

# RF Test Report

Report No.: AGC00552180502EE10

**PRODUCT DESIGNATION** : Smart Phone  
**BRAND NAME** : CUBOT  
**MODEL NAME** : P20  
**MANUFACTURER** : Shenzhen Huafurui Technology Co., Ltd.  
**DATE OF ISSUE** : Jun. 04, 2018  
**STANDARD(S)** : EN 301 908-1 V11.1.1 (2016-07)  
: EN 301 908-13 V11.1.2 (2017-07)  
**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	/	Jun. 04, 2018	Valid	Initial release

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## 1. TEST REPORT CERTIFICATION

<b>Manufacturer</b>	Shenzhen Huafurui Technology Co., Ltd.
<b>Address</b>	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
<b>Factory Name</b>	Shenzhen Huafurui Technology Co., Ltd.
<b>Address</b>	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
<b>Product Designation</b>	Smart Phone
<b>Brand Name</b>	CUBOT
<b>Test Model</b>	P20
<b>Date of test</b>	May 18, 2018 to May 30, 2018
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Report Template</b>	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.

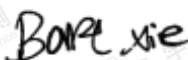
Tested By



Donjon Huang(Huang Dongyang)

May 30, 2018

Reviewed By



Bart Xie(Xie Xiaobin)

Jun. 04, 2018

Approved By



 Forrest Lei(Lei Yonggang)  
 Authorized Officer

Jun. 04, 2018

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## 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>	CUBOT
<b>Test Model</b>	P20
<b>Product Type</b>	LTE
<b>Hardware Version</b>	HCT-S590MB-A2
<b>Software Version</b>	CUBOT_P20_8023C_V02_20180504
<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>	2.43dBi(Band 1); 0.5dBi(Band 3); 2.39dBi(Band 7);-0.49dBi(Band 8); -0.88dBi(Band 20)
<b>Diversity Antenna Gain</b>	0.84dBi(Band 1); 0.98dBi(Band 3); -1.62dBi(Band 7);-2.55dBi(Band 8); -2.61dBi(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 for GSM/WCDMA/LTE.
<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.

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## 2.1.2. PHOTOGRAPHS OF THE EUT

Please see APPENX 1 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

<b>Sample Reference Number</b>	A01
<b>Factory Name</b>	Shenzhen Huafului Technology Co., Ltd.
<b>Test Model</b>	P20
<b>Product Type</b>	FDD Band 1, FDD Band 3, FDD Band 7, FDD Band 8, FDD Band 20
<b>Frequency Bands</b>	QPSK/16QAM;

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## 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

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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.

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### 3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location-1</b>	2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China
<b>Location-2</b>	B112-B113, Building 12, Baoan Building Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen, Guangdong, P.R.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	Mar. 01, 2018	Feb. 28, 2019
2	Wireless communication test CMW500	R&S	120909	July 13, 2017	July 12, 2018
3	Wireless communication test set 8960	Agilent	GB46200384	July 16, 2017	July 15, 2018
4	Power Splitter 7100LC	KALMUS	04-02/17-06-001	June 29, 2017	June 28, 2018
5	Attenuator	JFW	50FHC-006-50	June 20, 2017	June 19, 2018
6	Vector Signal Generator SMU200A	R&S	104332	Sep. 21, 2017	Sep. 20, 2018
7	Wireless Communications Test Set 8960	AGILENT	GB42361316	Mar. 01, 2018	Feb. 28, 2019
8	EXA Signal Analyzer N9010A	Agilent	MY53470504	Dec. 17, 2016	Dec. 16, 2017
8	EXA Signal Analyzer N9010A	Agilent	MY53470504	Dec. 08, 2017	Dec. 07, 2018
9	MXG Vector Signal Generator N5182A	AGILENT	MY50140530	Sep. 21, 2017	Sep. 20, 2018
10	PSG Analog Signal Generator E8257D	AGILENT	MY45141029	Sep. 21, 2017	Sep. 20, 2018
11	MXA Signal Analyzer N9020A	AGILENT	W1312-60196	Mar. 01, 2018	Feb. 28, 2019
12	Universal Switch Control Unit	JS TONSCEND	N/A	---	---
13	RF SHIELD BOX	R&S	1204.7008K02-1 02590-EE	Mar. 01, 2018	Feb. 28, 2019
14	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug. 23, 2017	Aug. 22, 2018
15	Vibration Source SCU-200	SUSHI	3000-40-07	Mar. 01, 2018	Feb. 28, 2019

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No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
16	Attenuator	JFW	50FHC-006-50	June 20, 2017	June 19, 2018
17	EMI Test Receiver	ESCI	100694	June 29, 2017	June 28, 2018
18	Double-Ridged Waveguide Horn Antenna 3117	ETS LINDGREN	00034609	Mar. 01, 2018	Feb. 28, 2020
19	Broadband Antenna VULB9168	SCHWARZBECK	D69250	Mar. 01, 2018	Feb. 28, 2020
20	Triple Loop Antenna RF300	LAPLACE	N/A	Mar. 01, 2018	Feb. 28, 2020
21	Artificial Mains Network ENV4200	R&S	101116	July.16, 2017	July.15, 2018
22	Artificial Mains Network ENV216	R&S	101242	July.16, 2017	July.15, 2018
23	Filter Bank Notch 1(880-915MHz)	MICRO-TRONIC S	010	Mar. 01, 2018	Feb. 28, 2019
24	Filter Bank Notch 2(1710-1785MHz)	MICRO-TRONIC S	009	Mar. 01, 2018	Feb. 28, 2019
25	Filter Bank Notch 3(1920-1980MHz)	MICRO-TRONIC S	008	Mar. 01, 2018	Feb. 28, 2019

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#### 4. MEASUREMENT UNCERTAINTY

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

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## 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 covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements
2	ETSI EN 301 908-13	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; 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	20 ... 75 %
Air Pressure	980 ... 1020 hPa
Adapter Test Model Name	P20
Details of Power Supply(Rated Input)	AC100-240V, 50/60Hz, 0.3A
Details of Power Supply(Rated Output)	DC5.0V,2000mA
Extreme Temperature	Low Temperature (TL) = -20°C Normal Temperature(TN) = 25 °C High Temperature (TH) = +55°C
Extreme Voltage of the EUT	Normal Voltage= DC 3.80V Limit Voltage = DC 4.35V
<b>Note:</b> The Limit Voltage 4.35V was declared by manufacturer, The EUT couldn't be operate normally with higher voltage.	

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### 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

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#### 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

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**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

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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	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.12	Receiver Reference Sensitivity Level	1.4MHz 5MHz 20MHz	NTC	A01	PASS

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

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Test 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

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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	1.4MHz 5MHz 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

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Test 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	--

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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	5MHz 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. Note: All the SIM Cards had been tested, but the worst test result is SIM Card 1 and recorded in the test report.

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## Appendix A for Band 1

### 1. Transmitter Maximum Output Power

#### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

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		
HTHV	QPSK	5 MHz	Low range	1	0	22.73	Pass
					max	22.75	Pass
				Partial	0	22.78	Pass
					max	22.84	Pass
			Mid range	1	0	22.77	Pass
					max	22.70	Pass
				Partial	0	22.84	Pass
					max	22.75	Pass
			High range	1	0	22.11	Pass
					max	21.98	Pass
				Partial	0	22.25	Pass
					max	22.11	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		
HTHV	QPSK	20 MHz	Low range	1	0	22.98	Pass
					max	23.08	Pass
				Partial	0	22.85	Pass
					max	22.89	Pass
			Mid range	1	0	23.10	Pass
					max	22.79	Pass
				Partial	0	22.96	Pass
					max	22.71	Pass
			High range	1	0	22.72	Pass
					max	22.23	Pass
				Partial	0	22.61	Pass
					max	22.09	Pass

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## 2. Transmitter Minimum Output Power

### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTHV

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		
LTHV	QPSK	5 MHz	Low range	Full	0	-49.87	Pass
			Mid range	Full	0	-52.76	Pass
			High range	Full	0	-52.04	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		
LTHV	QPSK	20MHz	Low range	Full	0	-51.30	Pass
			Mid range	Full	0	-52.86	Pass
			High range	Full	0	-51.60	Pass

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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTN

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

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			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

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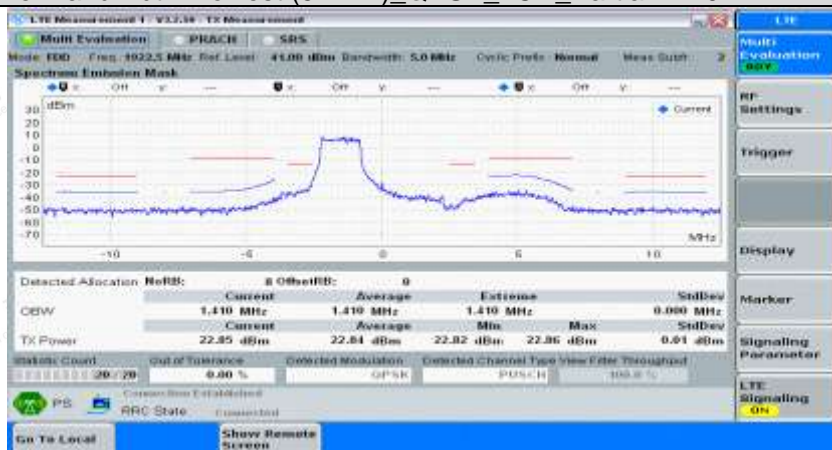
## Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

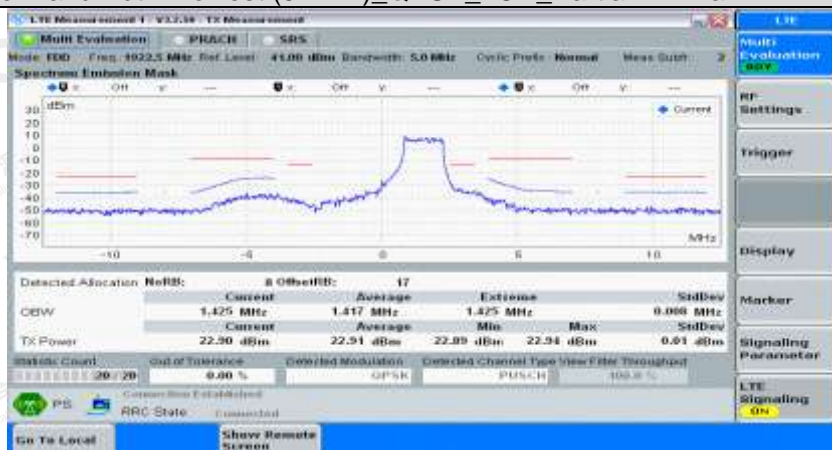
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0

QPSK



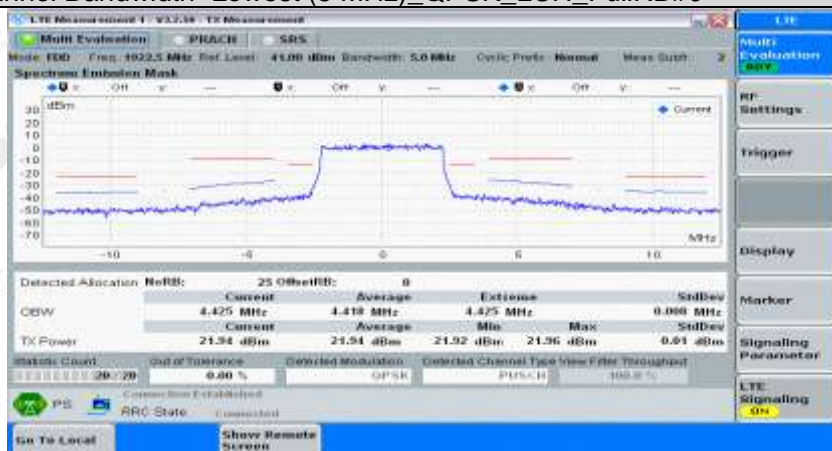
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QPSK



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

QPSK



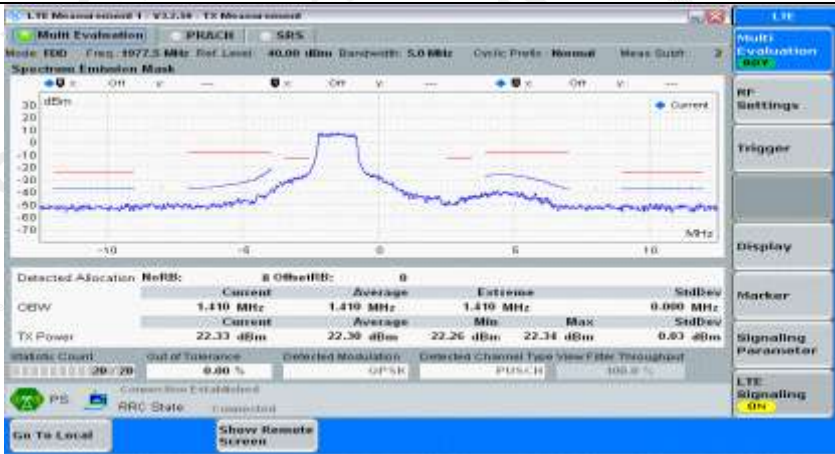
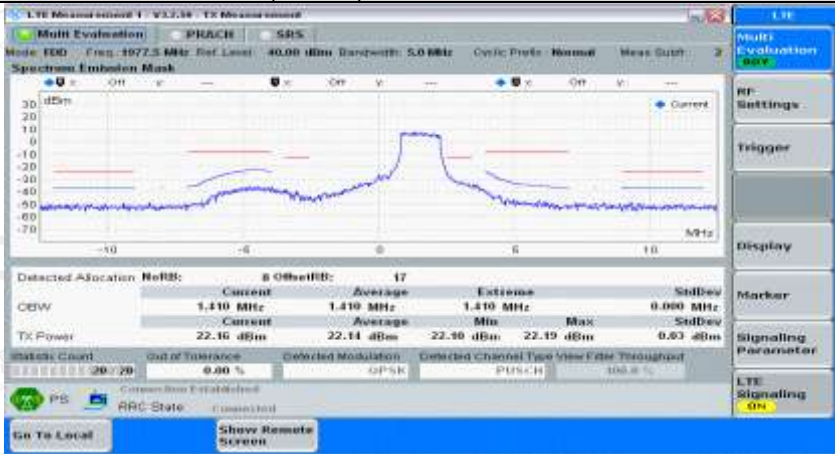
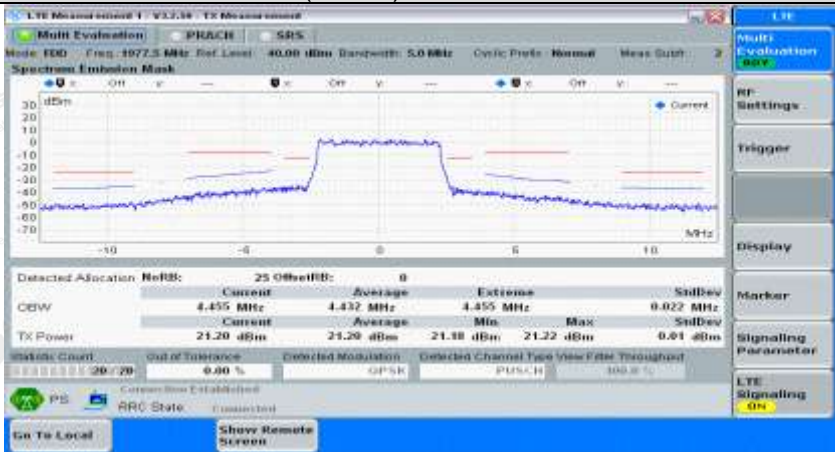
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_PartialRB#0

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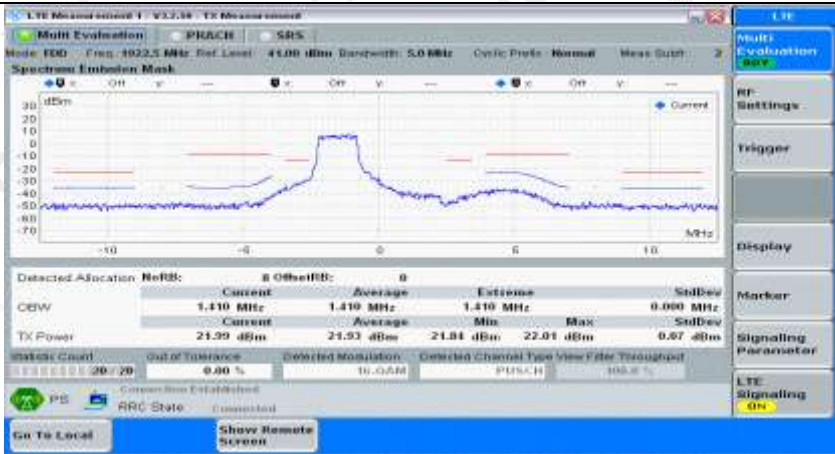

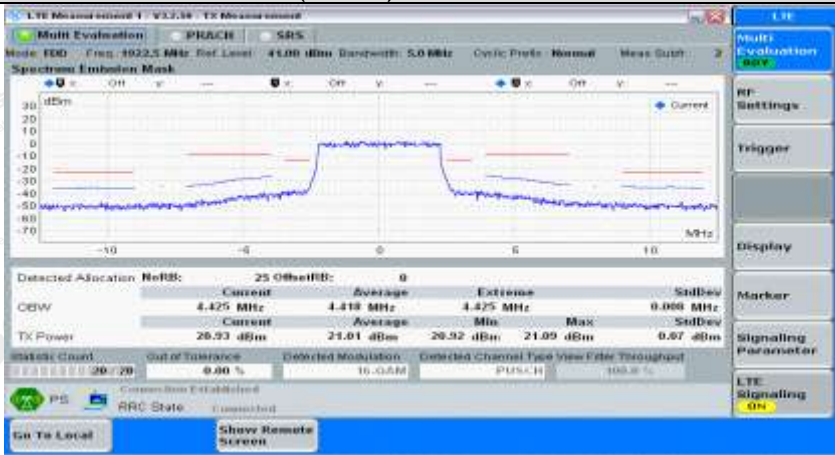
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	

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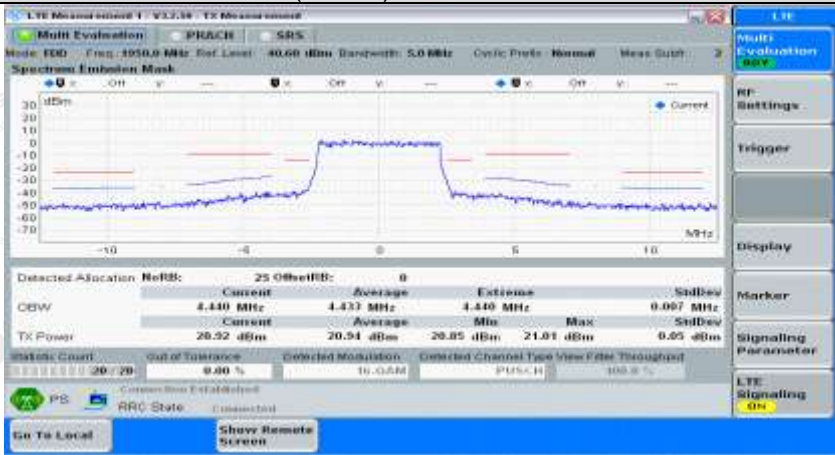
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

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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	

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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	

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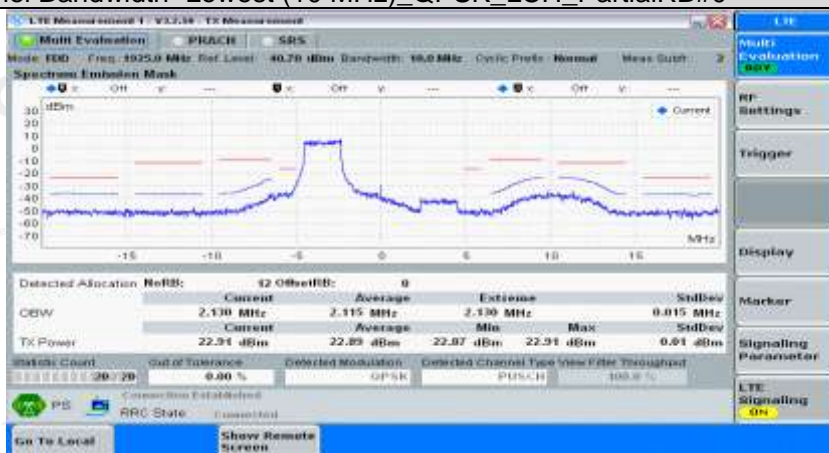
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**Channel Bandwidth= (10 MHz)**

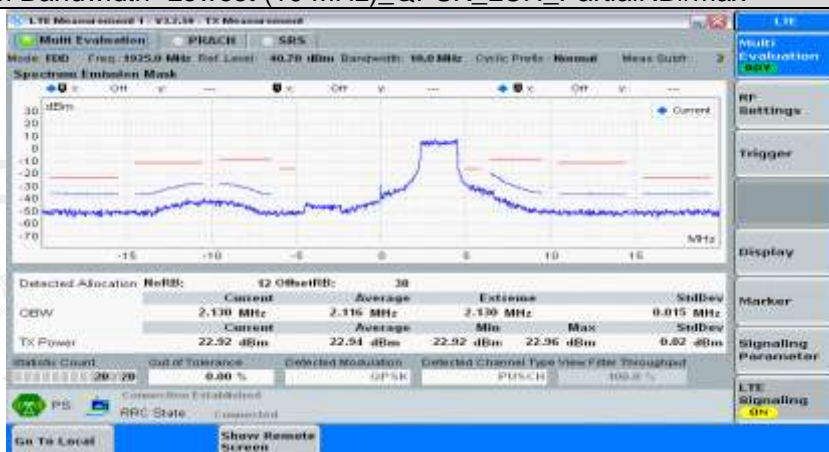
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



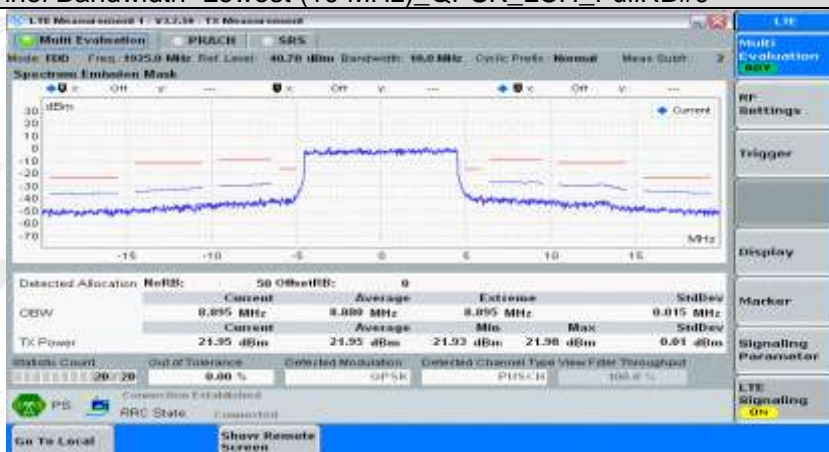
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK



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

QPSK



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

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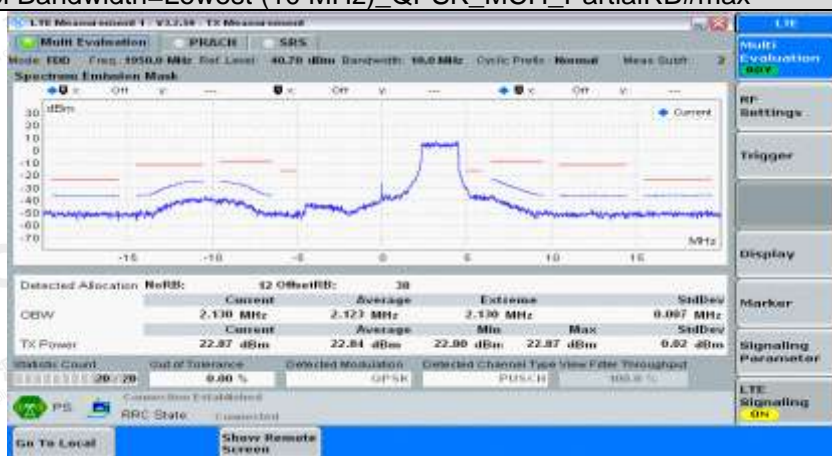


QPSK



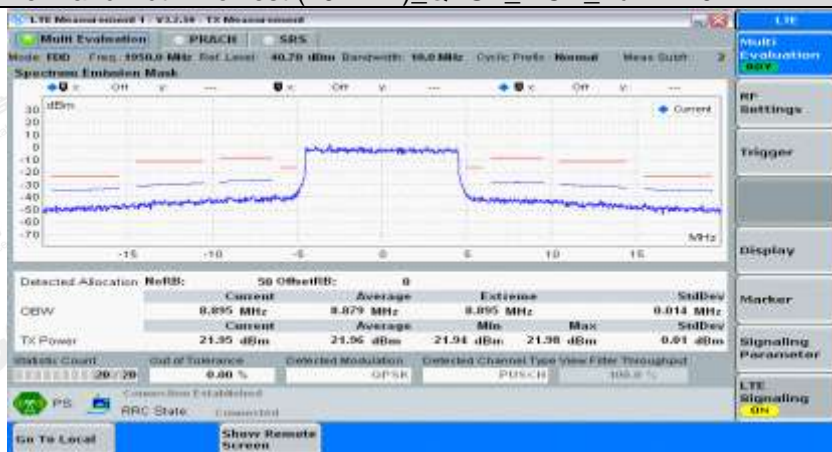
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



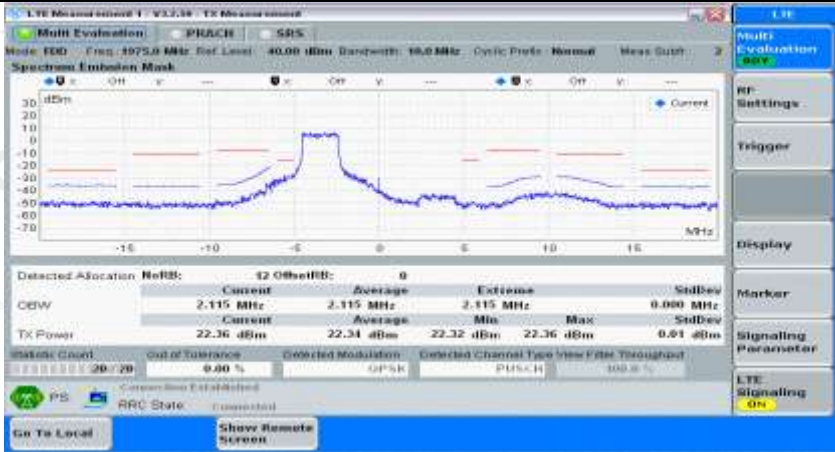
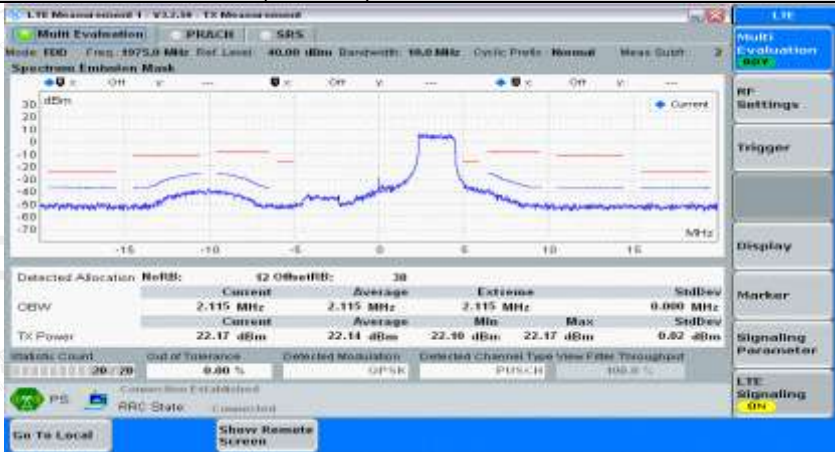
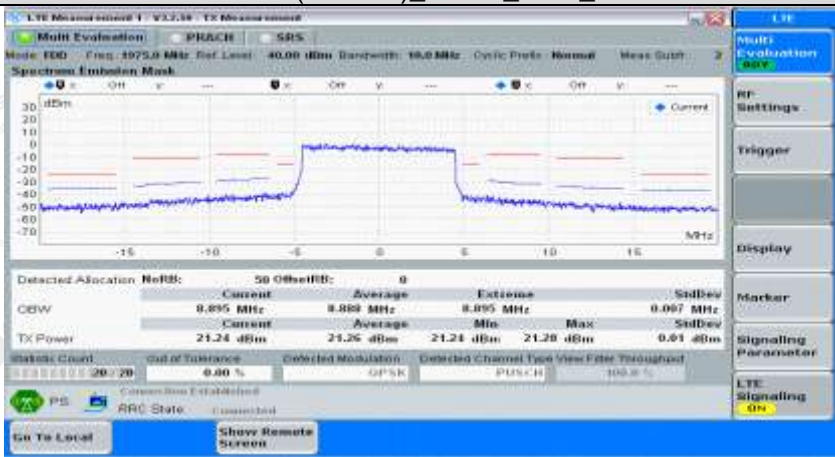
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_FullRB#0

QPSK



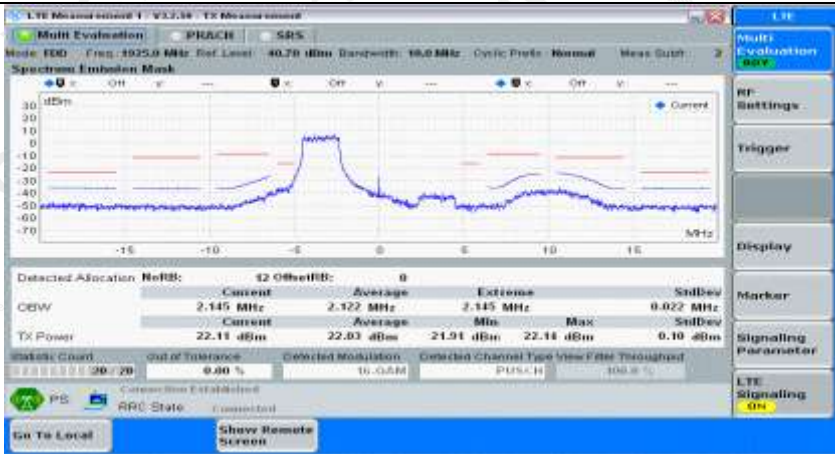
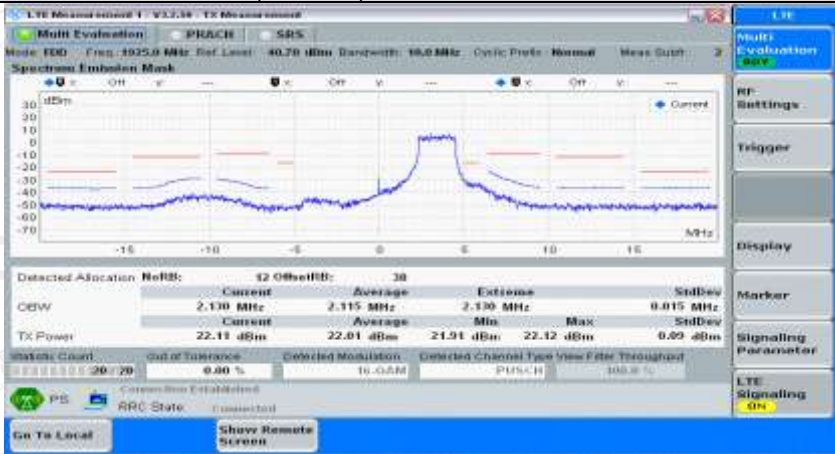
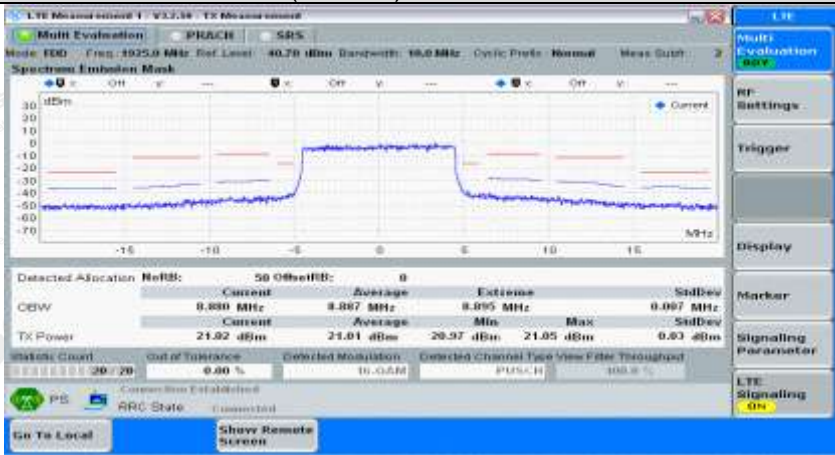
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_HCH\_PartialRB#0

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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	

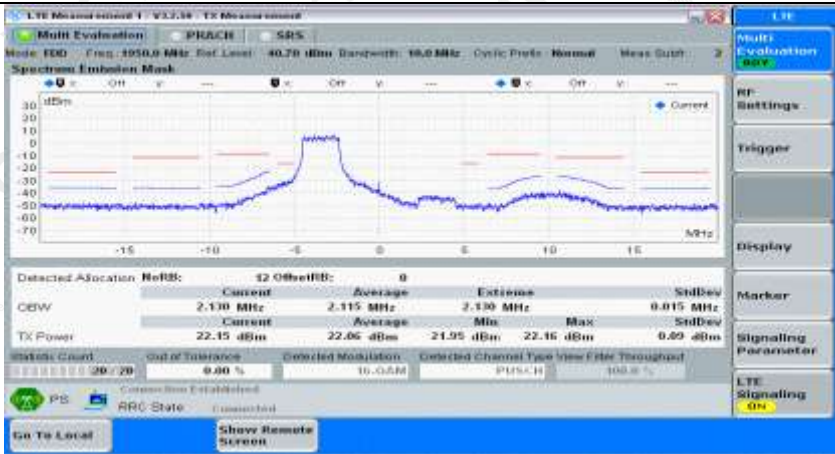
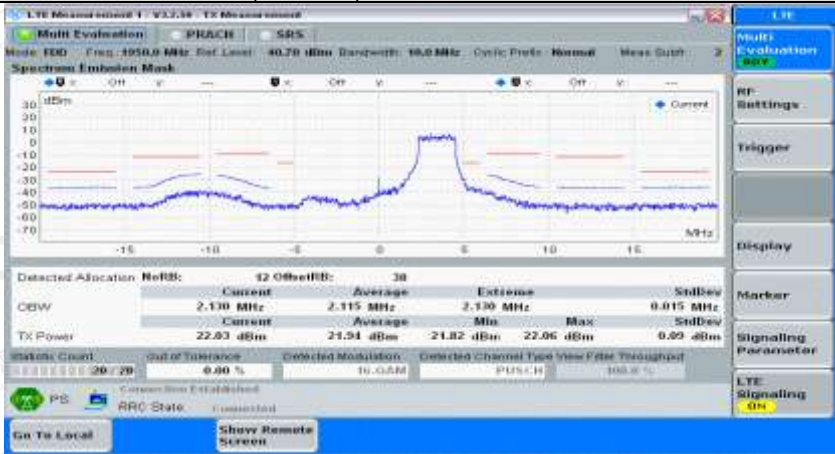
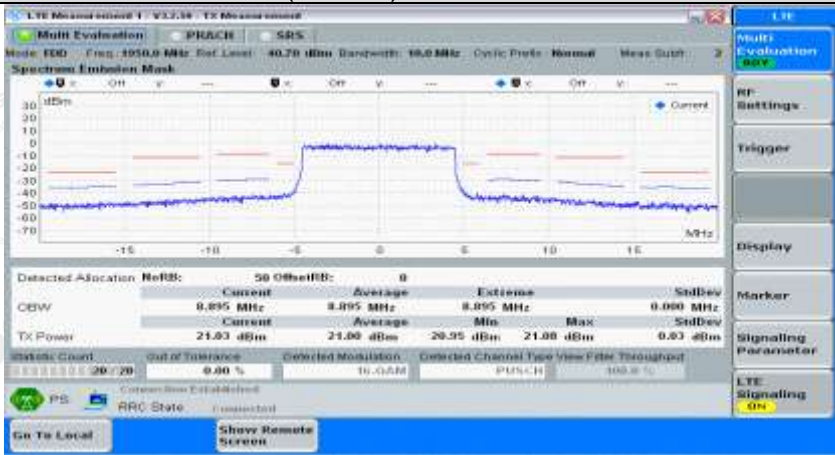
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16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

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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	

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

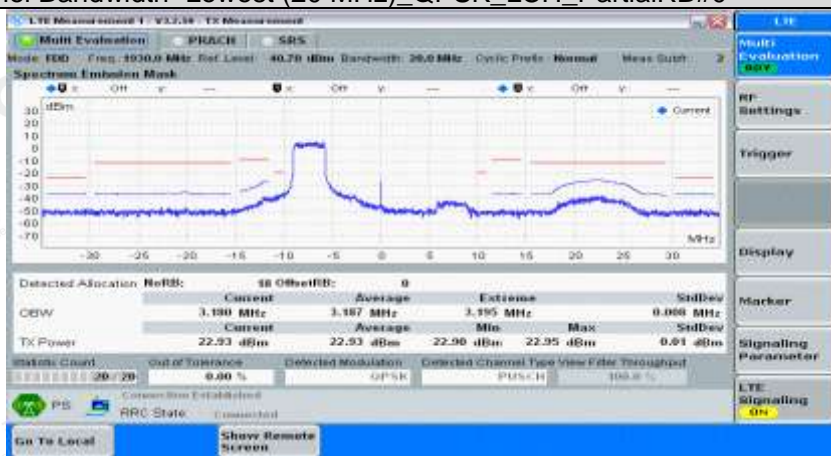
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**Channel Bandwidth=Highest (20 MHz)**

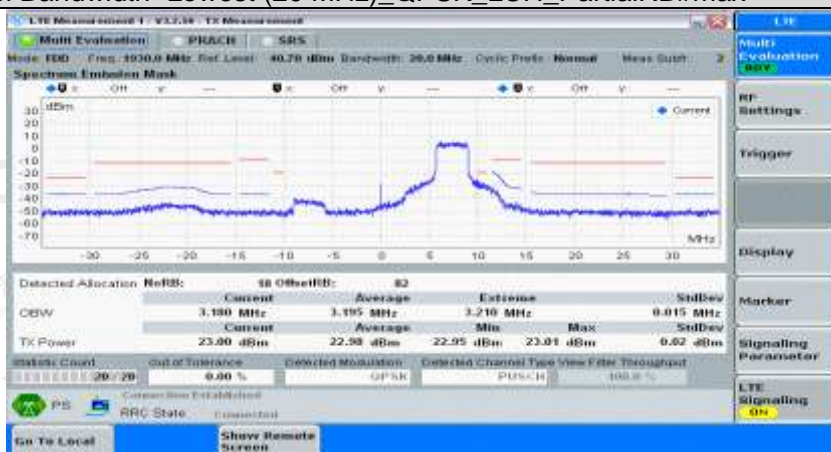
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



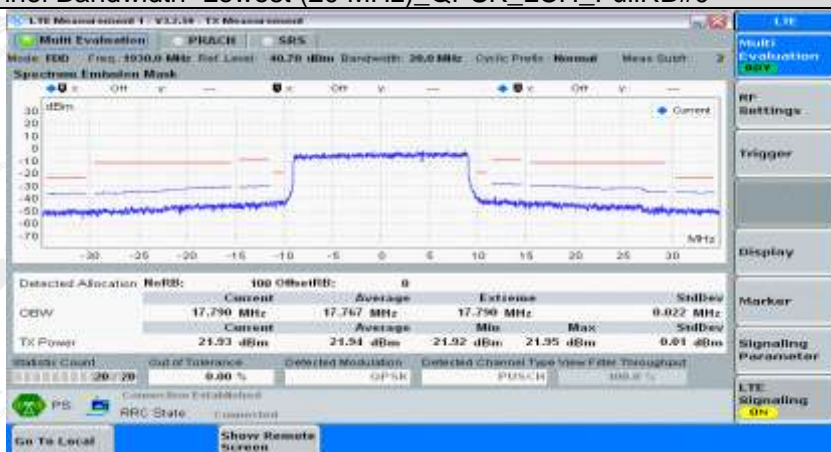
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK



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

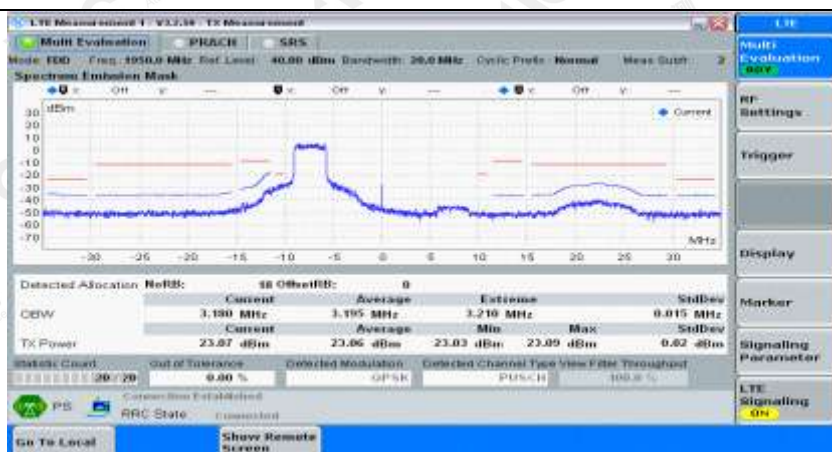
QPSK



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

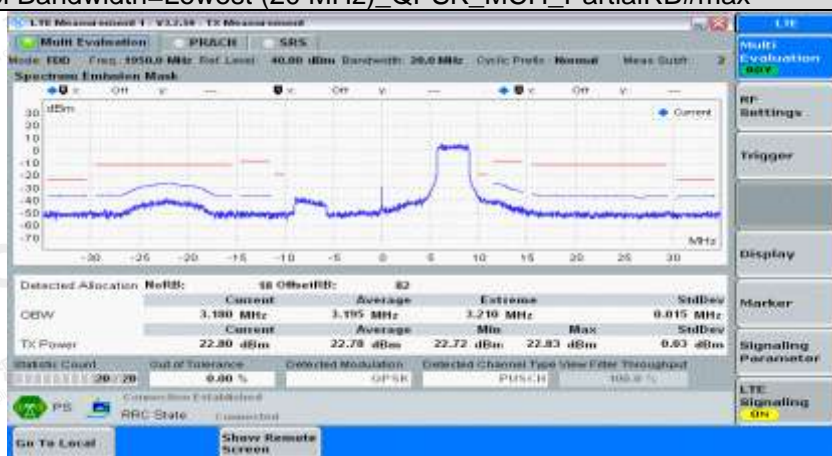
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

QPSK



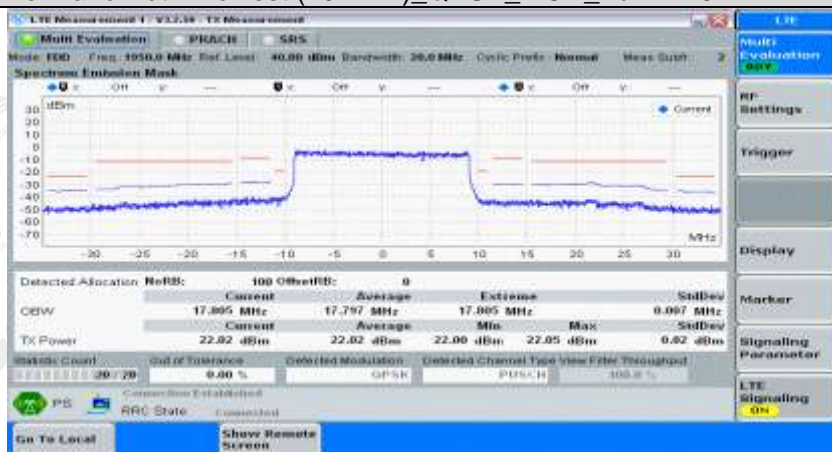
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



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

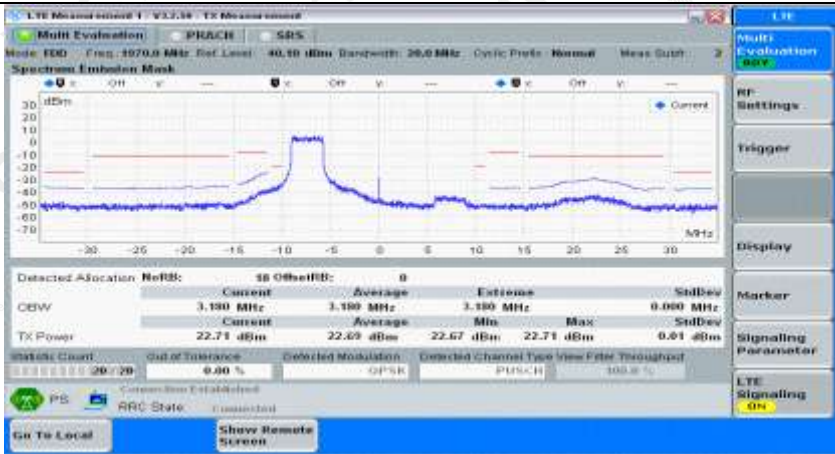
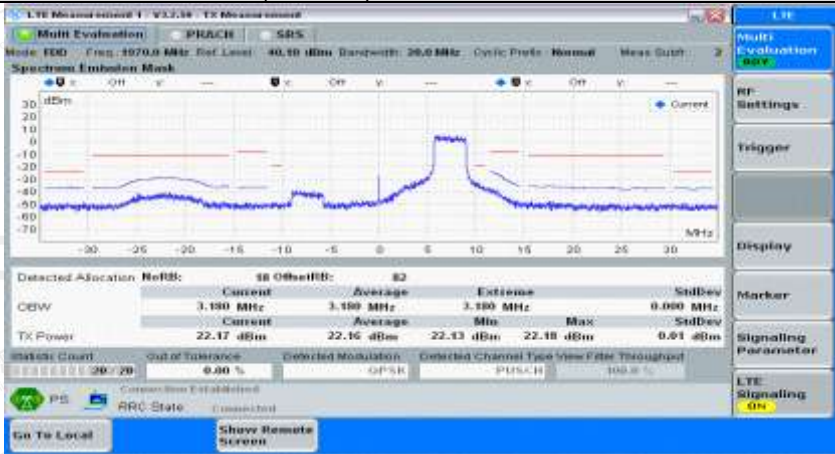
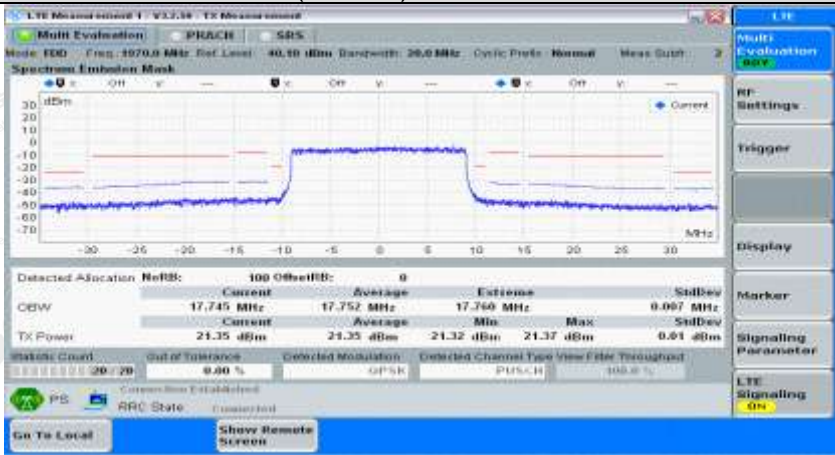
QPSK




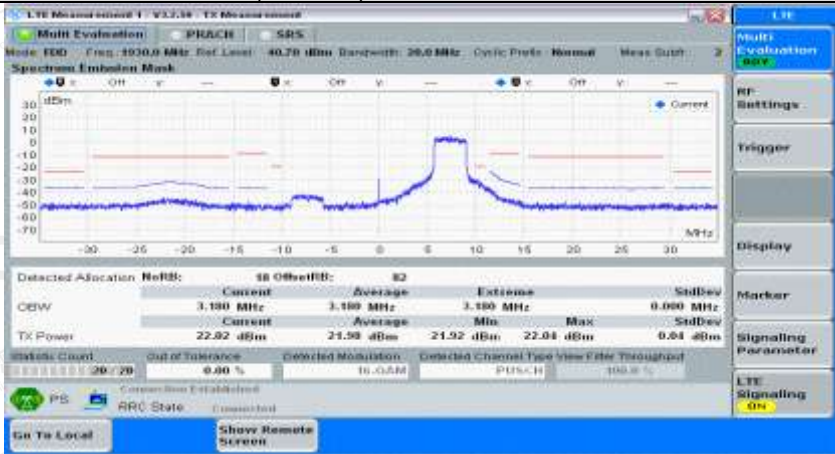
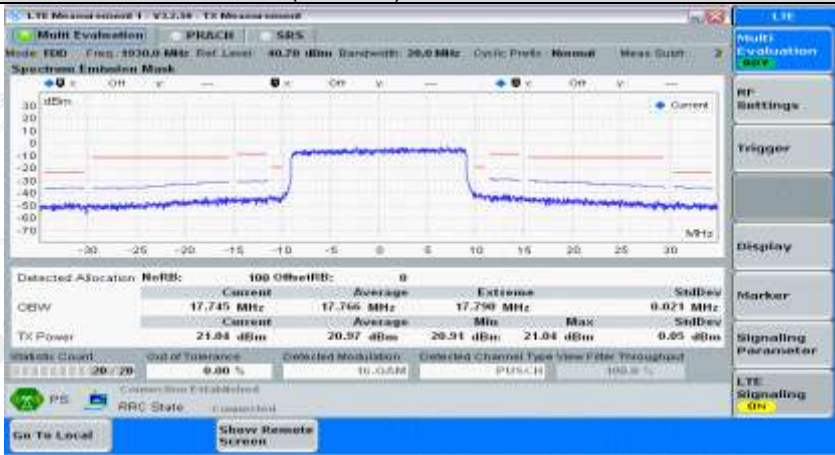
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_HCH\_PartialRB#0

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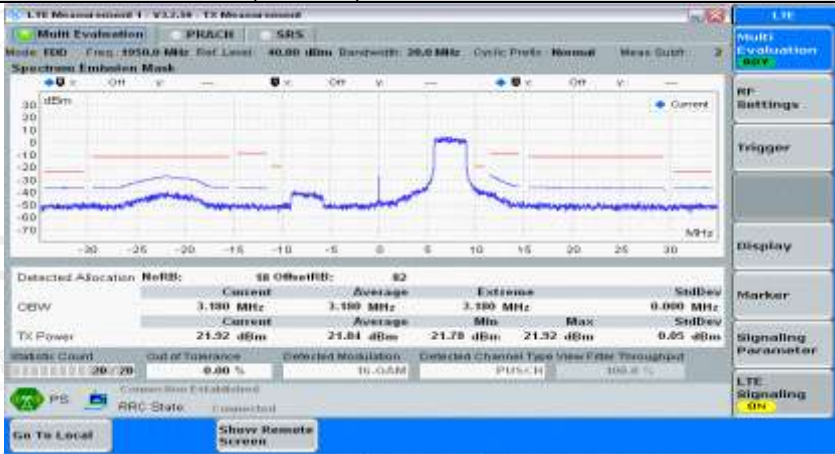
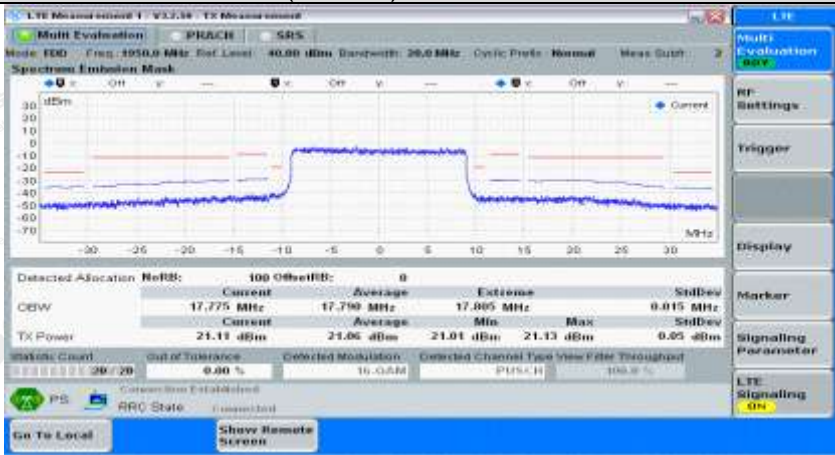
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	

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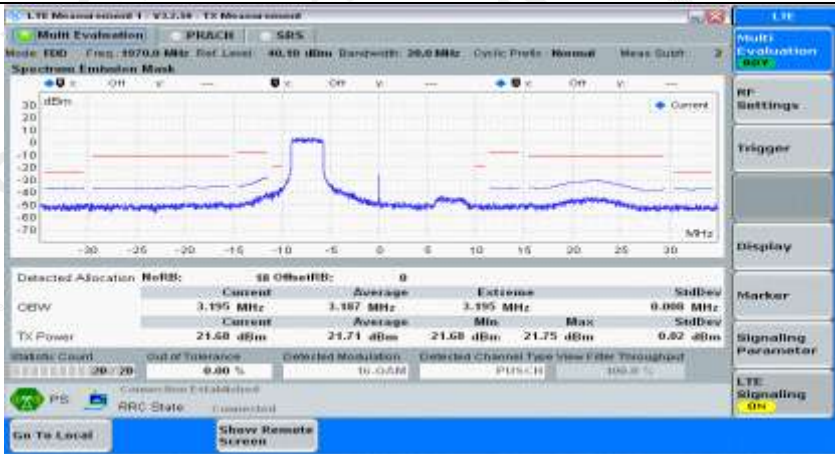
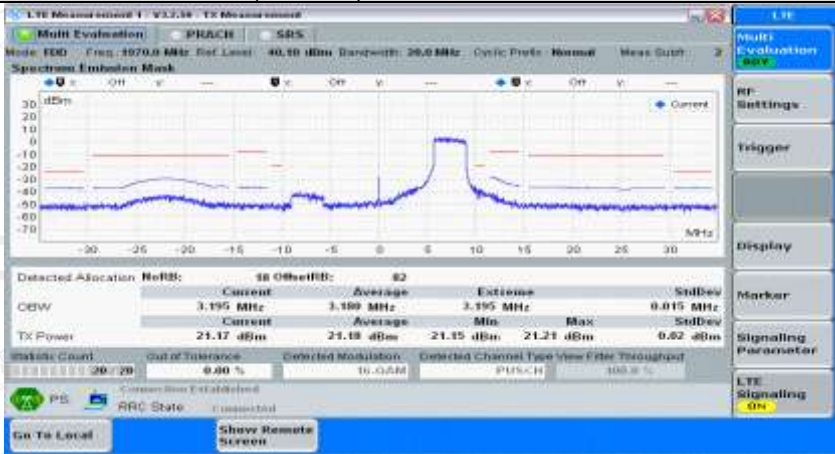
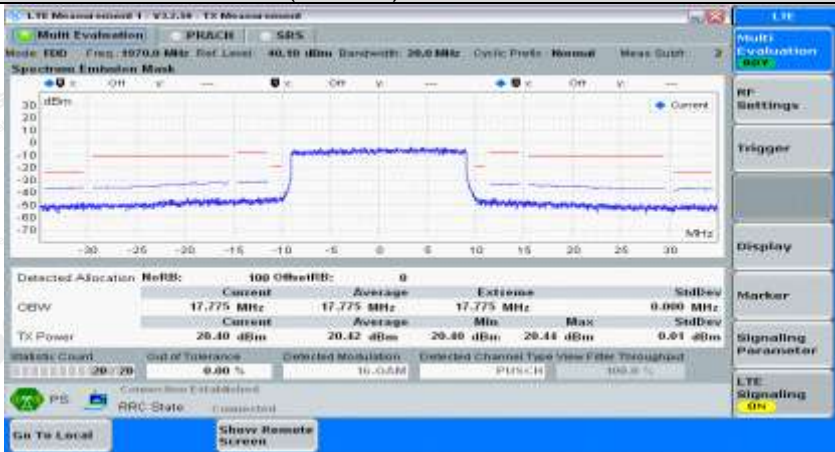
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	

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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	

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

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

##### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

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		
HTHV	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		
HTHV	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

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			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

**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		
HTHV	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

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## Test Graphs

HTHV

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



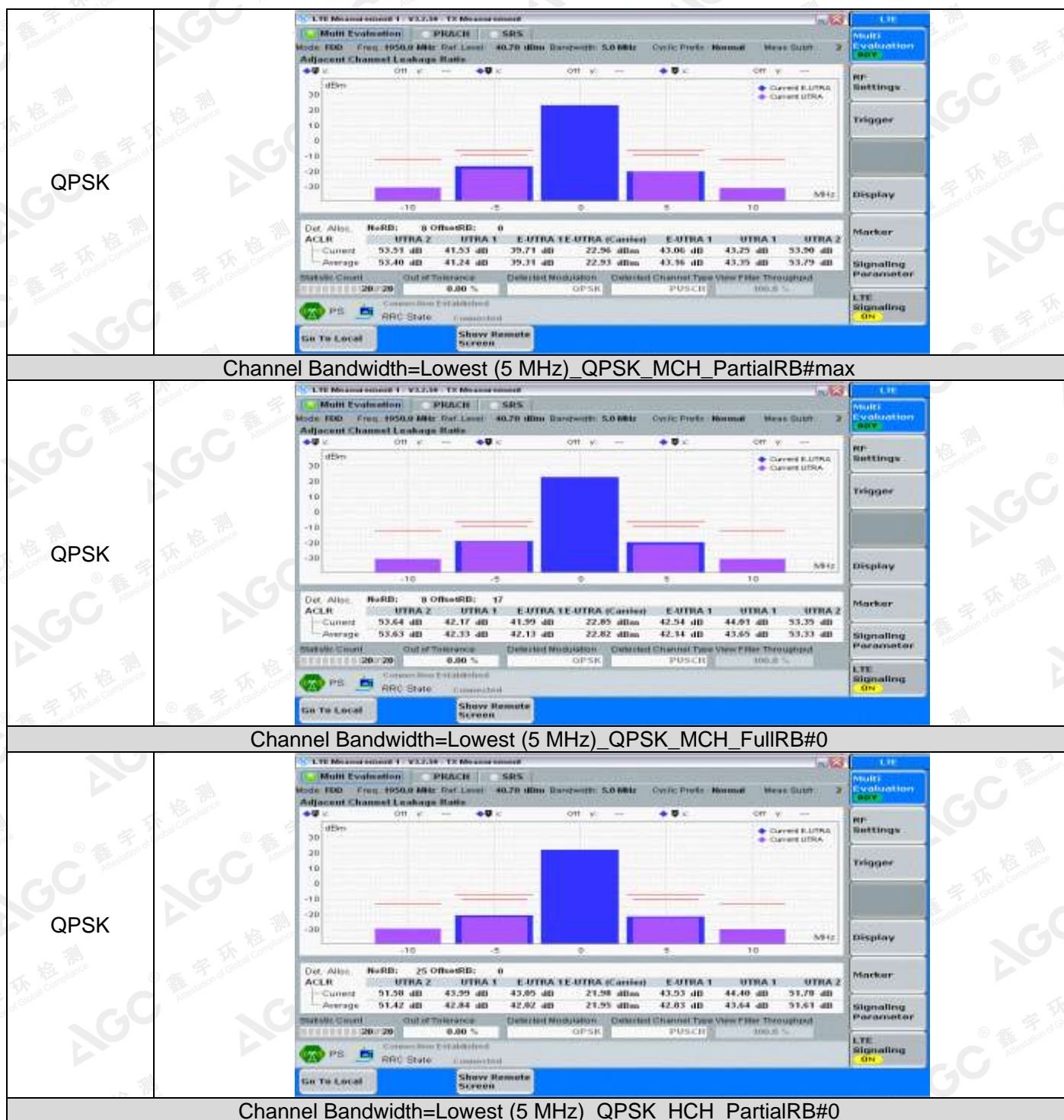
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_FullRB#0

QPSK






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

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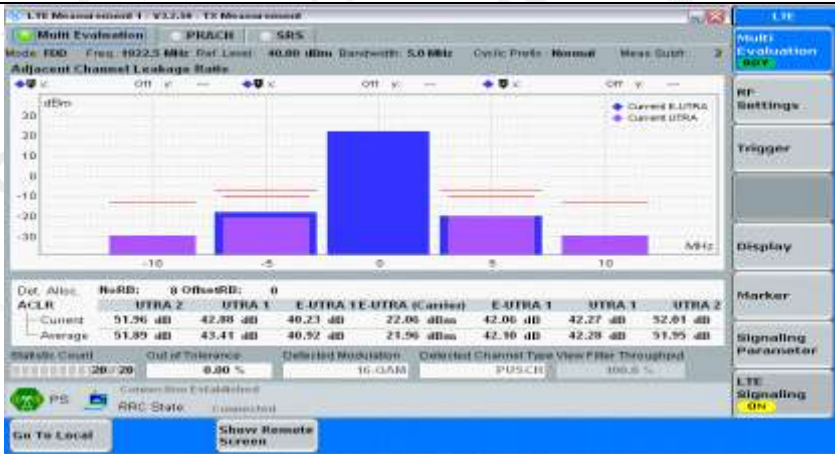


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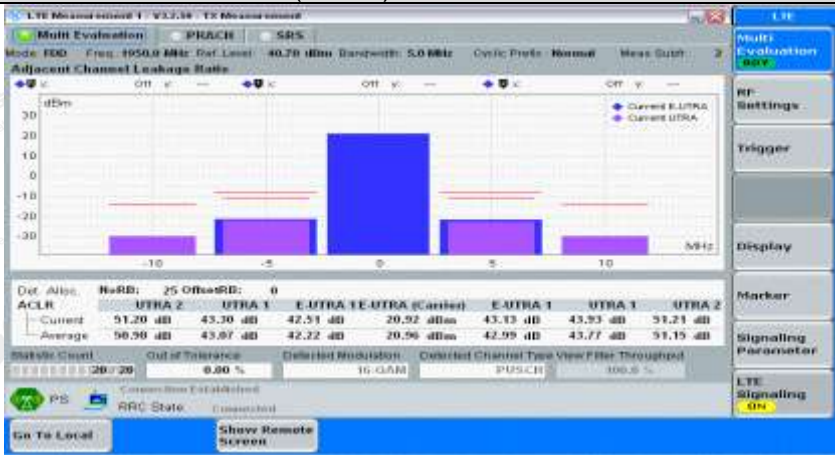
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>

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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>

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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>

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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

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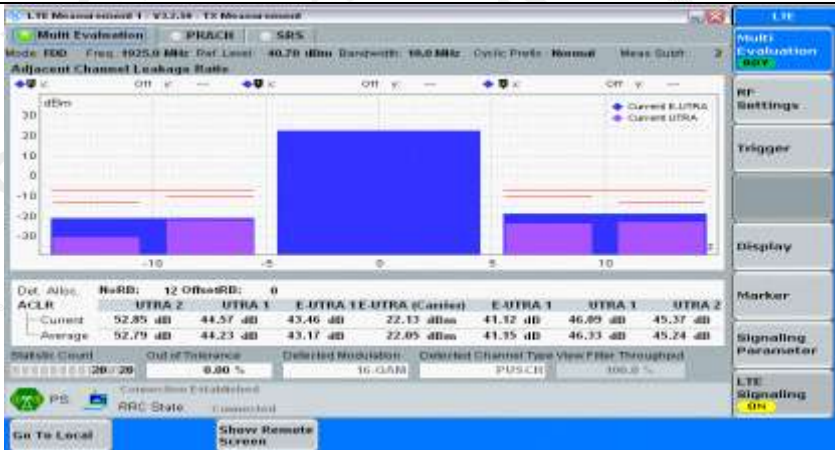


QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>

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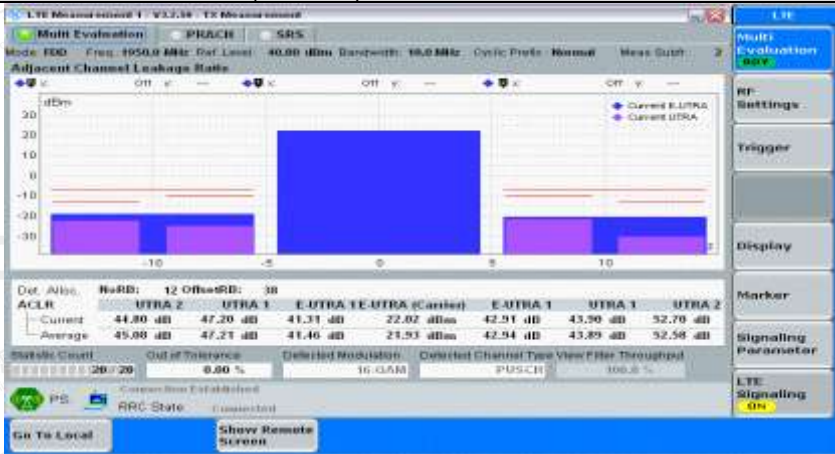
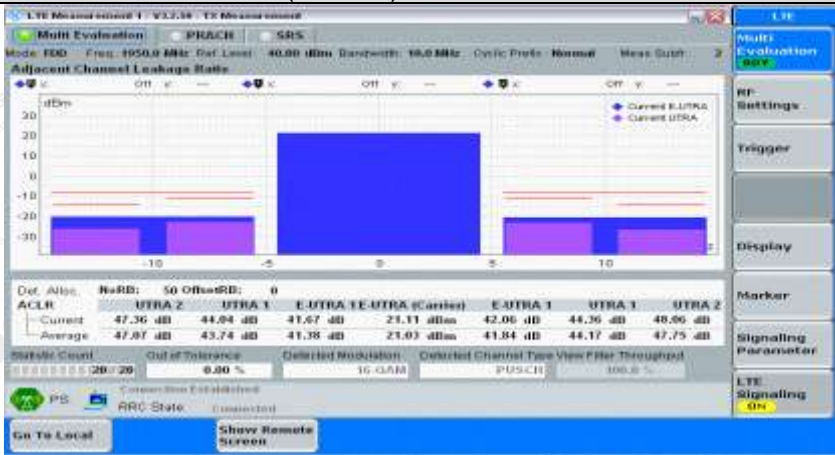
QPSK	 <table><tr><th>Det. Allos.</th><th>NARF:</th><th>12 OffsetRB:</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA TE-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.86 dB</td><td>40.12 dB</td><td>39.46 dB</td><td>22.35 dBm</td><td>45.26 dB</td><td>50.87 dB</td><td>49.27 dB</td><td></td><td></td></tr><tr><td>Average</td><td>53.79 dB</td><td>40.14 dB</td><td>39.52 dB</td><td>22.34 dBm</td><td>45.41 dB</td><td>50.13 dB</td><td>49.51 dB</td><td></td><td></td></tr></table>	Det. Allos.	NARF:	12 OffsetRB:	0	UTRA 2	UTRA 1	E-UTRA TE-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.86 dB	40.12 dB	39.46 dB	22.35 dBm	45.26 dB	50.87 dB	49.27 dB			Average	53.79 dB	40.14 dB	39.52 dB	22.34 dBm	45.41 dB	50.13 dB	49.51 dB		
Det. Allos.	NARF:	12 OffsetRB:	0	UTRA 2	UTRA 1	E-UTRA TE-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	53.86 dB	40.12 dB	39.46 dB	22.35 dBm	45.26 dB	50.87 dB	49.27 dB																								
Average	53.79 dB	40.14 dB	39.52 dB	22.34 dBm	45.41 dB	50.13 dB	49.51 dB																								
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max																															
QPSK	 <table><tr><th>Det. Allos.</th><th>NARF:</th><th>12 OffsetRB:</th><th>30</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA TE-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>45.83 dB</td><td>46.75 dB</td><td>41.70 dB</td><td>22.18 dBm</td><td>43.60 dB</td><td>44.47 dB</td><td>53.77 dB</td><td></td><td></td></tr><tr><td>Average</td><td>45.90 dB</td><td>46.88 dB</td><td>41.77 dB</td><td>22.15 dBm</td><td>43.56 dB</td><td>44.36 dB</td><td>53.73 dB</td><td></td><td></td></tr></table>	Det. Allos.	NARF:	12 OffsetRB:	30	UTRA 2	UTRA 1	E-UTRA TE-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	45.83 dB	46.75 dB	41.70 dB	22.18 dBm	43.60 dB	44.47 dB	53.77 dB			Average	45.90 dB	46.88 dB	41.77 dB	22.15 dBm	43.56 dB	44.36 dB	53.73 dB		
Det. Allos.	NARF:	12 OffsetRB:	30	UTRA 2	UTRA 1	E-UTRA TE-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	45.83 dB	46.75 dB	41.70 dB	22.18 dBm	43.60 dB	44.47 dB	53.77 dB																								
Average	45.90 dB	46.88 dB	41.77 dB	22.15 dBm	43.56 dB	44.36 dB	53.73 dB																								
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0																															
QPSK	 <table><tr><th>Det. Allos.</th><th>NARF:</th><th>50 OffsetRB:</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA TE-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>46.77 dB</td><td>42.88 dB</td><td>40.54 dB</td><td>21.26 dBm</td><td>43.97 dB</td><td>46.82 dB</td><td>50.69 dB</td><td></td><td></td></tr><tr><td>Average</td><td>47.01 dB</td><td>43.07 dB</td><td>40.95 dB</td><td>21.25 dBm</td><td>44.11 dB</td><td>46.17 dB</td><td>50.24 dB</td><td></td><td></td></tr></table>	Det. Allos.	NARF:	50 OffsetRB:	0	UTRA 2	UTRA 1	E-UTRA TE-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	46.77 dB	42.88 dB	40.54 dB	21.26 dBm	43.97 dB	46.82 dB	50.69 dB			Average	47.01 dB	43.07 dB	40.95 dB	21.25 dBm	44.11 dB	46.17 dB	50.24 dB		
Det. Allos.	NARF:	50 OffsetRB:	0	UTRA 2	UTRA 1	E-UTRA TE-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	46.77 dB	42.88 dB	40.54 dB	21.26 dBm	43.97 dB	46.82 dB	50.69 dB																								
Average	47.01 dB	43.07 dB	40.95 dB	21.25 dBm	44.11 dB	46.17 dB	50.24 dB																								
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0																															

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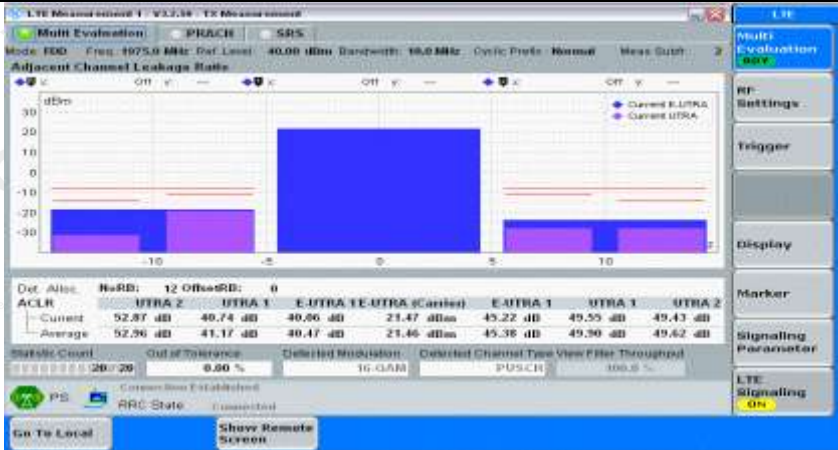

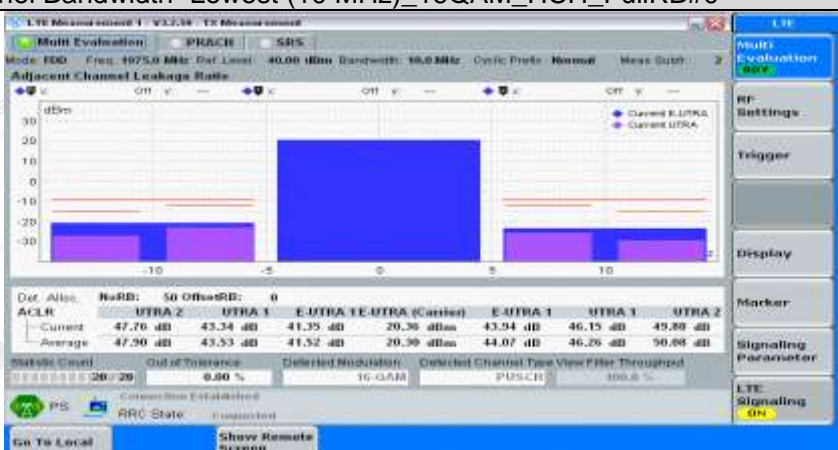
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

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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>

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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	

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**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**

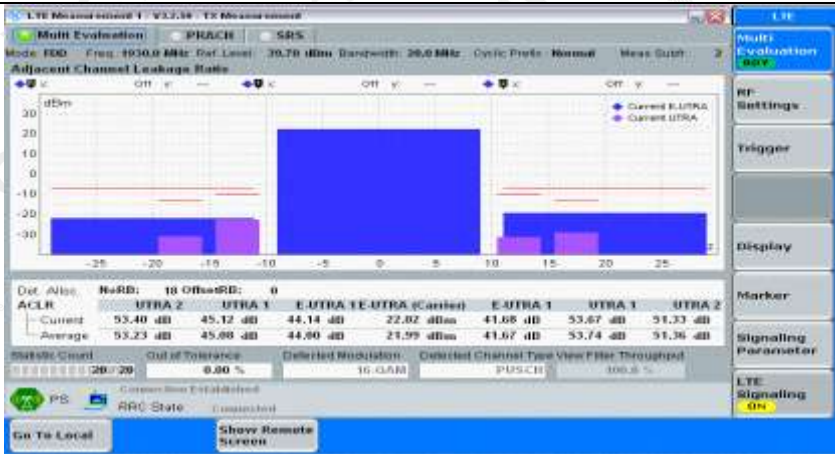
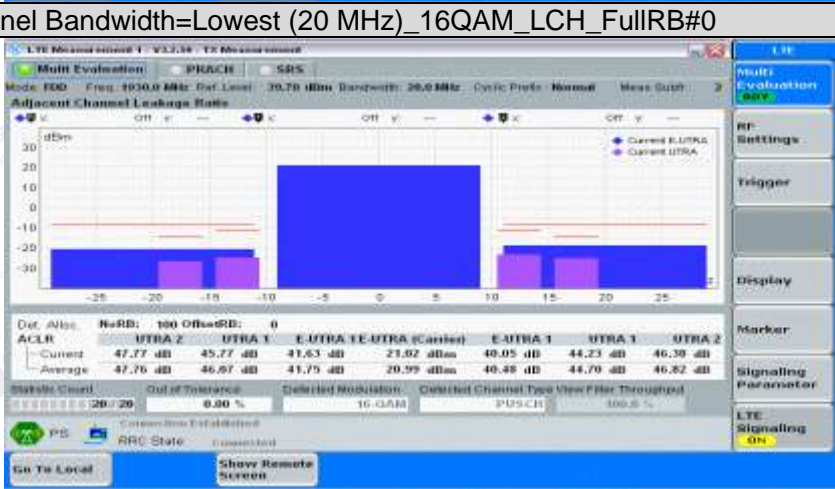
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

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>

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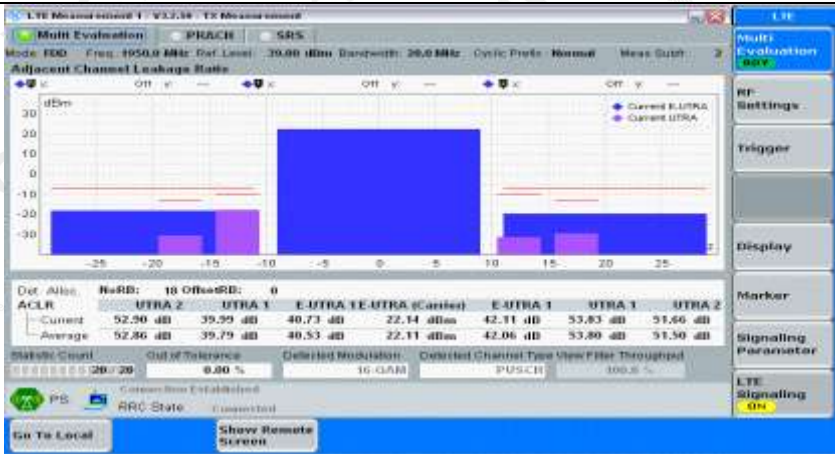
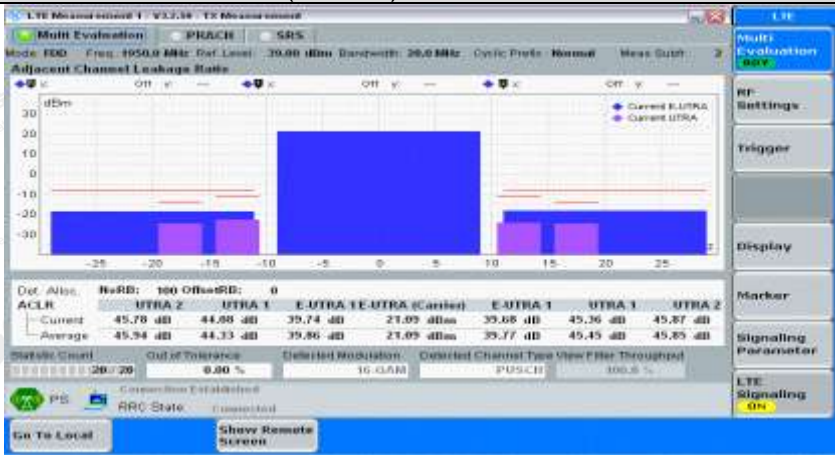






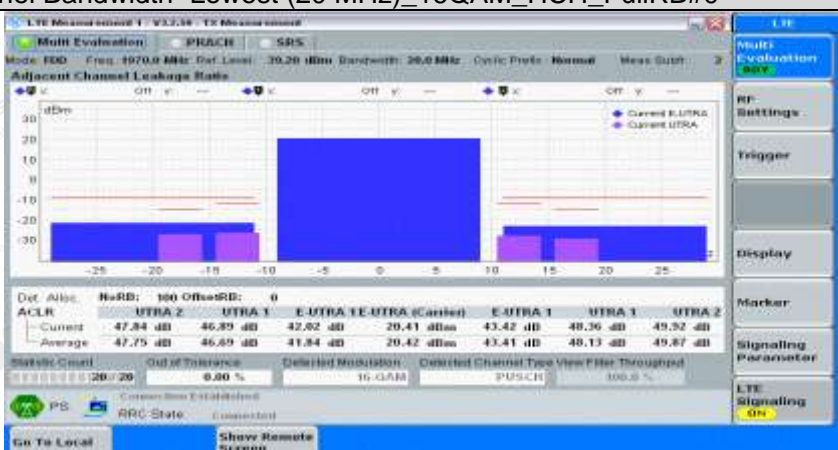
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>

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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>

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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	

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## 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)**

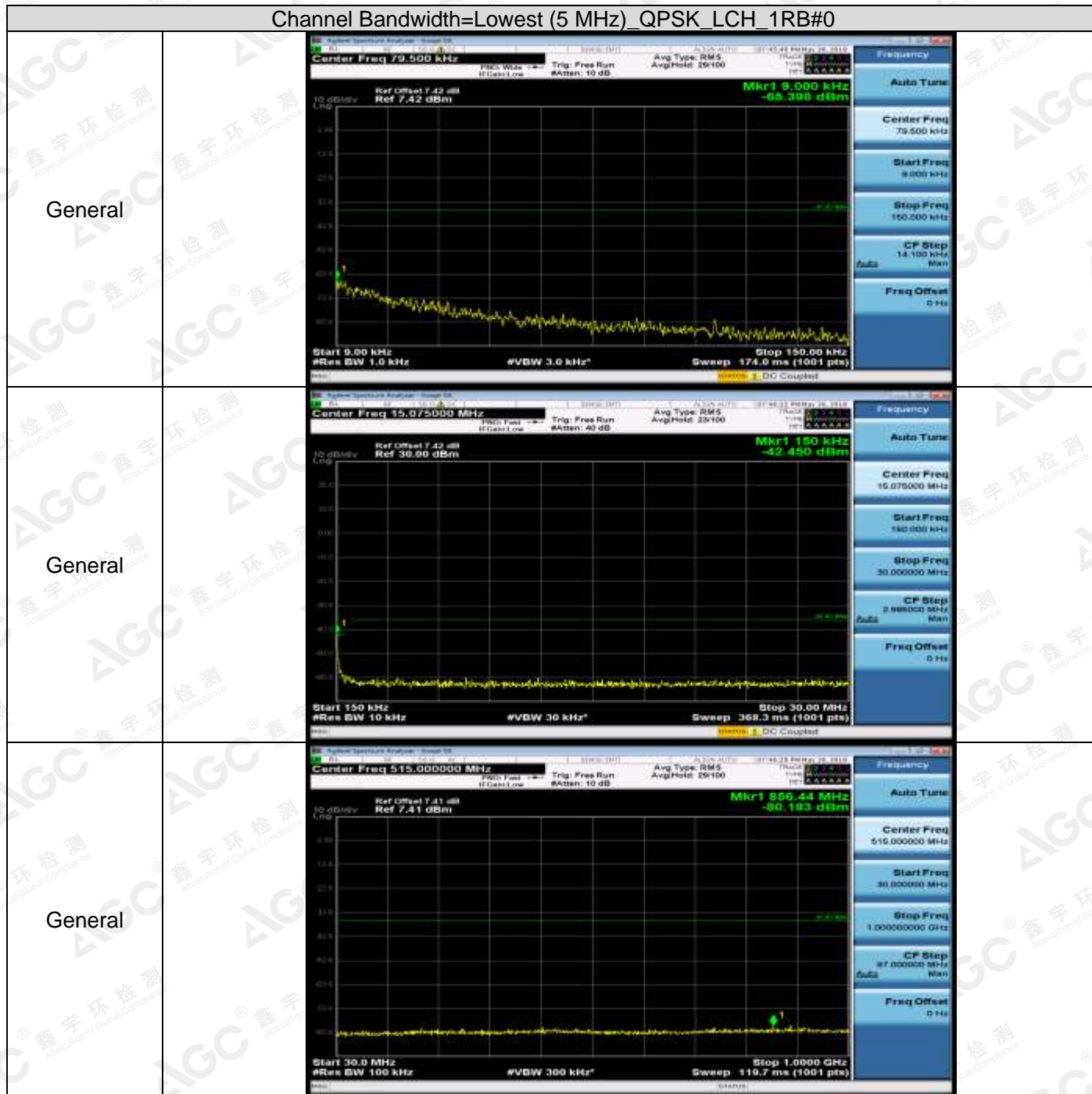
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

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## Test Graphs

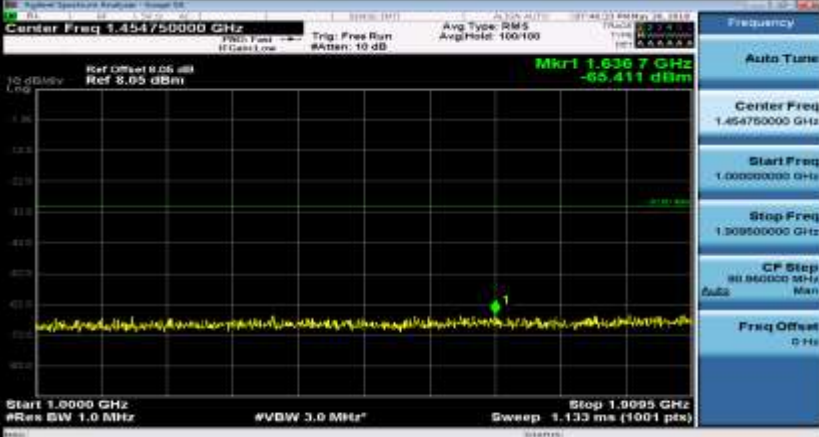


NTNV

Channel Bandwidth=Lowest (5 MHz)

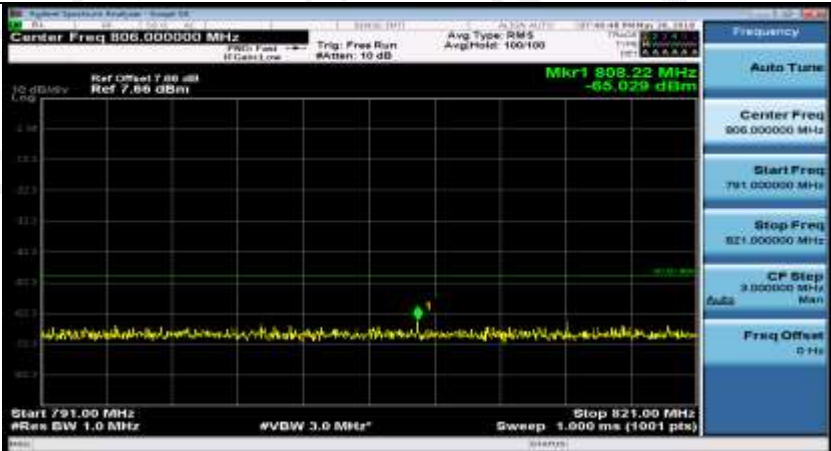
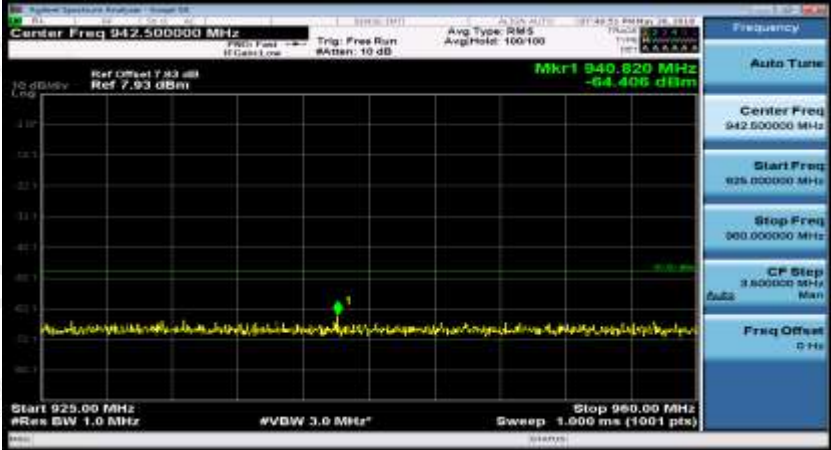
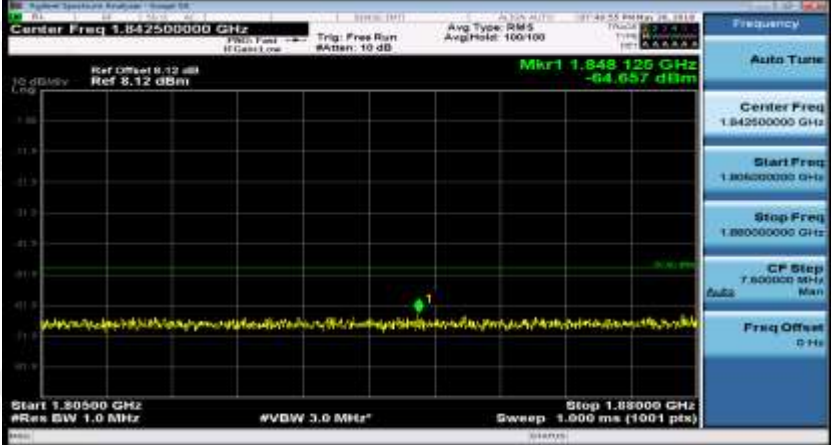


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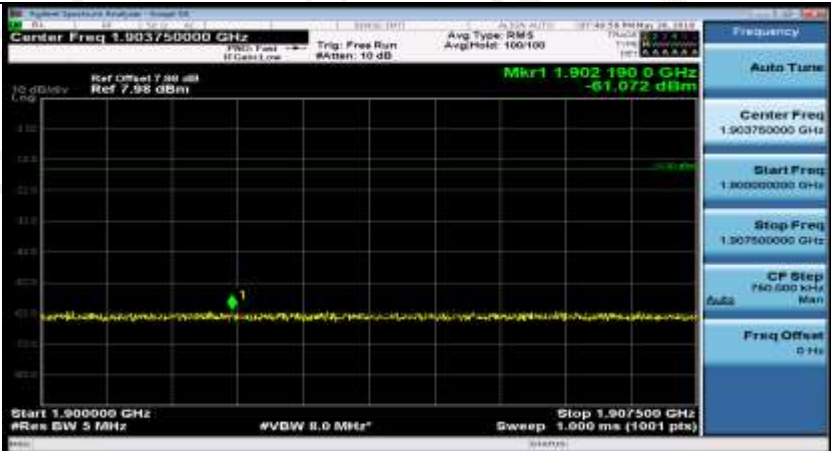
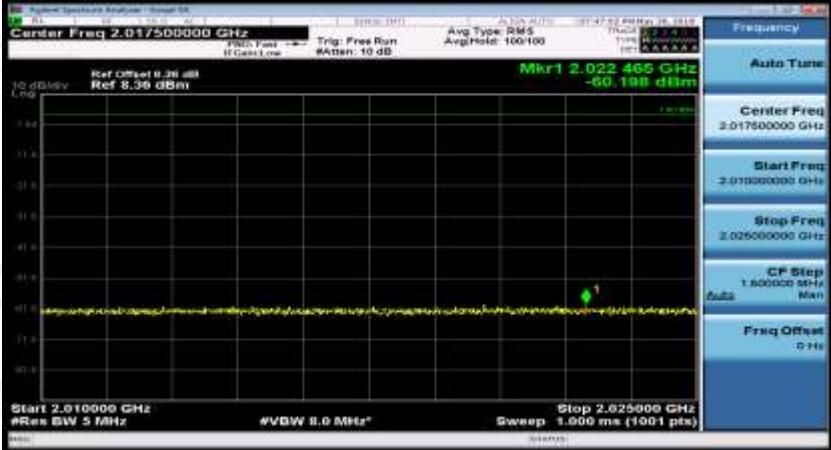
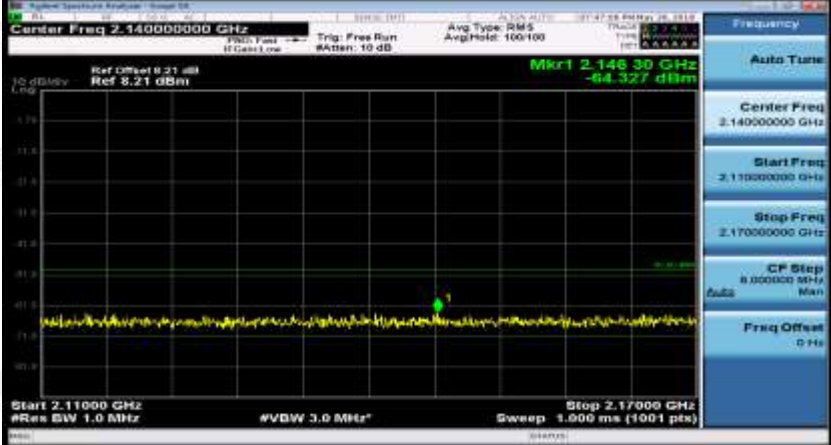
General			
General			
General			

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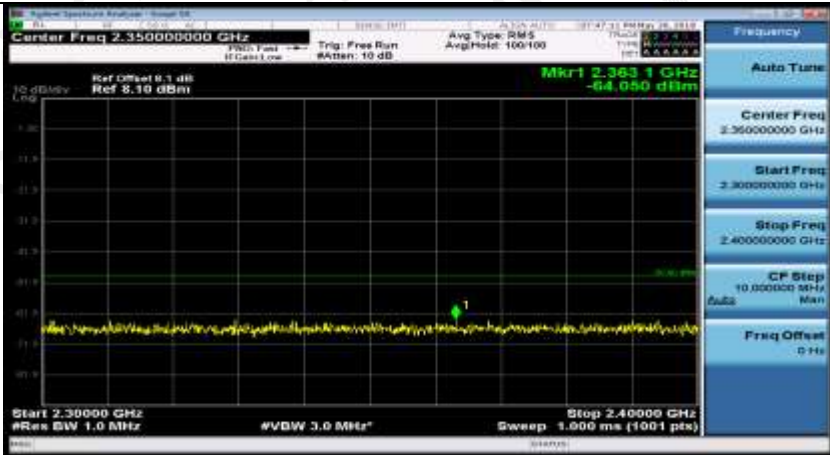

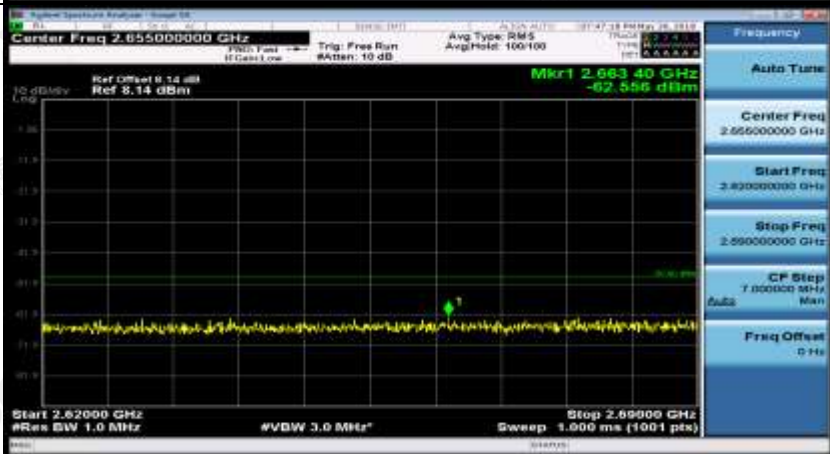
Co-existence	
Co-existence	
Co-existence	

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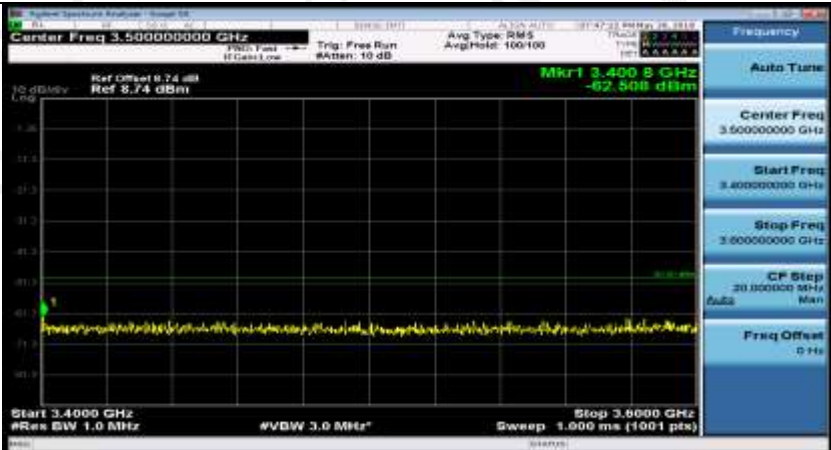
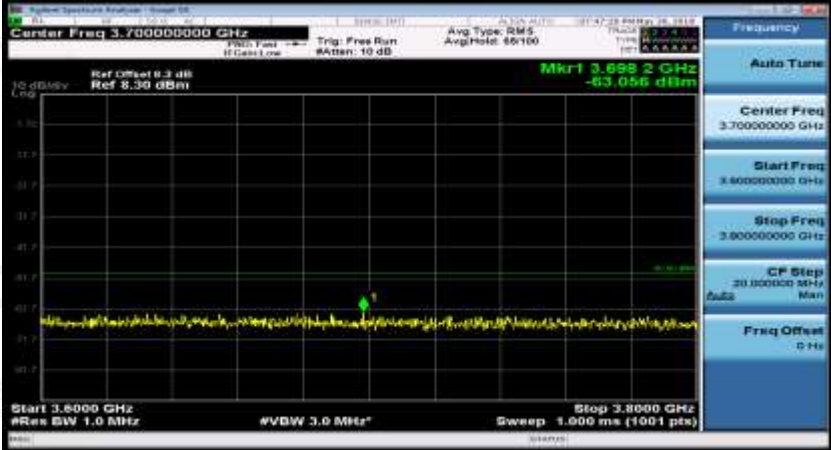
Co-existence	
Co-existence	
Co-existence	


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Co-existence		 <p>Center Freq 2.35000000 GHz Mkr1 2.3631 GHz -64.050 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>Center Freq 2.59500000 GHz Mkr1 2.57030 GHz -62.705 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>Center Freq 2.65500000 GHz Mkr1 2.68340 GHz -62.556 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>	

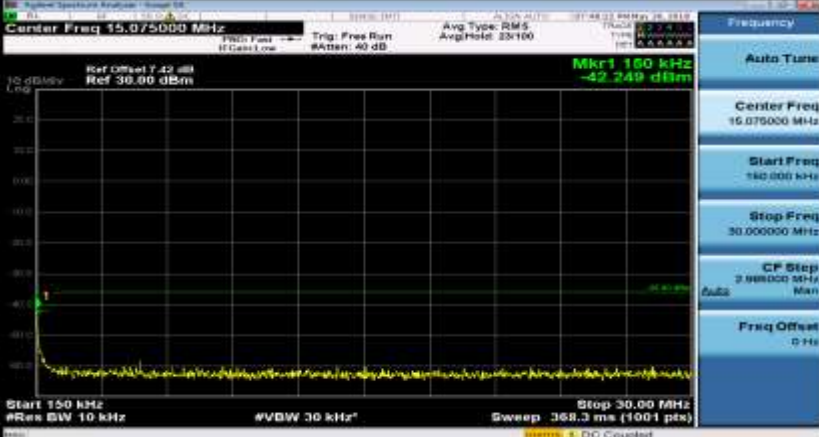
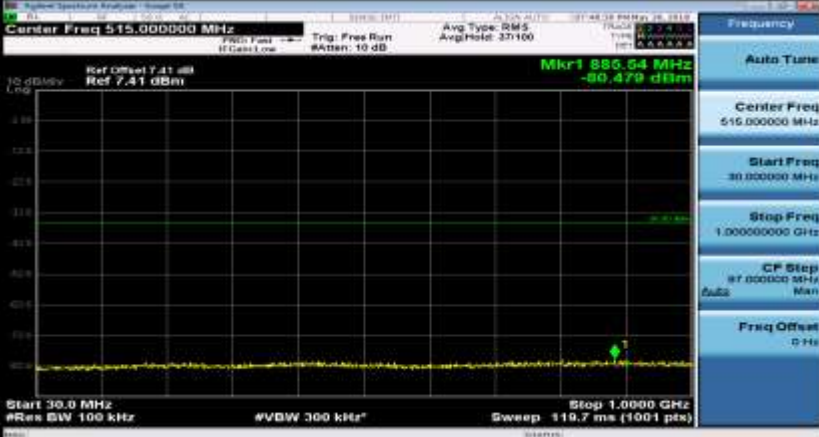
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Co-existence	
Additional	NA

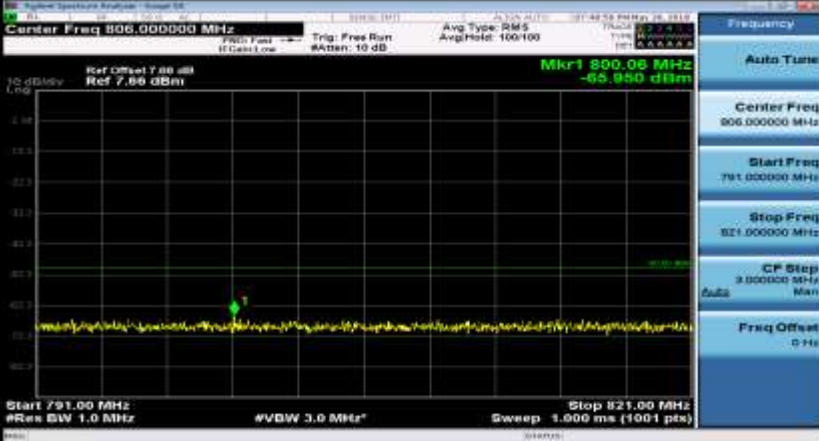
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	

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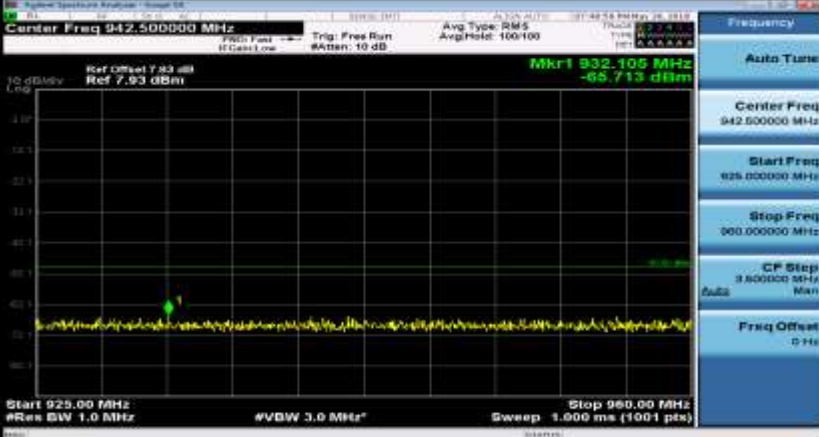
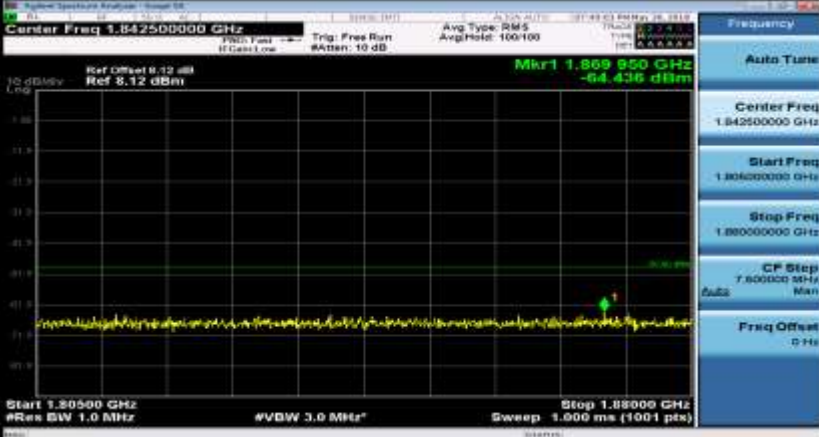

General			
General			
General			

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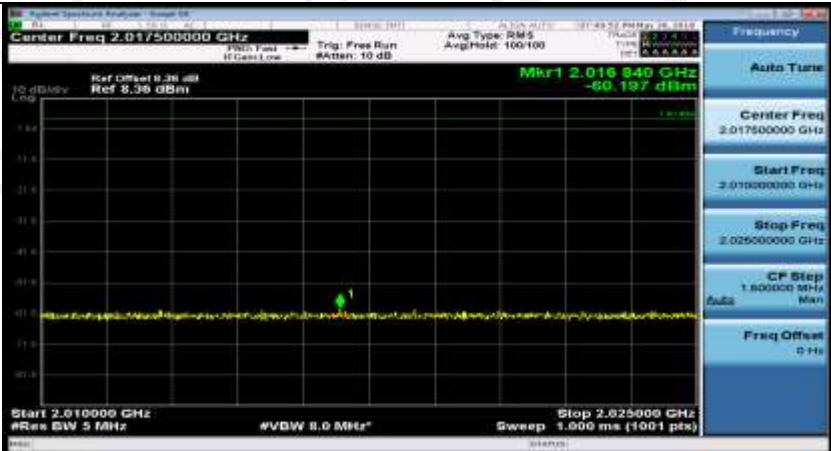
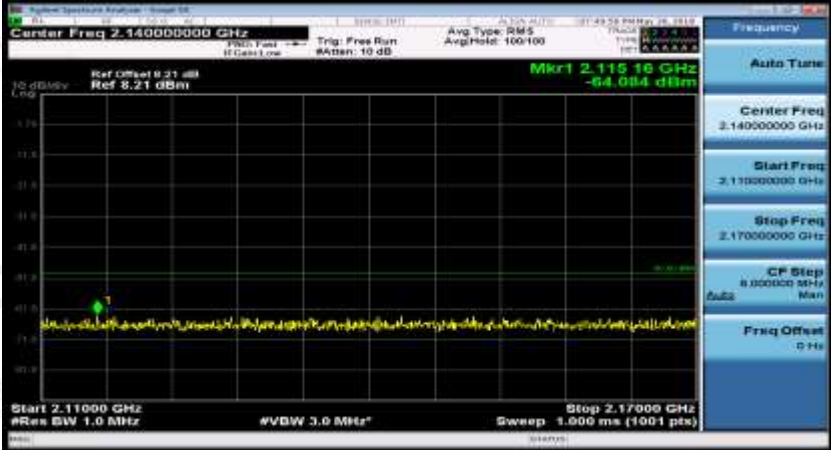
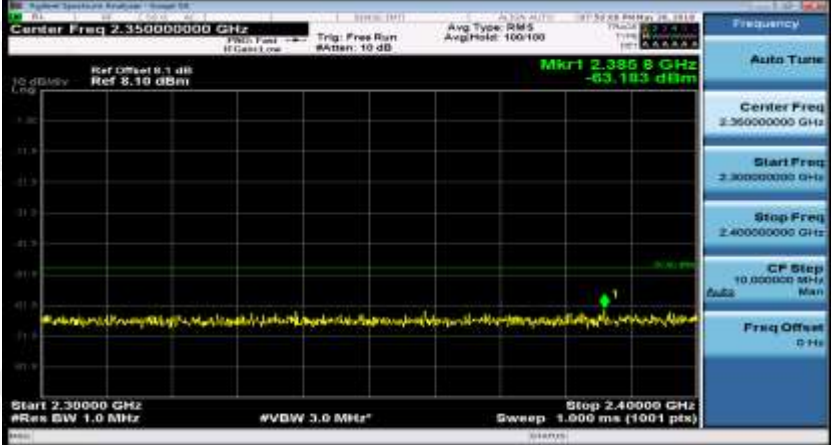
General			
General			
Co-existence			

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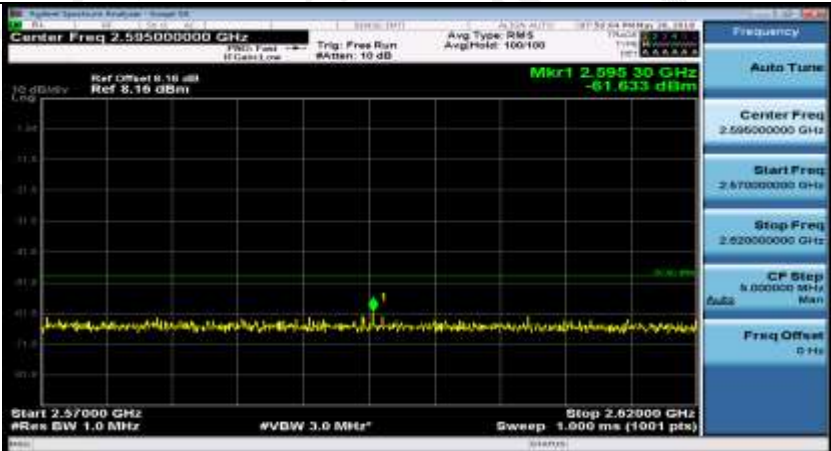
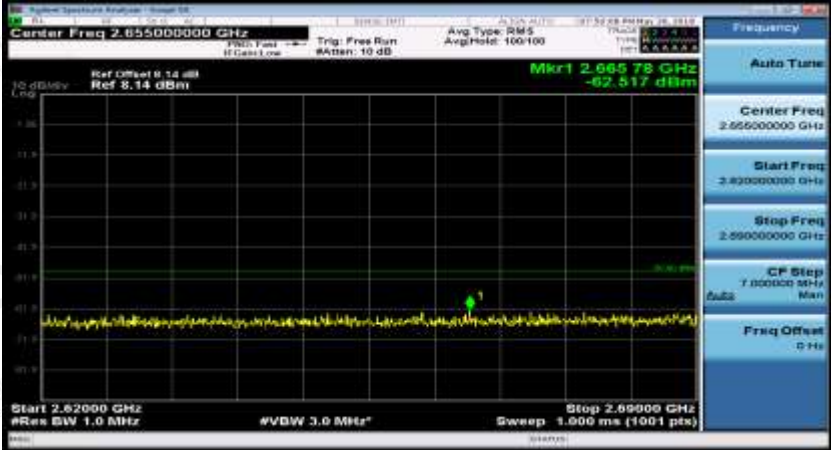
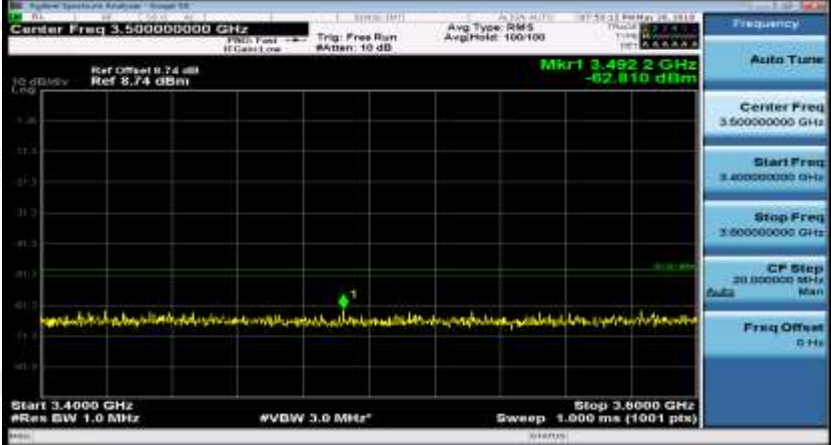
Co-existence			
Co-existence			
Co-existence			

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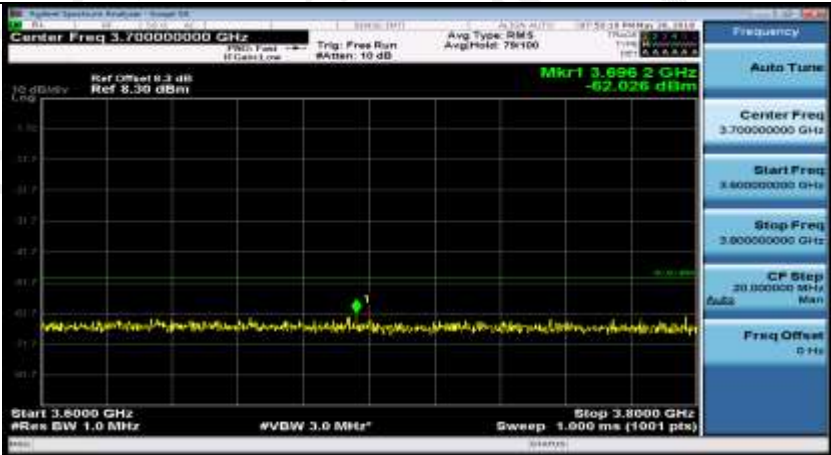
Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

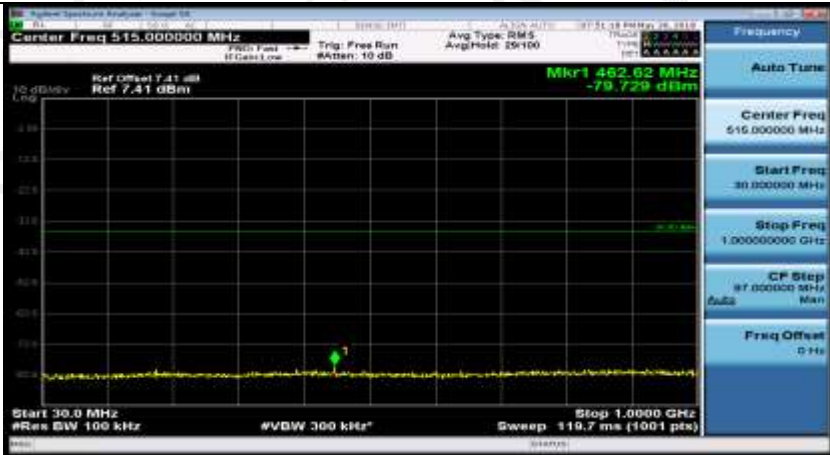

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Co-existence	
Additional	NA


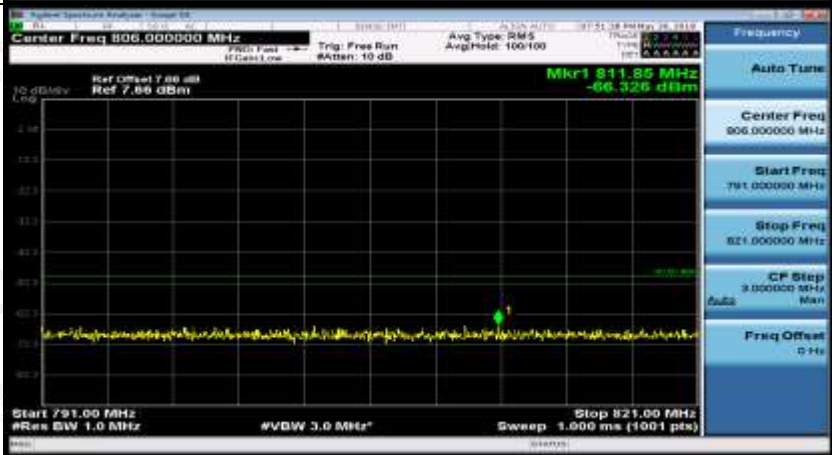
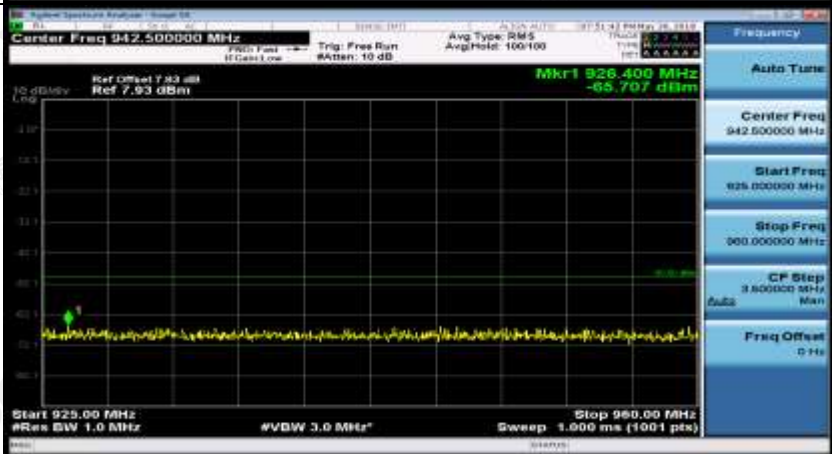
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	
General	

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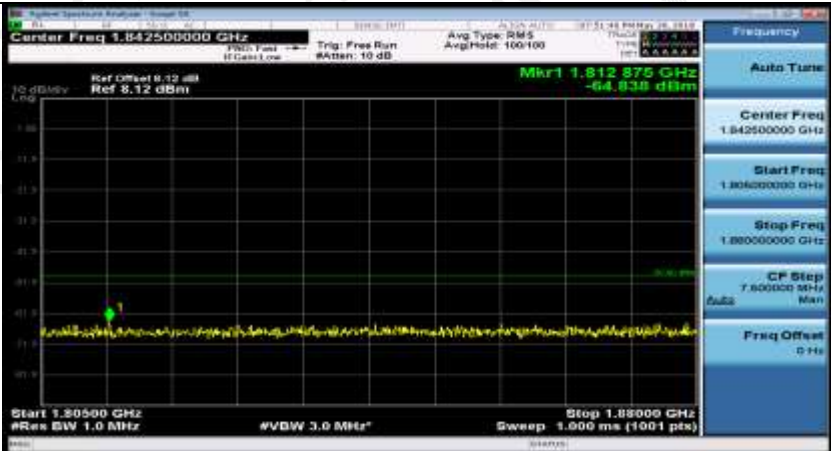
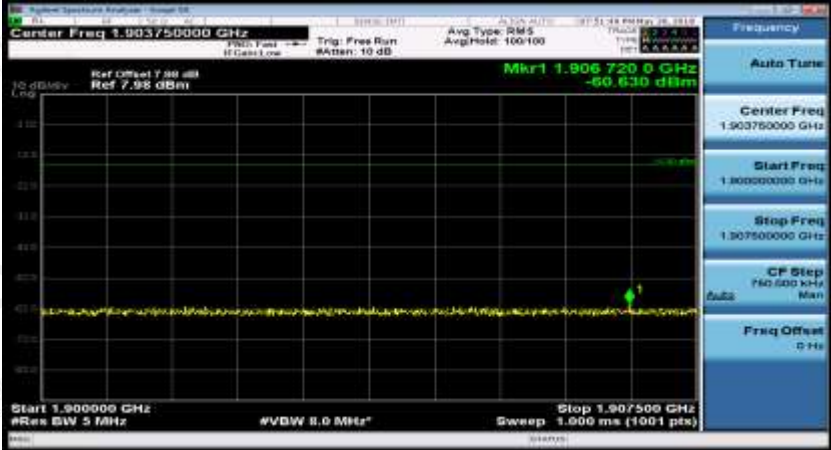
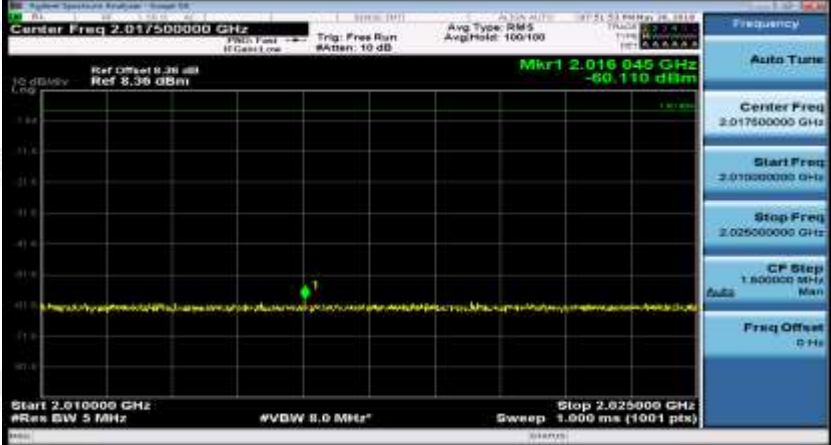
General			
General			
General			

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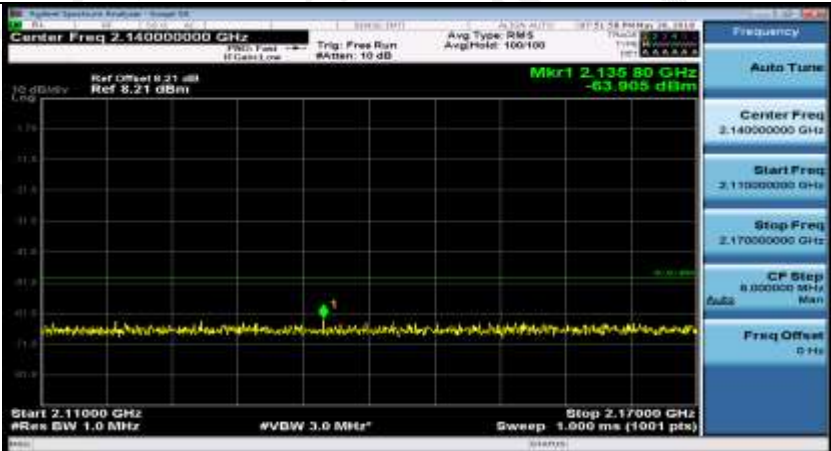
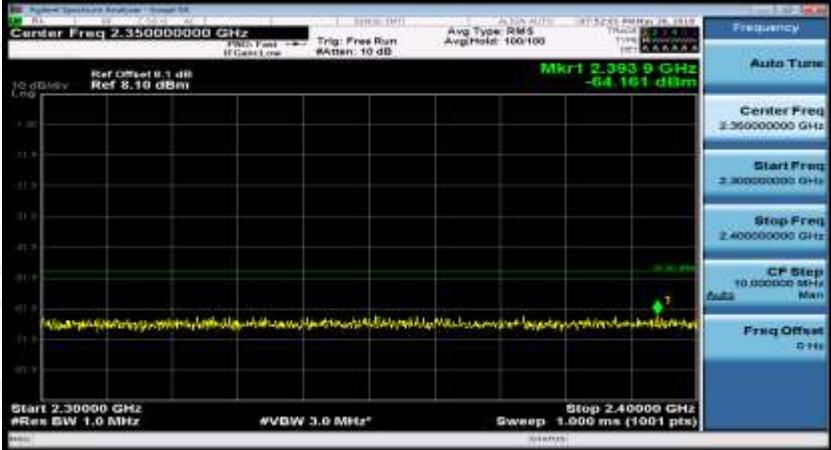
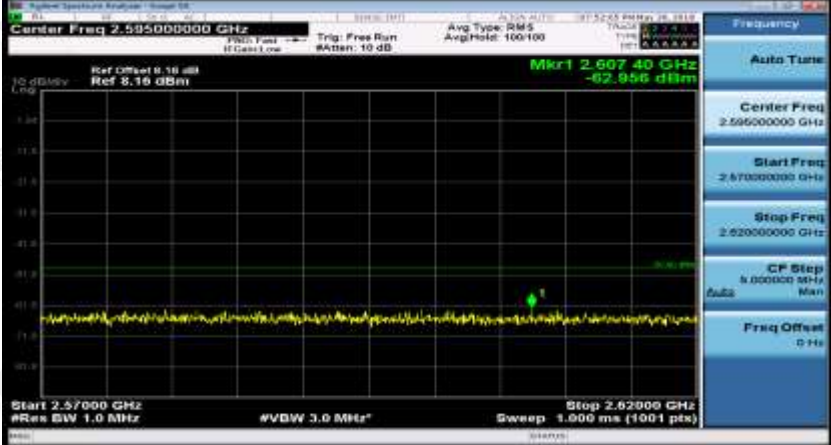
General			
Co-existence			
Co-existence			

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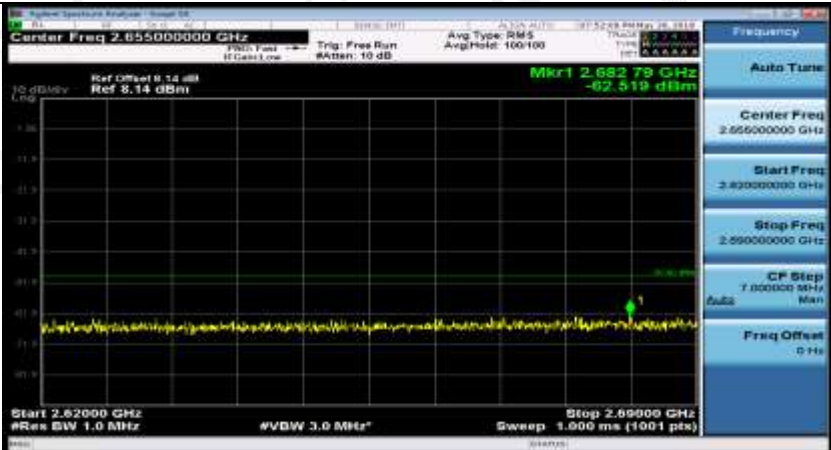
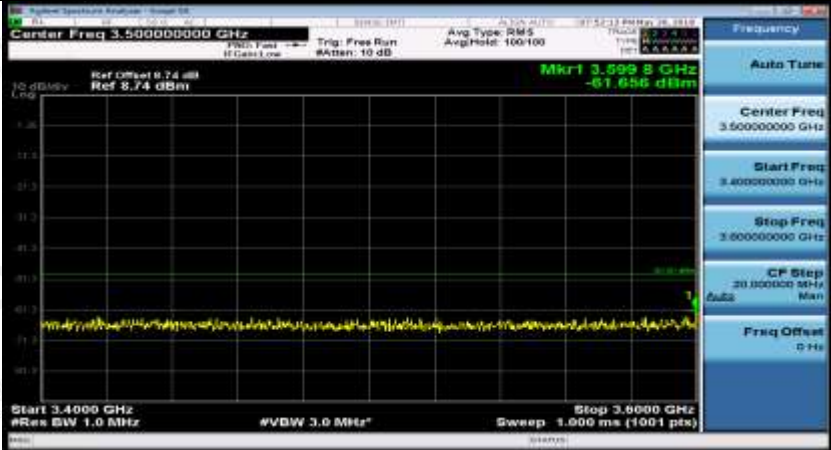
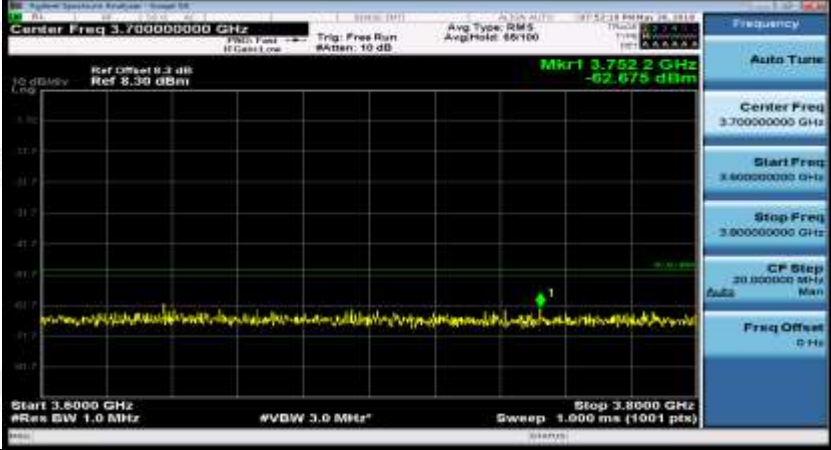
Co-existence	
Co-existence	
Co-existence	

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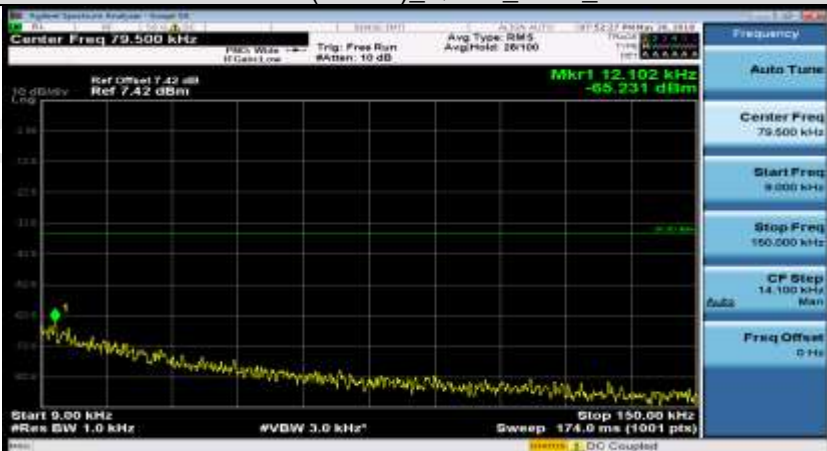

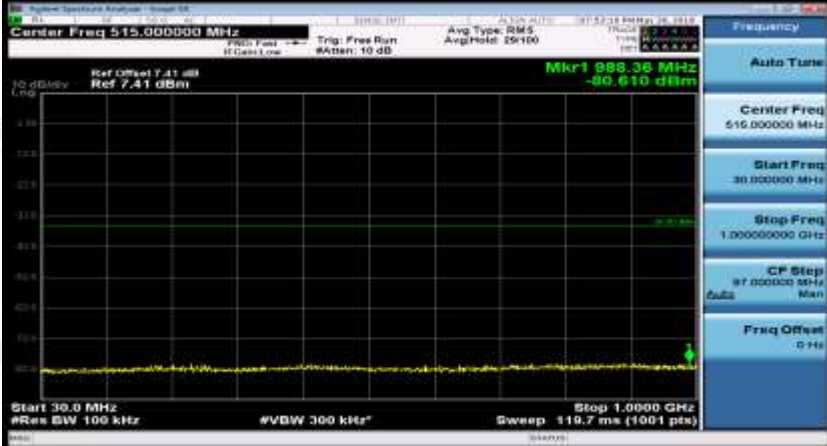
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0		
General		
General		
General		

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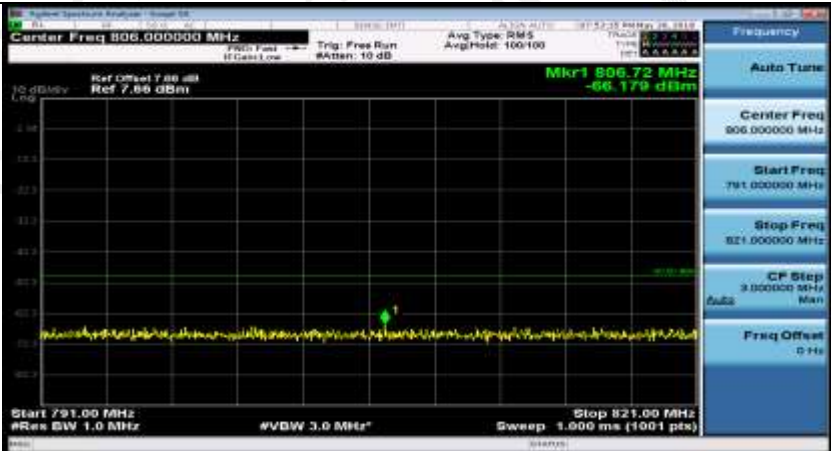
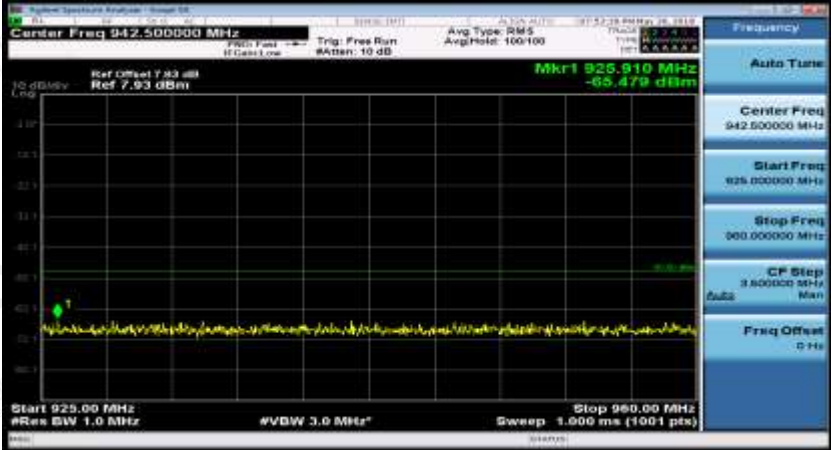
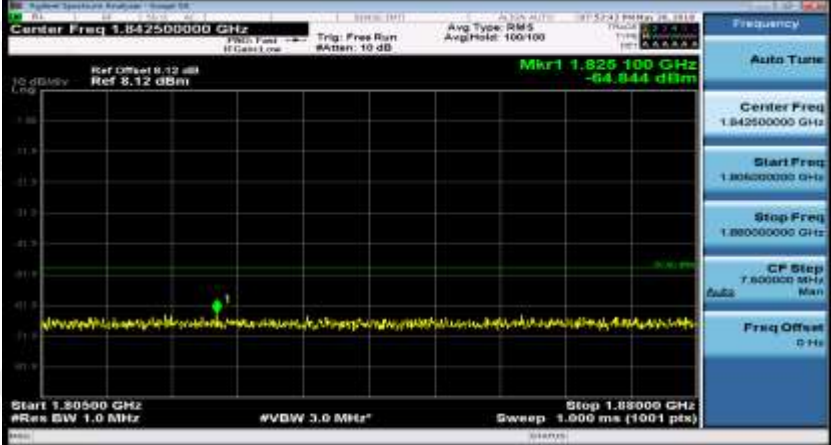
The figure consists of three vertically stacked screenshots of a Spectrum Analyzer, each showing a different frequency range and a specific marker. The screenshots are labeled 'General' in the left margin.

- Top Screenshot:**
  - Center Freq: 1.468500000 GHz
  - Start: 1.0000 GHz, Stop: 1.9370 GHz
  - Marker 1: 1.8124 GHz, -64.307 dBm
- Middle Screenshot:**
  - Center Freq: 3.481500000 GHz
  - Start: 1.963 GHz, Stop: 5.000 GHz
  - Marker 1: 4.885 GHz, -65.454 dBm
- Bottom Screenshot:**
  - Center Freq: 8.875000000 GHz
  - Start: 5.006 GHz, Stop: 12.750 GHz
  - Marker 1: 9.33225 GHz, -64.531 dBm

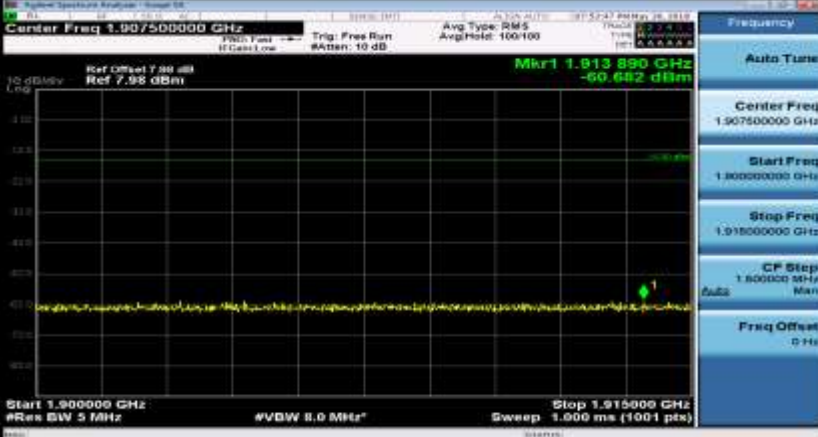

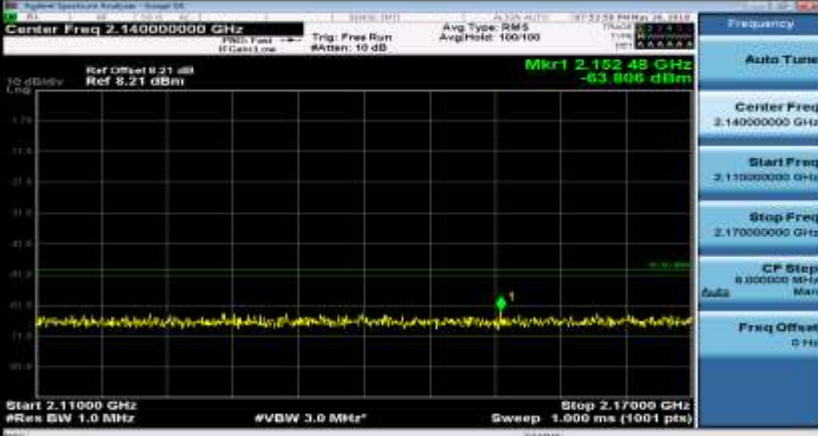
Each screenshot also displays a noise floor around -100 dBm and a sweep range of 3.0 MHz. The right side of each screenshot shows a control panel with settings for Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, and Freq Offset.

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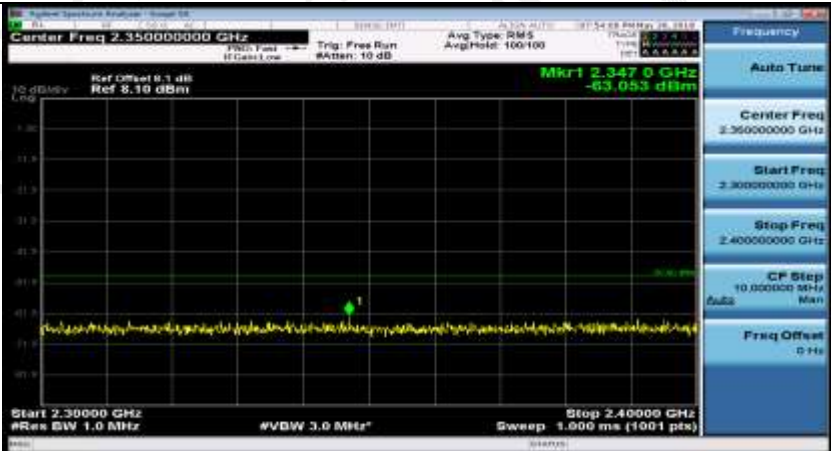
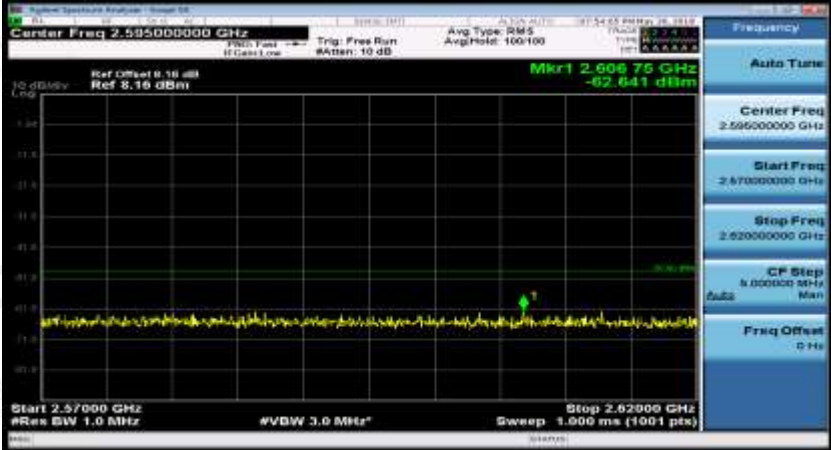
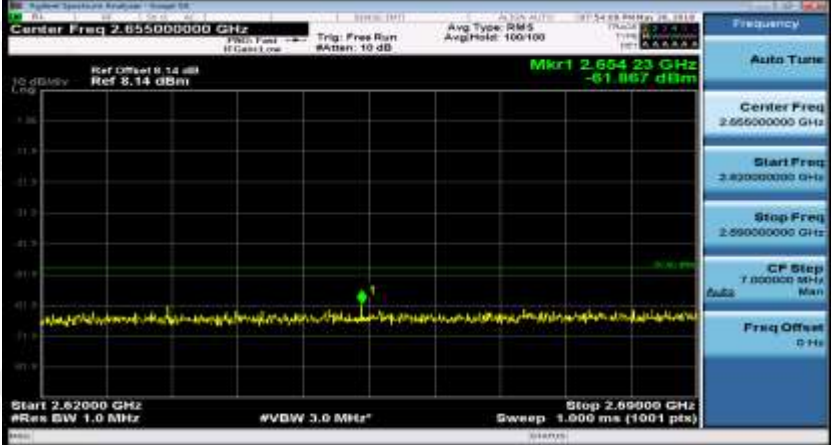
Co-existence	
Co-existence	
Co-existence	

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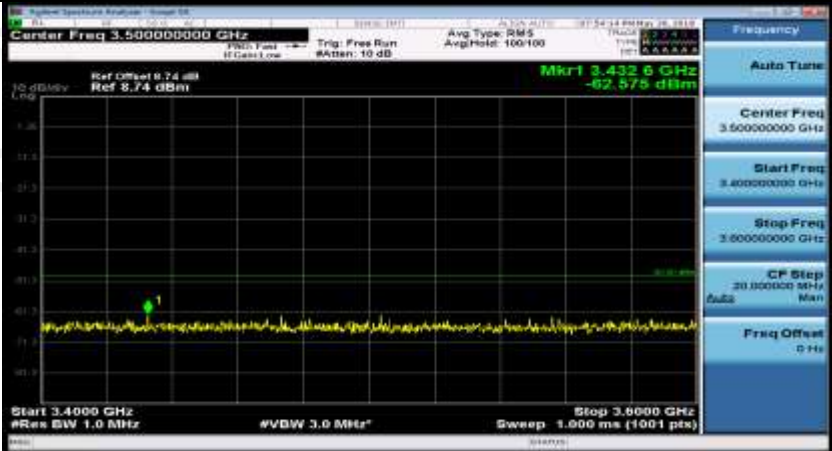
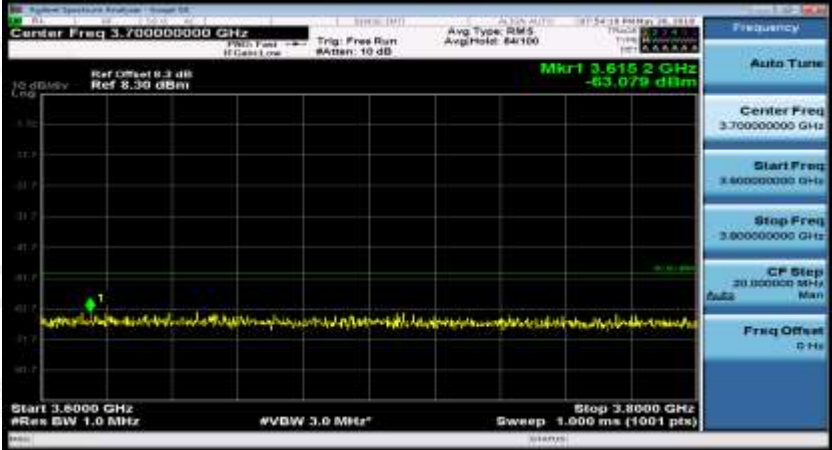
Co-existence			
Co-existence			
Co-existence			

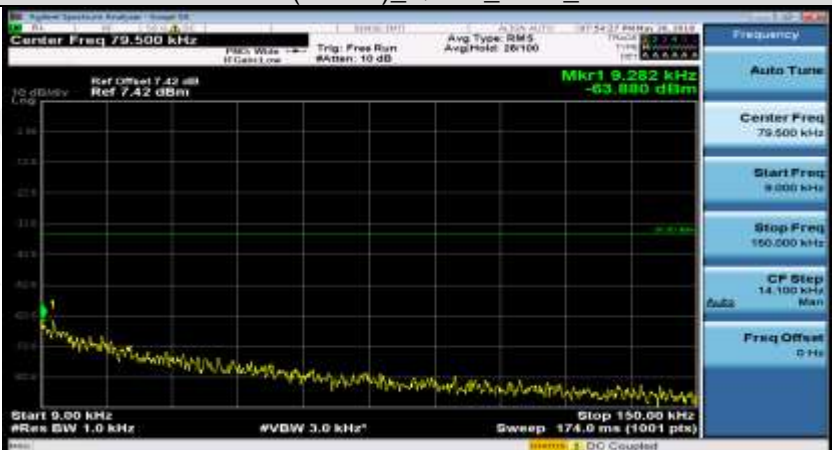
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Co-existence	
Co-existence	

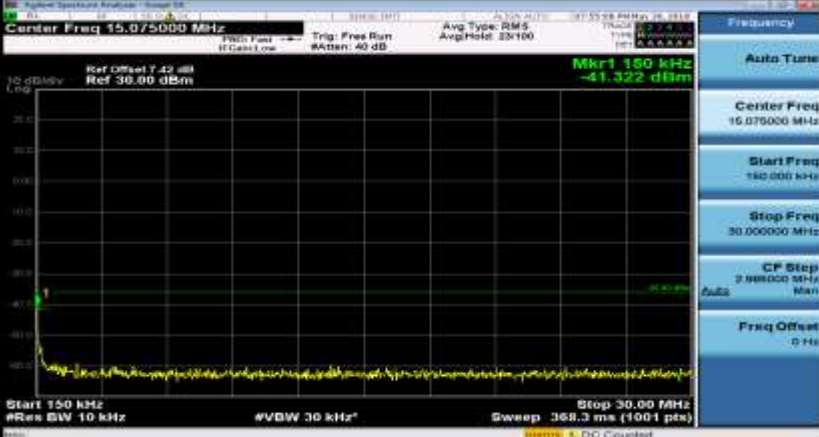
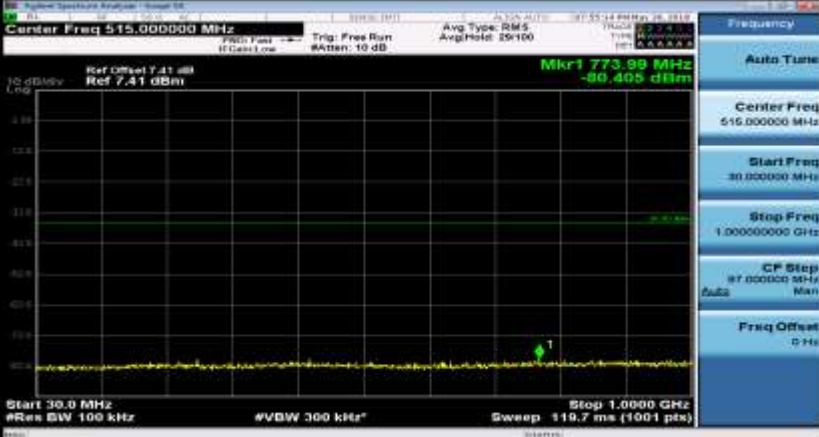
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Additional	NA

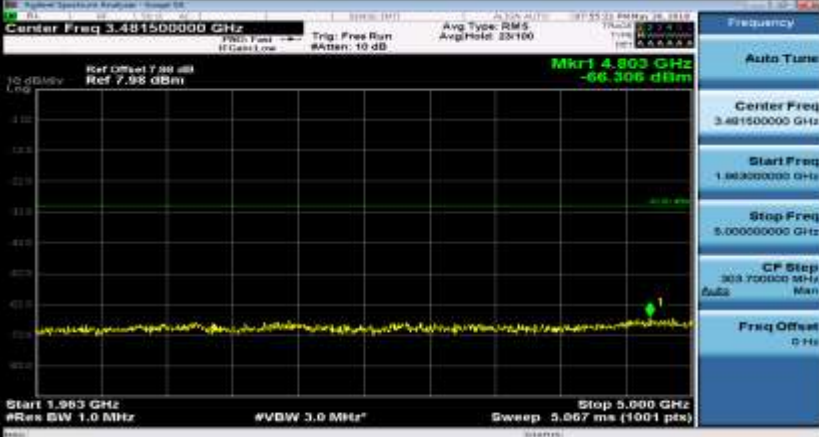

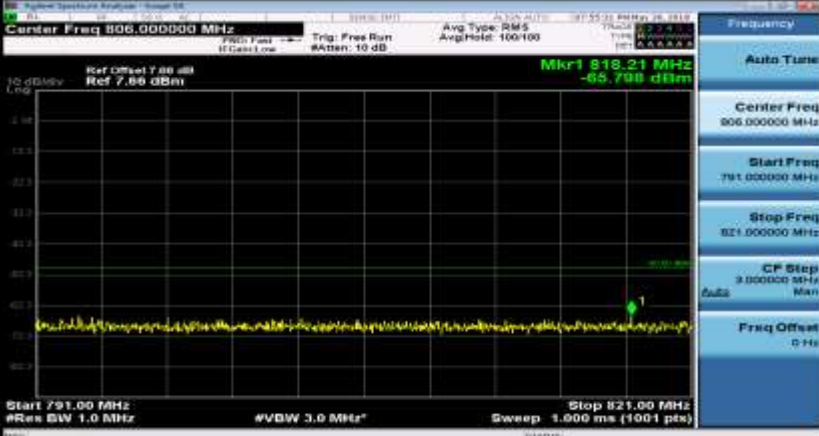
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	

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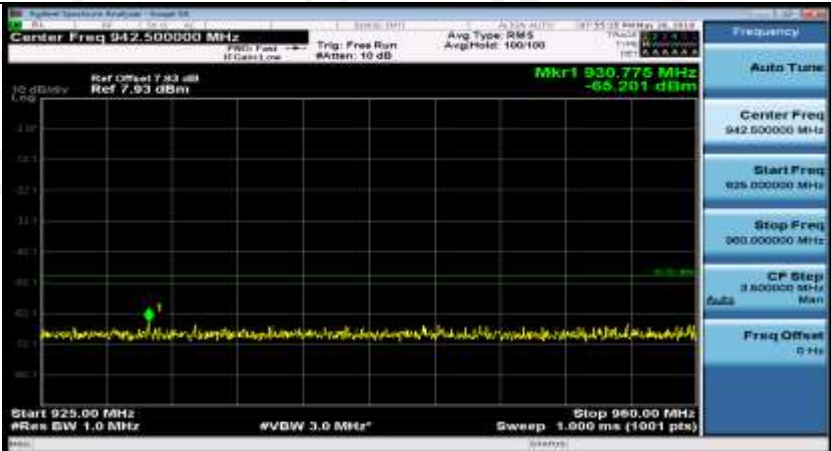
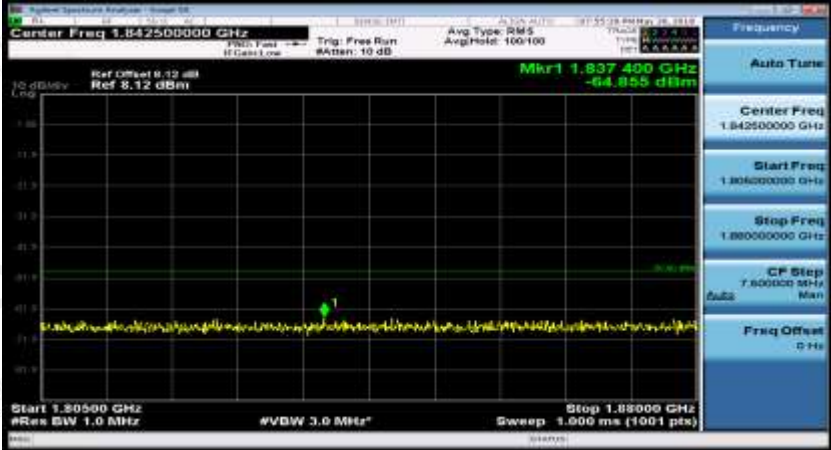
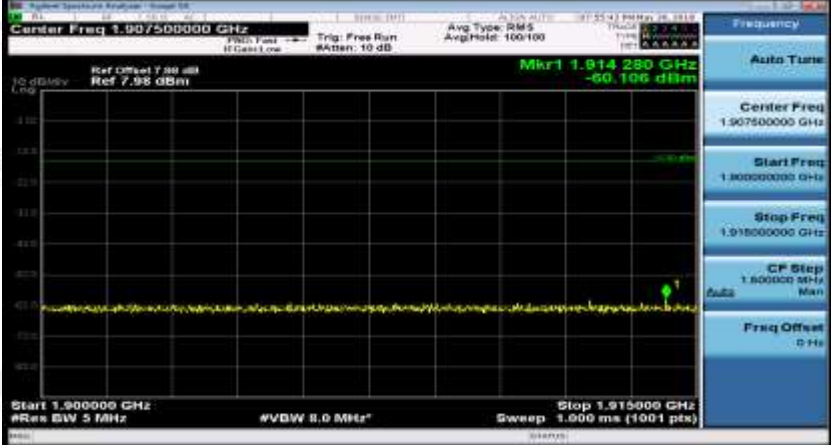
General			
General			
General			

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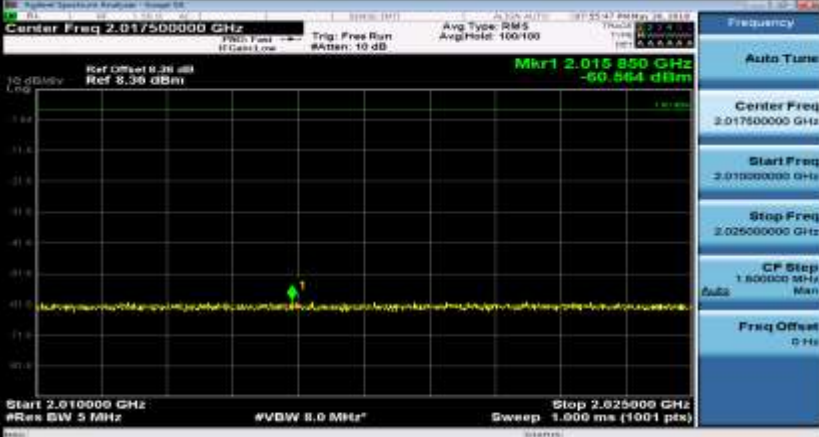
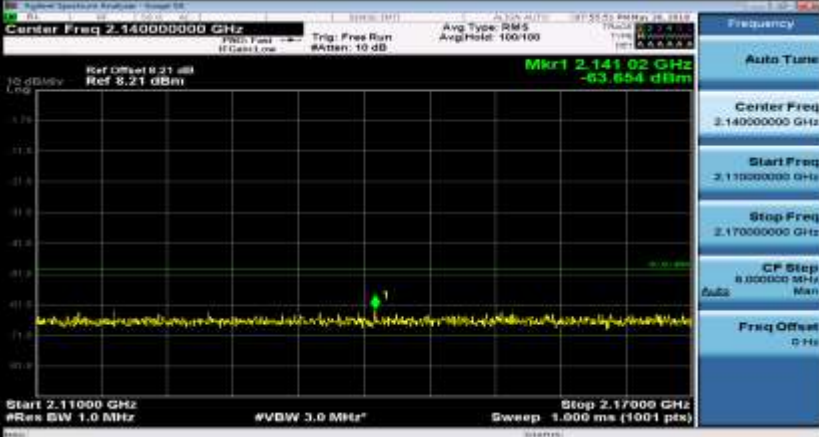

General			
General			
Co-existence			

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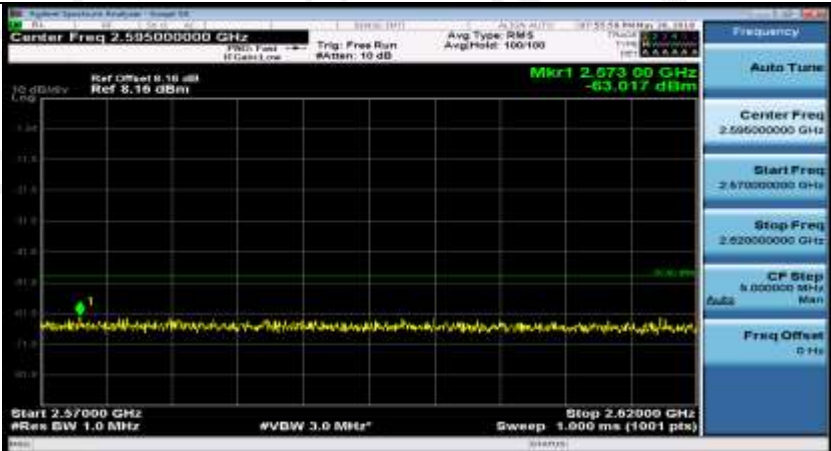

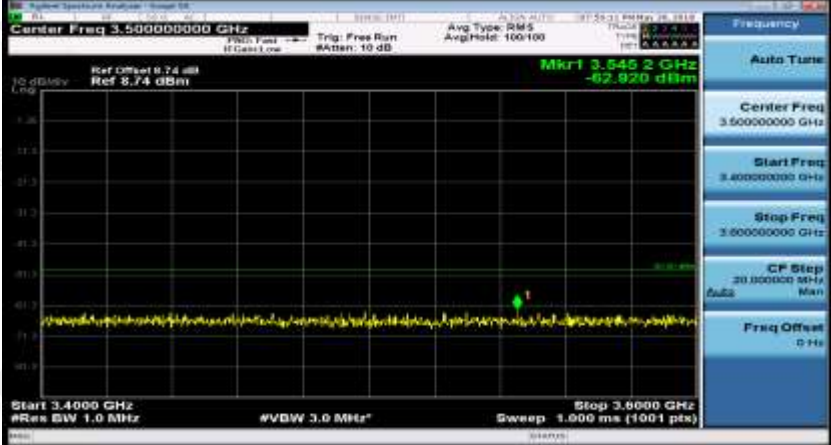
Co-existence	
Co-existence	
Co-existence	

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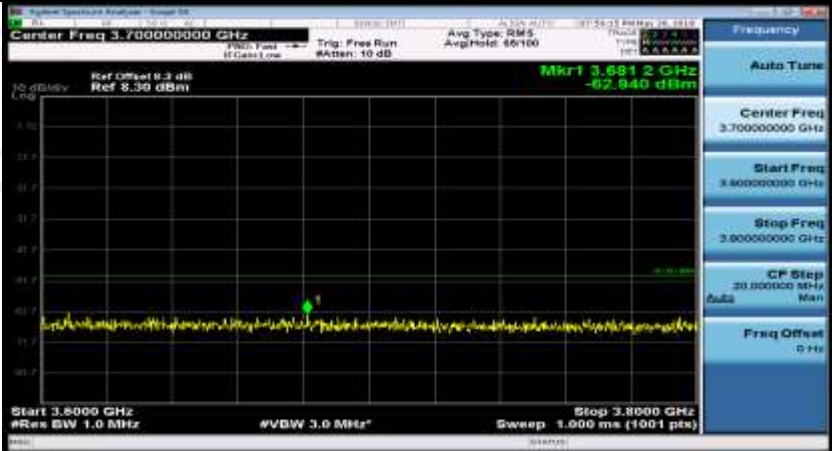
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

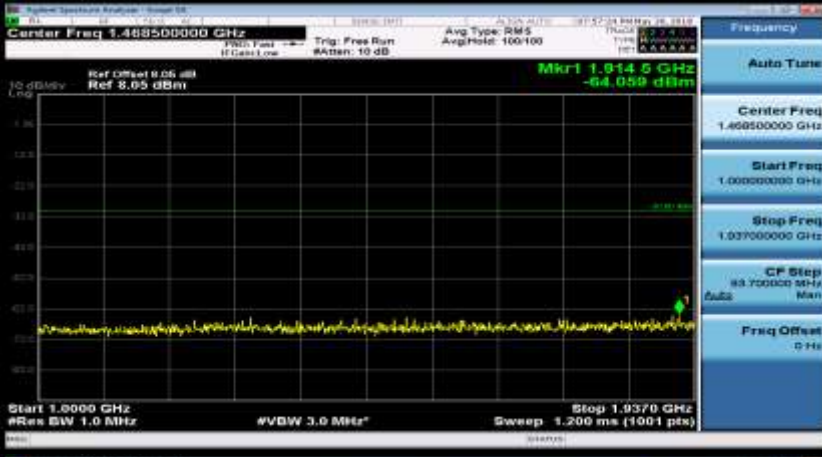

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Co-existence	
Additional	NA

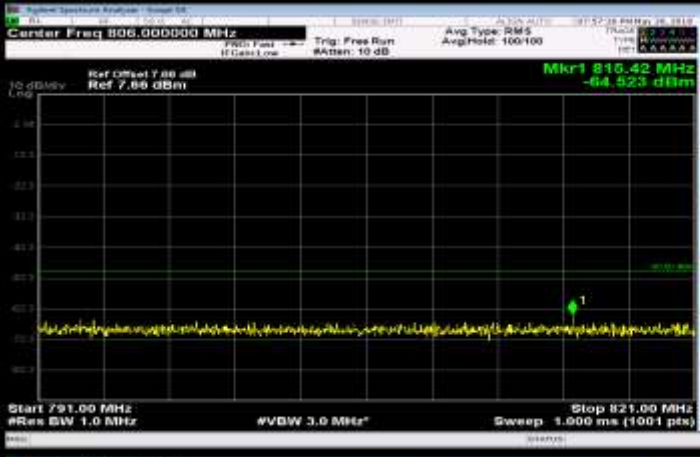
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	
General	

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General		
General		
General		

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General		
Co-existence		
Co-existence		

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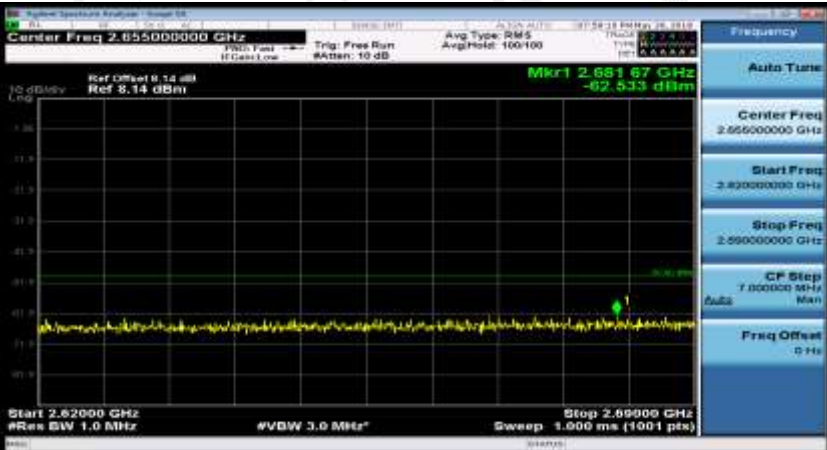
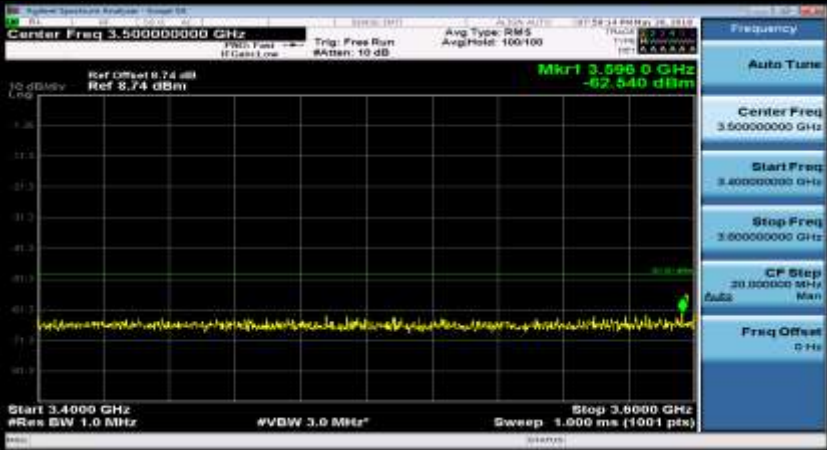
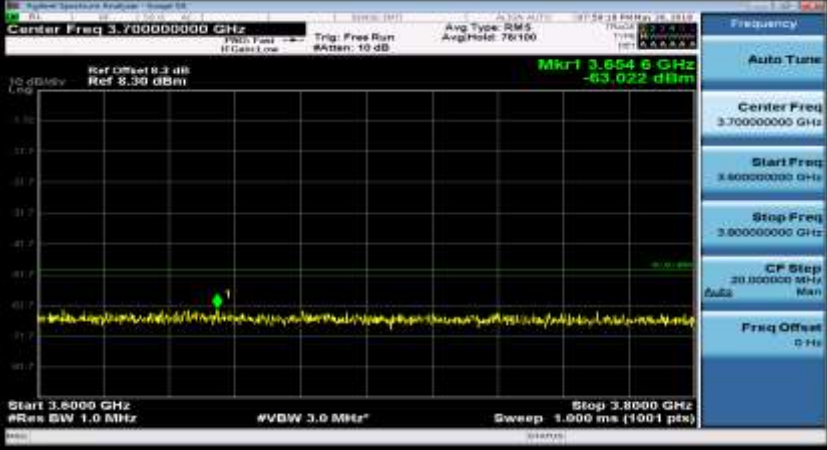
Co-existence	
Co-existence	
Co-existence	

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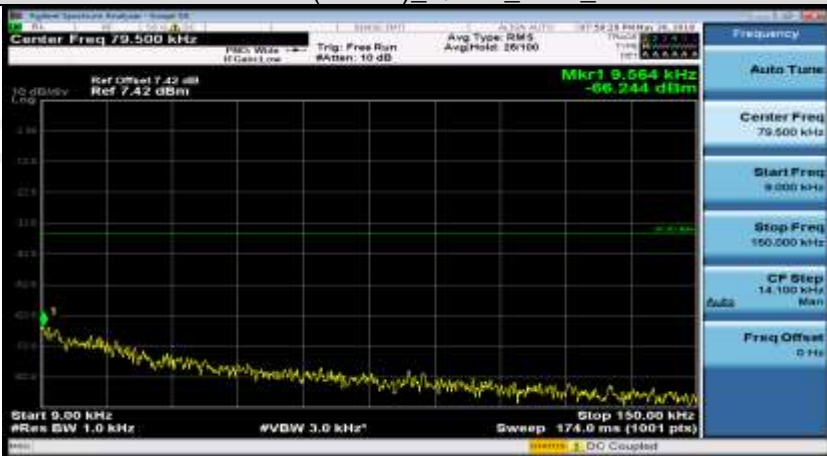
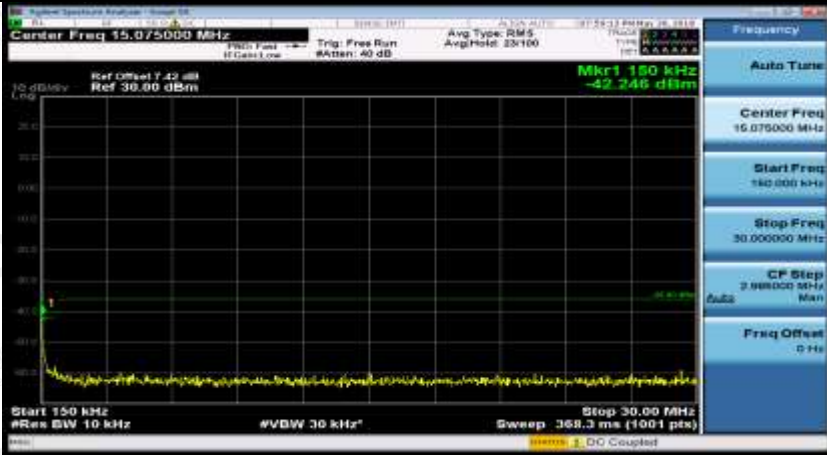
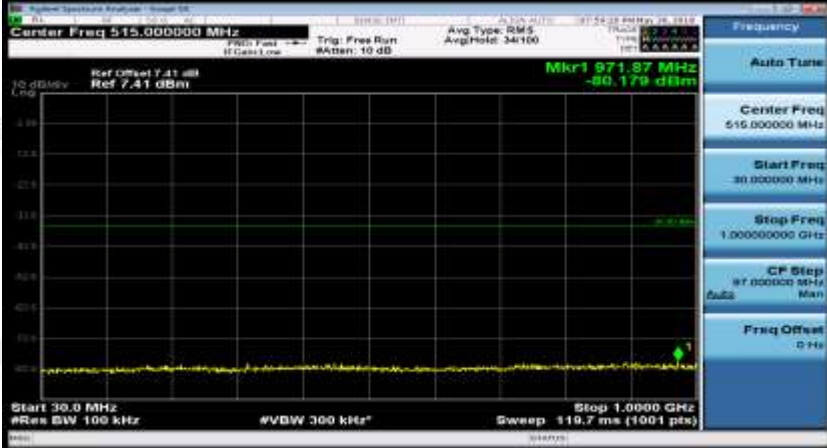
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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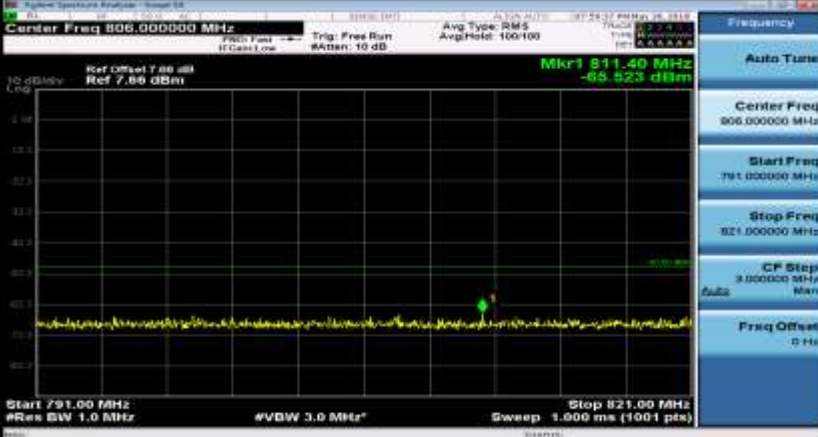
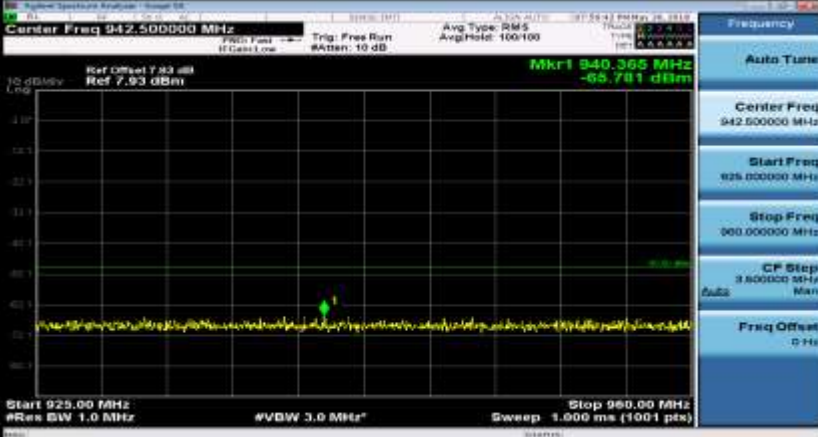
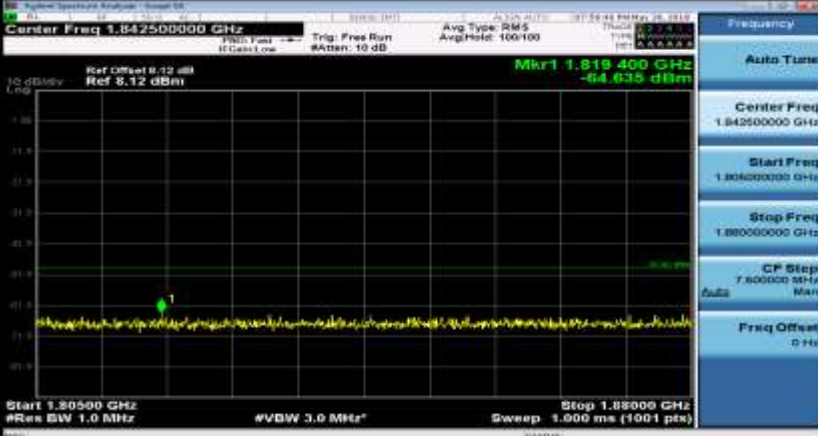
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#0		
General		
General		
General		

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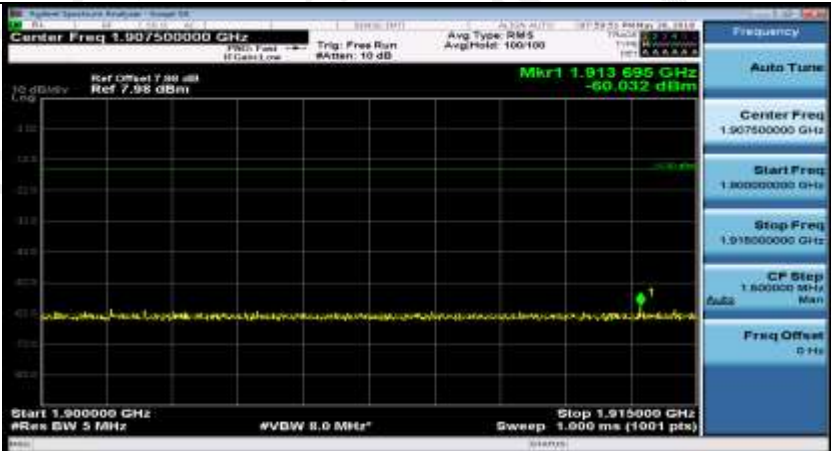
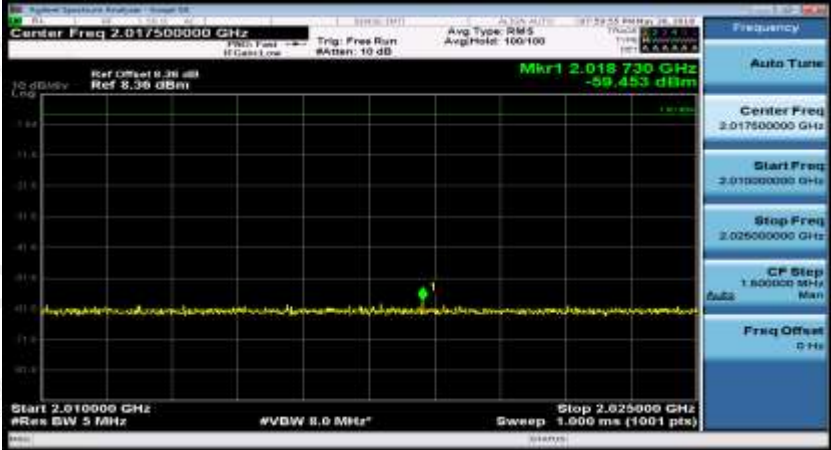
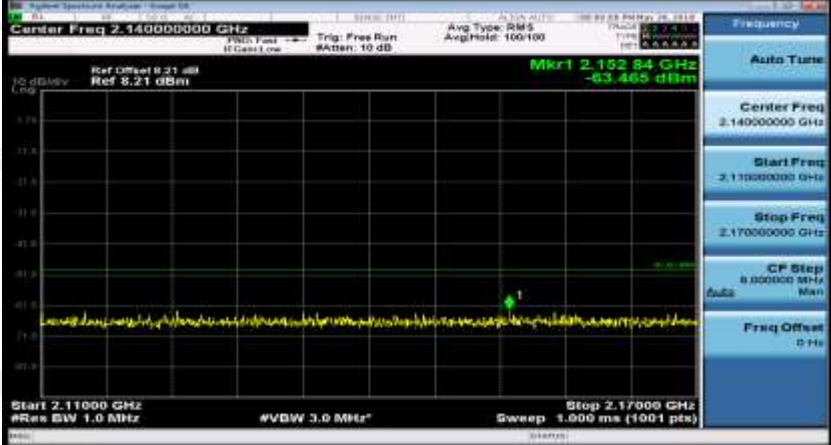
General			
General			
General			

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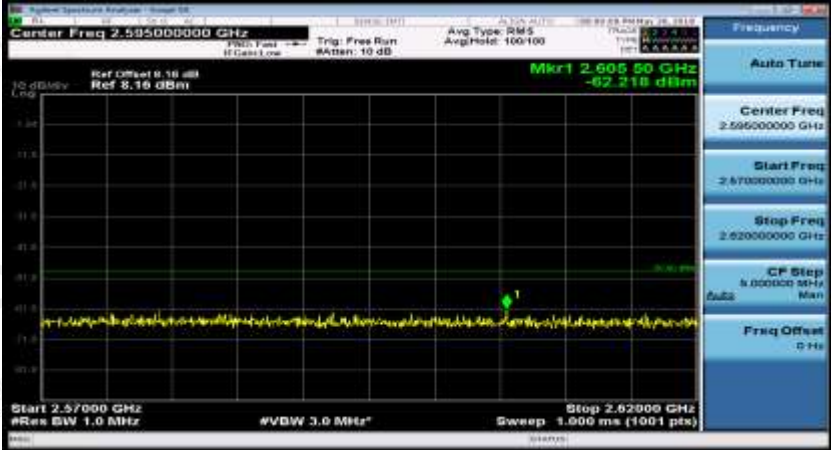
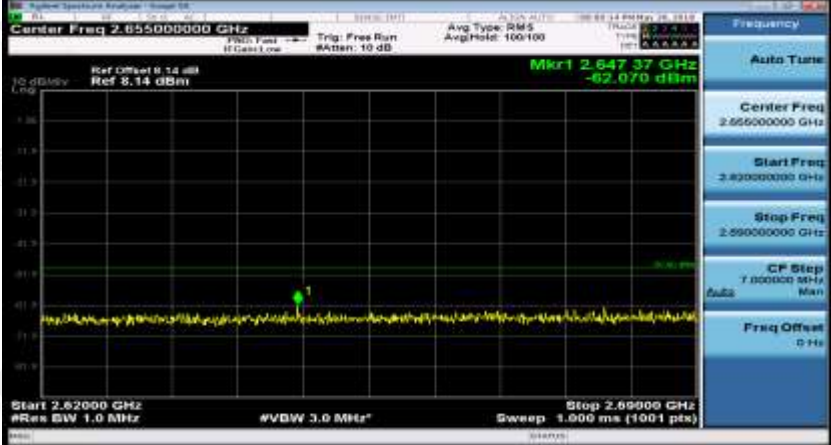
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

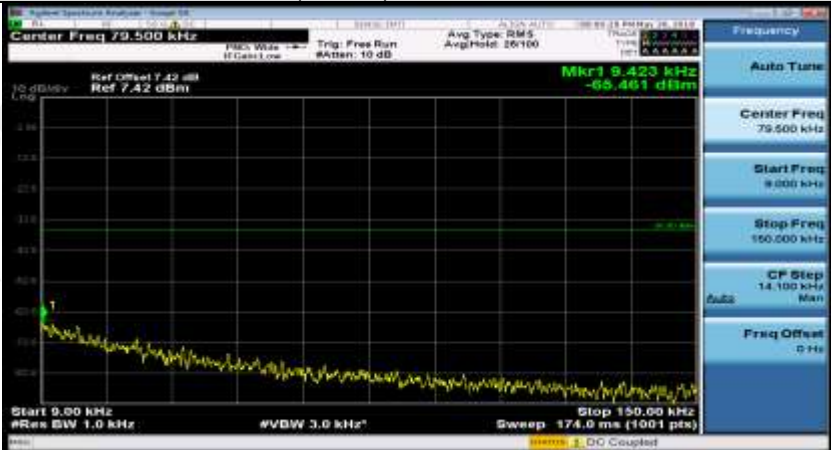
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Co-existence	
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Co-existence	

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Co-existence	
Co-existence	
Additional	NA

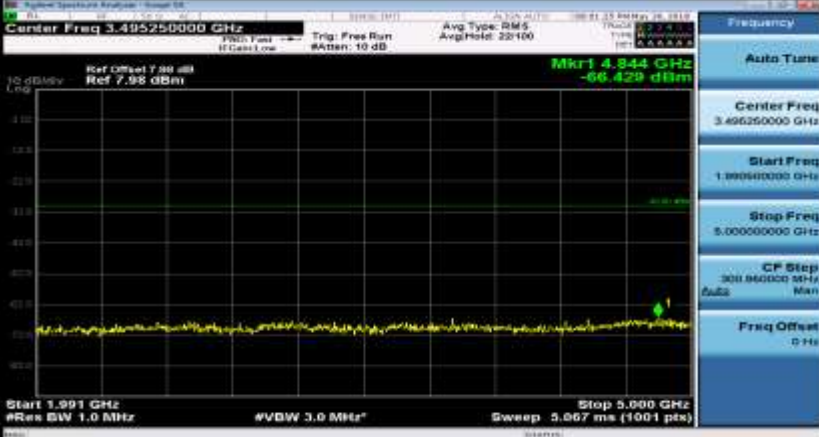
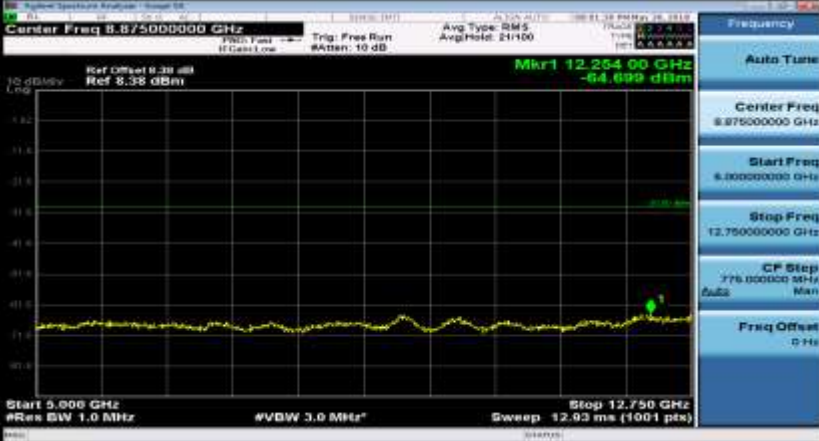
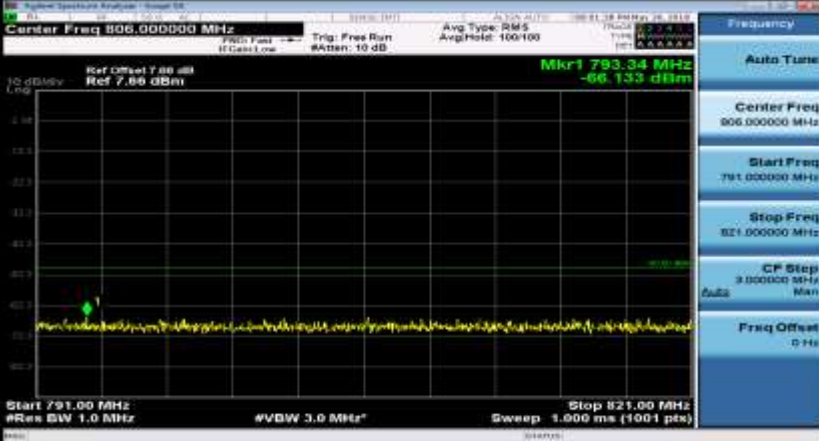
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	

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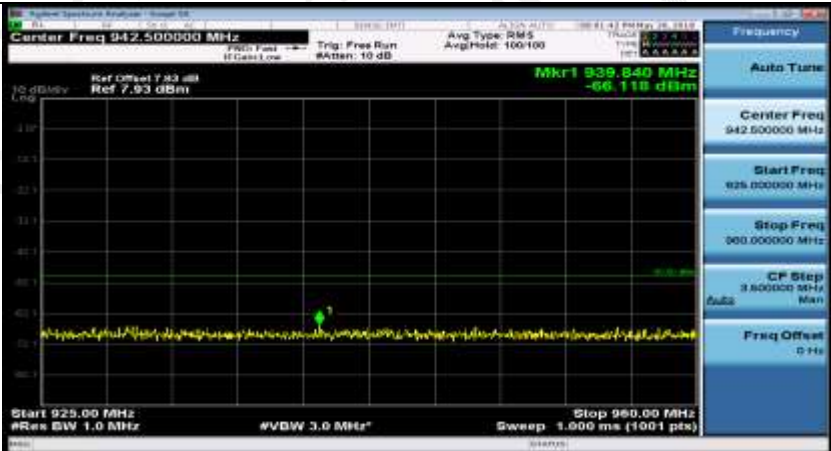
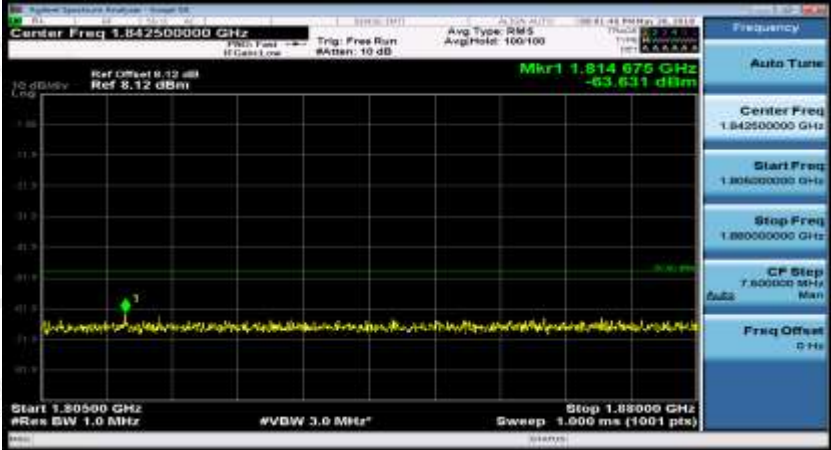
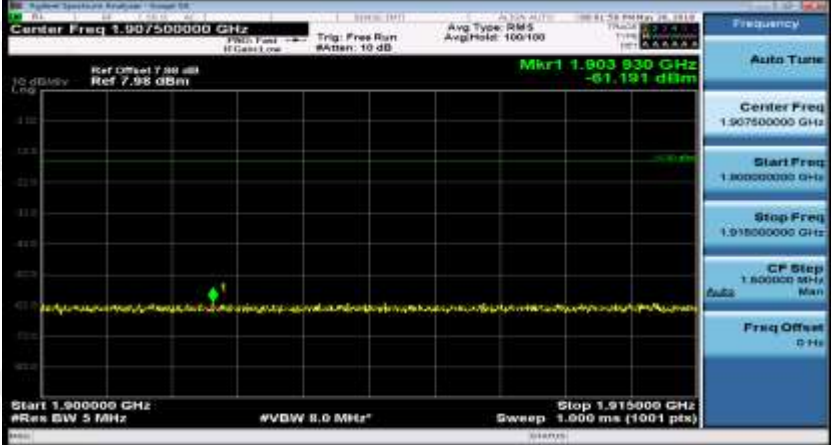
General			
General			
General			

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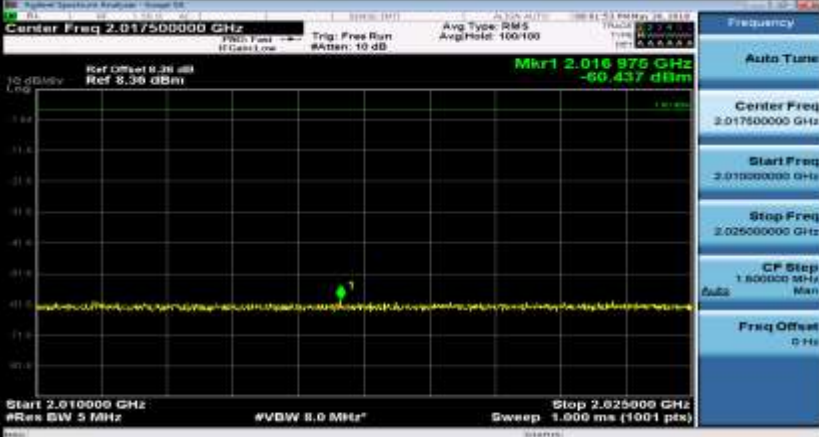
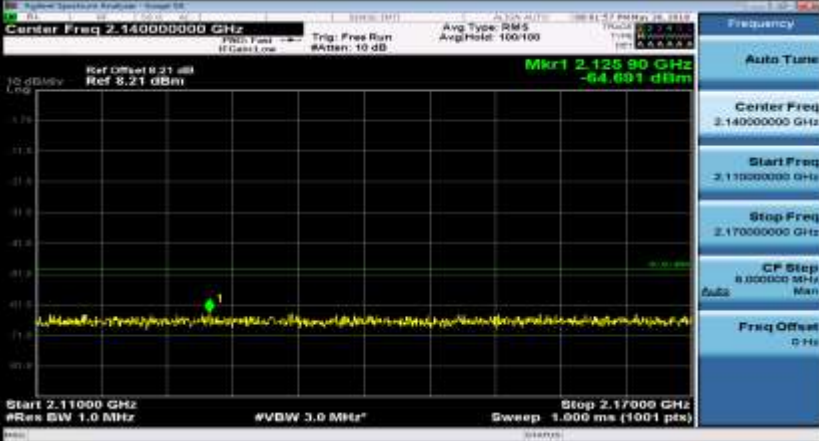
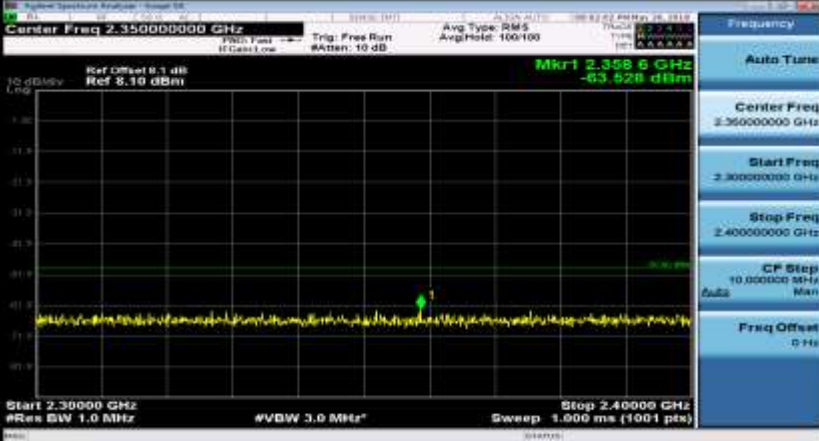
General			
General			
Co-existence			

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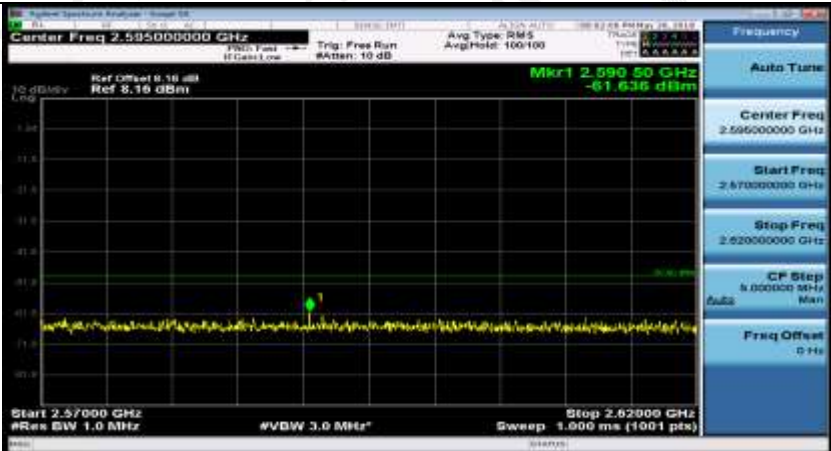
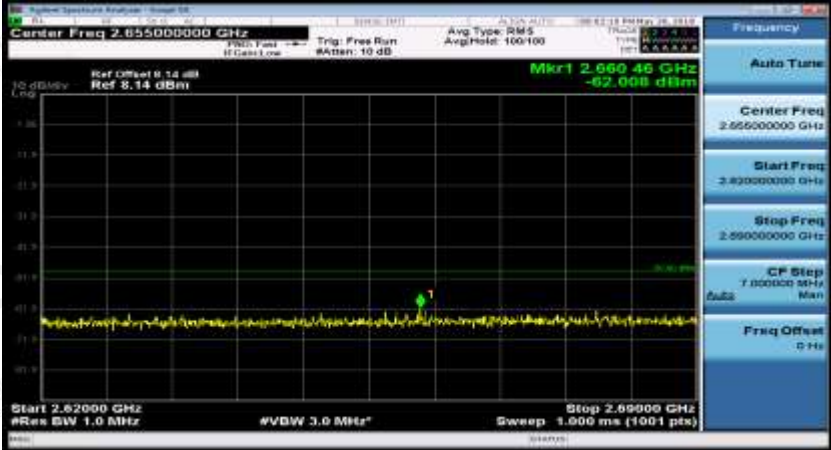
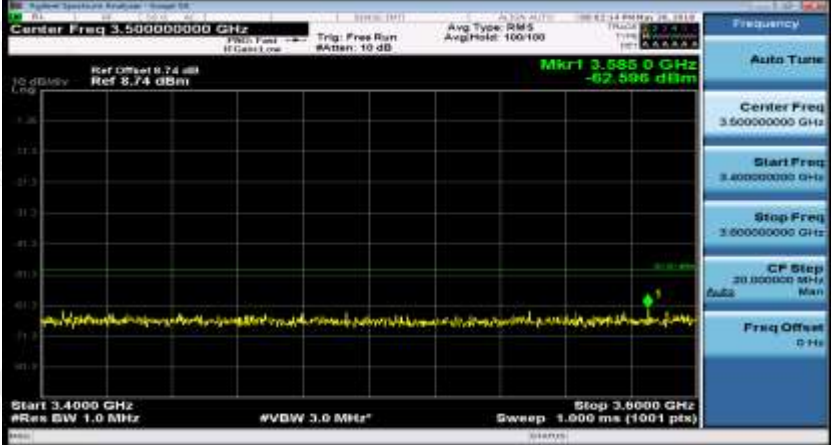
Co-existence	
Co-existence	
Co-existence	

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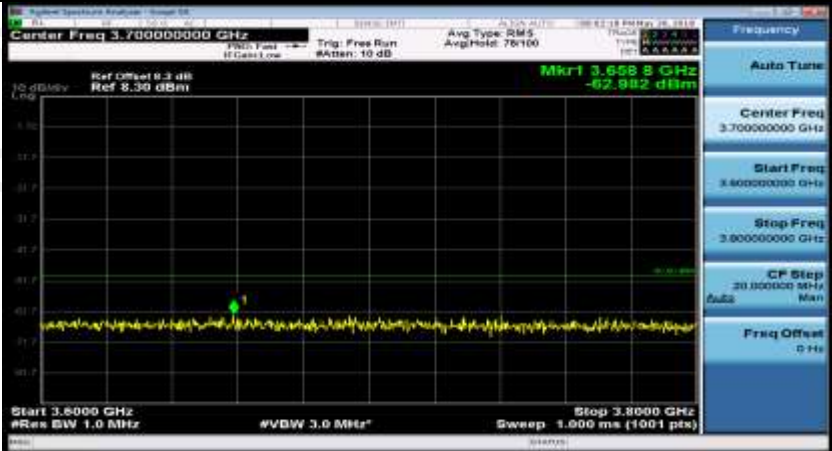
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

