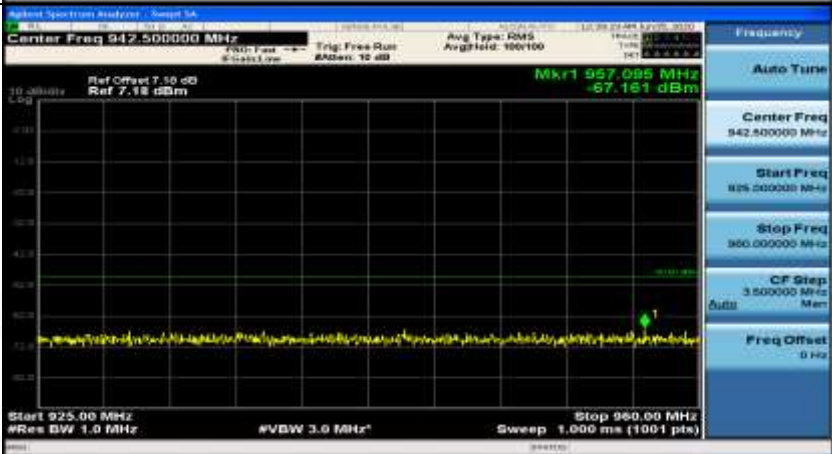
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General	

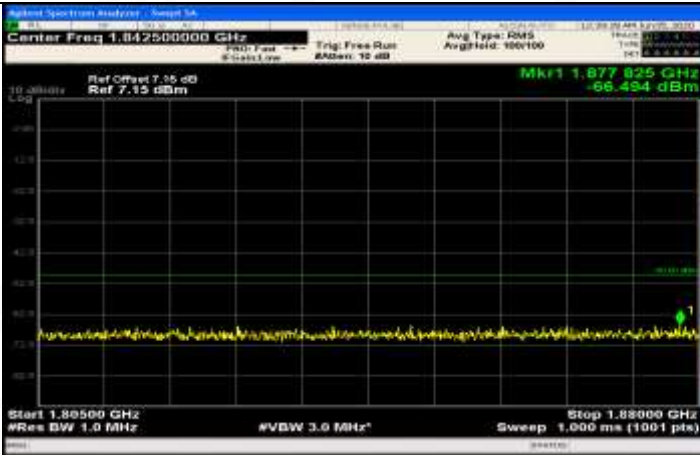
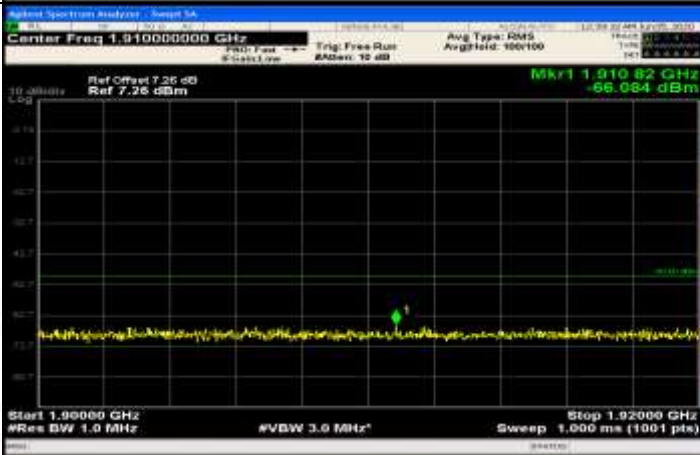
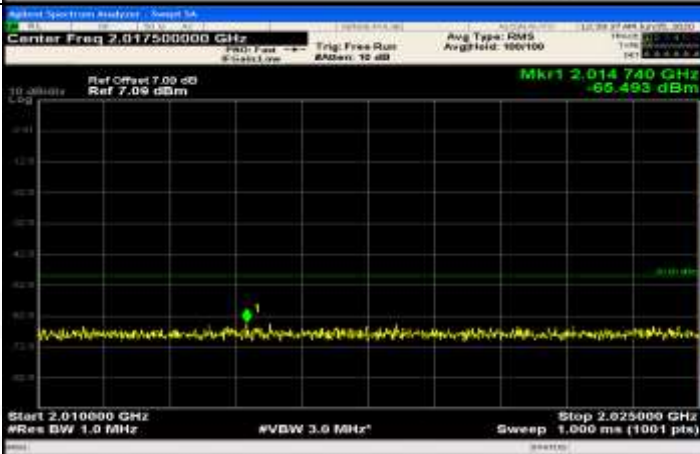




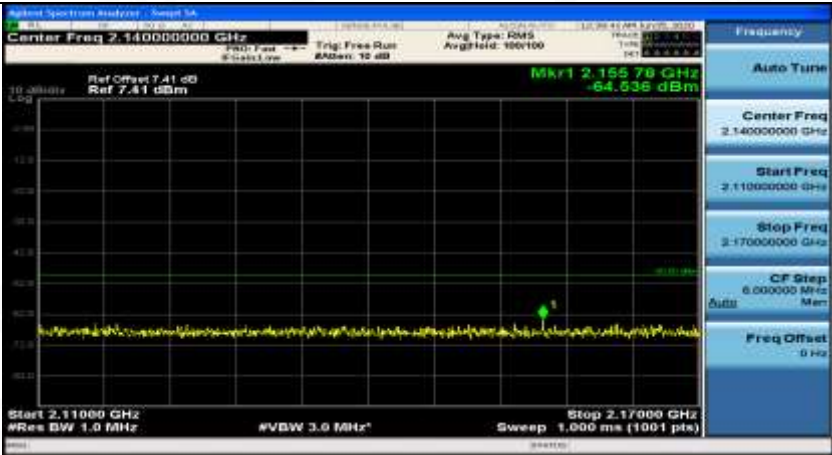
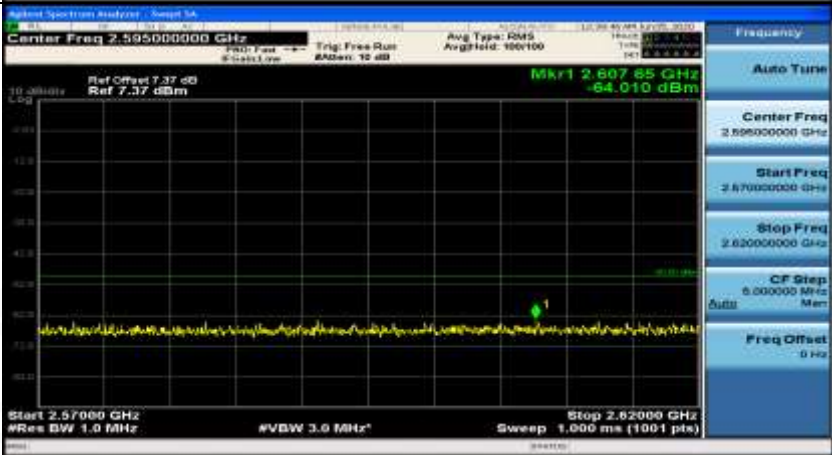
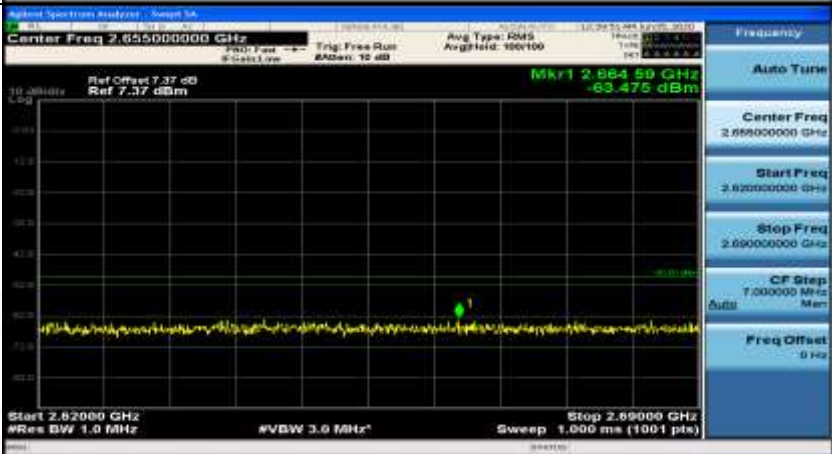
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 432.225000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 835.8 MHz -82.147 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 100 kHz Stop 834.5 MHz Sweep 98.27 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 829.775000 MHz Ref Offset 6.82 dB Ref 6.82 dBm Mkr1 891.85 MHz -77.530 dBm Start 829.55 MHz #Res BW 100 kHz #VBW 100 kHz Stop 1.00000 GHz Sweep 17.33 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 4.792 GHz -69.132 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p>

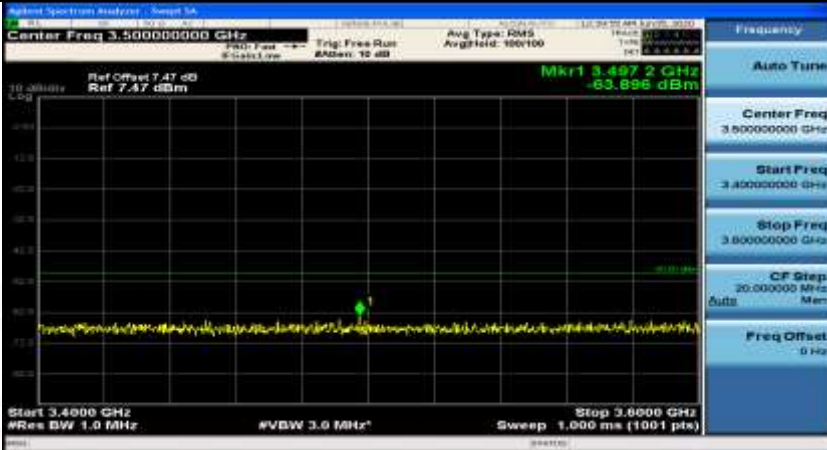
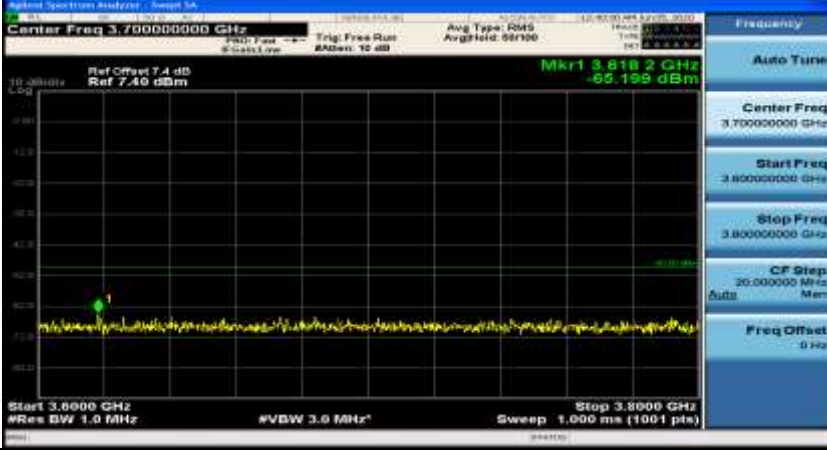


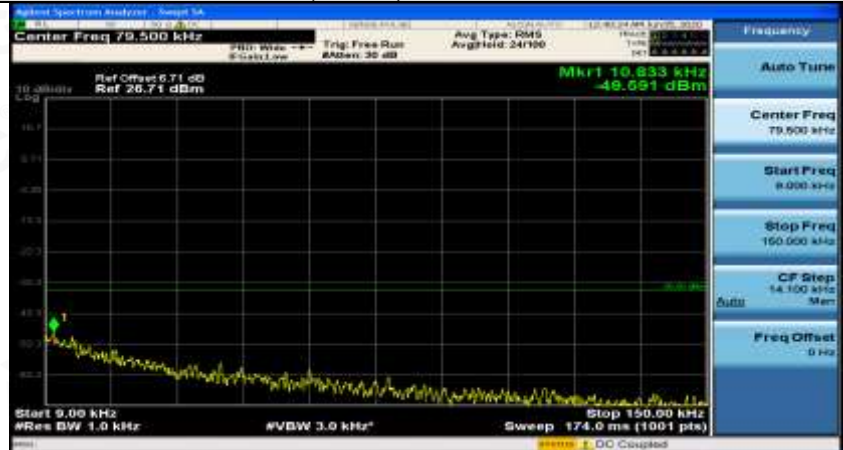
General	
Co-existence	
Co-existence	


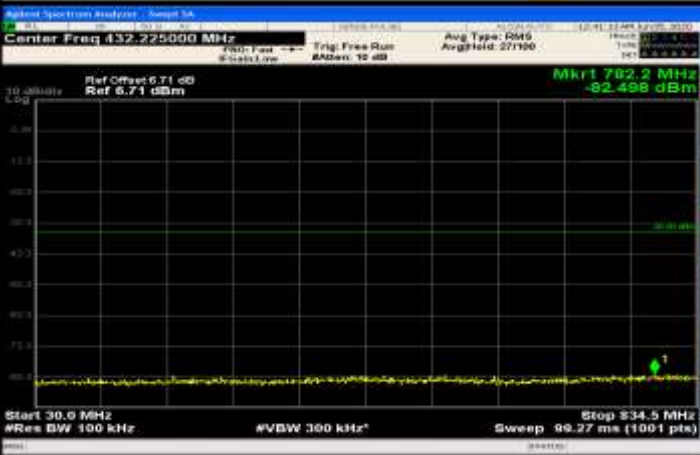
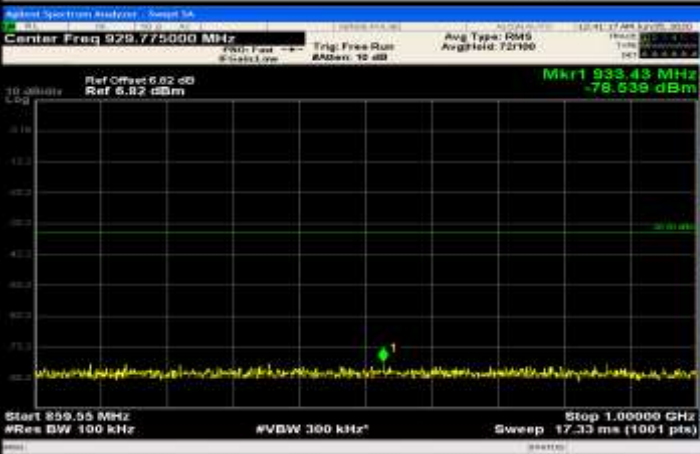
Co-existence	
Co-existence	
Co-existence	




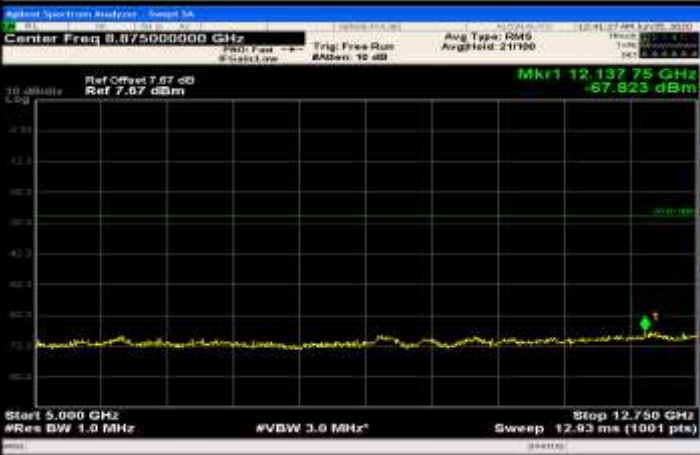
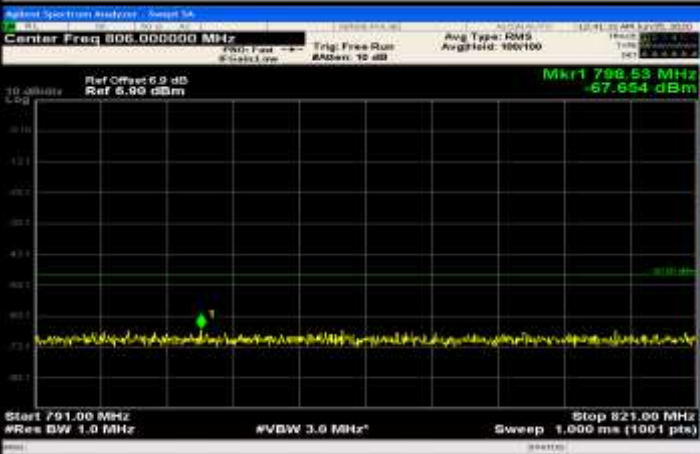
Co-existence	
Co-existence	
Co-existence	

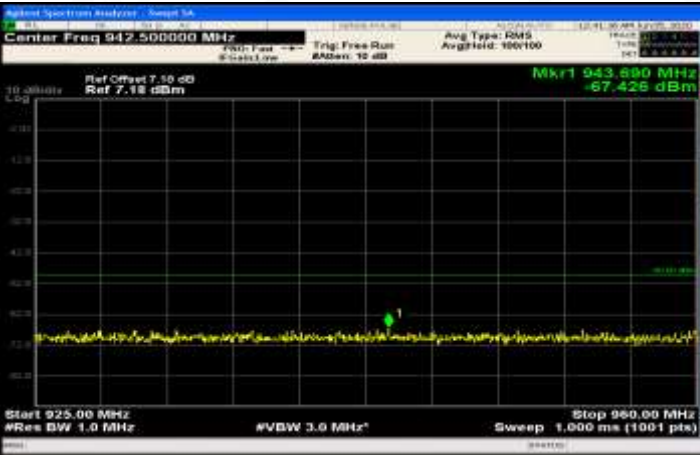
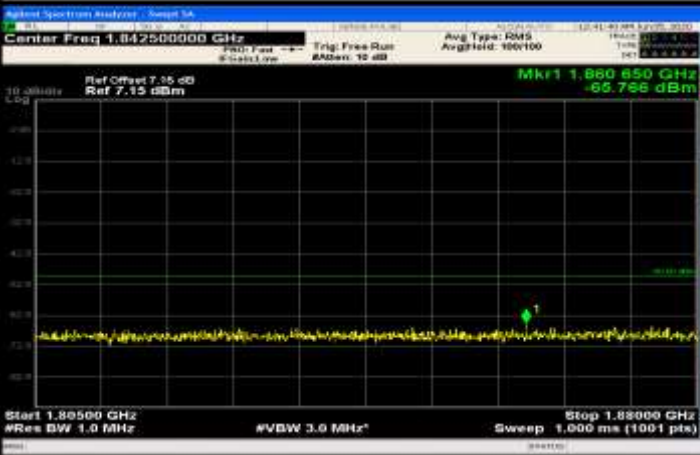
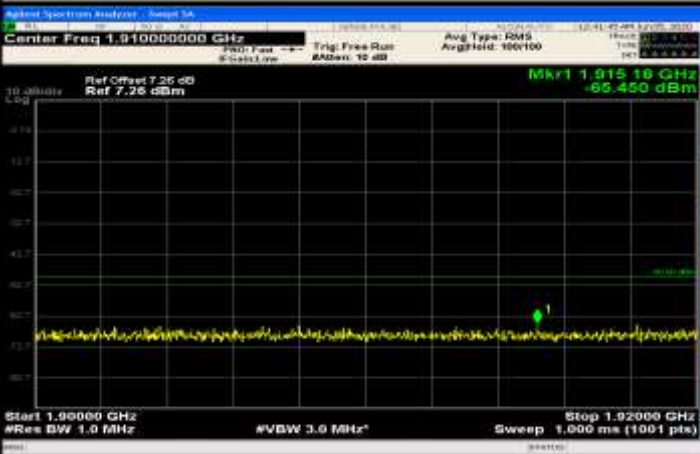
Co-existence	
Co-existence	
Additional	NA

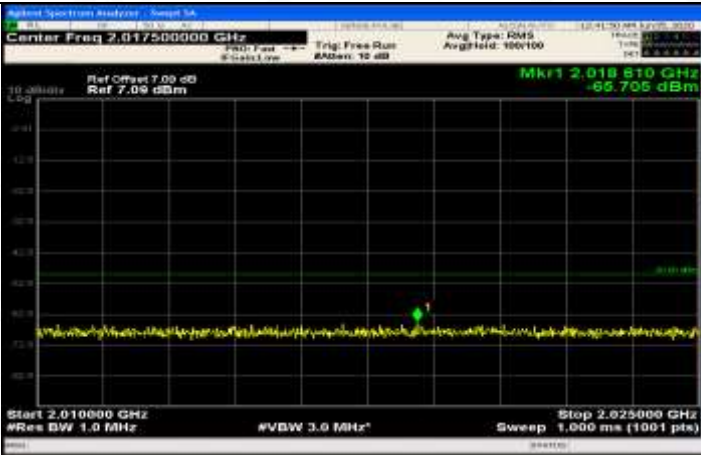
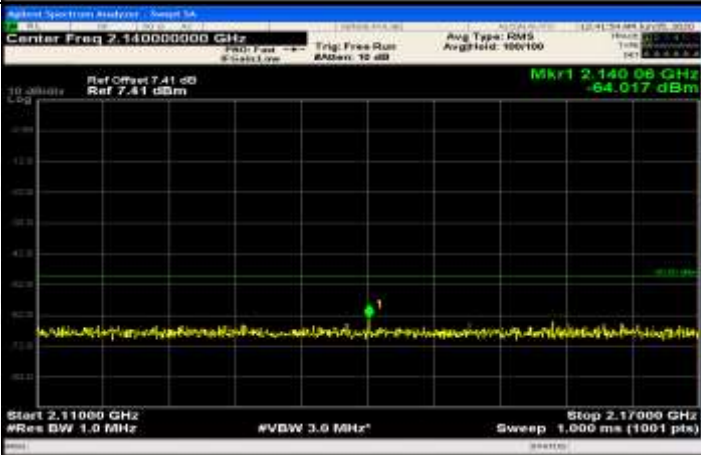
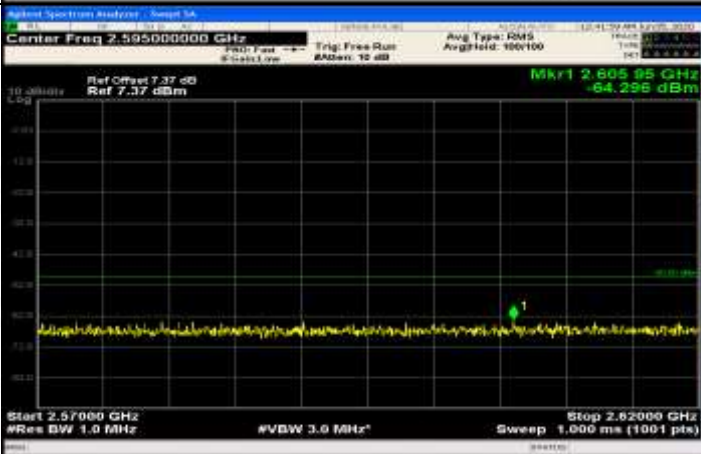
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.985000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 432.225000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 834.450000 MHz</p> <p>CF Step 80.445000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 929.775000 MHz</p> <p>Start Freq 859.550000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 14.045000 MHz</p> <p>Freq Offset 0 Hz</p>

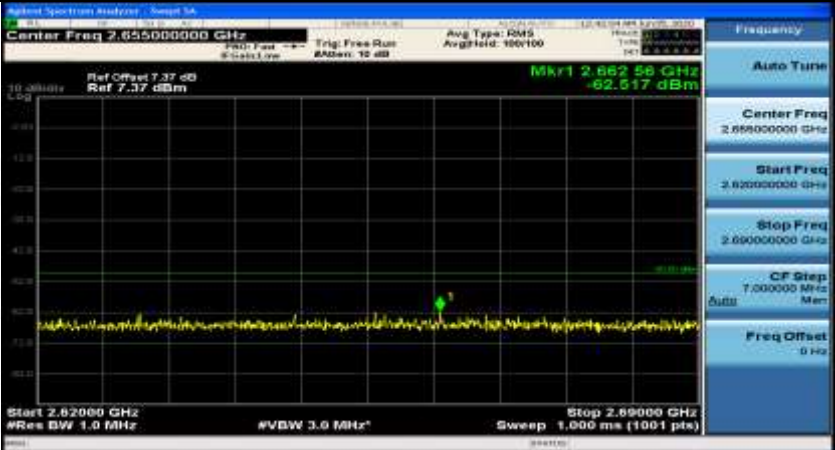
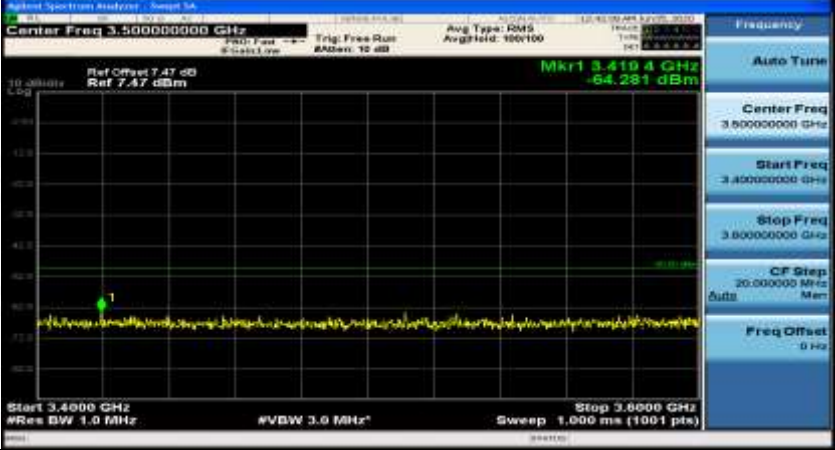
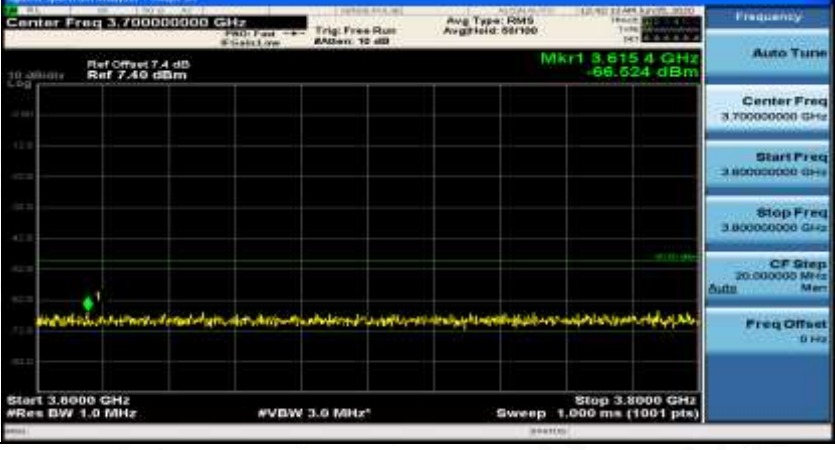


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.00000000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 400.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 5.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 821.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.835000000 GHz</p> <p>Stop Freq 1.890000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>

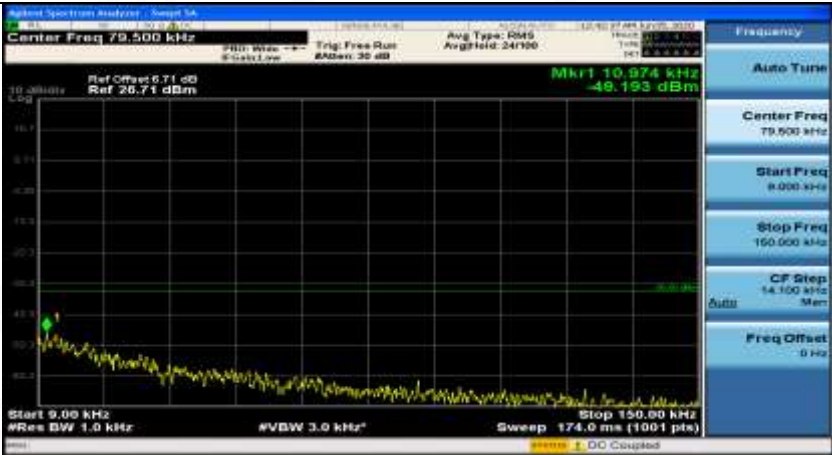

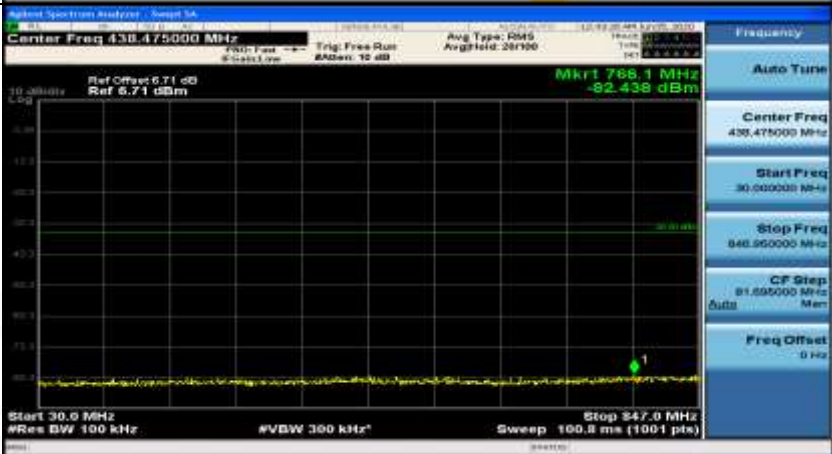
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