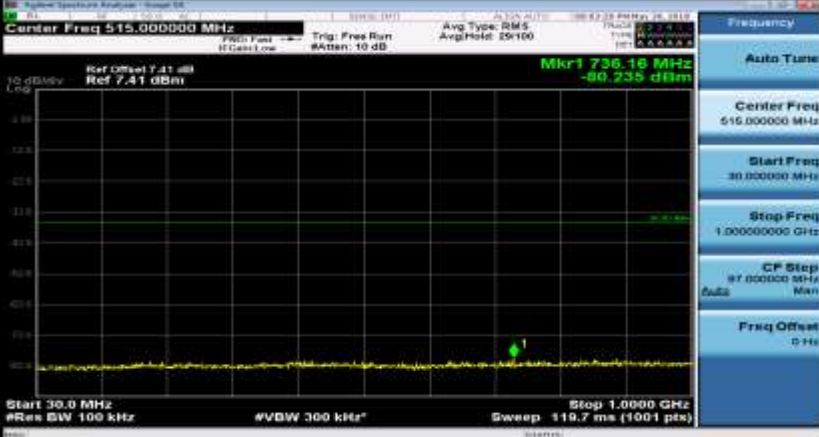
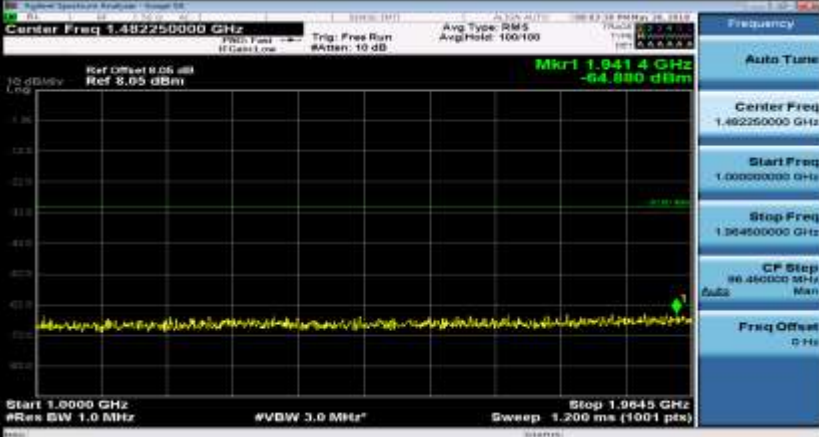
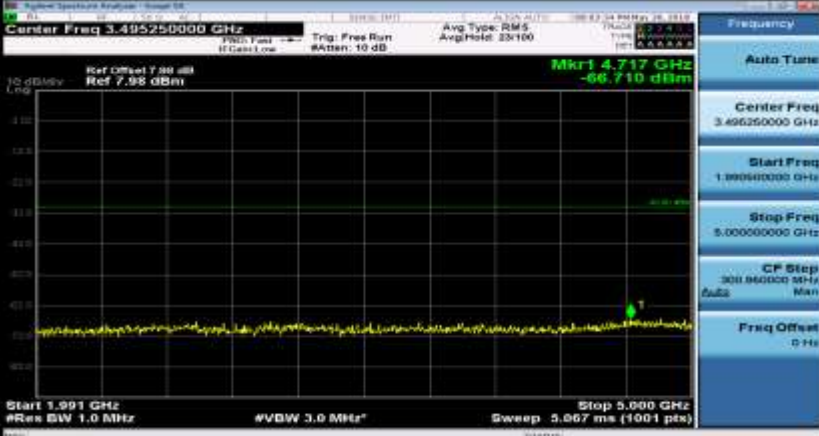
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Co-existence	
Additional	NA


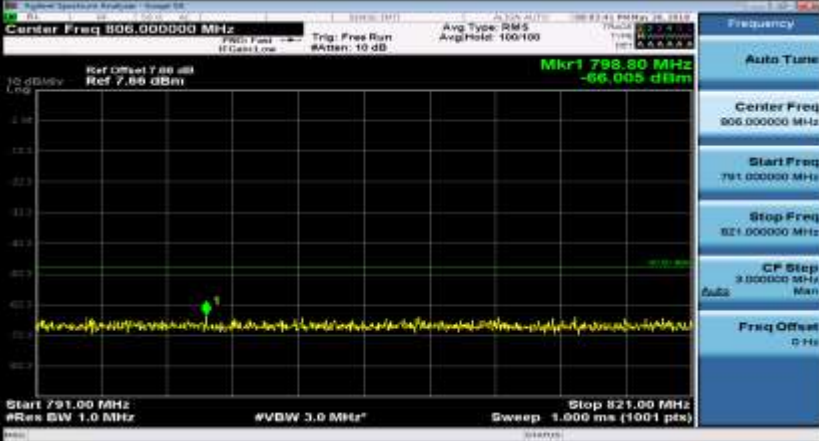
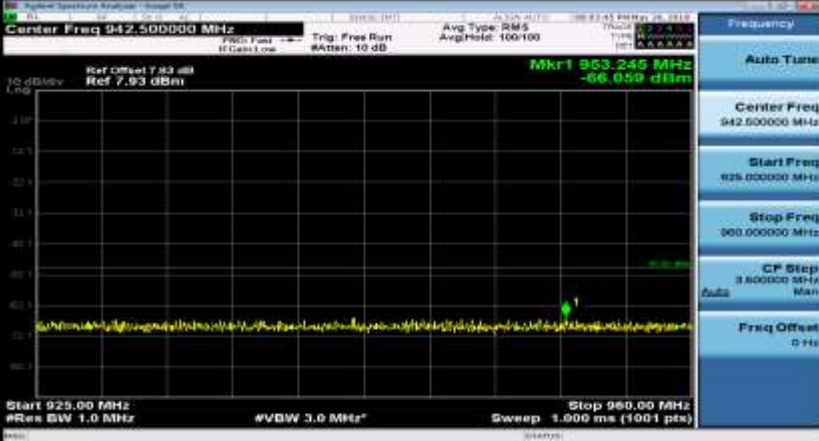
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0	
General	
General	

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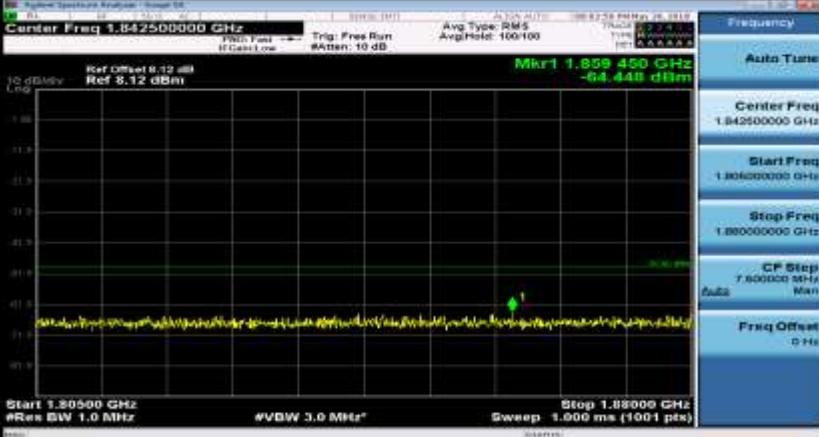
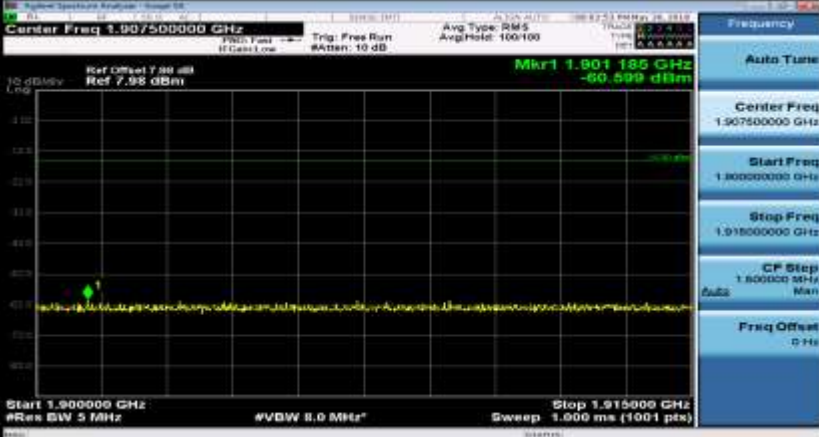
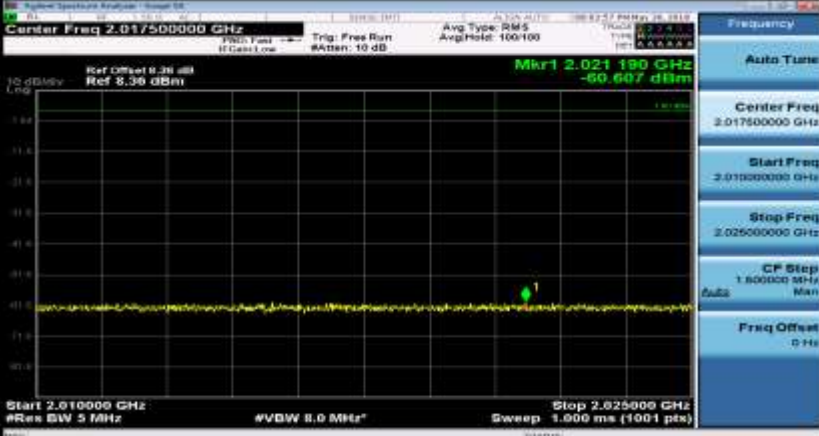
General			
General			
General			

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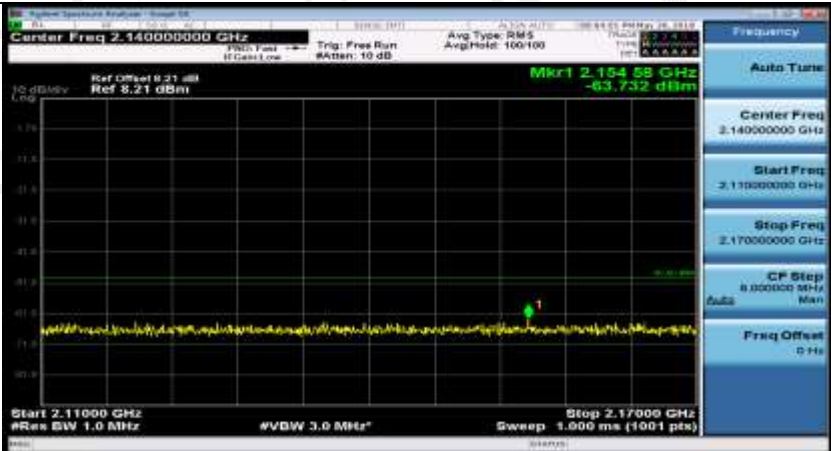
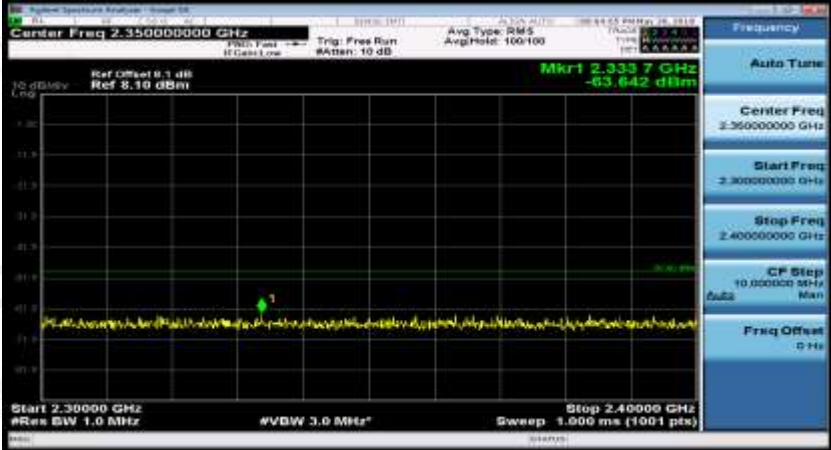
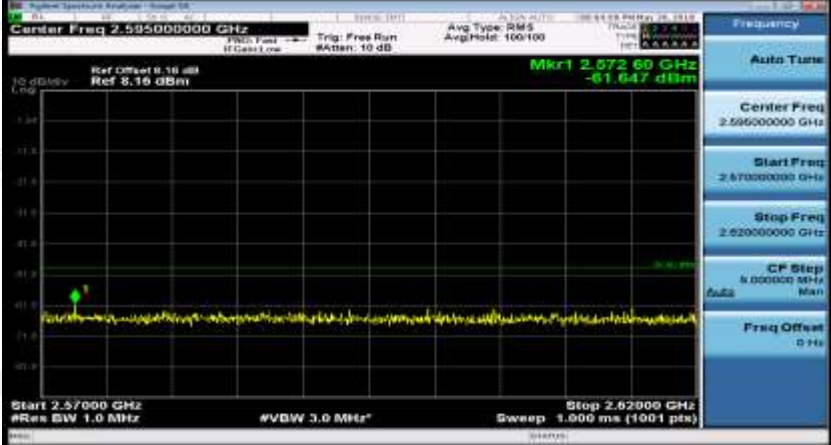
General			
Co-existence			
Co-existence			

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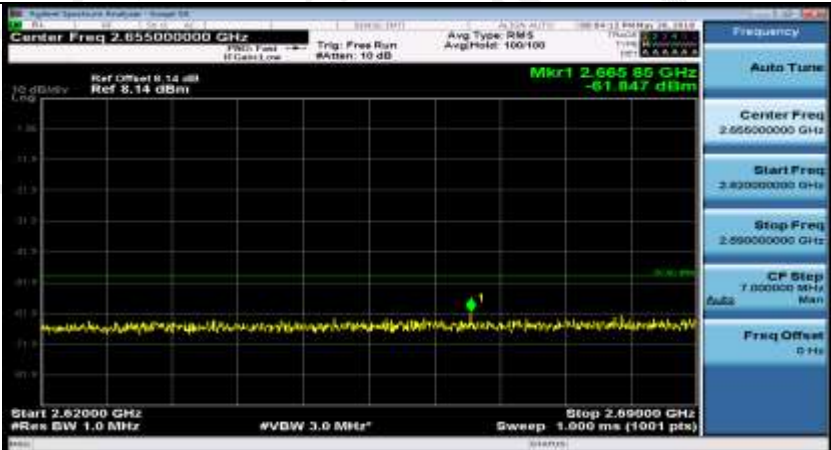
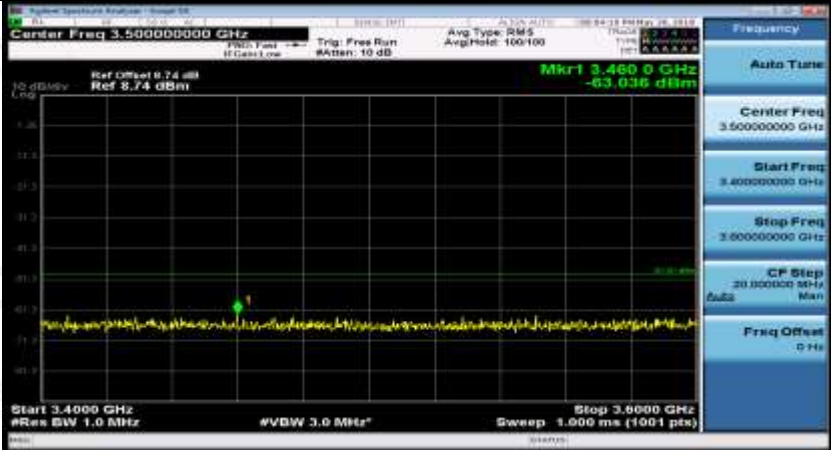
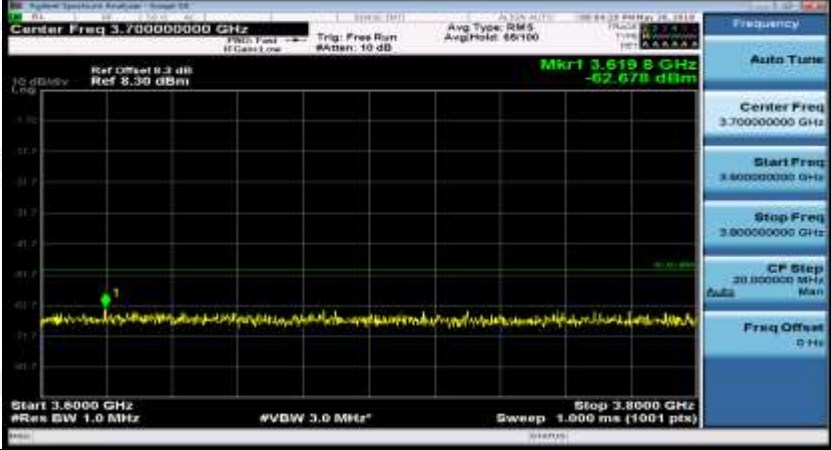
Co-existence			
Co-existence			
Co-existence			

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Co-existence		
Co-existence		
Co-existence		

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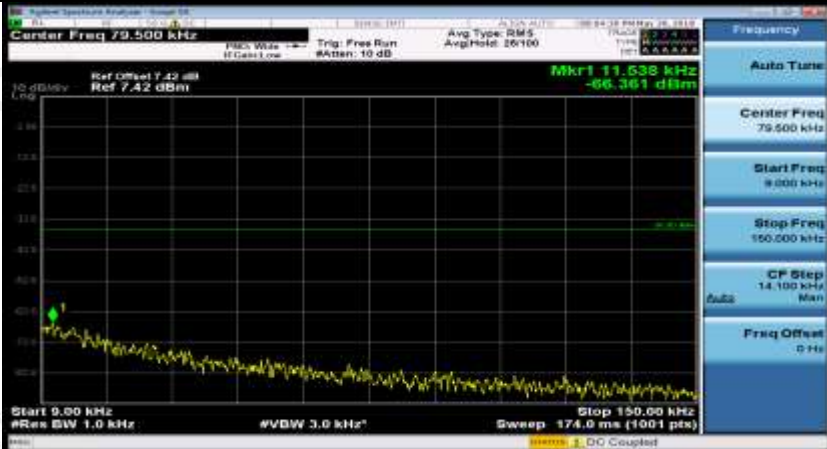
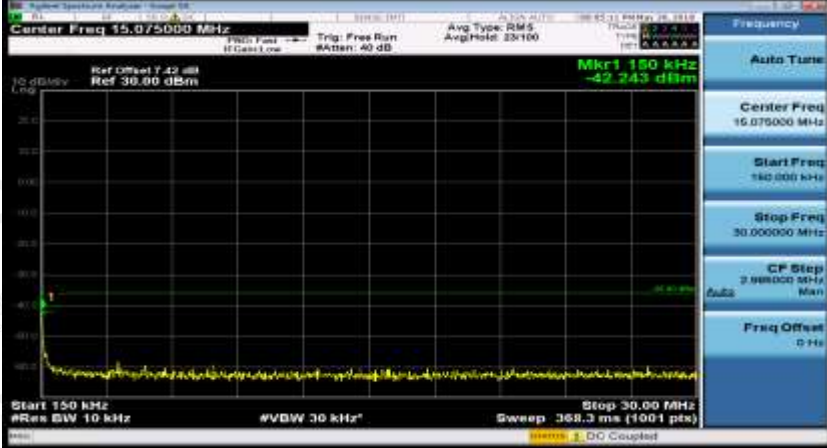
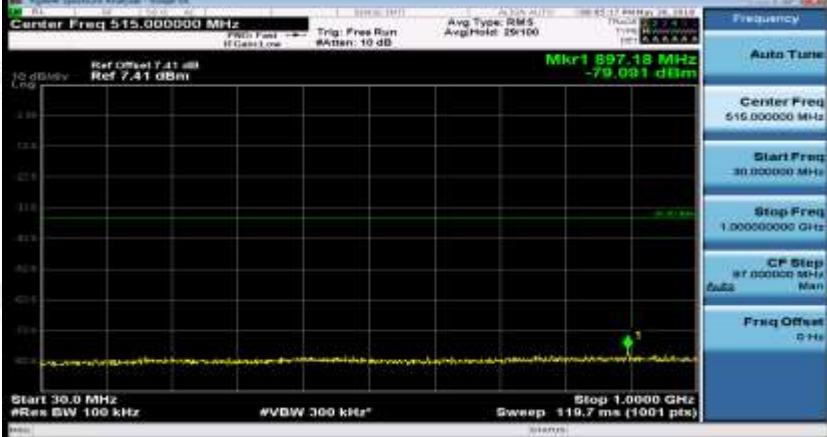
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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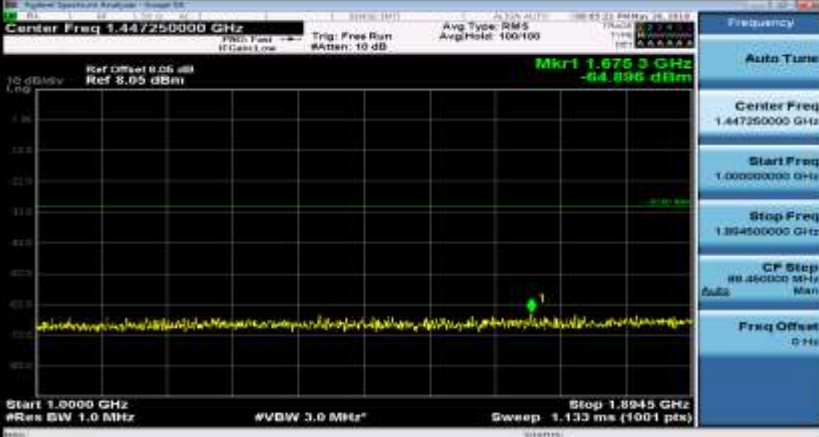




Channel Bandwidth= (20 MHz)

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

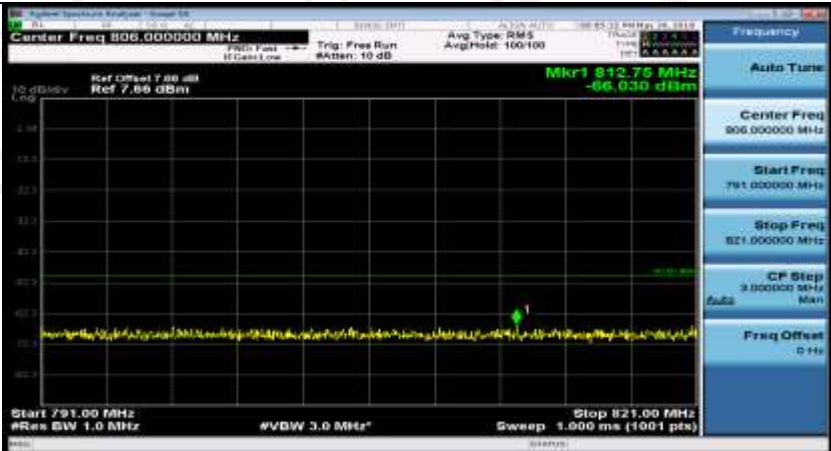

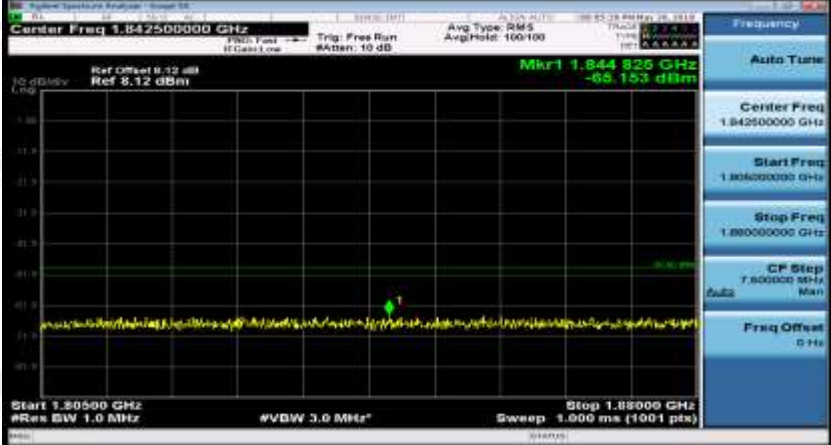
General		
General		
General		

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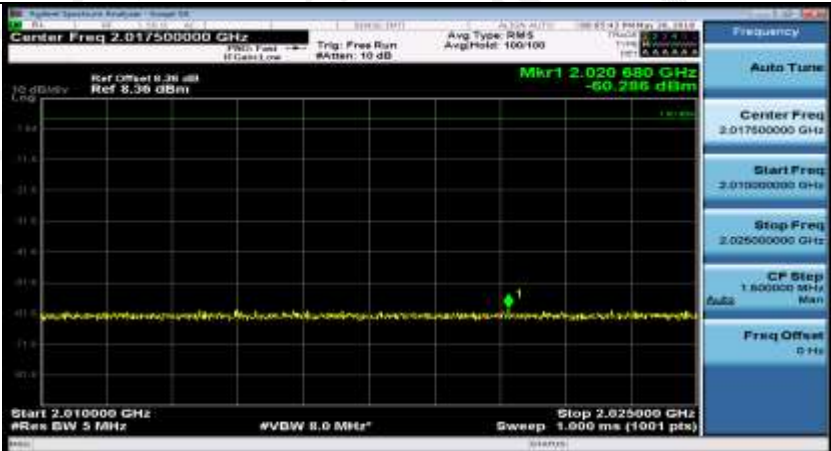
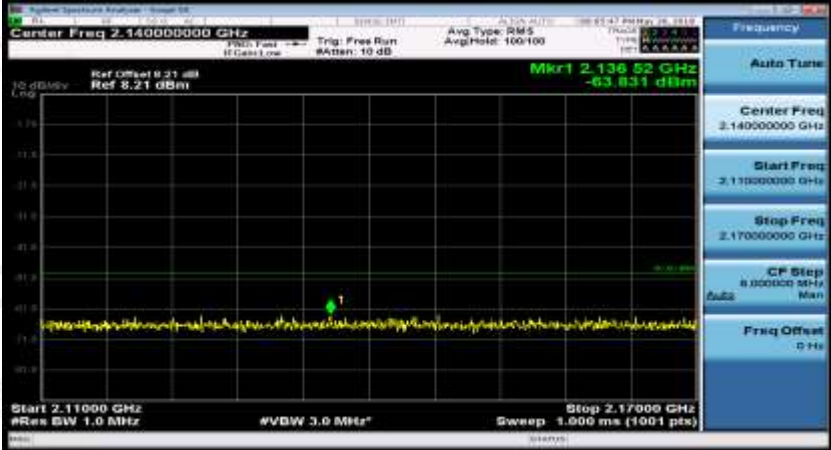
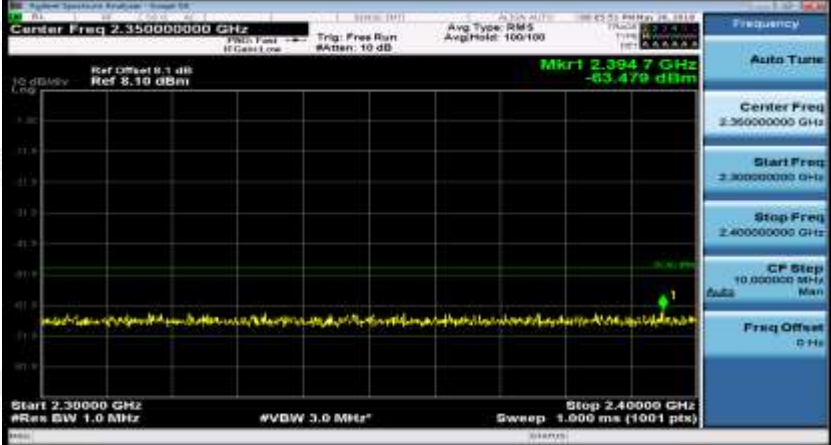
General			
General			
General			

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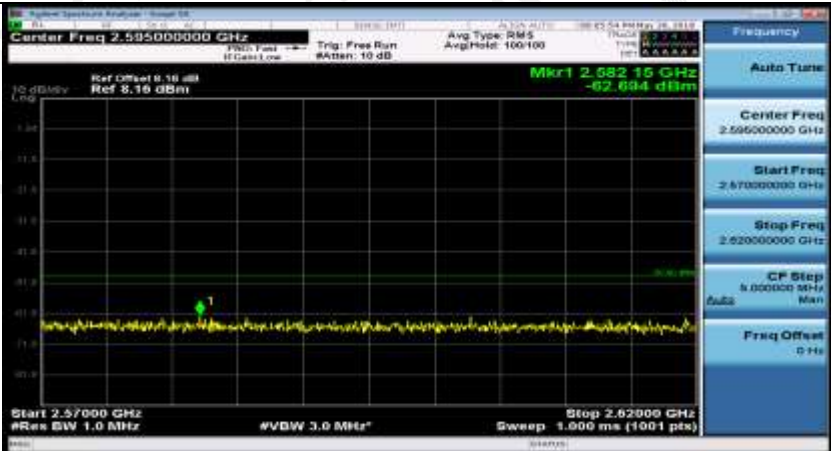
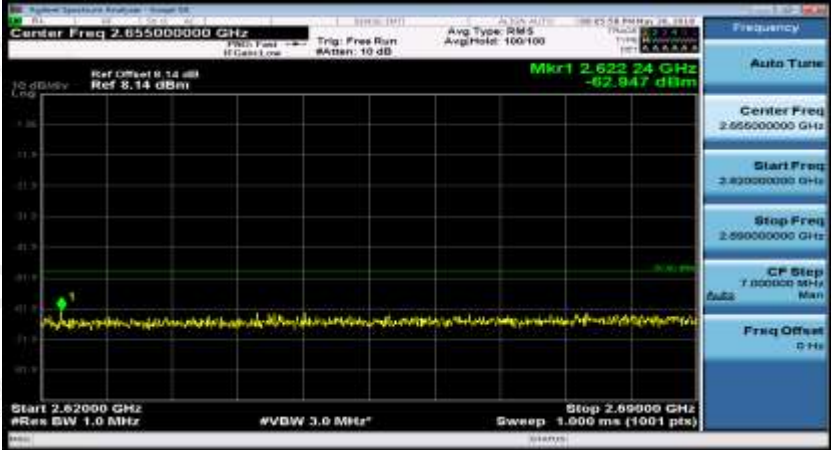
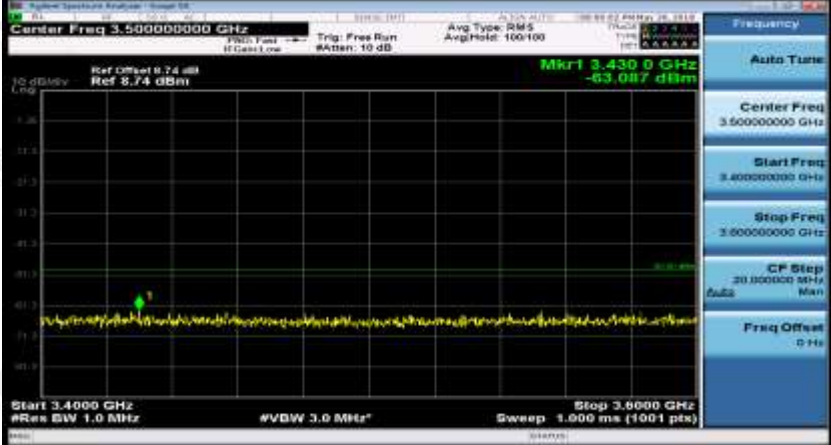
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

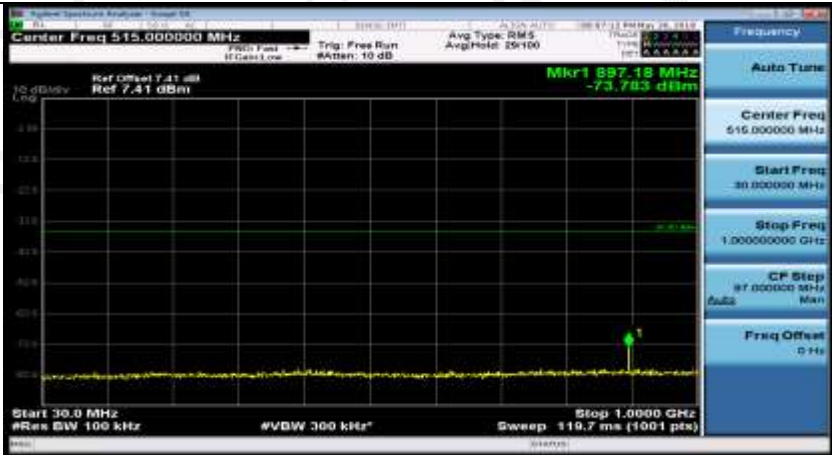
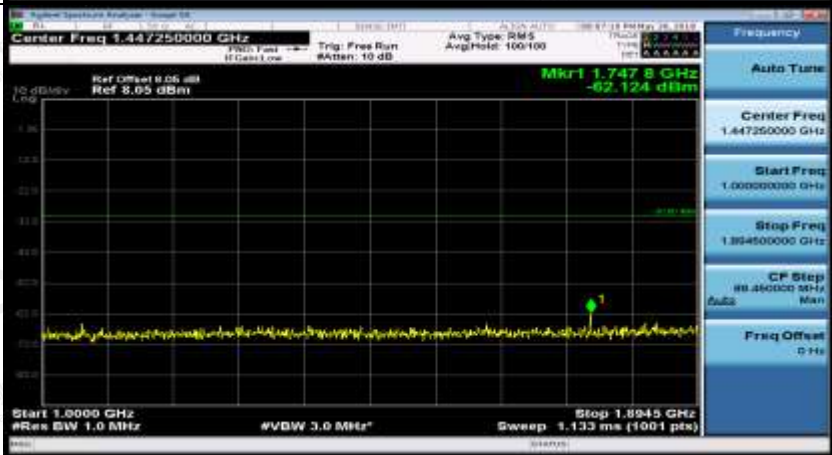

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Co-existence	
Additional	NA

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

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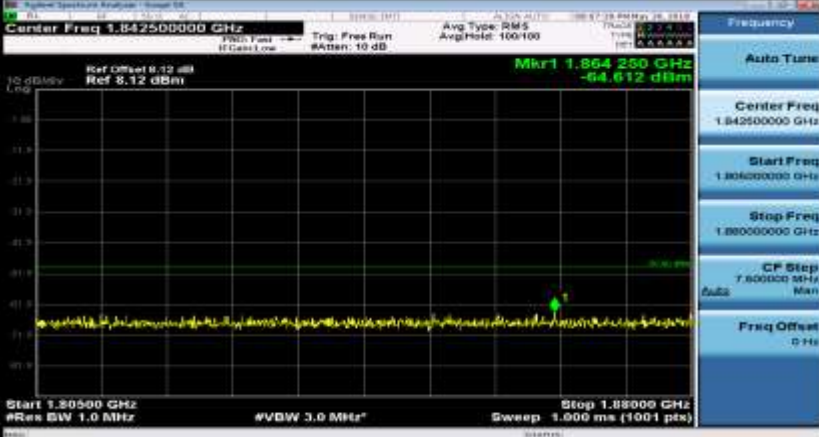
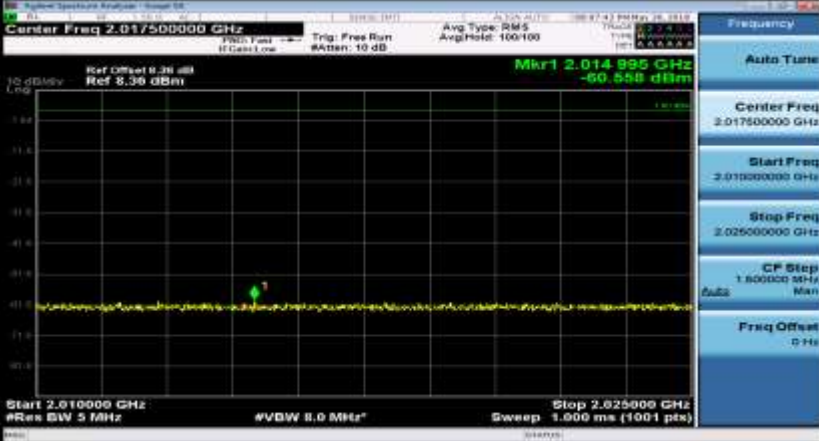
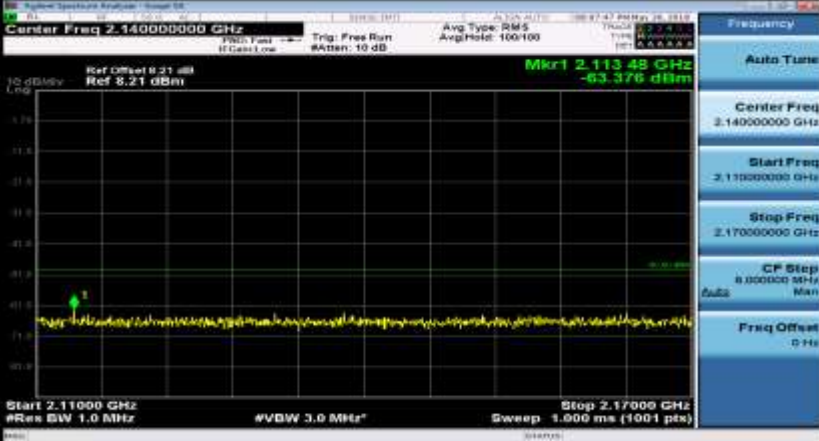
General			
General			
General			

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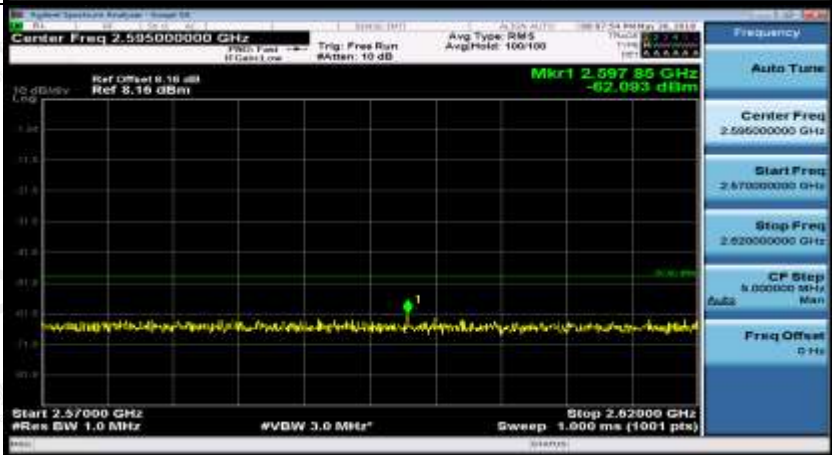
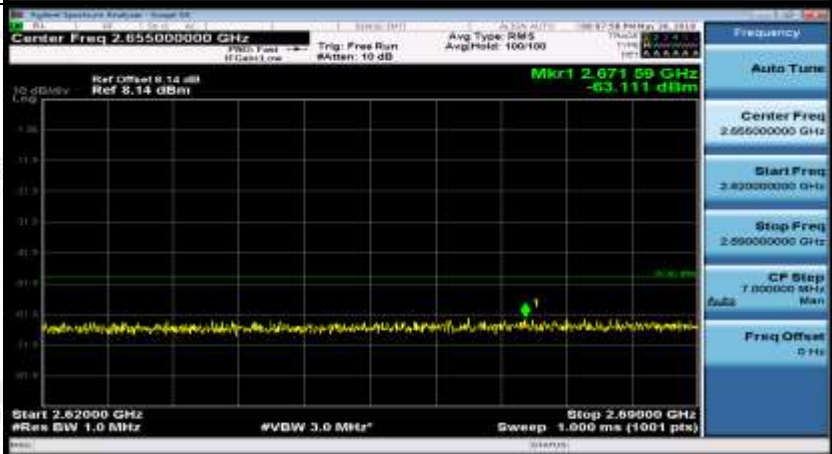
General			
Co-existence			
Co-existence			

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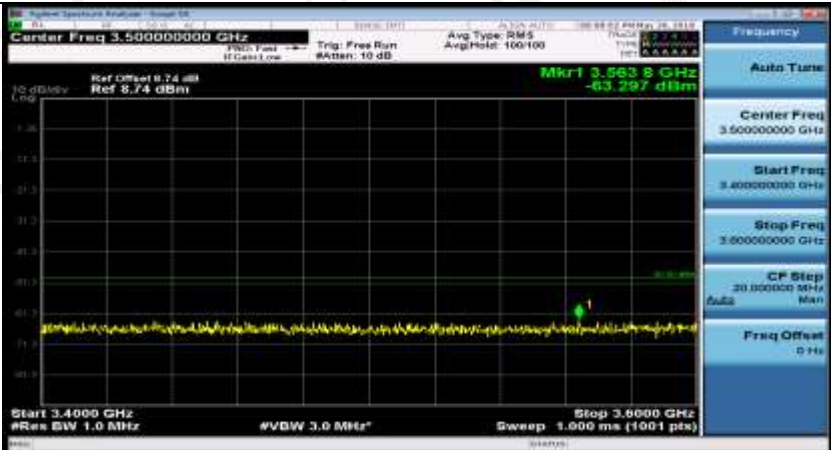
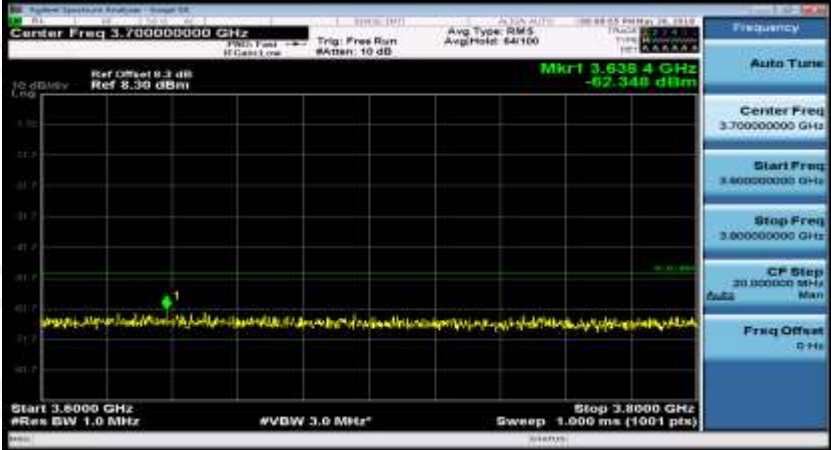
Co-existence			
Co-existence			
Co-existence			


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Co-existence			
Co-existence			
Co-existence			

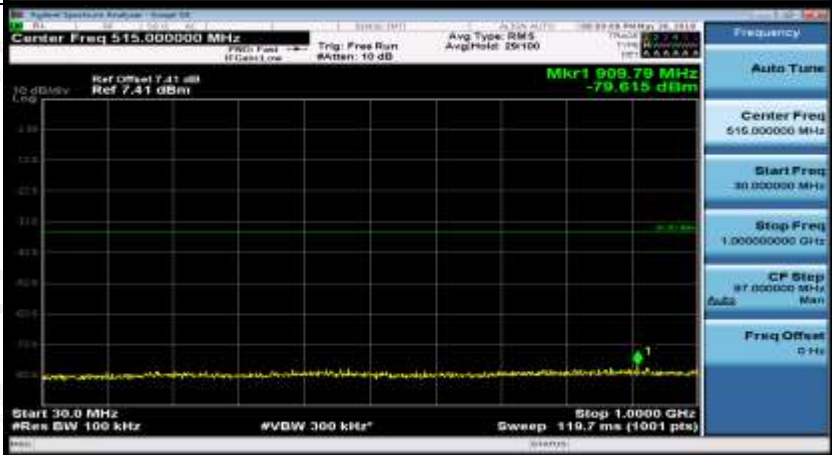
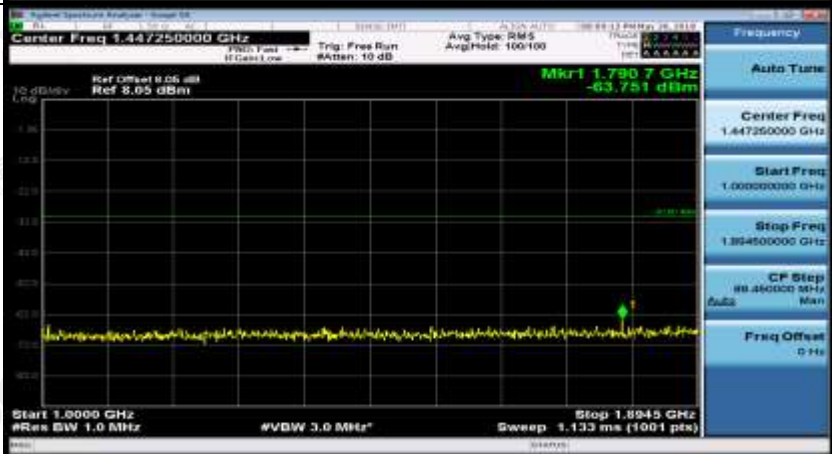
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Co-existence	
Co-existence	
Additional	NA




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

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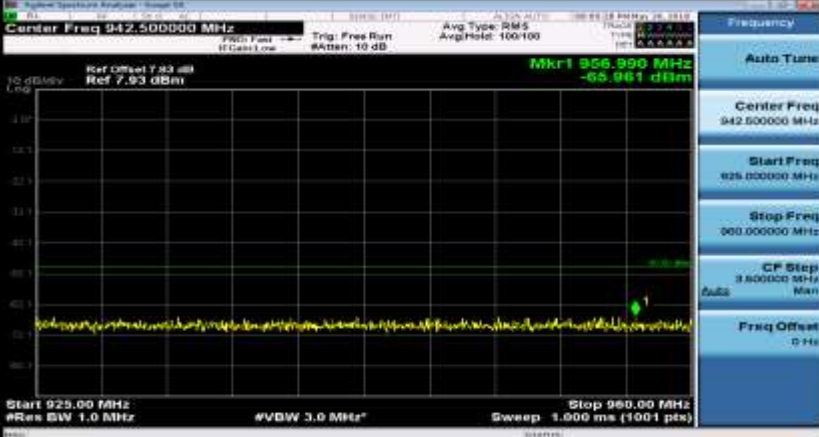
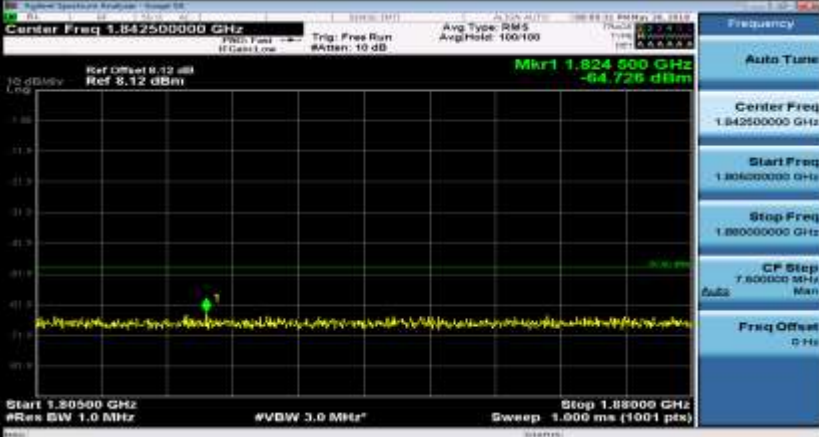
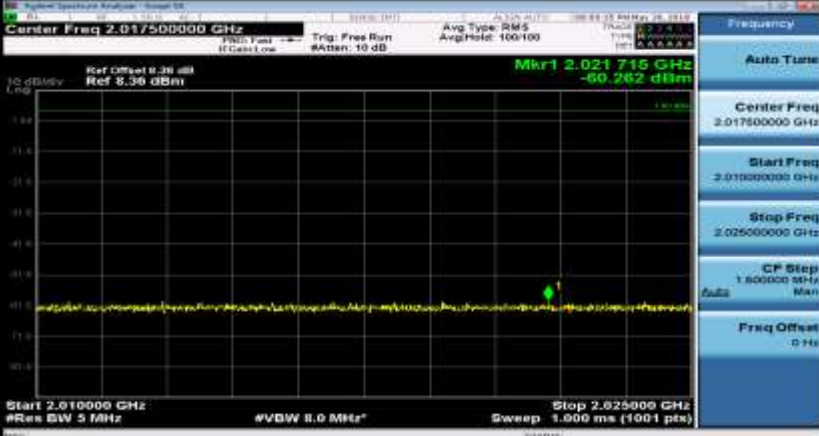
General			
General			
General			

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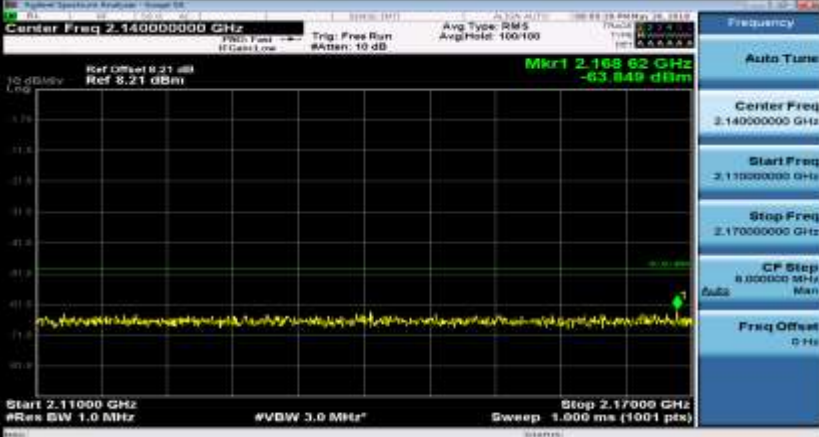
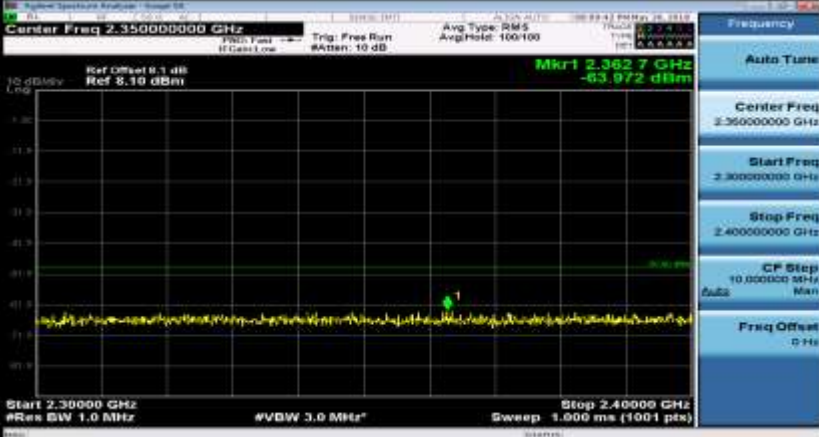

General			
General			
Co-existence			

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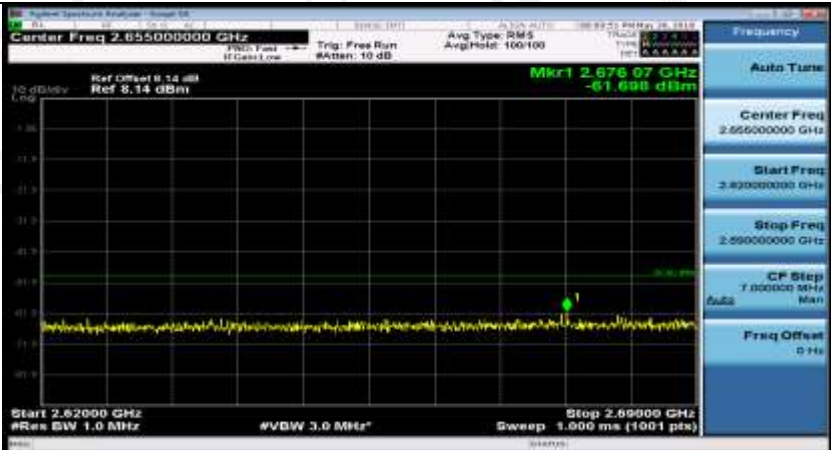
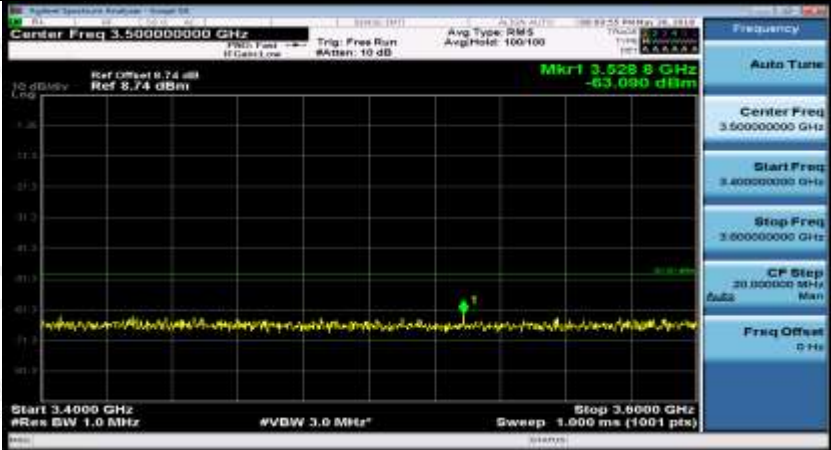
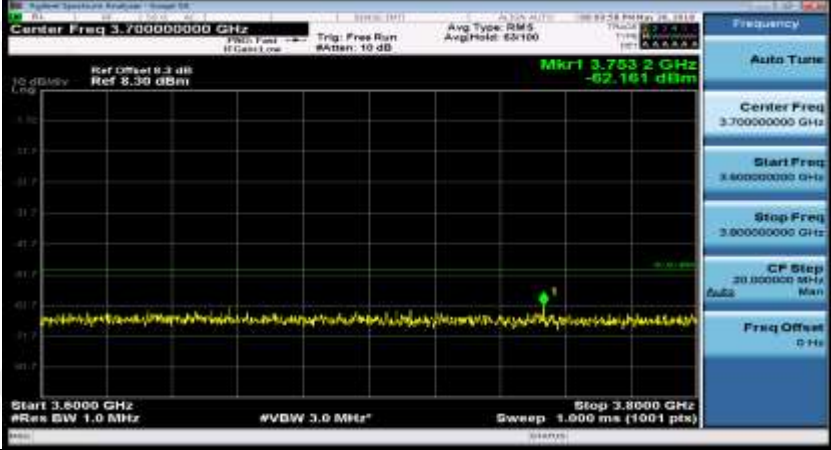
Co-existence			
Co-existence			
Co-existence			

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Co-existence			
Co-existence			
Co-existence			

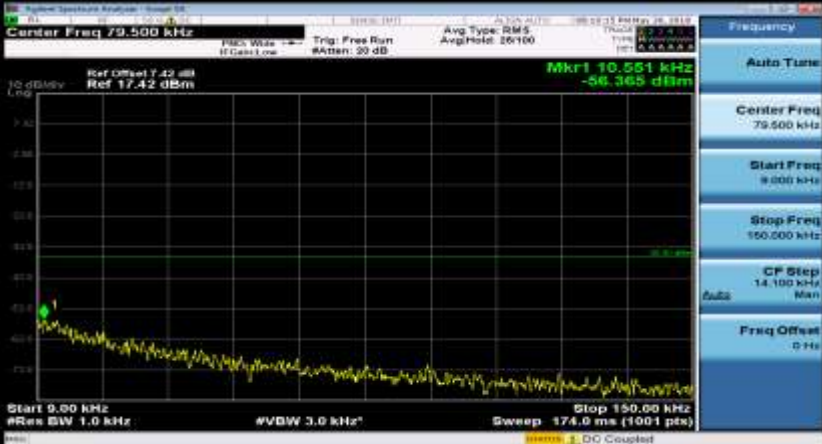
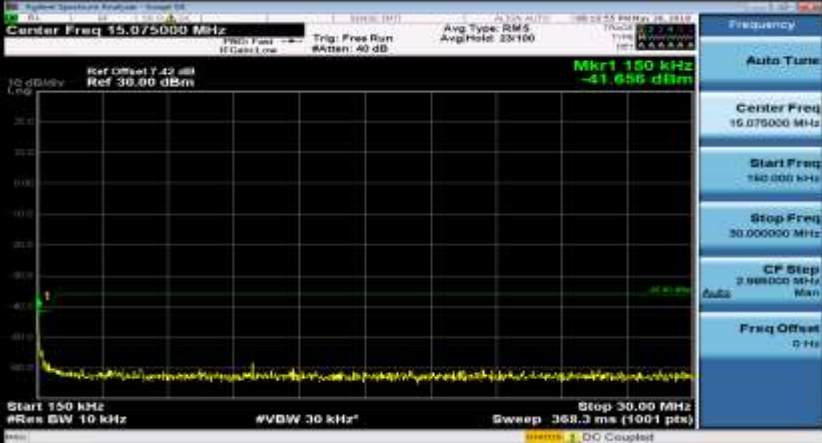
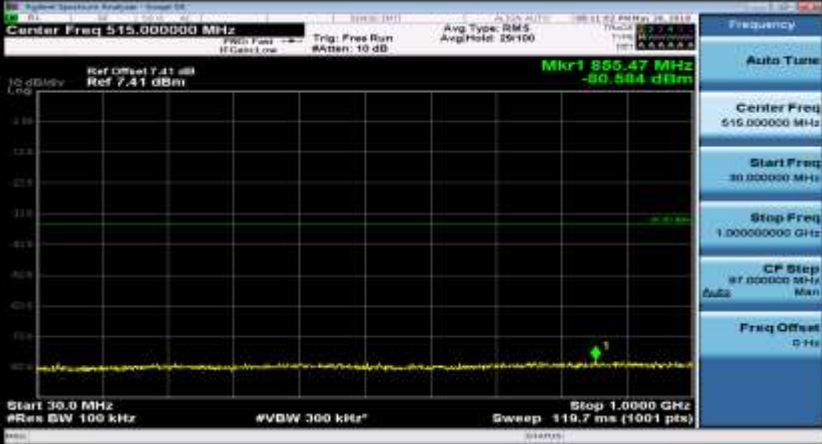
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

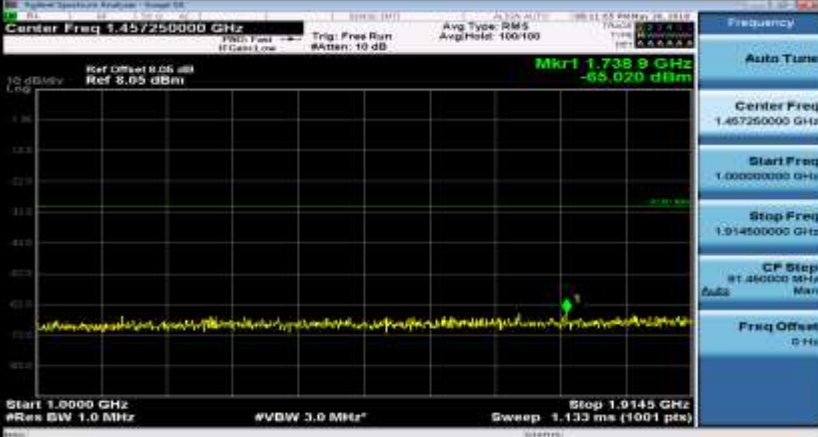


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Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

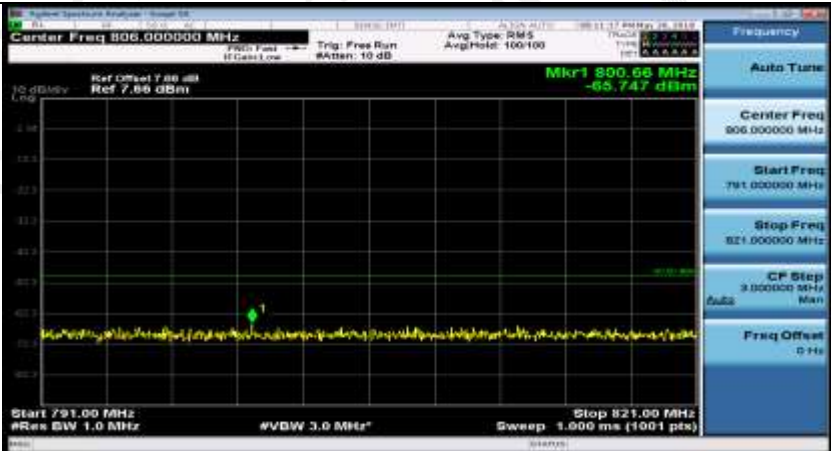
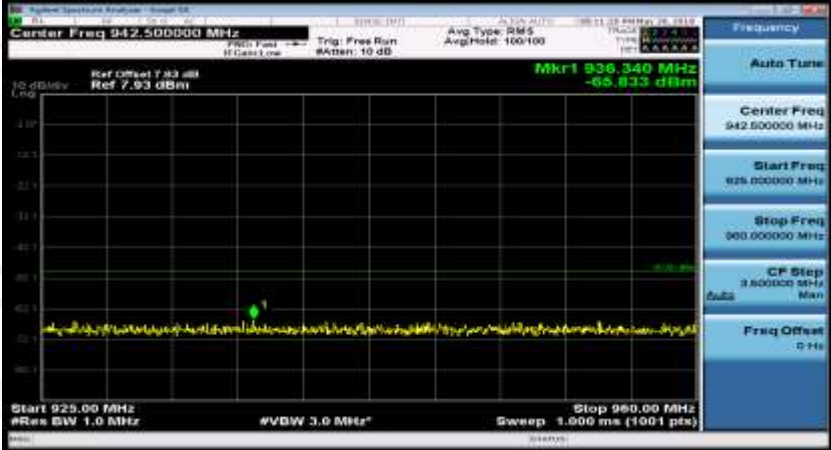
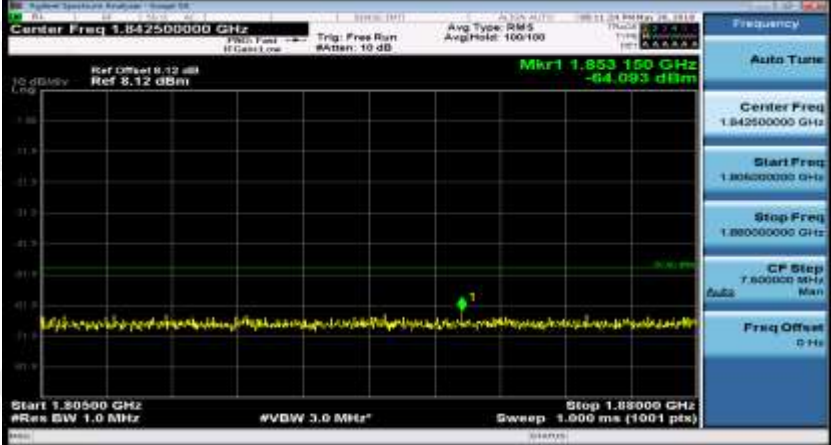
General		
General		
General		

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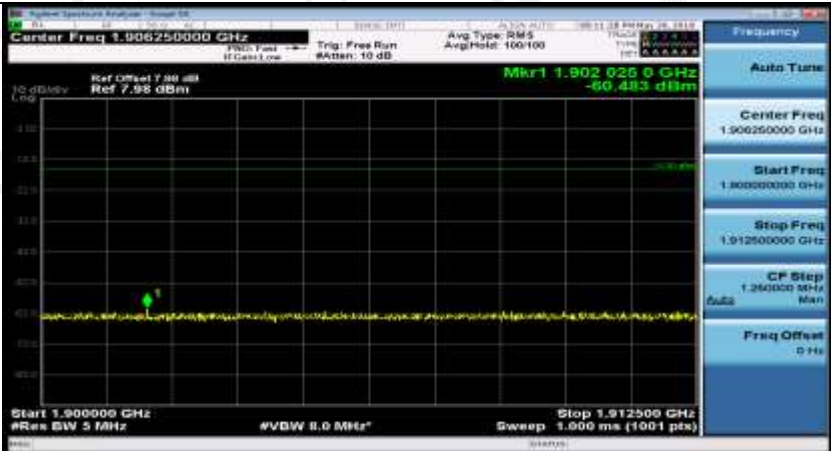
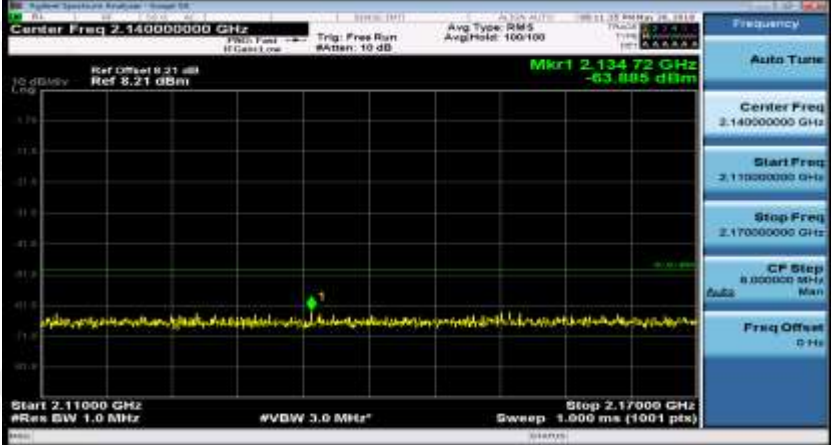
General			
General			
General			

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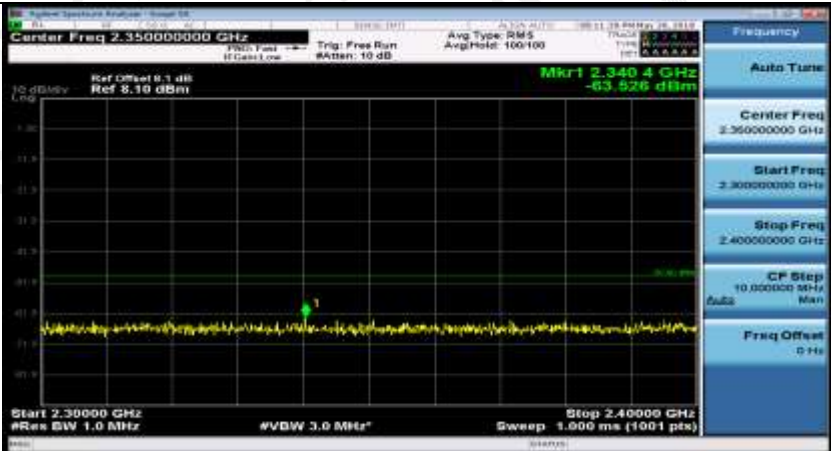
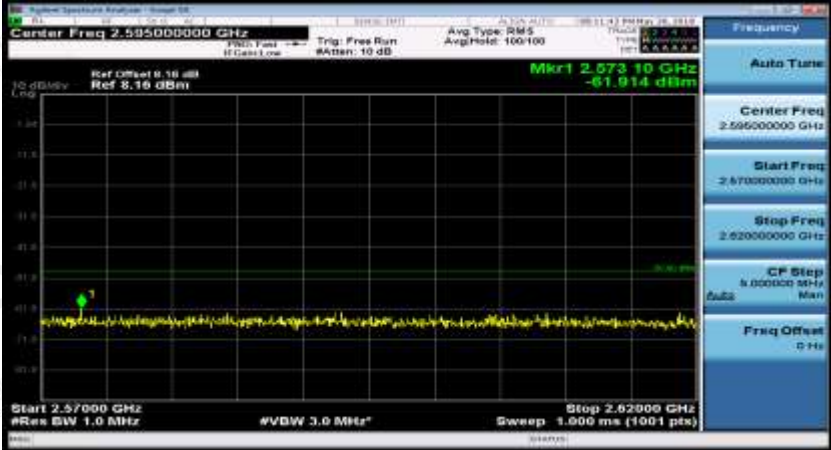
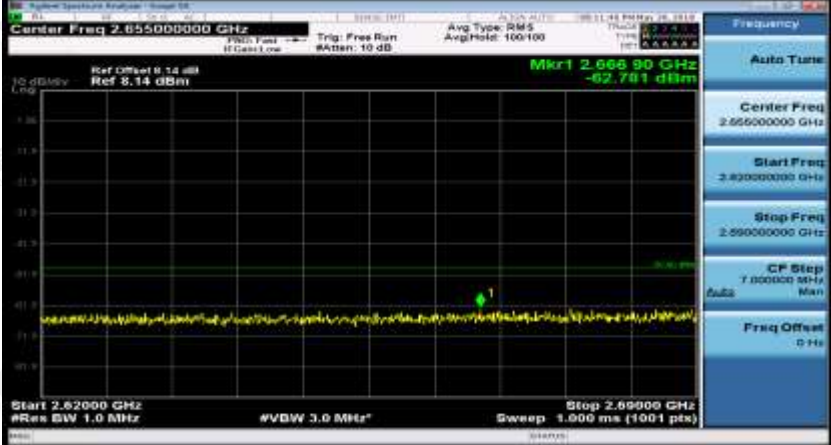
Co-existence	
Co-existence	
Co-existence	

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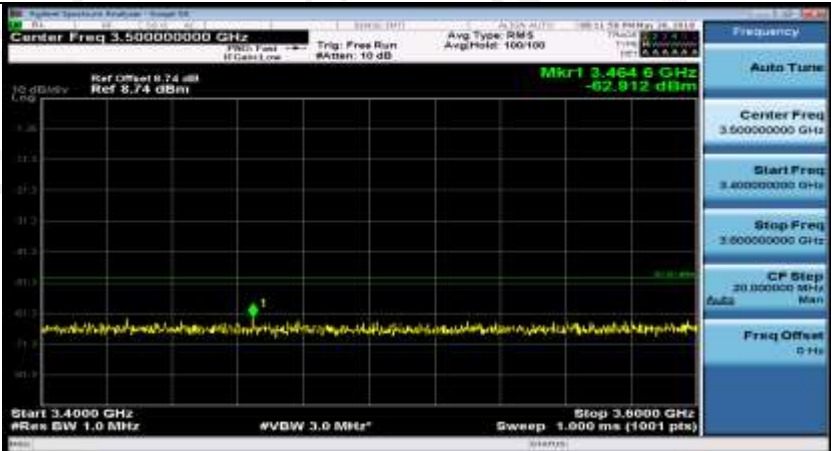
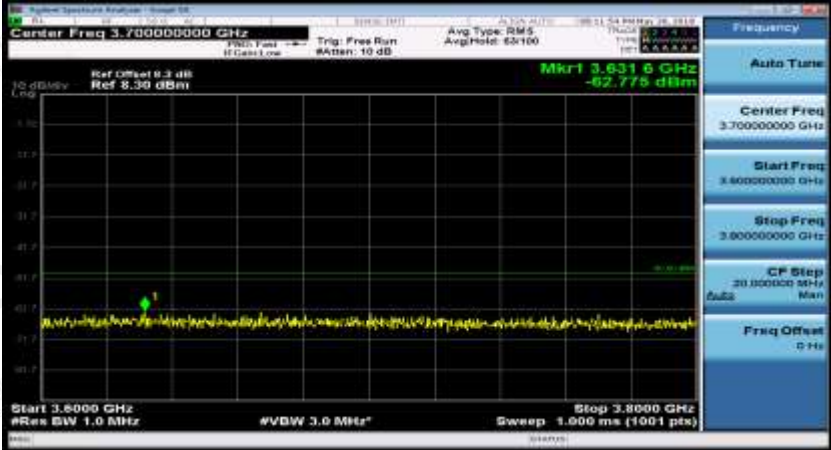
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Additional	NA

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

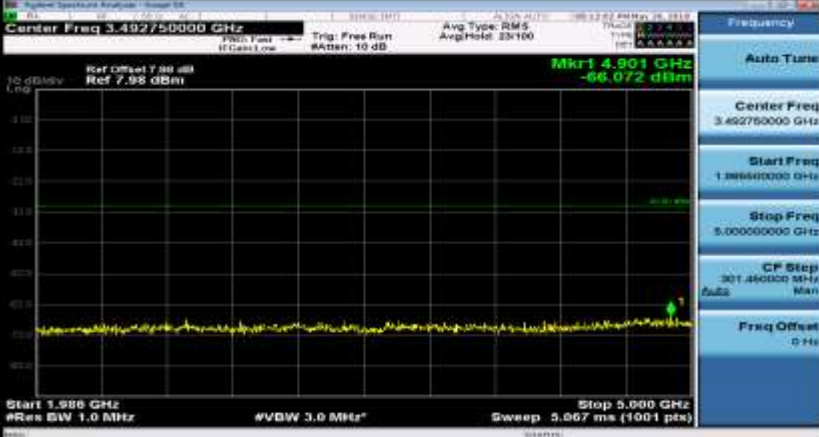


General	
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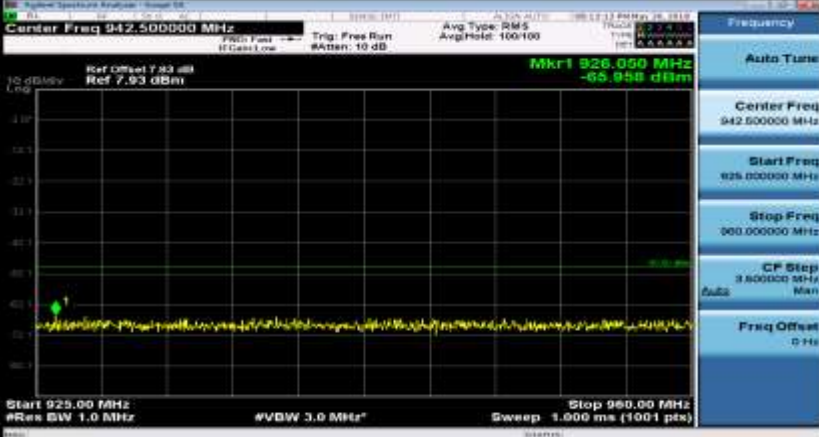
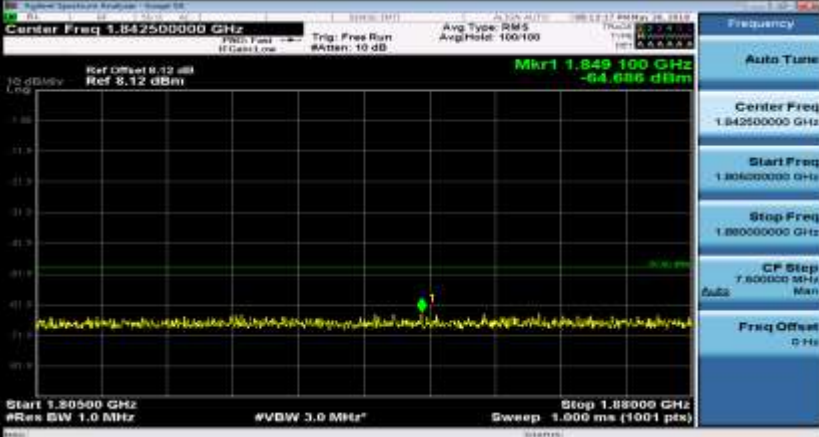
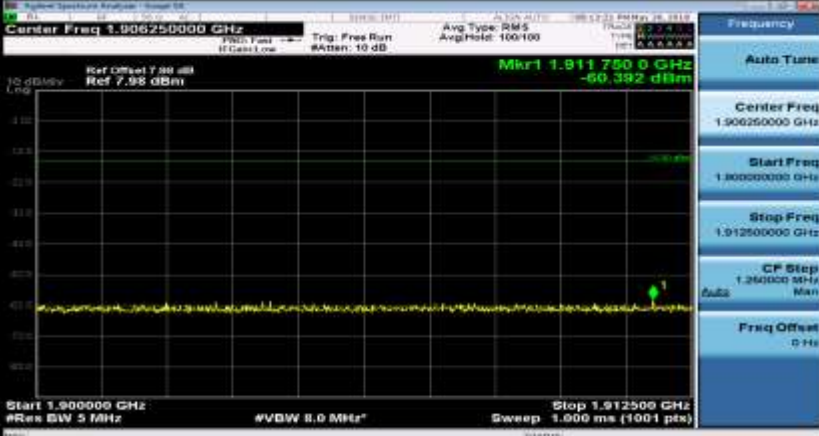
General			
General			
General			

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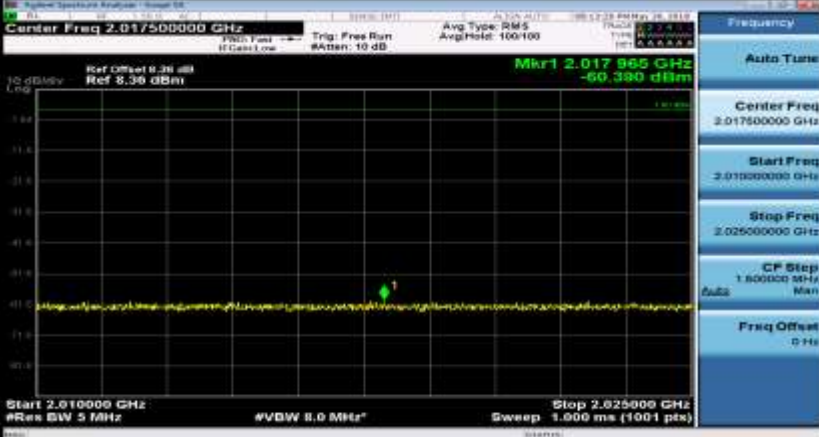
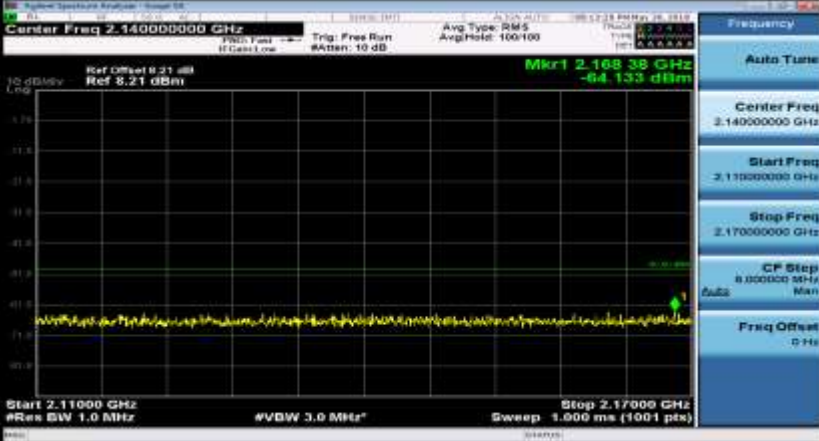
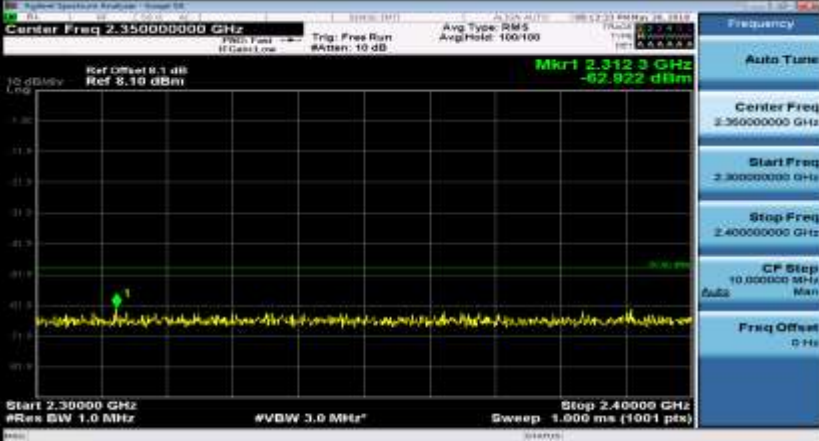
General			
General			
Co-existence			

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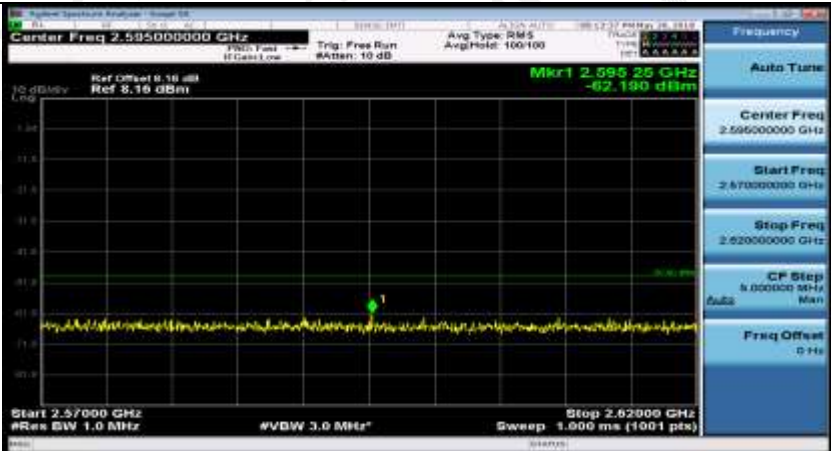
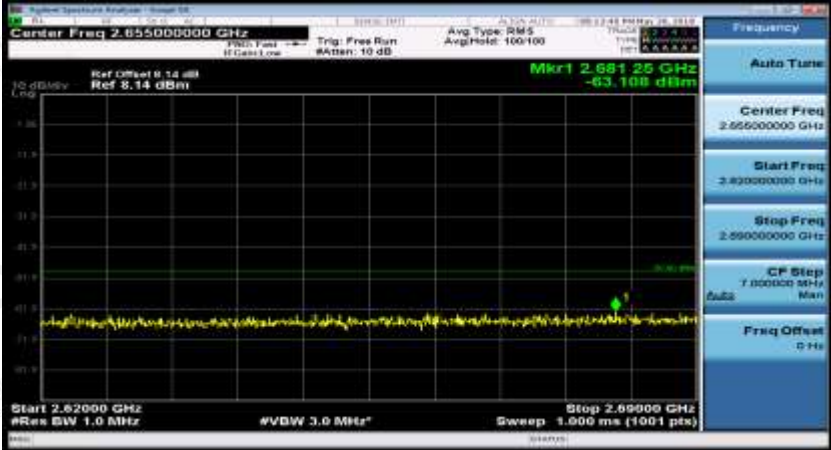
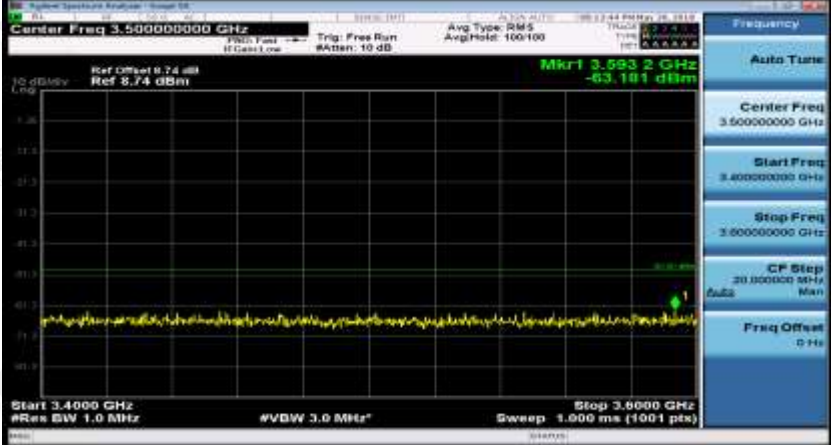
Co-existence			
Co-existence			
Co-existence			

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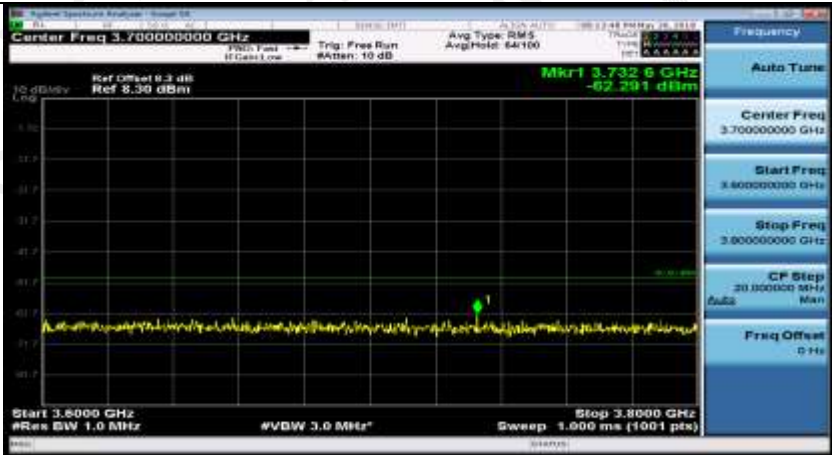
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

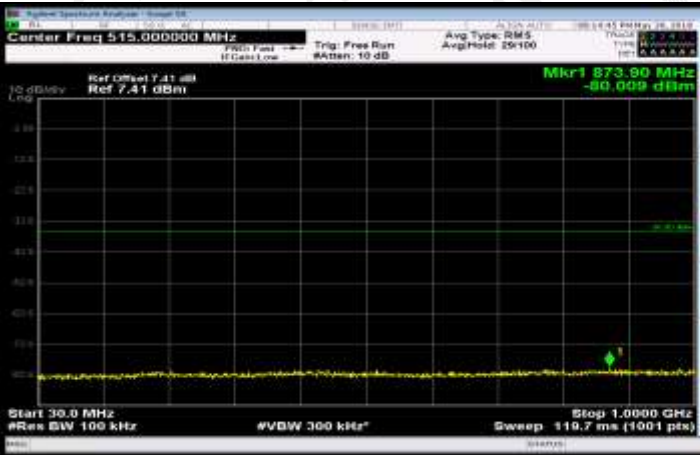
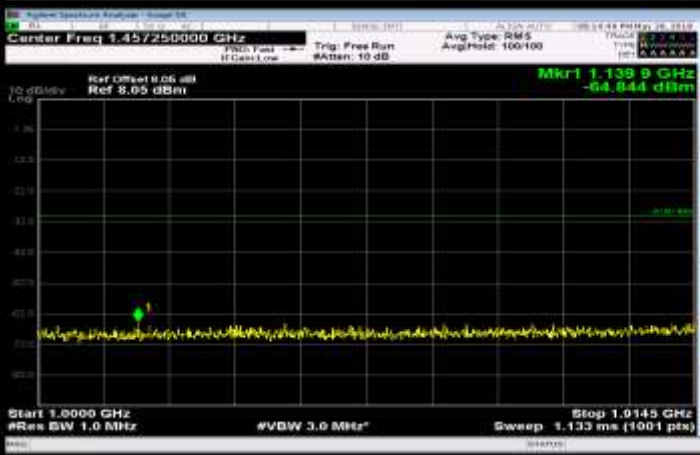

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Co-existence	
Additional	NA

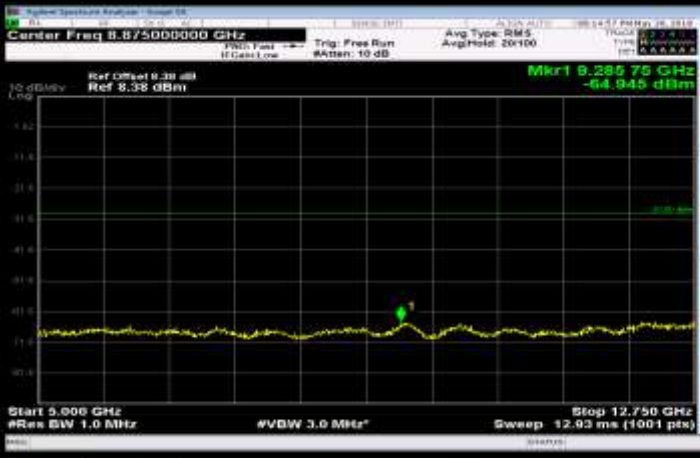
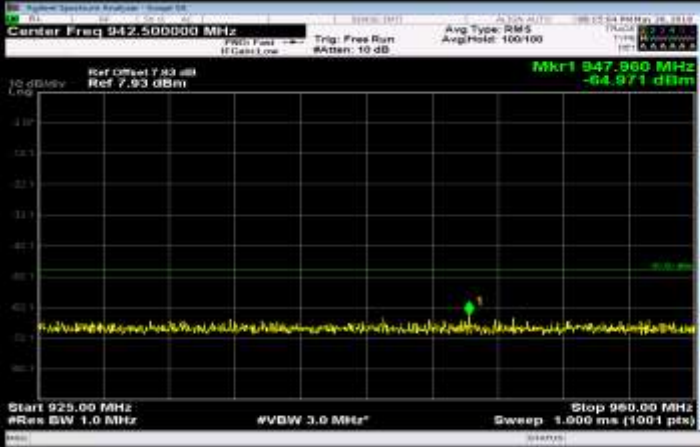
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	
General	

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General		
General		
General		

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General		
Co-existence		
Co-existence		

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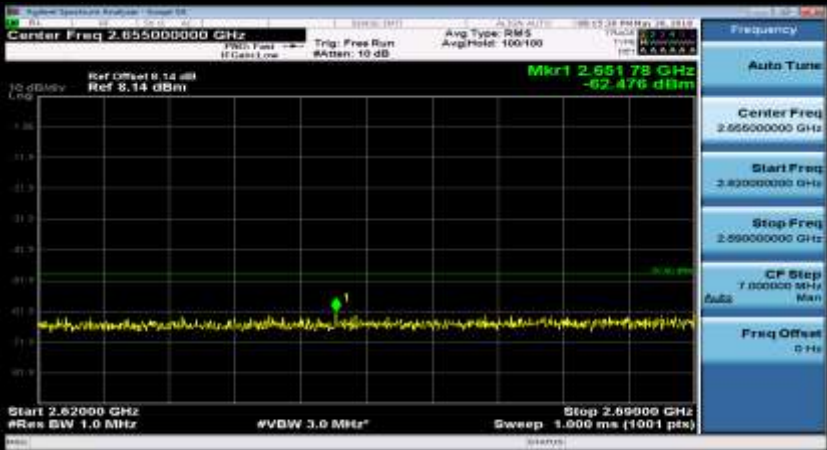
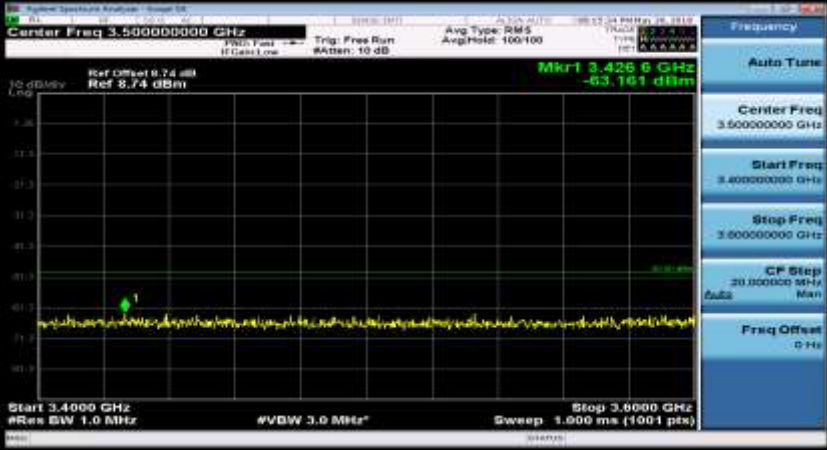
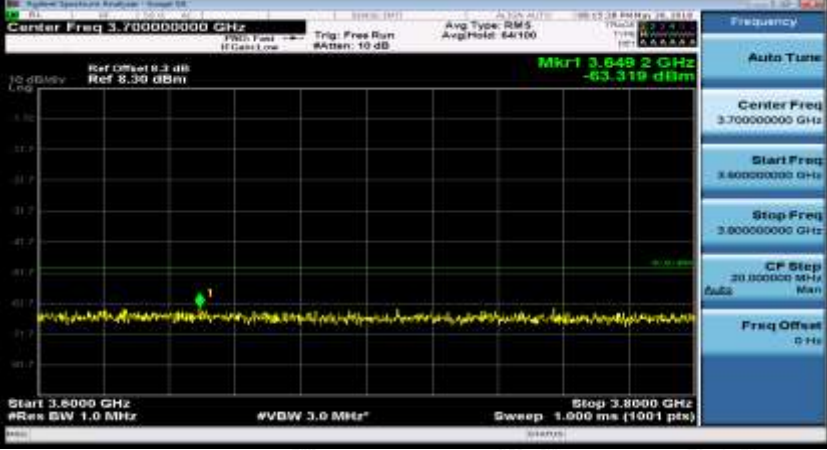
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

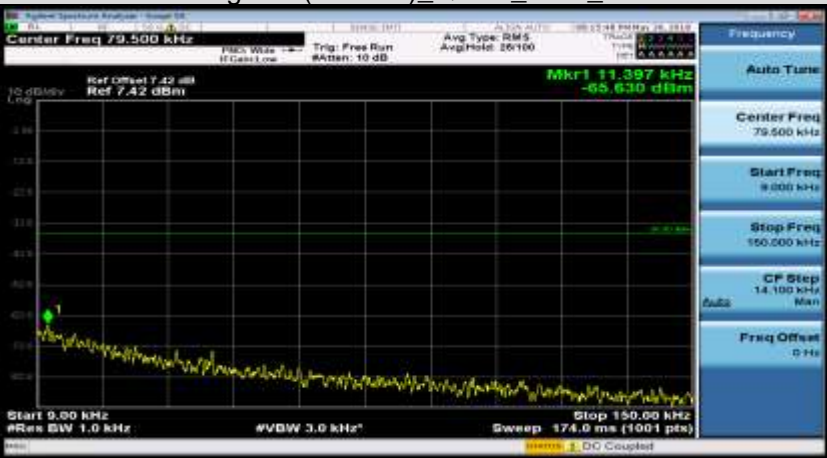

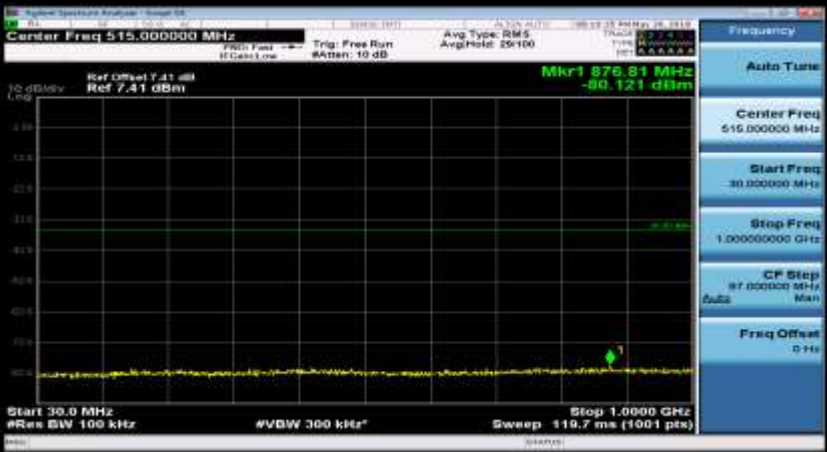
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

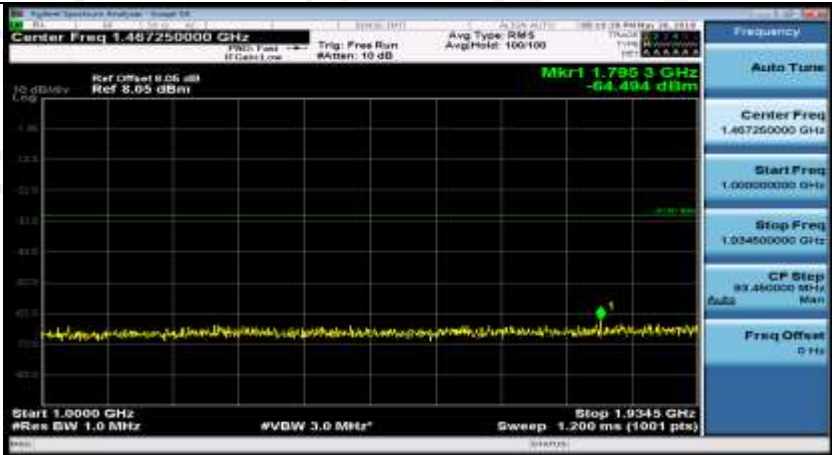

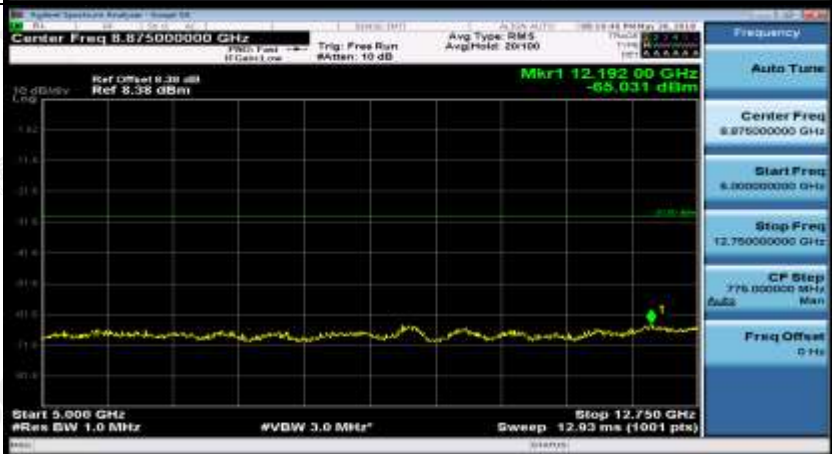
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

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

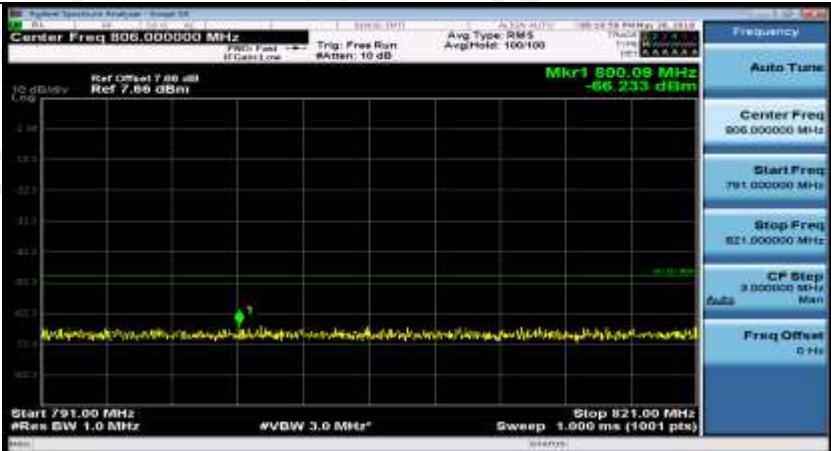
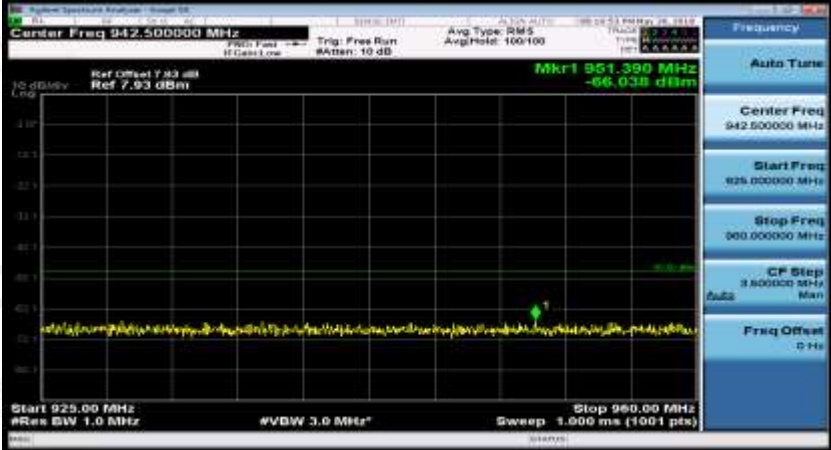
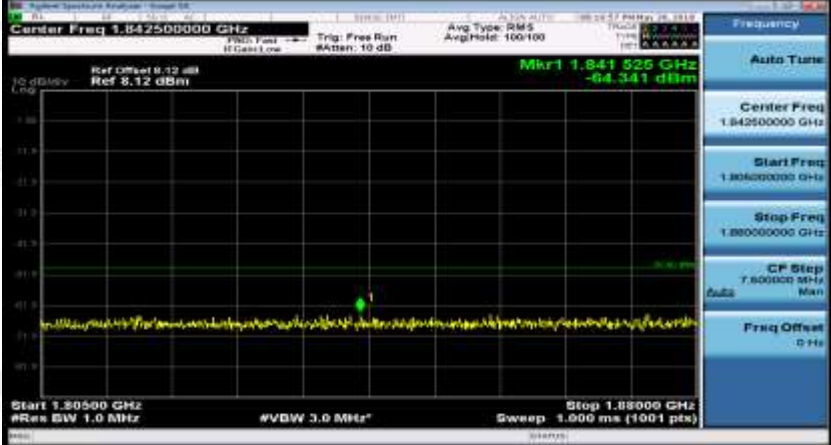
General		
General		
General		

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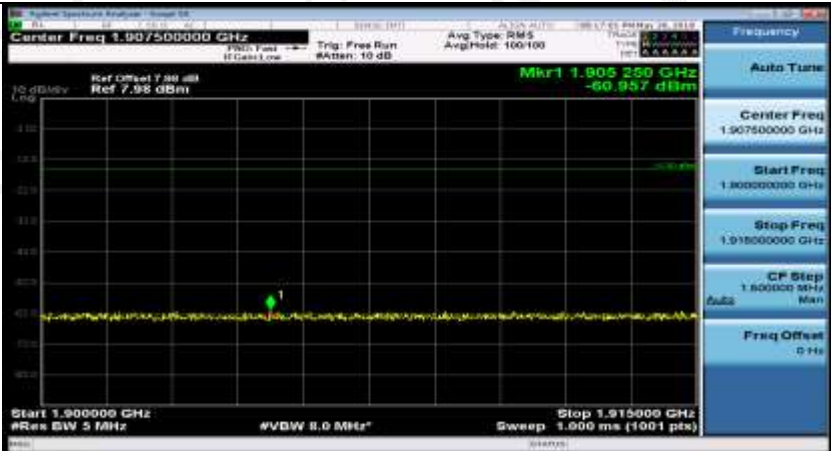
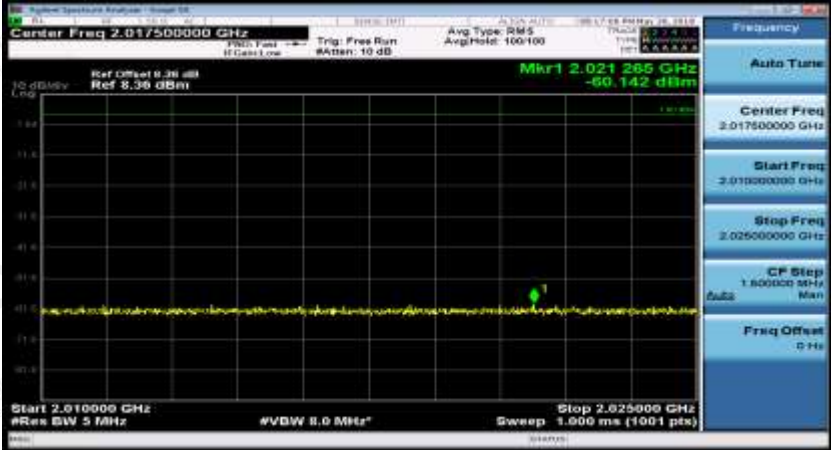
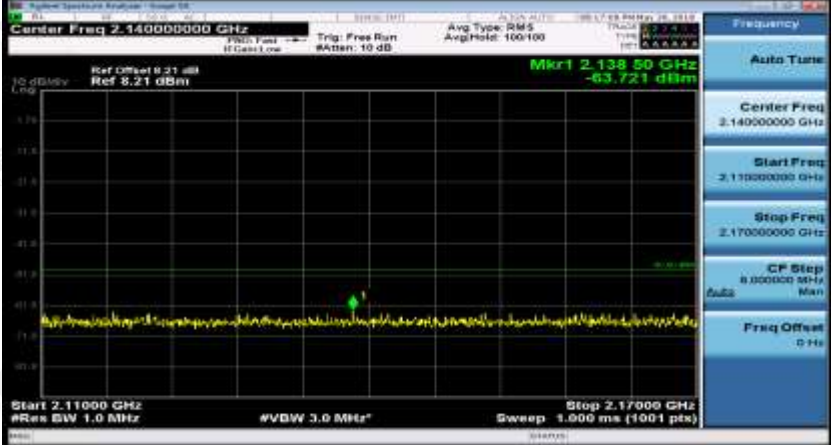
General		 <p>Center Freq 1.487250000 GHz Ref Offset 0.05 dBm Ref 3.05 dBm Mkr1 1.7953 GHz -64.494 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.9345 GHz Sweep 1.200 ms (1001 pts)</p>	
General		 <p>Center Freq 3.502750000 GHz Ref Offset 0.36 dBm Ref 3.36 dBm Mkr1 2.6823 GHz -66.130 dBm Start 2.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.000 ms (1001 pts)</p>	
General		 <p>Center Freq 8.875000000 GHz Ref Offset 0.38 dBm Ref 5.38 dBm Mkr1 12.19200 GHz -65.031 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>	

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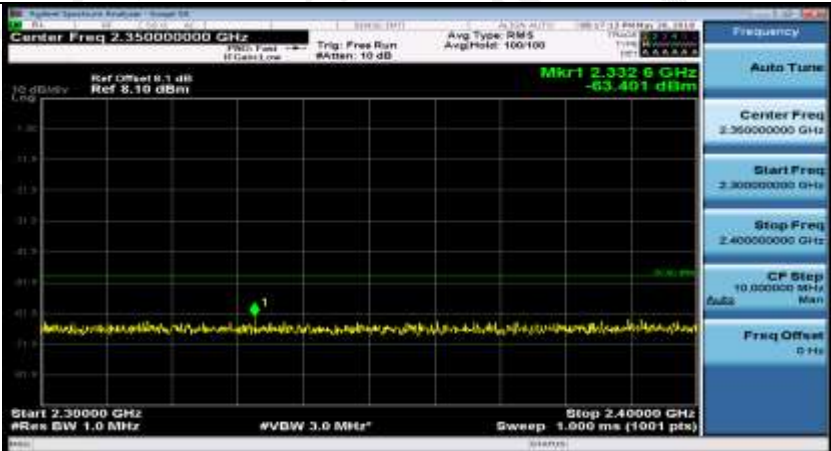
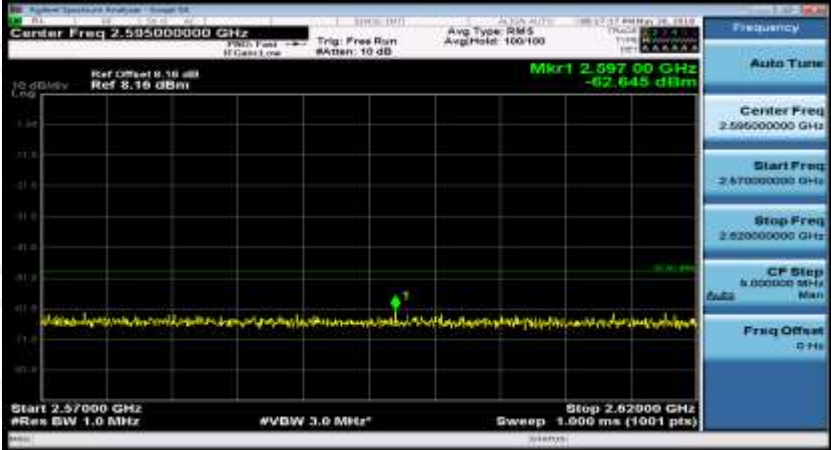
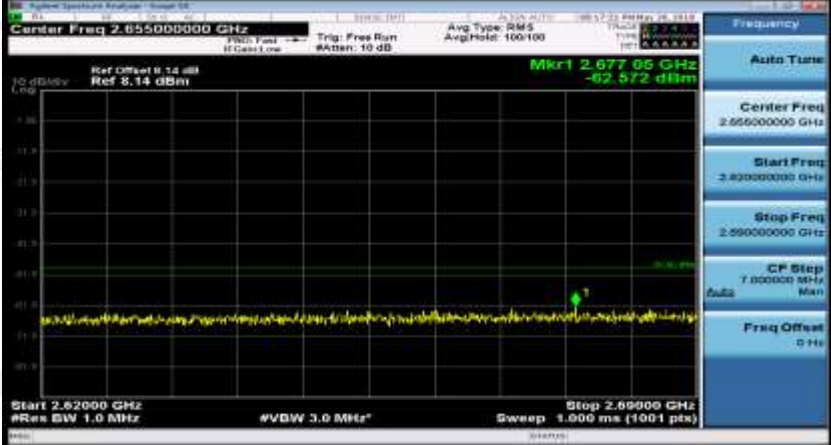
Co-existence	
Co-existence	
Co-existence	

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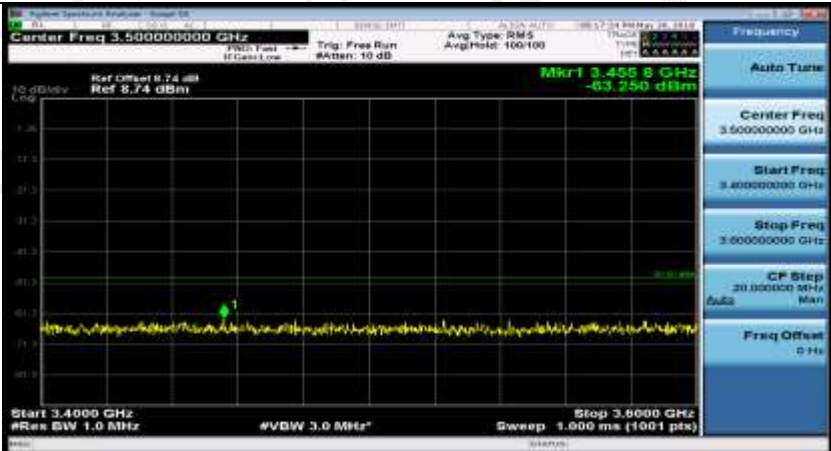
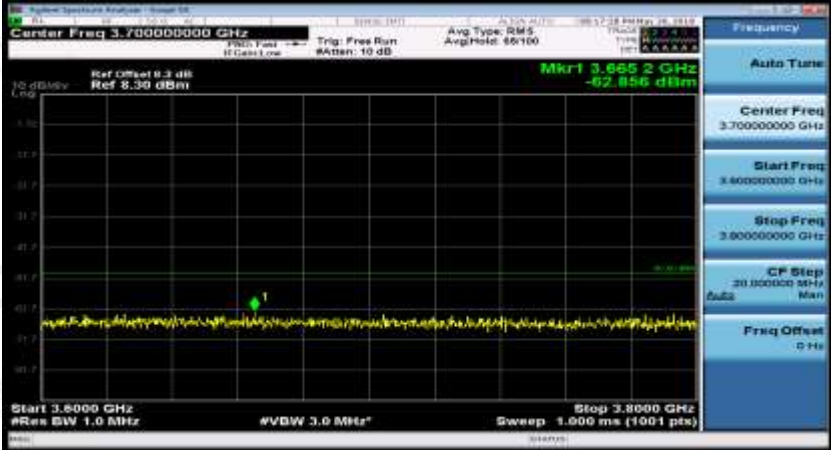
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

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

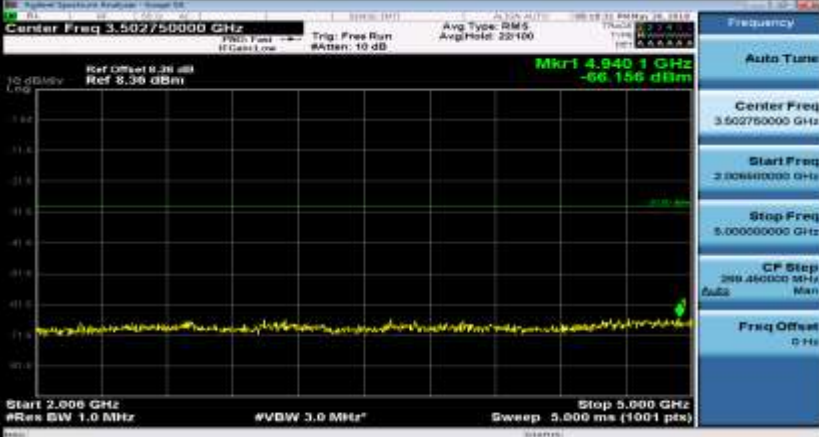


General	
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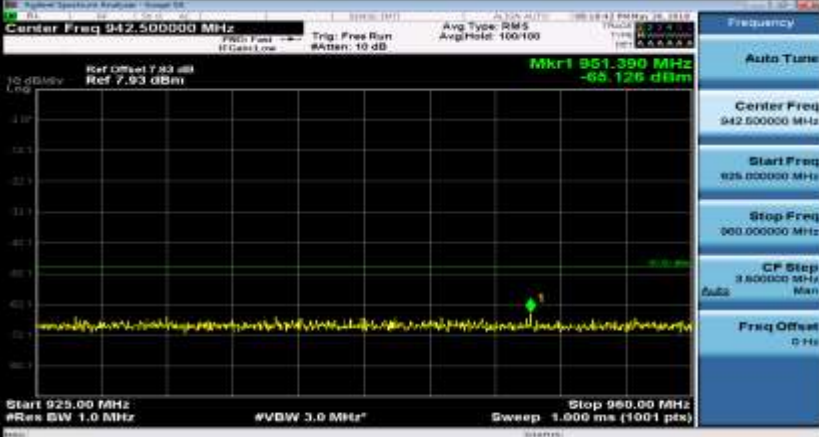
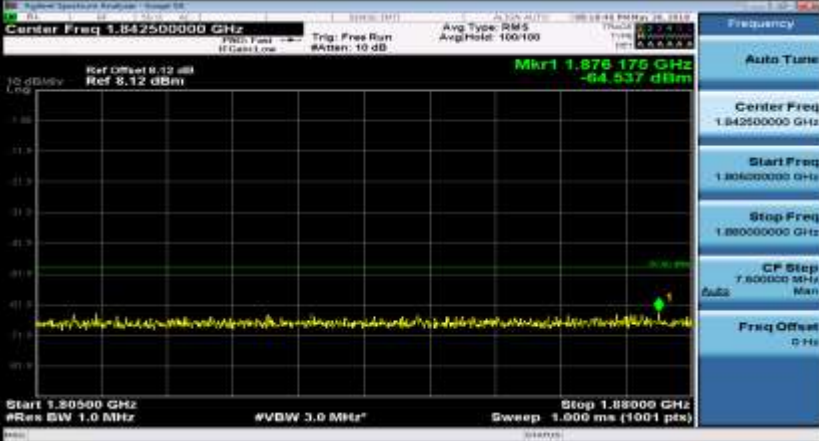
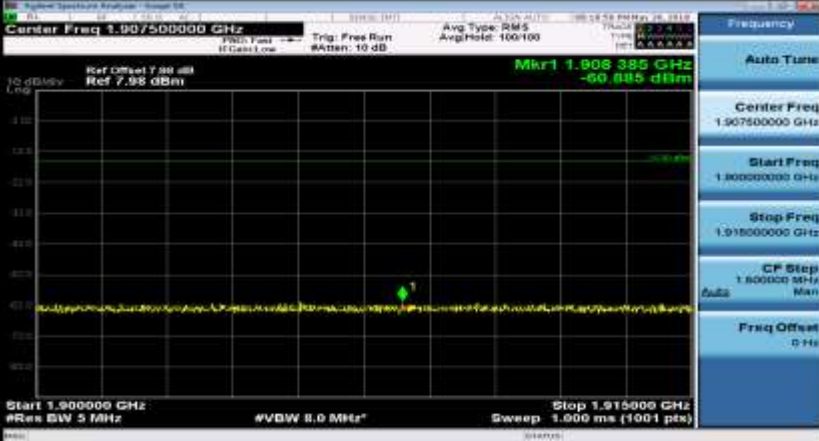
General	
General	
General	

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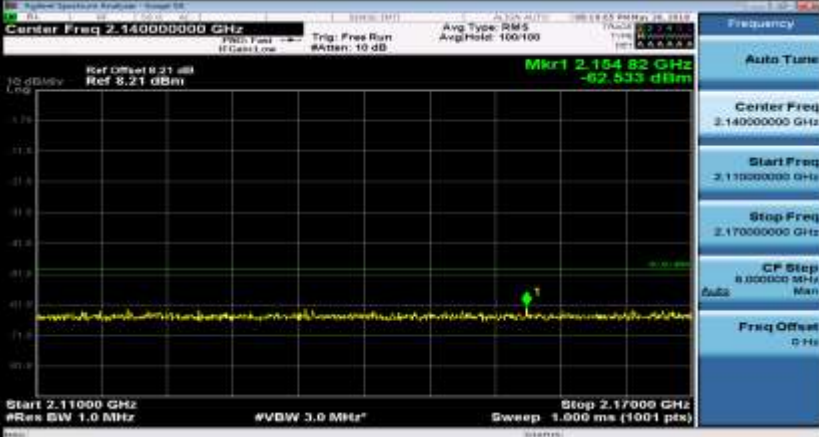

General			
General			
Co-existence			

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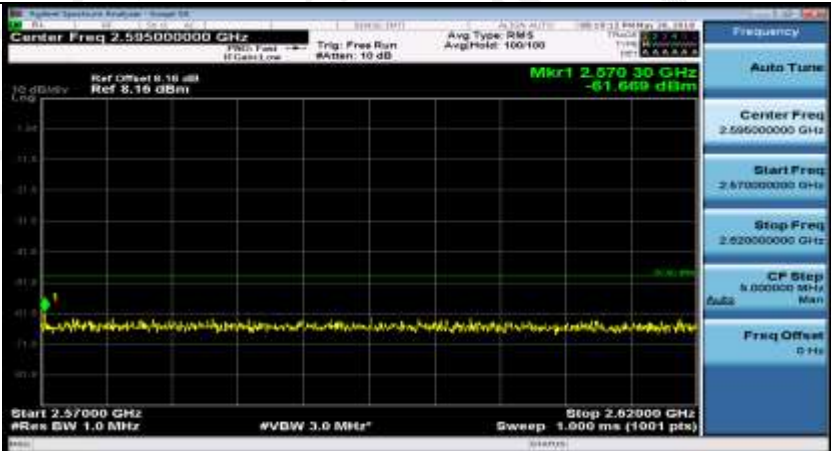
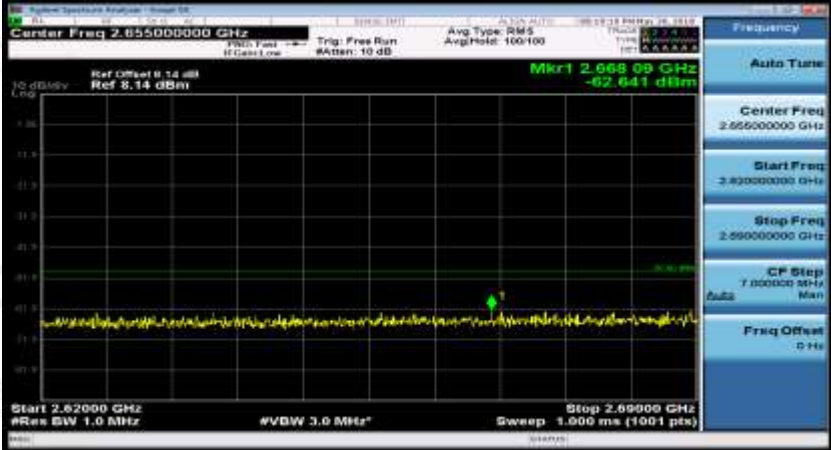
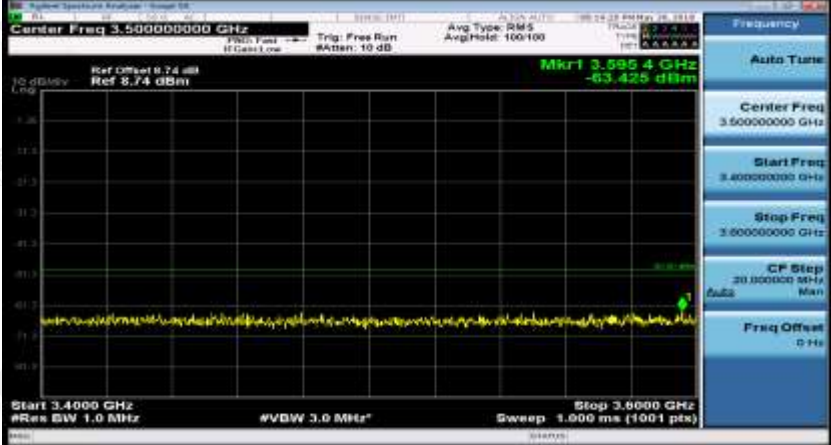
Co-existence			
Co-existence			
Co-existence			

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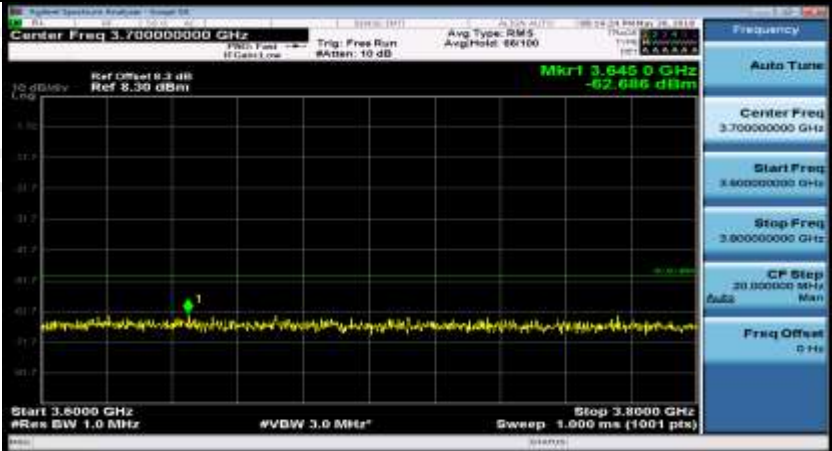
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

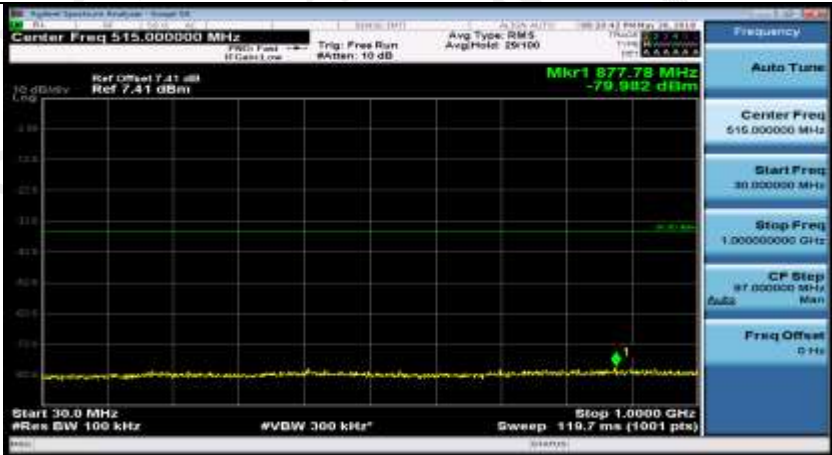

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Co-existence	
Additional	NA


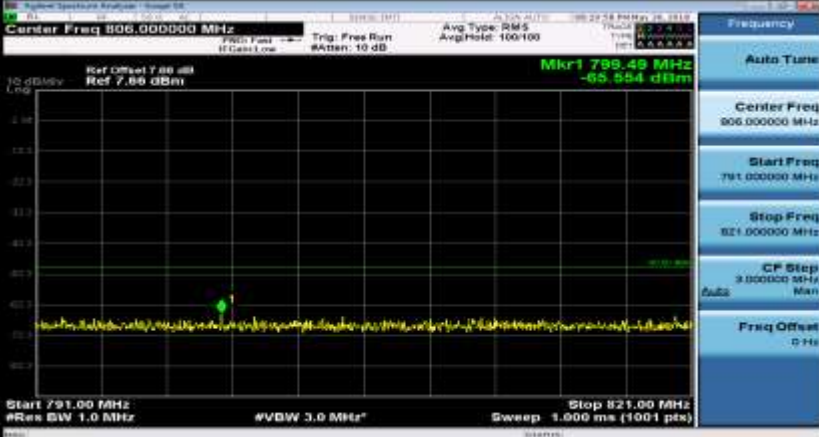
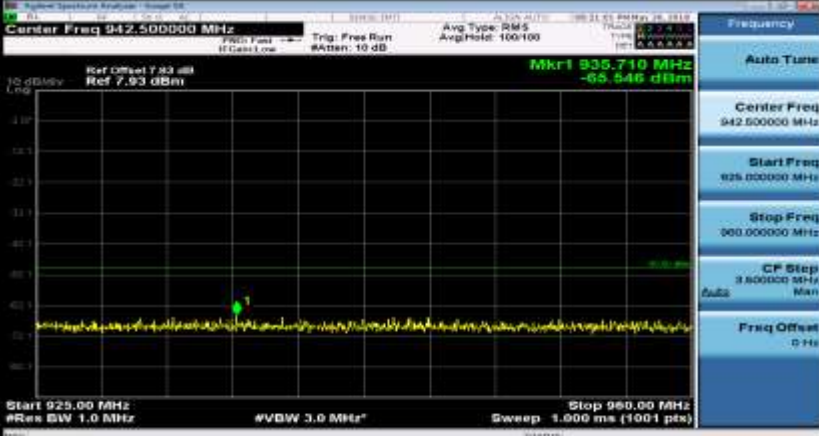
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	
General	

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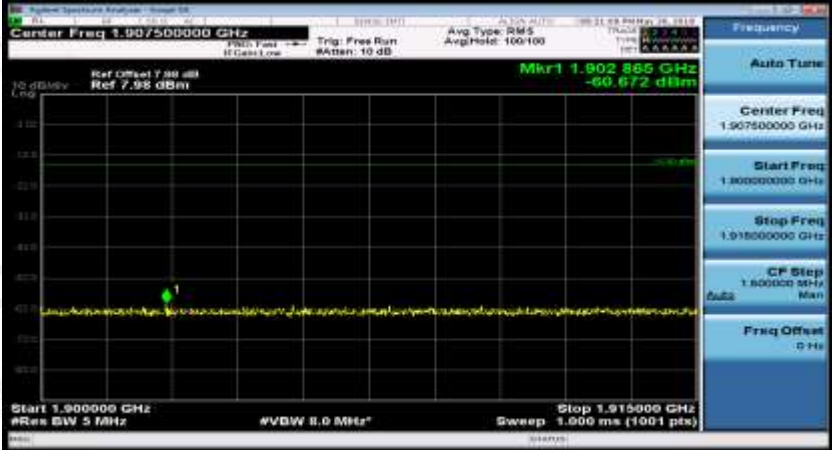
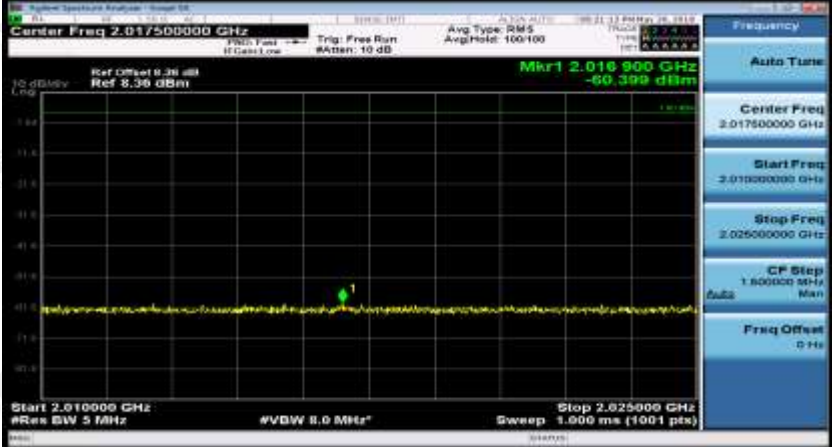
General			
General			
General			

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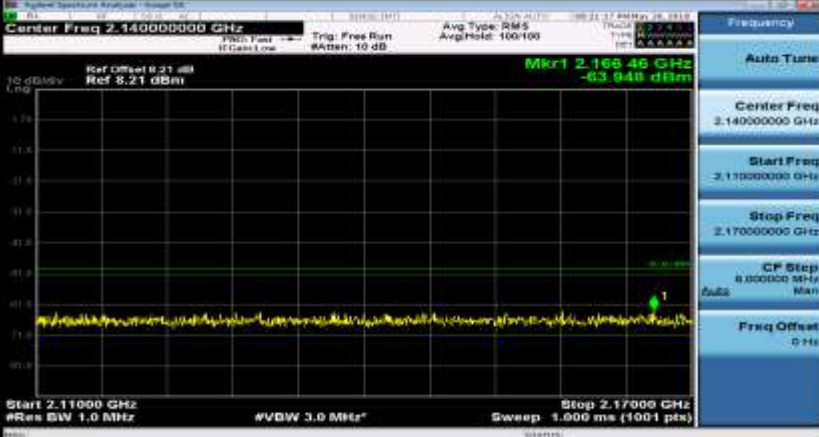
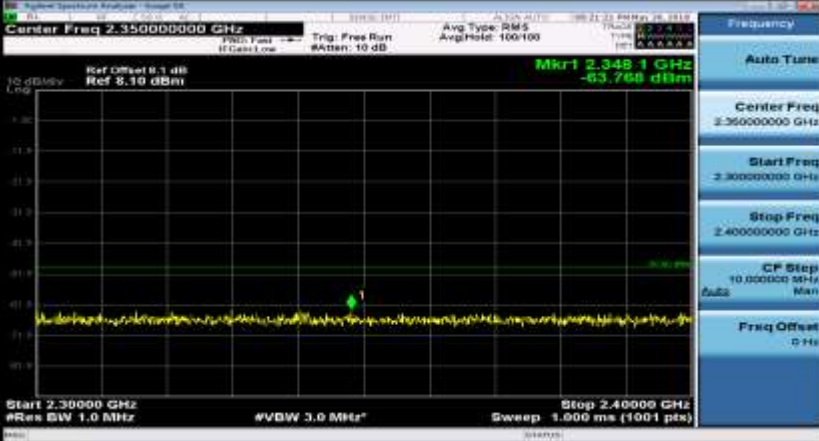
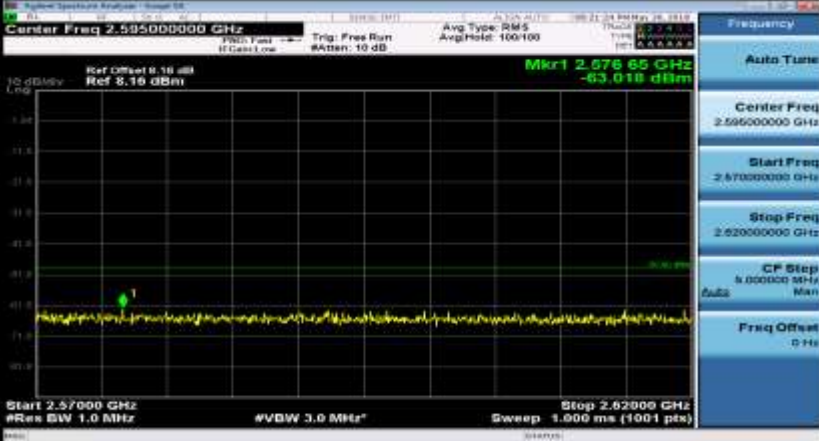
General			
Co-existence			
Co-existence			

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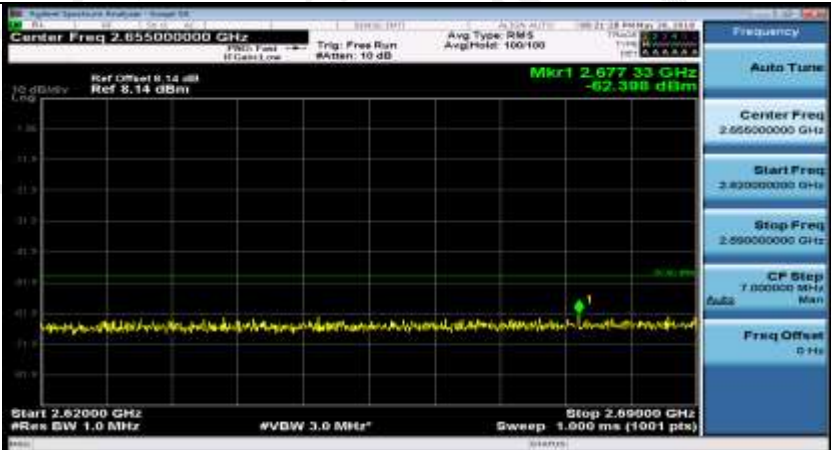
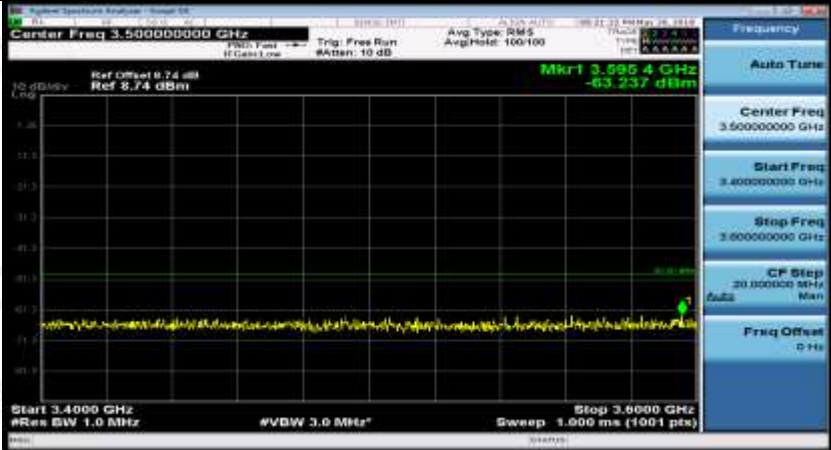
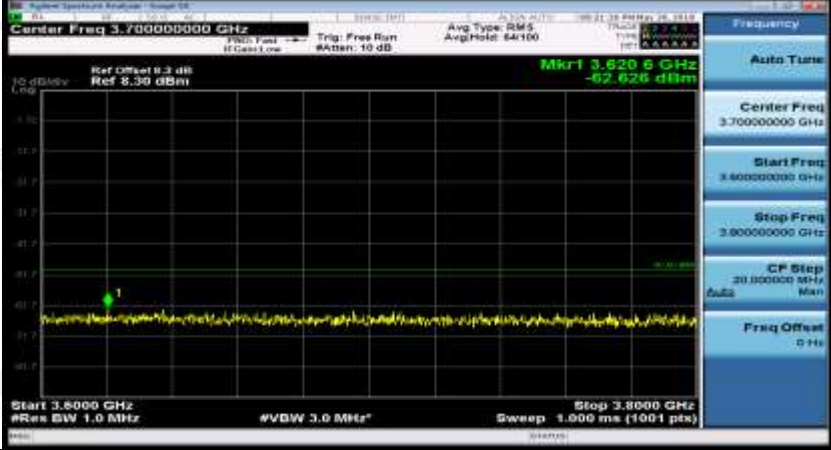
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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## 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_ORB#0	
LCH	
LCH	

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## 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				

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## 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	

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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>				

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## 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				

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## 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					

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## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

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					

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## 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	-77.32	-77.78	-77.96
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-72.31	-72.75	-72.94
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-66.33	-66.67	-66.89

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## Appendix B for Band 3

### 1. Transmitter Maximum Output Power

#### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTLV

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		
LTLV	QPSK	1.4 MHz	Low range	1	0	22.44	Pass
					max	22.50	Pass
				Partial	0	22.69	Pass
					max	22.75	Pass
			Mid range	1	0	22.09	Pass
					max	22.14	Pass
				Partial	0	22.25	Pass
					max	22.21	Pass
			High range	1	0	22.36	Pass
					max	22.44	Pass
				Partial	0	22.57	Pass
					max	22.55	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
LTLV	QPSK	5MHz	Low range	1	0	22.58	Pass
					max	22.53	Pass
				Partial	0	22.63	Pass
					max	22.69	Pass
			Mid range	1	0	22.21	Pass
					max	22.16	Pass
				Partial	0	22.23	Pass
					max	22.26	Pass
			High range	1	0	22.36	Pass
					max	22.53	Pass
				Partial	0	22.42	Pass
					max	22.59	Pass

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**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		
LTLV	QPSK	20 MHz	Low range	1	0	22.82	Pass
					max	22.70	Pass
				Partial	0	22.67	Pass
					max	22.55	Pass
			Mid range	1	0	22.57	Pass
					max	22.37	Pass
				Partial	0	22.41	Pass
					max	22.22	Pass
			High range	1	0	22.33	Pass
					max	22.67	Pass
				Partial	0	22.27	Pass
					max	22.54	Pass

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## 2. Transmitter Minimum Output Power

### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

**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		
HTHV	QPSK	1.4 MHz	Low range	Full	0	-49.95	Pass
			Mid range	Full	0	-52.46	Pass
			High range	Full	0	-51.42	Pass

**Channel Bandwidth= (5 MHz)**

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
HTHV	QPSK	5MHz	Low range	Full	0	-52.49	Pass
			Mid range	Full	0	-52.70	Pass
			High range	Full	0	-52.28	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		
HTHV	QPSK	20MHz	Low range	Full	0	-51.69	Pass
			Mid range	Full	0	-52.15	Pass
			High range	Full	0	-52.03	Pass

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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTN

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

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			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

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					max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Mid range	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)

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_FullRB#0	

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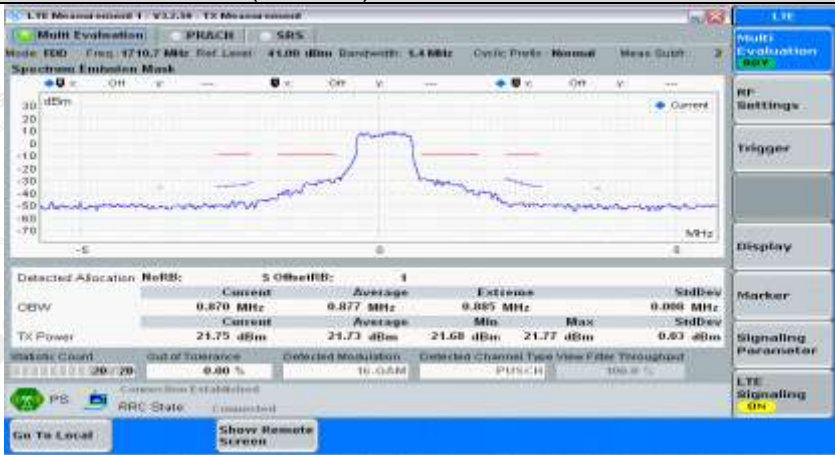
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	

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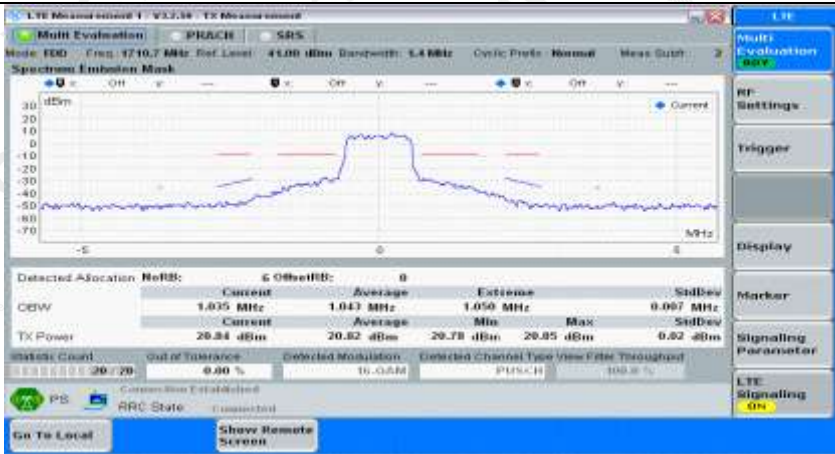
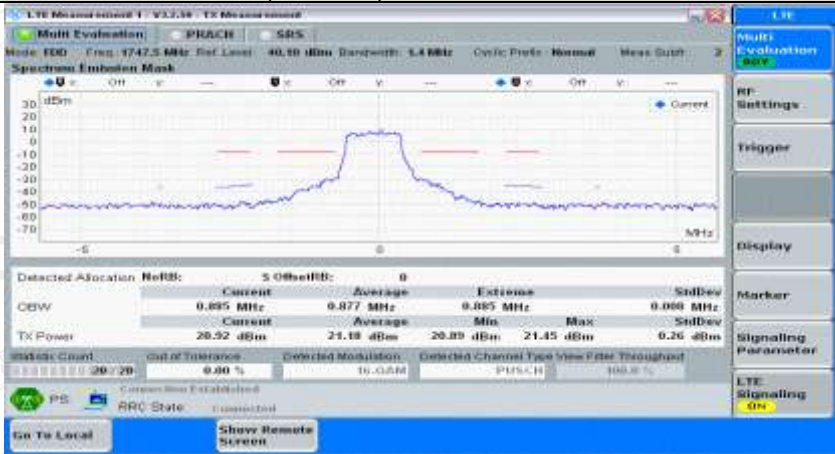
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0</p>

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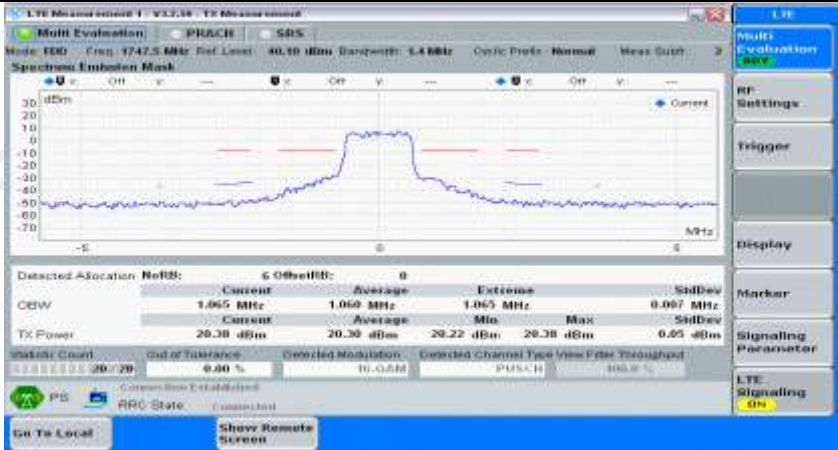
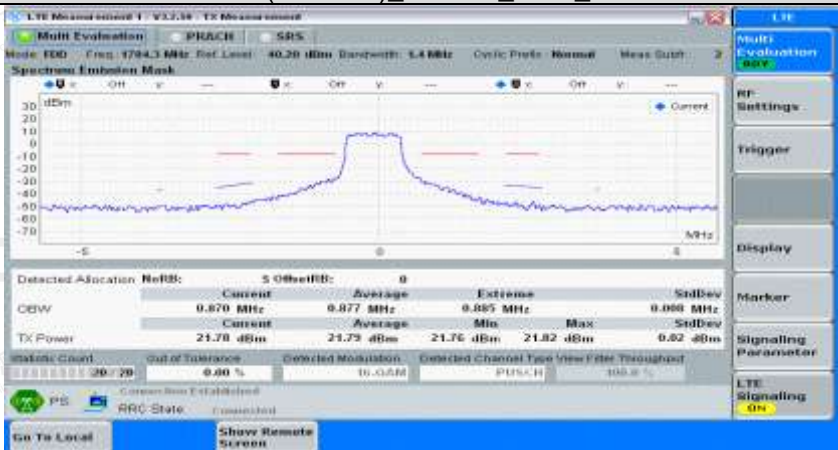
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0	

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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	

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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>

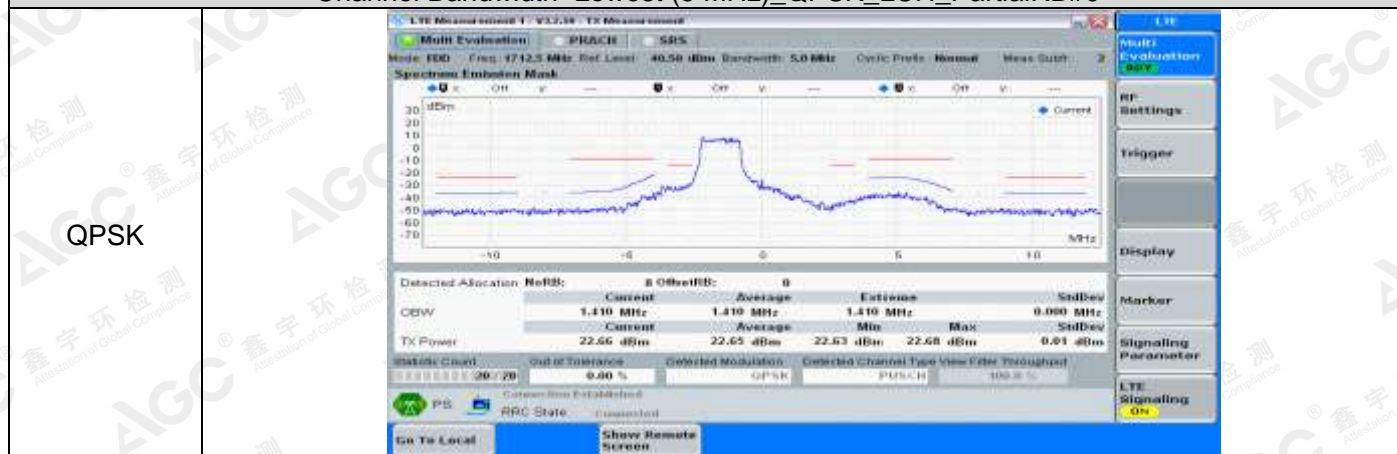
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



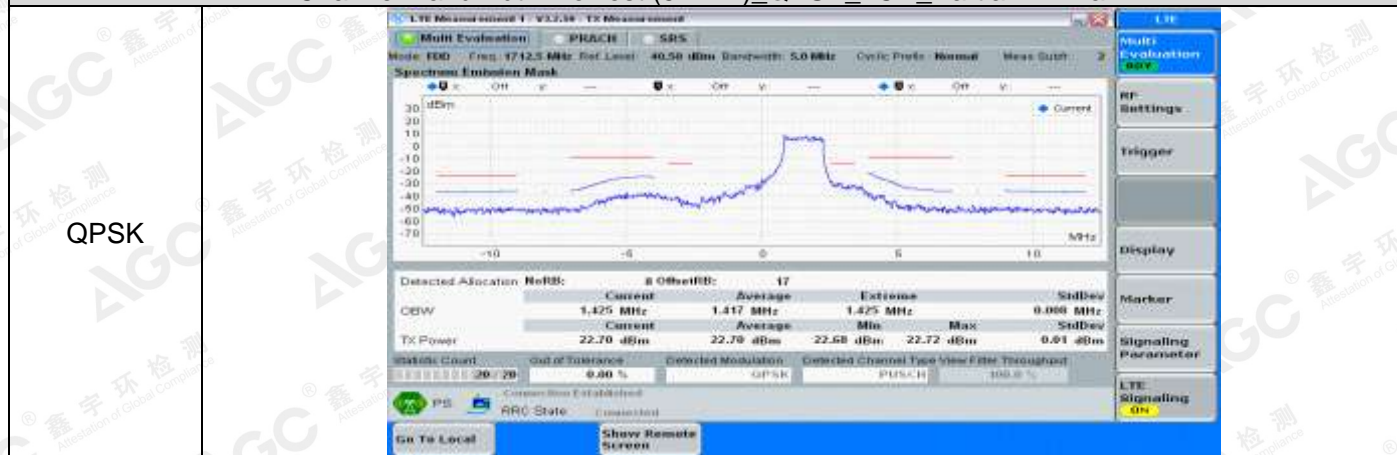


Channel Bandwidth= (5 MHz)

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

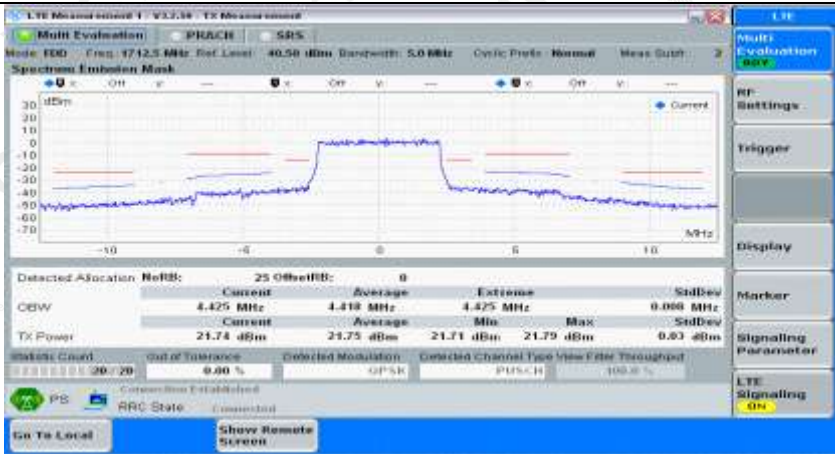
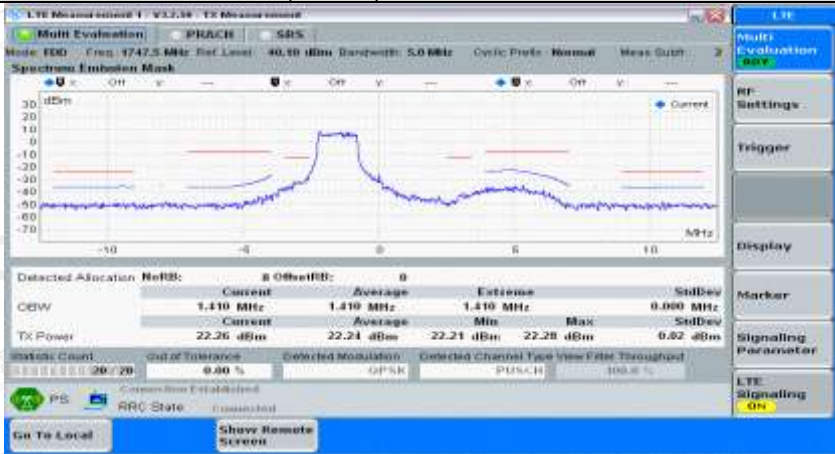
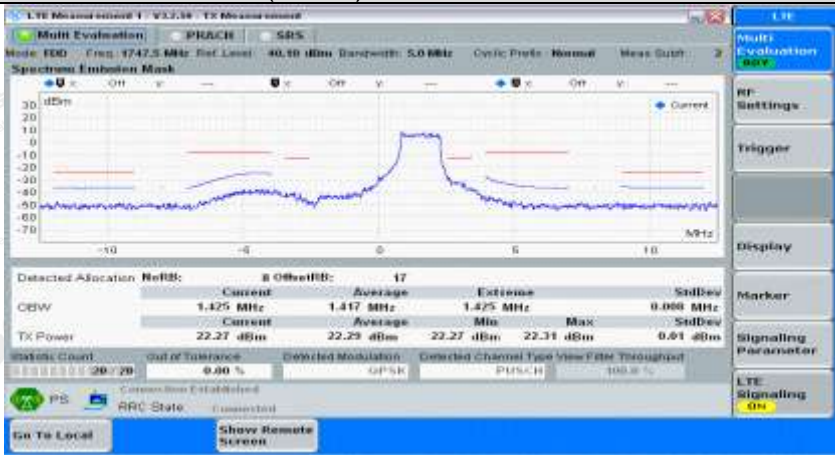


Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max



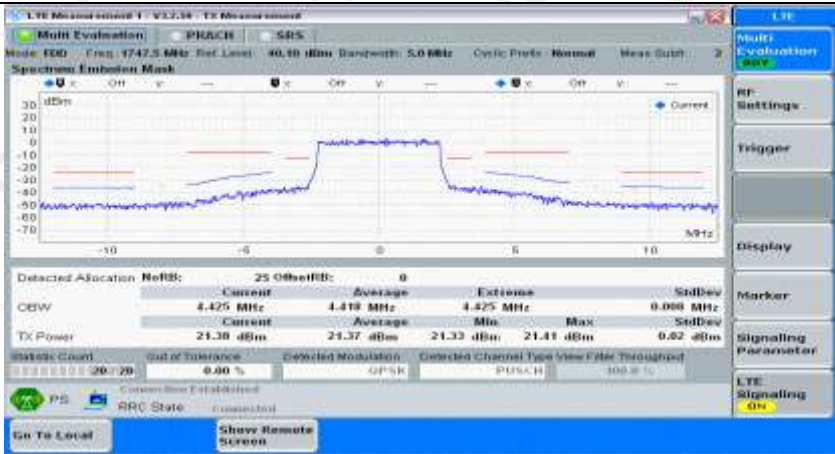

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_FullRB#0

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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	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	

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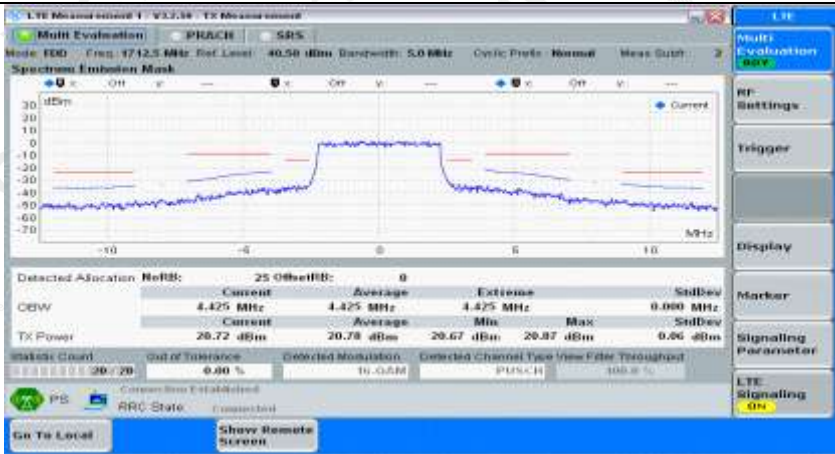

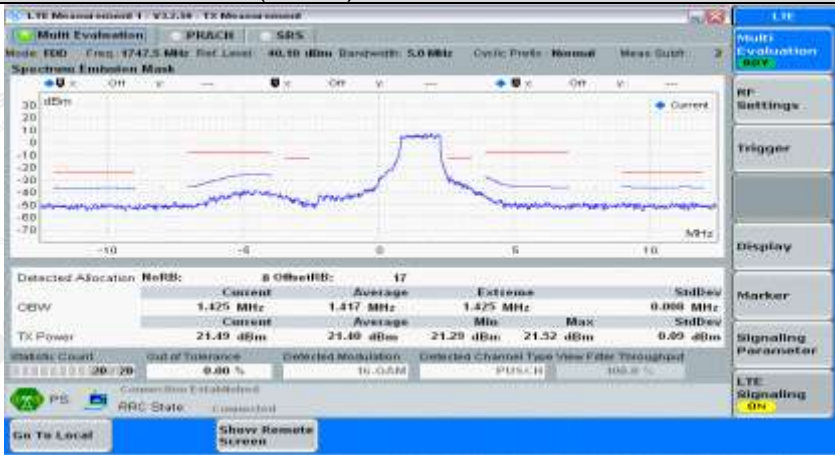
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	

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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	

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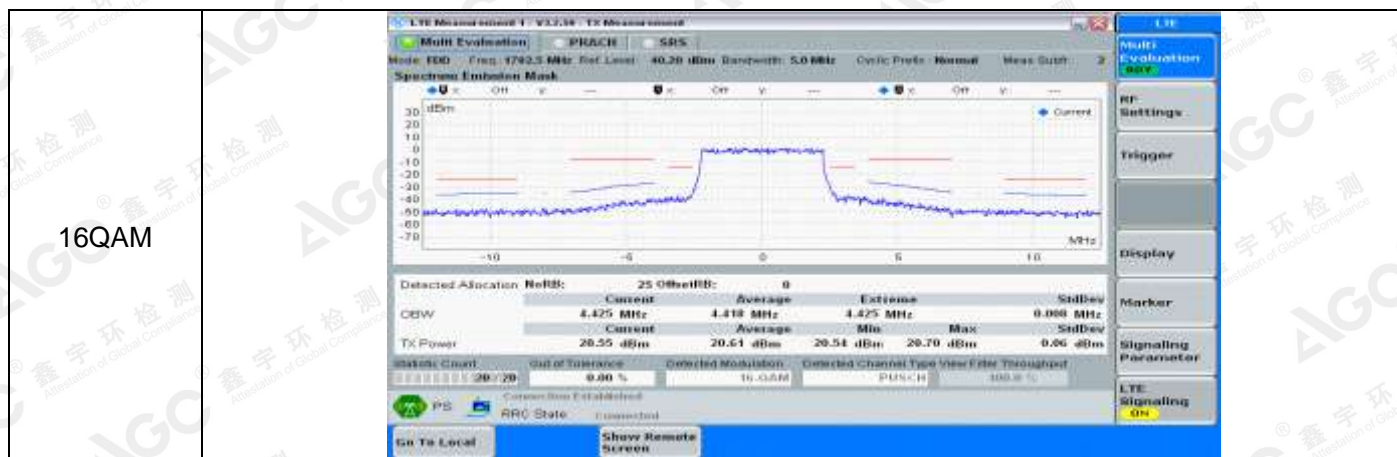
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	

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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	

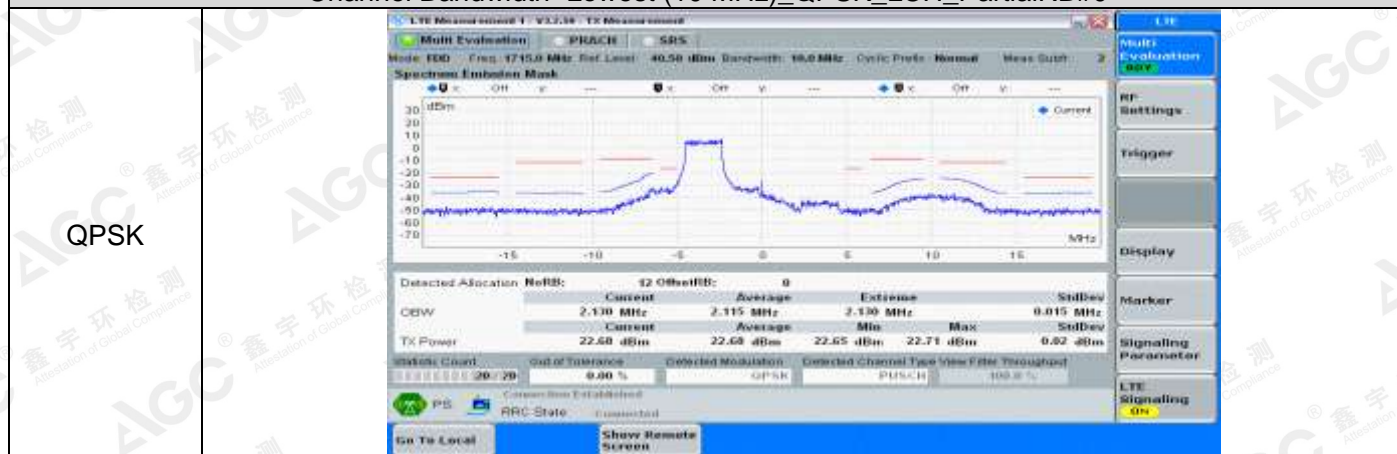
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



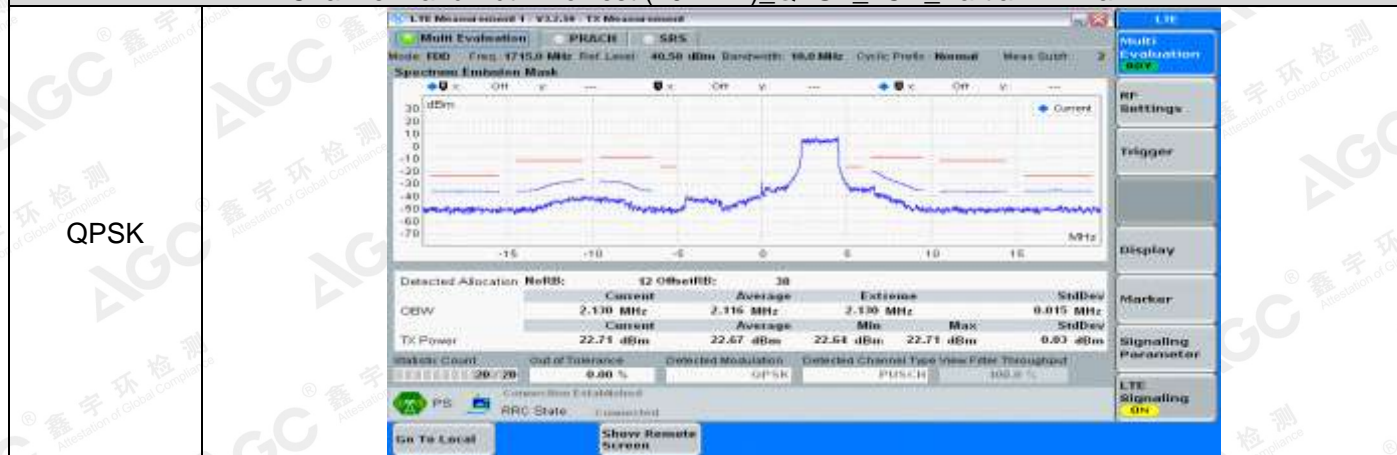


Channel Bandwidth= (10 MHz)

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

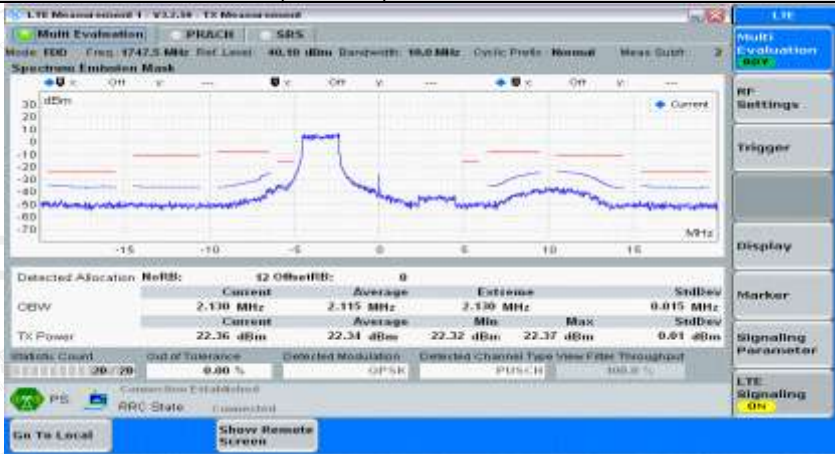
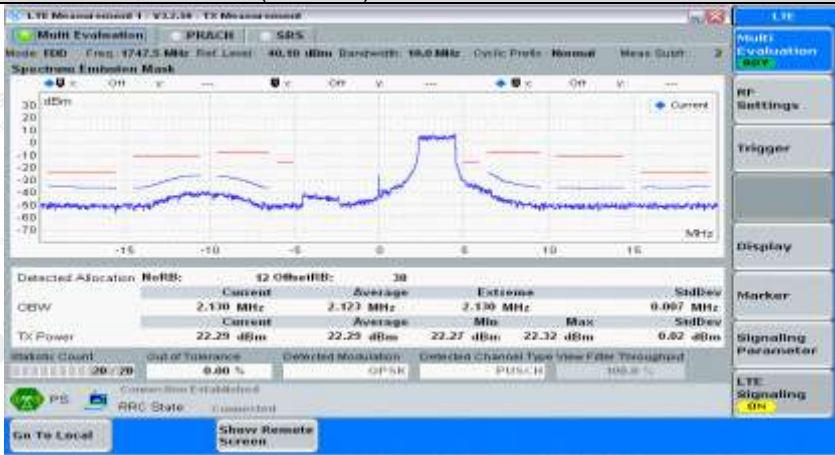


Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max



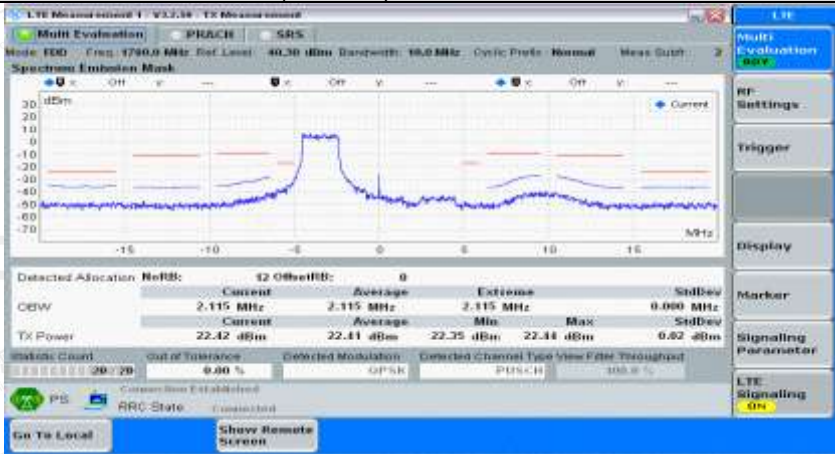
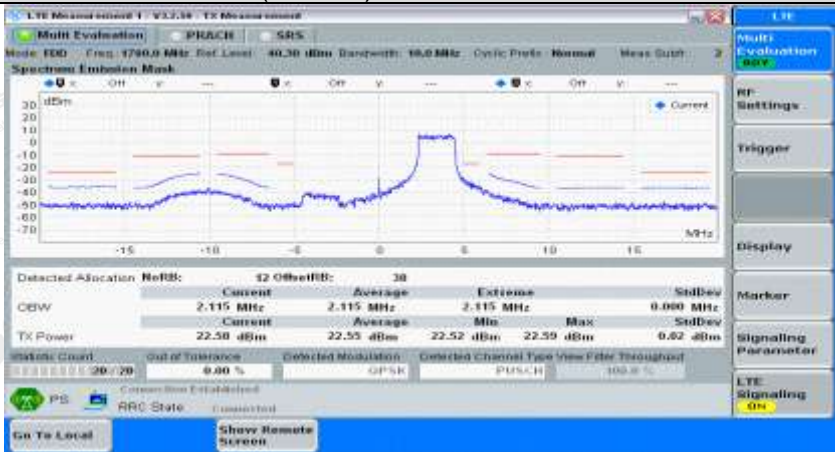
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_FullIRB#0

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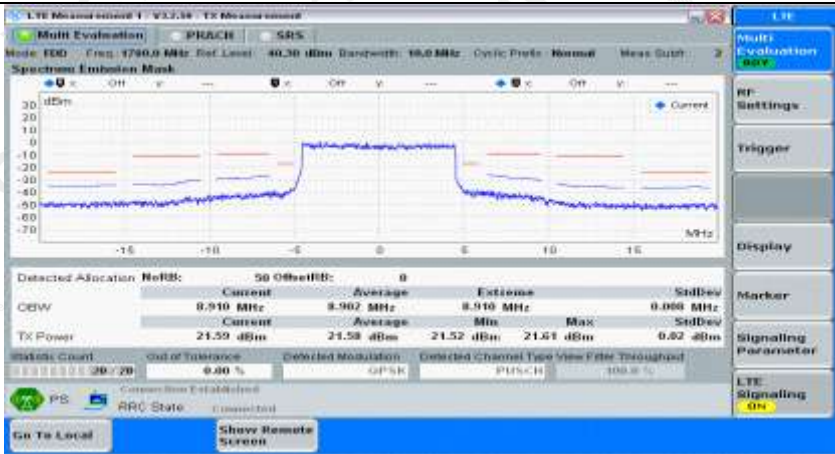

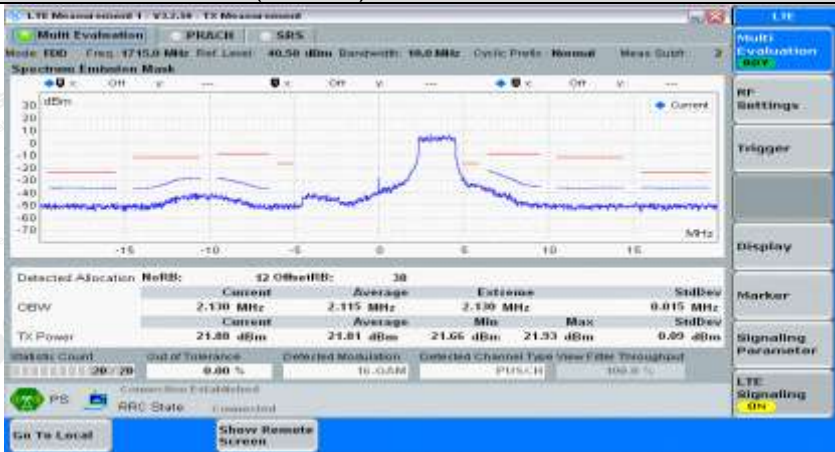
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	

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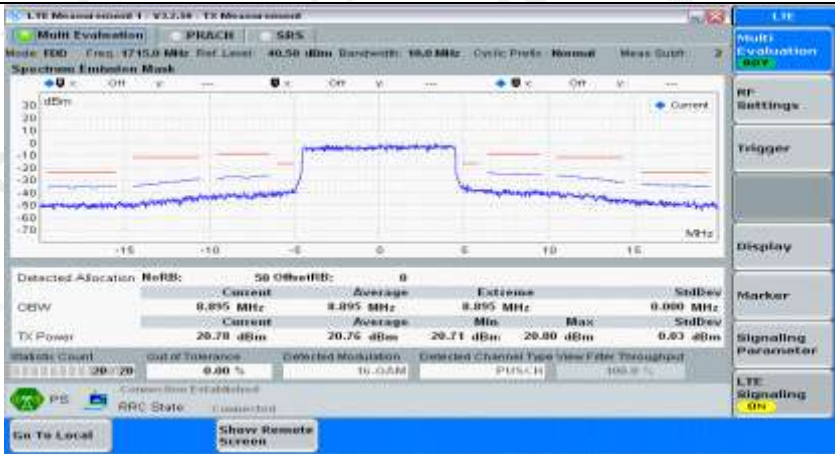


QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	

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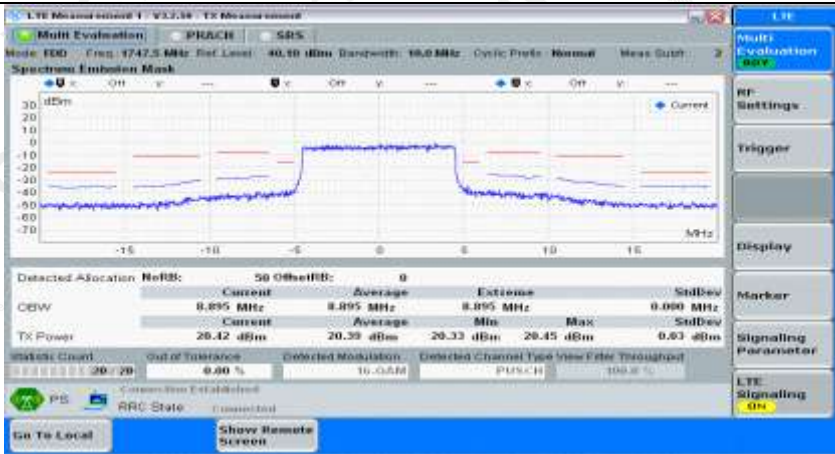
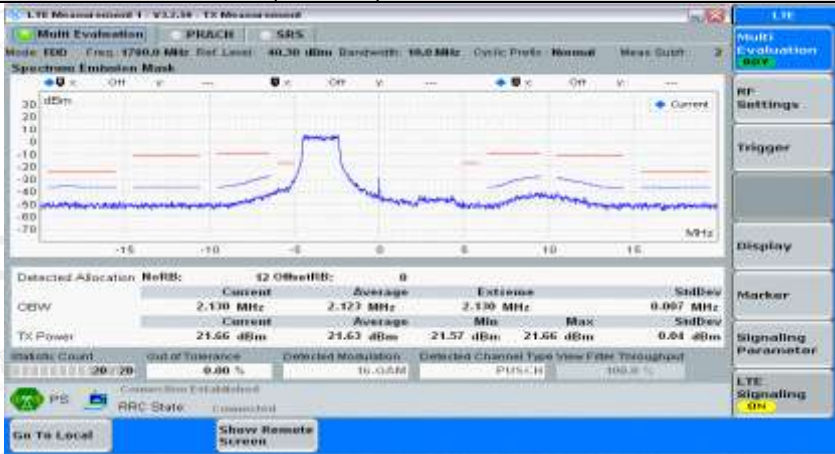
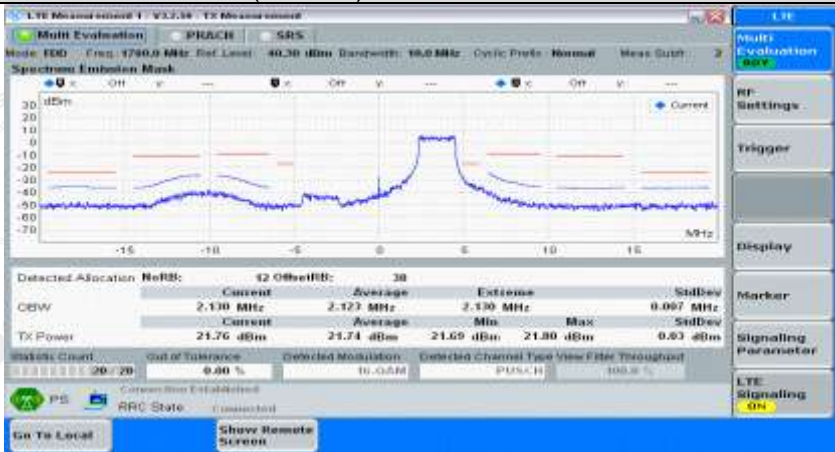
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	

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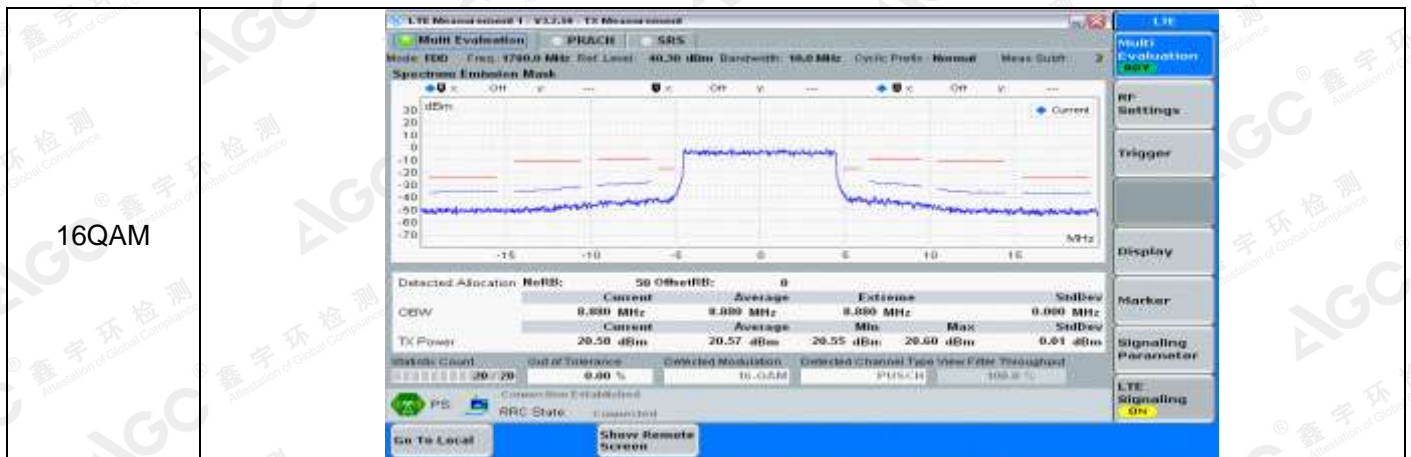
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>

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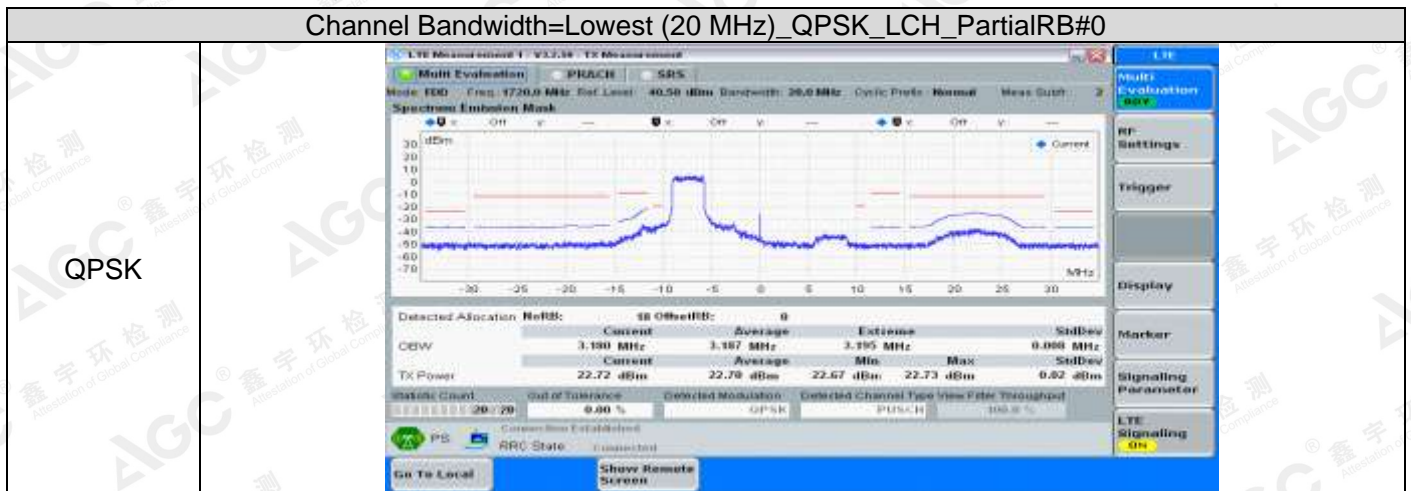
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	

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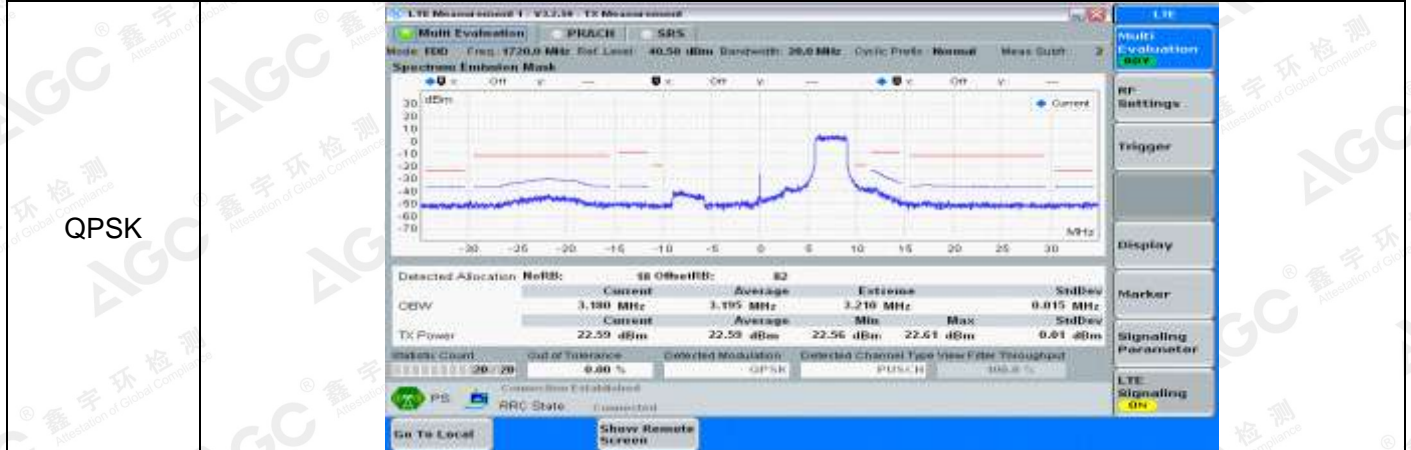




Channel Bandwidth=Highest (20 MHz)



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



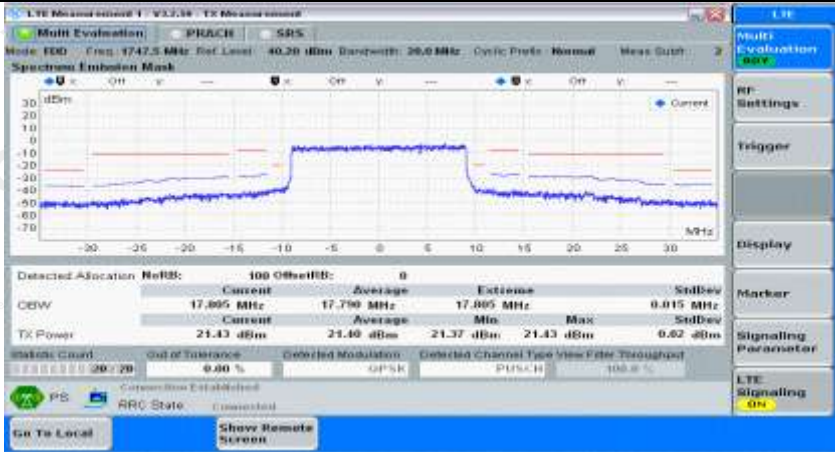
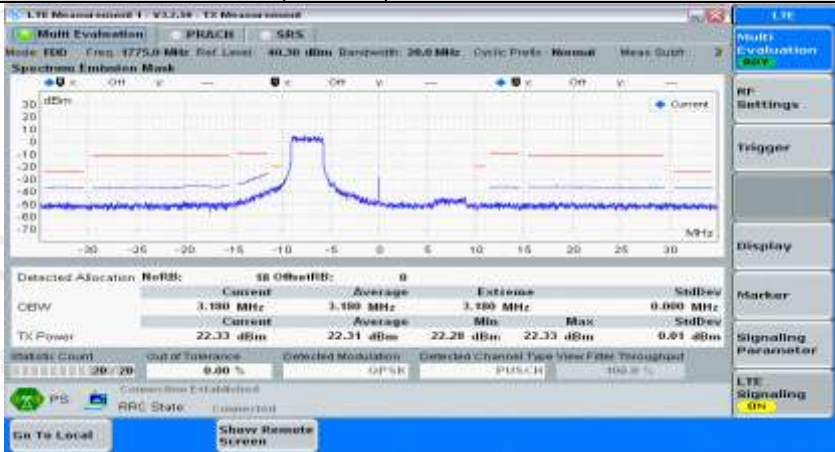
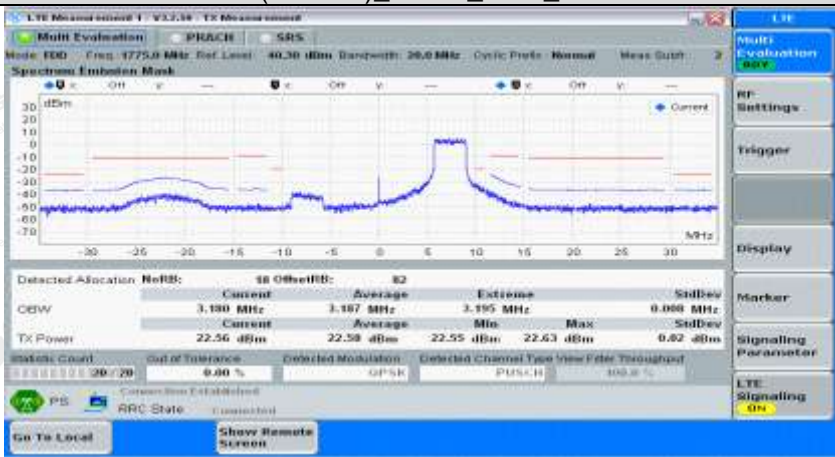
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_FullRB#0

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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	

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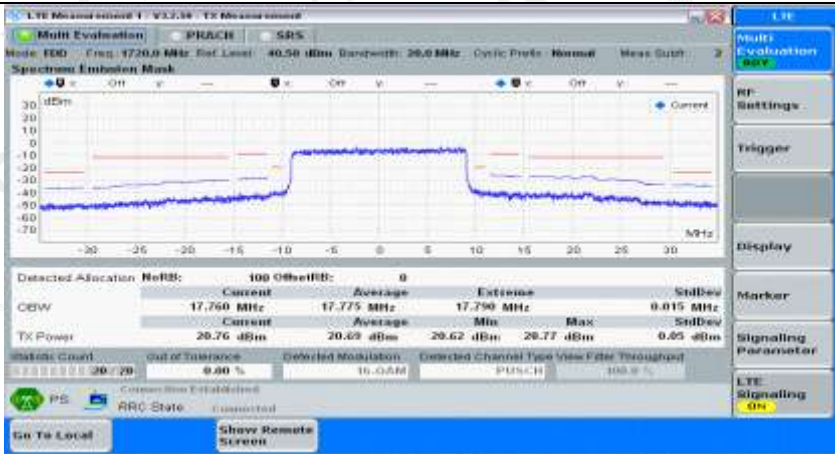

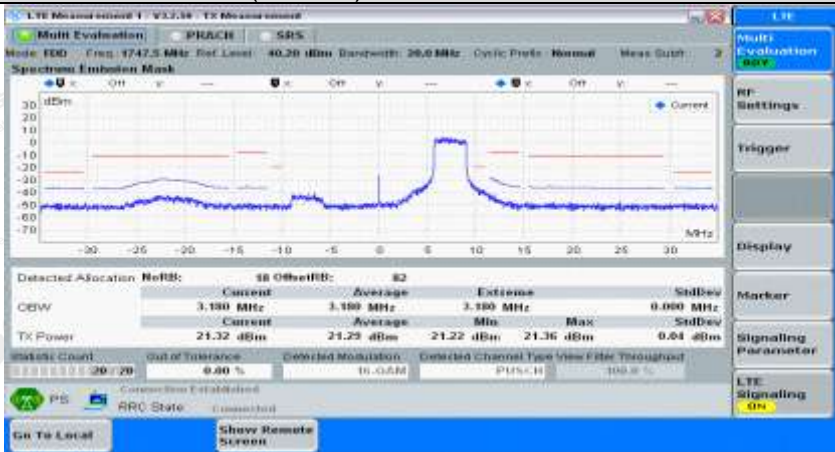
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	

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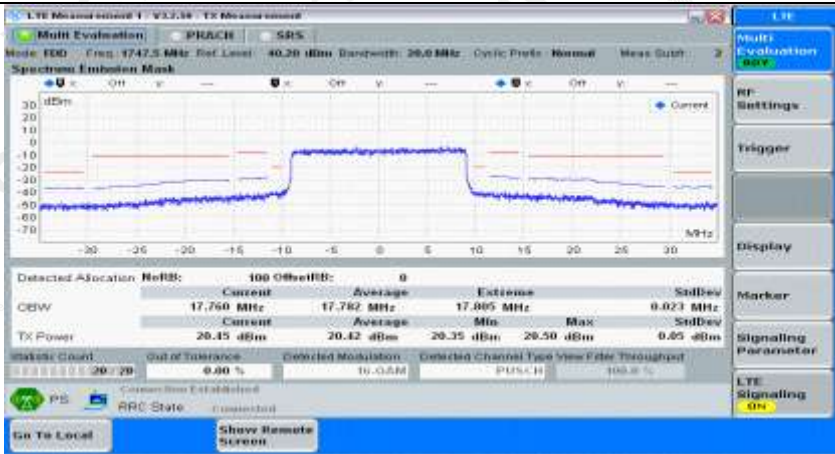
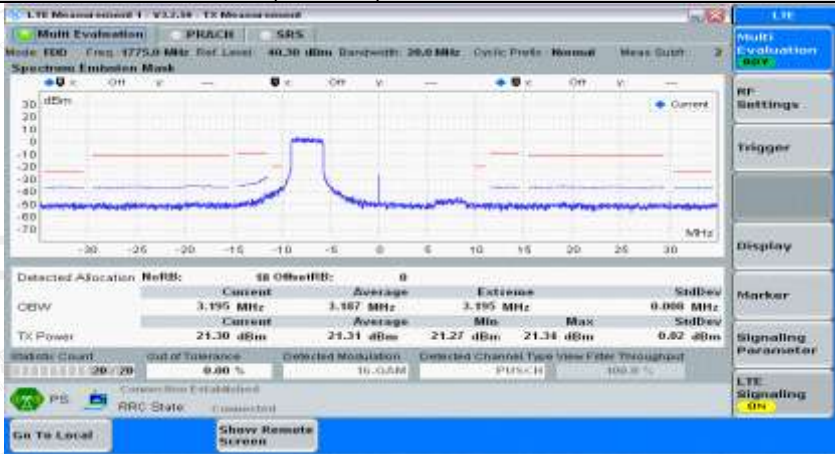
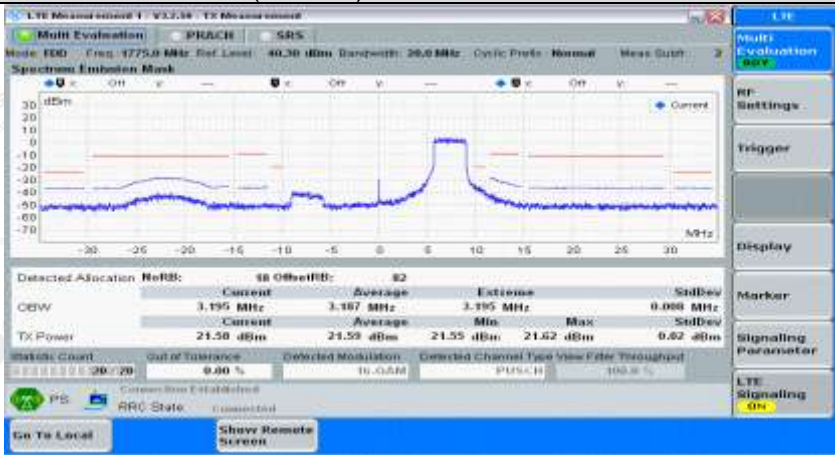
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	

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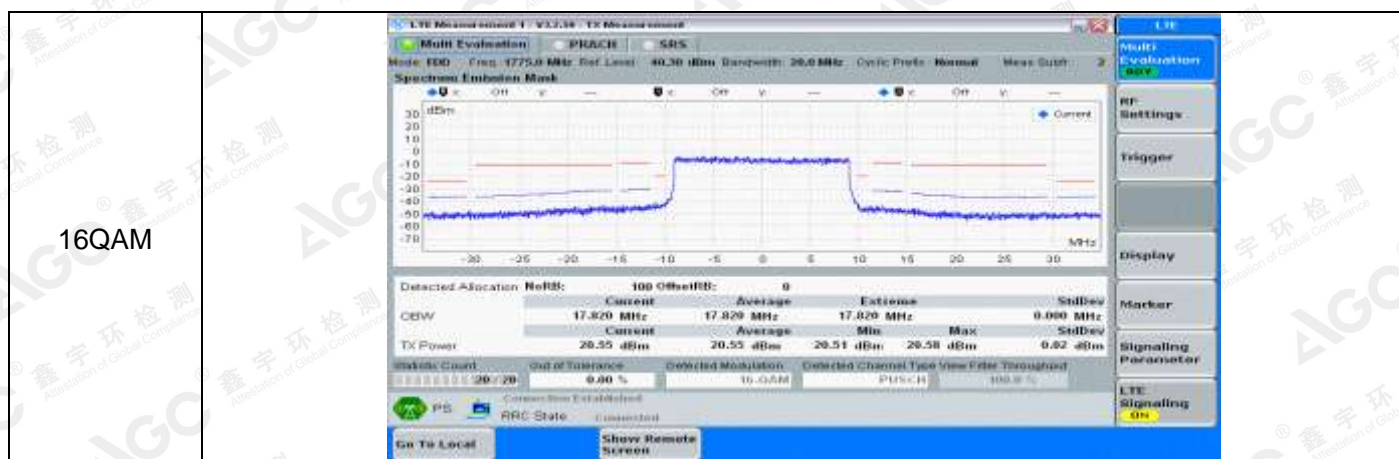
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0	

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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	

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

##### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTLV

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		
LTLV	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		
LTLV	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

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			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

**Channel Bandwidth= (10 MHz)**

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
LTLV	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		
LTLV	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

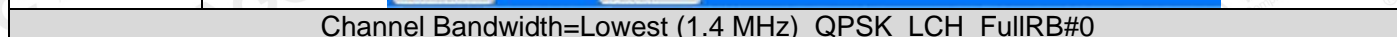
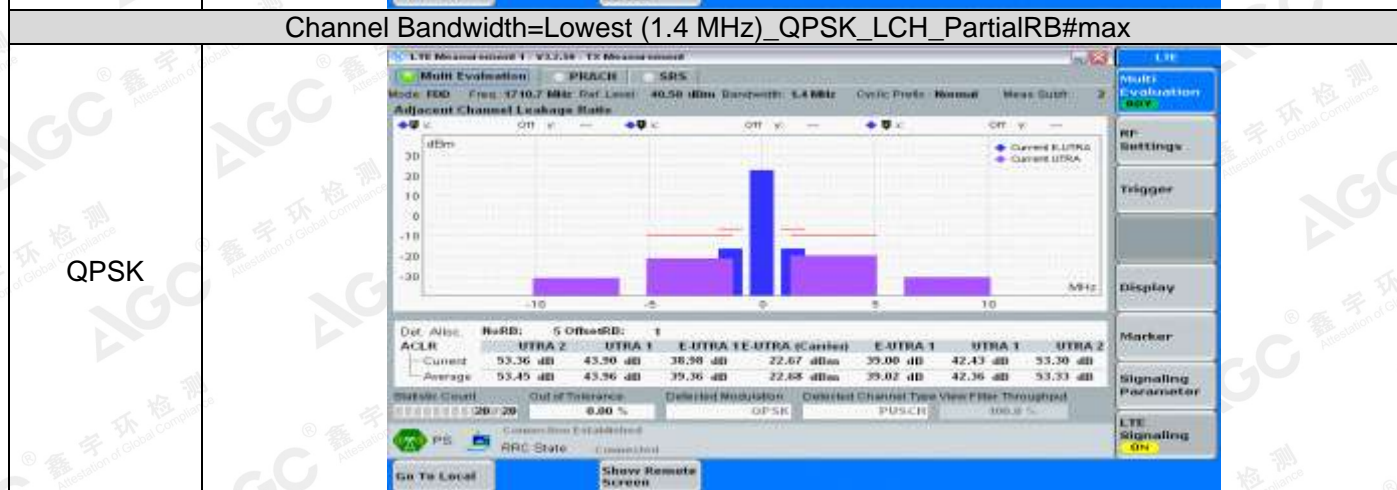
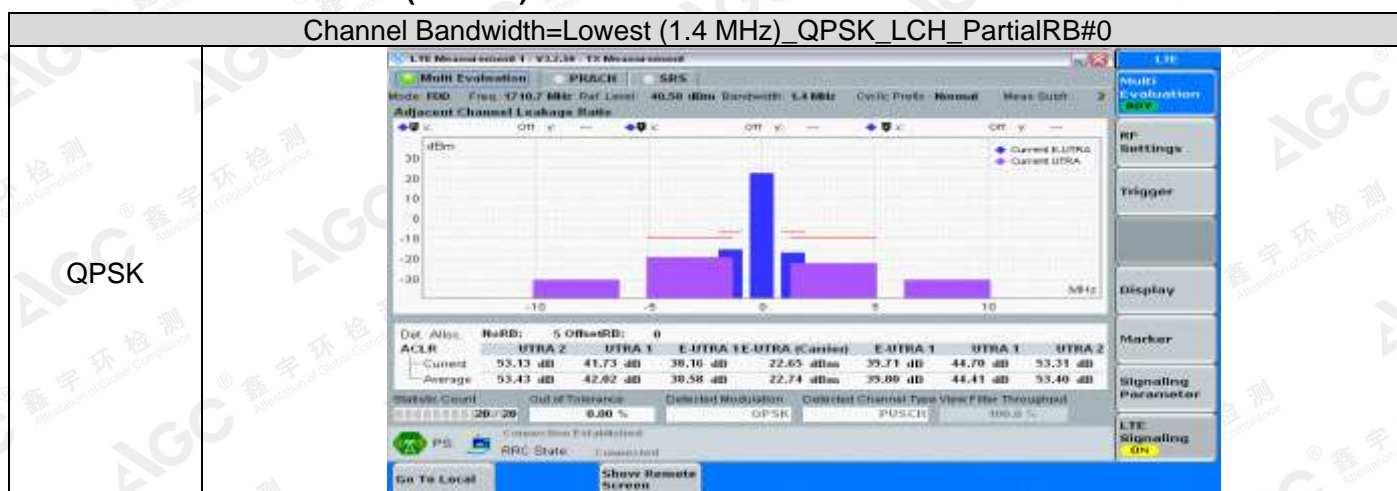
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	16QAM	Low range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass
		Mid range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass
		High range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass

## Test Graphs




LTLV

Channel Bandwidth=Lowest (1.4 MHz)






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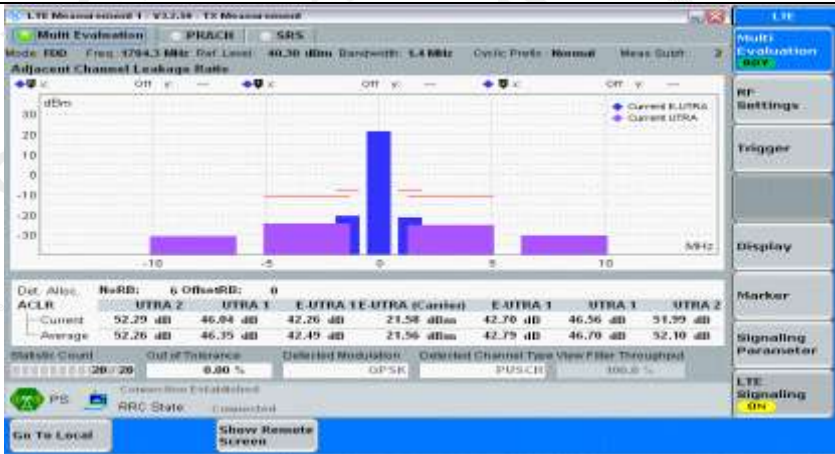
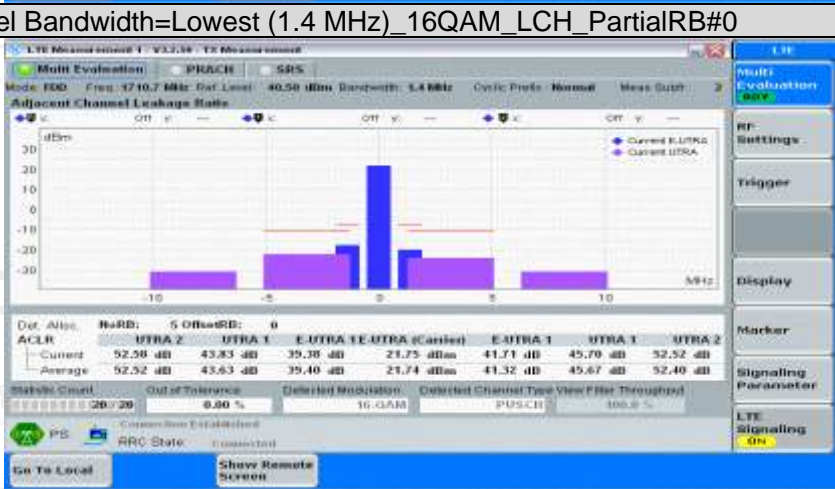
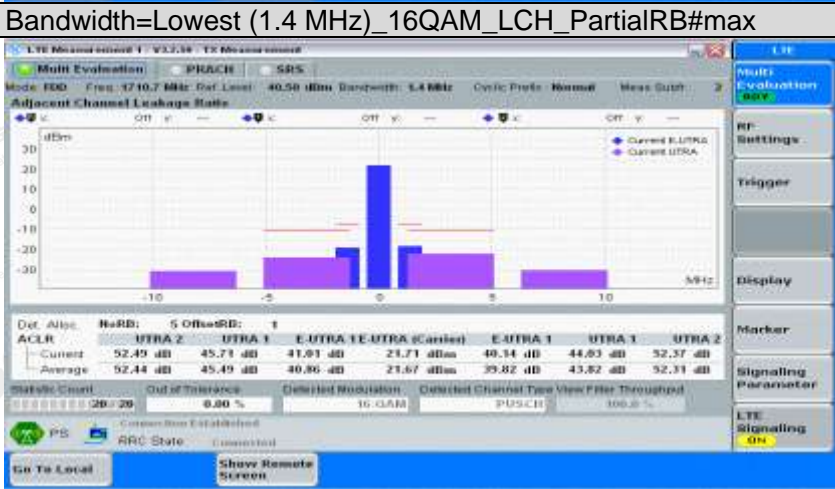
QPSK	 <table><tr><th>Det. Alias</th><th>NR-B</th><th>5 Observed</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>52.38 dB</td><td>42.72 dB</td><td>39.90 dB</td><td>21.73 dB</td><td>49.57 dB</td><td>43.58 dB</td><td>52.24 dB</td><td></td><td></td></tr><tr><td>Average</td><td>52.46 dB</td><td>41.72 dB</td><td>39.32 dB</td><td>21.76 dB</td><td>49.66 dB</td><td>42.32 dB</td><td>52.33 dB</td><td></td><td></td></tr></table>	Det. Alias	NR-B	5 Observed	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	52.38 dB	42.72 dB	39.90 dB	21.73 dB	49.57 dB	43.58 dB	52.24 dB			Average	52.46 dB	41.72 dB	39.32 dB	21.76 dB	49.66 dB	42.32 dB	52.33 dB		
Det. Alias	NR-B	5 Observed	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	52.38 dB	42.72 dB	39.90 dB	21.73 dB	49.57 dB	43.58 dB	52.24 dB																								
Average	52.46 dB	41.72 dB	39.32 dB	21.76 dB	49.66 dB	42.32 dB	52.33 dB																								
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0																															
QPSK	 <table><tr><th>Det. Alias</th><th>NR-B</th><th>5 Observed</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>52.86 dB</td><td>47.36 dB</td><td>42.16 dB</td><td>22.22 dB</td><td>44.53 dB</td><td>48.73 dB</td><td>52.61 dB</td><td></td><td></td></tr><tr><td>Average</td><td>53.83 dB</td><td>46.34 dB</td><td>41.61 dB</td><td>22.26 dB</td><td>44.02 dB</td><td>48.14 dB</td><td>52.91 dB</td><td></td><td></td></tr></table>	Det. Alias	NR-B	5 Observed	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	52.86 dB	47.36 dB	42.16 dB	22.22 dB	44.53 dB	48.73 dB	52.61 dB			Average	53.83 dB	46.34 dB	41.61 dB	22.26 dB	44.02 dB	48.14 dB	52.91 dB		
Det. Alias	NR-B	5 Observed	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	52.86 dB	47.36 dB	42.16 dB	22.22 dB	44.53 dB	48.73 dB	52.61 dB																								
Average	53.83 dB	46.34 dB	41.61 dB	22.26 dB	44.02 dB	48.14 dB	52.91 dB																								
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max																															
QPSK	 <table><tr><th>Det. Alias</th><th>NR-B</th><th>5 Observed</th><th>1</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.11 dB</td><td>48.47 dB</td><td>44.47 dB</td><td>22.26 dB</td><td>42.27 dB</td><td>47.37 dB</td><td>52.90 dB</td><td></td><td></td></tr><tr><td>Average</td><td>52.97 dB</td><td>48.82 dB</td><td>43.83 dB</td><td>22.26 dB</td><td>41.66 dB</td><td>46.89 dB</td><td>52.85 dB</td><td></td><td></td></tr></table>	Det. Alias	NR-B	5 Observed	1	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.11 dB	48.47 dB	44.47 dB	22.26 dB	42.27 dB	47.37 dB	52.90 dB			Average	52.97 dB	48.82 dB	43.83 dB	22.26 dB	41.66 dB	46.89 dB	52.85 dB		
Det. Alias	NR-B	5 Observed	1	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	53.11 dB	48.47 dB	44.47 dB	22.26 dB	42.27 dB	47.37 dB	52.90 dB																								
Average	52.97 dB	48.82 dB	43.83 dB	22.26 dB	41.66 dB	46.89 dB	52.85 dB																								
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0																															

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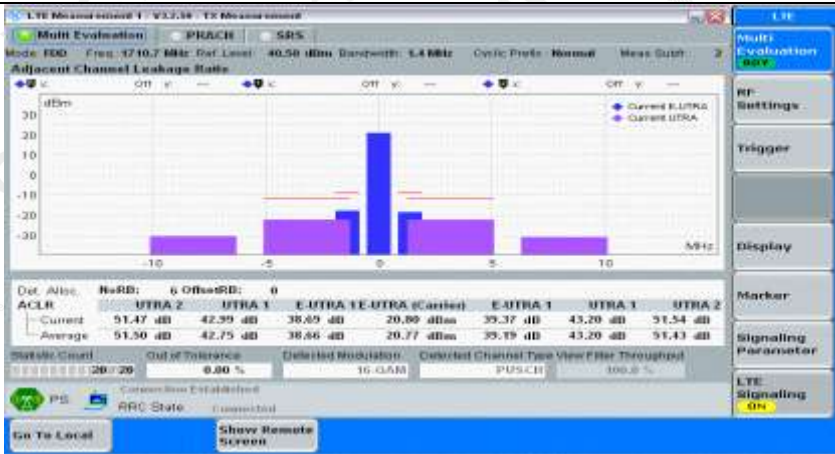
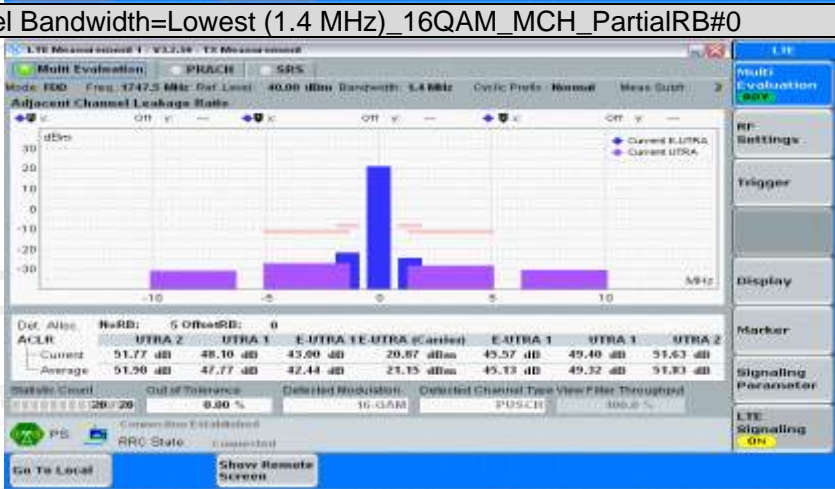
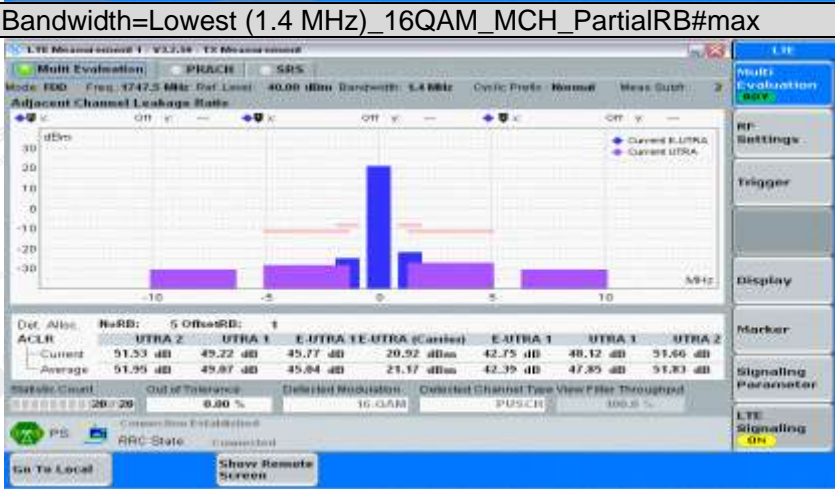
QPSK	 <table><tr><th>Det. Alts.</th><th>NRB</th><th>5 Offset</th><th>NRB</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>51.88 dB</td><td>46.42 dB</td><td>41.70 dB</td><td>23.25 dB</td><td>41.95 dB</td><td>47.95 dB</td><td>51.90 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>51.90 dB</td><td>46.95 dB</td><td>41.63 dB</td><td>21.24 dB</td><td>41.69 dB</td><td>46.44 dB</td><td>51.90 dB</td><td></td><td></td><td></td></tr></table>	Det. Alts.	NRB	5 Offset	NRB	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	51.88 dB	46.42 dB	41.70 dB	23.25 dB	41.95 dB	47.95 dB	51.90 dB				Average	51.90 dB	46.95 dB	41.63 dB	21.24 dB	41.69 dB	46.44 dB	51.90 dB			
Det. Alts.	NRB	5 Offset	NRB	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	51.88 dB	46.42 dB	41.70 dB	23.25 dB	41.95 dB	47.95 dB	51.90 dB																											
Average	51.90 dB	46.95 dB	41.63 dB	21.24 dB	41.69 dB	46.44 dB	51.90 dB																											
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0																																		
QPSK	 <table><tr><th>Det. Alts.</th><th>NRB</th><th>5 Offset</th><th>NRB</th><th>0</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.33 dB</td><td>46.37 dB</td><td>41.54 dB</td><td>22.62 dB</td><td>43.95 dB</td><td>47.41 dB</td><td>52.90 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>53.26 dB</td><td>45.62 dB</td><td>40.76 dB</td><td>22.69 dB</td><td>43.27 dB</td><td>47.38 dB</td><td>53.17 dB</td><td></td><td></td><td></td></tr></table>	Det. Alts.	NRB	5 Offset	NRB	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.33 dB	46.37 dB	41.54 dB	22.62 dB	43.95 dB	47.41 dB	52.90 dB				Average	53.26 dB	45.62 dB	40.76 dB	22.69 dB	43.27 dB	47.38 dB	53.17 dB			
Det. Alts.	NRB	5 Offset	NRB	0	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	53.33 dB	46.37 dB	41.54 dB	22.62 dB	43.95 dB	47.41 dB	52.90 dB																											
Average	53.26 dB	45.62 dB	40.76 dB	22.69 dB	43.27 dB	47.38 dB	53.17 dB																											
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max																																		
QPSK	 <table><tr><th>Det. Alts.</th><th>NRB</th><th>5 Offset</th><th>NRB</th><th>1</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.24 dB</td><td>47.45 dB</td><td>43.35 dB</td><td>22.59 dB</td><td>40.95 dB</td><td>46.15 dB</td><td>53.42 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>53.26 dB</td><td>47.11 dB</td><td>42.88 dB</td><td>22.58 dB</td><td>40.76 dB</td><td>45.92 dB</td><td>53.16 dB</td><td></td><td></td><td></td></tr></table>	Det. Alts.	NRB	5 Offset	NRB	1	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.24 dB	47.45 dB	43.35 dB	22.59 dB	40.95 dB	46.15 dB	53.42 dB				Average	53.26 dB	47.11 dB	42.88 dB	22.58 dB	40.76 dB	45.92 dB	53.16 dB			
Det. Alts.	NRB	5 Offset	NRB	1	UTRA 2	UTRA 1	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	53.24 dB	47.45 dB	43.35 dB	22.59 dB	40.95 dB	46.15 dB	53.42 dB																											
Average	53.26 dB	47.11 dB	42.88 dB	22.58 dB	40.76 dB	45.92 dB	53.16 dB																											
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0																																		

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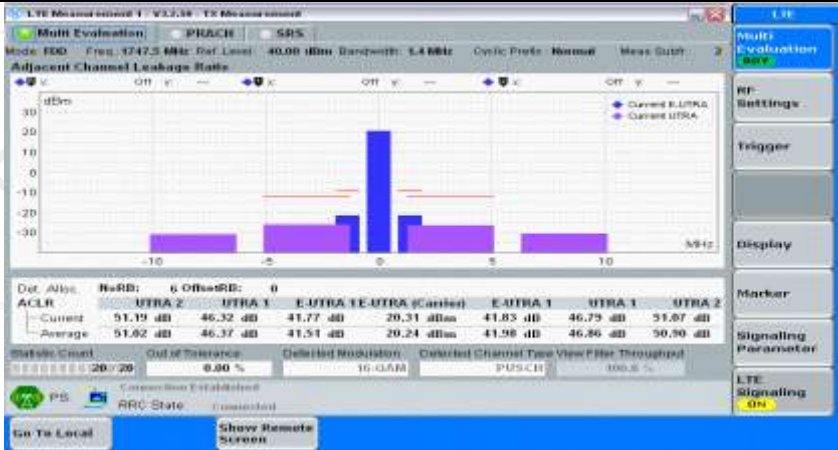

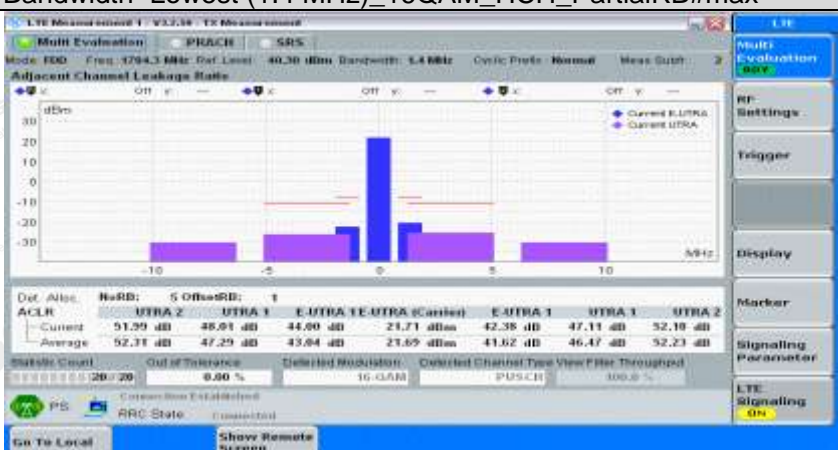
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0</p>

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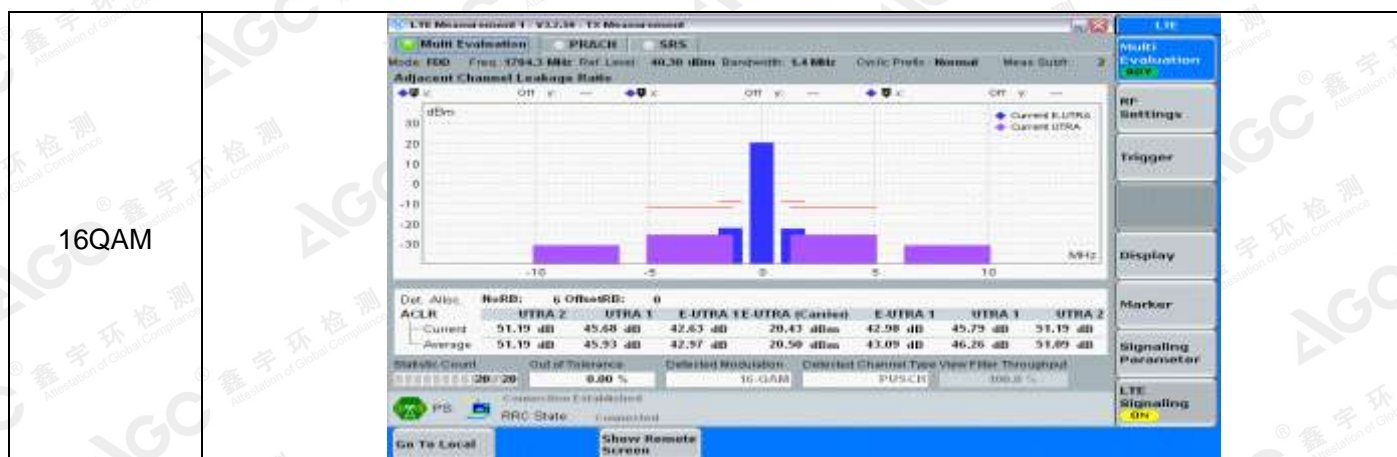
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0</p>

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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>

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Channel Bandwidth= (5 MHz)

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






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






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

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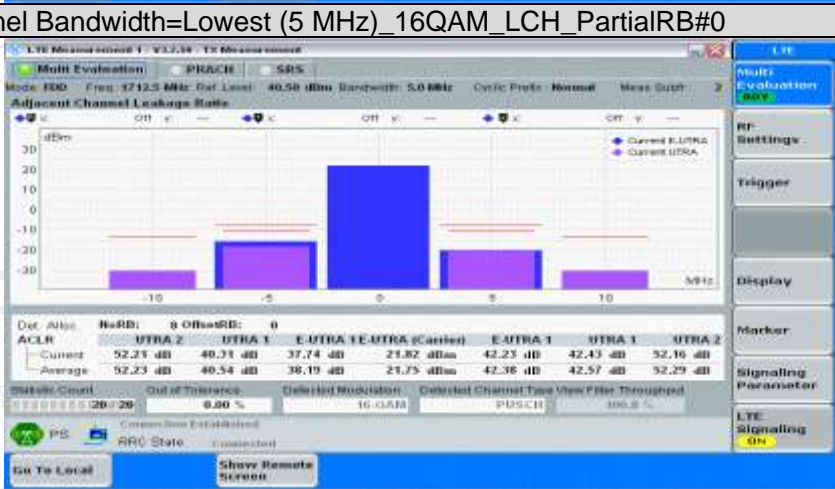
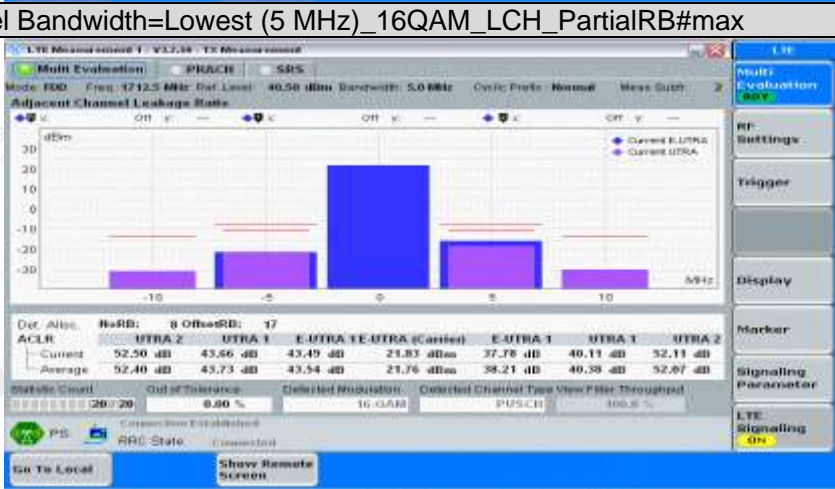
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0</p>

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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>

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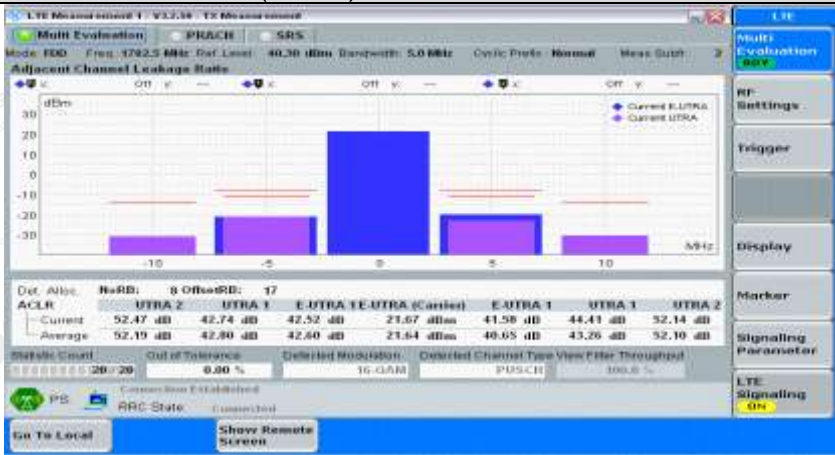
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0</p>

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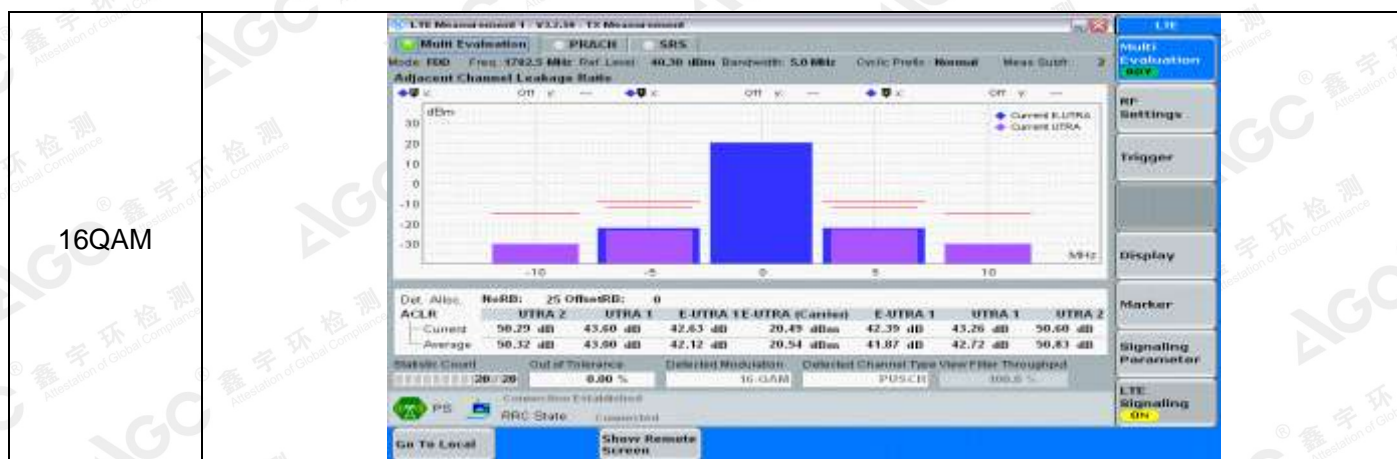
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	

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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>

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Channel Bandwidth= (10 MHz)

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






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



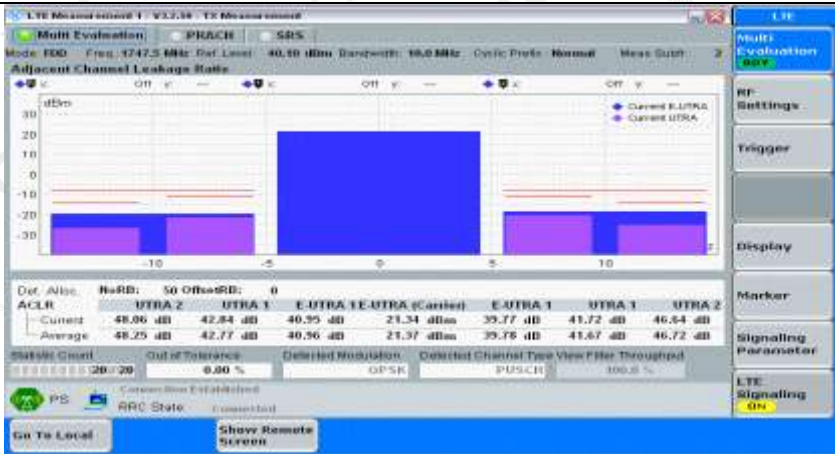


Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_FullIRB#0

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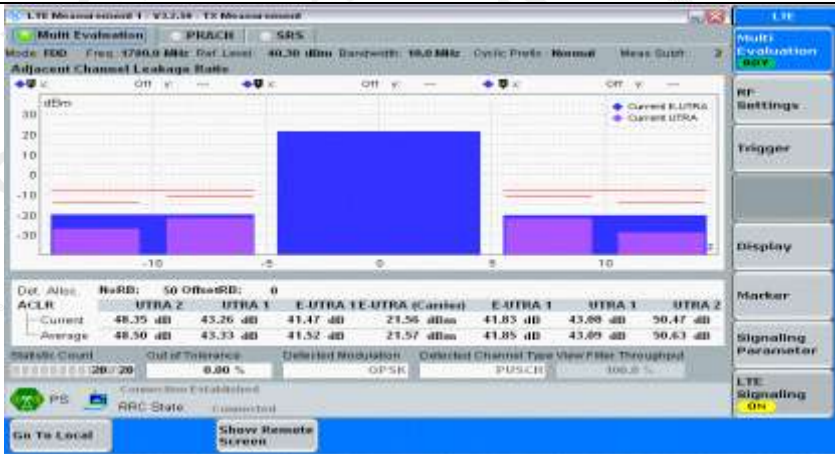

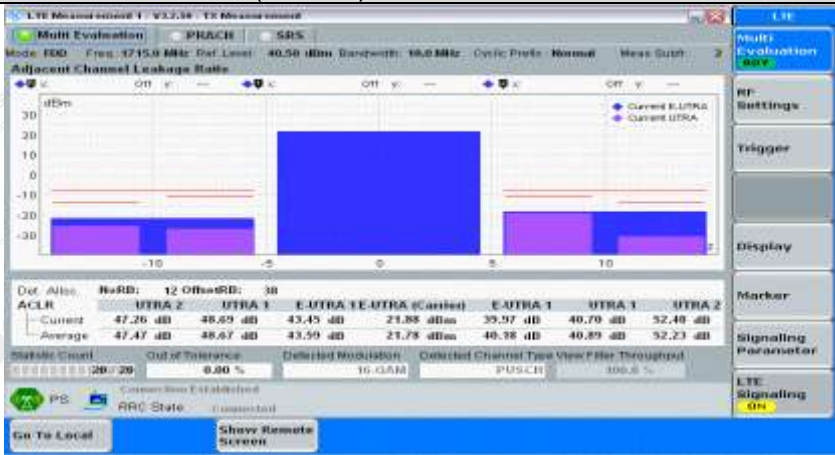
QPSK	 <table><tr><th>Det. Alloc.</th><th>NbRB</th><th>50 OffsetRB</th><th>0</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>46.15 dB</td><td>42.86 dB</td><td>40.49 dB</td><td>21.78 dBm</td><td>38.16 dB</td><td>41.14 dB</td><td>42.85 dB</td></tr><tr><td>Average</td><td>46.45 dB</td><td>42.94 dB</td><td>40.62 dB</td><td>21.75 dBm</td><td>38.43 dB</td><td>41.44 dB</td><td>43.03 dB</td></tr></table>	Det. Alloc.	NbRB	50 OffsetRB	0	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	46.15 dB	42.86 dB	40.49 dB	21.78 dBm	38.16 dB	41.14 dB	42.85 dB	Average	46.45 dB	42.94 dB	40.62 dB	21.75 dBm	38.43 dB	41.44 dB	43.03 dB
Det. Alloc.	NbRB	50 OffsetRB	0	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
Current	46.15 dB	42.86 dB	40.49 dB	21.78 dBm	38.16 dB	41.14 dB	42.85 dB																		
Average	46.45 dB	42.94 dB	40.62 dB	21.75 dBm	38.43 dB	41.44 dB	43.03 dB																		
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0																									
QPSK	 <table><tr><th>Det. Alloc.</th><th>NbRB</th><th>12 OffsetRB</th><th>0</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>52.65 dB</td><td>43.69 dB</td><td>42.76 dB</td><td>22.33 dBm</td><td>40.36 dB</td><td>45.59 dB</td><td>44.15 dB</td></tr><tr><td>Average</td><td>52.71 dB</td><td>43.92 dB</td><td>42.95 dB</td><td>22.34 dBm</td><td>40.43 dB</td><td>45.90 dB</td><td>44.16 dB</td></tr></table>	Det. Alloc.	NbRB	12 OffsetRB	0	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	52.65 dB	43.69 dB	42.76 dB	22.33 dBm	40.36 dB	45.59 dB	44.15 dB	Average	52.71 dB	43.92 dB	42.95 dB	22.34 dBm	40.43 dB	45.90 dB	44.16 dB
Det. Alloc.	NbRB	12 OffsetRB	0	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
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Average	52.71 dB	43.92 dB	42.95 dB	22.34 dBm	40.43 dB	45.90 dB	44.16 dB																		
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max																									
QPSK	 <table><tr><th>Det. Alloc.</th><th>NbRB</th><th>12 OffsetRB</th><th>38</th><th>E-UTRA 1E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>46.26 dB</td><td>47.71 dB</td><td>42.53 dB</td><td>22.27 dBm</td><td>42.56 dB</td><td>43.46 dB</td><td>52.65 dB</td></tr><tr><td>Average</td><td>46.27 dB</td><td>47.81 dB</td><td>42.48 dB</td><td>22.27 dBm</td><td>42.68 dB</td><td>43.67 dB</td><td>52.70 dB</td></tr></table>	Det. Alloc.	NbRB	12 OffsetRB	38	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	46.26 dB	47.71 dB	42.53 dB	22.27 dBm	42.56 dB	43.46 dB	52.65 dB	Average	46.27 dB	47.81 dB	42.48 dB	22.27 dBm	42.68 dB	43.67 dB	52.70 dB
Det. Alloc.	NbRB	12 OffsetRB	38	E-UTRA 1E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
Current	46.26 dB	47.71 dB	42.53 dB	22.27 dBm	42.56 dB	43.46 dB	52.65 dB																		
Average	46.27 dB	47.81 dB	42.48 dB	22.27 dBm	42.68 dB	43.67 dB	52.70 dB																		
Channel Bandwidth=Lowest (10 MHz) QPSK MCH FullRB#0																									

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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>

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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>

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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>

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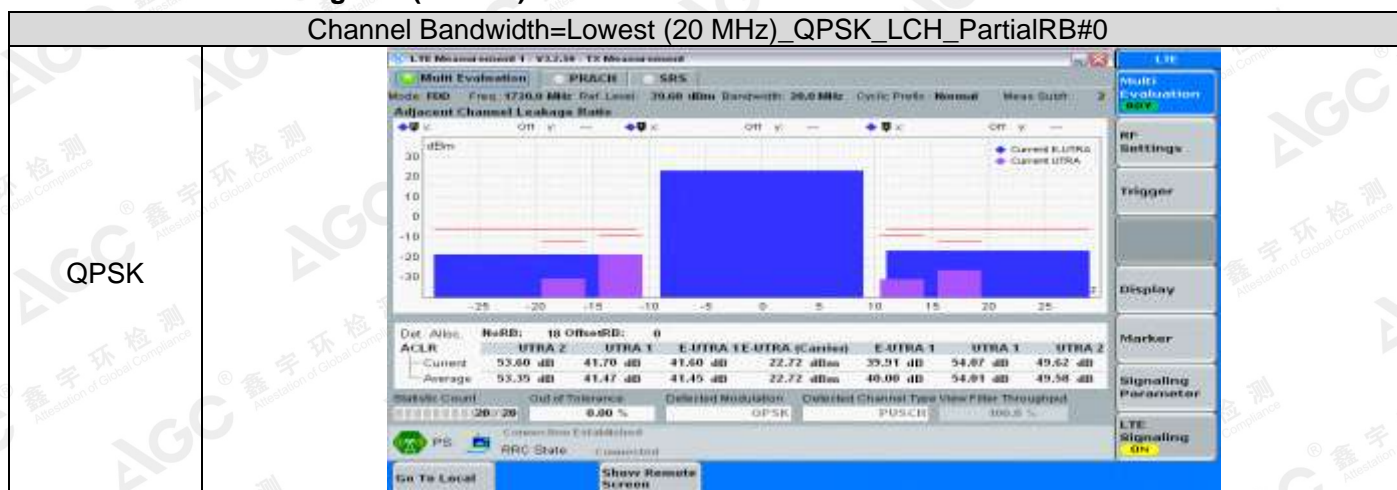


16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0</p>

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Channel Bandwidth=Highest (20 MHz)





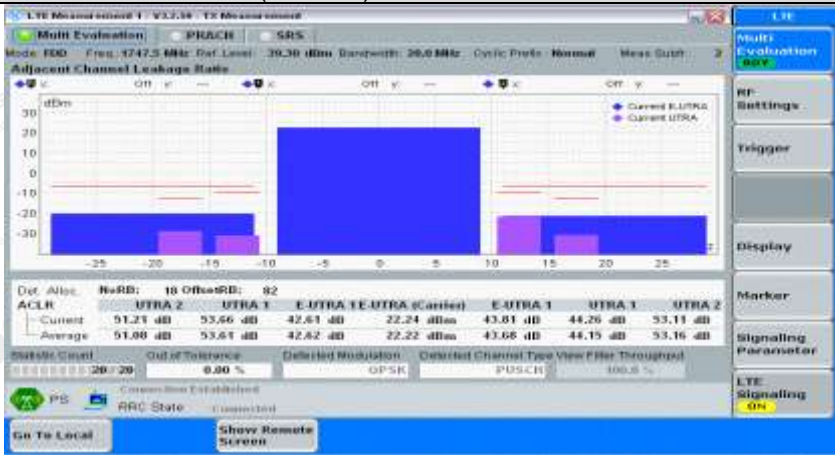
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max



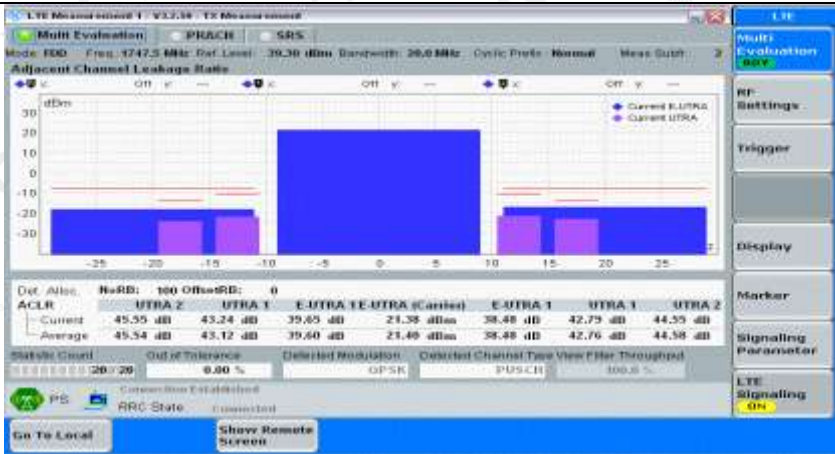
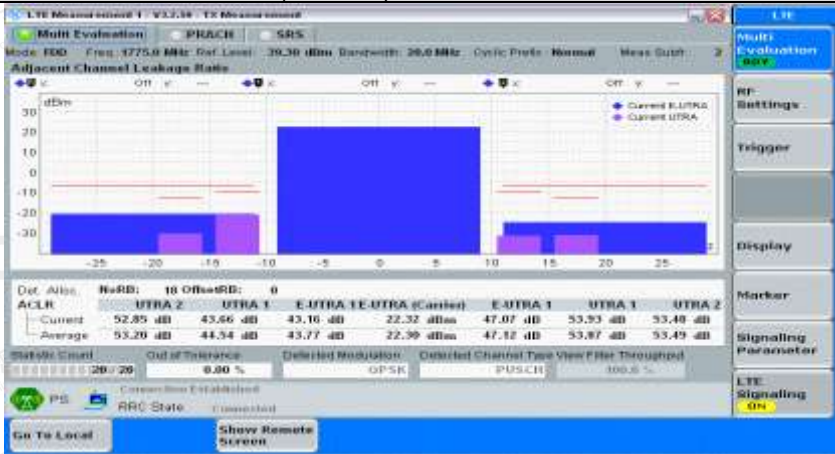

Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_FullIRB#0

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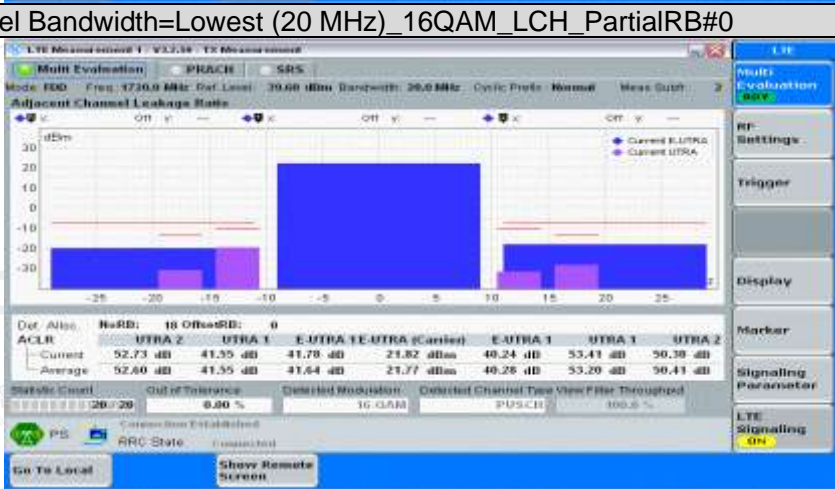
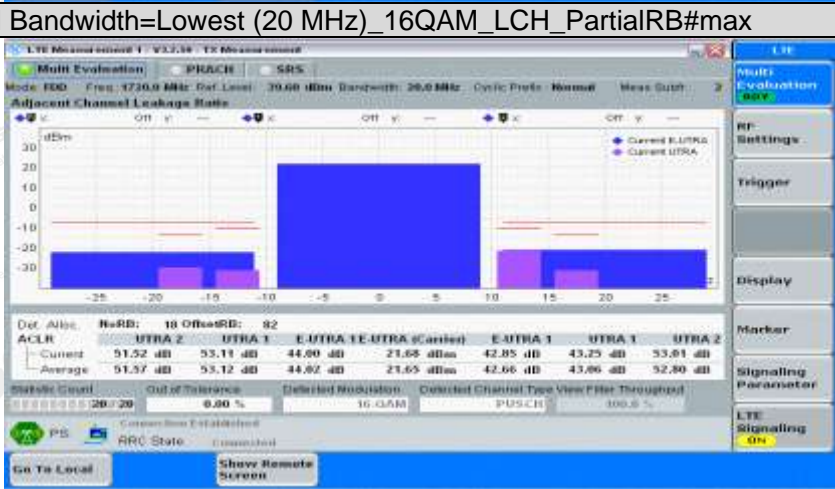
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0</p>

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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_FullRB#0</p>

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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>

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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>

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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>

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## 5. Transmitter Spurious Emissions

### Test Result

NTV

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

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

## Test Graphs

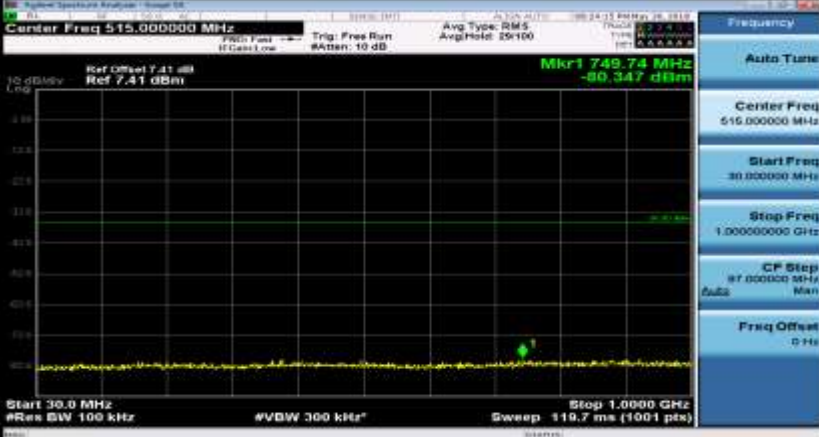
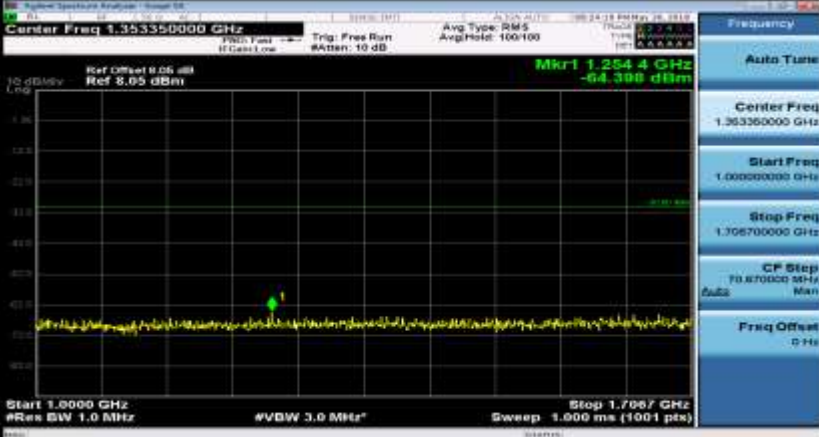

NTNV

Channel Bandwidth=Lowest (1.4 MHz)


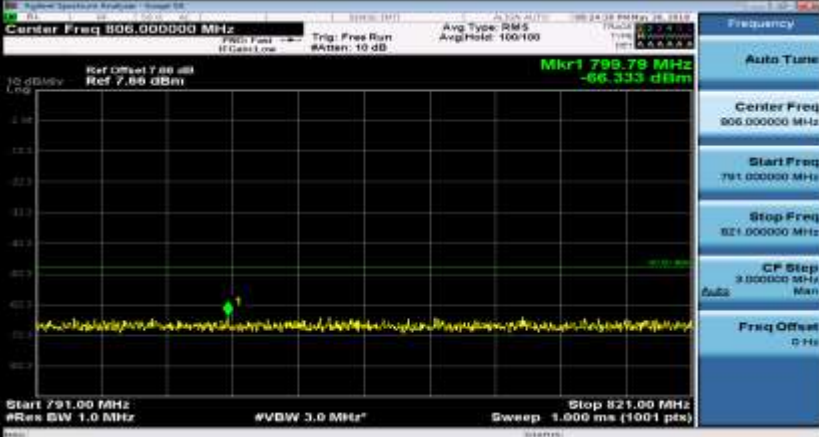
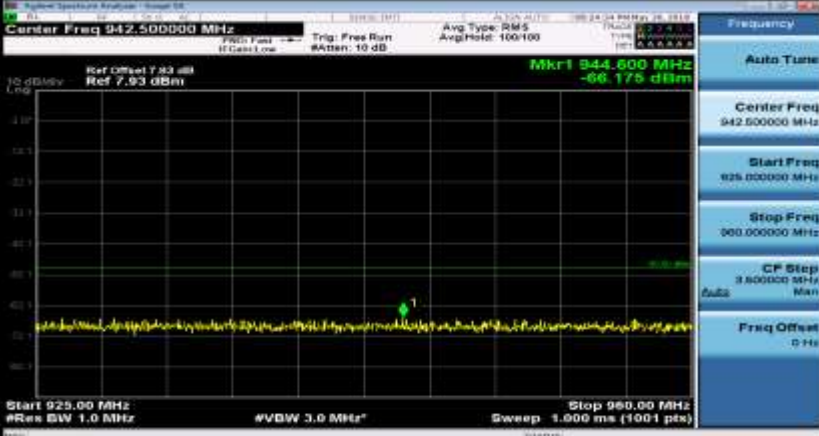


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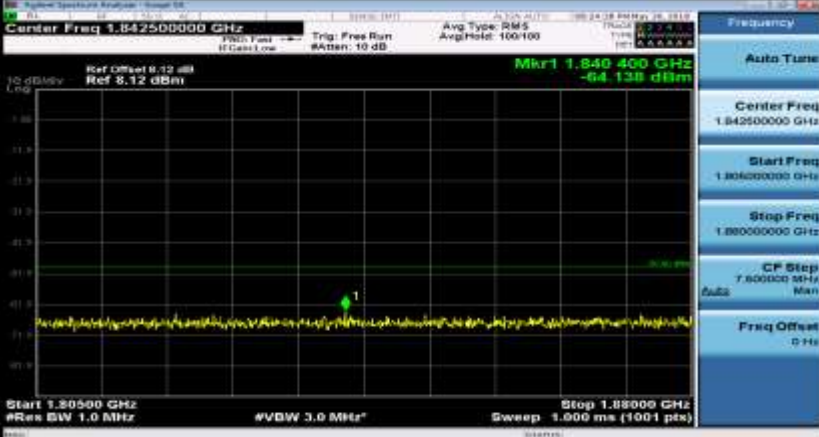
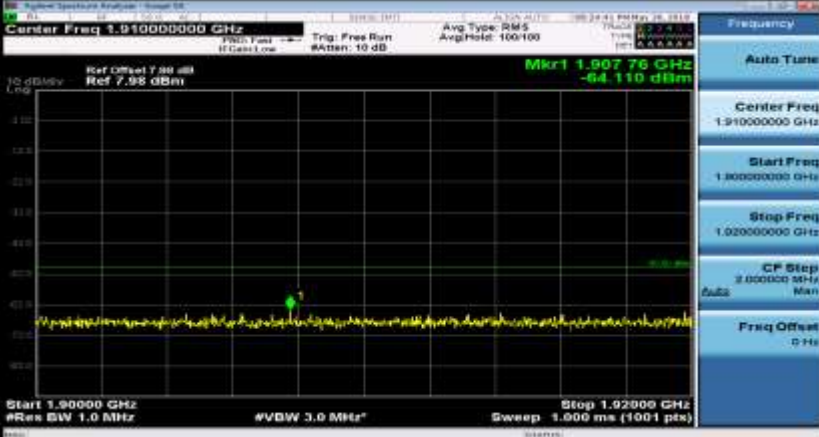

General			
General			
General			

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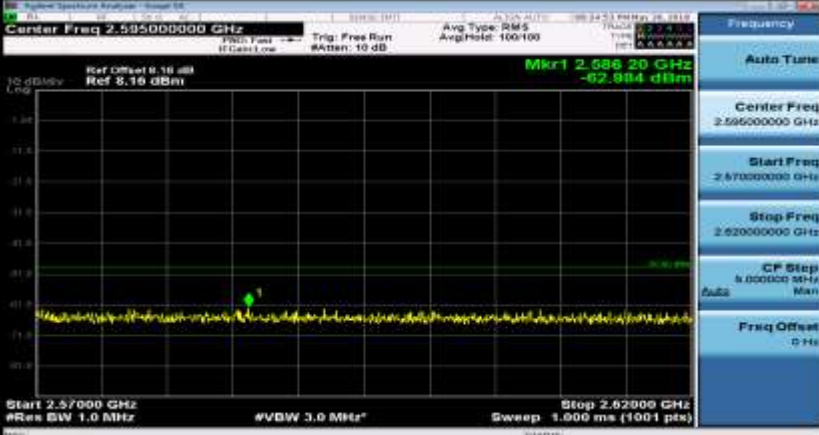
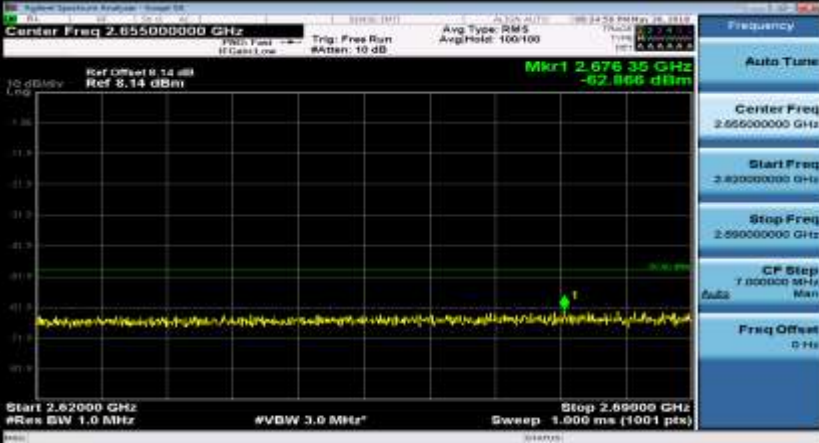
General			
Co-existence			
Co-existence			

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Co-existence			
Co-existence			
Co-existence			


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Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Additional	NA

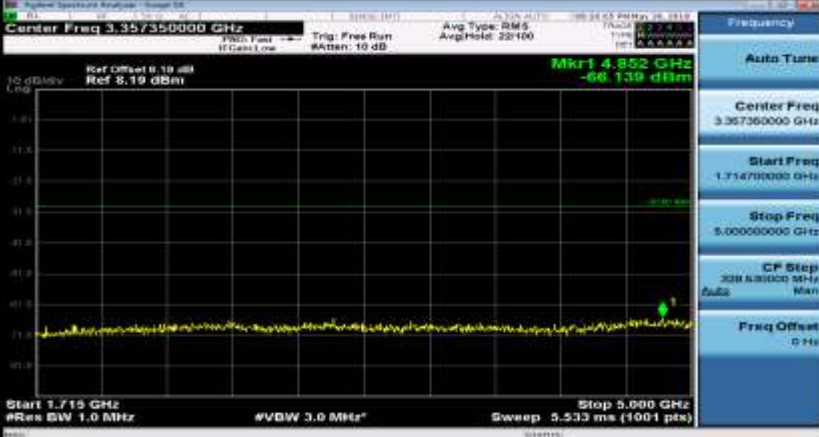

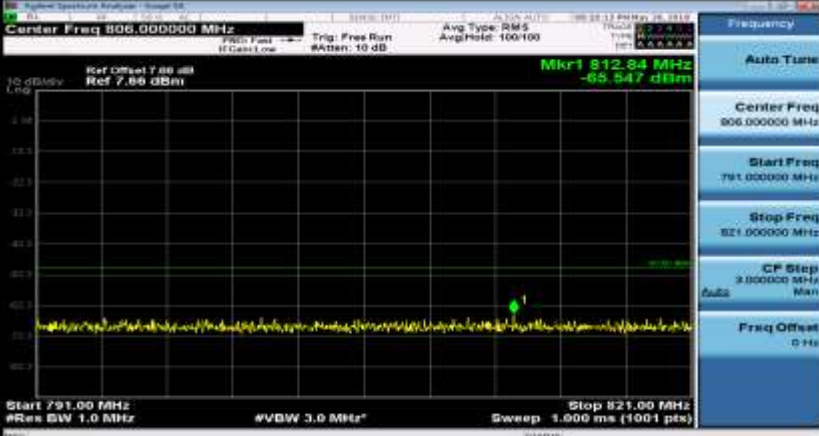
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_1RB#max	
General	

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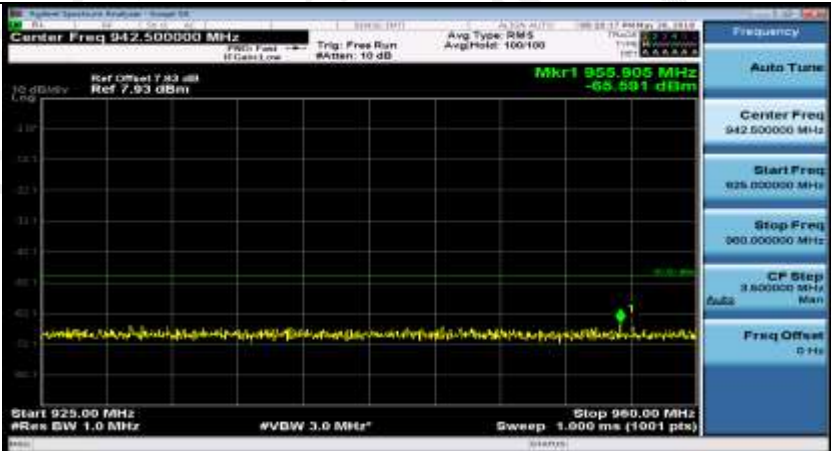
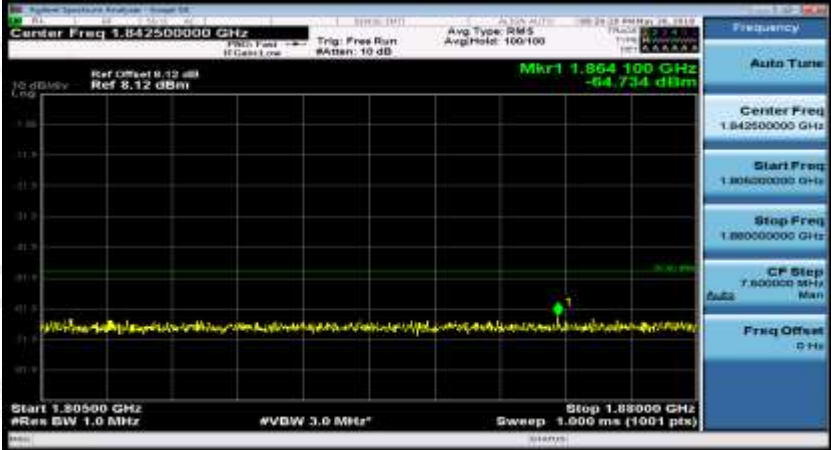
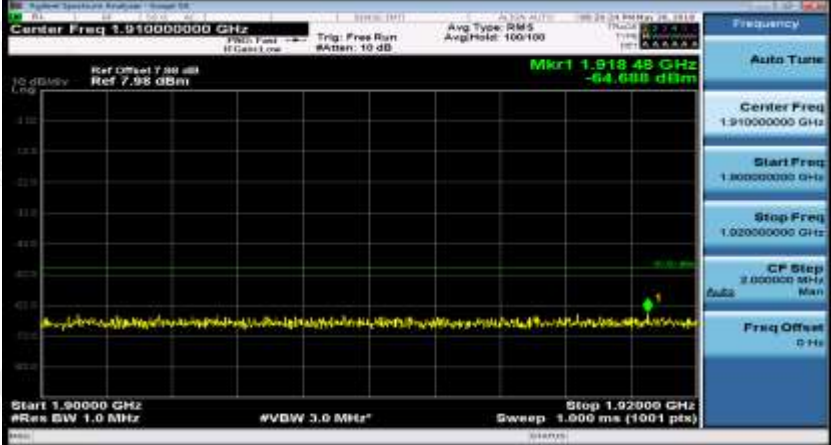
General			
General			
General			

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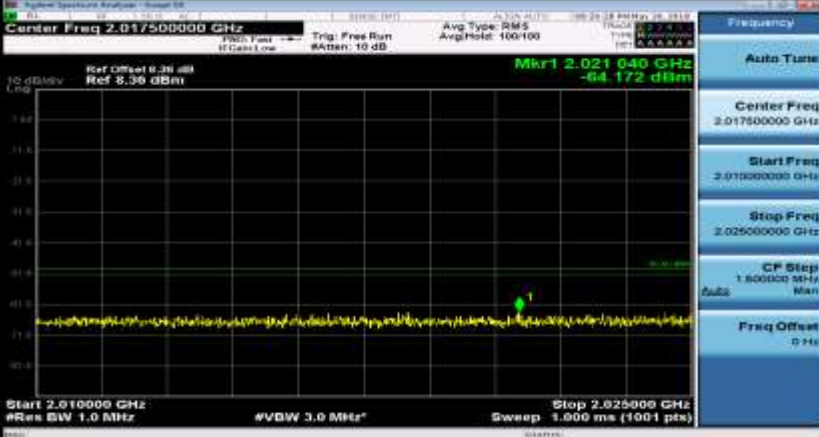
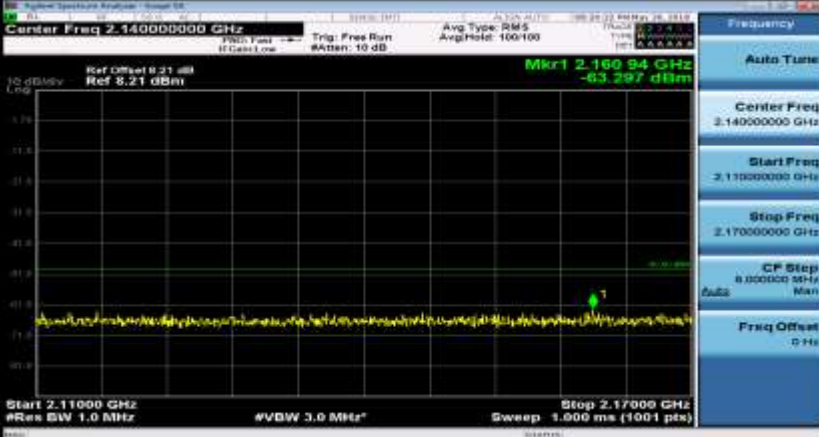

General			
General			
Co-existence			

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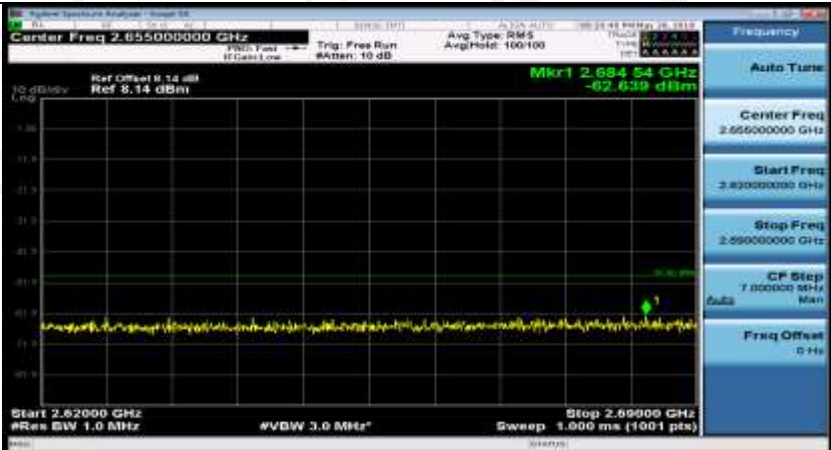
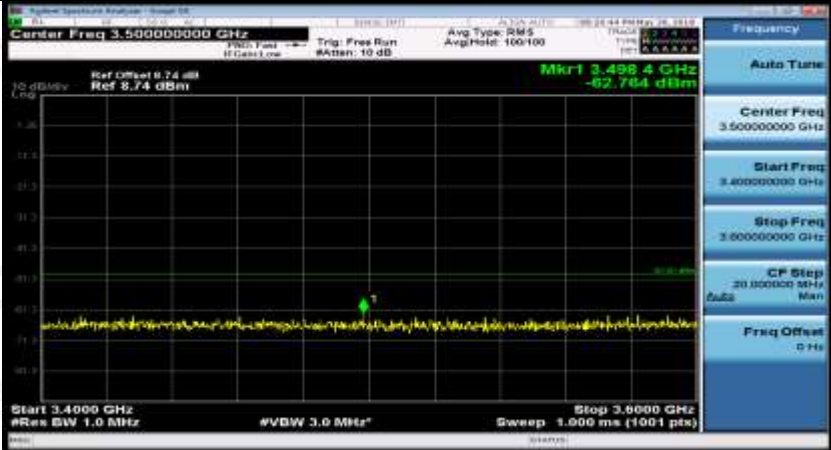
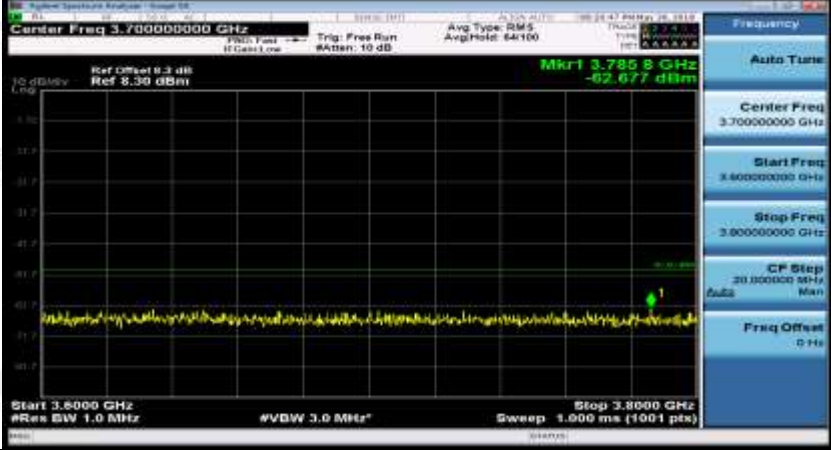
Co-existence	
Co-existence	
Co-existence	

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Co-existence		 <p>Center Freq 2.017500000 GHz Mkr1 2.021040 GHz -64.172 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>Center Freq 2.140000000 GHz Mkr1 2.16094 GHz -63.297 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>Center Freq 2.595000000 GHz Mkr1 2.58935 GHz -62.815 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>	


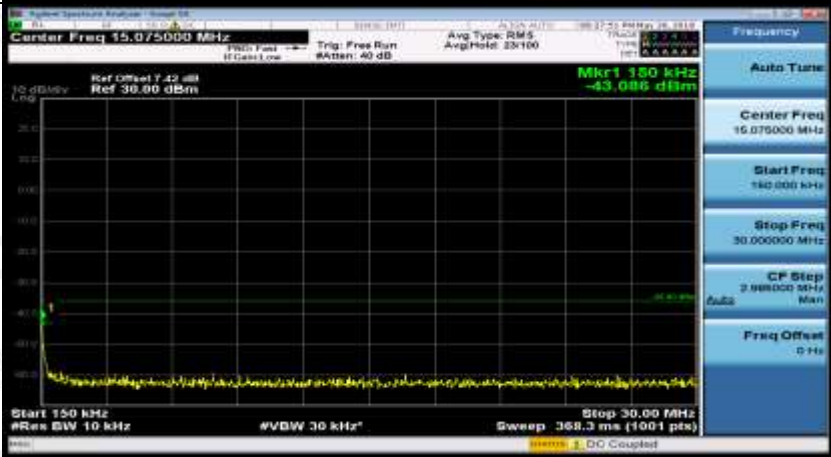
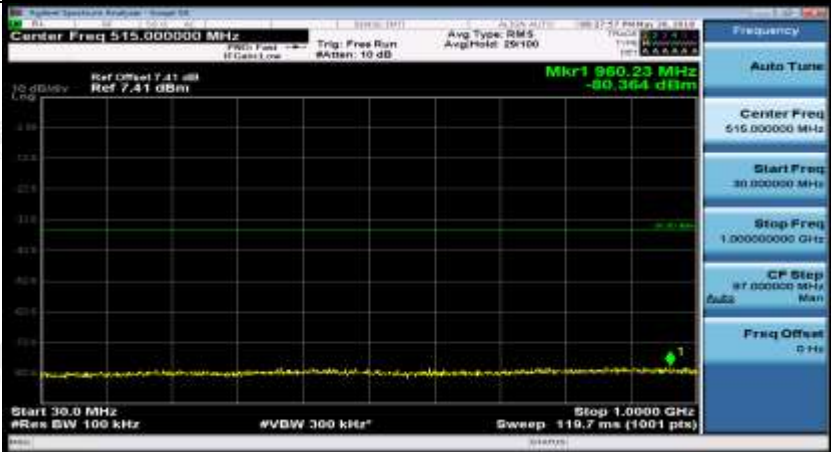
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Co-existence	
Additional	NA

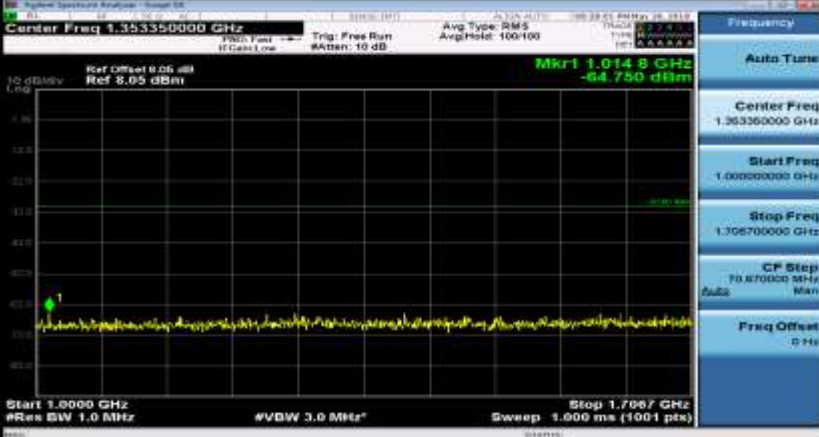


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Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_FullIRB#0

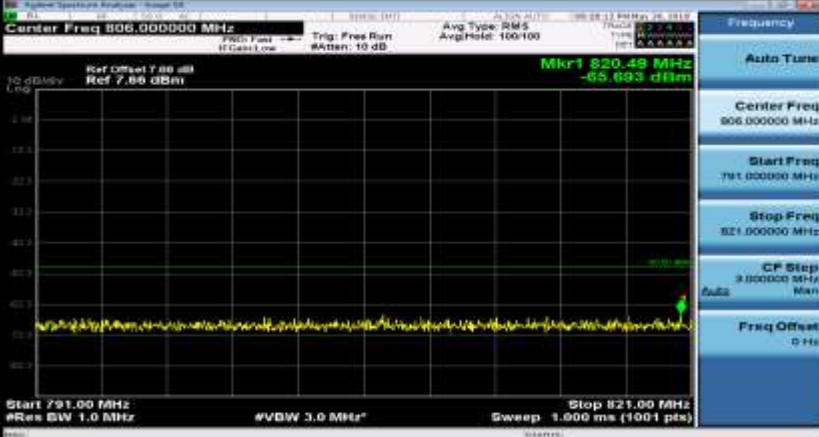
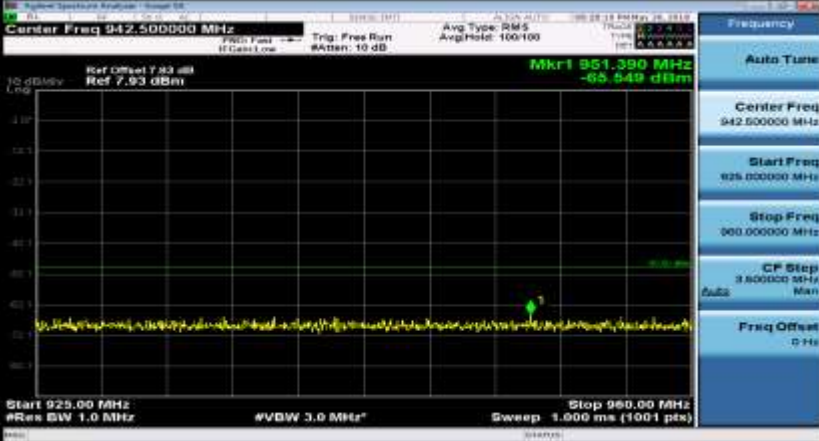
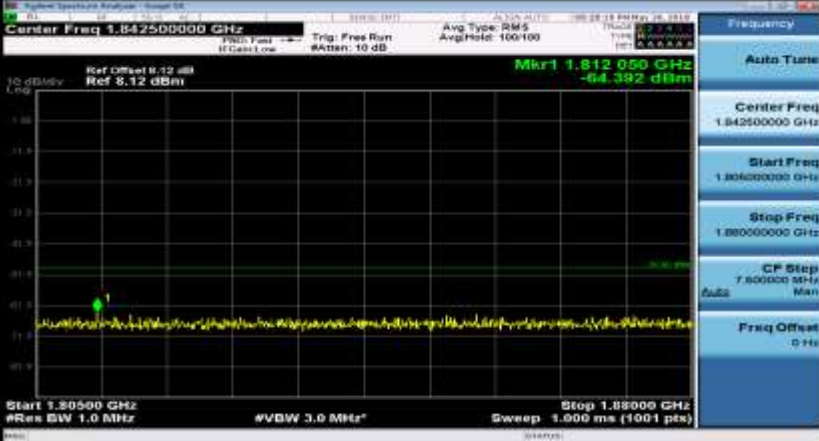
General		
General		
General		

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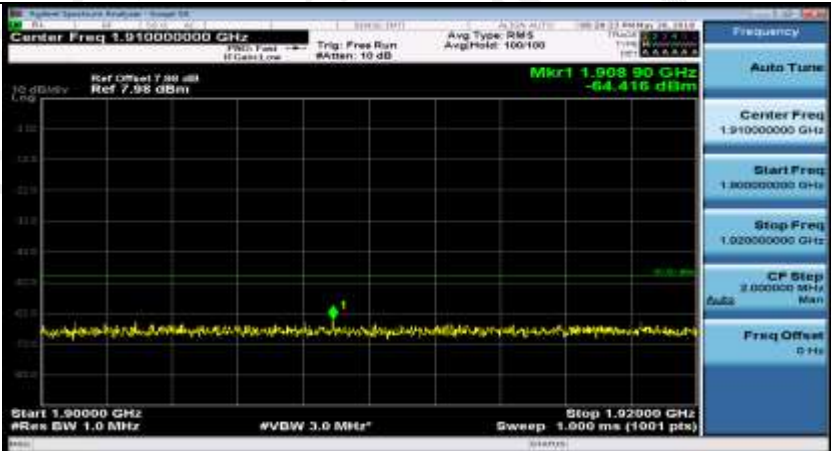
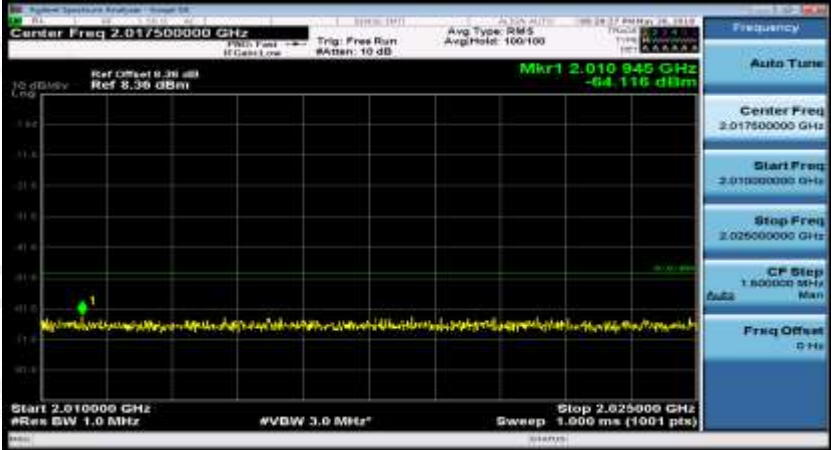
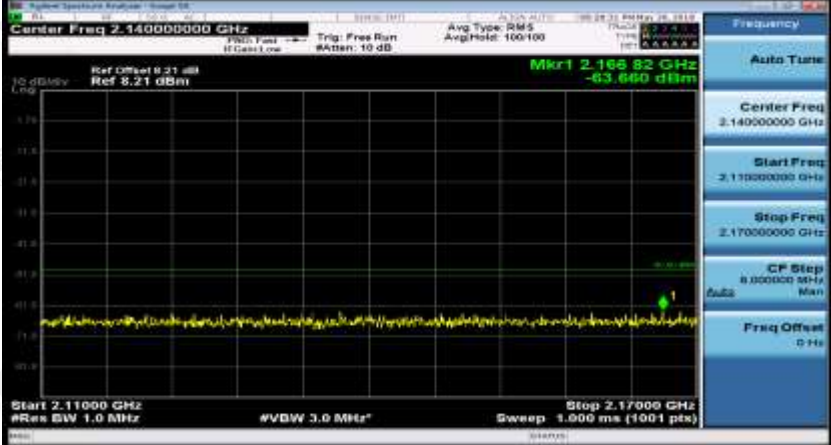
General			
General			
General			

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Co-existence			
Co-existence			
Co-existence			

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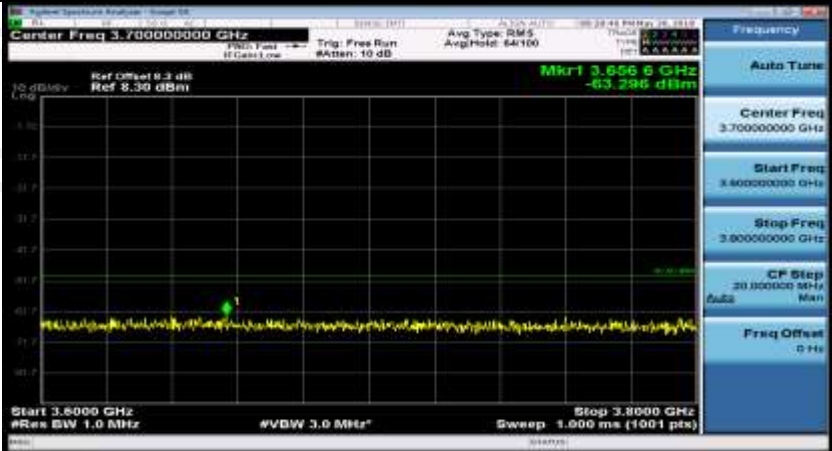
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

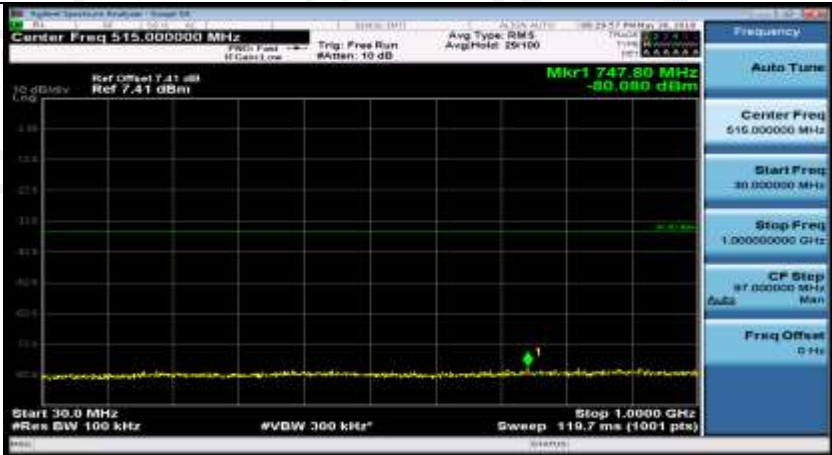
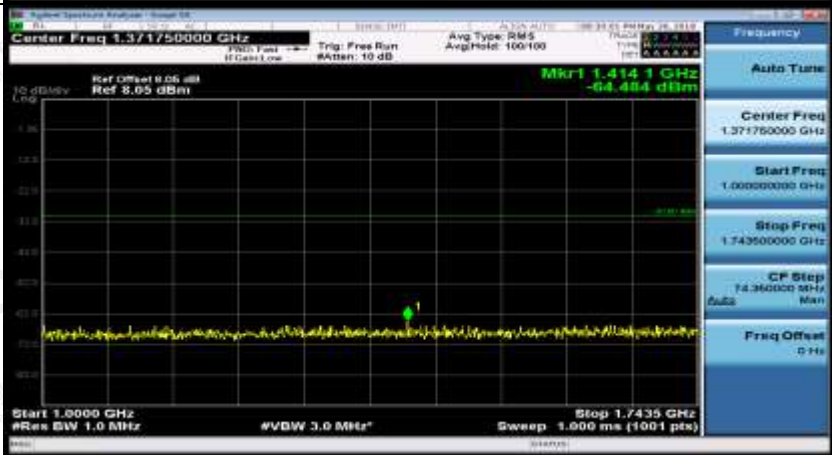

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Co-existence	
Additional	NA


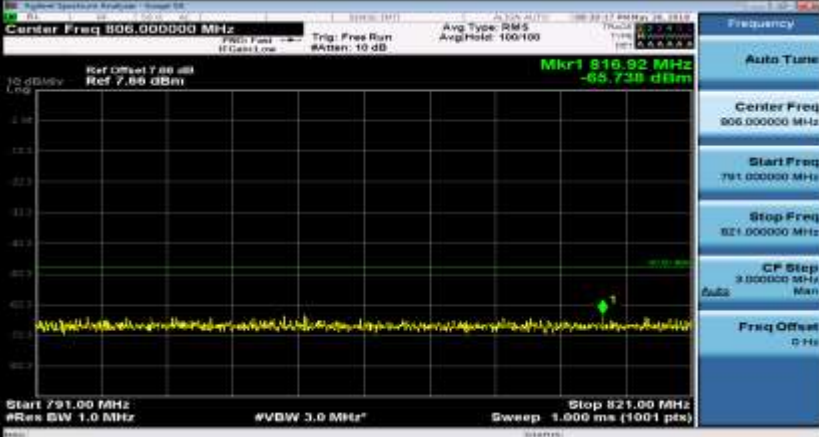
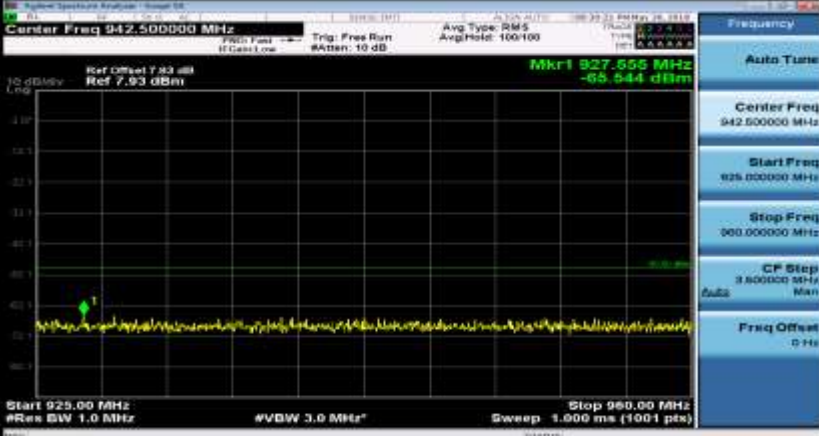
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#0	
General	
General	

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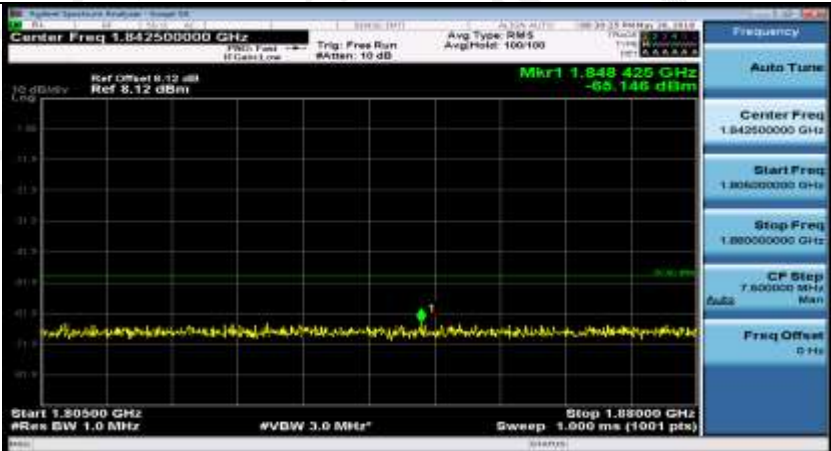
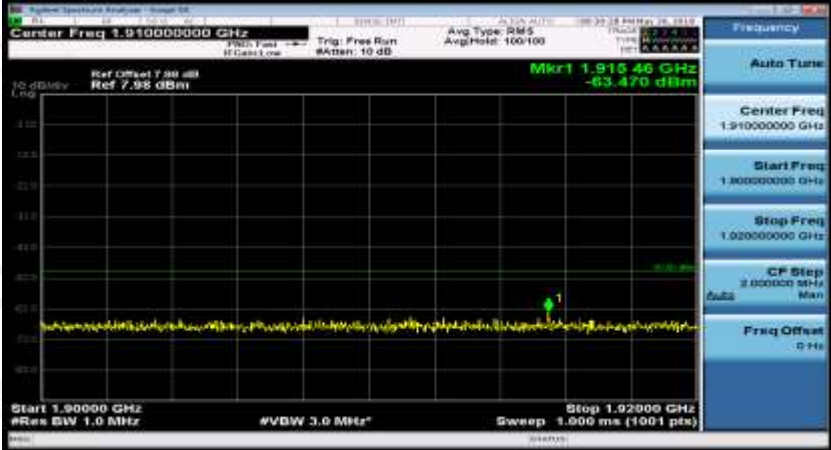
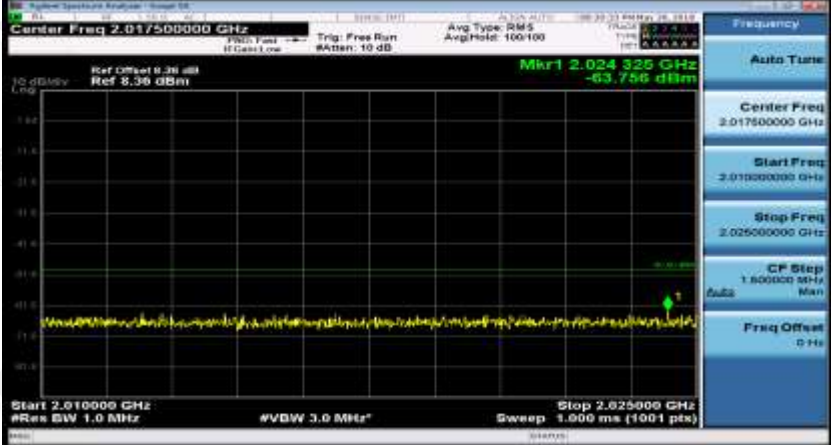
General			
General			
General			

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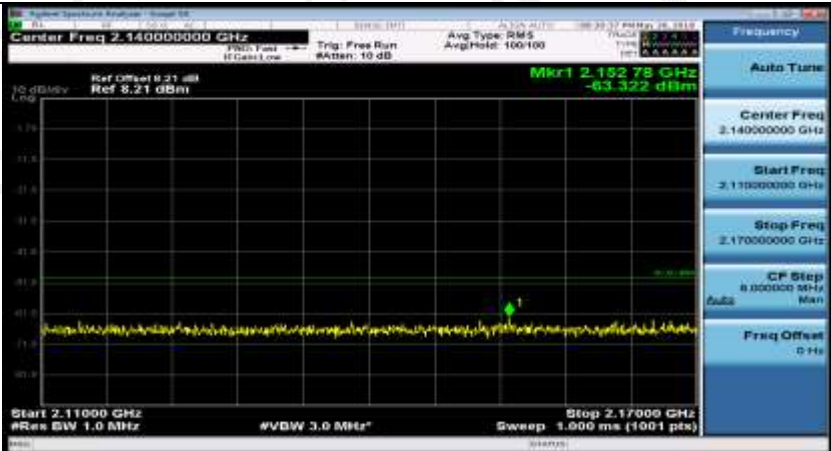
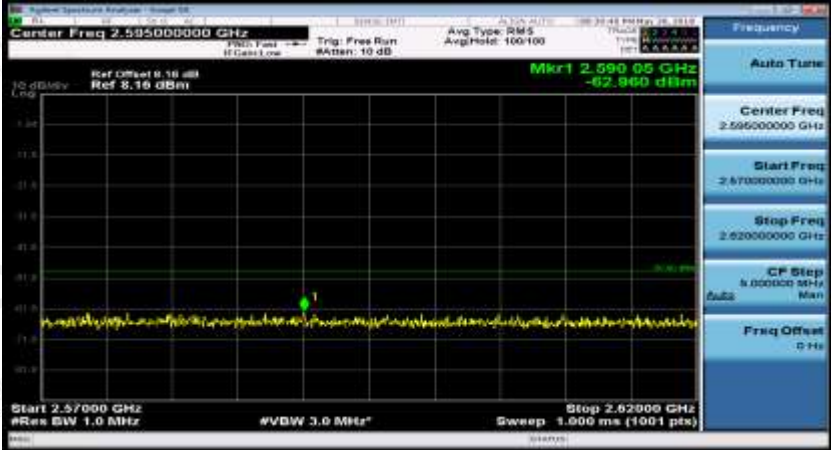
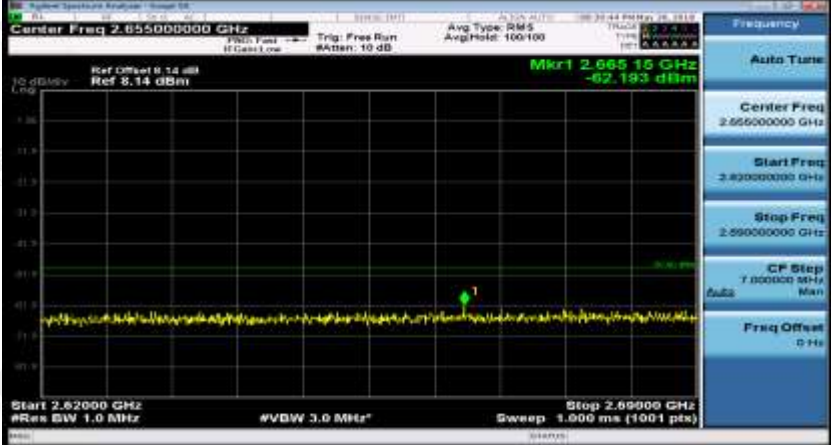
General			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA


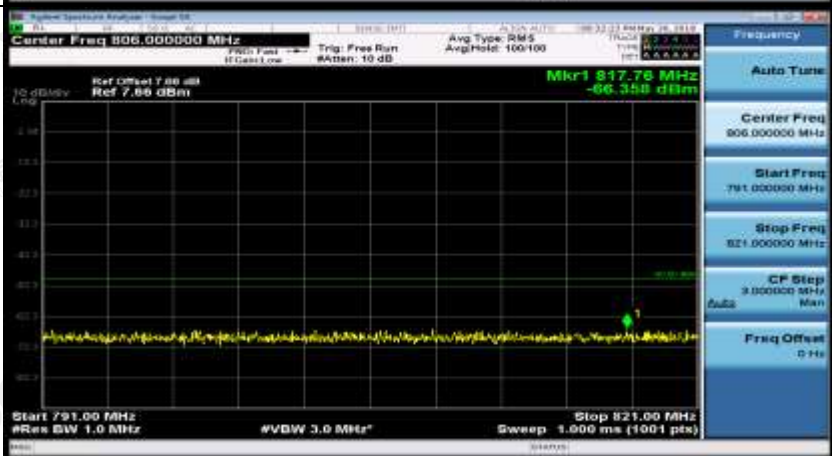
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#max	
General	

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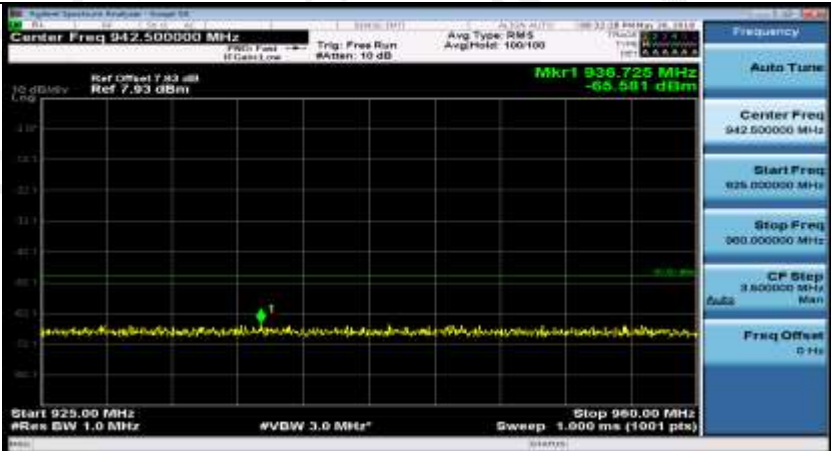
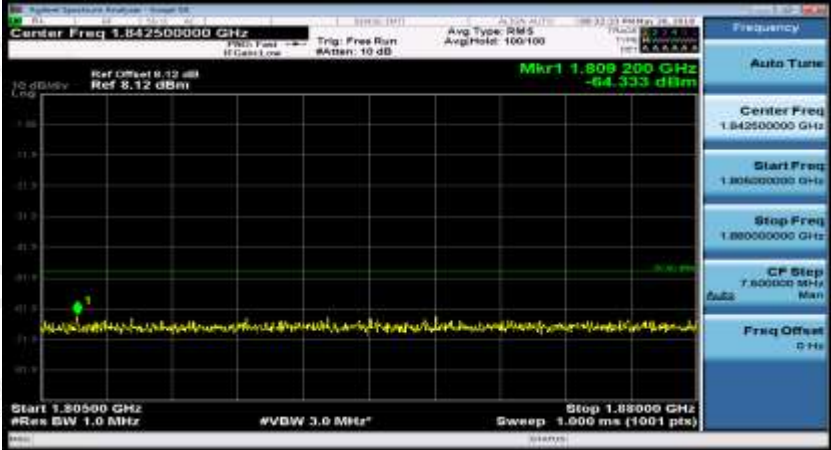
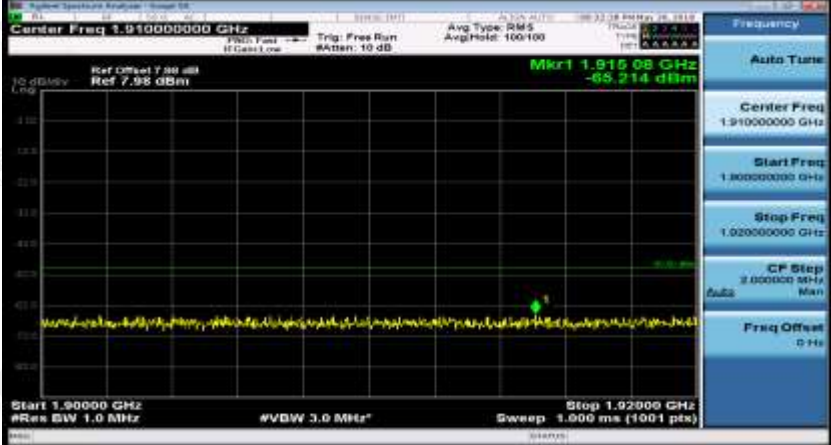
General			
General			
General			

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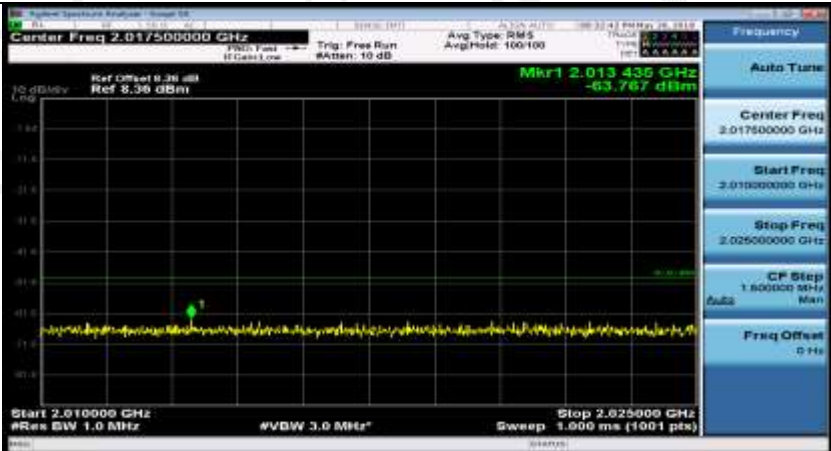
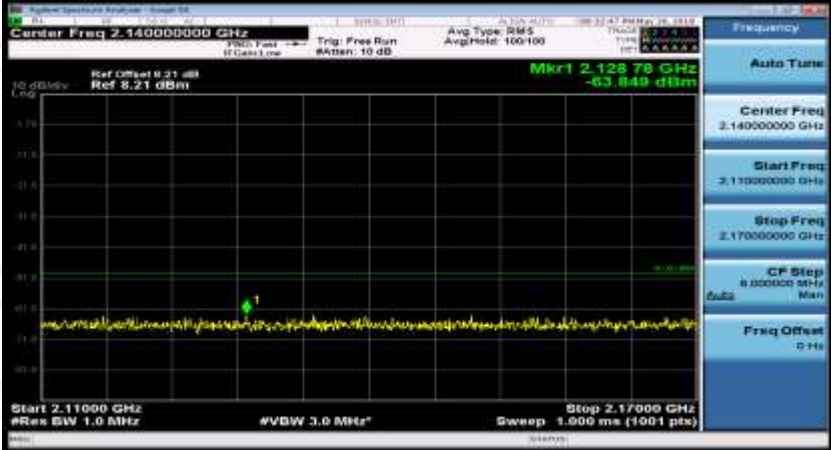
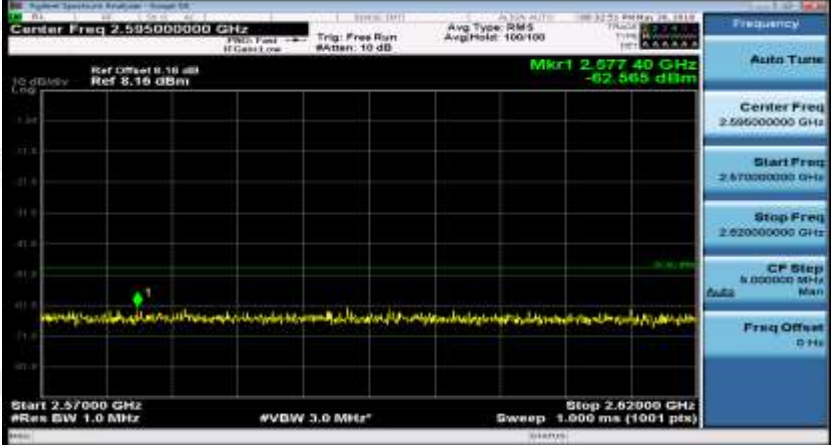
General		 <p>Center Freq 3.375750000 GHz Mkr1 4.857 GHz -65.952 dBm Start 1.752 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 5.000 GHz Sweep 5.467 ms (1001 pts)</p>	
General		 <p>Center Freq 8.875000000 GHz Mkr1 9.386 50 GHz -64.237 dBm Start 5.906 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 12.750 GHz Sweep 12.93 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 806.000000 MHz Mkr1 817.78 MHz -66.350 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>	

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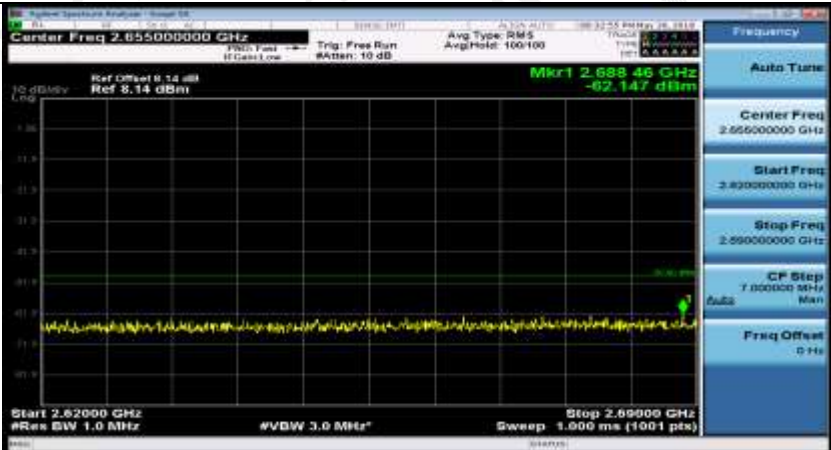

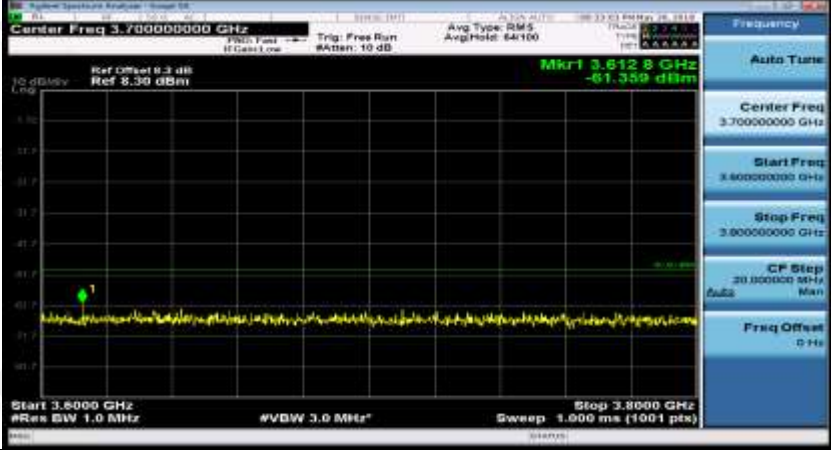
Co-existence	
Co-existence	
Co-existence	

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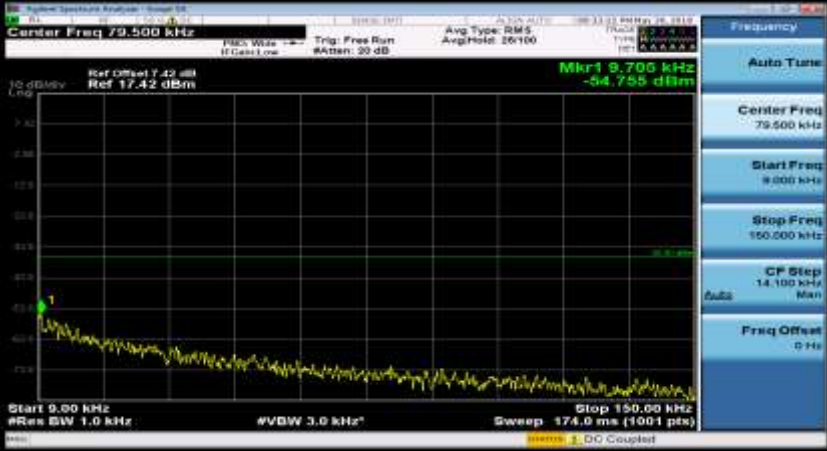
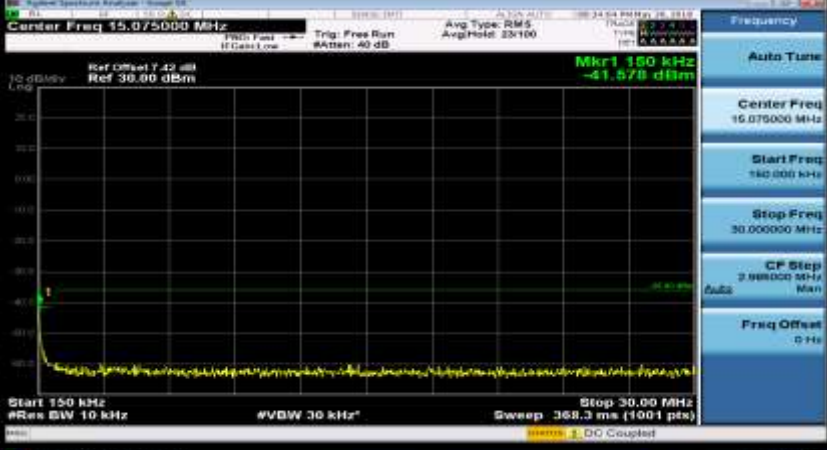
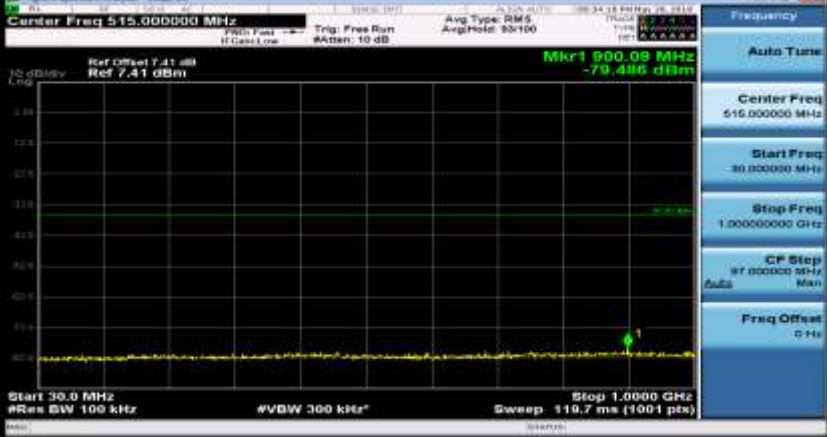
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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

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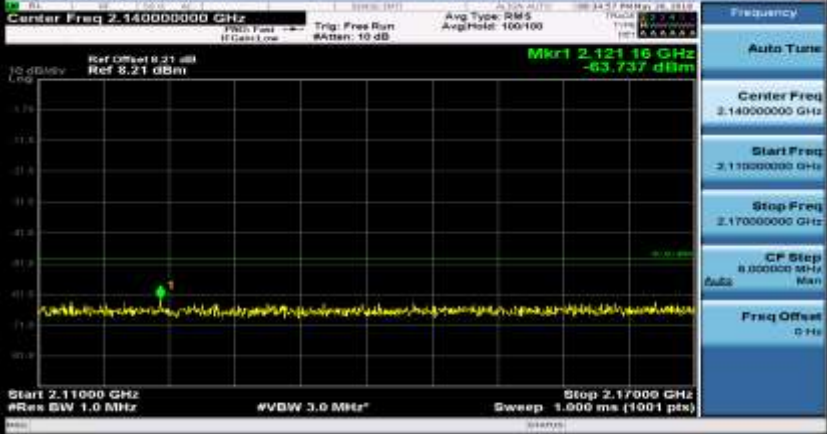
General		
General		
General		

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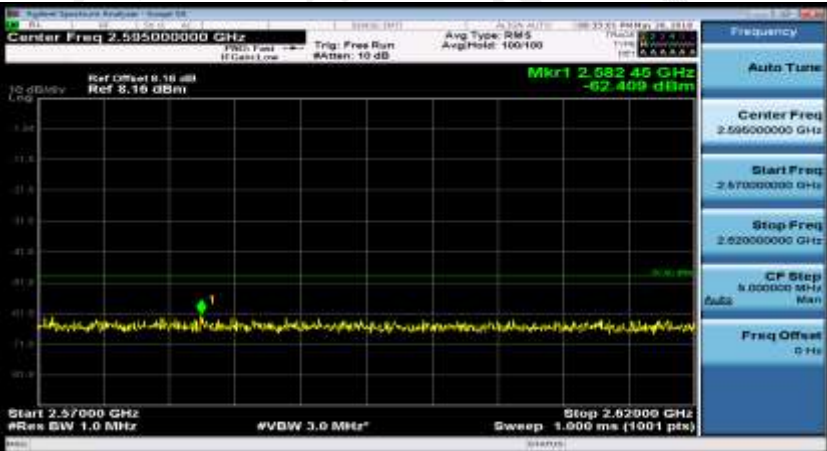
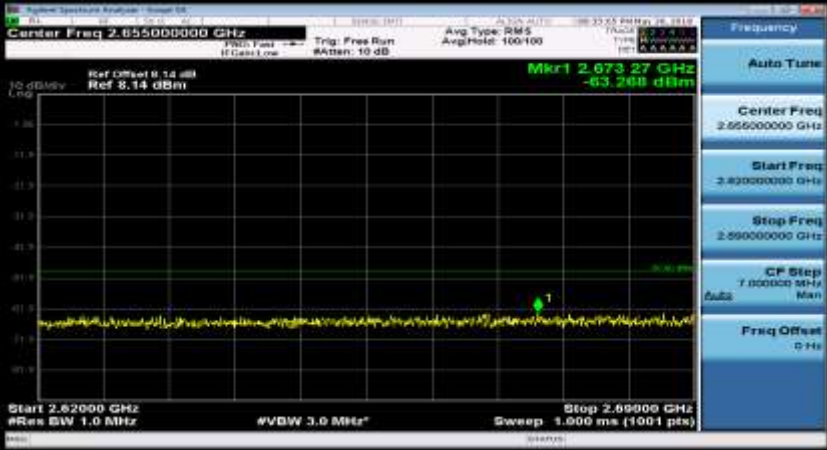
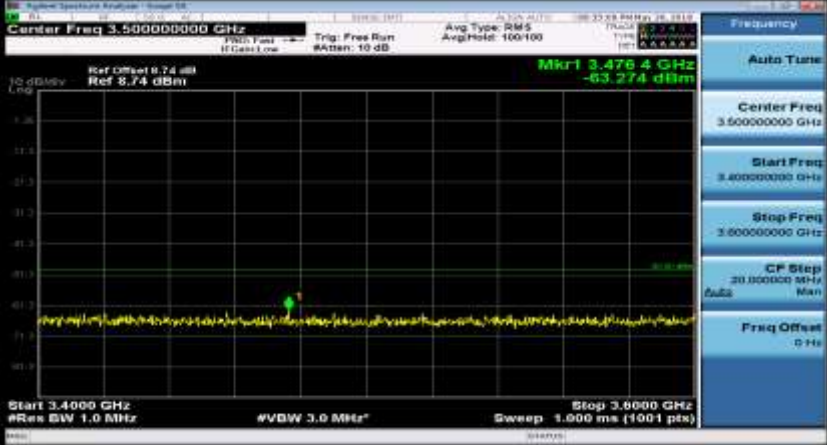
Co-existence	
Co-existence	
Co-existence	

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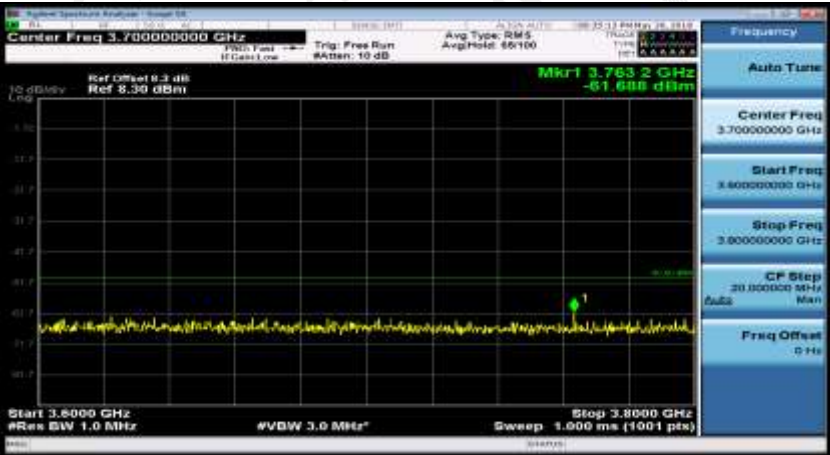
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

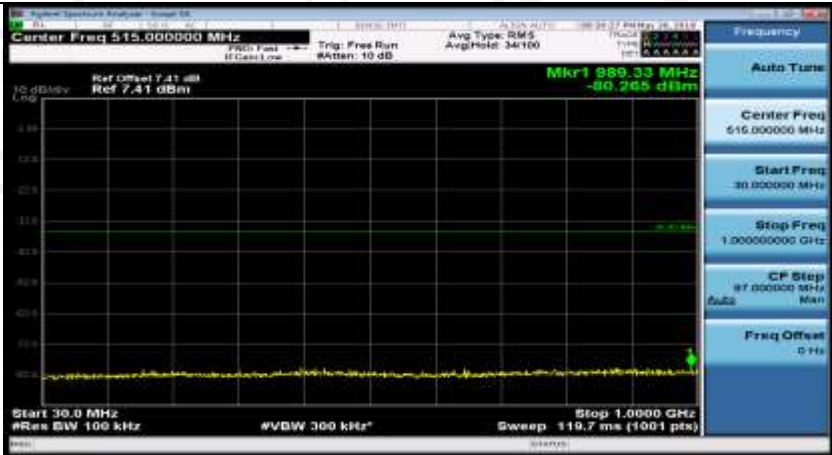
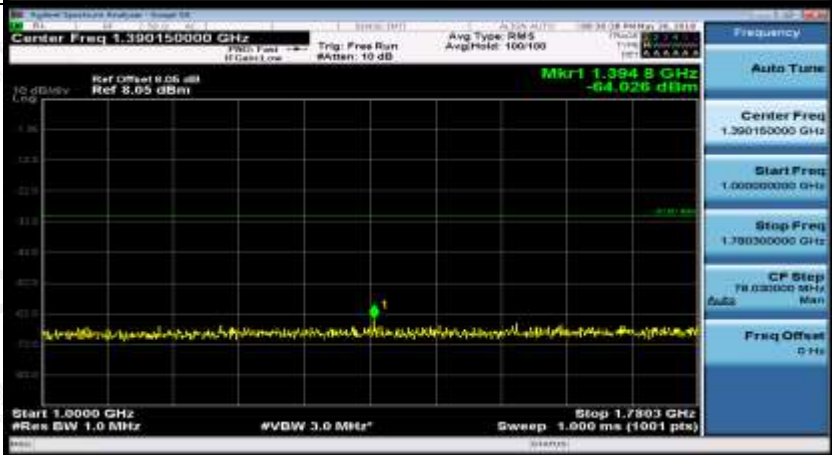
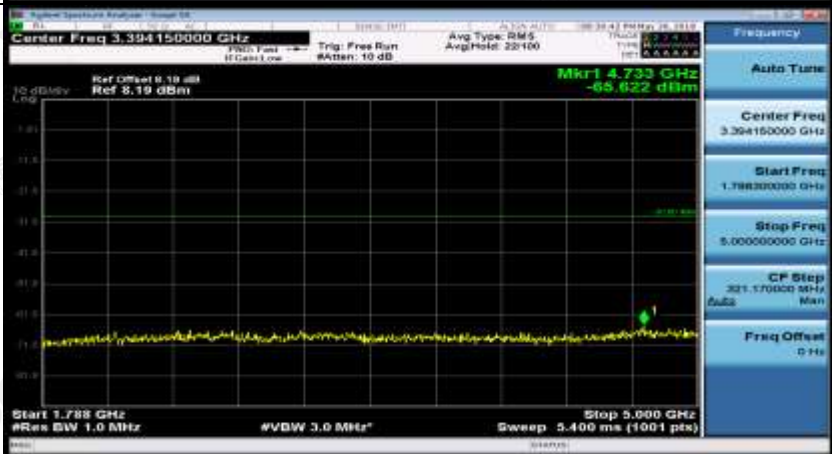
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Additional	NA


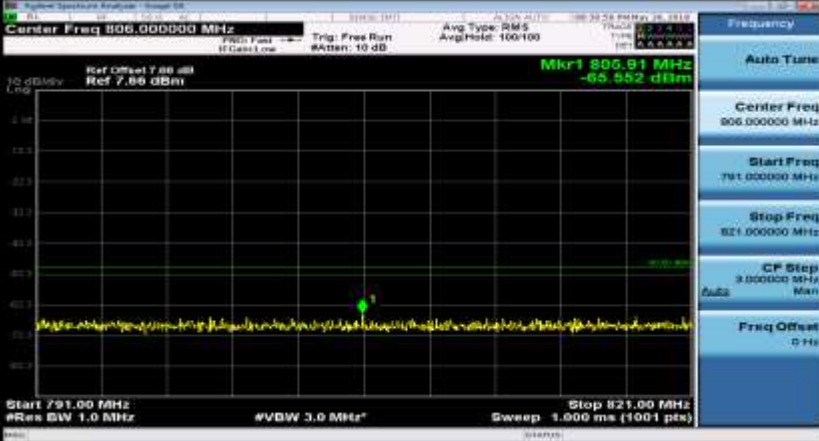
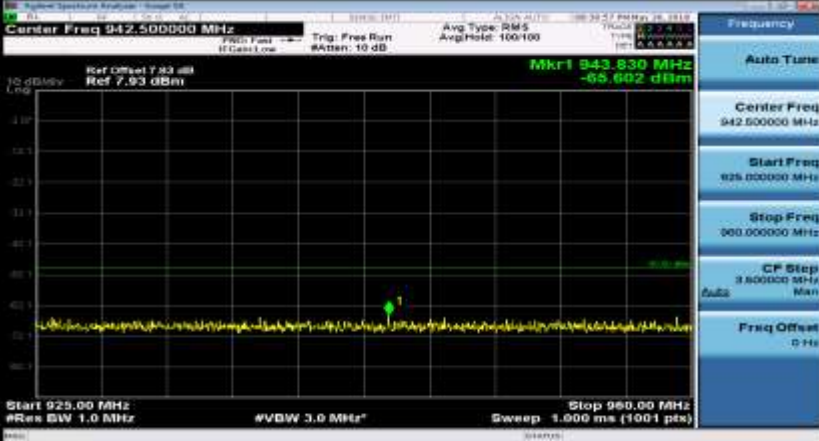
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#0	
General	
General	

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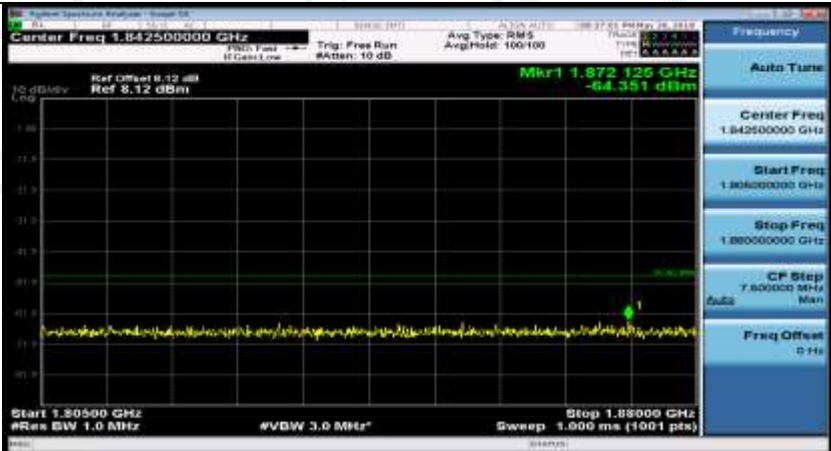
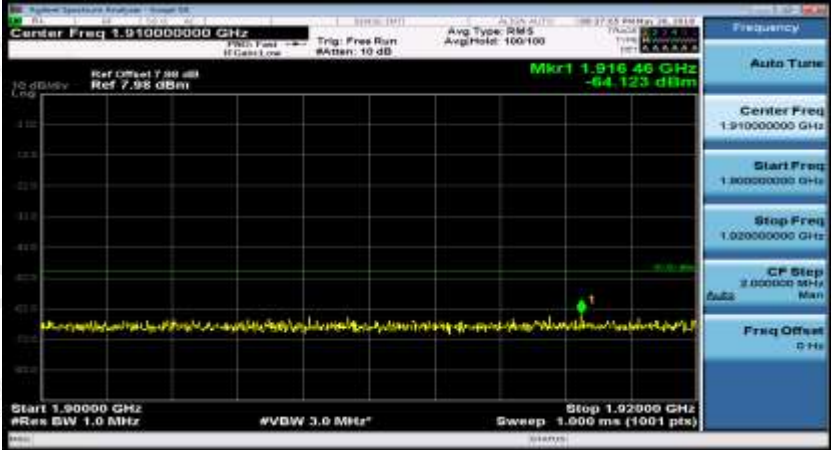
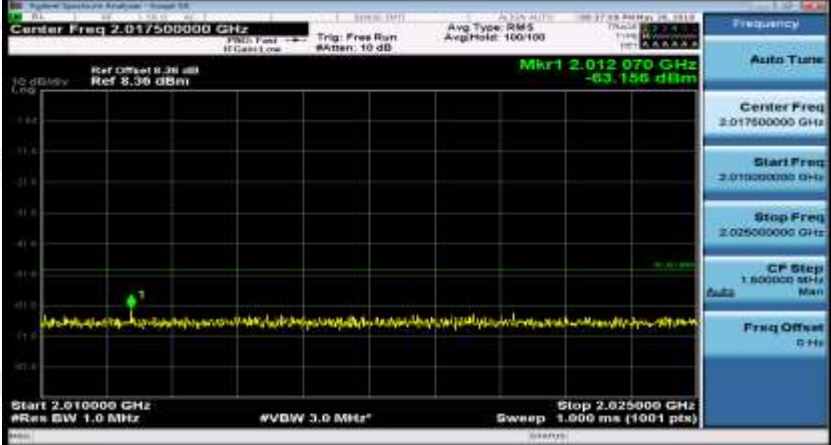
General			
General			
General			

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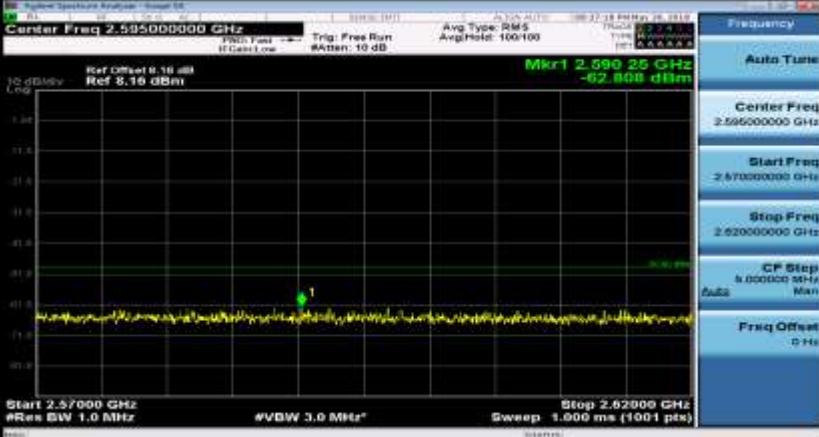
General			
Co-existence			
Co-existence			

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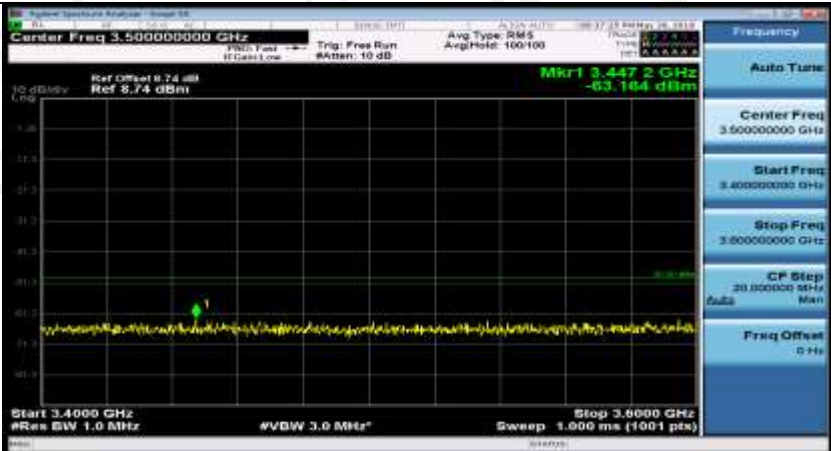
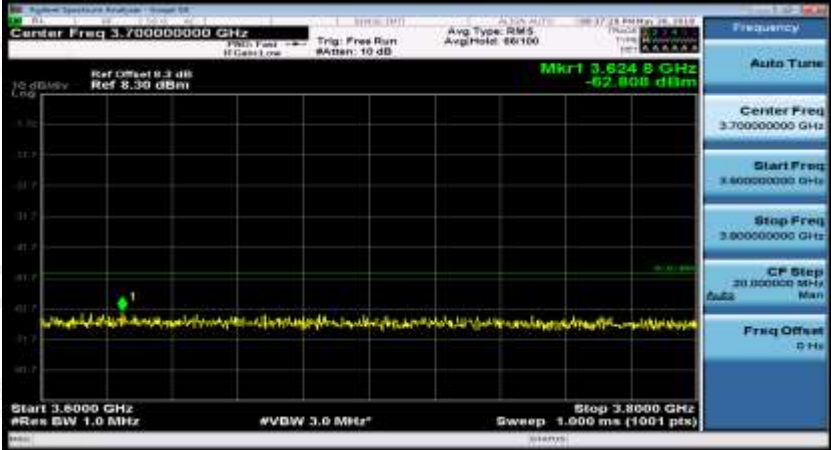
Co-existence	
Co-existence	
Co-existence	

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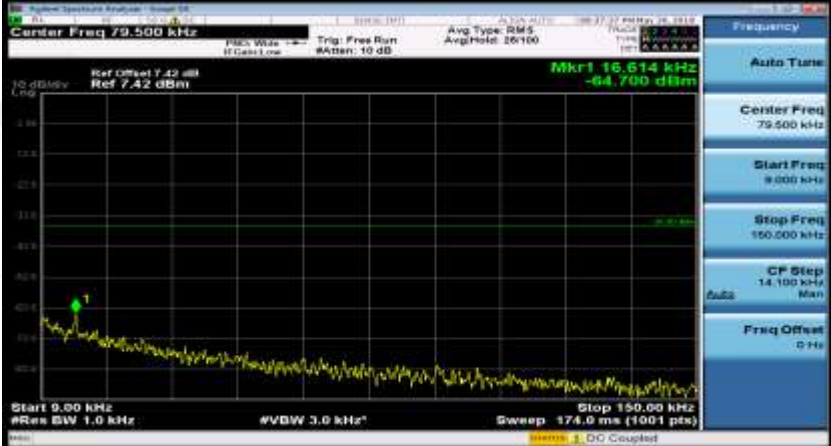
Co-existence			
Co-existence			
Co-existence			

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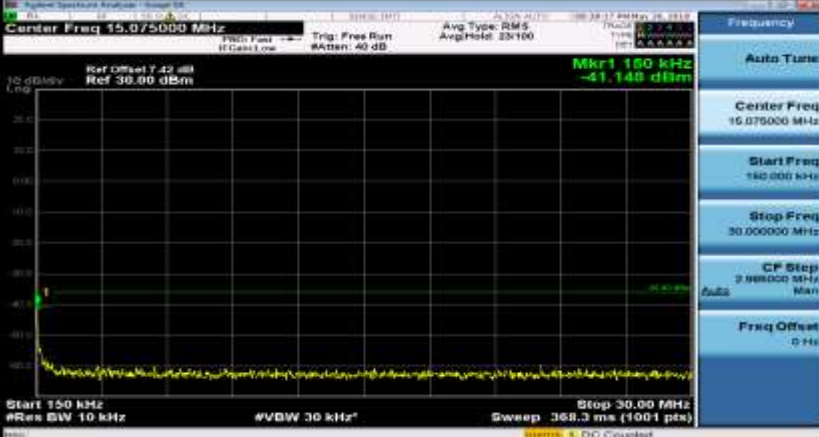
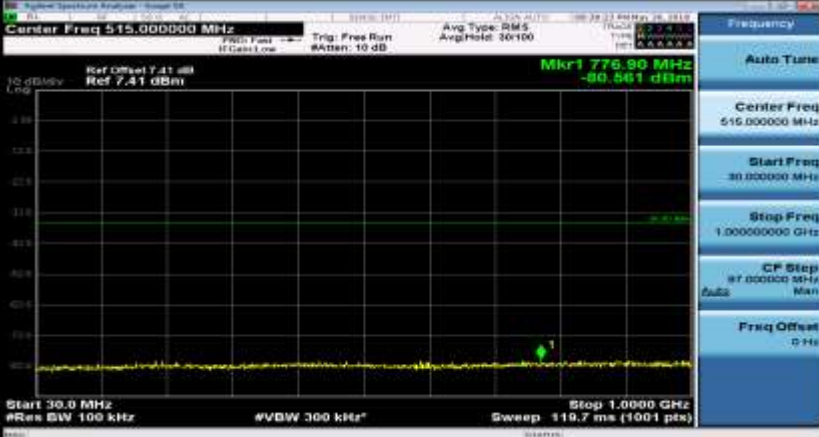
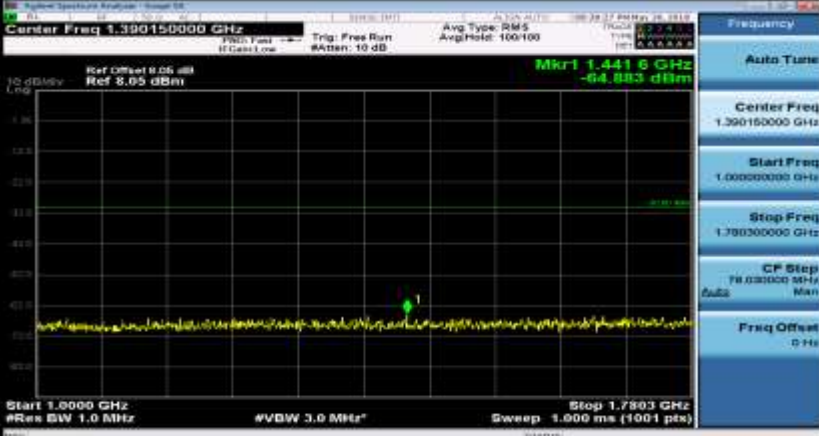


Co-existence	
Co-existence	
Additional	NA

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



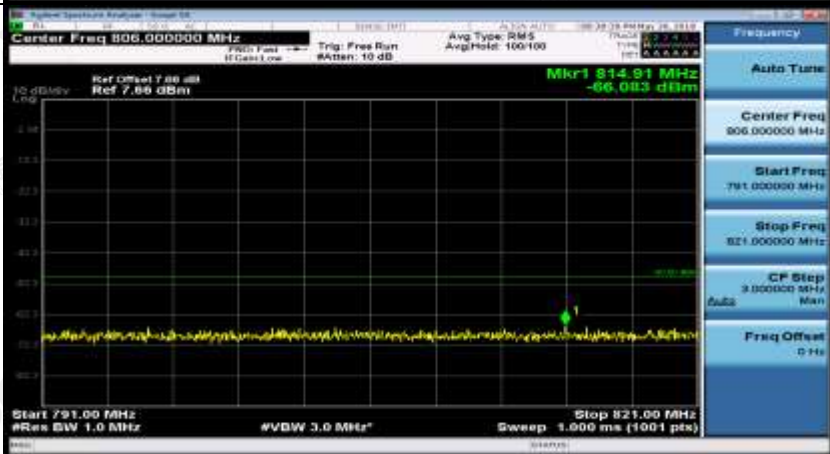
General	
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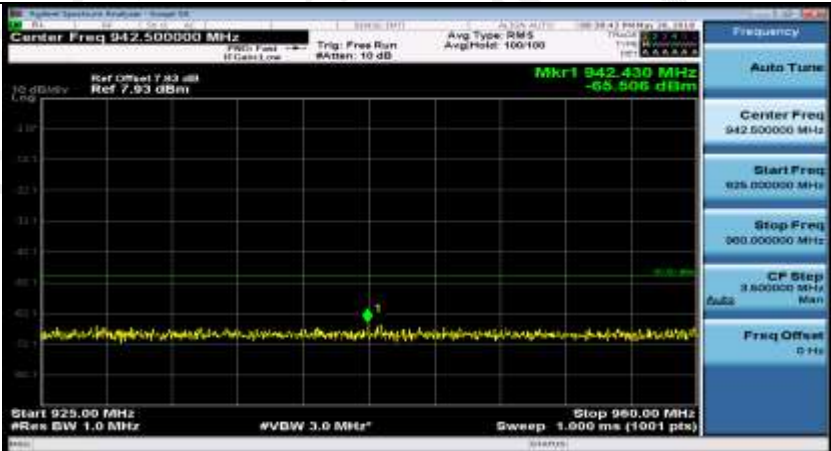
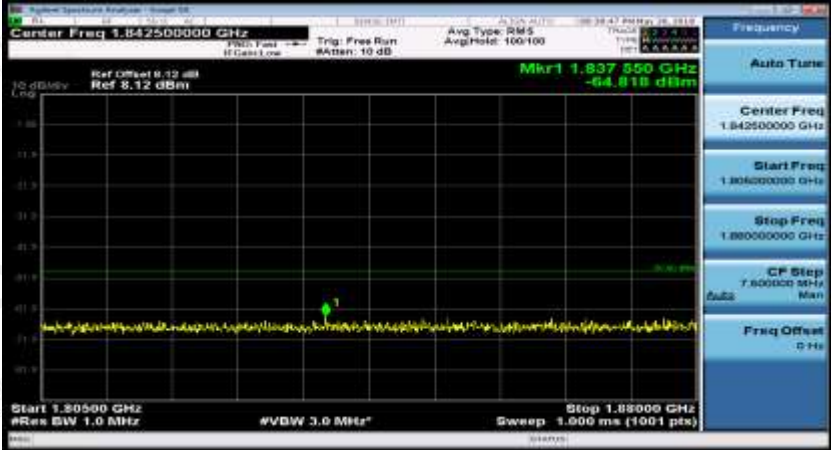
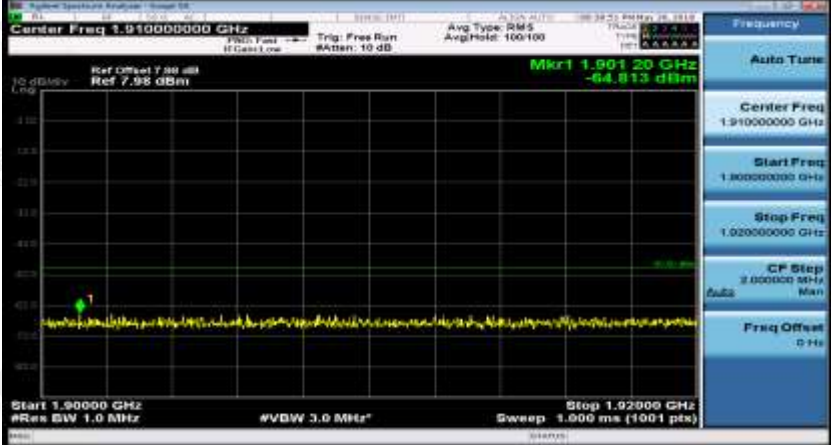
General			
General			
General			

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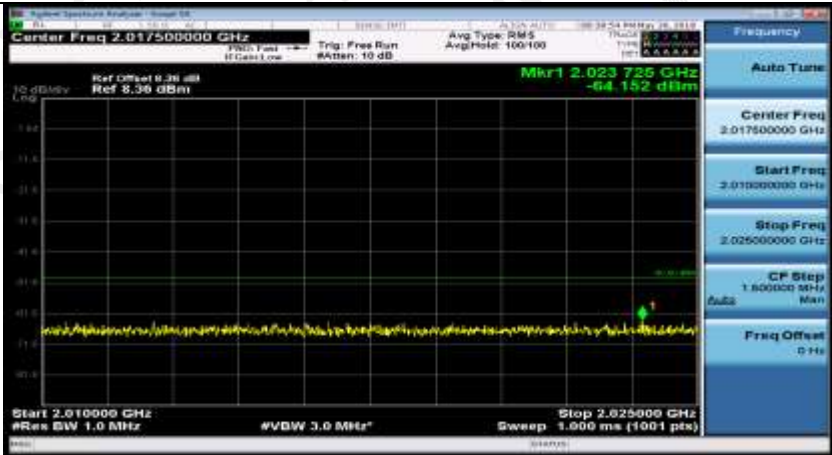

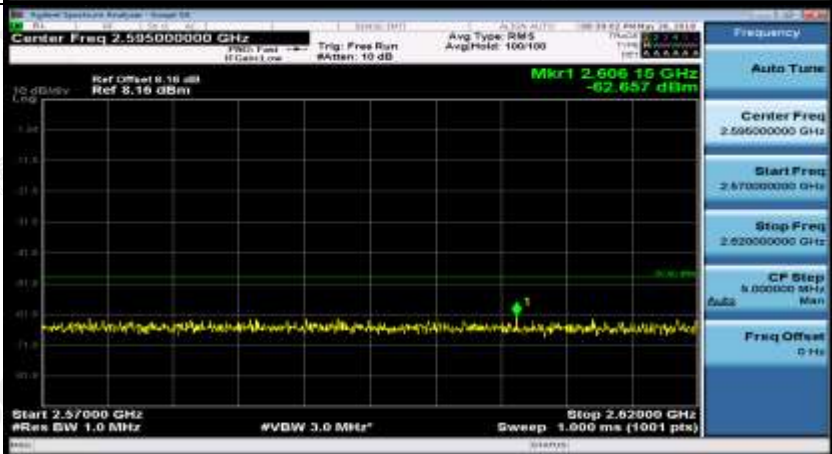
General		 <p>Center Freq 3.394150000 GHz Start 1.788 GHz Stop 5.000 GHz #VBW 3.0 MHz Sweep 5.400 ms (1001 pts)</p>	
General		 <p>Center Freq 8.875000000 GHz Start 5.000 GHz Stop 12.750 GHz #VBW 3.0 MHz Sweep 12.93 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 806.000000 MHz Start 791.00 MHz Stop 821.00 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>	

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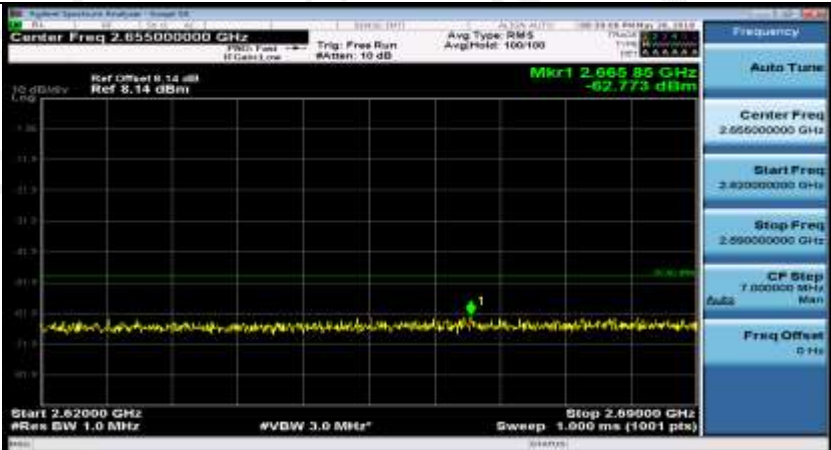
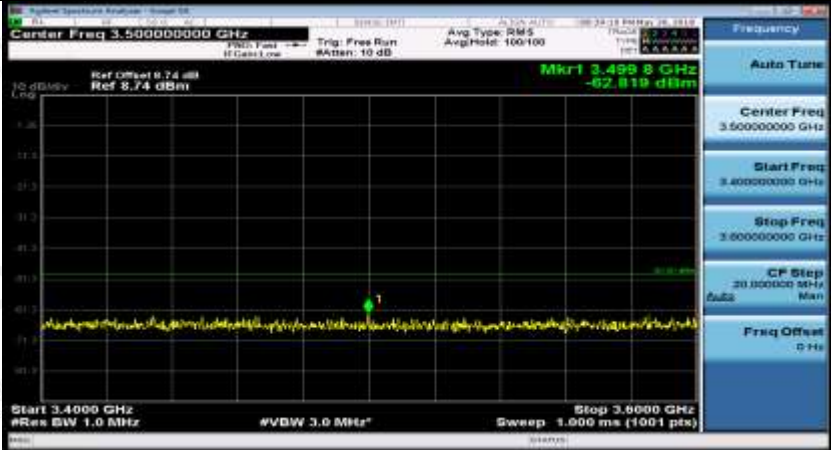
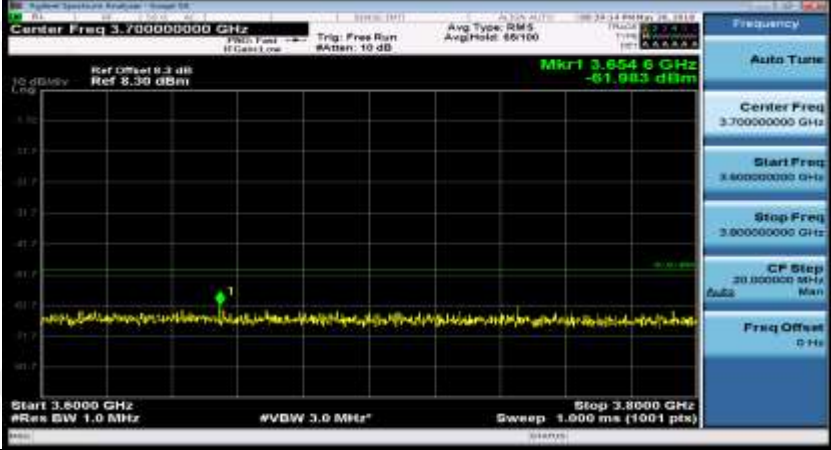
Co-existence	
Co-existence	
Co-existence	

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Co-existence		 <p>Center Freq 2.017500000 GHz Mkr1 2.023725 GHz -64.152 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>Center Freq 2.140000000 GHz Mkr1 2.14912 GHz -63.996 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>Center Freq 2.595000000 GHz Mkr1 2.60616 GHz -62.657 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>	

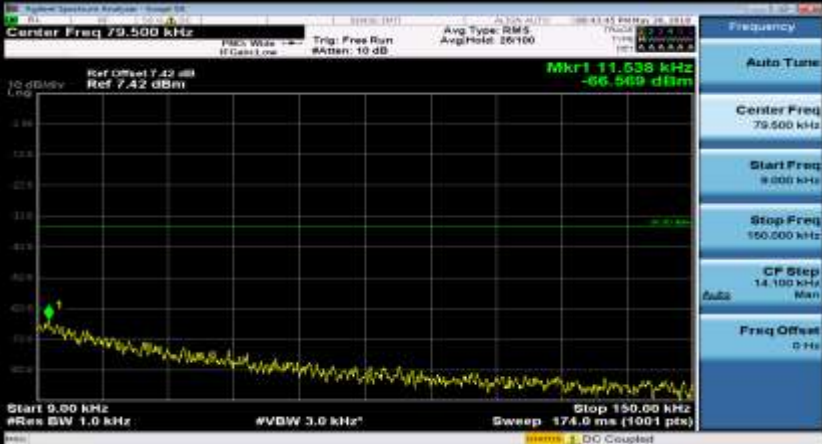

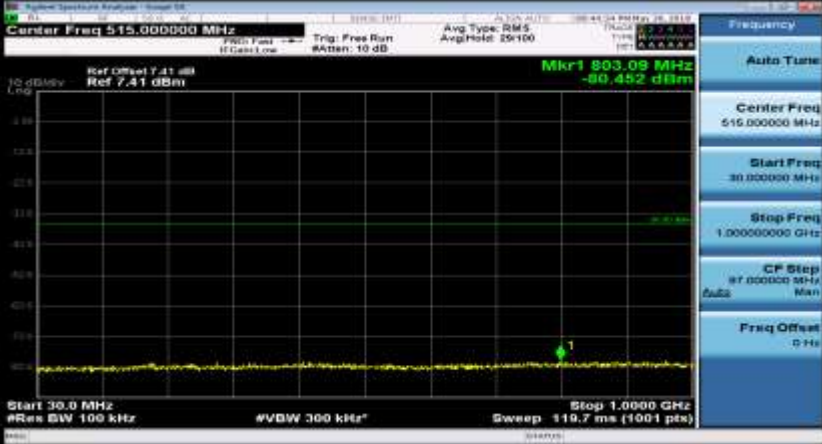
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

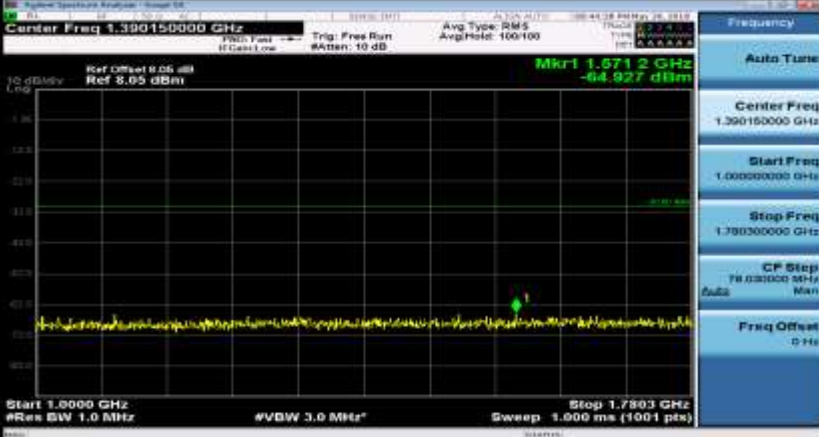


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Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_FullRB#0

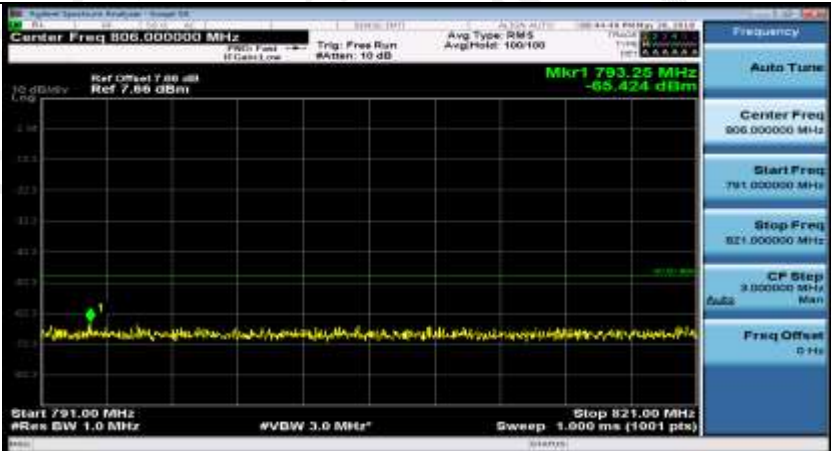
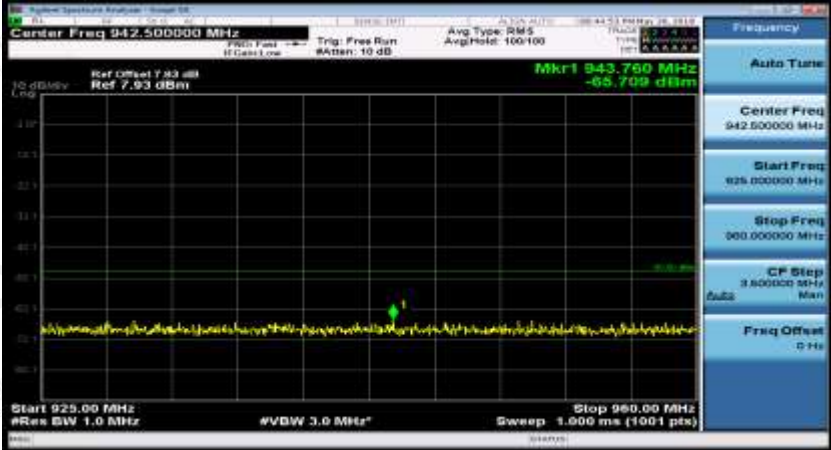
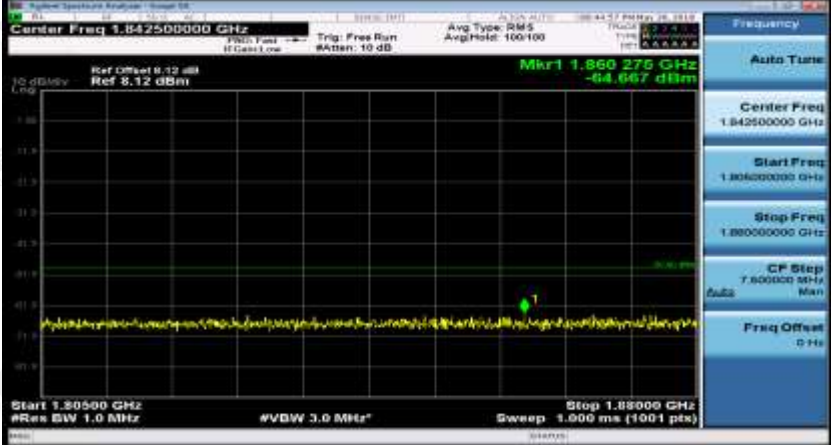
General		
General		
General		

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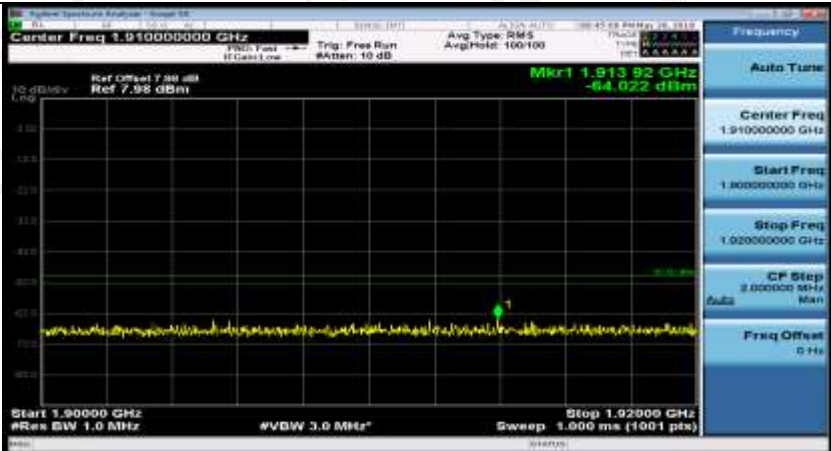
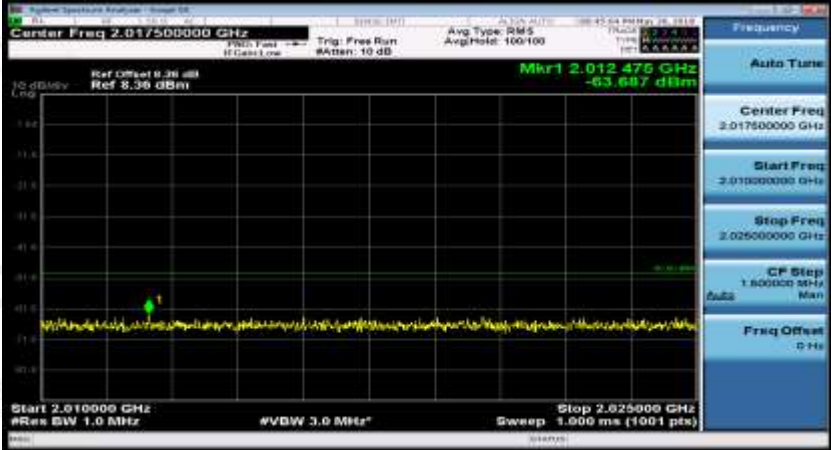
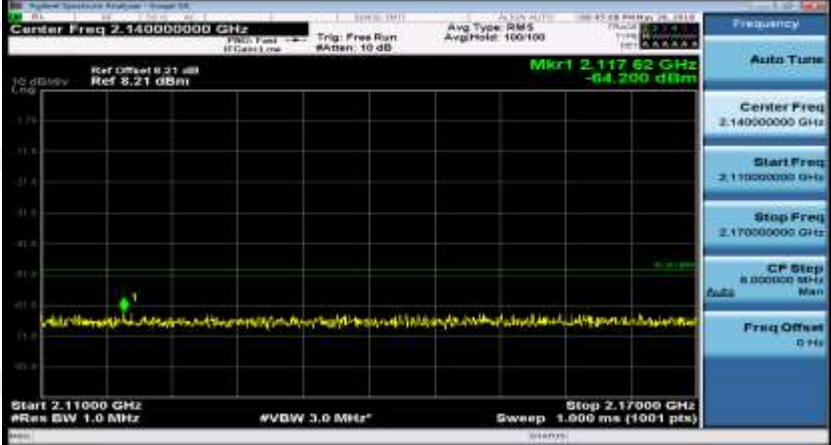
General			
General			
General			

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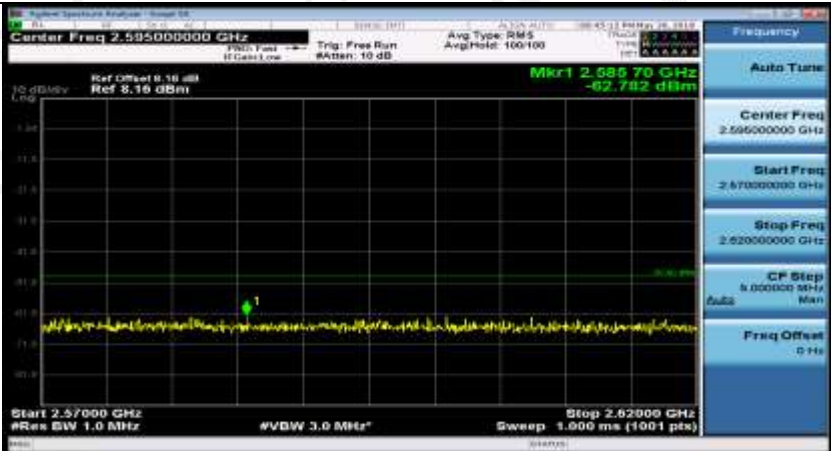
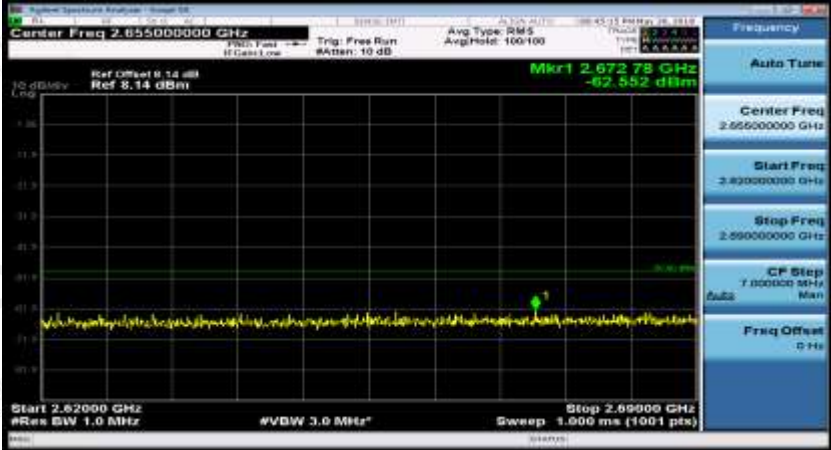
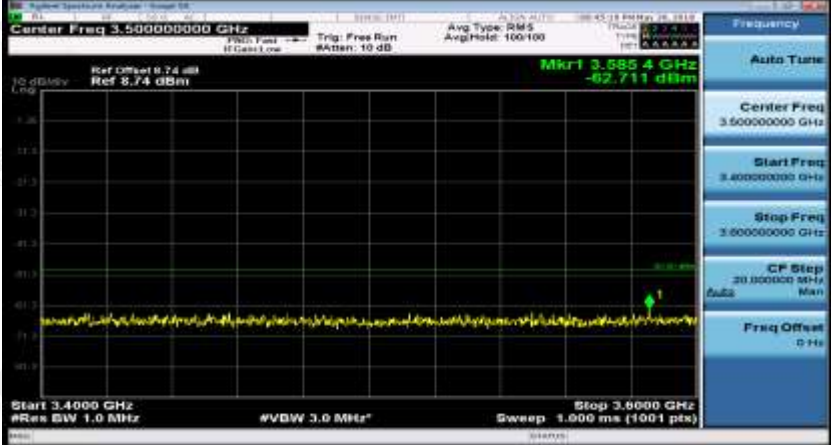
Co-existence	
Co-existence	
Co-existence	

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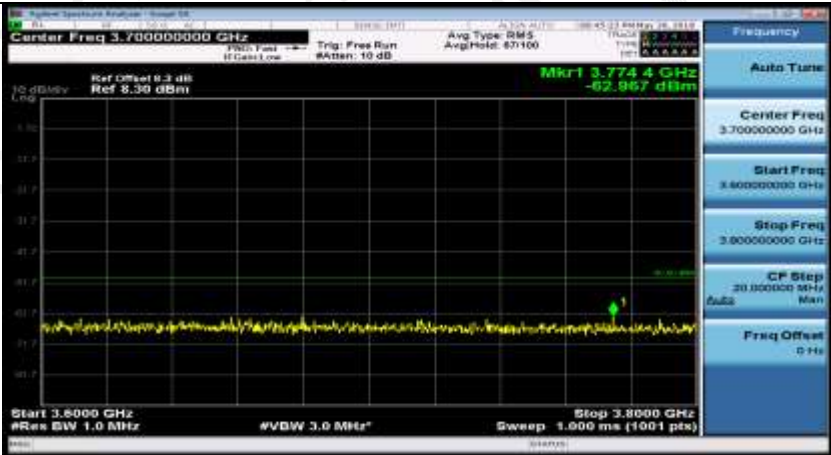
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Additional	NA

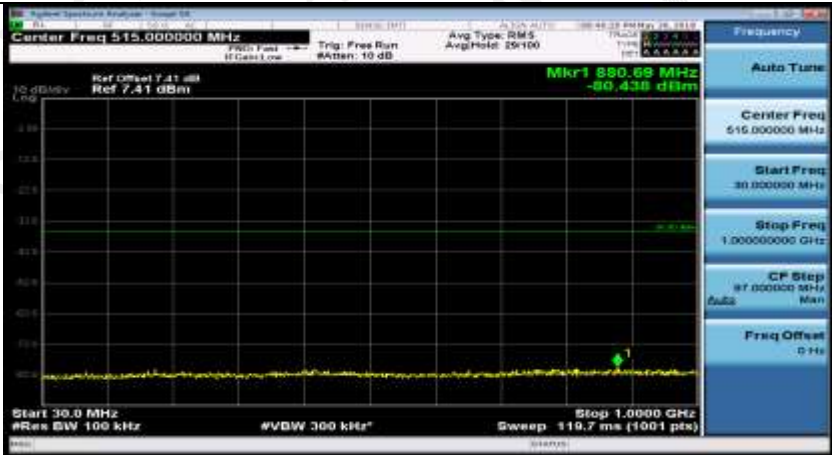
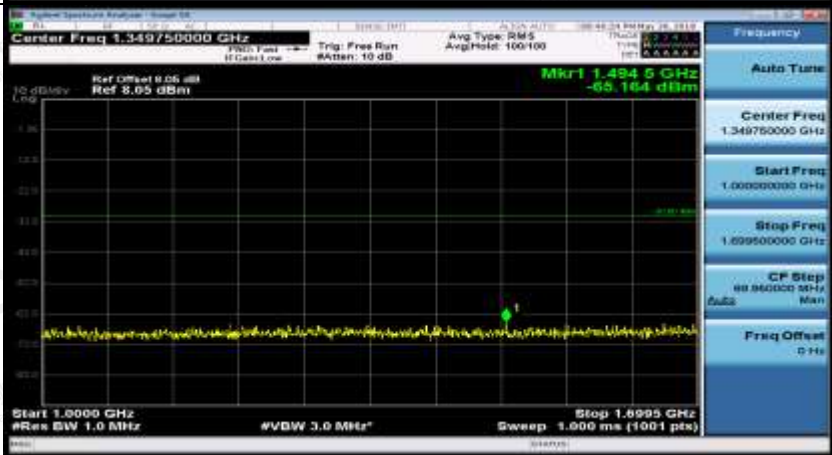

**Channel Bandwidth= (5 MHz)**

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


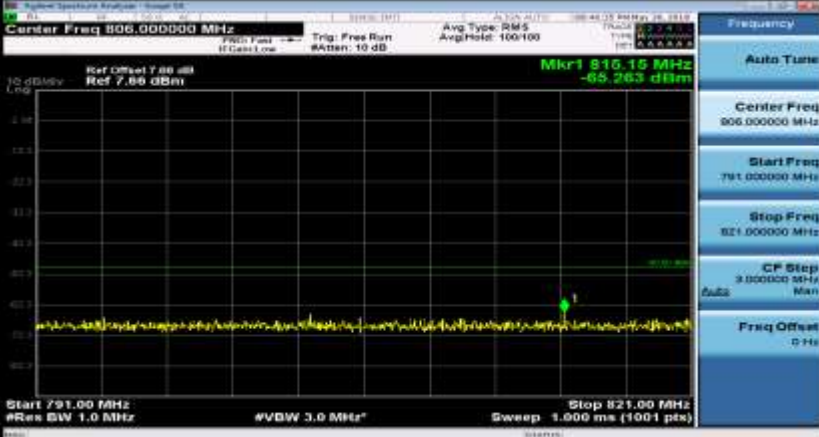
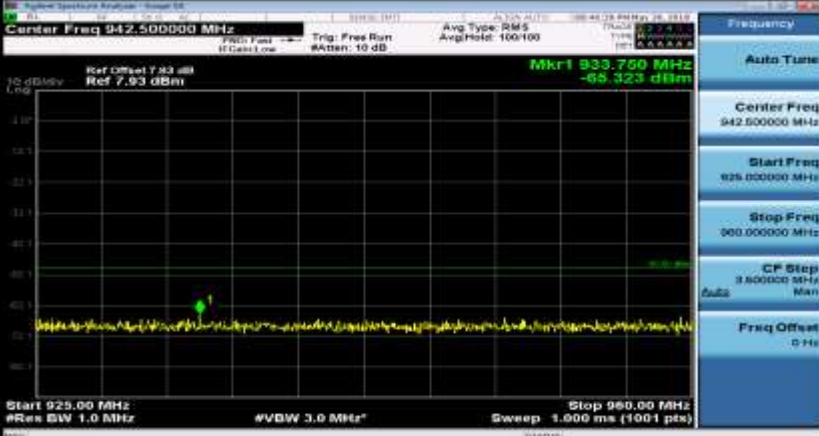
General	
General	

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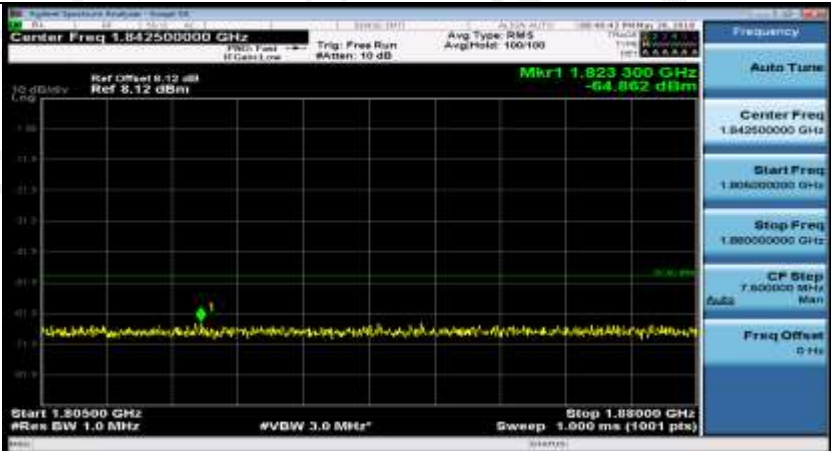
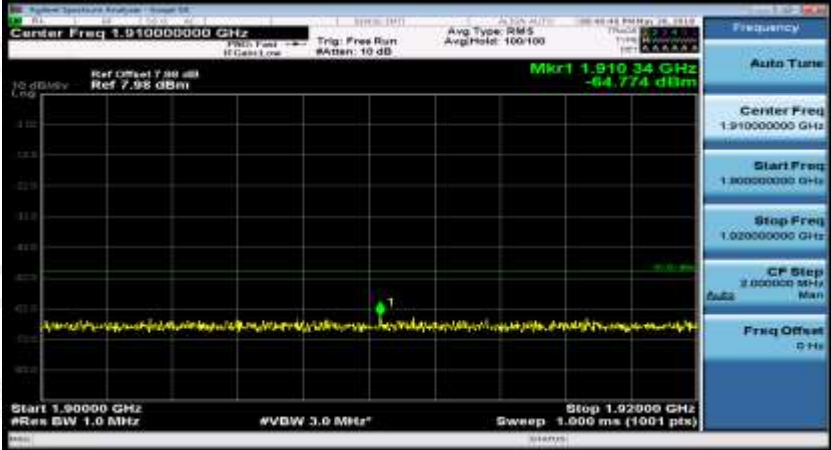
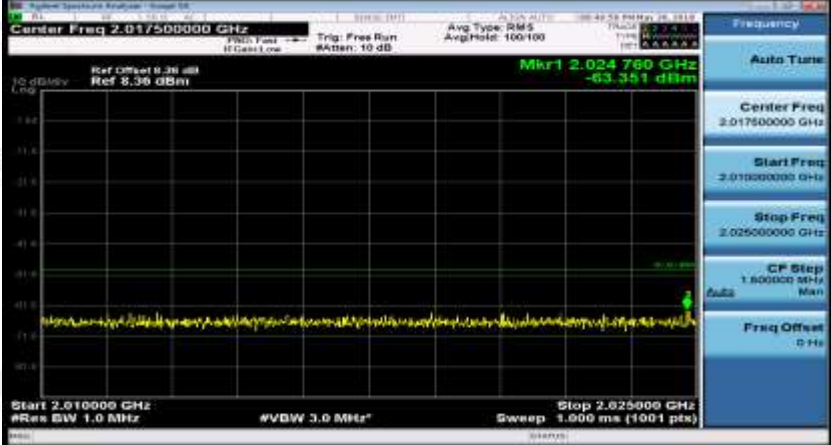
General			
General			
General			

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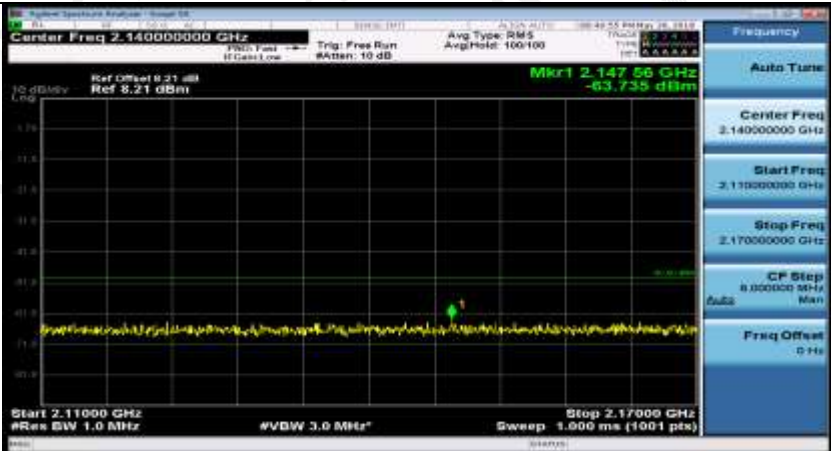
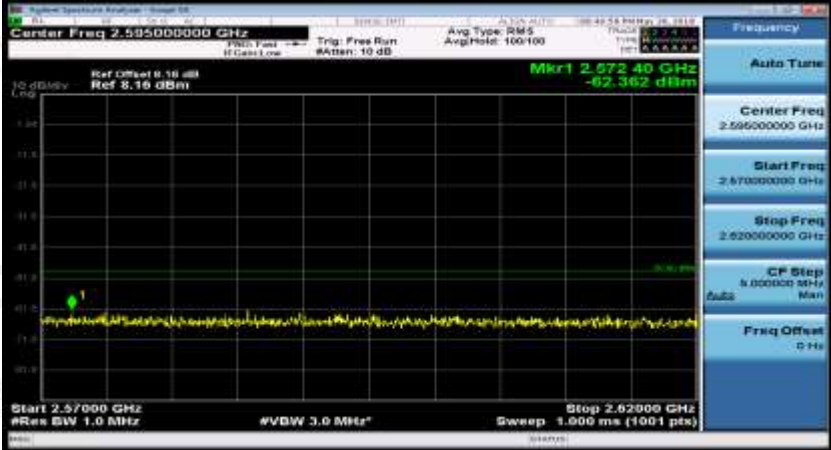
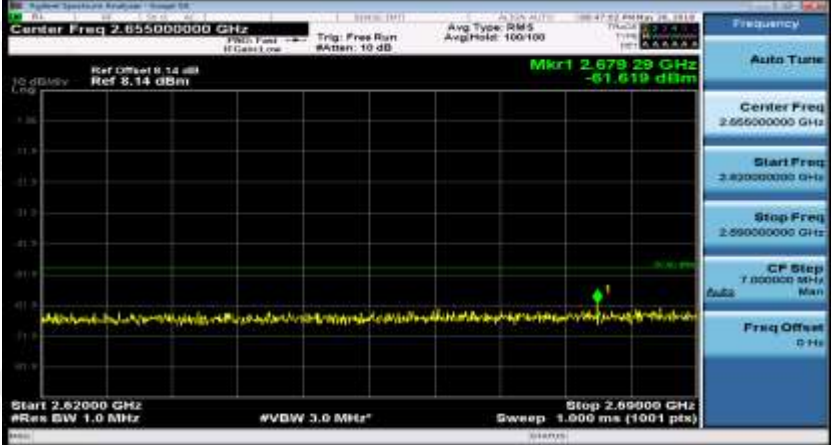
General			
Co-existence			
Co-existence			

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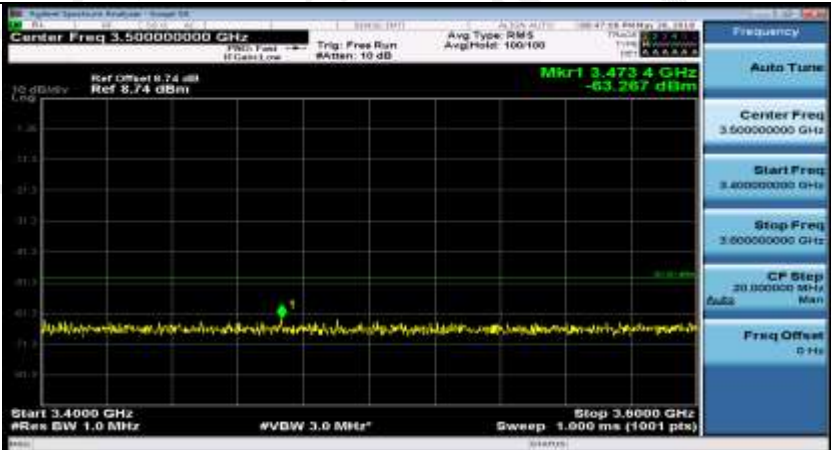
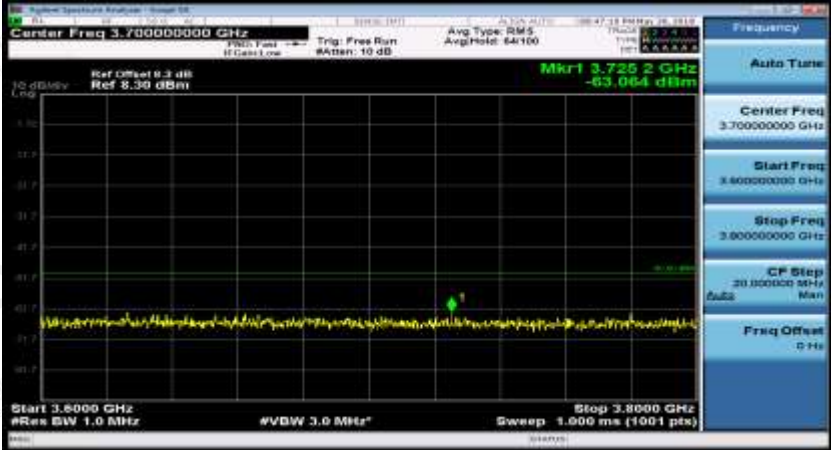
Co-existence	
Co-existence	
Co-existence	


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Co-existence	
Co-existence	
Co-existence	

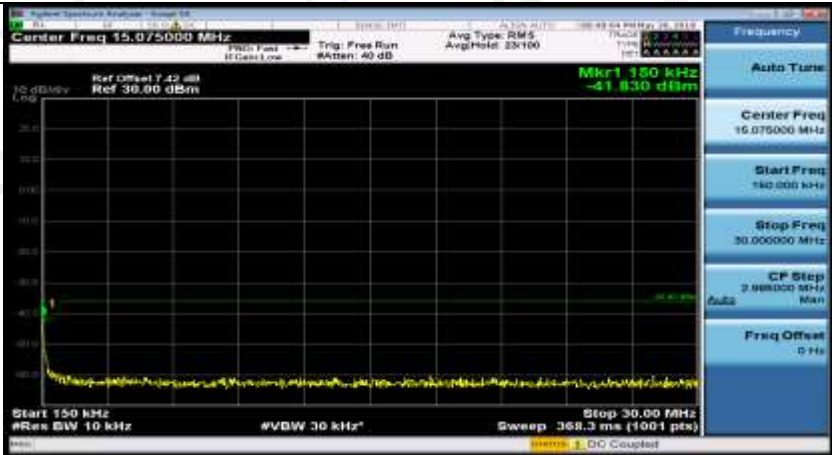
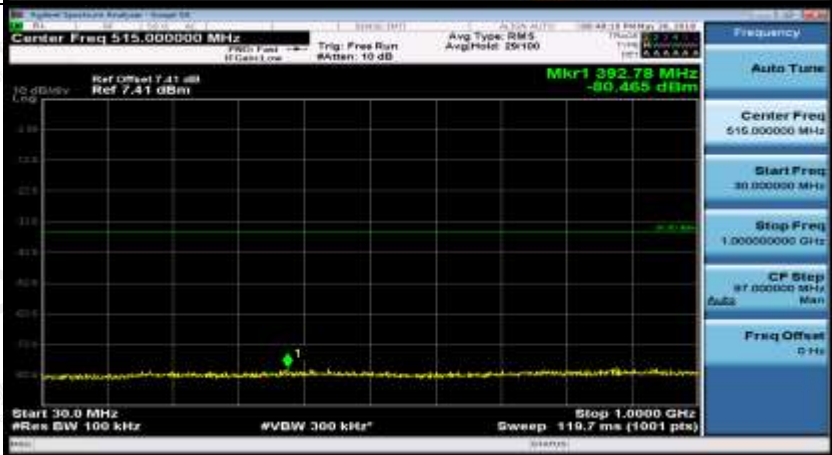
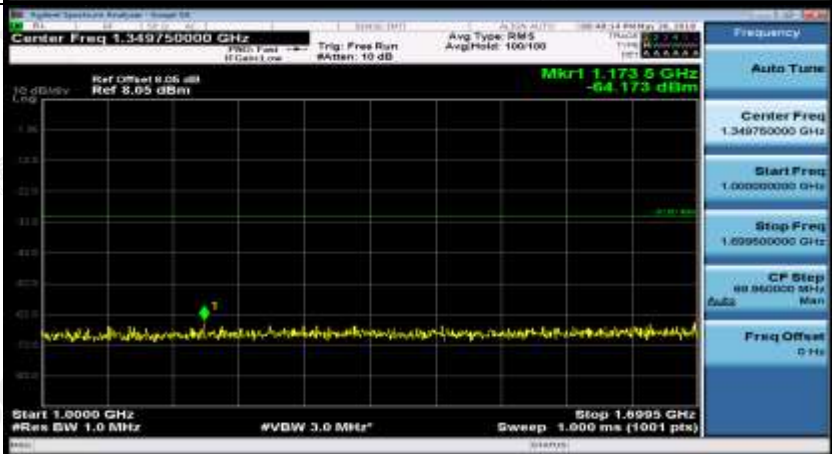
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Co-existence	
Co-existence	
Additional	NA



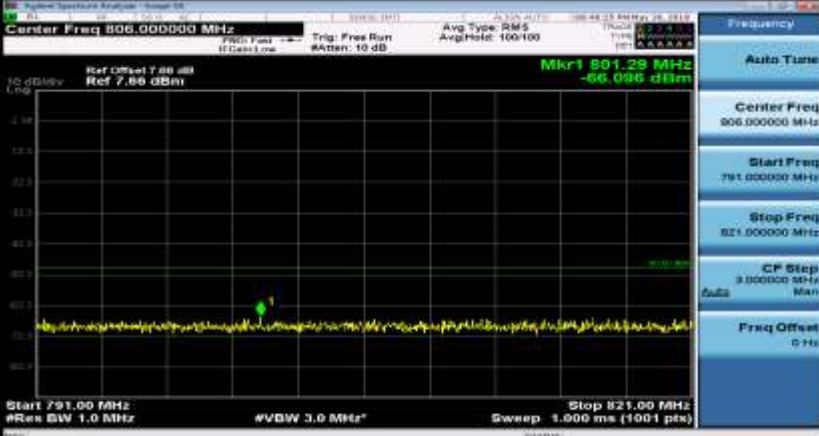
Channel Bandwidth= (5 MHz)_QPSK_LCH_1RB#max	
General	

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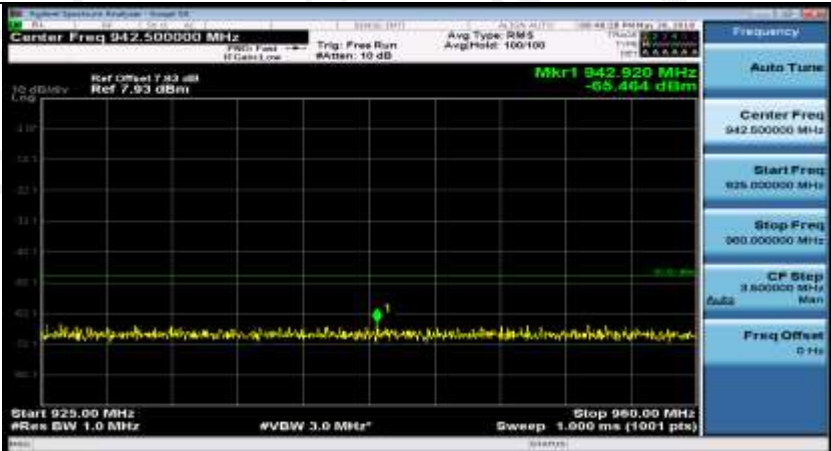
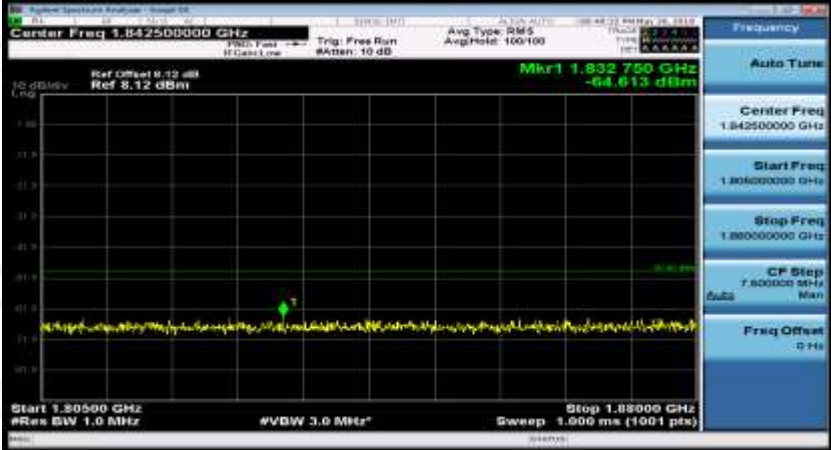
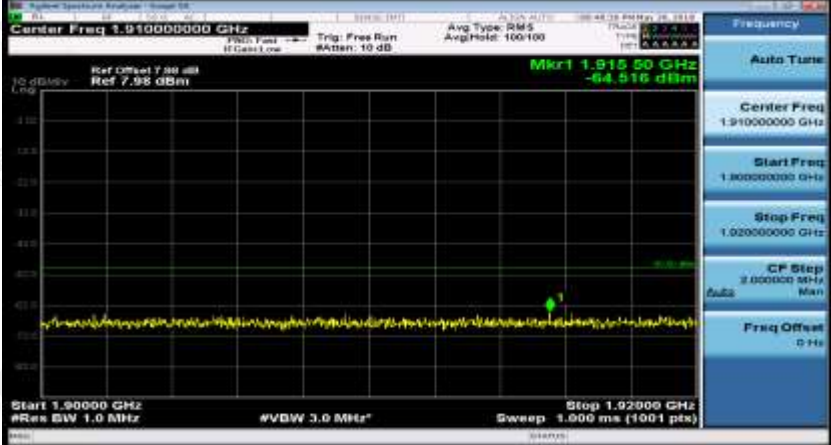
General			
General			
General			

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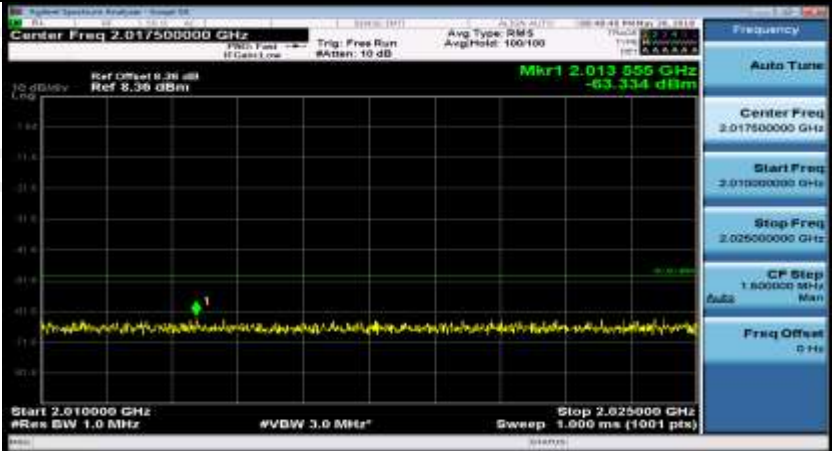
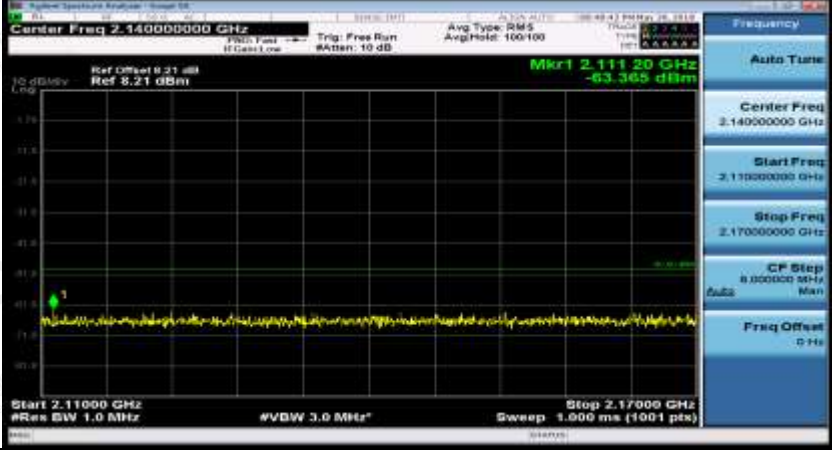

General			
General			
Co-existence			

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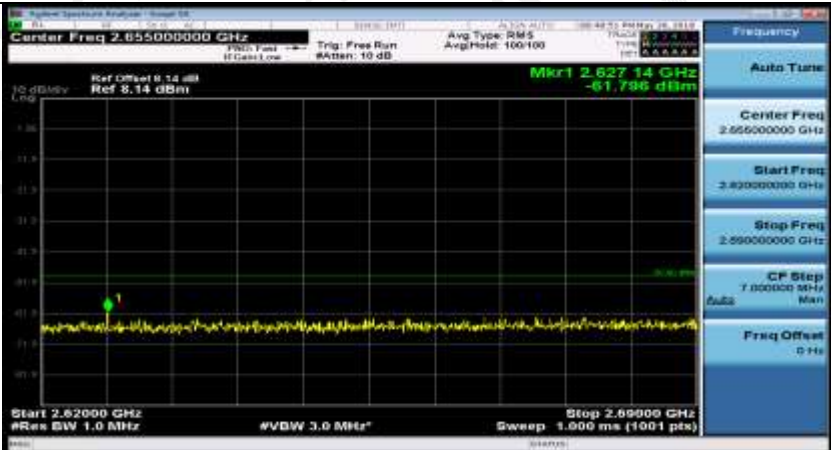
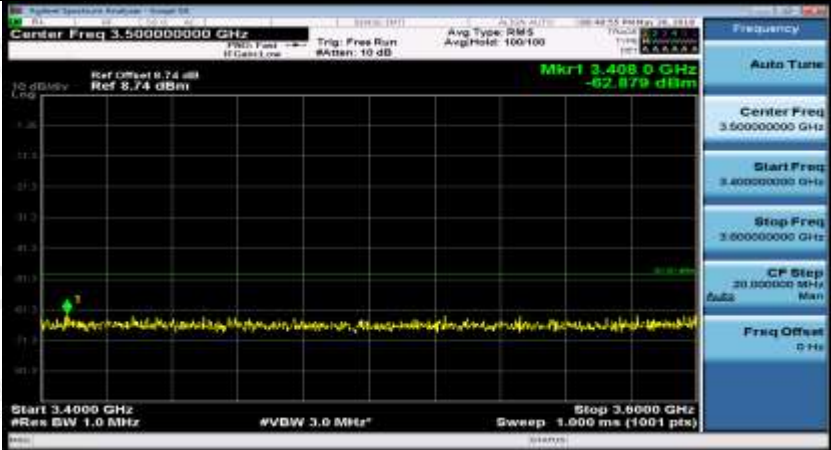
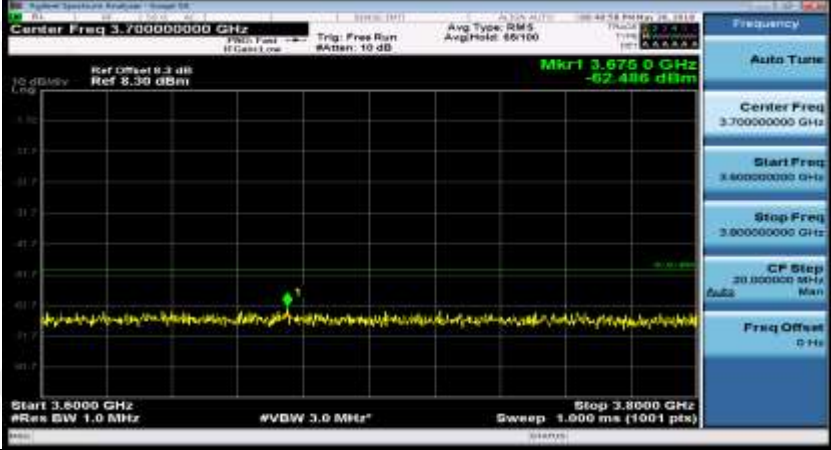
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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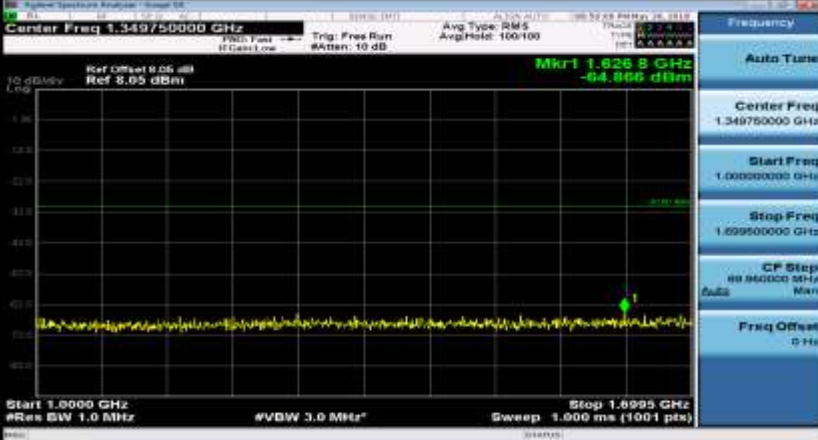

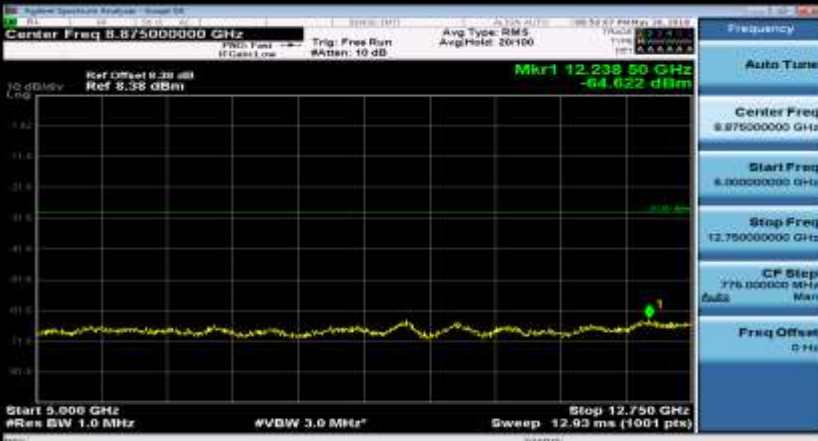
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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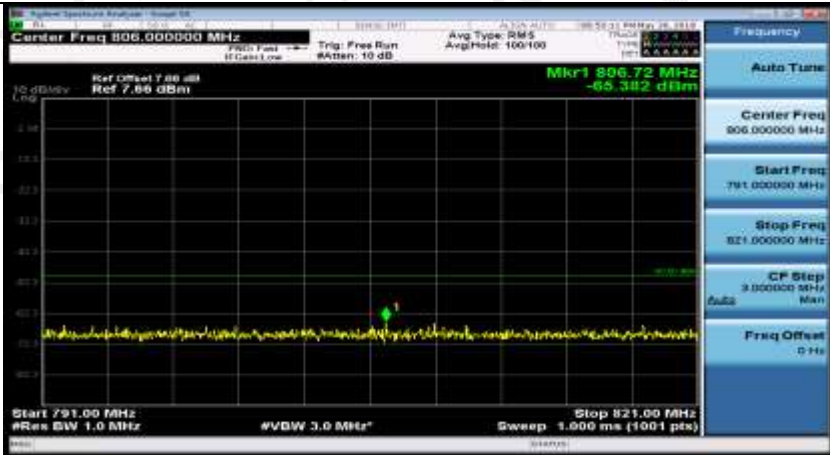
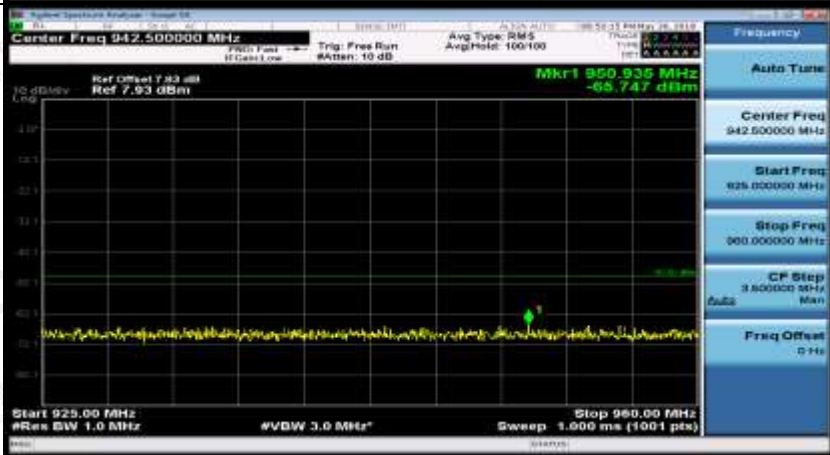
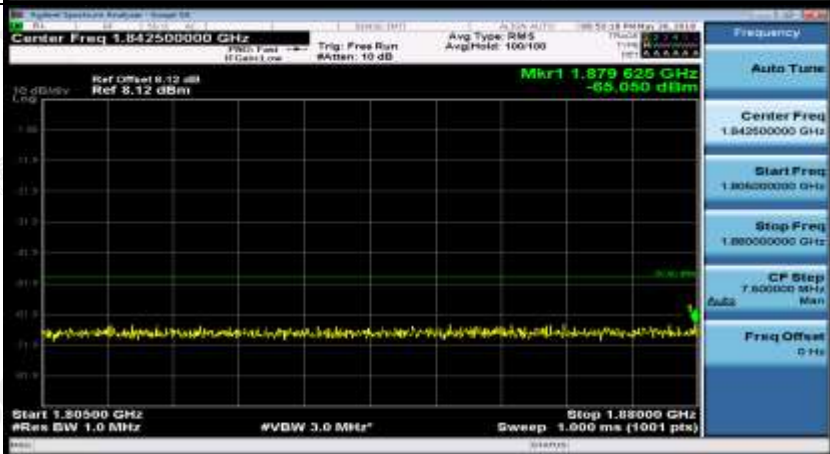
Channel Bandwidth= (5 MHz)_QPSK_LCH_FullRB#0		
General		
General		
General		