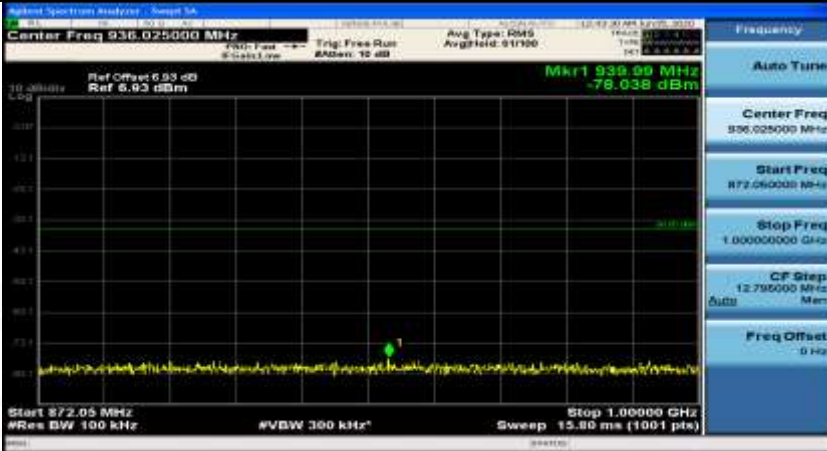




Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0

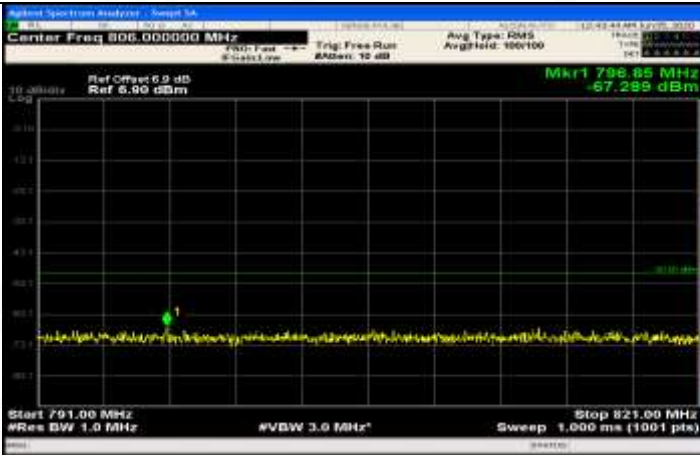
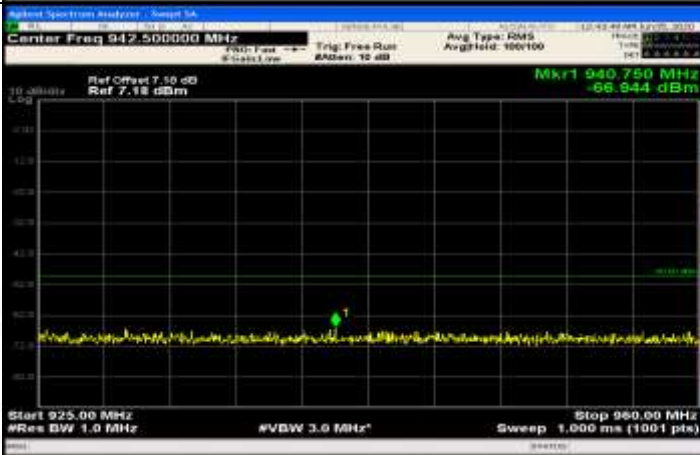
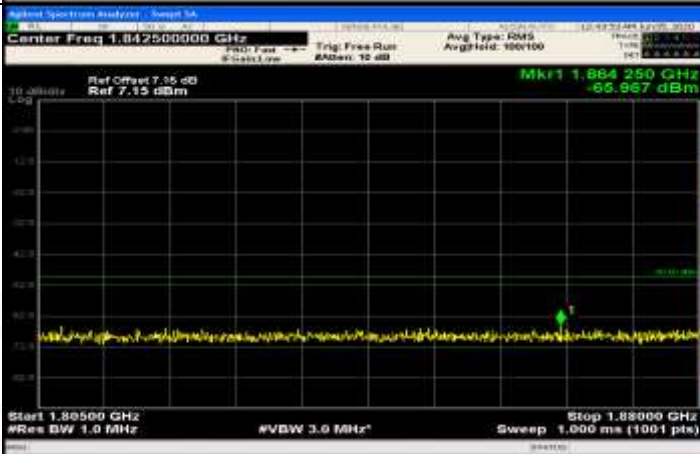


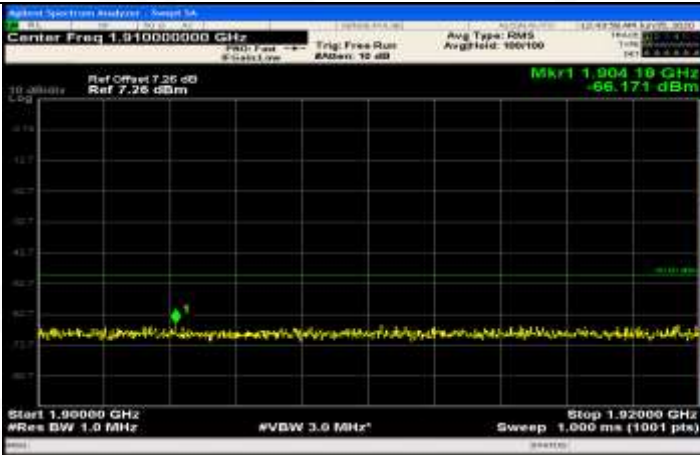
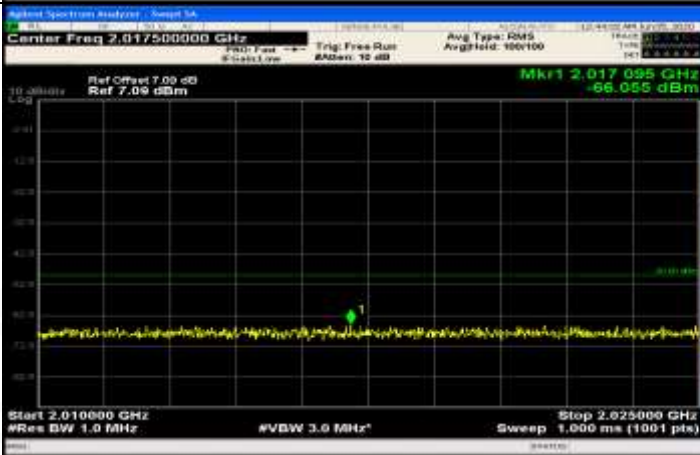
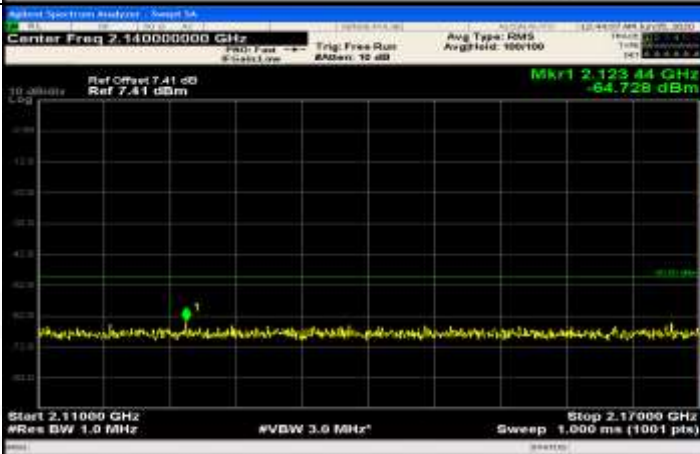
General	
General	
General	

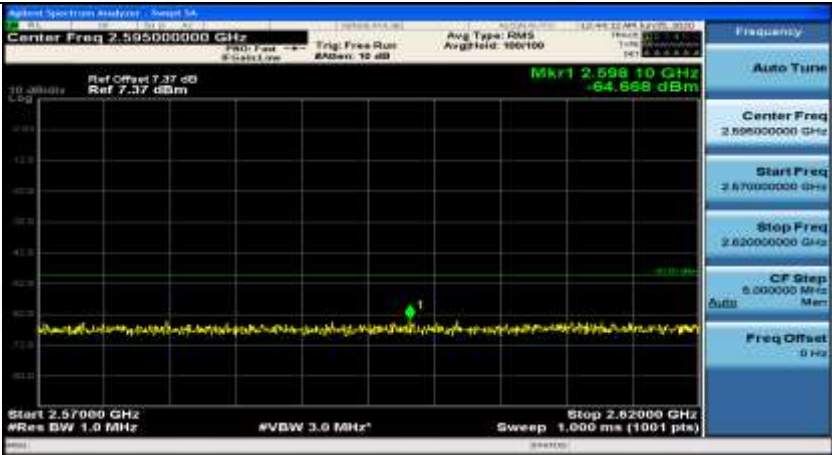
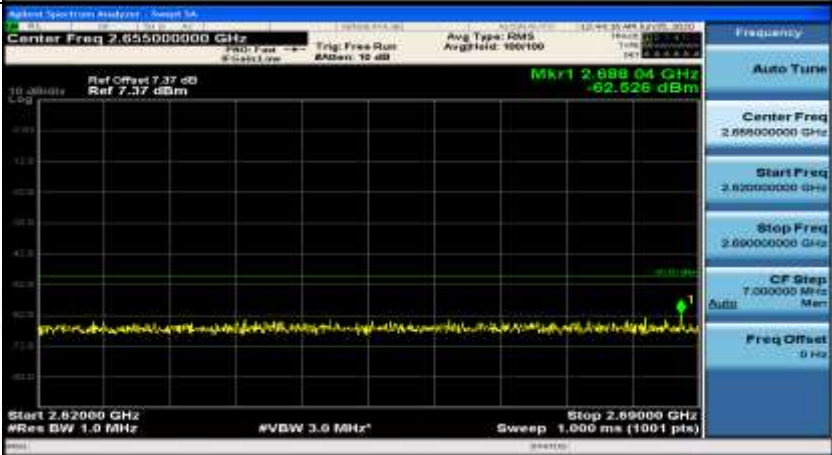
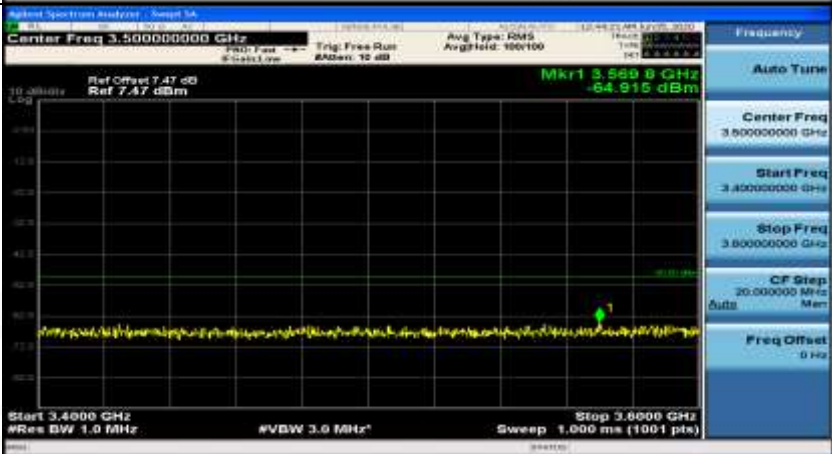
General	
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General	



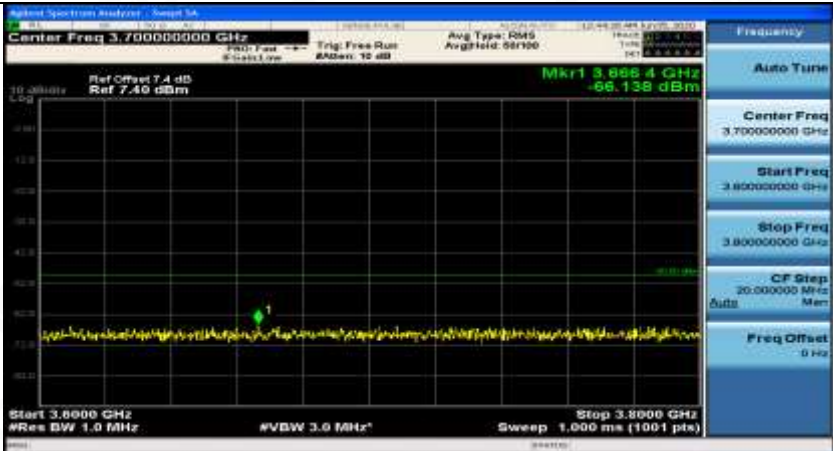


Co-existence	
Co-existence	
Co-existence	

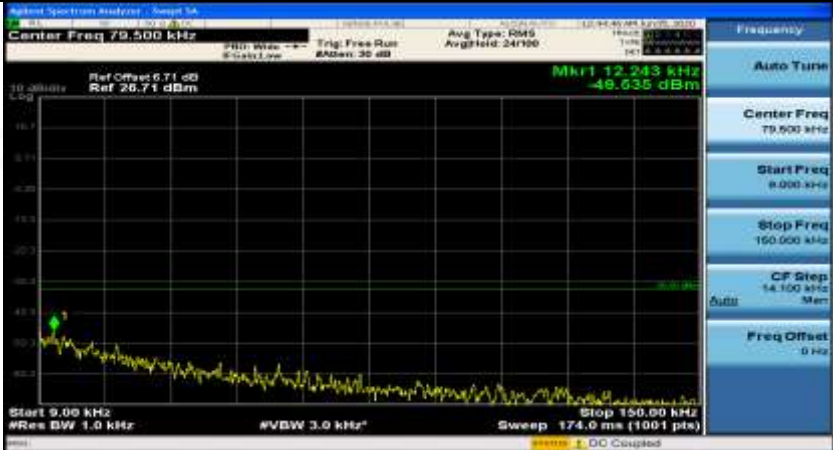
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Co-existence	
Co-existence	

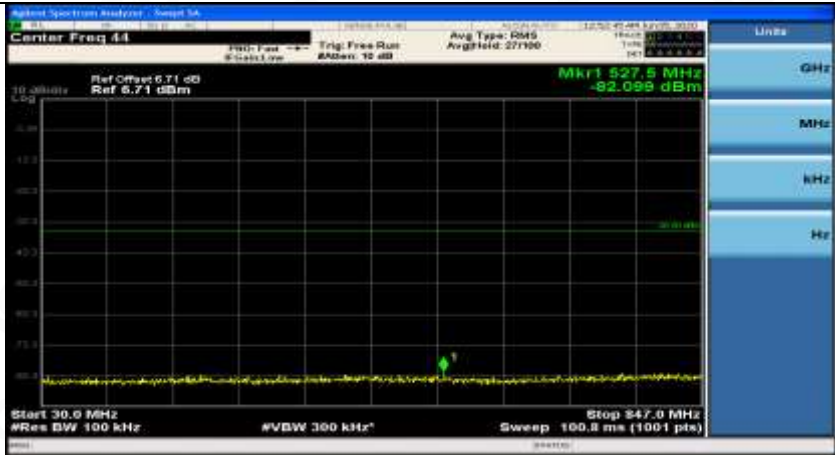
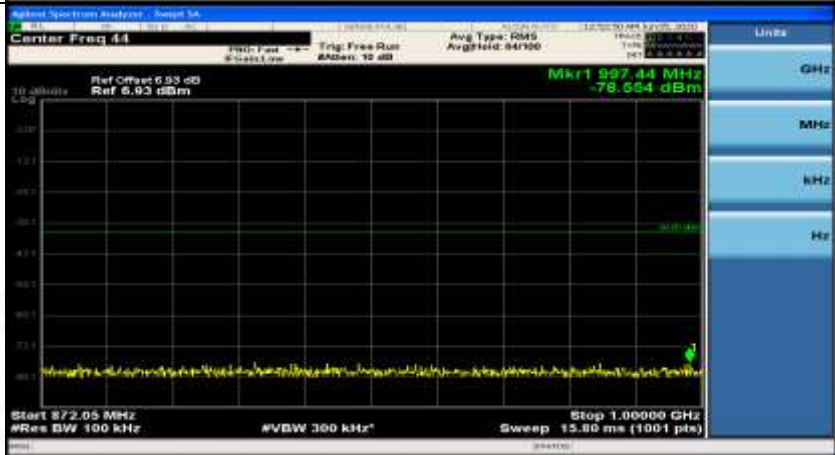
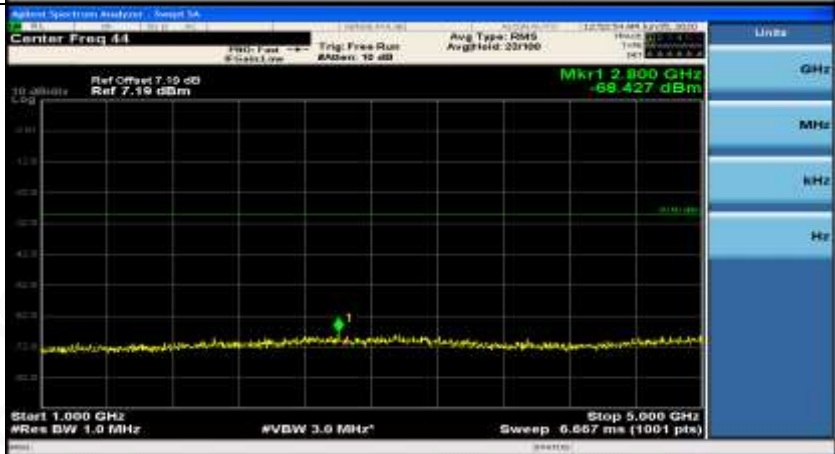



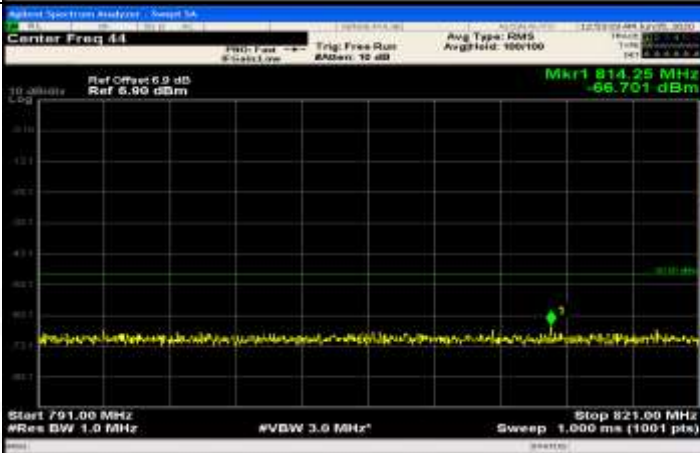

Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#max

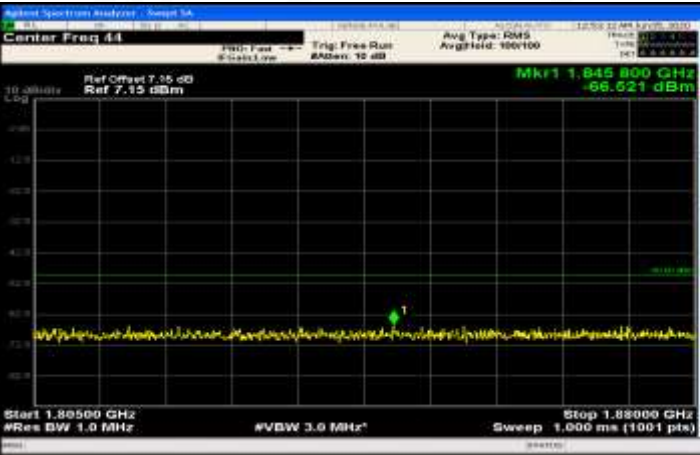
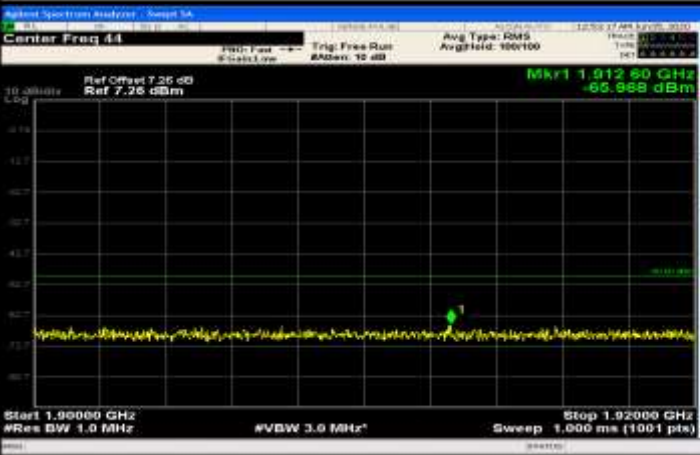
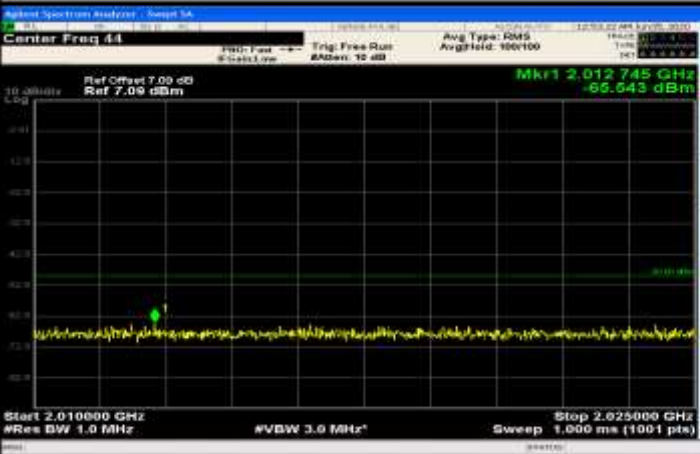
General	
General	

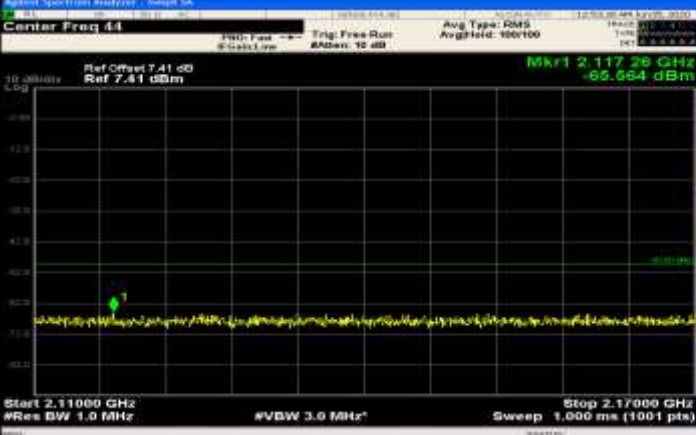
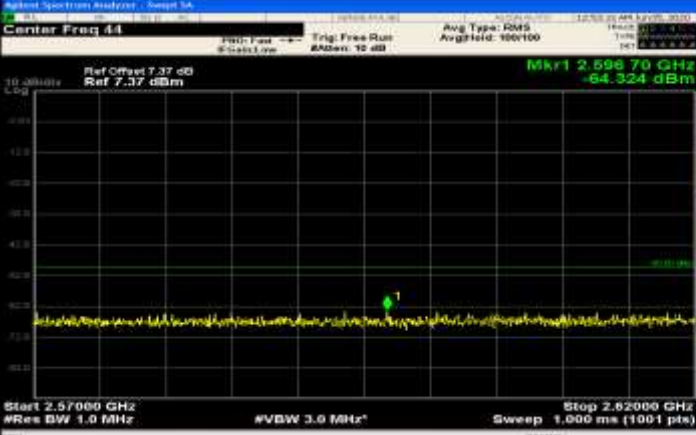



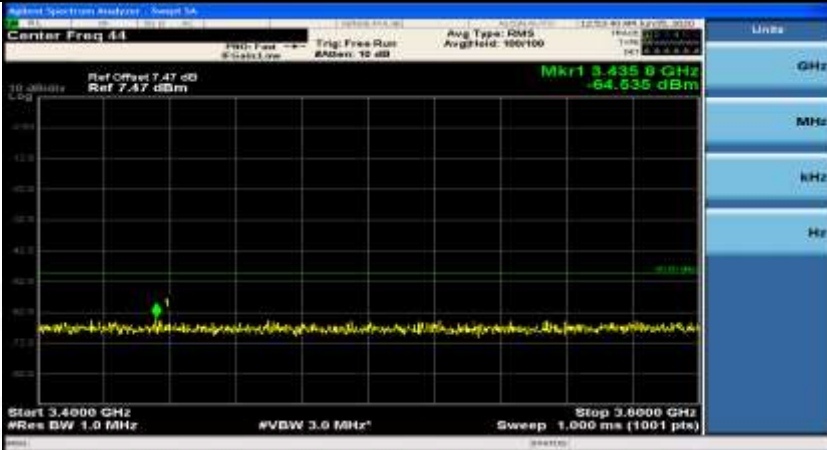
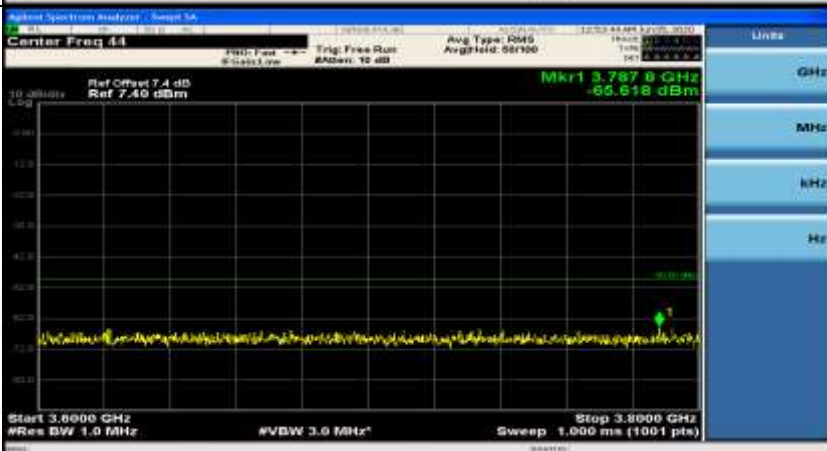
General		 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 44 Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 527.5 MHz -82.099 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 547.0 MHz Sweep 100.5 ms (1001 pts)</p>	<p>Units</p> <p>GHz</p> <p>MHz</p> <p>kHz</p> <p>Hz</p>
General		 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 44 Ref Offset 6.93 dB Ref 6.93 dBm Mkr1 997.44 MHz -78.554 dBm Start 872.05 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.00005 GHz Sweep 15.80 ms (1001 pts)</p>	<p>Units</p> <p>GHz</p> <p>MHz</p> <p>kHz</p> <p>Hz</p>
General		 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 44 Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 2.800 GHz -69.427 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.567 ms (1001 pts)</p>	<p>Units</p> <p>GHz</p> <p>MHz</p> <p>kHz</p> <p>Hz</p>

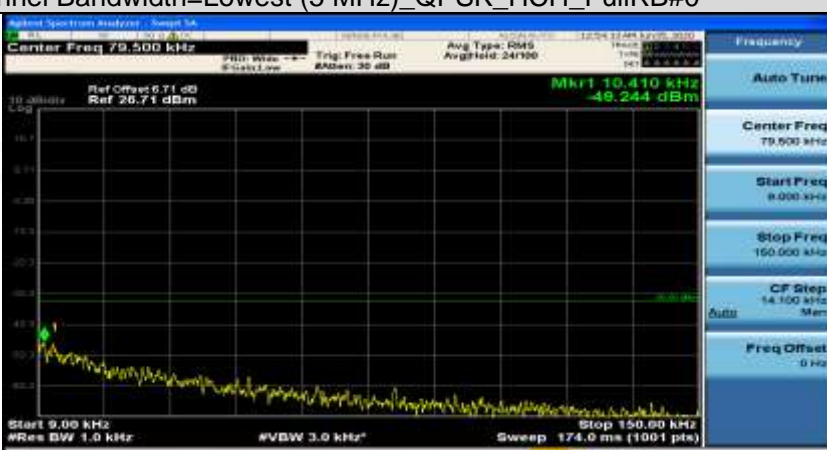
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 44 Ref Offset 7.57 dB Ref 7.57 dBm Mkr1 12.145 50 GHz -67.631 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 44 Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 814.25 MHz -66.701 dBm Start 791.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 44 Ref Offset 7.50 dB Ref 7.15 dBm Mkr1 948.530 MHz -67.157 dBm Start 925.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>



Co-existence			<div>Units</div> <div>GHz</div> <div>MHz</div> <div>kHz</div> <div>Hz</div>
Co-existence			<div>Units</div> <div>GHz</div> <div>MHz</div> <div>kHz</div> <div>Hz</div>
Co-existence			<div>Units</div> <div>GHz</div> <div>MHz</div> <div>kHz</div> <div>Hz</div>