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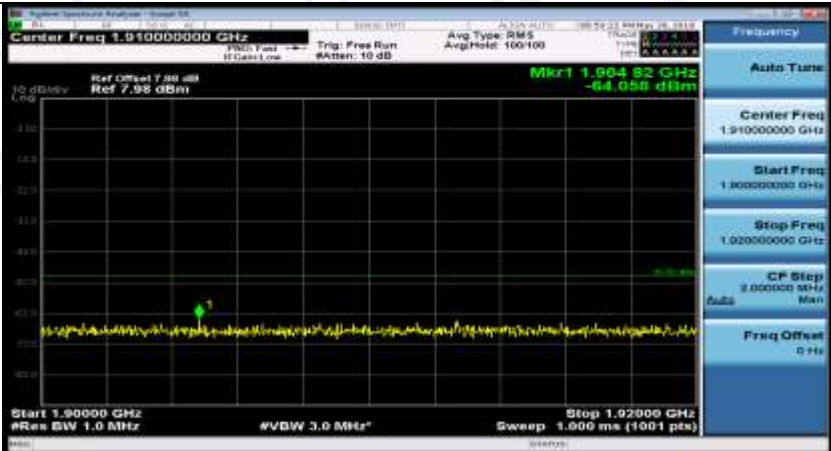
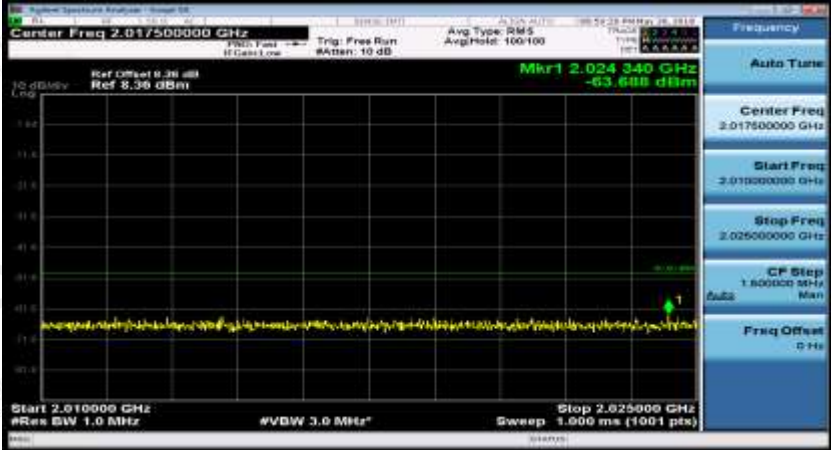
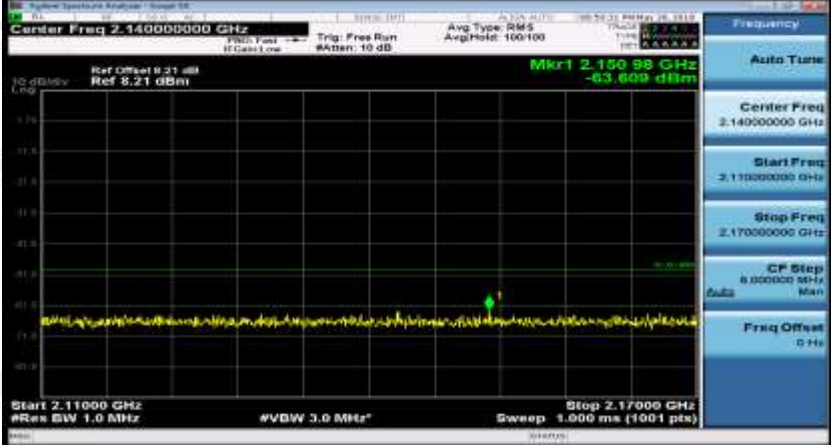
General			
General			
General			

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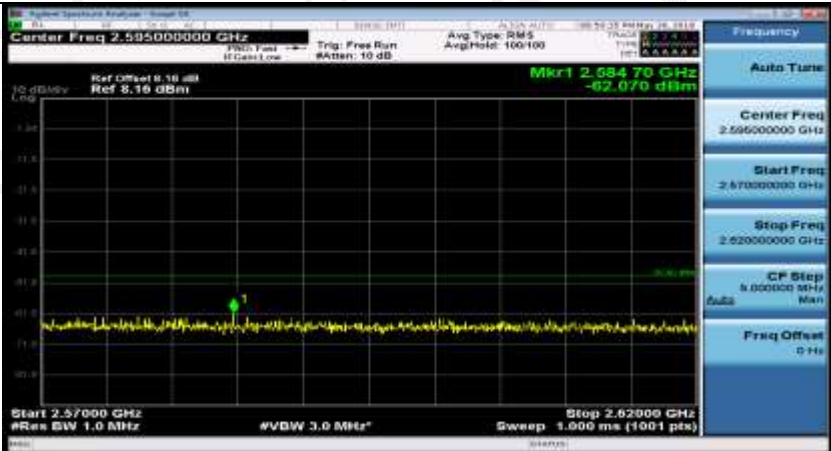

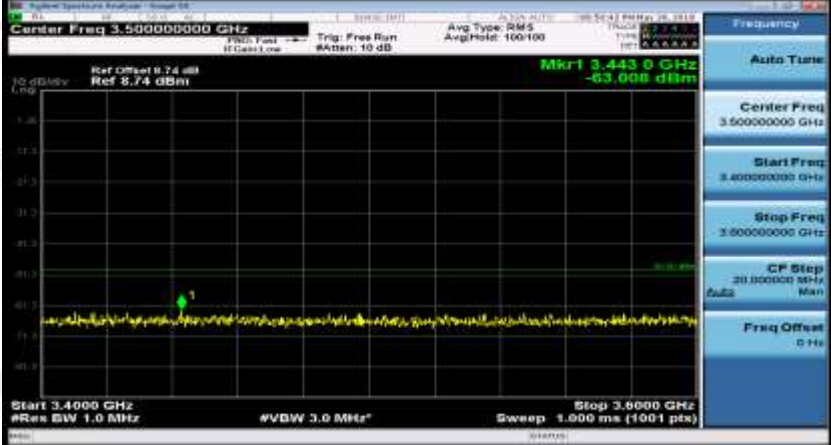
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

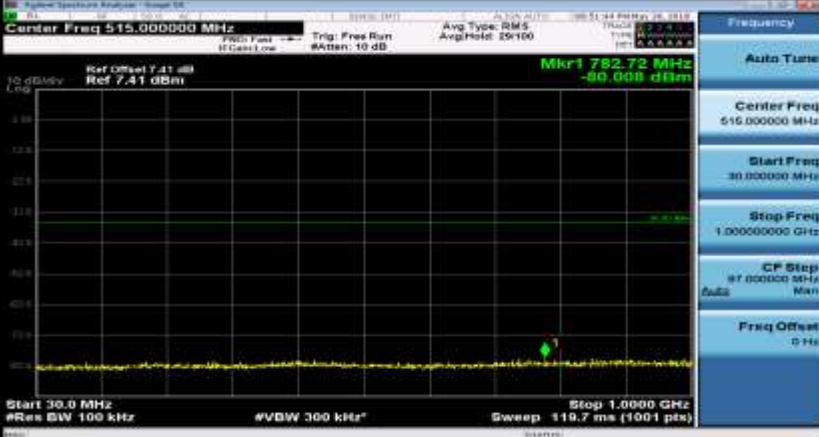
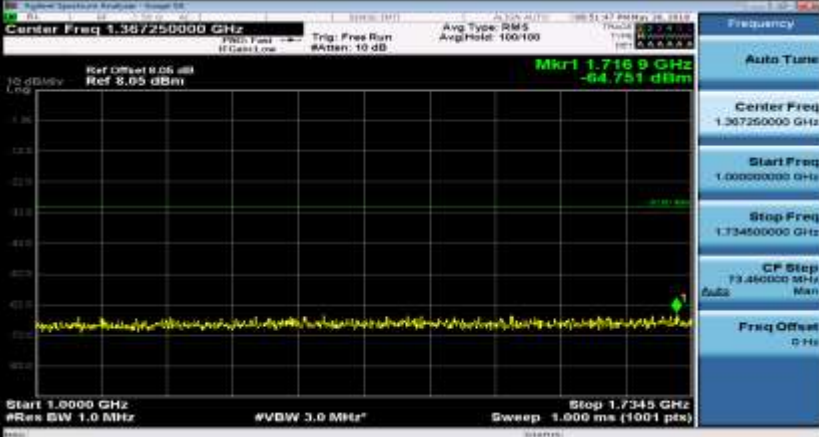

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Co-existence	
Additional	NA


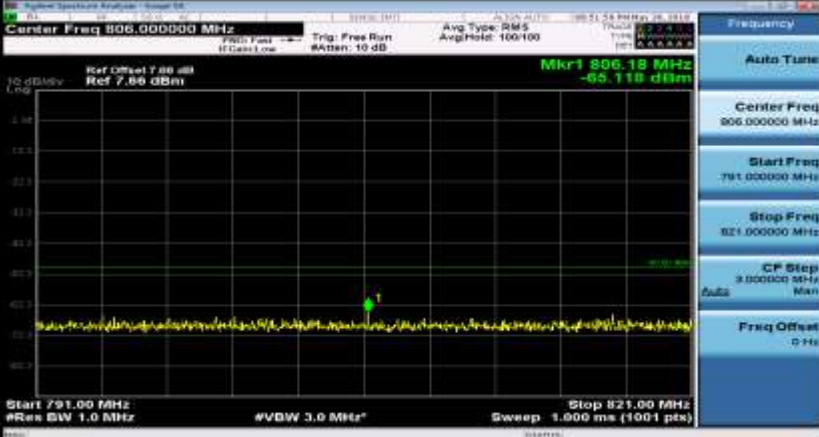
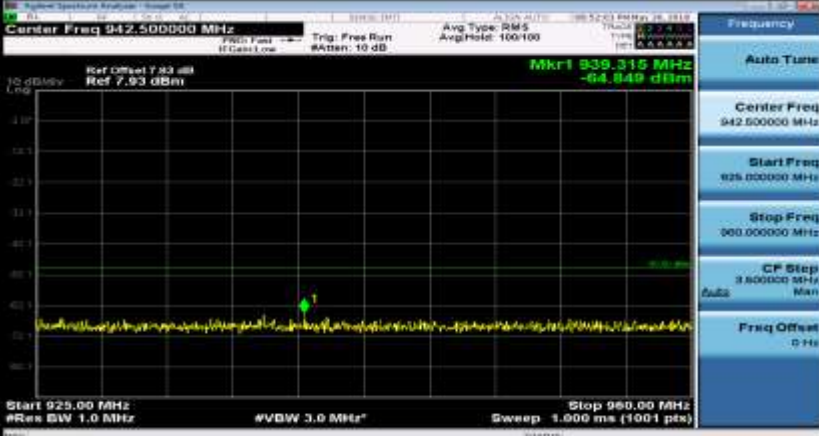
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	
General	

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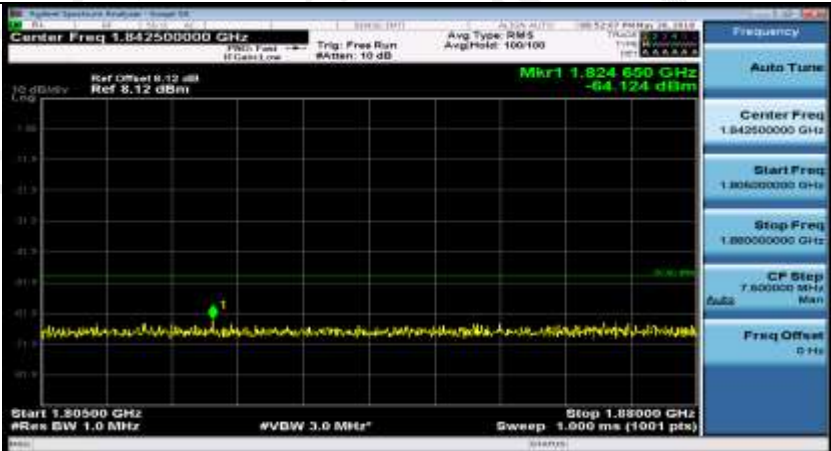
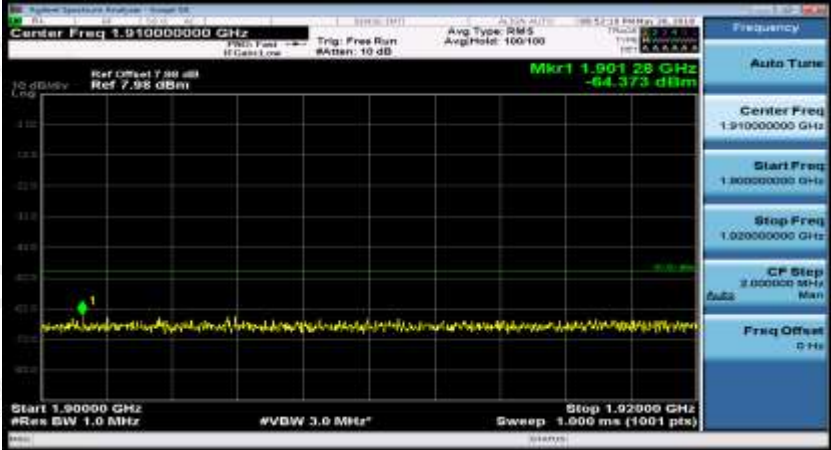
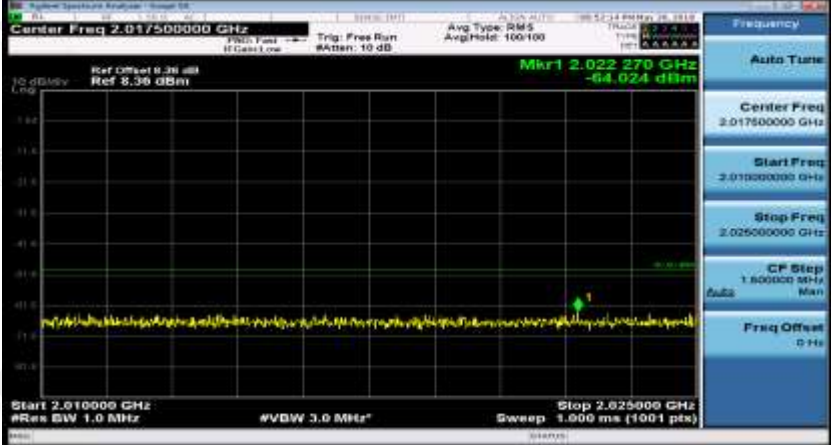
General			
General			
General			

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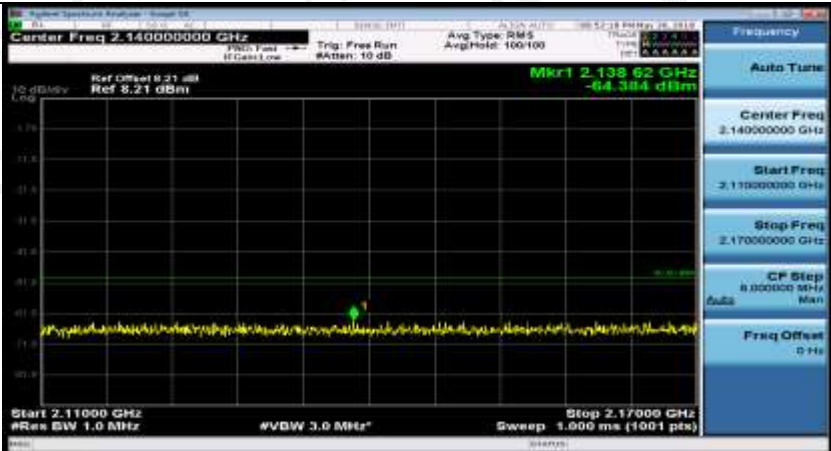
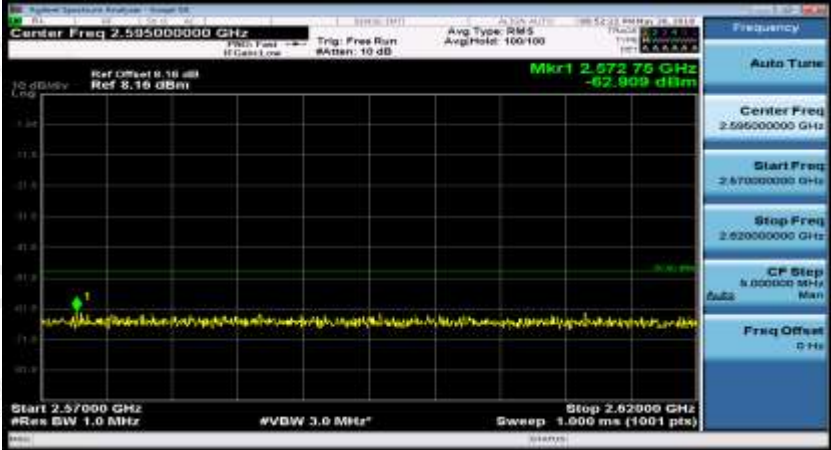
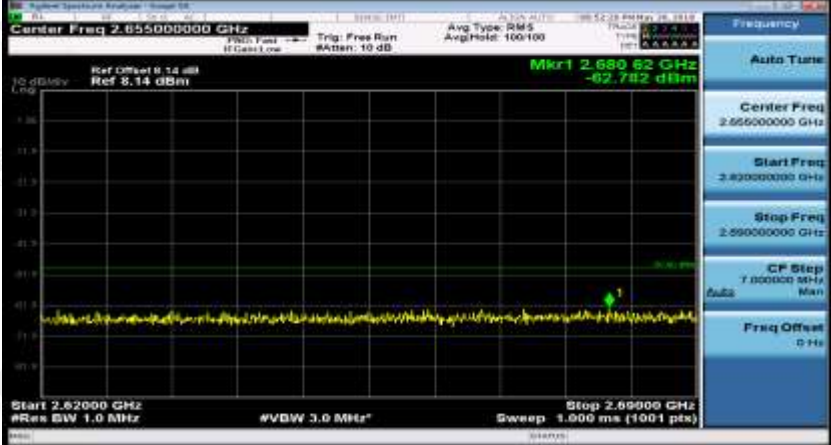
General			
Co-existence			
Co-existence			

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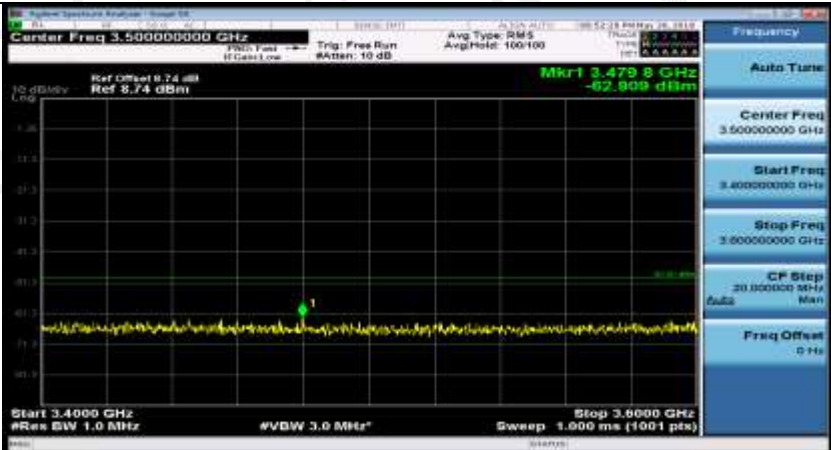
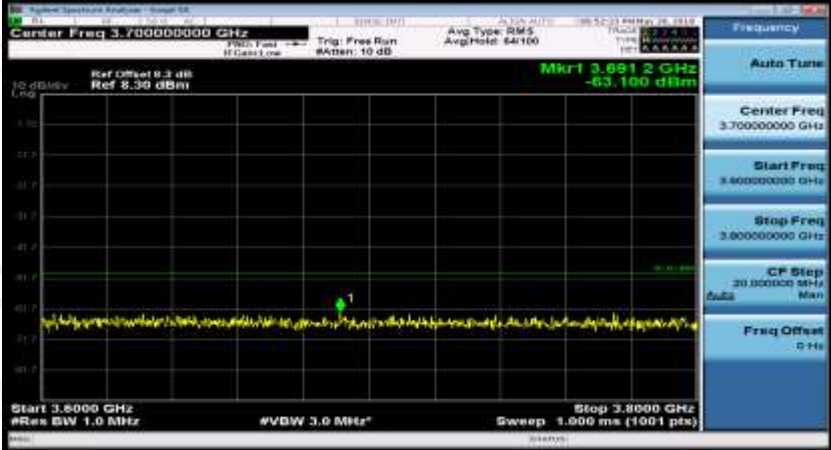
Co-existence	
Co-existence	
Co-existence	

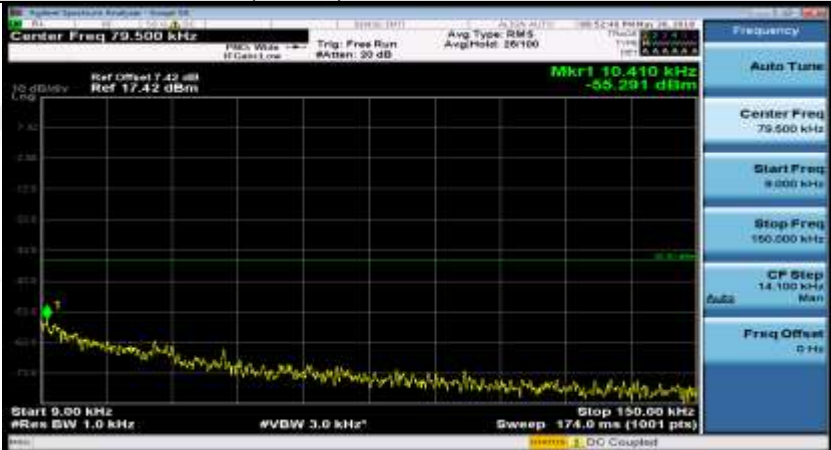
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

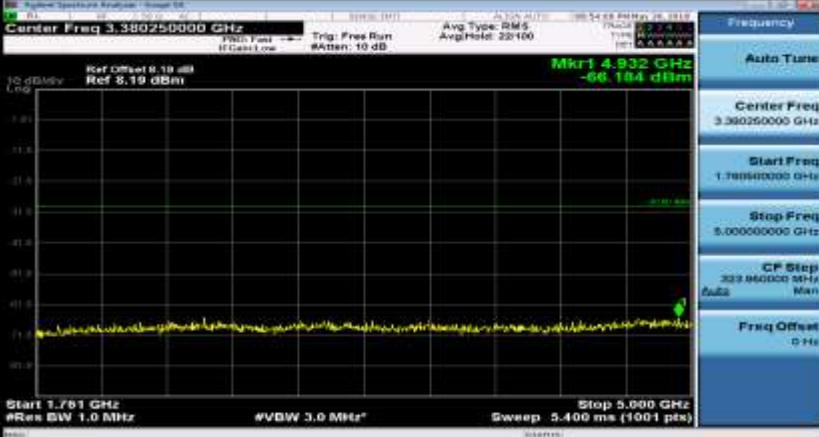

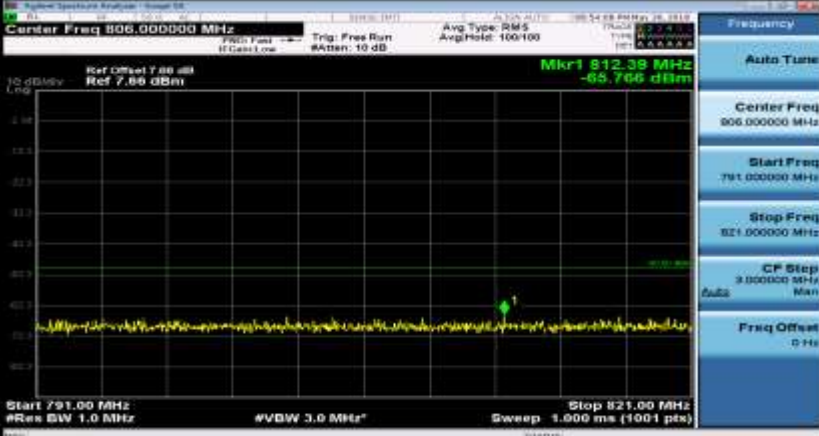
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#max	
General	

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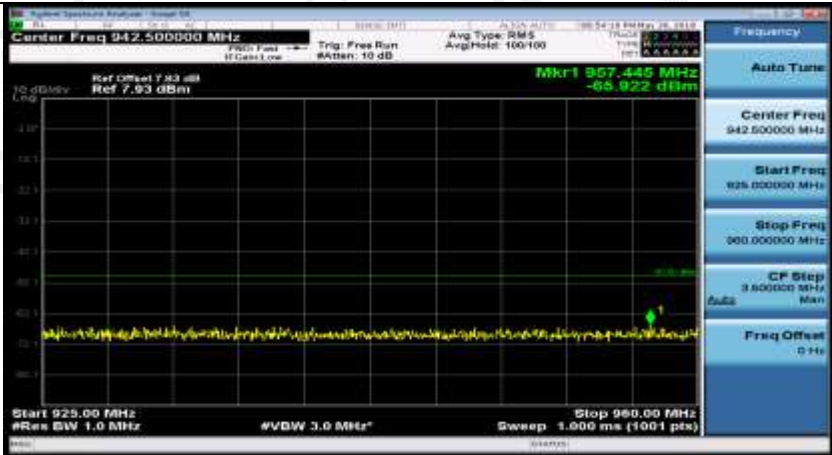
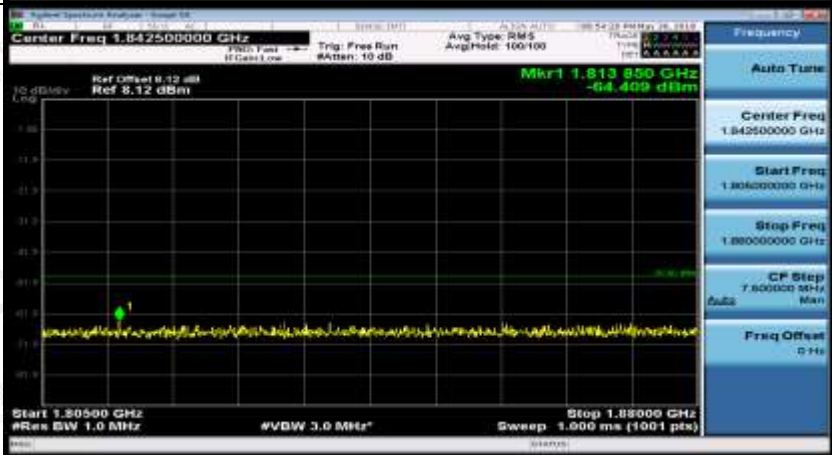
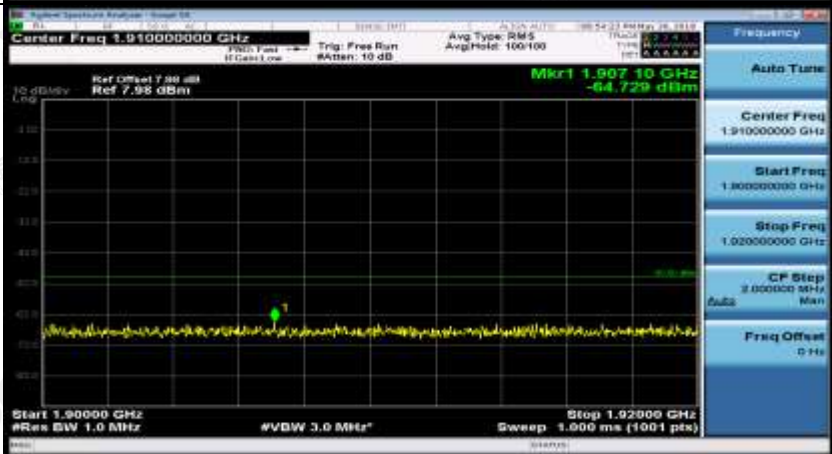
General			
General			
General			

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General			
General			
Co-existence			

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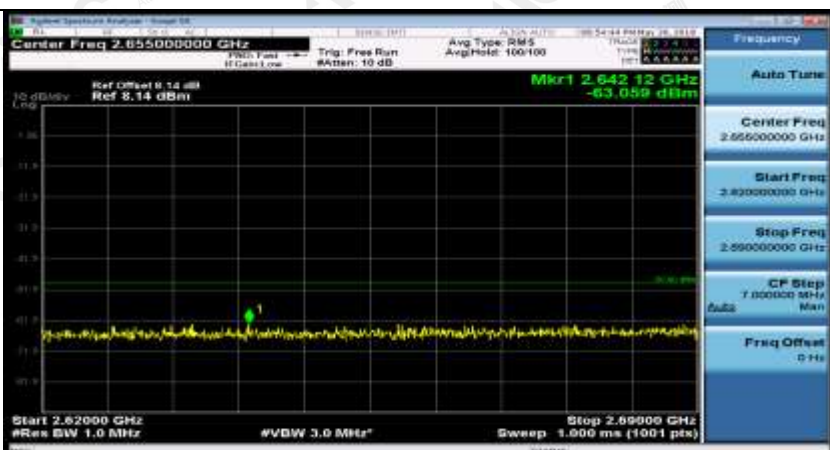


Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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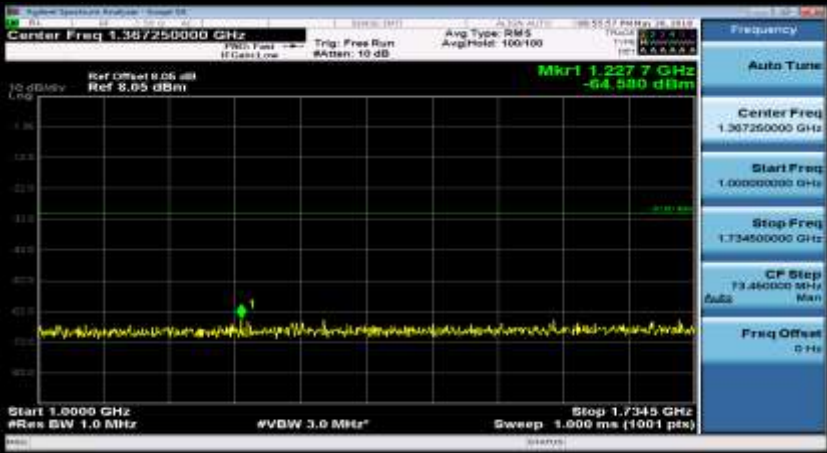


Co-existence		
Co-existence		
Co-existence		
Additional	NA	

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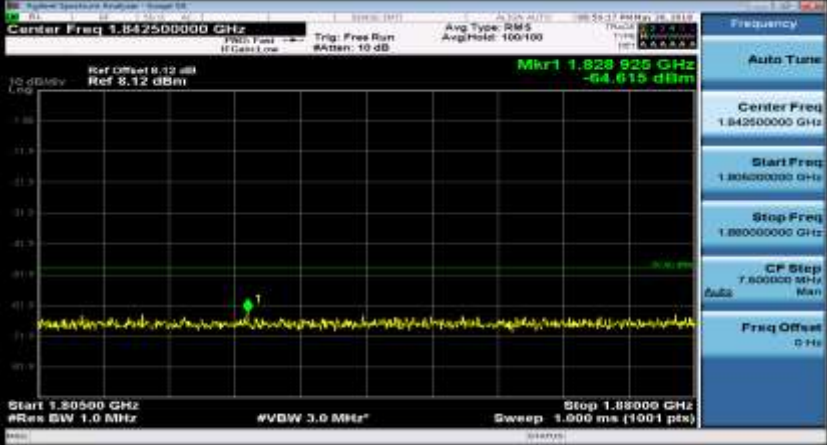
Channel Bandwidth= (5 MHz)_QPSK_MCH_FullIRB#0	
General	
General	
General	

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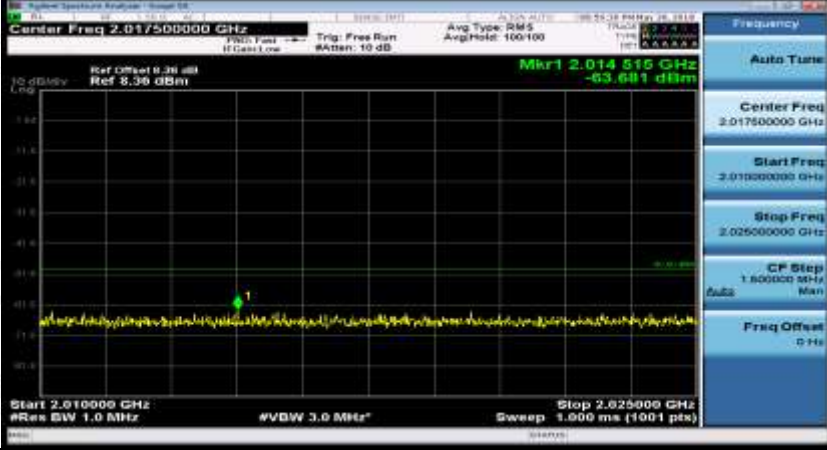
General		
General		
General		

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Co-existence	
Co-existence	
Co-existence	

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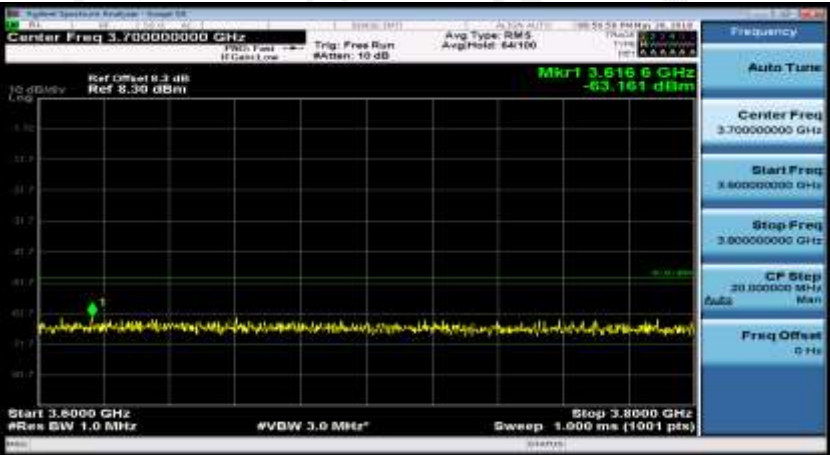
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA


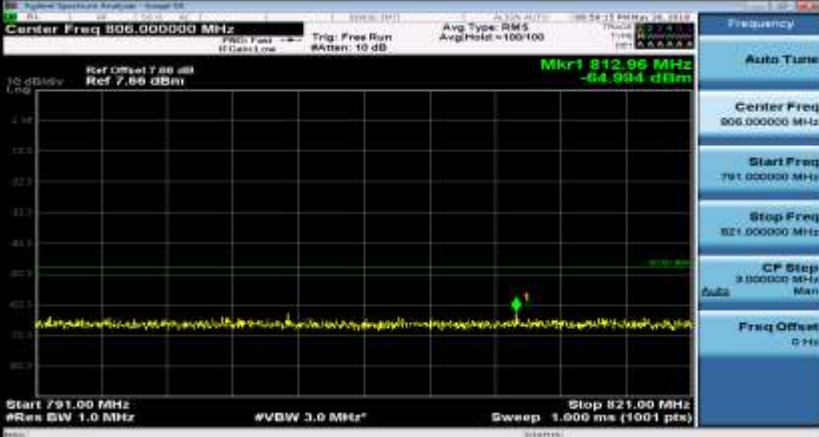
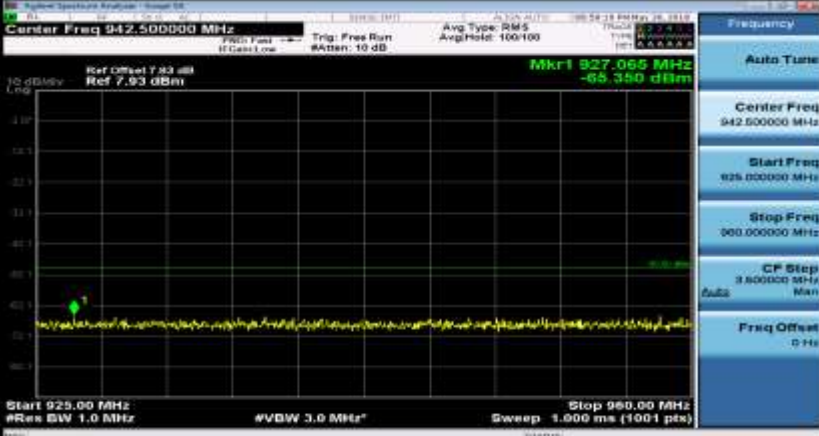
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	
General	

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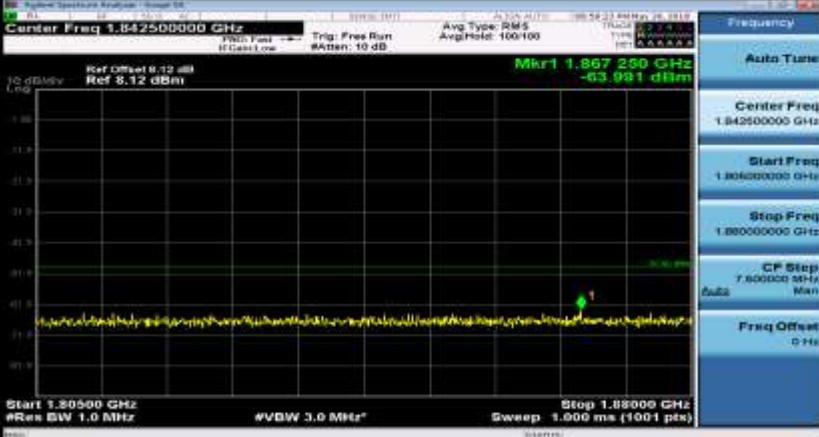
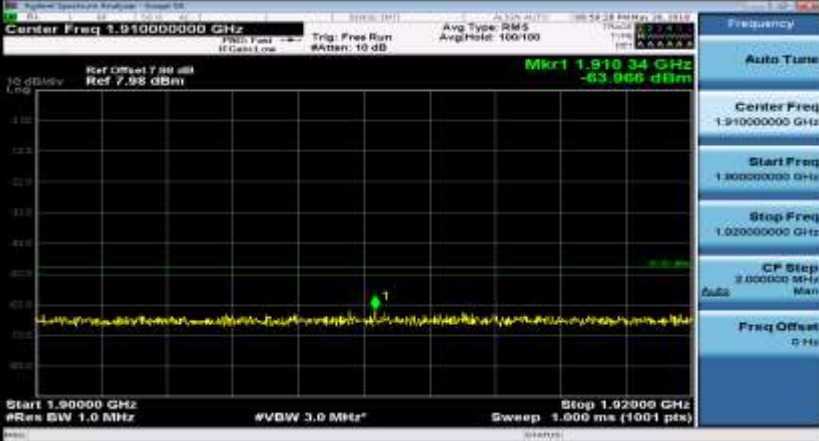
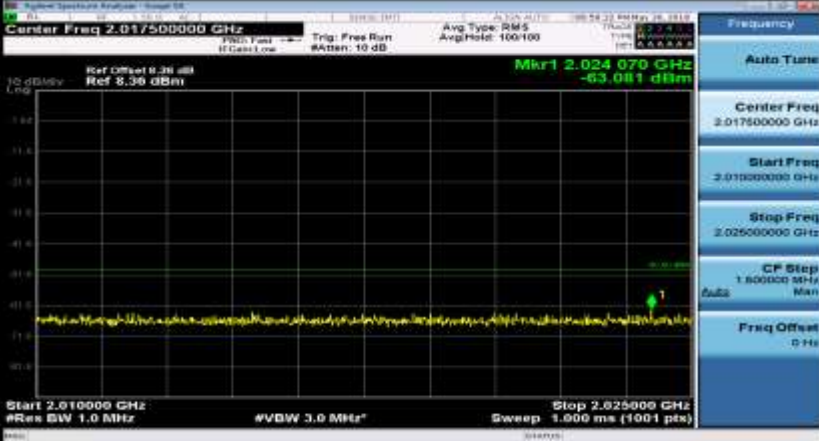
General	
General	
General	

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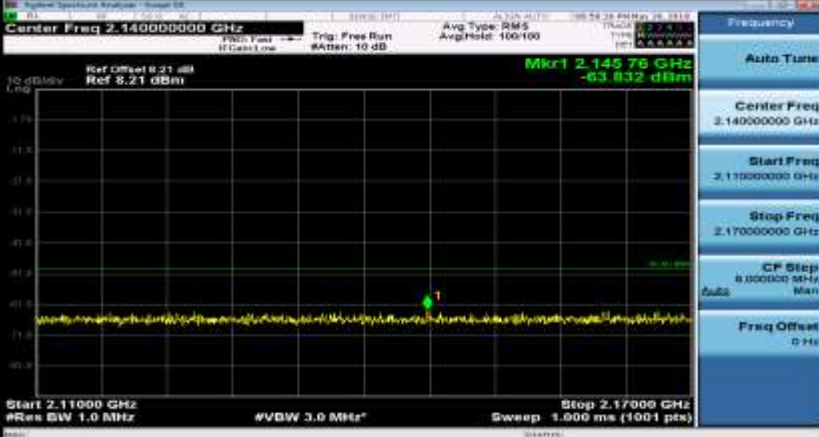
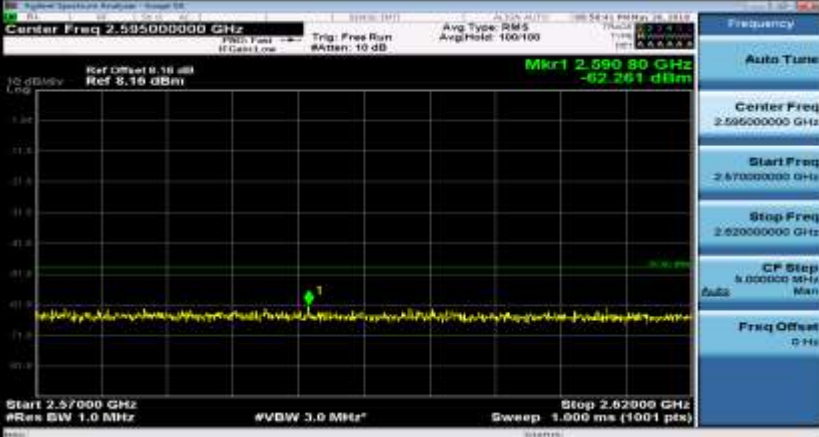

General			
Co-existence			
Co-existence			

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Co-existence			
Co-existence			
Co-existence			


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Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Additional	NA


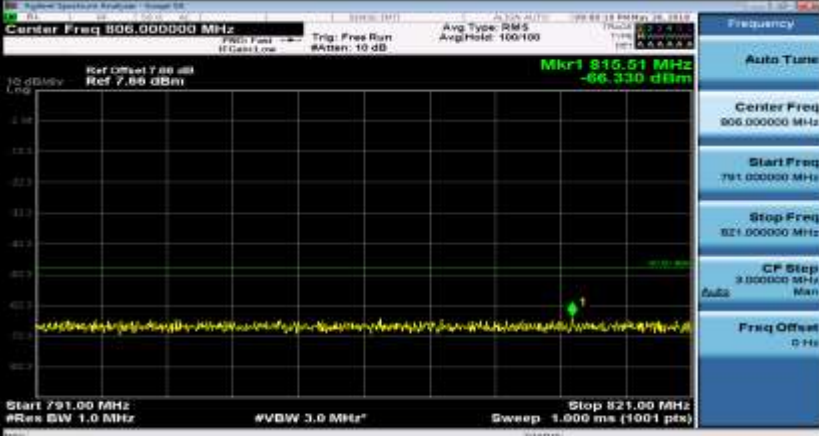
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#max	
General	

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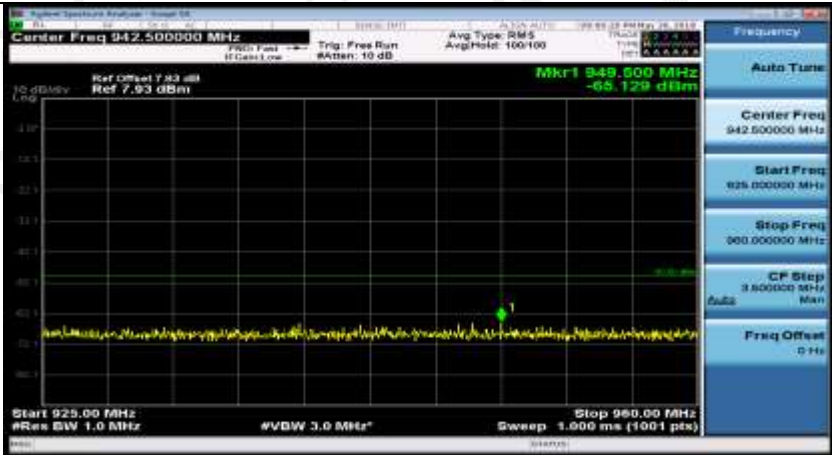
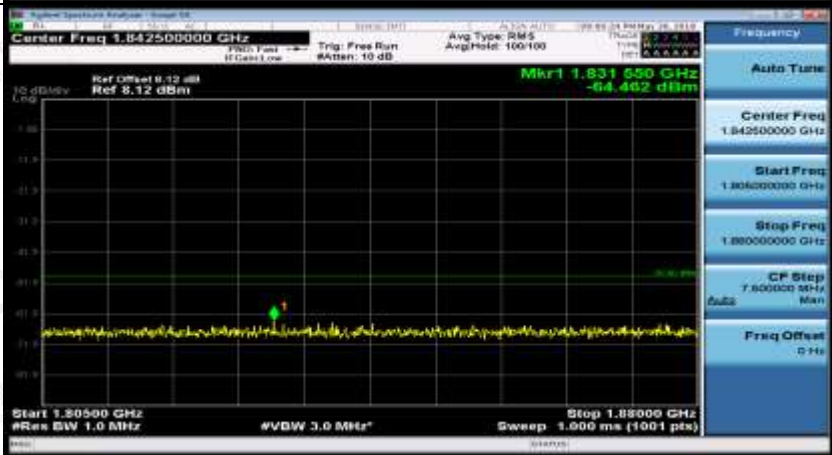
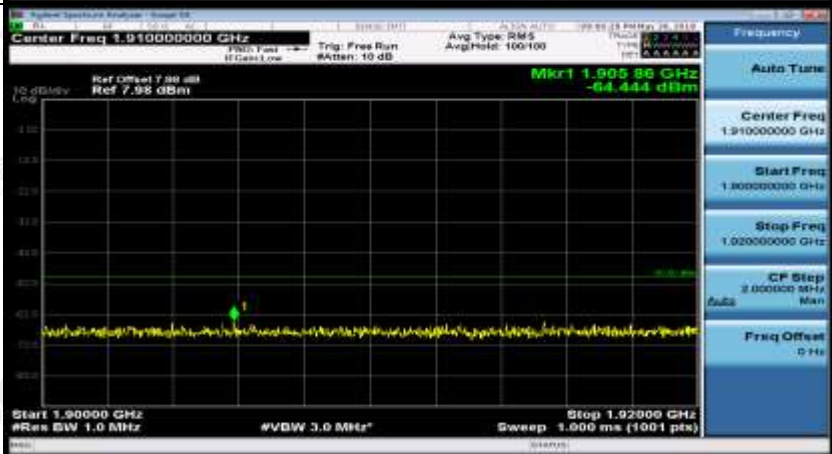
General			
General			
General			

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General			
General			
Co-existence			

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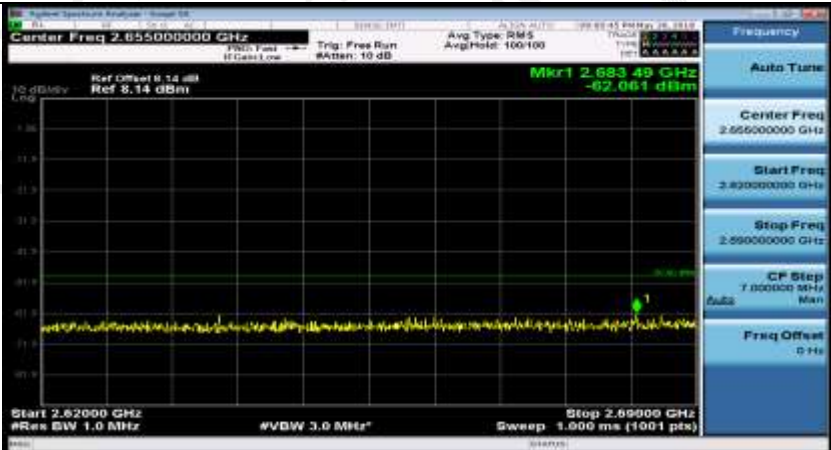
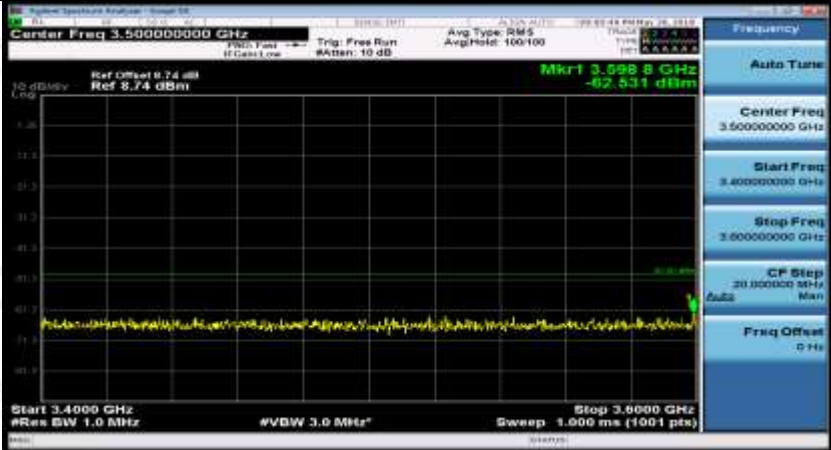
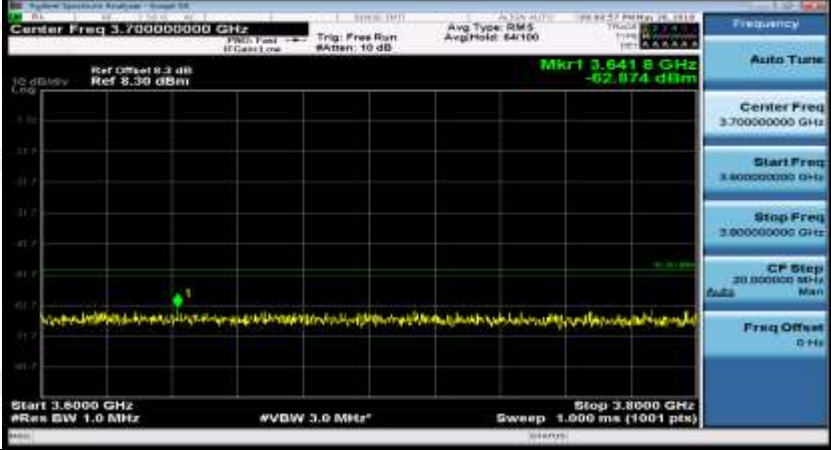
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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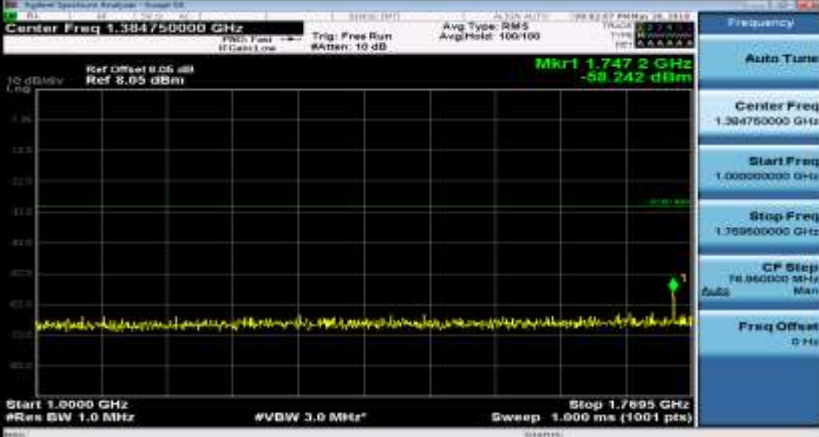


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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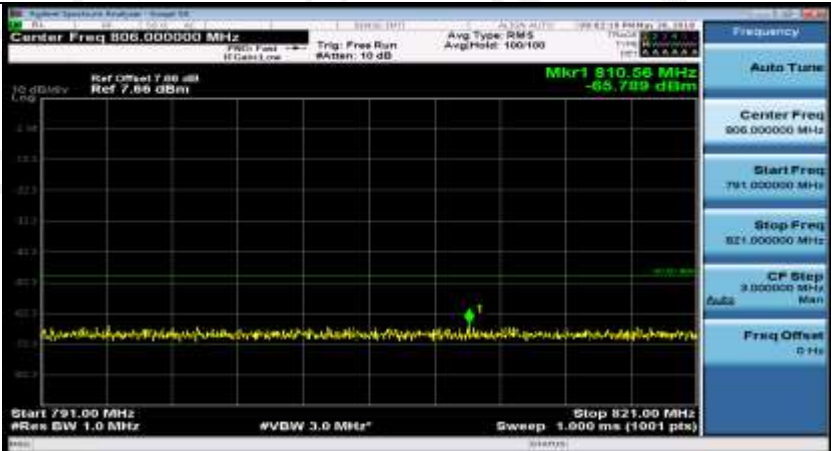
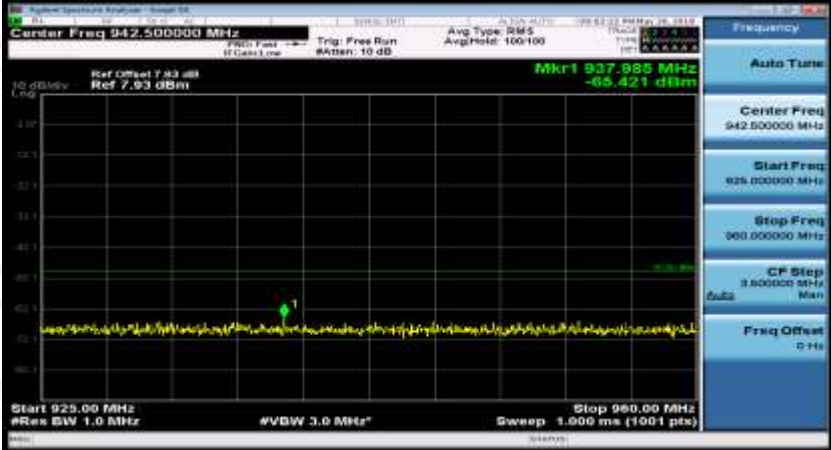
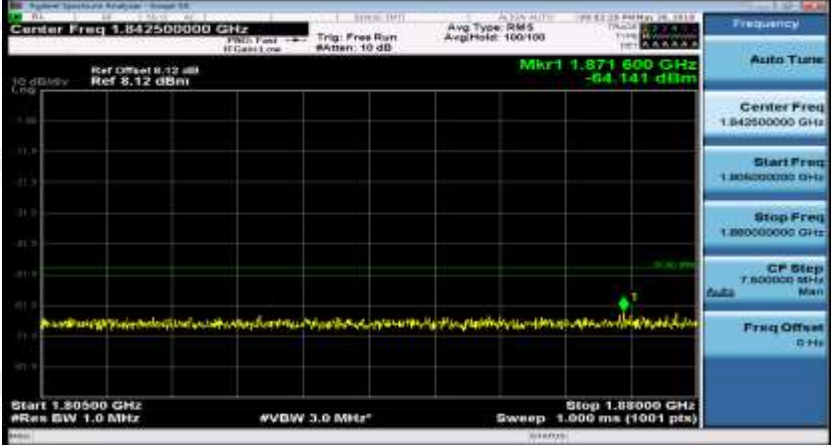
Channel Bandwidth= (5 MHz)_QPSK_HCH_FullIRB#0		
General		
General		
General		

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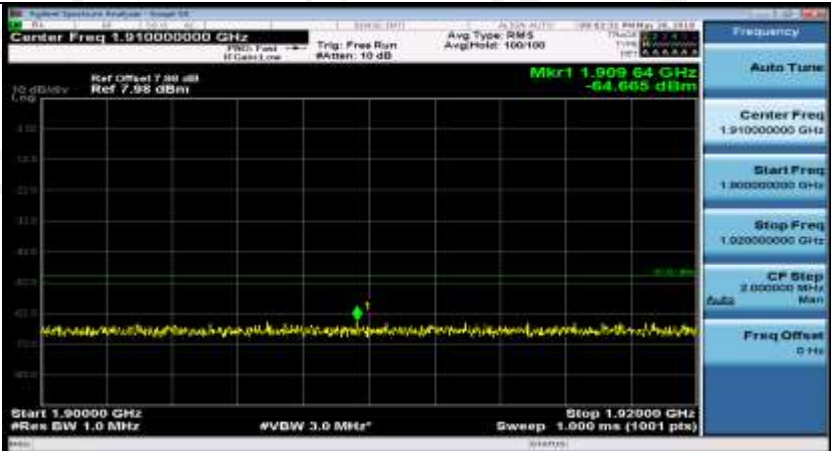
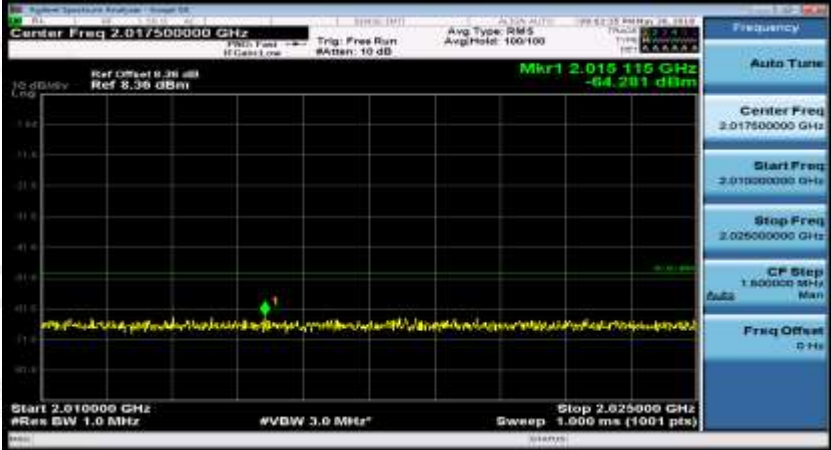
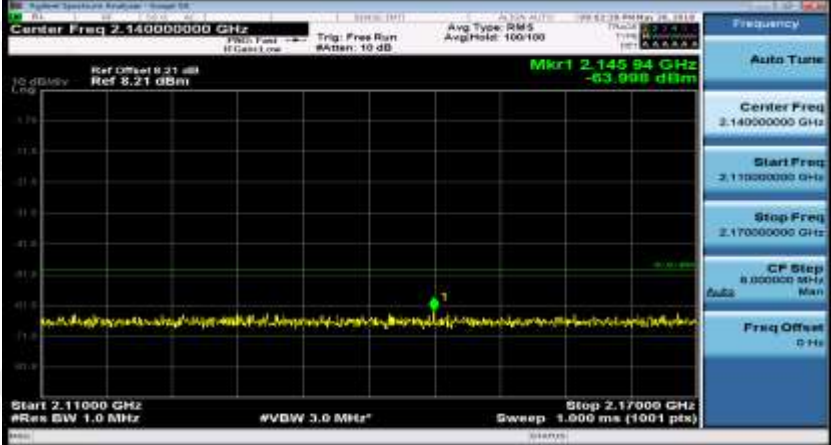
General			
General			
General			

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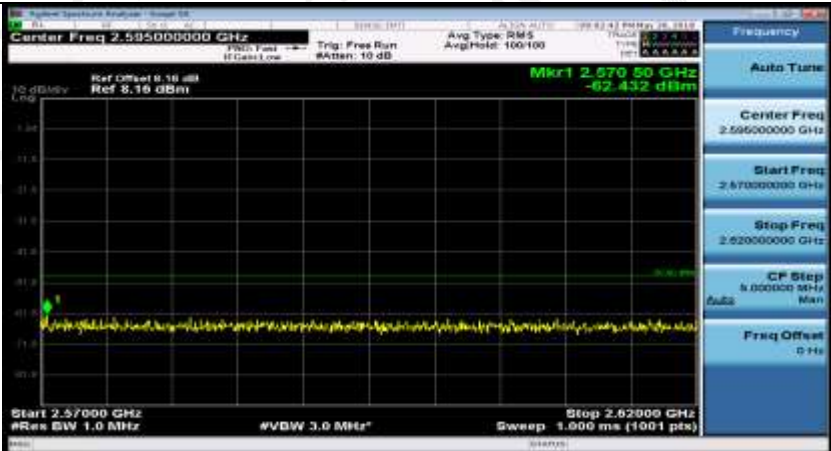
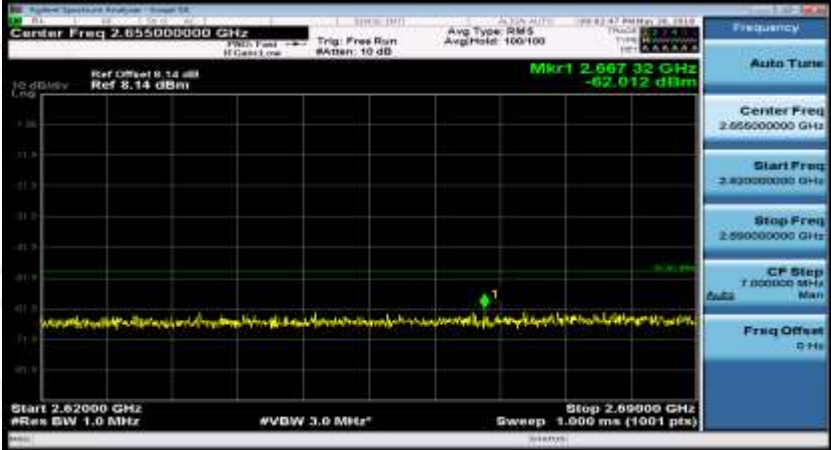
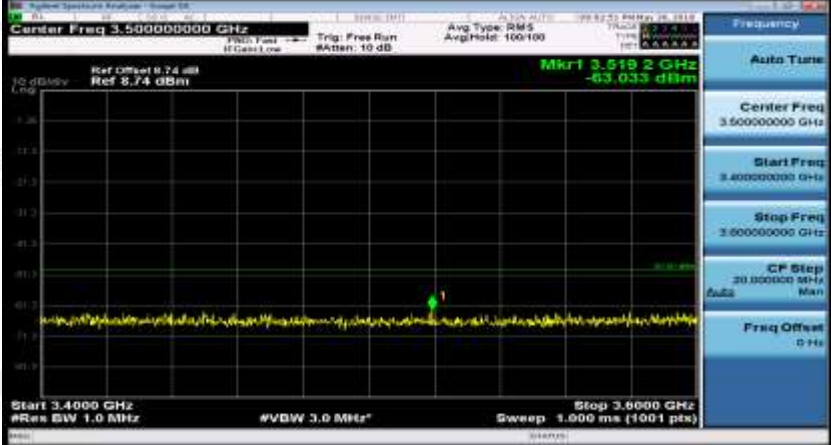
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

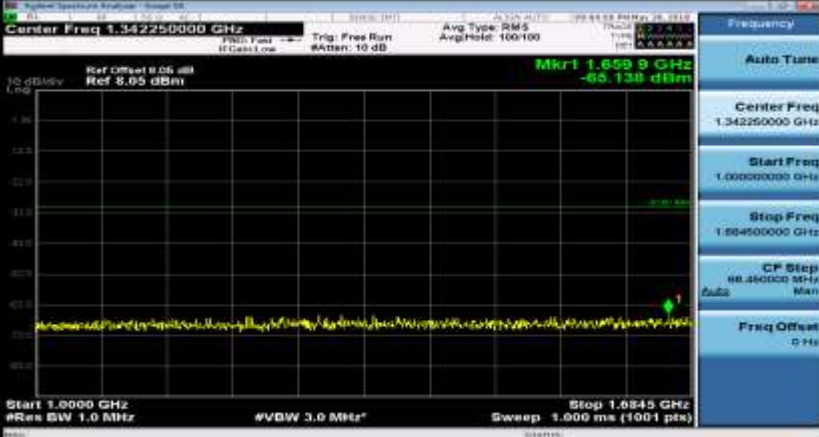

**Channel Bandwidth= (20 MHz)**

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


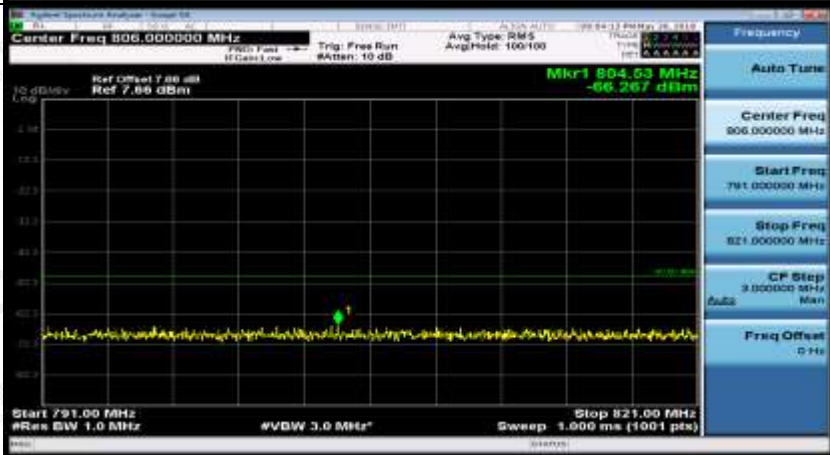
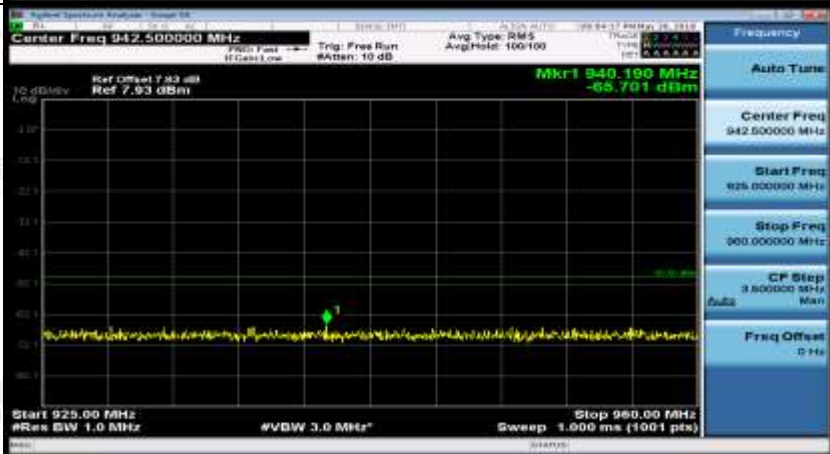
General	
General	

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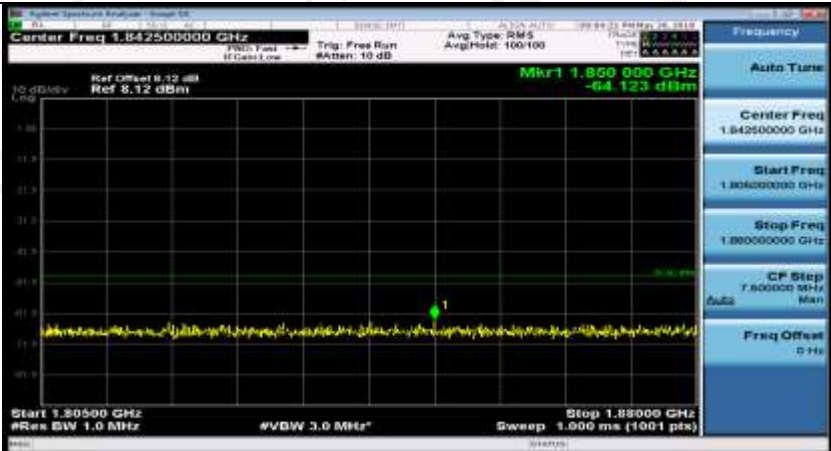
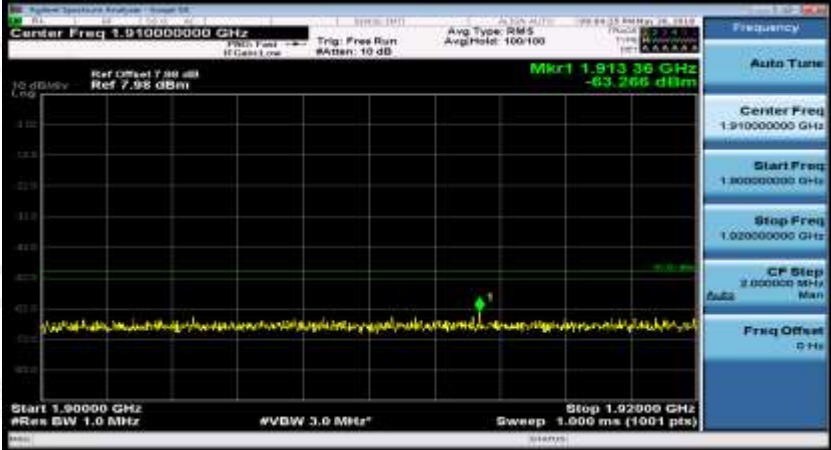
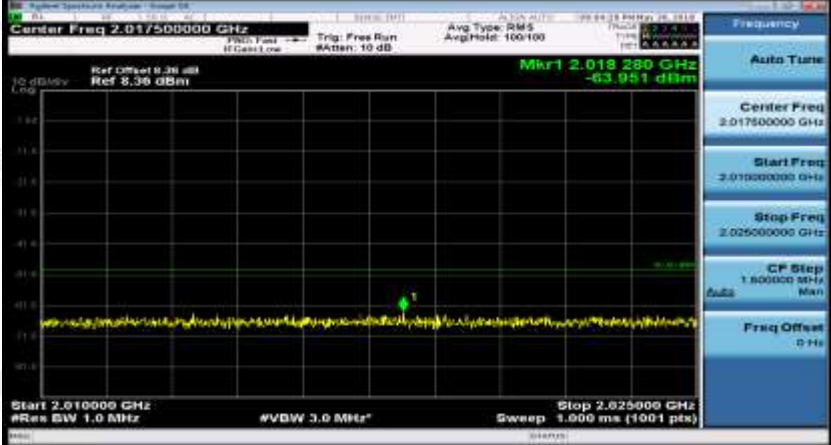
General			
General			
General			

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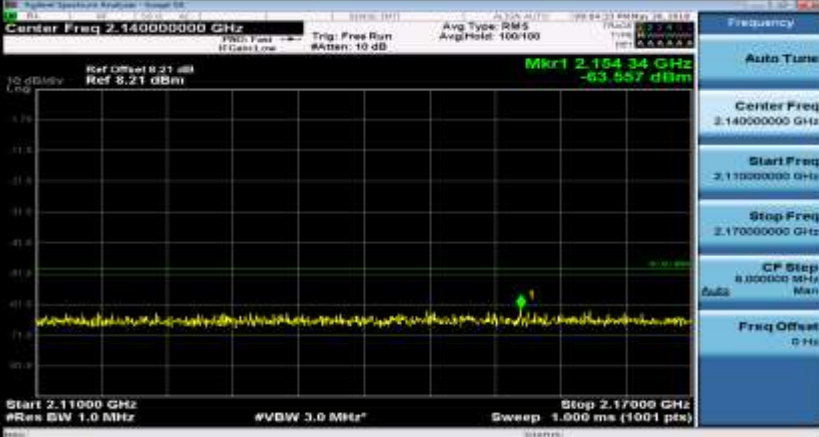
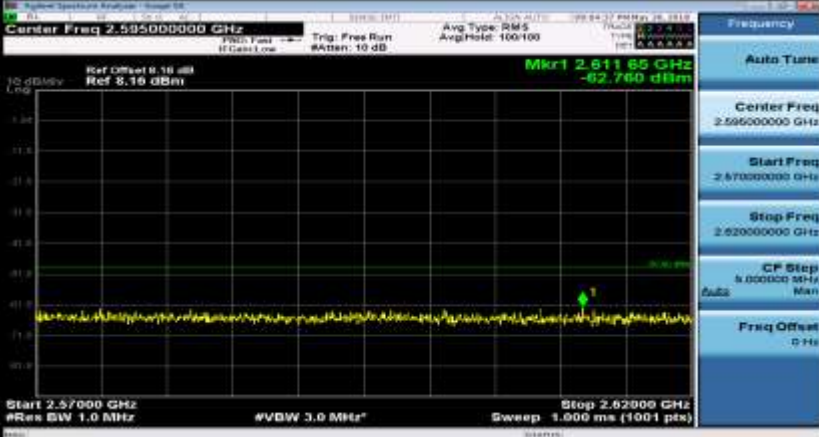

General			
Co-existence			
Co-existence			

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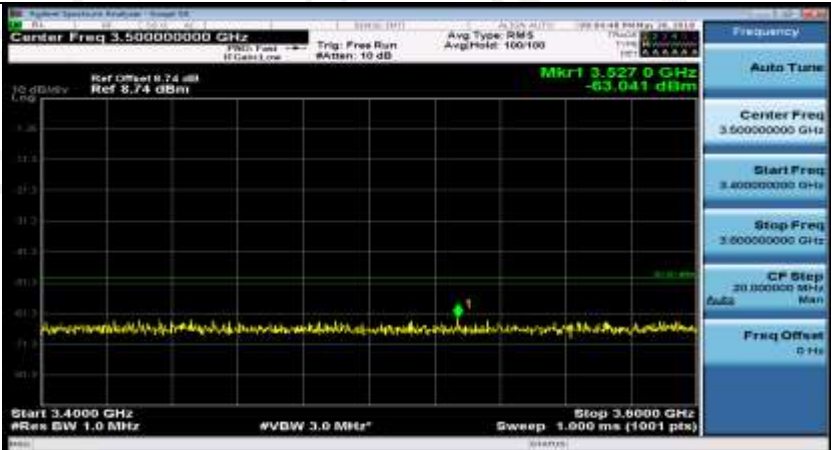
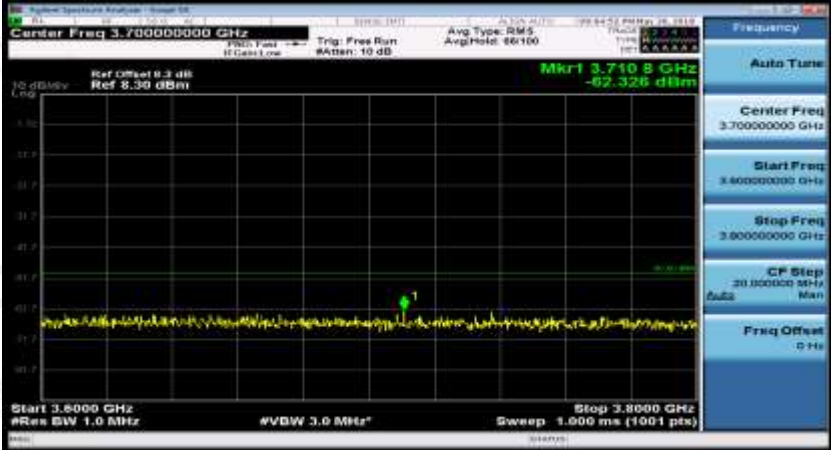
Co-existence	
Co-existence	
Co-existence	

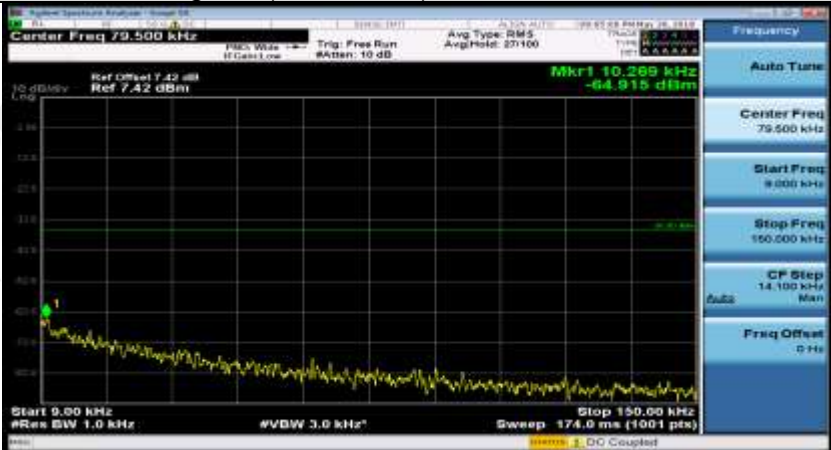
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence			
Co-existence			
Co-existence			

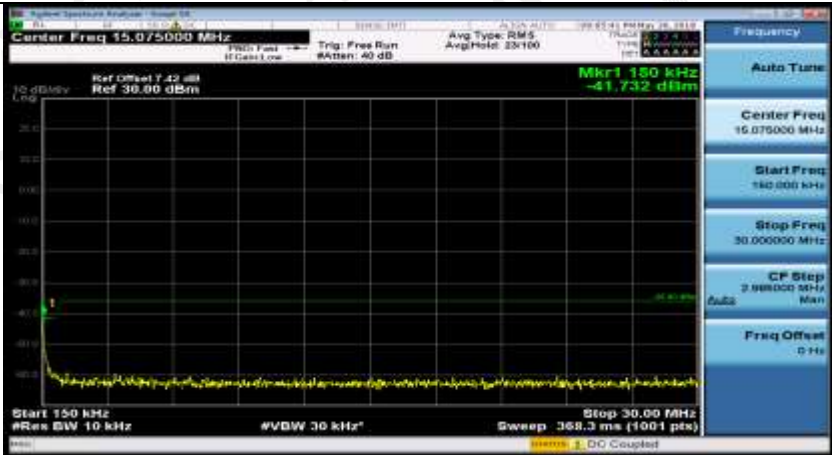

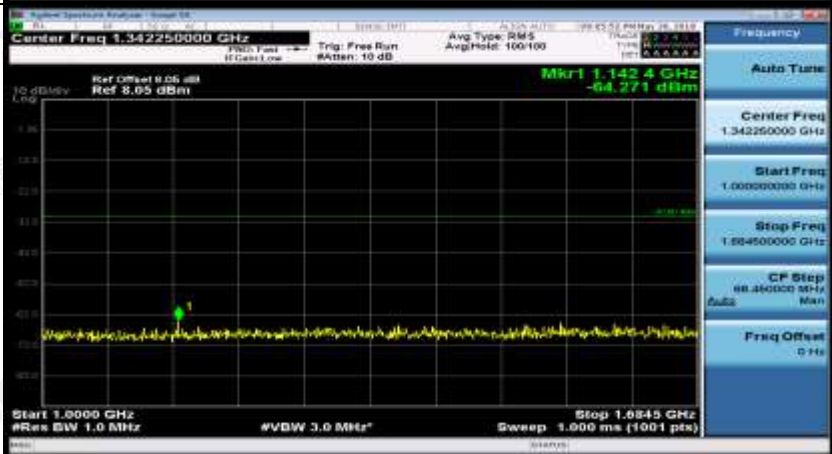
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Co-existence	
Additional	NA



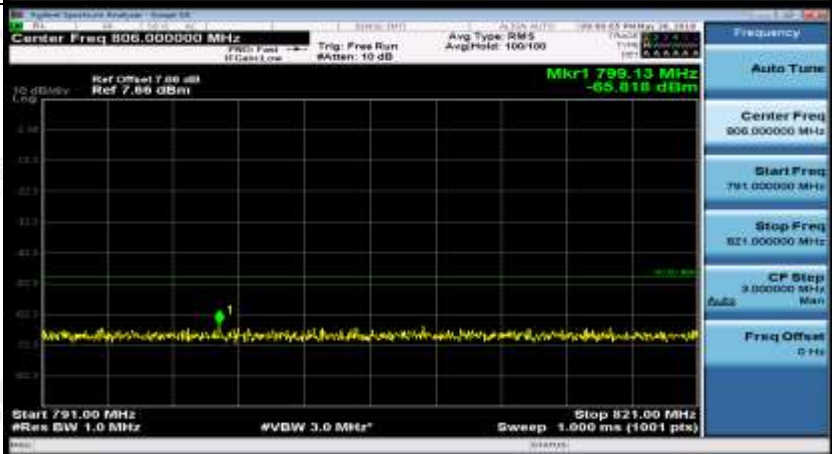
Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	

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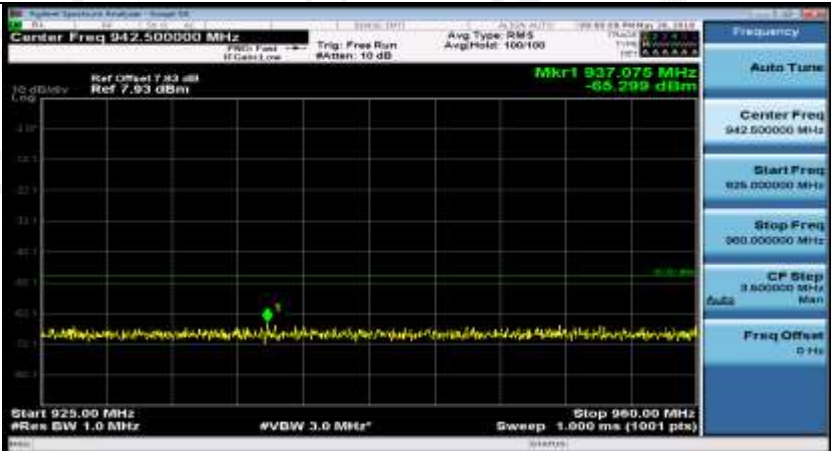
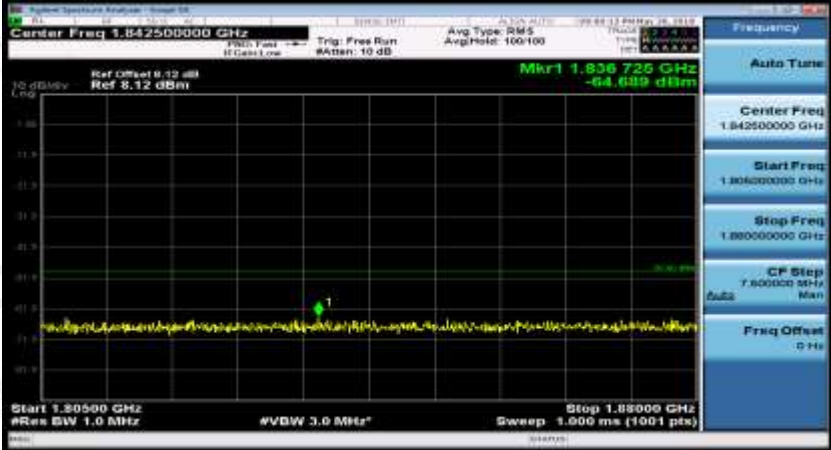
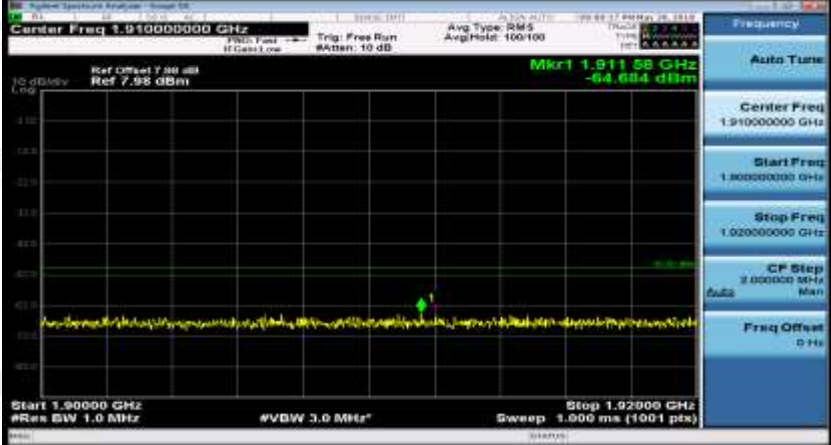
General			
General			
General			

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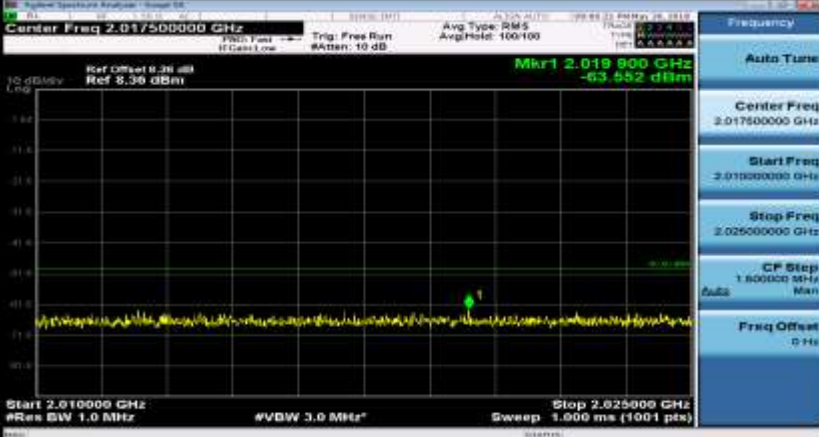
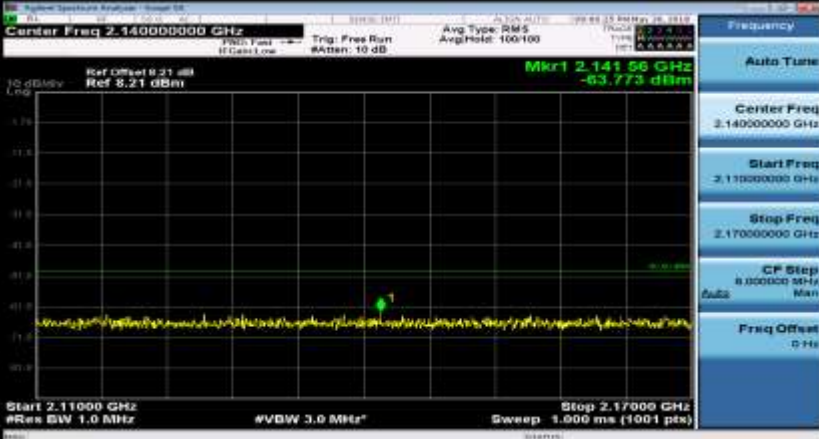
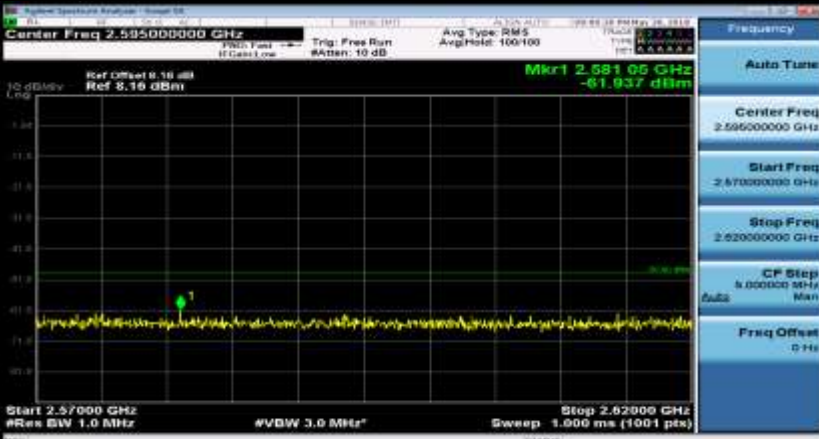
General			
General			
Co-existence			

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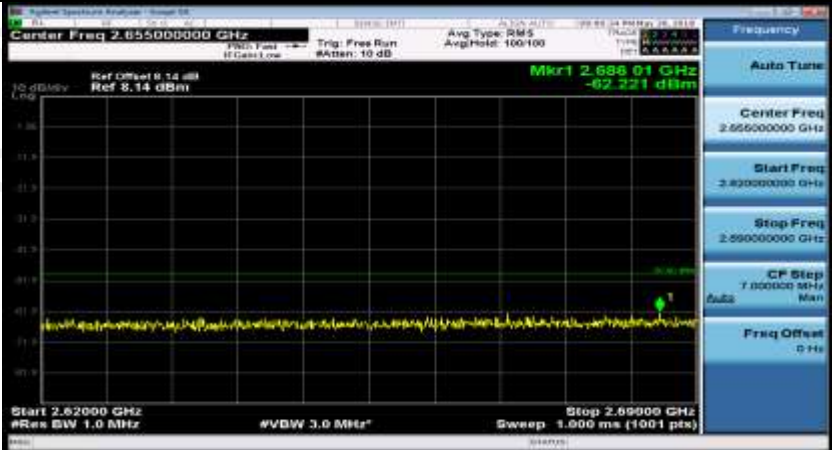
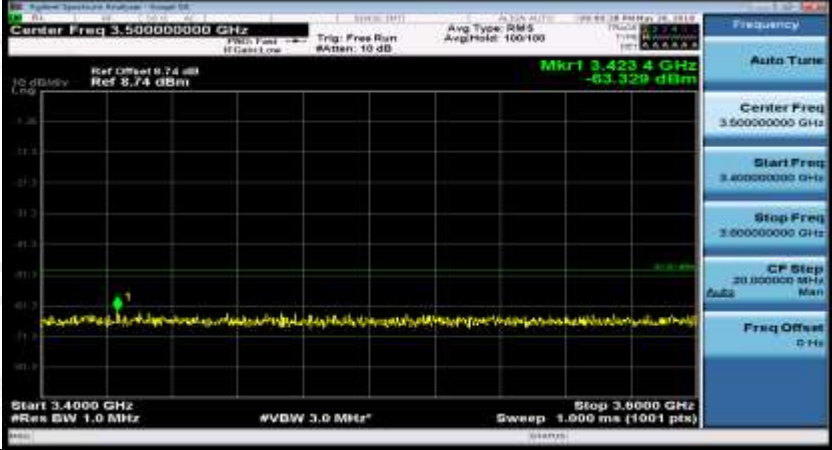

Co-existence	
Co-existence	
Co-existence	

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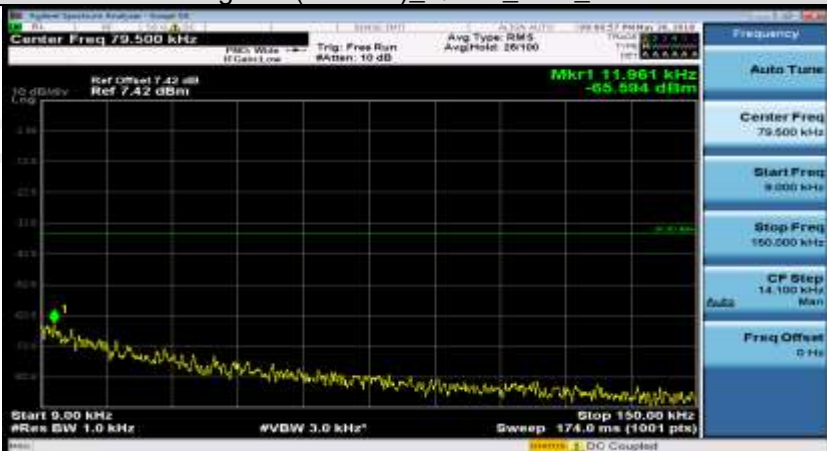

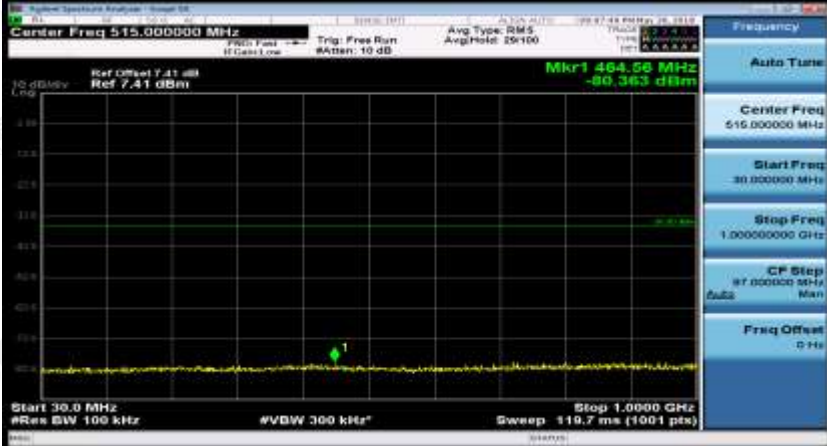
Co-existence		 <p>Center Freq 2.017500000 GHz Mkr1 2.019 800 GHz -63.552 dBm Start 2.010000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.025000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 2.140000000 GHz Mkr1 2.141 56 GHz -63.773 dBm Start 2.130000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.150000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 2.595000000 GHz Mkr1 2.591 05 GHz -61.937 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>	

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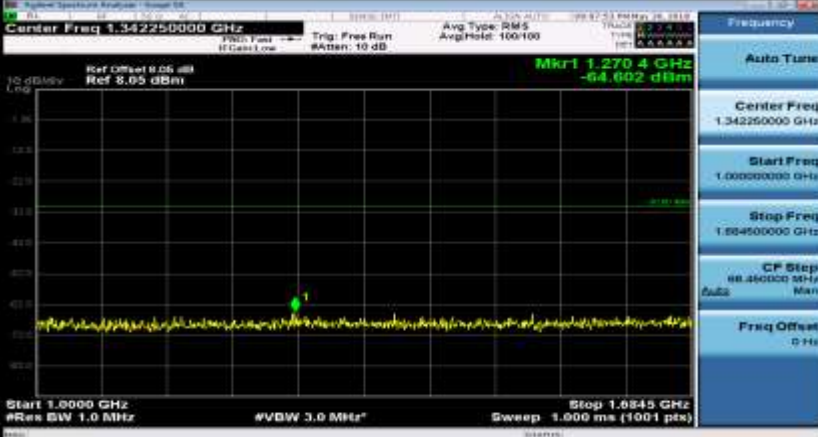


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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

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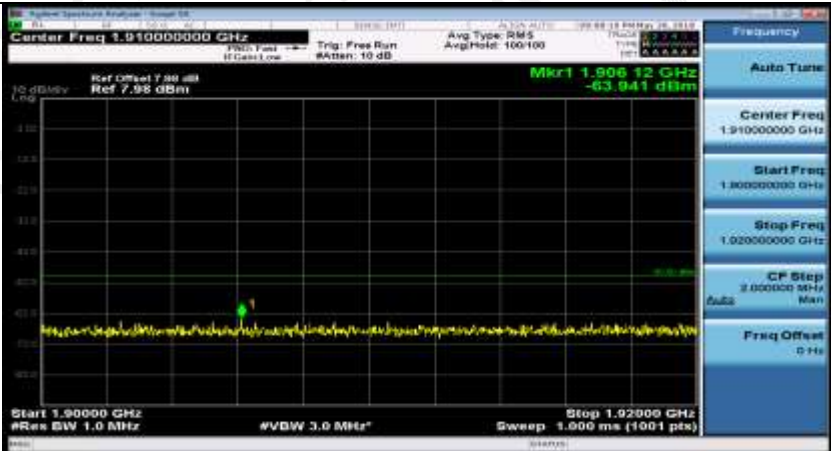
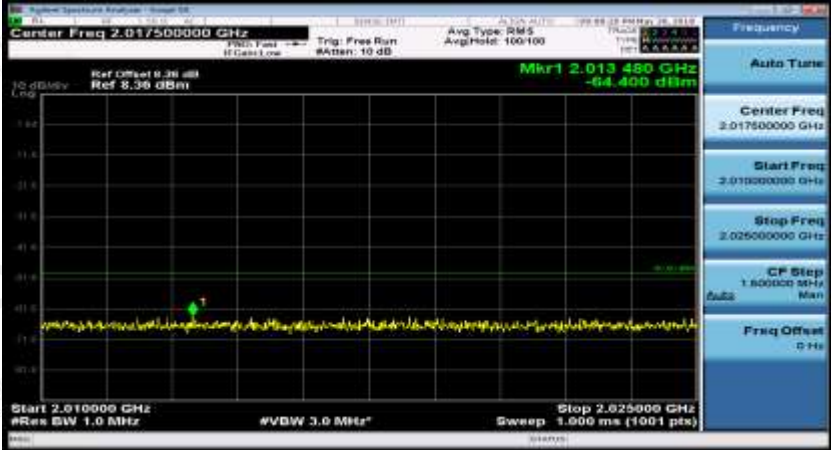
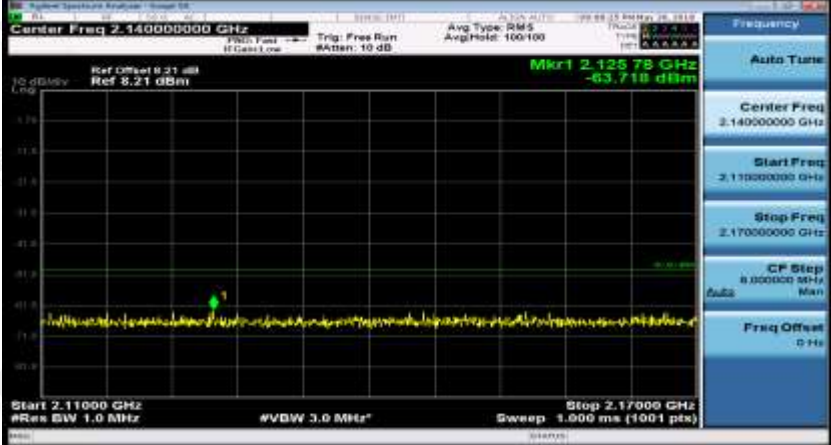
General			
General			
General			

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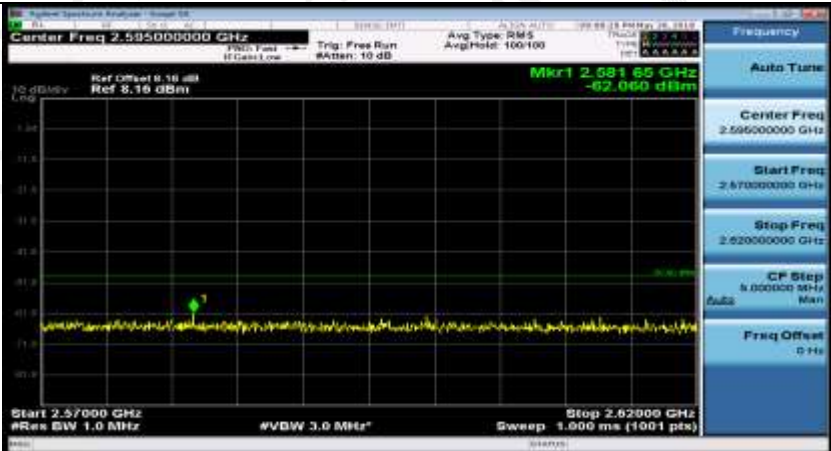
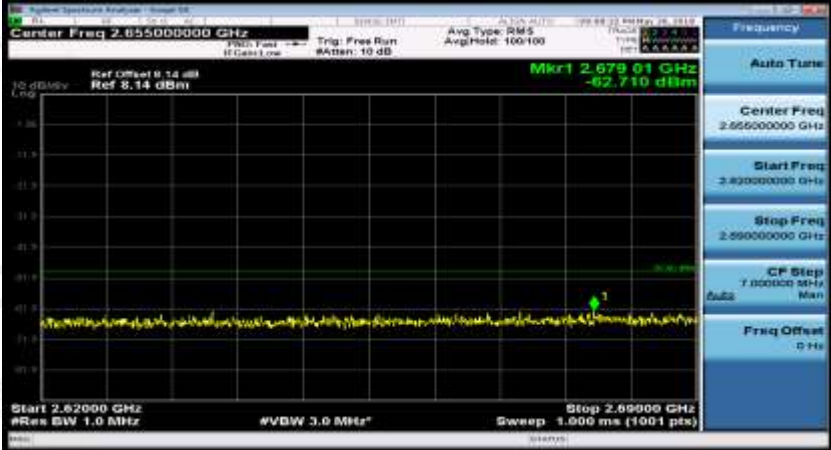
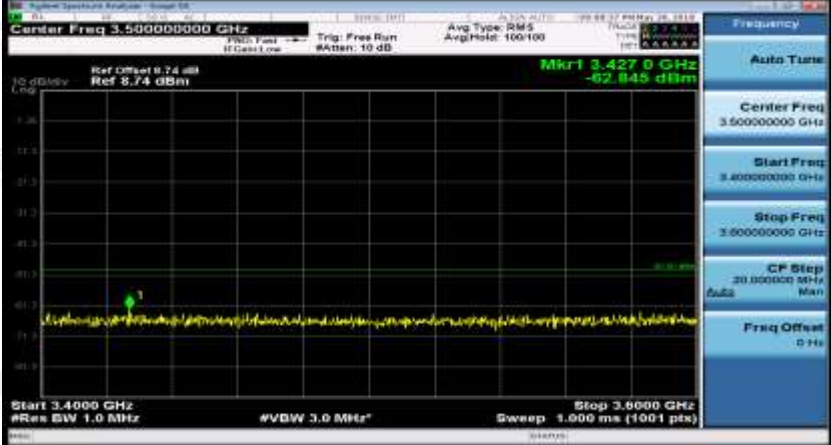
Co-existence			
Co-existence			
Co-existence			

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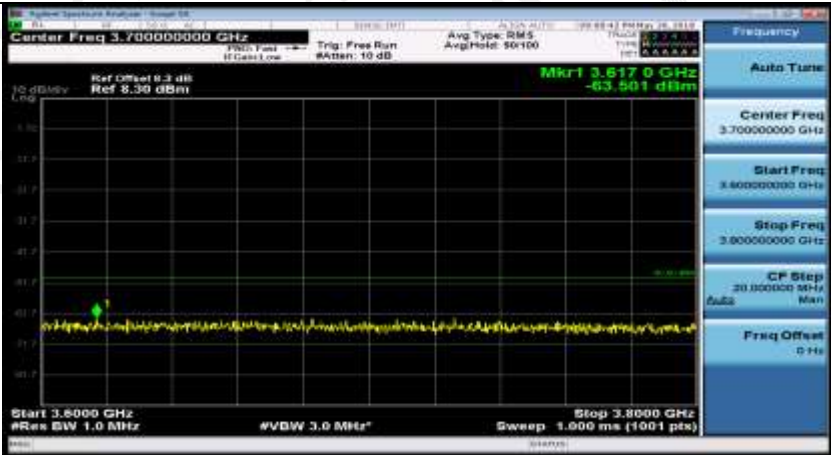
Co-existence	
Co-existence	
Co-existence	

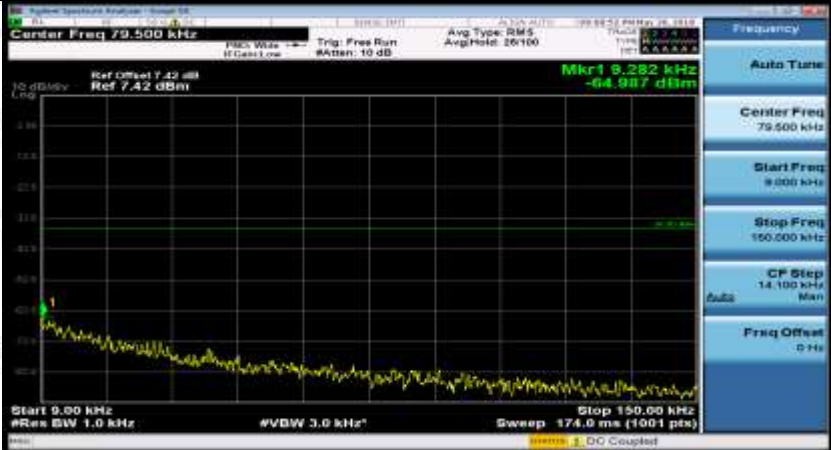
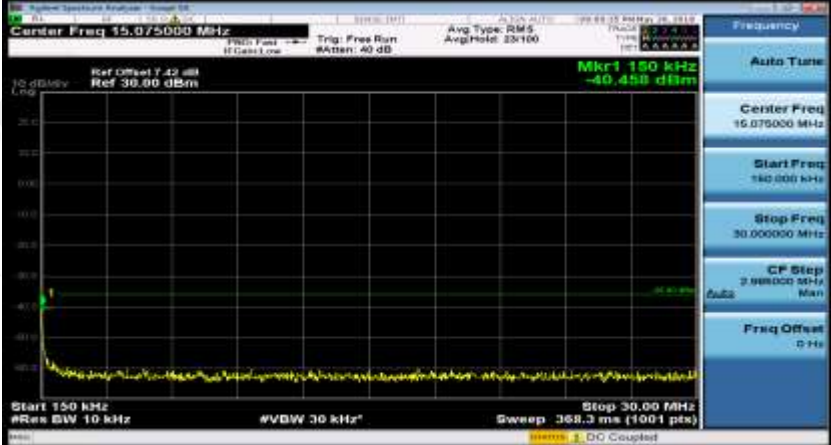
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Co-existence	
Co-existence	
Co-existence	

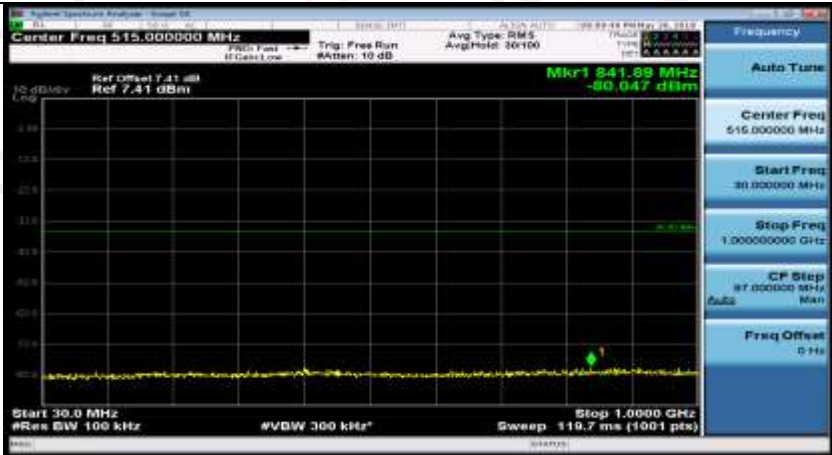
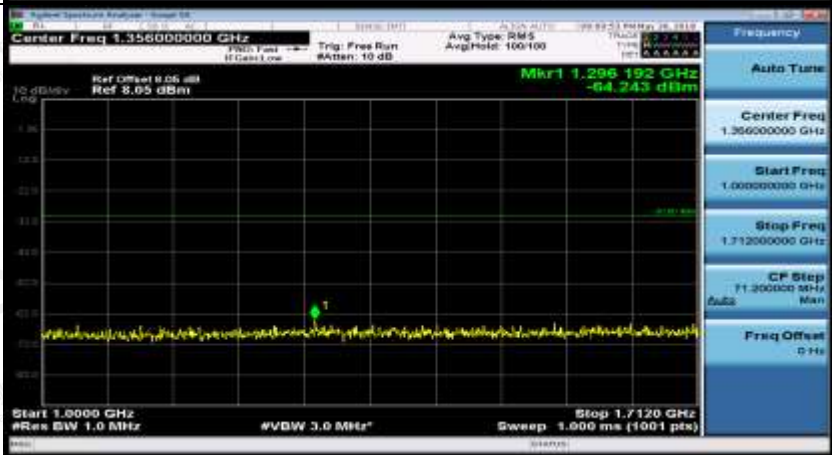

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Co-existence	
Additional	NA


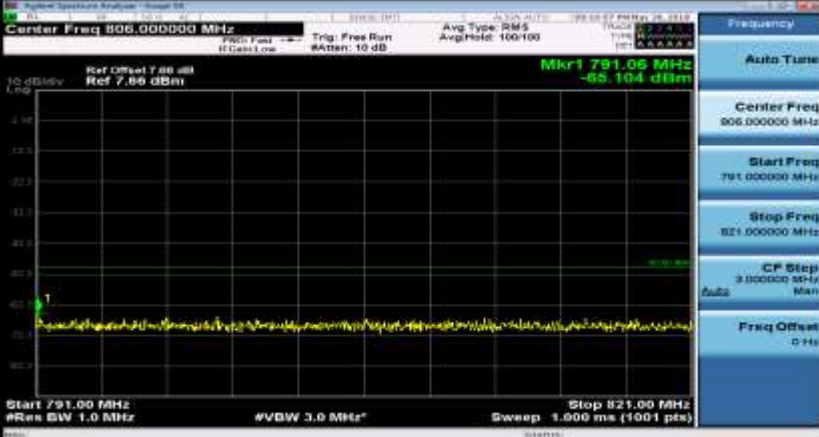
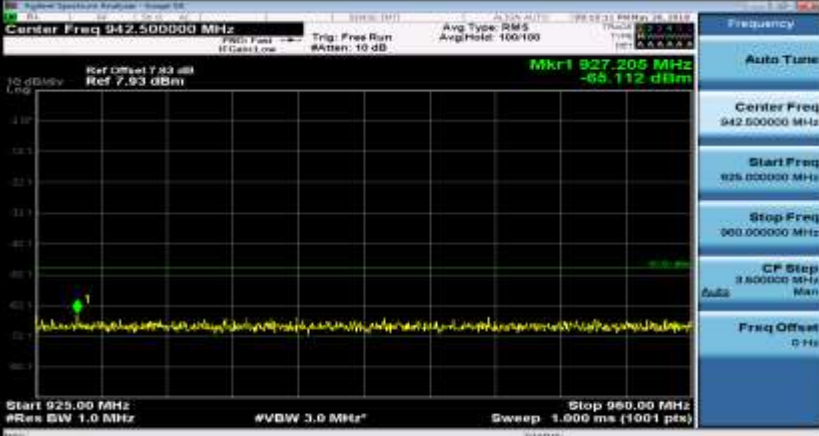
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0	
General	
General	

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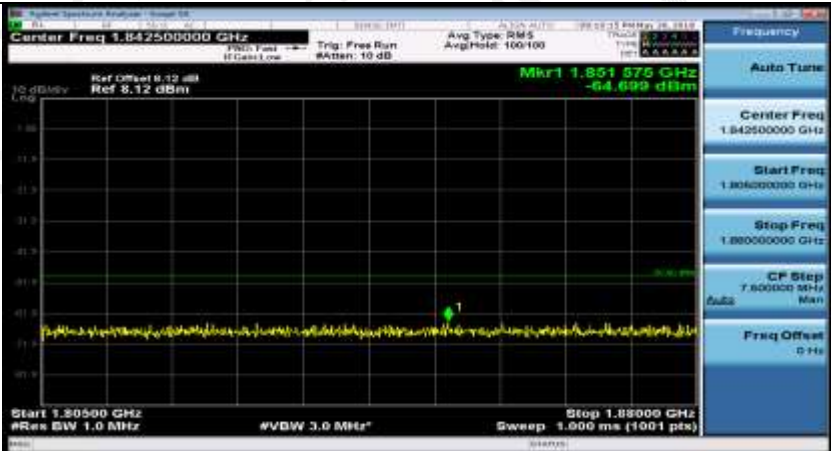
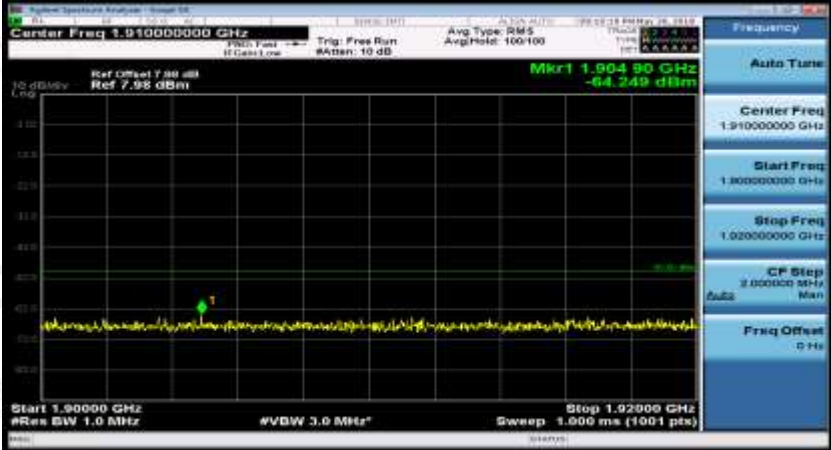
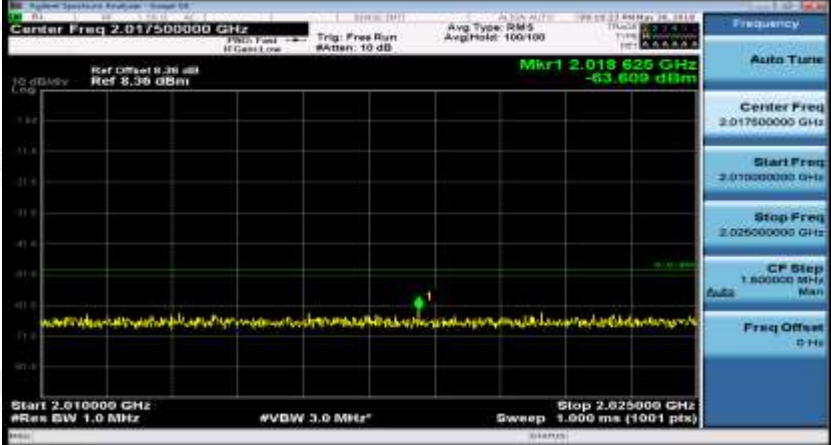
General			
General			
General			

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General			
Co-existence			
Co-existence			

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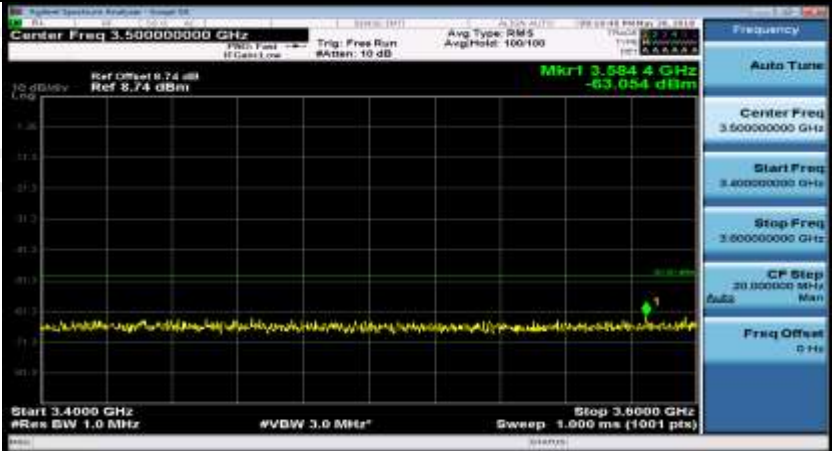
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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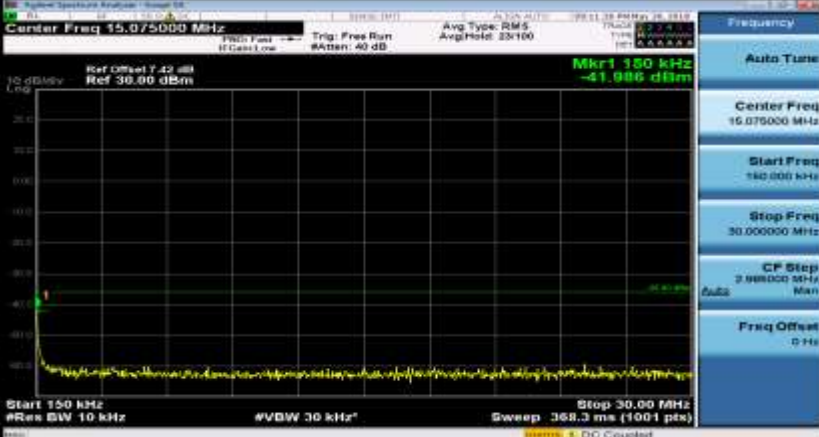
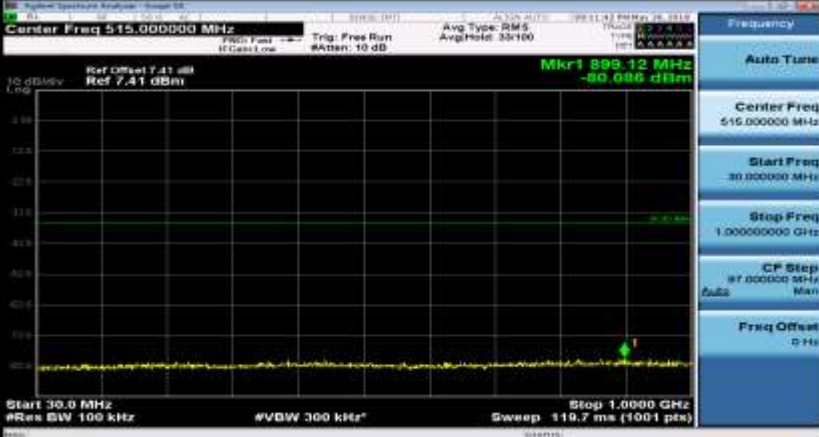
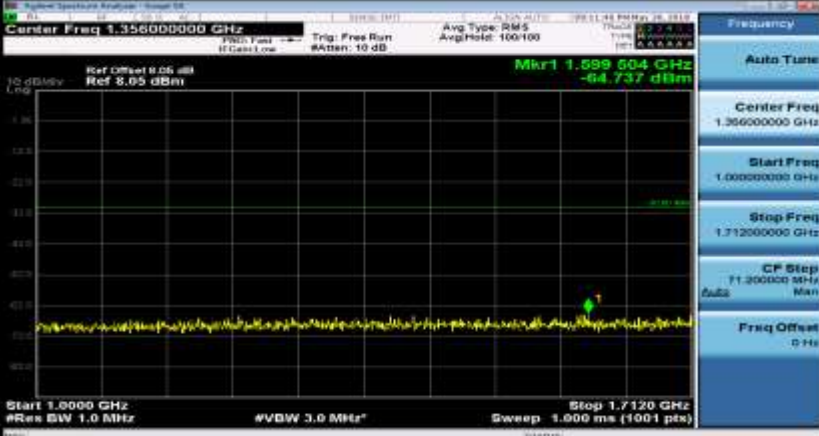


Co-existence	
Co-existence	
Additional	NA

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



General	
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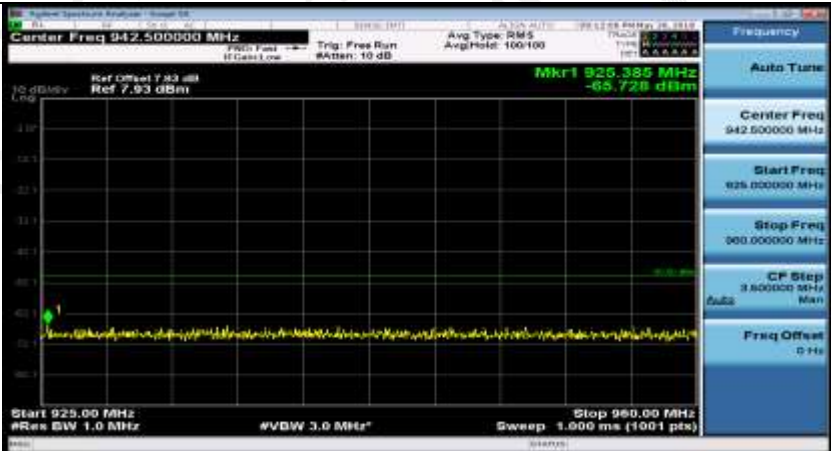
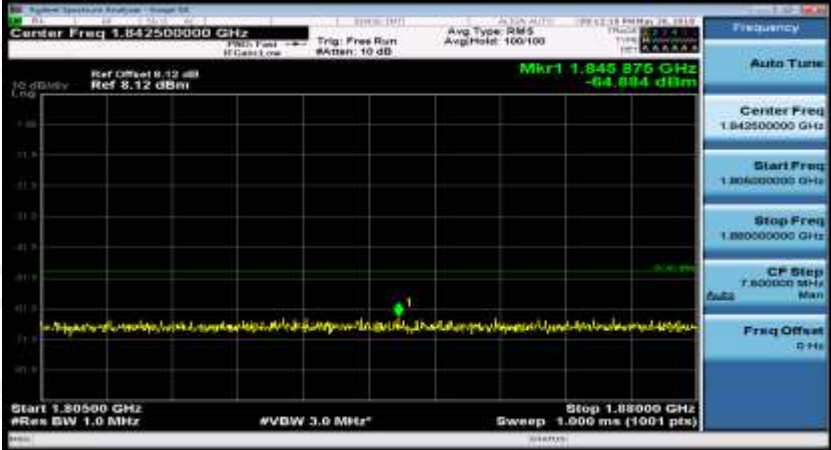
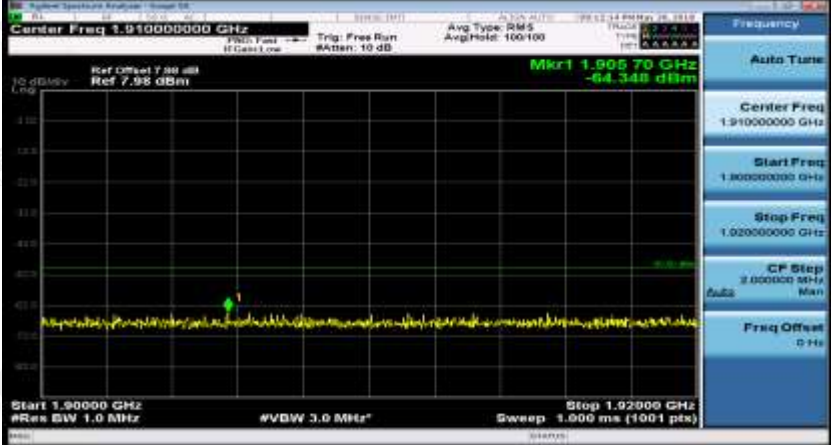
General			
General			
General			

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



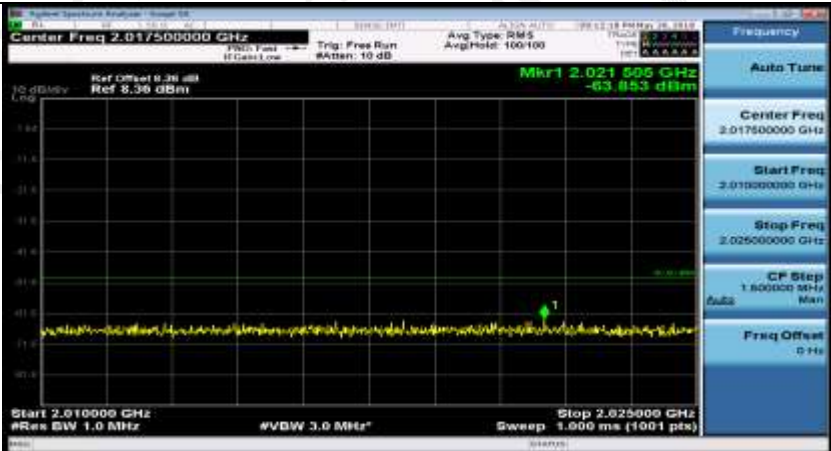
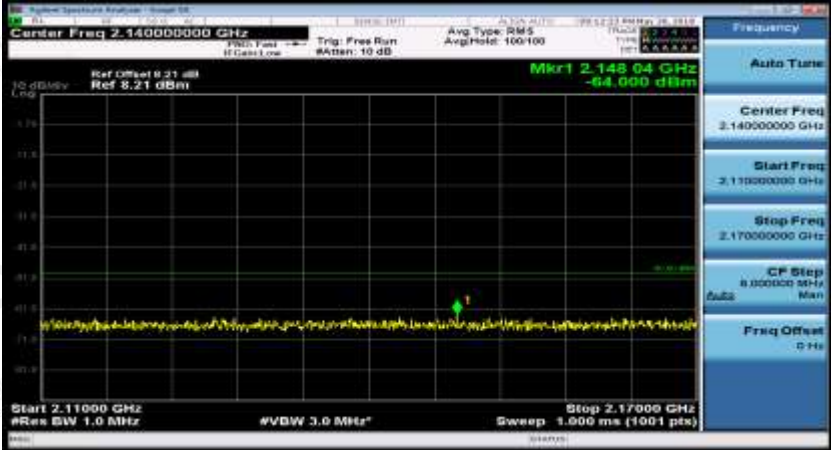
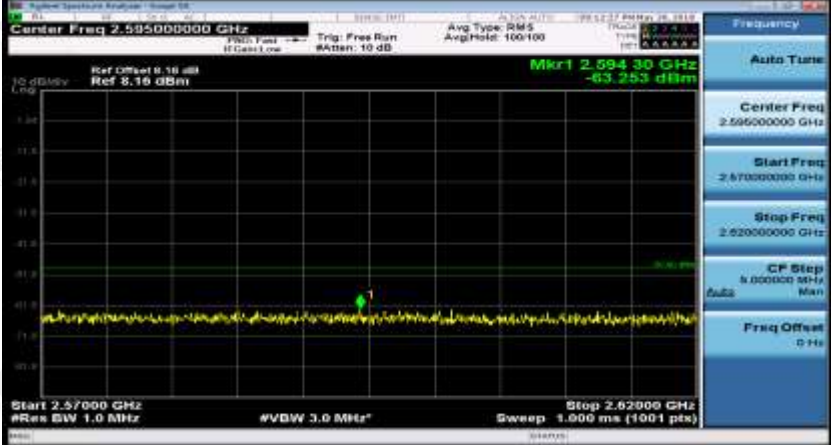
General			
General			
Co-existence			

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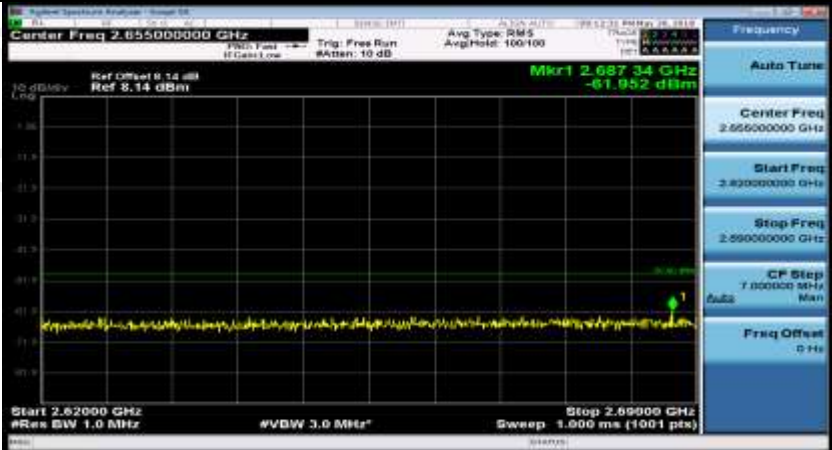
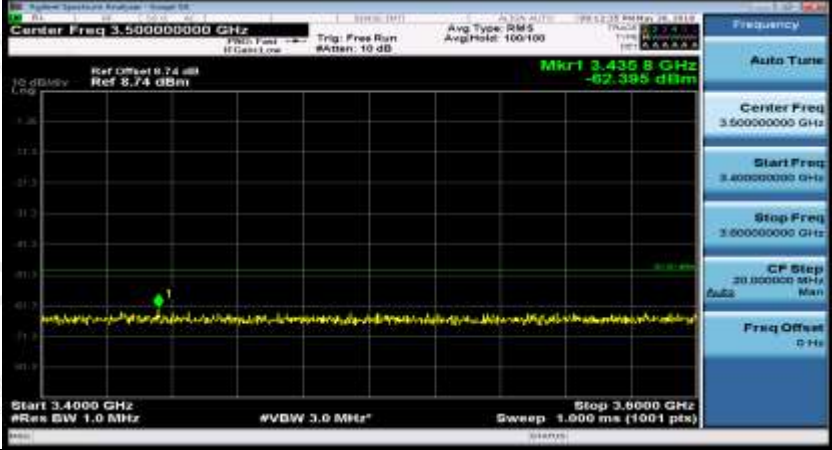
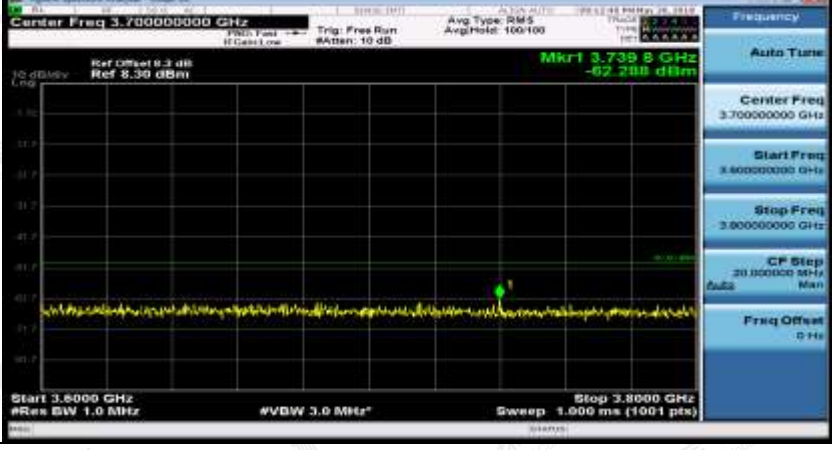
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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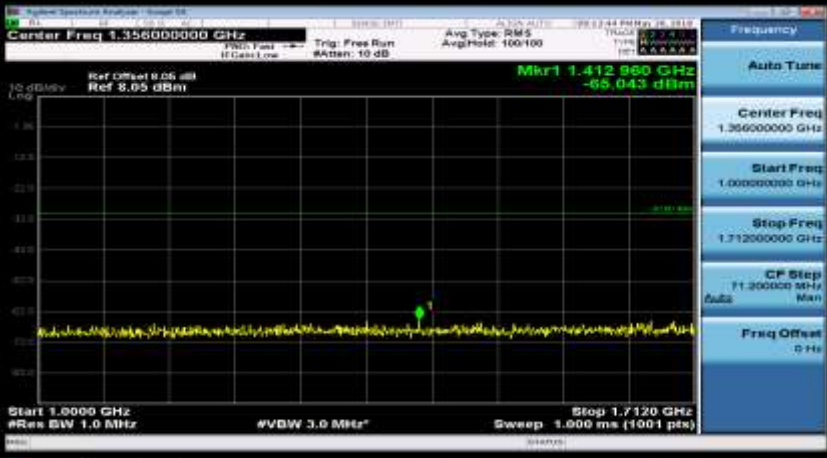
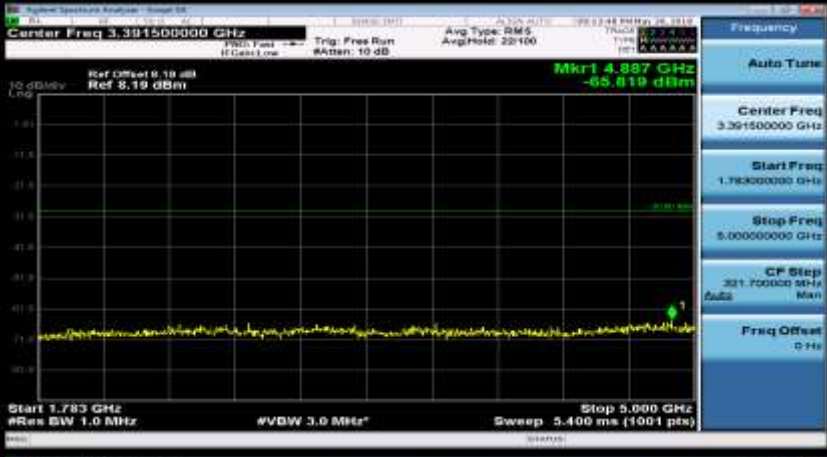

Co-existence	
Co-existence	
Co-existence	
Additional	NA

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



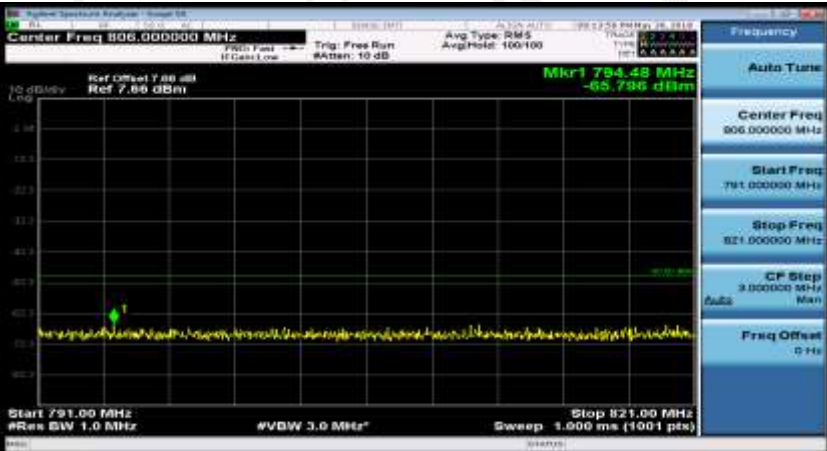
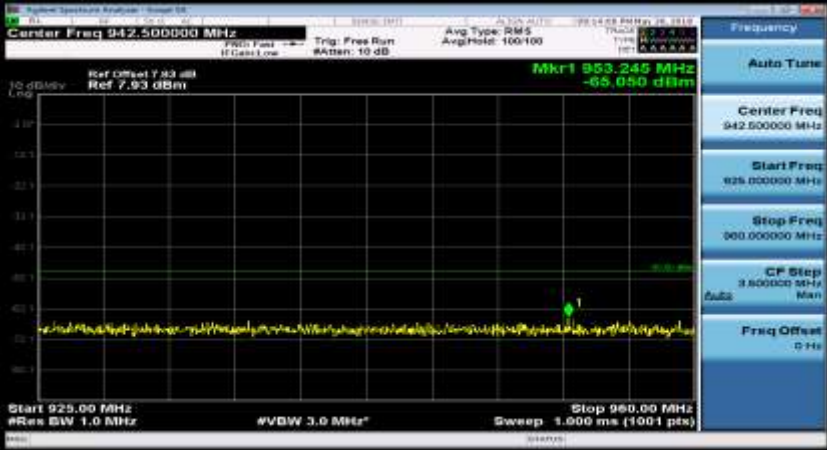
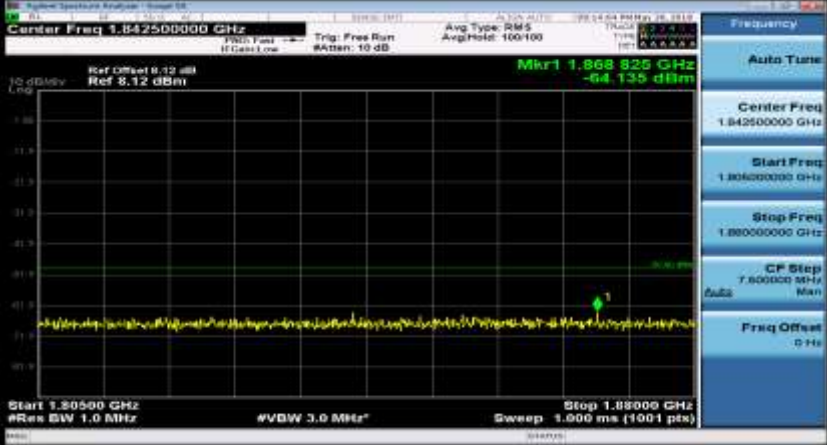
Channel Bandwidth=Highest (20 MHz) QPSK_MCH_FullRB#0	
General	
General	
General	

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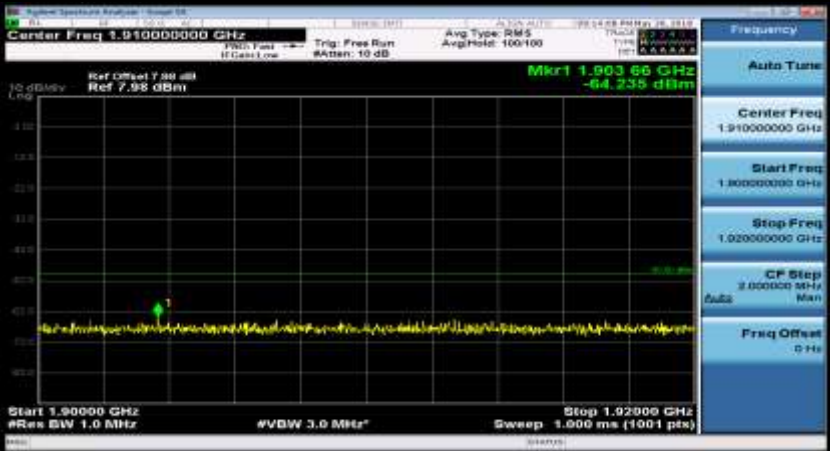
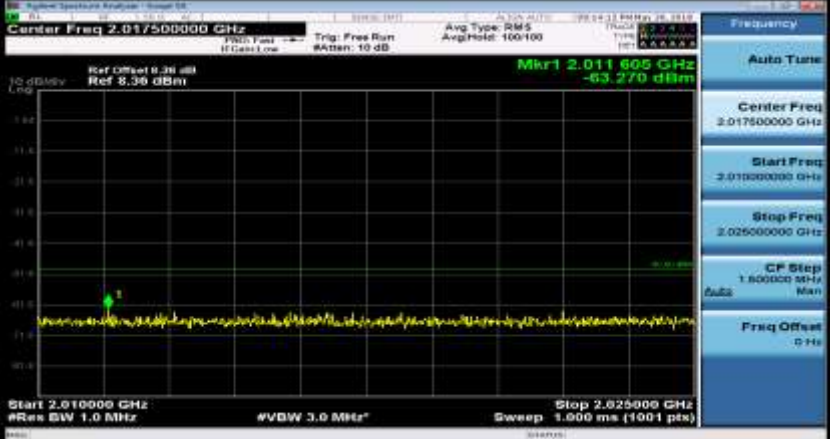

General		
General		
General		

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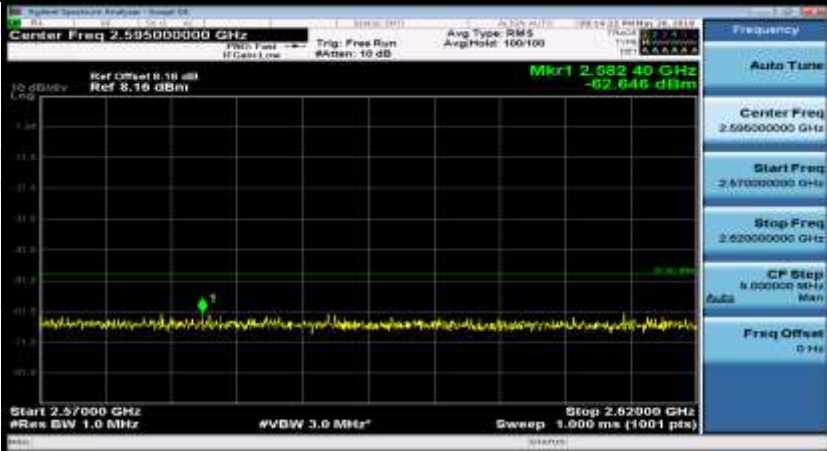
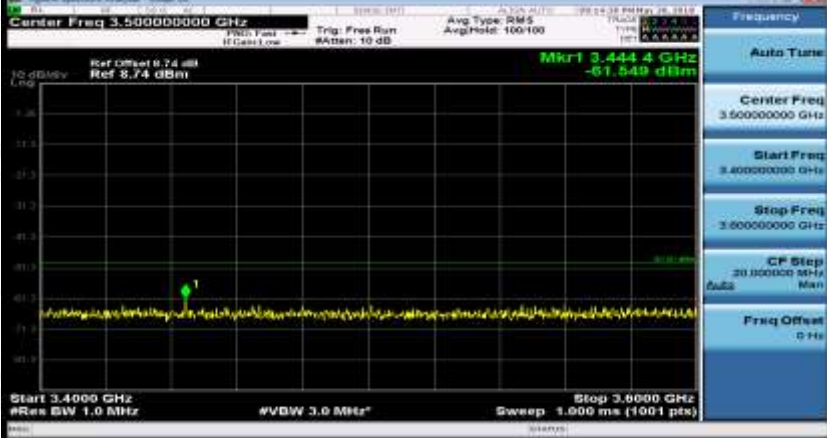
Co-existence	
Co-existence	
Co-existence	

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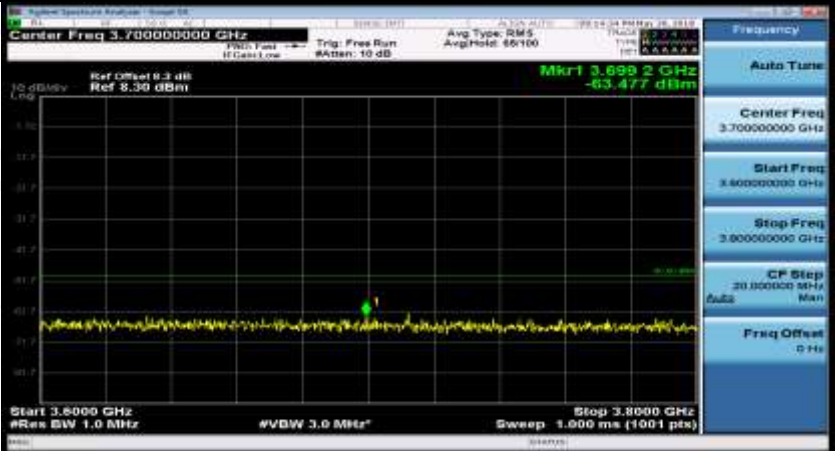
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

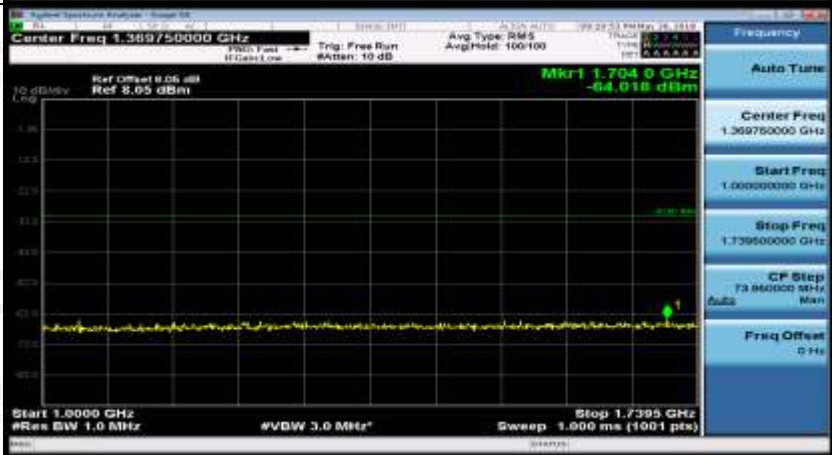
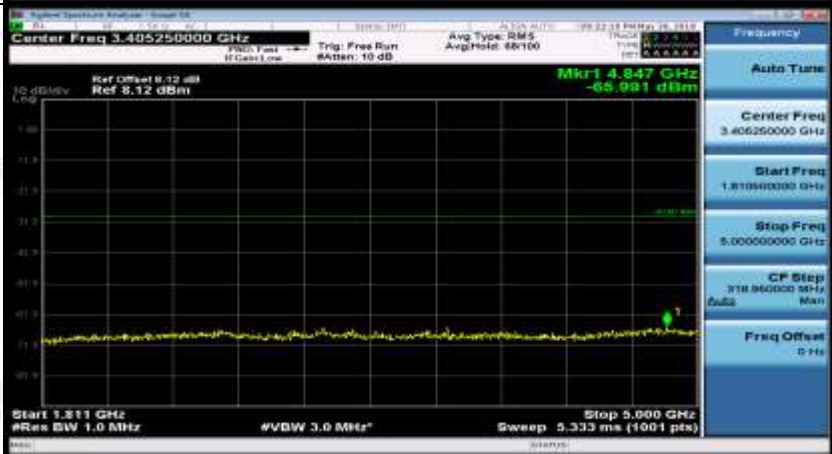
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0	
General	
General	

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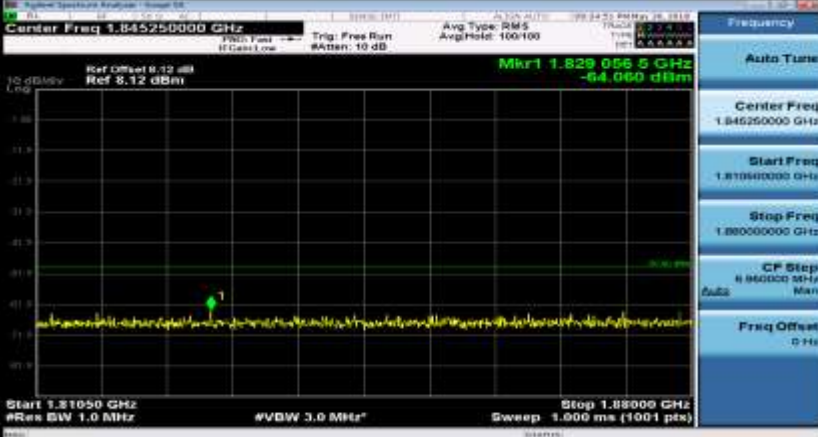
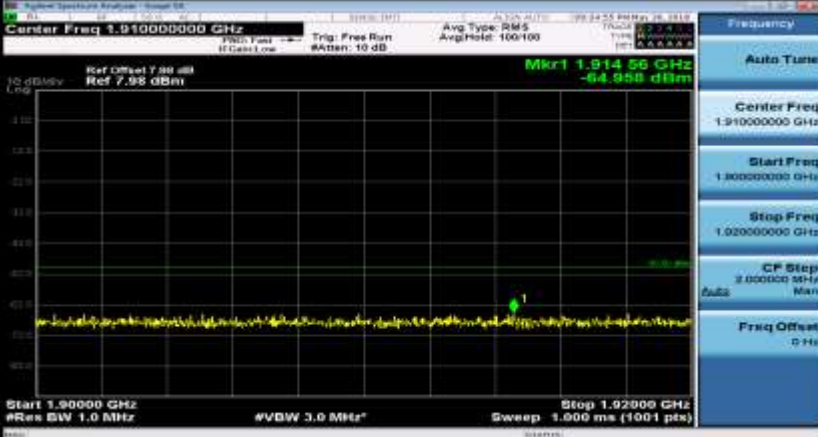
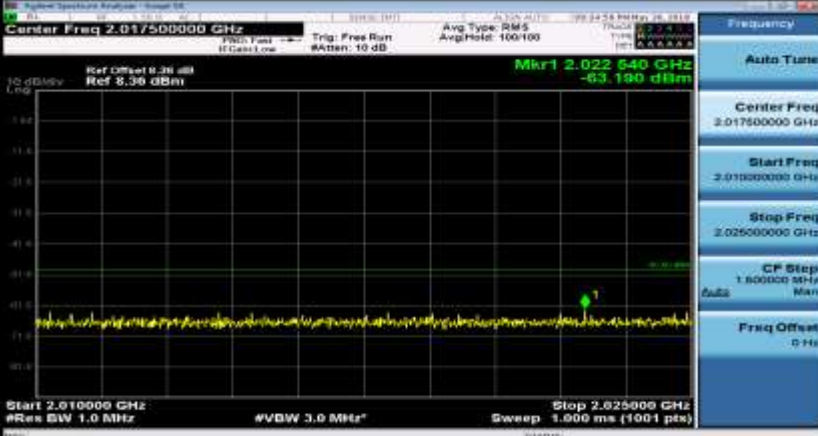
General			
General			
General			

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

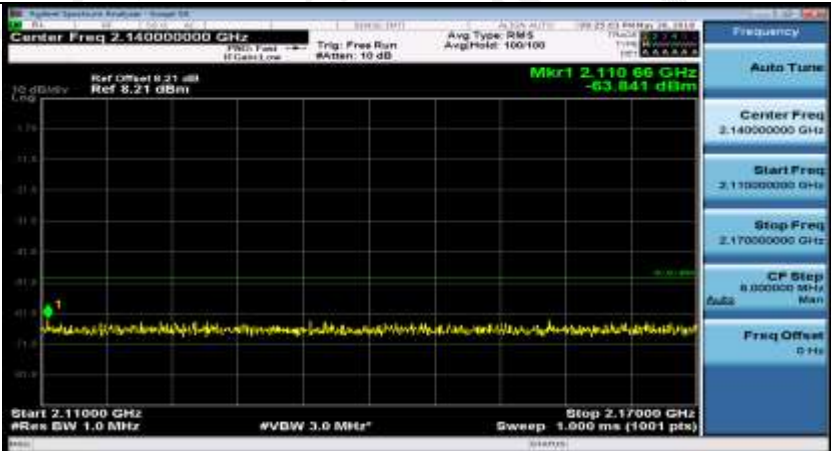
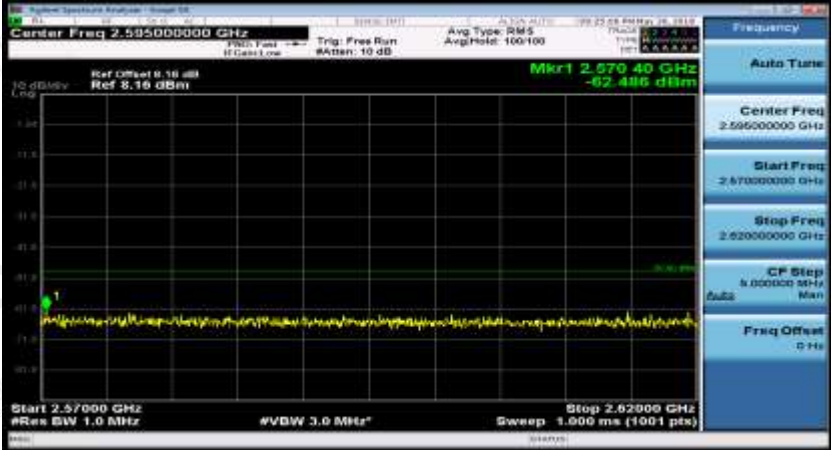
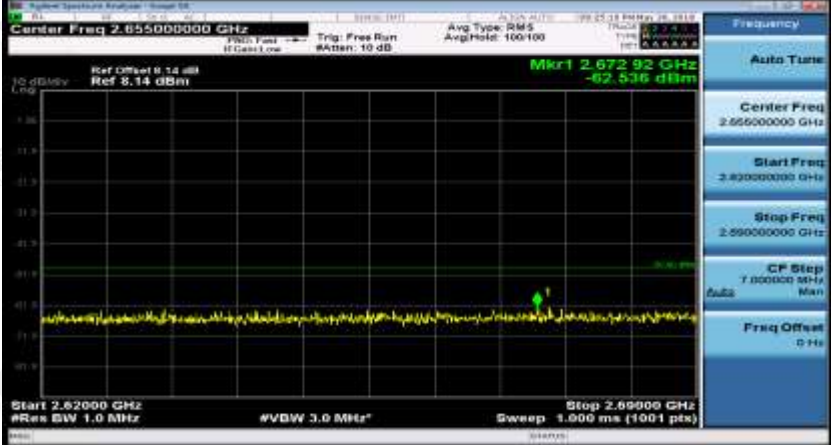
General			
Co-existence			
Co-existence			

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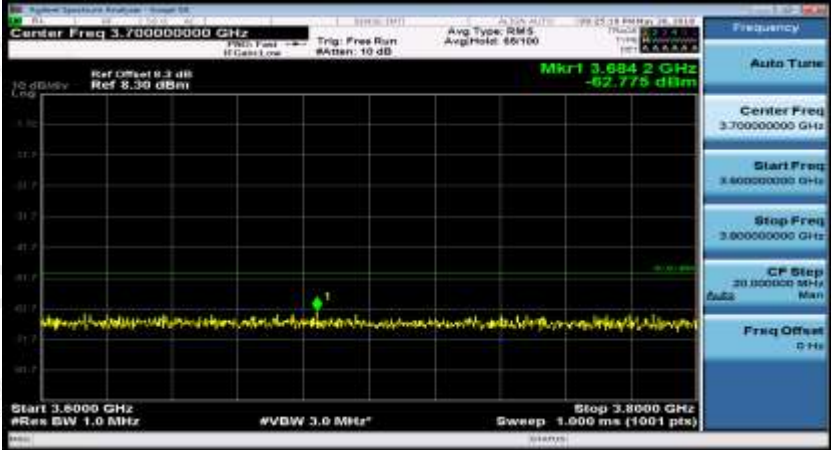
Co-existence			
Co-existence			
Co-existence			

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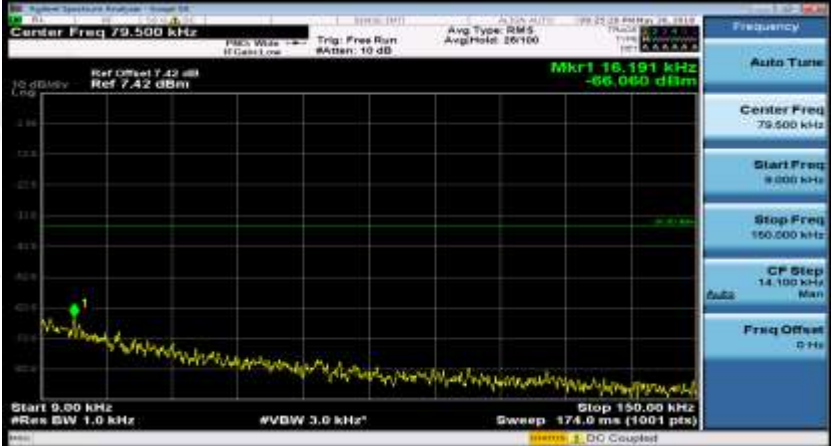
Co-existence	
Co-existence	
Co-existence	

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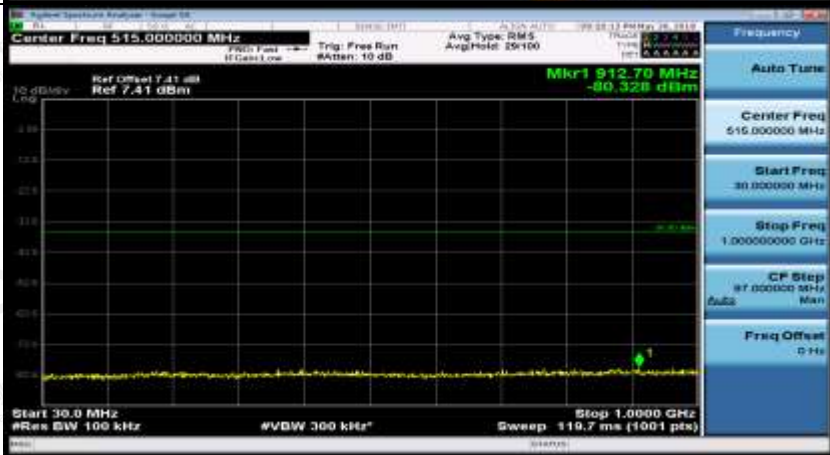


Co-existence	
Co-existence	
Additional	NA

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

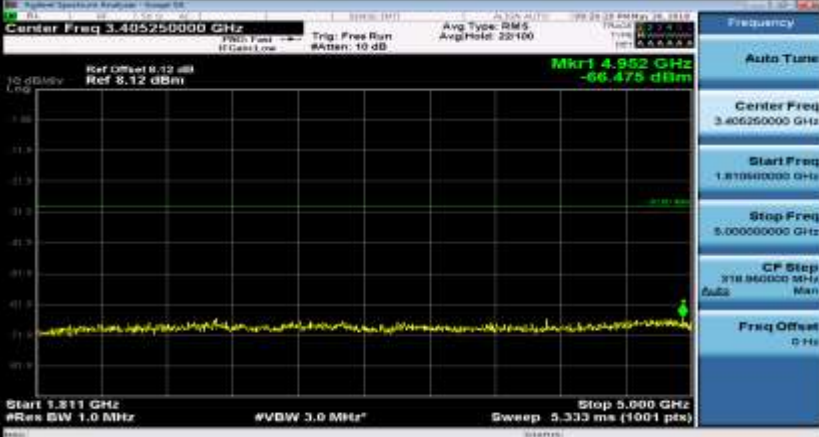


General	
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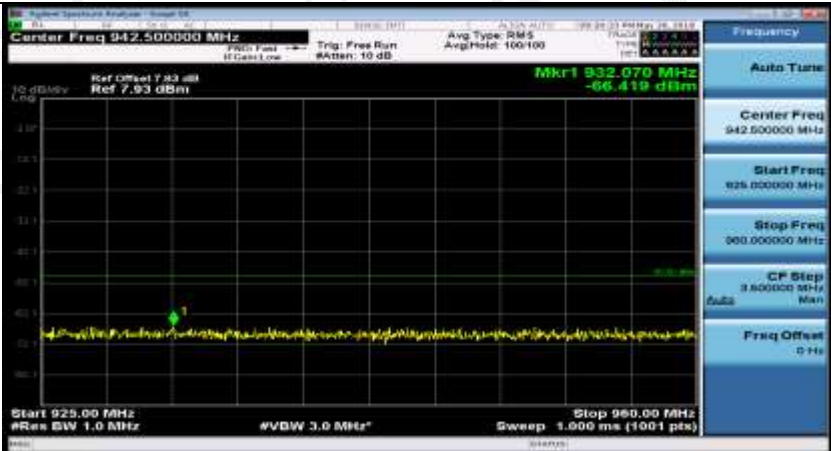
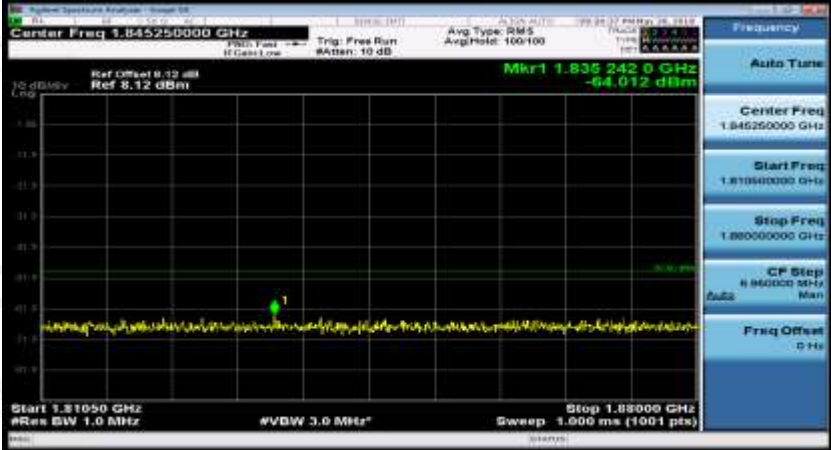
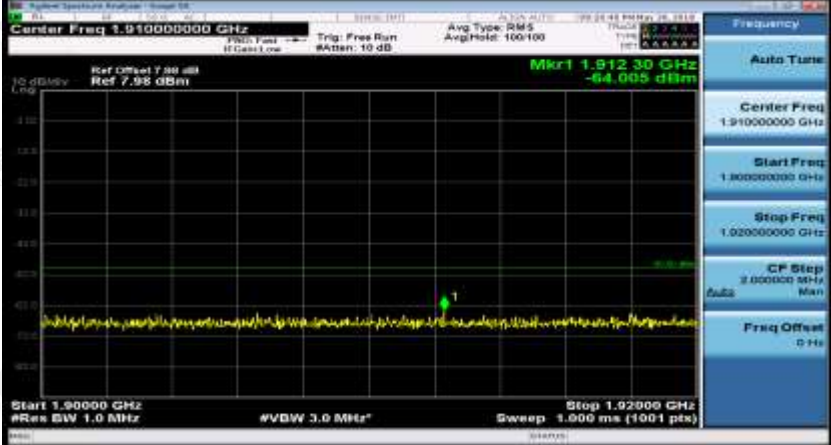
General			
General			
General			

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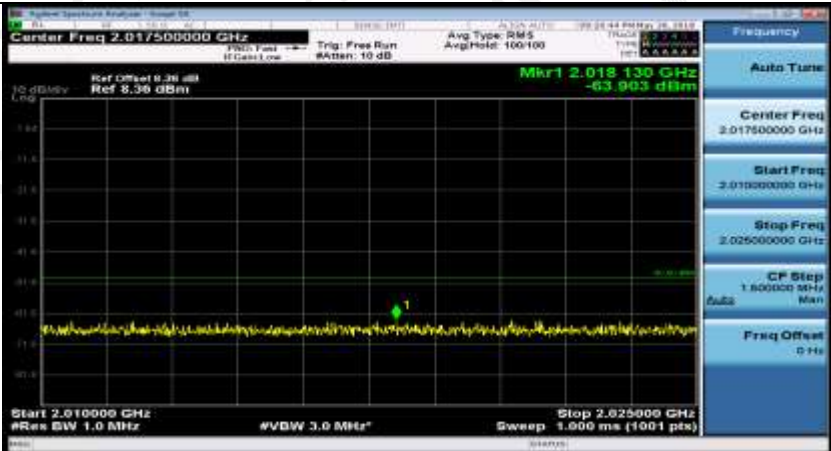
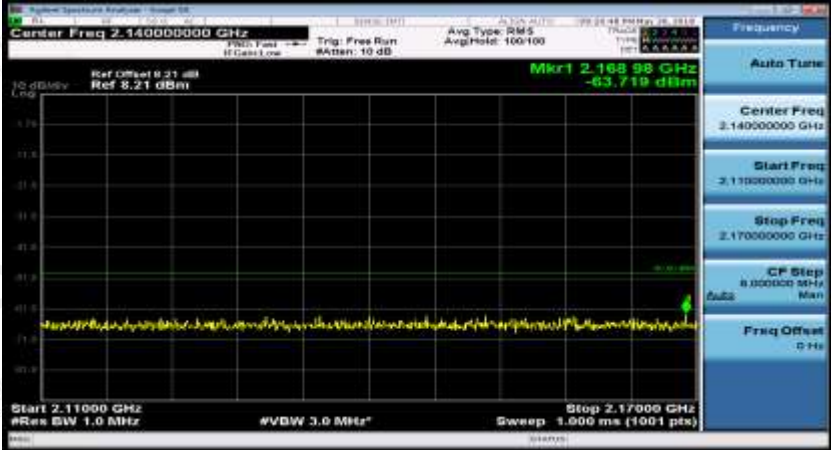
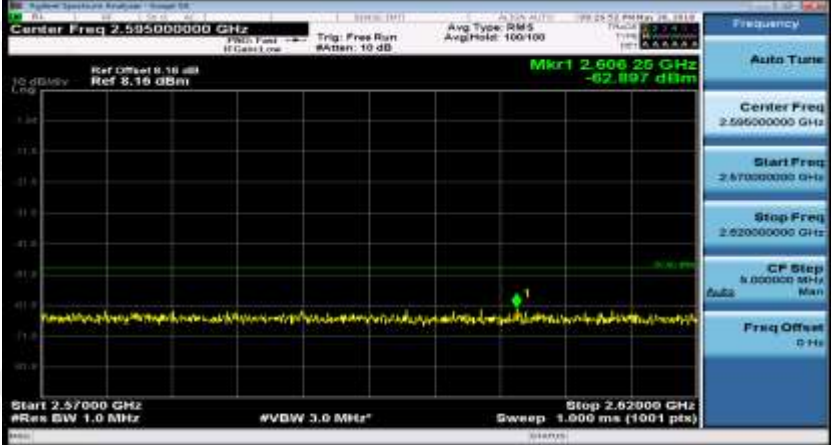
General			
General			
Co-existence			

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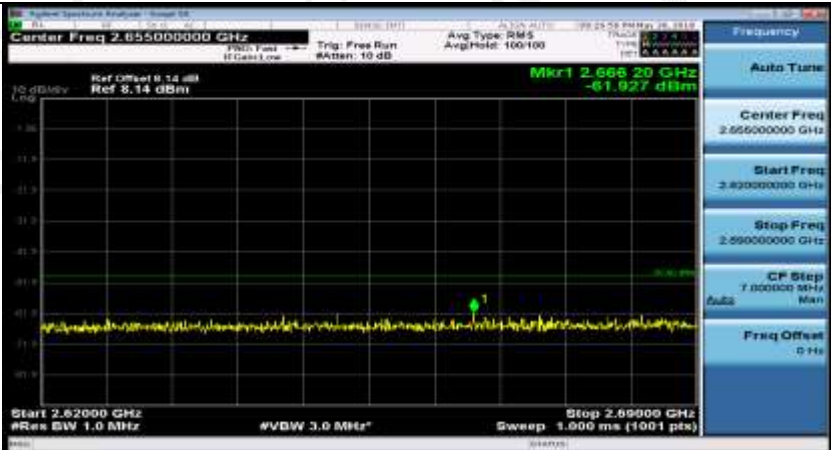
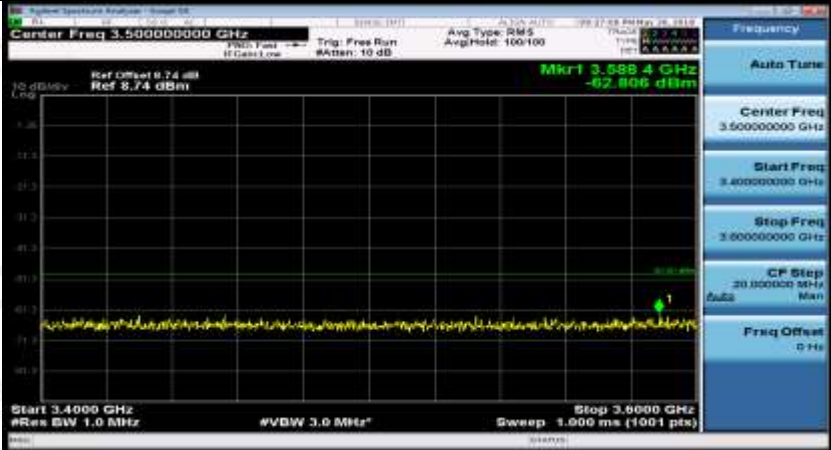
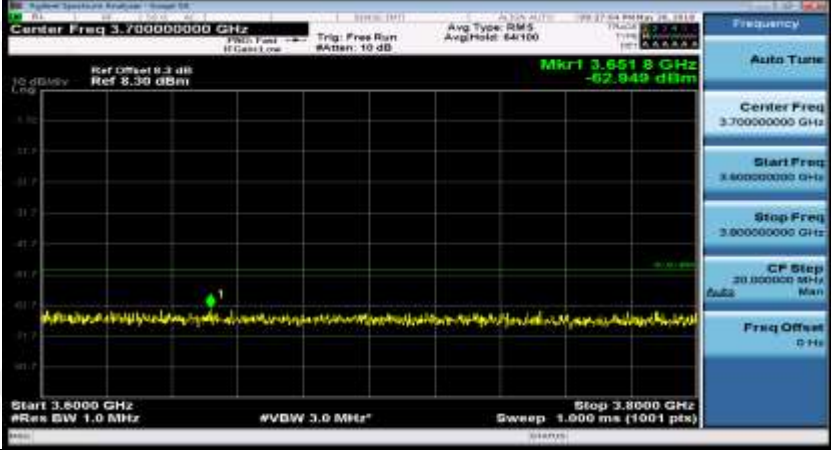
Co-existence	
Co-existence	
Co-existence	

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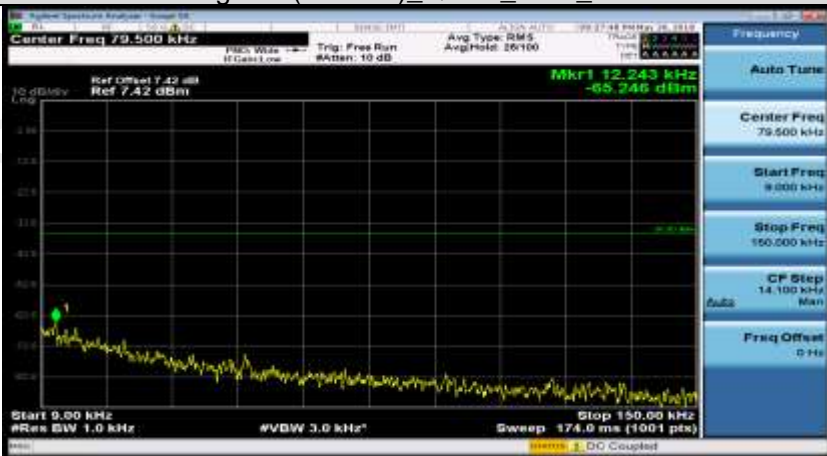
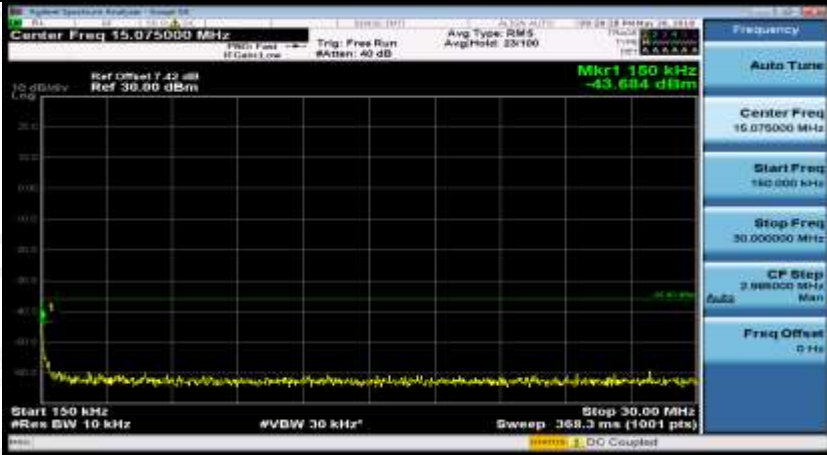
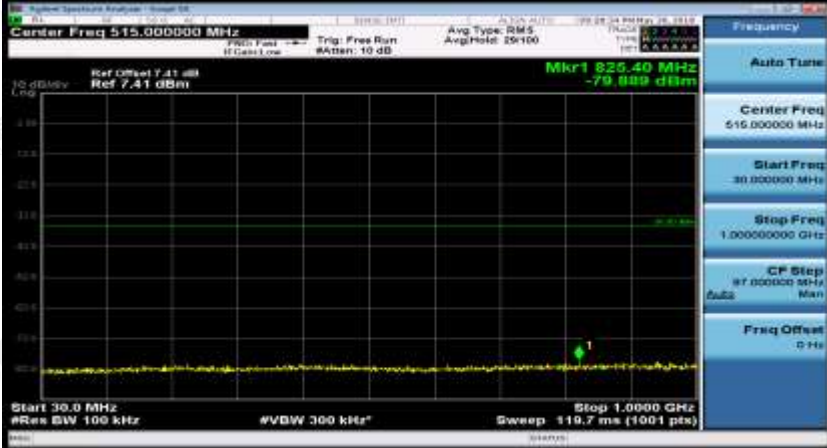
Co-existence	
Co-existence	
Co-existence	

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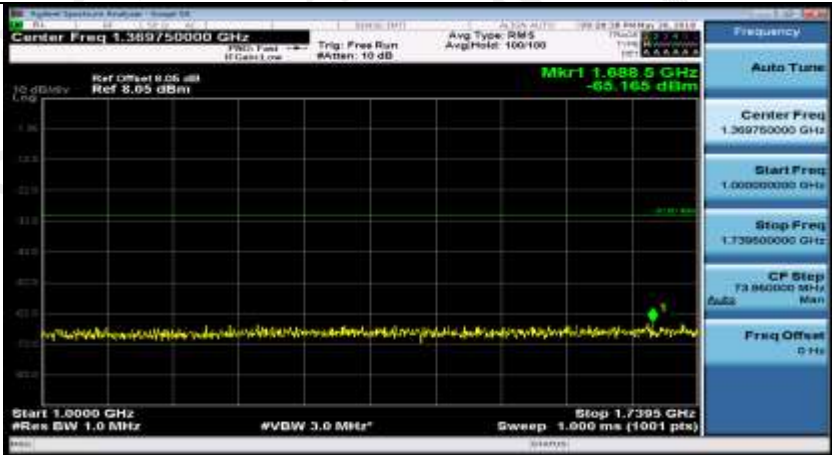

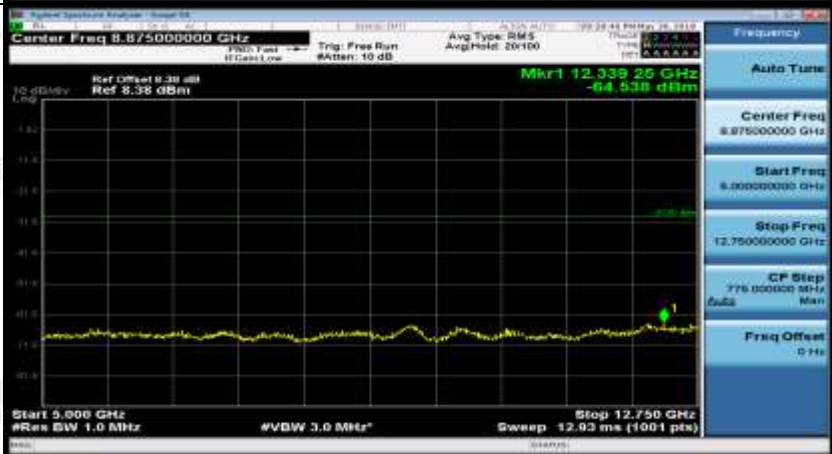
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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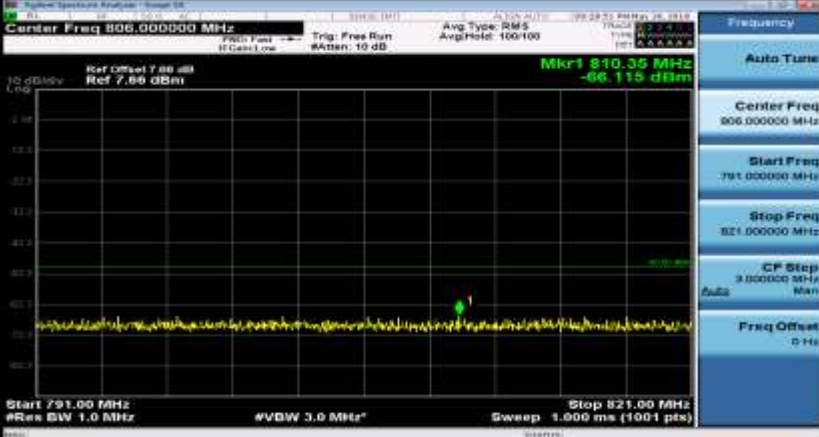
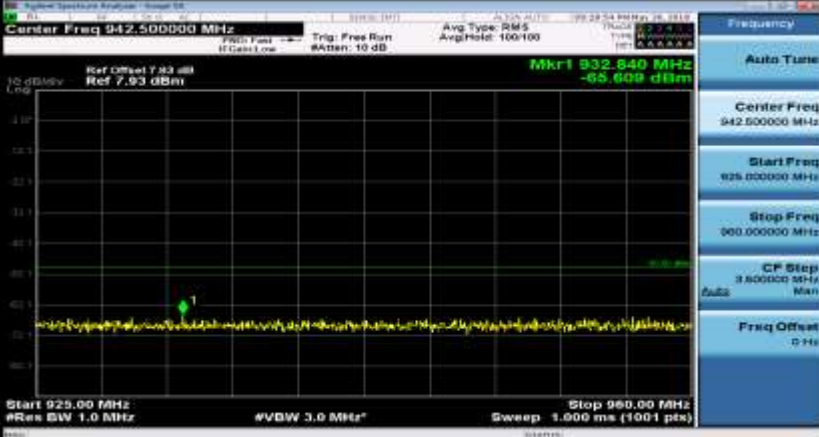
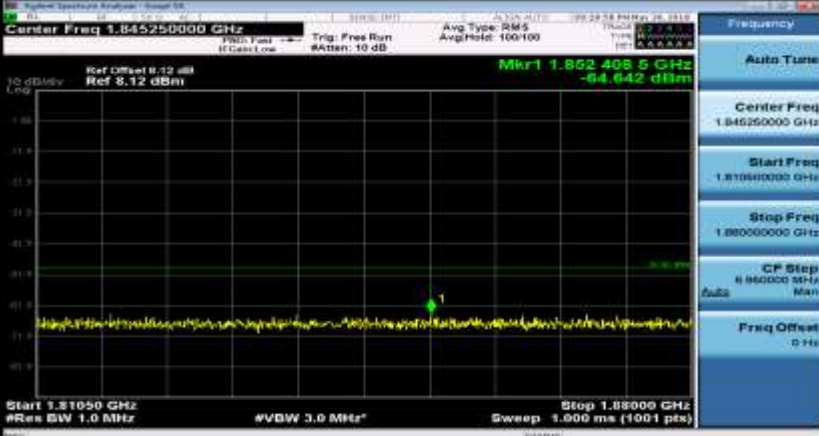
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullRB#0		
General		
General		
General		

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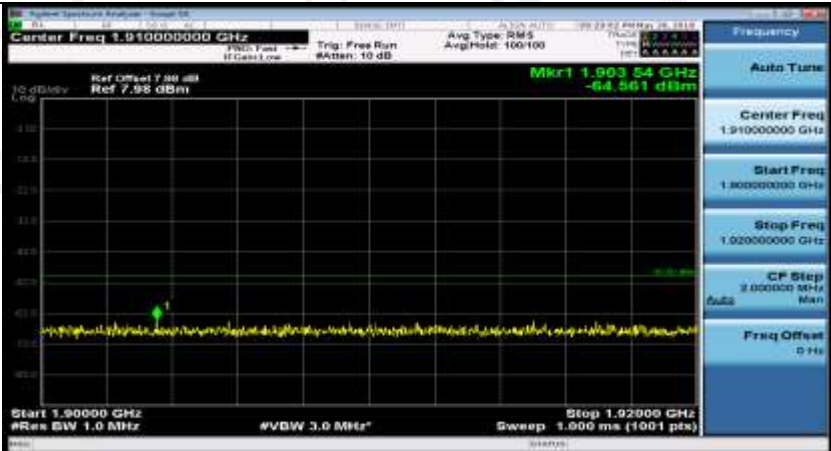
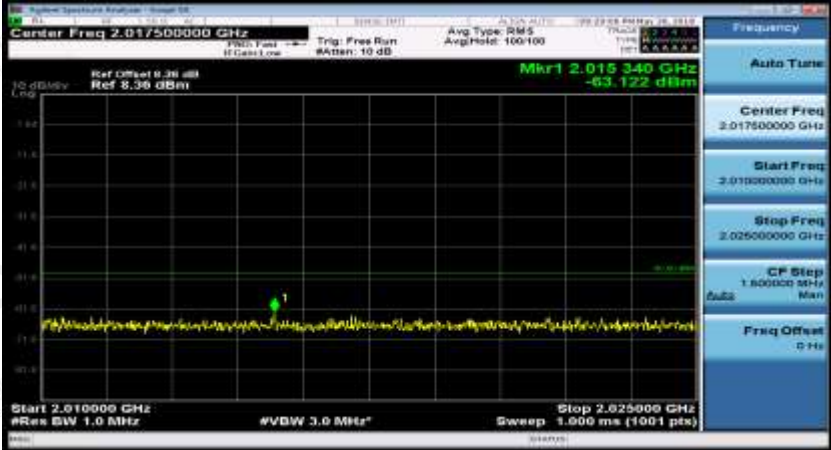
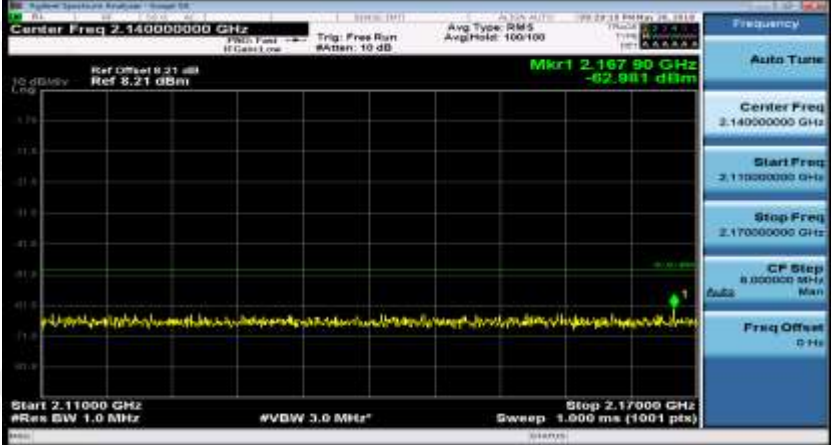
General			
General			
General			

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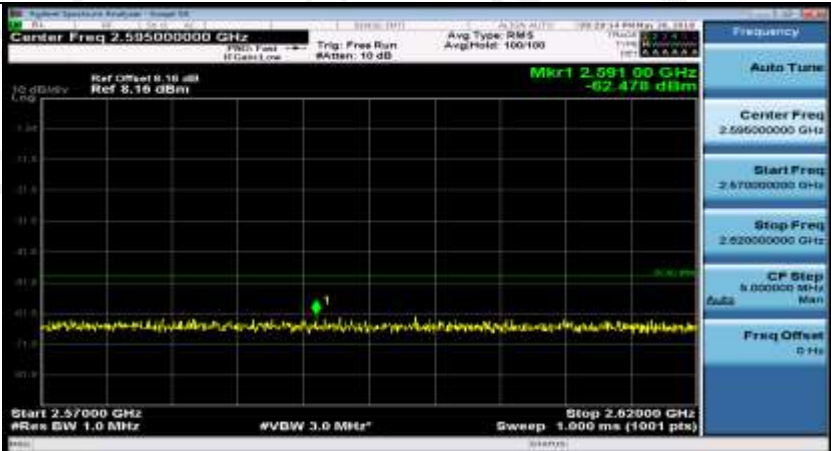
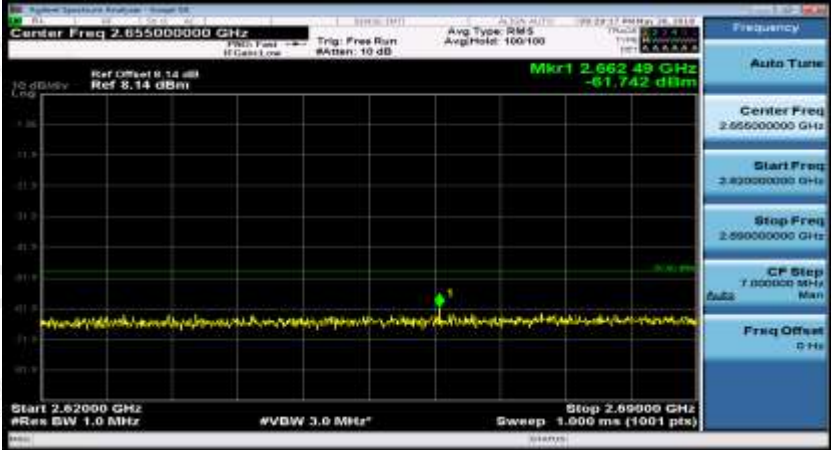
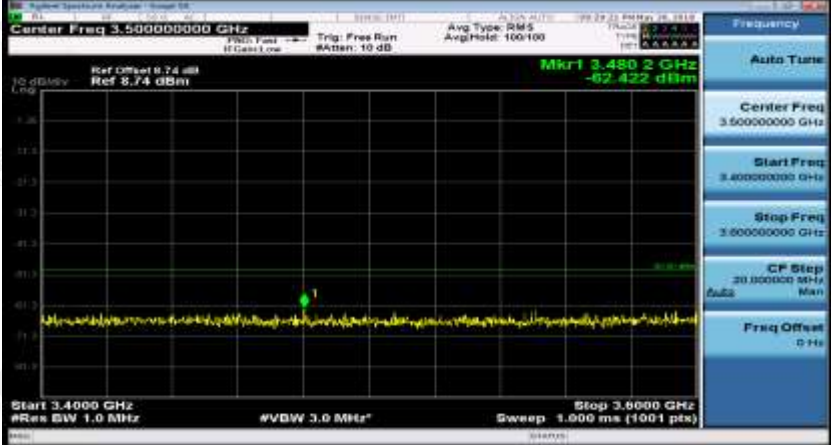
Co-existence			
Co-existence			
Co-existence			

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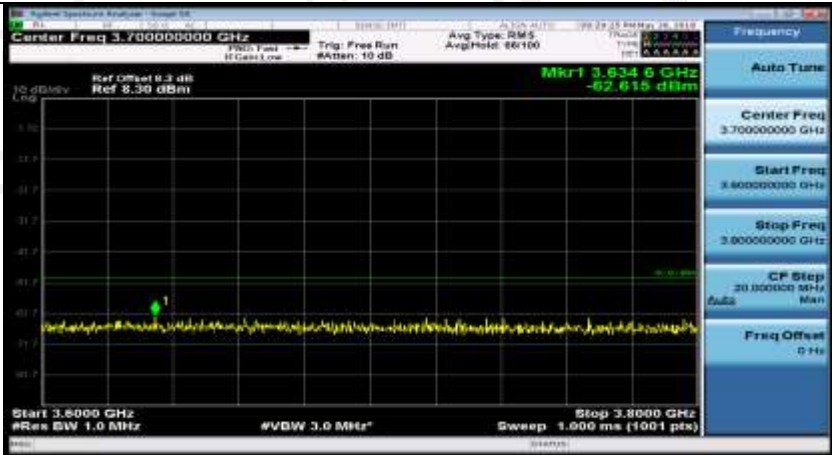
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

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## 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_ORB#0	
LCH	
LCH	

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## 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, 1.4MHz, 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
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	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 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				

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## 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, 1.4MHz, 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	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	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	$\geq 95\%$
5MHz	QPSK	Full	QPSK	15,20,25	$\geq 95\%$
20MHz	QPSK	Full	QPSK	50	$\geq 95\%$
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 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	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %

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20MHz	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 20MHz			
Test Parameters for Channel Bandwidths					
	Downlink Configuration				Downlink Configuration
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK
5MHz	QPSK	10MHz	QPSK	5MHz	QPSK
20MHz	QPSK	20MHz	QPSK	20MHz	QPSK
Verdict	Pass				

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## 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, 1.4MHz, 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
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	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 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				

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## 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, 1.4MHz, Highest 20MHz				
Test Parameters for Channel Bandwidths						
	Downlink Configuration				Downlink Configuration	
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n	Ch BW
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz
5MHz	QPSK	5MHz	QPSK	5MHz	QPSK	10MHz
20MHz	QPSK	20MHz	QPSK	20MHz	QPSK	20MHz
Verdict	Pass					

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## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

NTNV

	Test Band			Band 3			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,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		
TNVN	1.4MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	5MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	50	Pass	≥ 95 %
	Verdict	Pass					

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## 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	-78.07	-78.33	-78.75
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-73.21	-73.63	-73.99
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-72.32	-72.76	-72.89

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## Appendix C for Band 7

### 1. Transmitter Maximum Output Power

#### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

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		
HTHV	QPSK	5 MHz	Low range	1	0	21.93	Pass
					max	22.00	Pass
				Partial	0	22.03	Pass
					max	22.09	Pass
			Mid range	1	0	22.44	Pass
					max	22.48	Pass
				Partial	0	22.48	Pass
					max	22.52	Pass
			High range	1	0	22.32	Pass
					max	22.29	Pass
				Partial	0	22.46	Pass
					max	22.44	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		
HTHV	QPSK	20 MHz	Low range	1	0	22.19	Pass
					max	22.44	Pass
				Partial	0	22.12	Pass
					max	22.29	Pass
			Mid range	1	0	22.58	Pass
					max	22.72	Pass
				Partial	0	22.50	Pass
					max	22.58	Pass
			High range	1	0	22.73	Pass
					max	22.58	Pass
				Partial	0	22.56	Pass
					max	22.44	Pass

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## 2. Transmitter Minimum Output Power

### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTHV

**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		
LTHV	QPSK	5 MHz	Low range	Full	0	-48.94	Pass
			Mid range	Full	0	-54.28	Pass
			High range	Full	0	-54.23	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		
LTHV	QPSK	20 MHz	Low range	Full	0	-53.08	Pass
			Mid range	Full	0	-53.34	Pass
			High range	Full	0	-53.38	Pass

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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTN

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

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			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

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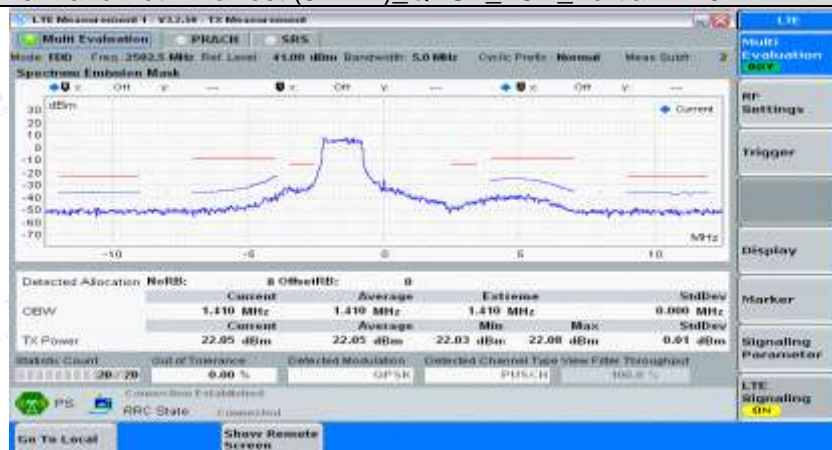
## Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

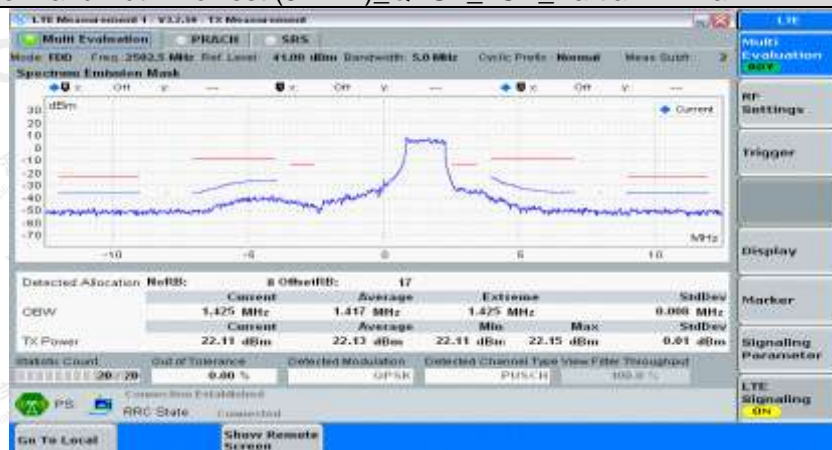
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0

QPSK



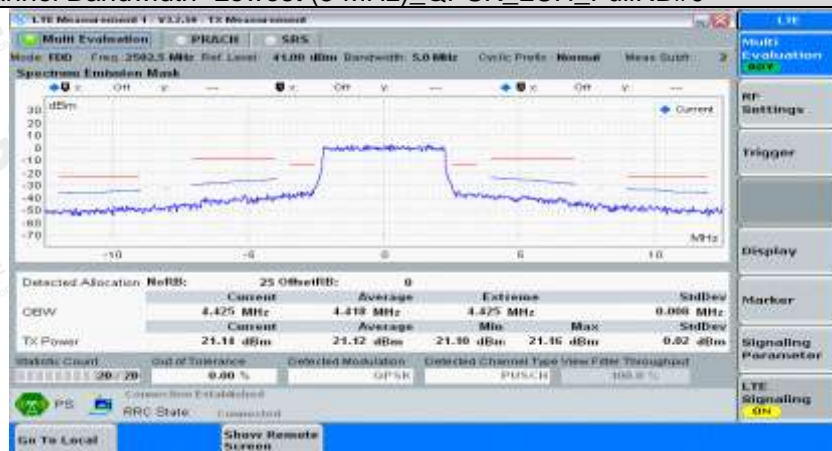
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max

QPSK



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

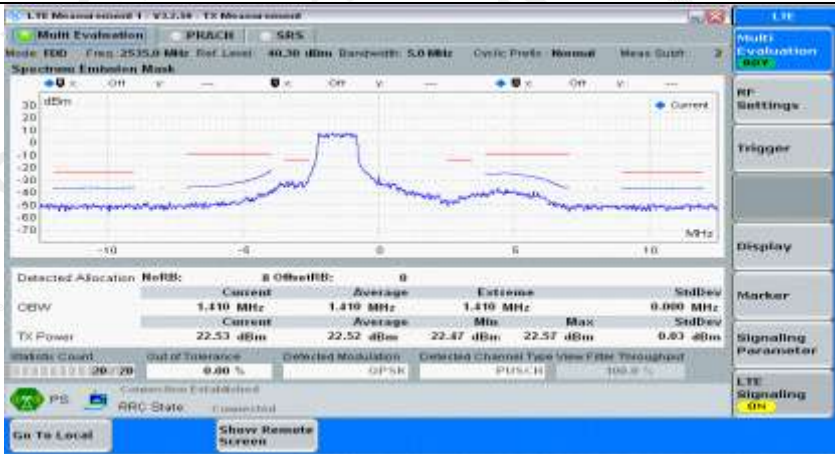
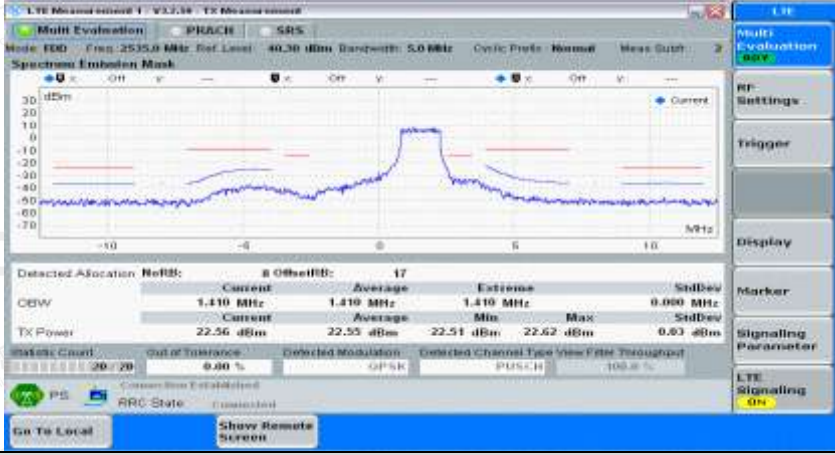
QPSK




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

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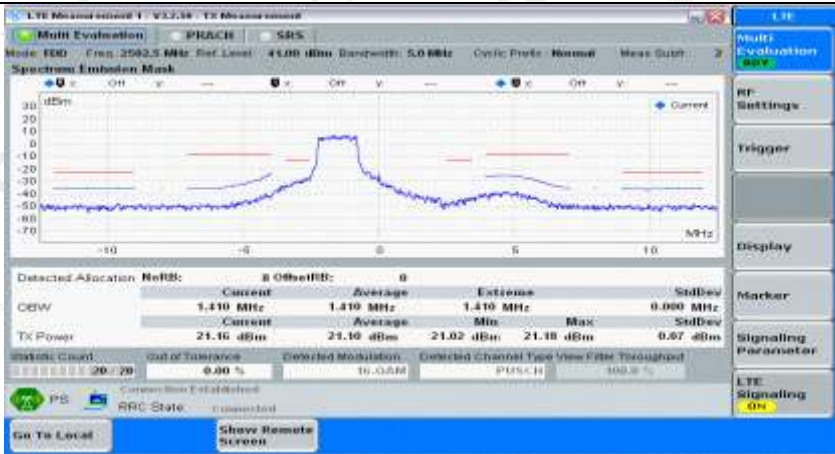

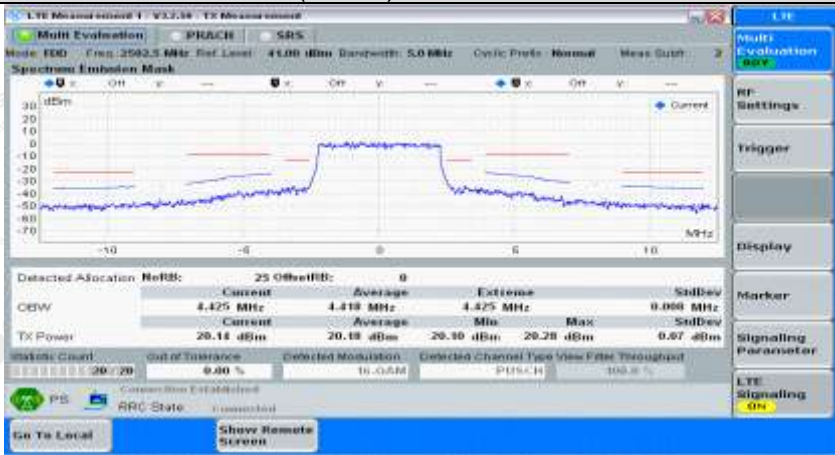
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	

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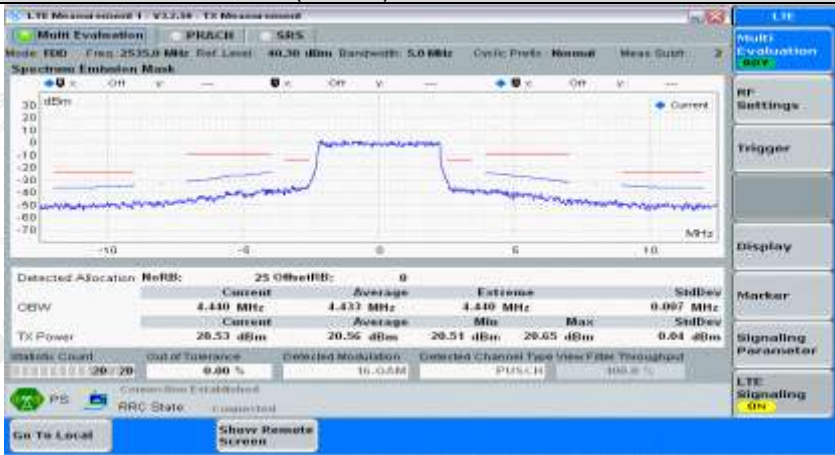
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

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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	

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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	

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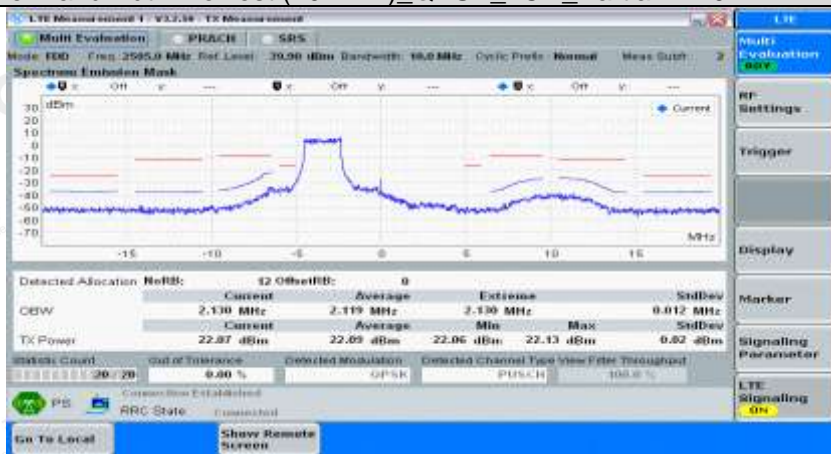
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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**Channel Bandwidth= (10 MHz)**

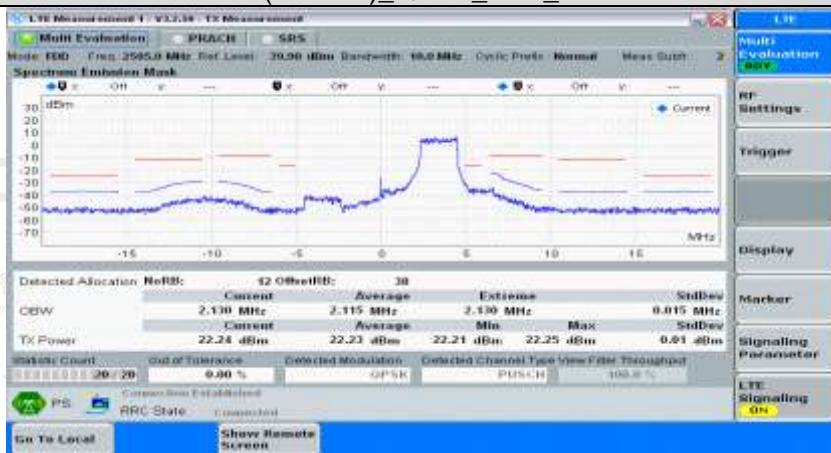
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



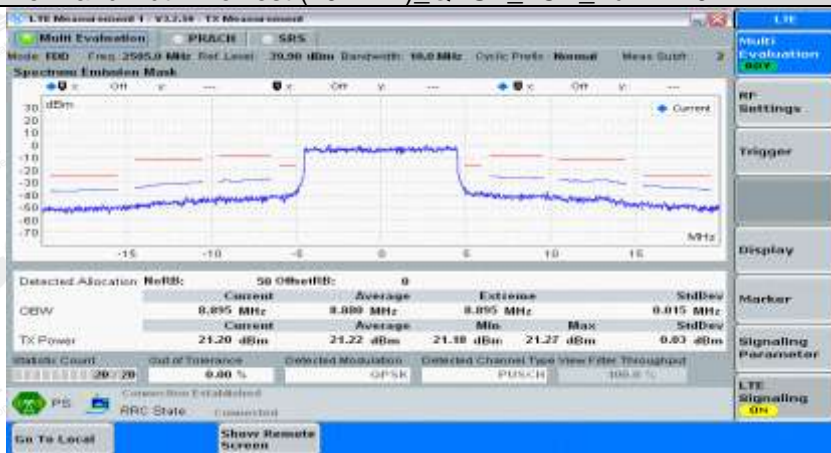
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK



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

QPSK

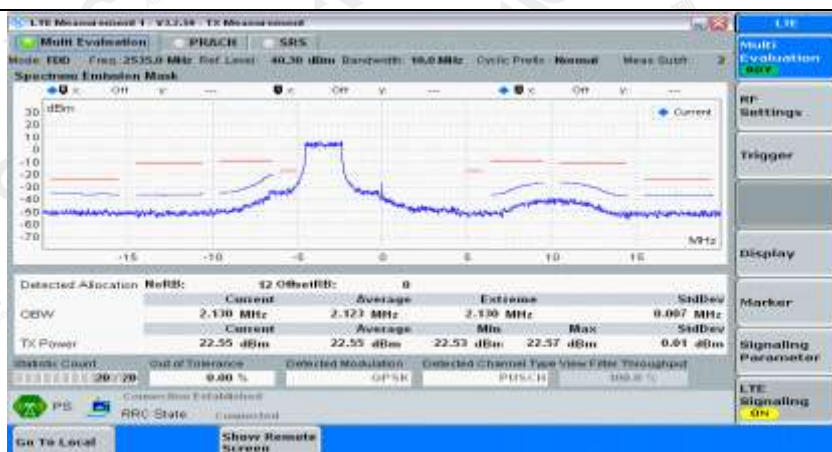


**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_PartialRB#0**

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QPSK



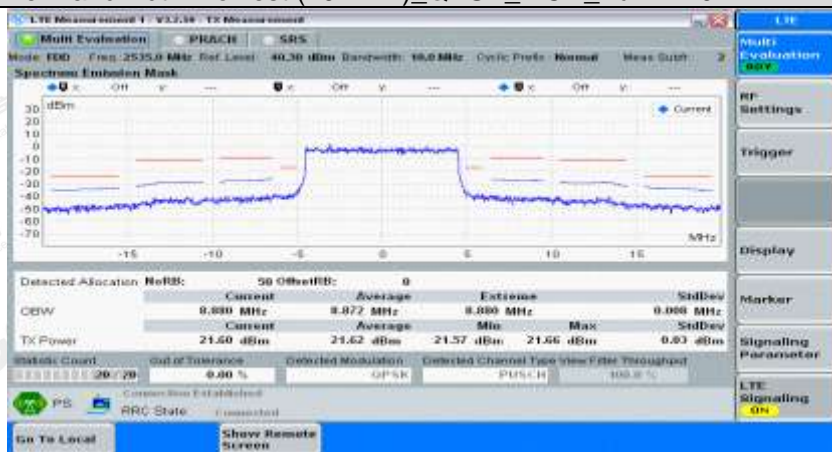
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



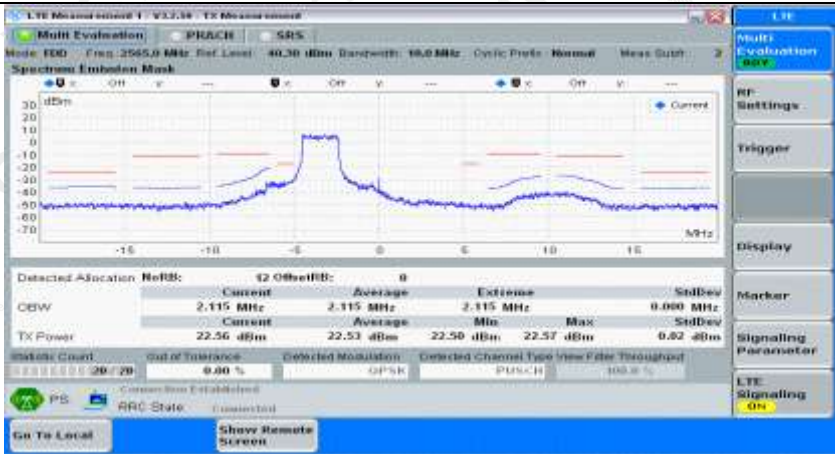
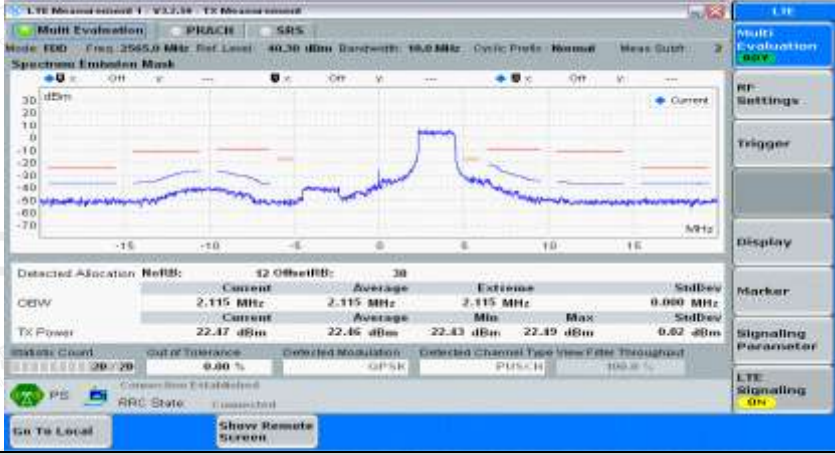
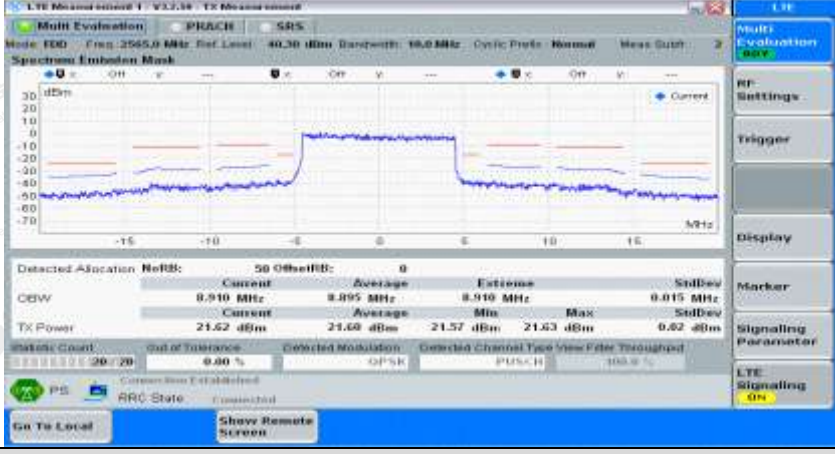
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_FullRB#0

QPSK



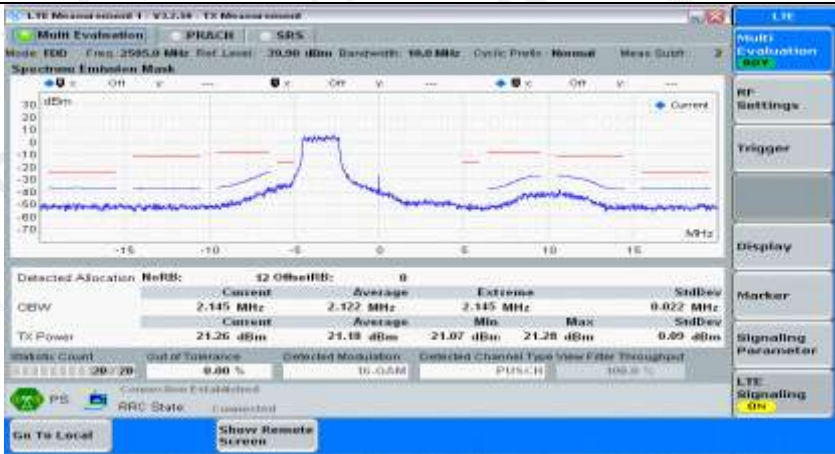
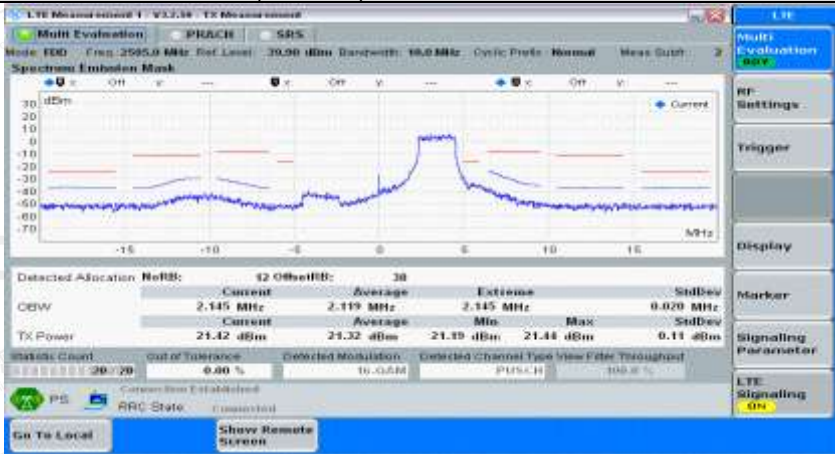
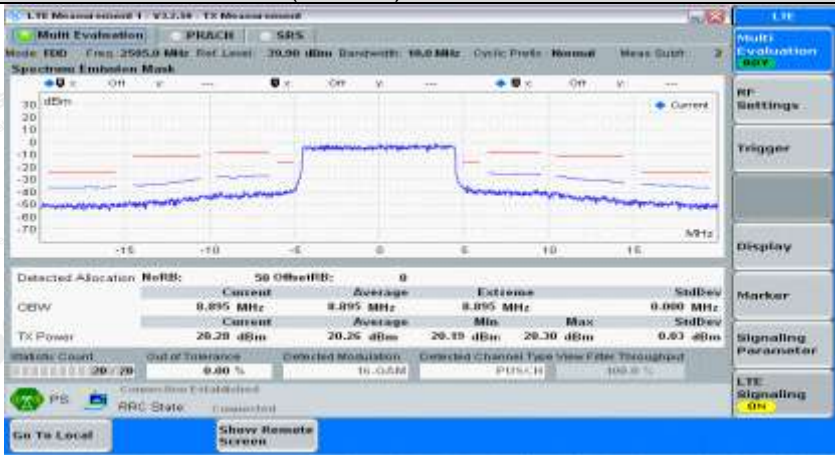
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_HCH\_PartialRB#0

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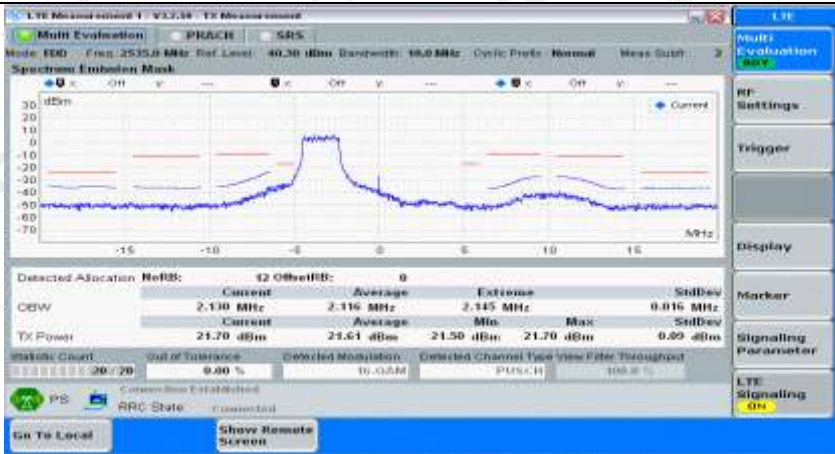

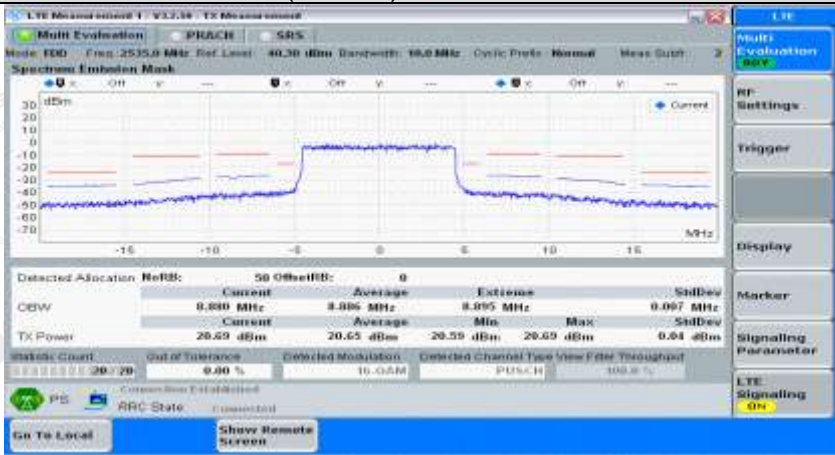
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

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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	

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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>

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

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

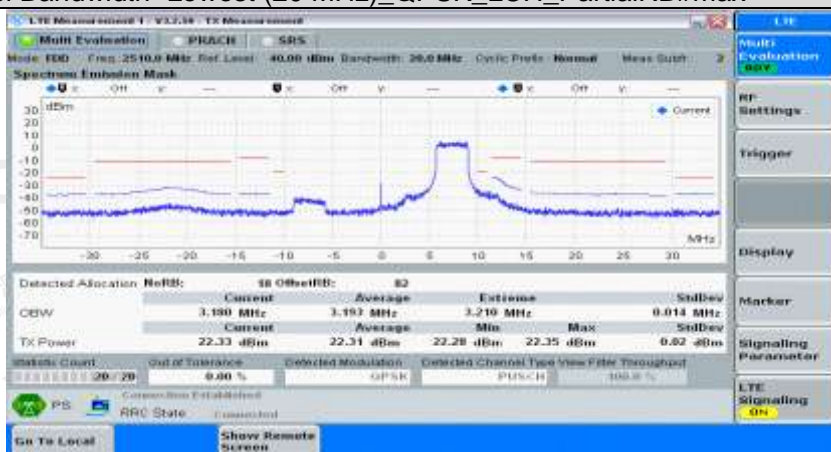
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



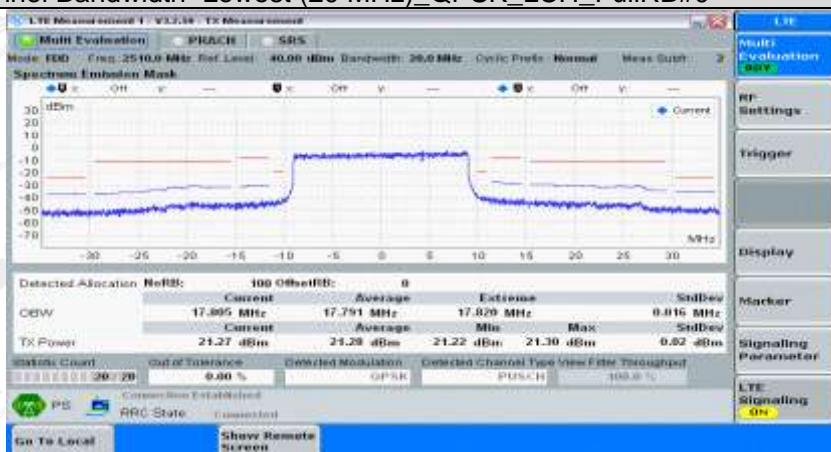
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK



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


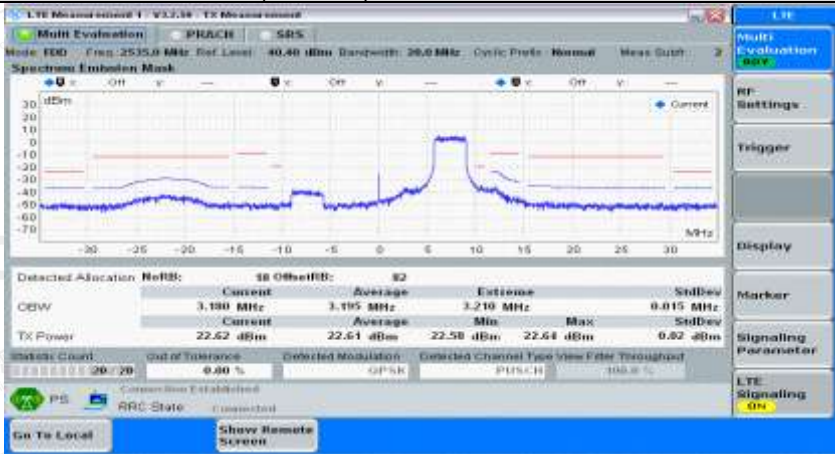
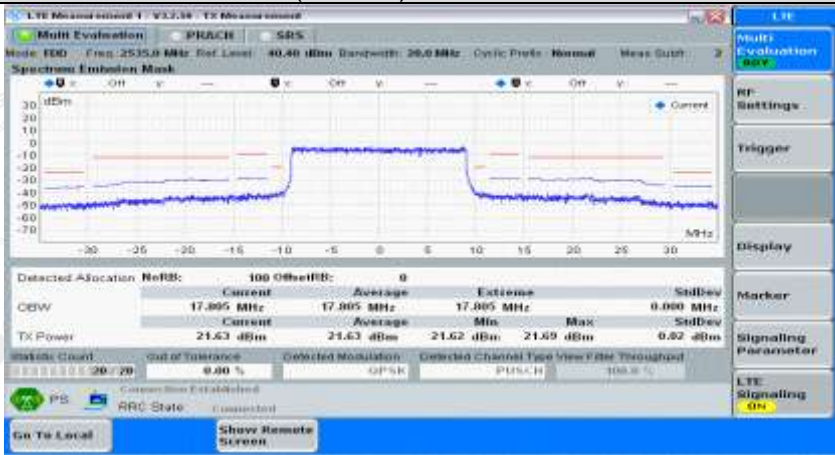
QPSK



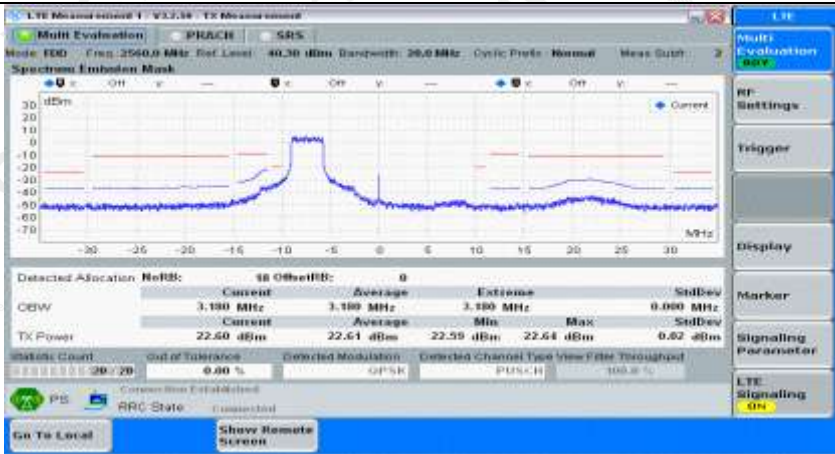
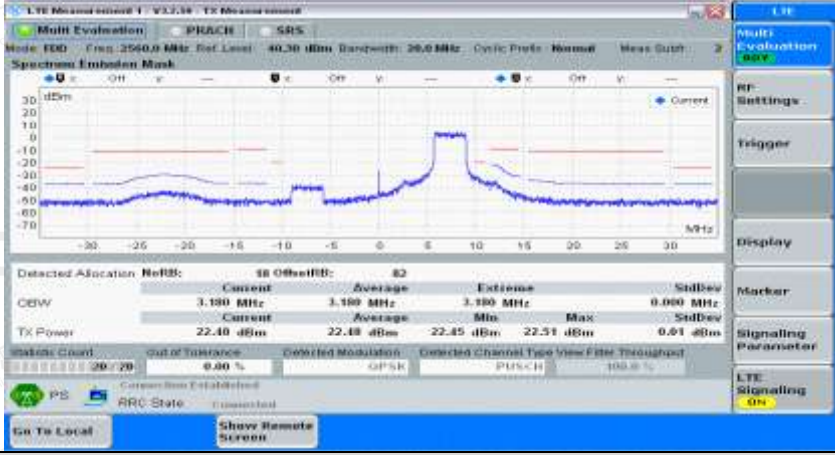
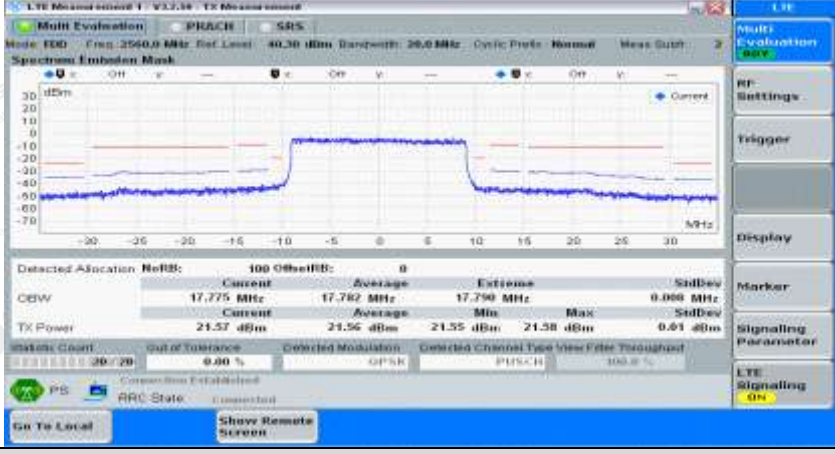
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_MCH\_PartialRB#0**

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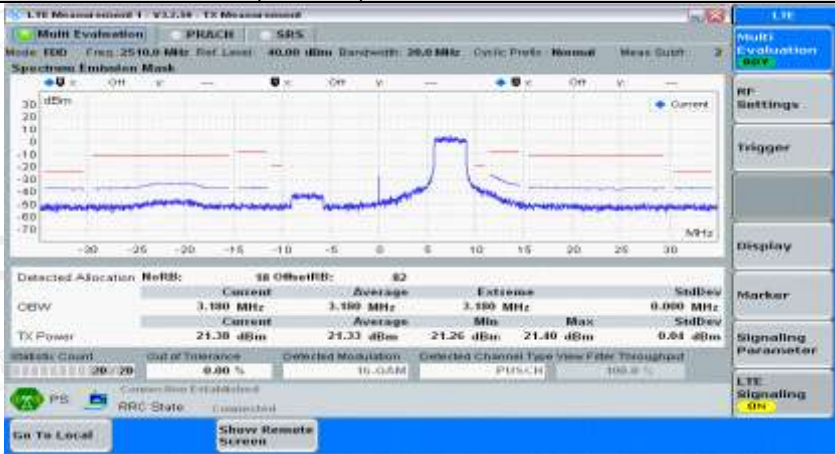
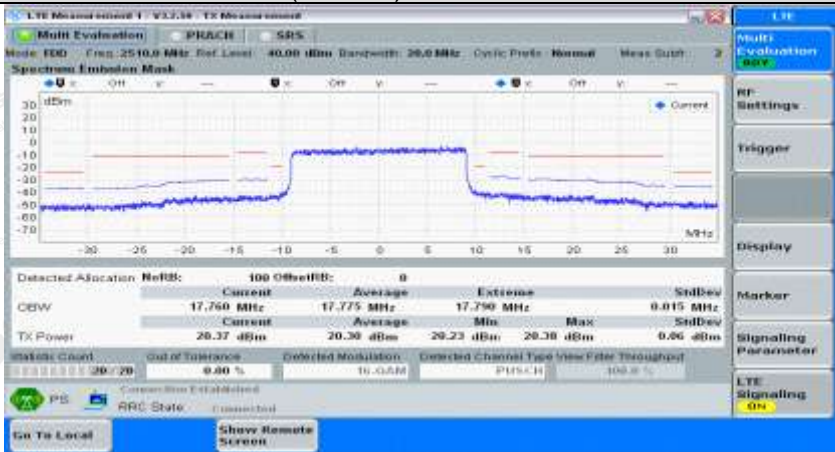
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

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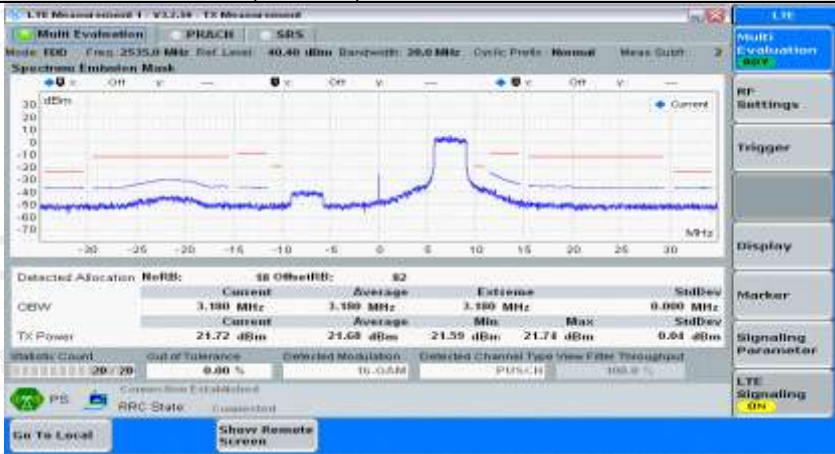
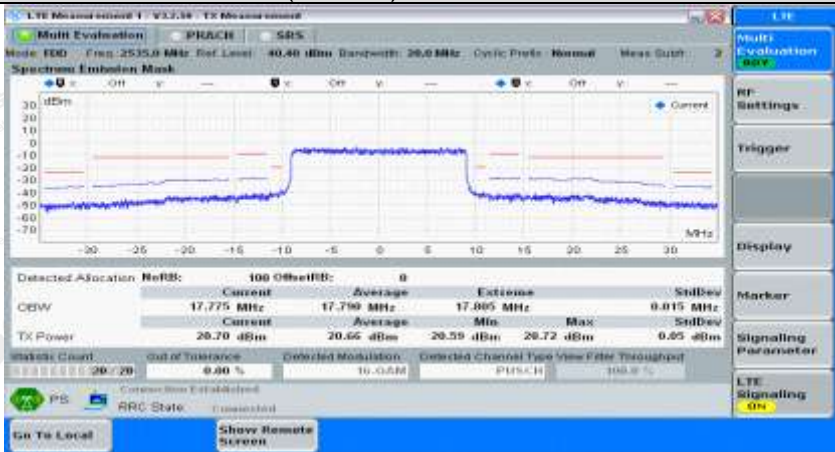
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	

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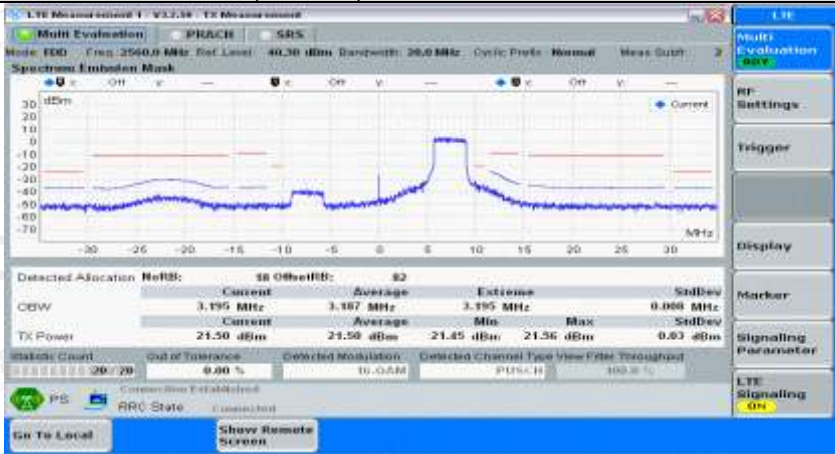
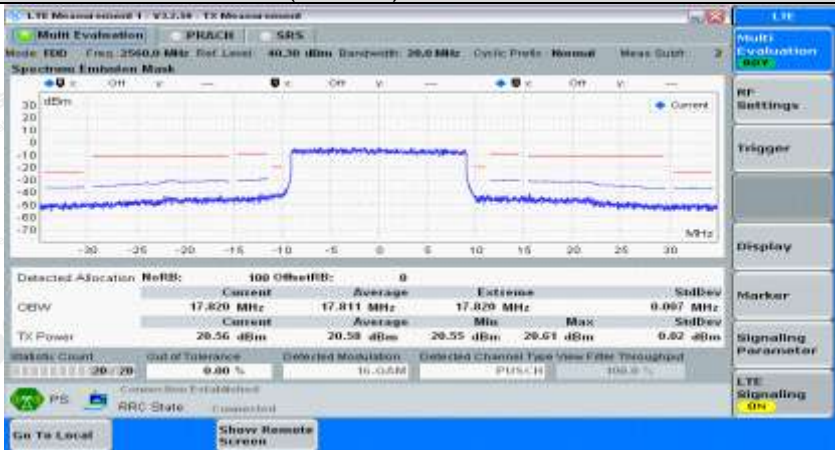
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	

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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	

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

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

##### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

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		
HTHV	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		
HTHV	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

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			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

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

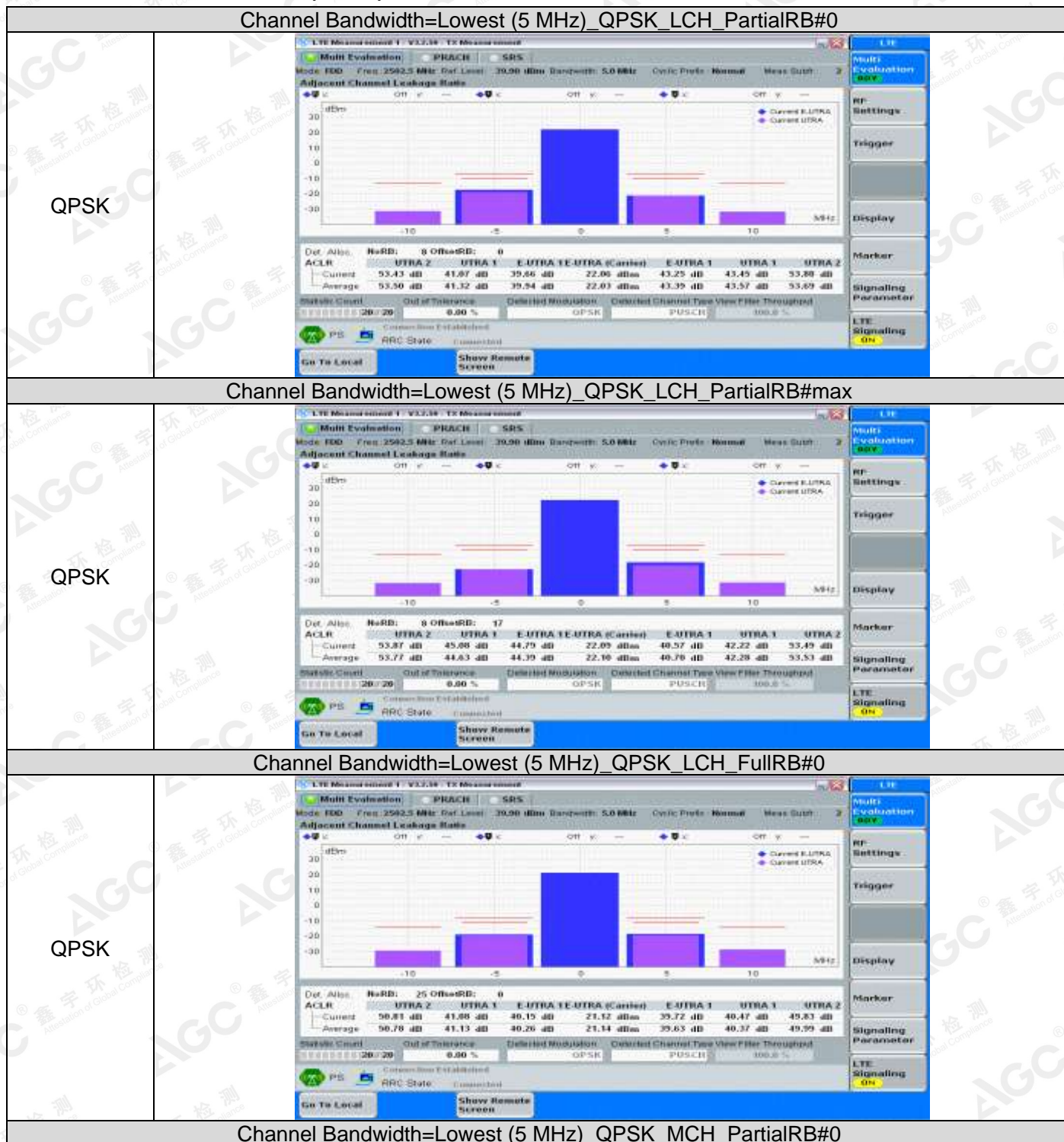
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
HTHV	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full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

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## Test Graphs




HTHV

Channel Bandwidth=Lowest (5 MHz)






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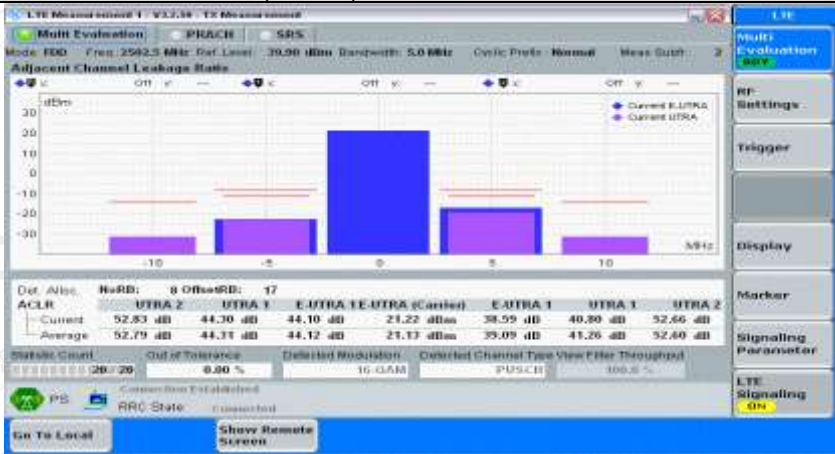
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0</p>

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

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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>

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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>

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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	

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**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**

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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>

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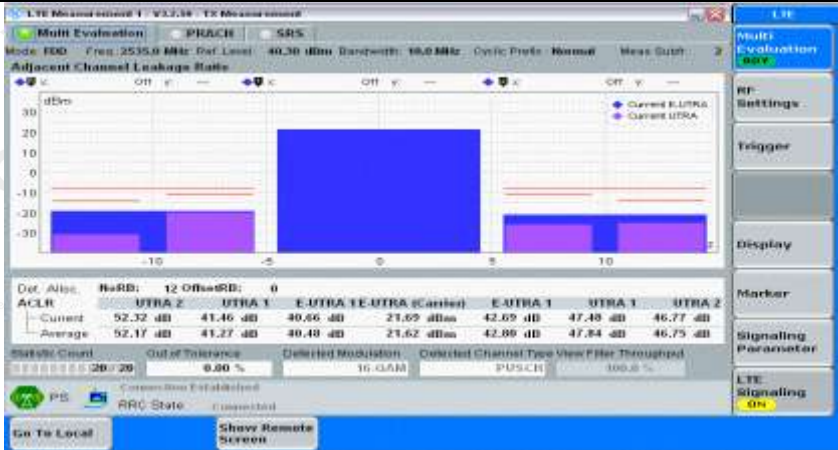

QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>

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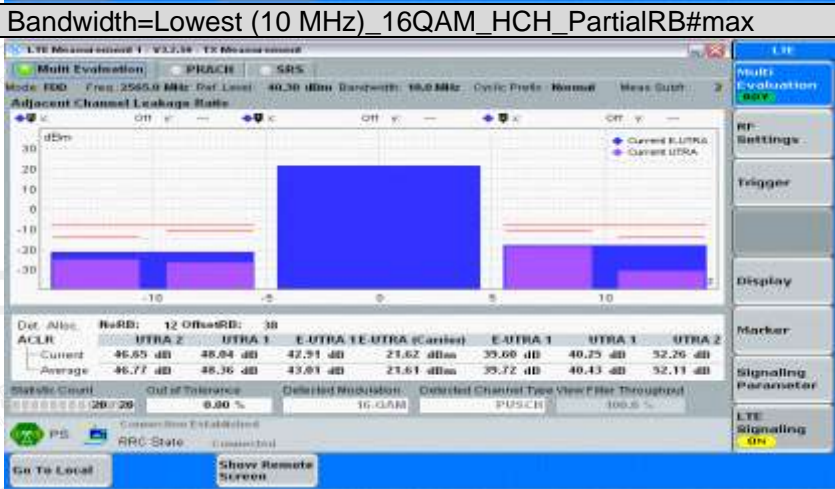
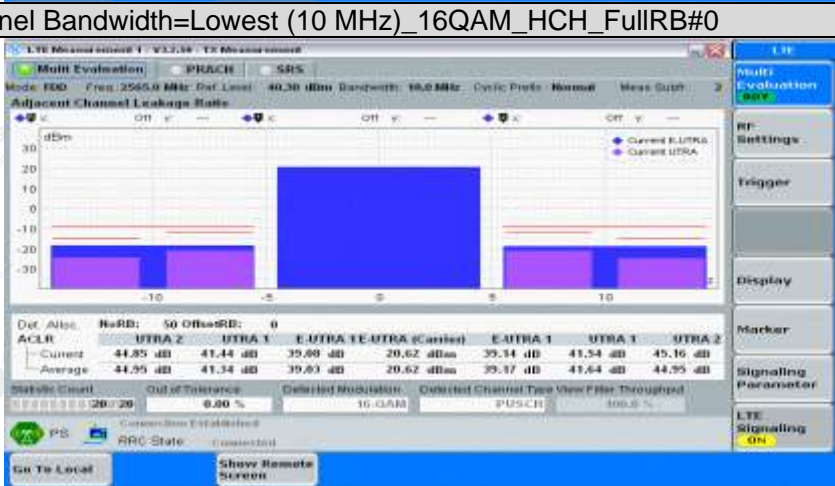
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

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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>

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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	

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**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**

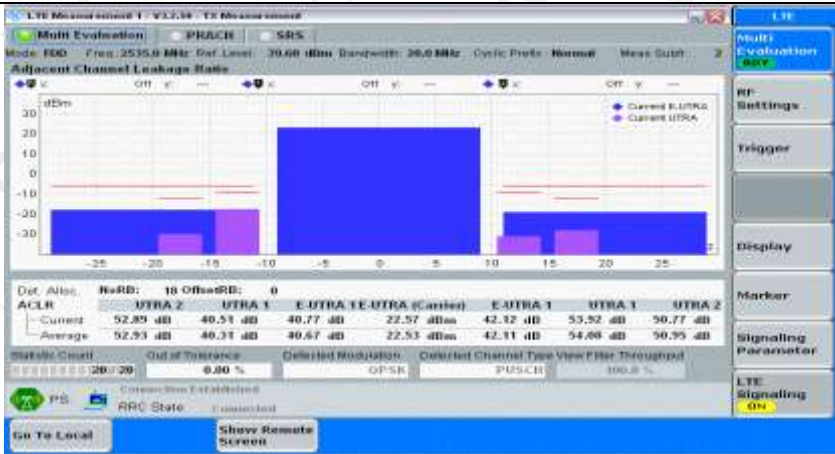

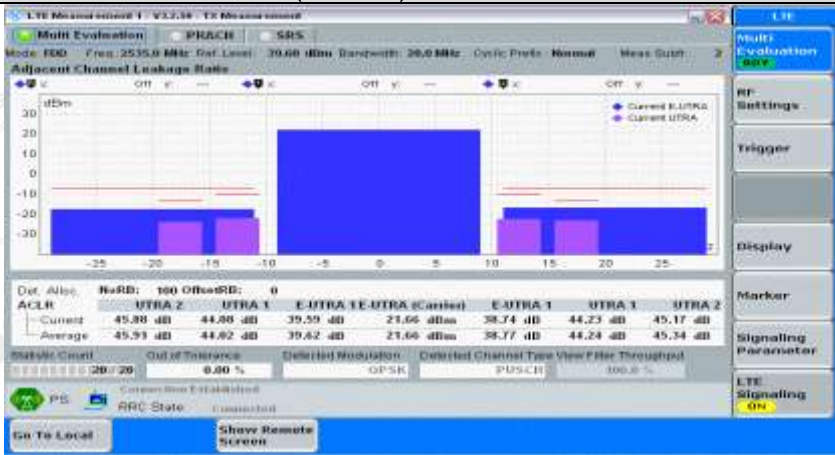
QPSK



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

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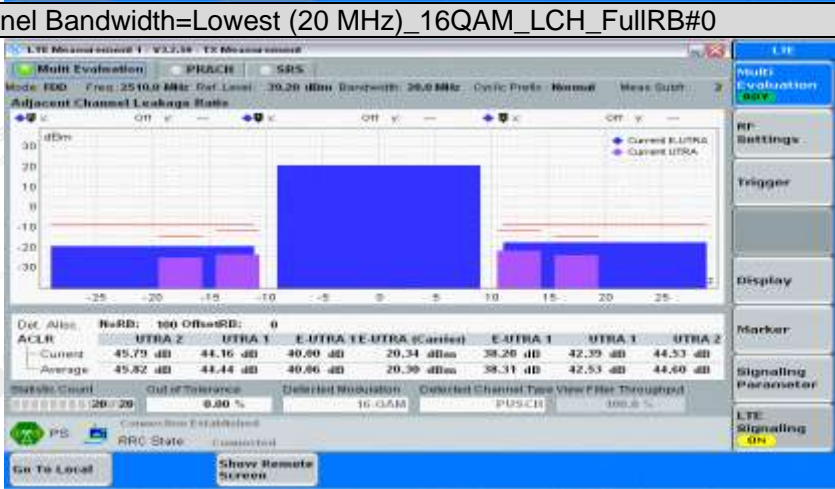
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>

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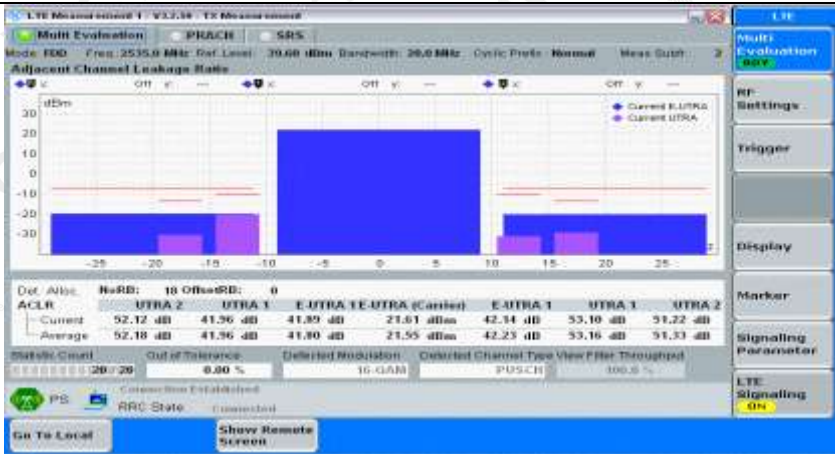
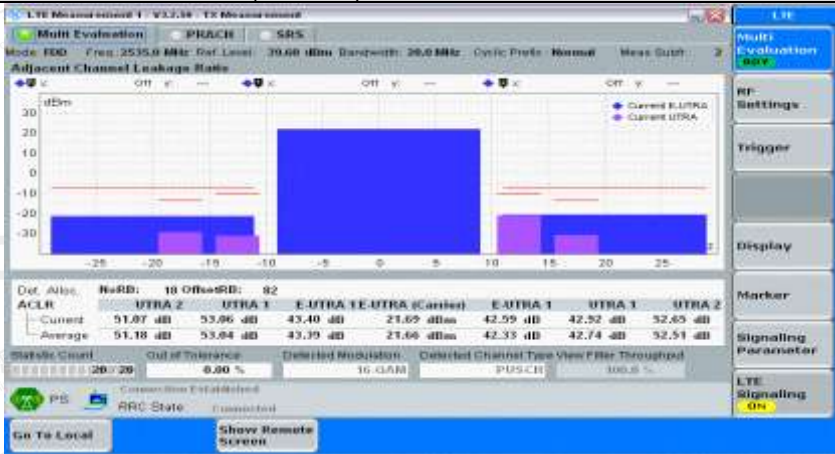
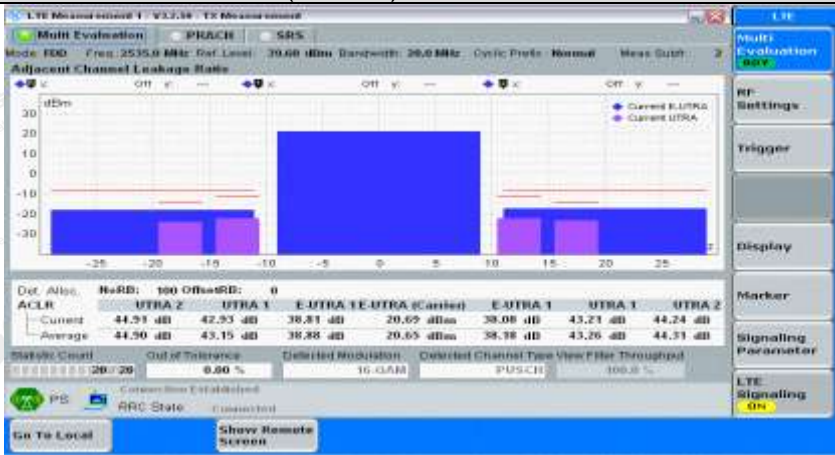
QPSK	<div><div><div><div><div><div>Multi Evaluation</div><div>PRACH</div><div>SRS</div></div><div>Mode: FDD</div><div>Freq: 2560.0 MHz</div><div>Ref Level: -39.40 dBm</div><div>Bandwidth: 20.0 MHz</div><div>Cyclic Prefix: Normal</div><div>Meas Subch: 2</div></div><div><div>Adjacent Channel Leakage Rate</div><div><div><div>dBm</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><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16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>

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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>

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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	

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## 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

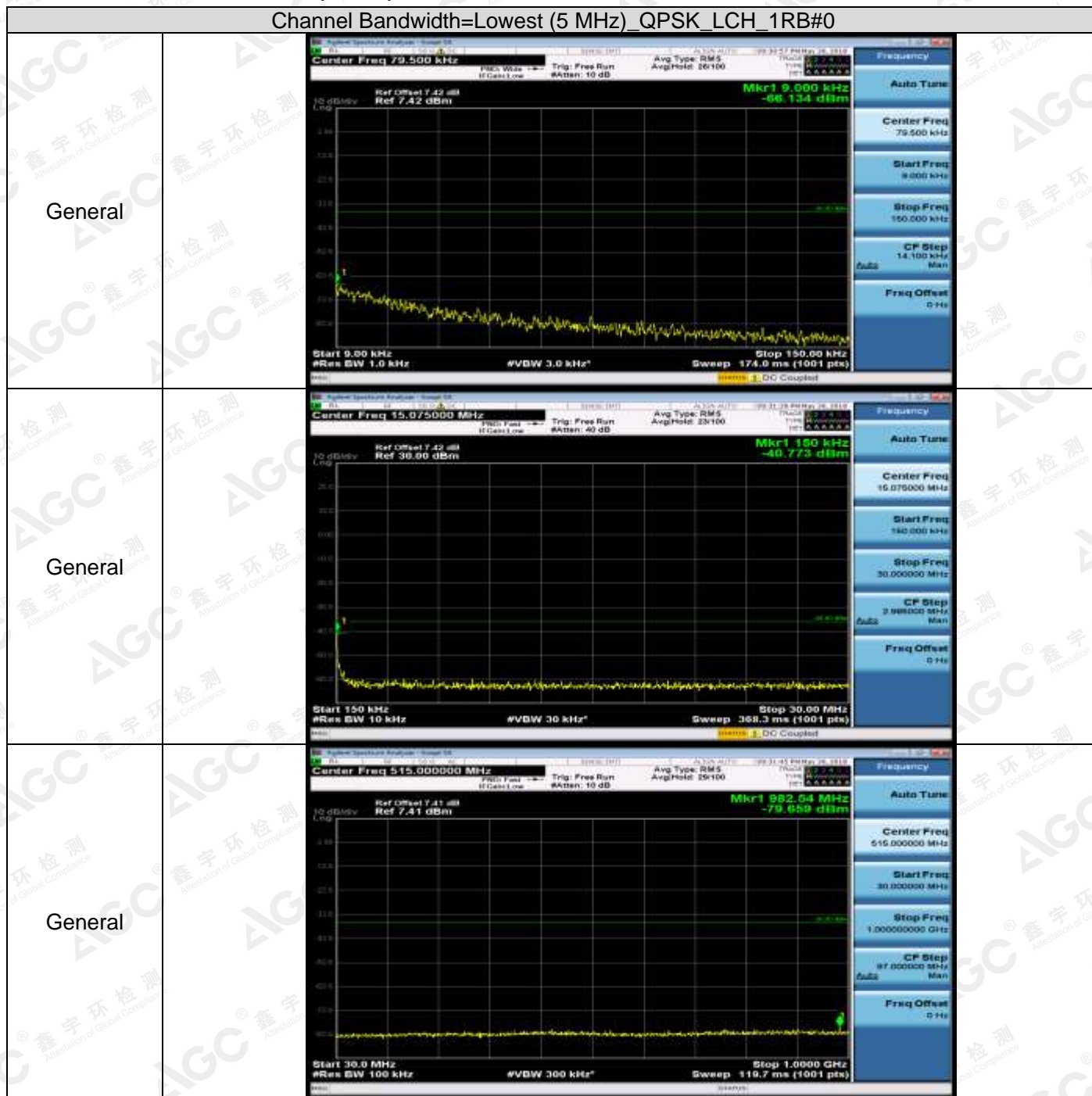
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



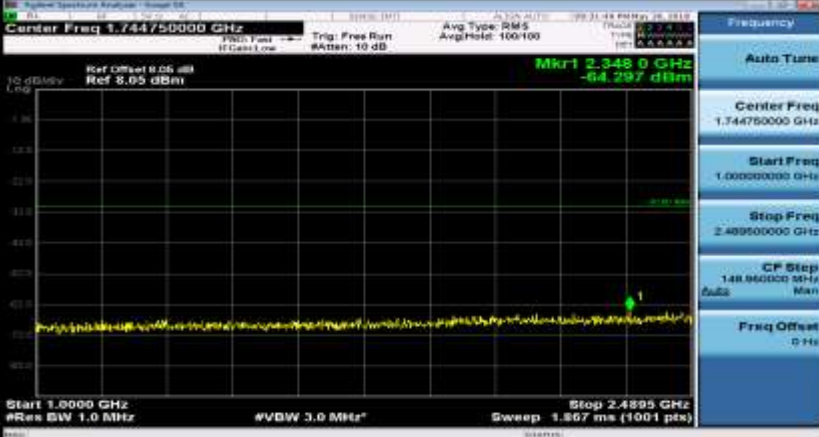
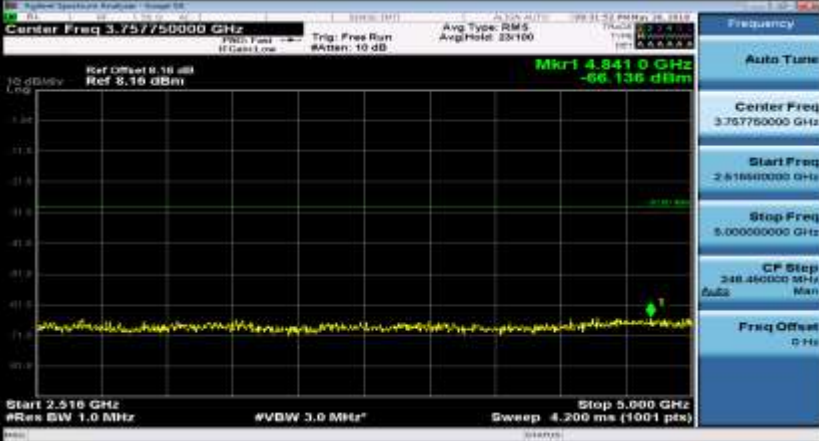
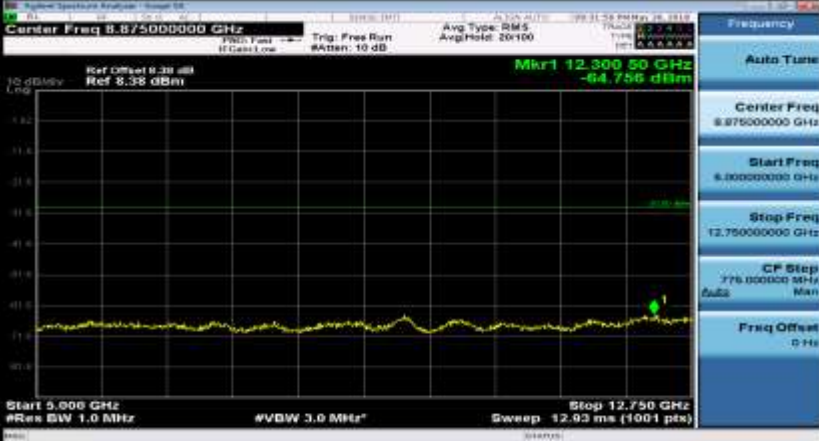
## Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

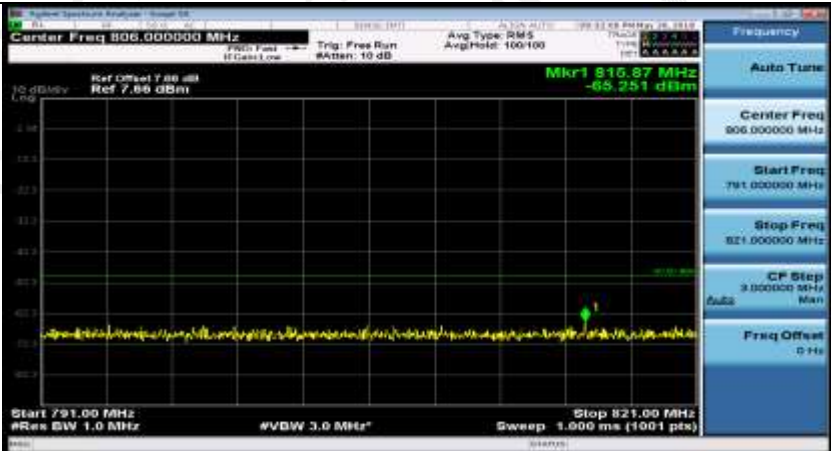
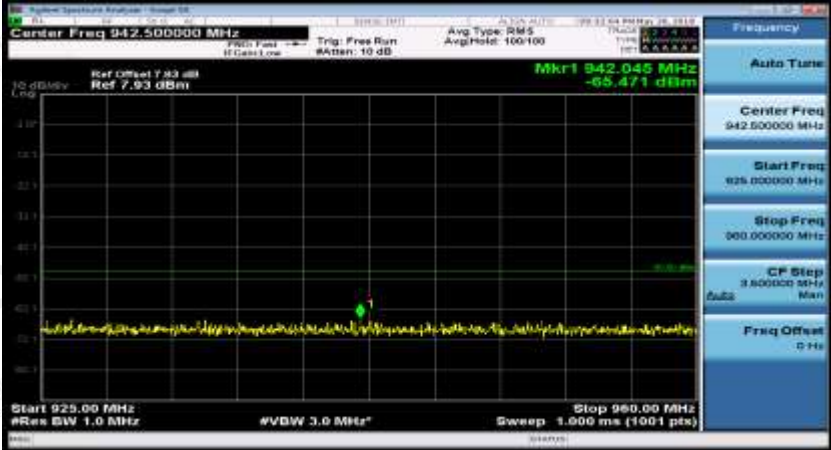
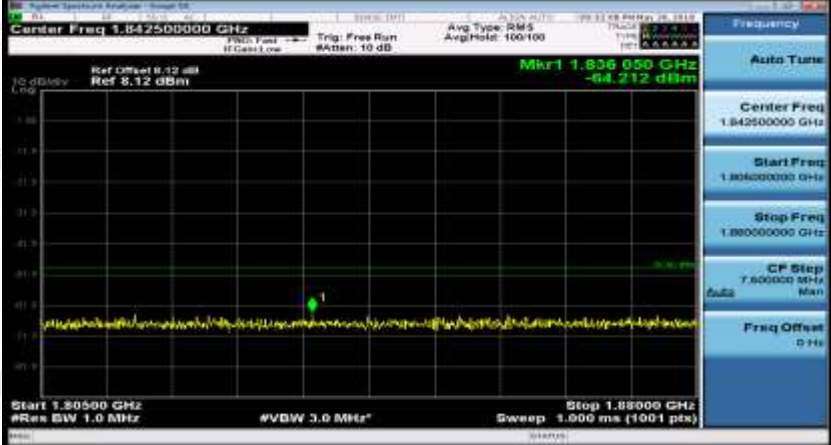


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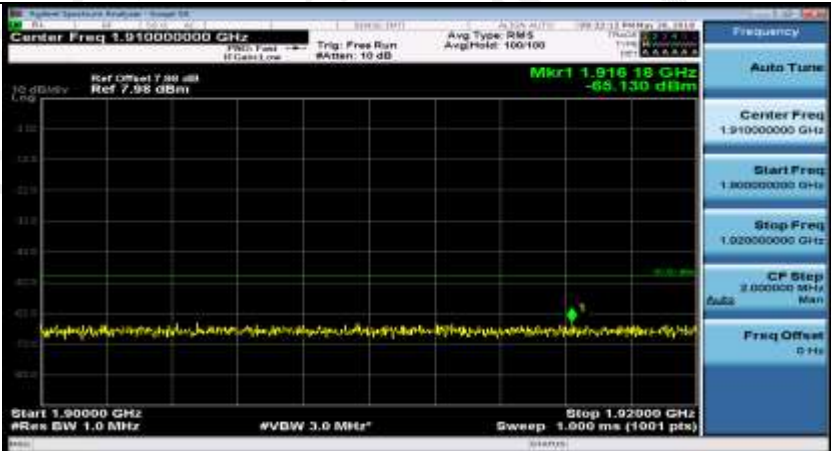
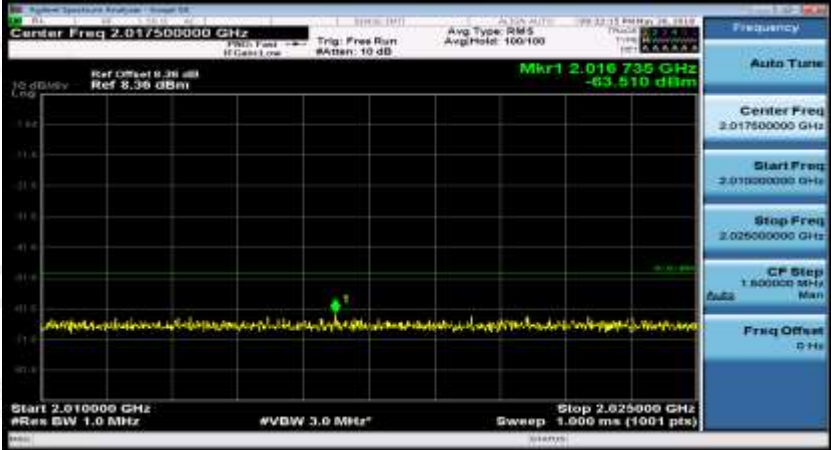
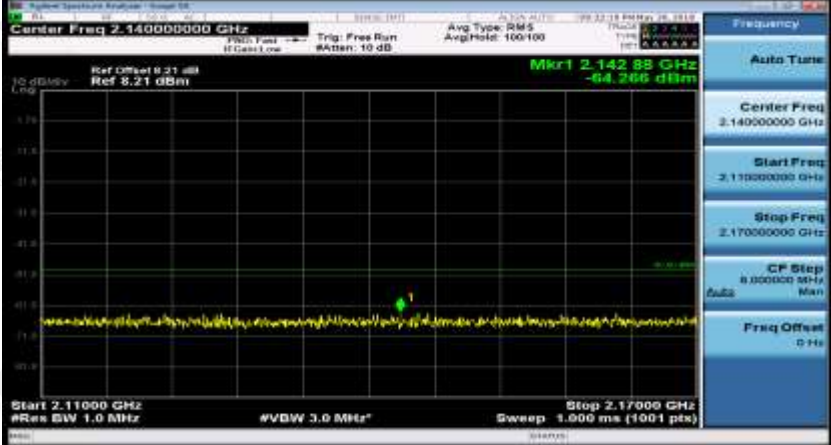
General			
General			
General			

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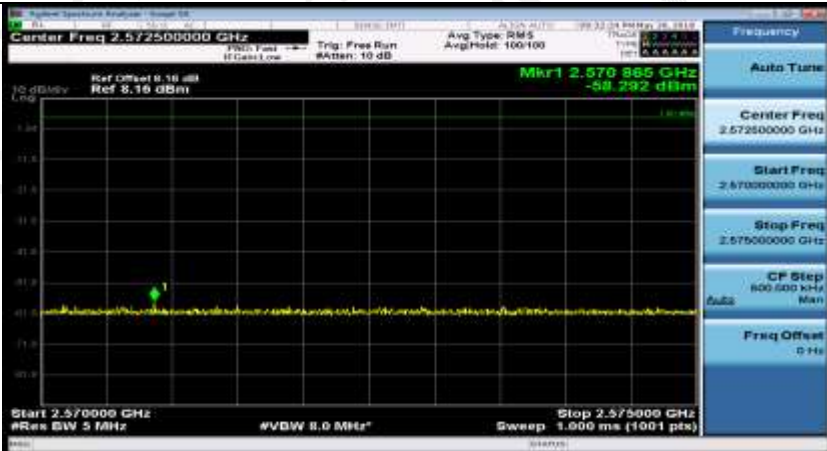
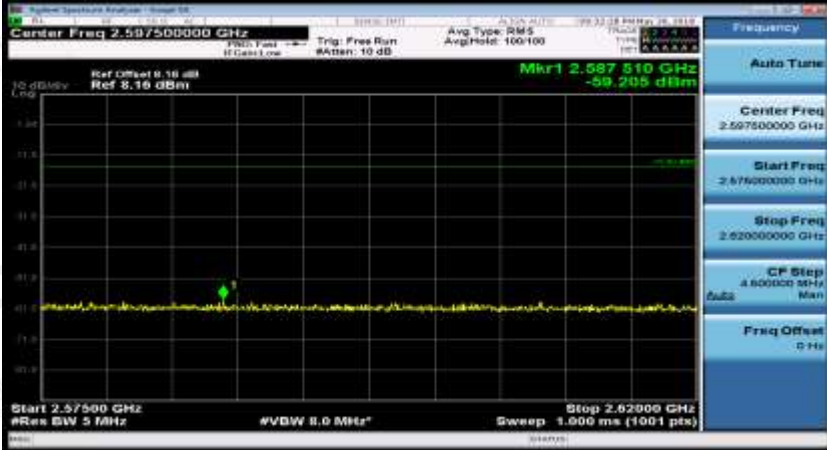
Co-existence	
Co-existence	
Co-existence	

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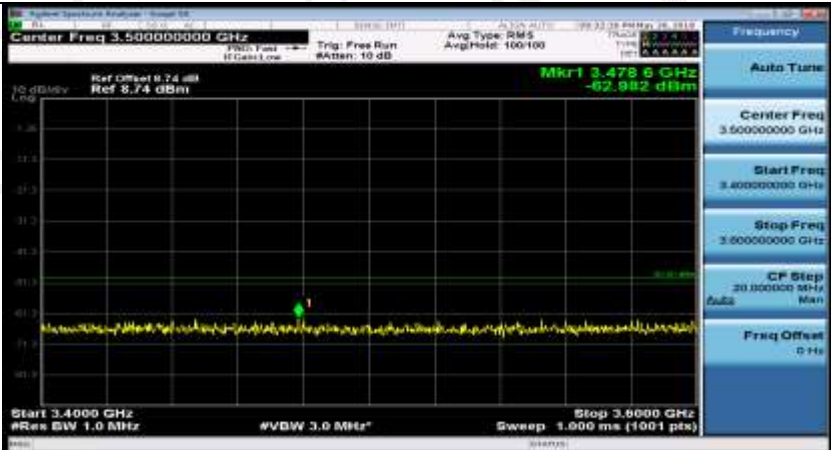
Co-existence	
Co-existence	
Co-existence	

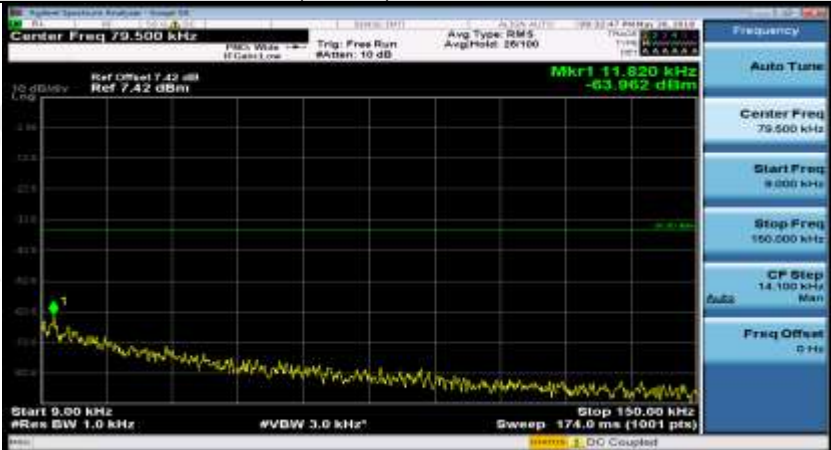
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Additional	NA

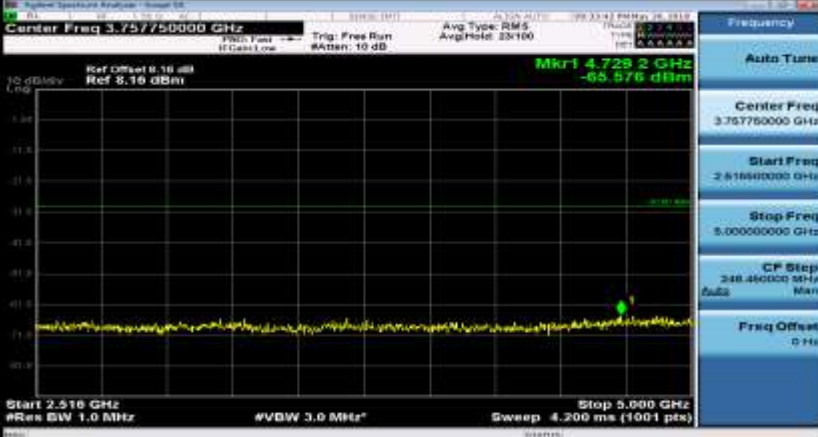

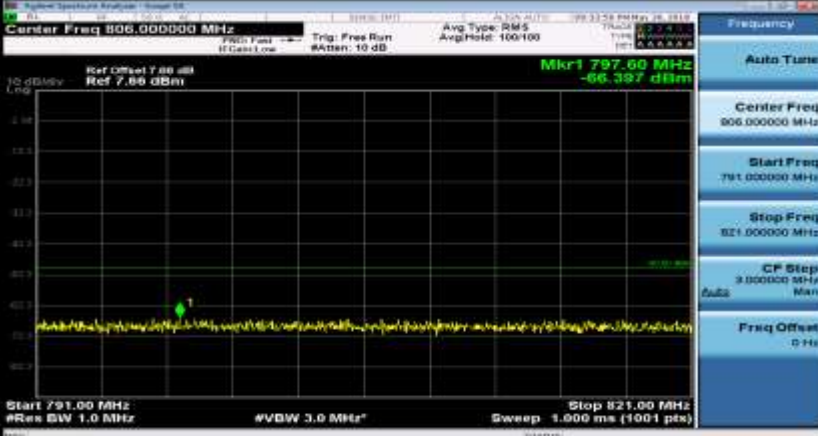
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	

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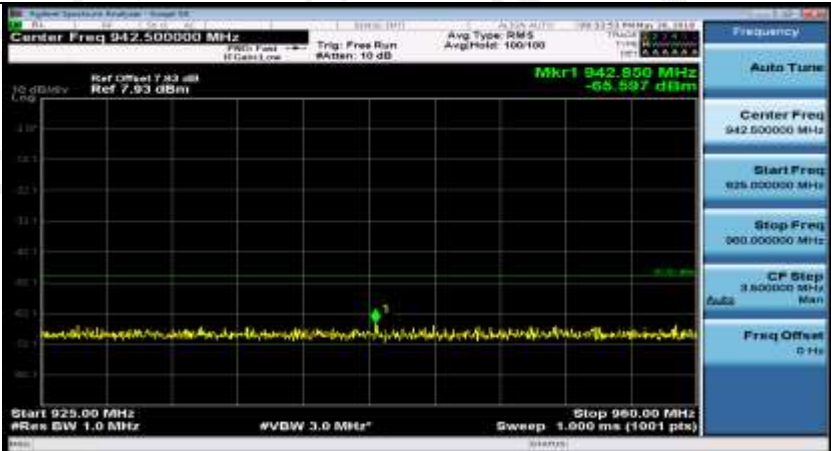
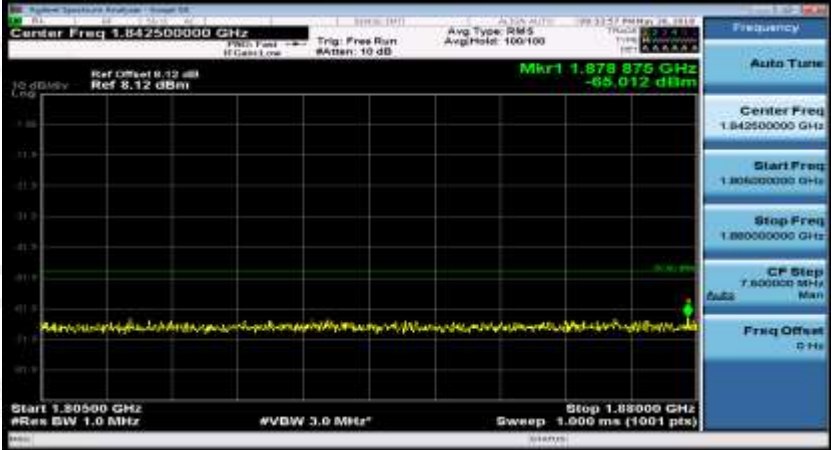
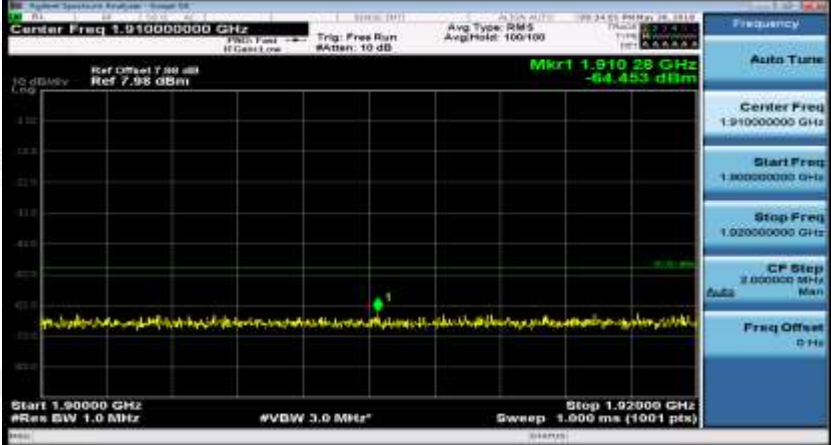
General			
General			
General			

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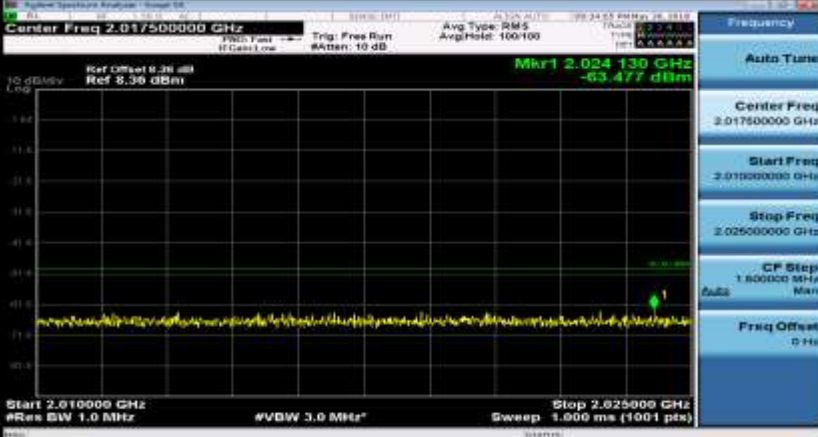
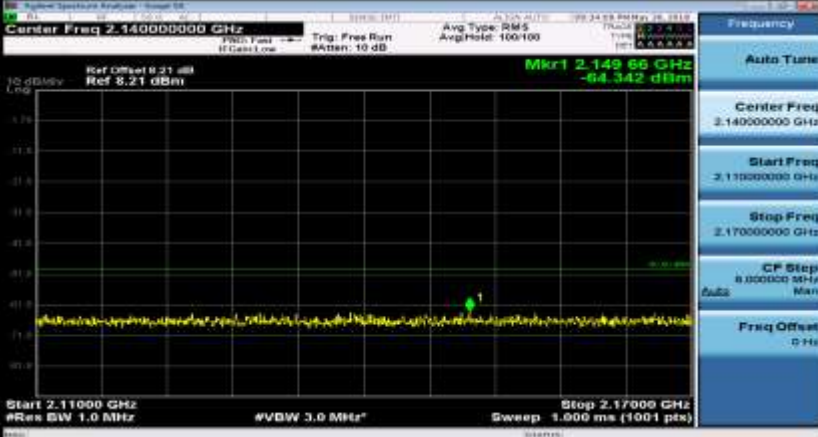

General			
General			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

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Co-existence			
Co-existence			
Co-existence			

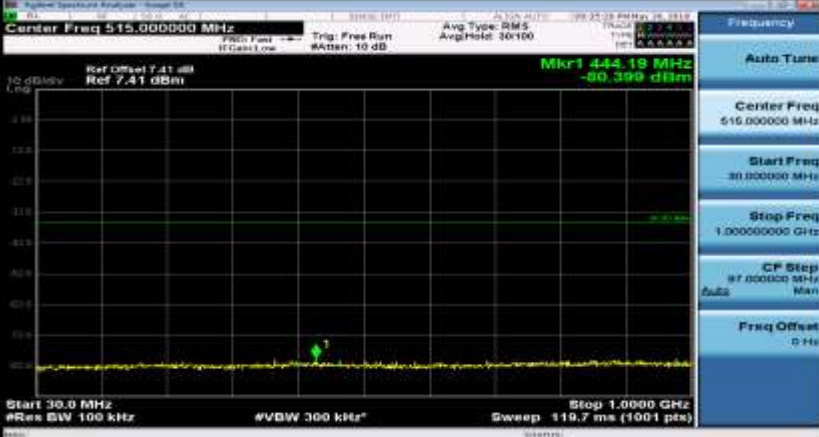
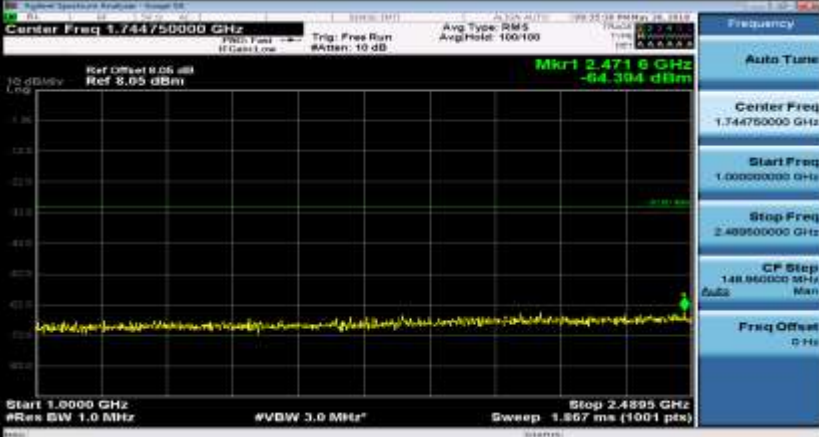
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Additional	NA

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

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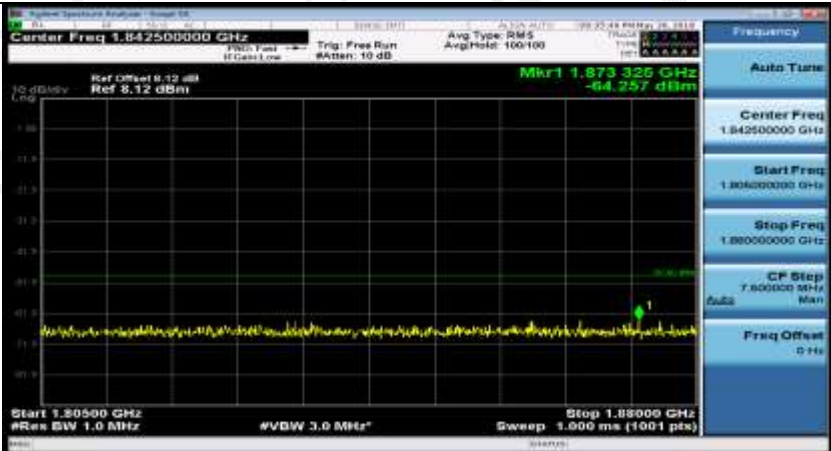
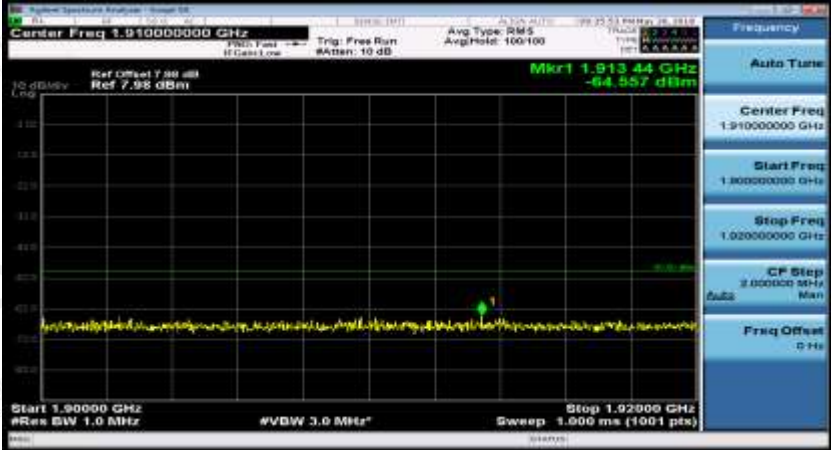
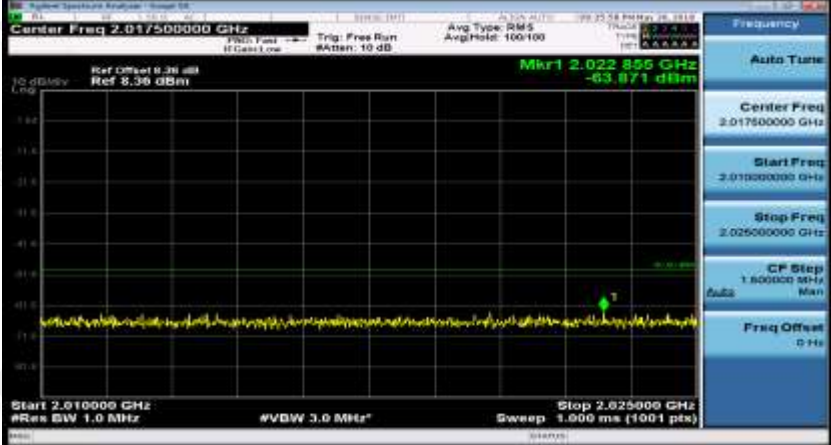
General			
General			
General			

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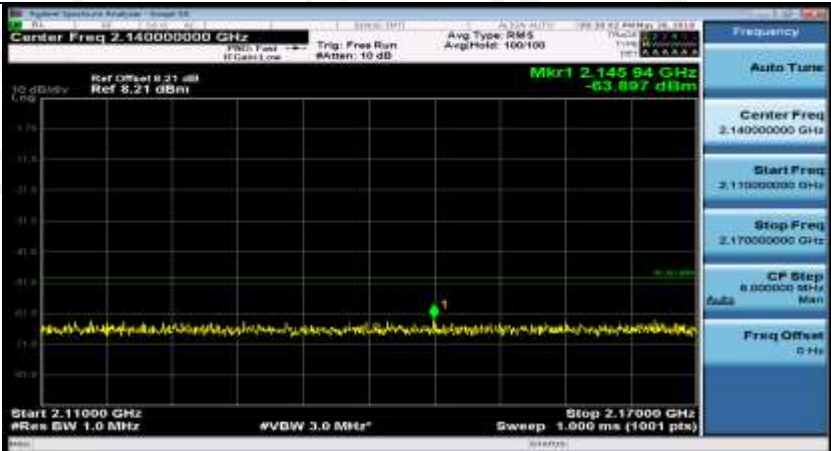
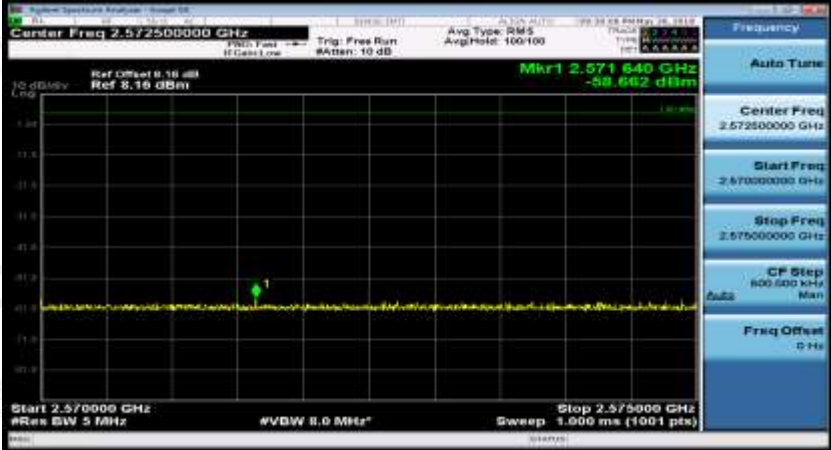
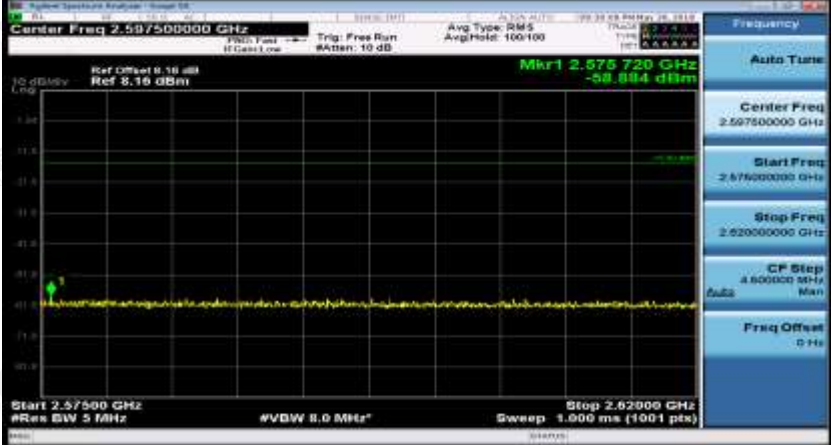
General			
Co-existence			
Co-existence			

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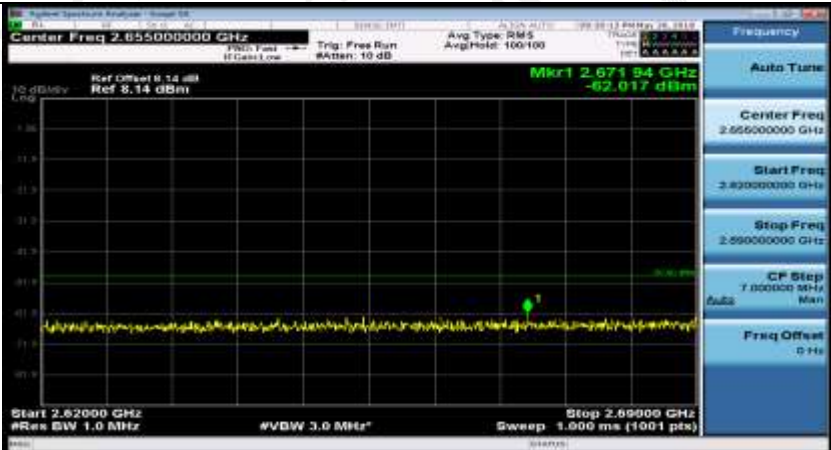
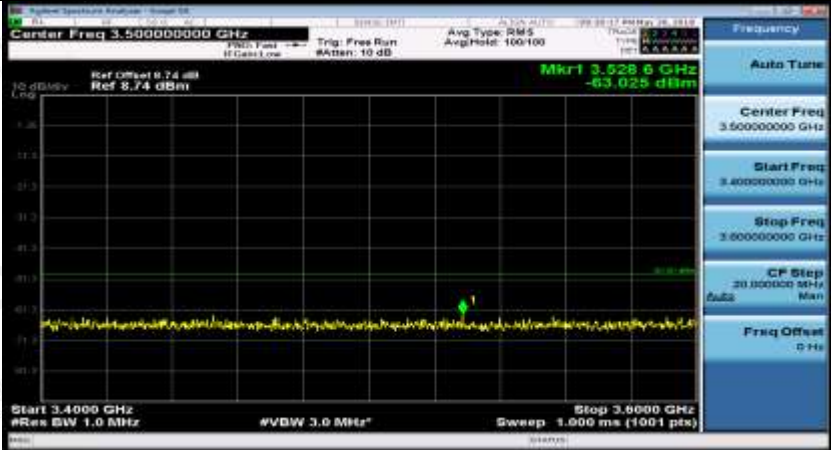
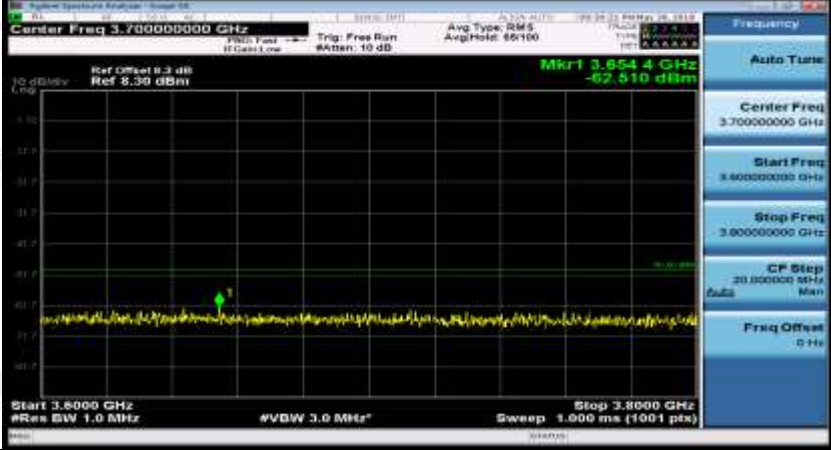
Co-existence	
Co-existence	
Co-existence	

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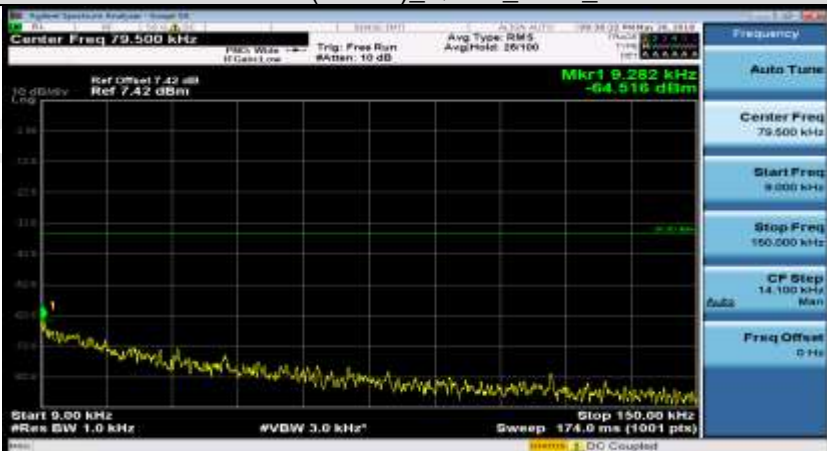
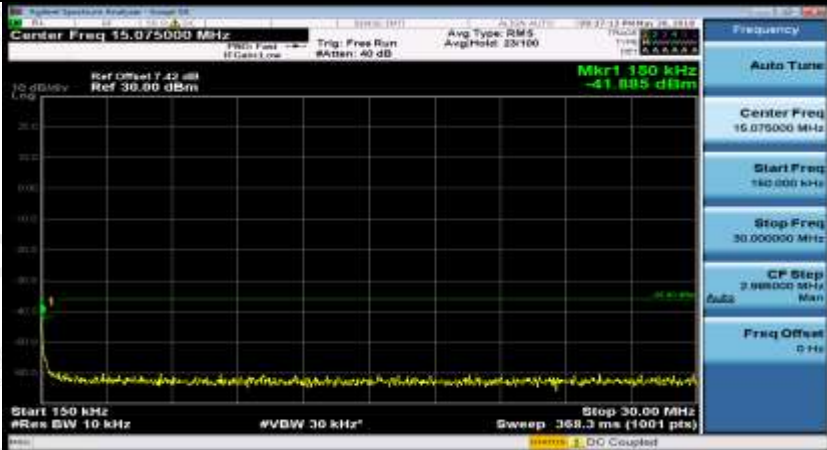
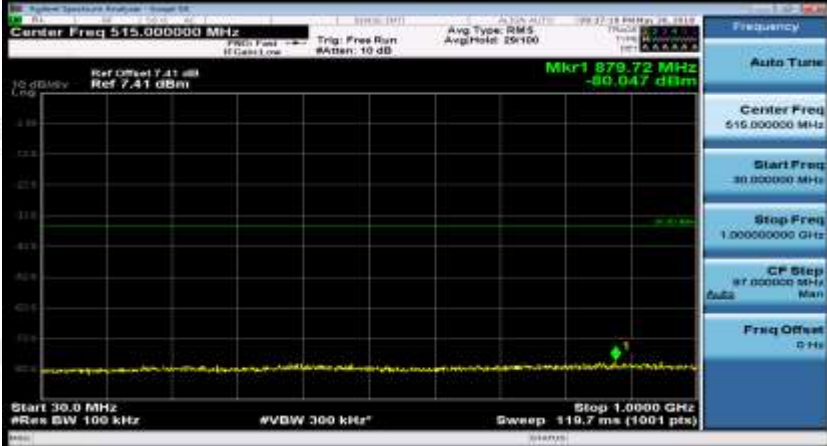
Co-existence	
Co-existence	
Co-existence	

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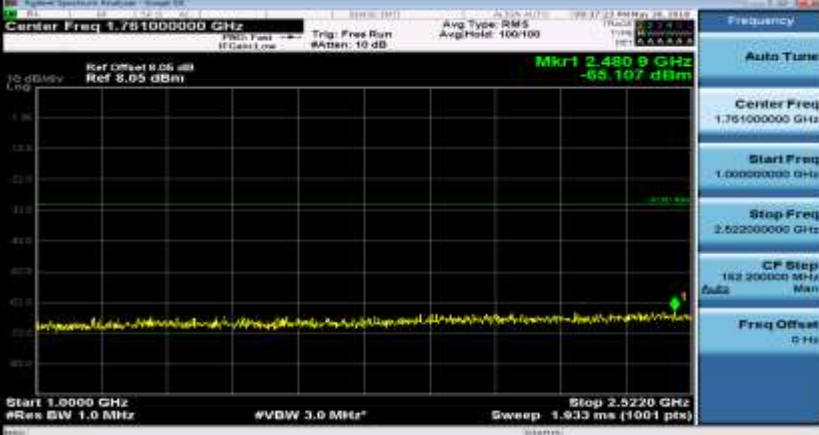


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0		
General		
General		
General		

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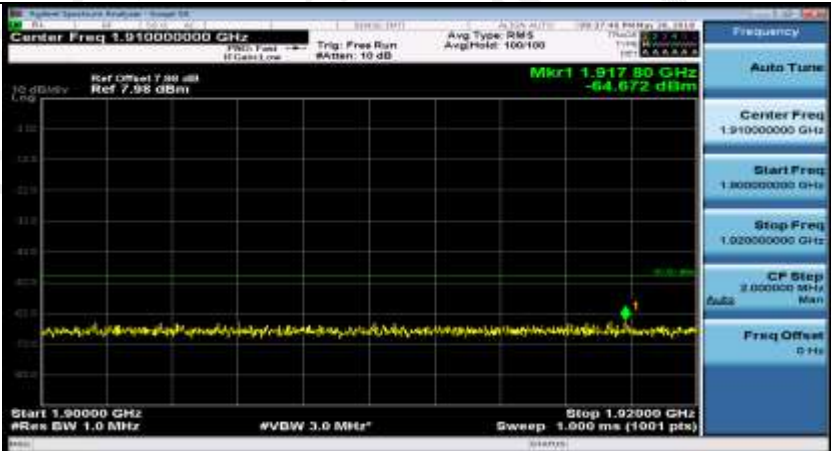
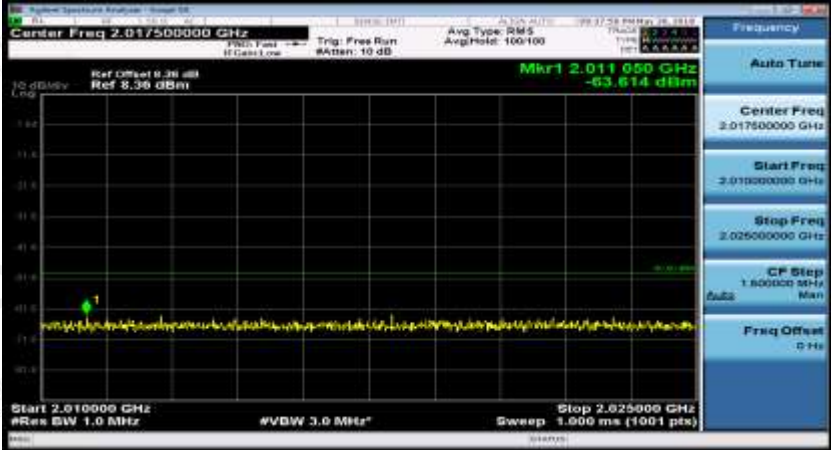
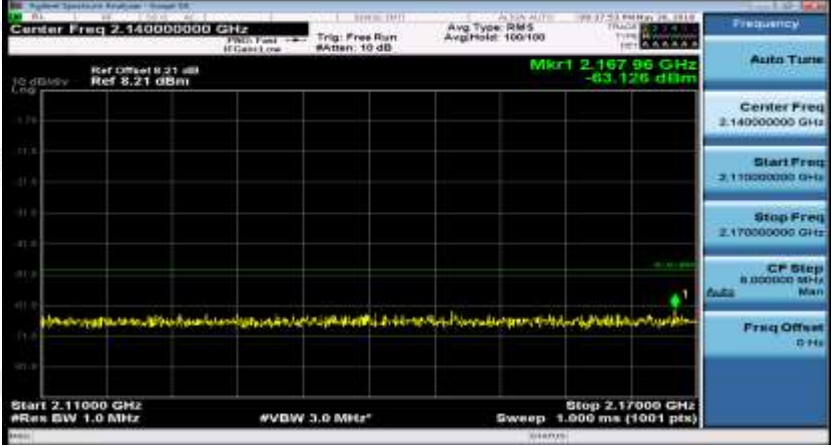
General			
General			
General			

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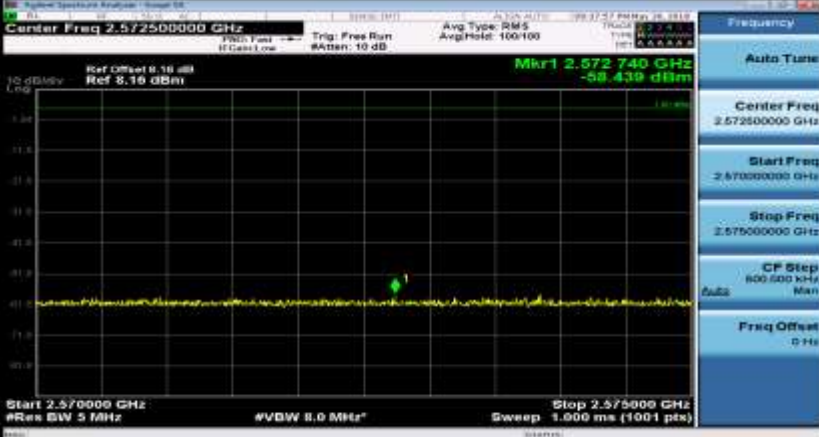
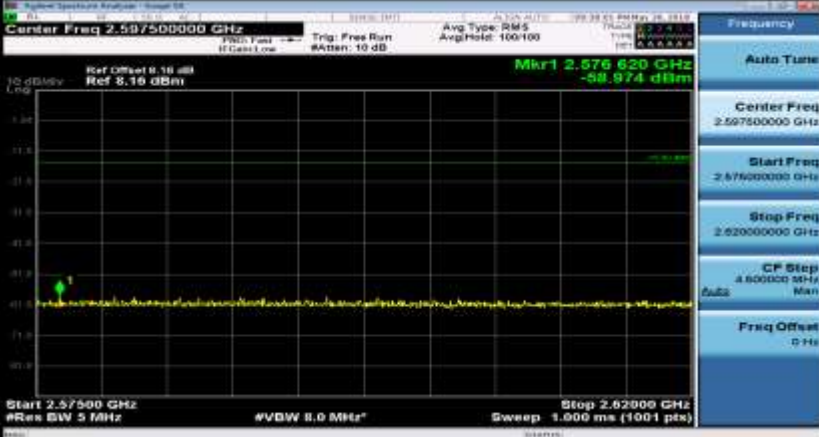

Co-existence	
Co-existence	
Co-existence	

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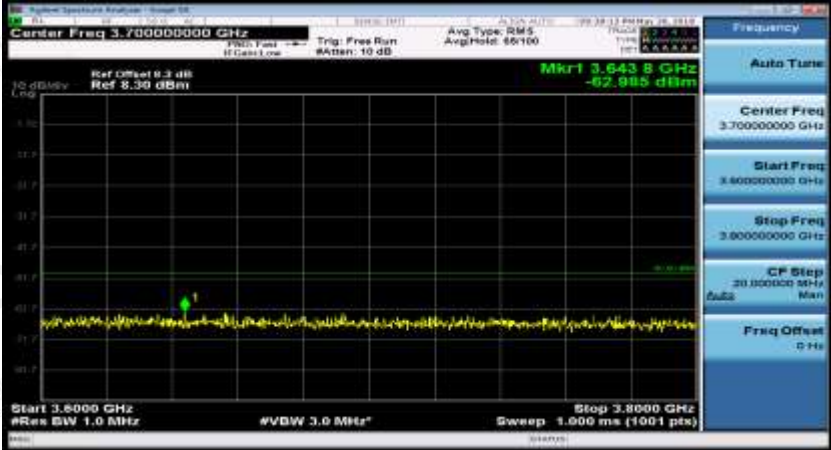
Co-existence	
Co-existence	
Co-existence	

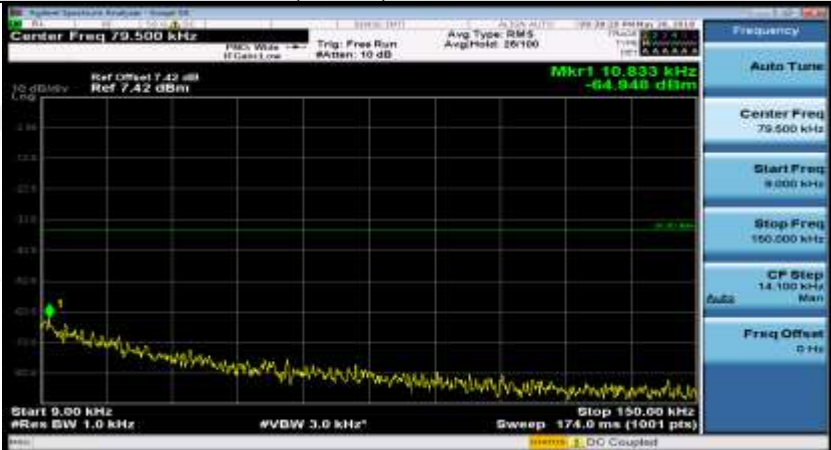
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Additional	NA



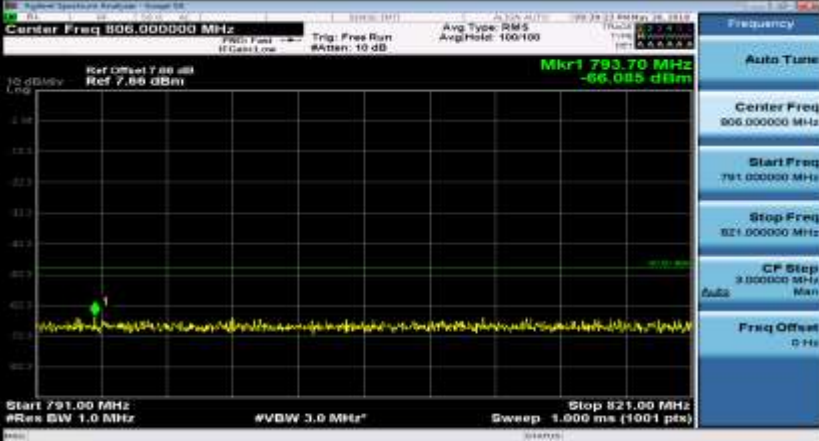
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	

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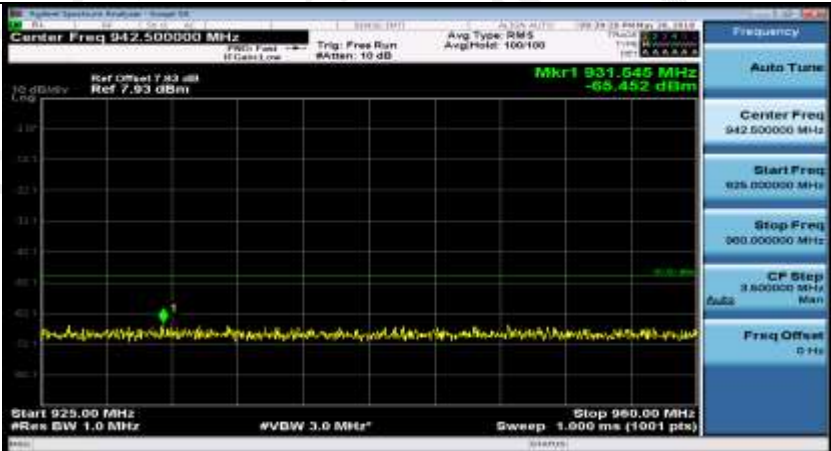
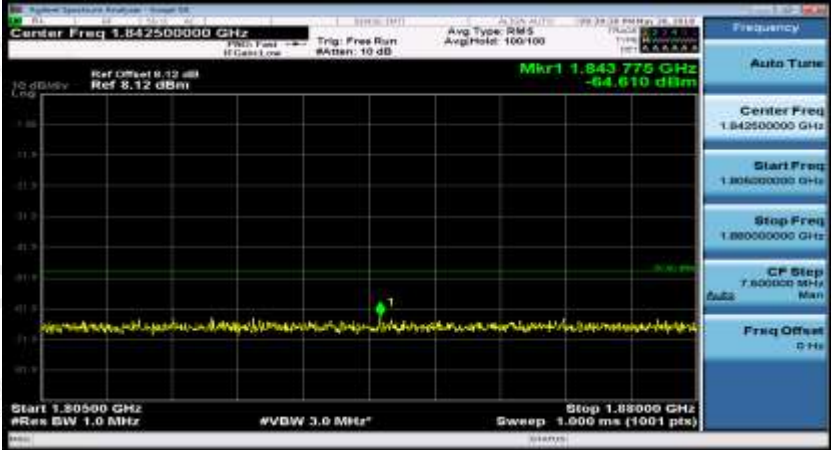
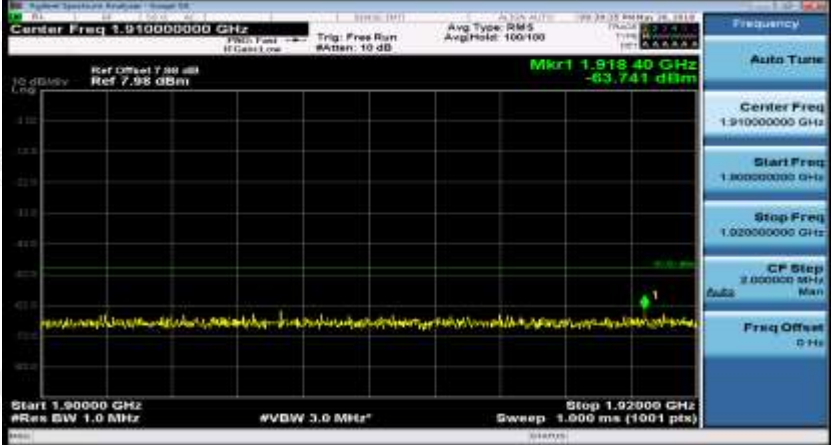
General			
General			
General			

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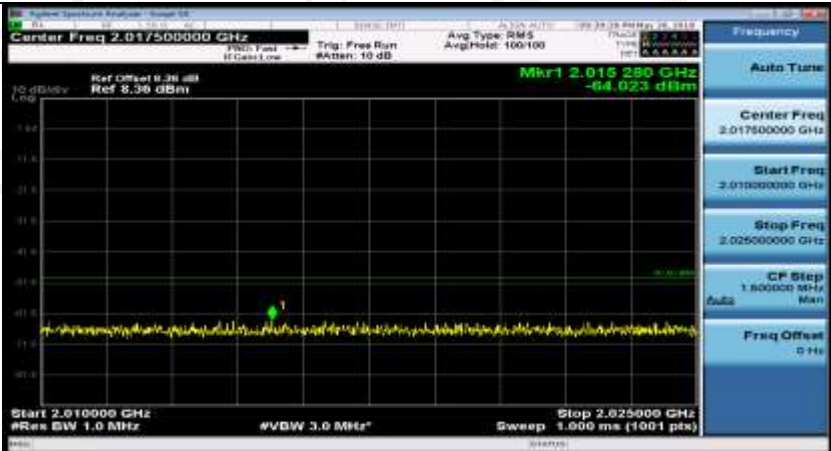
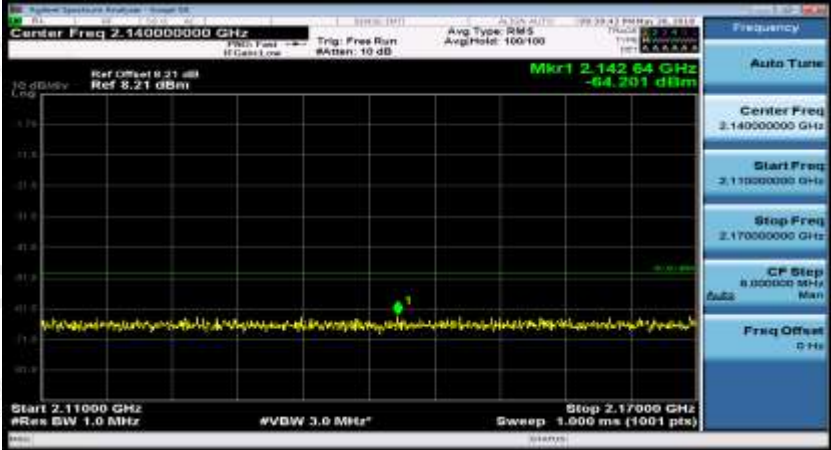
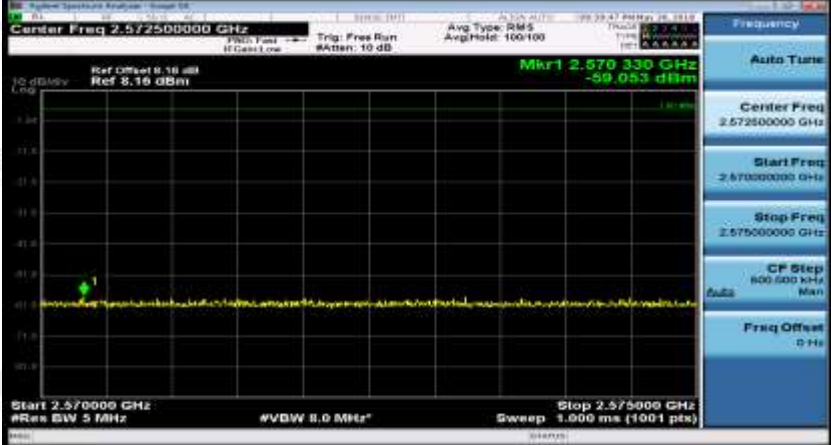
General			
General			
Co-existence			

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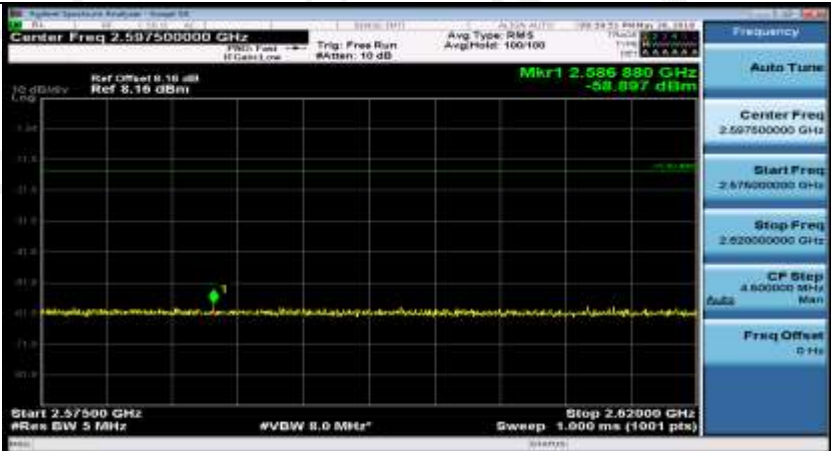

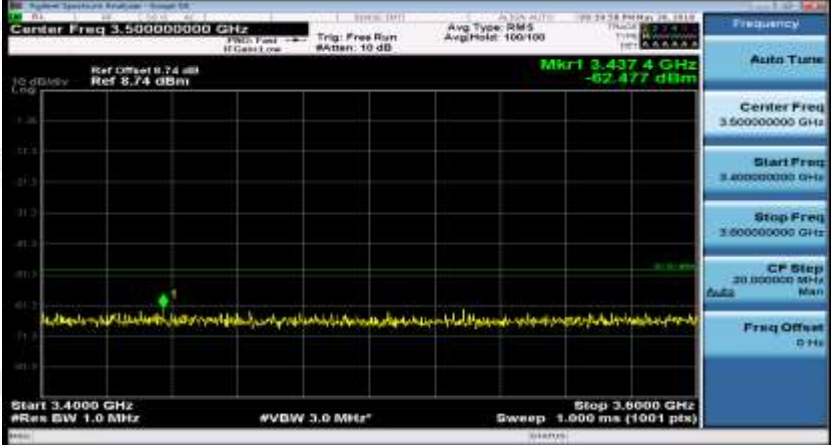
Co-existence	
Co-existence	
Co-existence	

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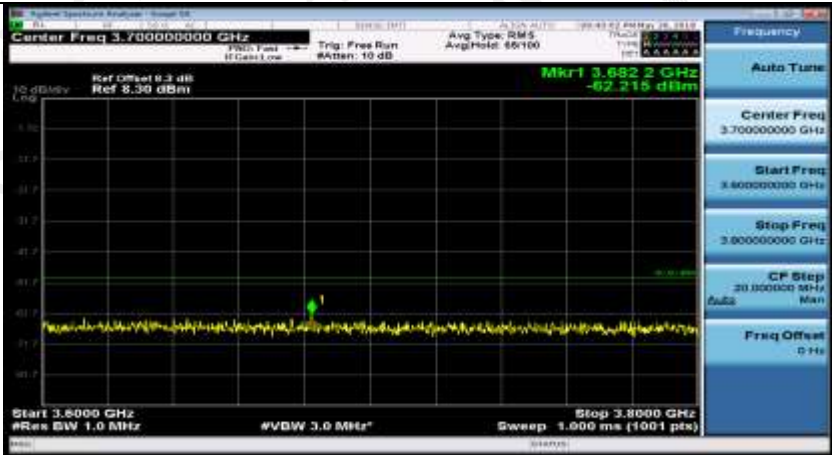
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

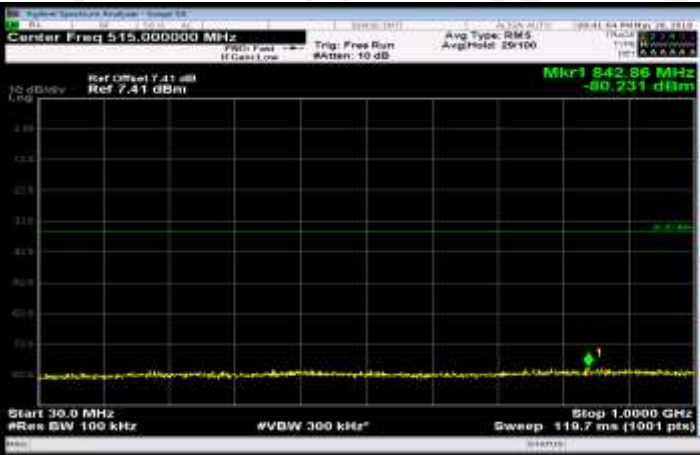
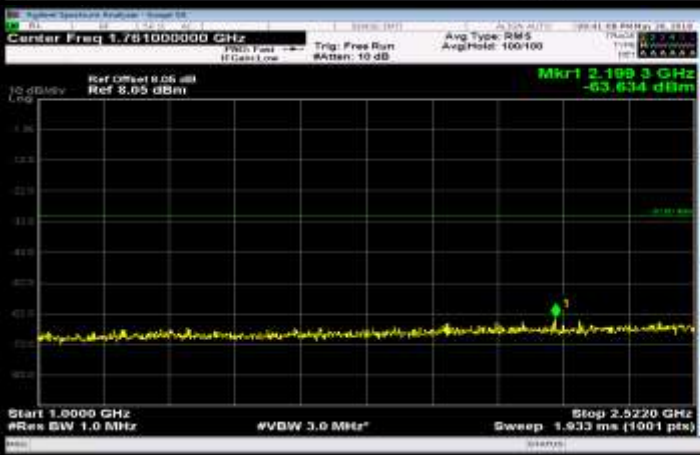
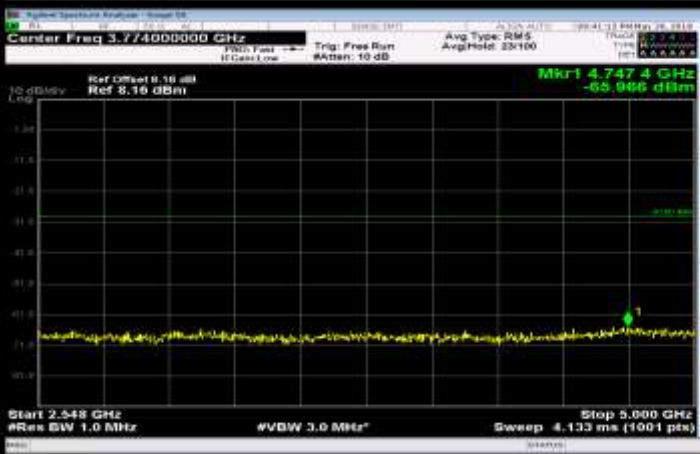
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Co-existence	
Additional	NA


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

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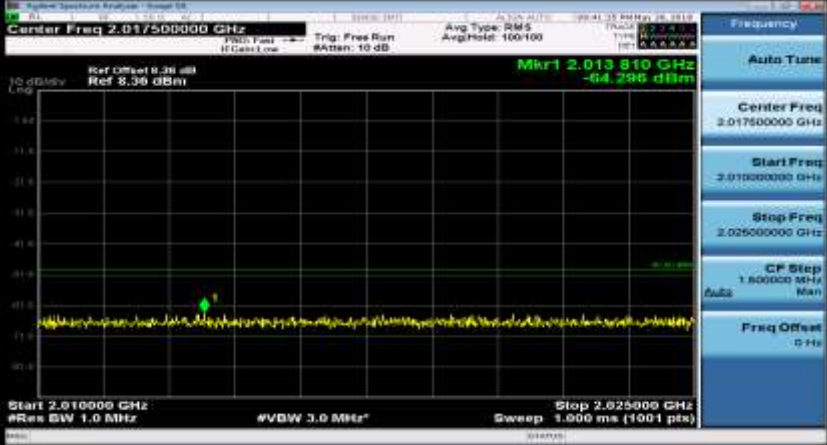
General		
General		
General		

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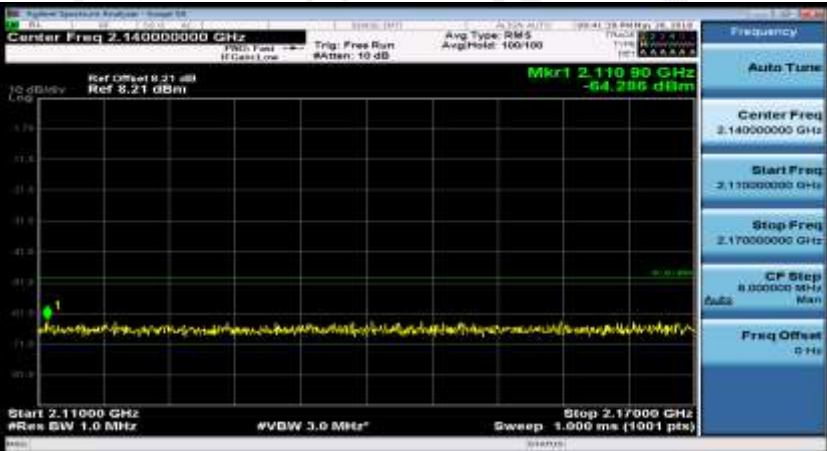
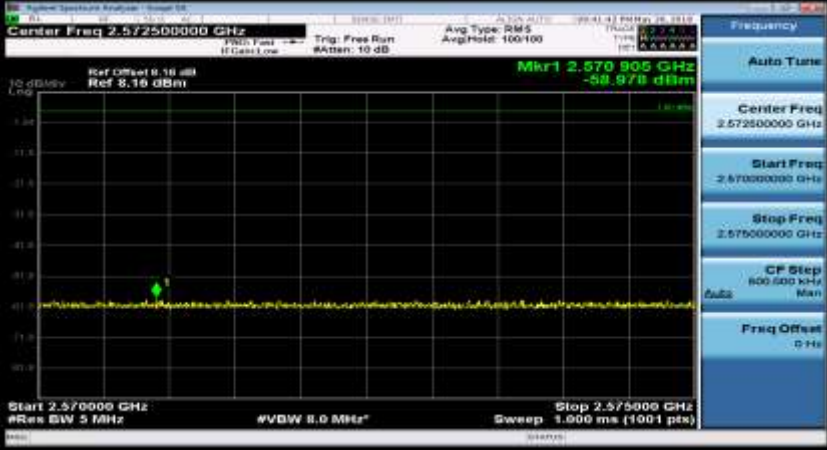
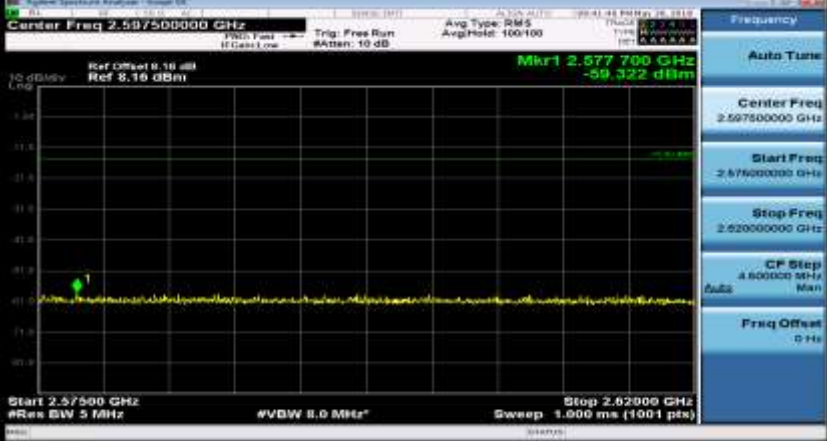
General		
Co-existence		
Co-existence		

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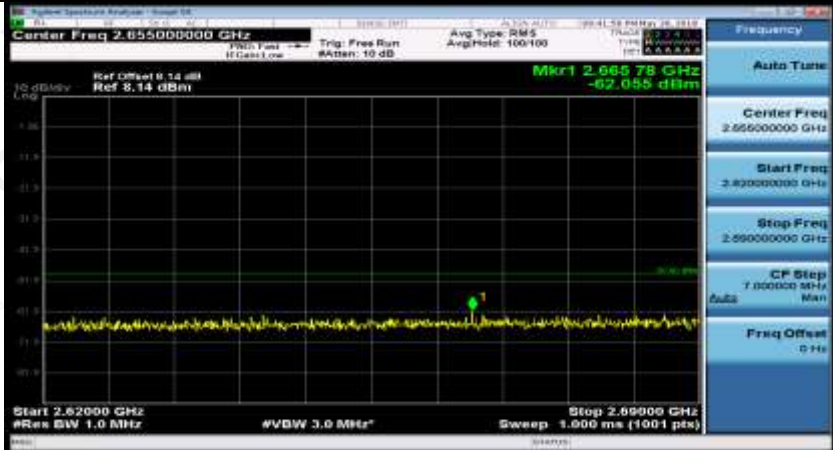
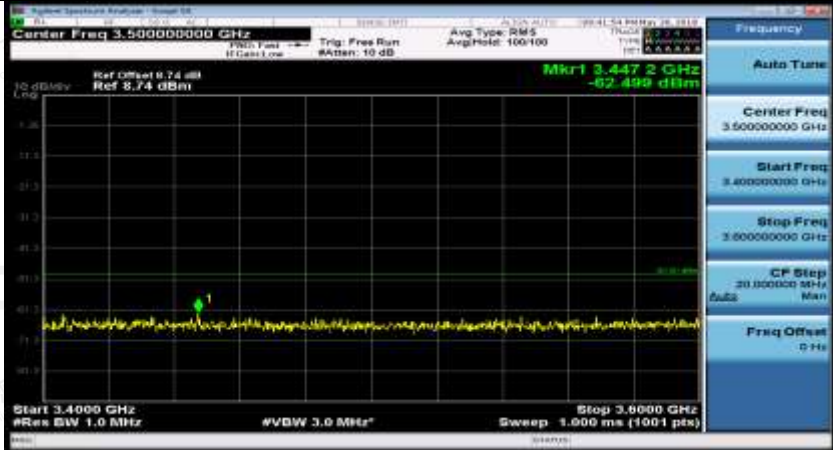
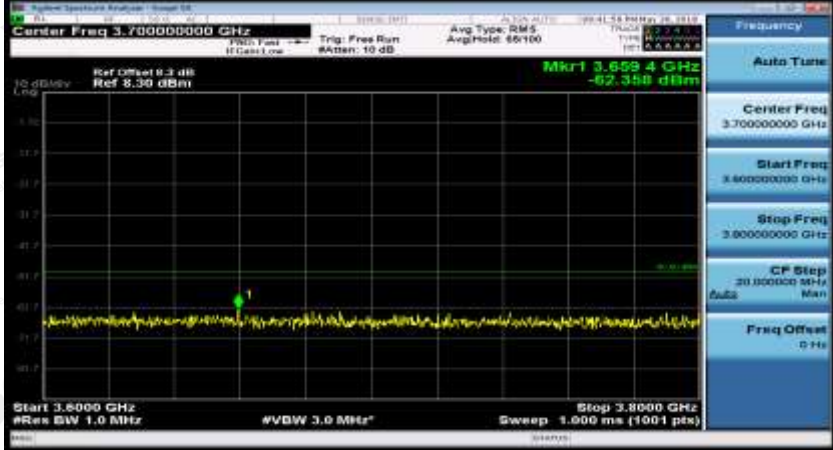
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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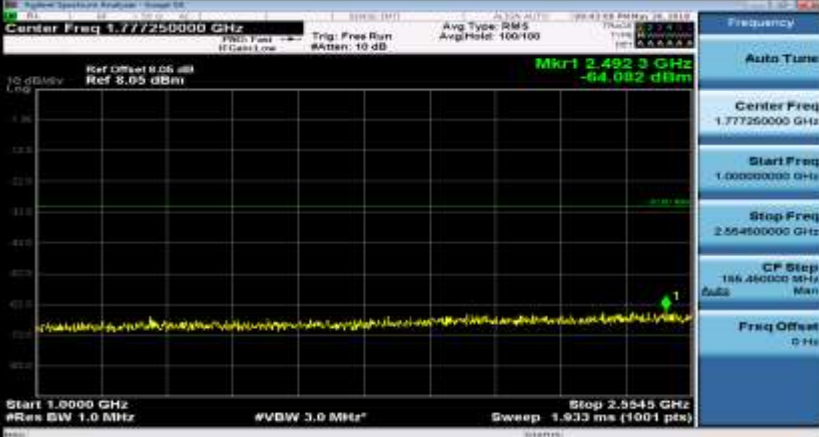
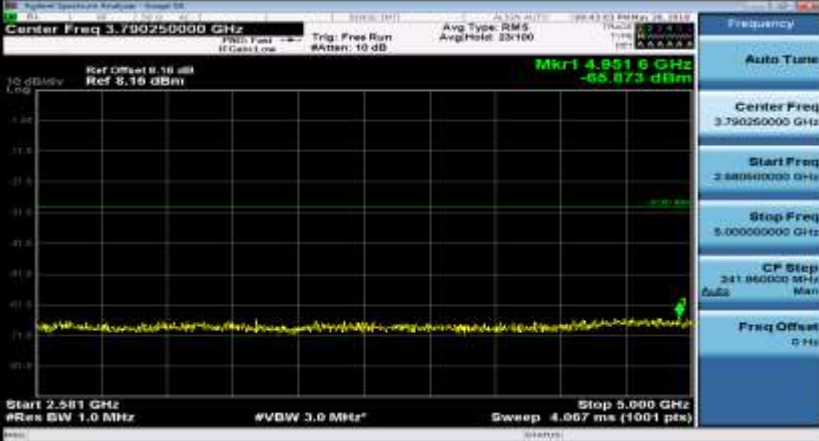

Co-existence	
Co-existence	
Co-existence	
Additional	NA

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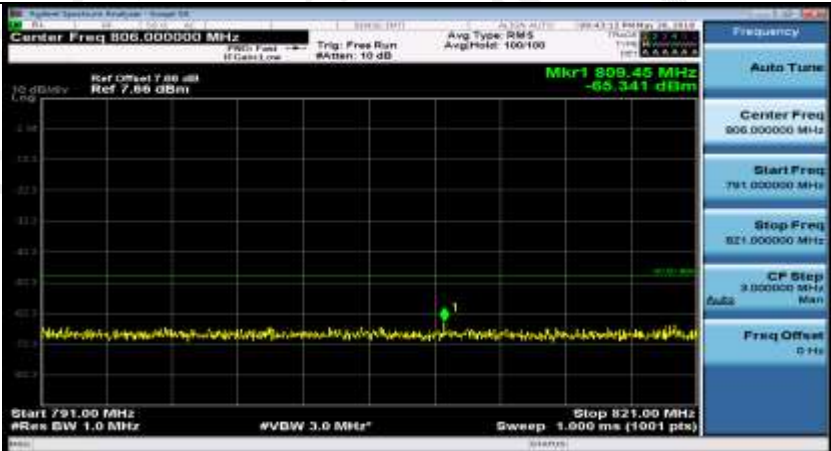
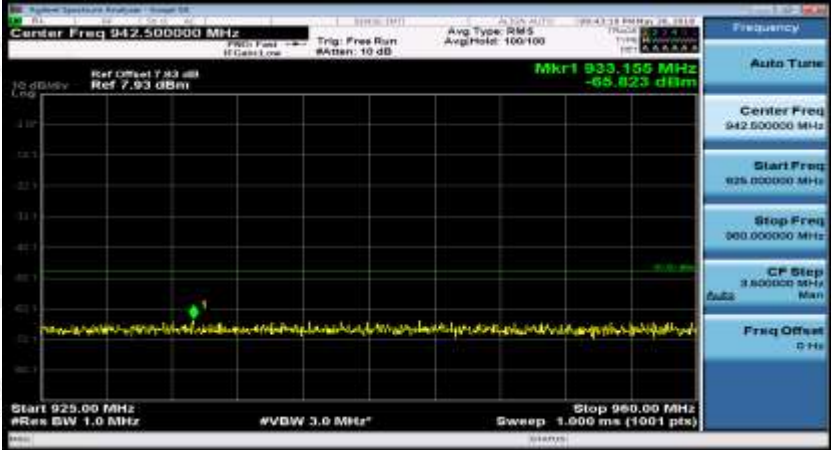
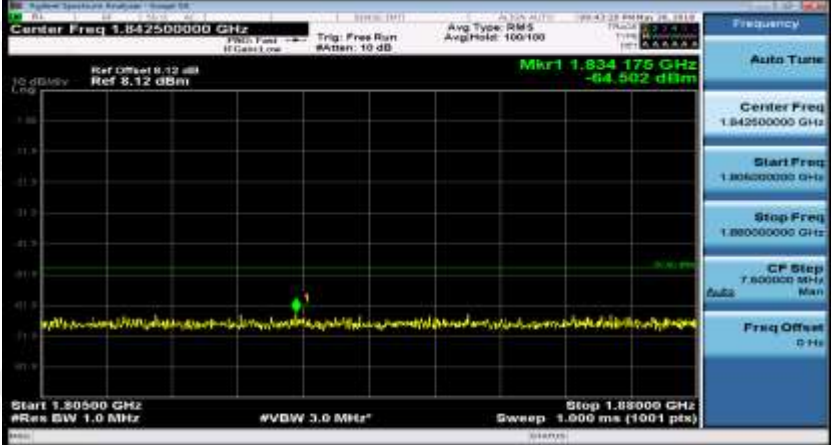
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#0		
General		
General		
General		

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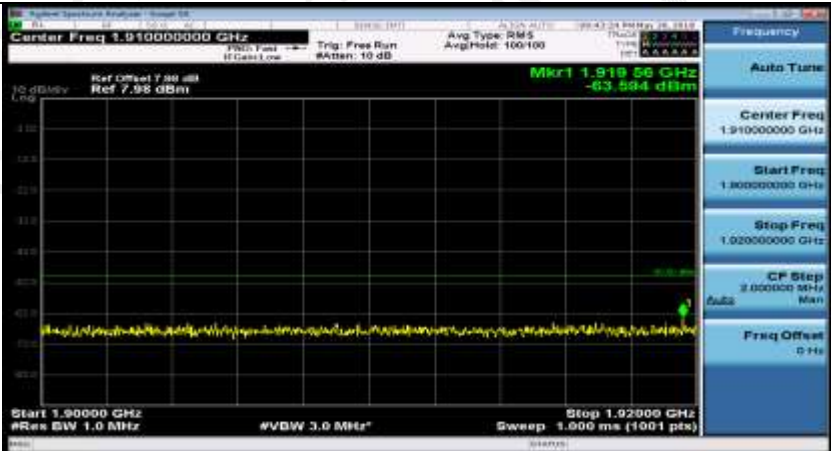
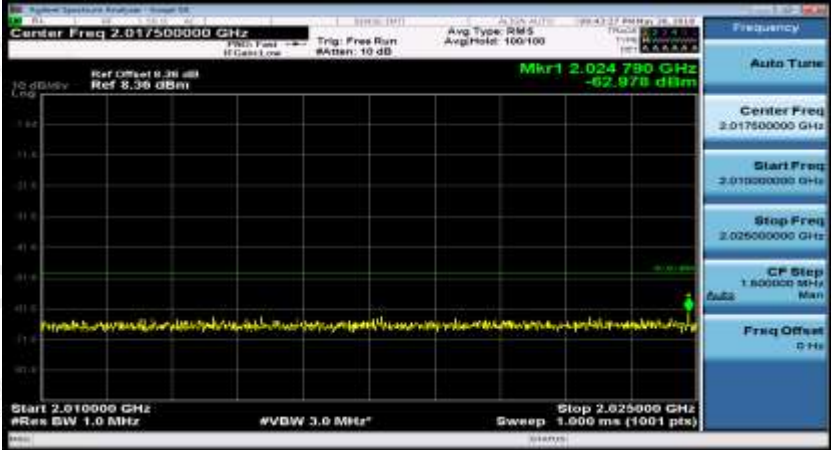
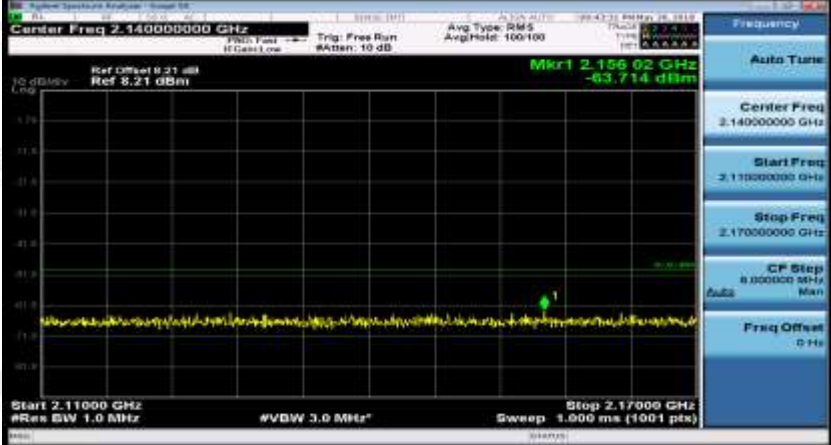
General			
General			
General			

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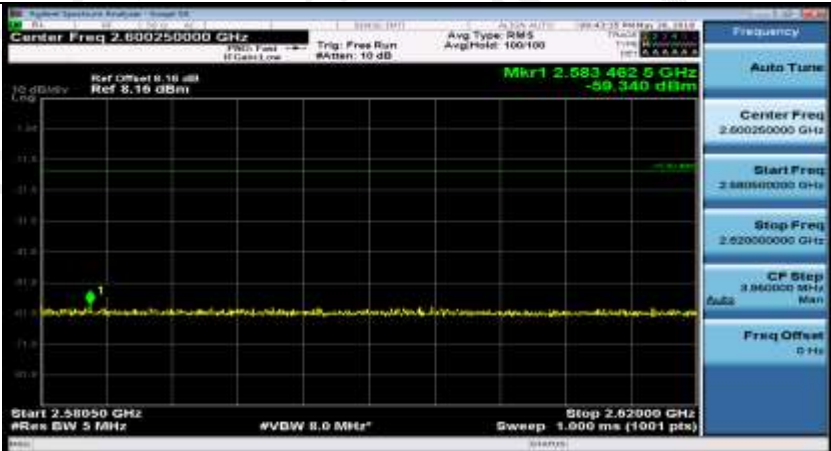
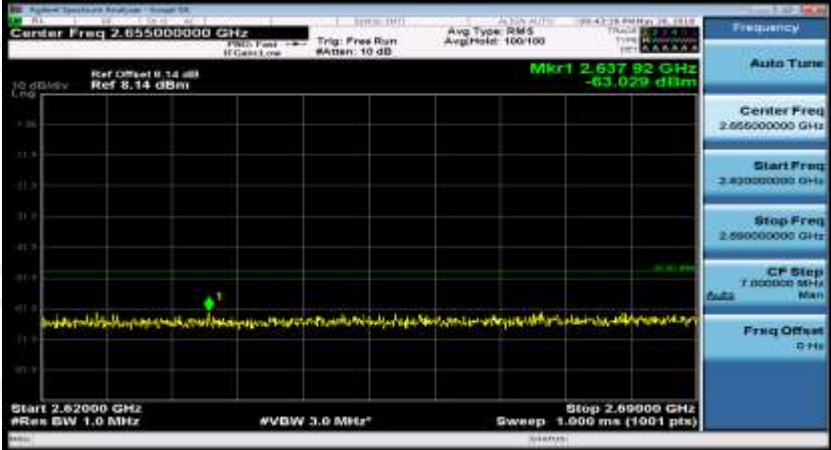
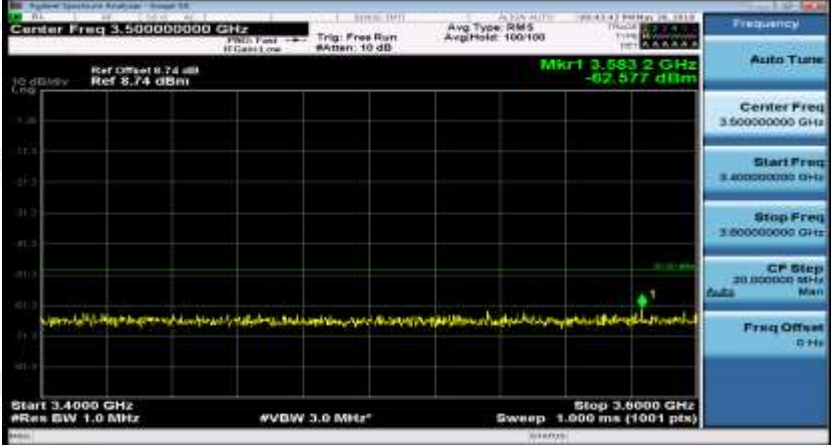
Co-existence	
Co-existence	
Co-existence	

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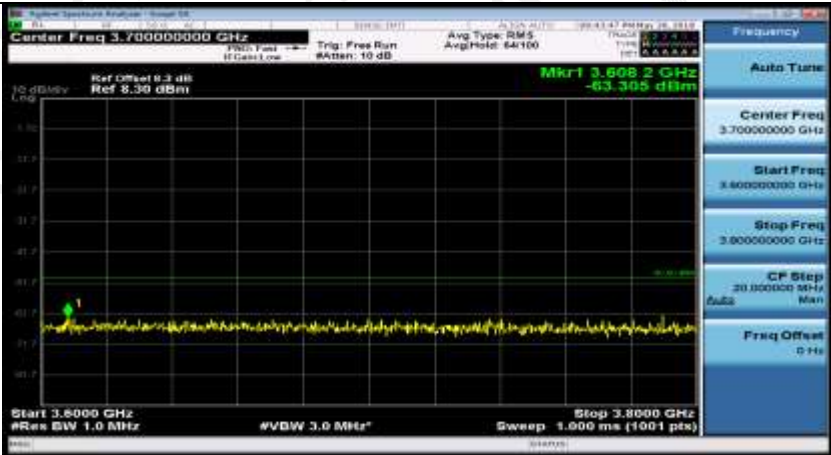
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

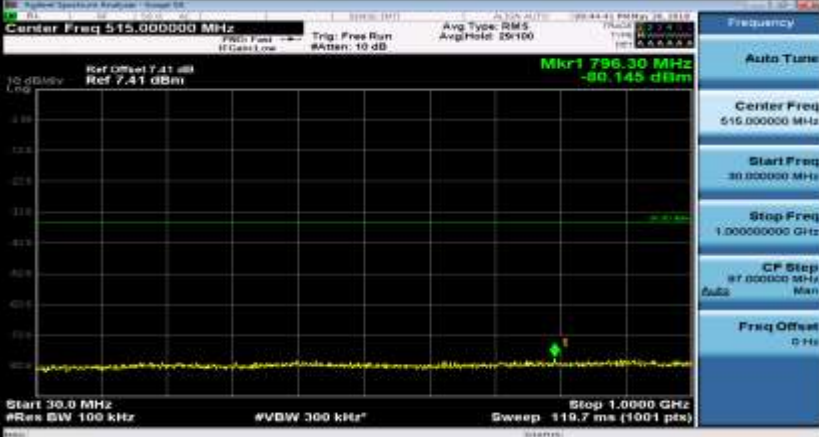
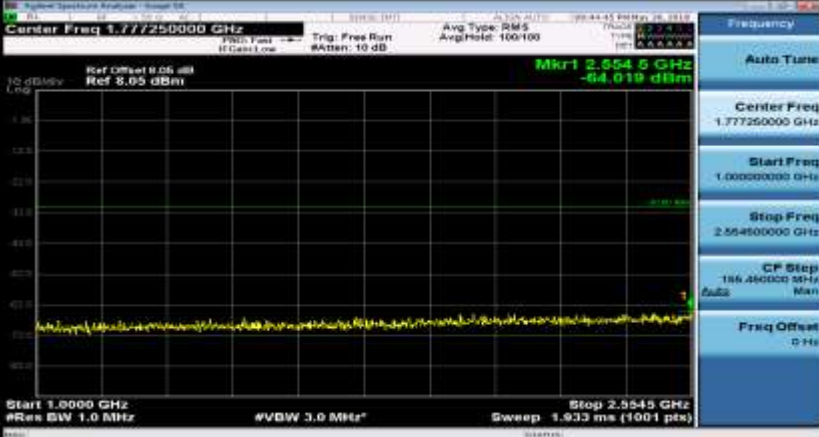

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Co-existence	
Additional	NA


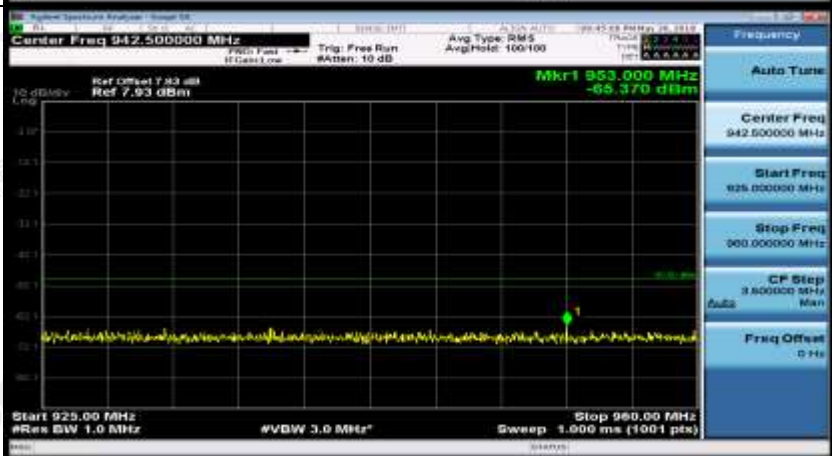
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	
General	

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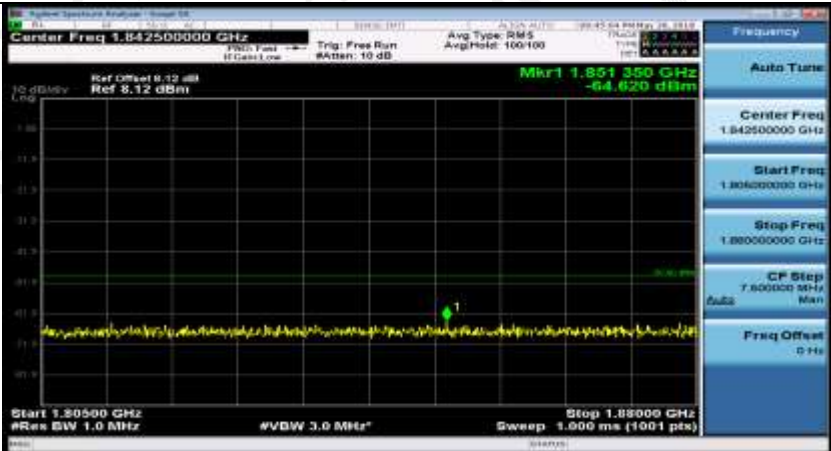
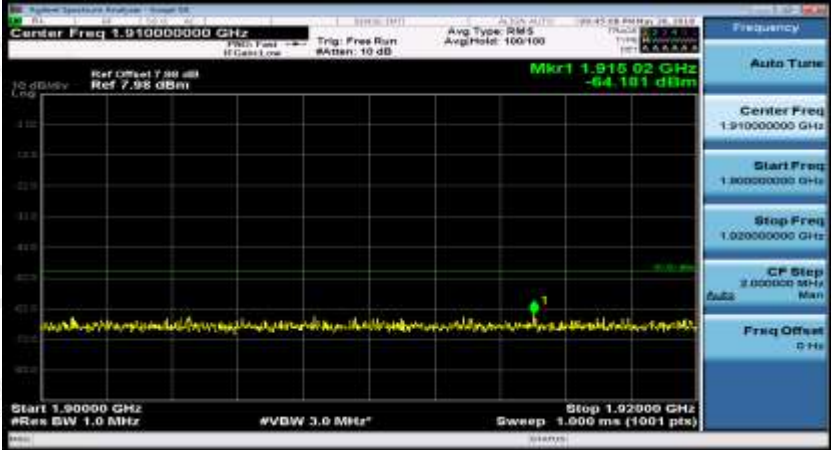
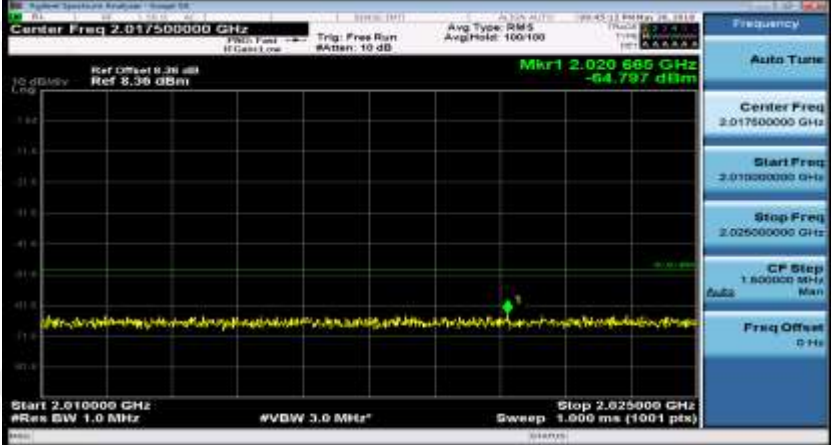
General			
General			
General			

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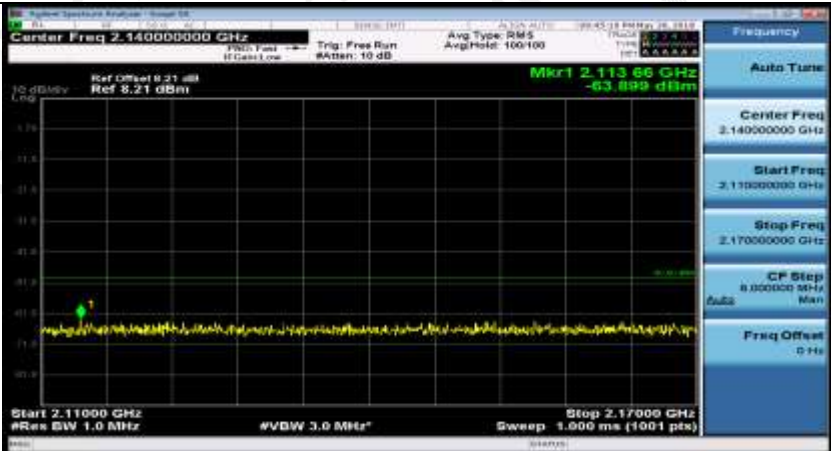

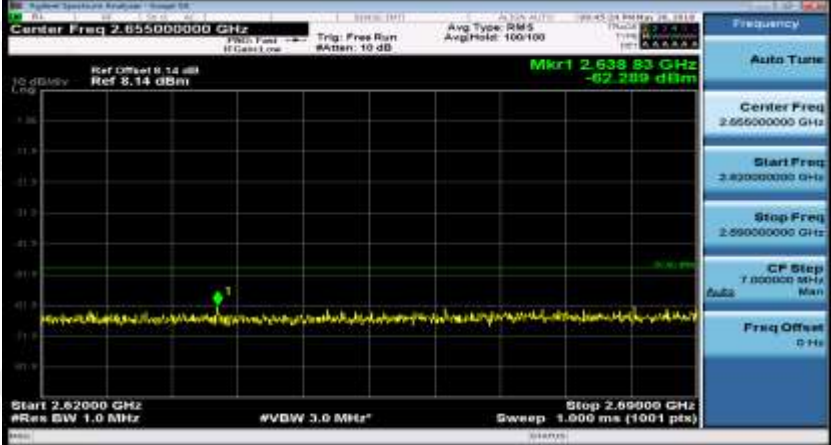
General			
Co-existence			
Co-existence			

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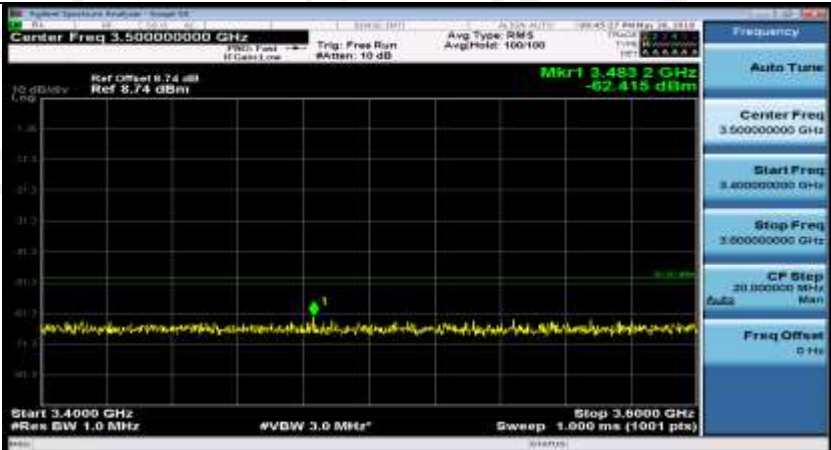
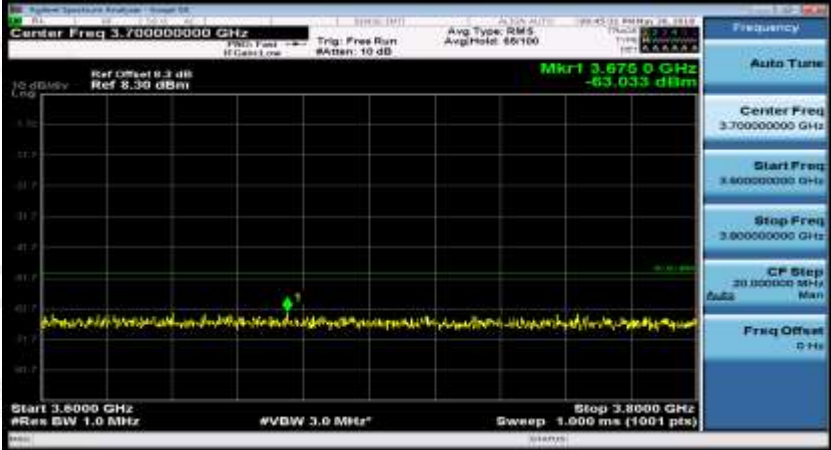
Co-existence	
Co-existence	
Co-existence	

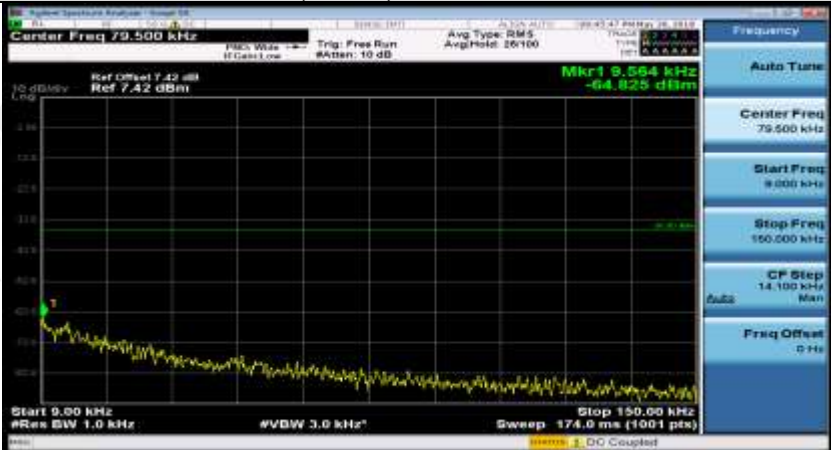
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence		
Co-existence		
Co-existence		


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Co-existence	
Co-existence	
Additional	NA



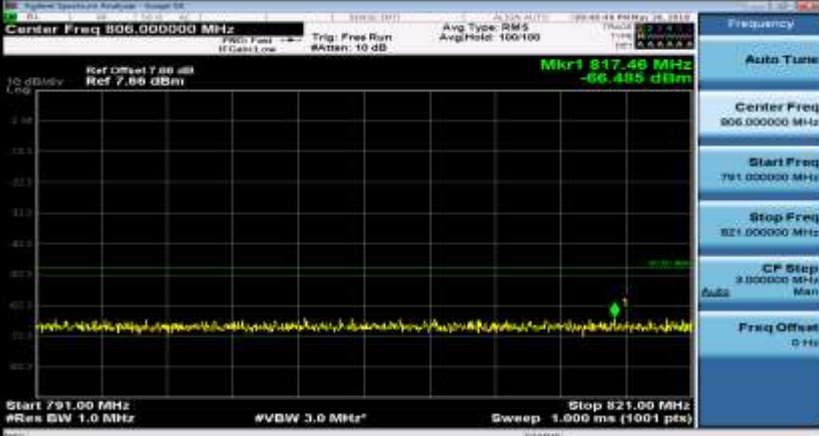
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
General	

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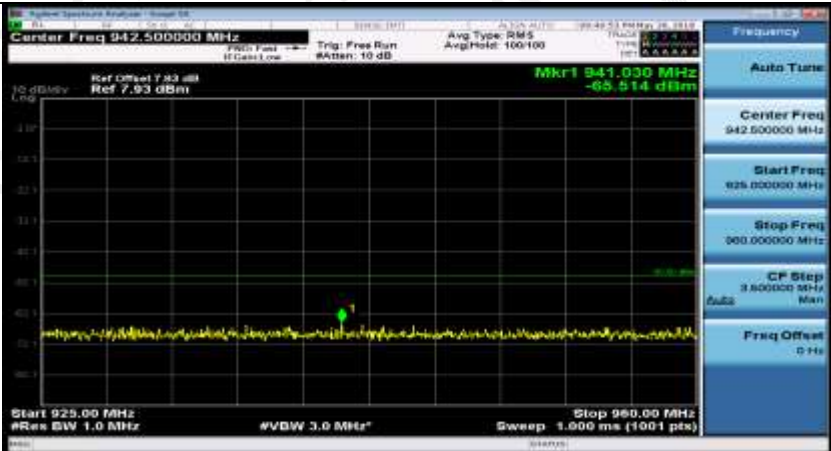
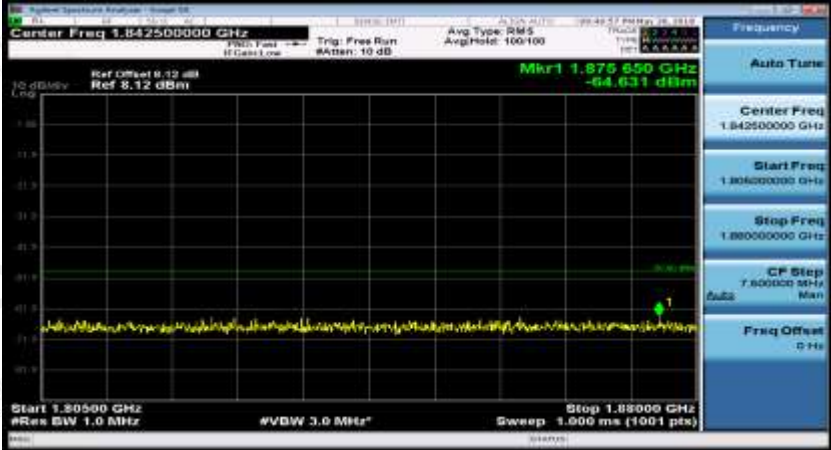
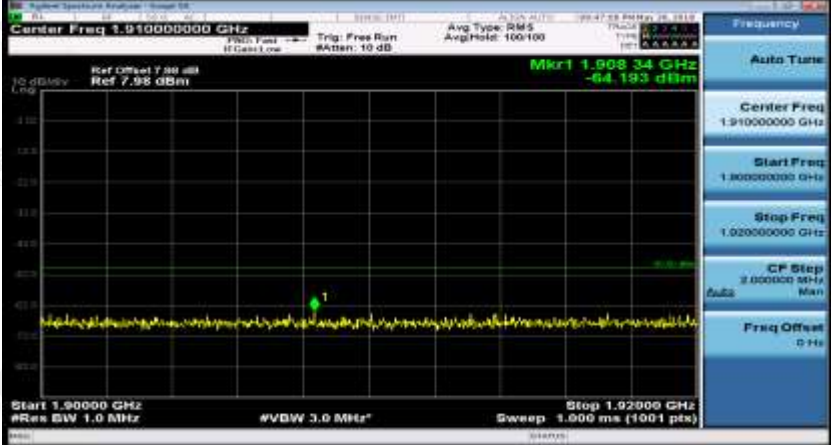
General		
General		
General		

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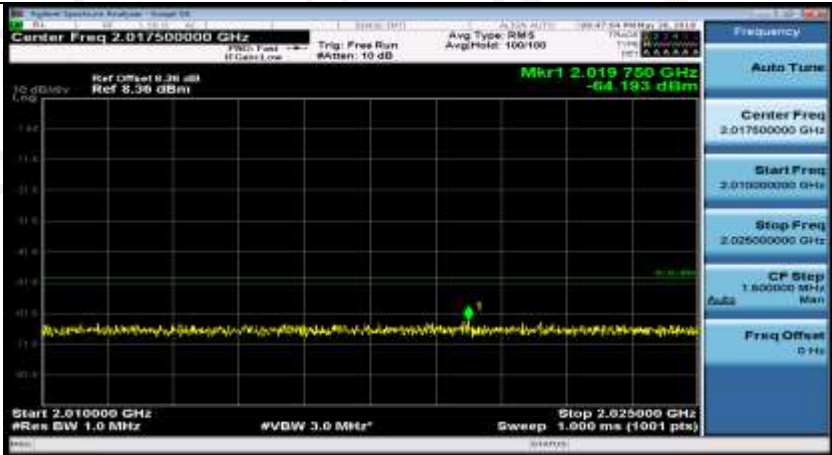
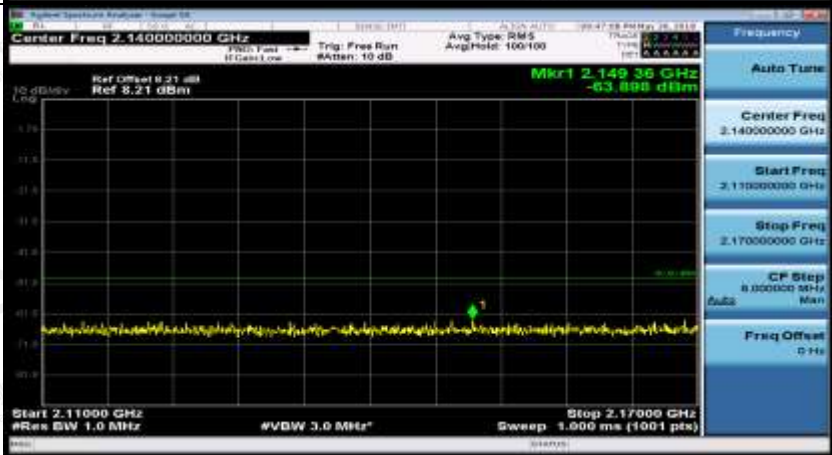
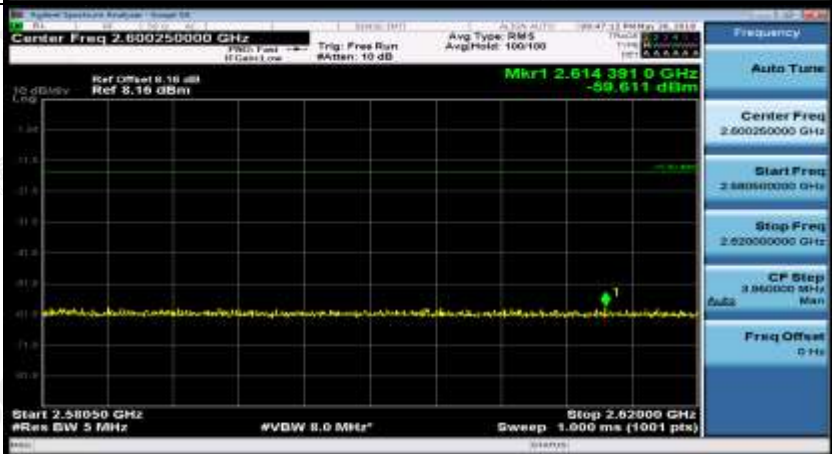
General		 <p>Center Freq 3.790250000 GHz Mkr1 4.8210 GHz -65.554 dBm</p>	
General		 <p>Center Freq 8.875000000 GHz Mkr1 9.35550 GHz -64.914 dBm</p>	
Co-existence		 <p>Center Freq 806.000000 MHz Mkr1 817.46 MHz -66.485 dBm</p>	

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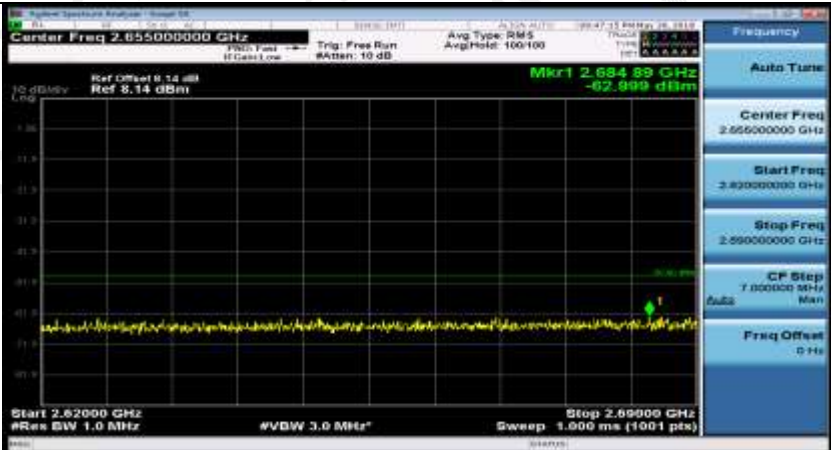
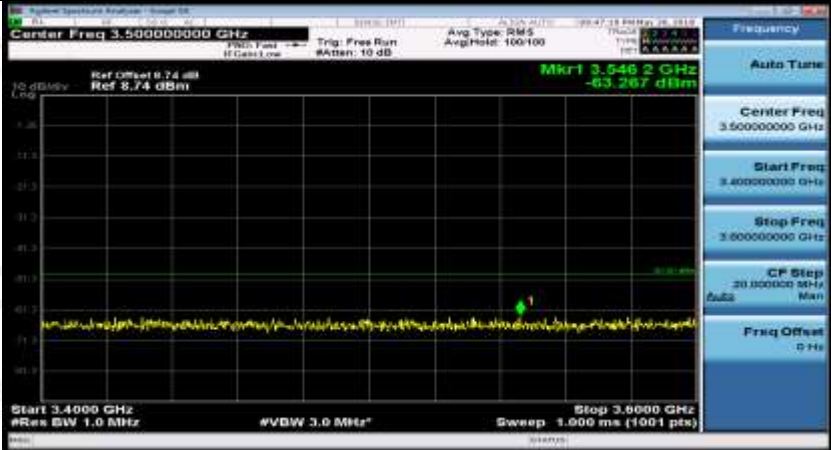
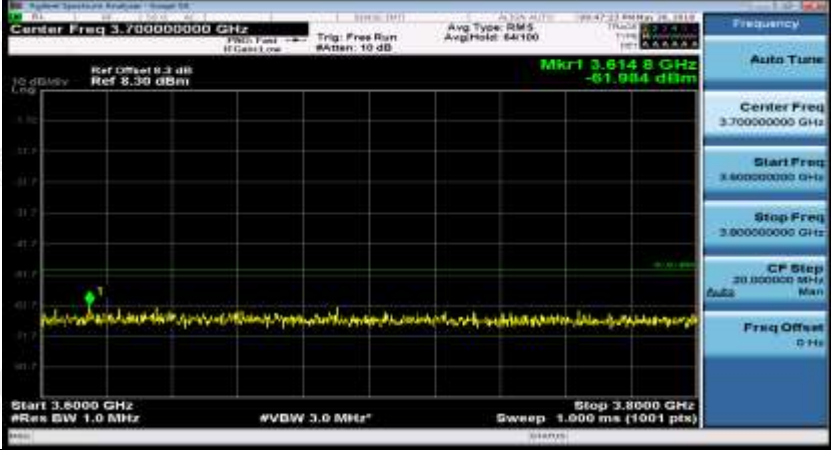
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

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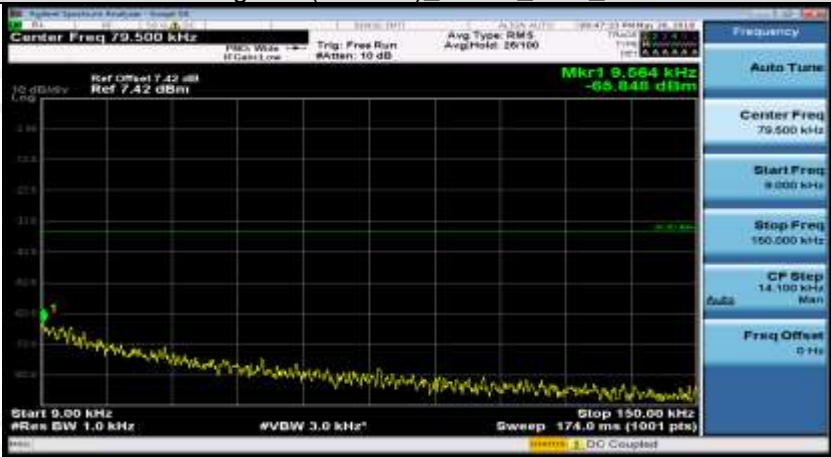
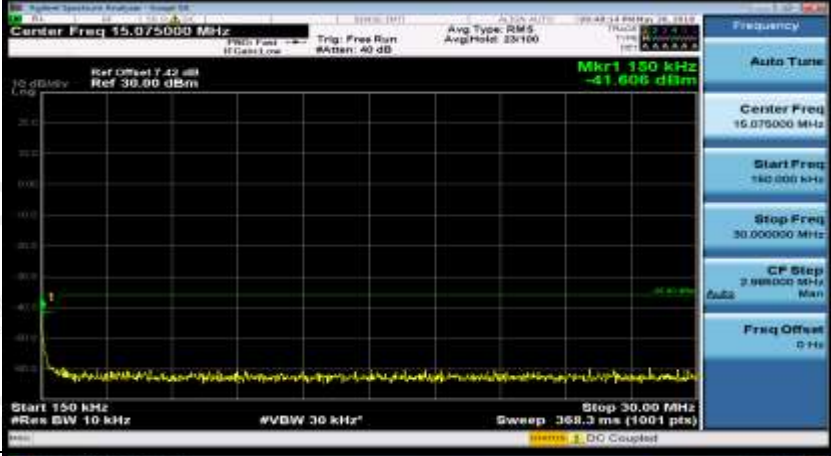
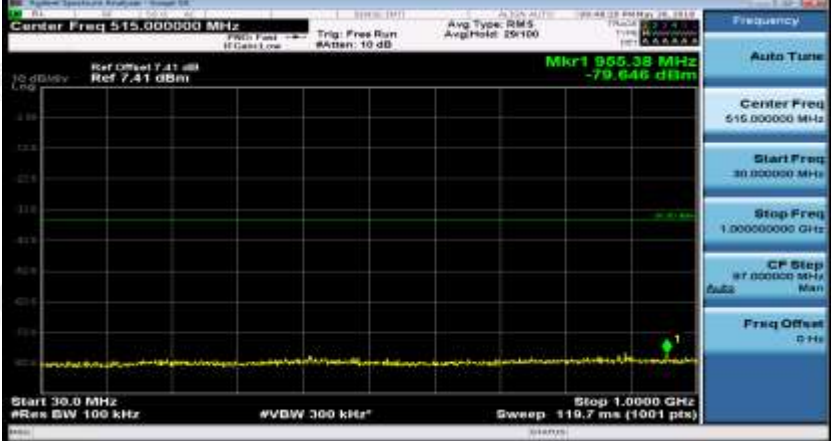
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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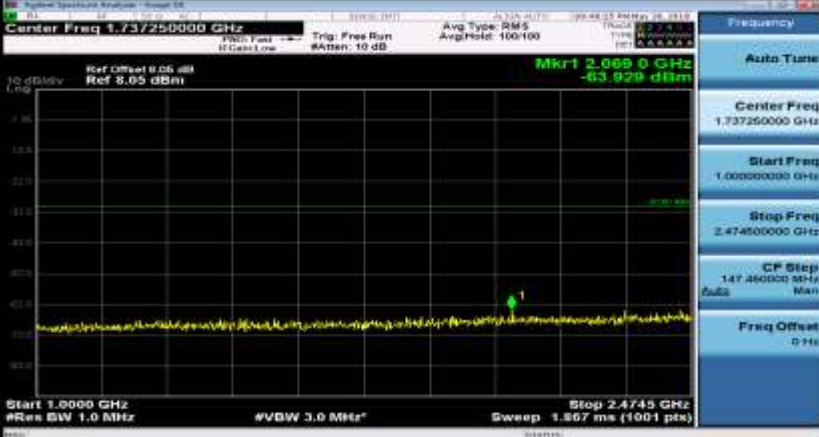
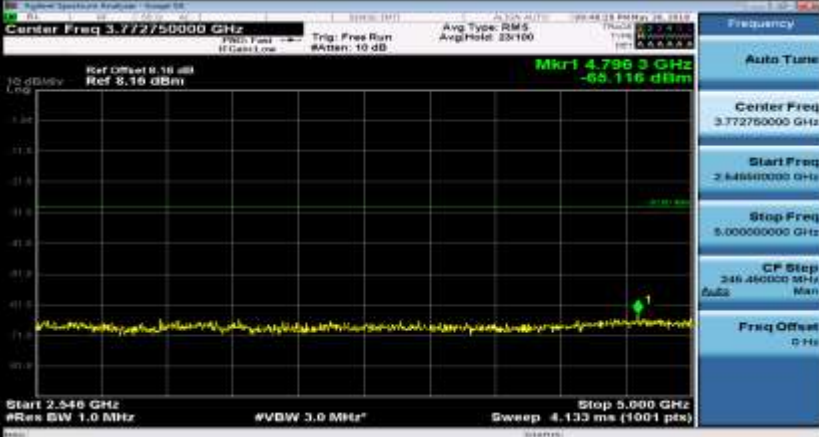



Channel Bandwidth= (20 MHz)

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

General		
General		
General		

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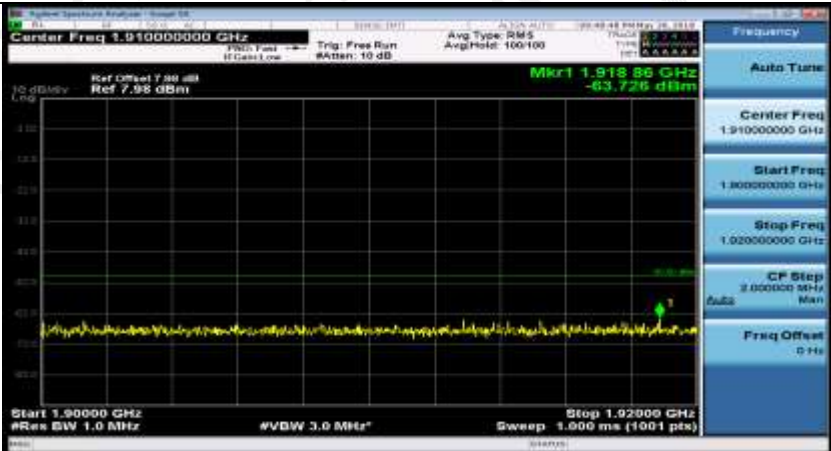
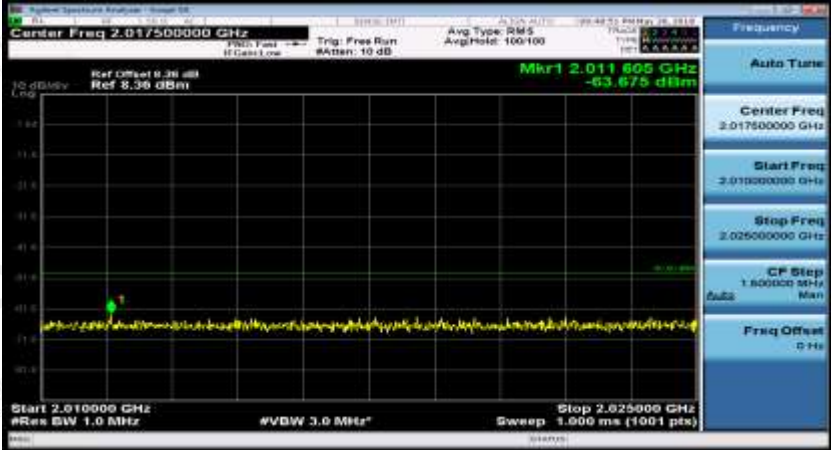
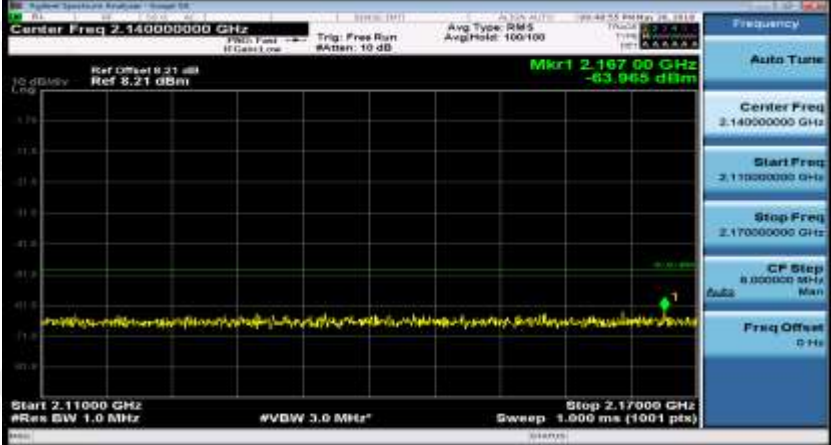
General			
General			
General			

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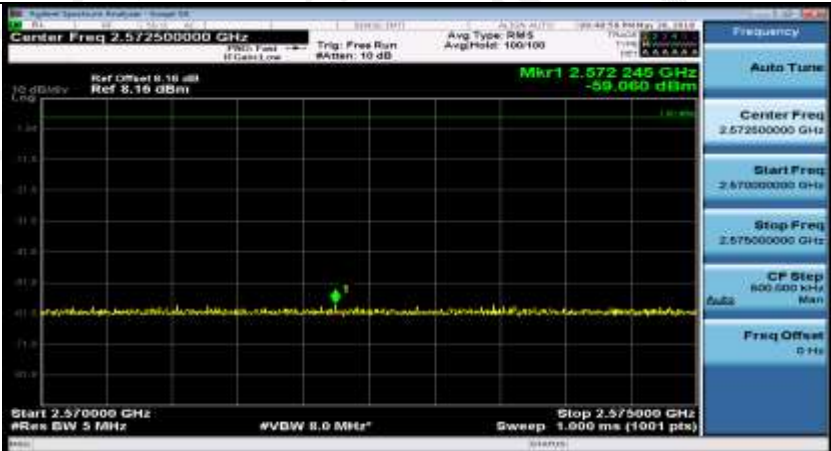
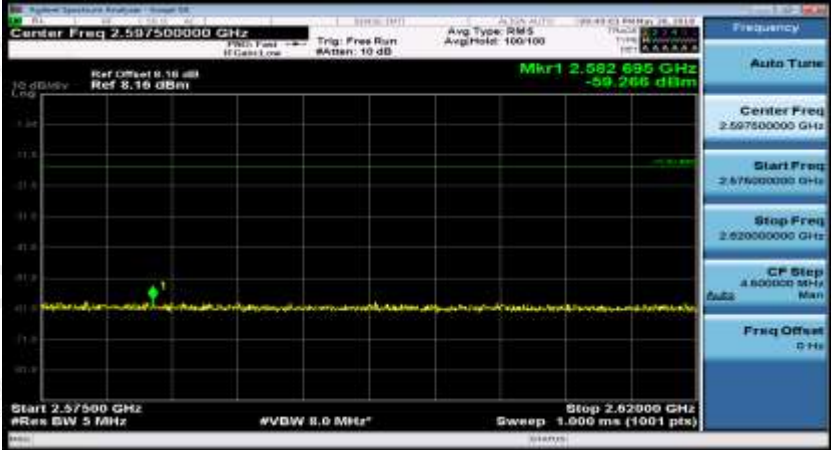
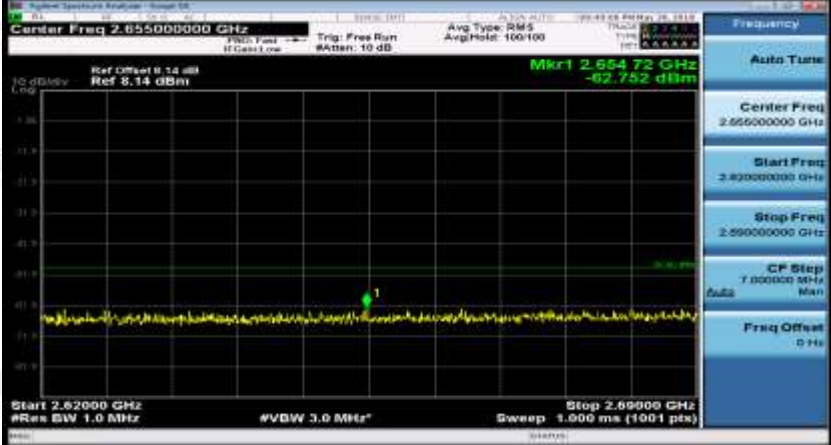
Co-existence	
Co-existence	
Co-existence	

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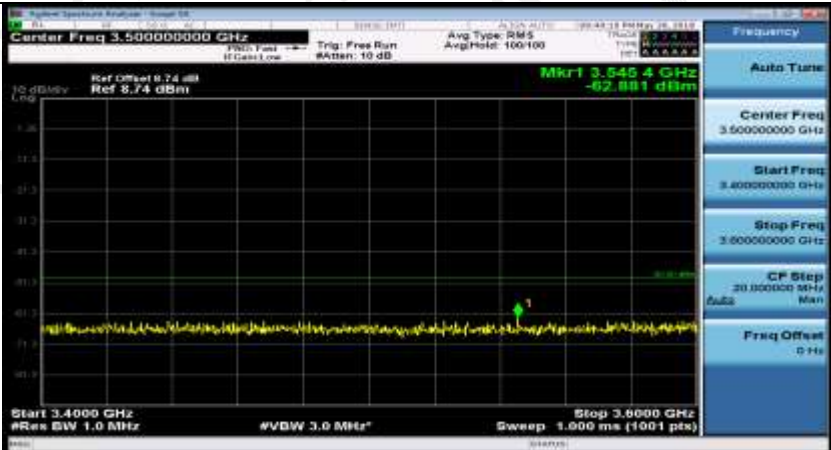
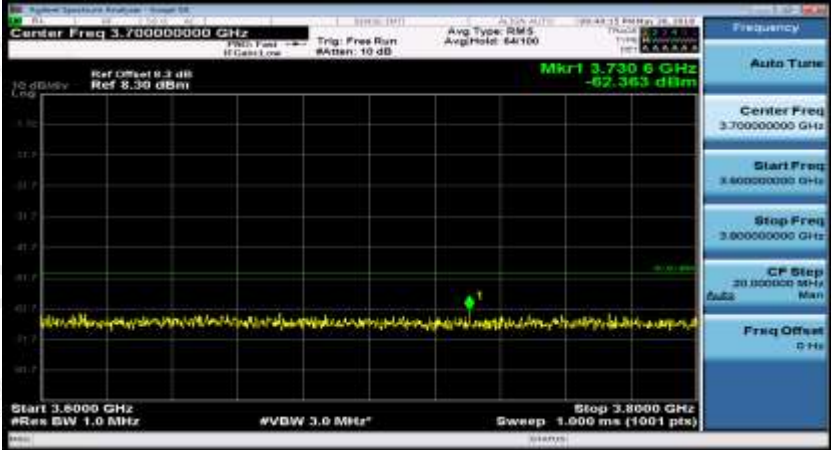
Co-existence	
Co-existence	
Co-existence	


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Co-existence	
Co-existence	
Co-existence	

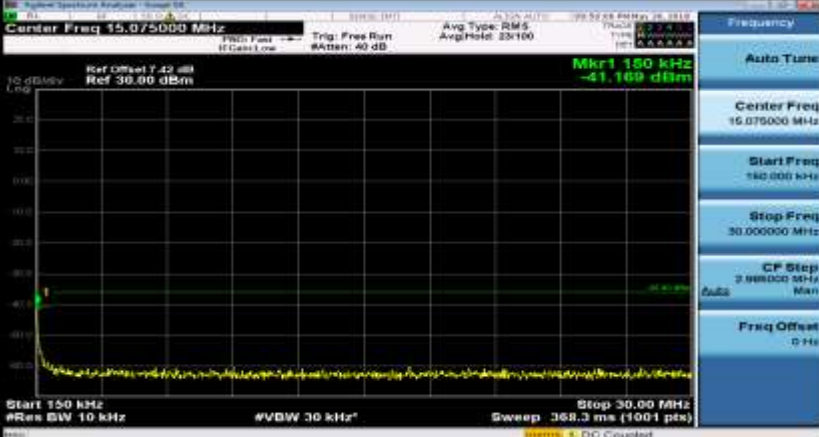
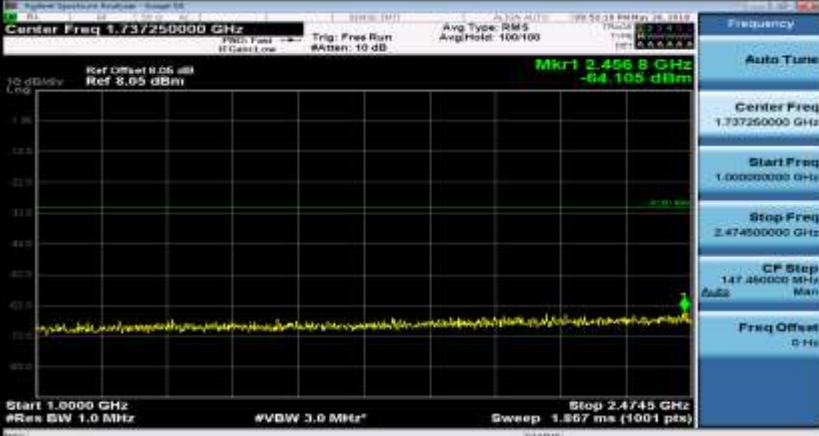
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Co-existence	
Co-existence	
Additional	NA