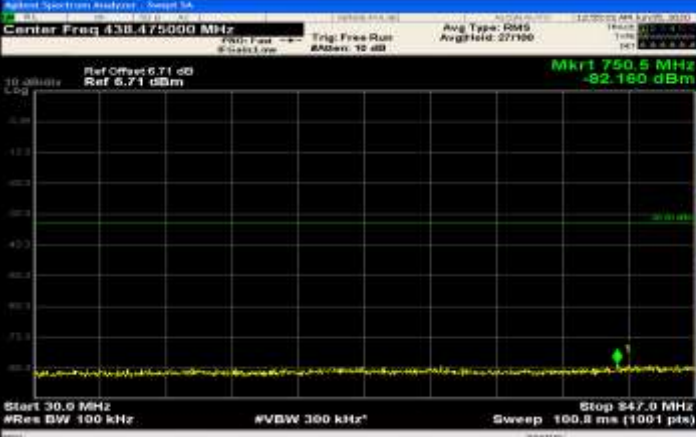
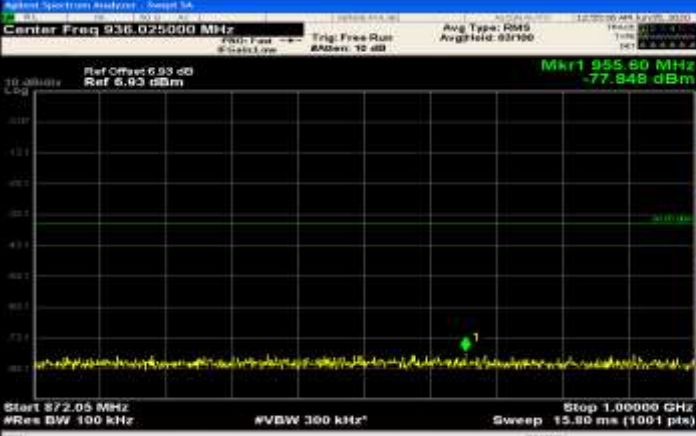
Co-existence		 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 44 Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.11728 GHz -66.664 dBm Start 2.11000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.17000 GHz Sweep 1.000 ms (1001 pts)</p>	<div>Units</div> <div>GHz</div> <div>MHz</div> <div>kHz</div> <div>Hz</div>
Co-existence		 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 44 Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.59870 GHz -64.324 dBm Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>	<div>Units</div> <div>GHz</div> <div>MHz</div> <div>kHz</div> <div>Hz</div>
Co-existence		 <p>Agilent Spectrum Analyzer - Sweep 5A Center Freq 44 Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.64023 GHz -63.790 dBm Start 2.62000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.66000 GHz Sweep 1.000 ms (1001 pts)</p>	<div>Units</div> <div>GHz</div> <div>MHz</div> <div>kHz</div> <div>Hz</div>

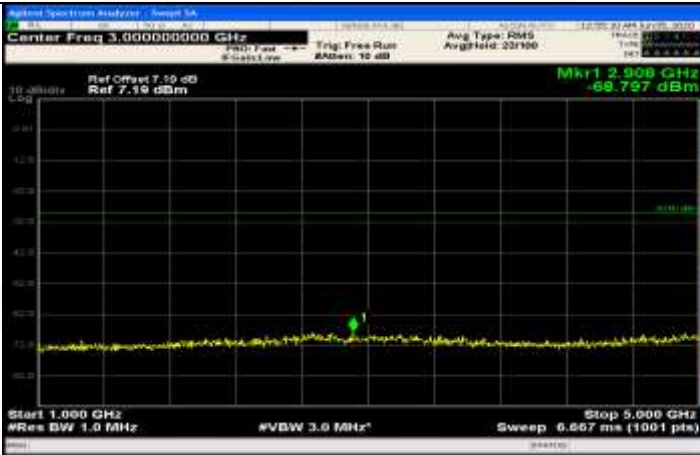

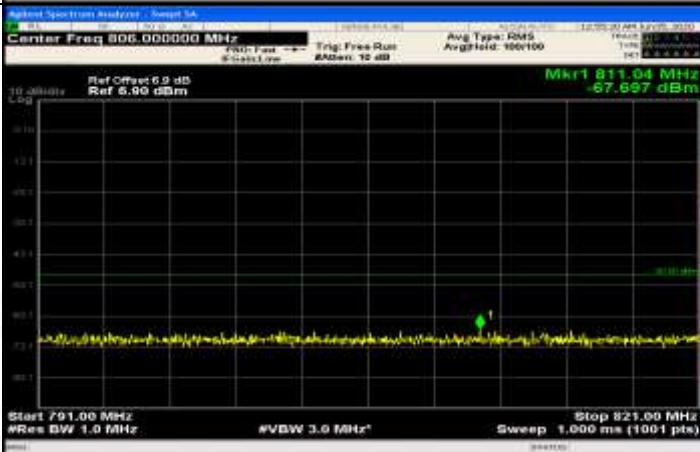
Co-existence		Units GHz MHz kHz Hz
Co-existence		Units GHz MHz kHz Hz
Additional	NA	

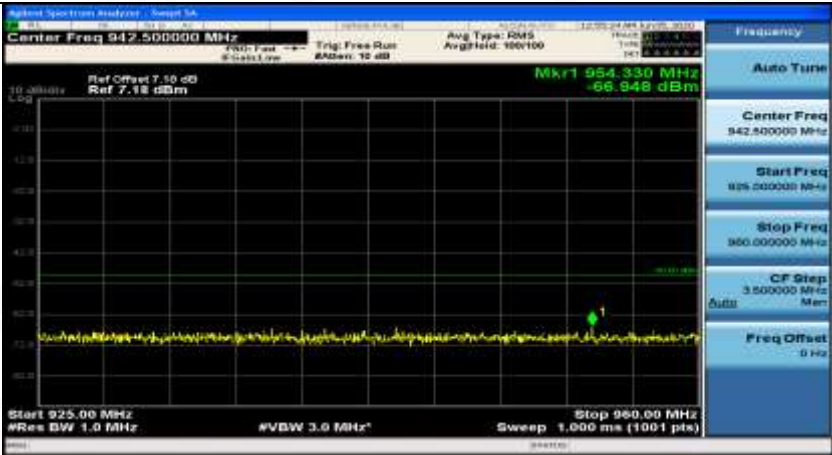
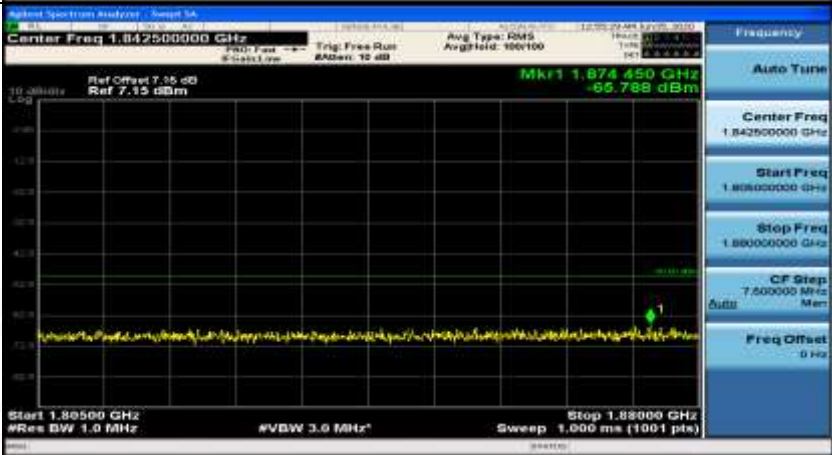
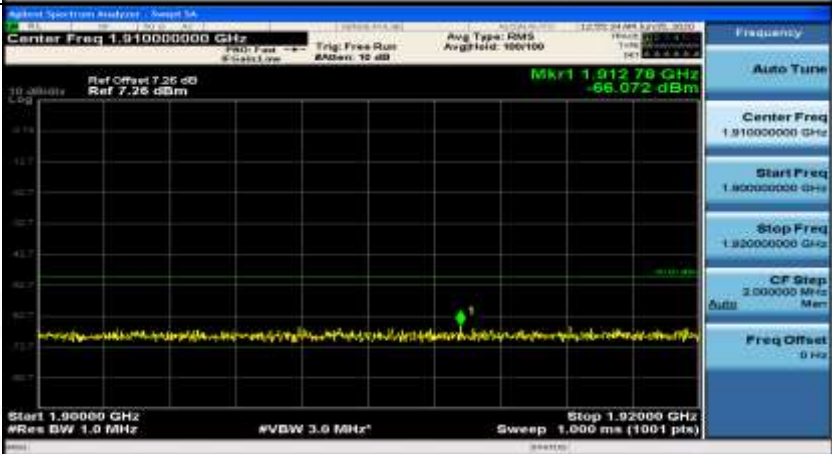
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0		
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 8.000 kHz Stop Freq 150.000 kHz CF Step 14.100 kHz Mem Freq Offset 0 Hz



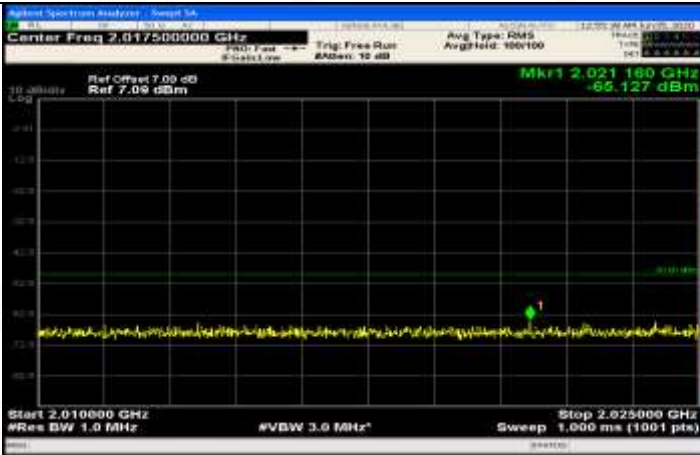
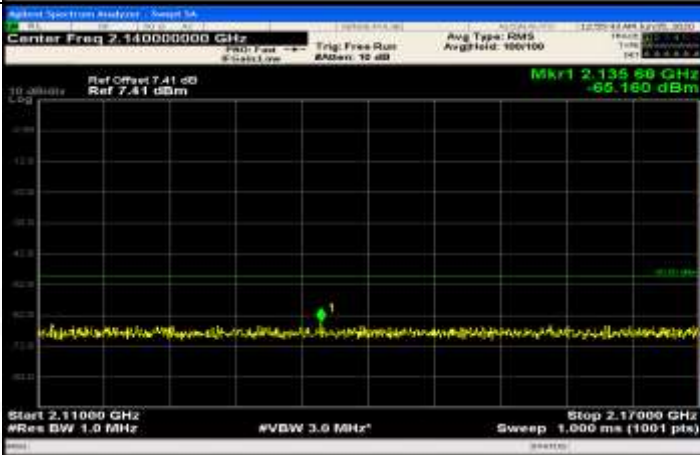
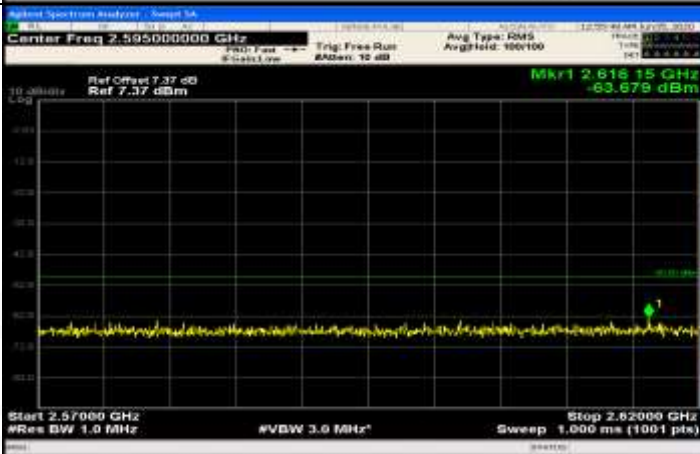


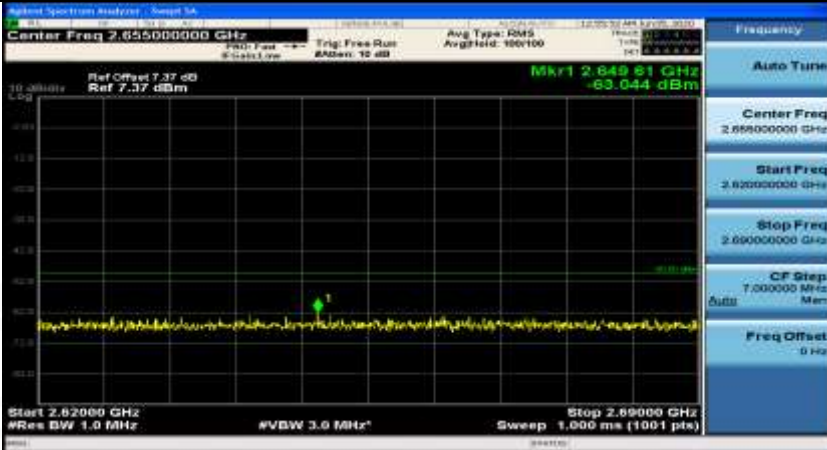
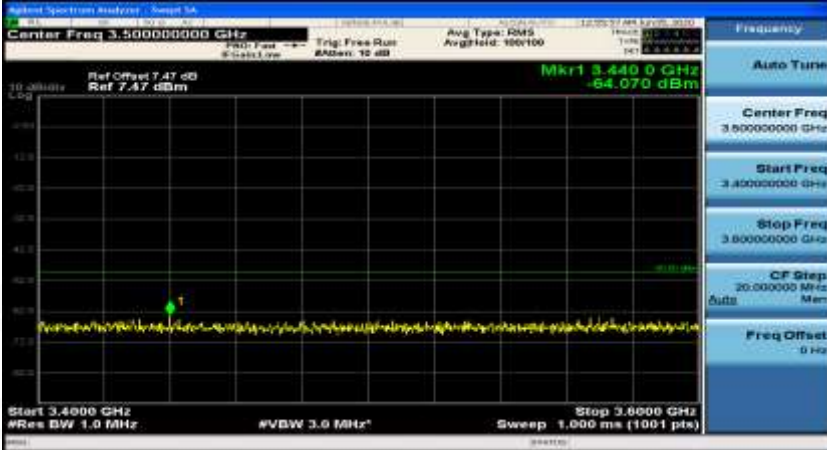
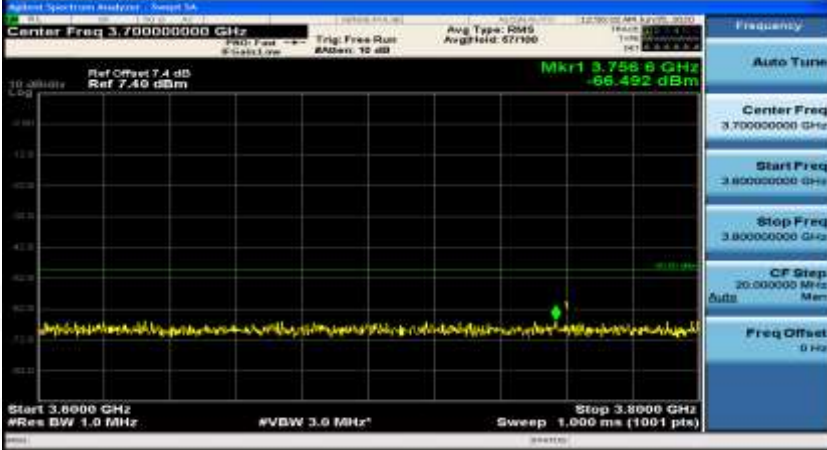
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 438.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 846.000000 MHz</p> <p>CF Step 81.695000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 936.025000 MHz</p> <p>Start Freq 872.000000 MHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 12.795000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

General	
General	
Co-existence	



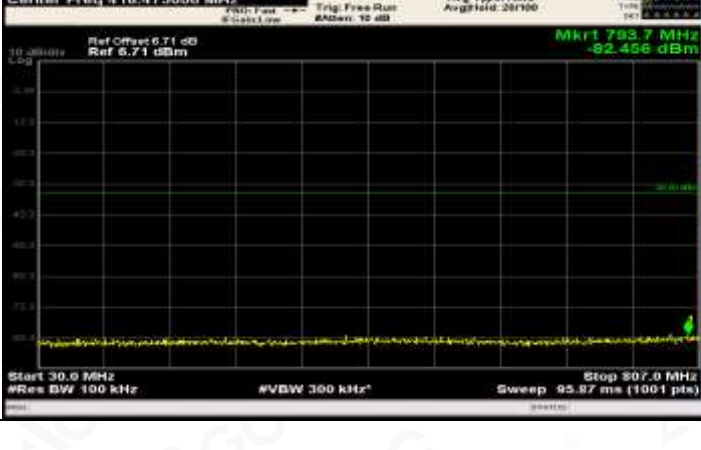
Co-existence	
Co-existence	
Co-existence	



Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.021160 GHz -65.127 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.13560 GHz -65.160 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.595000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.61615 GHz -63.679 dBm Start 2.570000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.620000 GHz Sweep 1.000 ms (1001 pts)</p>

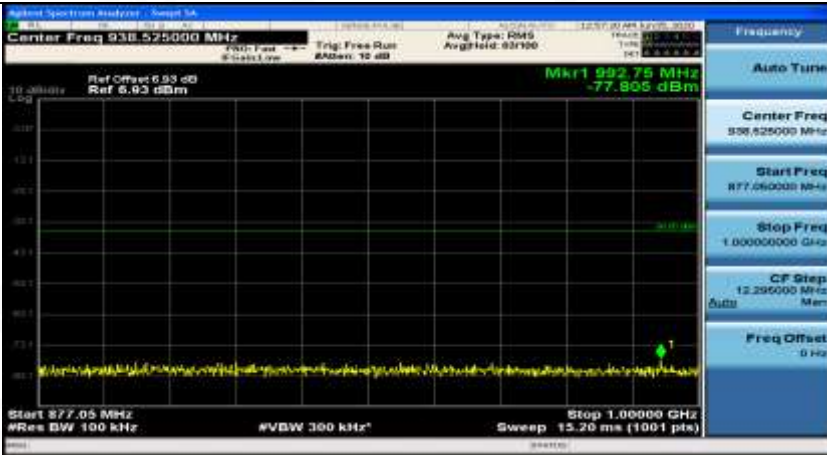


Co-existence	
Co-existence	
Co-existence	
Additional	NA

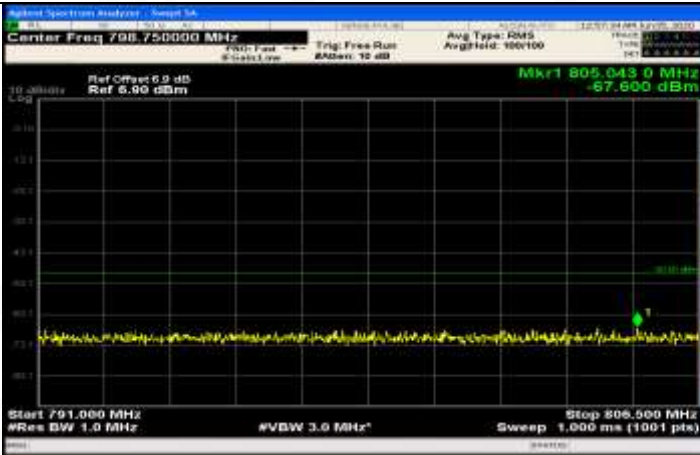
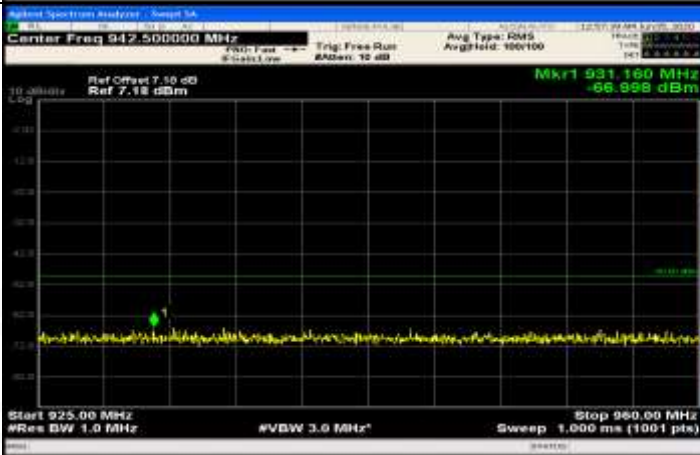
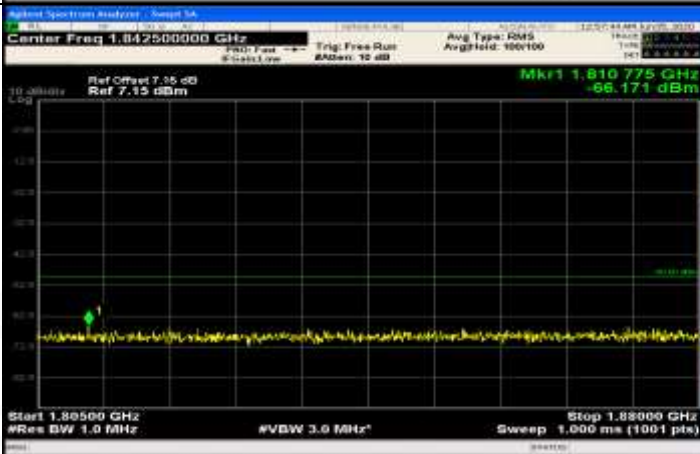
Channel Bandwidth= (20 MHz)

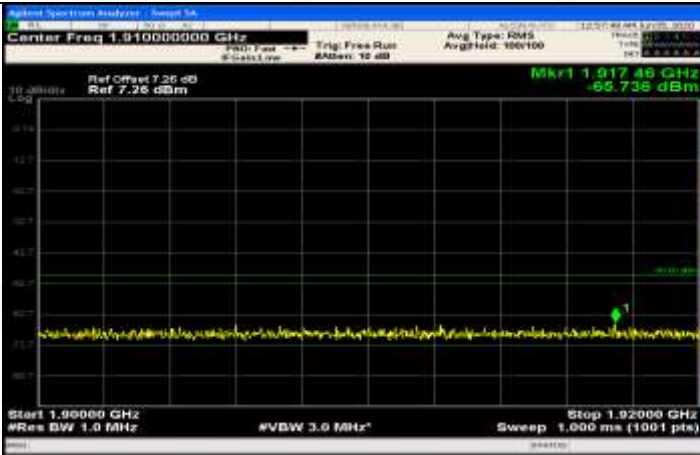
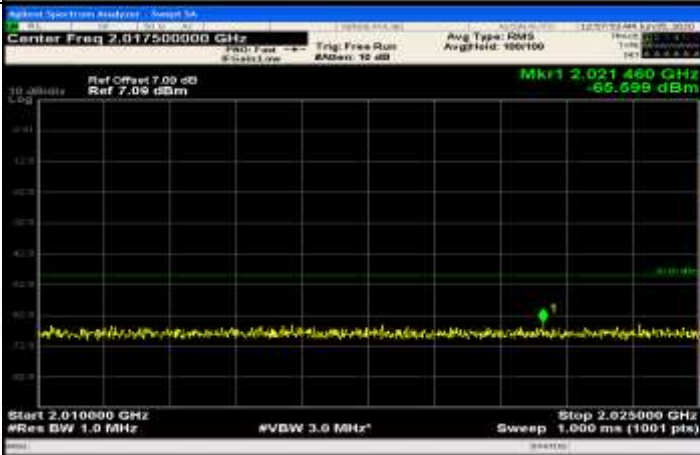
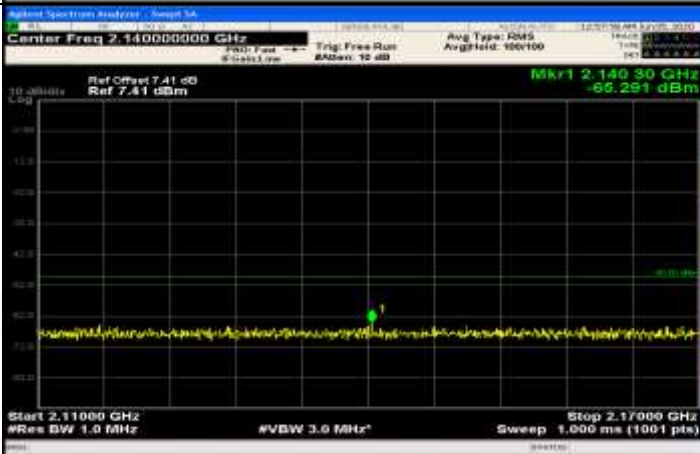
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0		
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 418.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 806.950000 MHz</p> <p>CF Step 77.295000 MHz</p> <p>Auto</p> <p>Freq Offset 0 Hz</p>



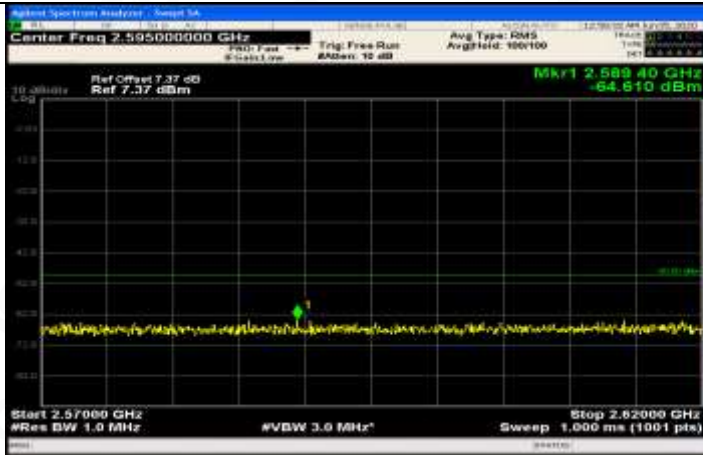
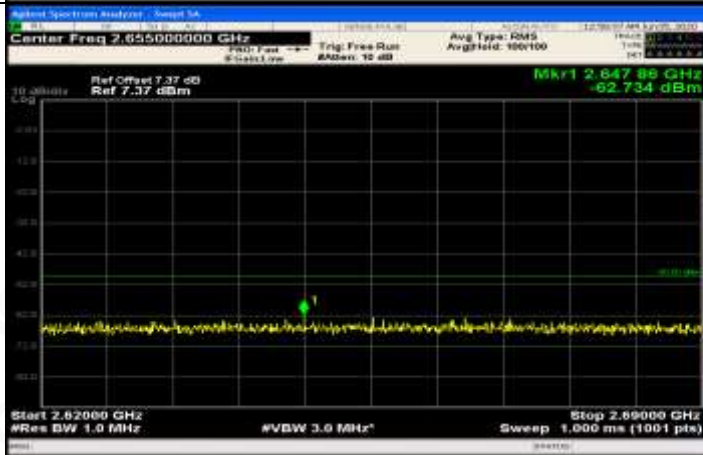
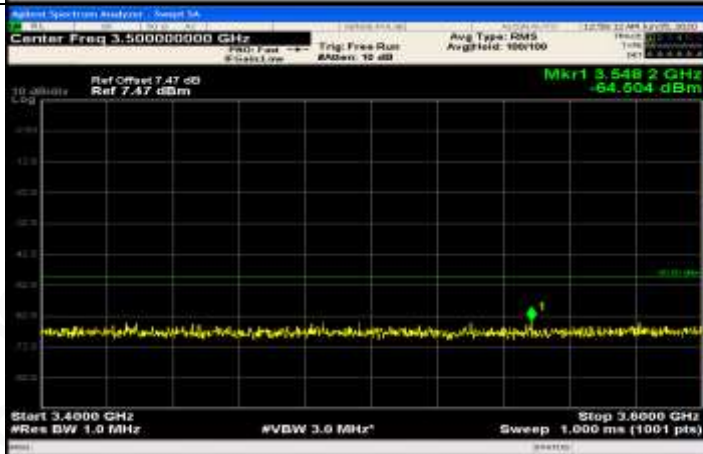


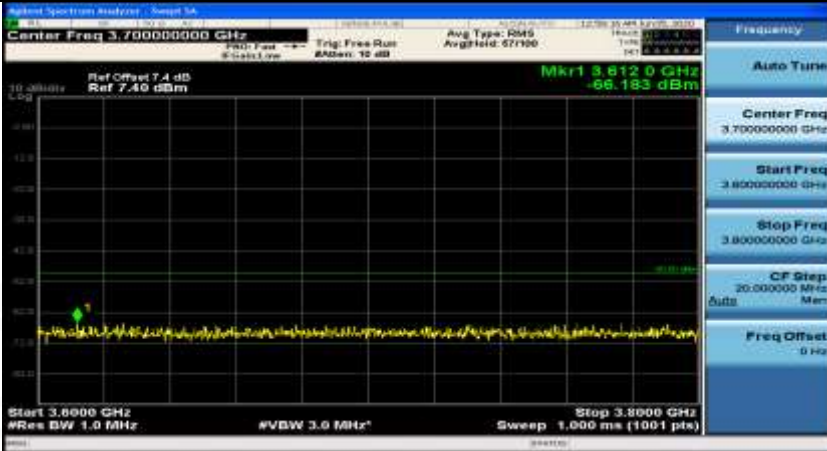
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 938.525000 MHz Ref Offset 6.93 dB Ref 6.93 dBm Mkr1 992.75 MHz -77.905 dBm Start 877.05 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.00000 GHz Sweep 15.20 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 3.116 GHz -68.777 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.875000000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.215 25 GHz -67.991 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>

Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 798.750000 MHz Ref Offset 6.9 dB Ref 6.90 dBm Mkr1 805.0430 MHz -67.600 dBm Start 791.000 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 806.500 MHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 942.500000 MHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 931.160 MHz -68.998 dBm Start 925.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 950.00 MHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.84250000 GHz Ref Offset 7.35 dB Ref 7.15 dBm Mkr1 1.810775 GHz -66.171 dBm Start 1.80500 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.85000 GHz Sweep 1.000 ms (1001 pts)</p>

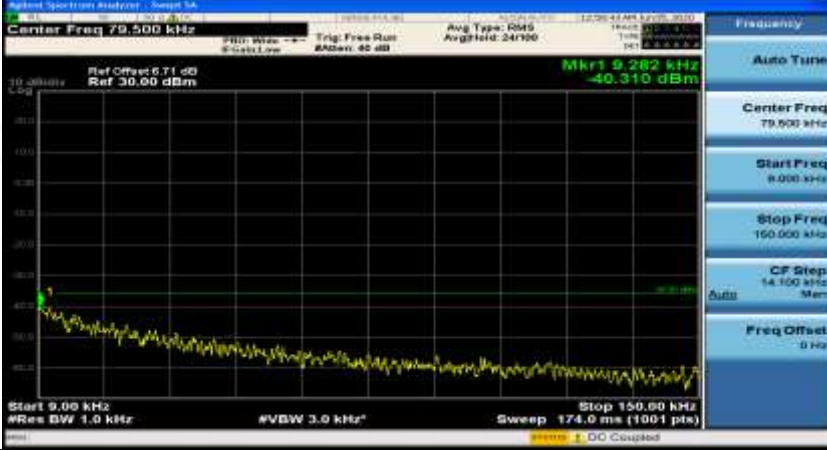
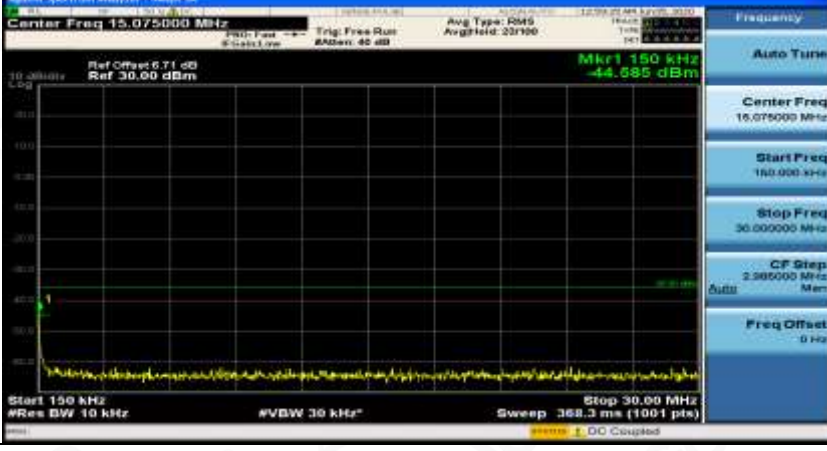
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>



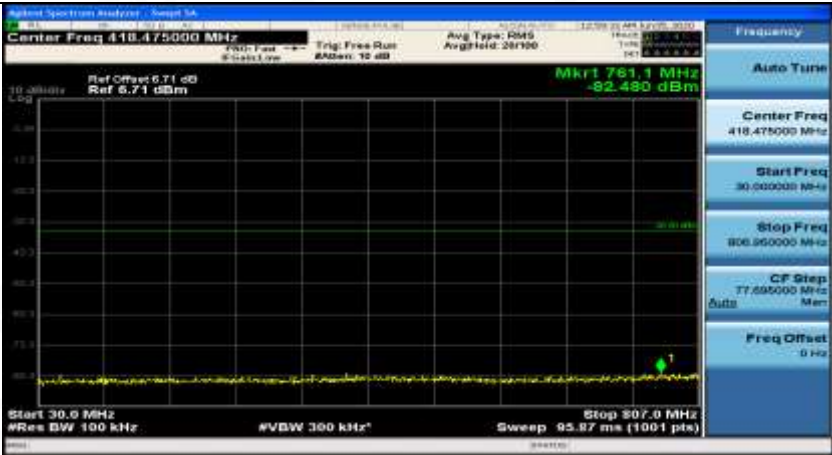
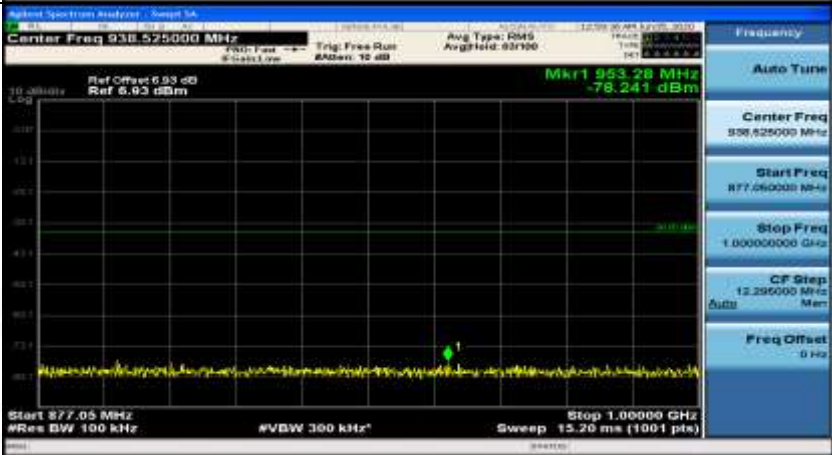

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.40000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence	
Additional	NA


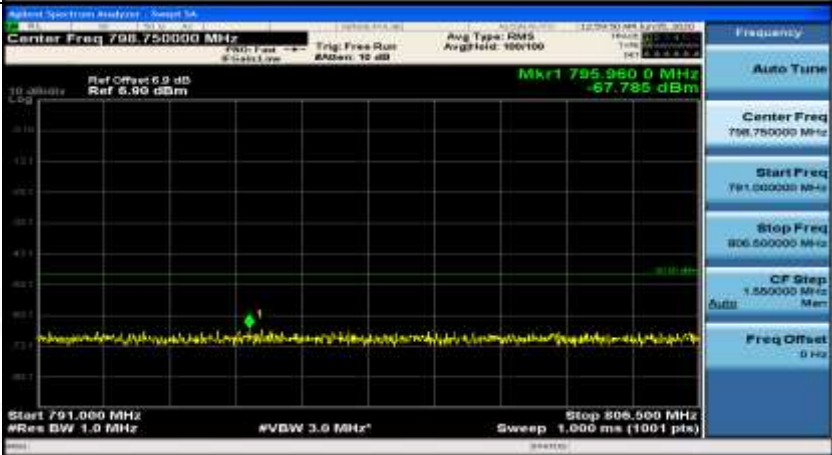
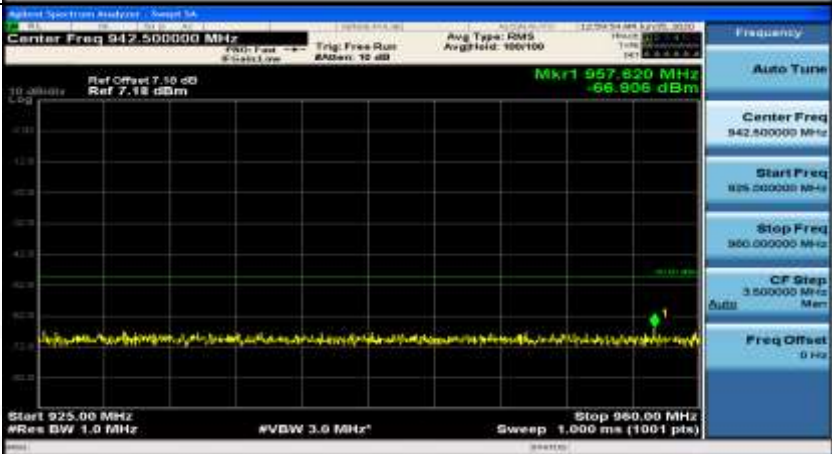
Channel Bandwidth=Highest (#BWH MHz)\_QPSK\_LCH\_1RB#max

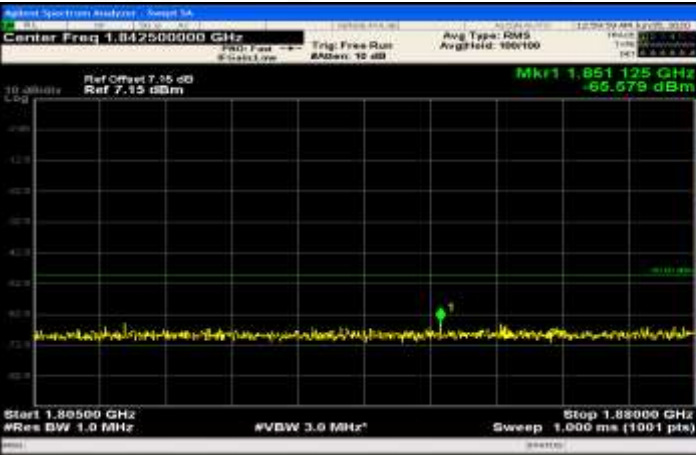
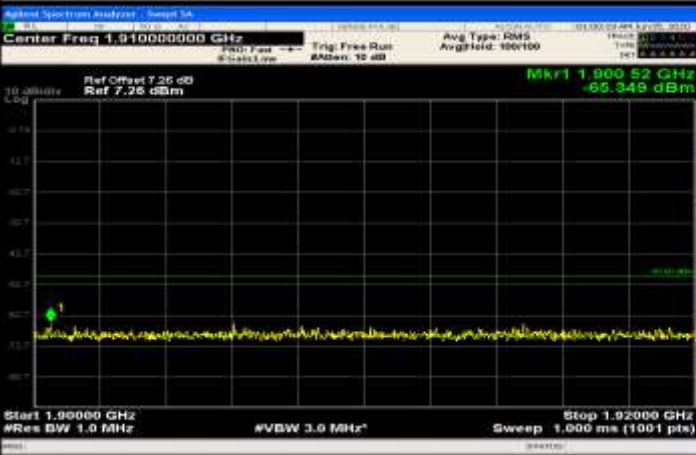
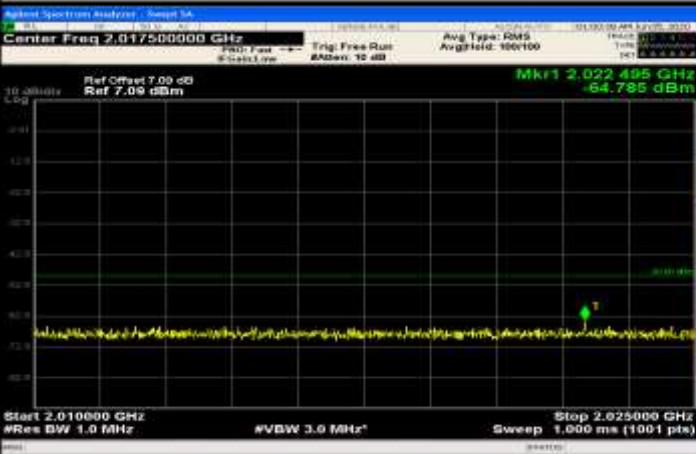
General	
General	

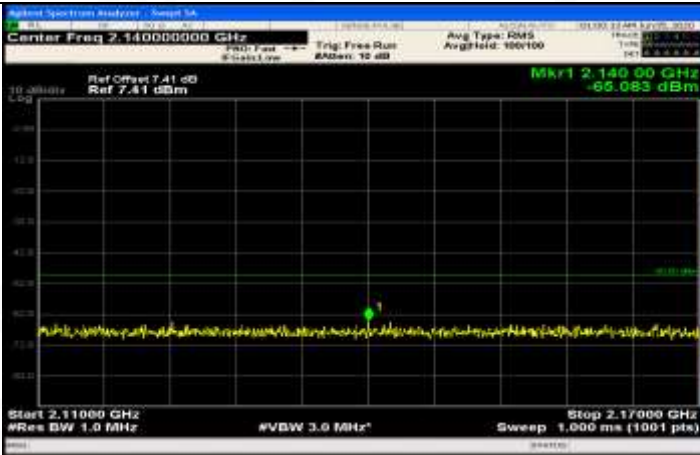
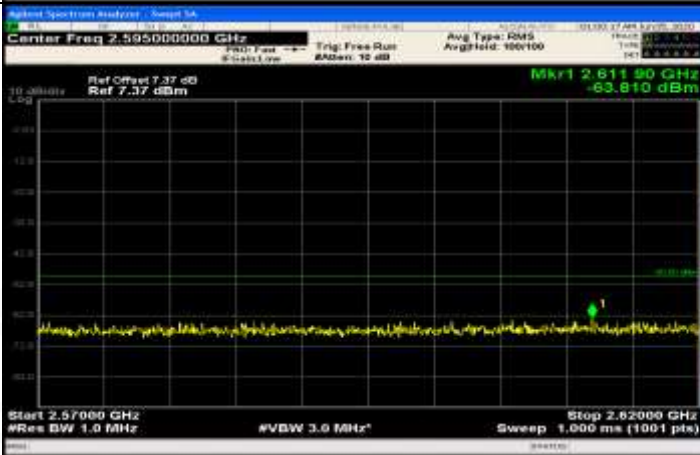
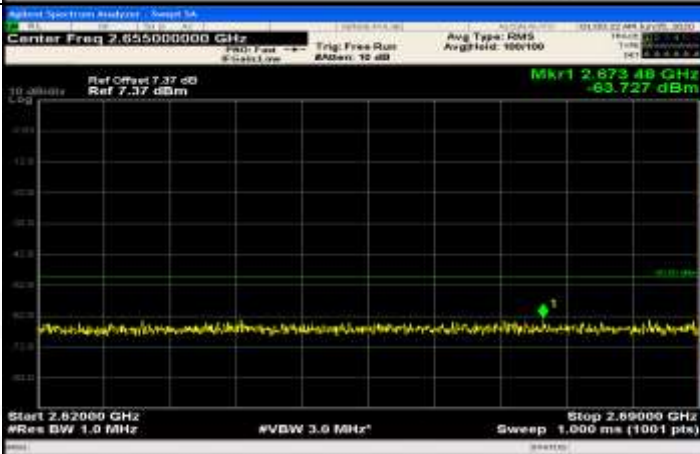


General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 418.475000 MHz Ref Offset 6.71 dB Ref 6.71 dBm Mkr1 761.1 MHz -82.480 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 100 kHz Stop 507.0 MHz Sweep 95.87 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 938.525000 MHz Ref Offset 6.93 dB Ref 6.93 dBm Mkr1 953.28 MHz -78.241 dBm Start 877.05 MHz #Res BW 100 kHz #VBW 100 kHz Stop 1.00000 GHz Sweep 15.20 ms (1001 pts)</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.000000000 GHz Ref Offset 7.59 dB Ref 7.19 dBm Mkr1 3.182 GHz -69.843 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p>

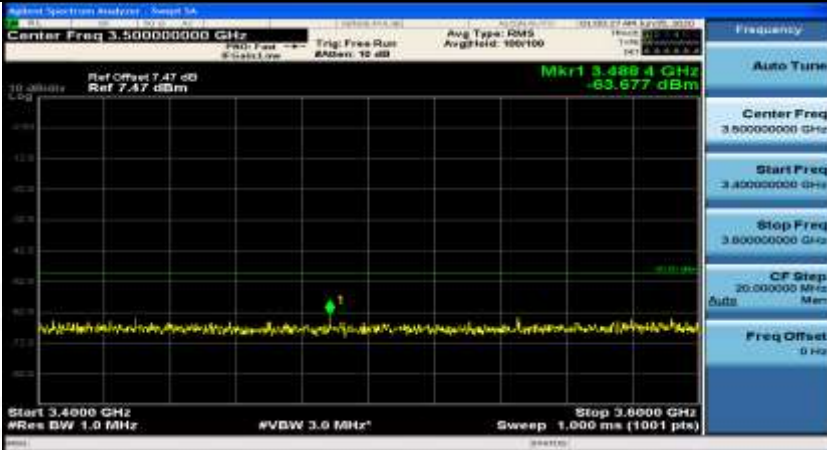
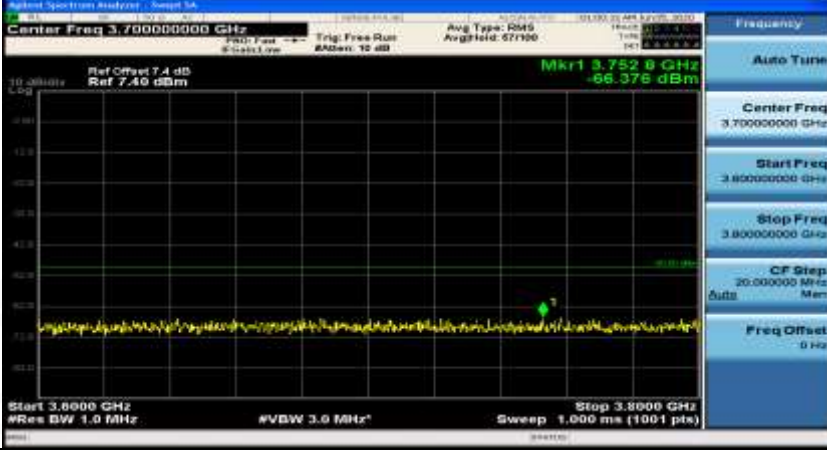



General	
Co-existence	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.805000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>


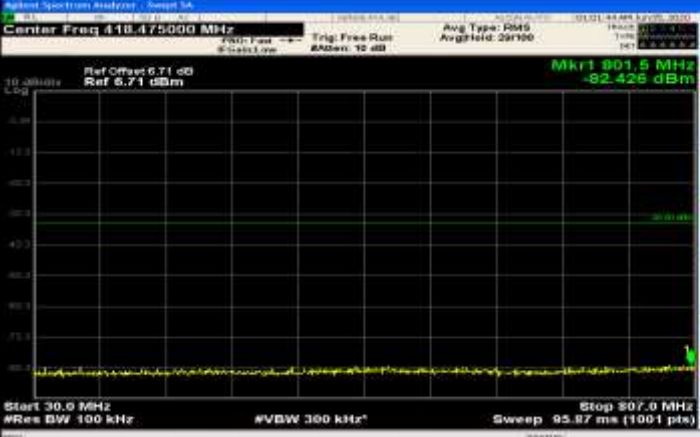
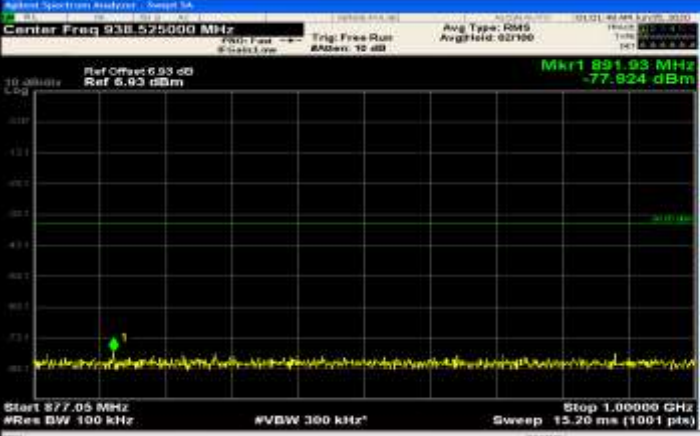
Co-existence	
Co-existence	
Co-existence	

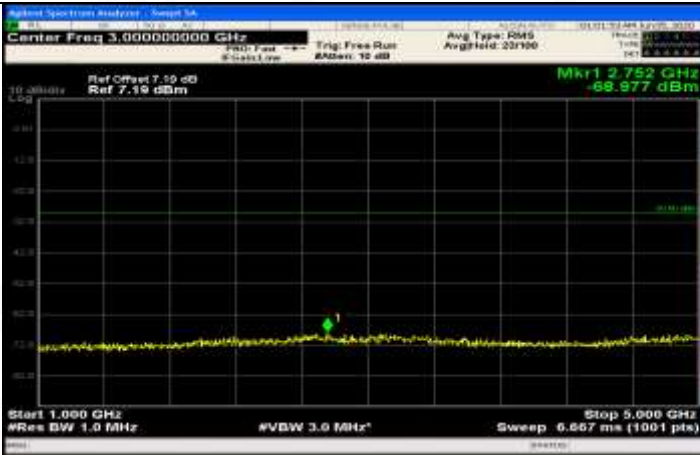

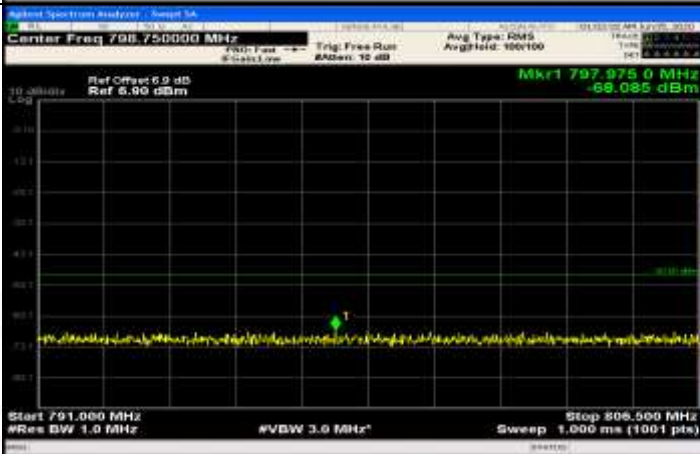


Co-existence		Frequency Auto Tune Center Freq 3.50000000 GHz Start Freq 3.40000000 GHz Stop Freq 3.60000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Co-existence		Frequency Auto Tune Center Freq 3.70000000 GHz Start Freq 3.60000000 GHz Stop Freq 3.80000000 GHz CF Step 20.000000 MHz Auto Mem Freq Offset 0 Hz
Additional	NA	

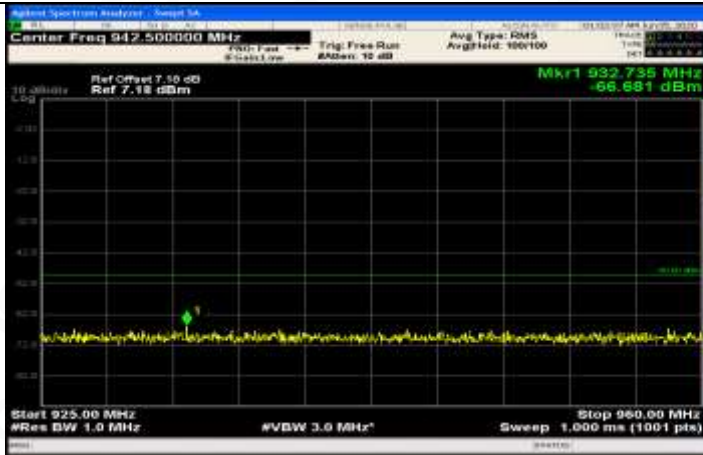
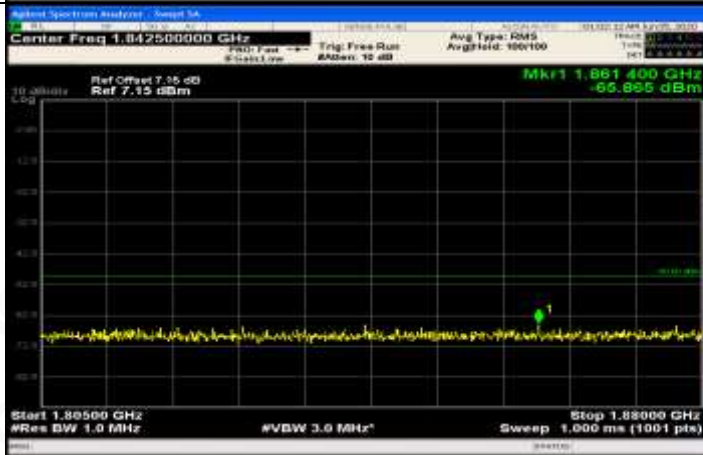
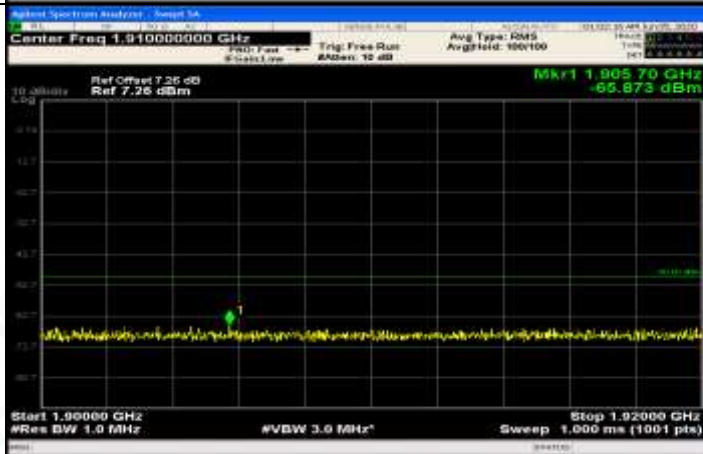
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0		
General		Frequency Auto Tune Center Freq 79.500 kHz Start Freq 0.000 kHz Stop Freq 160.000 kHz CF Step 14.100 kHz Auto Mem Freq Offset 0 Hz

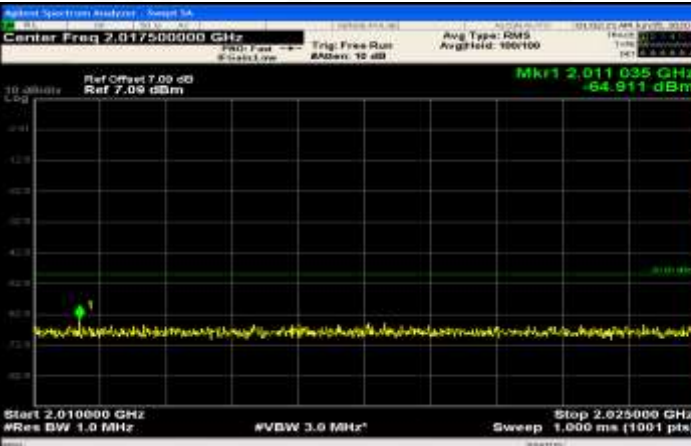
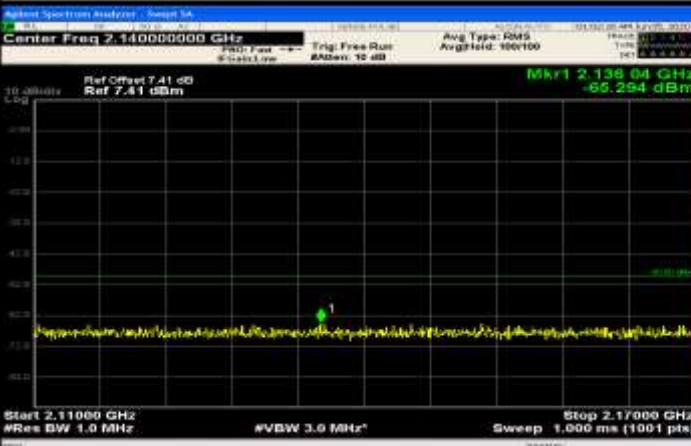
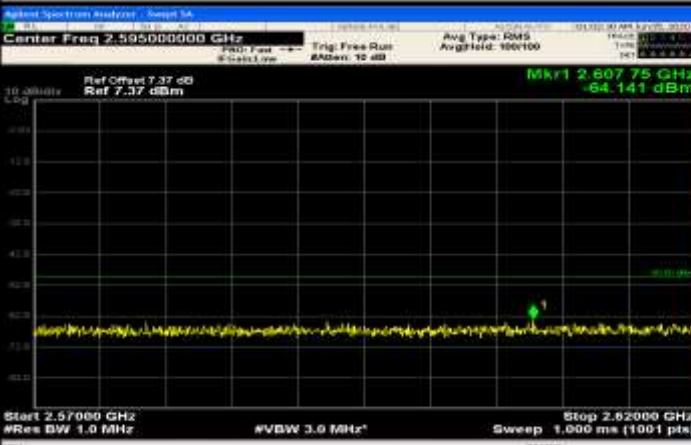