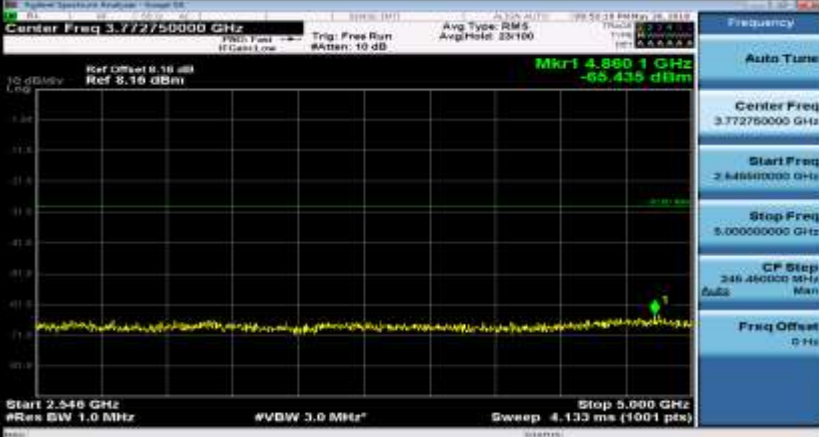

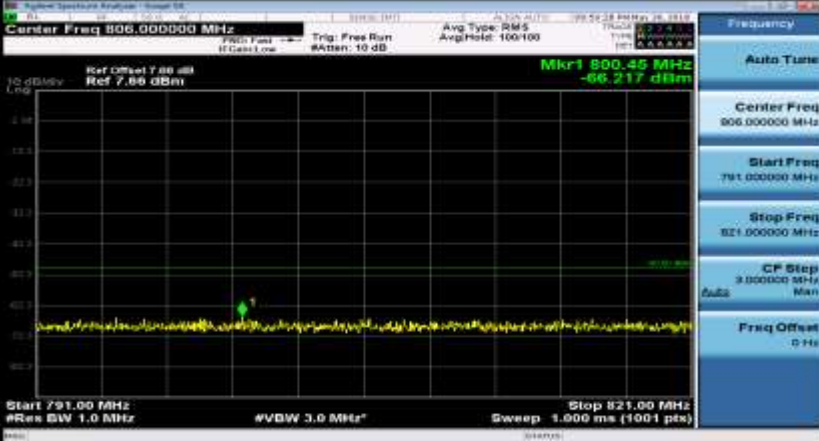
Channel Bandwidth=Highest (20MHz)_QPSK_LCH_1RB#max	
General	

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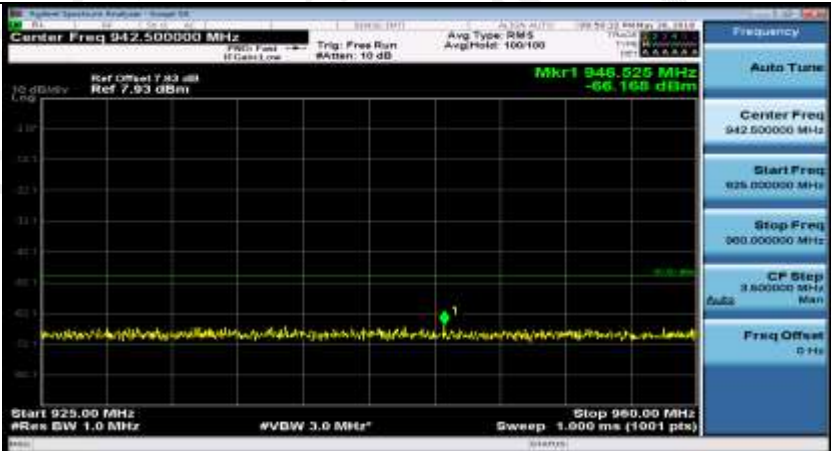
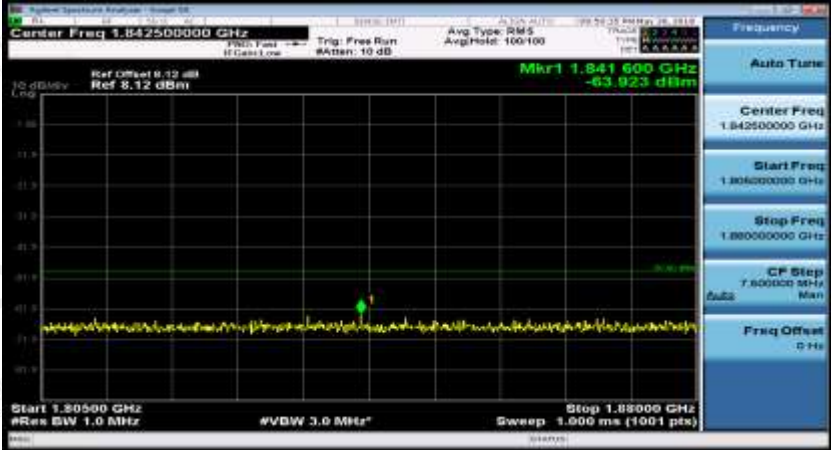
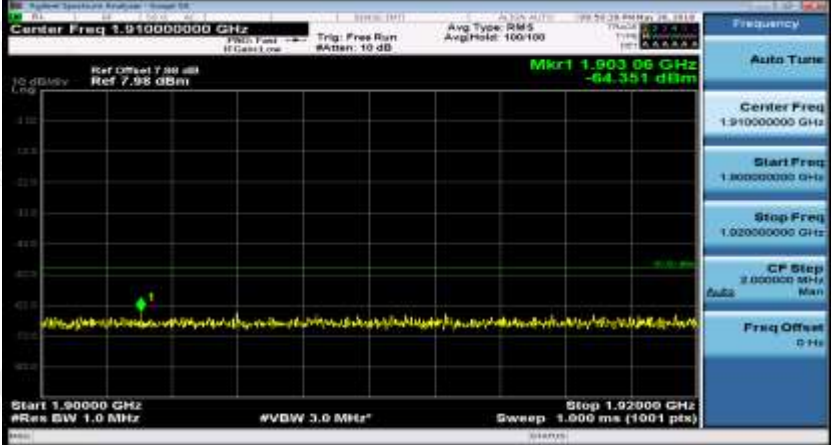
General			
General			
General			

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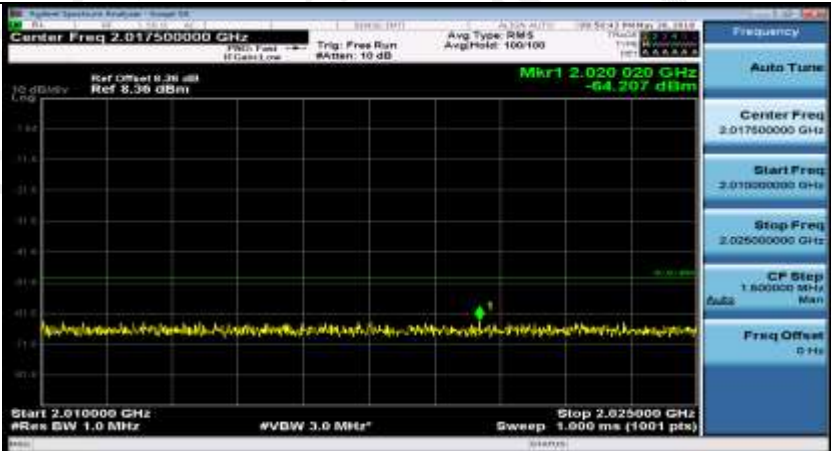
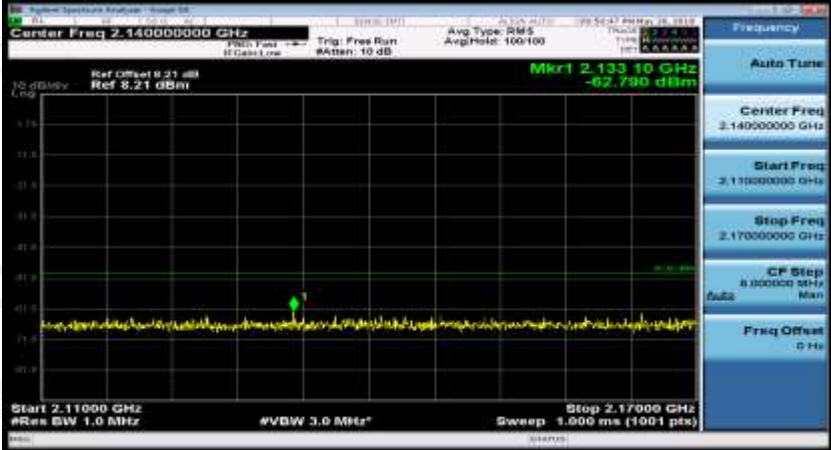
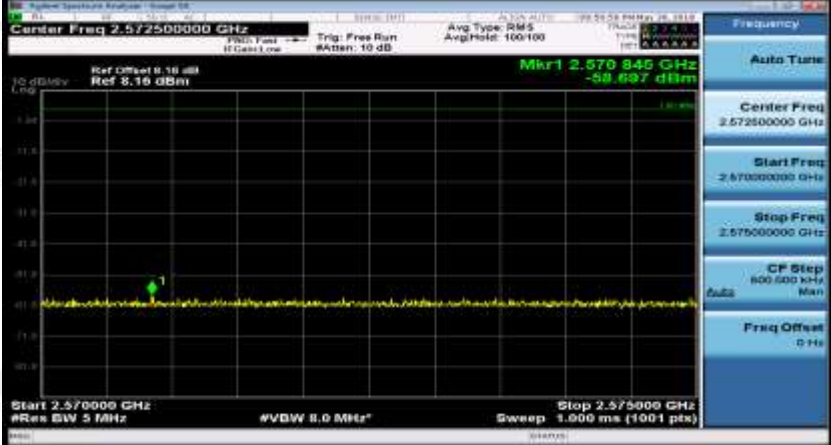
General			
General			
Co-existence			

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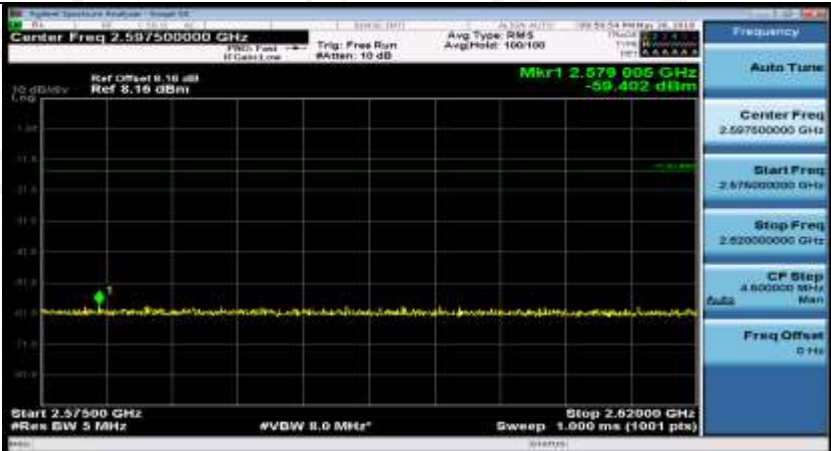
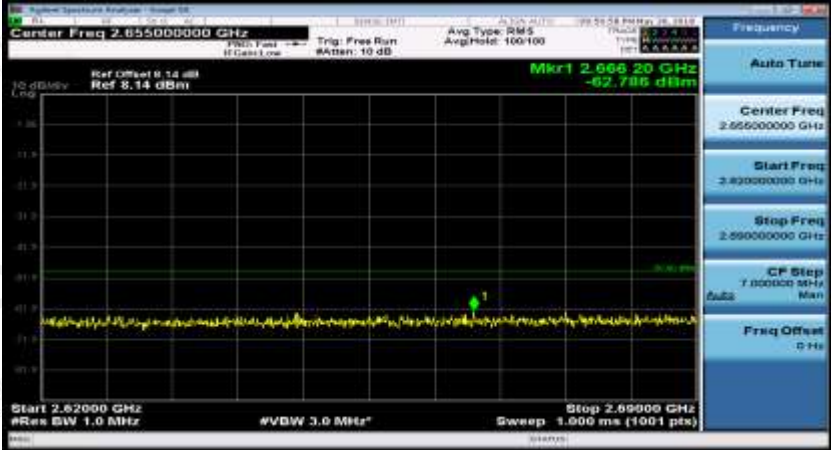
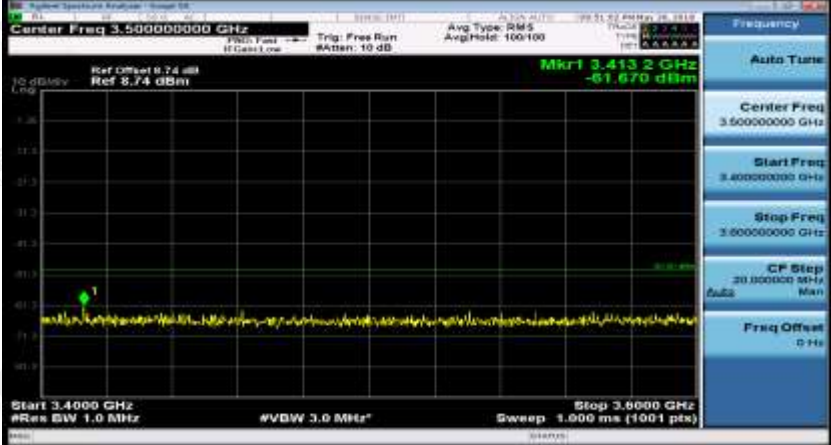
Co-existence	
Co-existence	
Co-existence	

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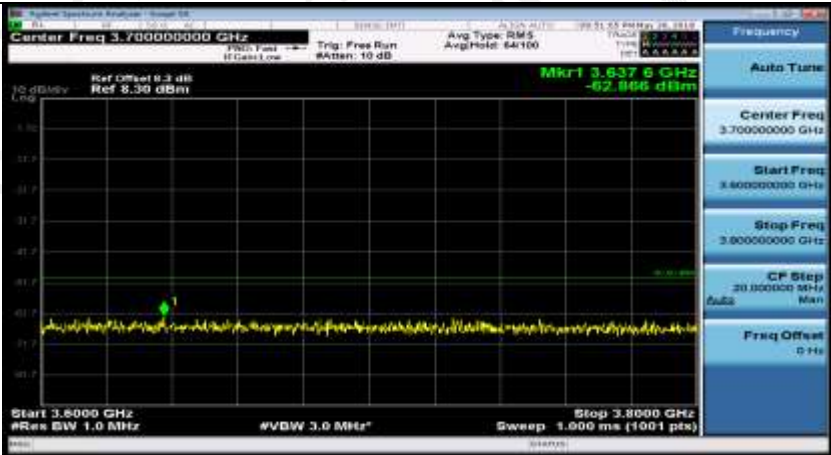
Co-existence	
Co-existence	
Co-existence	

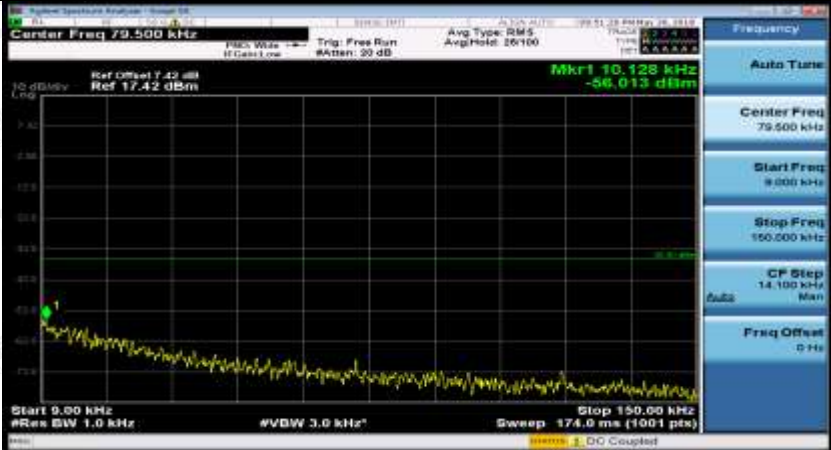
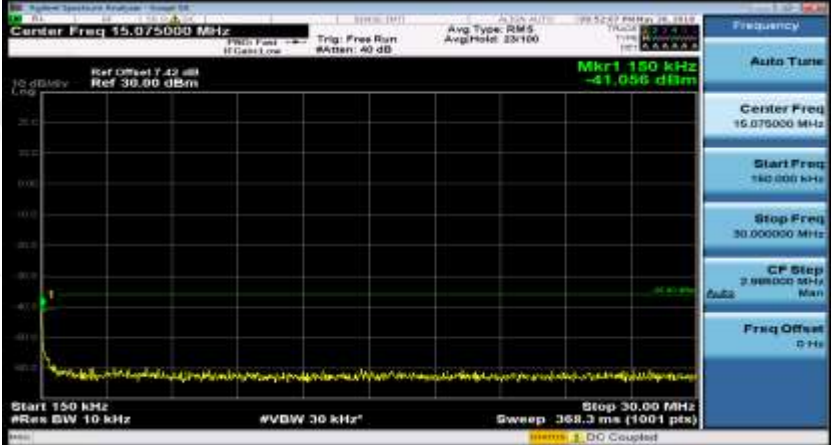
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence		
Co-existence		
Co-existence		

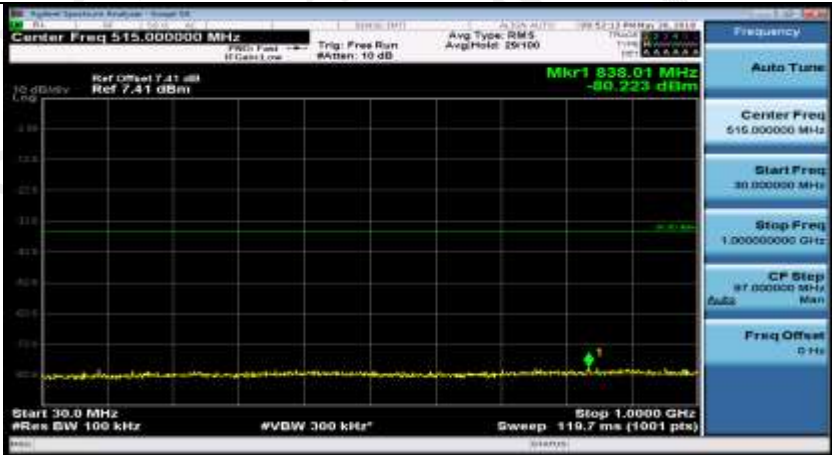
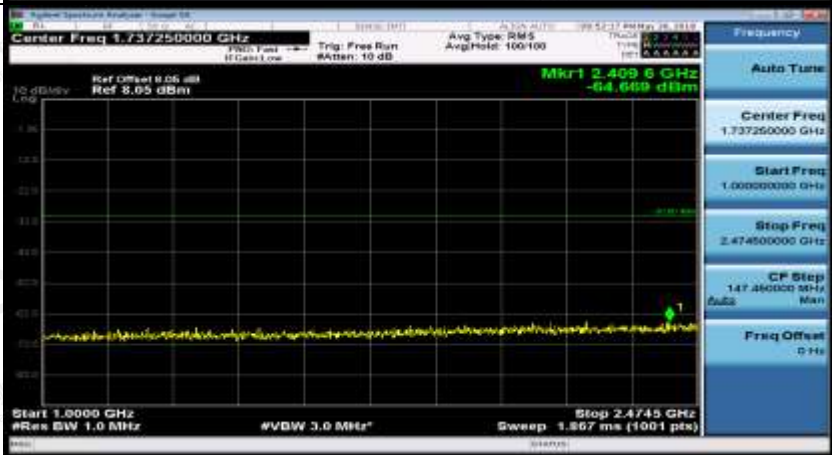

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Co-existence	
Additional	NA


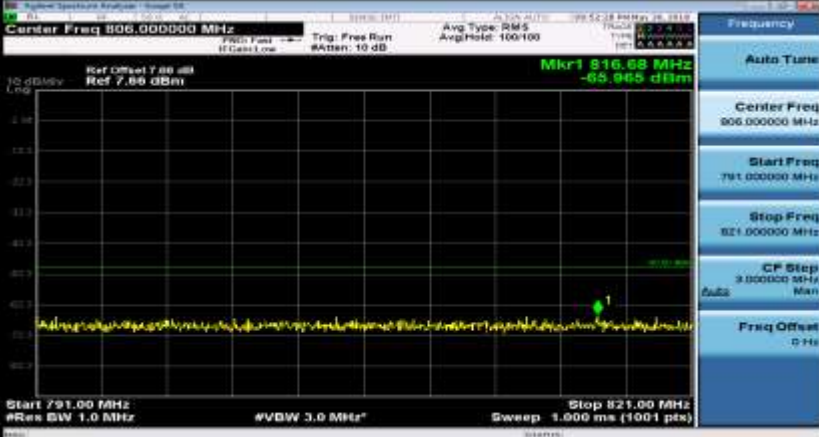
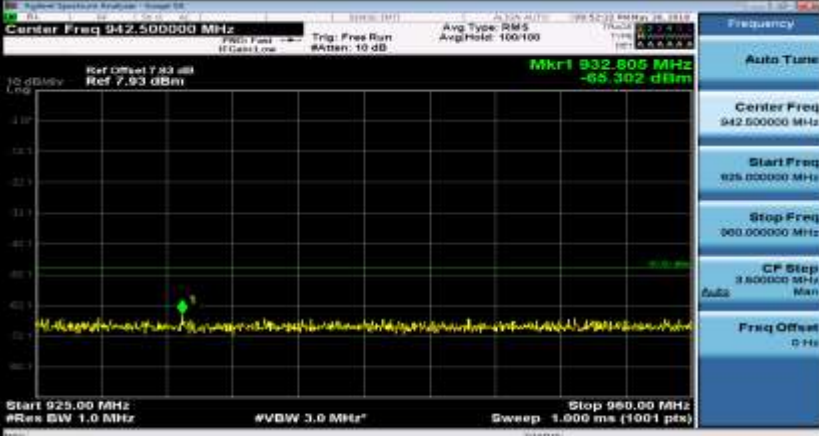
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	
General	

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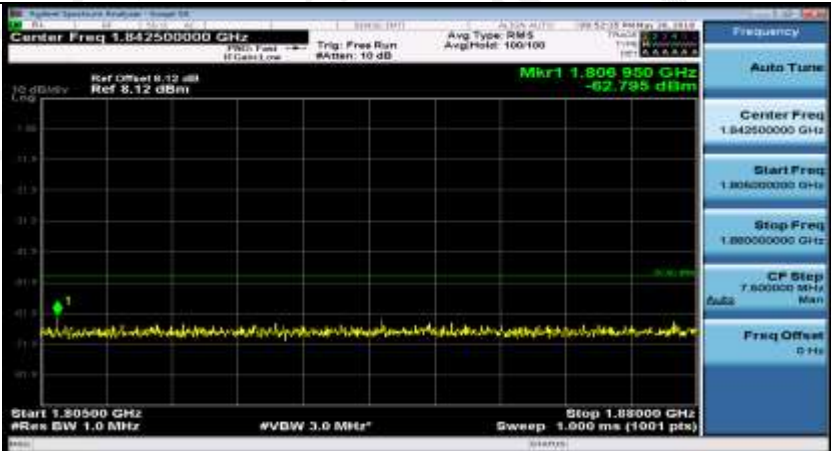
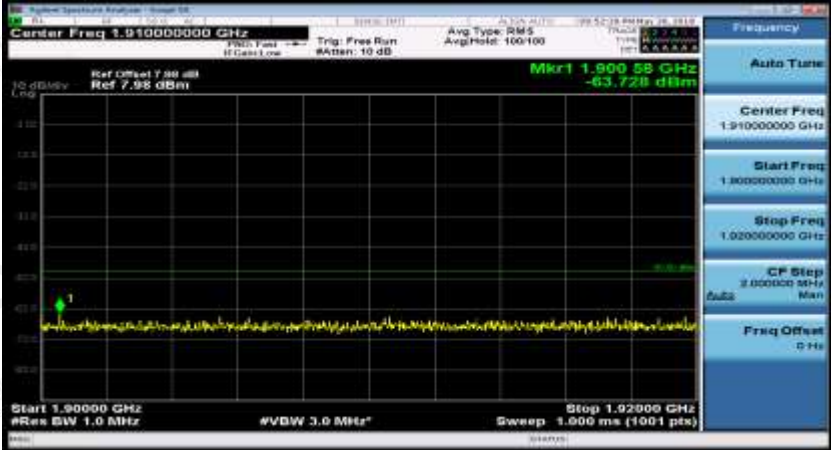
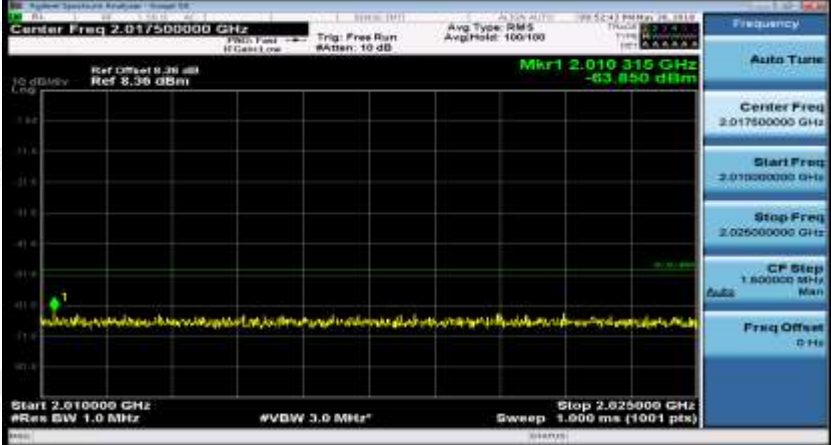
General			
General			
General			

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General			
Co-existence			
Co-existence			

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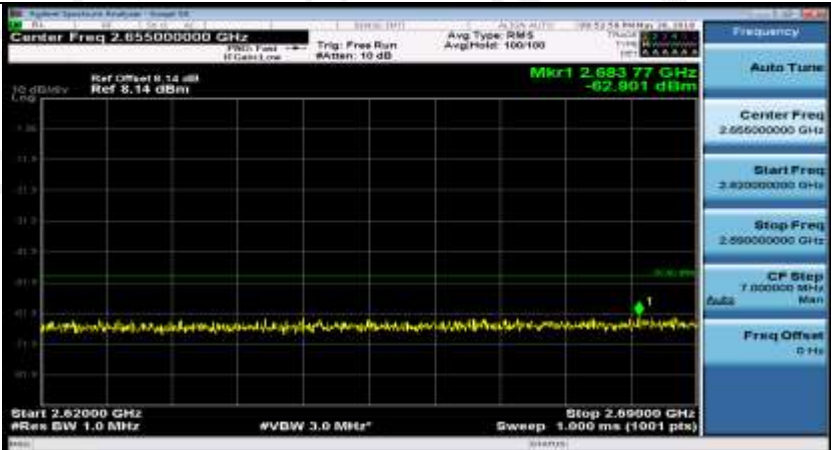
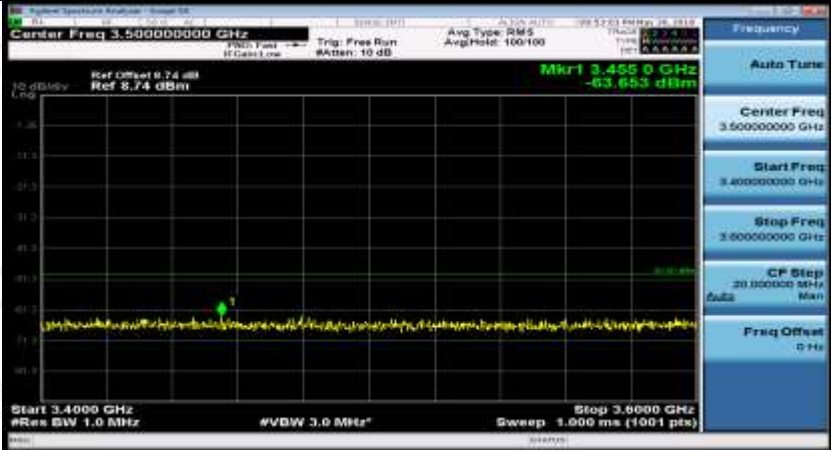
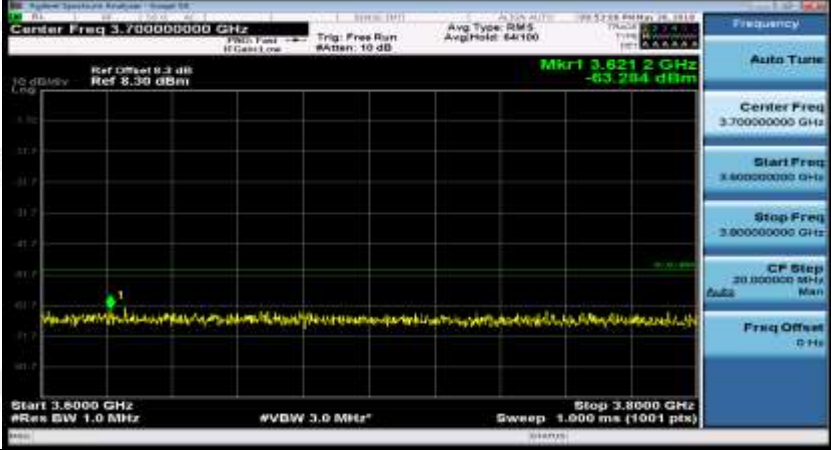
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

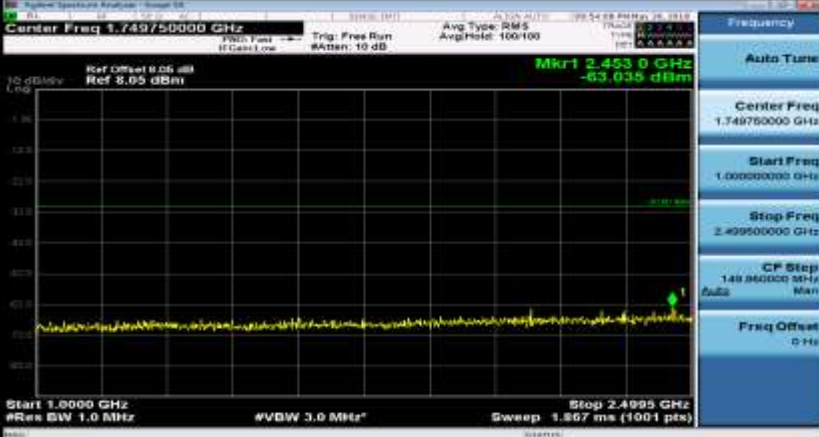


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Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

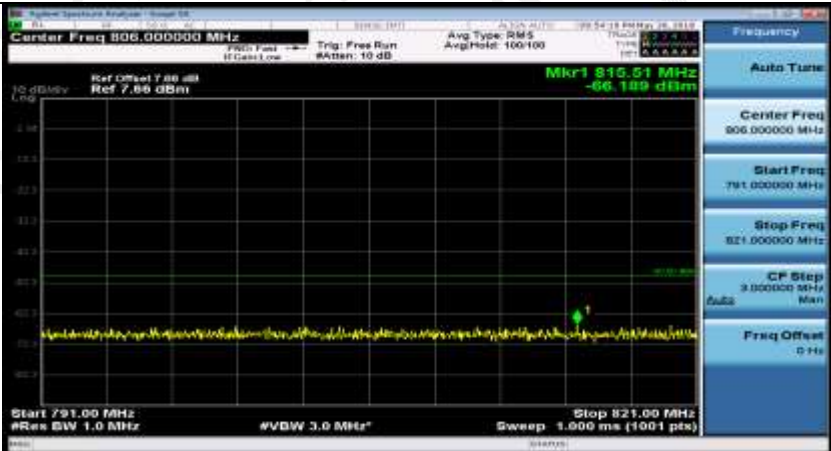
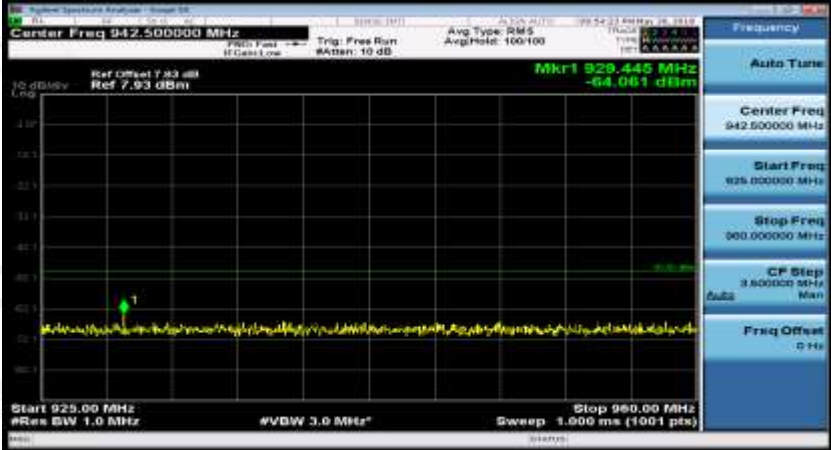
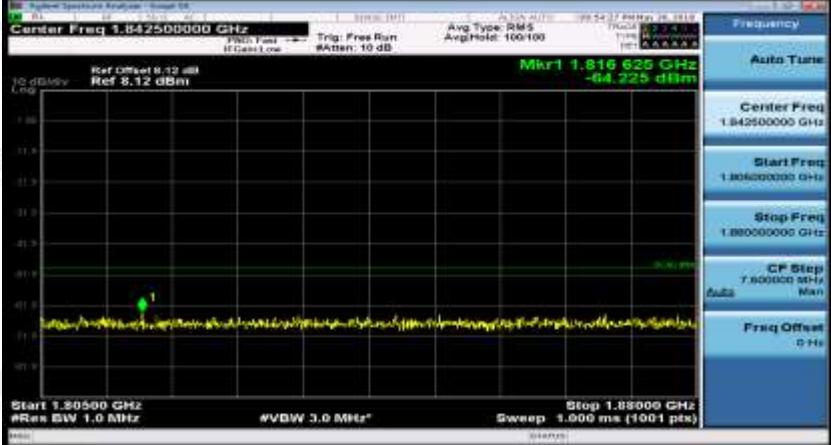
General		
General		
General		

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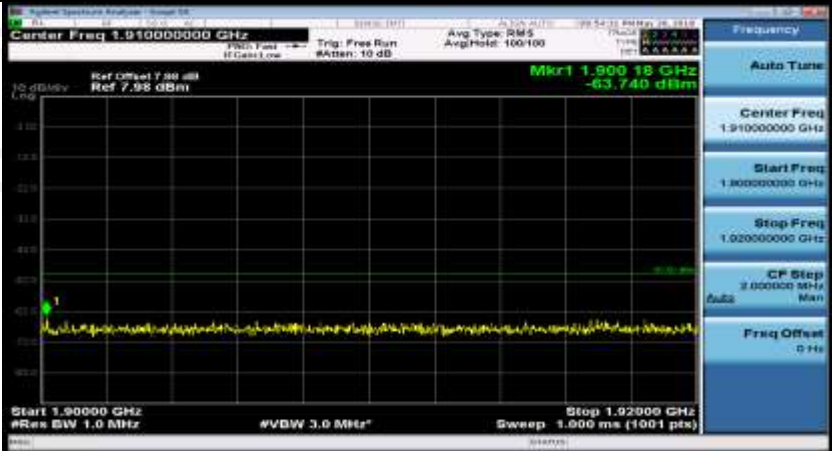
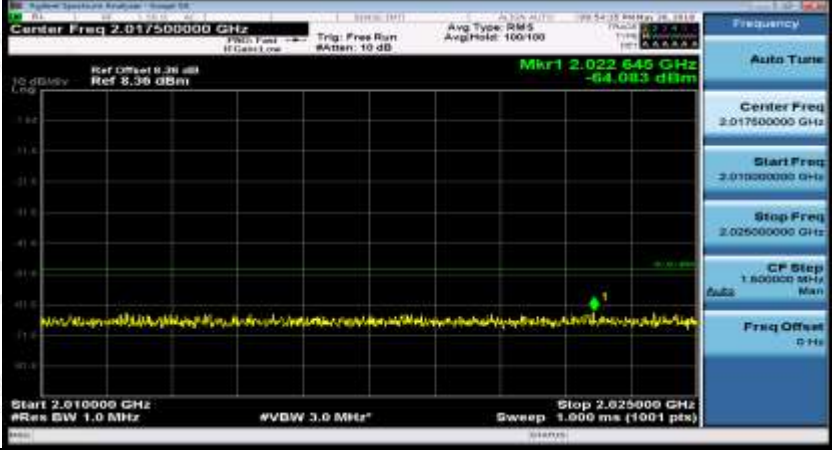
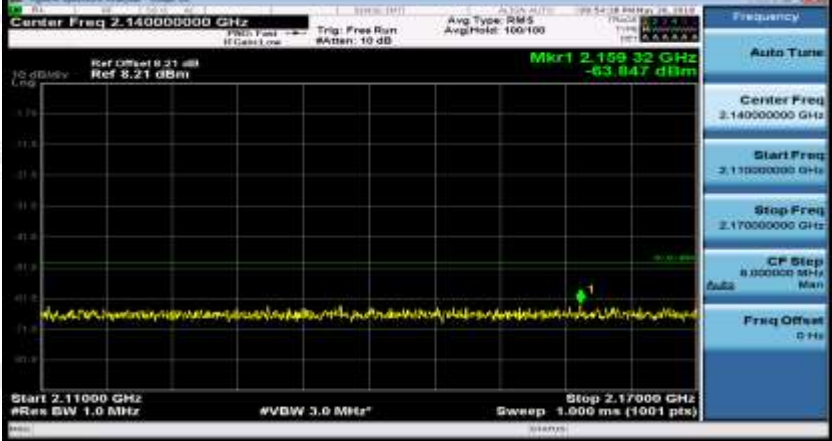
General			
General			
General			

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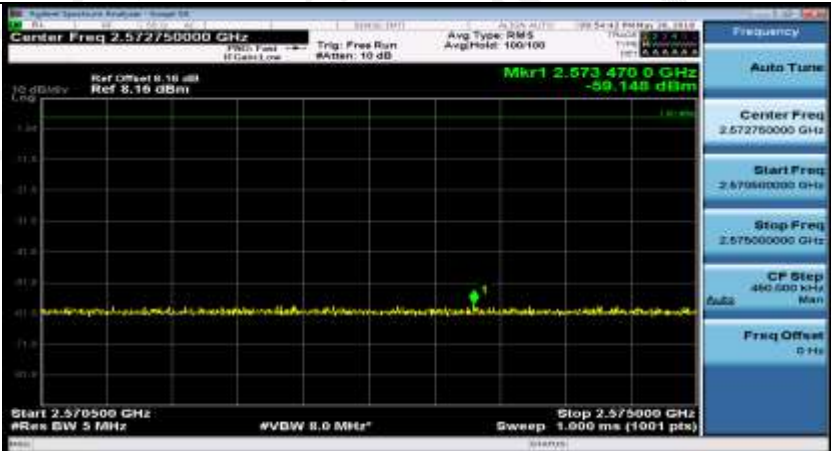
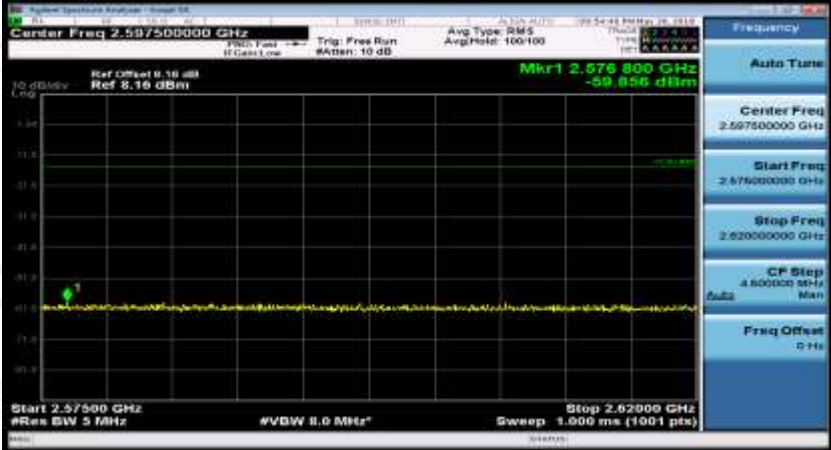
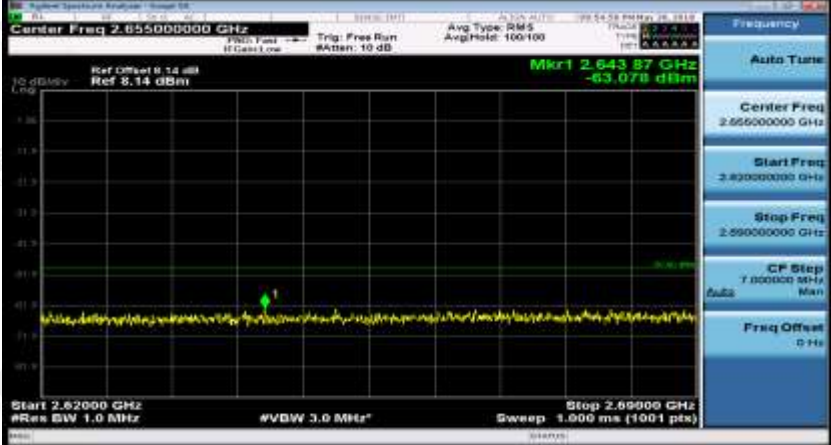
Co-existence	
Co-existence	
Co-existence	

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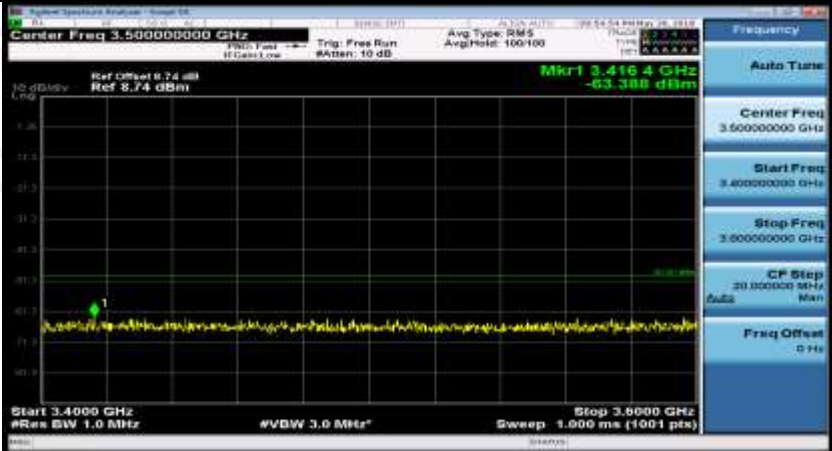
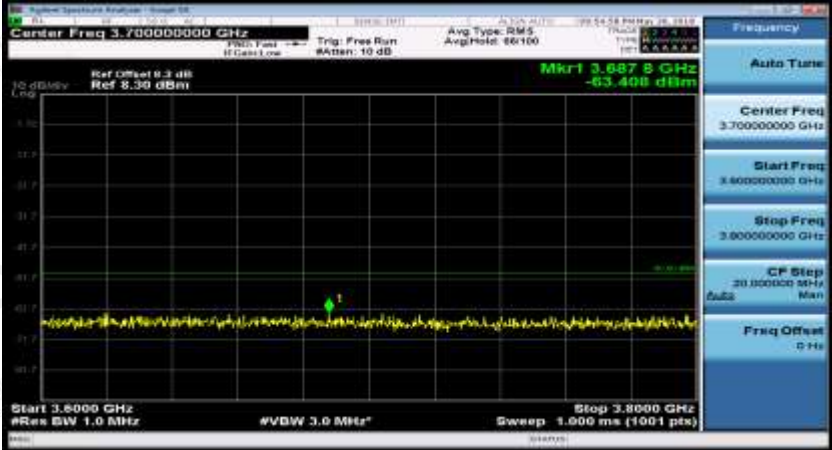
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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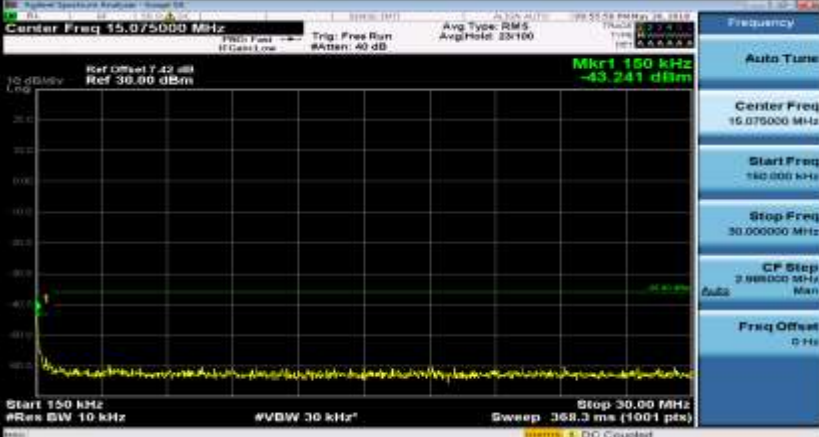
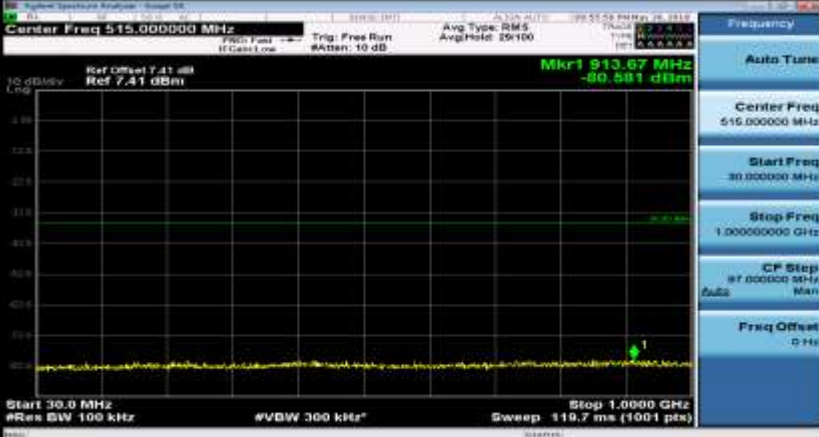
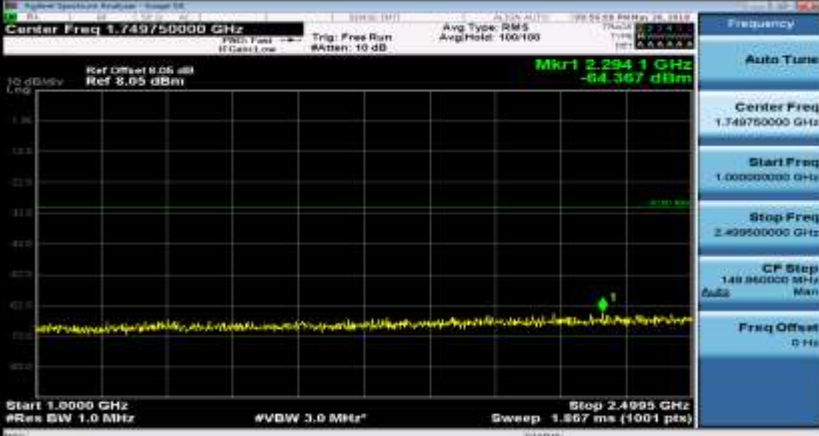


Co-existence	
Co-existence	
Additional	NA

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



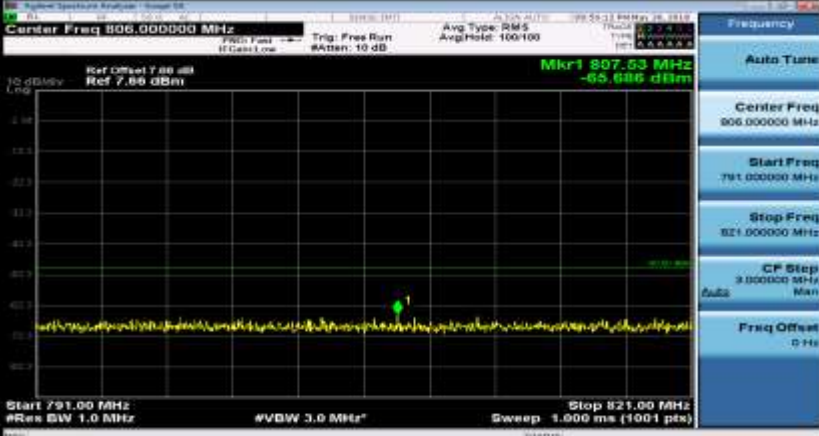
General	
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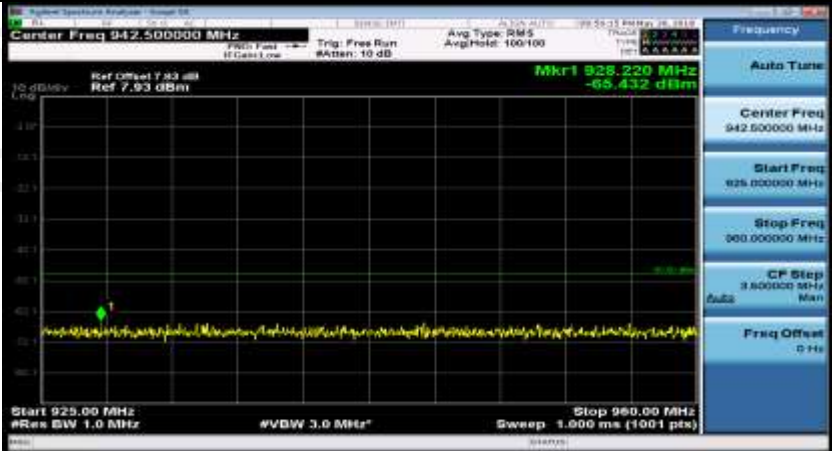
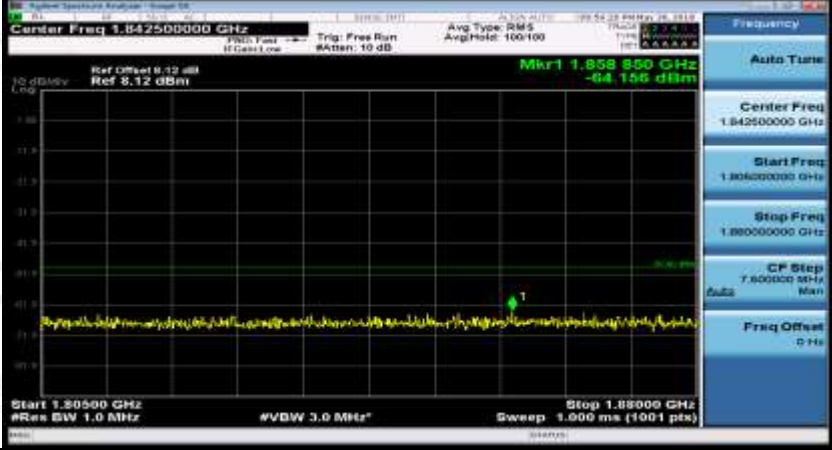
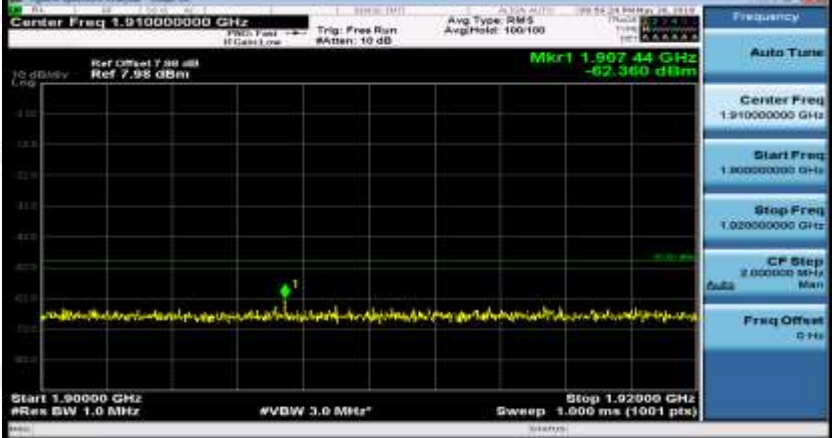
General			
General			
General			

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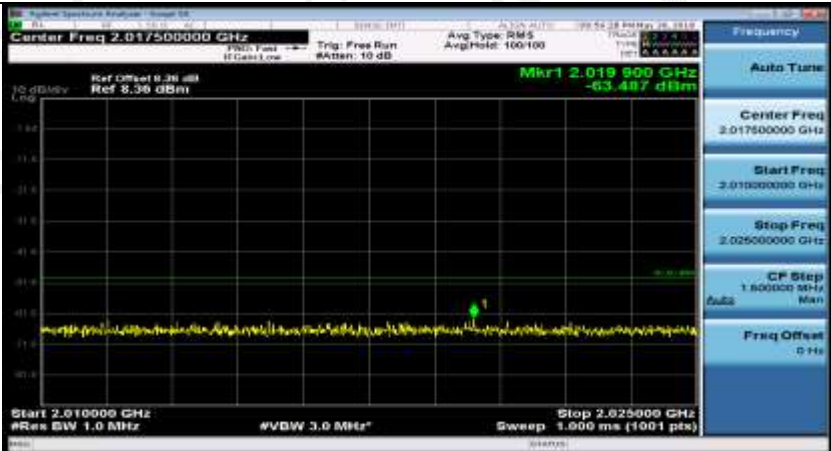
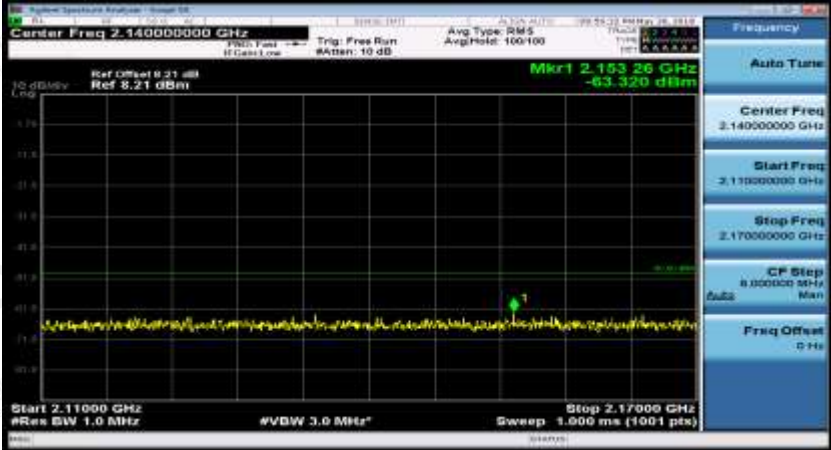
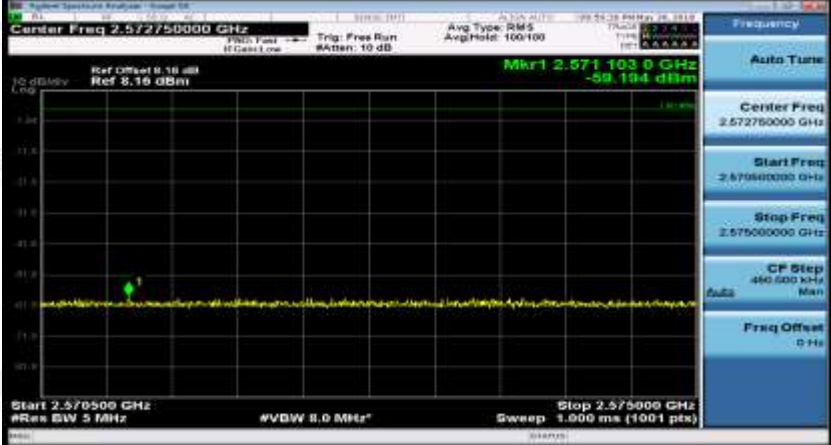
General			
General			
Co-existence			

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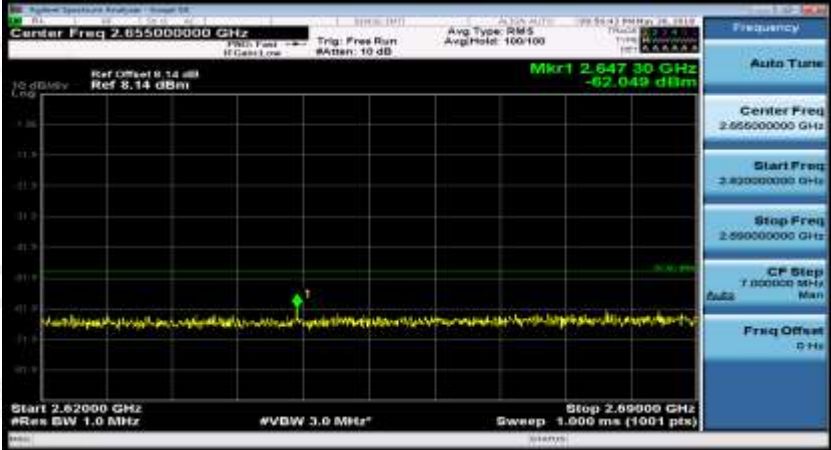
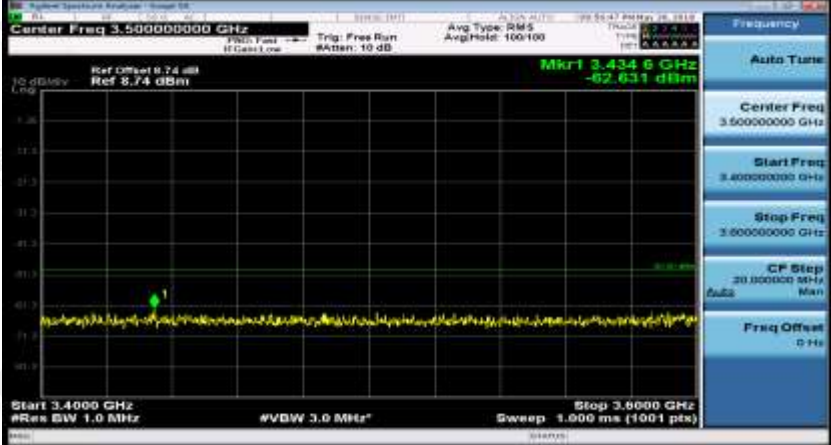
Co-existence	
Co-existence	
Co-existence	

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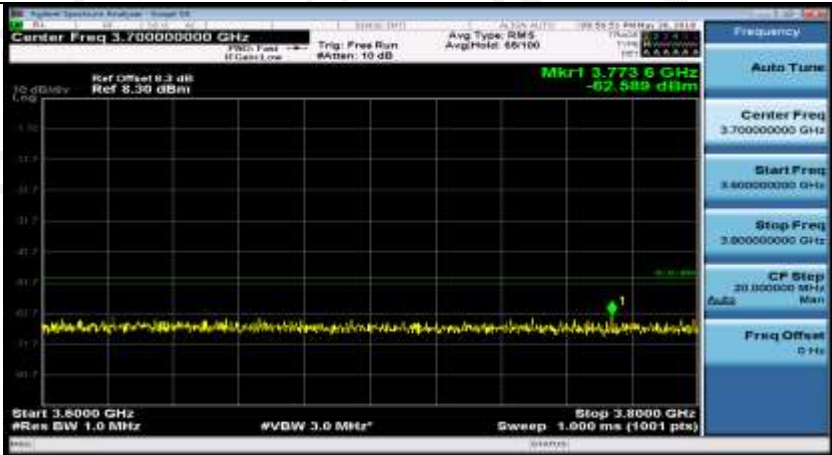
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

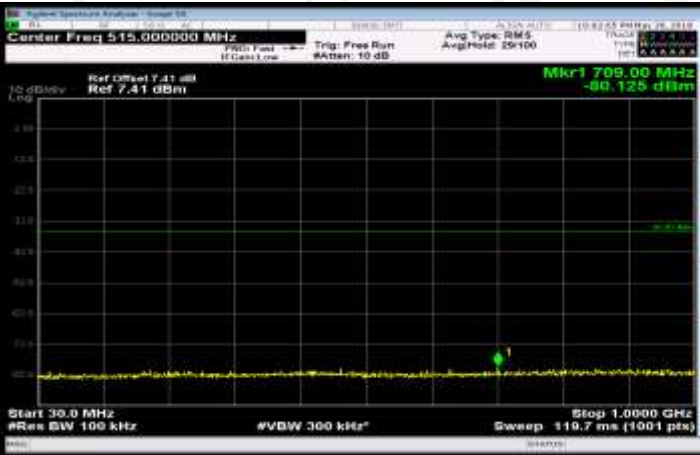
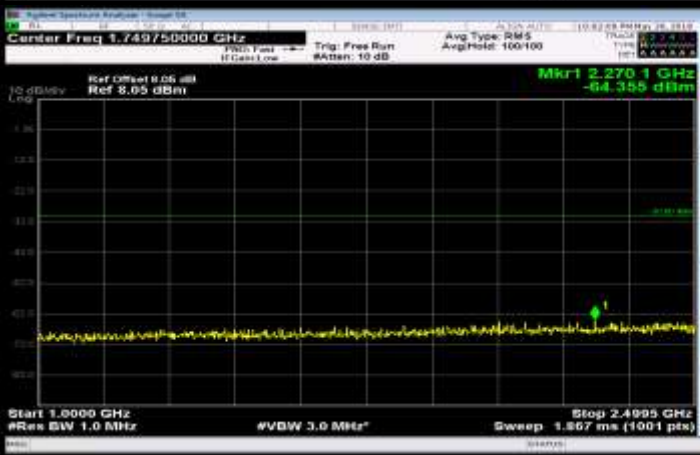

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Co-existence	
Additional	NA


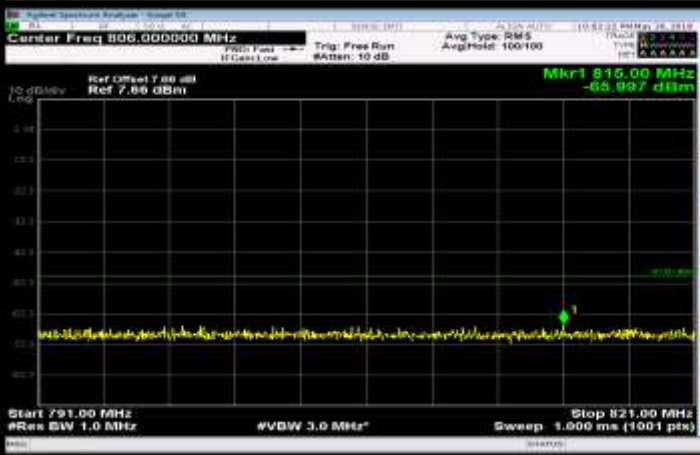
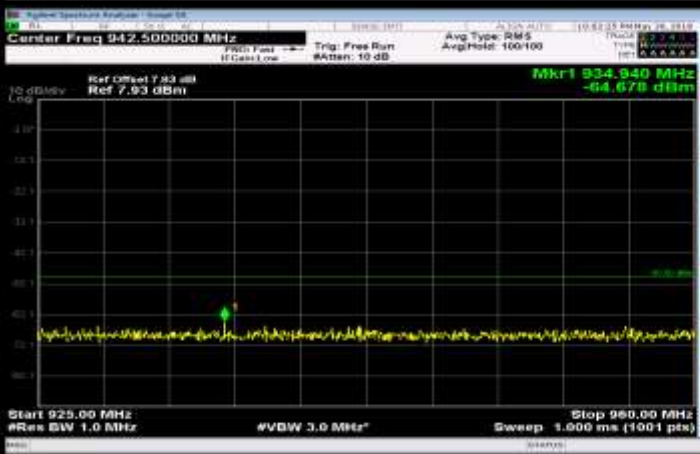
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	
General	

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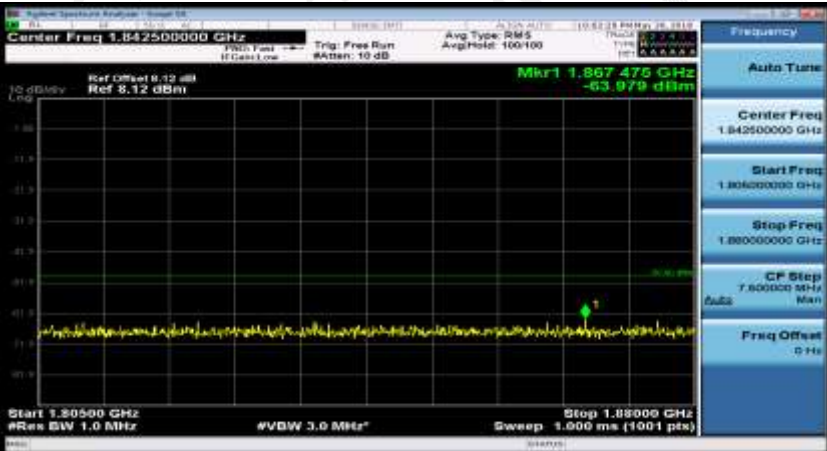
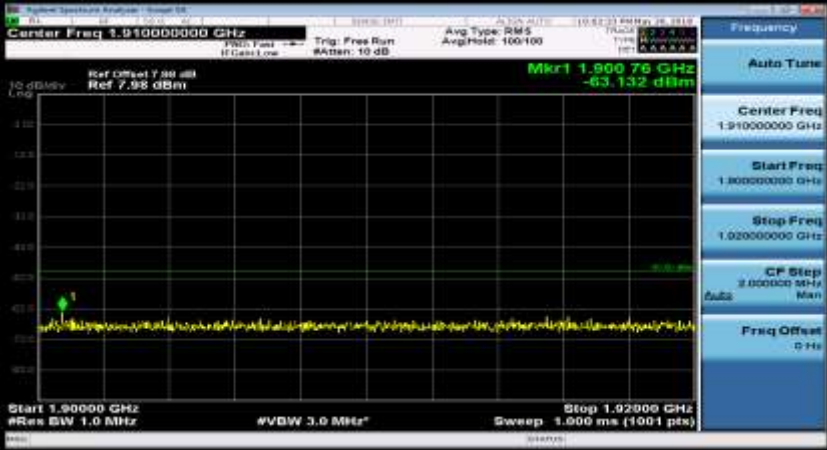
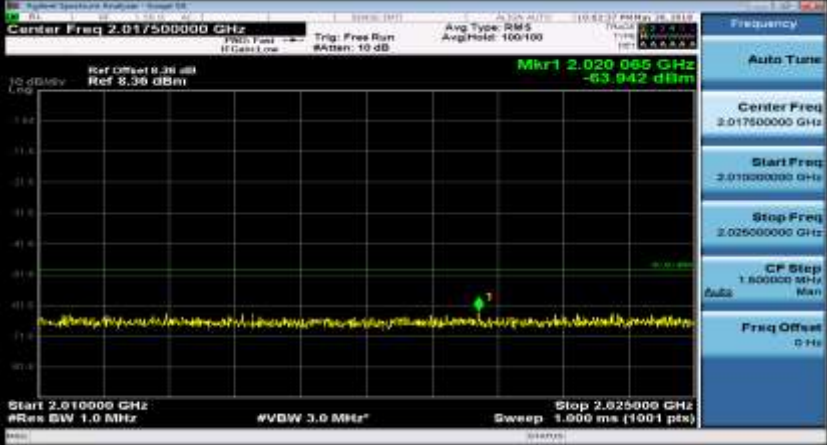
General		
General		
General		

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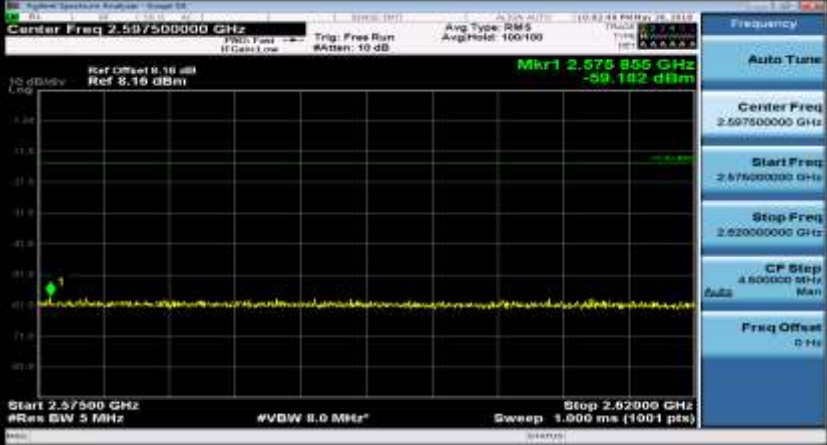
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 8.87500000 GHz</p> <p>Start Freq 8.00000000 GHz</p> <p>Stop Freq 12.75000000 GHz</p> <p>CF Step 375.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Co-existence		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 806.000000 MHz</p> <p>Start Freq 791.000000 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 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>

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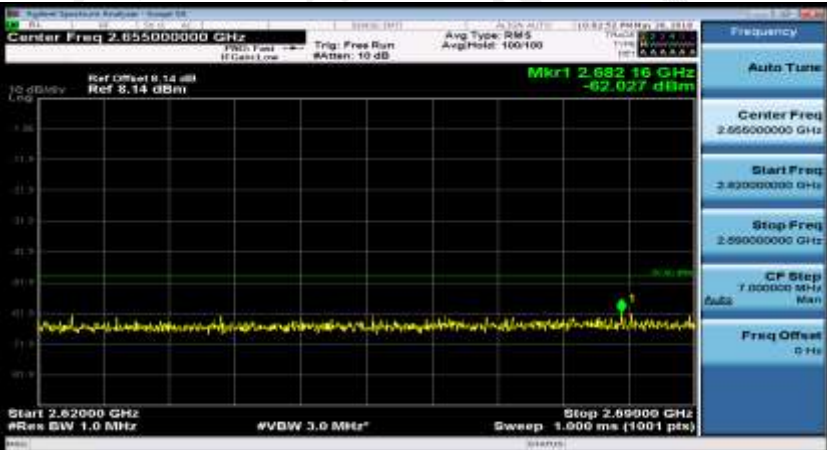
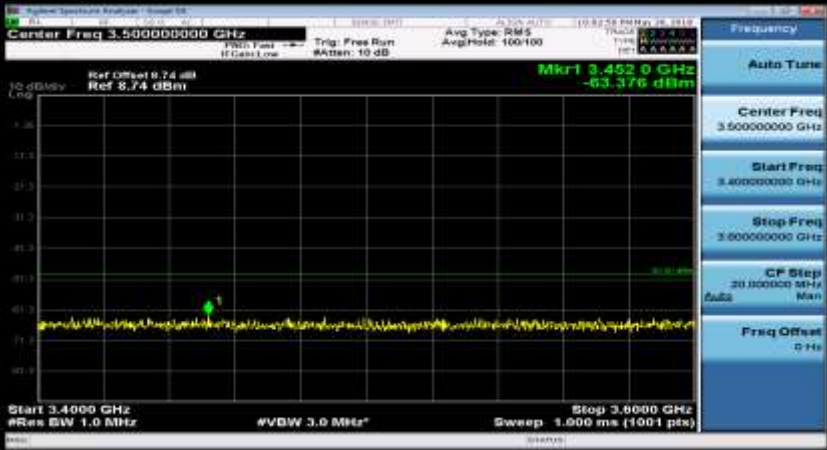
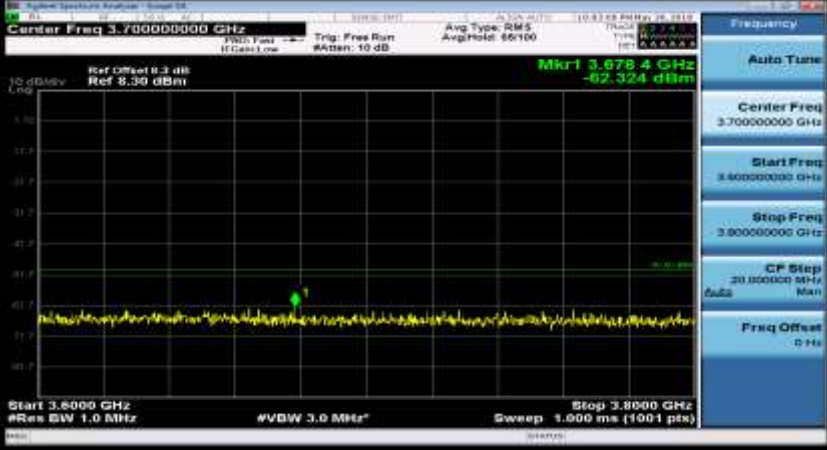
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

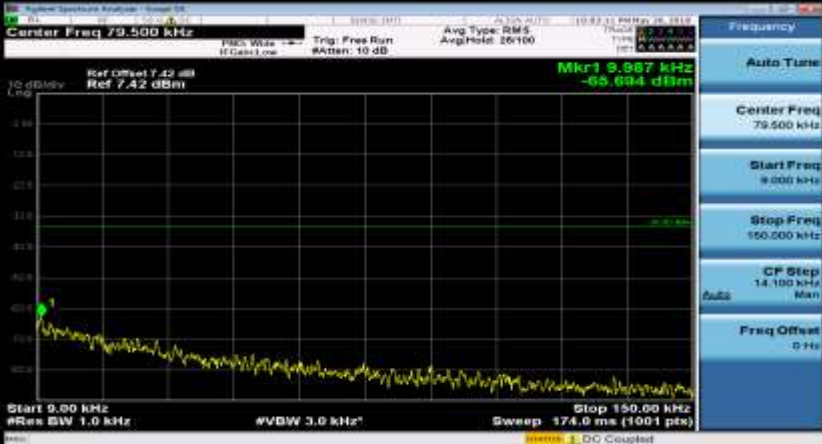

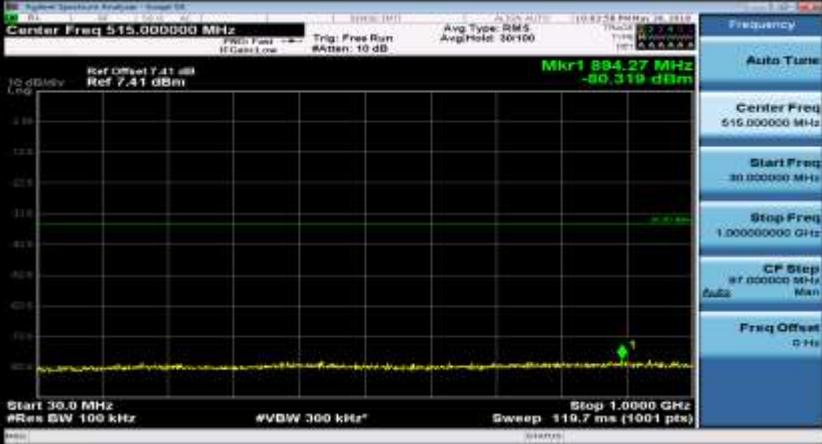
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Co-existence	
Additional	NA

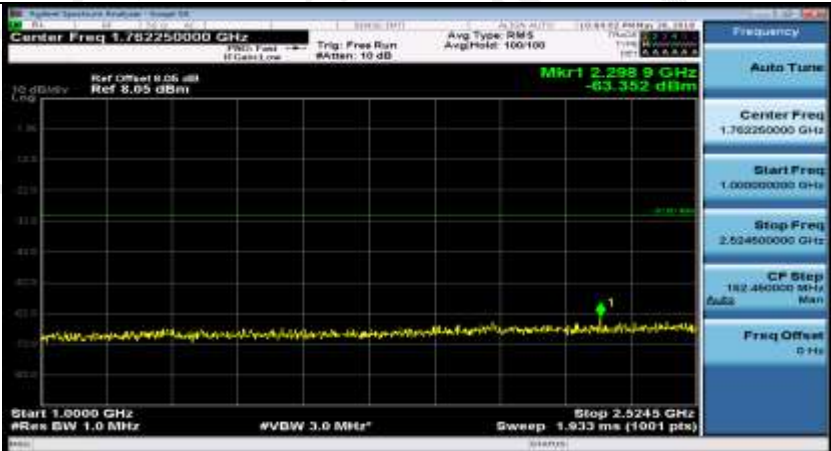


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Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0

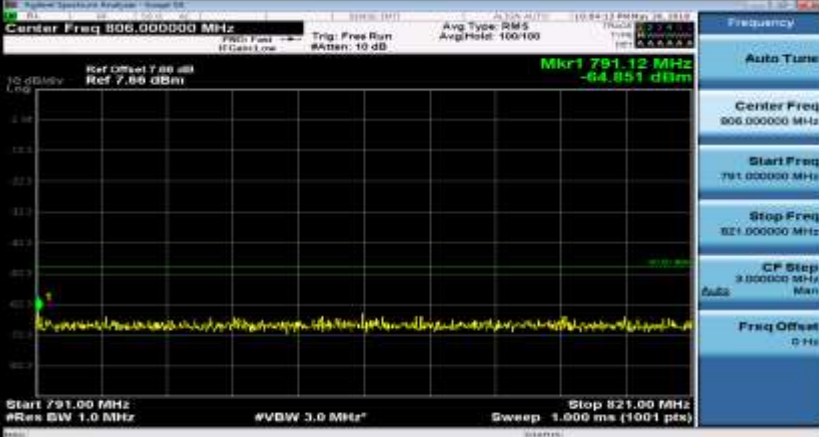
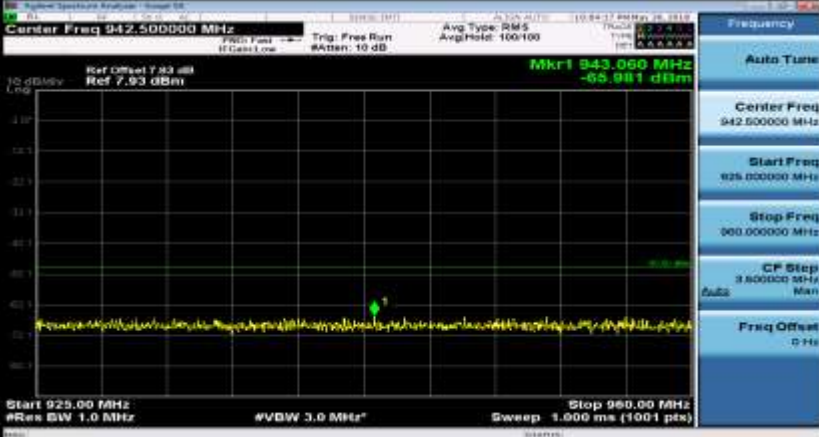
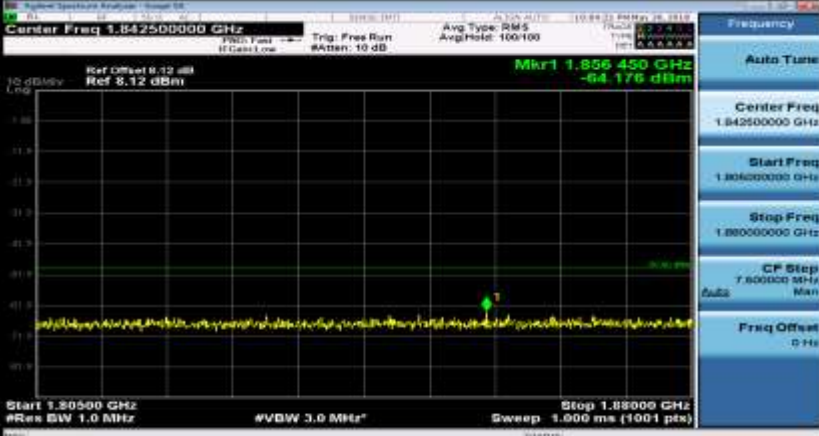
General		
General		
General		

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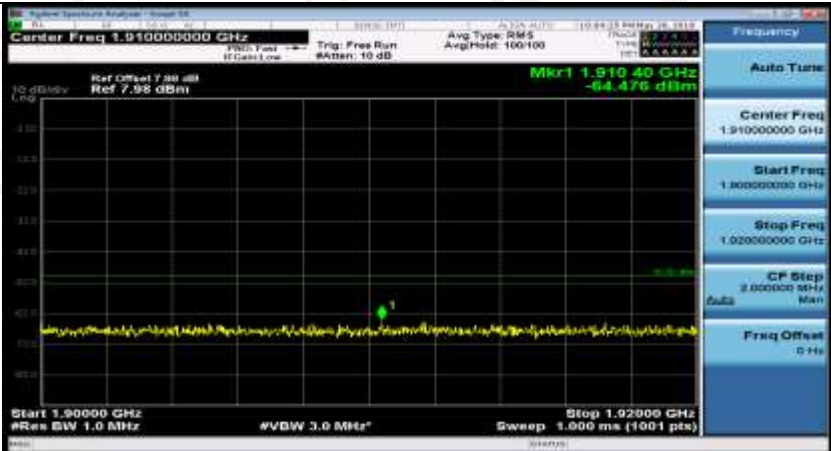
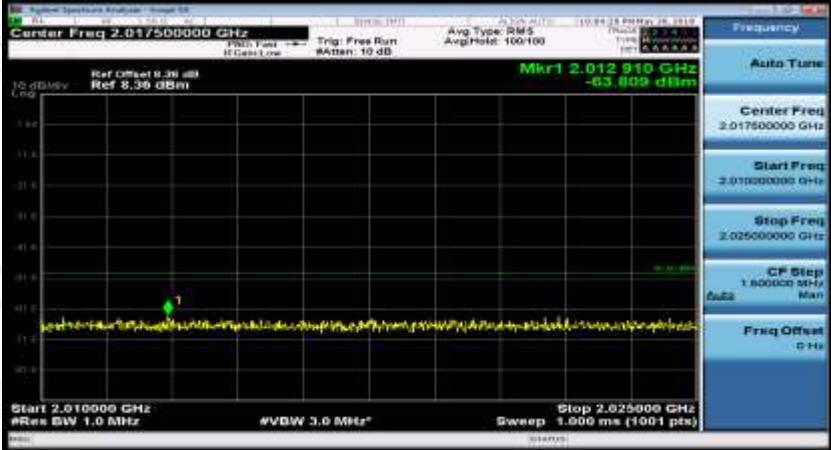
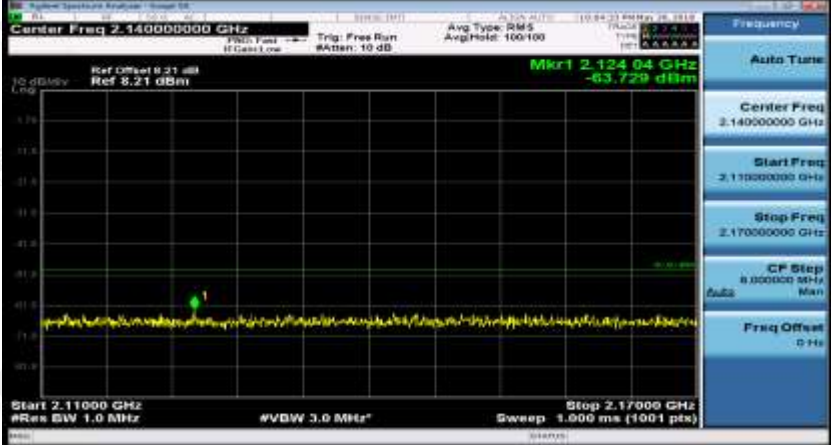
General	
General	
General	

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Co-existence			
Co-existence			
Co-existence			

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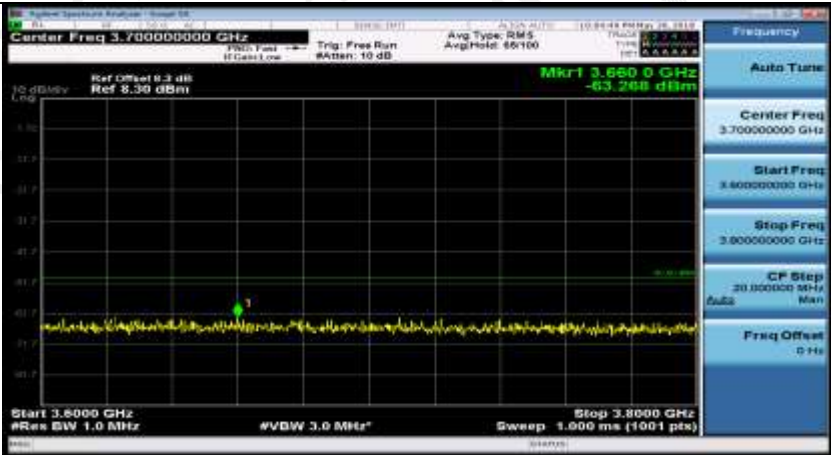
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

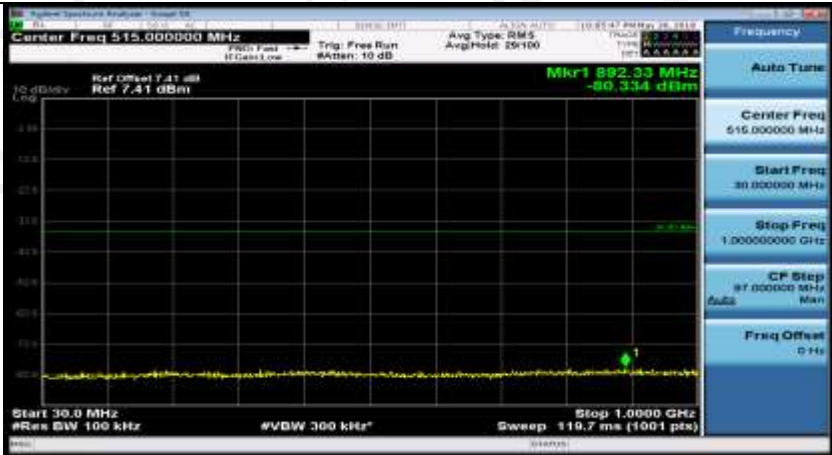
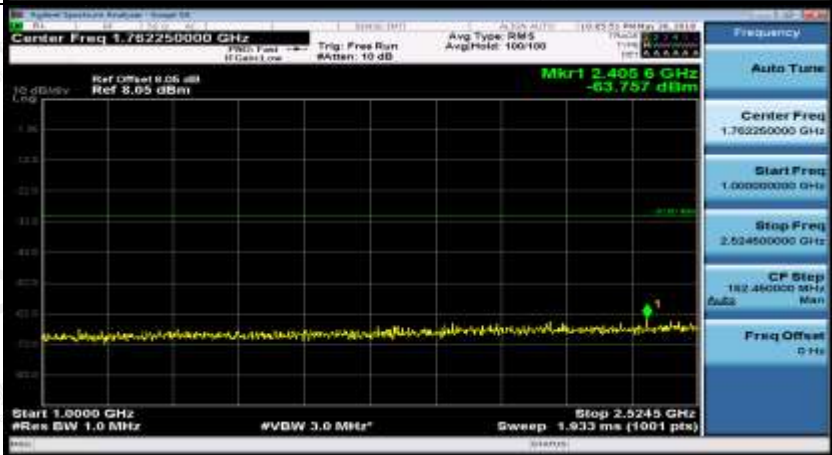

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Co-existence	
Additional	NA

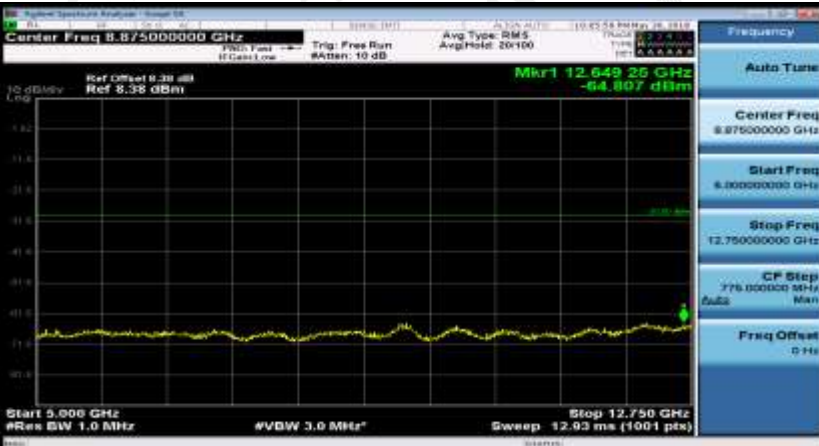

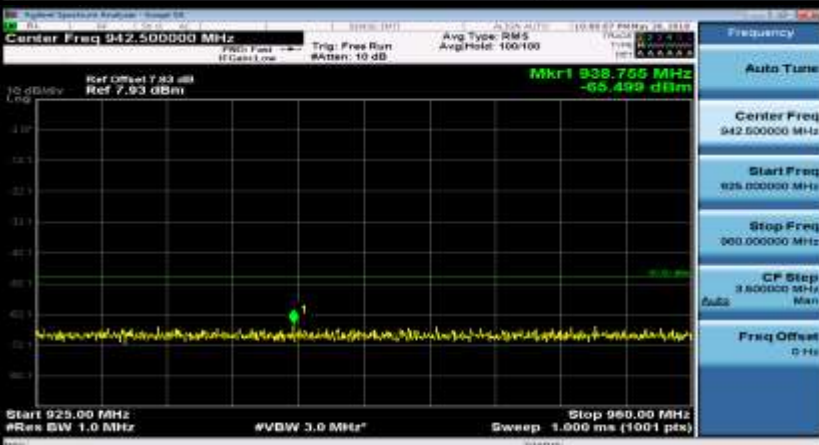
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	
General	

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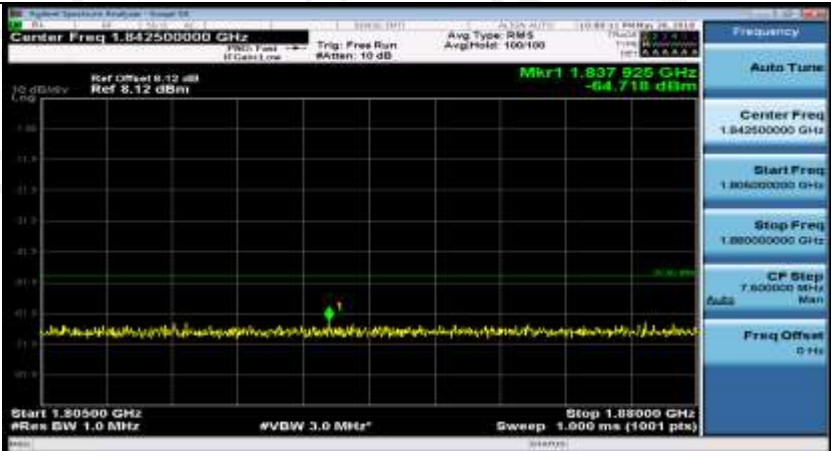
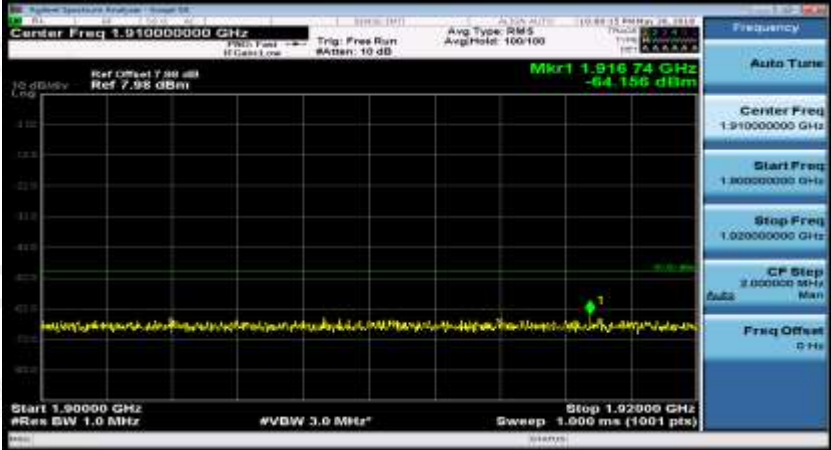
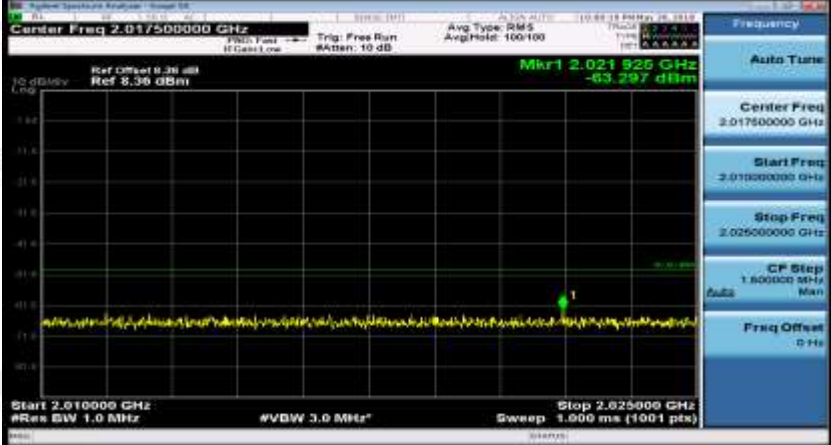
General			
General			
General			

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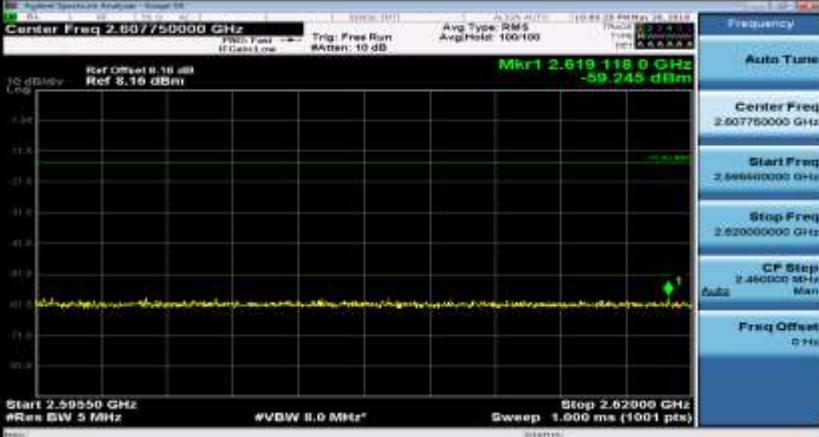
General			
Co-existence			
Co-existence			

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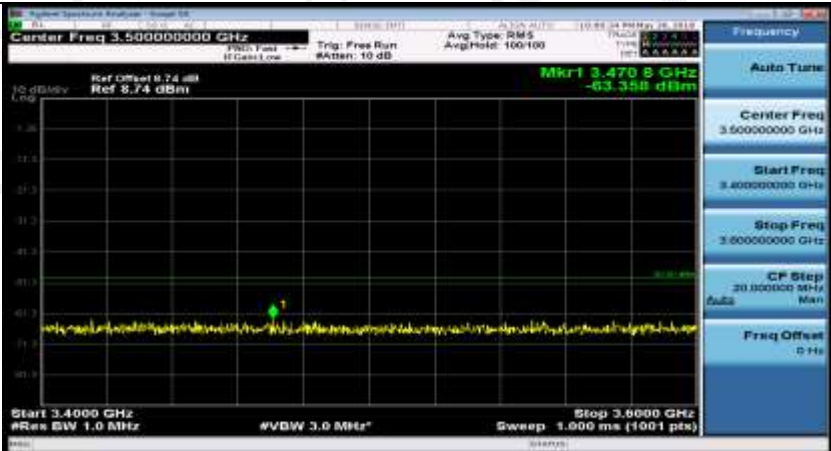
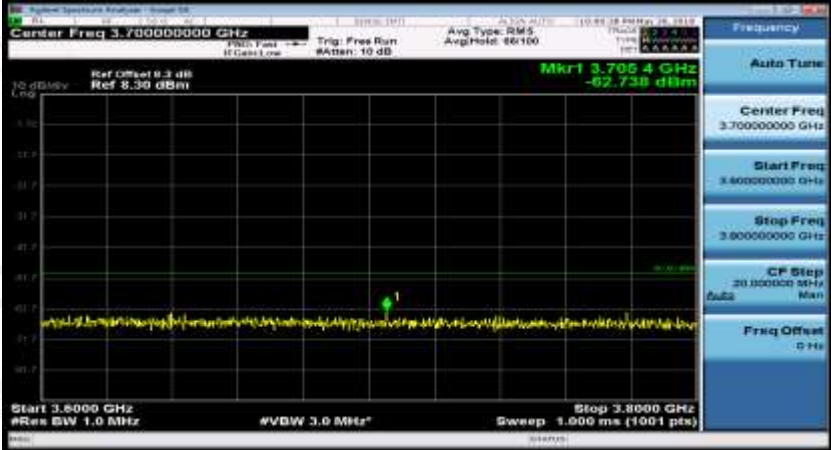
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Additional	NA

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


General	
---------	--

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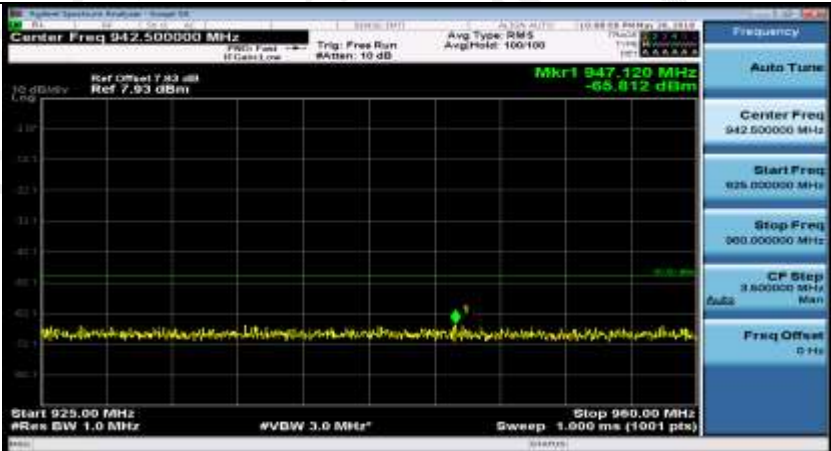
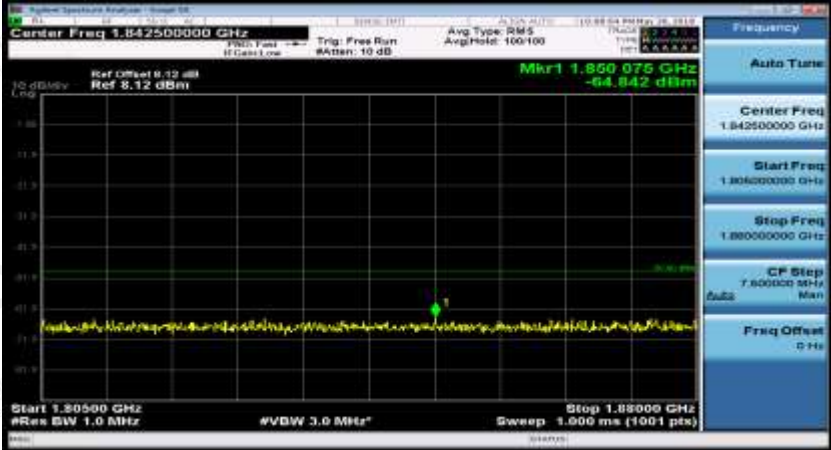
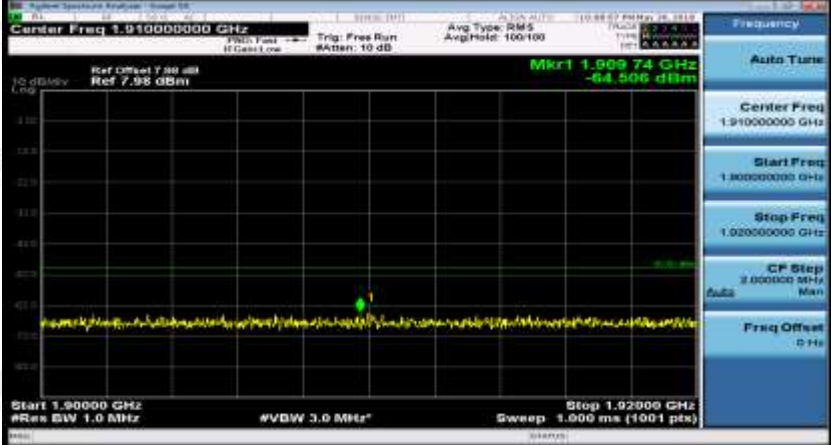
General			
General			
General			

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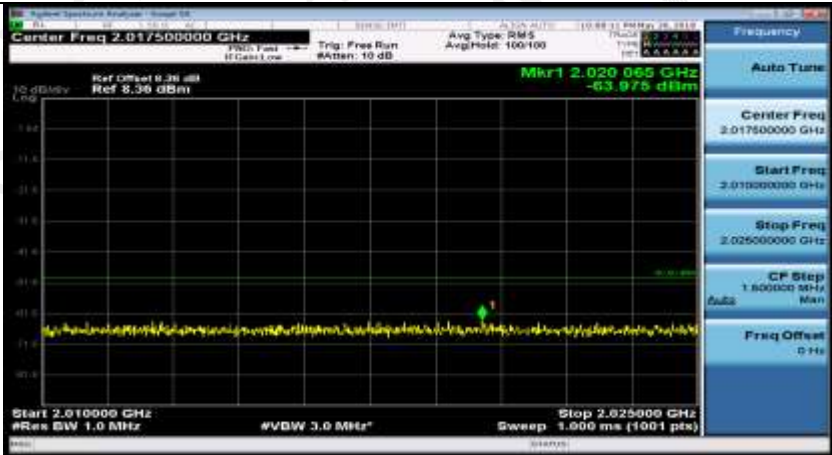
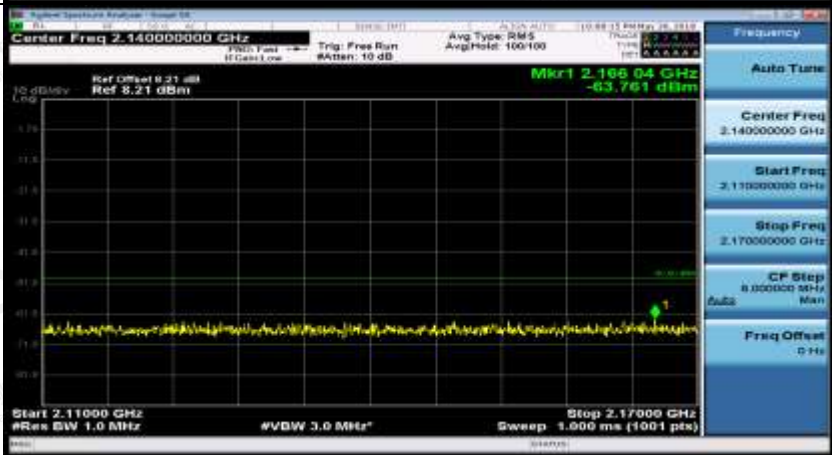

General			
General			
Co-existence			

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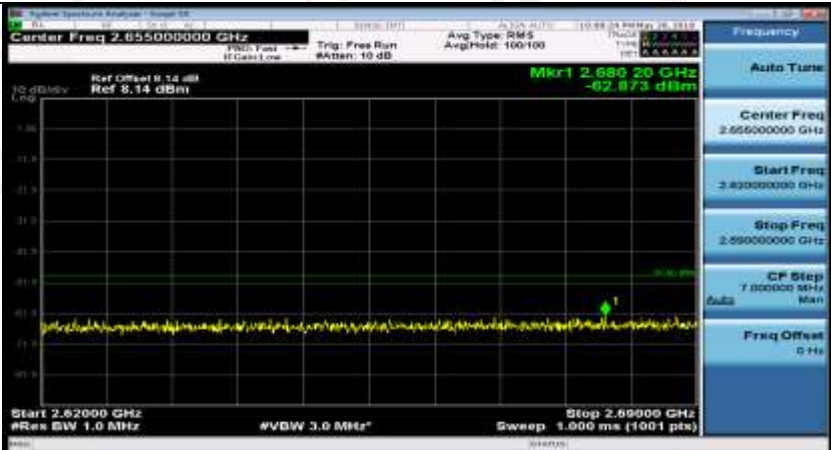
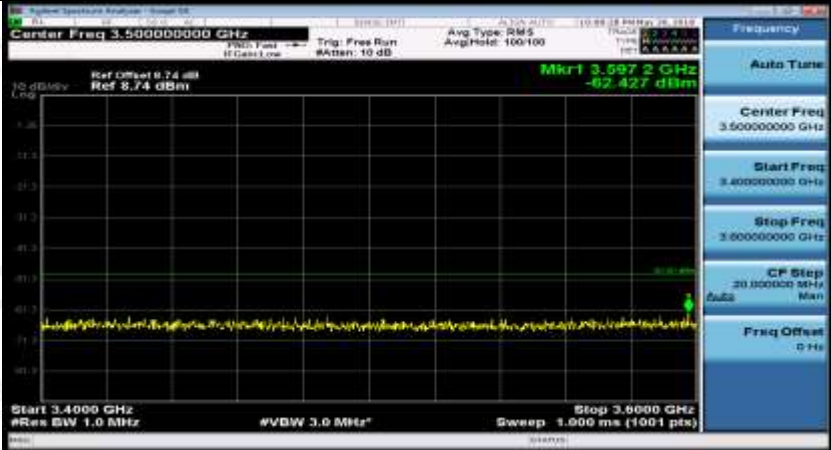

Co-existence	
Co-existence	
Co-existence	

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Co-existence		 <p>Center Freq 2.01750000 GHz Ref Offset 0.36 dBm Ref 8.36 dBm Mkr1 2.020065 GHz -63.975 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>Center Freq 2.14000000 GHz Ref Offset 0.31 dBm Ref 8.21 dBm Mkr1 2.14604 GHz -63.761 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>Center Freq 2.60750000 GHz Ref Offset 0.16 dBm Ref 8.16 dBm Mkr1 2.602005 GHz -59.707 dBm Start 2.59550 GHz #Res BW 3 MHz #VBW 3.0 MHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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## 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

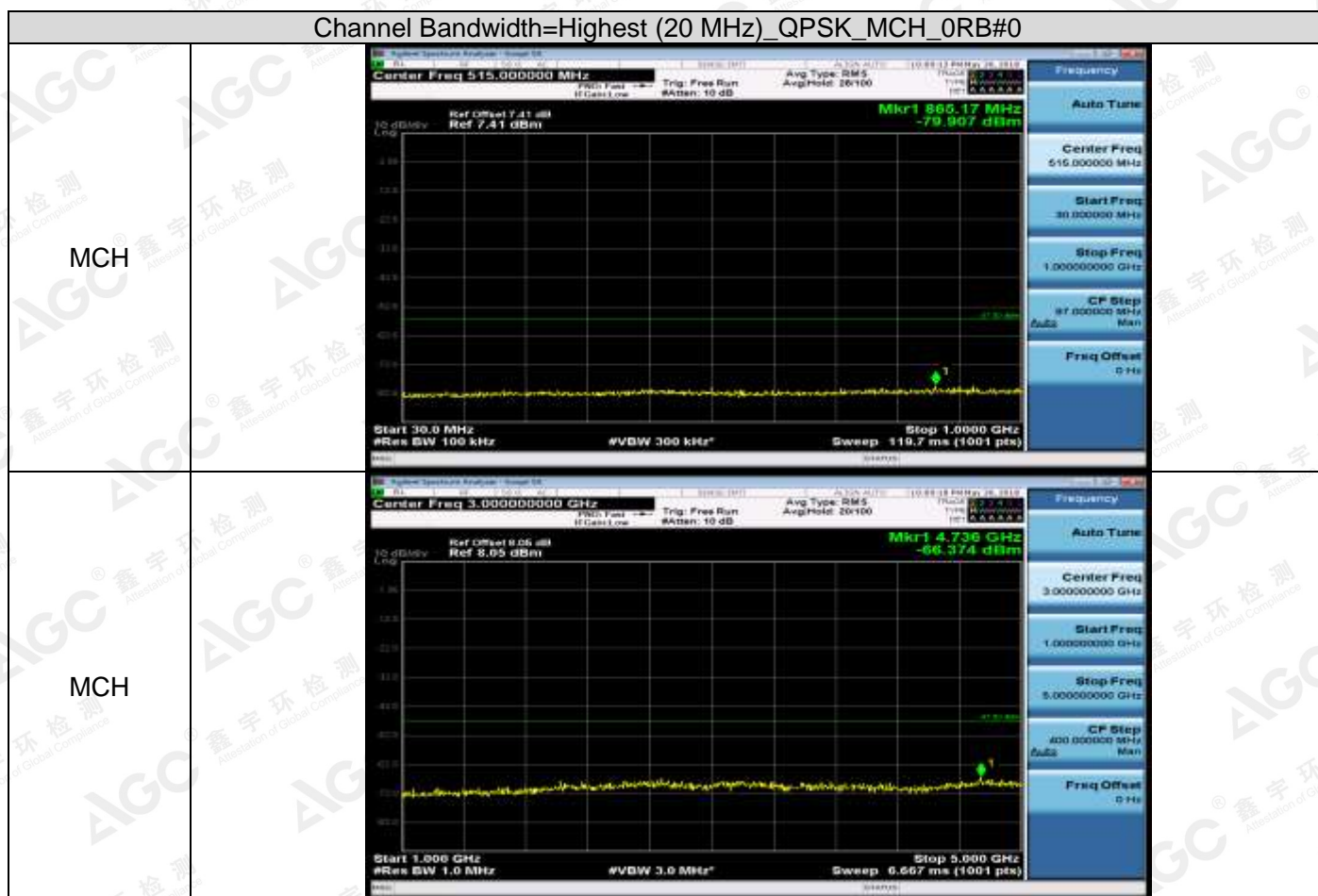
### Test Graphs

NTNV

Channel Bandwidth=Highest

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

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



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## 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				

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## 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				

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**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				

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## 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				

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## 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					

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## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

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					

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## 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	-75.23	-75.56	-75.67
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-69.43	-69.31	-69.56
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-74.42	-74.89	-74.56

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## Appendix D for Band 8

### 1. Transmitter Maximum Output Power

#### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

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		
HTHV	QPSK	1.4 MHz	Low range	1	0	22.87	Pass
					max	22.92	Pass
				Partial	0	23.05	Pass
					max	23.03	Pass
			Mid range	1	0	22.68	Pass
					max	22.73	Pass
				Partial	0	22.83	Pass
					max	22.80	Pass
			High range	1	0	23.00	Pass
					max	23.08	Pass
				Partial	0	23.20	Pass
					max	23.19	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
HTHV	QPSK	5MHz	Low range	1	0	22.95	Pass
					max	22.96	Pass
				Partial	0	23.03	Pass
					max	23.08	Pass
			Mid range	1	0	22.80	Pass
					max	22.75	Pass
				Partial	0	22.87	Pass
					max	22.81	Pass
			High range	1	0	22.97	Pass
					max	23.10	Pass
				Partial	0	23.08	Pass
					max	23.11	Pass

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**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		
HTHV	QPSK	10 MHz	Low range	1	0	23.01	Pass
					max	22.91	Pass
				Partial	0	23.04	Pass
					max	22.90	Pass
			Mid range	1	0	22.87	Pass
					max	22.86	Pass
				Partial	0	22.91	Pass
					max	22.84	Pass
			High range	1	0	23.05	Pass
					max	23.17	Pass
				Partial	0	23.03	Pass
					max	23.05	Pass

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## 2. Transmitter Minimum Output Power

### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTLV

#### 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		
LTLV	QPSK	1.4 MHz	Low range	Full	0	-49.11	Pass
			Mid range	Full	0	-50.87	Pass
			High range	Full	0	-50.64	Pass

#### Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
LTLV	QPSK	5MHz	Low range	Full	0	-51.15	Pass
			Mid range	Full	0	-51.11	Pass
			High range	Full	0	-51.08	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		
LTLV	QPSK	10MHz	Low range	Full	0	-50.92	Pass
			Mid range	Full	0	-51.12	Pass
			High range	Full	0	-51.28	Pass

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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTN

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

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			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

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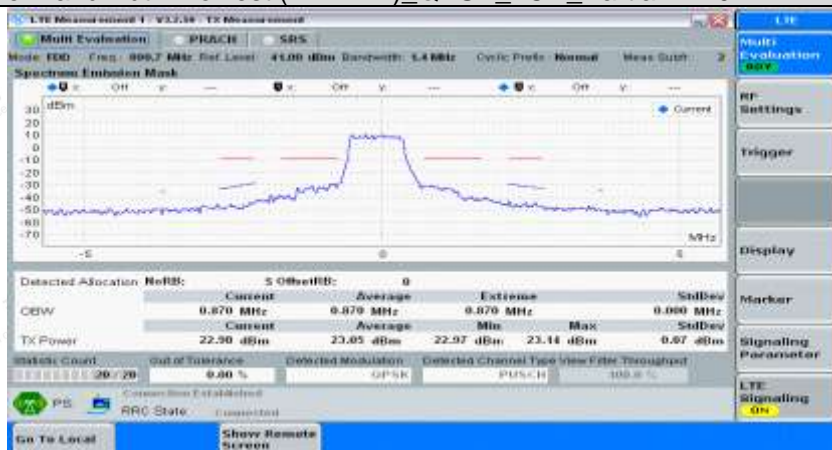
## Test Graphs

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

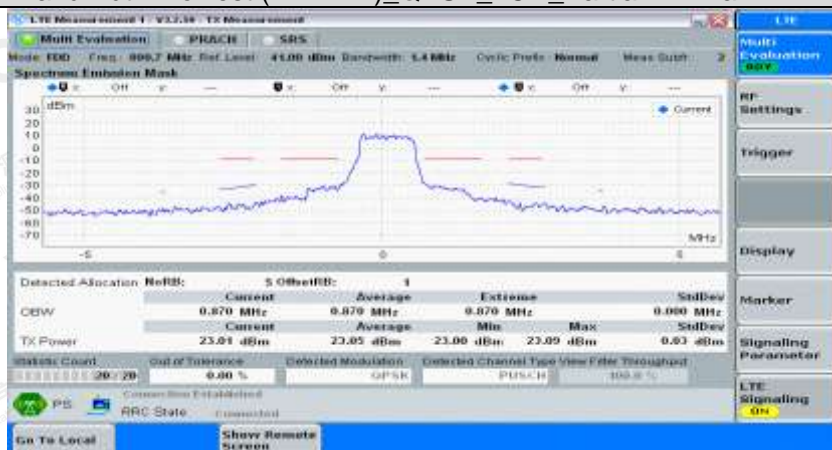
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QPSK



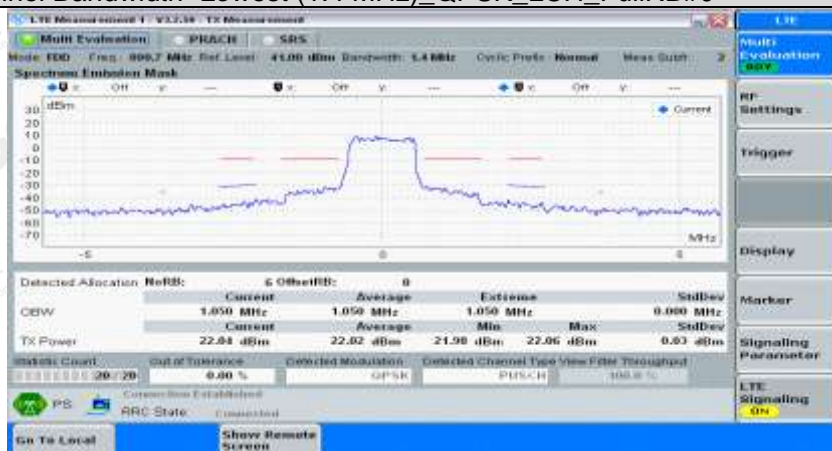
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QPSK



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

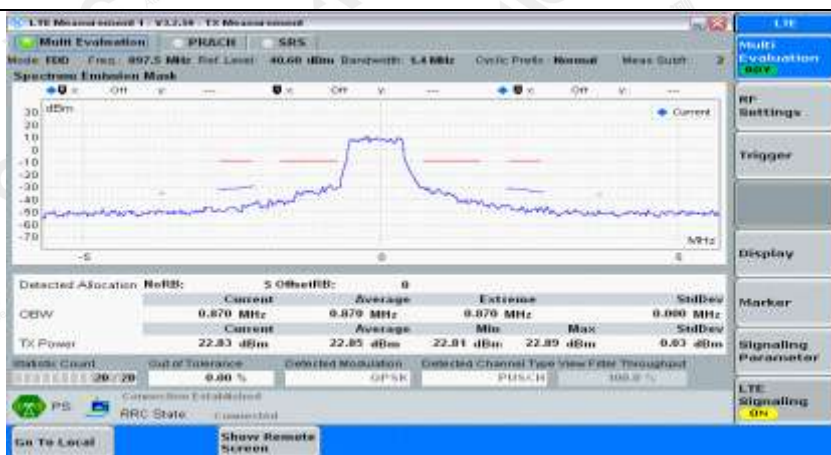
QPSK



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

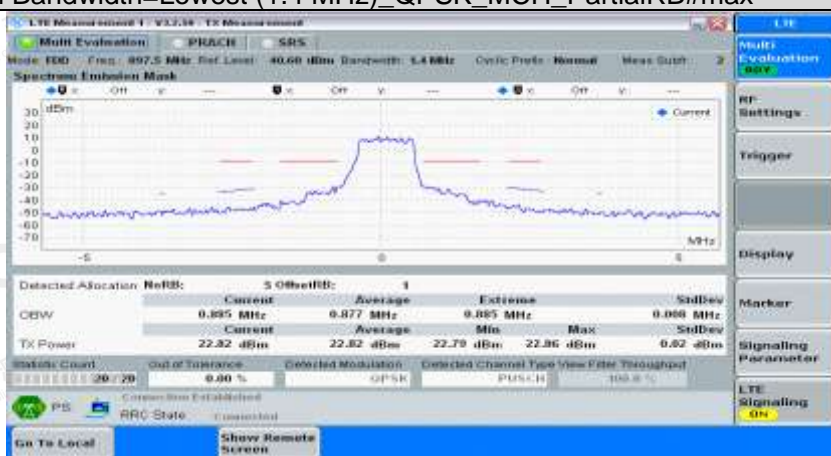
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QPSK



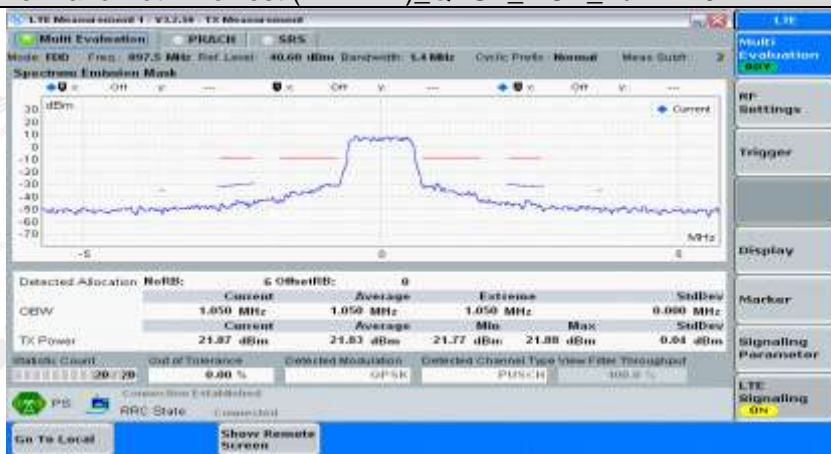
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



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

QPSK



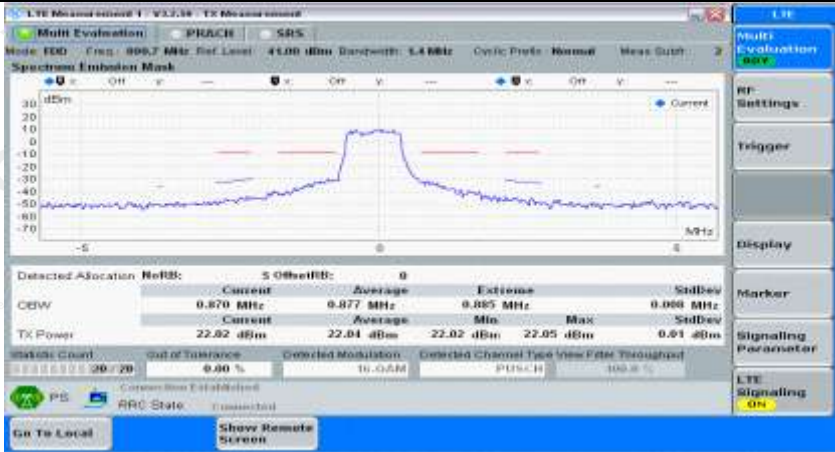
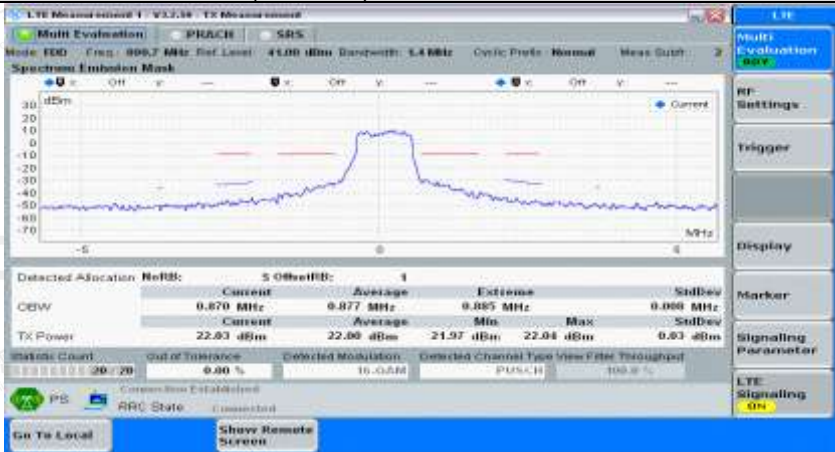
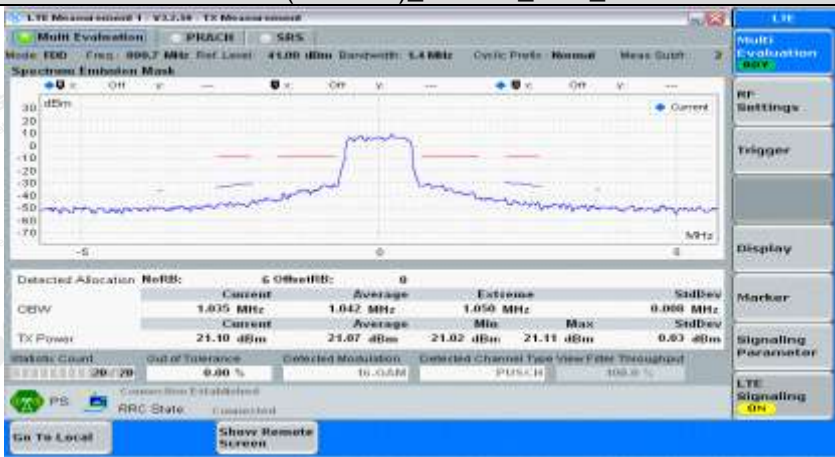
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_PartialRB#0

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QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max</p>
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>

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16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0	

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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	

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

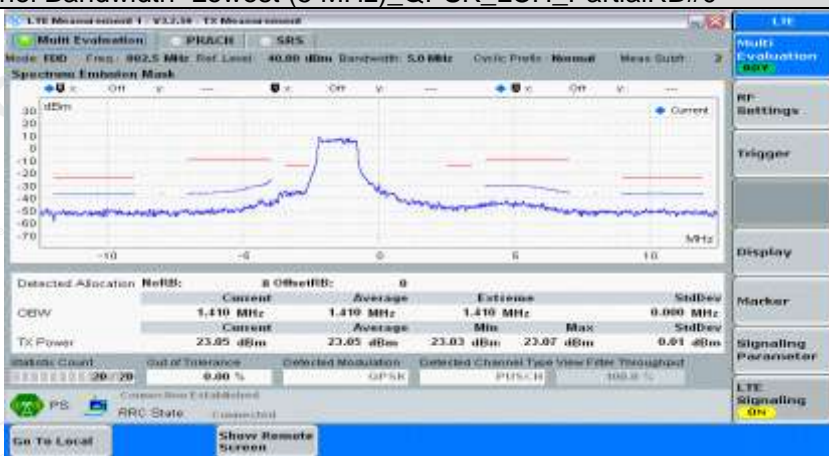
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



**Channel Bandwidth= (5 MHz)**

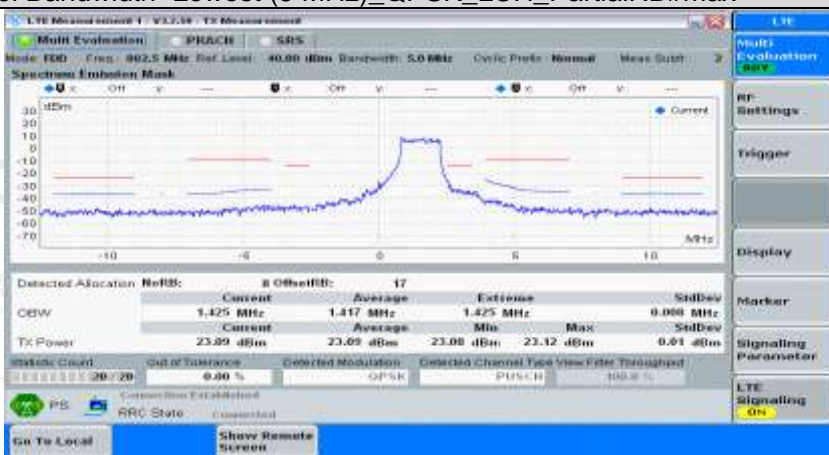
**Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



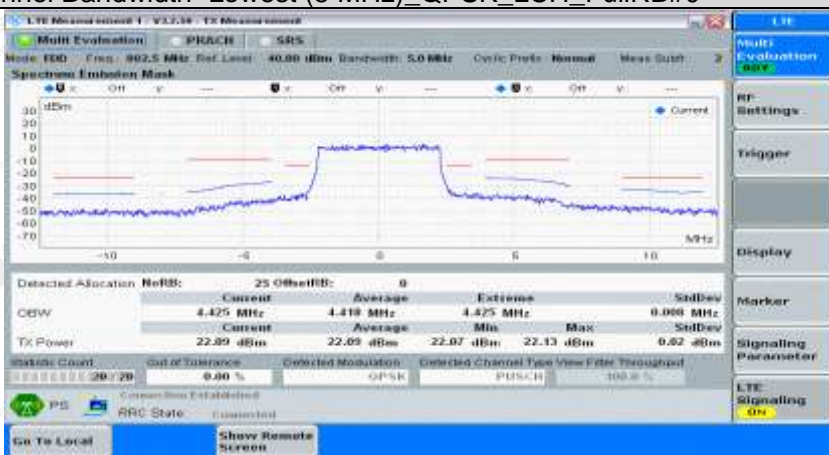
**Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK



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

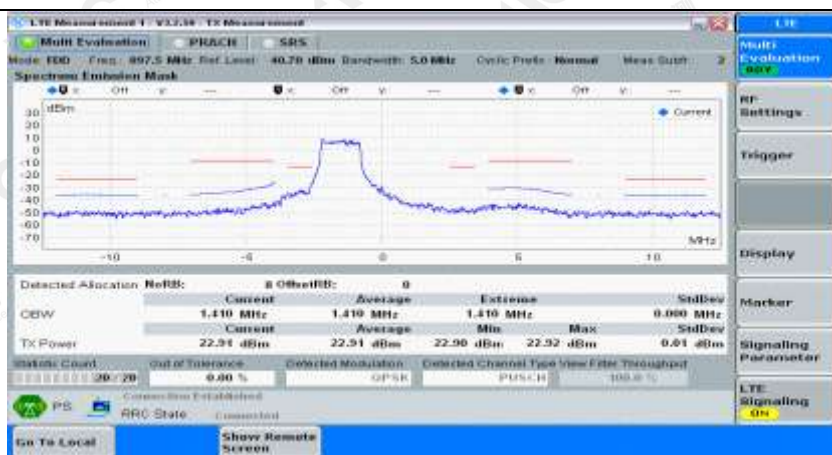
QPSK



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

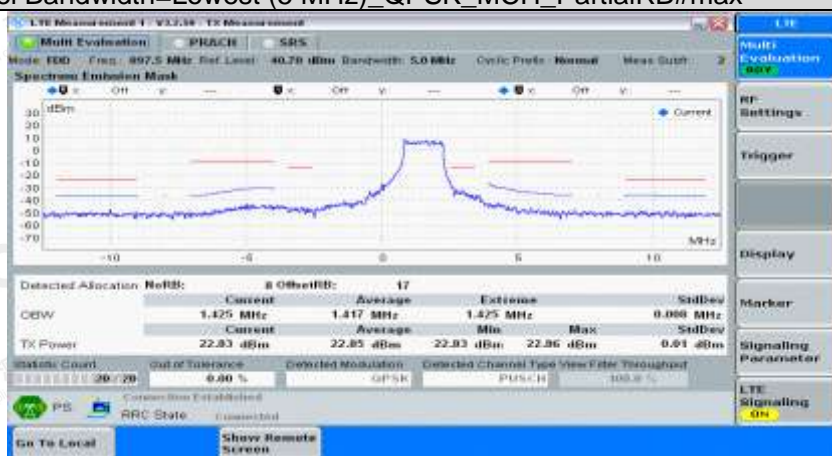
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

QPSK



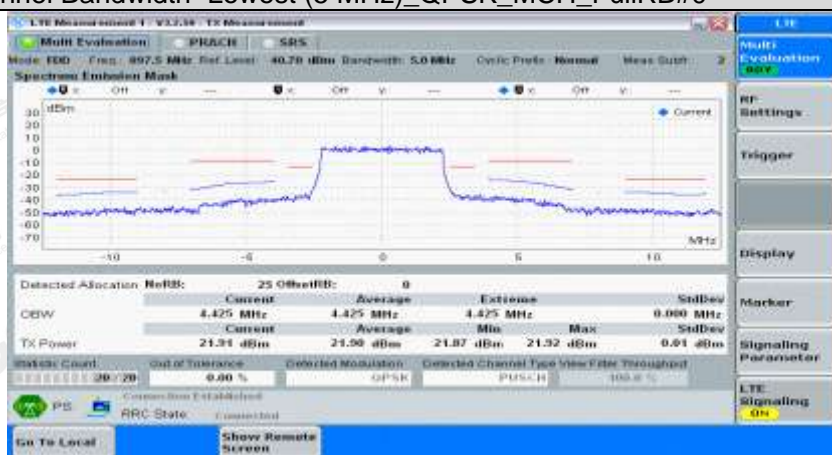
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



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

QPSK

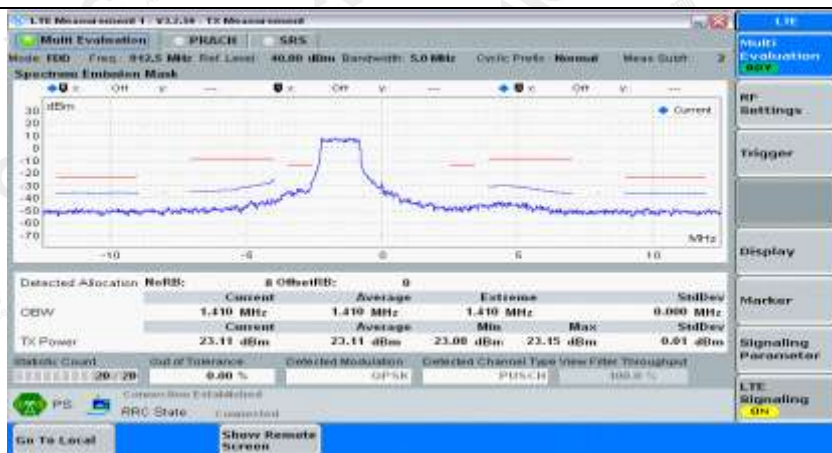


Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_PartialRB#0

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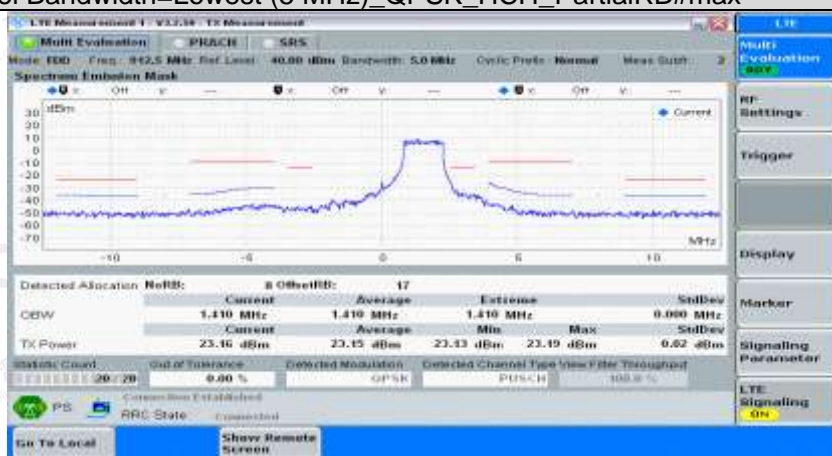


QPSK



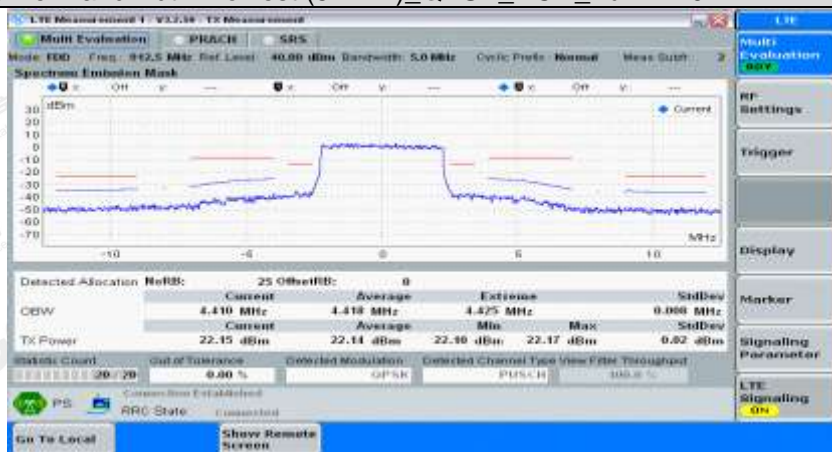
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_PartialRB#max

QPSK



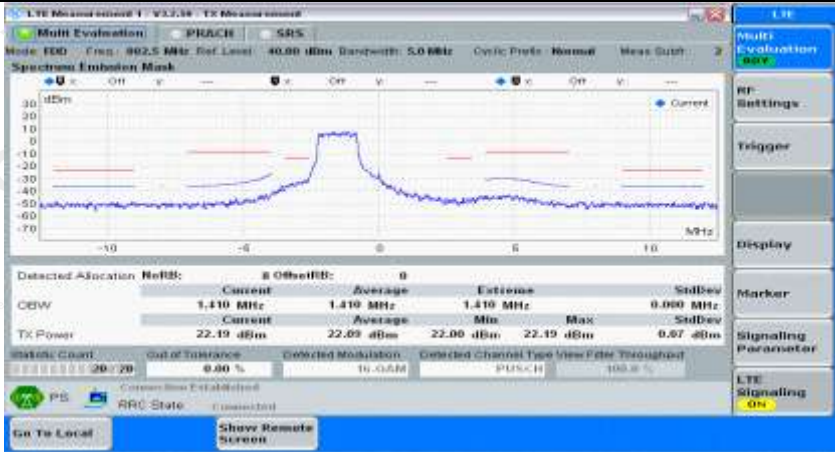
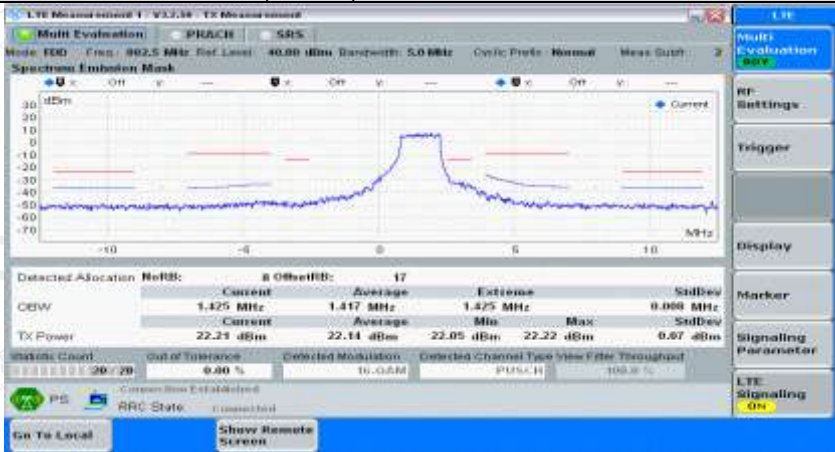
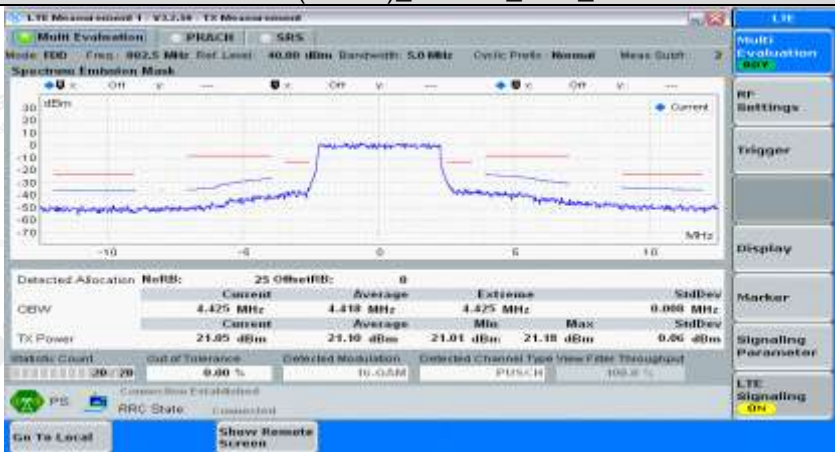
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_FullRB#0

QPSK




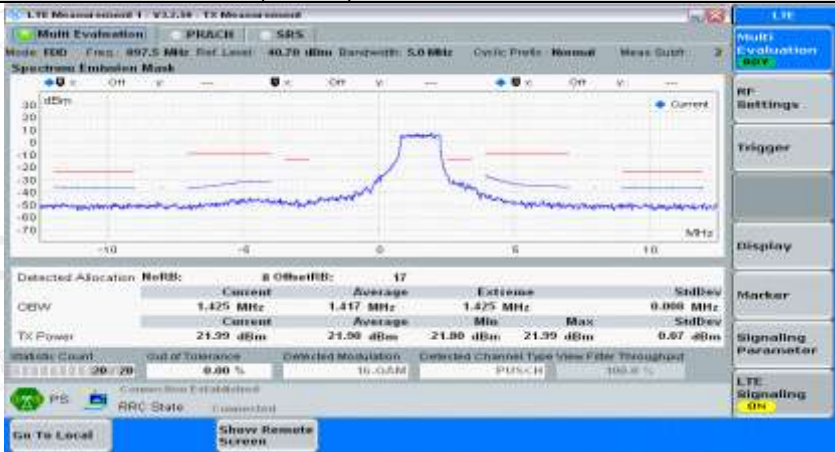
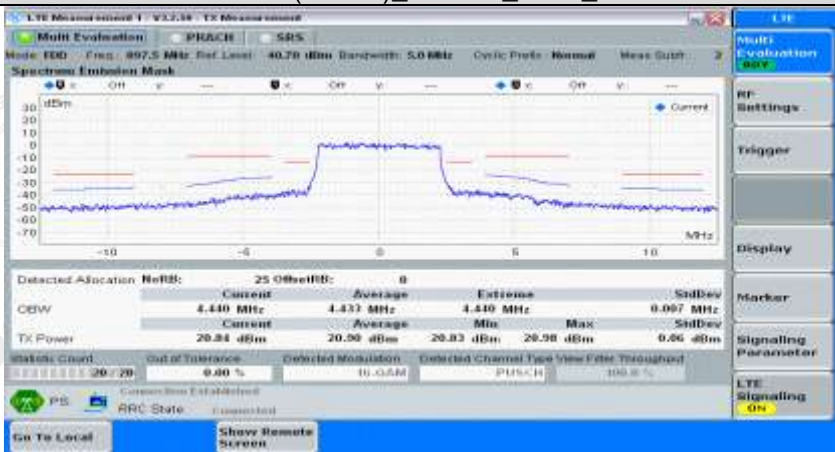
Channel Bandwidth=Lowest (5 MHz)\_16QAM\_LCH\_PartialRB#0

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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	

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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	

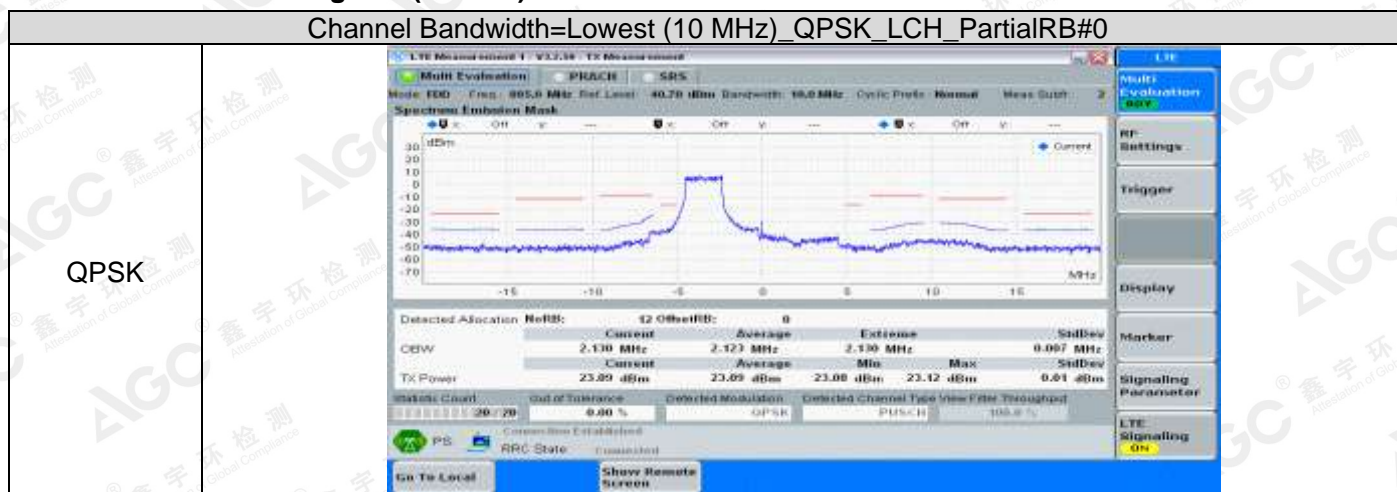
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

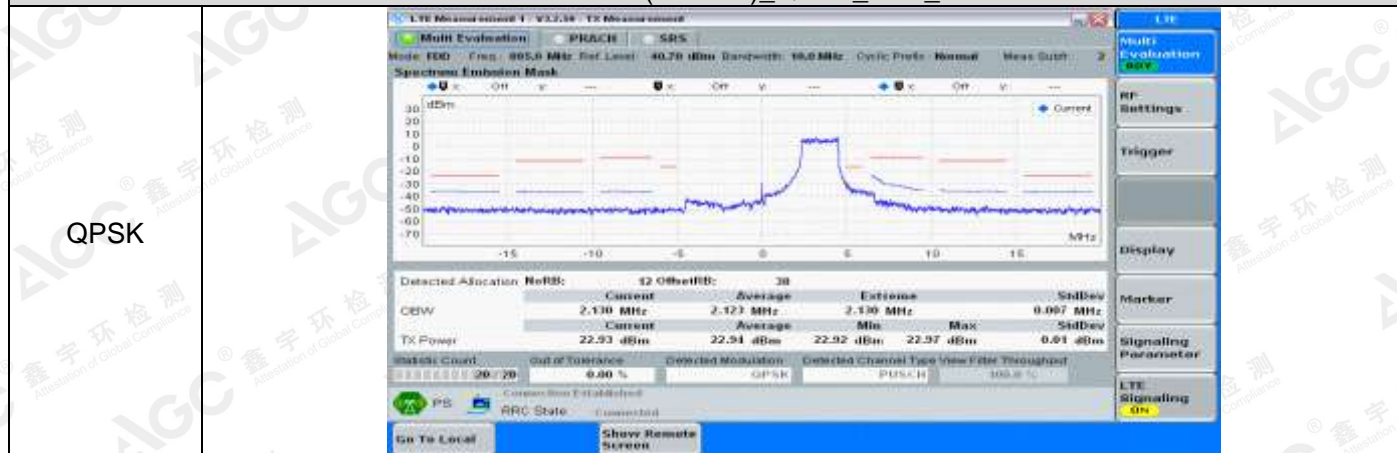
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



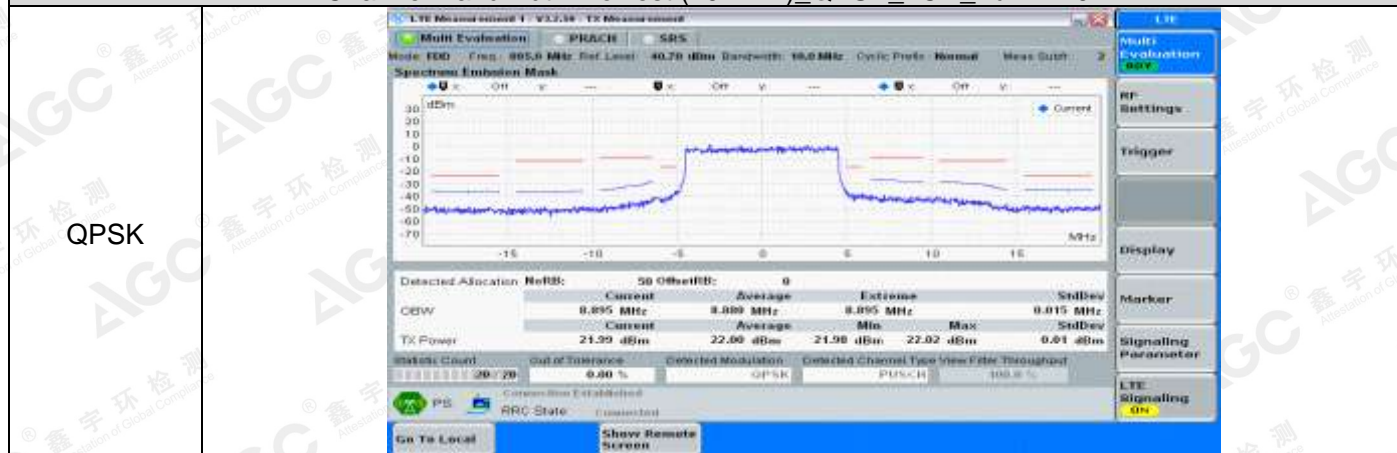
**Channel Bandwidth=Highest (10 MHz)**



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



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



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

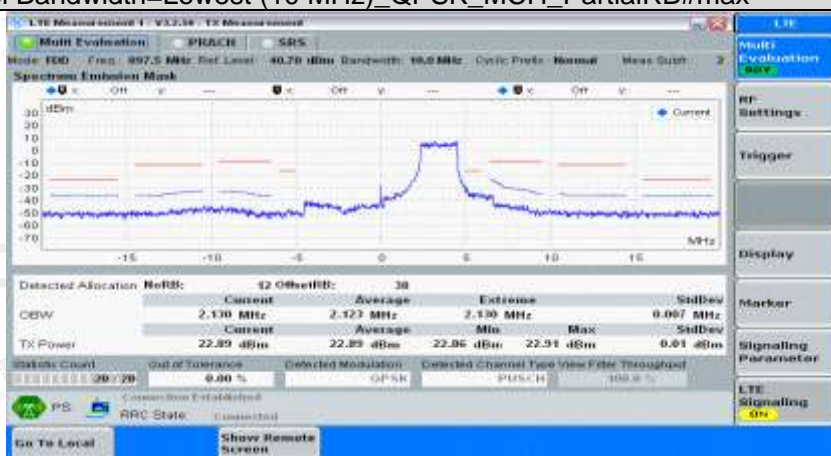
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QPSK



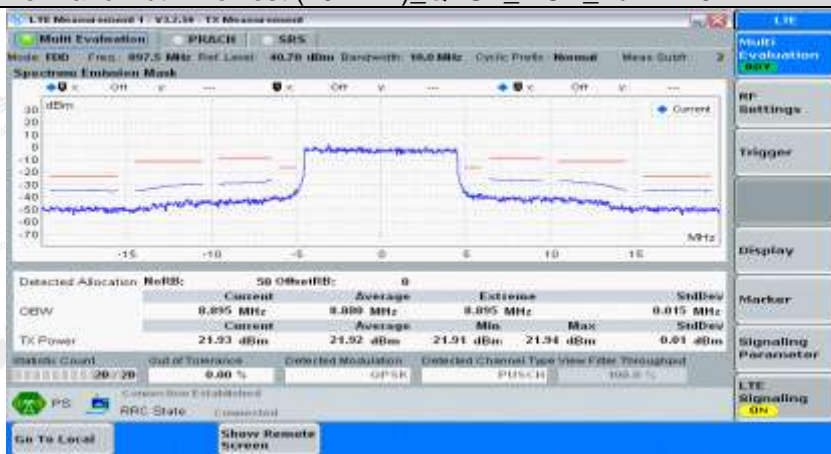
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



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


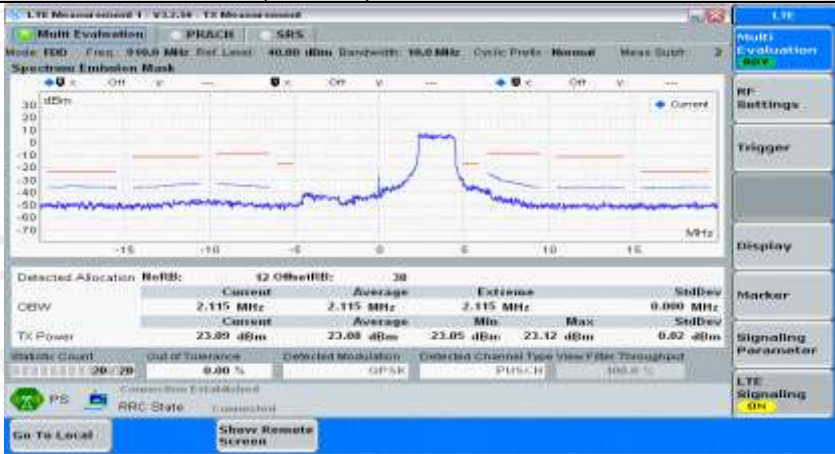
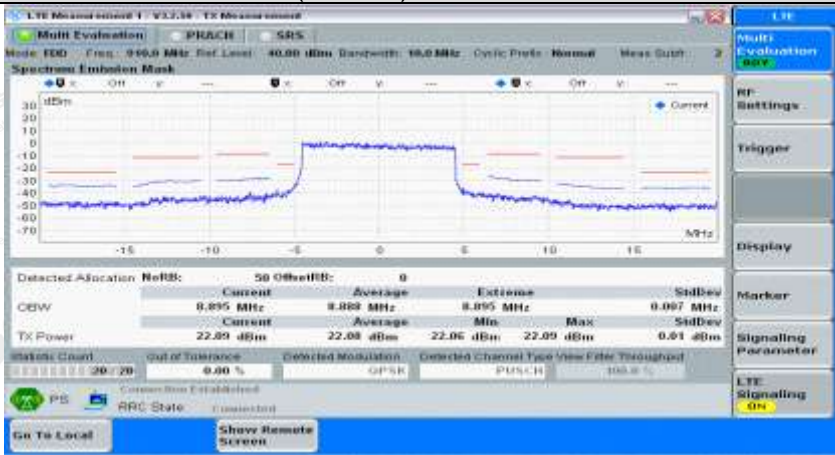
QPSK



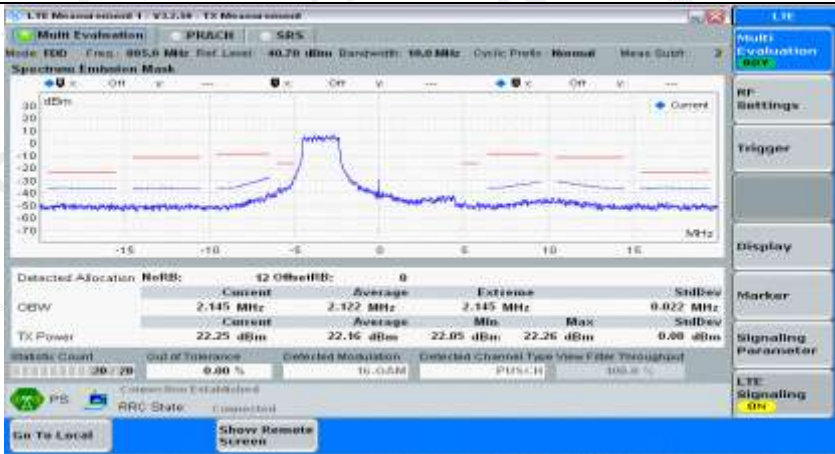
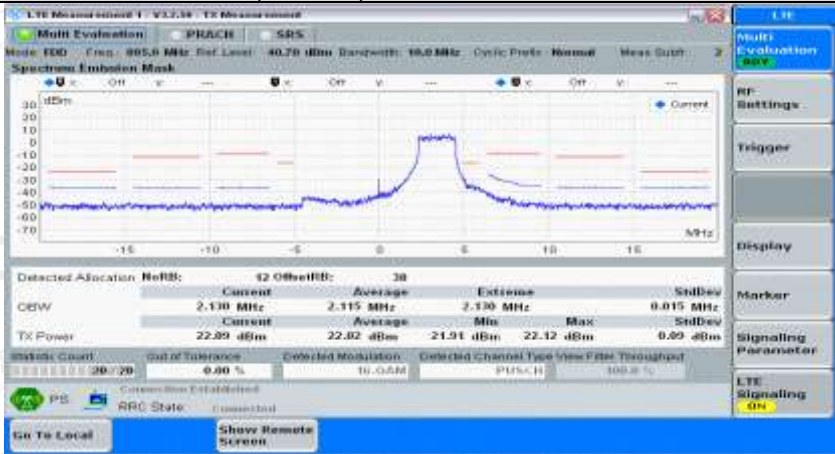
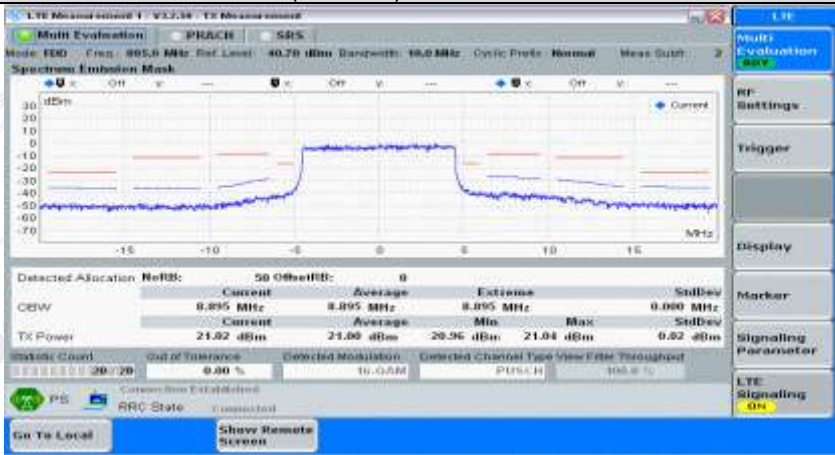
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_HCH\_PartialRB#0

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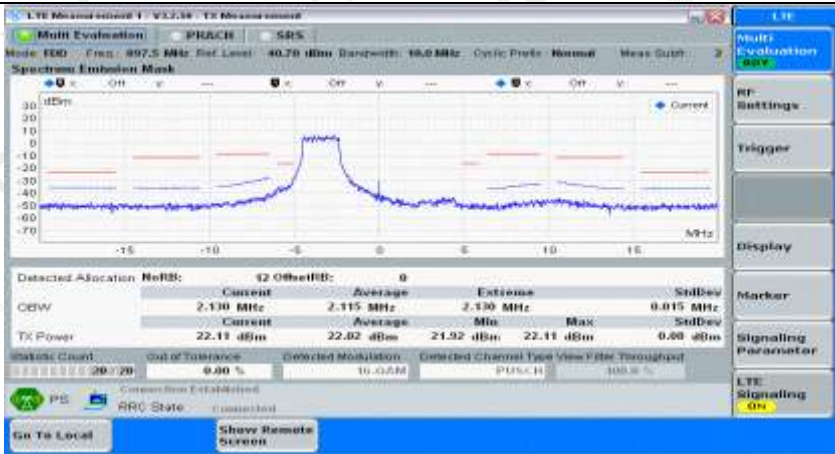
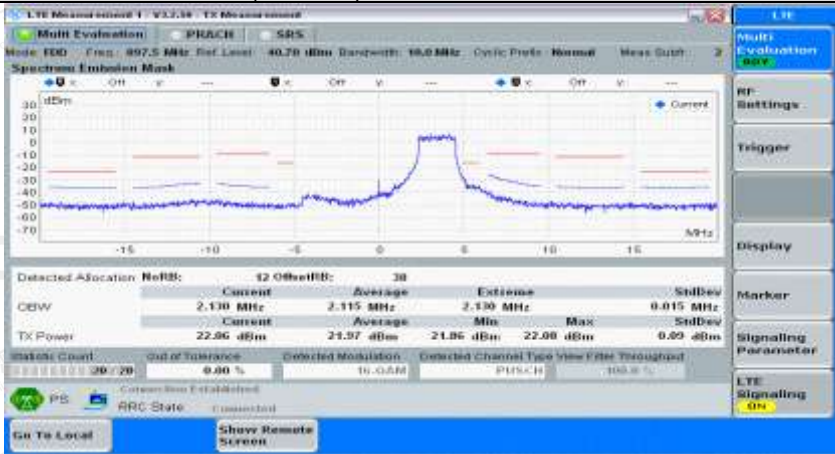
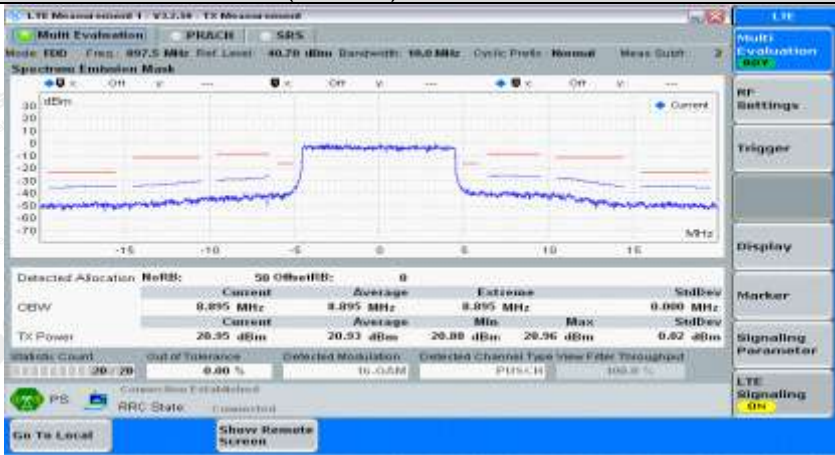
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

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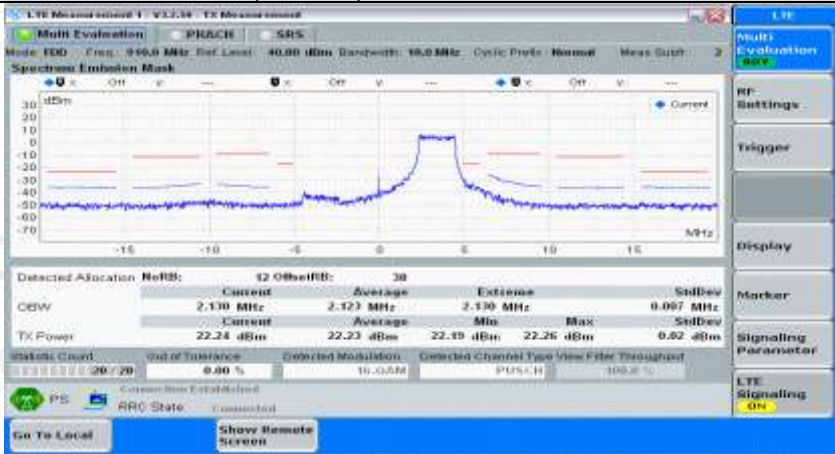
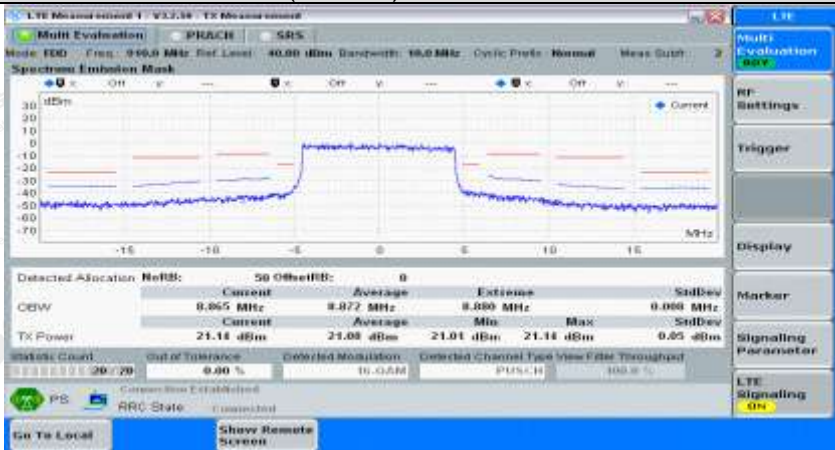
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

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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	

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

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

##### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTLV

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		
LTLV	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		
LTLV	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

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			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

**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		
LTLV	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

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## Test Graphs

LTLV

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



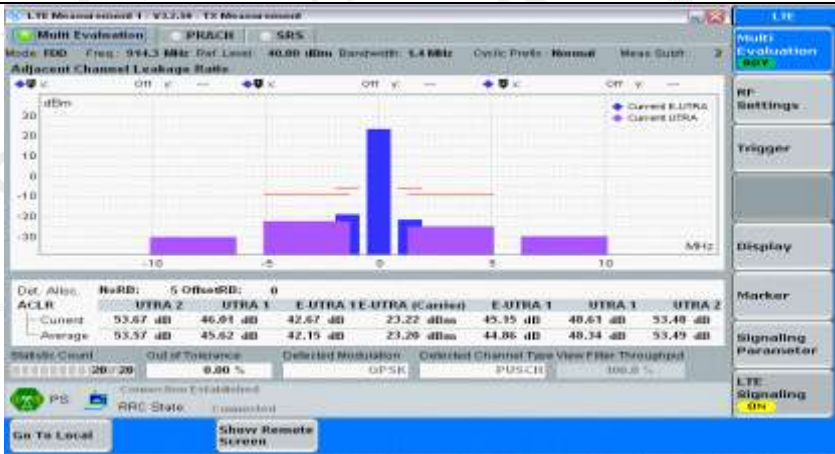
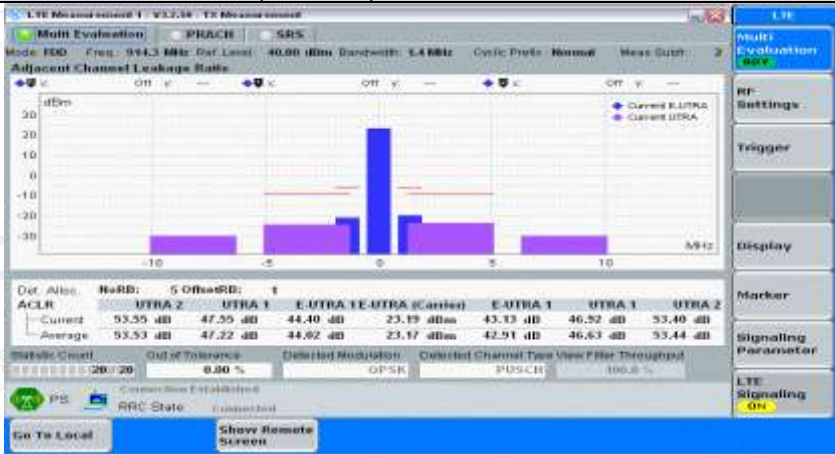
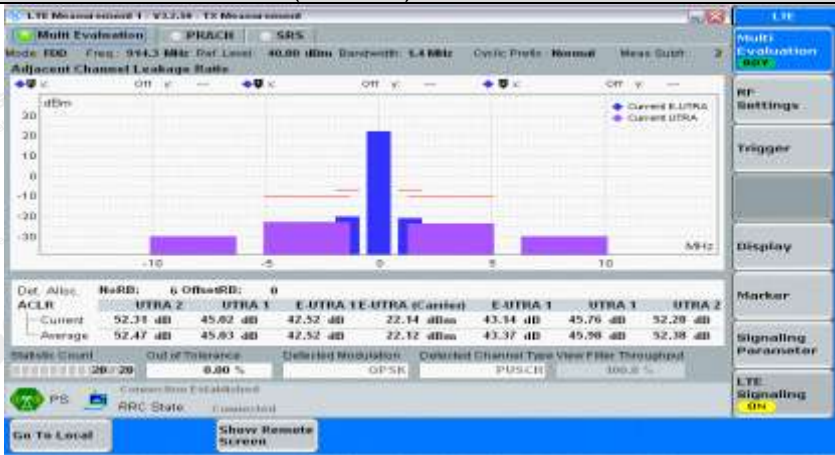
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_PartialRB#0

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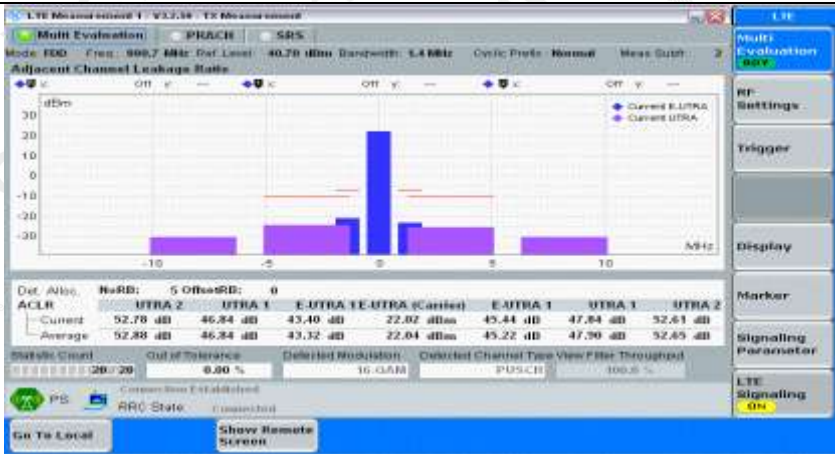
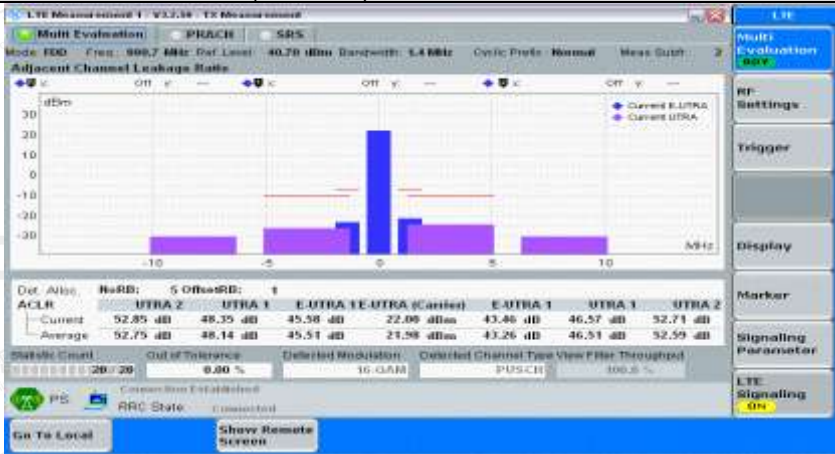
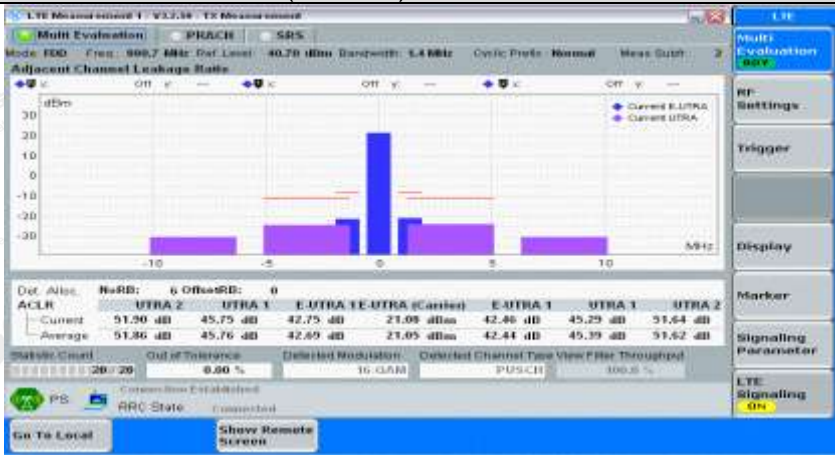
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0</p>

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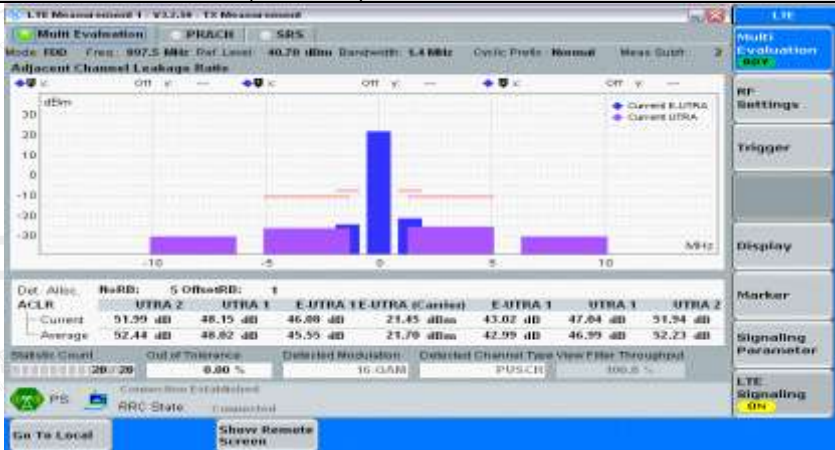

QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0</p>

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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>

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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>

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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	

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**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




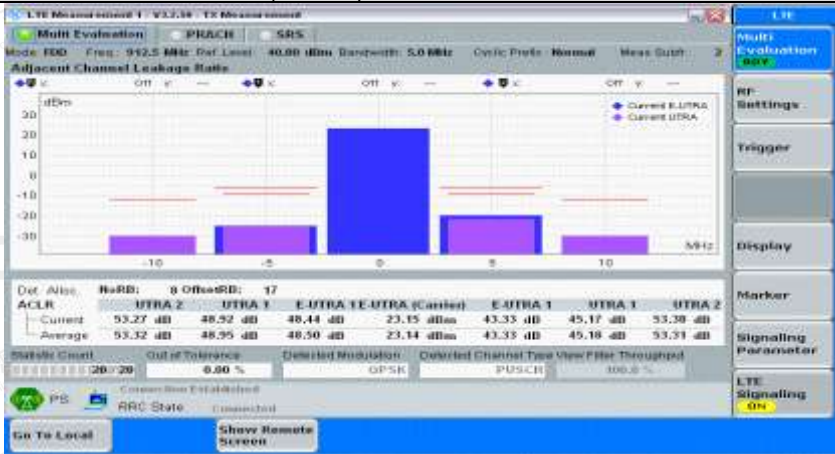
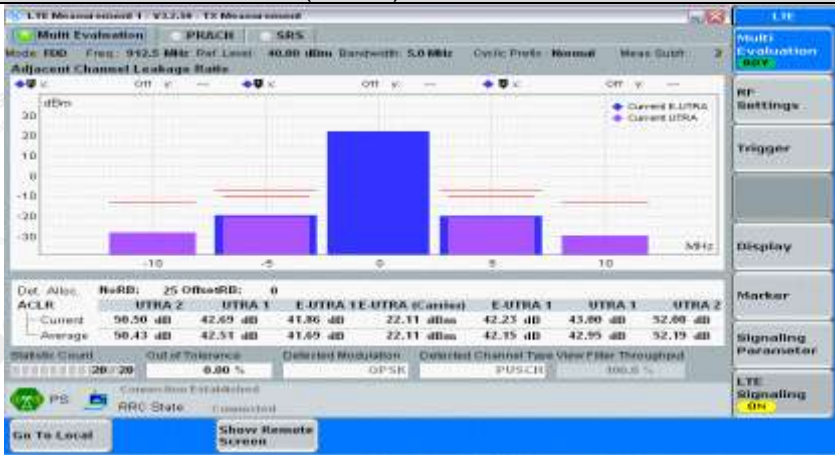
**Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_PartialRB#0**

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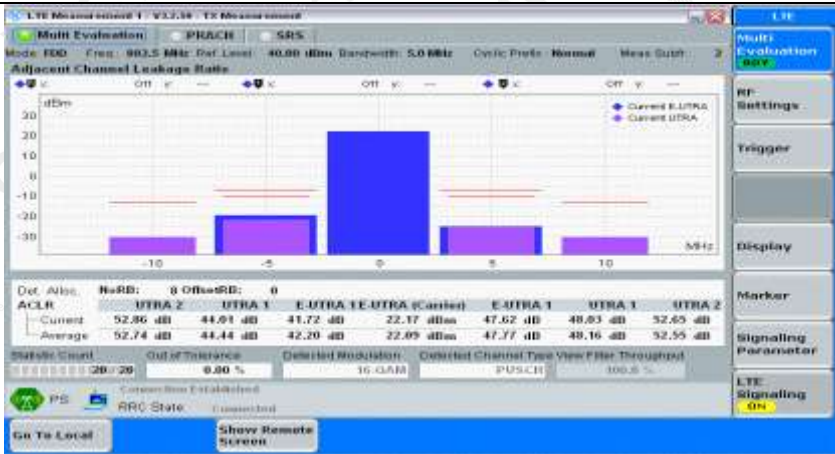
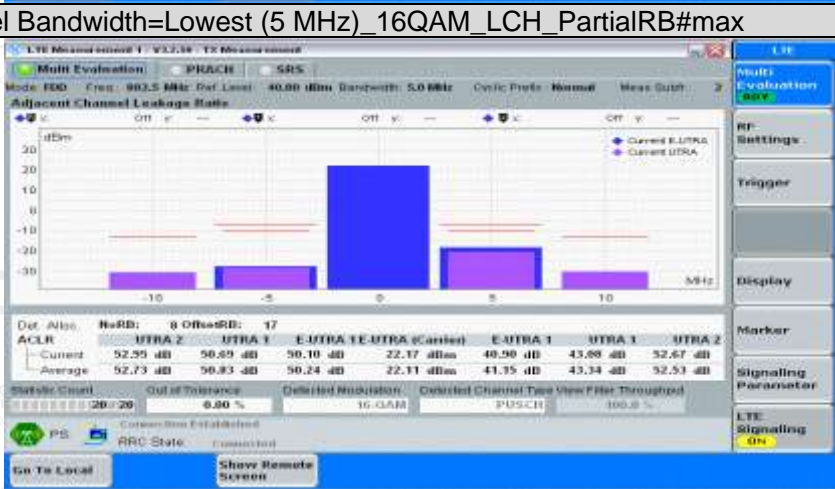
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0</p>

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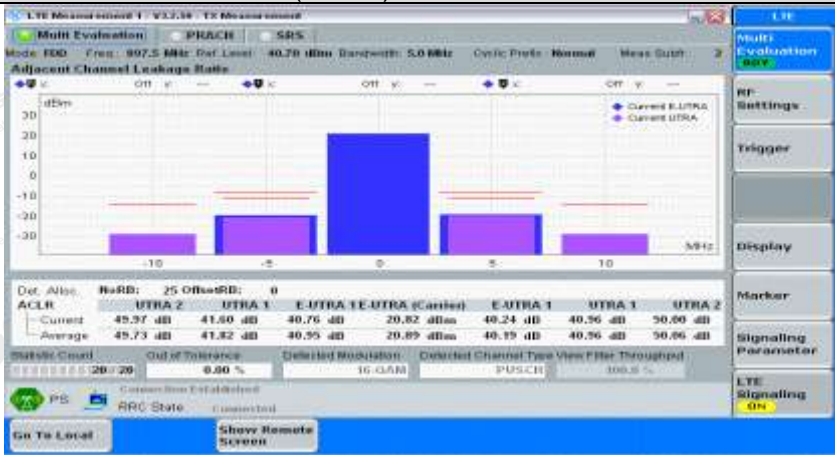
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>

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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>

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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>

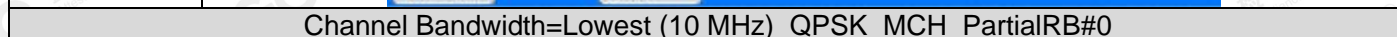
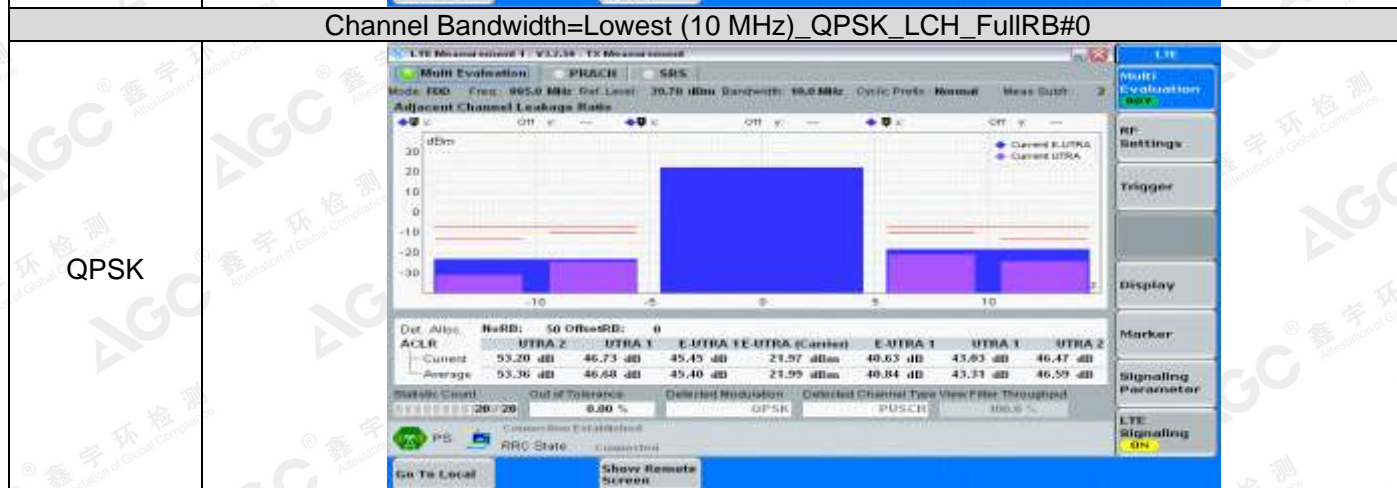
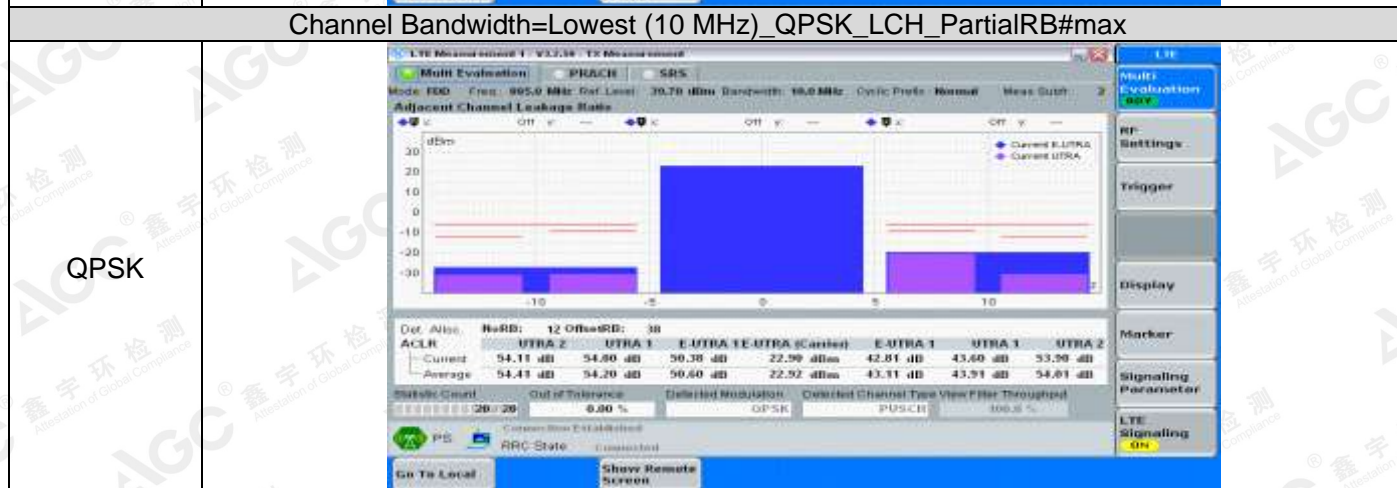
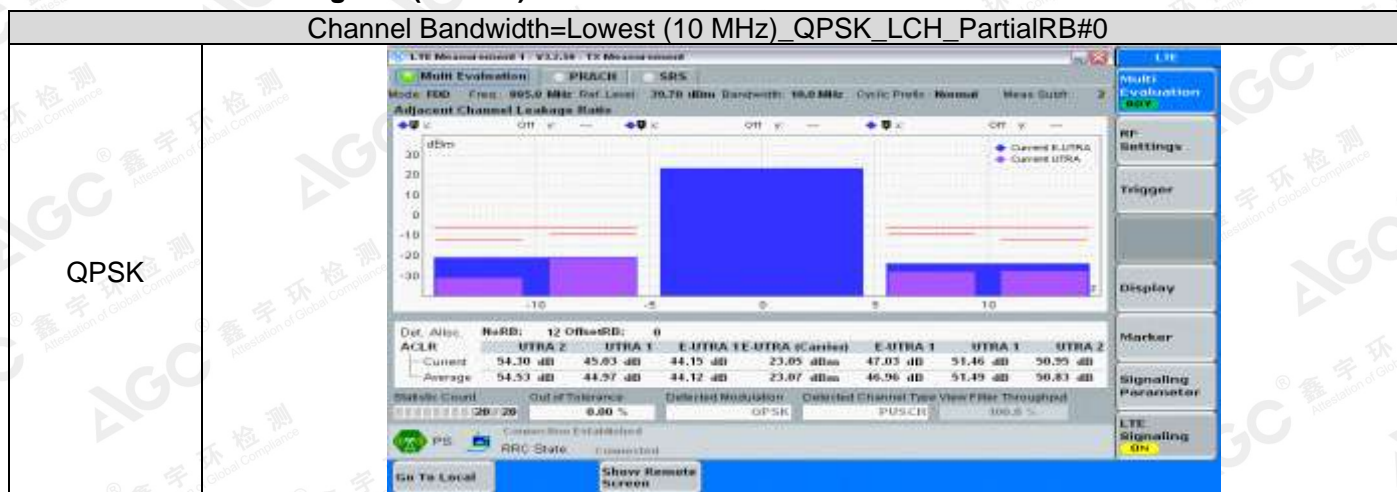
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

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	

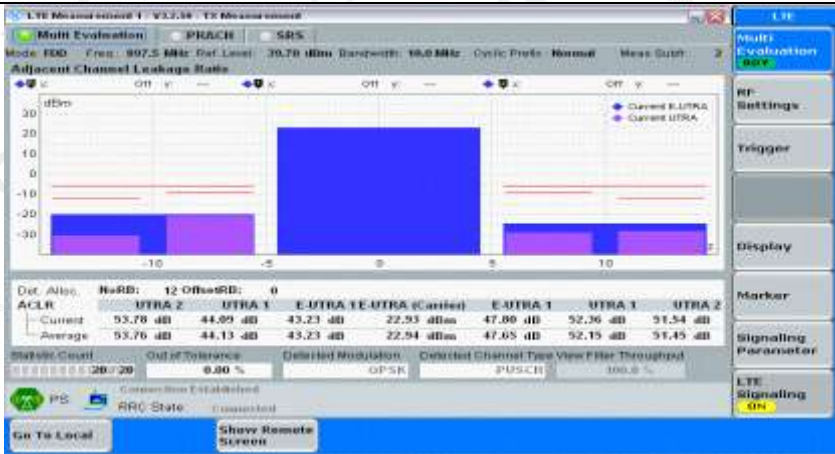


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**Channel Bandwidth=Highest (10 MHz)**






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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>

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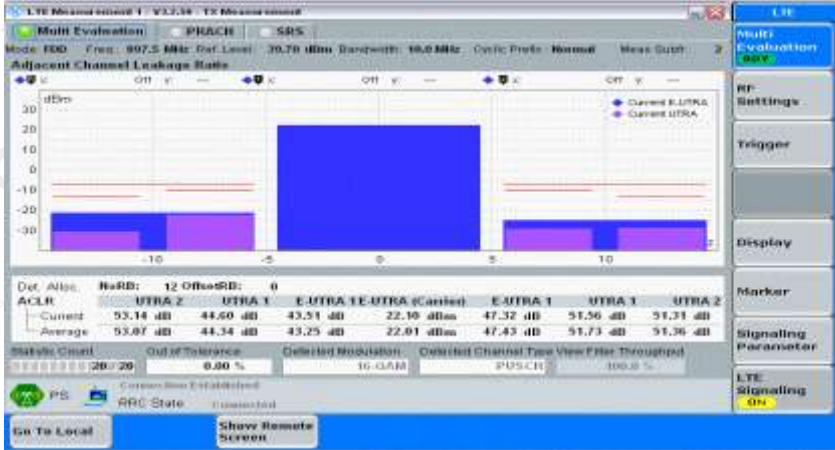


QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>

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16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

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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>

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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	

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## 5. Transmitter Spurious Emissions

### Test Result

NTV

**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

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

## Test Graphs

NTNV

Channel Bandwidth=Lowest (1.4 MHz)


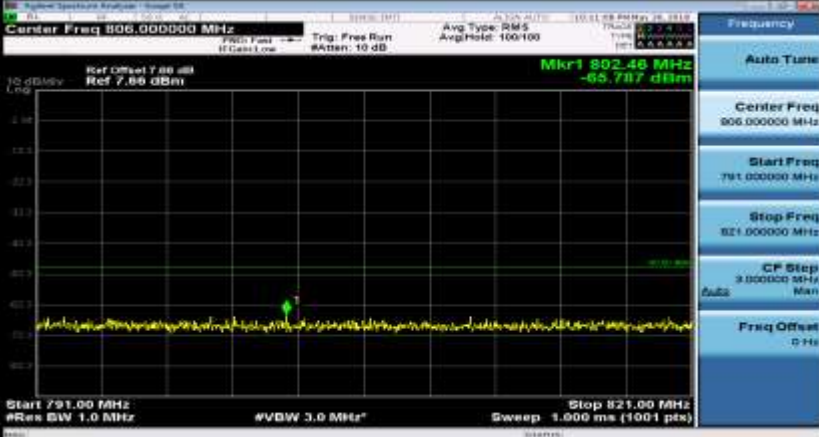
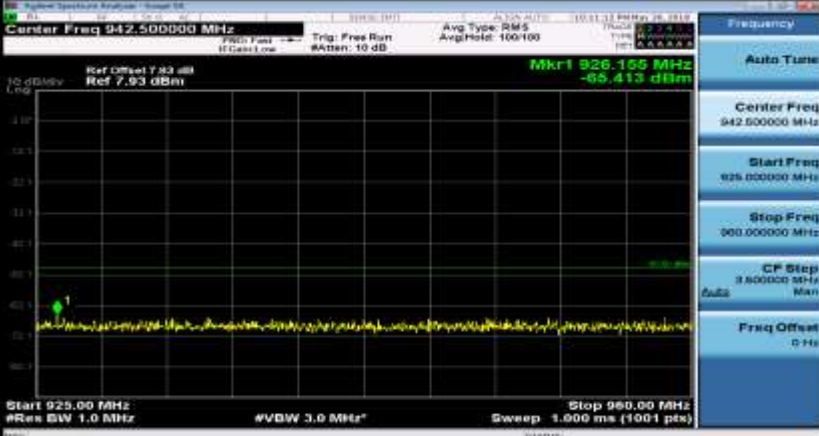


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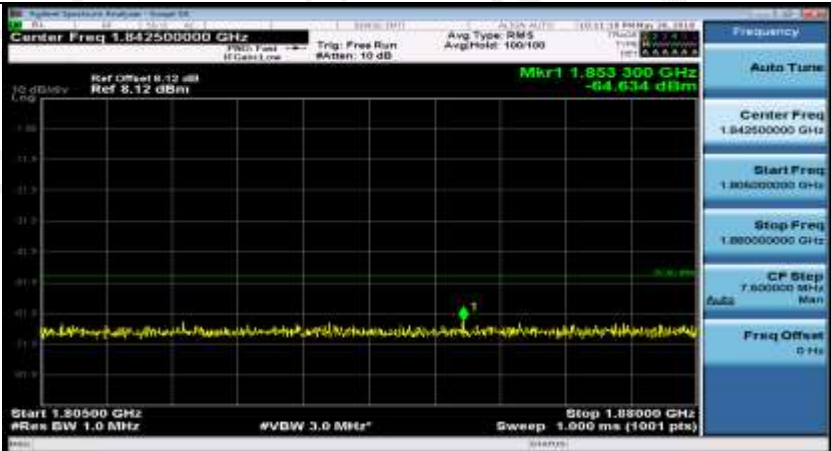
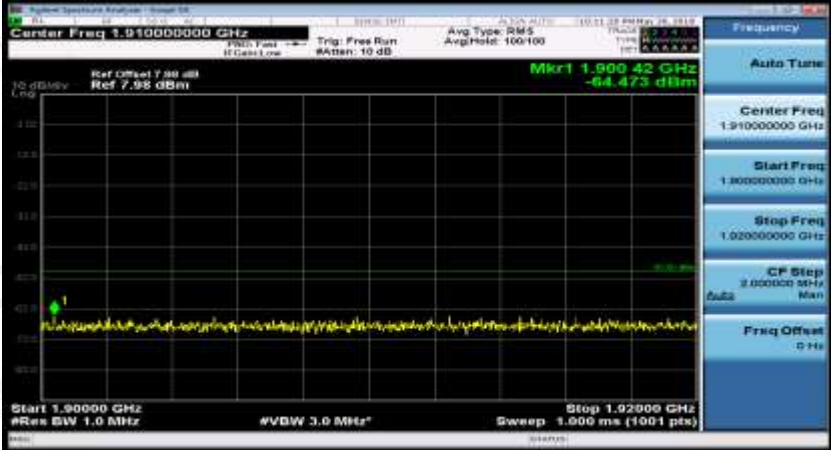
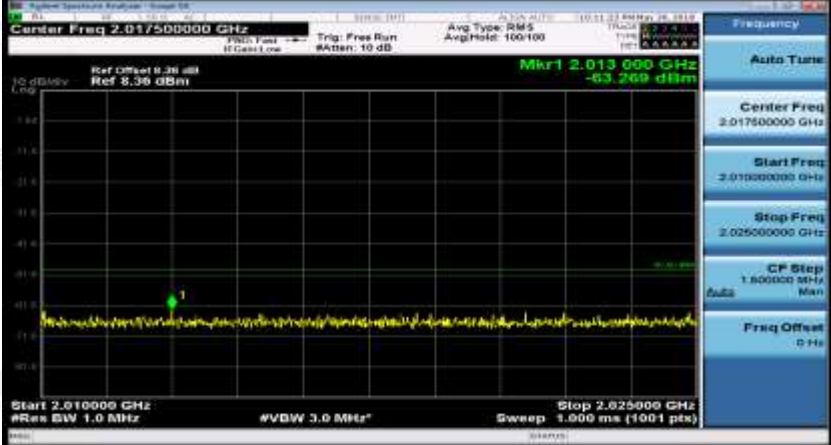
General			
General			
General			

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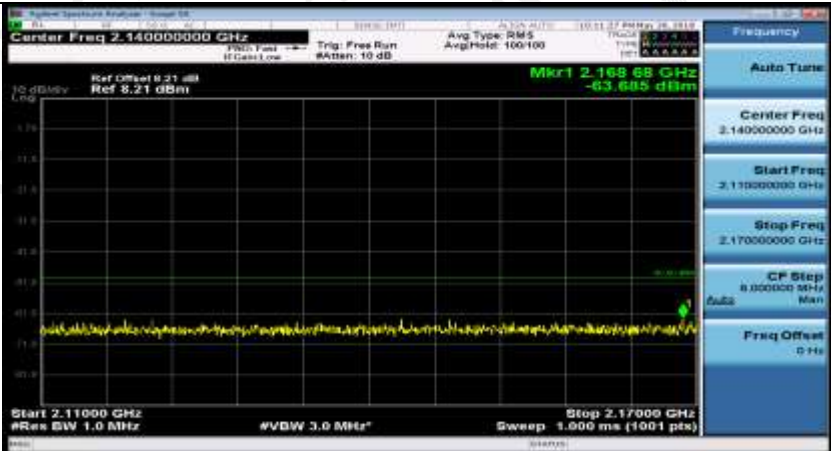
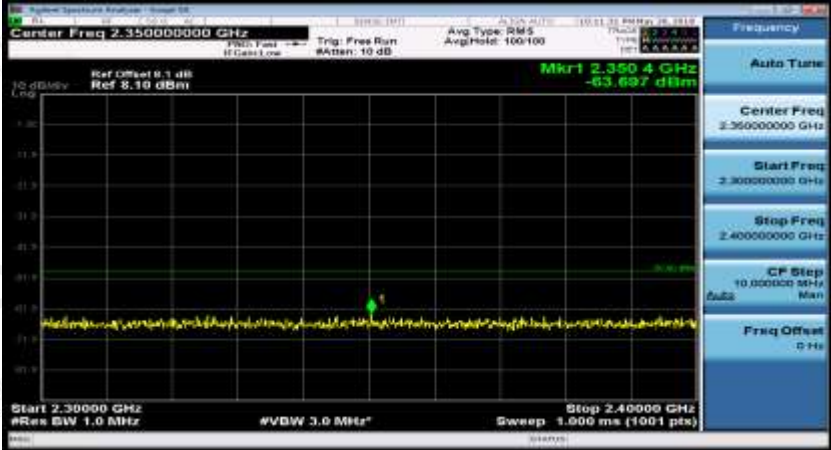
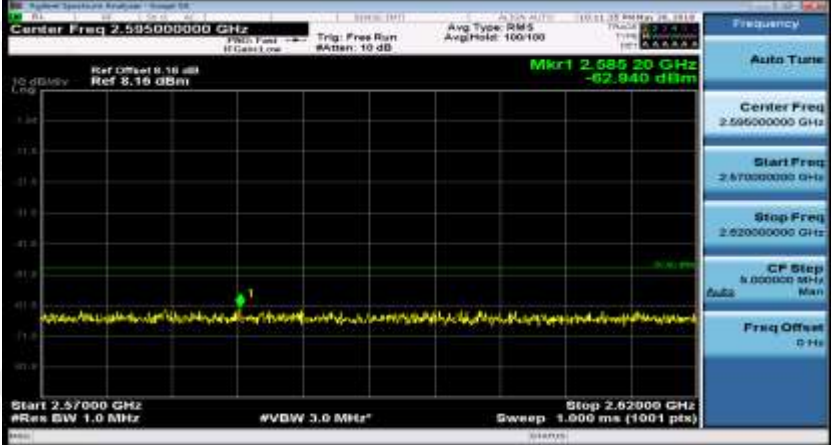
General			
Co-existence			
Co-existence			

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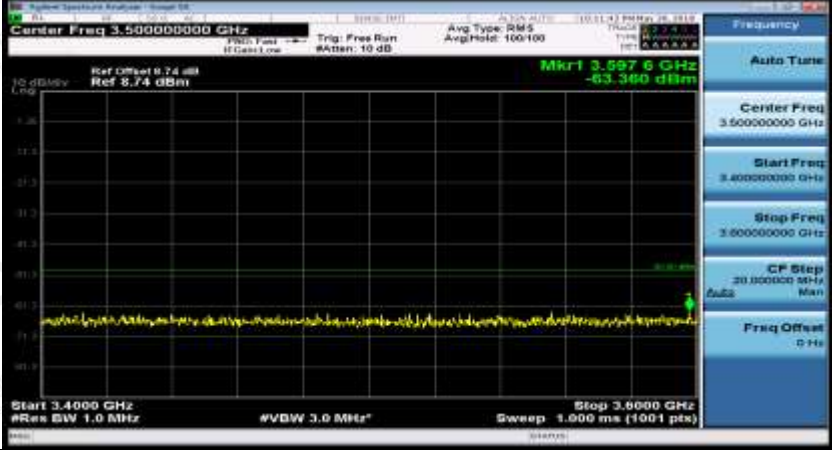

Co-existence	
Co-existence	
Co-existence	

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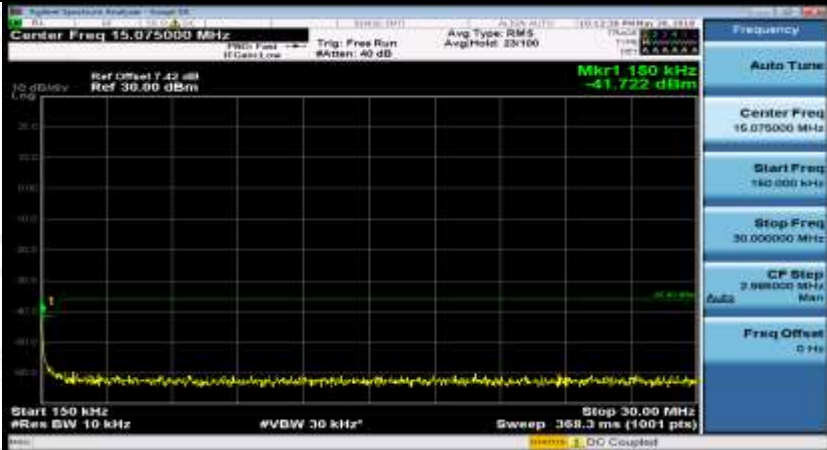
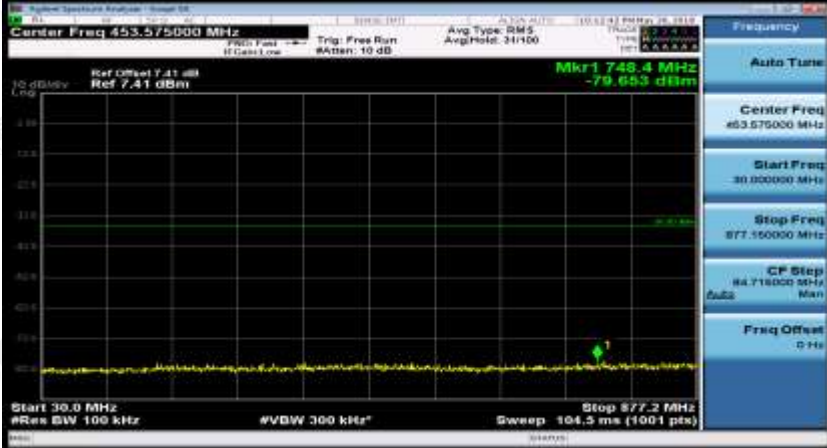
Co-existence	
Co-existence	
Co-existence	

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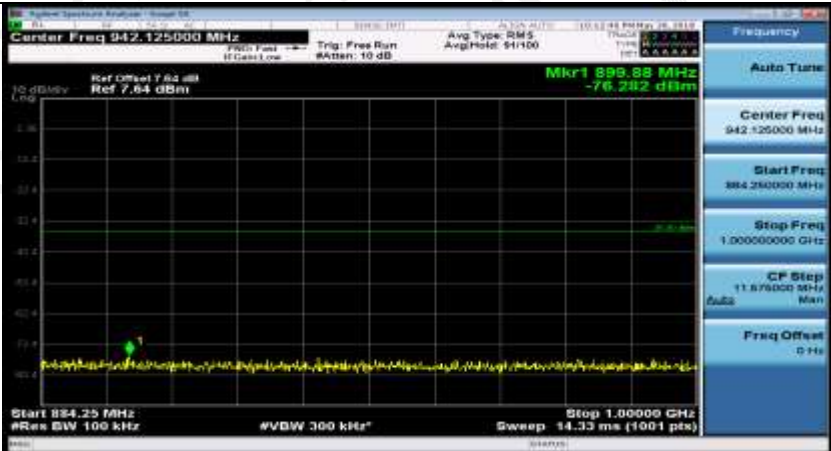

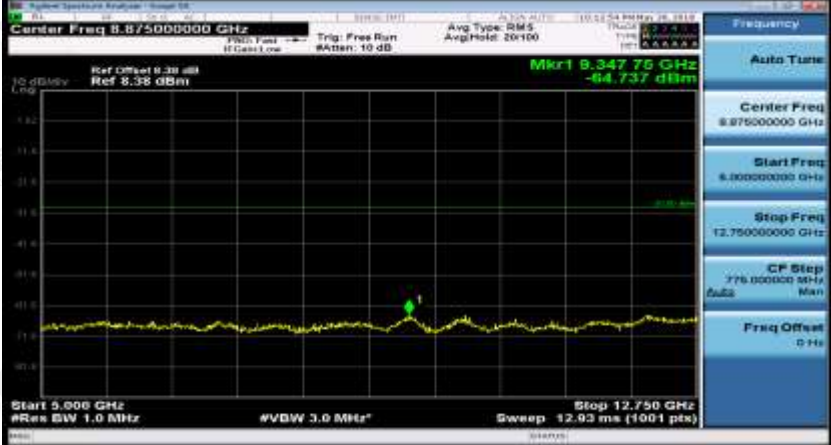
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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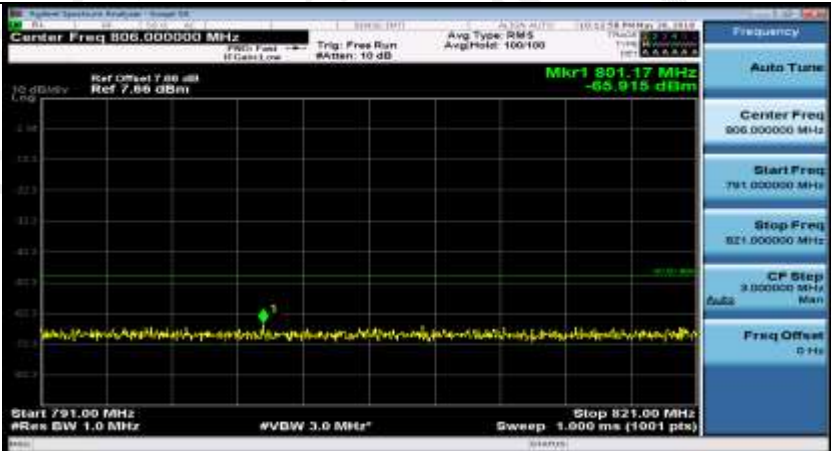
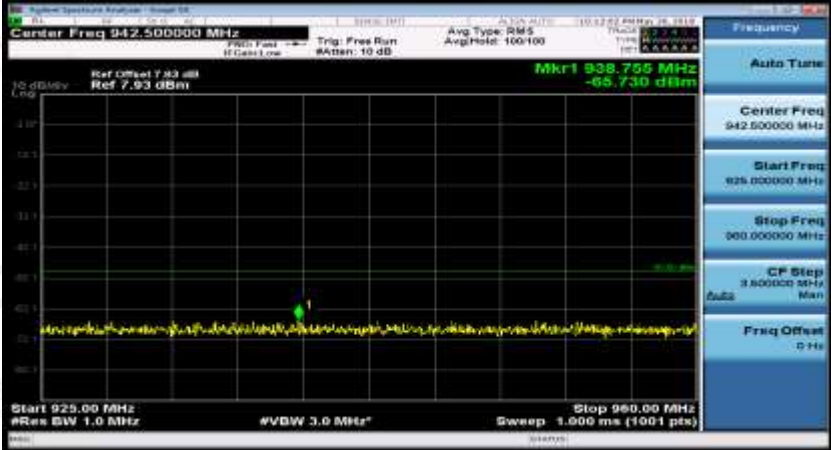
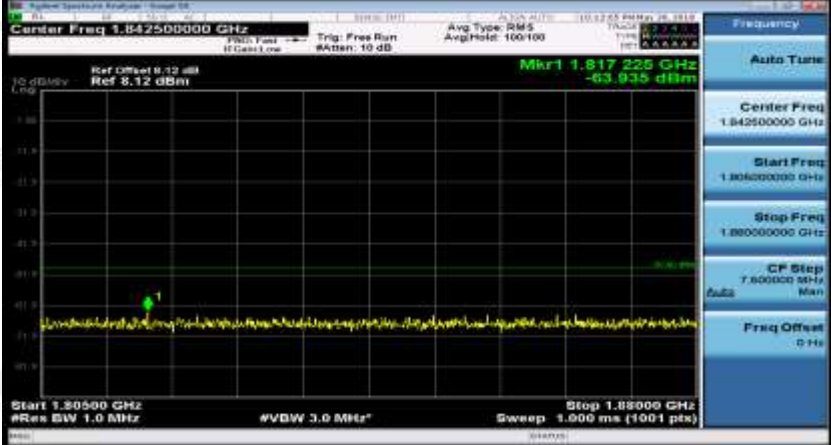
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_1RB#max		
General		
General		
General		

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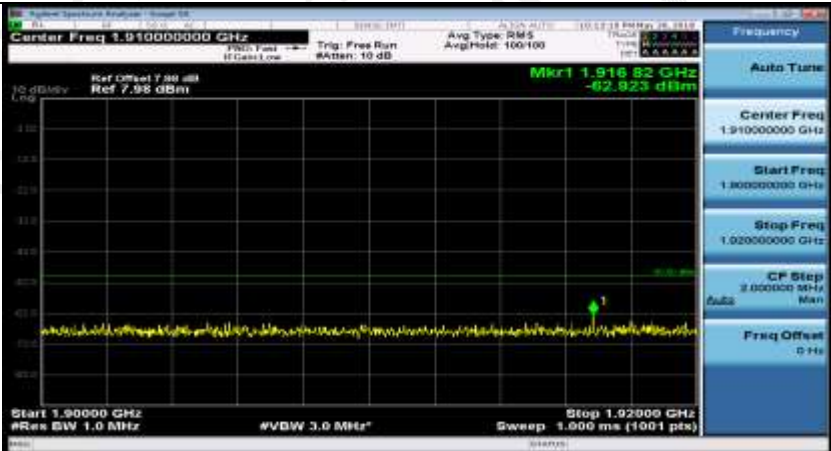
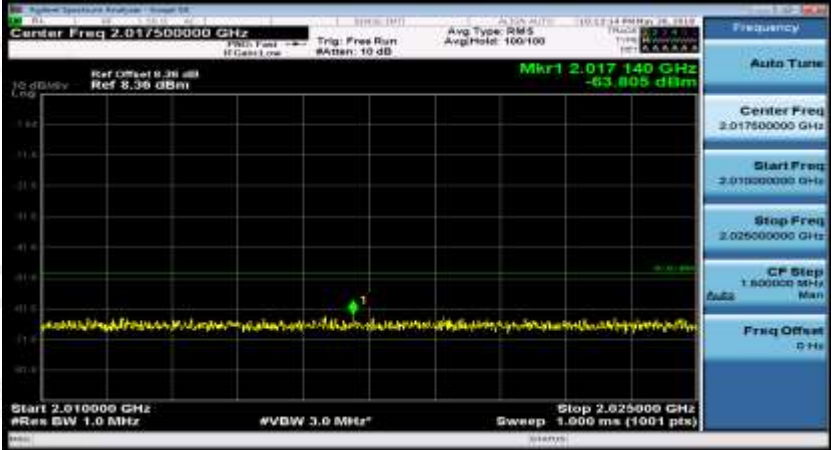
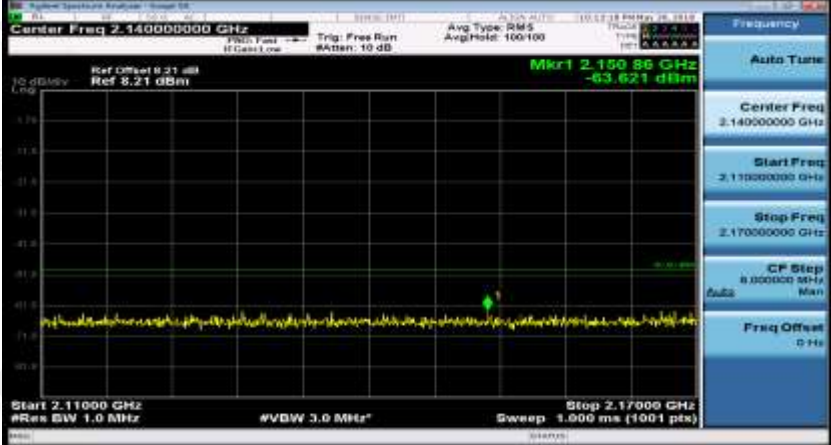
General	
General	
General	

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Co-existence	
Co-existence	
Co-existence	

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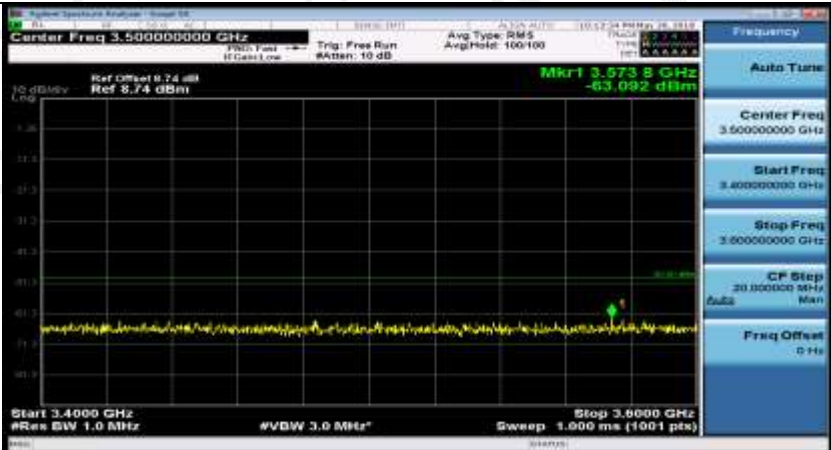
Co-existence	
Co-existence	
Co-existence	

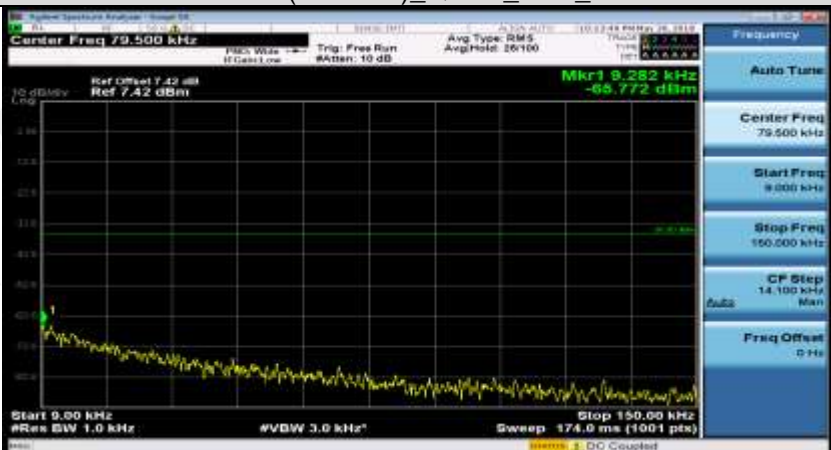
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA


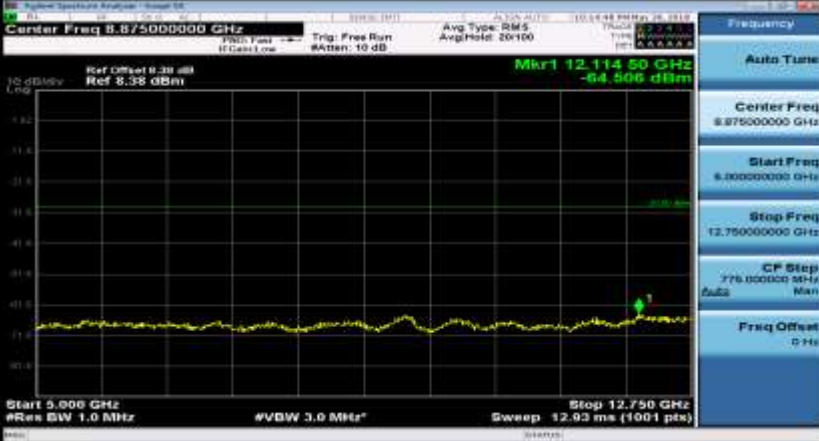
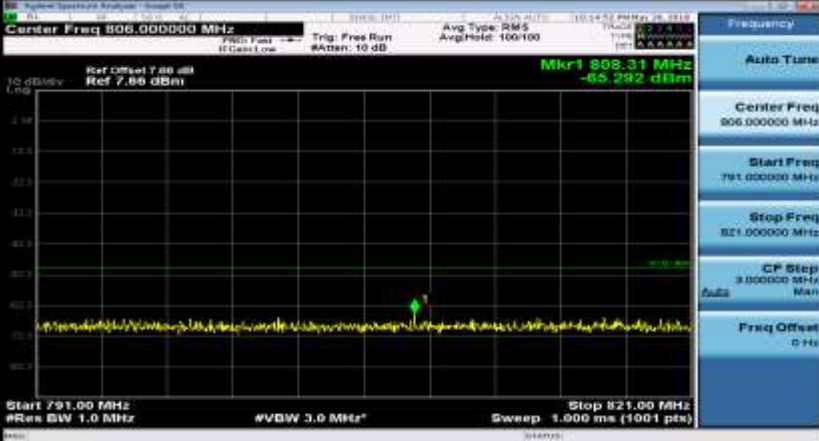
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullIRB#0	
General	

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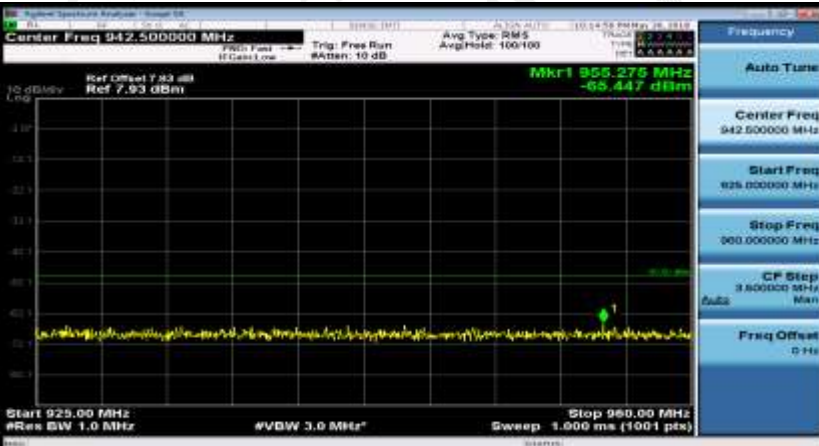
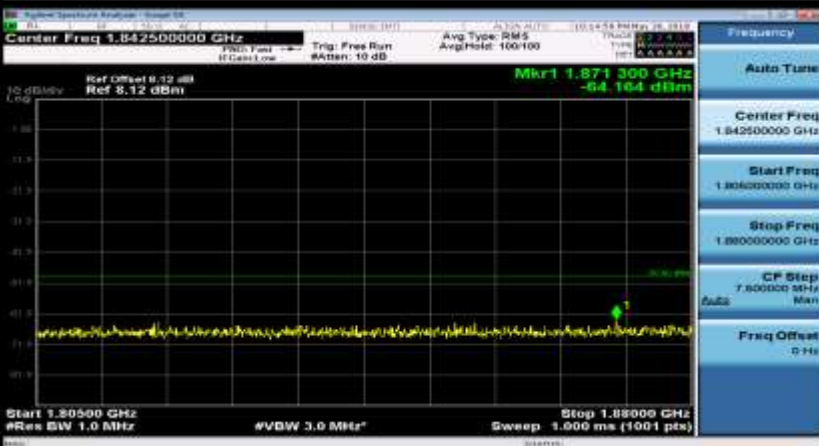

General			
General			
General			

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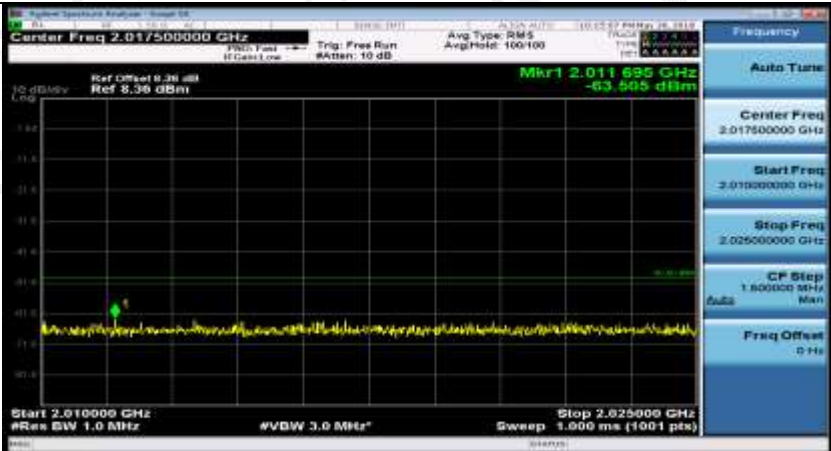
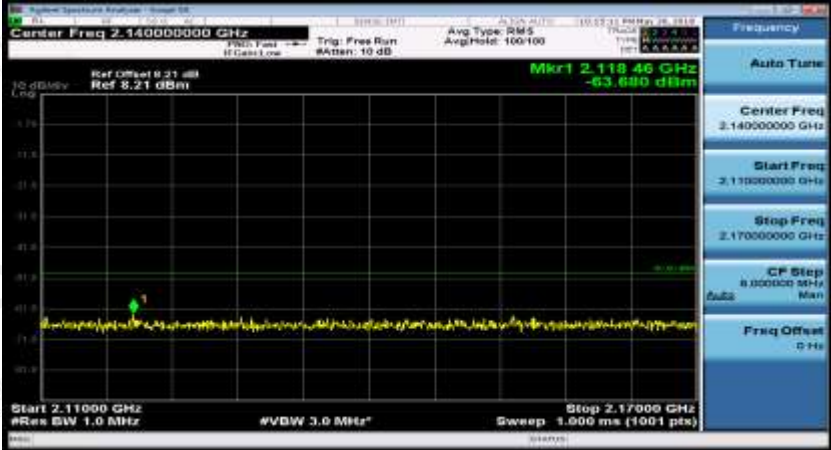
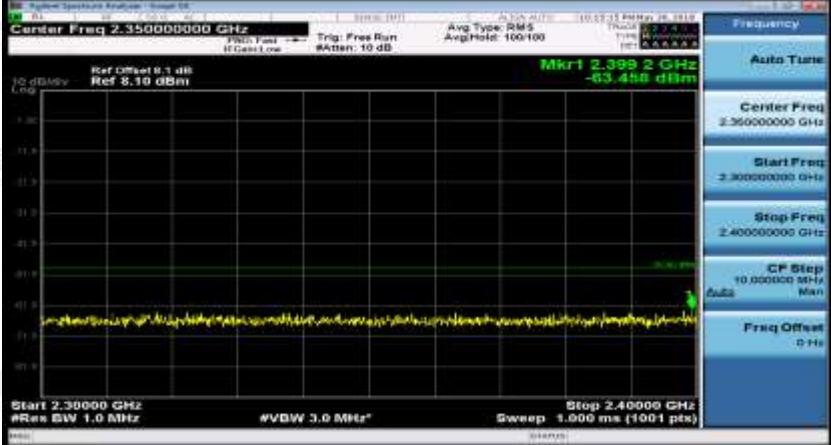
General			
General			
Co-existence			

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Co-existence			
Co-existence			
Co-existence			

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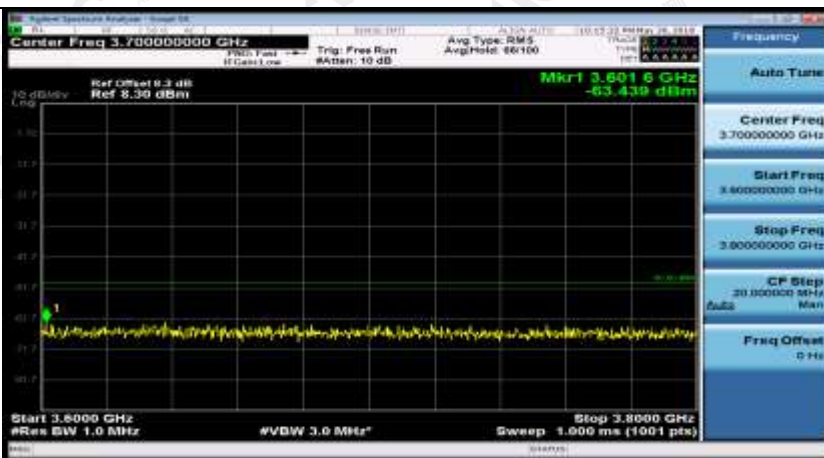
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

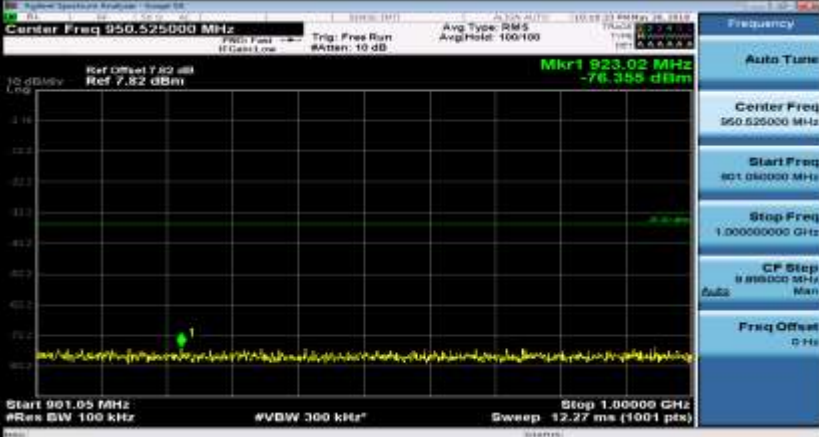

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Co-existence	
Additional	NA


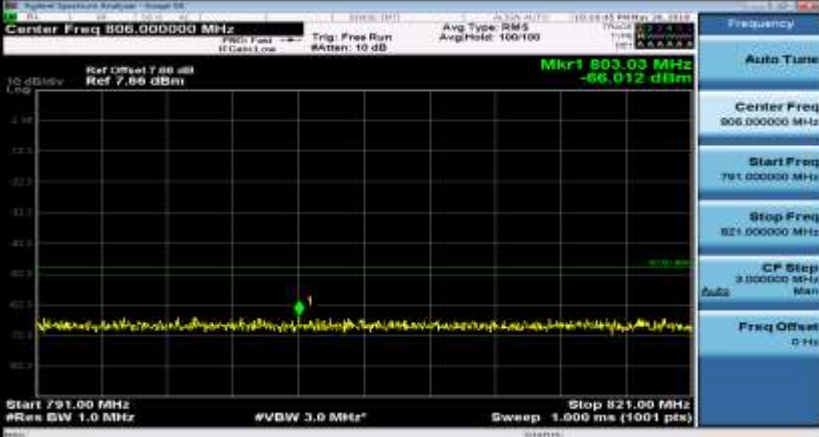
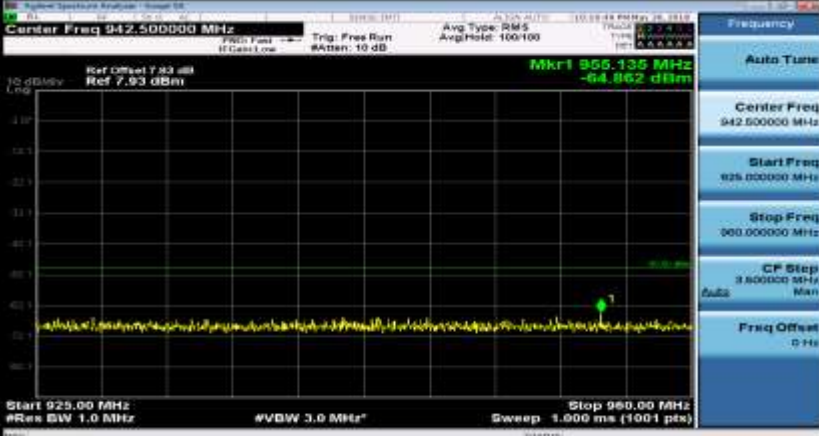
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#0	
General	
General	

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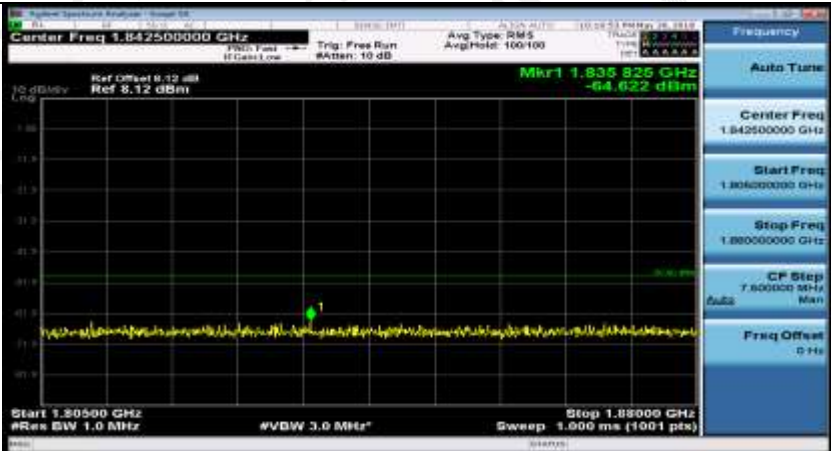
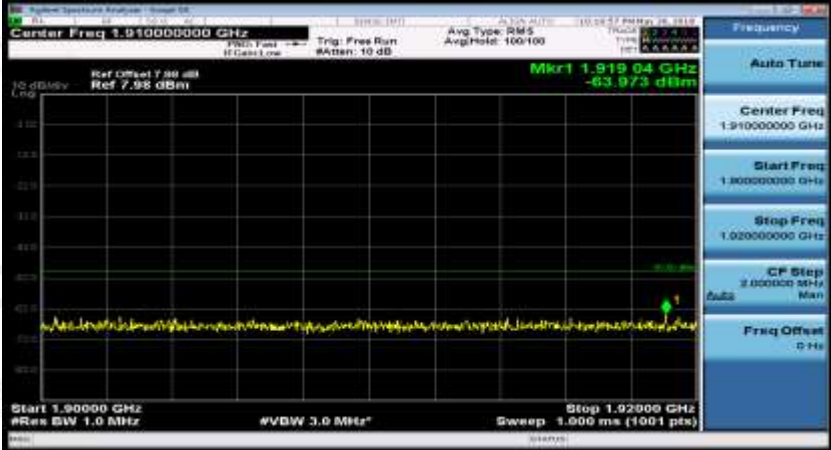
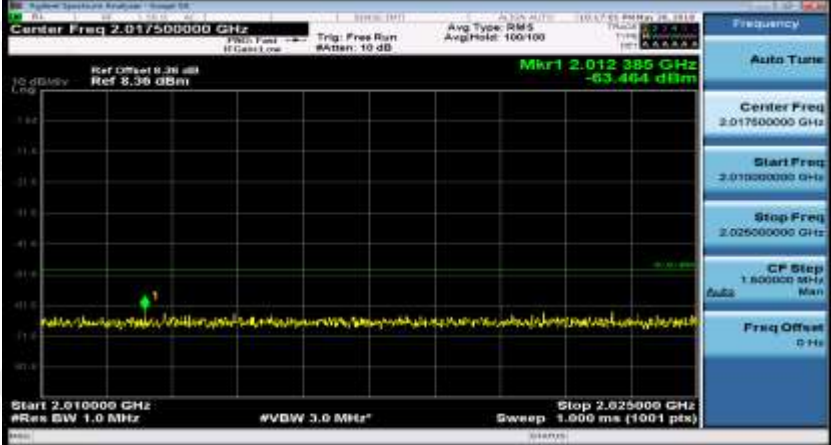
General			
General			
General			

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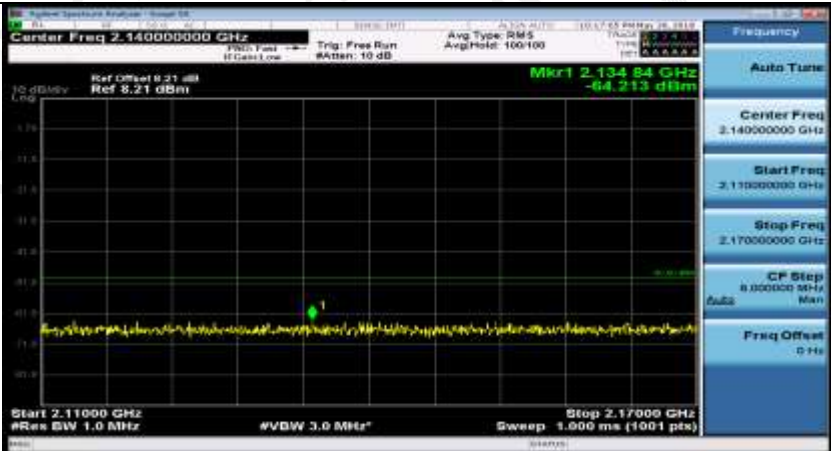

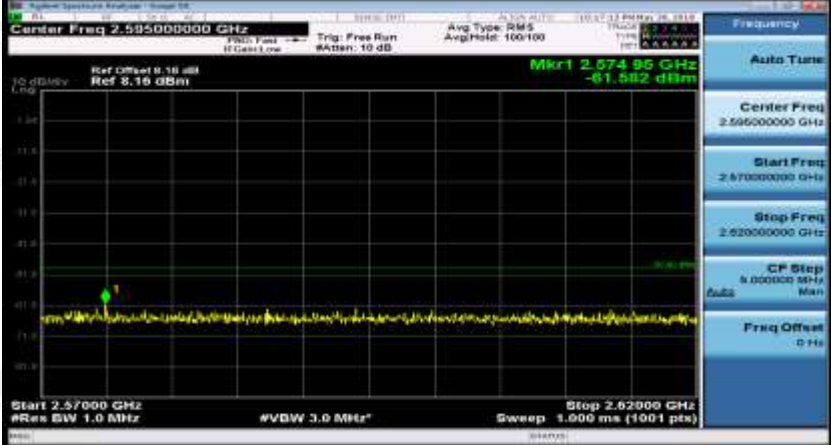
General			
Co-existence			
Co-existence			

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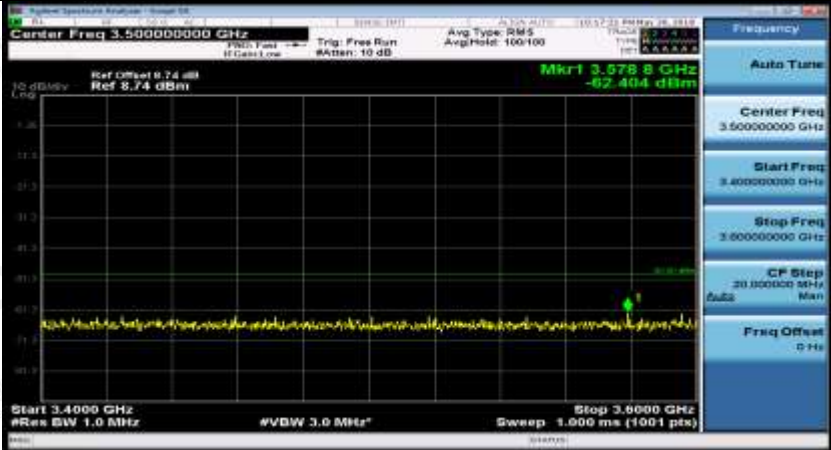
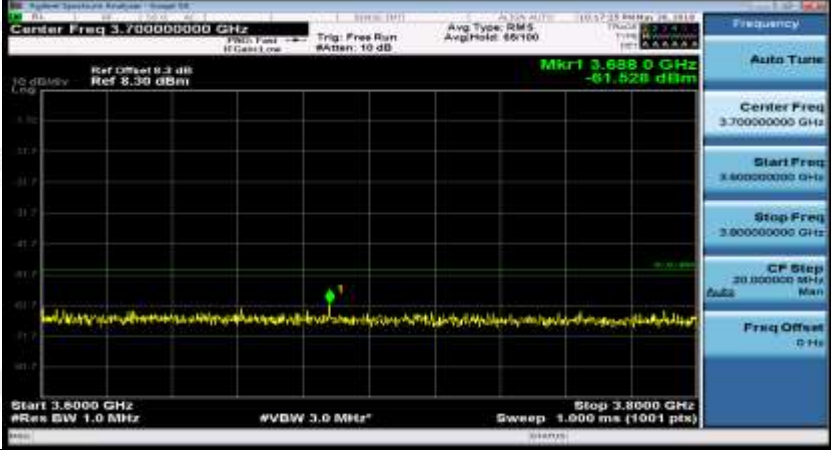
Co-existence	
Co-existence	
Co-existence	

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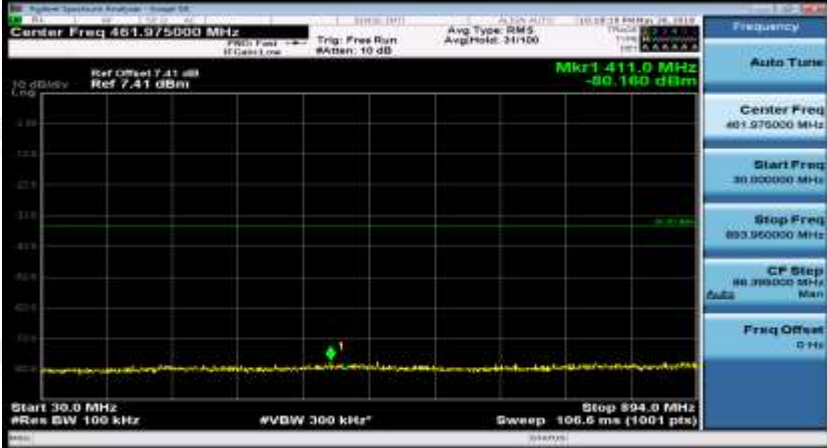
Co-existence	
Co-existence	
Co-existence	

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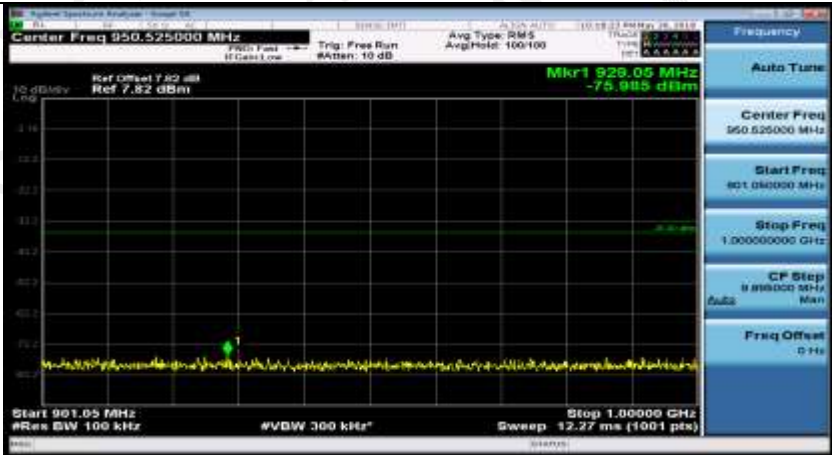


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#max		
General		
General		
General		

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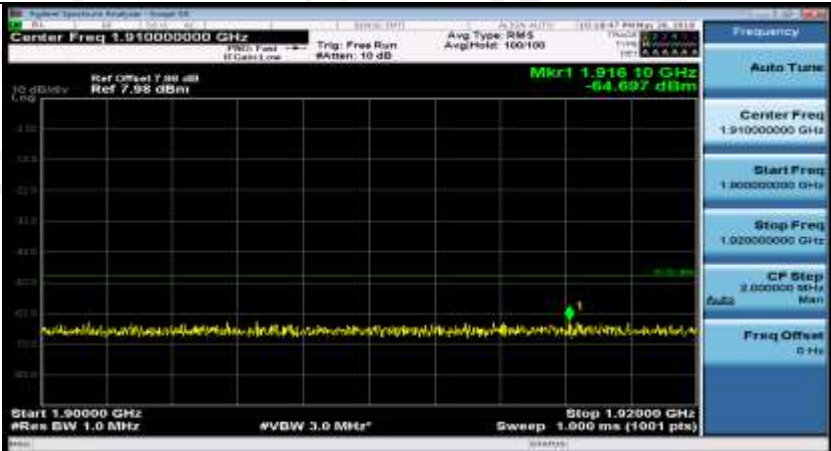
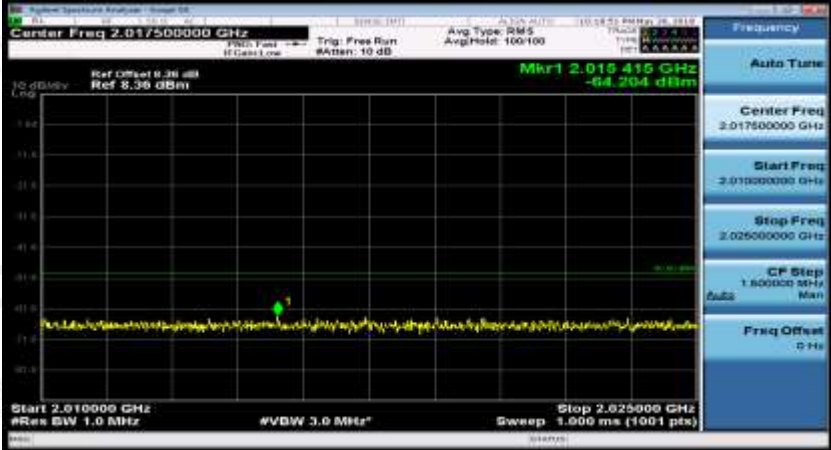
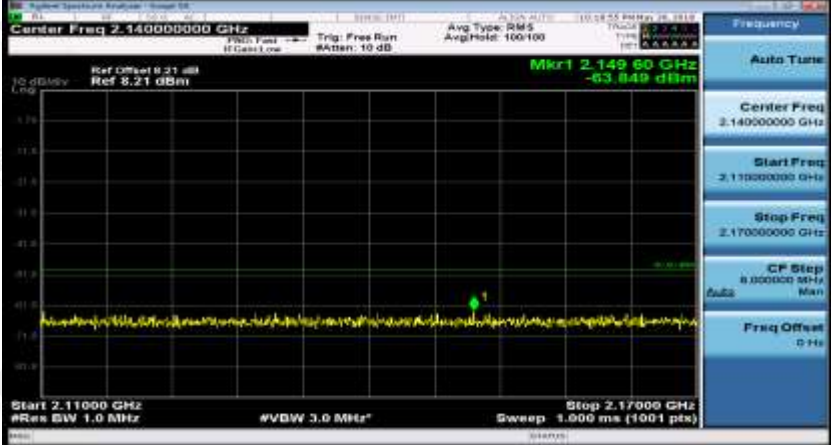
General			
General			
General			

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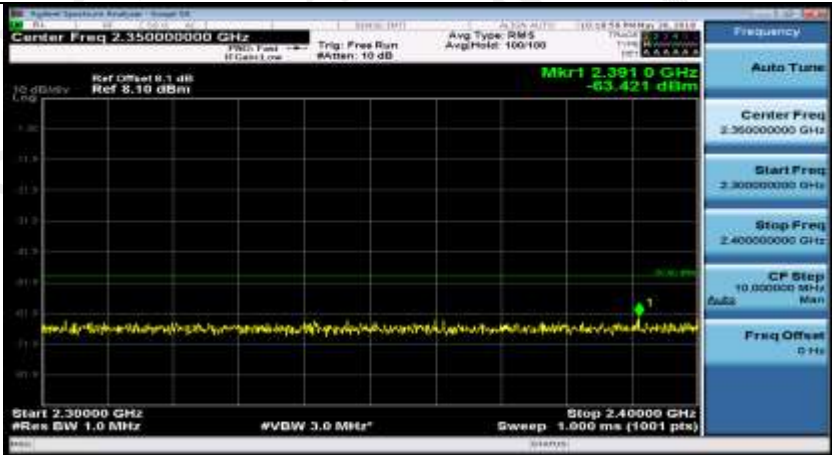

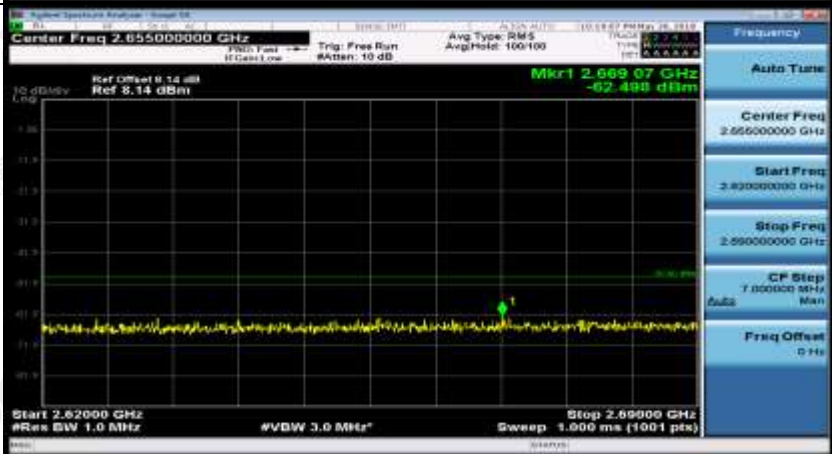
Co-existence	
Co-existence	
Co-existence	

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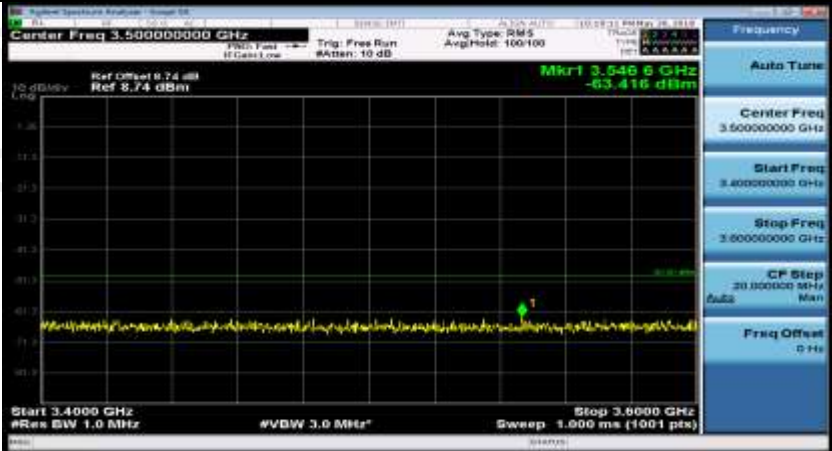
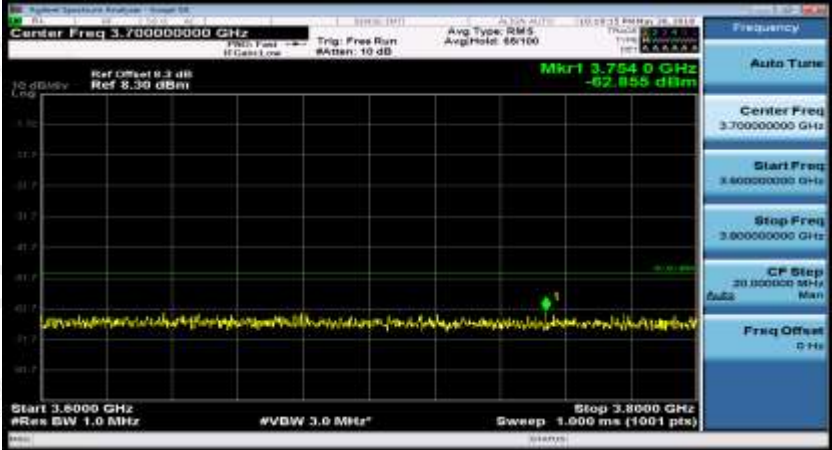
Co-existence	
Co-existence	
Co-existence	

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Co-existence		 <p>Center Freq 2.35000000 GHz Ref Offset 0.1 dB Ref 8.19 dBm Mkr1 2.3910 GHz -63.421 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>Center Freq 2.59500000 GHz Ref Offset 0.16 dB Ref 8.16 dBm Mkr1 2.58160 GHz -62.051 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>Center Freq 2.65500000 GHz Ref Offset 0.14 dB Ref 8.14 dBm Mkr1 2.68907 GHz -62.498 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>	

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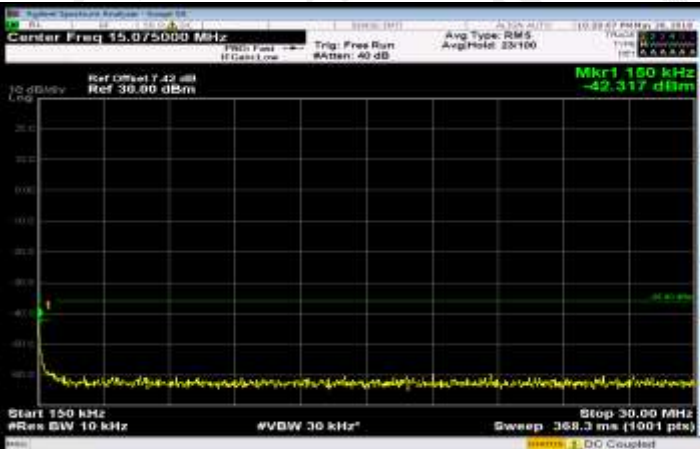

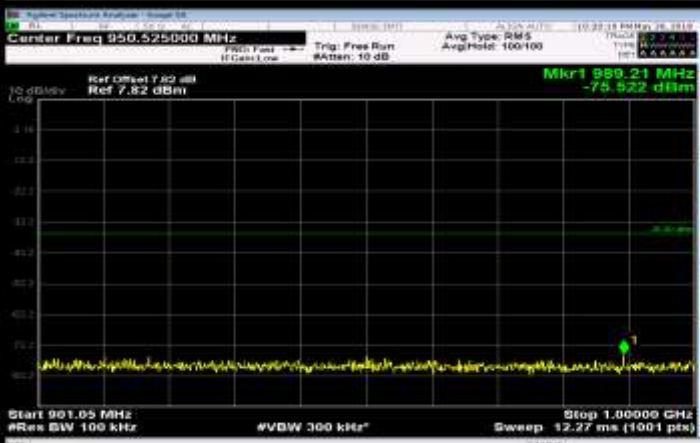
Co-existence	
Co-existence	
Additional	NA

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


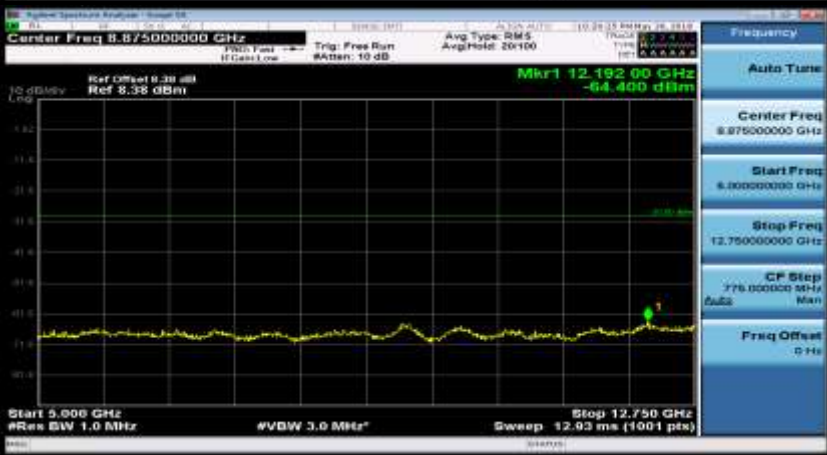
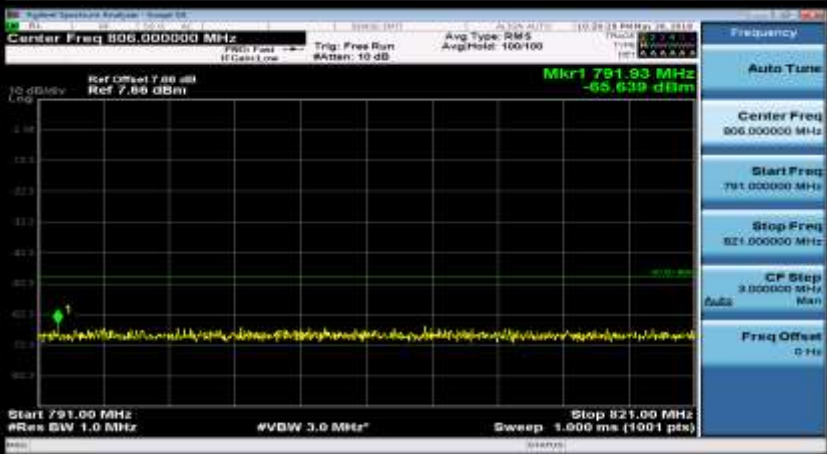
General	
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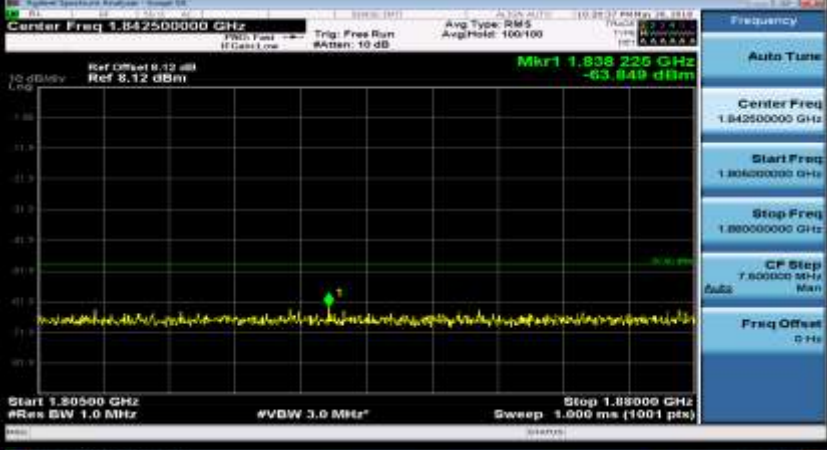
General			
General			
General			

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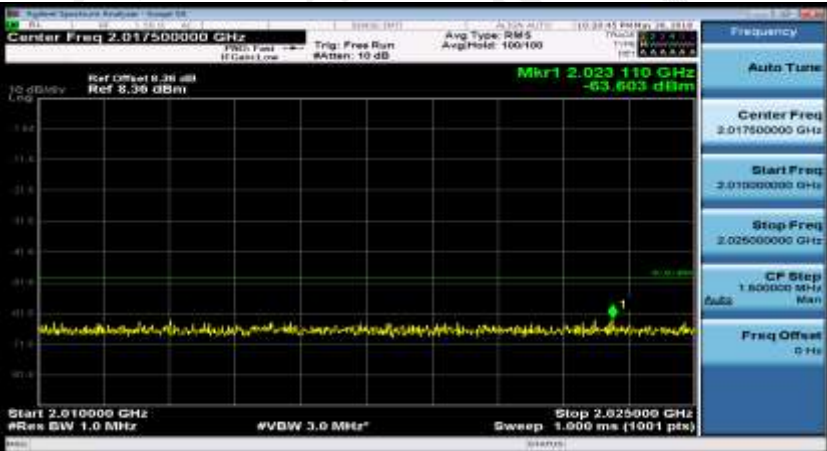
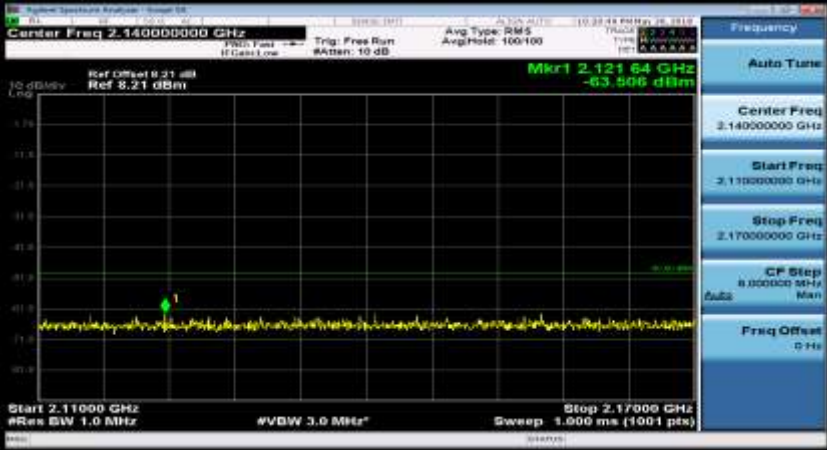
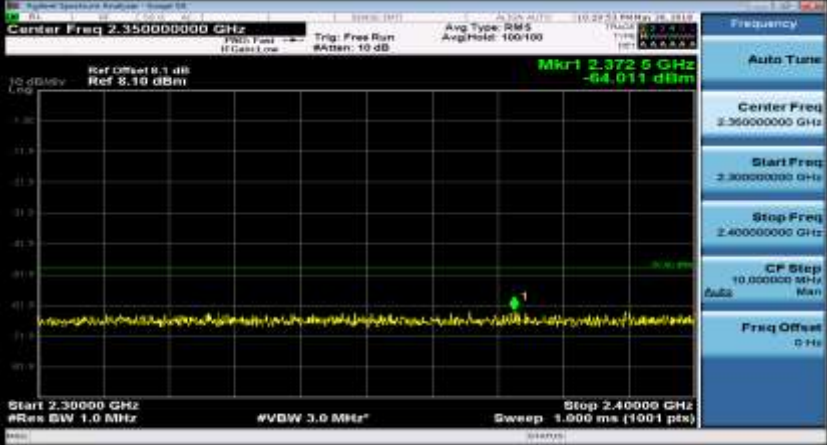
General		
General		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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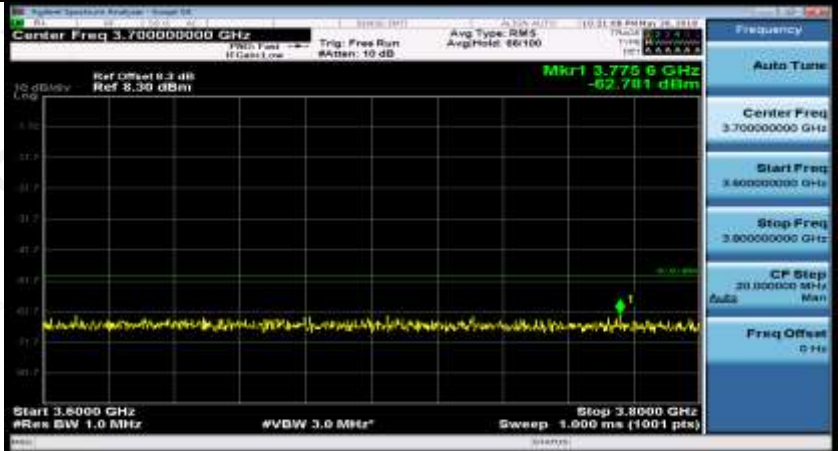
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

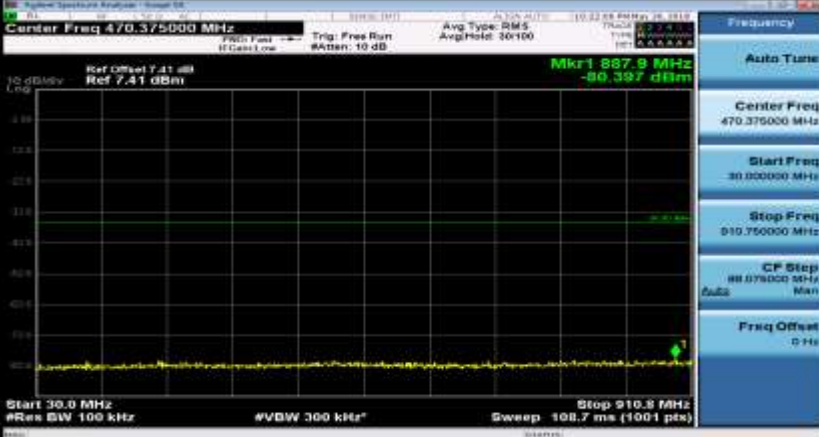
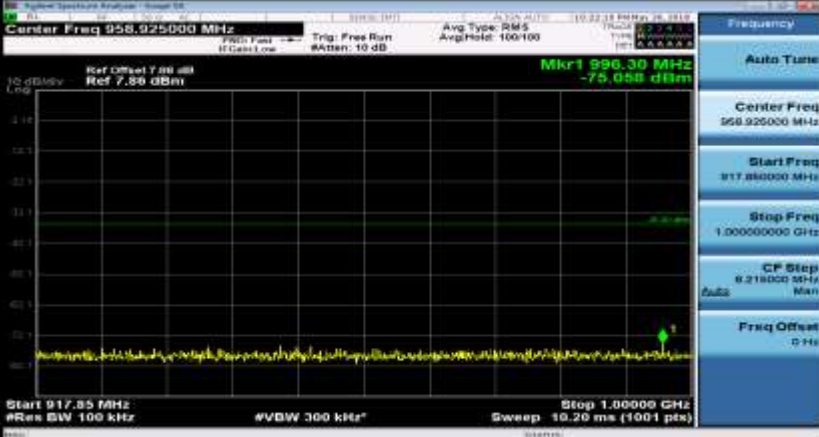

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Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#0	
General	
General	

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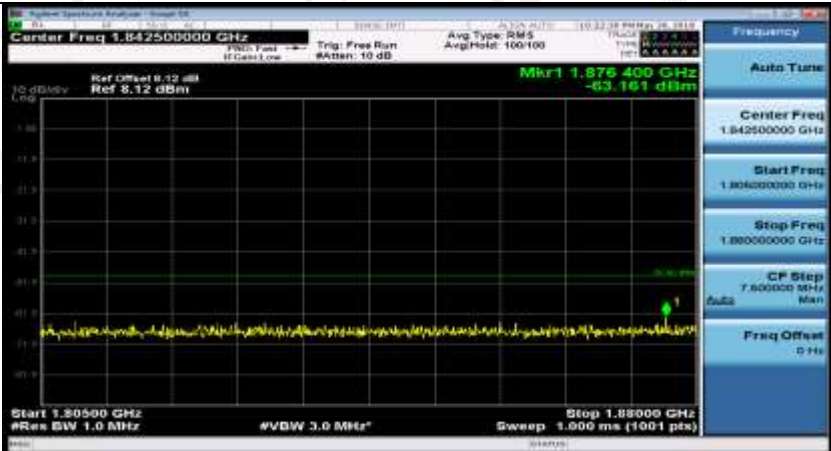
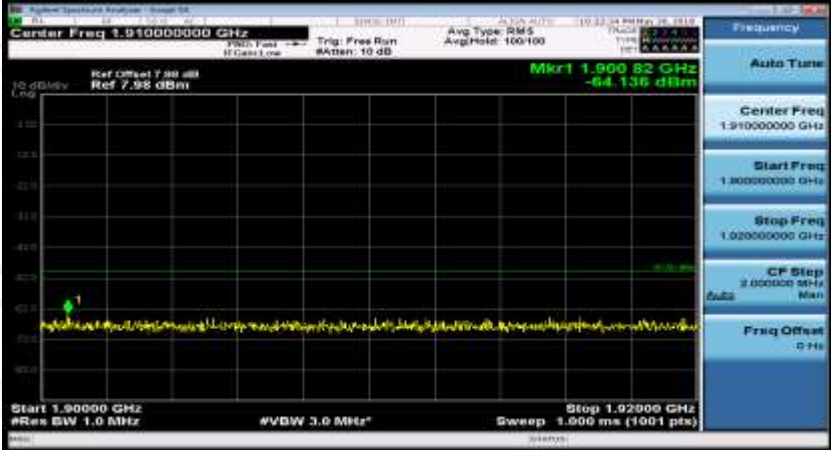
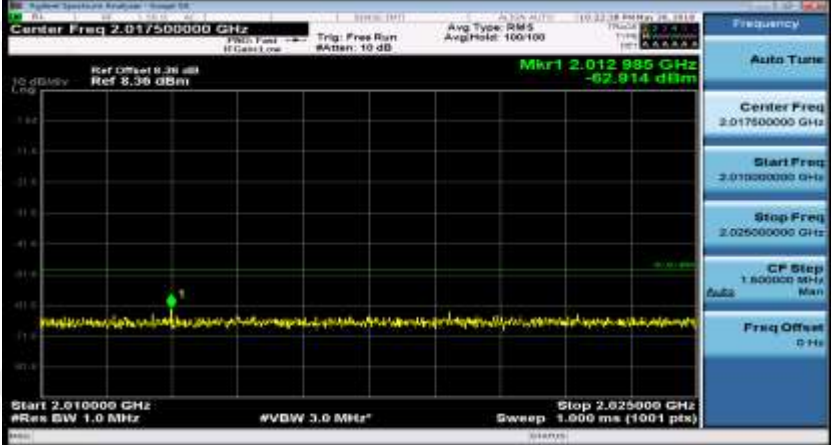
General			
General			
General			

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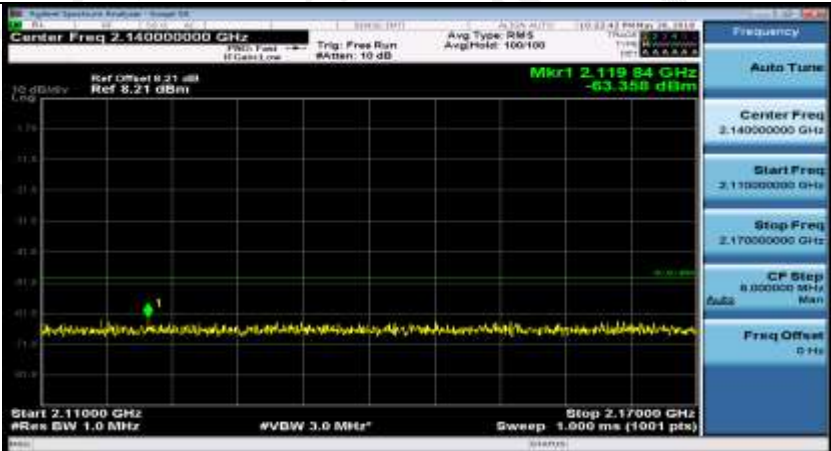
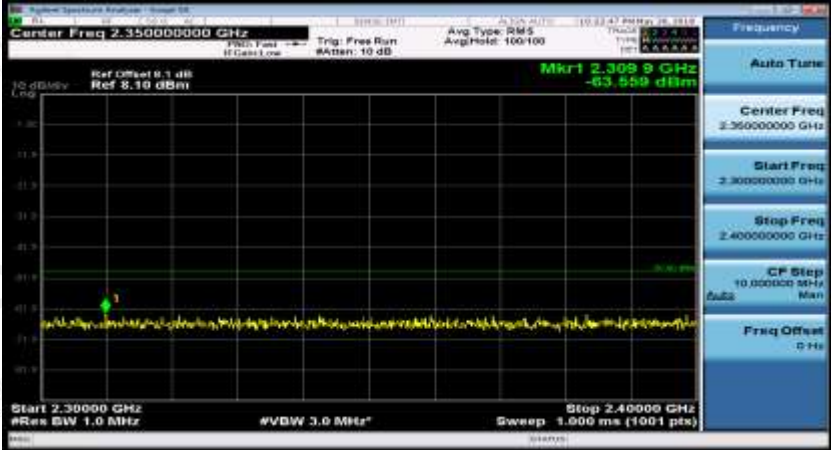
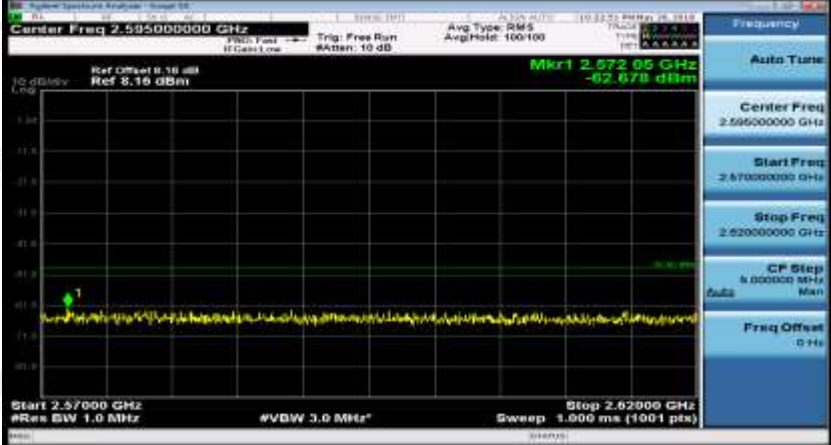
General			
Co-existence			
Co-existence			

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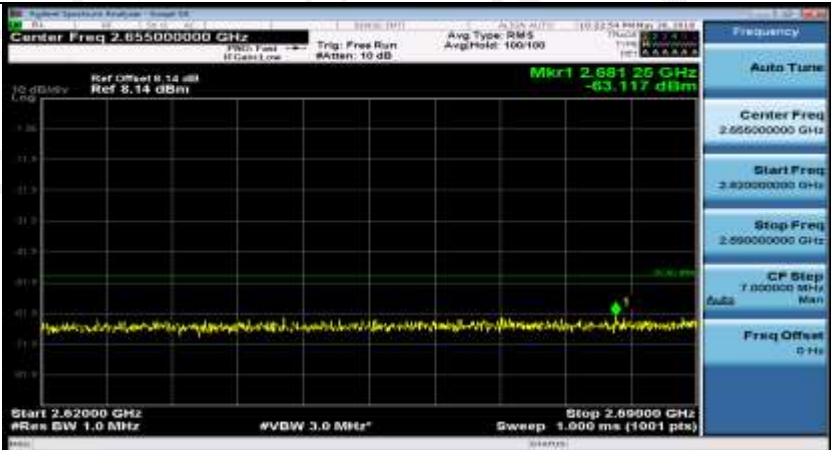
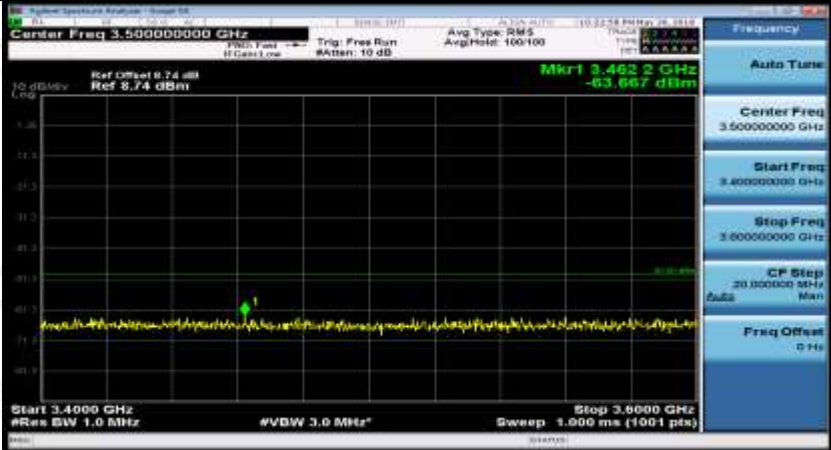
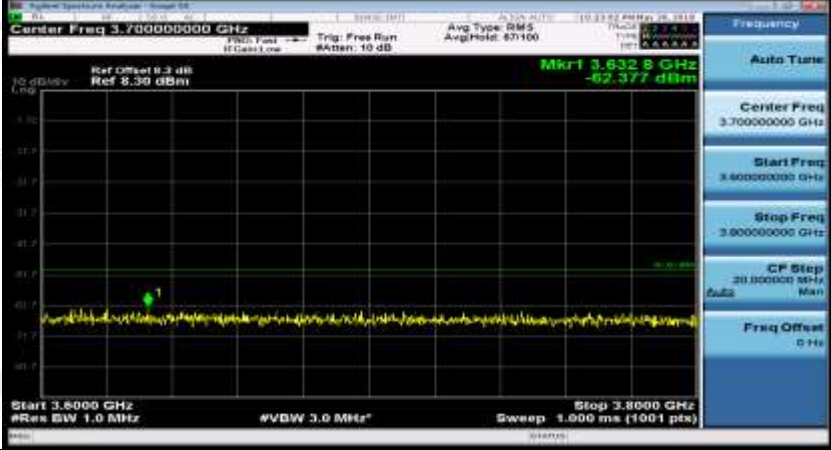
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

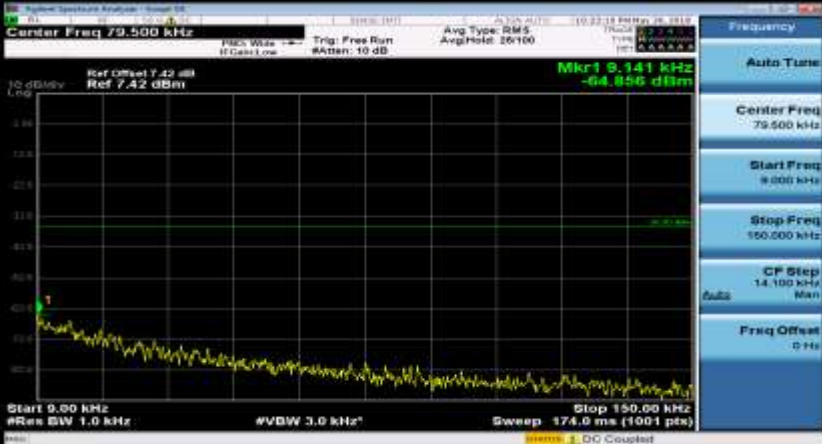
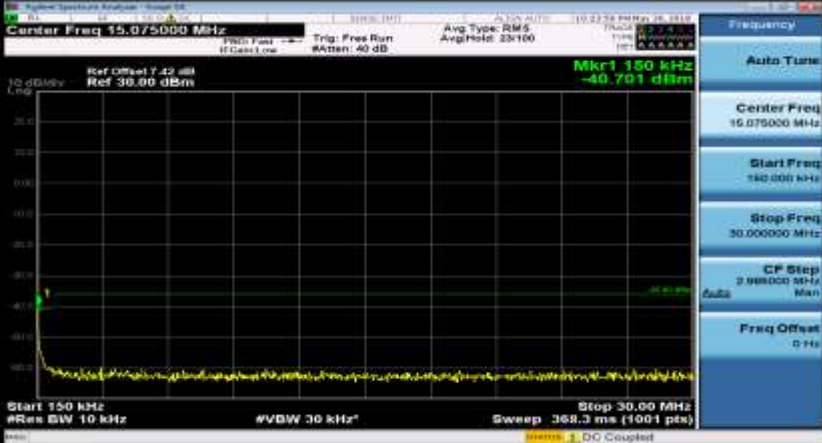
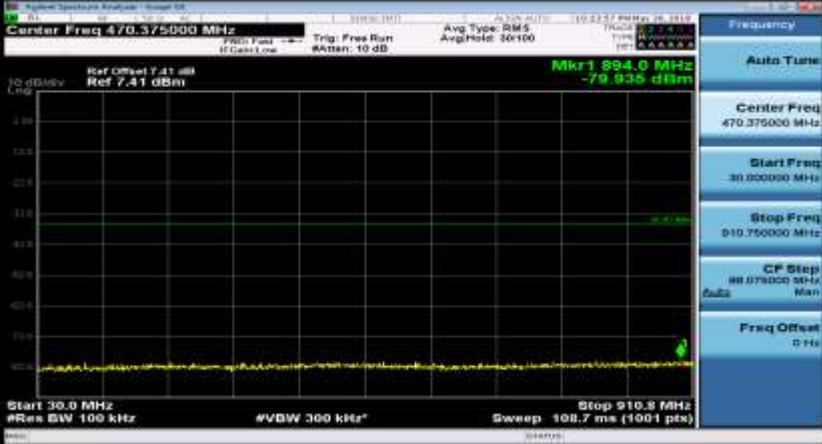
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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

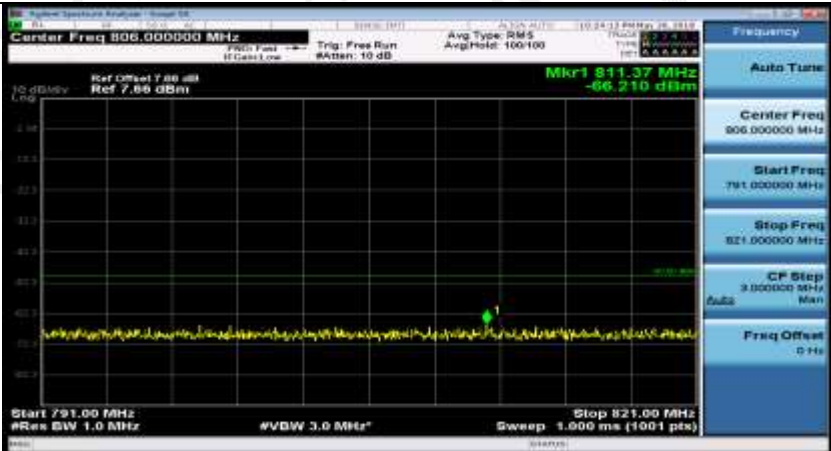
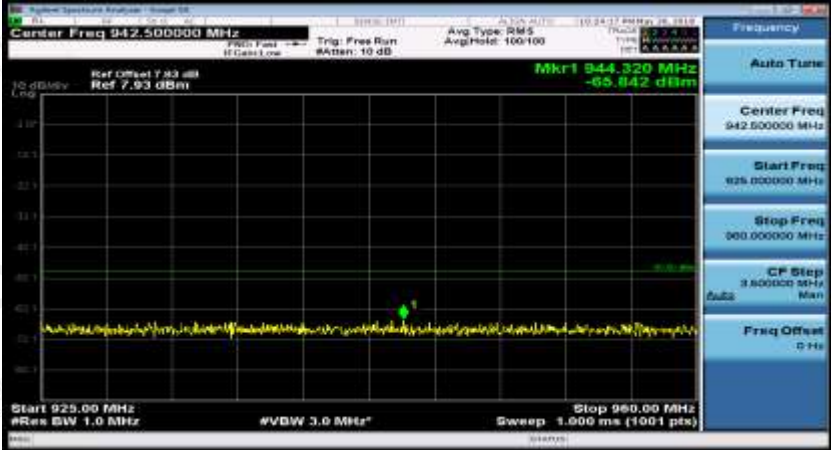
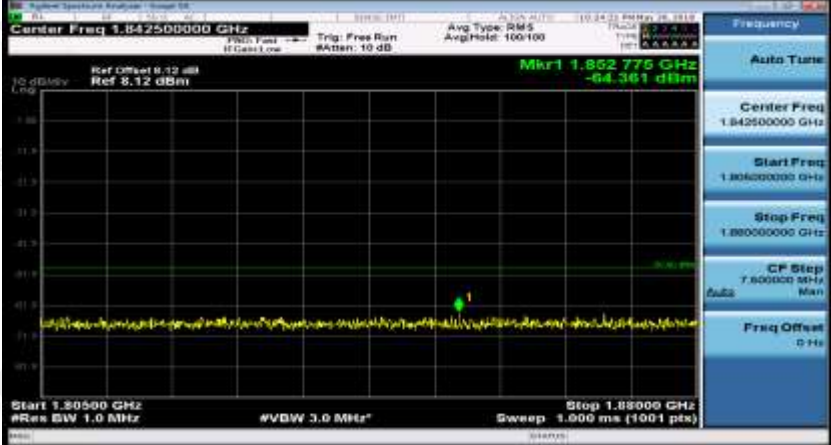
General		
General		
General		

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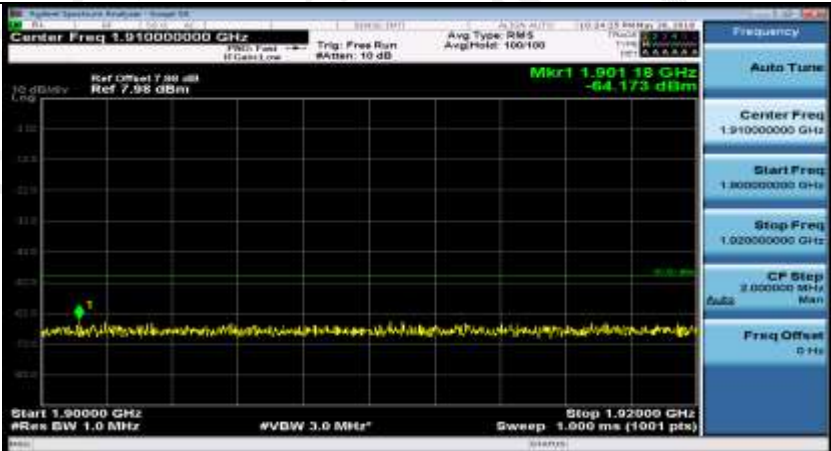
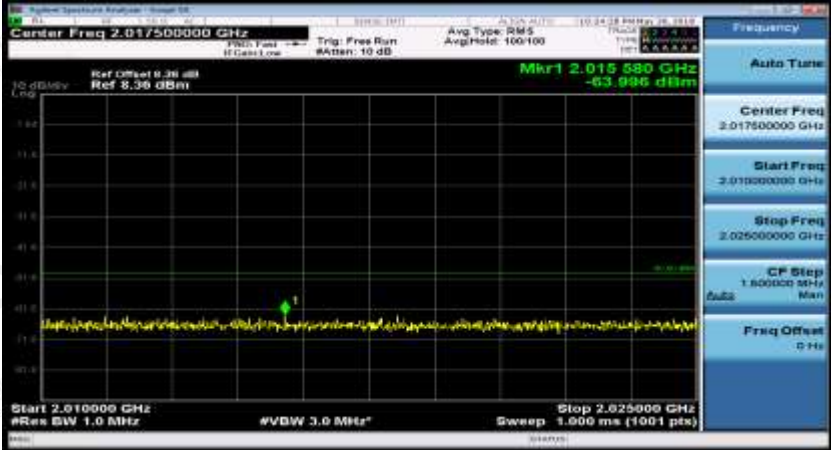
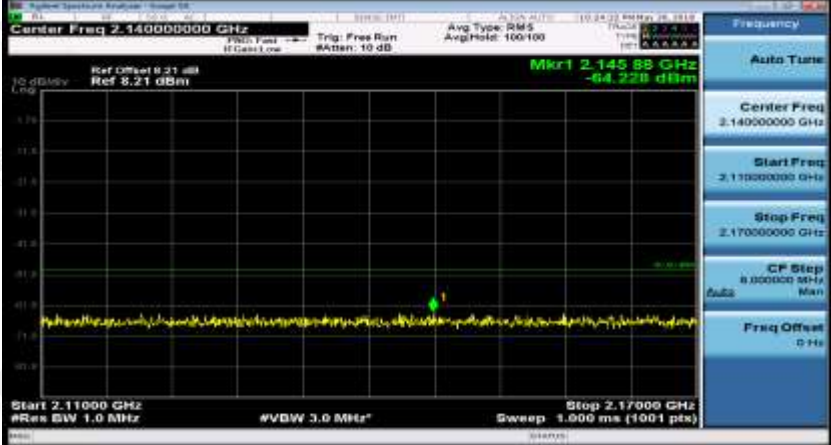
General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

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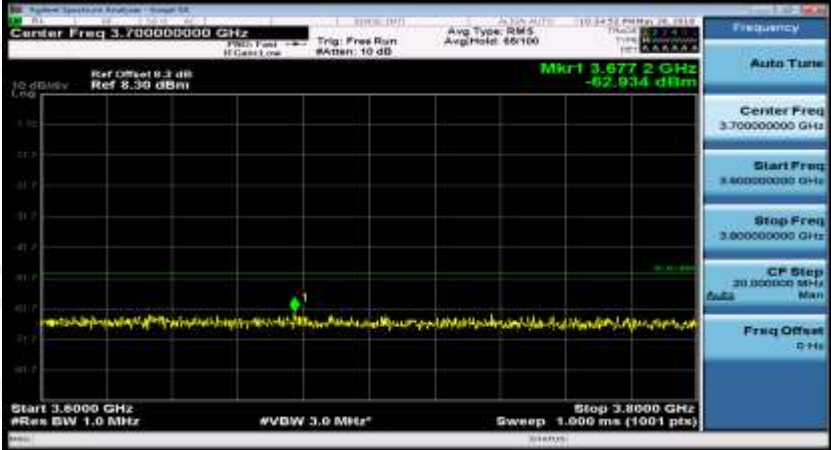
Co-existence	
Co-existence	
Co-existence	

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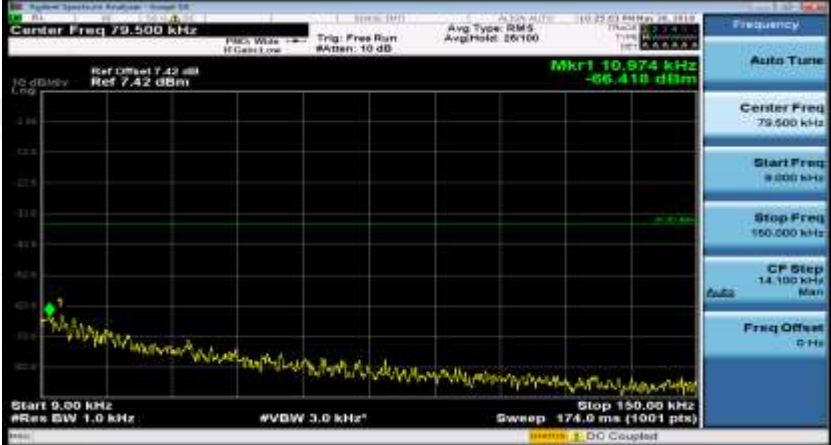
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

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



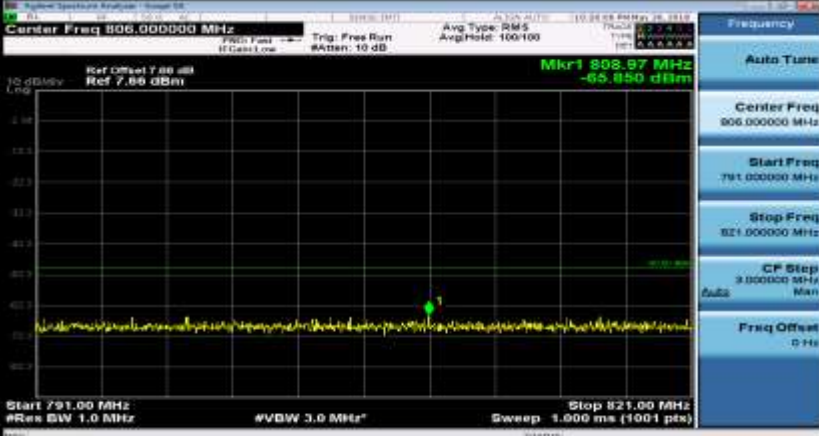
General	
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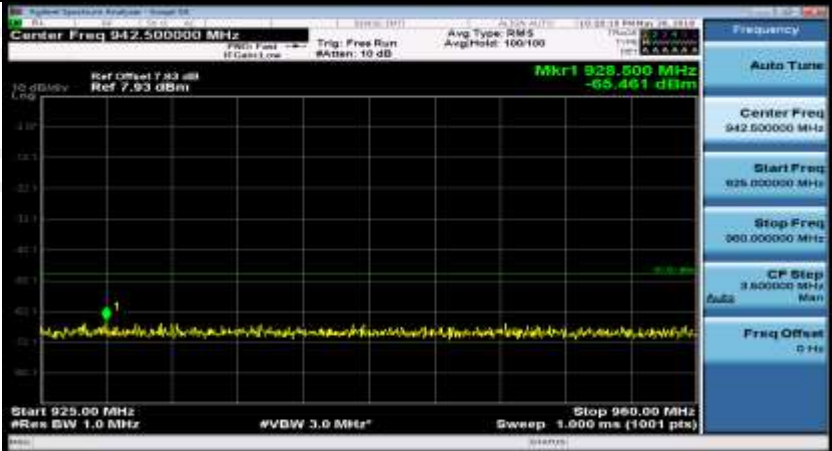
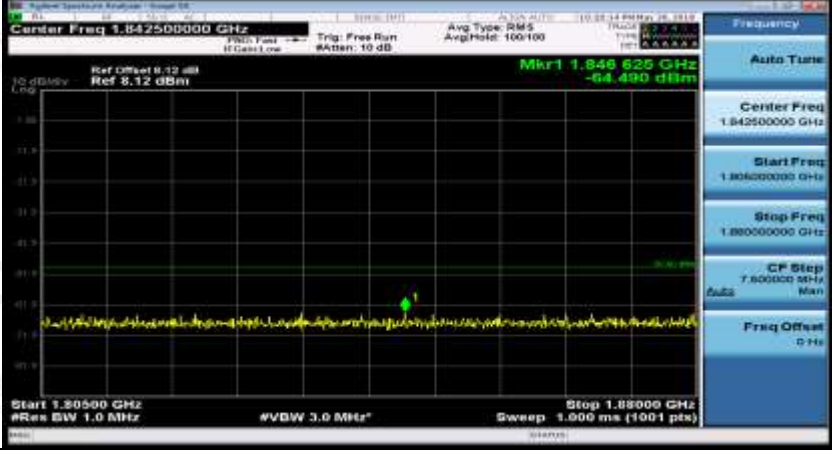
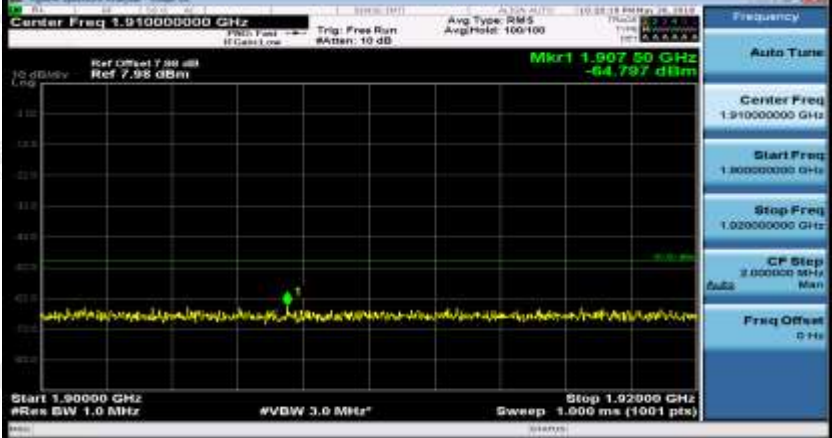
General			
General			
General			

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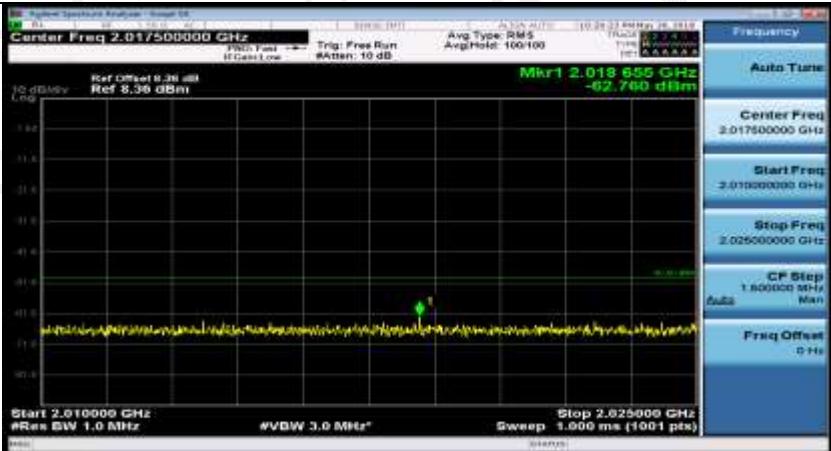
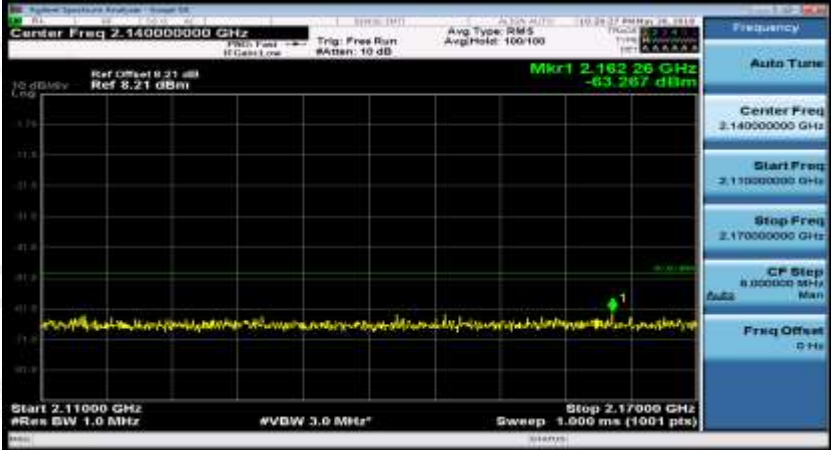
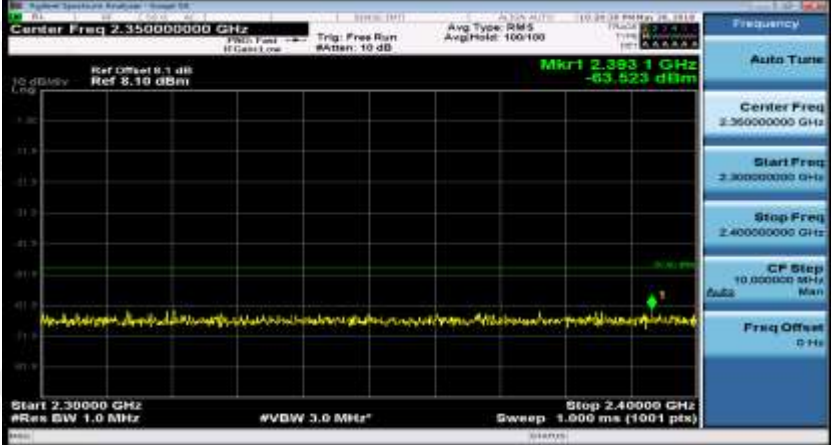
General			
General			
Co-existence			

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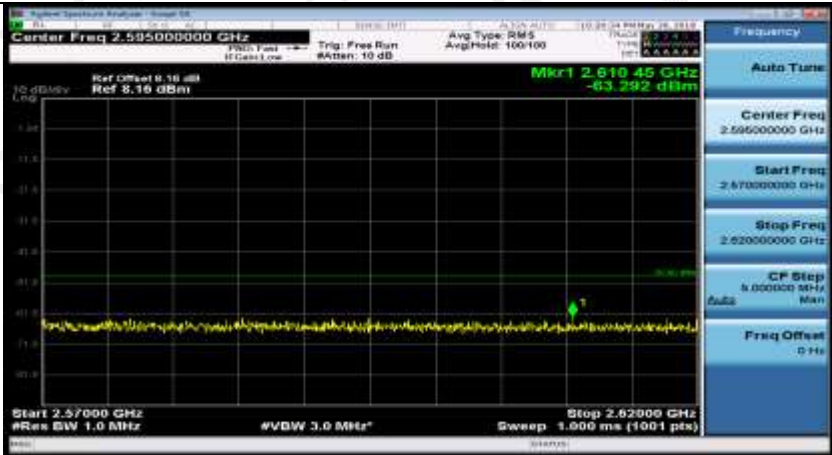
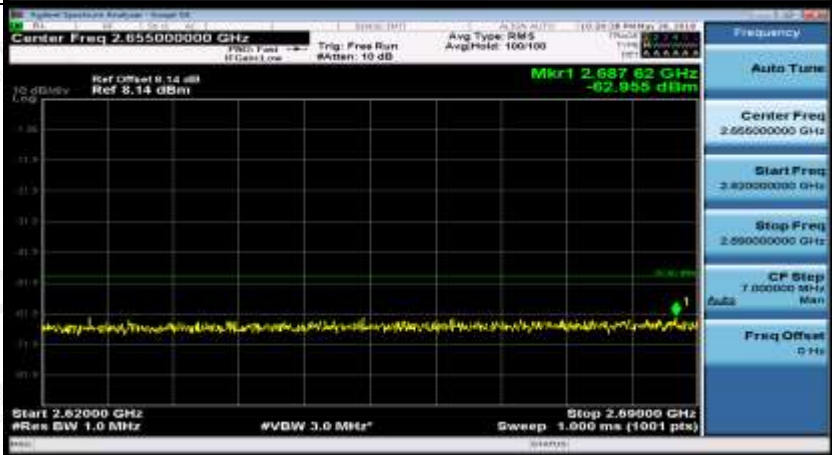
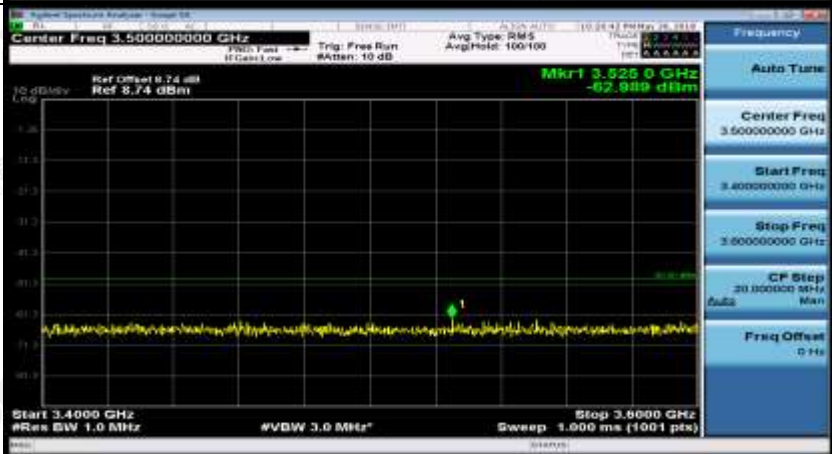
Co-existence	
Co-existence	
Co-existence	

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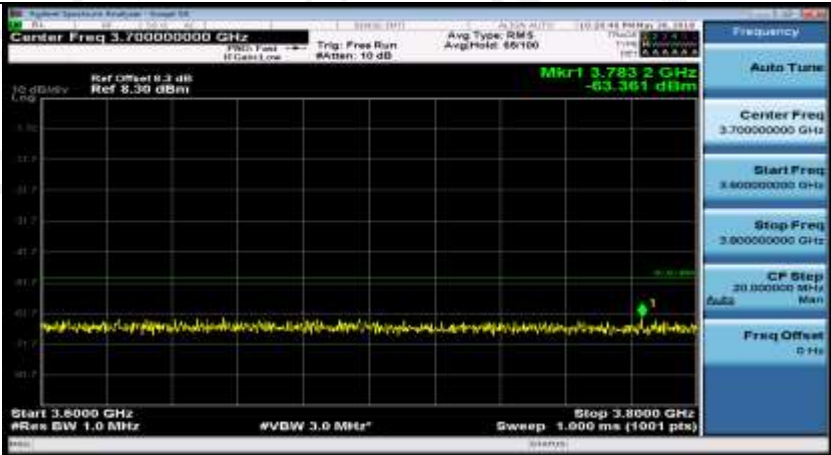
Co-existence	
Co-existence	
Co-existence	

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Co-existence		 <p>Center Freq 2.59500000 GHz Ref Offset 0.10 dBm Ref 8.16 dBm Mkr1 2.61045 GHz -63.292 dBm Start 2.57000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 2.65500000 GHz Ref Offset 0.10 dBm Ref 8.14 dBm Mkr1 2.68762 GHz -62.955 dBm Start 2.62000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 3.50000000 GHz Ref Offset 0.74 dBm Ref 8.74 dBm Mkr1 3.5250 GHz -62.930 dBm Start 3.4000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p>	

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Co-existence	
Additional	NA

**Channel Bandwidth= (5 MHz)**

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


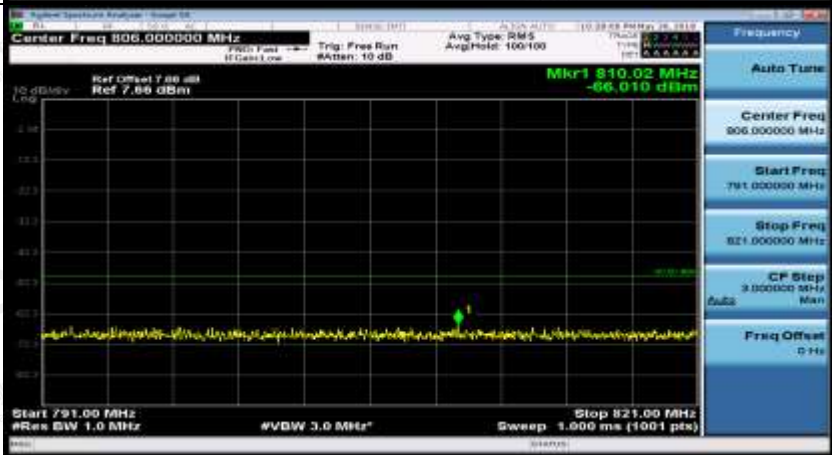
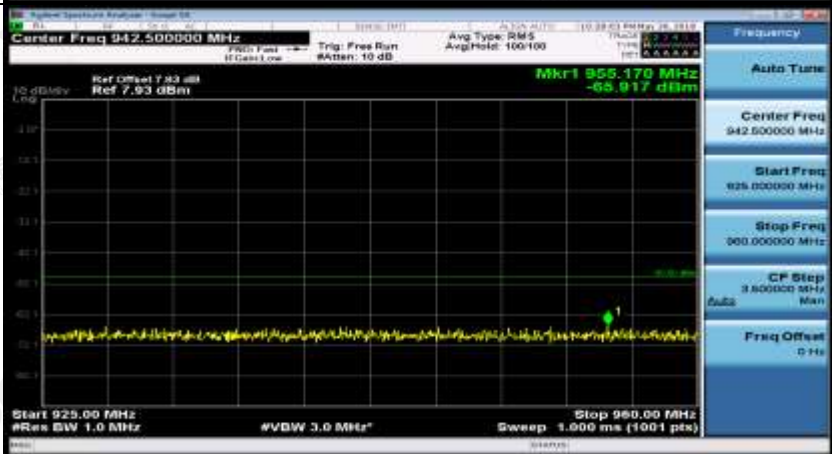
General	
General	

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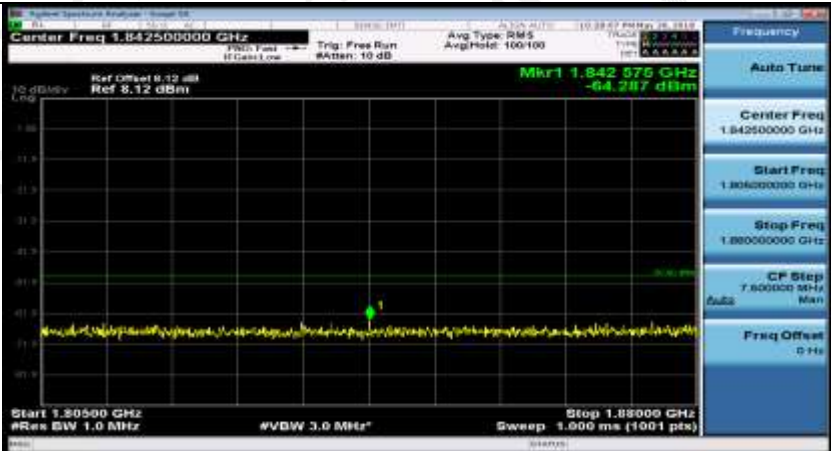
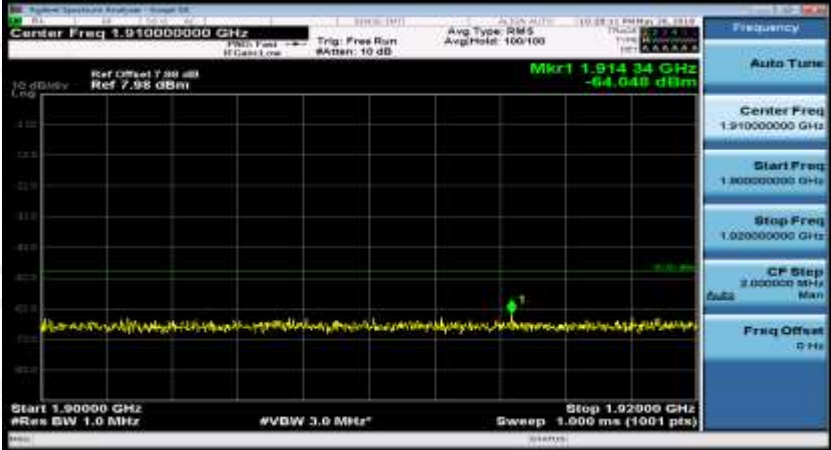
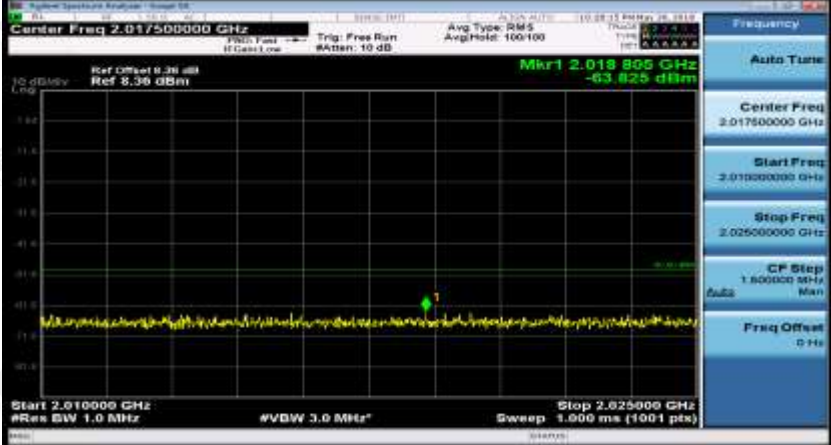
General			
General			
General			

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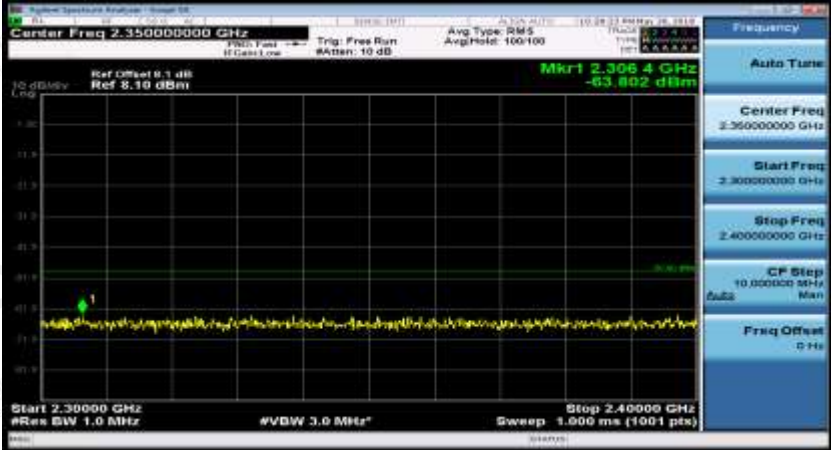
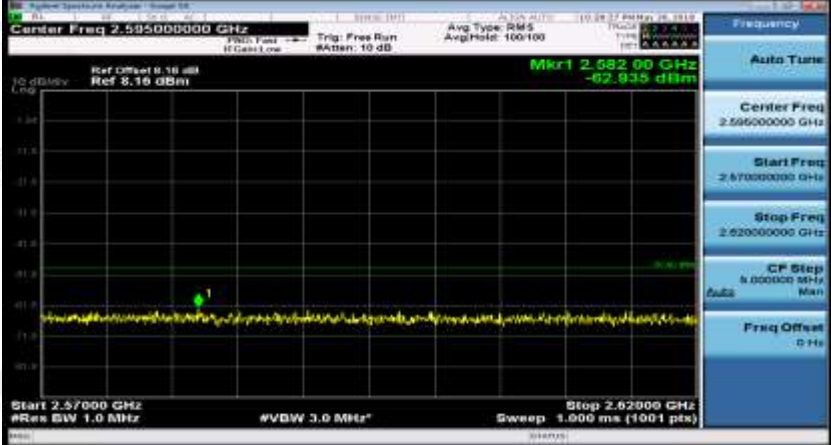
General			
Co-existence			
Co-existence			

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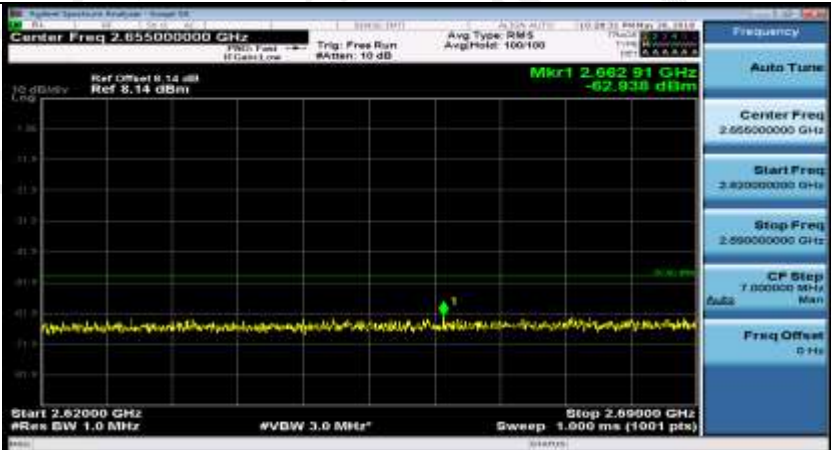
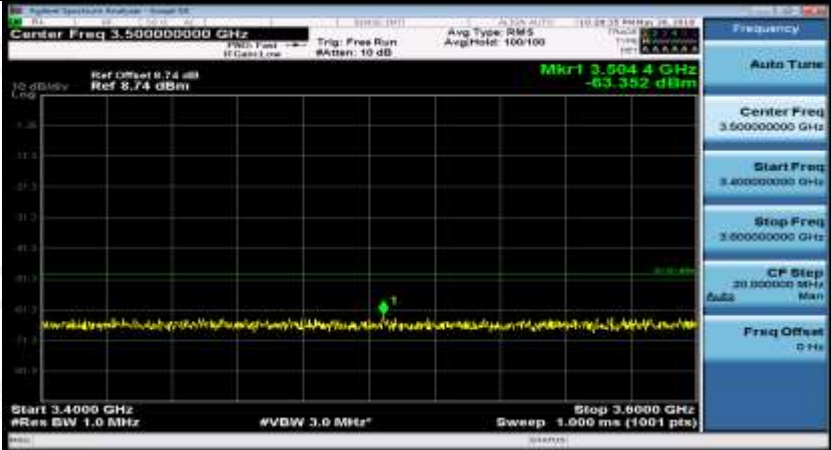
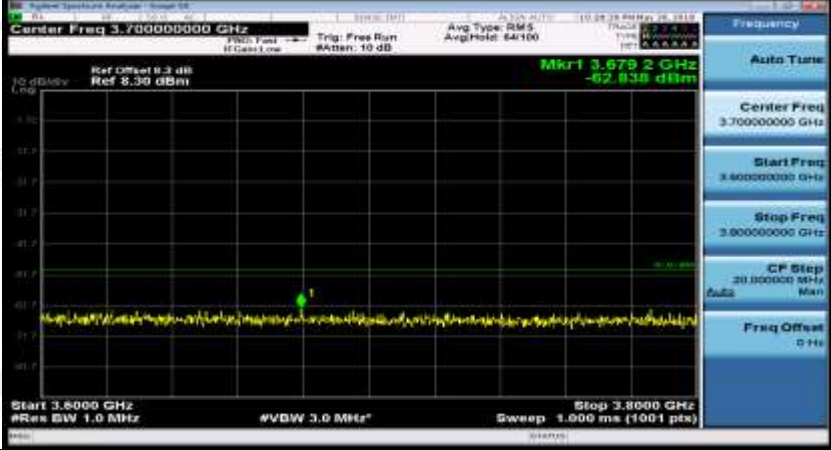
Co-existence	
Co-existence	
Co-existence	

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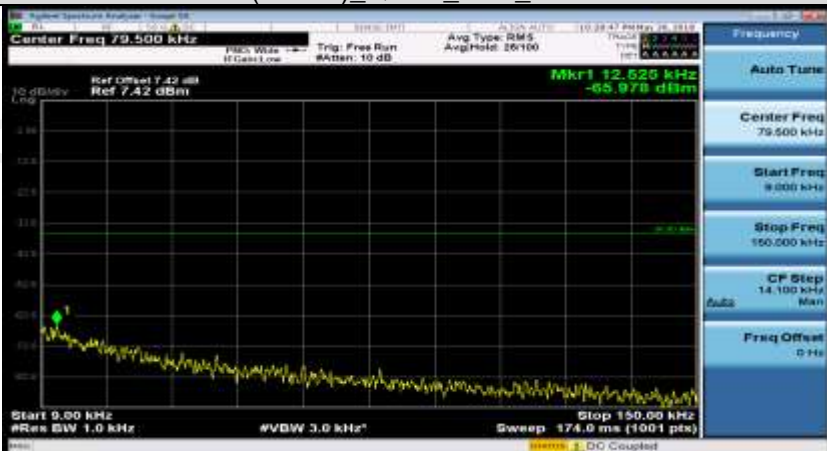
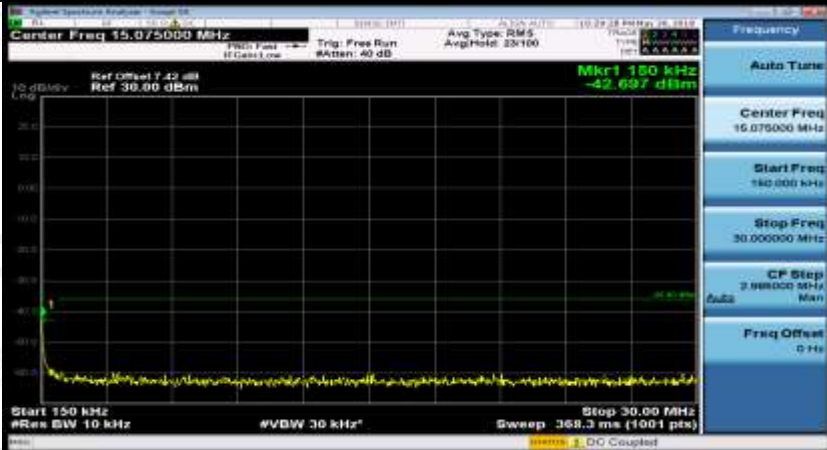
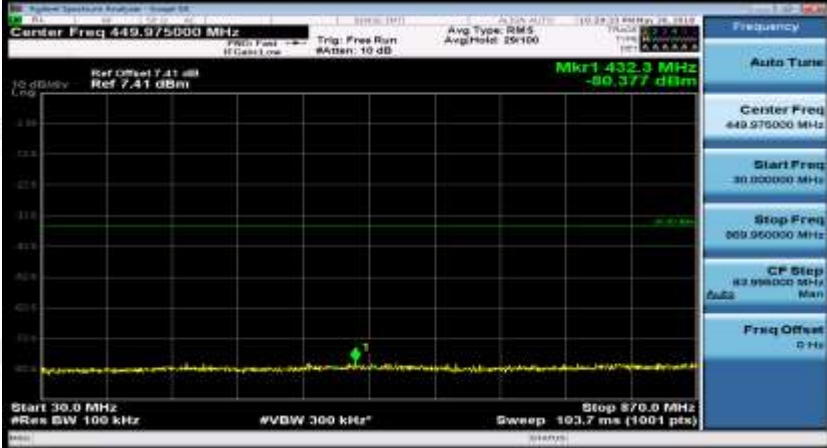
Co-existence		
Co-existence		
Co-existence		

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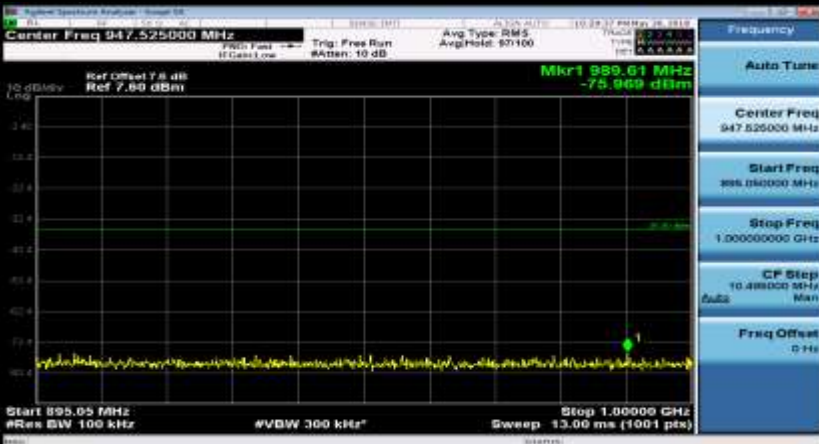
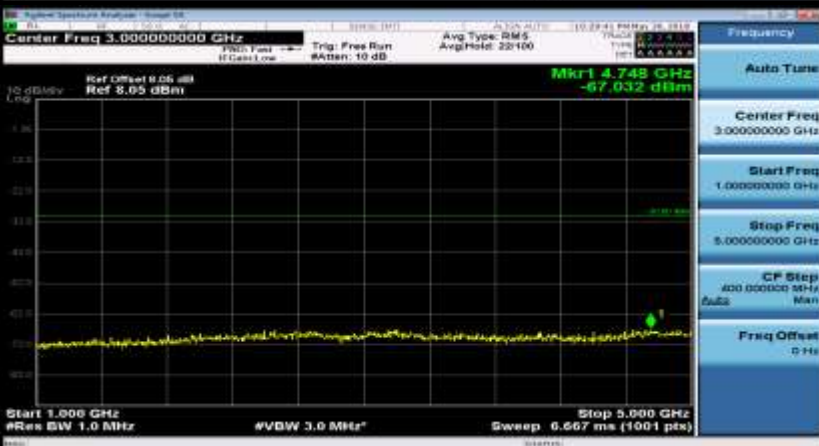
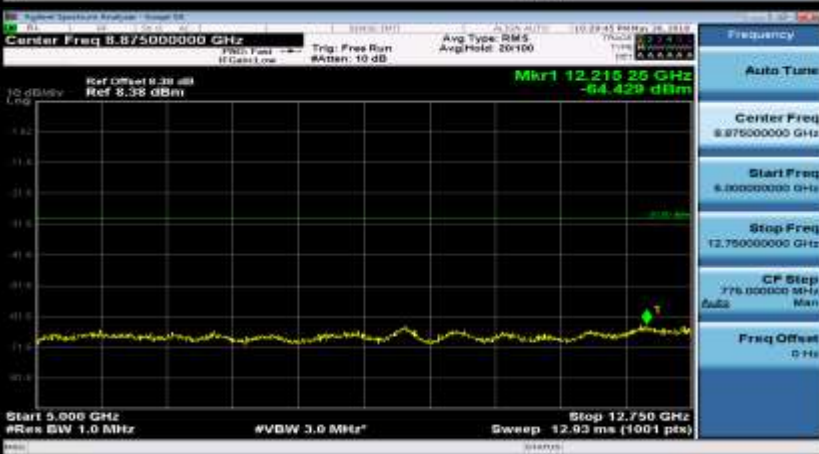
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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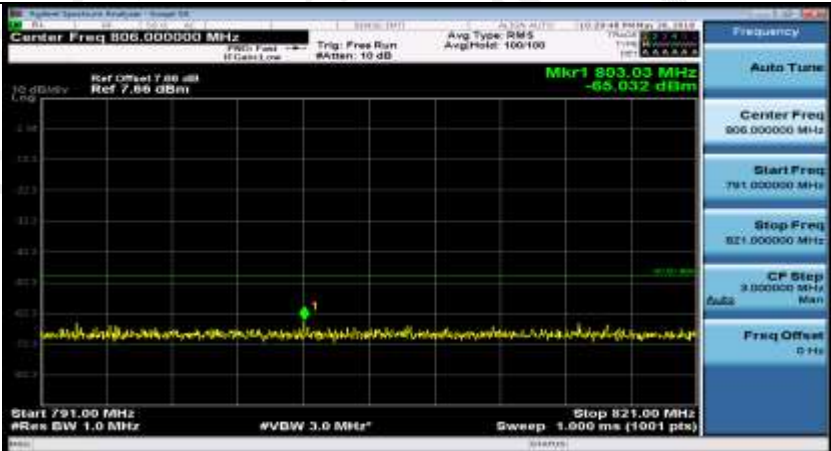
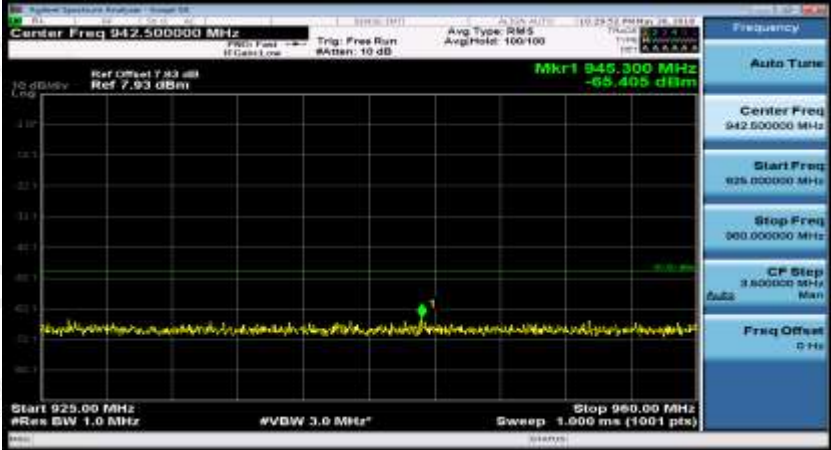
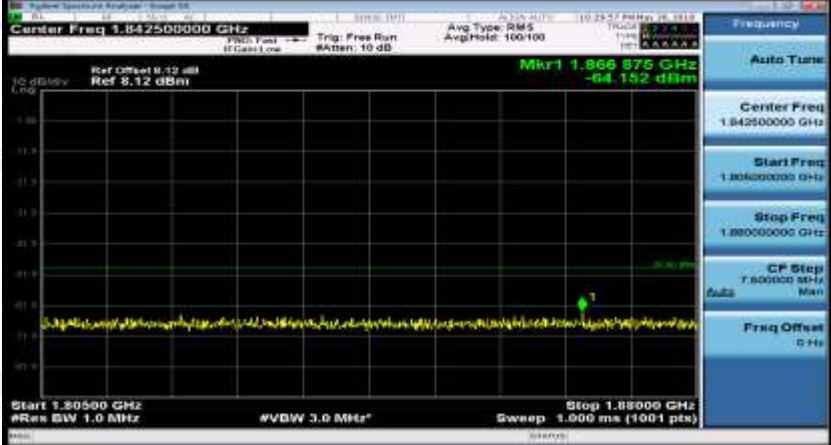
Channel Bandwidth= (5 MHz)_QPSK_LCH_1RB#max		
General		
General		
General		

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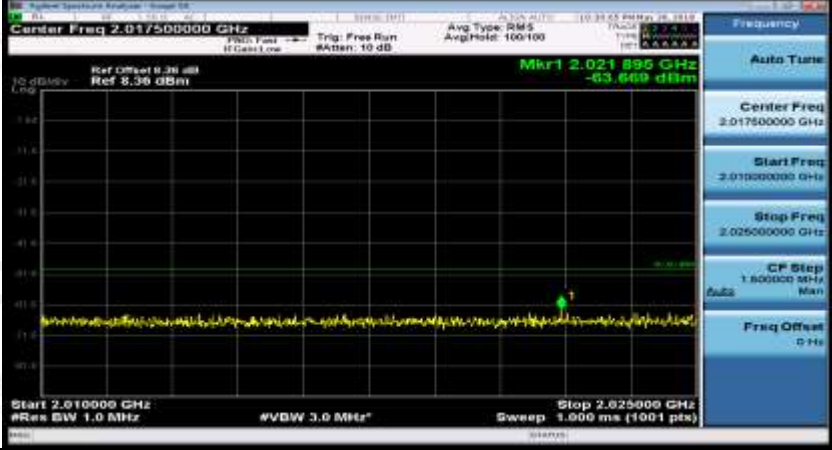
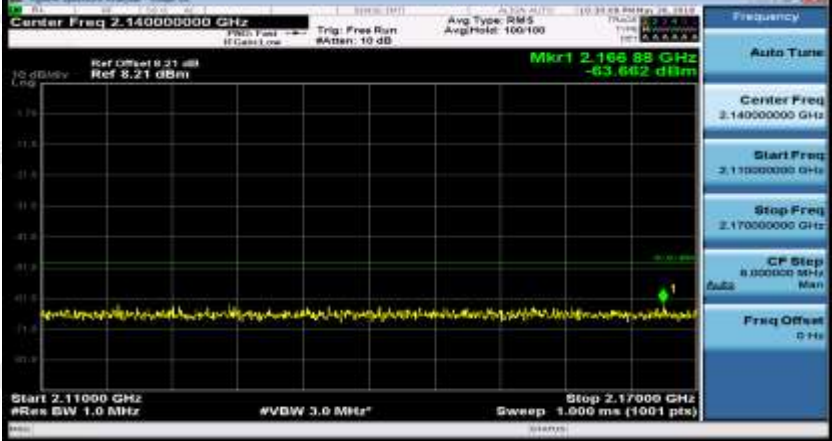
General			
General			
General			

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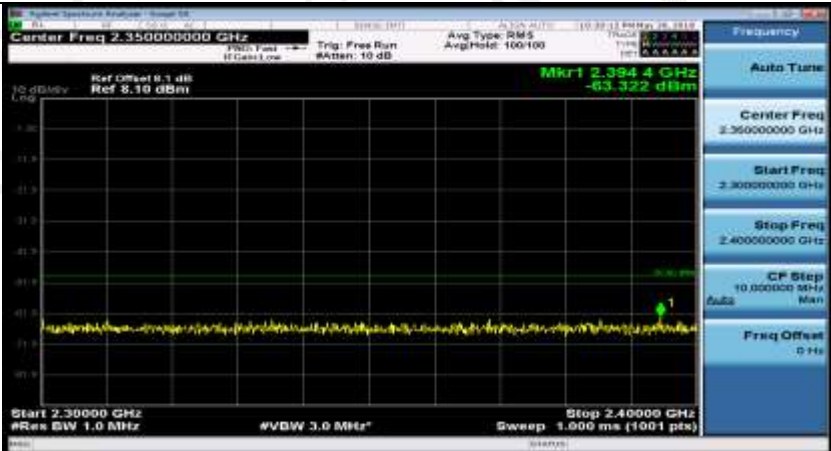
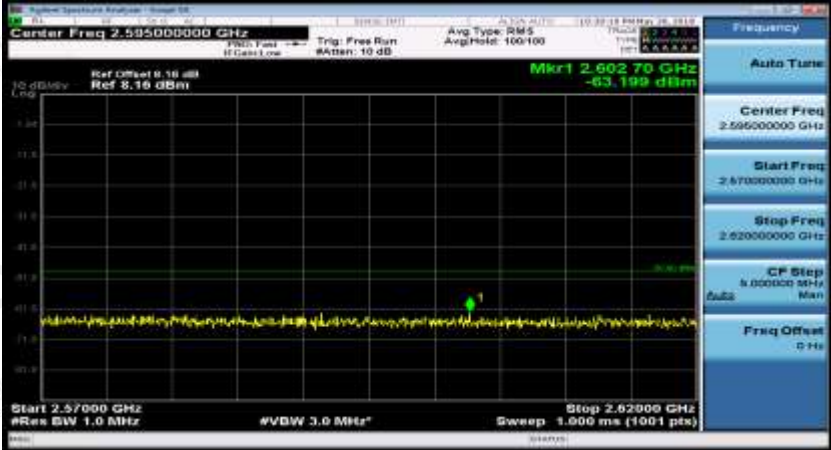
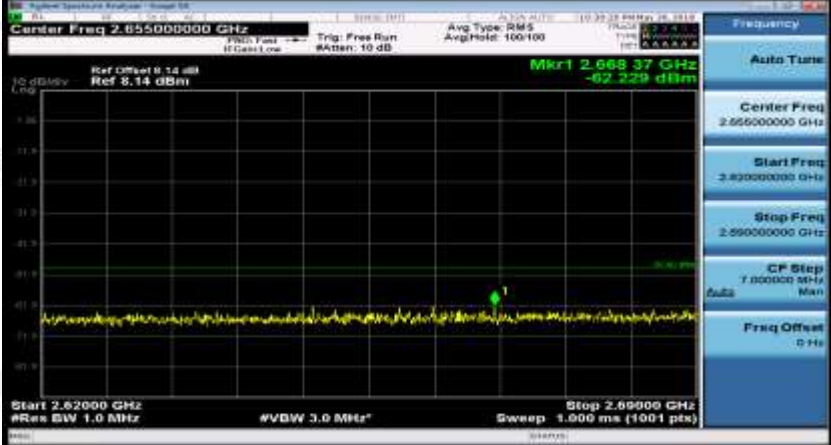
Co-existence	
Co-existence	
Co-existence	

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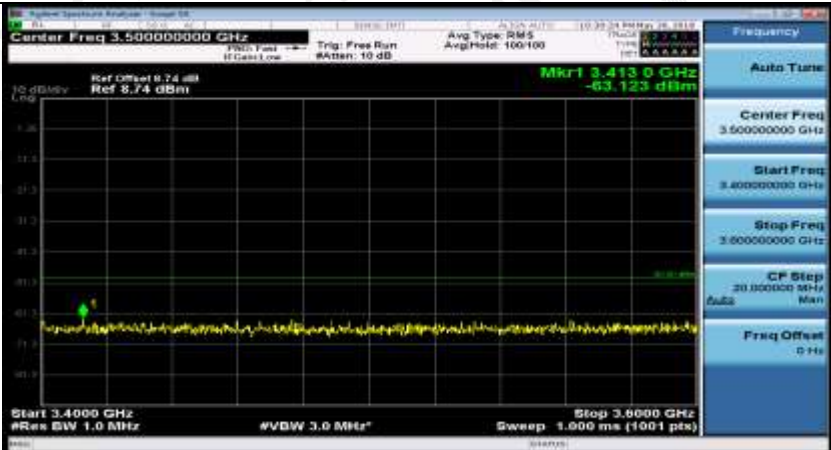
Co-existence	
Co-existence	
Co-existence	


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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA



Channel Bandwidth= (5 MHz)_QPSK_LCH_FullRB#0	
General	

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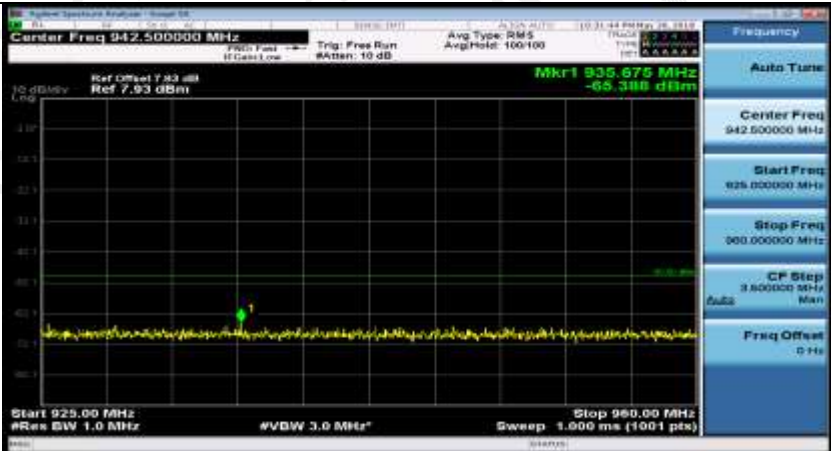
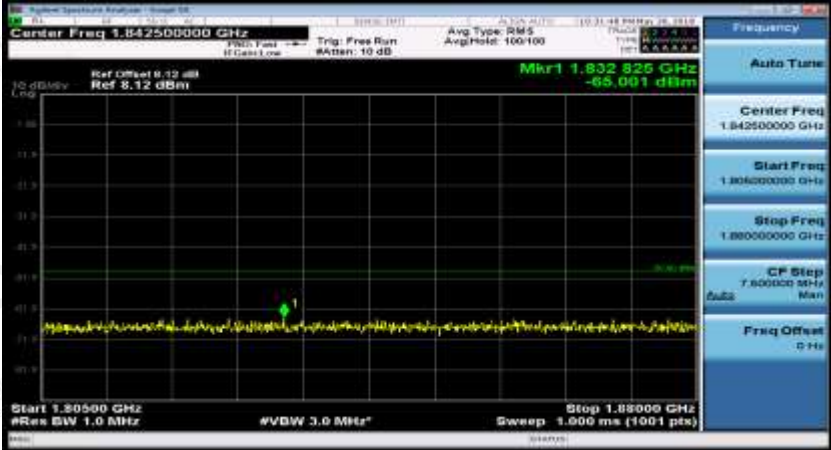
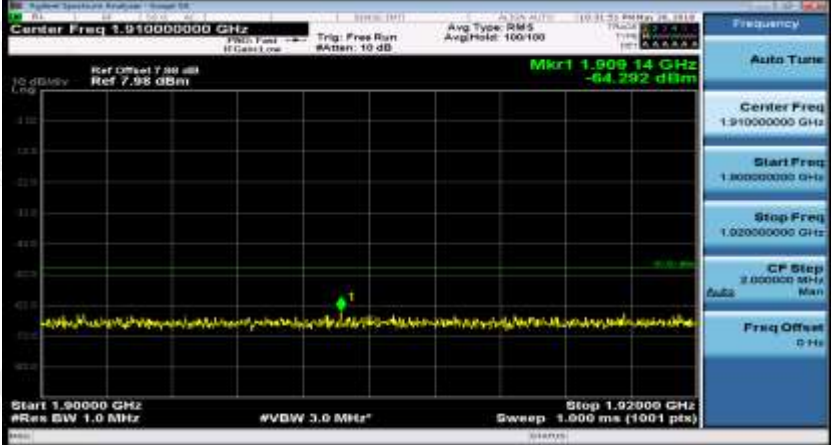
General			
General			
General			

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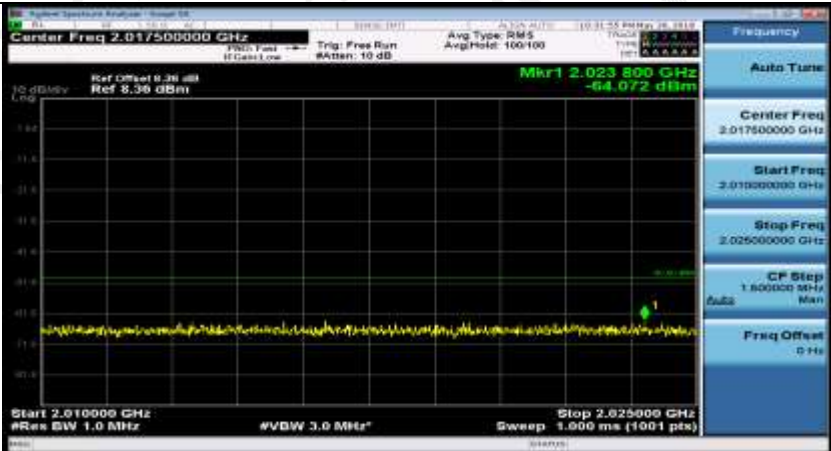
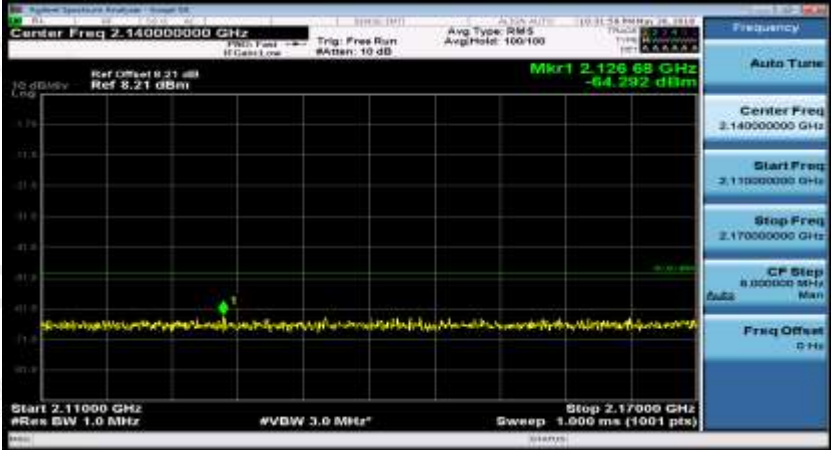
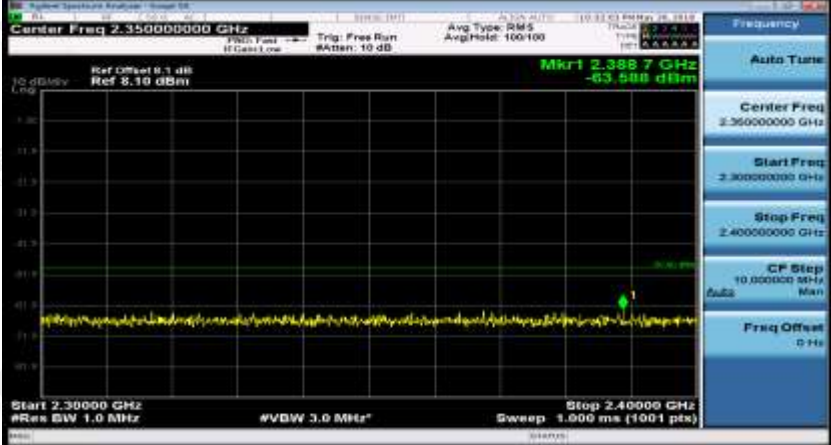
General			
General			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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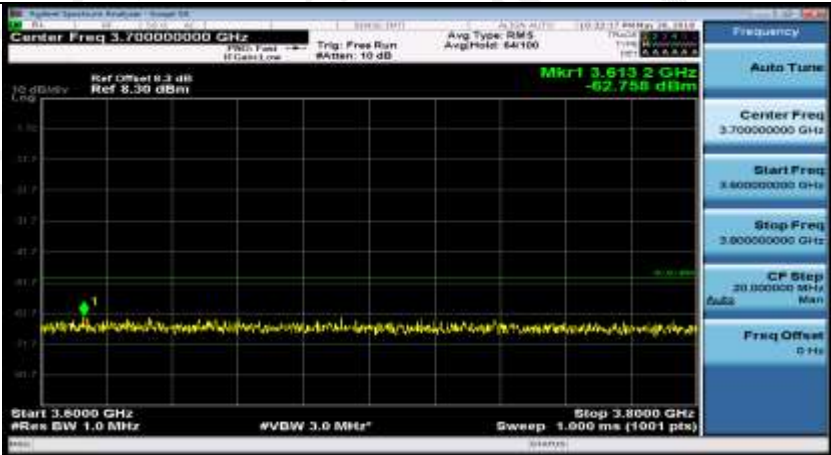
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	
General	

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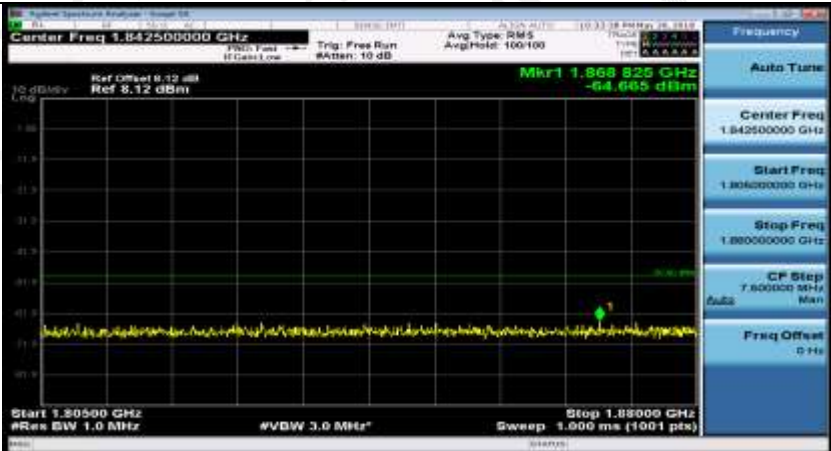
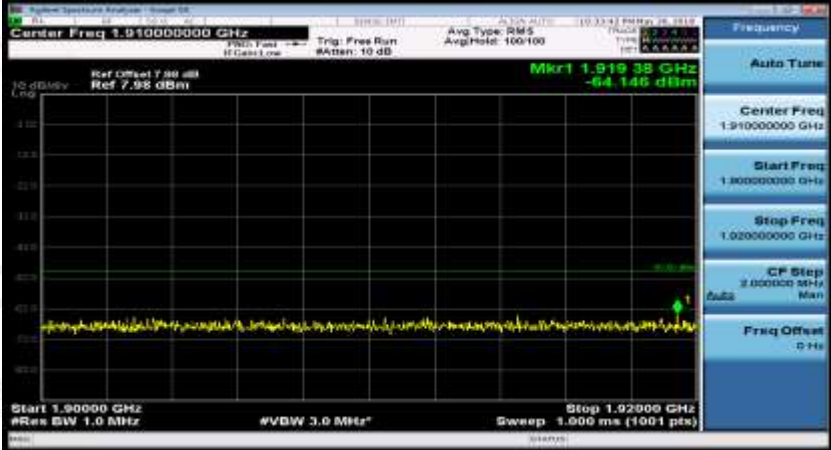
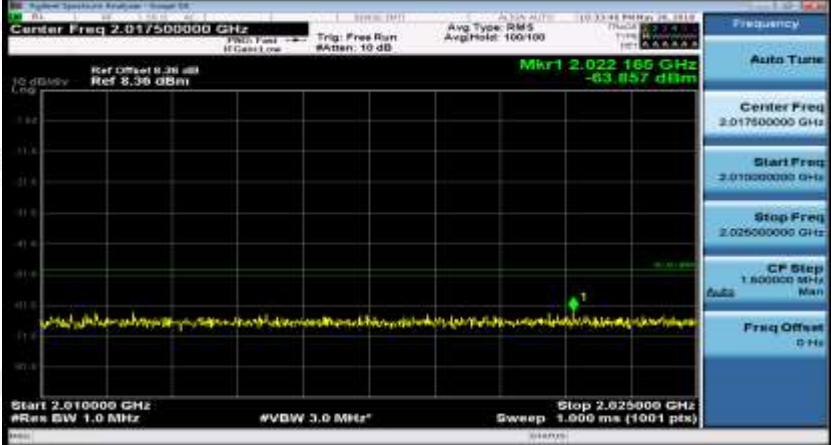
General			
General			
General			

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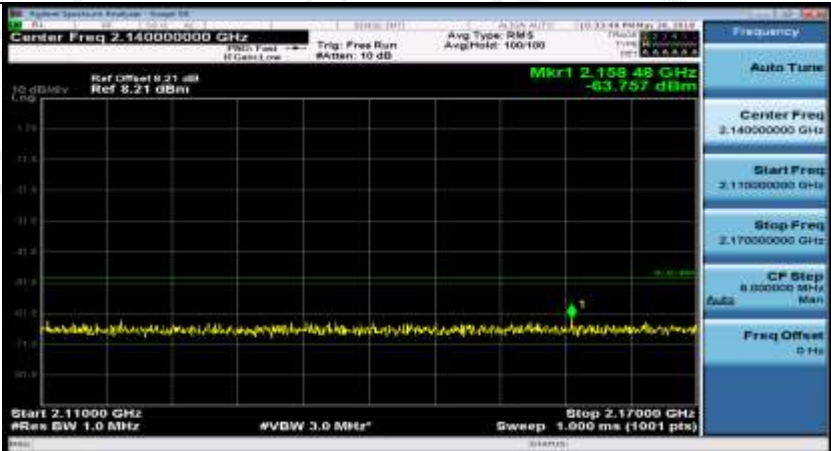
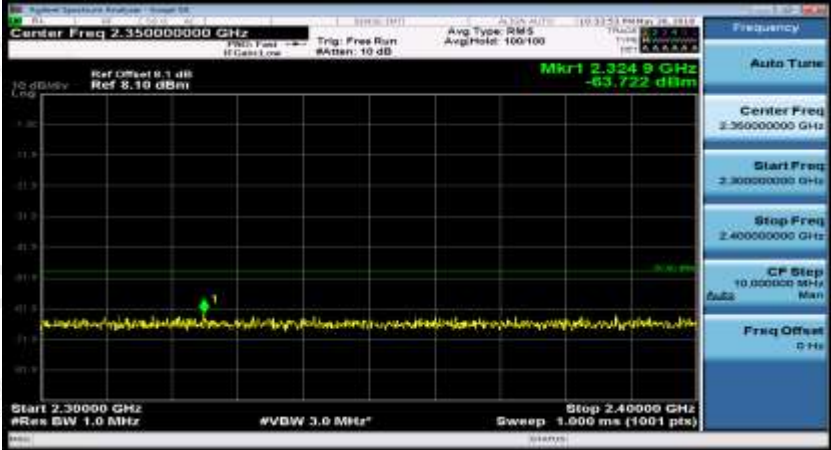
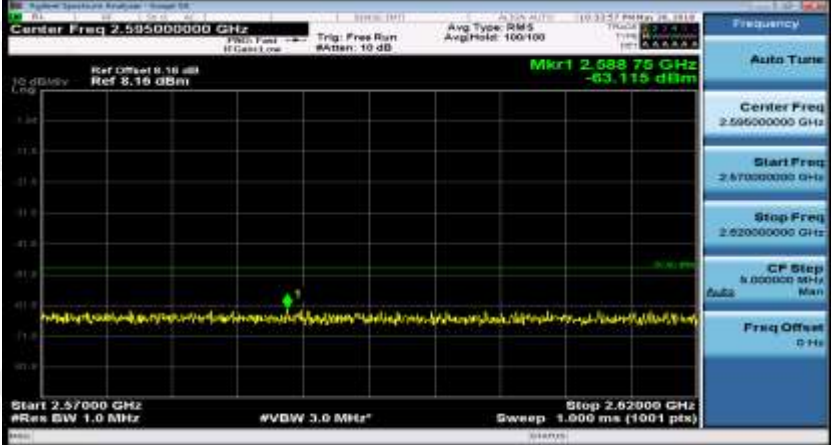
General			
Co-existence			
Co-existence			

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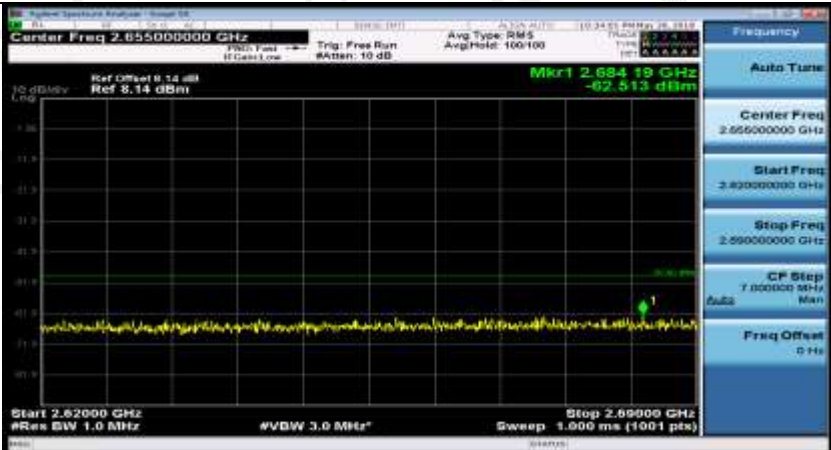
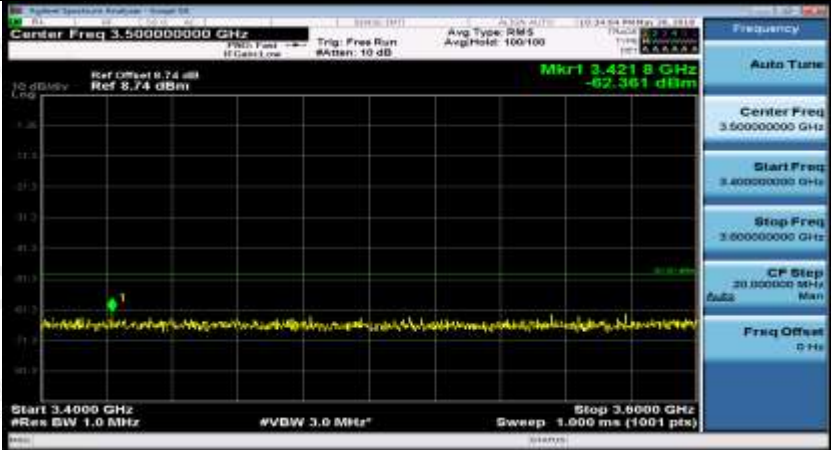
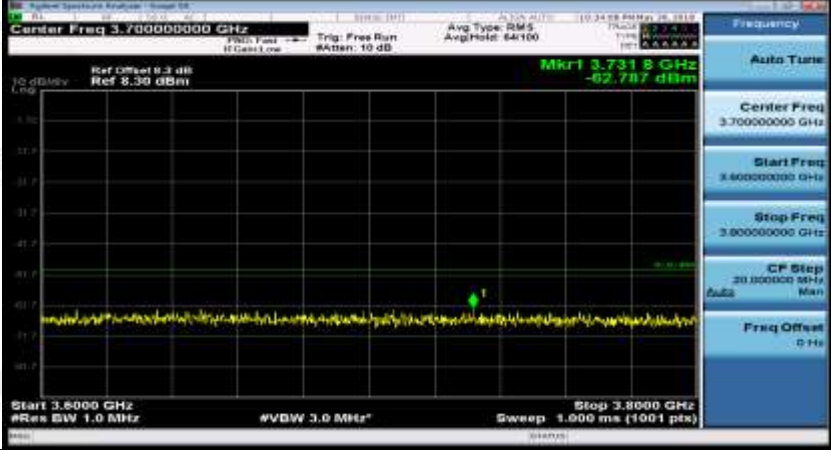
Co-existence	
Co-existence	
Co-existence	

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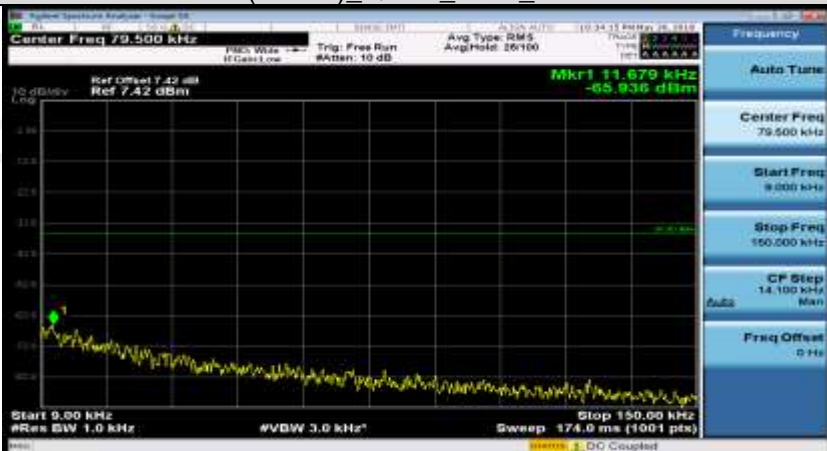

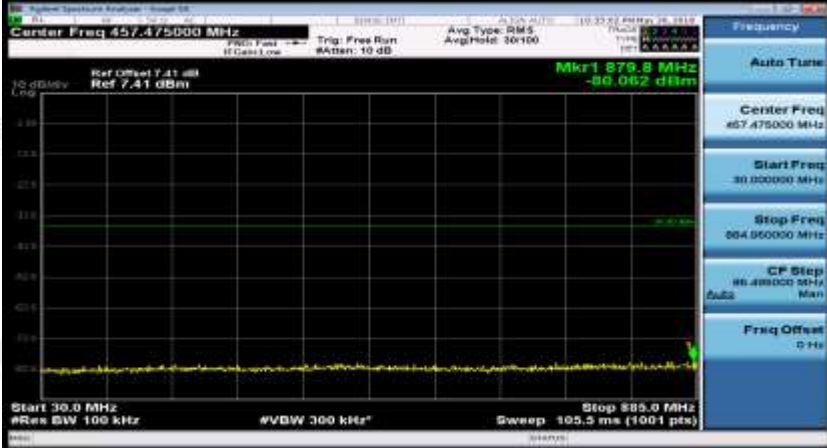
Co-existence	
Co-existence	
Co-existence	

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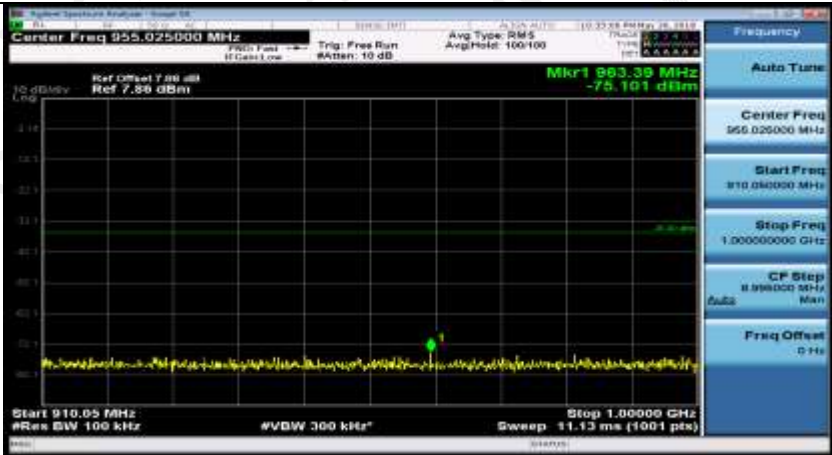

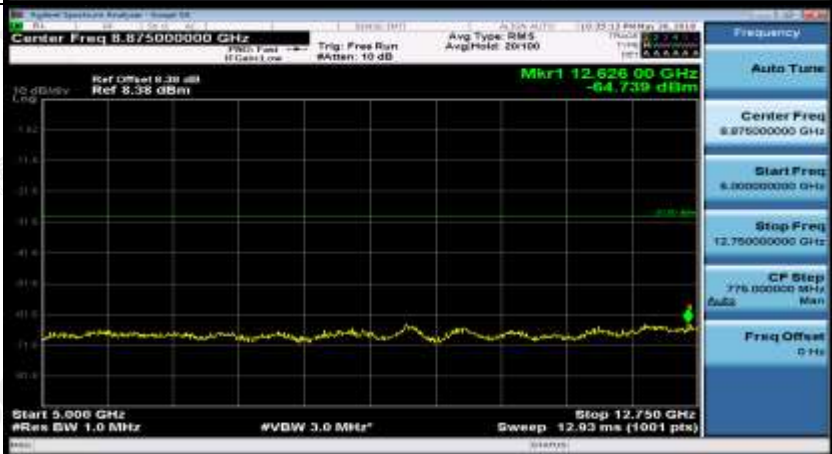
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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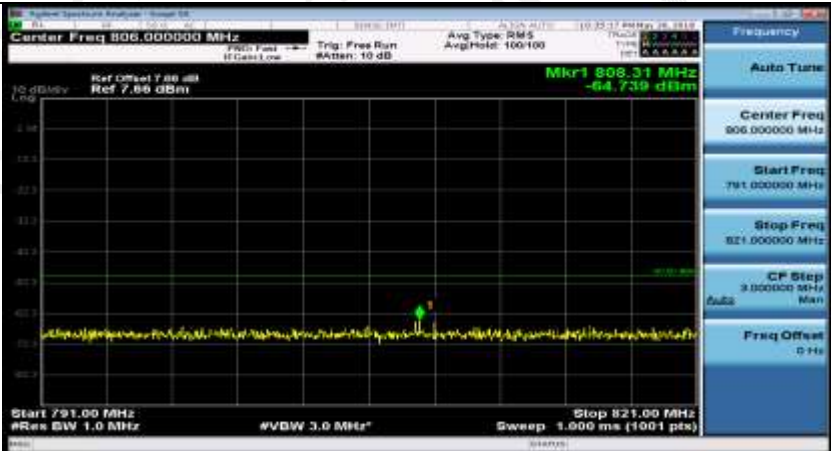
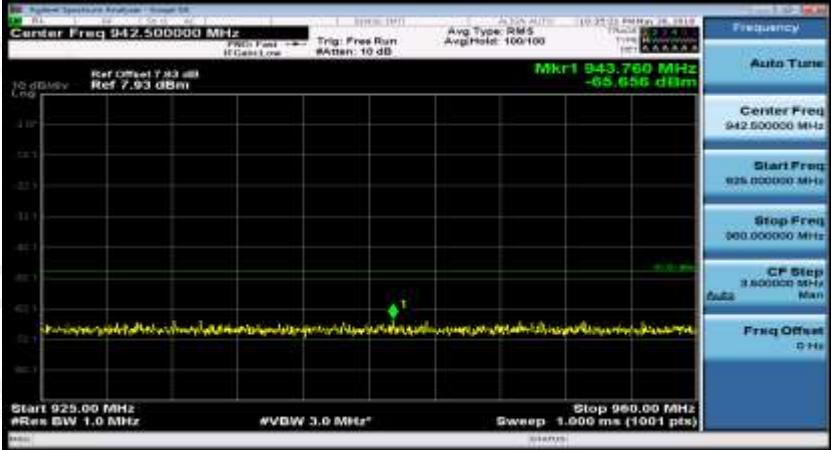
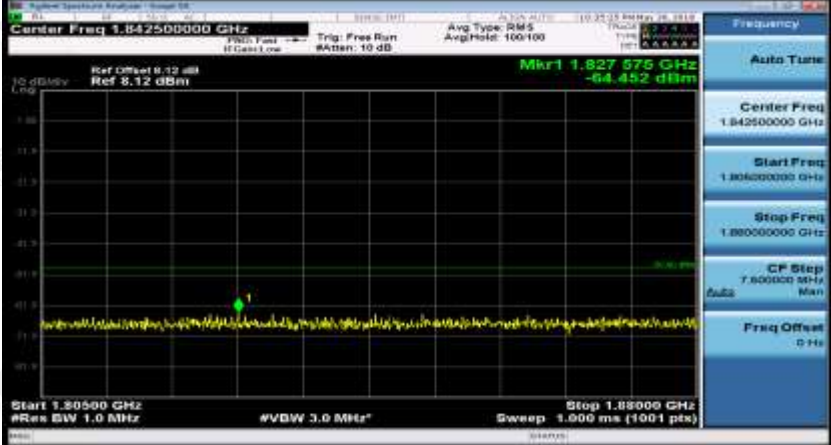
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#max		
General		
General		
General		

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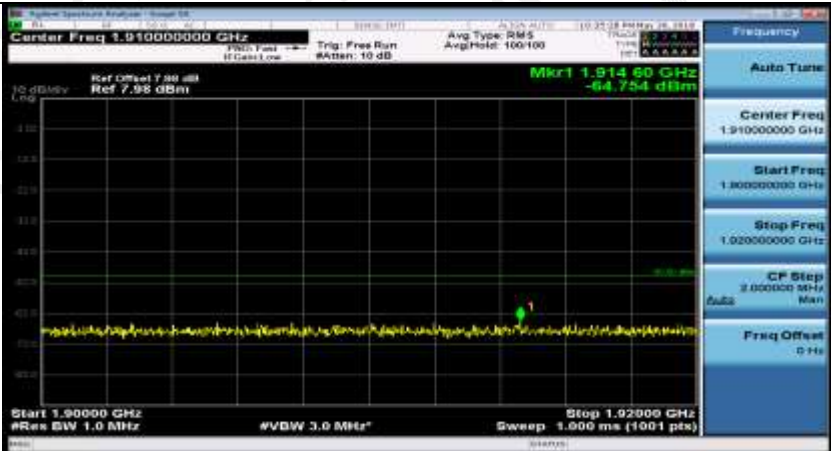
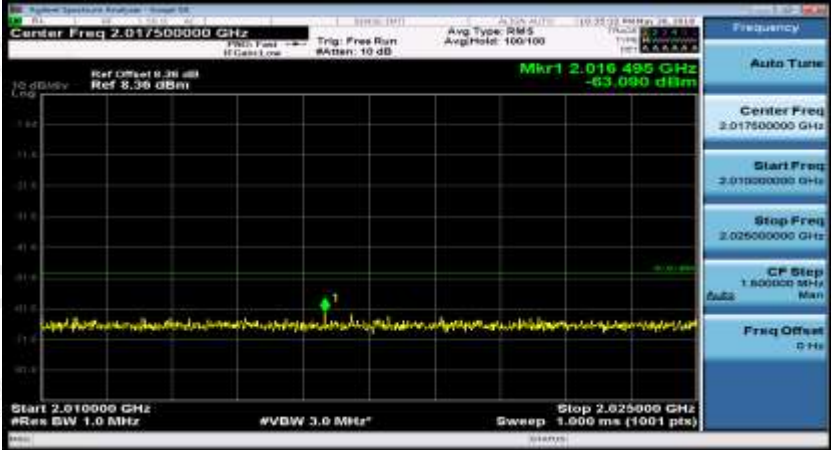
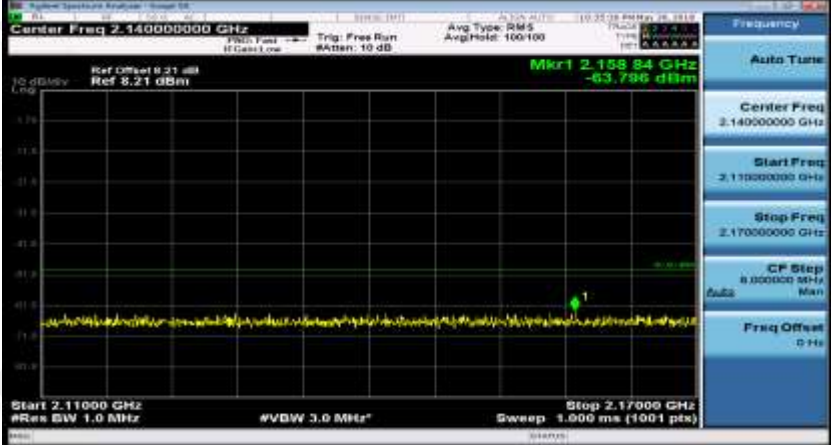
General			
General			
General			

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

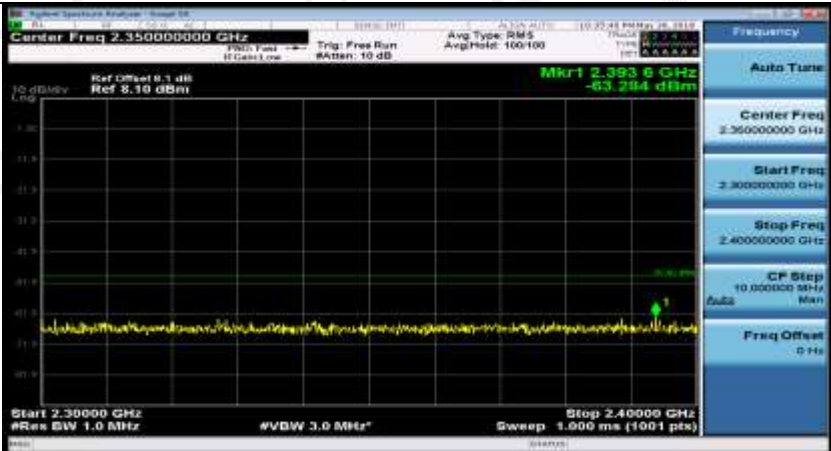
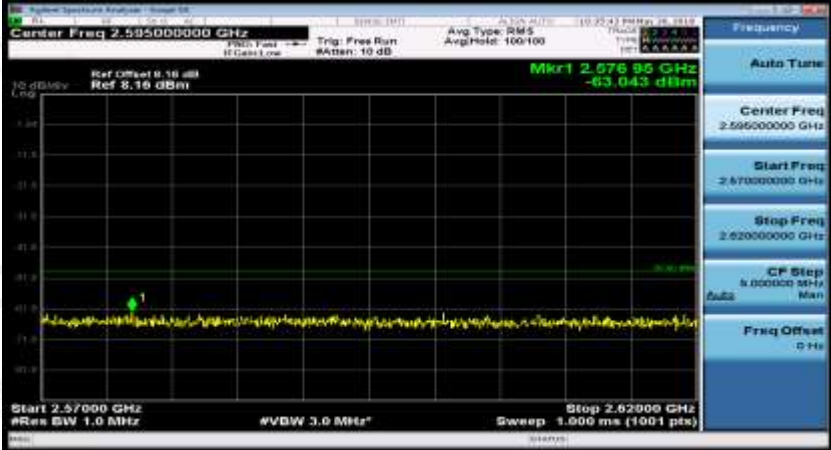
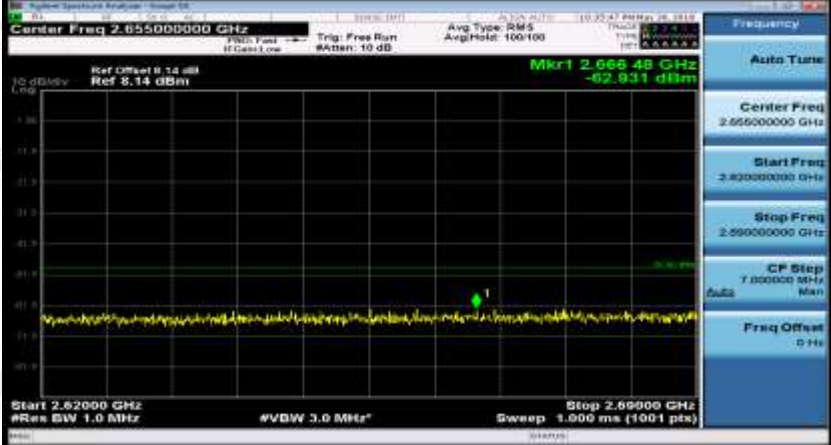
Co-existence	
Co-existence	
Co-existence	

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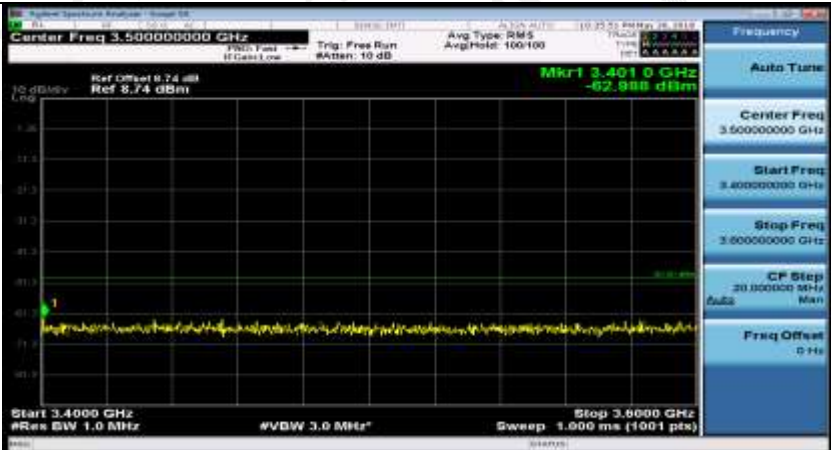
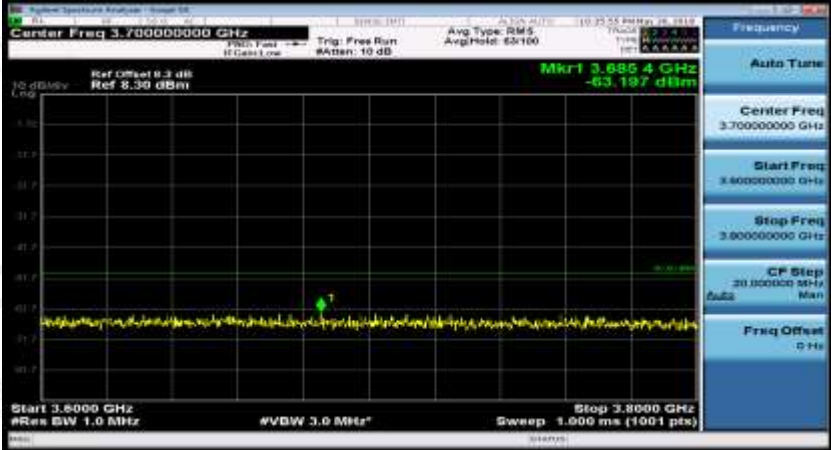
Co-existence	
Co-existence	
Co-existence	


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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

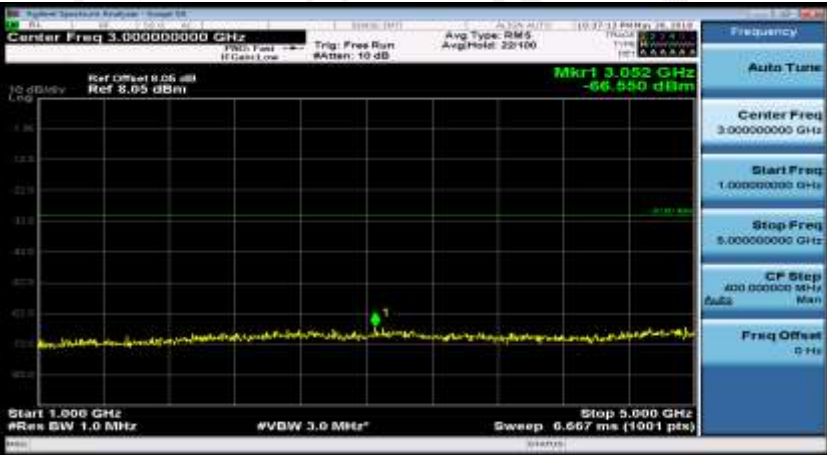
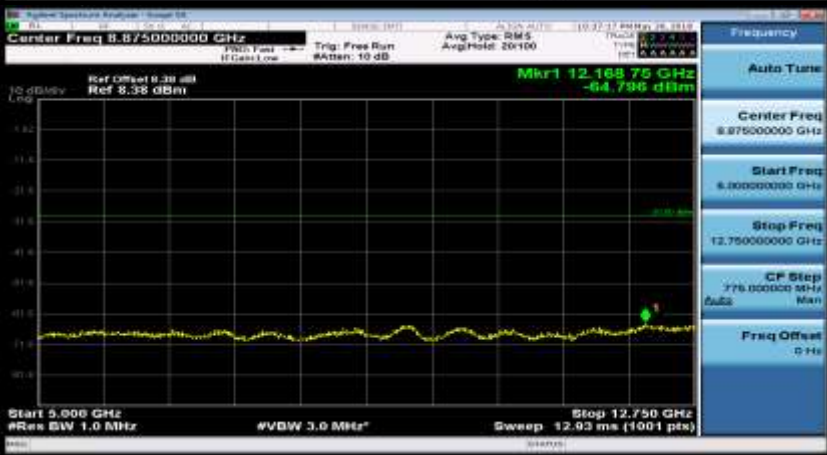
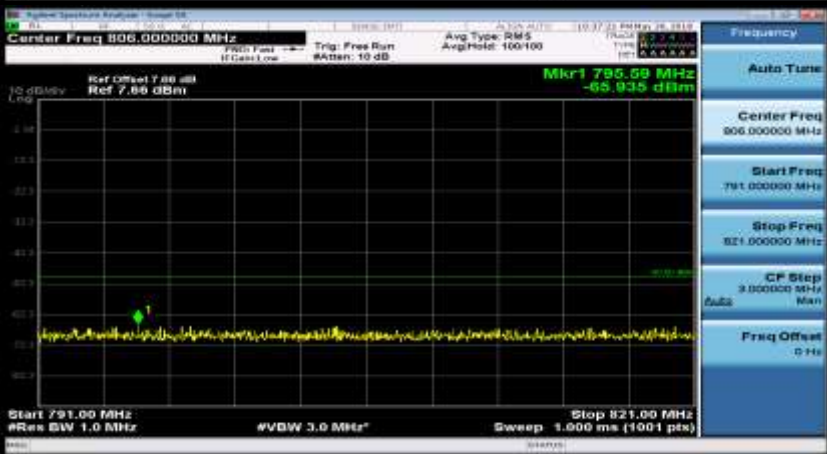
Channel Bandwidth= (5 MHz)_QPSK_MCH_FullIRB#0	
General	

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

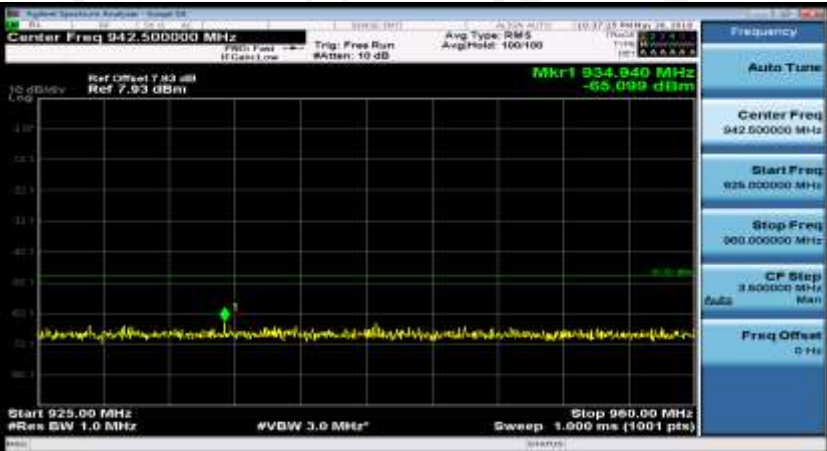
General	
General	
General	

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



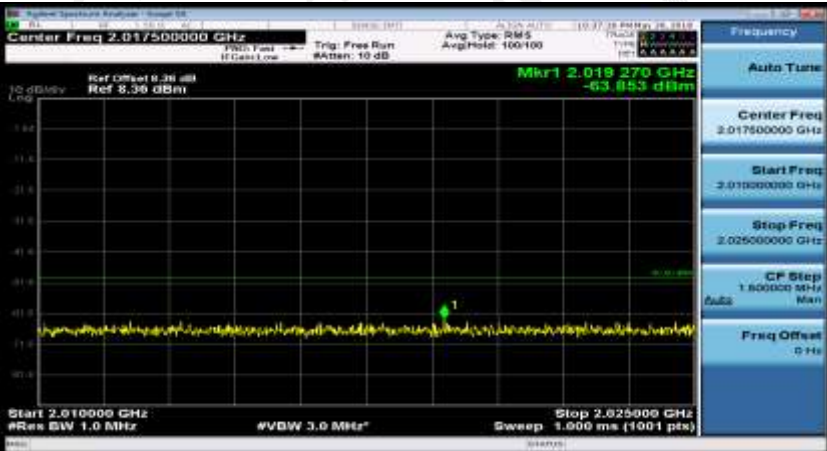
General		
General		
Co-existence		

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC; this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Co-existence	

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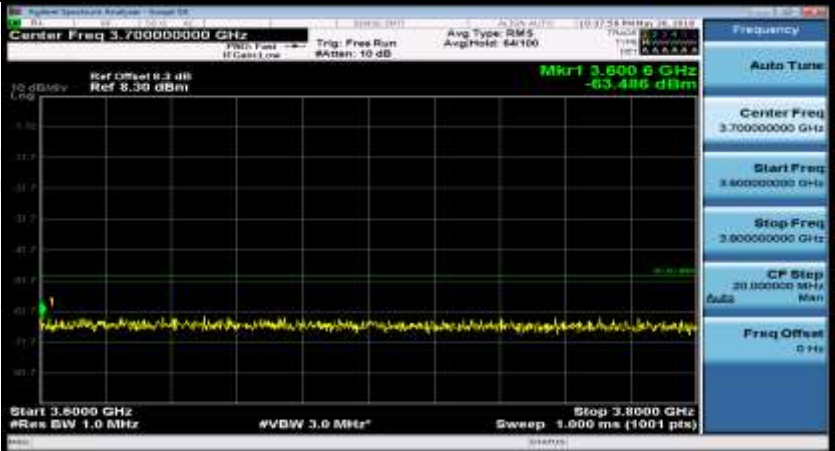
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

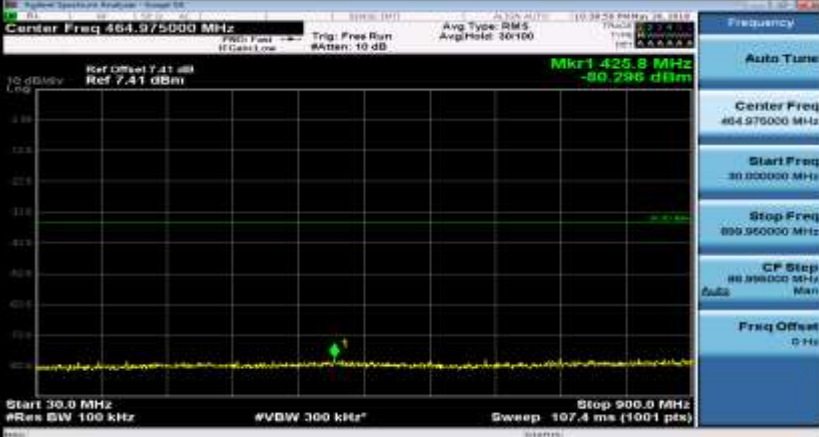
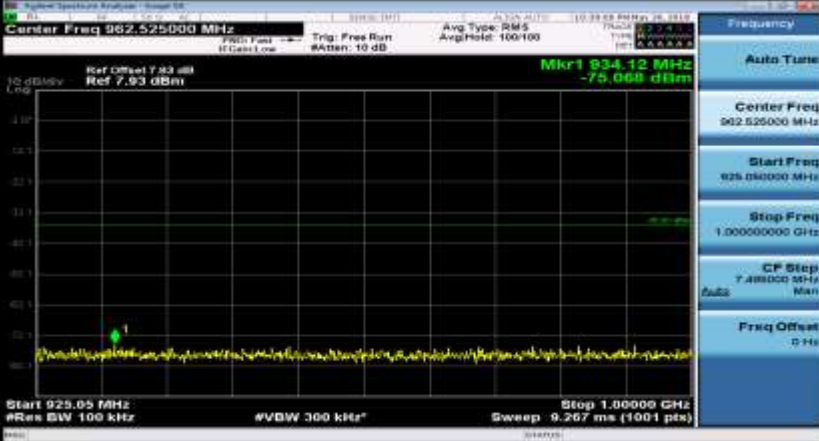
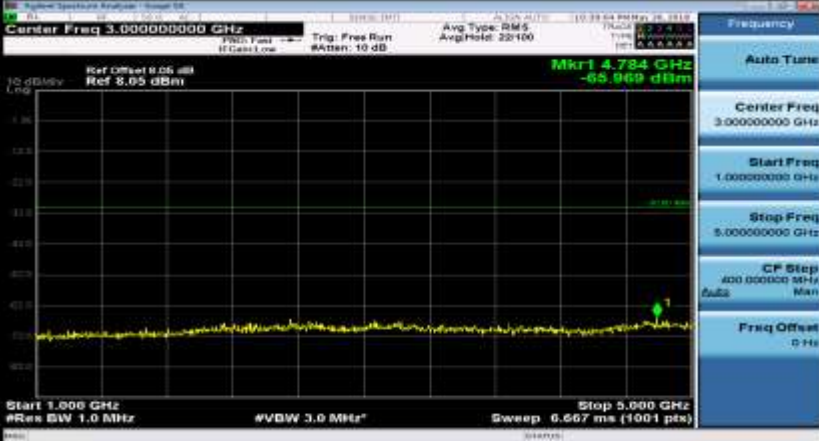
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Additional	NA


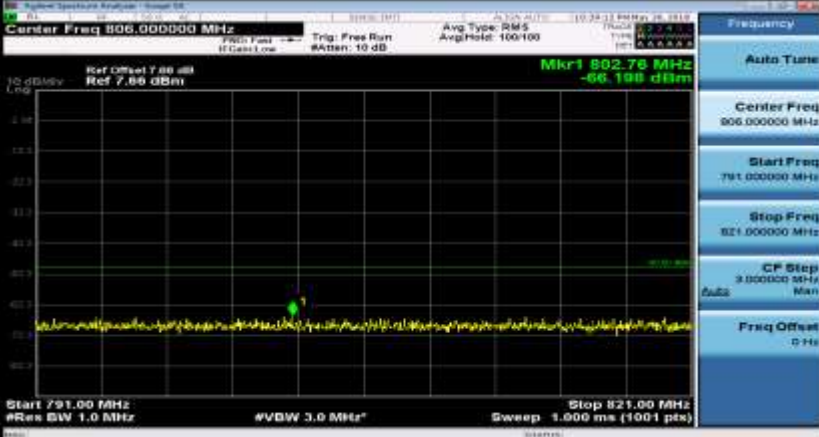
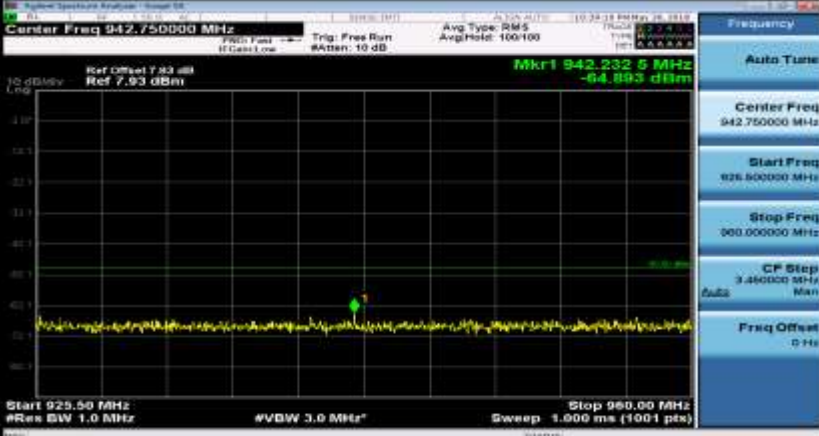
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	
General	

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

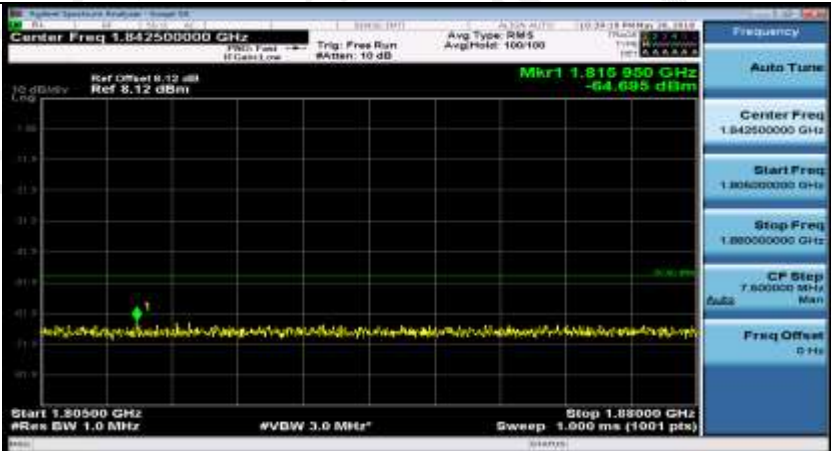
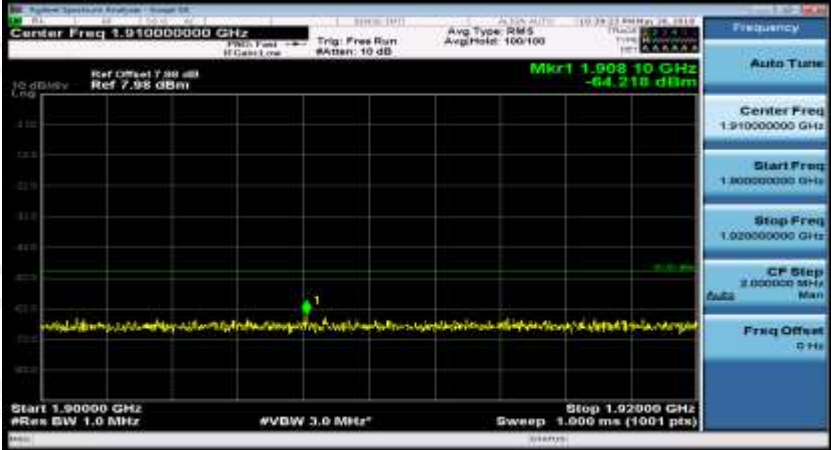
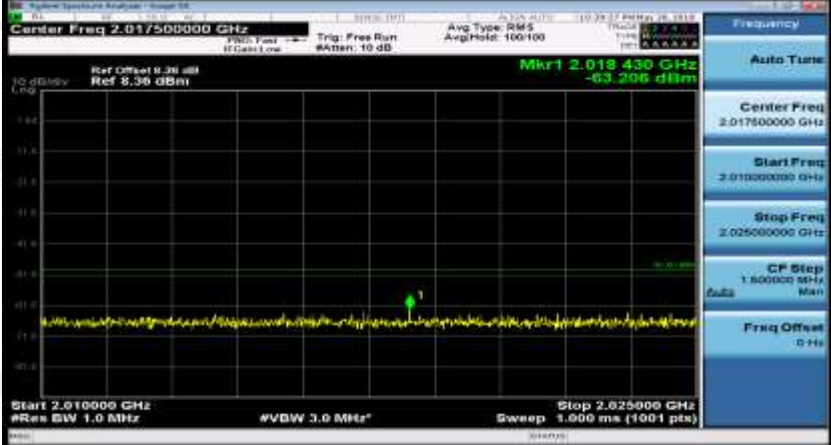
General			
General			
General			

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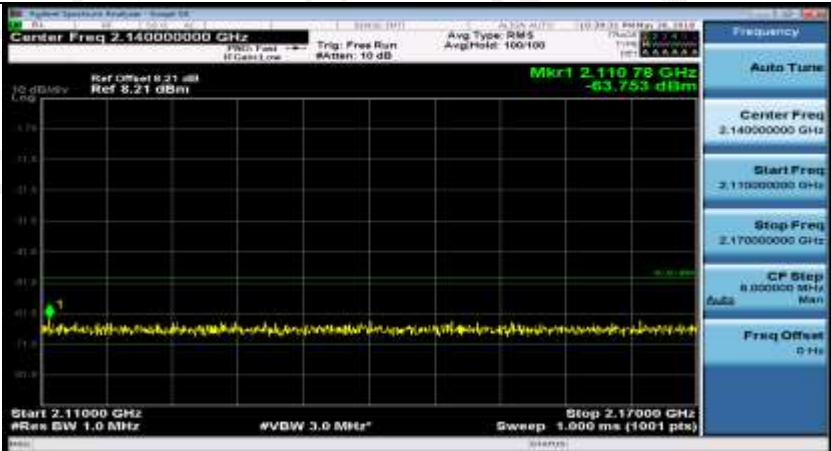