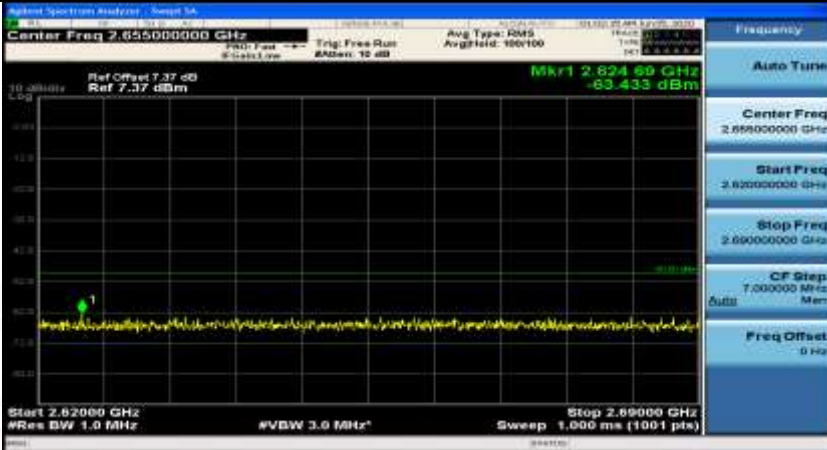
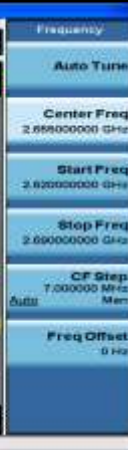
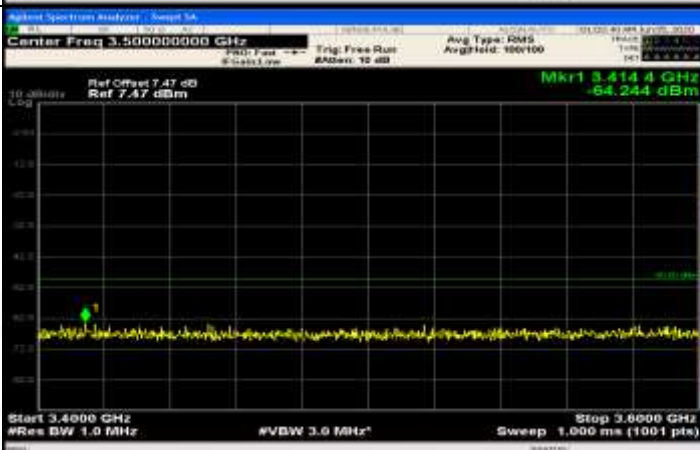
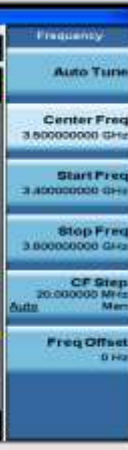
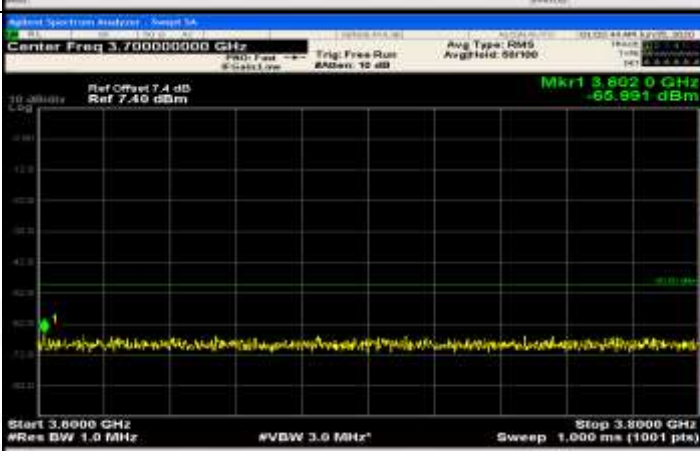

General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 418.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 806.950000 MHz</p> <p>CF Step 77.695000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 938.525000 MHz</p> <p>Start Freq 877.050000 GHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 12.295000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

General	
General	
Co-existence	



Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.80500000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

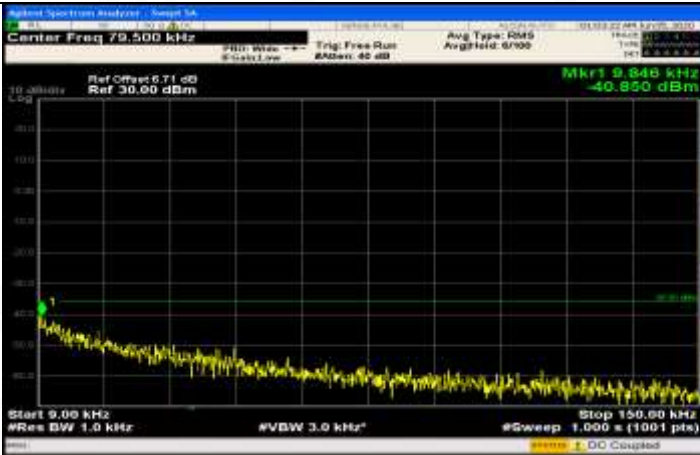

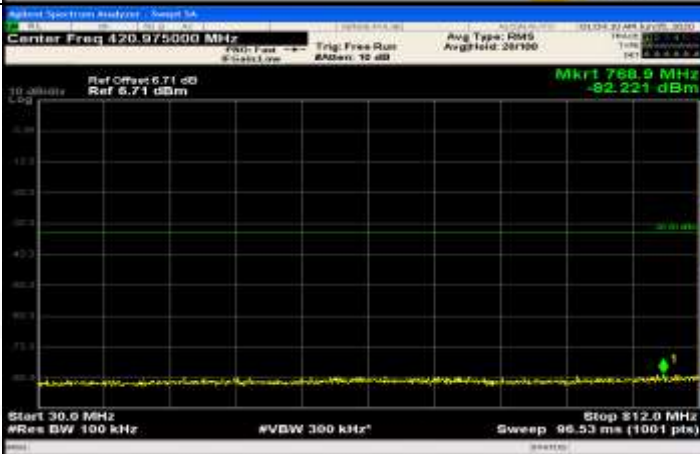
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.140000000 GHz</p> <p>Start Freq 2.110000000 GHz</p> <p>Stop Freq 2.170000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.595000000 GHz</p> <p>Start Freq 2.570000000 GHz</p> <p>Stop Freq 2.620000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

Co-existence		
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0



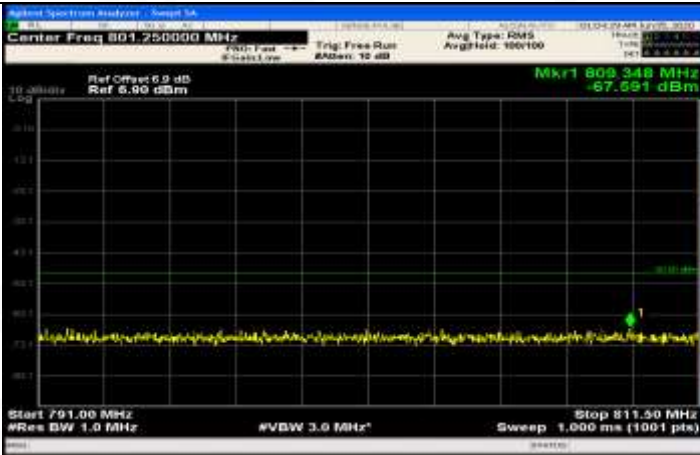
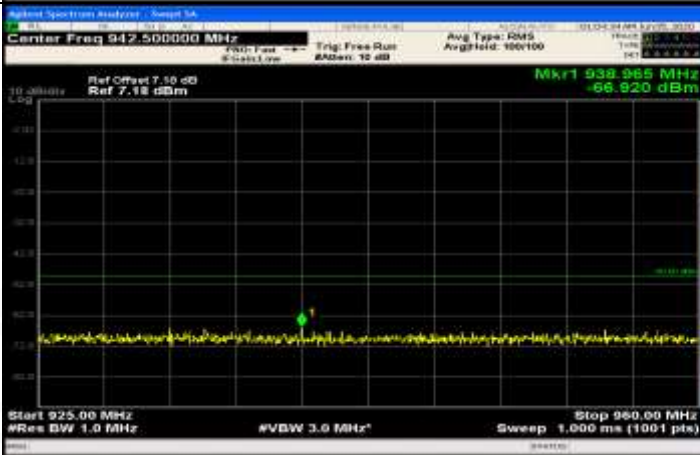
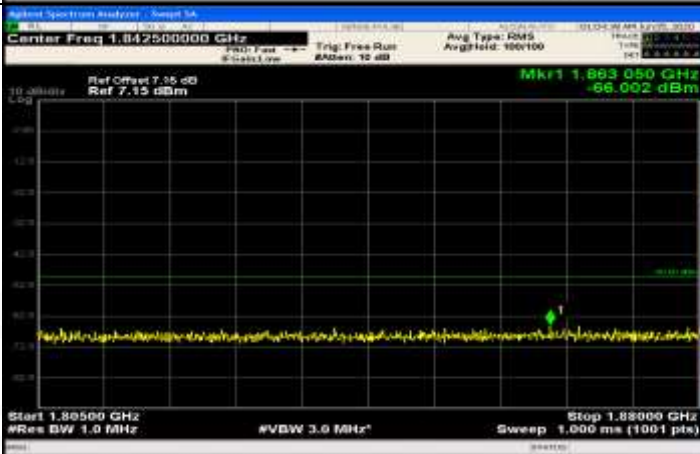


General	
General	
General	

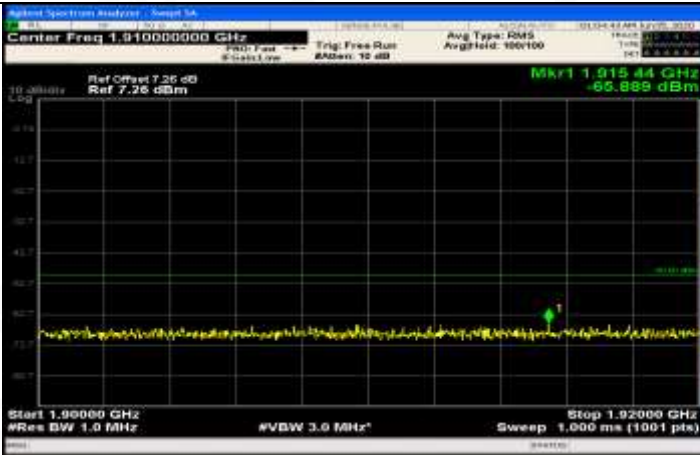
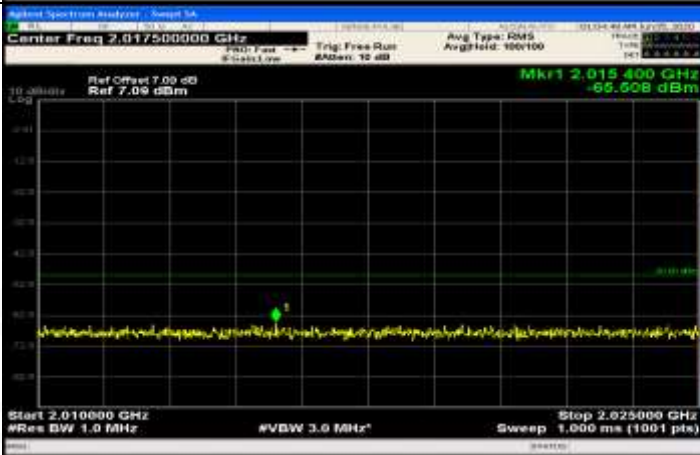
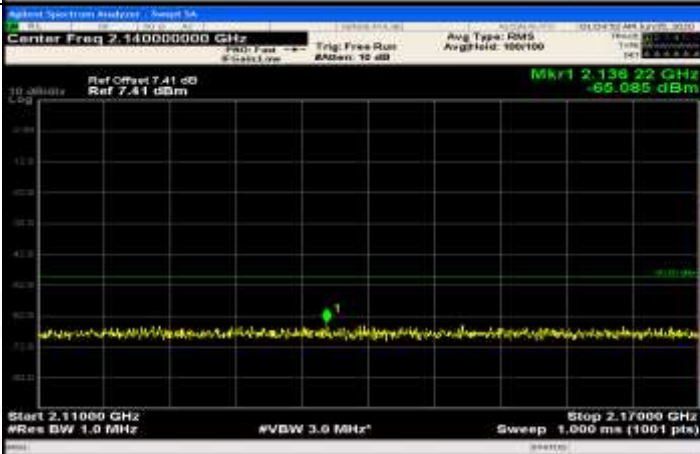


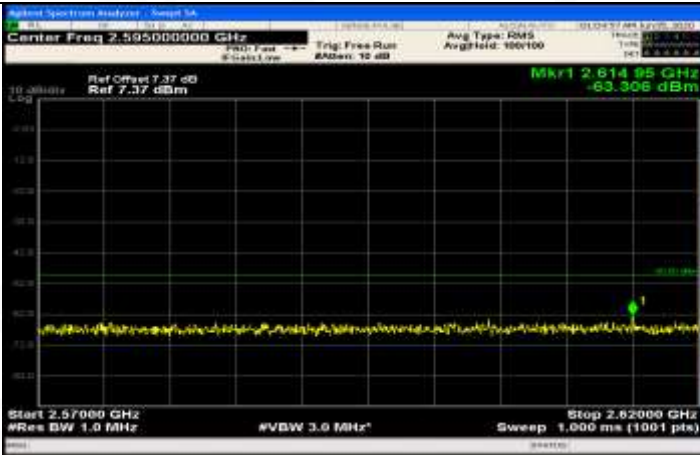
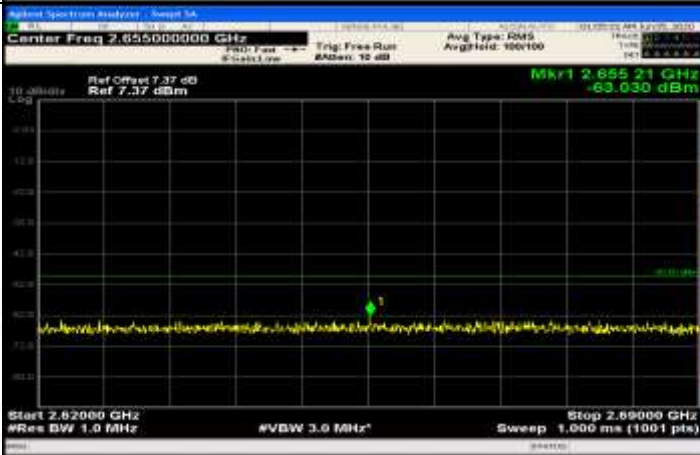
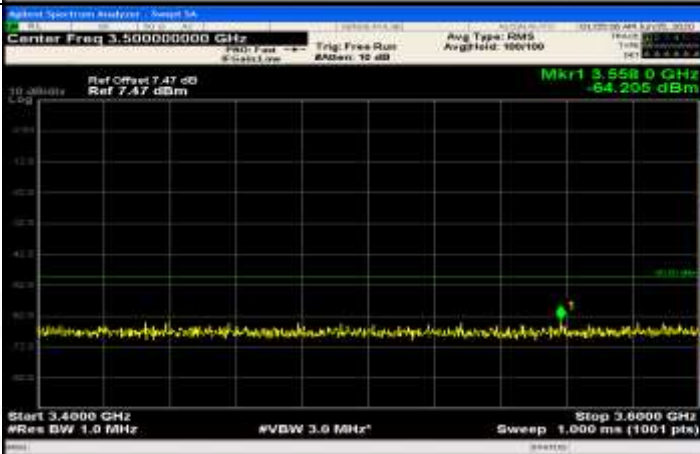
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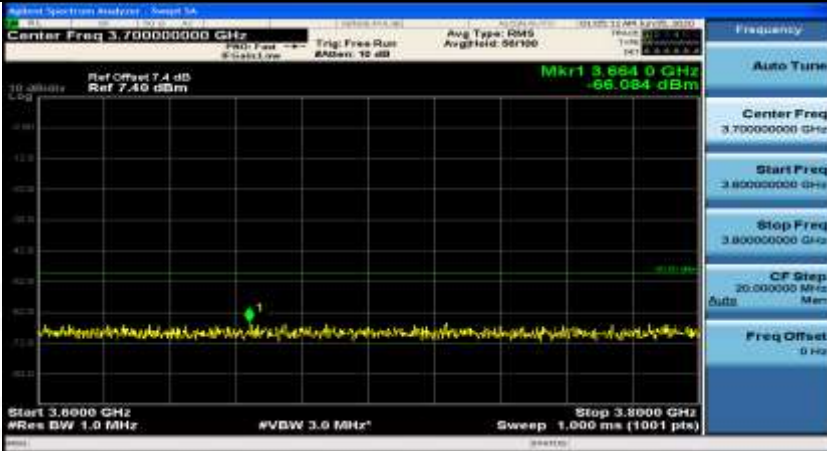


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 801.250000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 811.500000 MHz</p> <p>CF Step 2.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 935.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.83600000 GHz</p> <p>Stop Freq 1.85000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>



Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 2.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

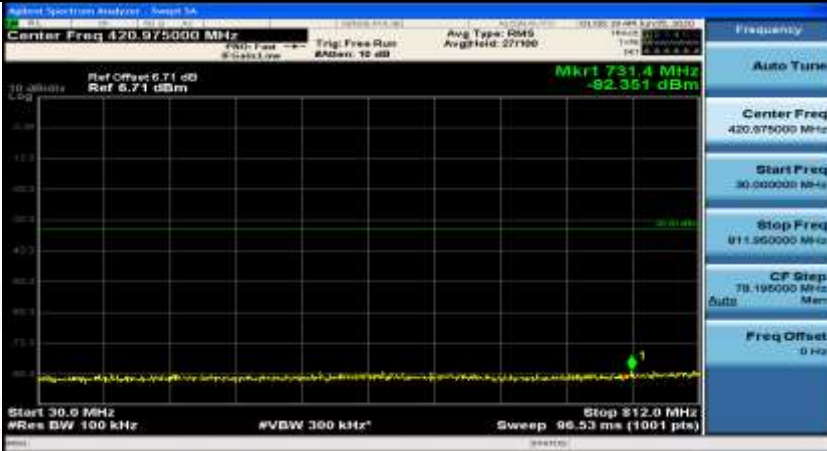
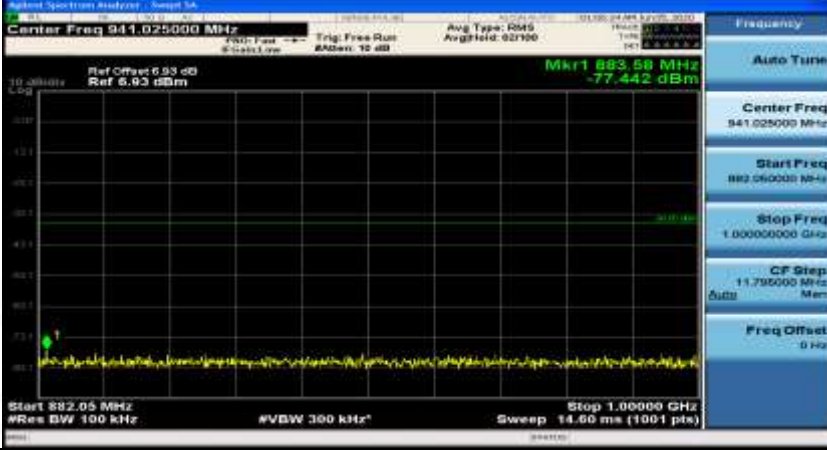
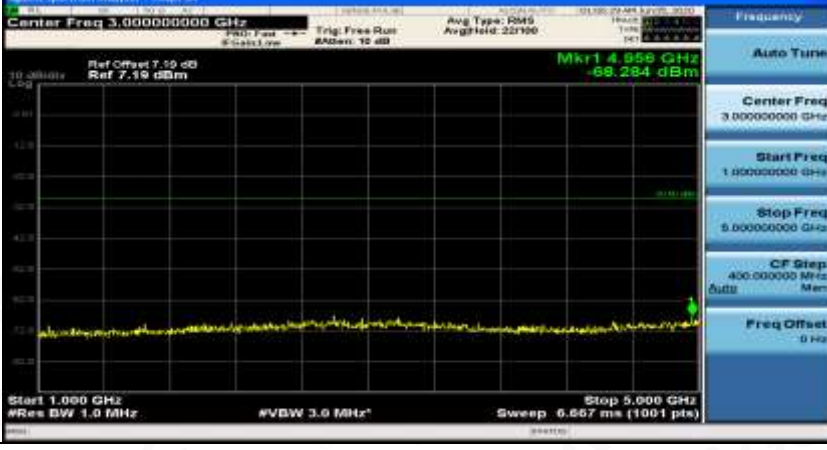
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Additional	NA


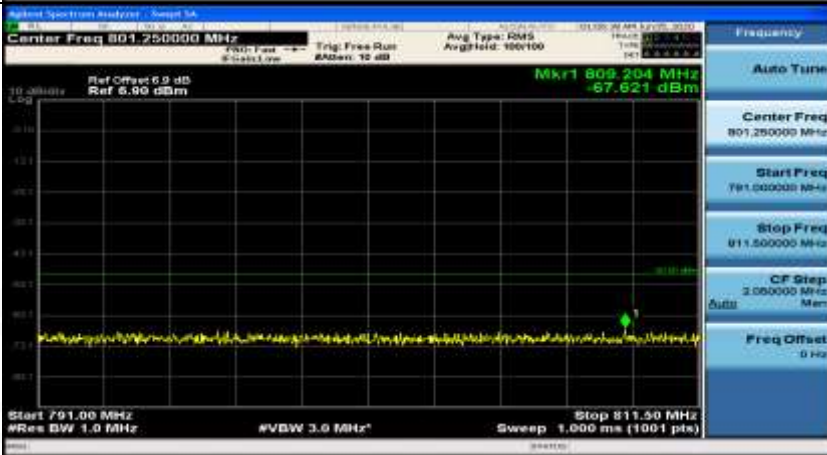
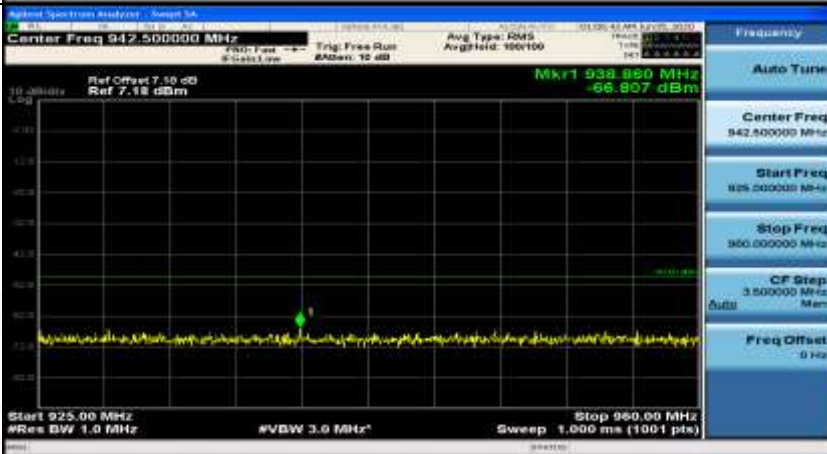
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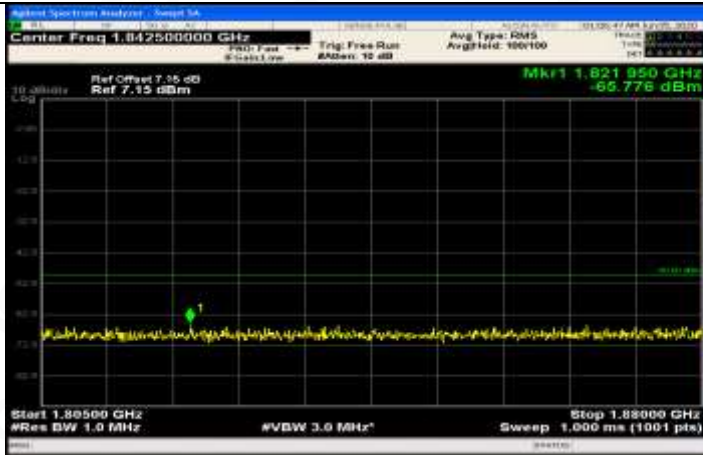
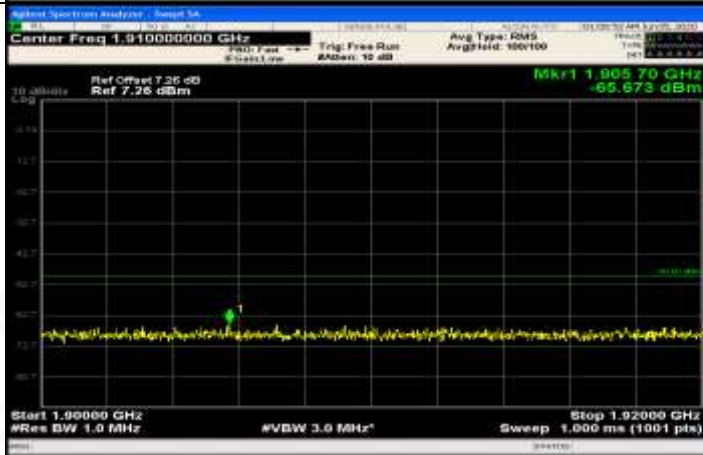
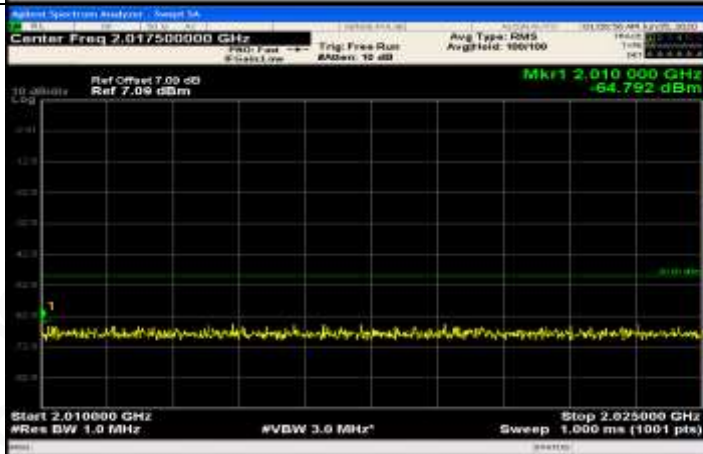
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General	



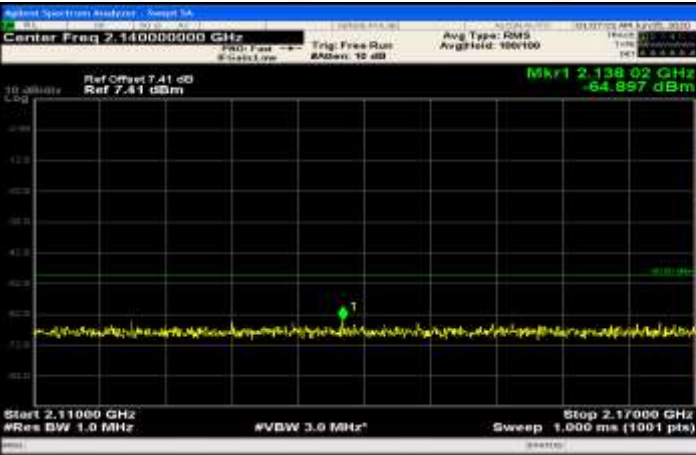
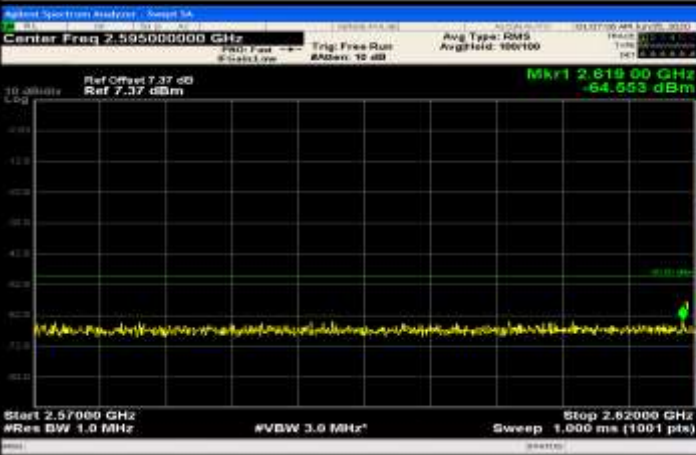
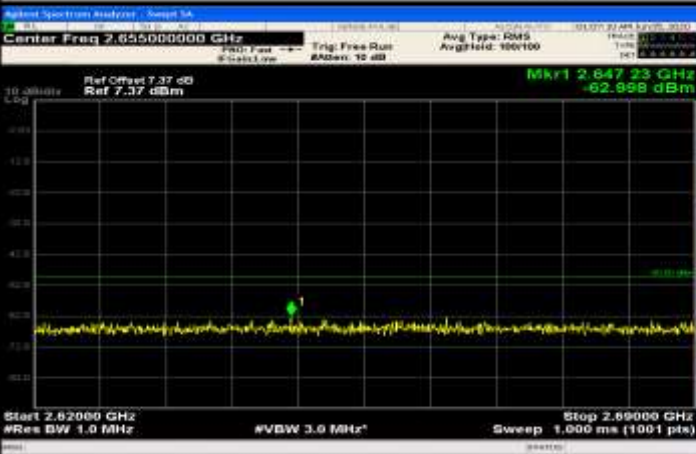
General	
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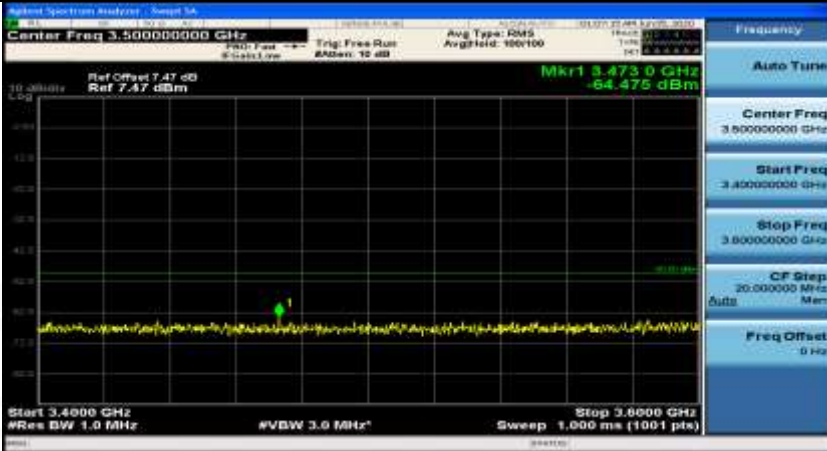
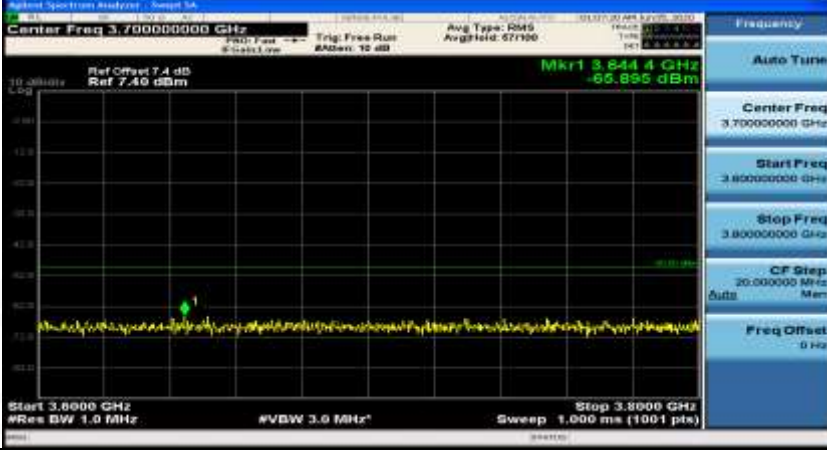


General	
Co-existence	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.805000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 3.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

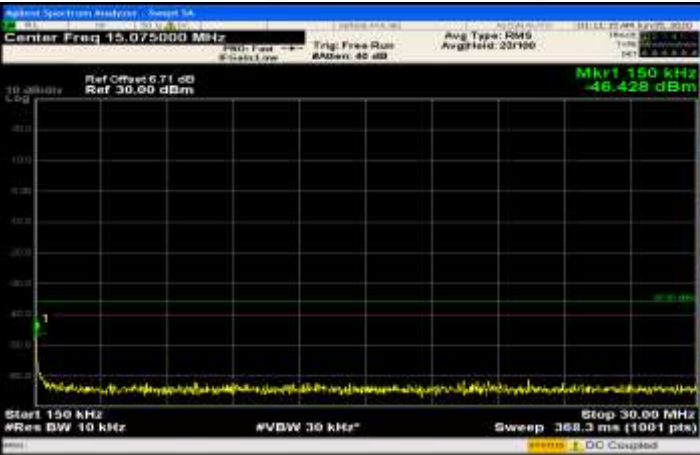
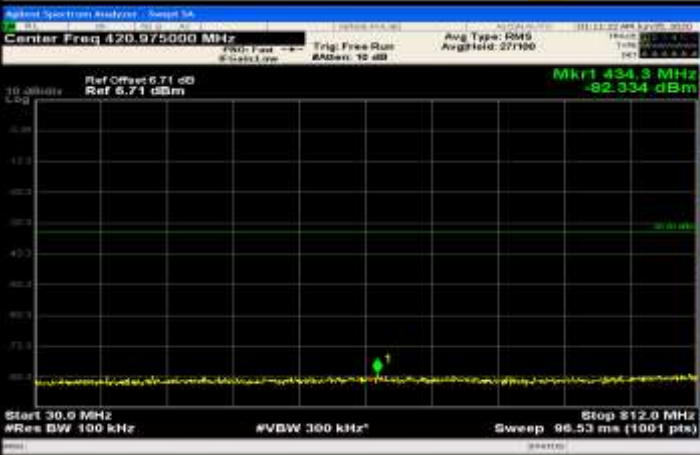


Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>



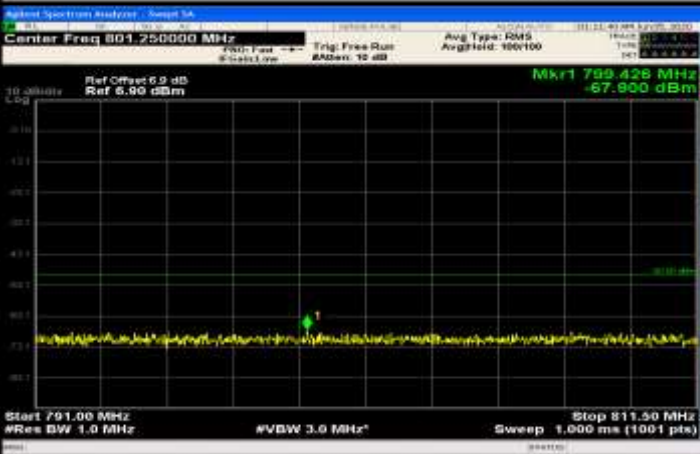
Co-existence	
Co-existence	
Additional	NA

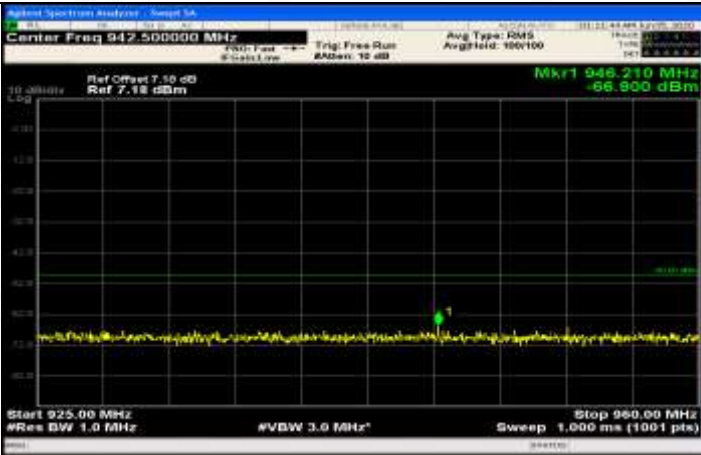
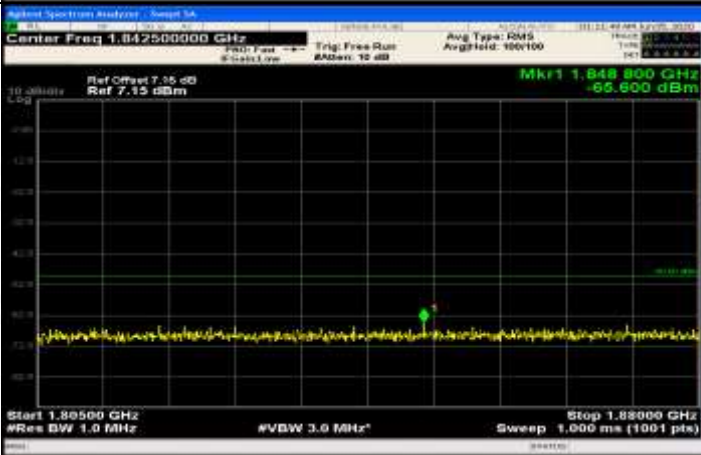
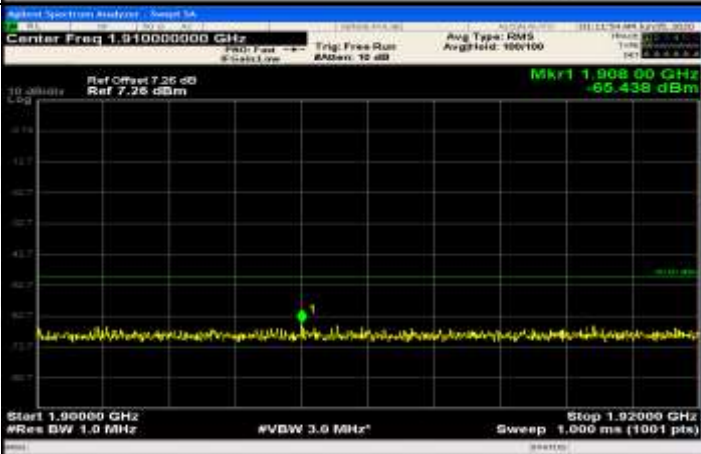
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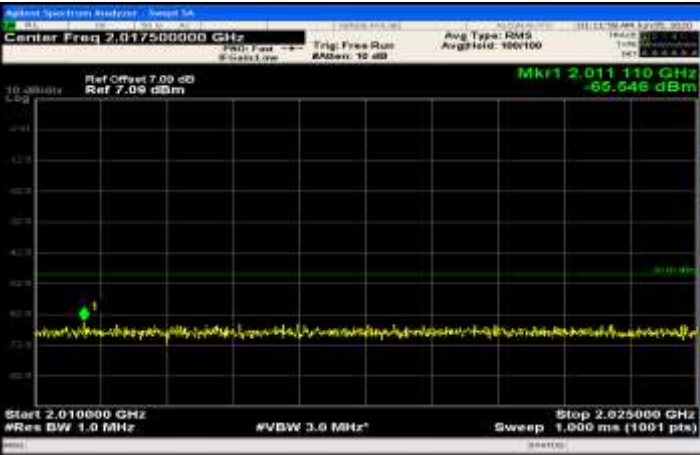
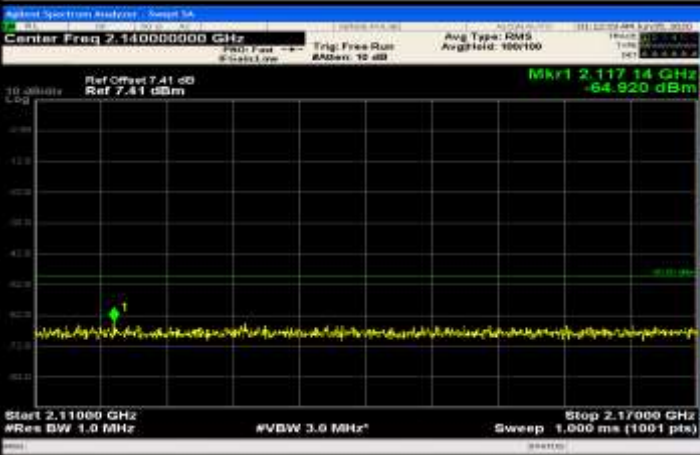
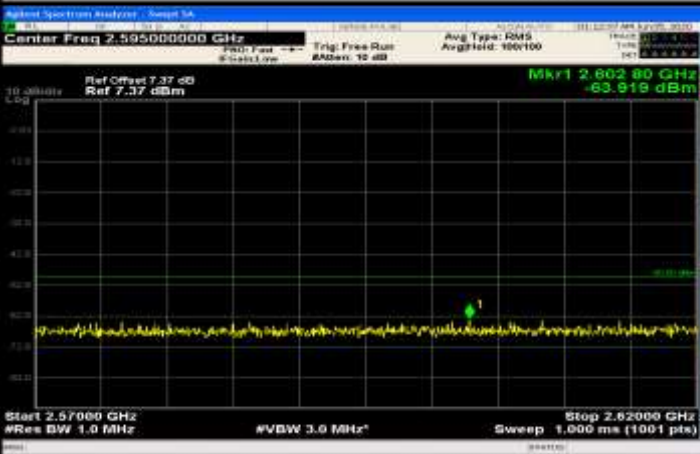
General	
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General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.985000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 420.975000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 911.960000 MHz</p> <p>CF Step 79.195000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 941.025000 MHz</p> <p>Start Freq 882.060000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 11.795000 MHz</p> <p>Freq Offset 0 Hz</p>

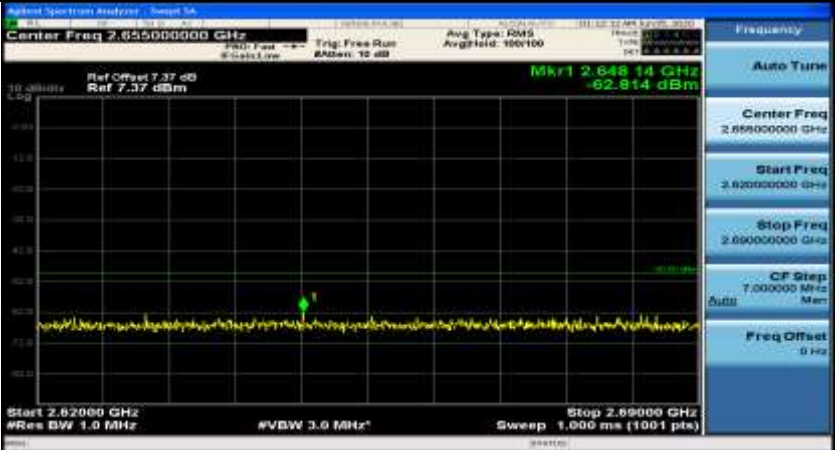

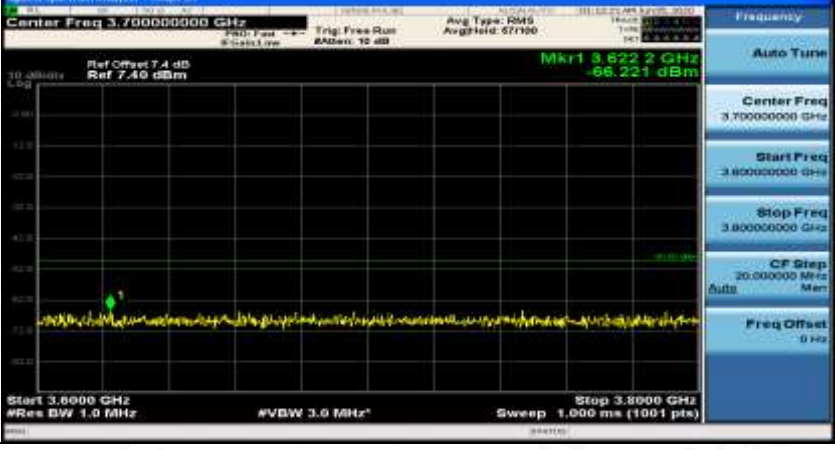


General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.00000000 GHz</p> <p>Start Freq 1.00000000 GHz</p> <p>Stop Freq 5.00000000 GHz</p> <p>CF Step 400.000000 MHz</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 5.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 776.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 801.250000 MHz</p> <p>Start Freq 791.000000 MHz</p> <p>Stop Freq 811.500000 MHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>

Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 925.000000 MHz</p> <p>Stop Freq 960.000000 MHz</p> <p>CF Step 3.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.835000000 GHz</p> <p>Stop Freq 1.850000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 2.000000 MHz</p> <p>Freq Offset 0 Hz</p>

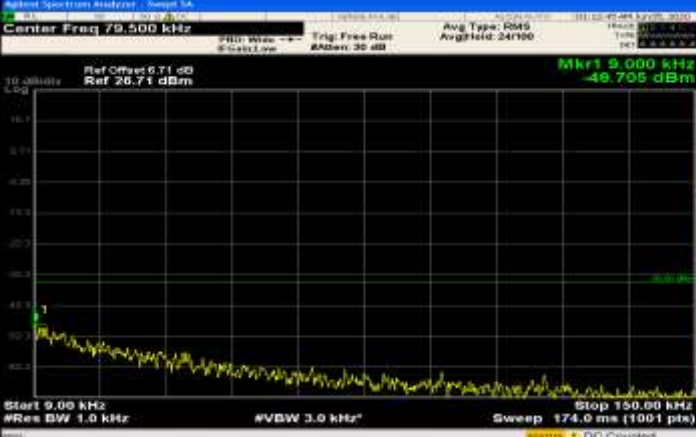


Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.01750000 GHz</p> <p>Start Freq 2.01000000 GHz</p> <p>Stop Freq 2.02500000 GHz</p> <p>CF Step 1.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>


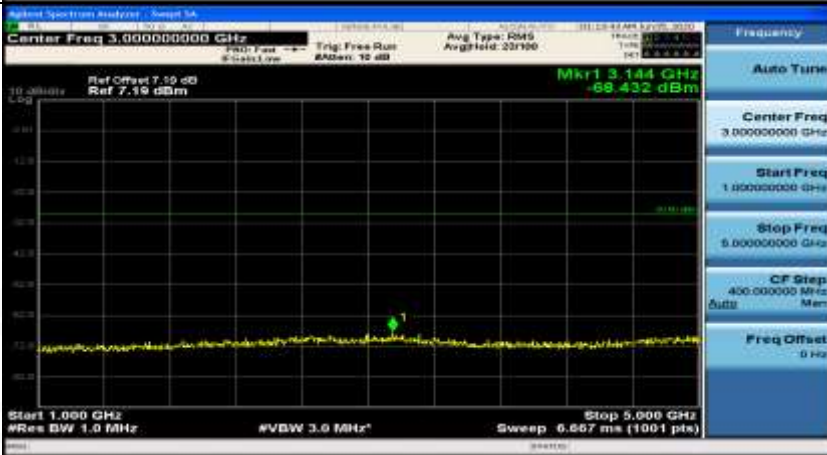



Co-existence	
Co-existence	
Co-existence	
Additional	NA

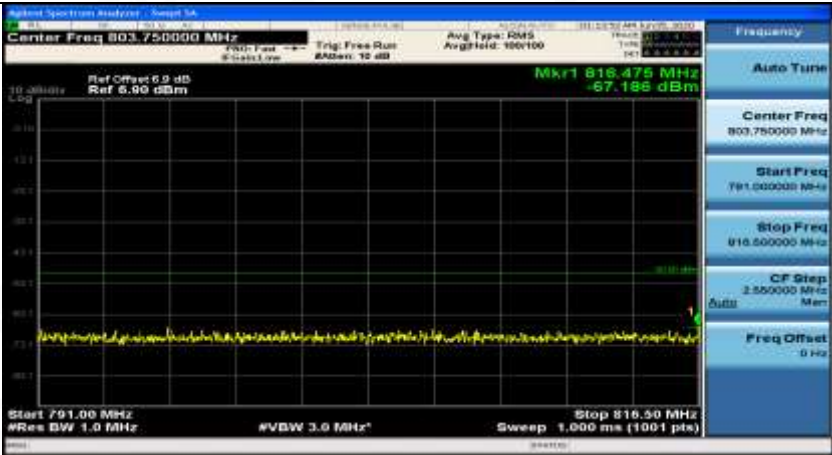
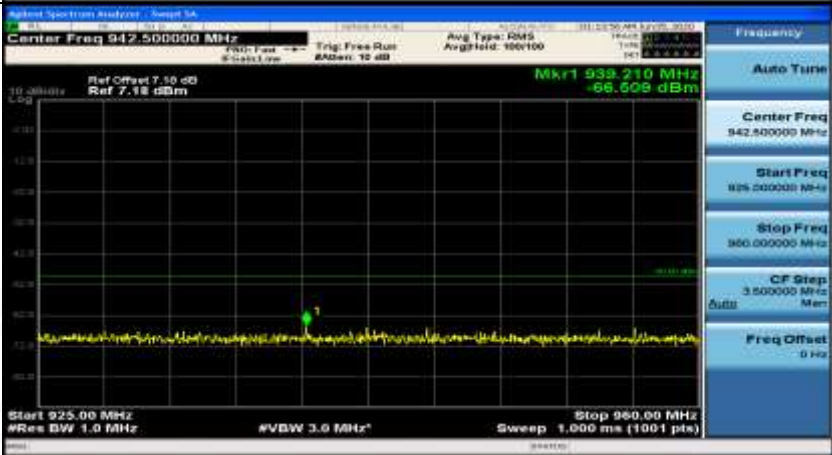
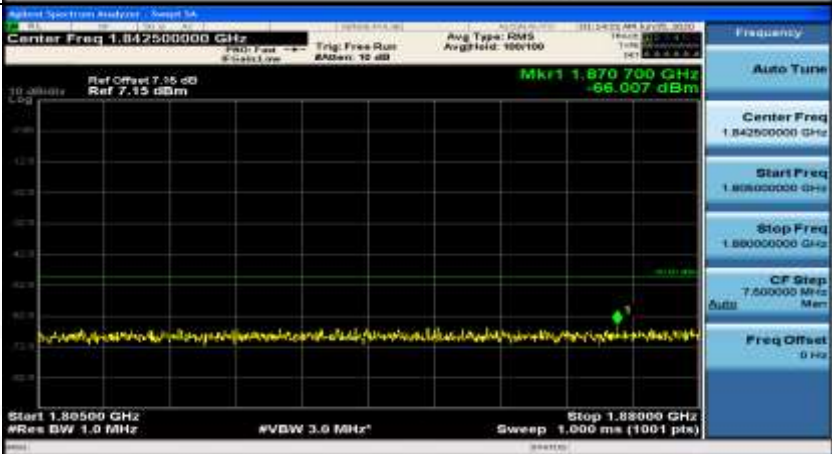
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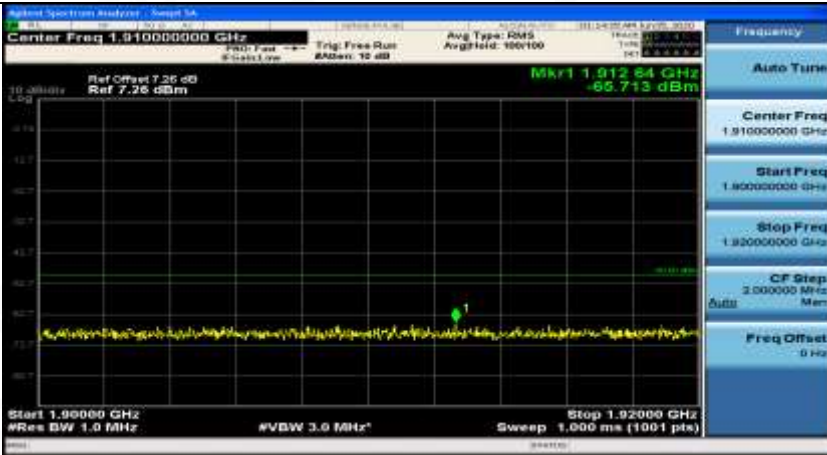
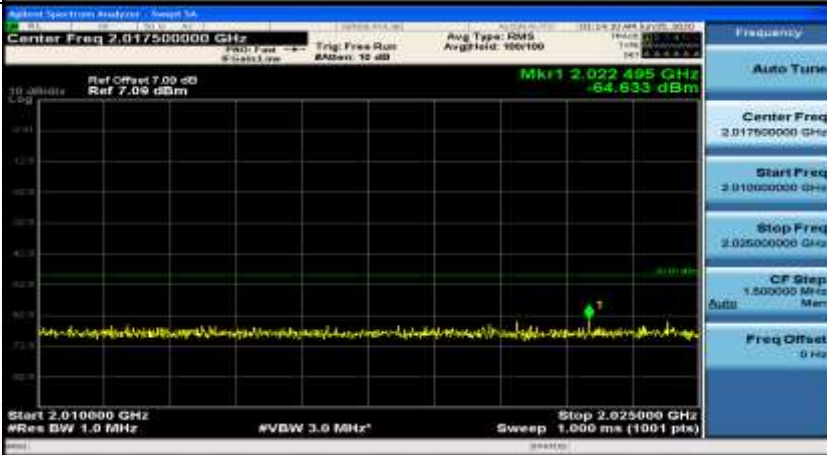
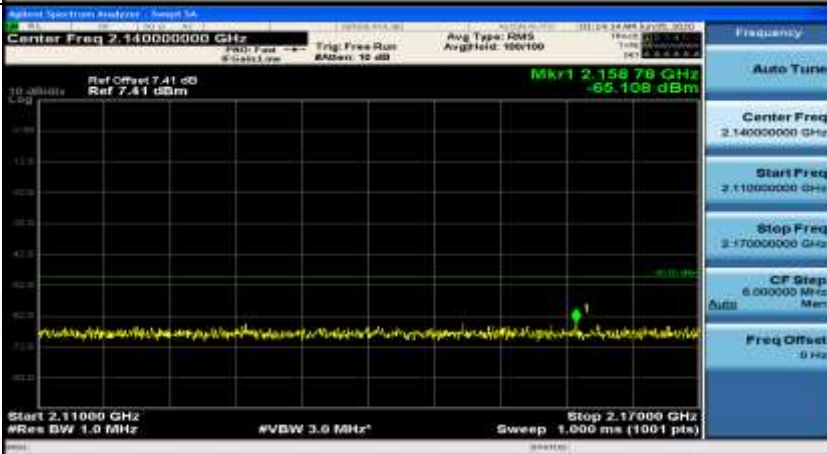


General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.385000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 423.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 516.950000 MHz</p> <p>CF Step 78.695000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>

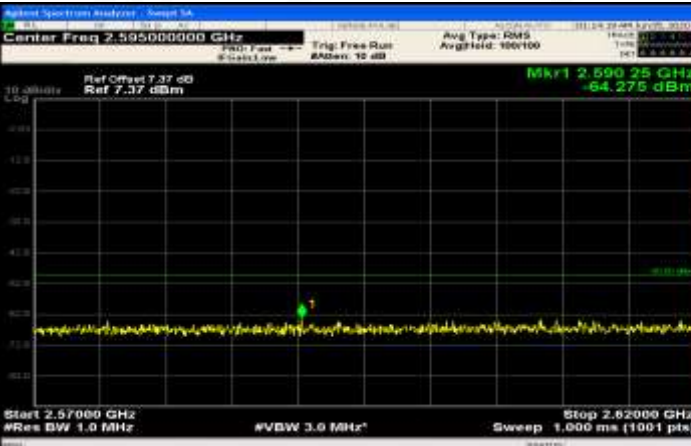
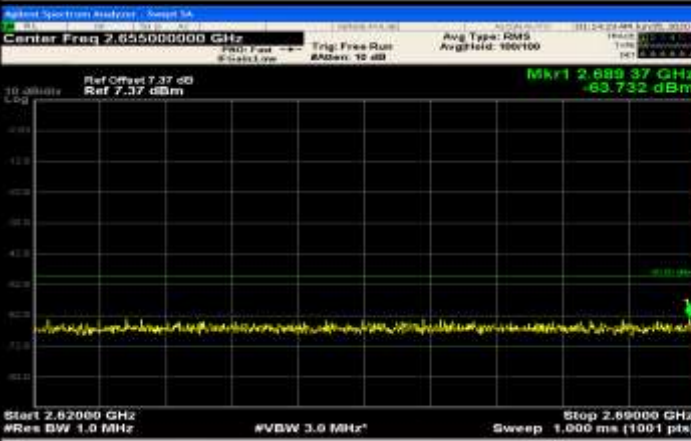
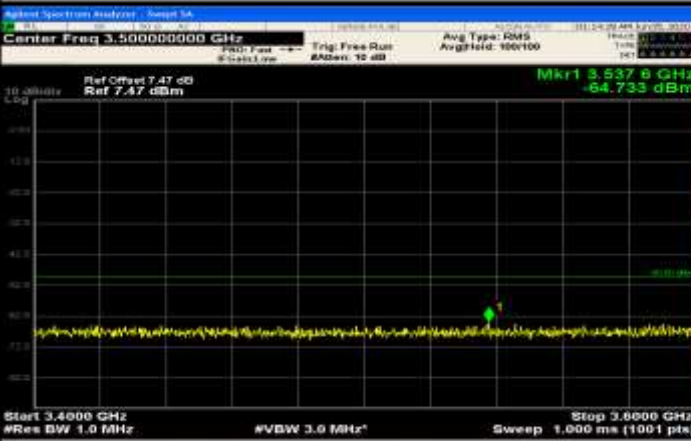
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 943.525000 MHz Ref Offset 6.93 dB Ref 6.93 dBm Mkr1 945.90 MHz -78.084 dBm Start 887.05 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.00000 GHz Sweep 14.00 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 943.525000 MHz Start Freq 887.050000 MHz Stop Freq 1.00000000 GHz CF Step 11.235000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 3.00000000 GHz Ref Offset 7.10 dB Ref 7.10 dBm Mkr1 3.144 GHz -68.432 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 6.667 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 3.00000000 GHz Start Freq 1.00000000 GHz Stop Freq 5.00000000 GHz CF Step 400.000000 MHz Auto Mem Freq Offset 0 Hz</p>
General	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 8.87500000 GHz Ref Offset 7.67 dB Ref 7.67 dBm Mkr1 12.18875 GHz -67.097 dBm Start 5.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 8.87500000 GHz Start Freq 5.00000000 GHz Stop Freq 12.75000000 GHz CF Step 775.000000 MHz Auto Mem Freq Offset 0 Hz</p>




Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	





Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65000000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.50000000 GHz</p> <p>Start Freq 3.40000000 GHz</p> <p>Stop Freq 3.60000000 GHz</p> <p>CF Step 20.000000 MHz</p> <p>Freq Offset 0 Hz</p>

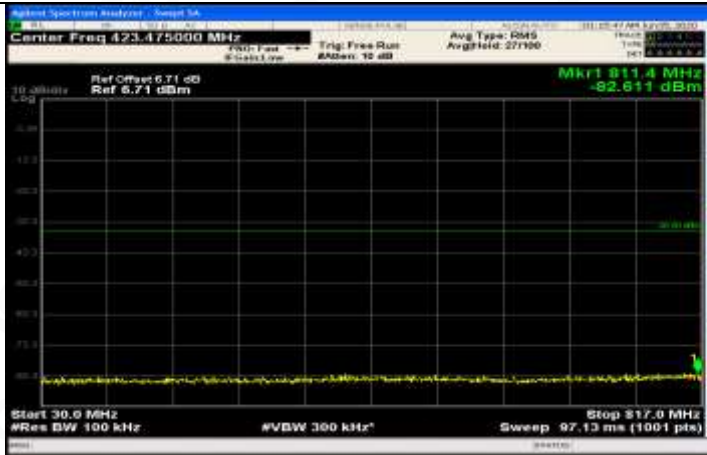
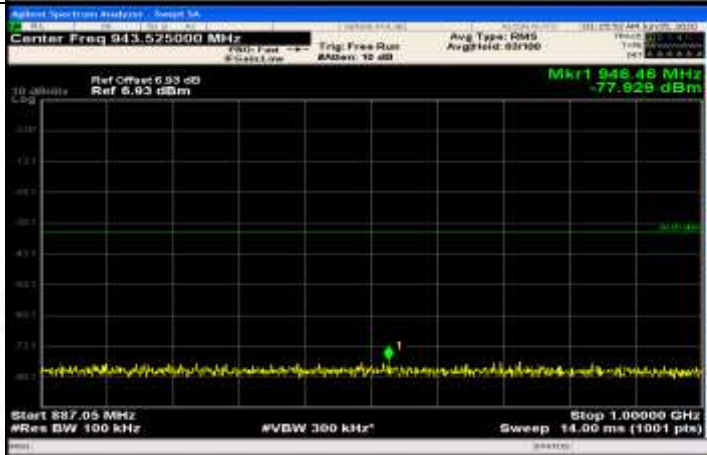



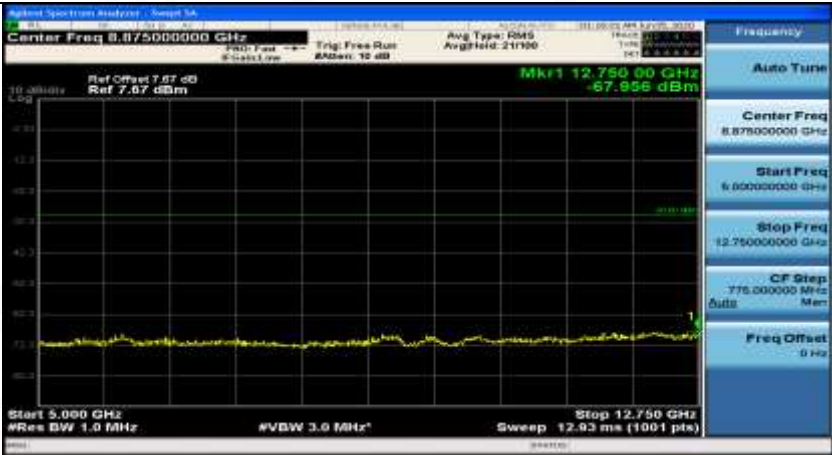
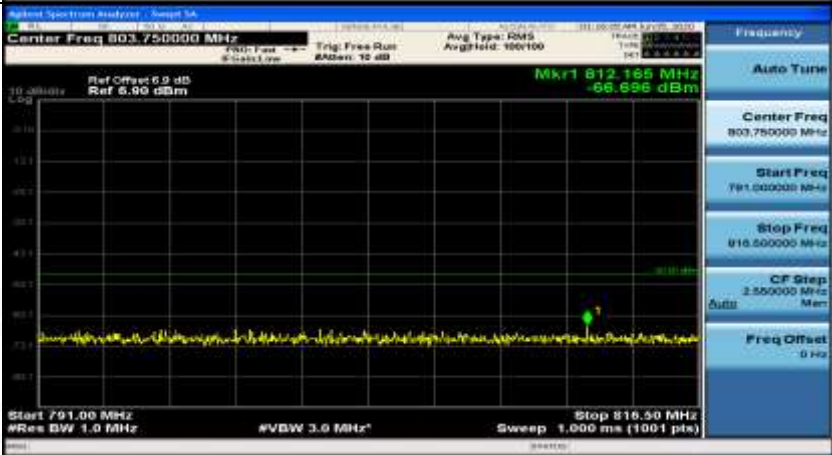
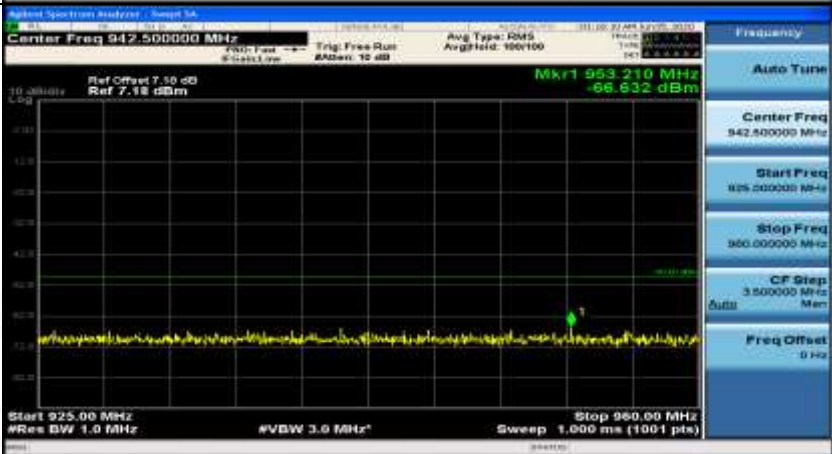
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#max

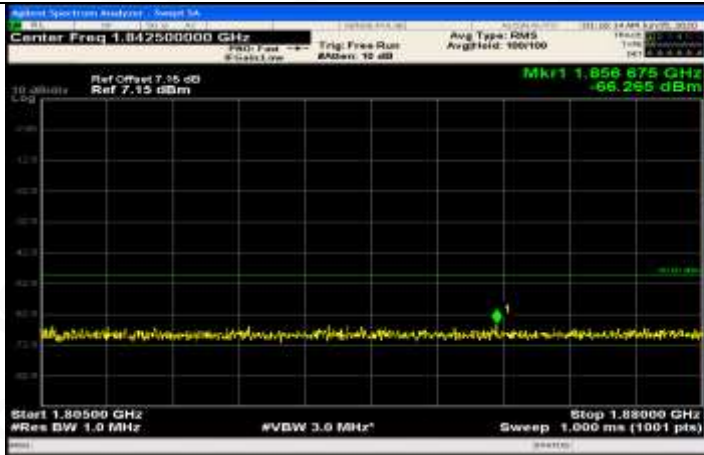
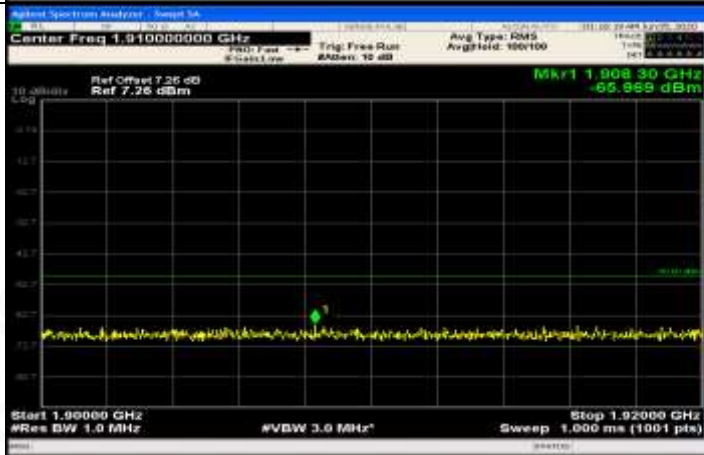
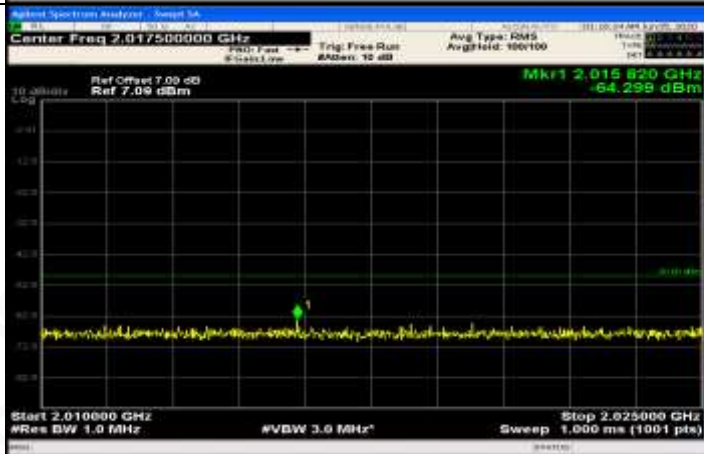
General	
General	

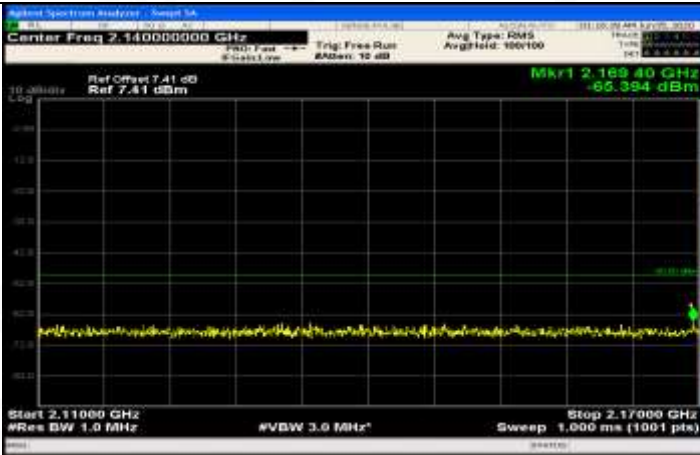
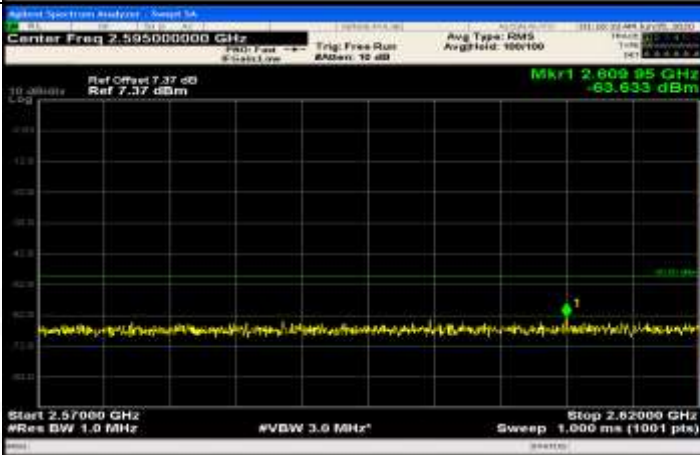
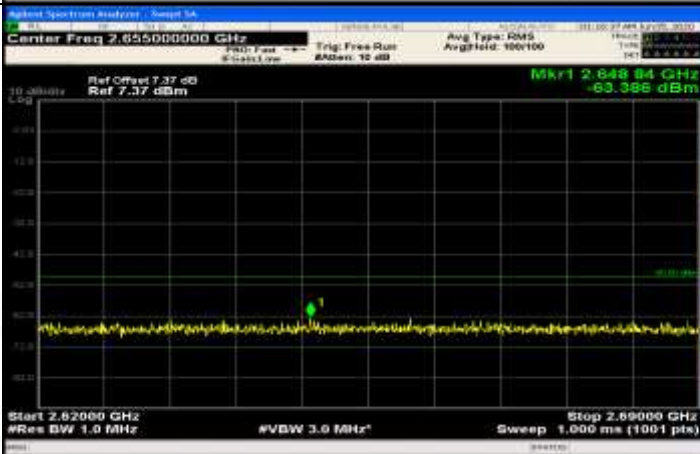


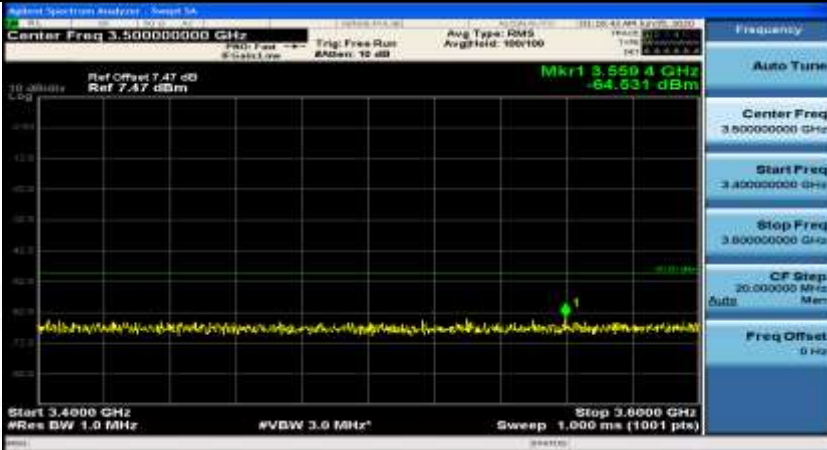
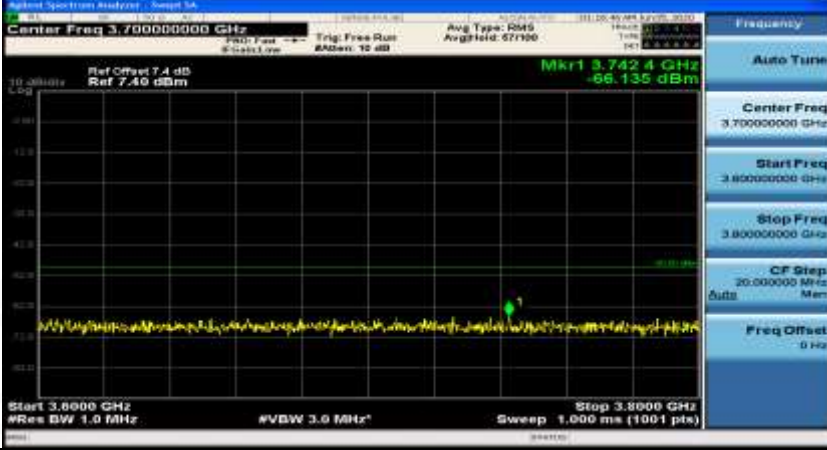
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 423.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 518.500000 MHz</p> <p>CF Step 78.695000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 943.525000 MHz</p> <p>Start Freq 887.050000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 14.295000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 3.000000000 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 5.000000000 GHz</p> <p>CF Step 400.000000 MHz Auto Mem</p> <p>Freq Offset 0 Hz</p>


General	
Co-existence	
Co-existence	




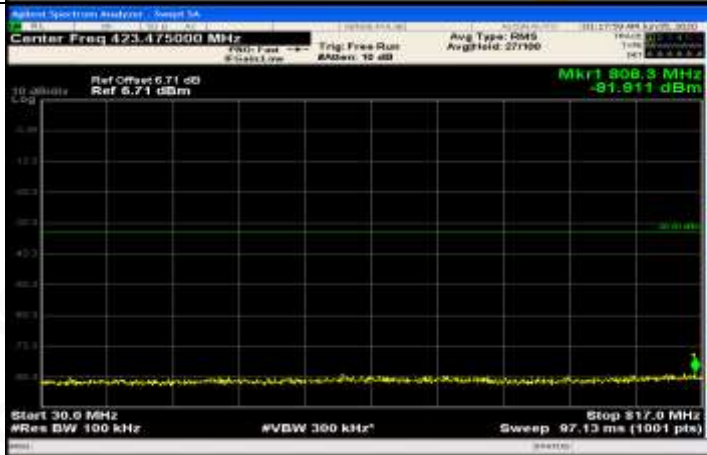
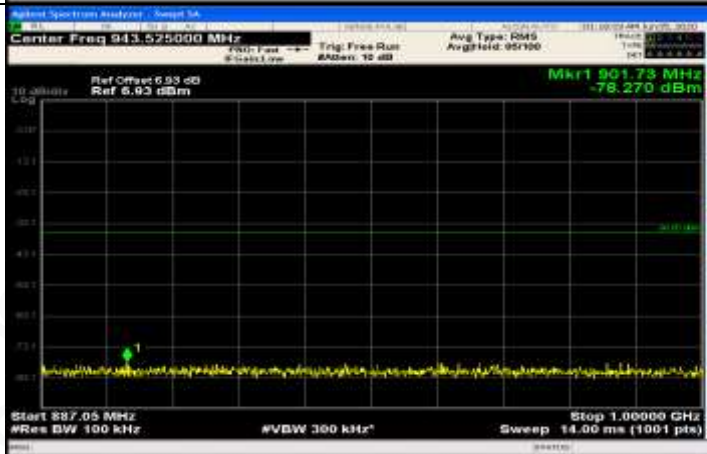
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.842500000 GHz</p> <p>Start Freq 1.805000000 GHz</p> <p>Stop Freq 1.880000000 GHz</p> <p>CF Step 7.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.910000000 GHz</p> <p>Start Freq 1.900000000 GHz</p> <p>Stop Freq 1.920000000 GHz</p> <p>CF Step 1.000000 MHz Mem</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.017500000 GHz</p> <p>Start Freq 2.010000000 GHz</p> <p>Stop Freq 2.025000000 GHz</p> <p>CF Step 1.500000 MHz Mem</p> <p>Freq Offset 0 Hz</p>

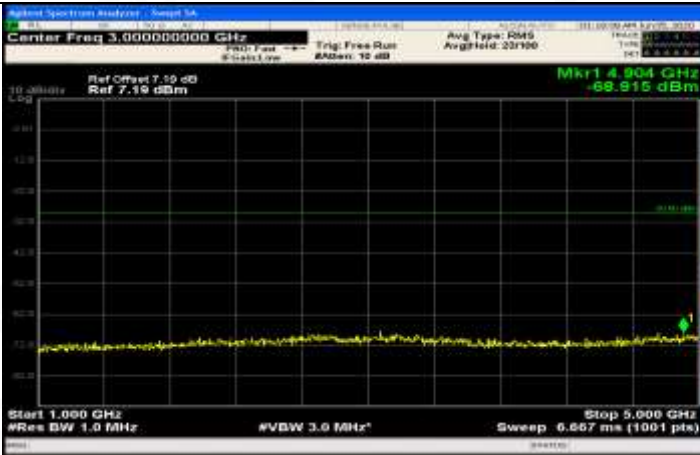

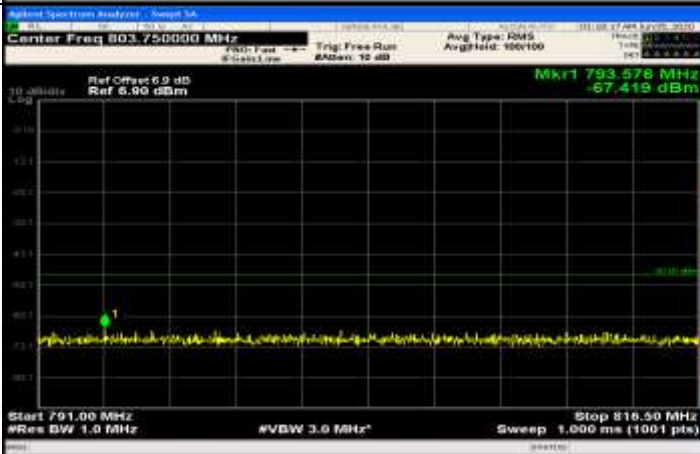
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.14000000 GHz</p> <p>Ref Offset 7.41 dB Ref 7.41 dBm</p> <p>Mkr1 2.18940 GHz -65.394 dBm</p> <p>Start 2.11000 GHz #Res BW 1.0 MHz</p> <p>Stop 2.17000 GHz #VBW 3.0 MHz</p> <p>Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.14000000 GHz</p> <p>Start Freq 2.11000000 GHz</p> <p>Stop Freq 2.17000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.59500000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.60995 GHz -63.633 dBm</p> <p>Start 2.57000 GHz #Res BW 1.0 MHz</p> <p>Stop 2.62000 GHz #VBW 3.0 MHz</p> <p>Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.59500000 GHz</p> <p>Start Freq 2.57000000 GHz</p> <p>Stop Freq 2.62000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.65500000 GHz</p> <p>Ref Offset 7.37 dB Ref 7.37 dBm</p> <p>Mkr1 2.64884 GHz -63.386 dBm</p> <p>Start 2.62000 GHz #Res BW 1.0 MHz</p> <p>Stop 2.69000 GHz #VBW 3.0 MHz</p> <p>Sweep 1.000 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.65500000 GHz</p> <p>Start Freq 2.62000000 GHz</p> <p>Stop Freq 2.69000000 GHz</p> <p>CF Step 7.000000 MHz</p> <p>Freq Offset 0 Hz</p>

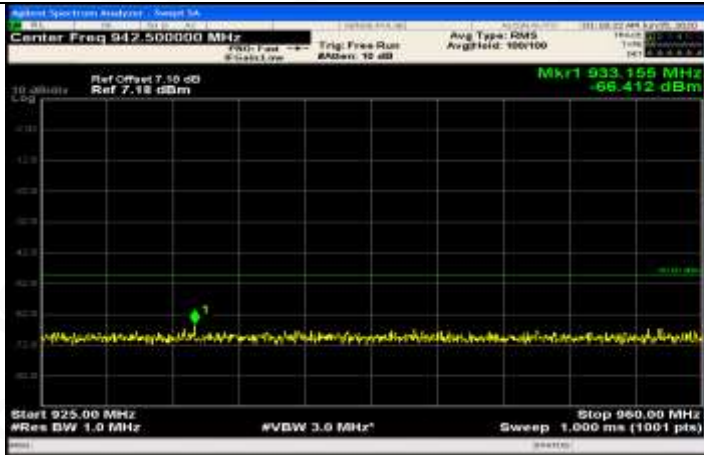
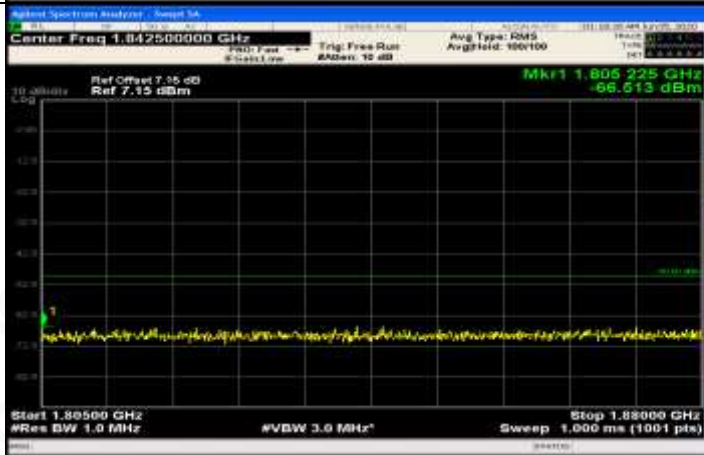
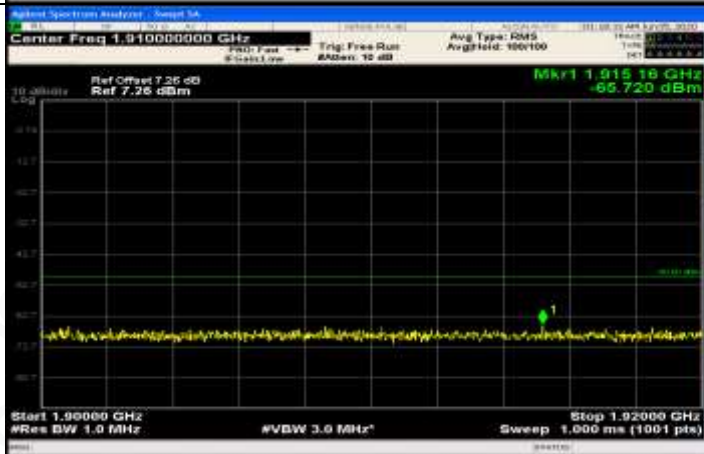
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	

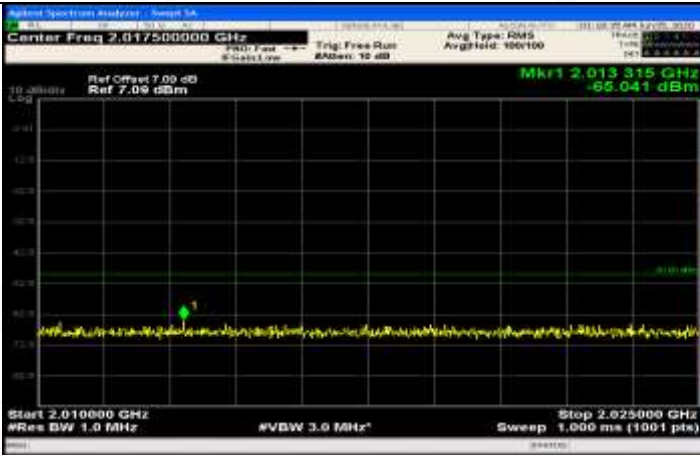
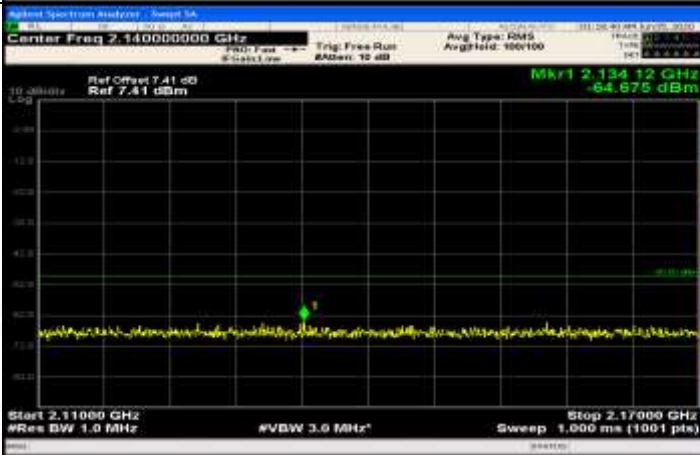
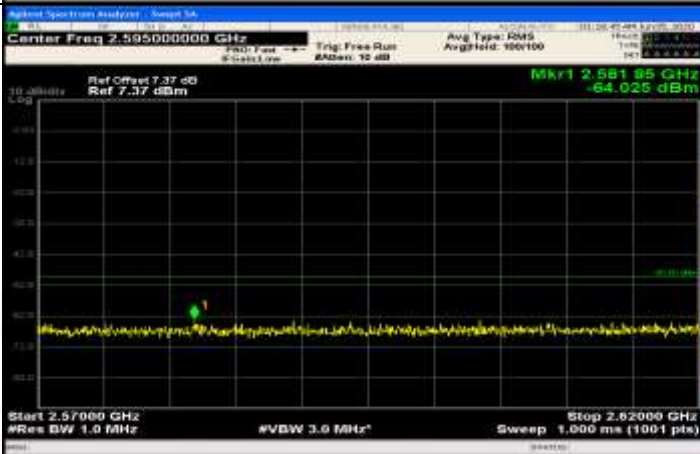


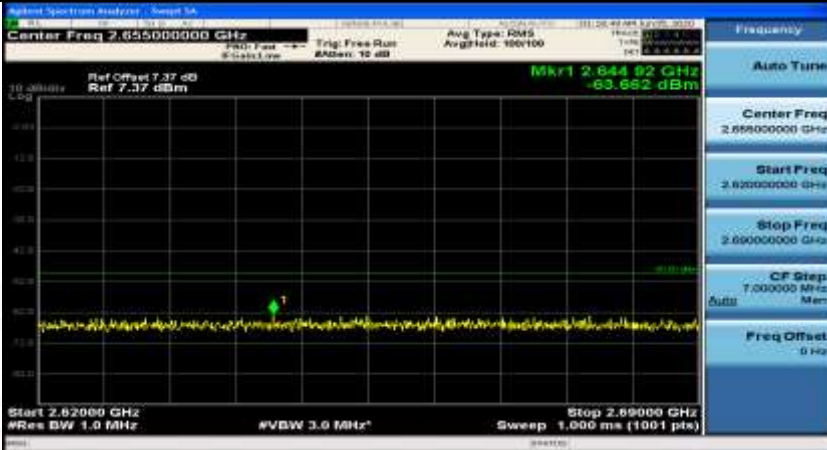
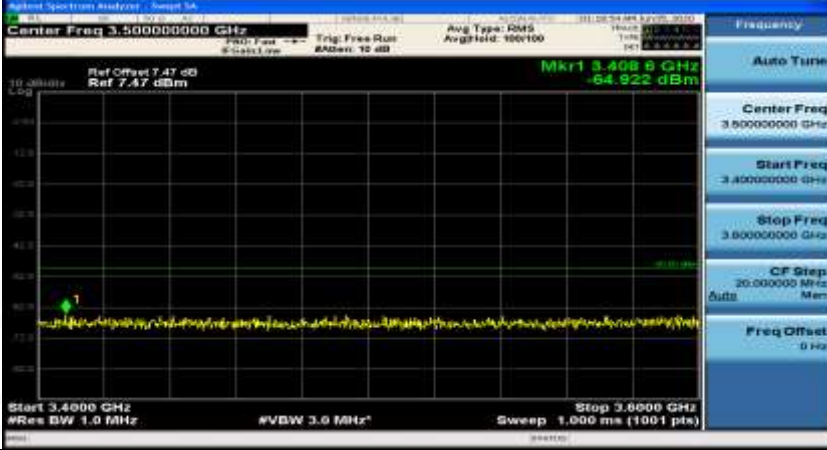
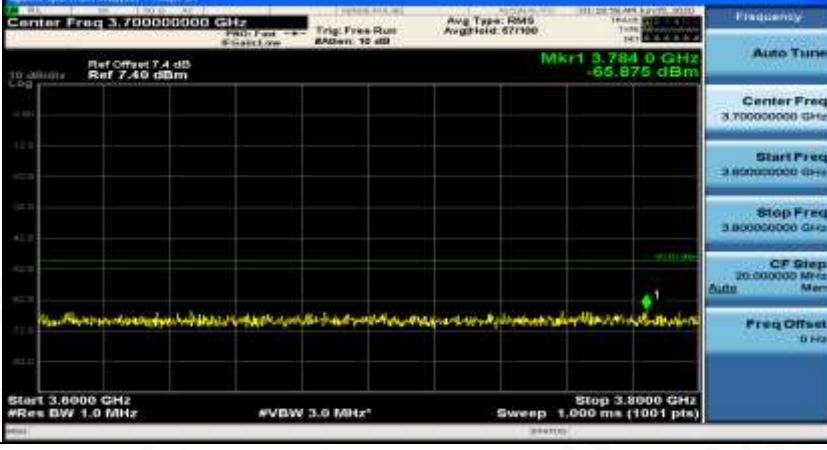
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 2.500000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 423.475000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 816.950000 MHz</p> <p>CF Step 78.695000 MHz</p> <p>Freq Offset 0 Hz</p>
General			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 943.525000 MHz</p> <p>Start Freq 887.050000 GHz</p> <p>Stop Freq 1.00000000 GHz</p> <p>CF Step 14.295000 MHz</p> <p>Freq Offset 0 Hz</p>

General	
General	
Co-existence	

Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 942.500000 MHz</p> <p>Start Freq 930.000000 MHz</p> <p>Stop Freq 950.000000 MHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.84250000 GHz</p> <p>Start Freq 1.83000000 GHz</p> <p>Stop Freq 1.85000000 GHz</p> <p>CF Step 7.500000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 1.91000000 GHz</p> <p>Start Freq 1.90000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>



Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.017500000 GHz Ref Offset 7.00 dB Ref 7.00 dBm Mkr1 2.013315 GHz -66.041 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.140000000 GHz Ref Offset 7.41 dB Ref 7.41 dBm Mkr1 2.13412 GHz -64.675 dBm Start 2.110000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.170000 GHz Sweep 1.000 ms (1001 pts)</p>
Co-existence	 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.595000000 GHz Ref Offset 7.37 dB Ref 7.37 dBm Mkr1 2.58185 GHz -64.025 dBm Start 2.570000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.620000 GHz Sweep 1.000 ms (1001 pts)</p>

Co-existence	
Co-existence	
Co-existence	
Additional	NA

## 6. Receiver Spurious Emissions

### Test Result

NTNV



Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_0RB#0	
LCH	
LCH	







Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_0RB#0





Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_ORB#0







## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				

#### In-Band Blocking

	Downlink Configuration		Uplink Configuration		CASE2
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %



20MHz	QPSK	Full	QPSK	100	≥ 95 %
<b>Verdict</b>	<b>PASS</b>				

#### Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				





## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	6	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	6	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 20			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	6	PASS	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	PASS	≥ 95 %
20MHz	QPSK	Full	QPSK	100	PASS	≥ 95 %
Verdict	PASS					



# 11. Receiver Reference Sensitivity Level

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVL) of fellow:

## Test Results

NTNV

	Test Band			Band 20			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVL	5MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	PASS						





## 12. Radiated spurious emissions - MS in idle mode

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVN ) of fellow

Test Result  
NTNV

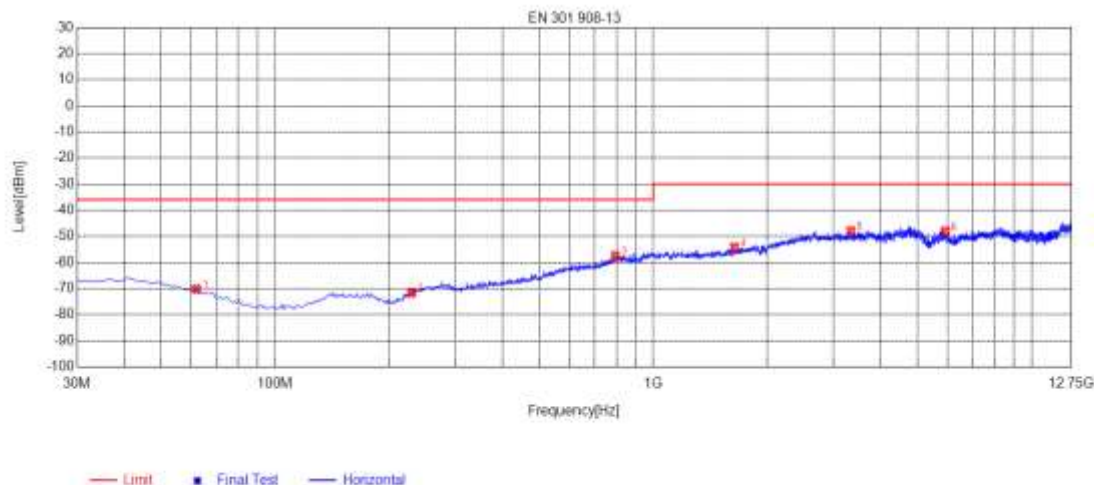
Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-65.44	-65.38	-65.37
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-64.22	-64.27	-64.30
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-65.42	-65.33	-65.37



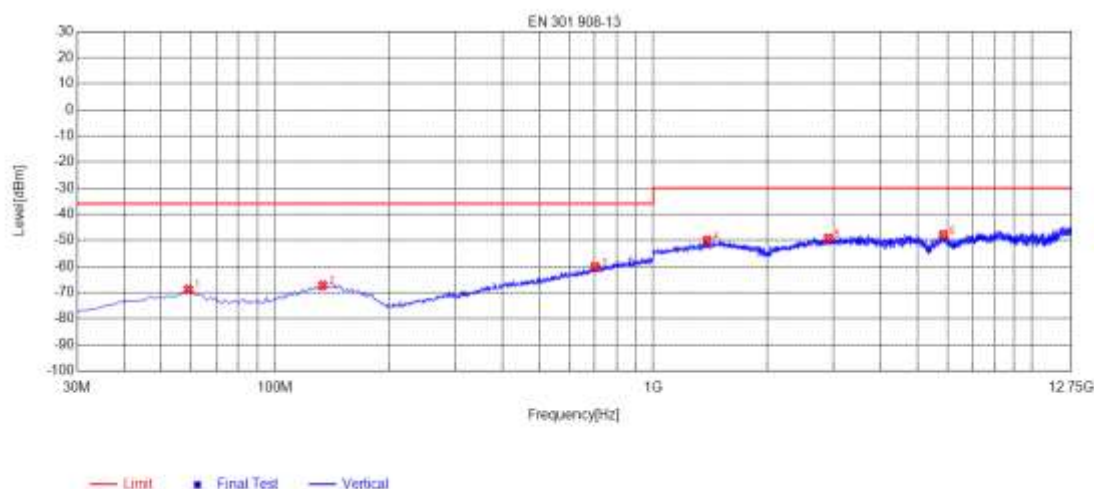
## APPENDIX F. RADIATED SPURIOUS EMISSIONS TEST RESULT

### RADIATED SPURIOUS EMISSIONS LTE BAND 1- HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	62.0100	-100.57	-70.23	-36.00	34.23	30.34	110	Horizontal
2	229.8200	-101.97	-71.65	-36.00	35.65	30.32	35	Horizontal
3	794.3600	-100.70	-57.47	-36.00	21.47	43.23	269	Horizontal
4	1639.3279	-52.07	-54.24	-30.00	24.24	-2.17	68	Horizontal
5	3329.3159	-53.82	-47.94	-30.00	17.94	5.88	360	Horizontal
6	5921.8844	-58.66	-48.00	-30.00	18.00	10.66	135	Horizontal

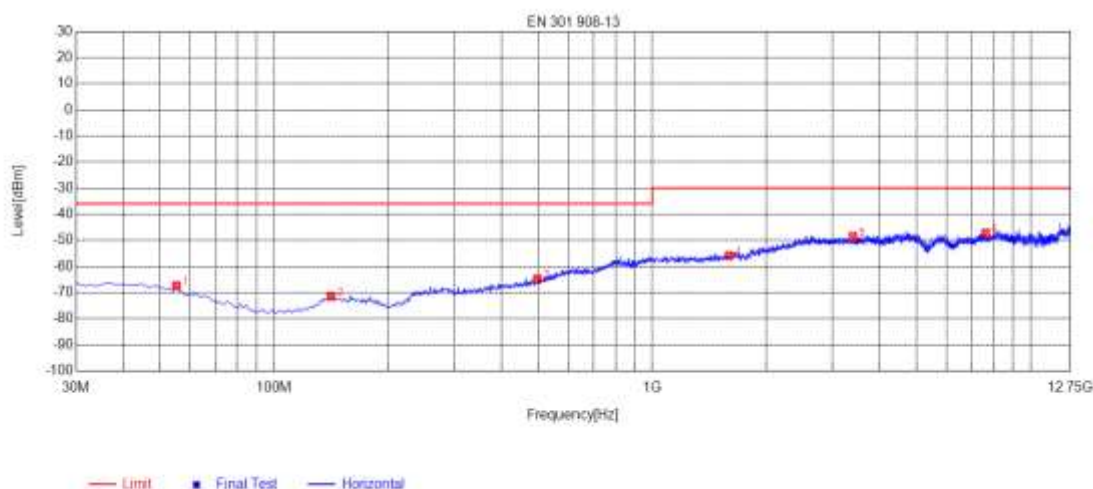
# RADIATED SPURIOUS EMISSIONS LTE BAND 1- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	59.1000	-100.09	-68.85	-36.00	32.85	31.24	39	Vertical
2	133.7900	-101.23	-67.26	-36.00	31.26	33.97	106	Vertical
3	702.2100	-100.67	-60.16	-36.00	24.16	40.51	147	Vertical
4	1390.1780	-51.46	-50.03	-30.00	20.03	1.43	350	Vertical
5	2901.5303	-54.11	-49.22	-30.00	19.22	4.89	214	Vertical
6	5846.6693	-58.54	-47.87	-30.00	17.87	10.67	290	Vertical

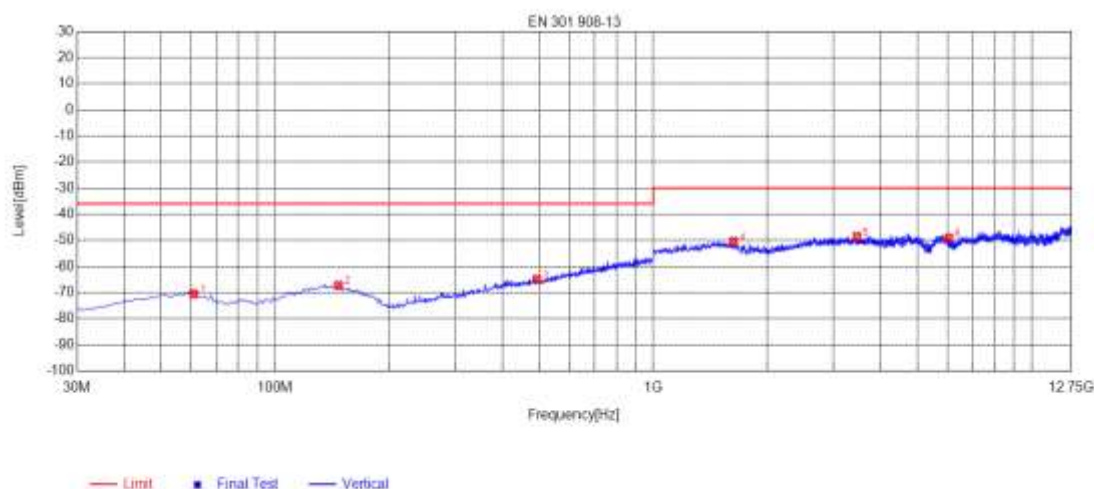


### RADIATED SPURIOUS EMISSIONS LTE BAND 3- HORIZONTAL



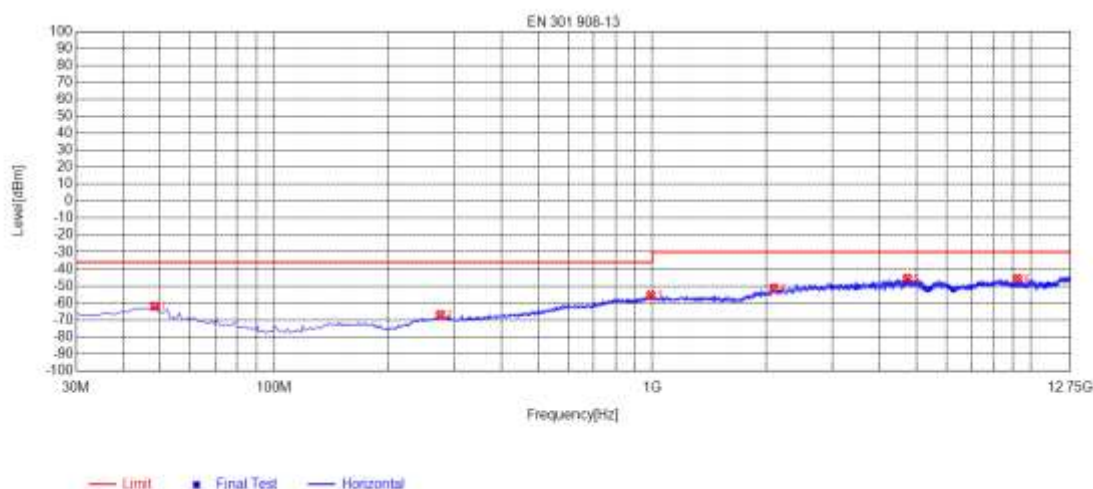
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	55.2200	-99.53	-67.37	-36.00	31.37	32.16	143	Horizontal
2	141.5500	-100.86	-71.49	-36.00	35.49	29.37	109	Horizontal
3	497.5400	-101.13	-64.85	-36.00	28.85	36.28	218	Horizontal
4	1597.0194	-53.41	-55.89	-30.00	25.89	-2.48	9	Horizontal
5	3392.7786	-54.54	-48.55	-30.00	18.55	5.99	59	Horizontal
6	7609.5219	-60.76	-47.27	-30.00	17.27	13.49	67	Horizontal

# RADIATED SPURIOUS EMISSIONS LTE BAND 3- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	61.0400	-101.54	-70.52	-36.00	34.52	31.02	81	Vertical
2	147.3700	-101.13	-67.25	-36.00	31.25	33.88	6	Vertical
3	492.6900	-101.22	-64.93	-36.00	28.93	36.29	351	Vertical
4	1629.9260	-52.10	-50.39	-30.00	20.39	1.71	215	Vertical
5	3453.8908	-54.54	-48.56	-30.00	18.56	5.98	172	Vertical
6	6044.1088	-60.13	-49.14	-30.00	19.14	10.99	164	Vertical

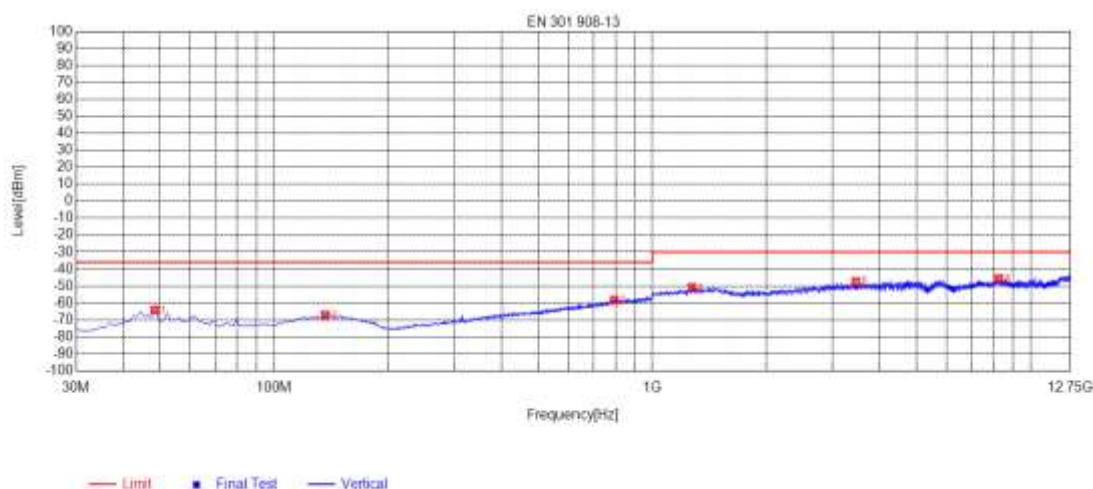
### RADIATED SPURIOUS EMISSIONS LTE BAND 7- HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-95.79	-61.92	-36.00	25.92	33.87	139	Horizontal
2	275.4100	-100.29	-67.00	-36.00	31.00	33.29	165	Horizontal
3	991.2700	-100.38	-55.46	-36.00	19.46	44.92	148	Horizontal
4	2097.6695	-52.61	-51.32	-30.00	21.32	1.29	325	Horizontal
5	4723.1446	-55.16	-45.56	-30.00	15.56	9.60	308	Horizontal
6	9245.4491	-59.88	-45.80	-30.00	15.80	14.08	105	Horizontal

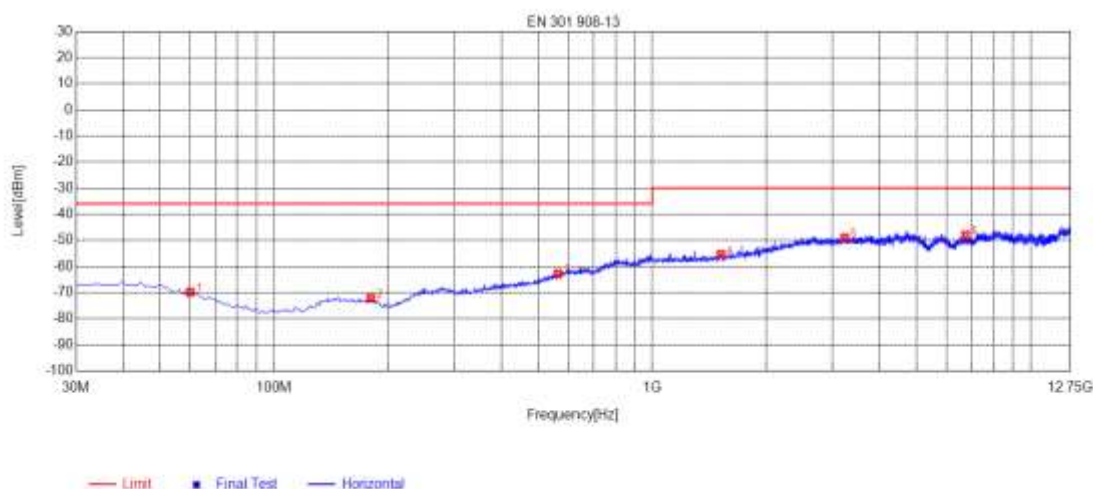


## RADIATED SPURIOUS EMISSIONS LTE BAND 7- VERTICAL



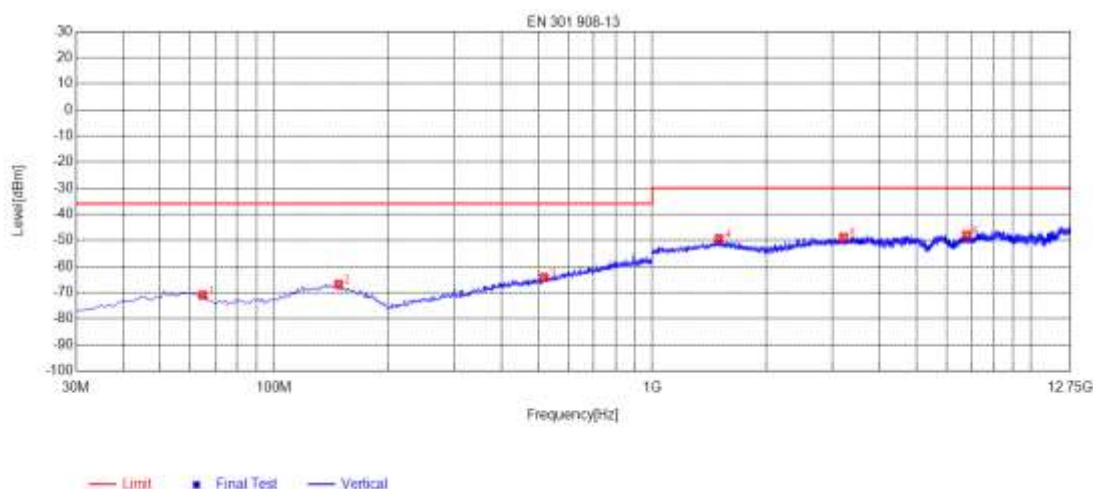
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-93.70	-64.15	-36.00	28.15	29.55	331	Vertical
2	136.7000	-101.29	-67.12	-36.00	31.12	34.17	35	Vertical
3	794.3600	-100.68	-58.42	-36.00	22.42	42.26	188	Vertical
4	1272.6545	-51.53	-50.88	-30.00	20.88	0.65	360	Vertical
5	3453.8908	-53.41	-47.43	-30.00	17.43	5.98	79	Vertical
6	8237.0974	-58.62	-45.73	-30.00	15.73	12.89	9	Vertical

### RADIATED SPURIOUS EMISSIONS LTE BAND 8- HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	60.0700	-100.64	-69.88	-36.00	33.88	30.76	153	Horizontal
2	180.3500	-101.73	-72.24	-36.00	36.24	29.49	360	Horizontal
3	563.5000	-101.37	-62.80	-36.00	26.80	38.57	360	Horizontal
4	1519.4539	-52.29	-55.35	-30.00	25.35	-3.06	263	Horizontal
5	3228.2456	-54.73	-49.03	-30.00	19.03	5.70	10	Horizontal
6	6735.1470	-59.60	-48.00	-30.00	18.00	11.60	255	Horizontal

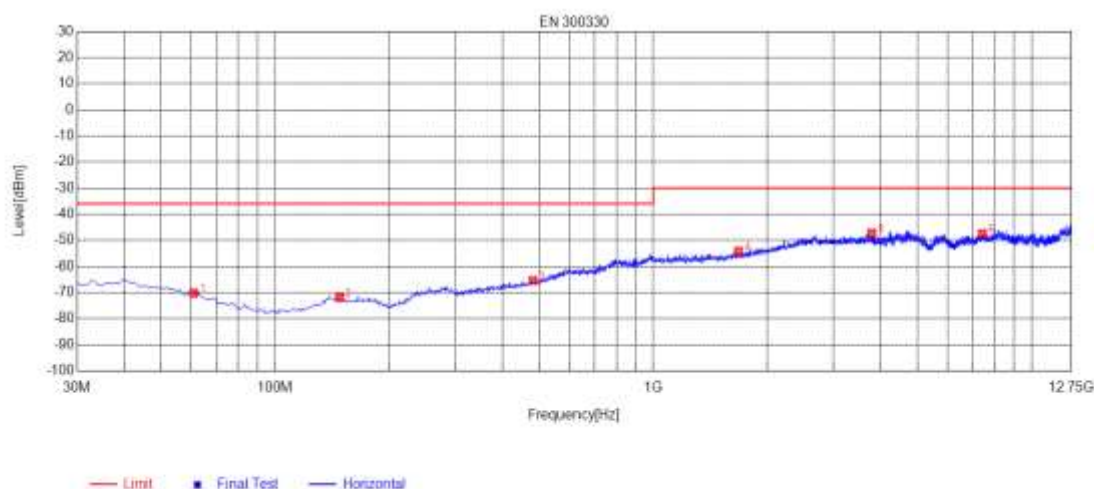
# RADIATED SPURIOUS EMISSIONS LTE BAND 8- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	64.9200	-100.69	-71.03	-36.00	35.03	29.66	351	Vertical
2	148.3400	-100.66	-66.85	-36.00	30.85	33.81	15	Vertical
3	516.9400	-101.00	-64.22	-36.00	28.22	36.78	0	Vertical
4	1500.6501	-51.49	-49.33	-30.00	19.33	2.16	166	Vertical
5	3202.3905	-54.41	-48.86	-30.00	18.86	5.55	183	Vertical
6	6770.4041	-59.90	-47.97	-30.00	17.97	11.93	191	Vertical

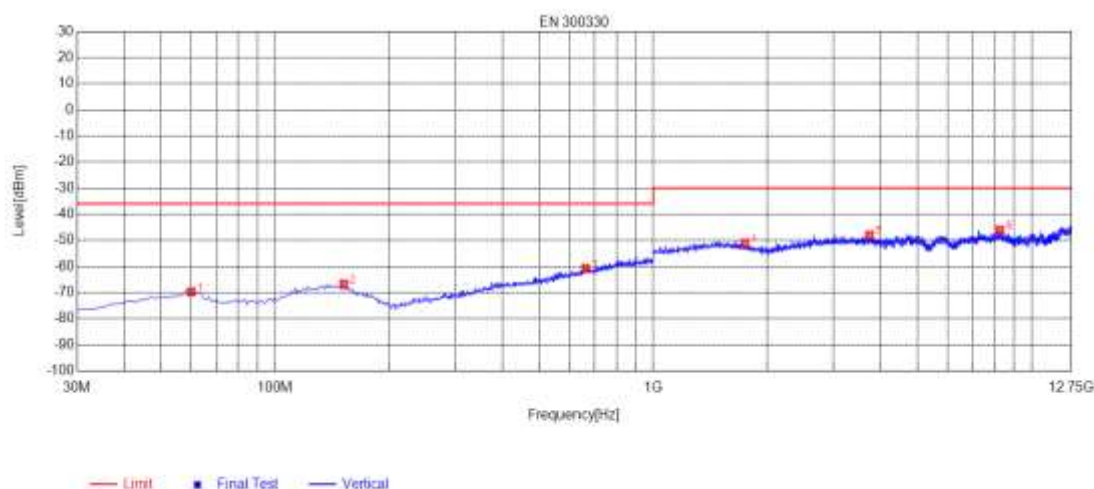


## RADIATED SPURIOUS EMISSIONS LTE BAND 20- HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	61.0400	-100.81	-70.26	-36.00	34.26	30.55	60	Horizontal
2	148.3400	-101.31	-71.96	-36.00	35.96	29.35	261	Horizontal
3	481.0500	-101.41	-65.44	-36.00	29.44	35.97	35	Horizontal
4	1681.6363	-52.34	-54.19	-30.00	24.19	-1.85	278	Horizontal
5	3785.3071	-54.31	-47.23	-30.00	17.23	7.08	219	Horizontal
6	7412.0824	-60.73	-47.42	-30.00	17.42	13.31	360	Horizontal

## RADIATED SPURIOUS EMISSIONS LTE BAND 20- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	60.0700	-101.08	-69.72	-36.00	33.72	31.36	14	Vertical
2	152.2200	-100.27	-66.72	-36.00	30.72	33.55	0	Vertical
3	662.4400	-100.61	-60.80	-36.00	24.80	39.81	266	Vertical
4	1747.4495	-52.37	-51.08	-30.00	21.08	1.29	114	Vertical
5	3733.5967	-54.65	-48.02	-30.00	18.02	6.63	182	Vertical
6	8244.1488	-59.00	-46.10	-30.00	16.10	12.90	258	Vertical

**APPENDIX G: PHOTOGRAPHS OF TEST SETUP**  
**RADIATED SPURIOUS EMISSION TEST**



**RADIATED SPURIOUS EMISSION ABOVE 1G TEST**



**----END OF REPORT----**