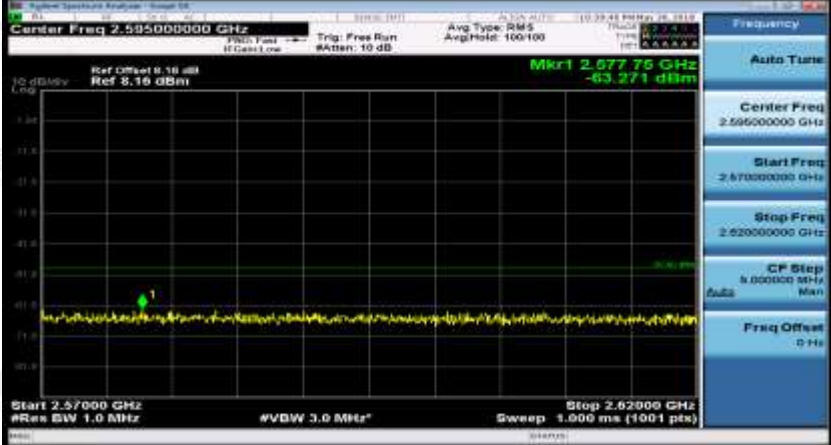
General			
Co-existence			
Co-existence			

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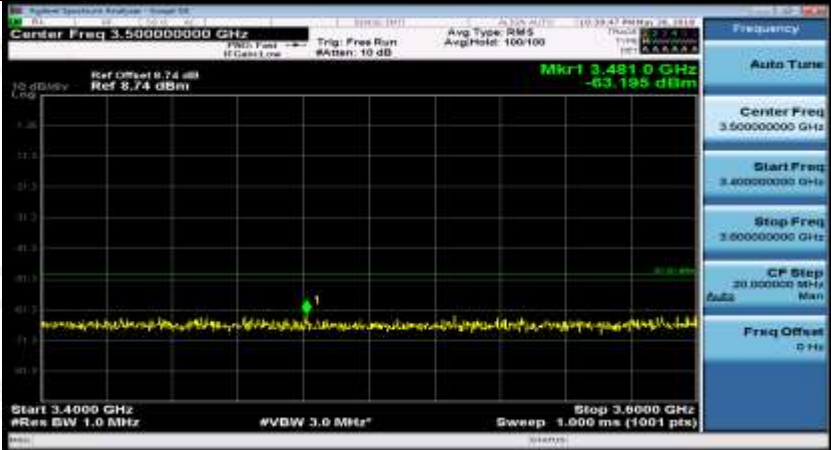
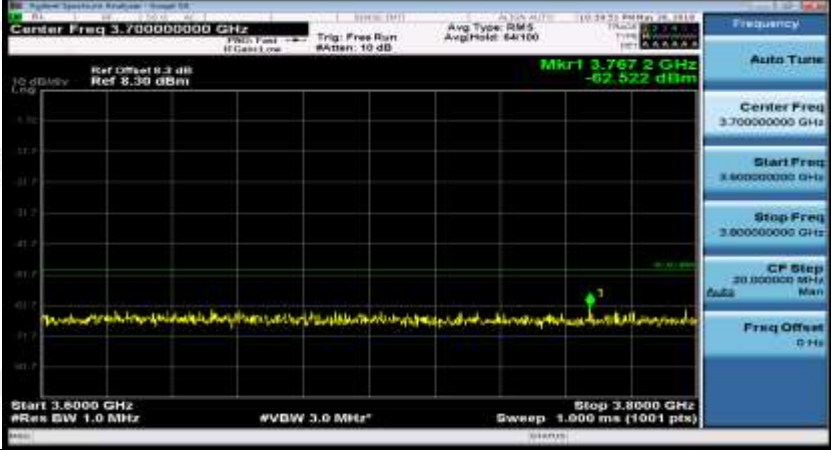
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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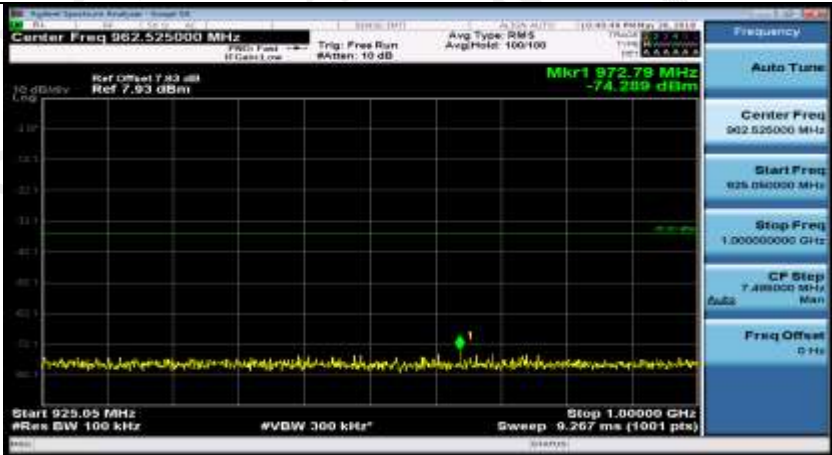
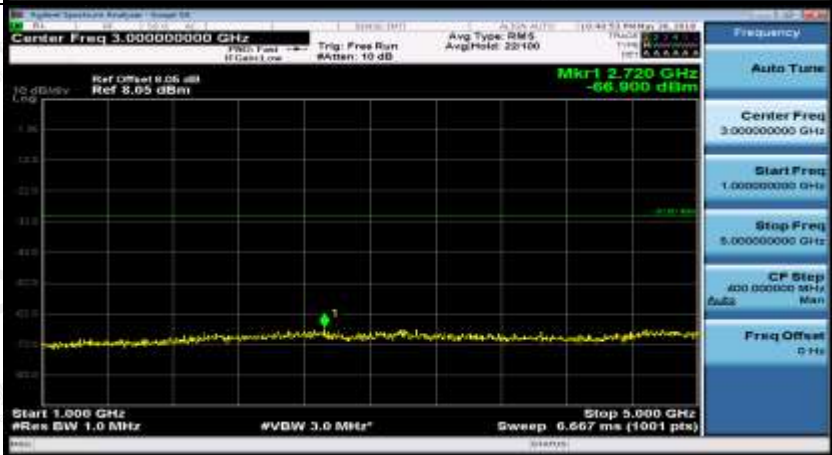
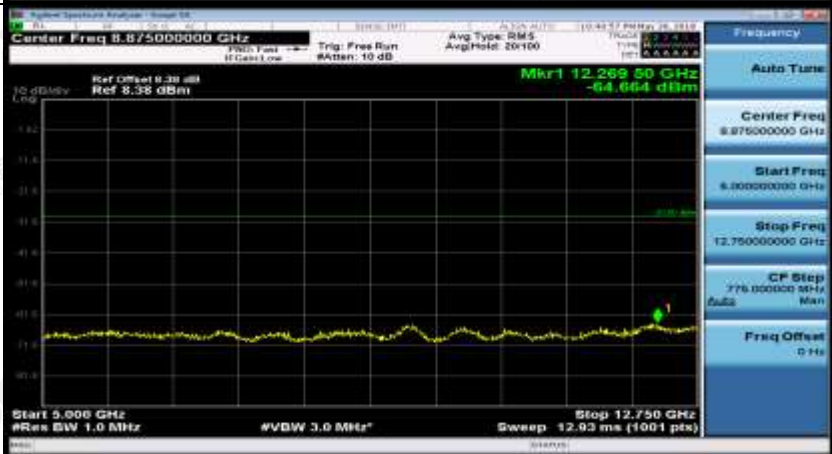
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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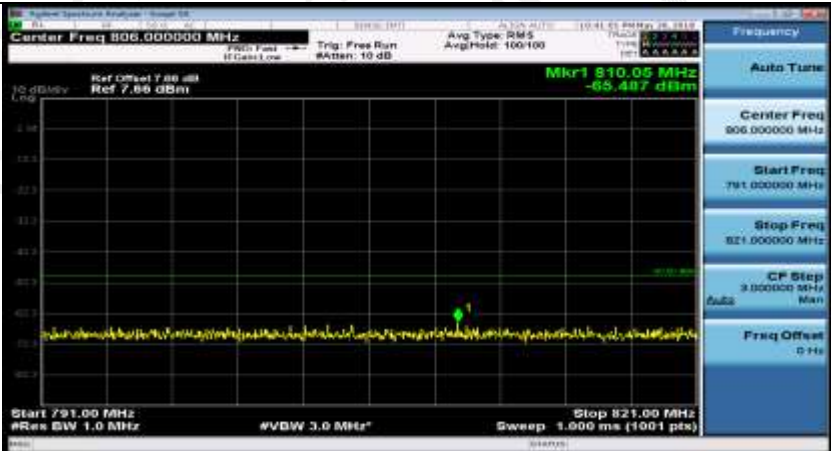
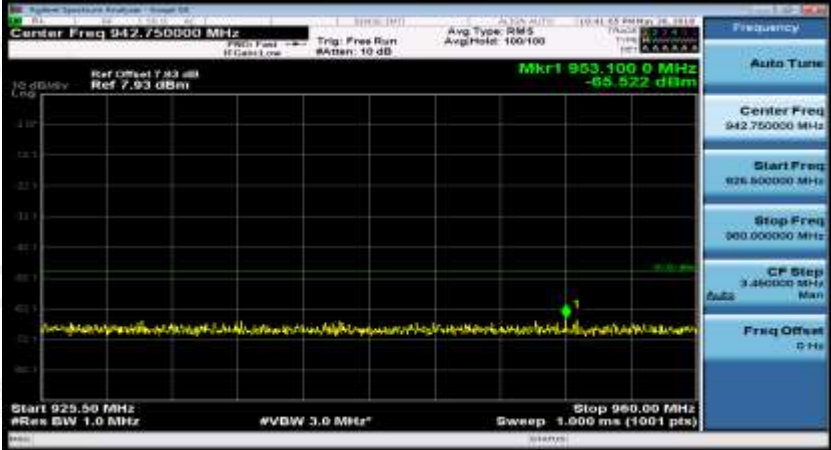
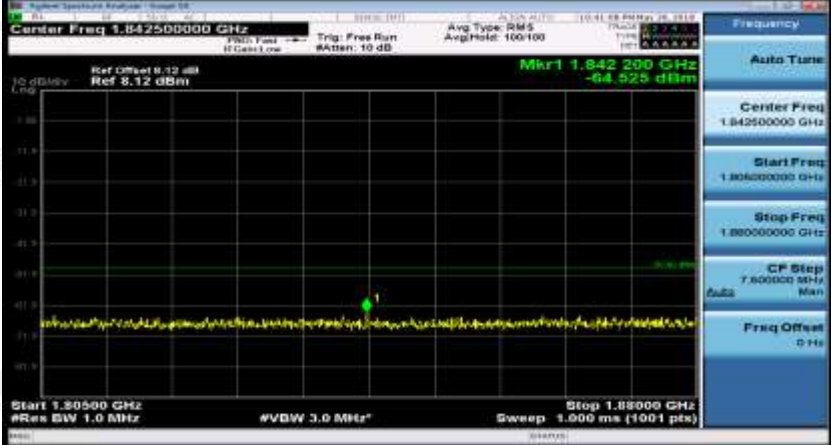
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#max		
General		
General		
General		

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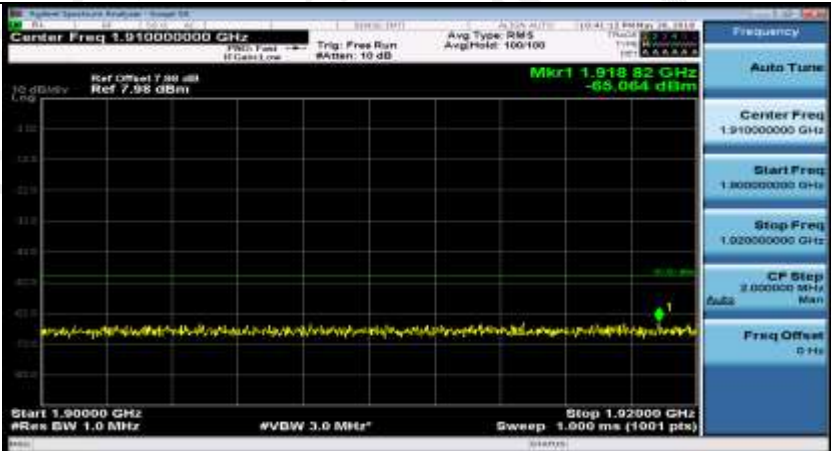
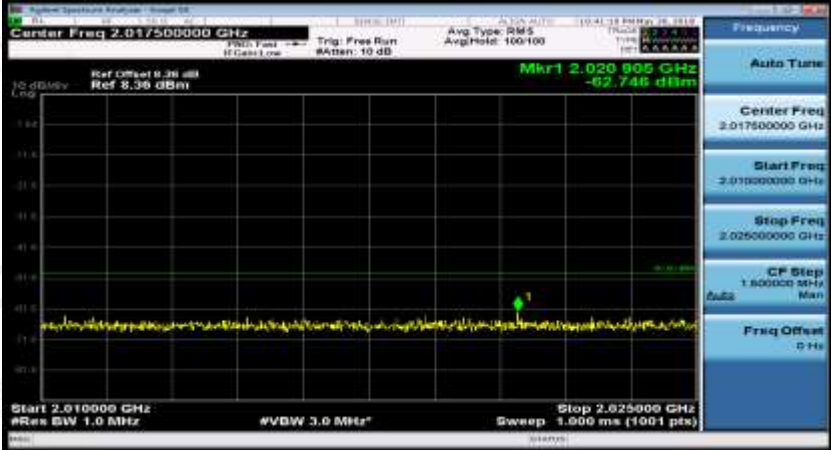
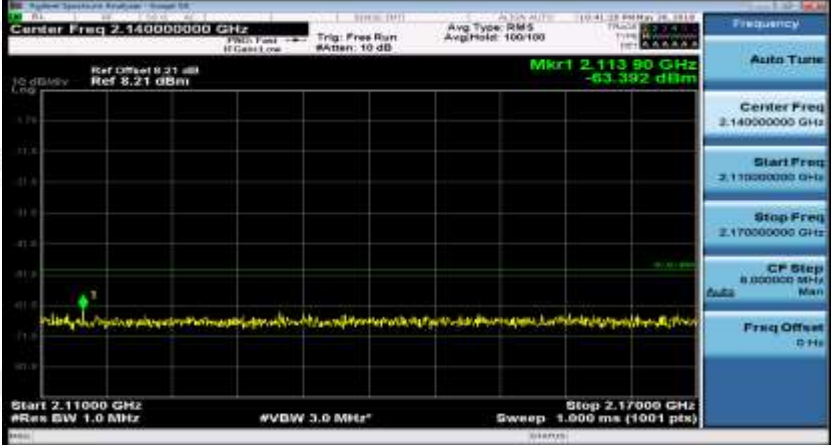
General			
General			
General			

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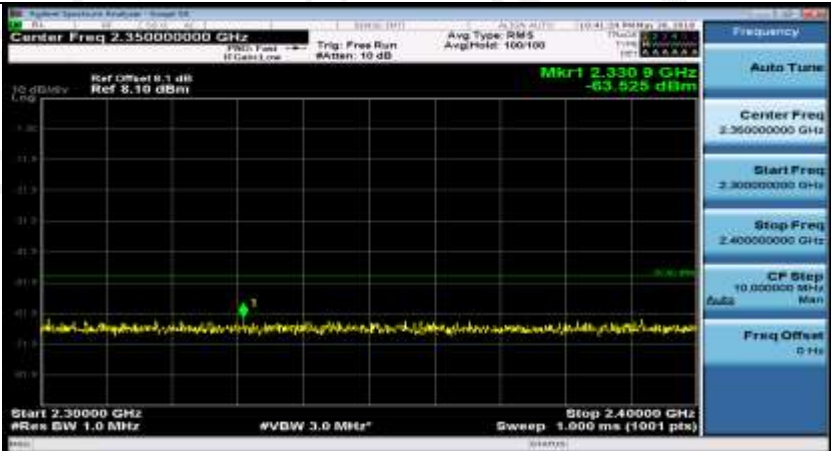
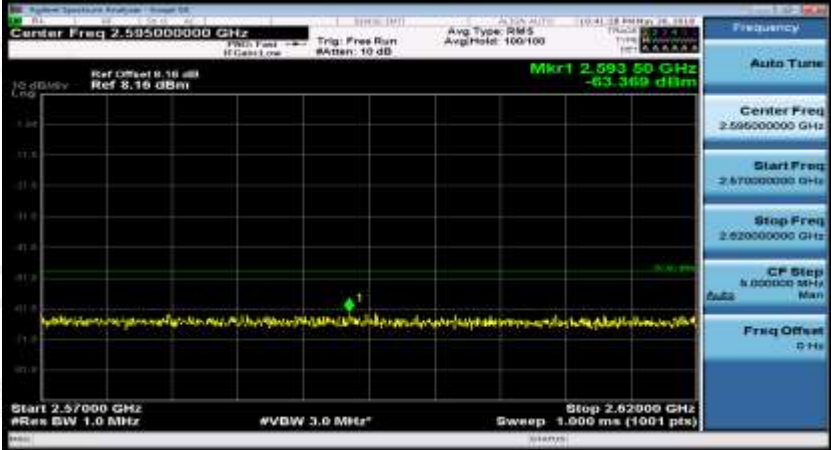
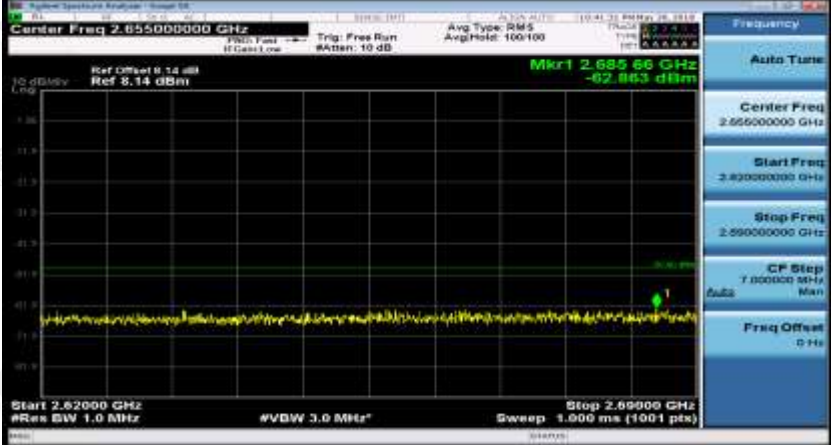
Co-existence	
Co-existence	
Co-existence	

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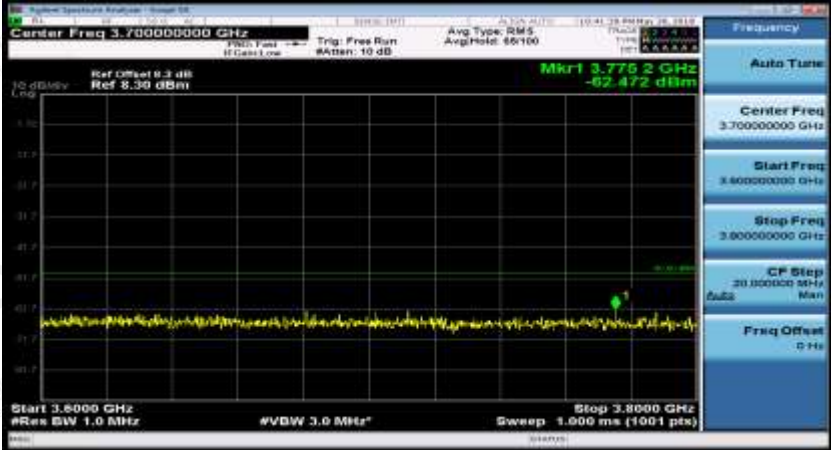
Co-existence	
Co-existence	
Co-existence	


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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

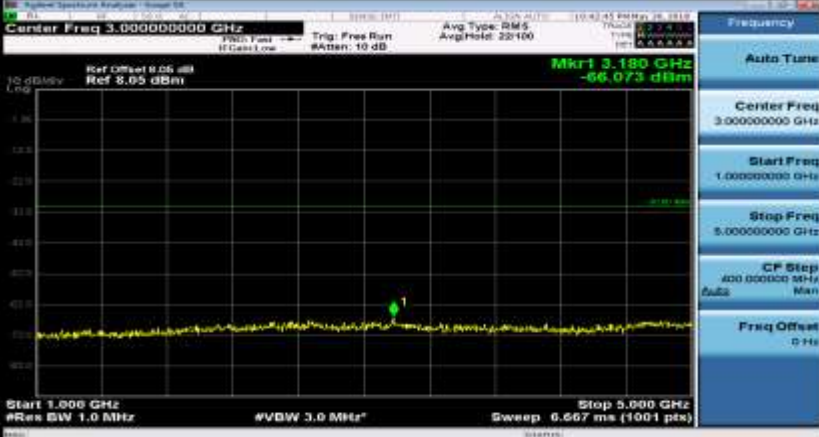

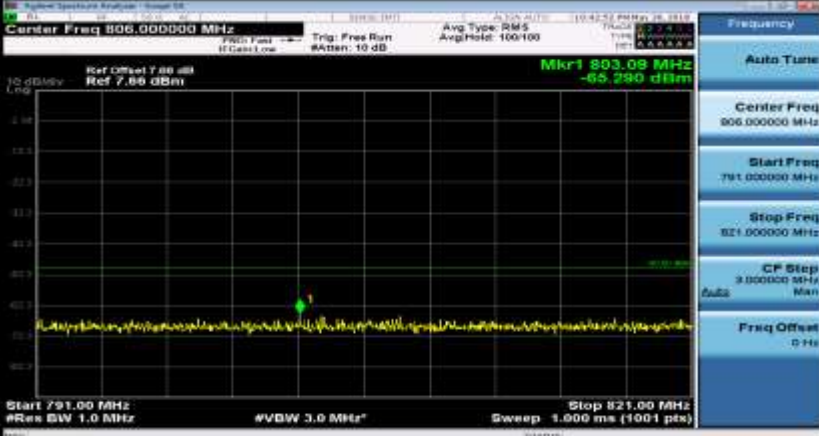
Channel Bandwidth= (5 MHz)_QPSK_HCH_FullIRB#0	
General	

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General	
General	
General	

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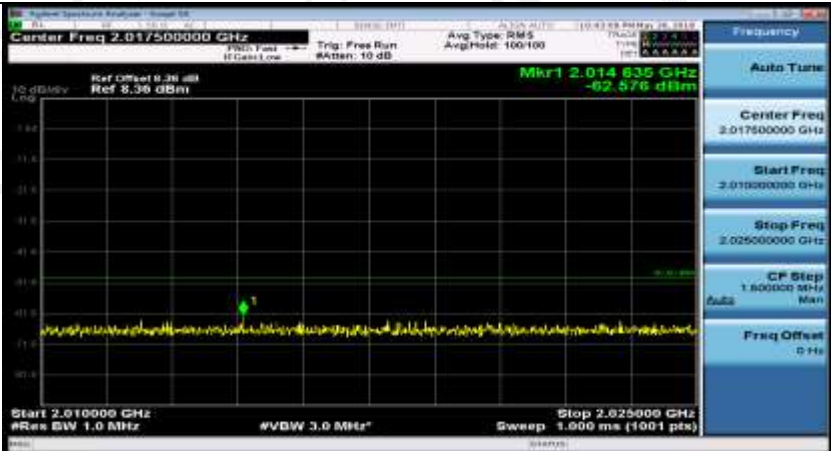
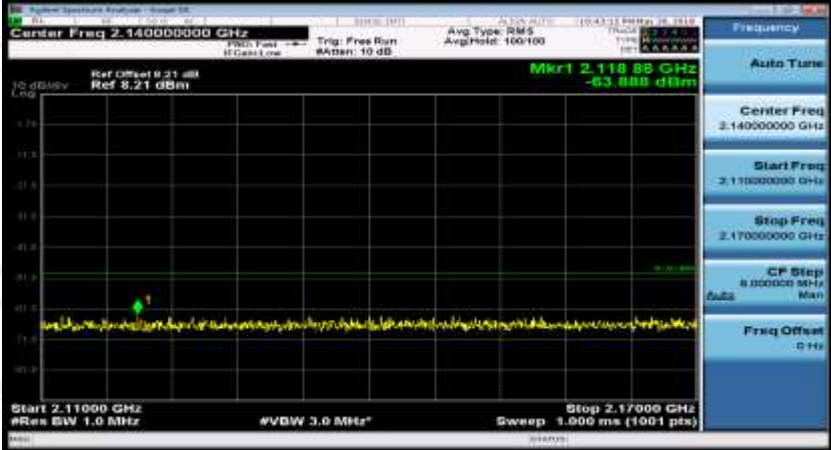
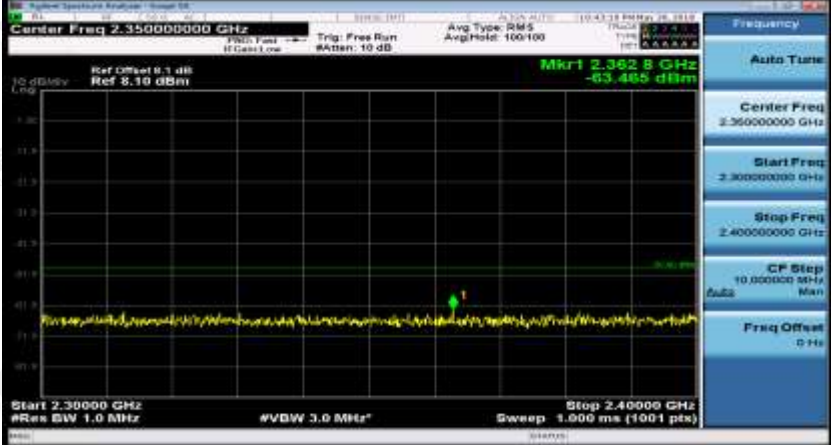
General			
General			
Co-existence			

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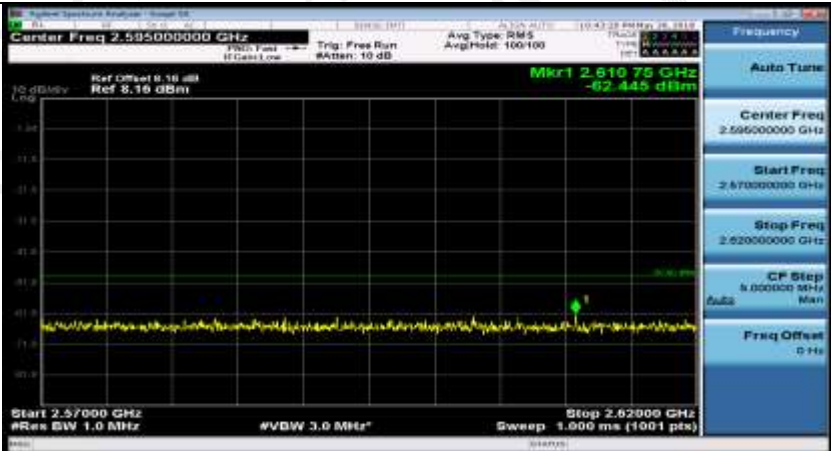
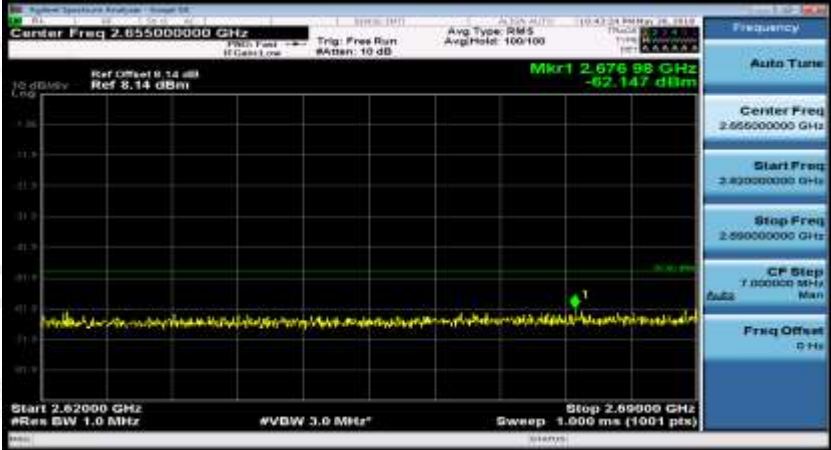
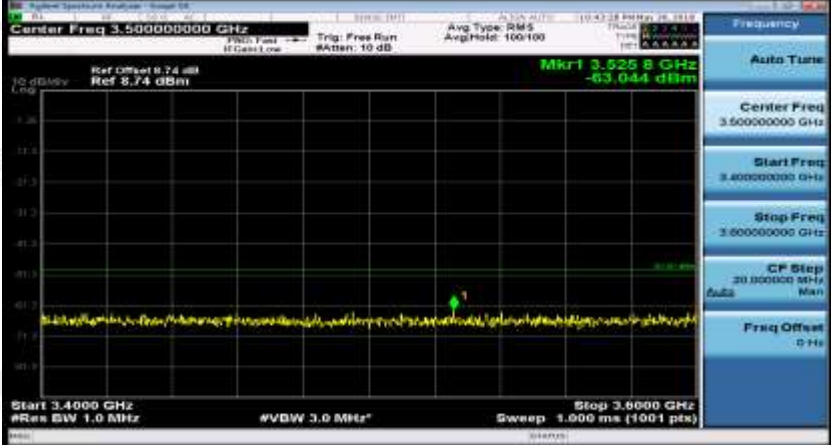
Co-existence			
Co-existence			
Co-existence			

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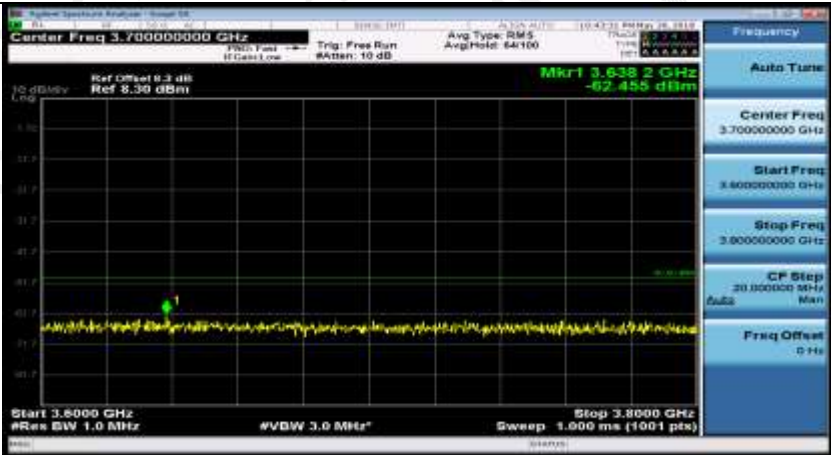
Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

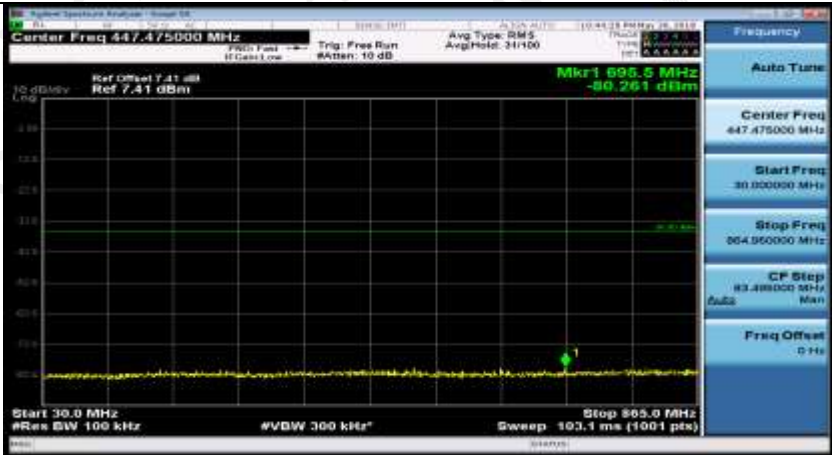
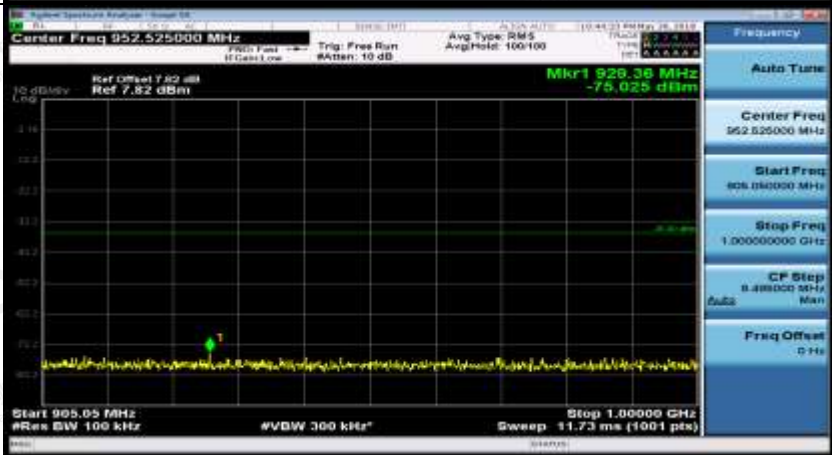

Channel Bandwidth= (10 MHz)

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

General	
General	

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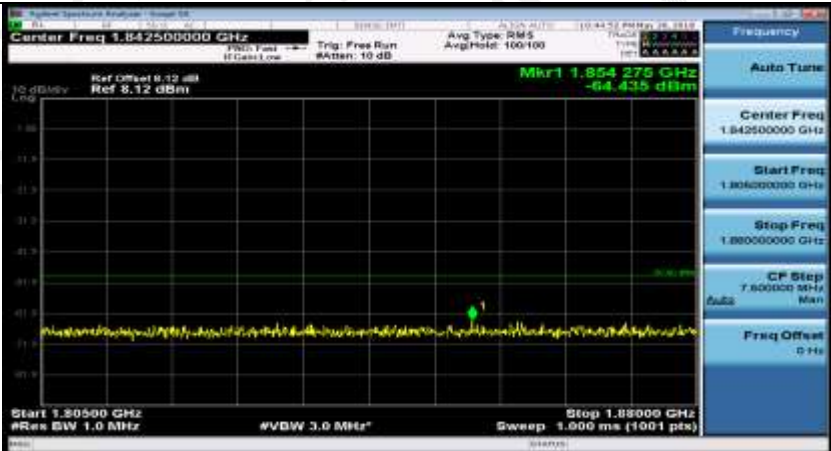
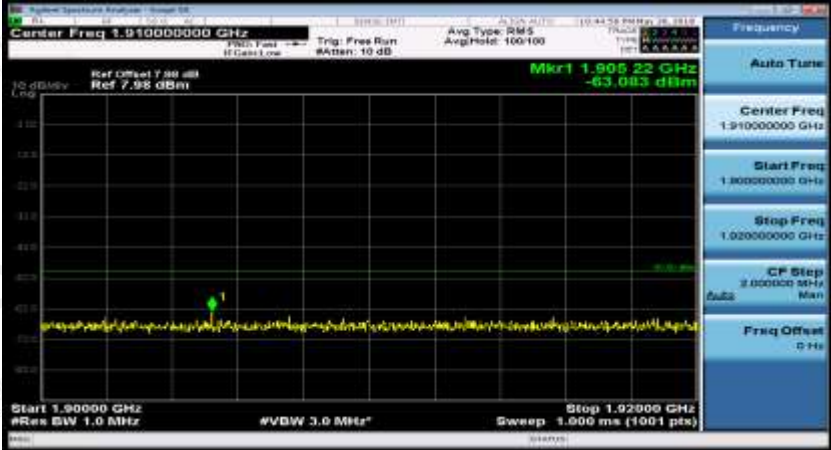
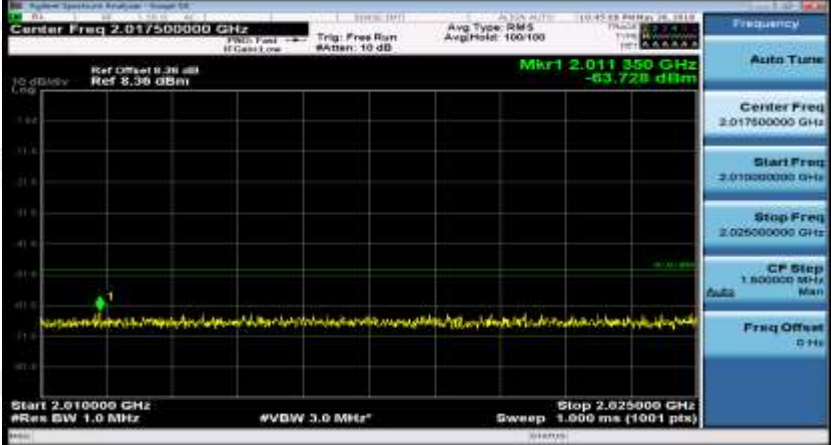
General			
General			
General			

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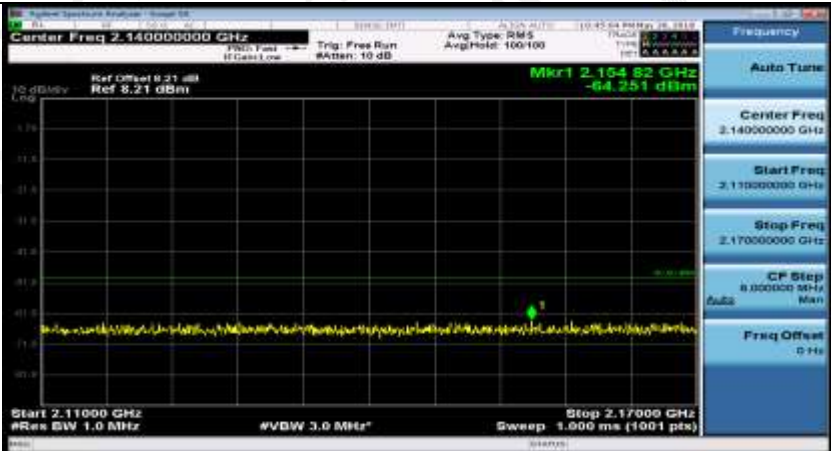
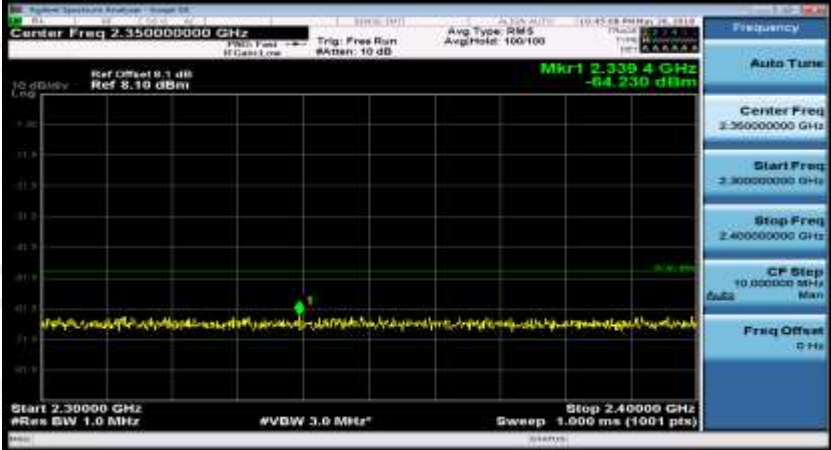
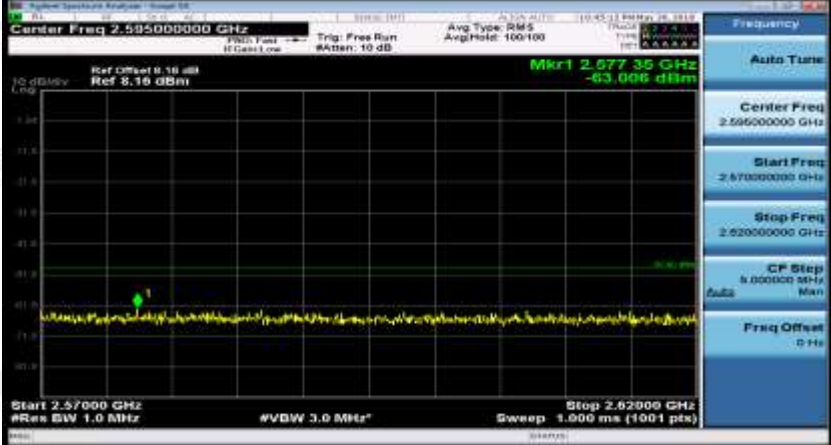
General			
Co-existence			
Co-existence			

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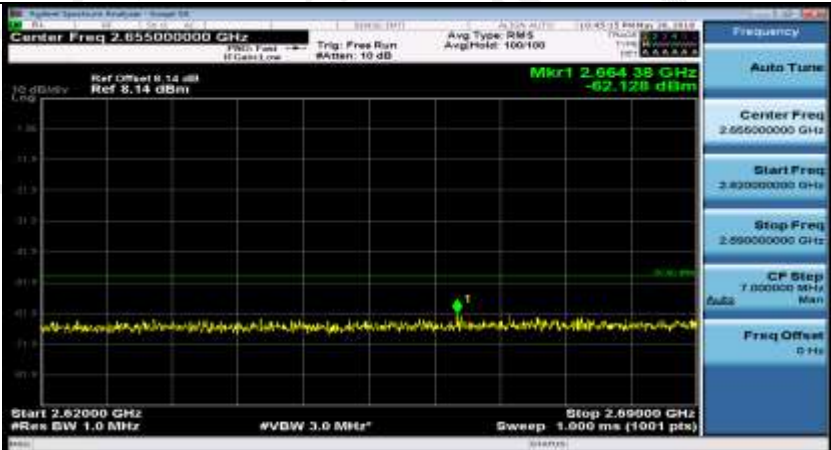
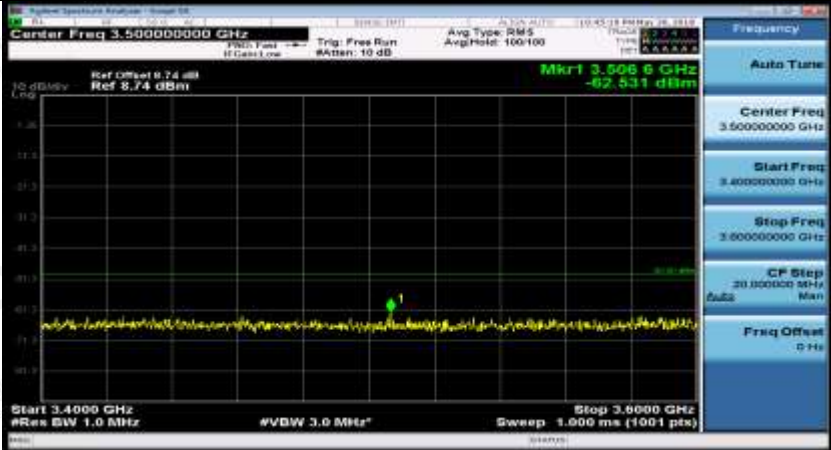
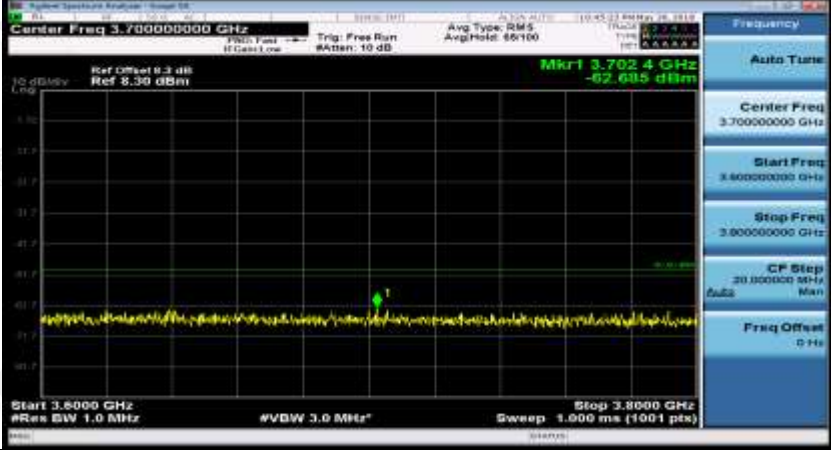
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

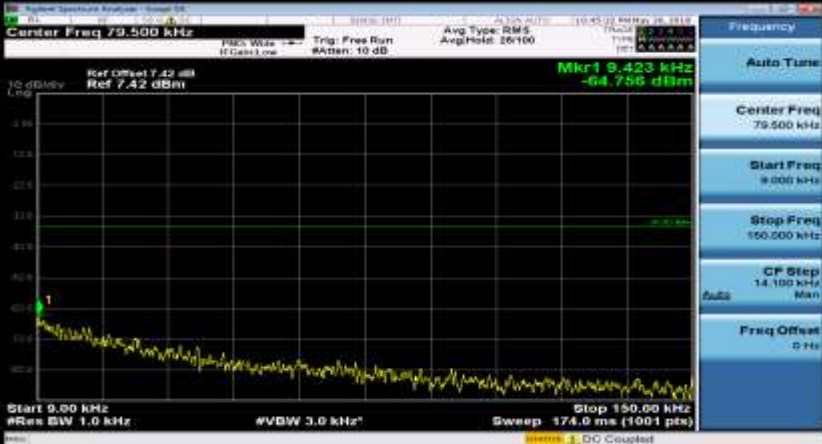

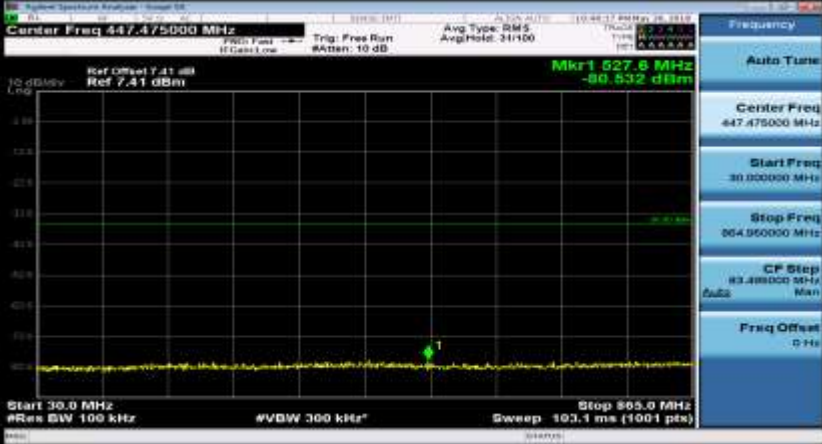
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Co-existence	
Co-existence	
Additional	NA

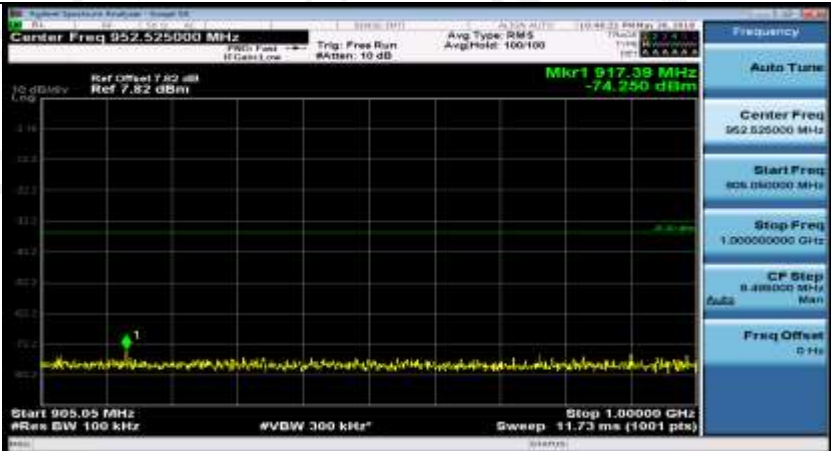


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Channel Bandwidth=Highest (10 MHz) QPSK\_LCH\_1RB#max

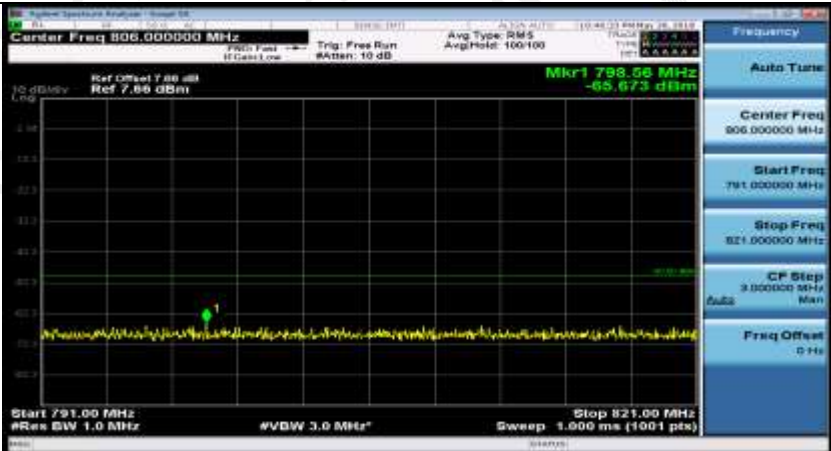
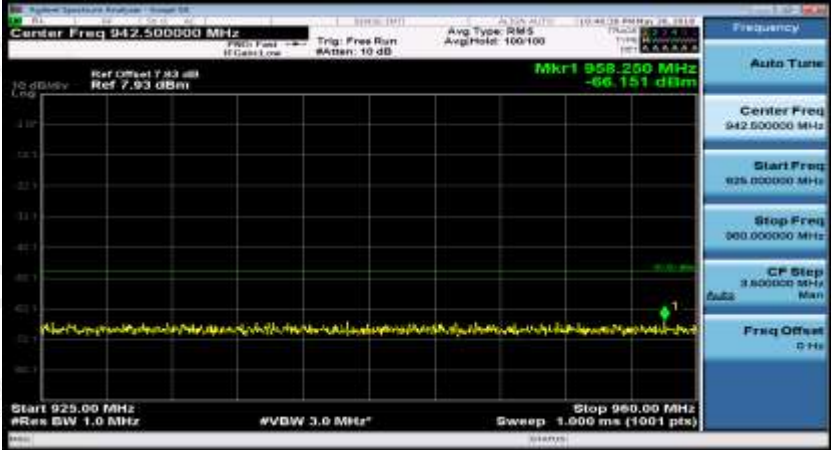
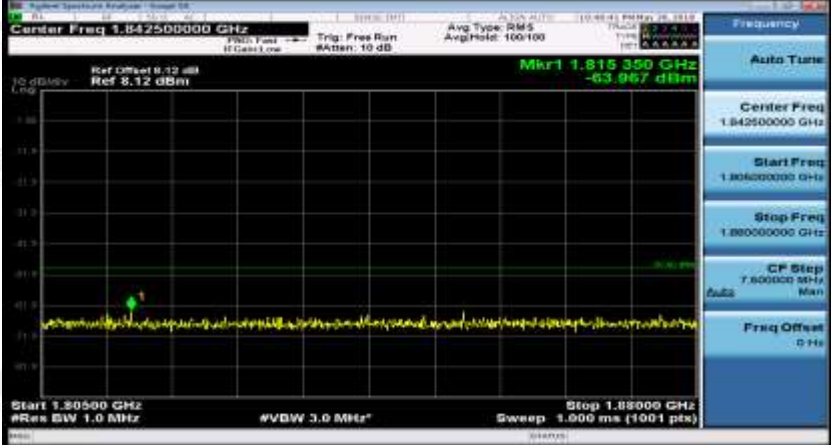
General		
General		
General		

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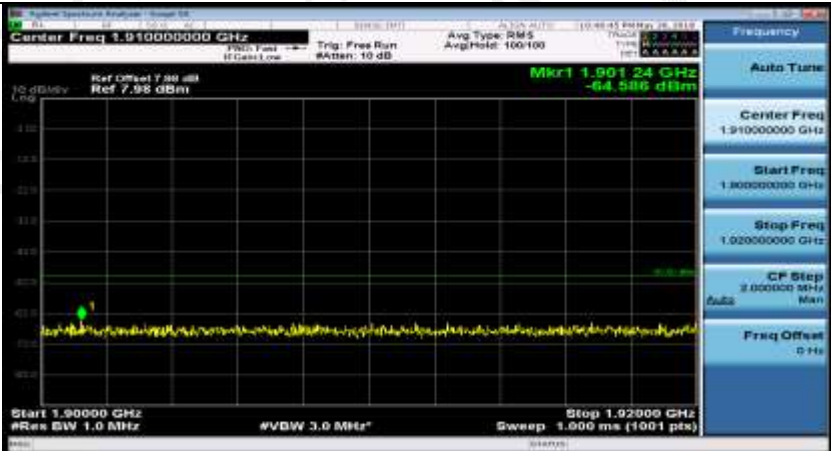
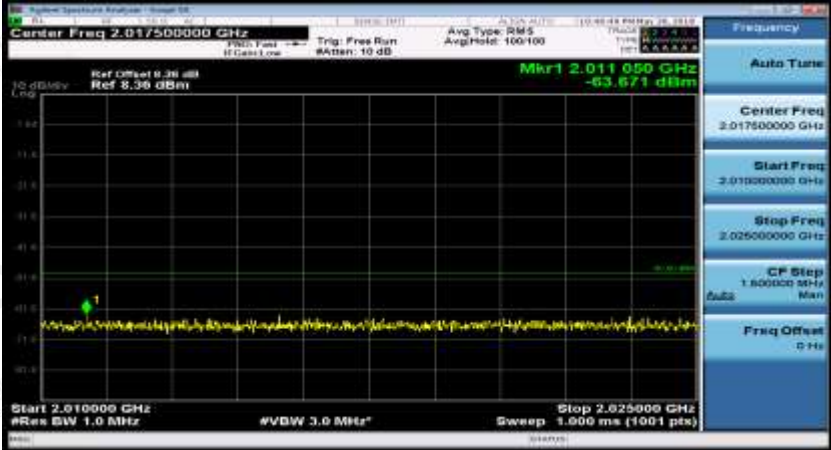
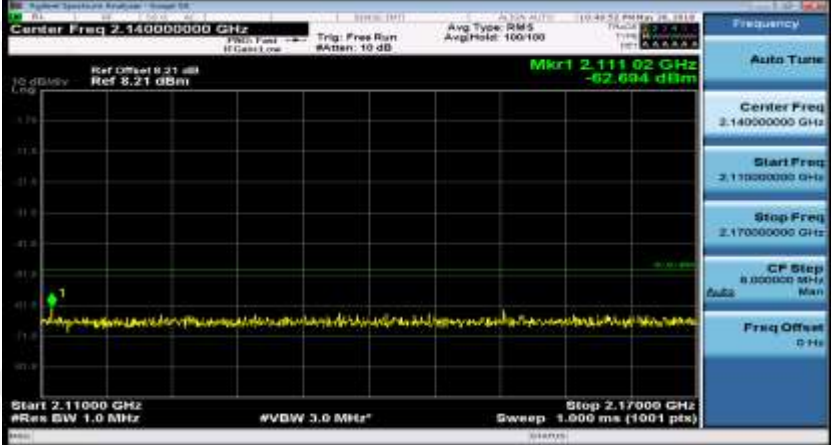
General		
General		
General		

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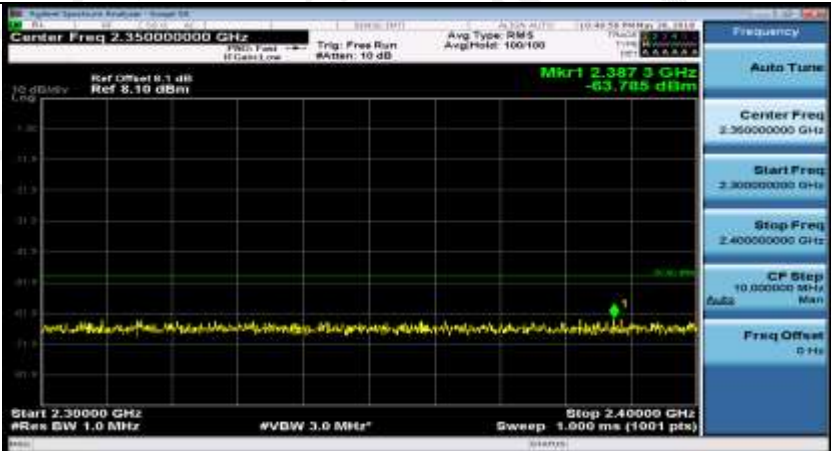
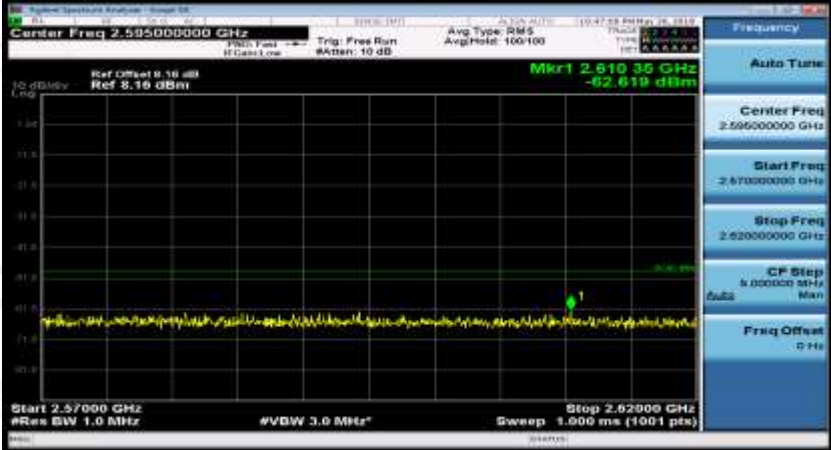
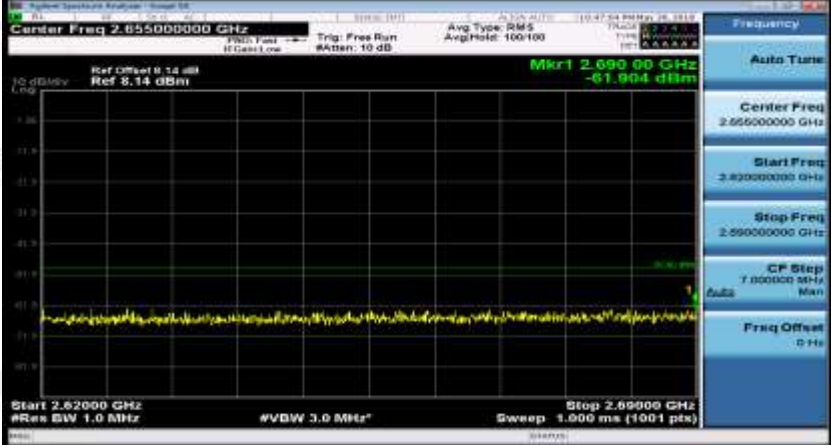
Co-existence	
Co-existence	
Co-existence	

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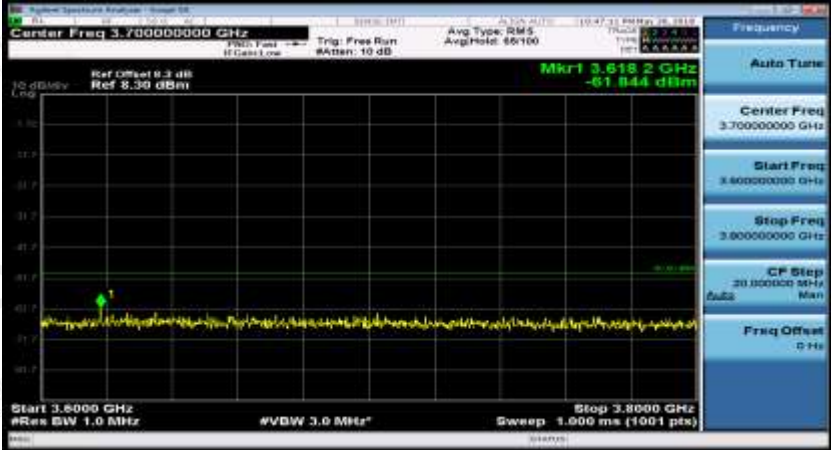
Co-existence	
Co-existence	
Co-existence	


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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA



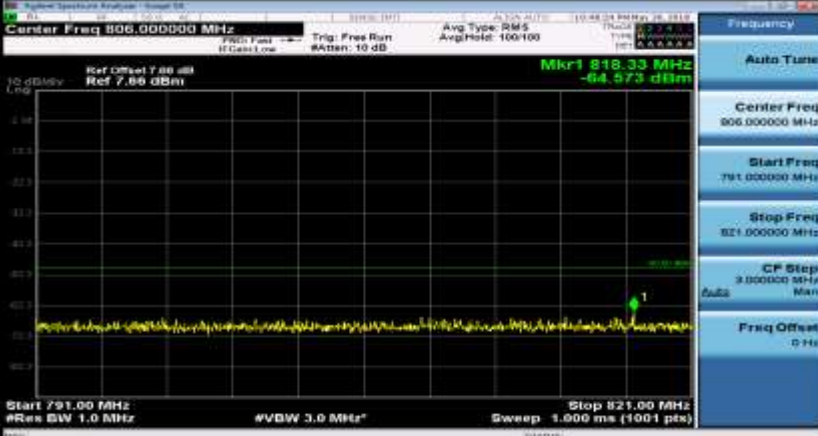
Channel Bandwidth=Highest (10 MHz)_QPSK_LCH_FullRB#0	
General	

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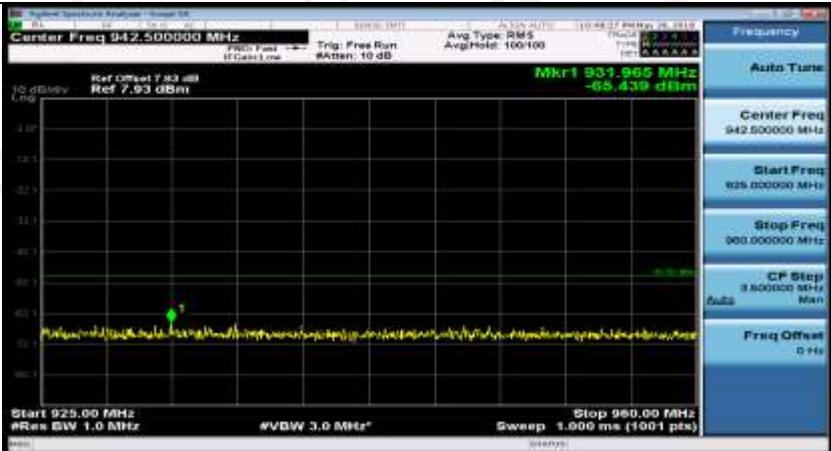
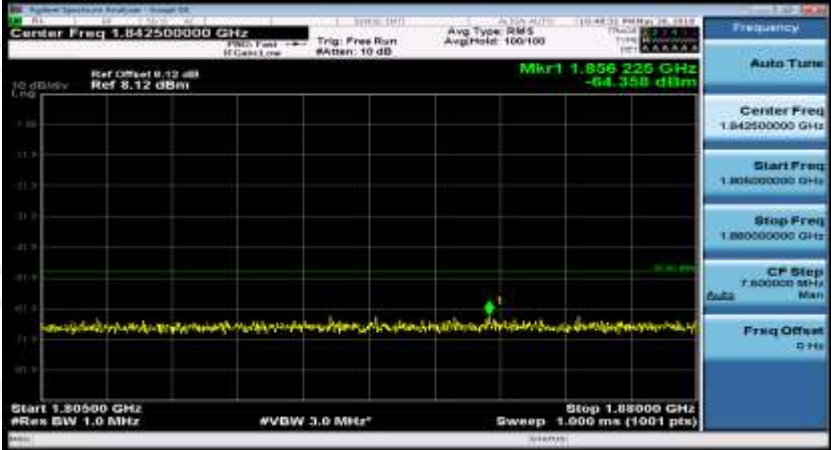
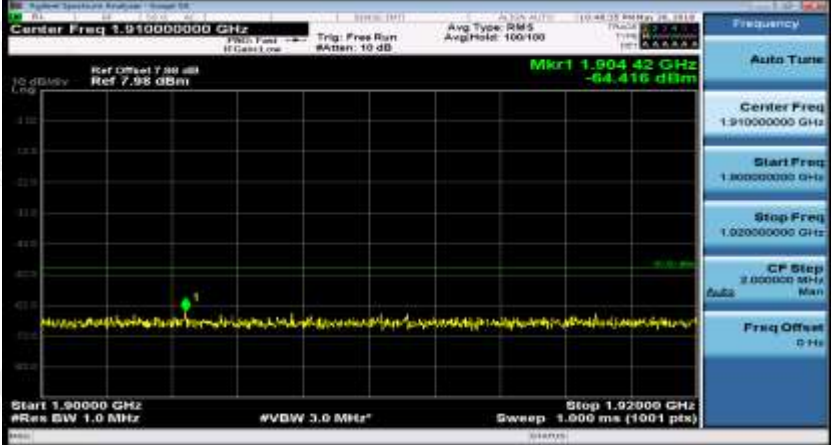
General	
General	
General	

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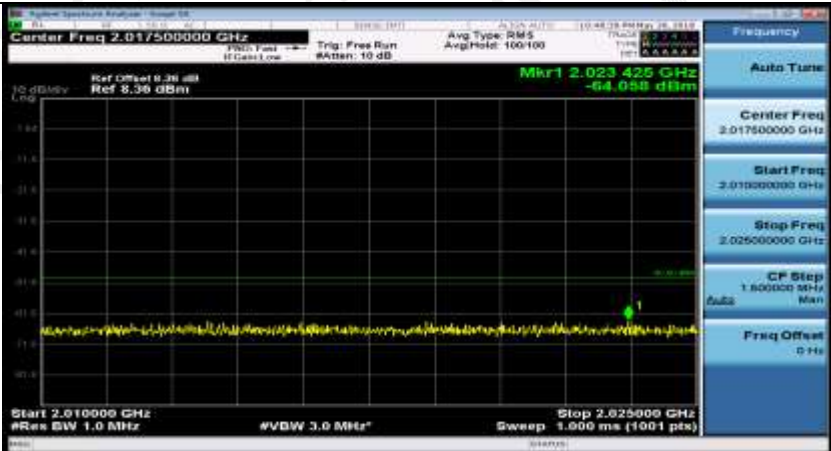
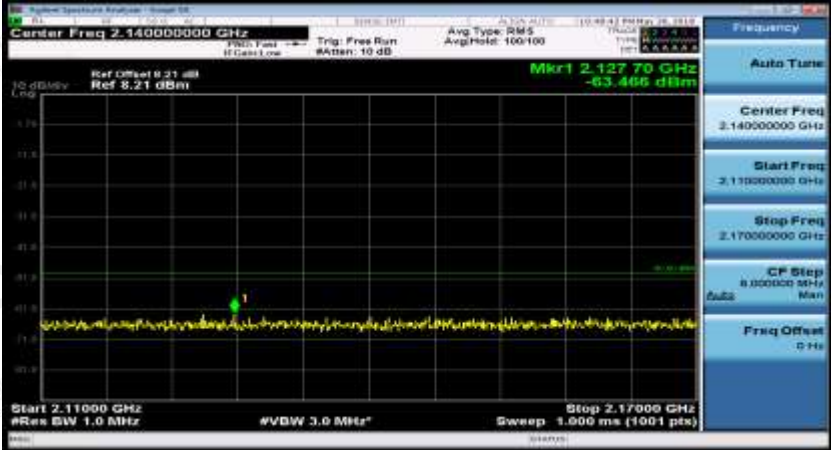
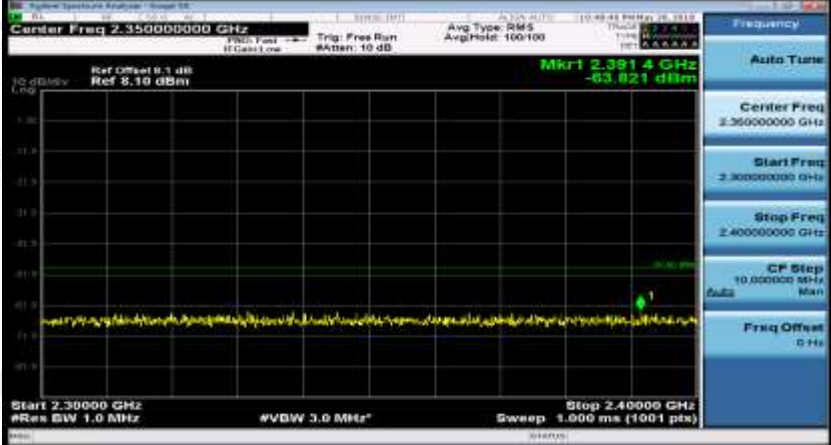
General			
General			
Co-existence			

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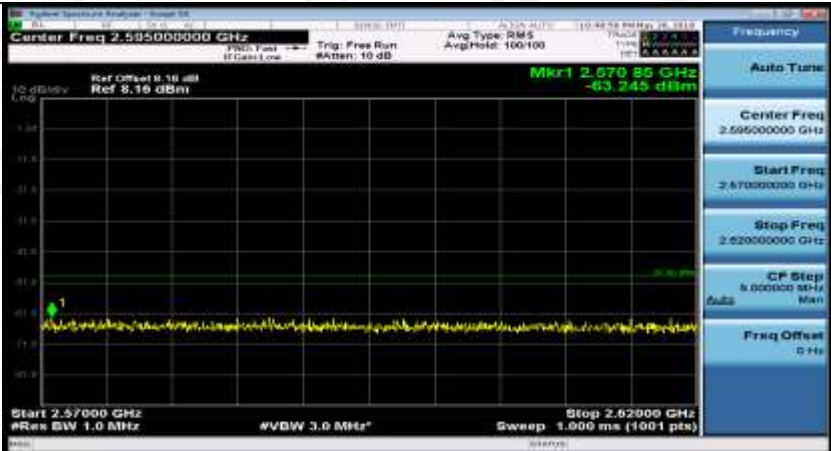
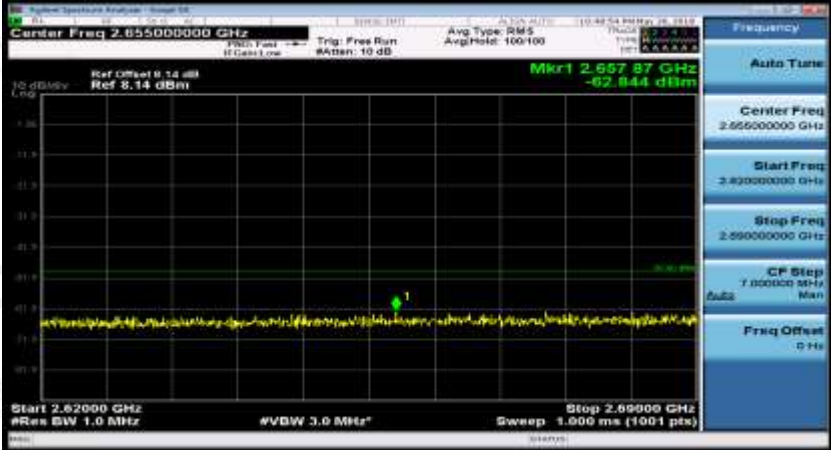
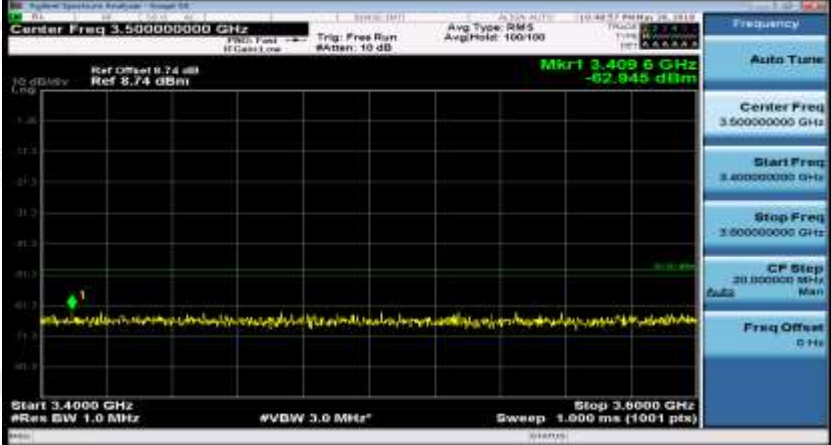
Co-existence	
Co-existence	
Co-existence	

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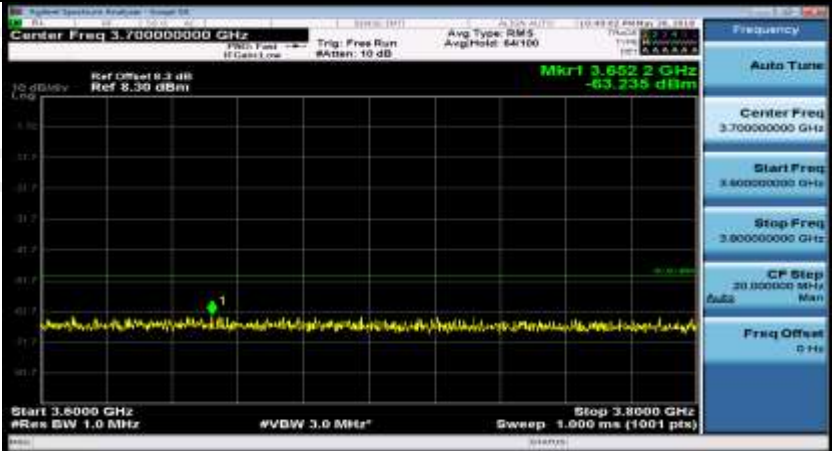
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

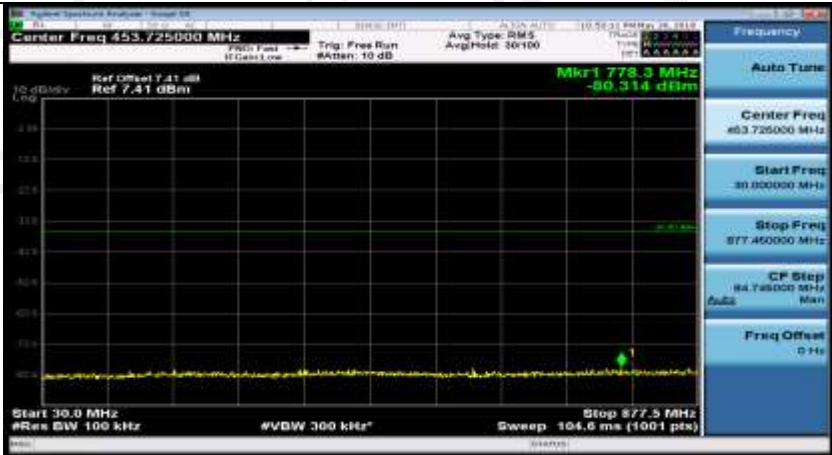
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Additional	NA


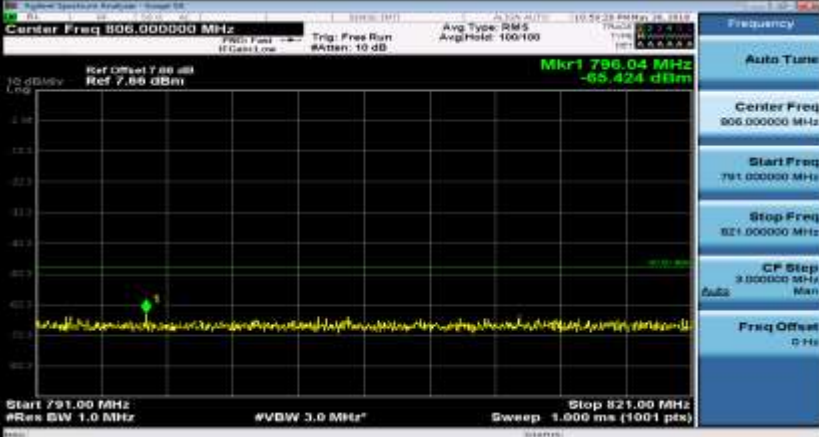
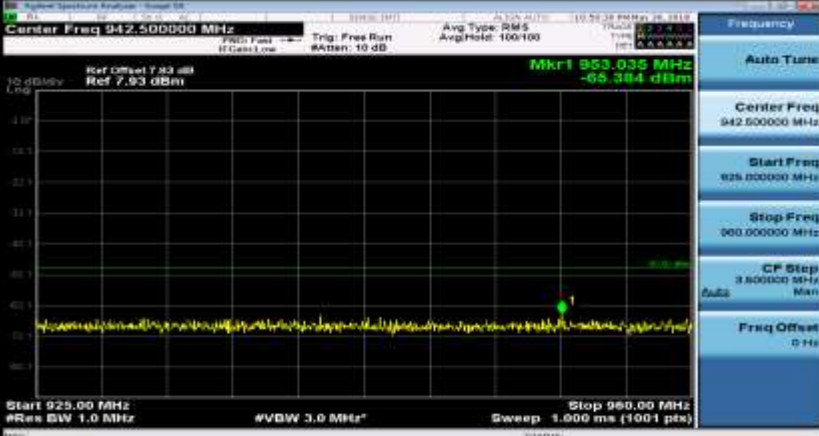
Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_1RB#0	
General	
General	

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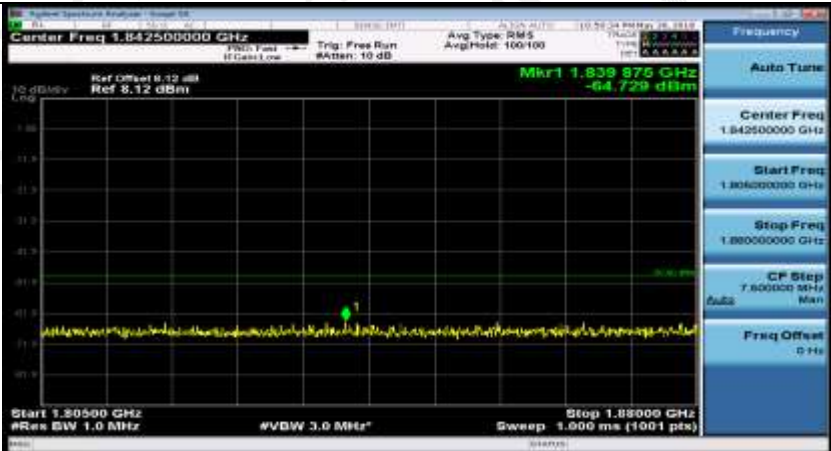
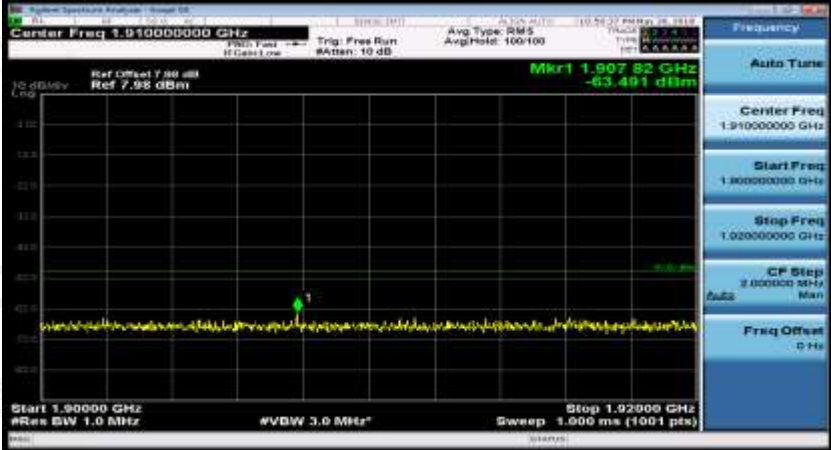
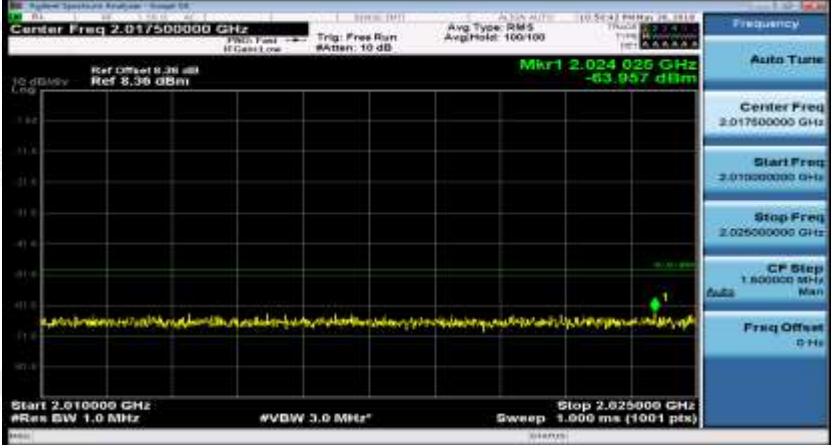
General			
General			
General			

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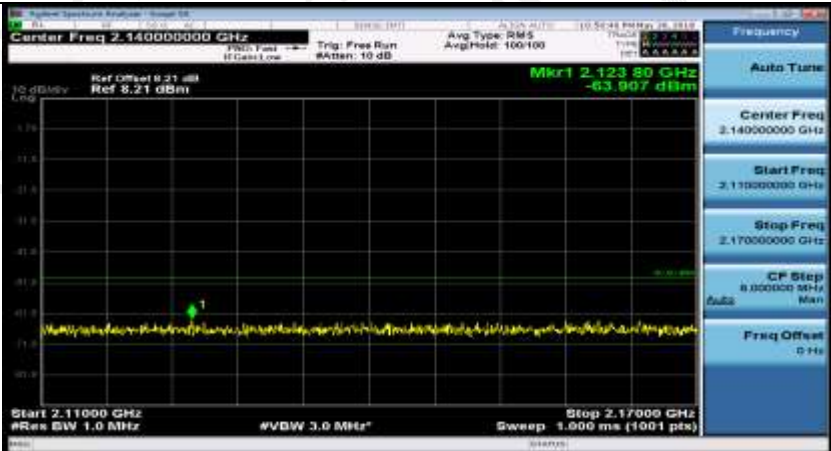
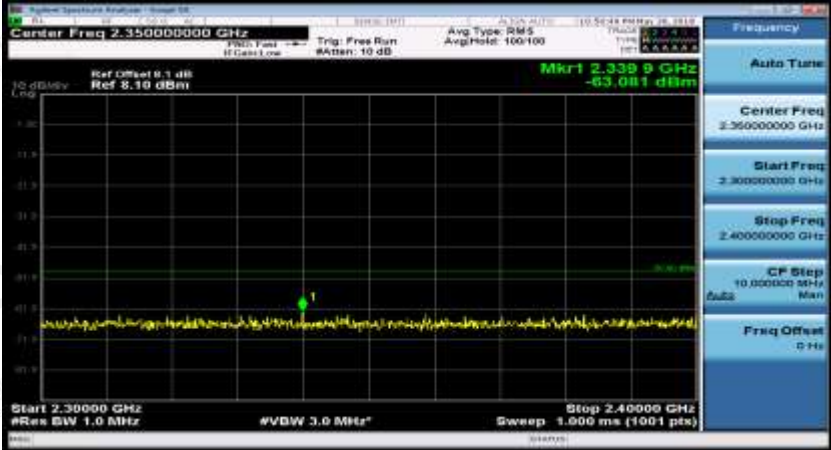
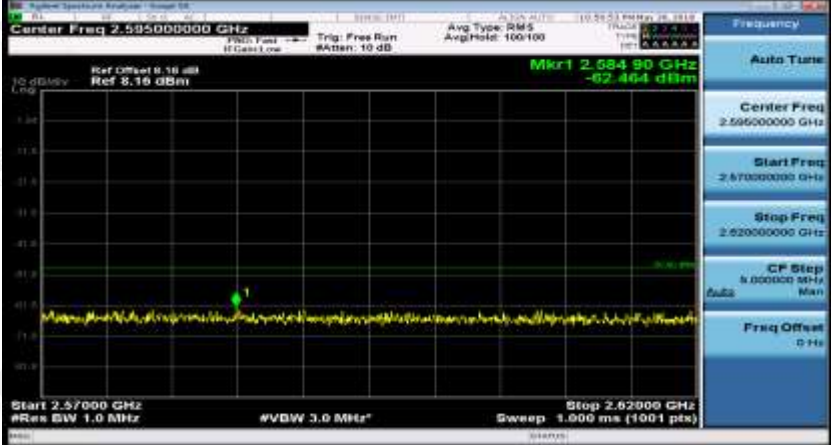
General			
Co-existence			
Co-existence			

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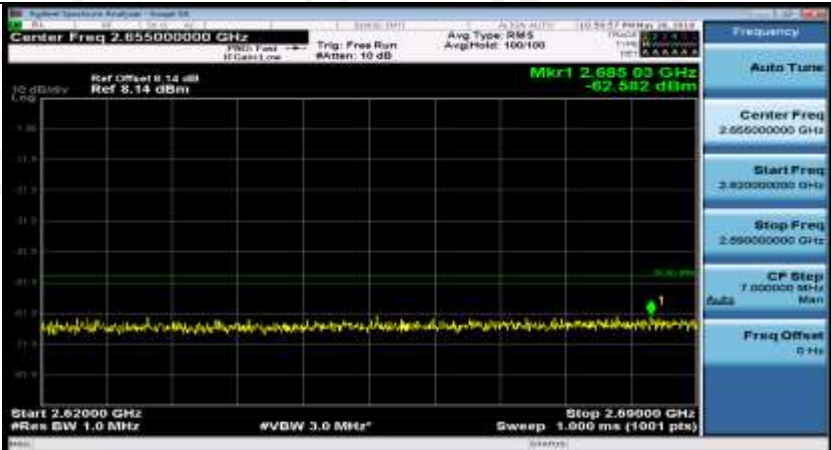
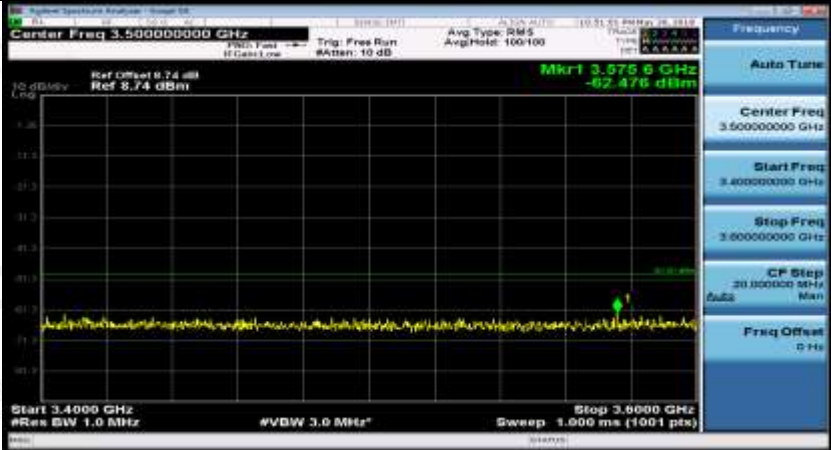
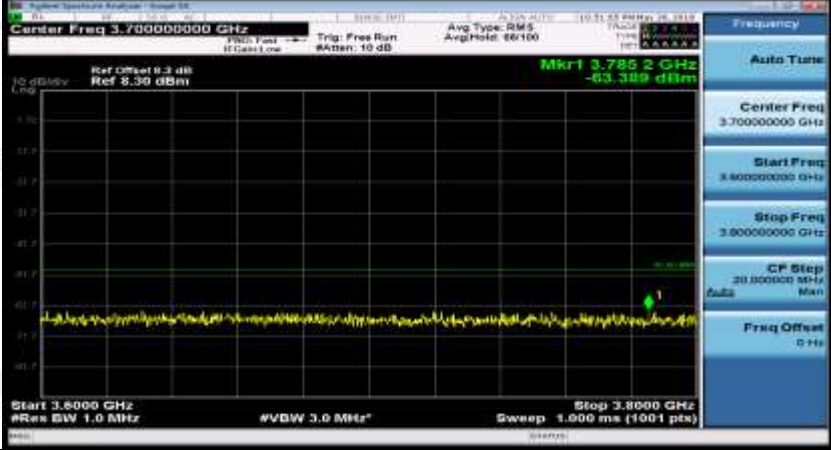
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		



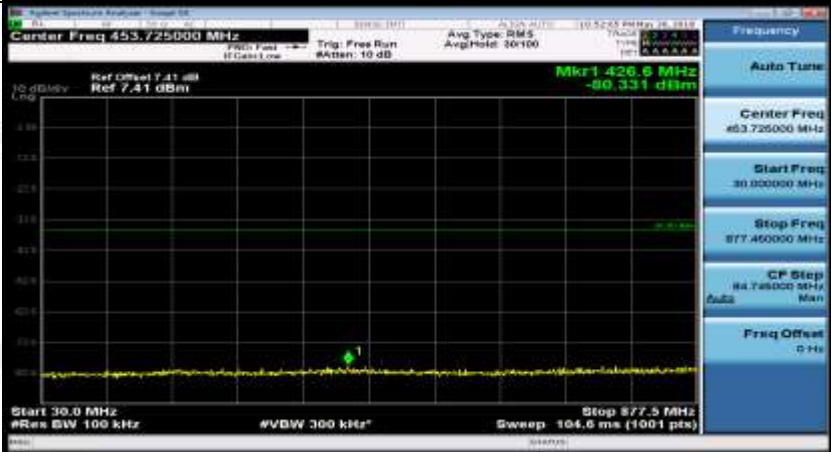
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

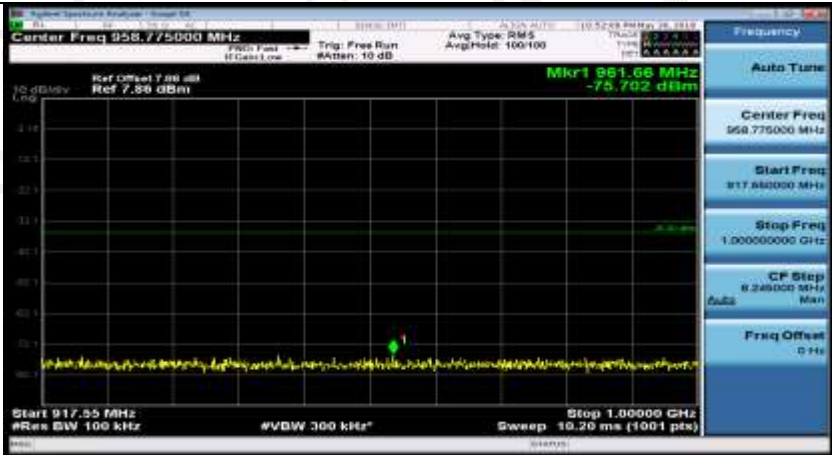

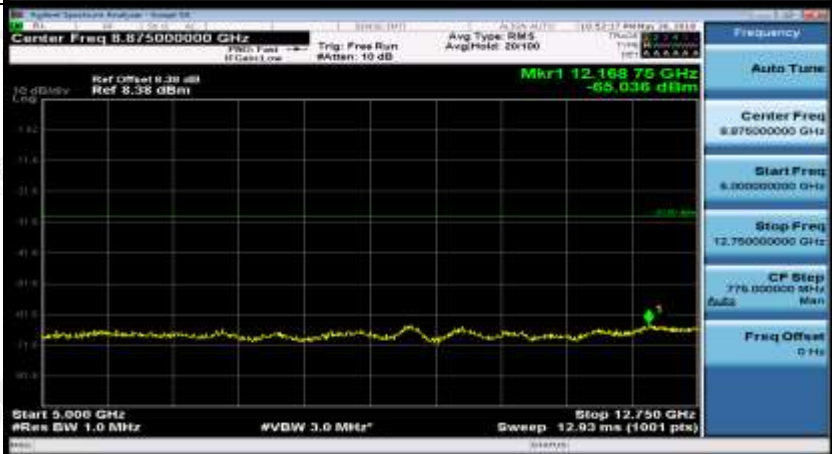
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



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

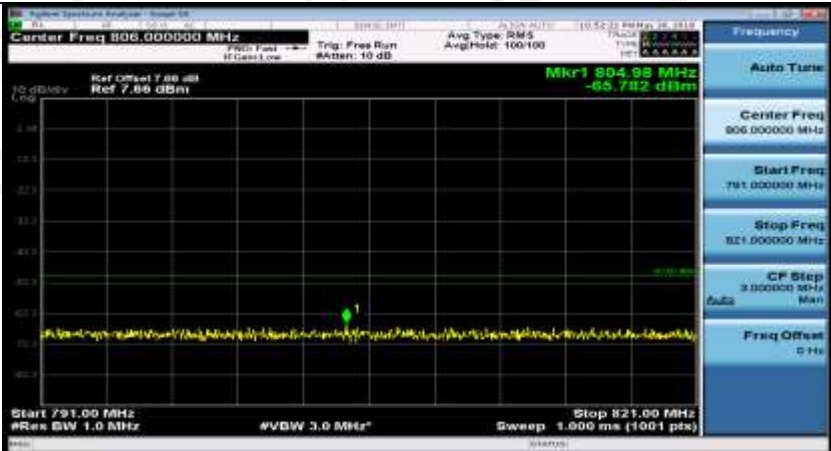
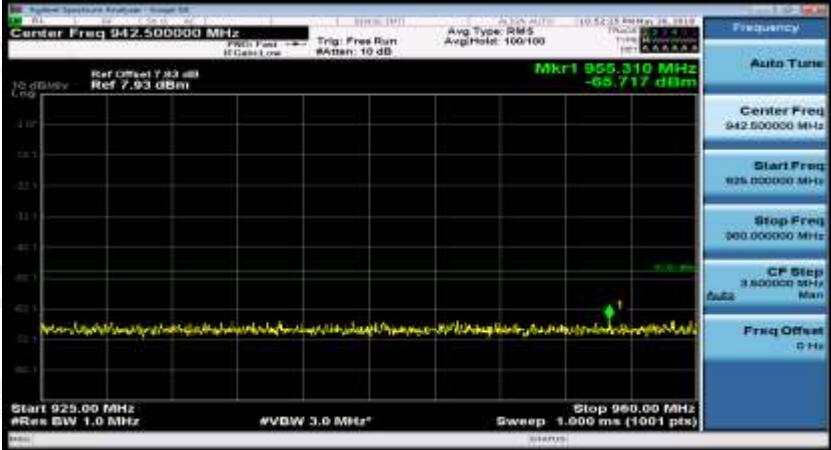
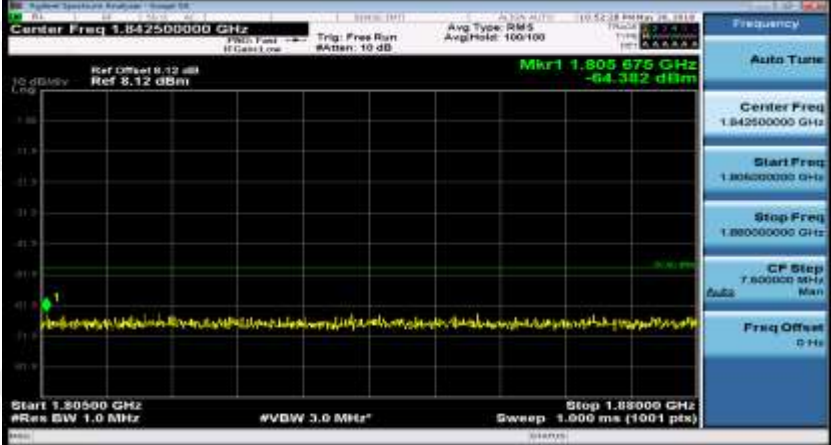
General		
General		
General		

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General			
General			
General			

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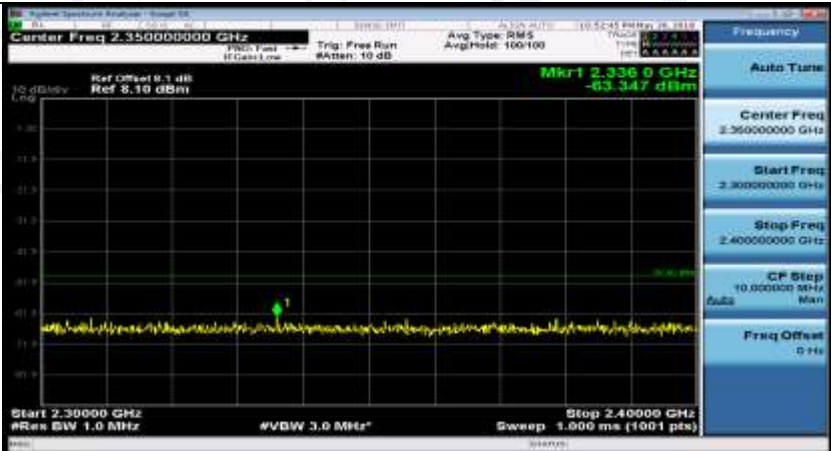
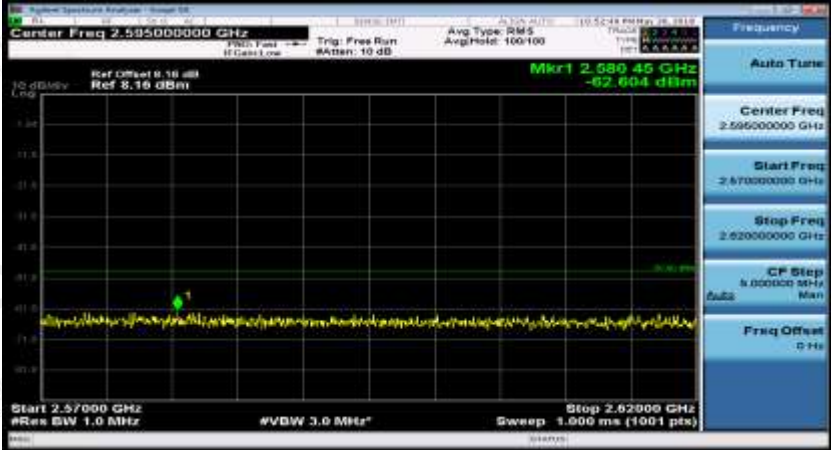
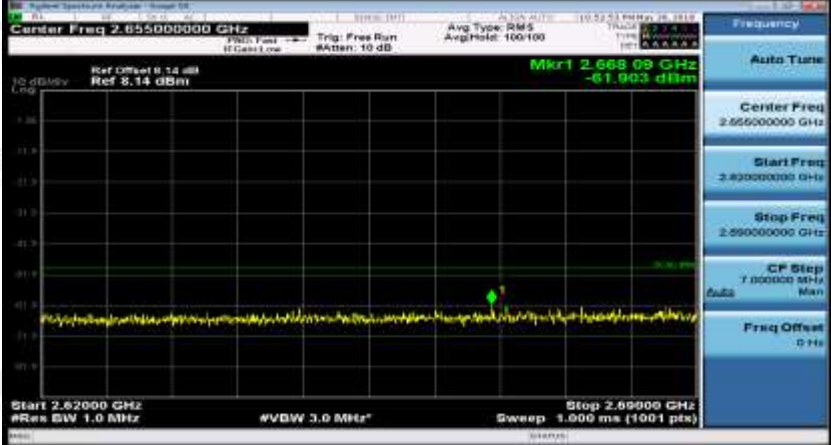
Co-existence	
Co-existence	
Co-existence	

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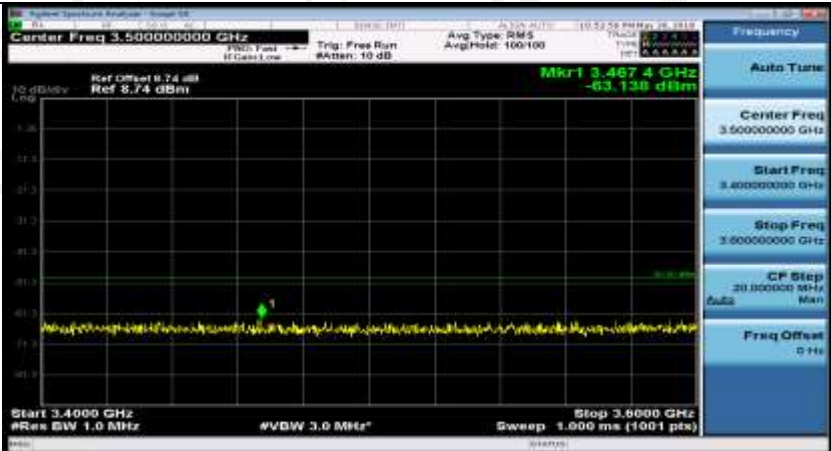
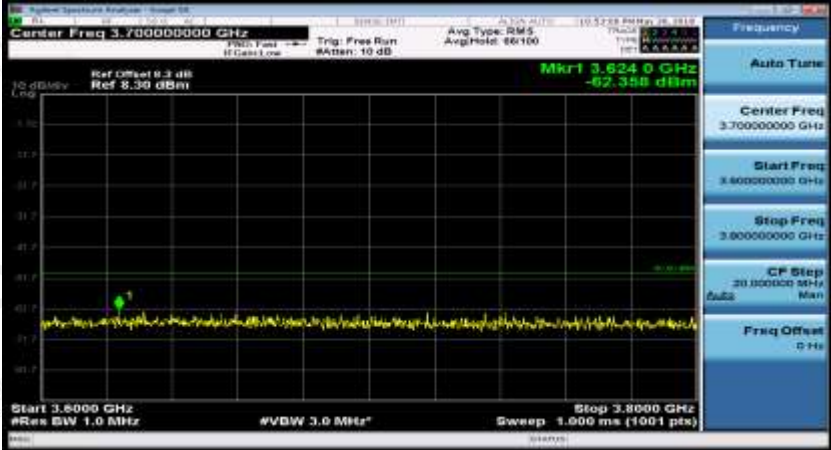
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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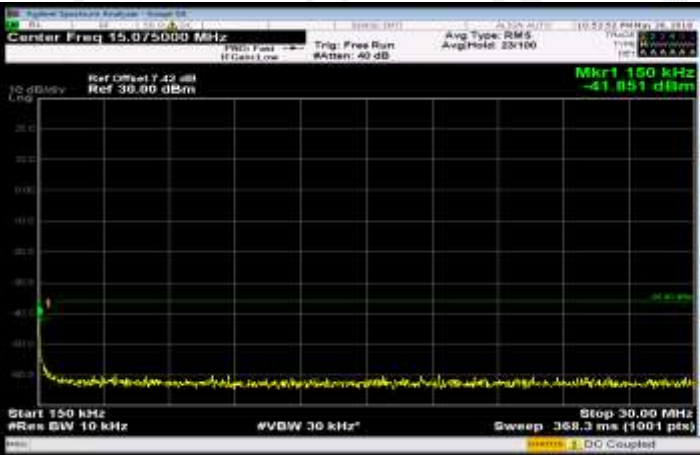
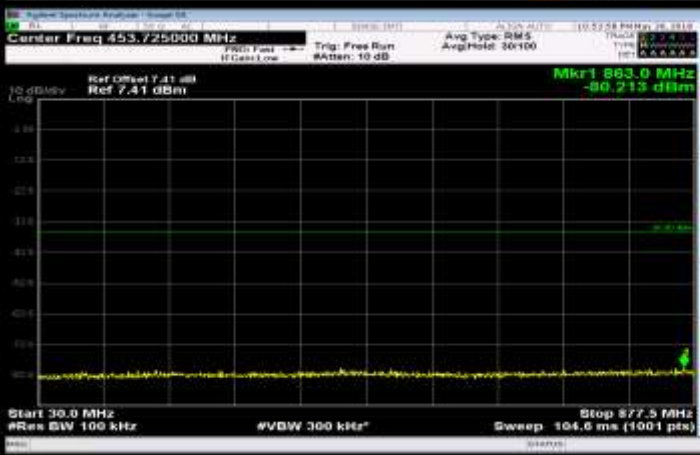
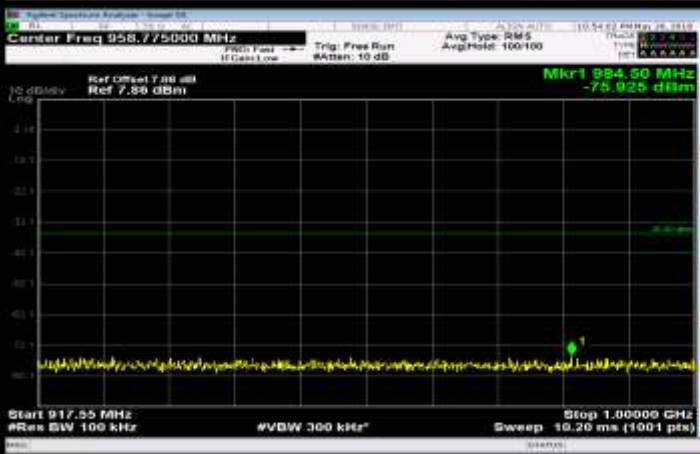
Co-existence	
Co-existence	
Additional	NA

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

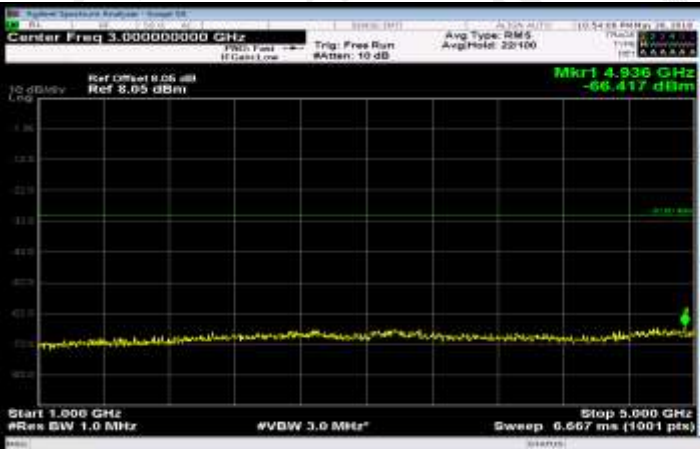
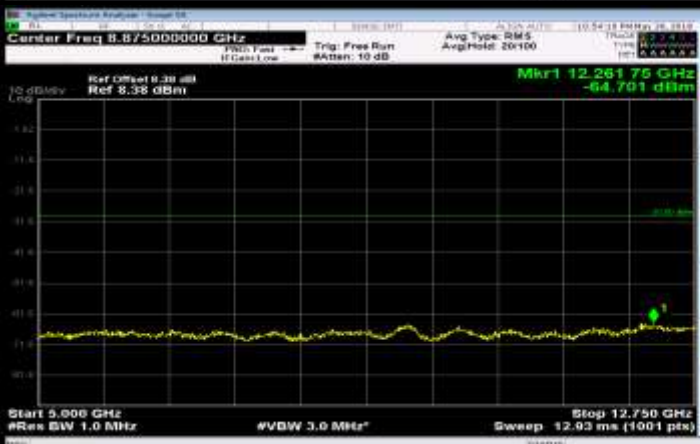
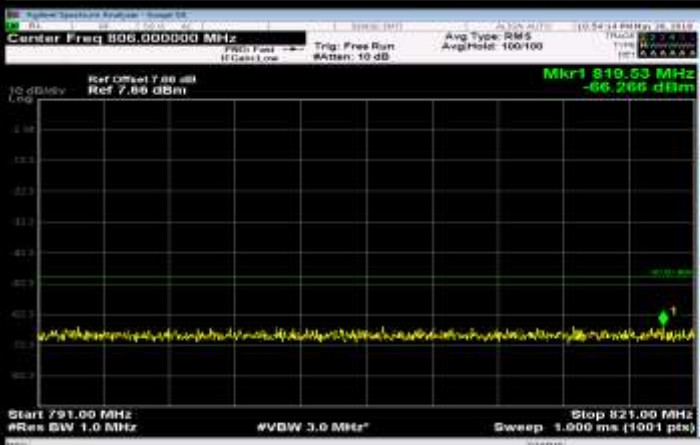
General	
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General			
General			
General			

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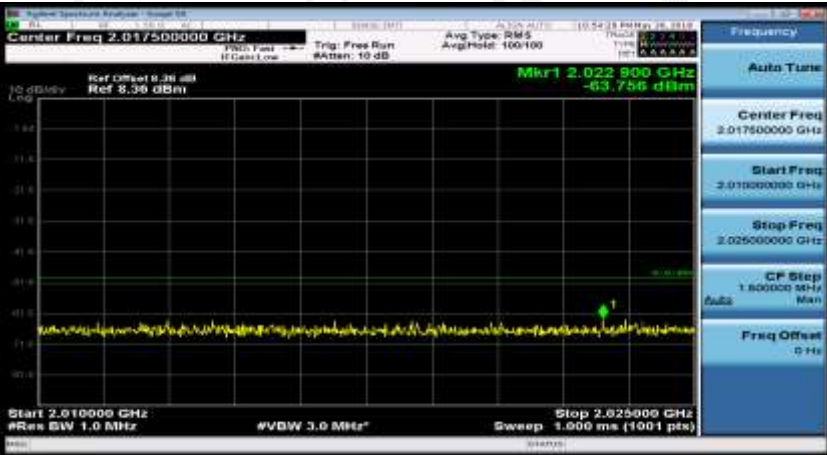
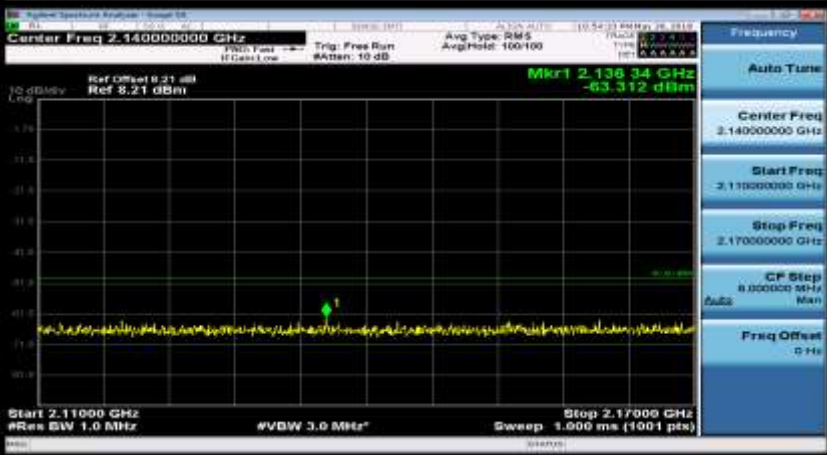
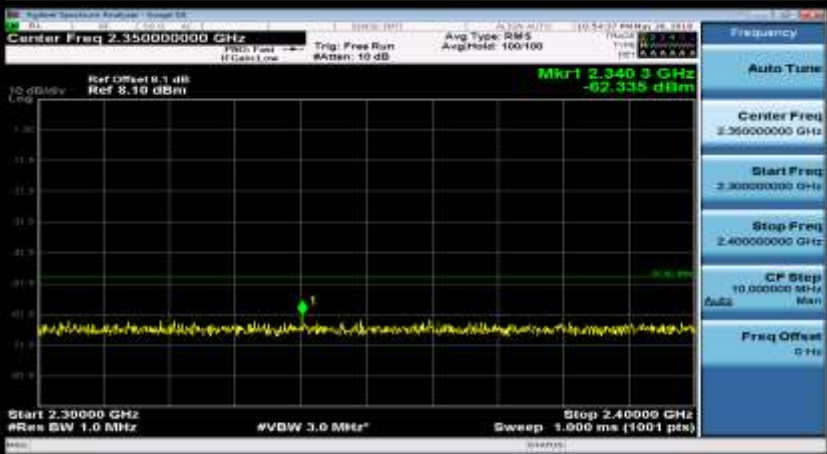
General			
General			
Co-existence			

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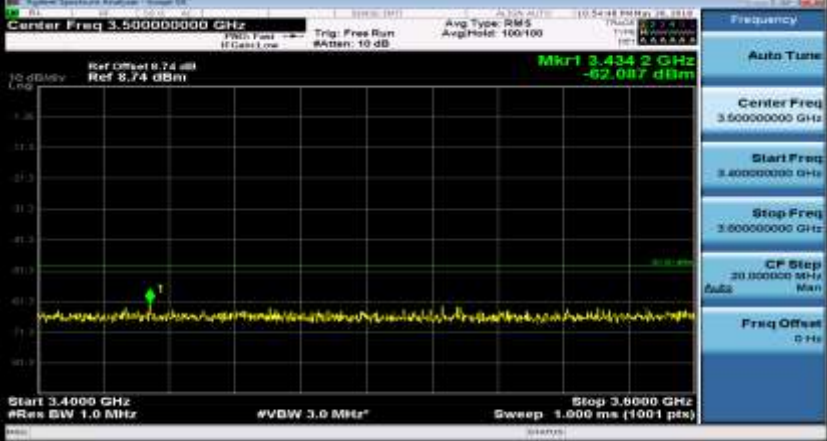
Co-existence	
Co-existence	
Co-existence	

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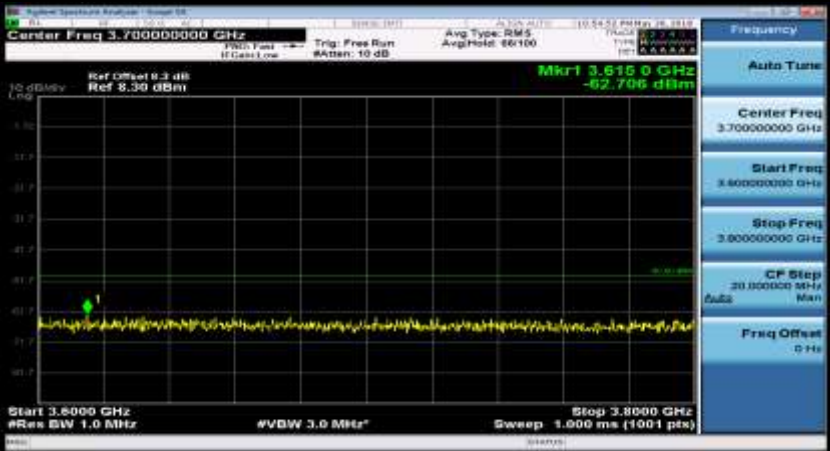
Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

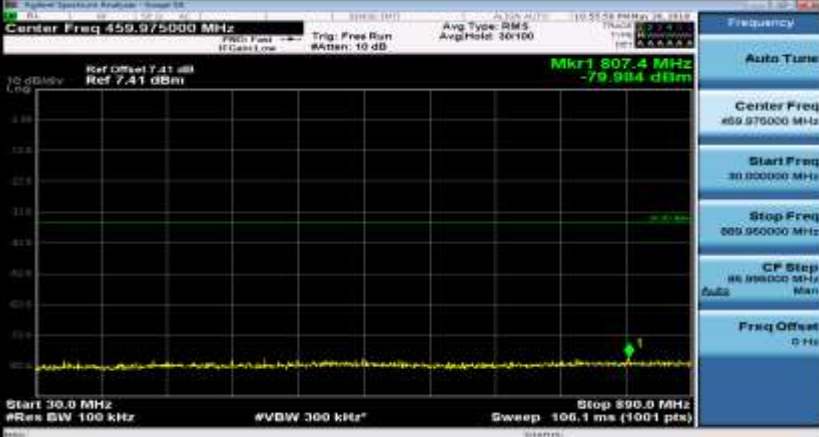
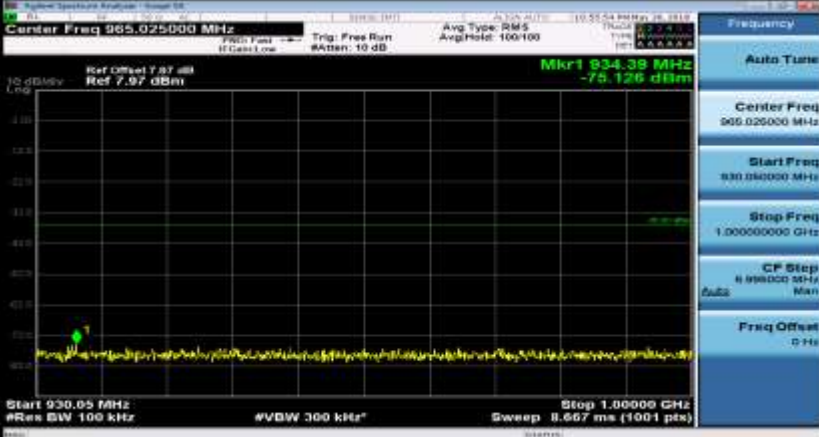
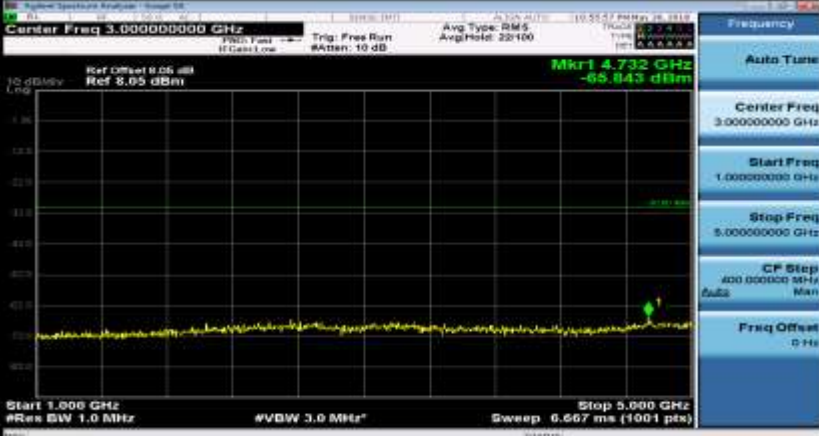
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Additional	NA


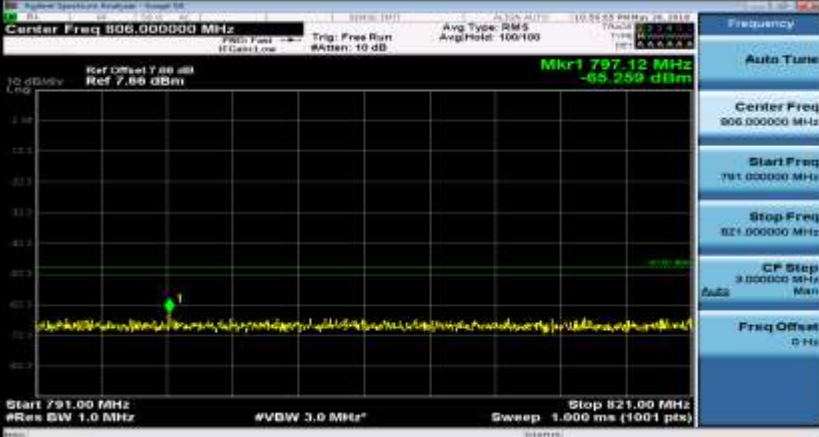
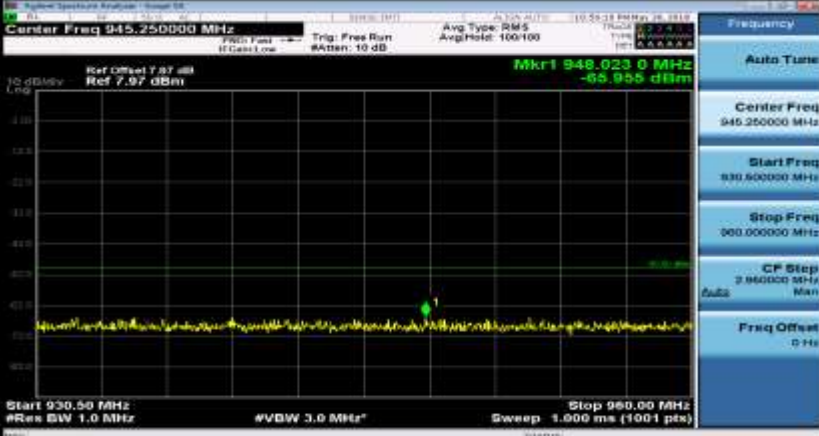
Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_1RB#0	
General	
General	

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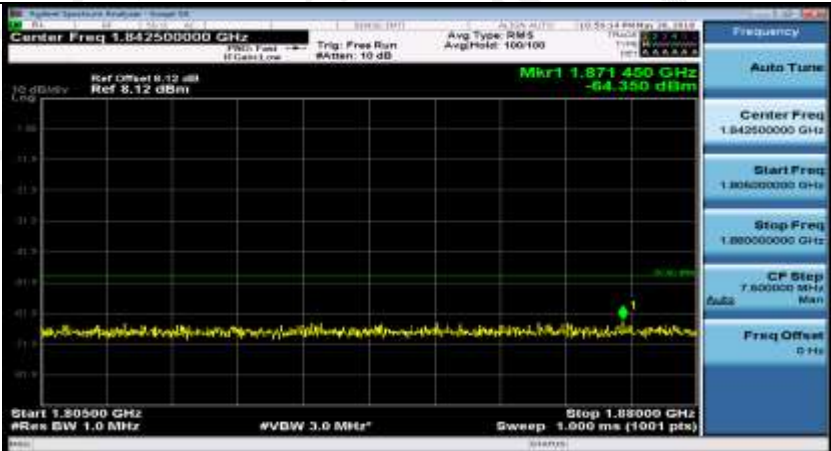
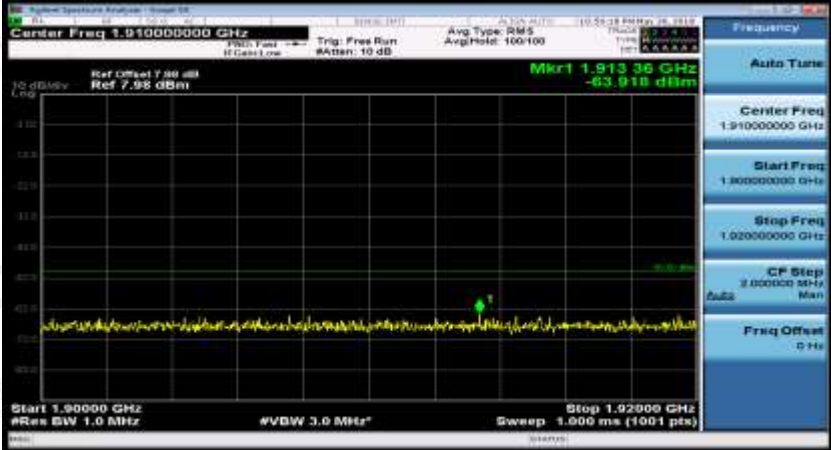
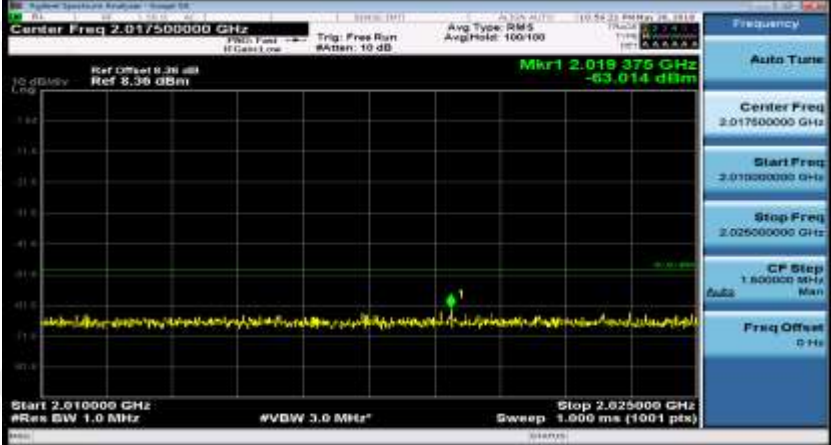
General			
General			
General			

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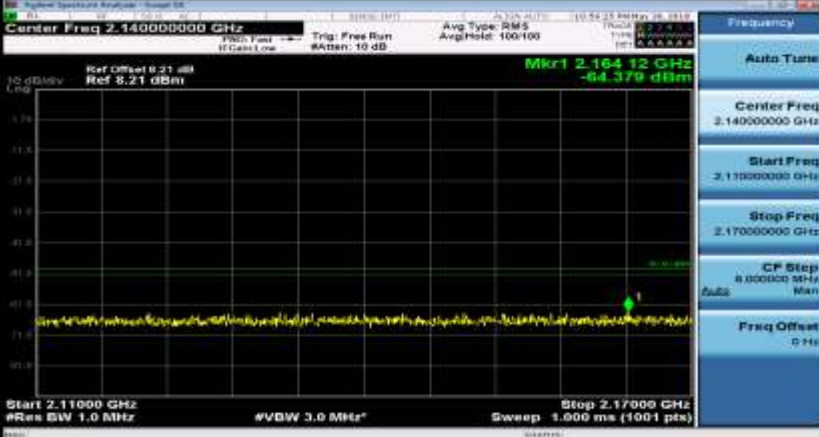
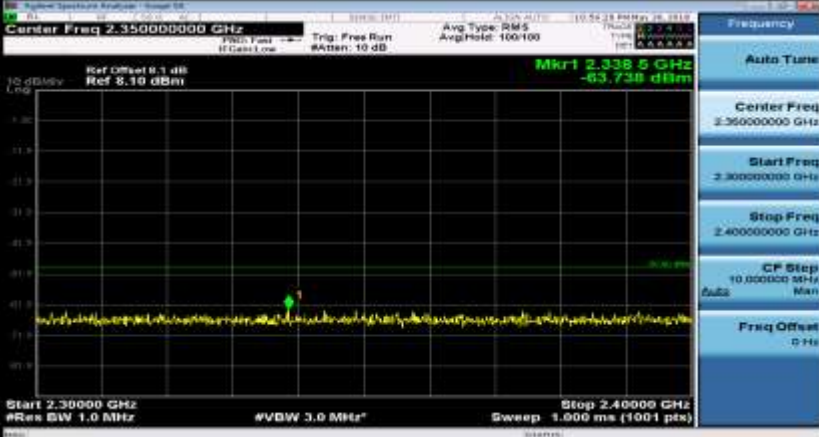

General			
Co-existence			
Co-existence			

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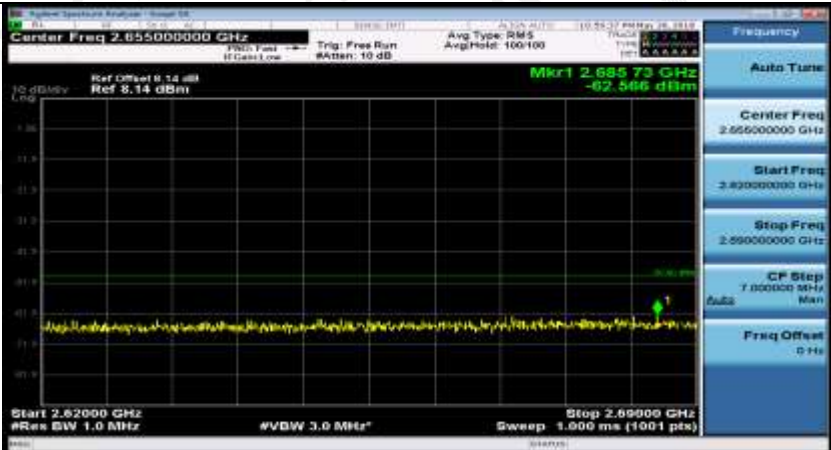
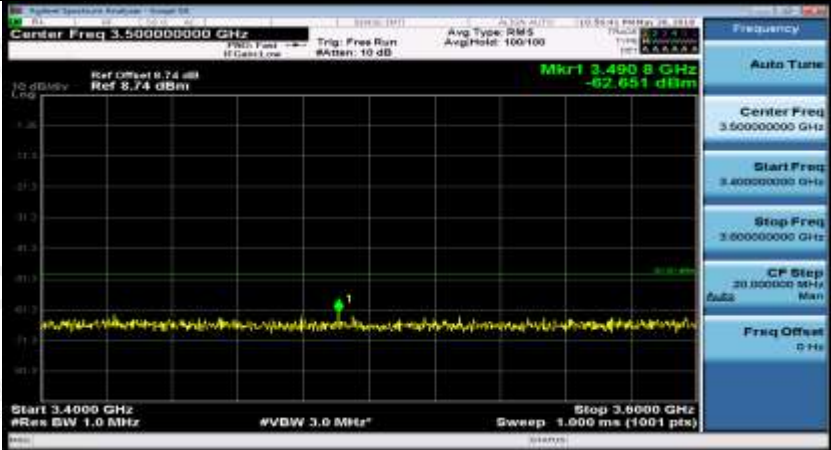
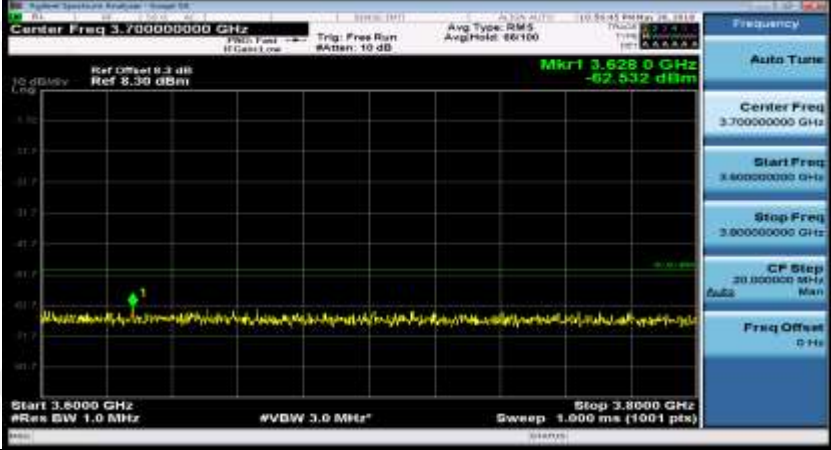
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

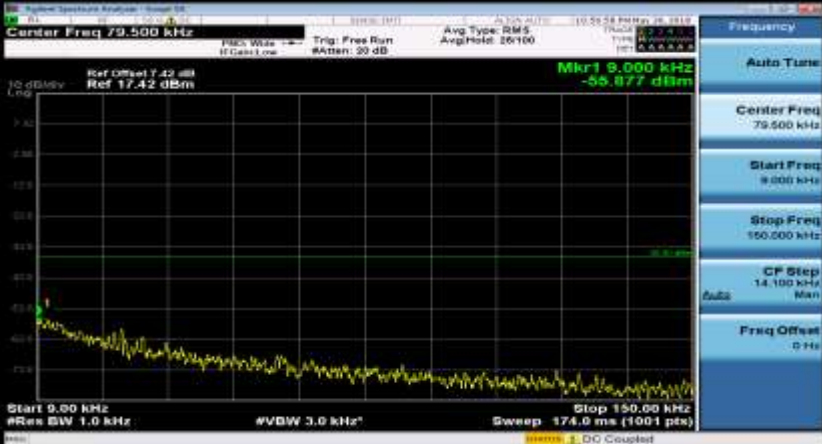

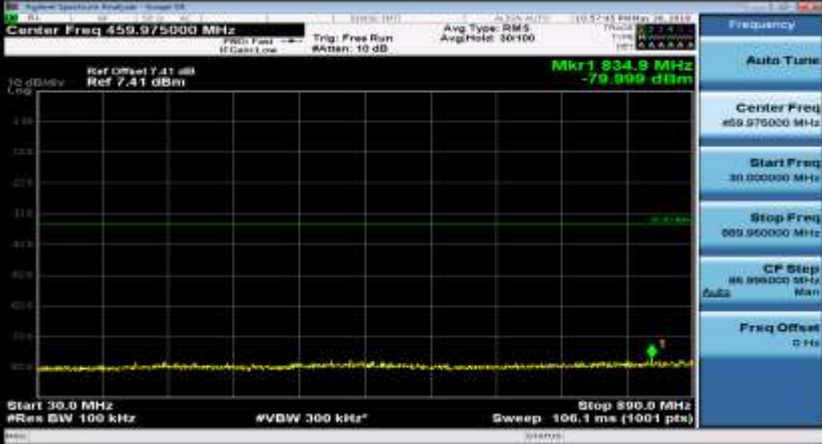
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

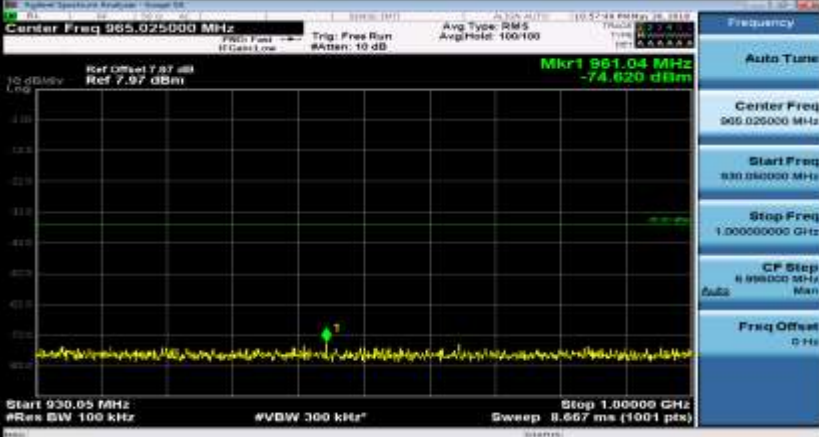


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Channel Bandwidth=Highest (10 MHz)\_QPSK\_HCH\_1RB#max

General		
General		
General		

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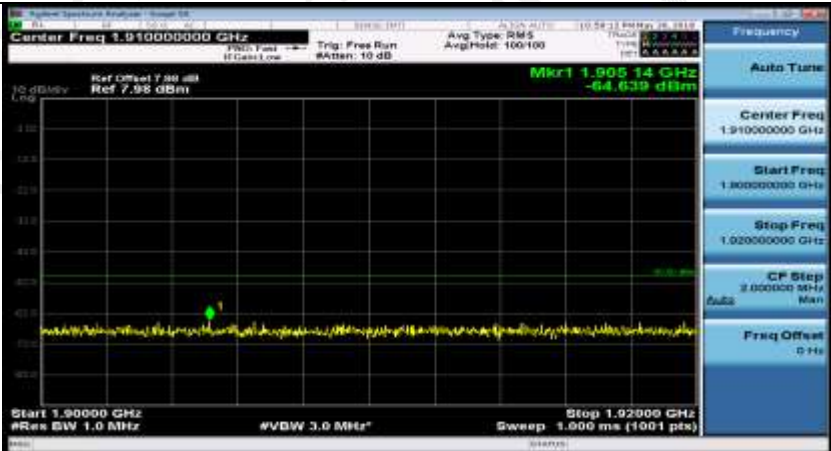
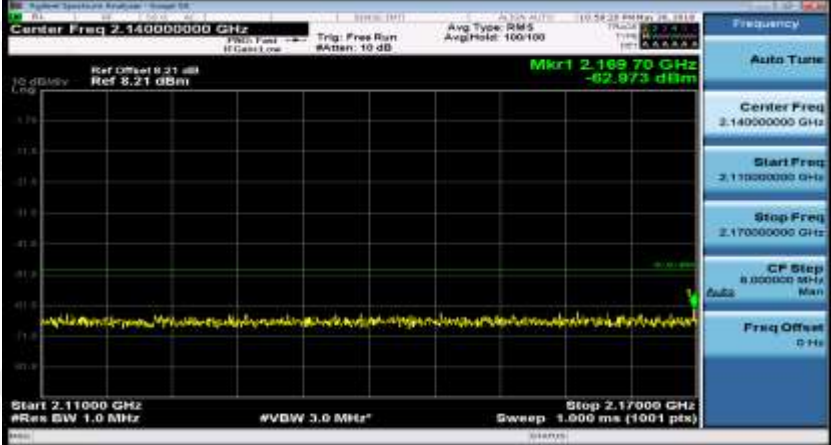
General			
General			
General			

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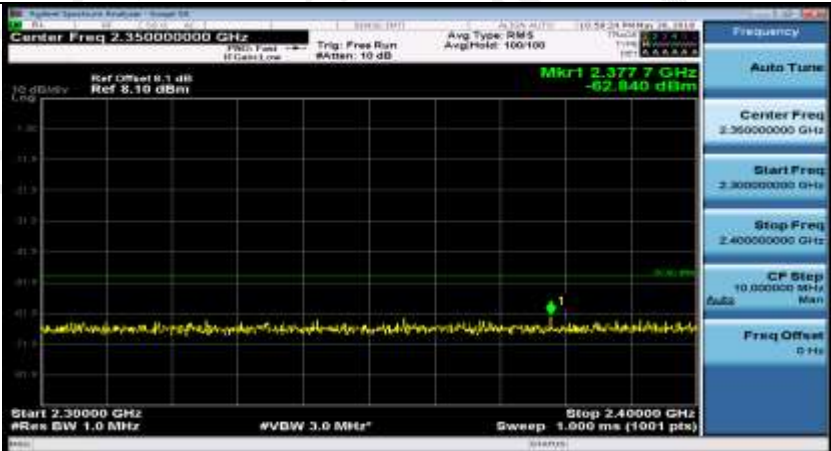
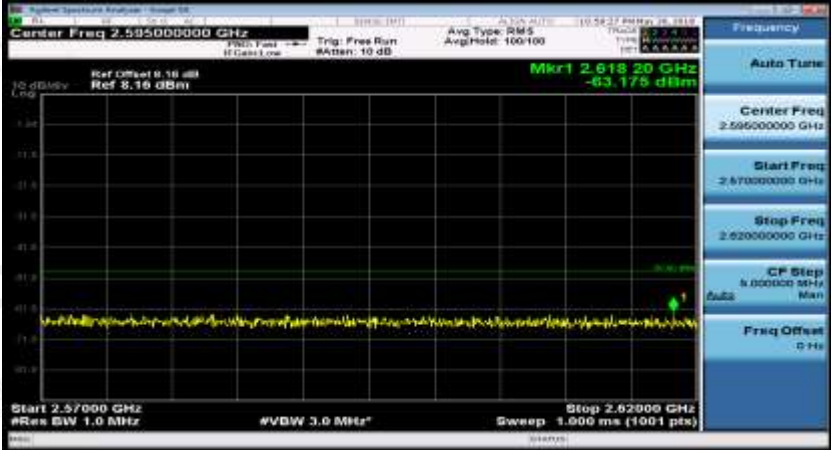
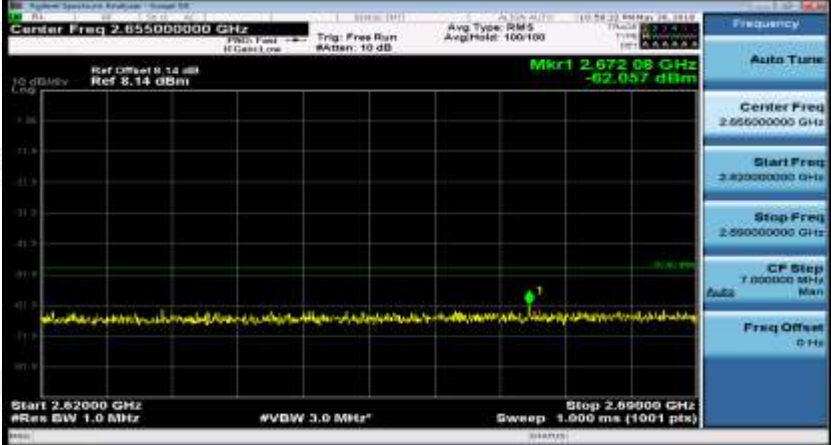
Co-existence			
Co-existence			
Co-existence			

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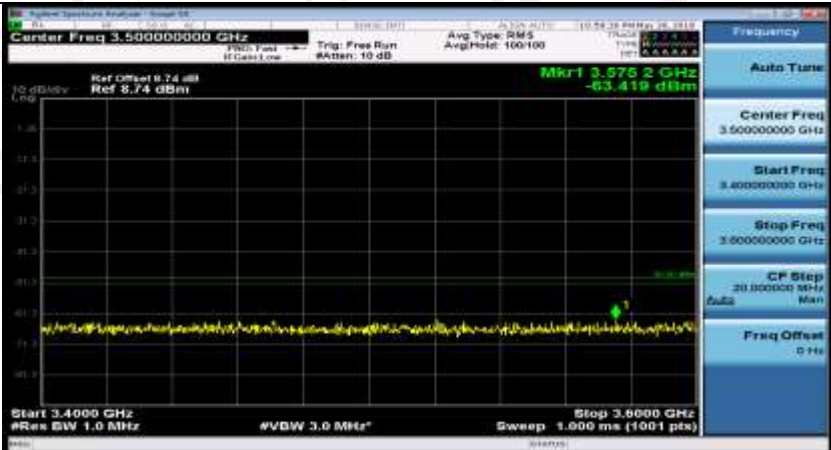
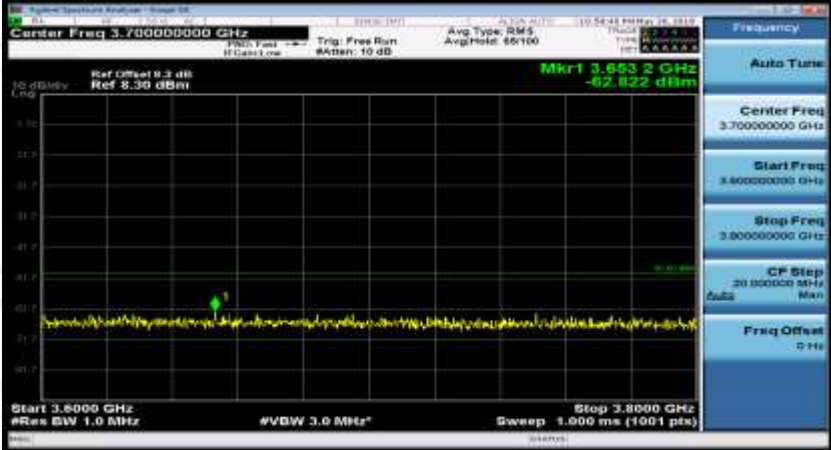
Co-existence	
Co-existence	
Co-existence	

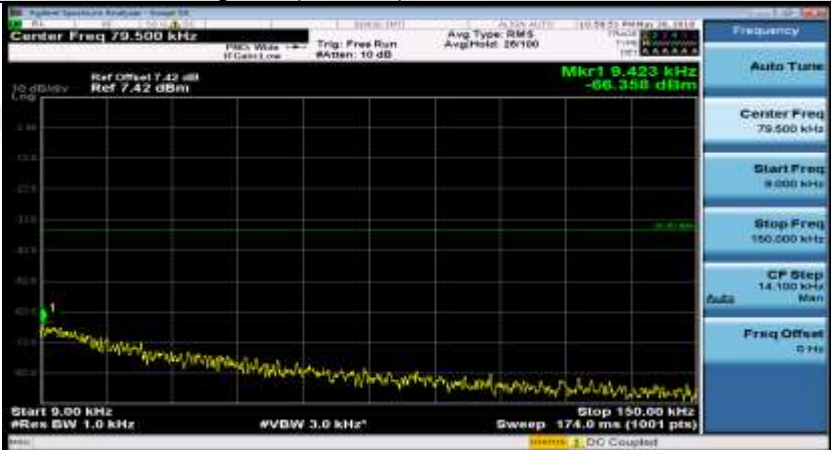
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

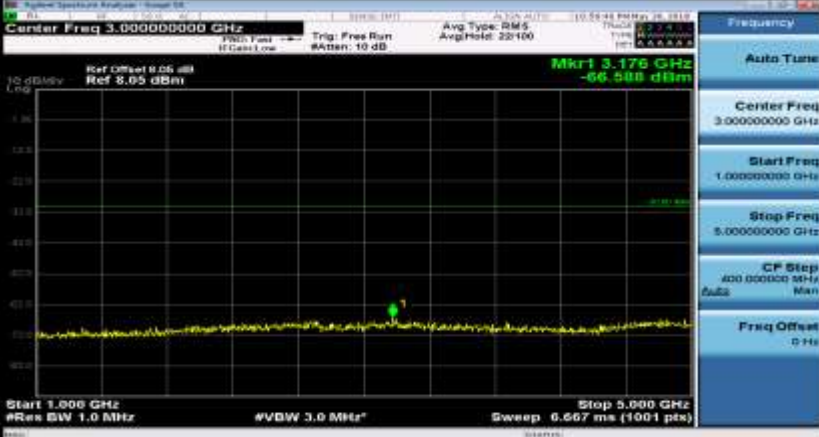


Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_FullIRB#0	
General	

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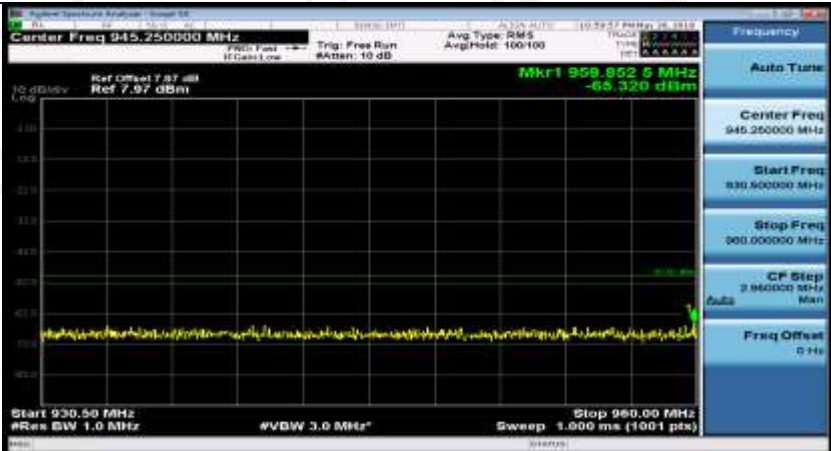
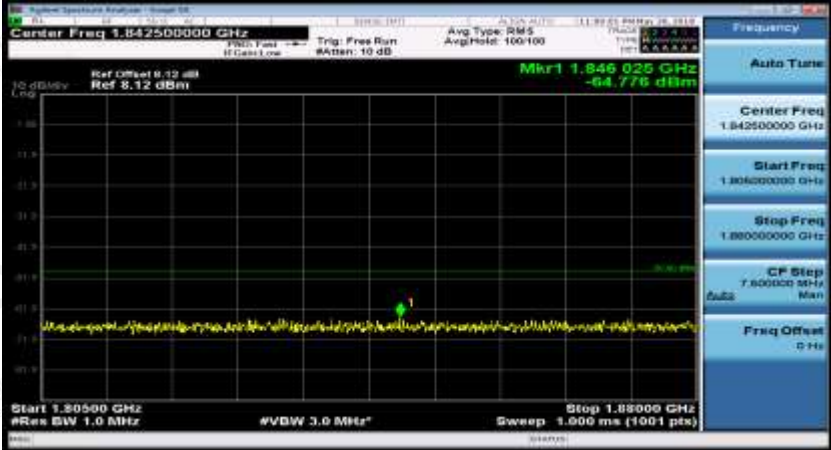
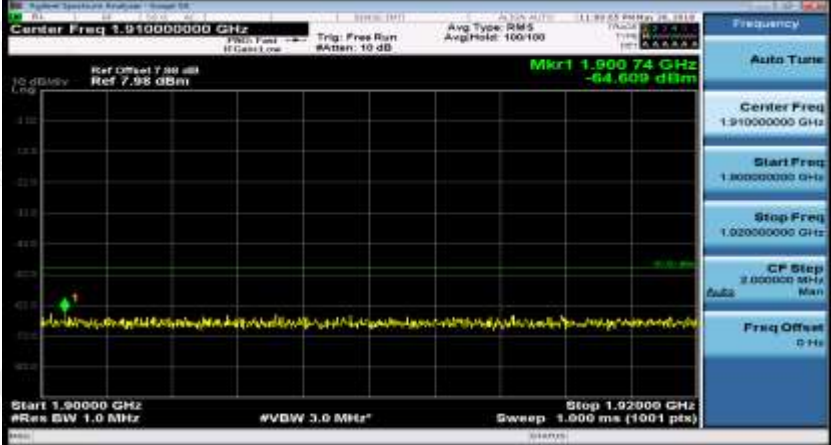
General			
General			
General			

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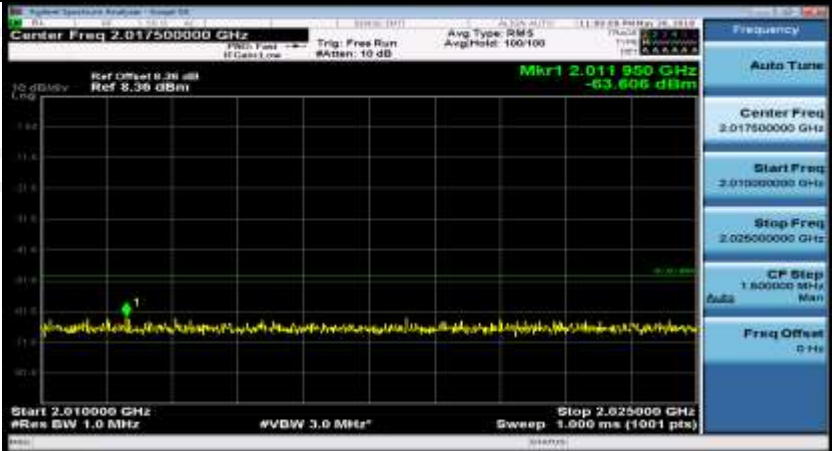
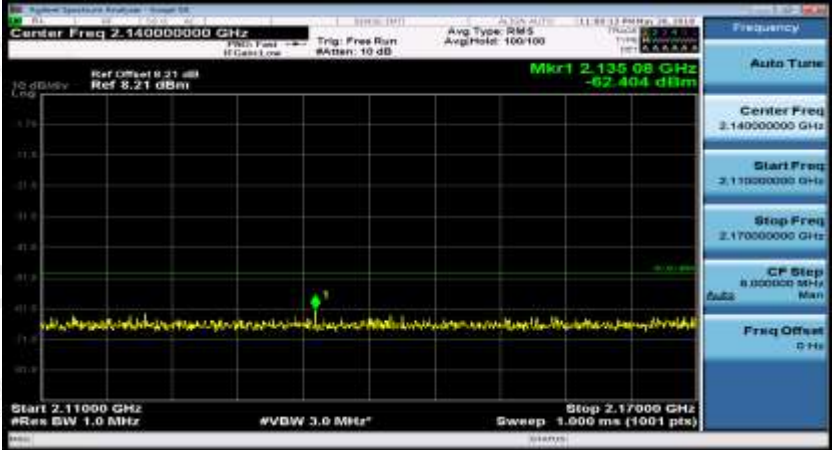
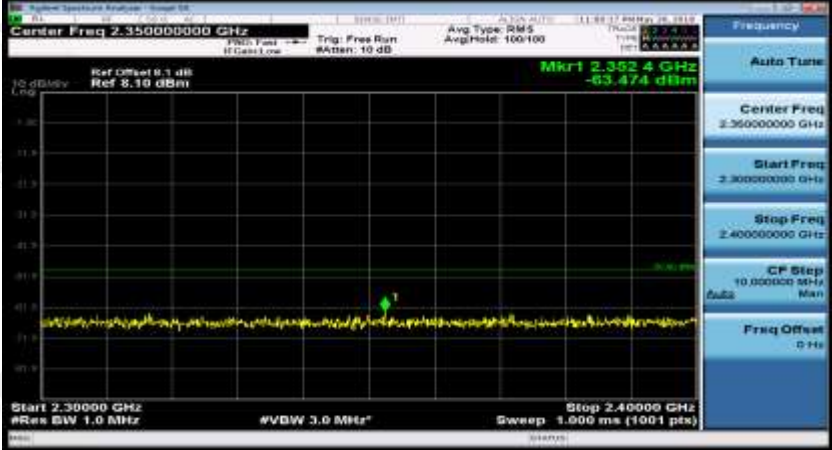
General			
General			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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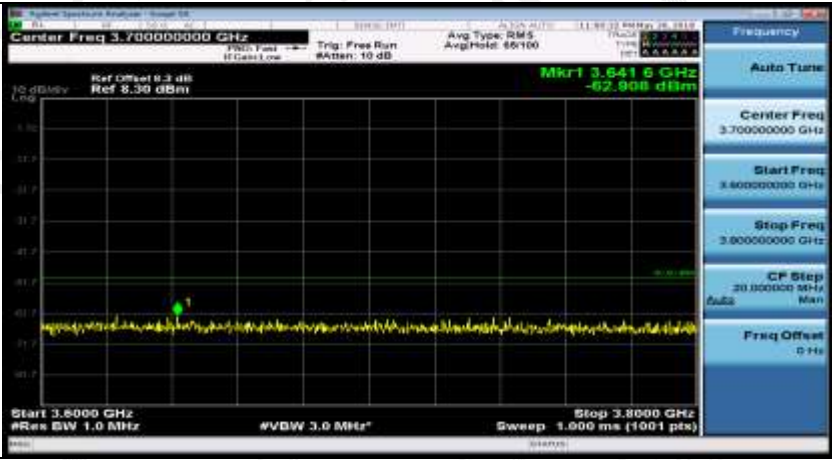
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

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## 6. Receiver Spurious Emissions

### Test Result

NTNV

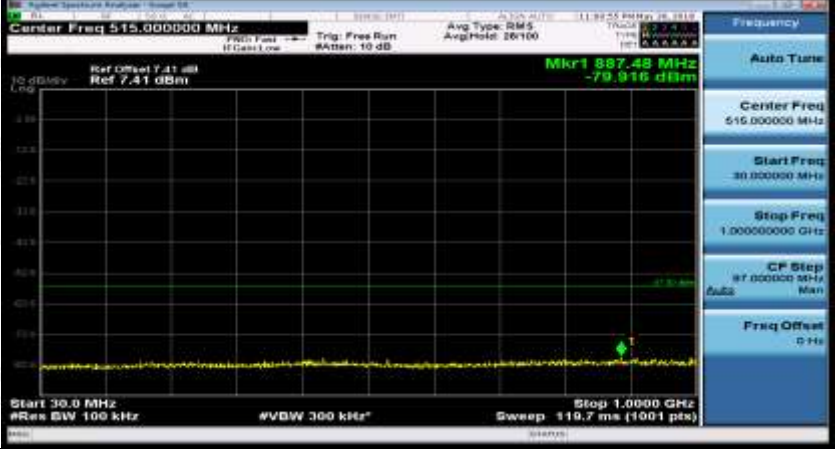

Channel Bandwidth=Highest

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_ORB#0	
LCH	
LCH	

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



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## 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, 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				

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## 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, 1.4MHz, 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

	<b>Downlink Configuration</b>		<b>Uplink Configuration</b>		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 %
<b>Verdict</b>	<b>Pass</b>				

#### 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 %
Verdict	Pass				

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Narrow Band

Test Environment	NC				
Test Frequencies	Mid range				
Test Channel Bandwidths	Lowest, 1.4MHz, Highest 10MHz				
Test Parameters for Channel Bandwidths					
	Downlink Configuration				Downlink Configuration
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK
5MHz	QPSK	5MHz	QPSK	10MHz	QPSK
10MHz	QPSK	10MHz	QPSK	20MHz	QPSK
Verdict	Pass				

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## 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, 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				

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## 10. Receiver Intermodulation Characteristics

### Test Results

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

Test Band	Band 8					
Test Environment	NC					
Test Frequencies	Mid range					
Test Channel Bandwidths	Lowest, 1.4MHz, Highest 10MHz					
Test Parameters for Channel Bandwidths						
	Downlink Configuration				Downlink Configuration	
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n	Ch BW
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz
5MHz	QPSK	5MHz	QPSK	5MHz	QPSK	5MHz
10MHz	QPSK	10MHz	QPSK	10MHz	QPSK	10MHz
Verdict	Pass					

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## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

TLTV

	Test Band			Band 8			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,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		
TLVL	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					

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## 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	-78.13	-78.42	-78.82
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-62.11	-62.75	-62.89
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-67.15	-67.42	-67.98

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## Appendix E for Band 20

### 1. Transmitter Maximum Output Power

#### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTLV

#### 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		
LTLVI	QPSK	5 MHz	Low range	1	0	22.89	Pass
					max	23.11	Pass
				Partial	0	23.08	Pass
					max	23.19	Pass
			Mid range	1	0	23.16	Pass
					max	23.14	Pass
				Partial	0	23.25	Pass
					max	23.17	Pass
			High range	1	0	22.98	Pass
					max	23.06	Pass
				Partial	0	22.99	Pass
					max	23.12	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		
LTLV	QPSK	20 MHz	Low range	1	0	23.12	Pass
					max	23.29	Pass
				Partial	0	23.08	Pass
					max	23.09	Pass
			Mid range	1	0	23.25	Pass
					max	23.23	Pass
				Partial	0	23.10	Pass
					max	23.20	Pass
			High range	1	0	23.26	Pass
					max	23.21	Pass
				Partial	0	23.31	Pass
					max	23.12	Pass

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## 2. Transmitter Minimum Output Power

### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

HTHV

#### 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		
HTHV	QPSK	5 MHz	Low range	Full	0	-48.88	Pass
			Mid range	Full	0	-51.13	Pass
			High range	Full	0	-50.69	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		
HTHV	QPSK	20 MHz	Low range	Full	0	-50.19	Pass
			Mid range	Full	0	-50.84	Pass
			High range	Full	0	-51.02	Pass

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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTVN

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5MHz)							
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

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			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

**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

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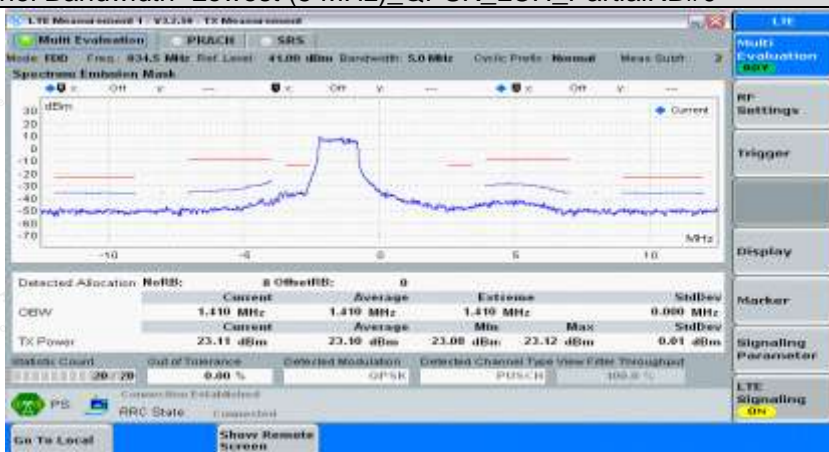
## Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

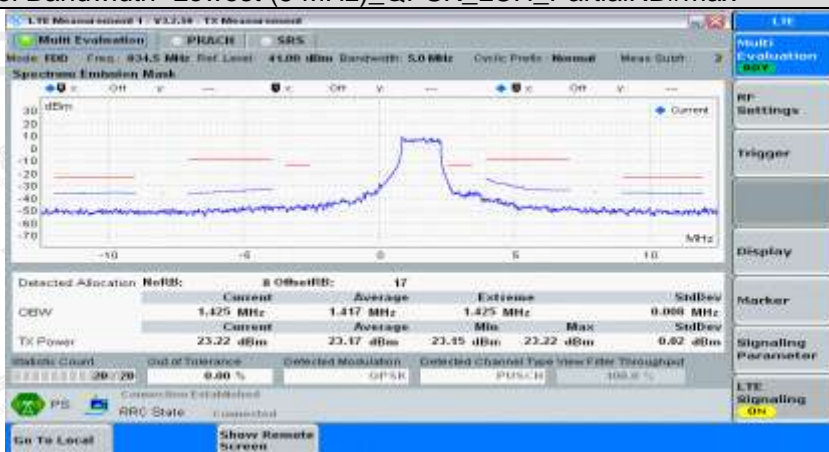
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QPSK



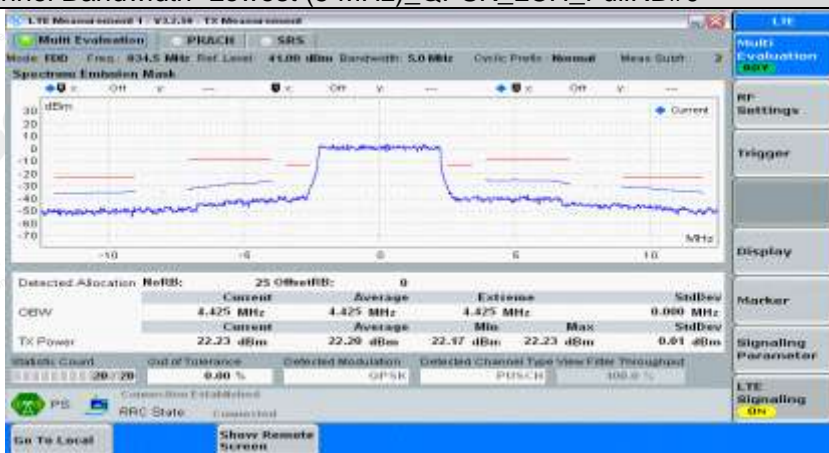
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max

QPSK



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

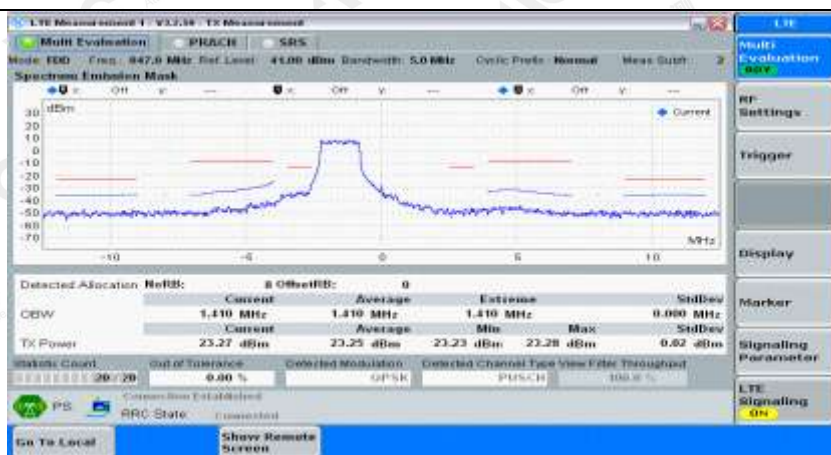
QPSK



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

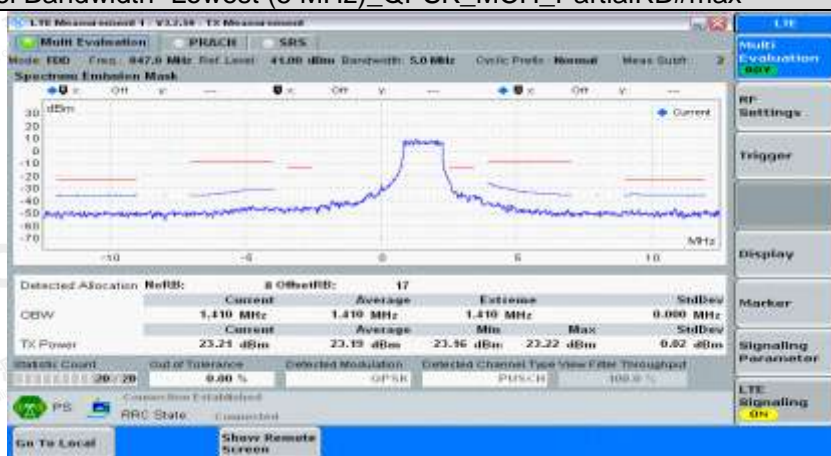
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QPSK



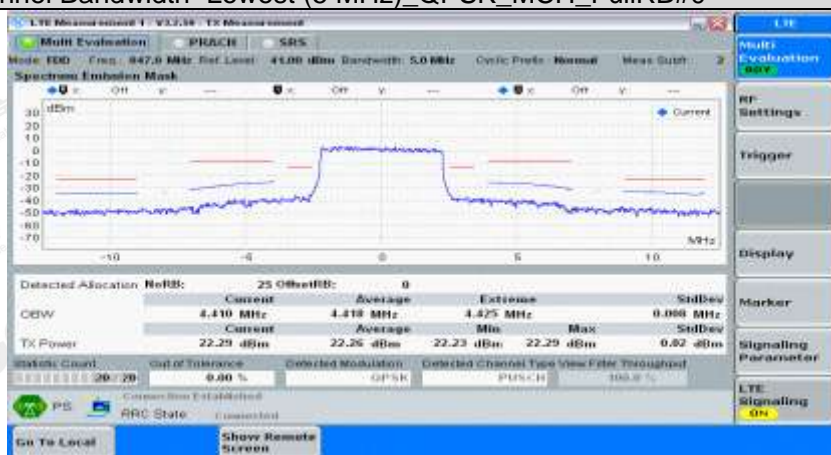
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_PartialRB#max

QPSK



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

QPSK

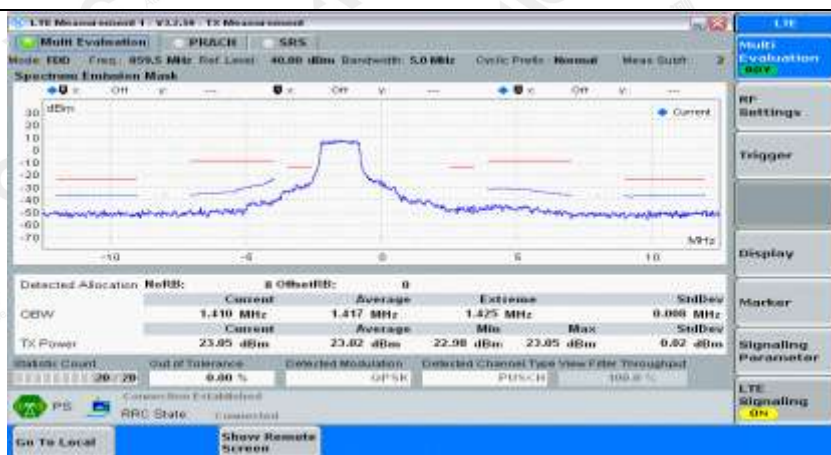


Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_PartialRB#0

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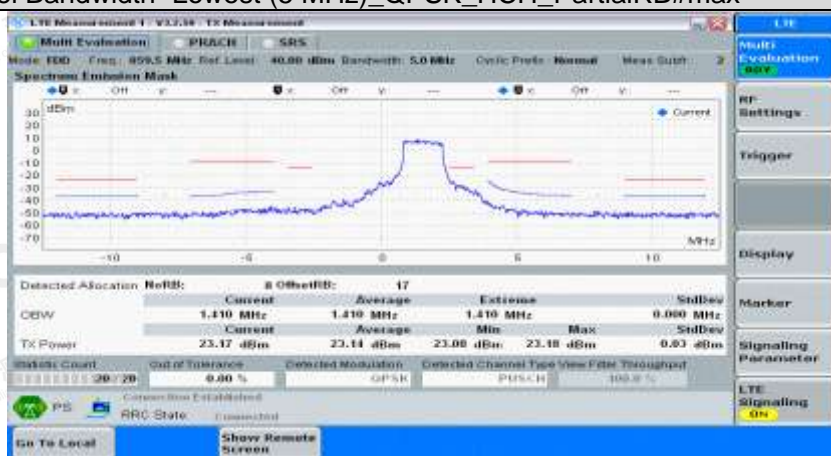


QPSK



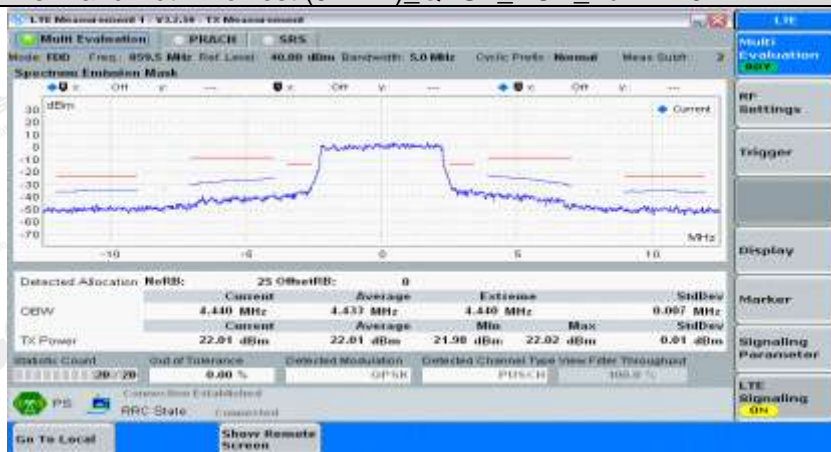
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_PartialRB#max

QPSK



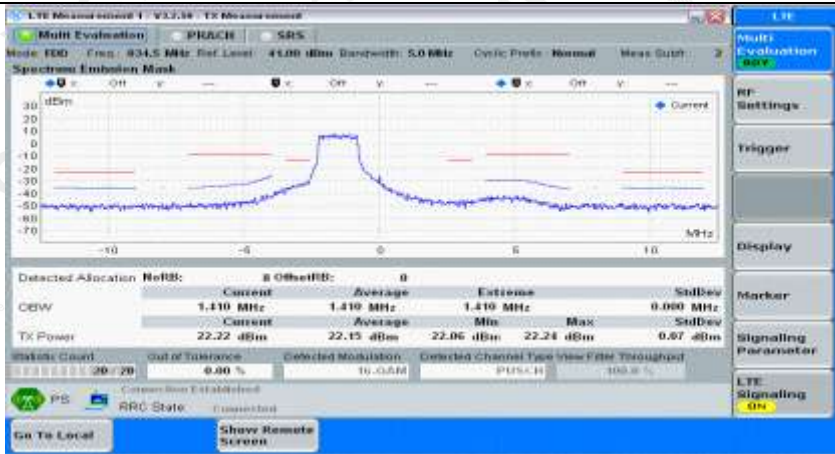
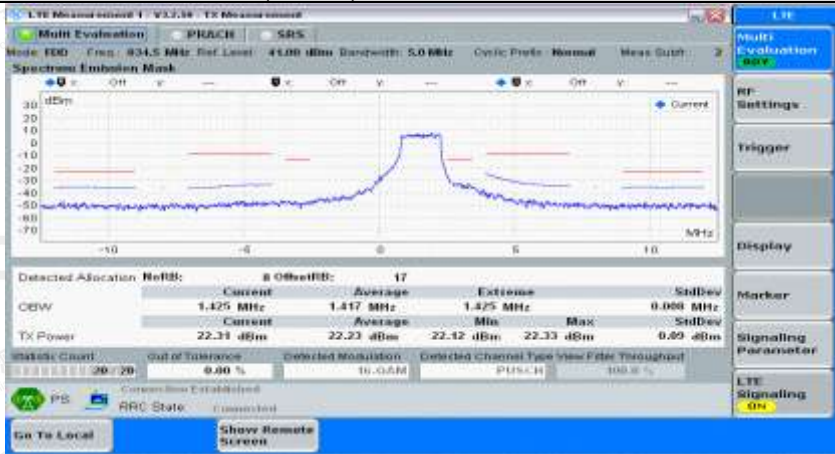
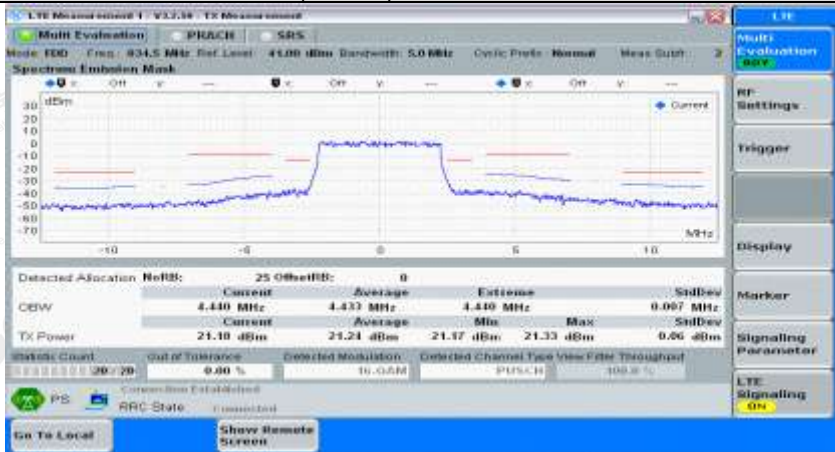
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_FullRB#0

QPSK



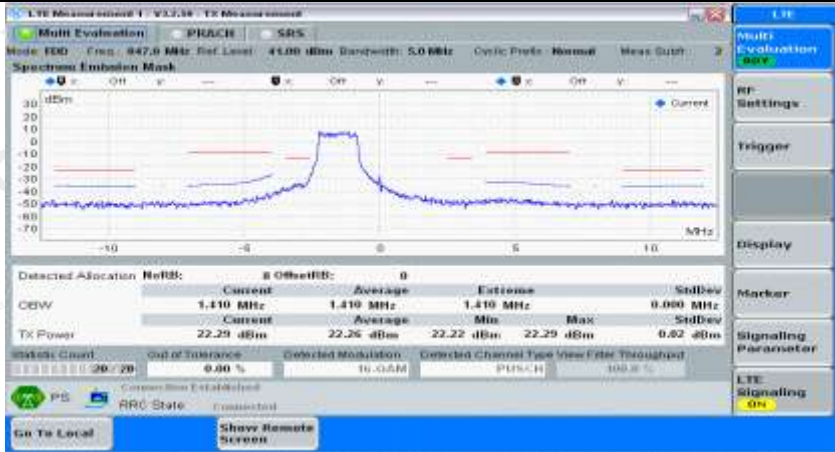
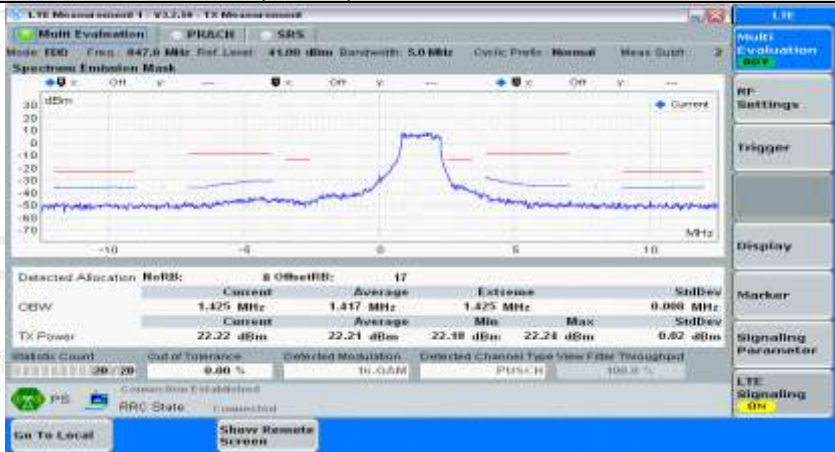
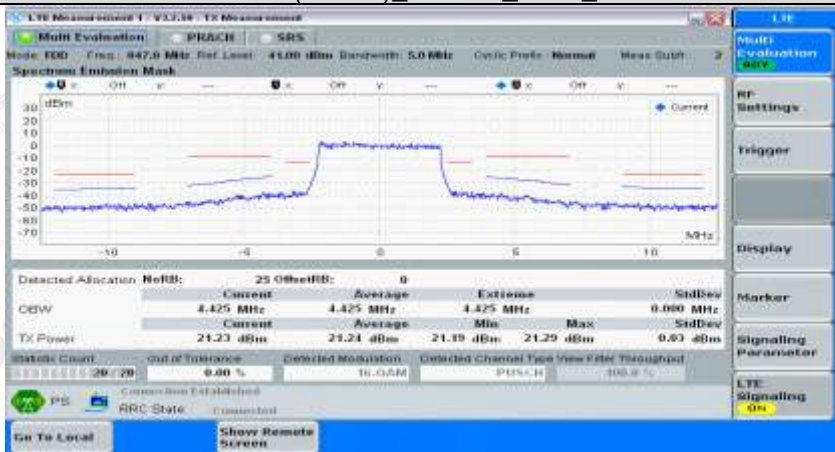
Channel Bandwidth=Lowest (5 MHz)\_16QAM\_LCH\_PartialRB#0

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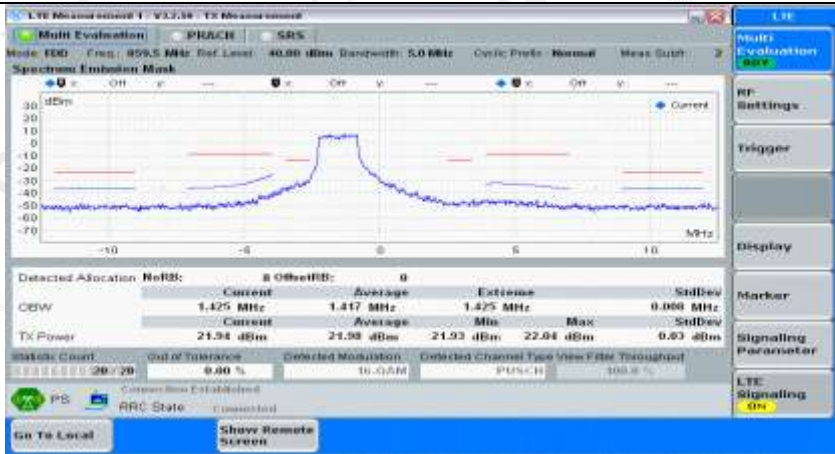
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

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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	

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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

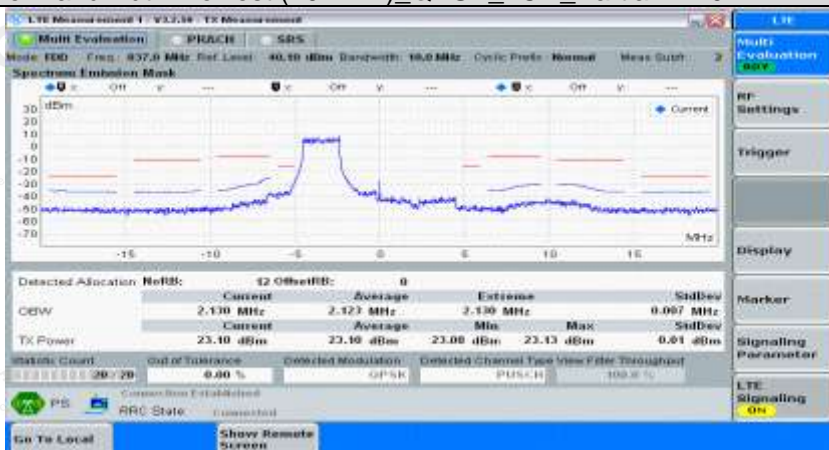
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**Channel Bandwidth= (10 MHz)**

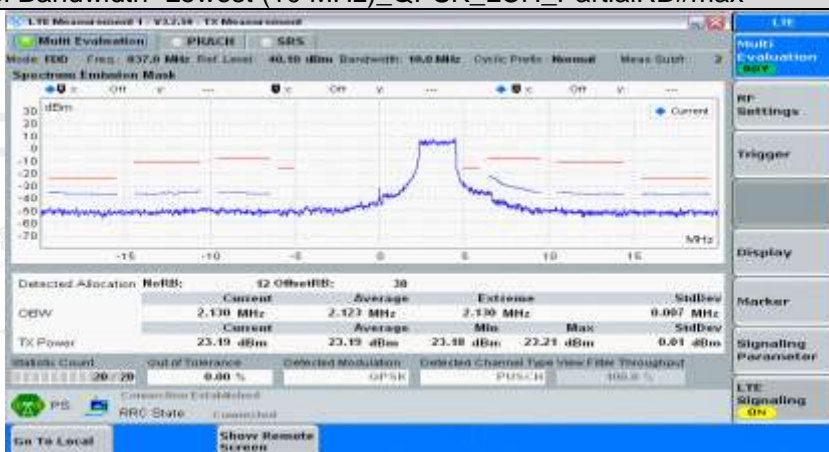
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



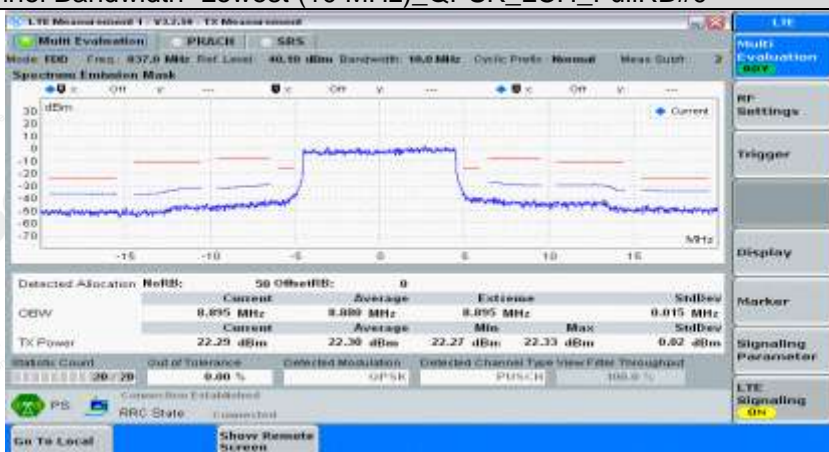
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK



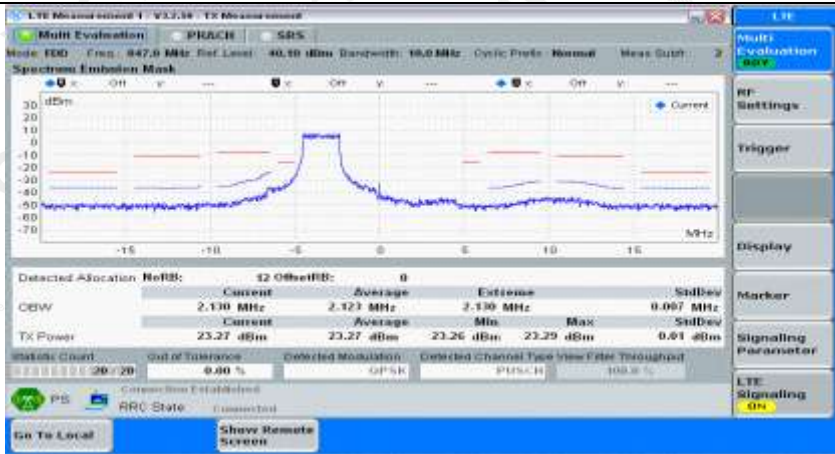

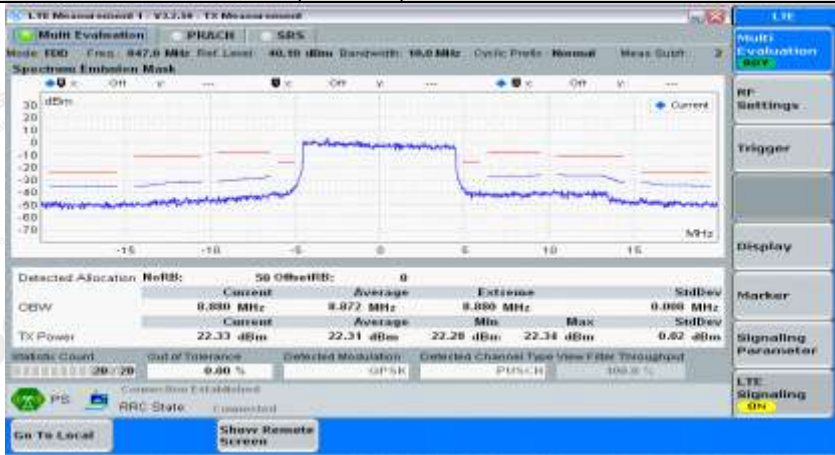
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_FullRB#0**

QPSK



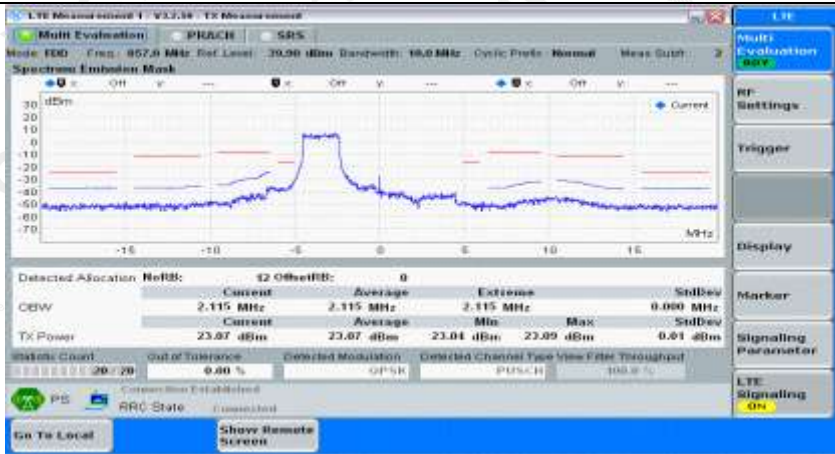
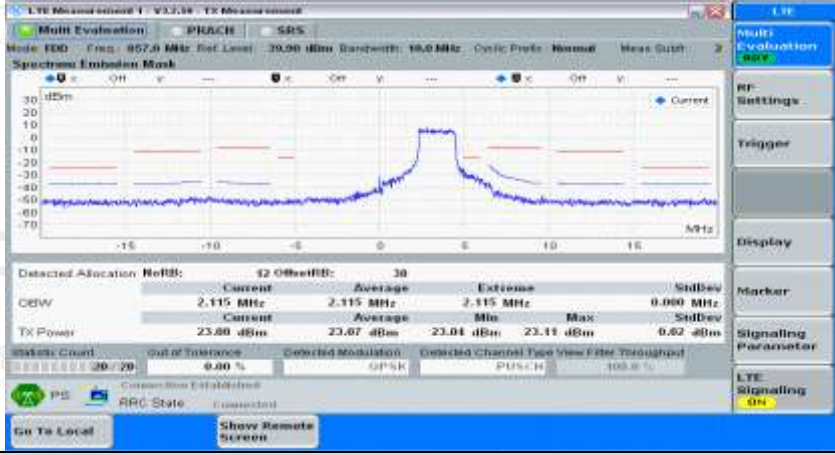
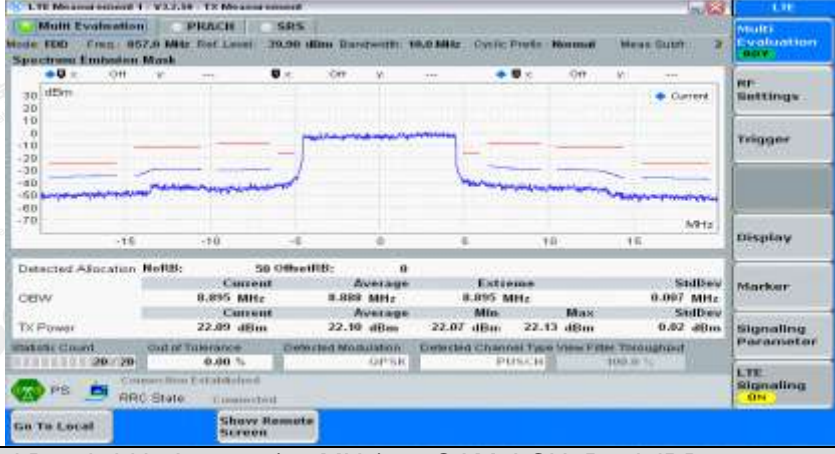
**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_PartialRB#0**

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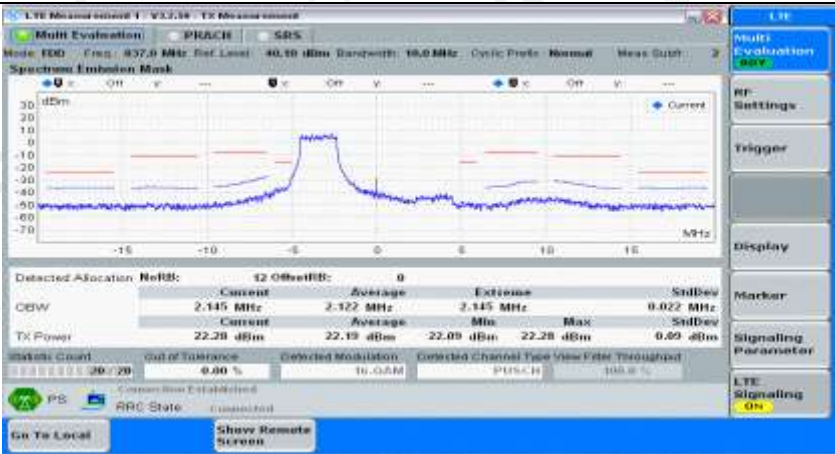
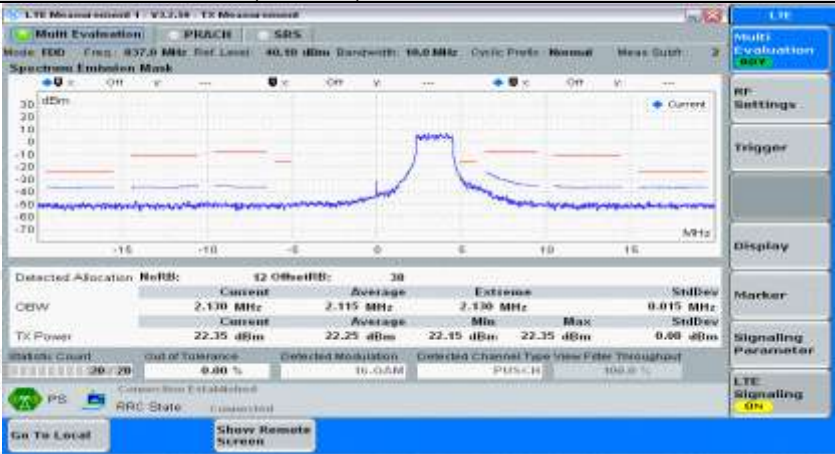
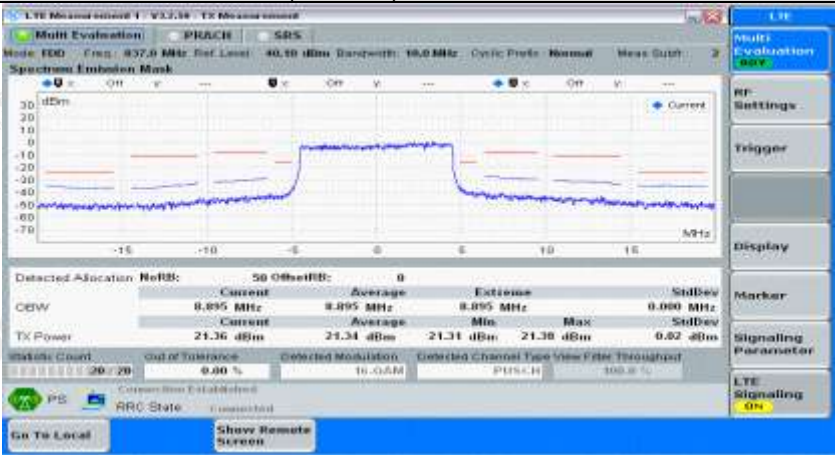
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

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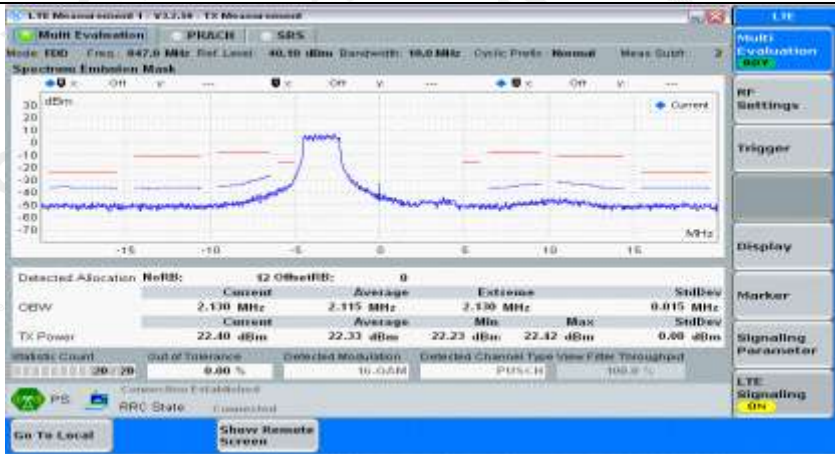
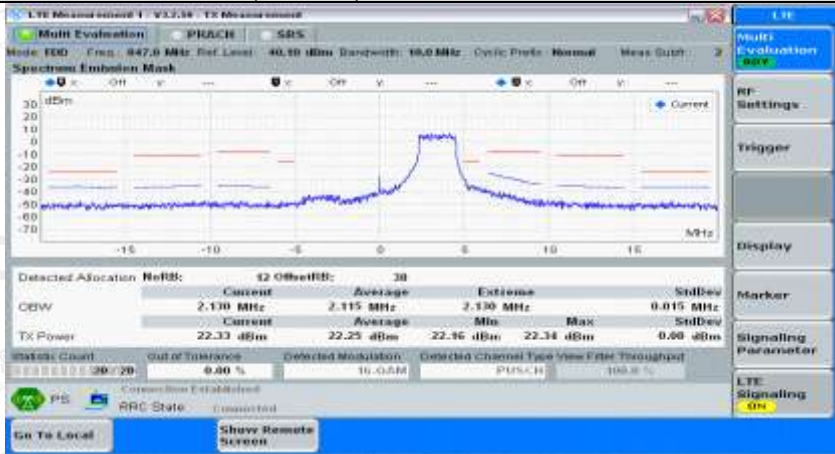
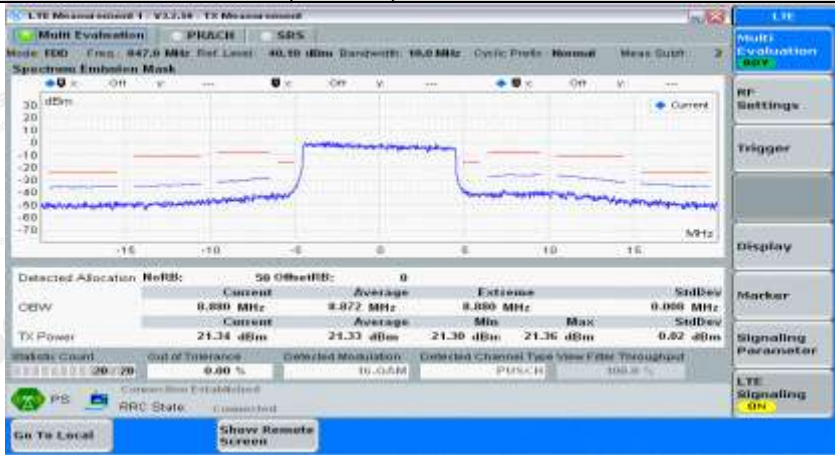
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

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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	

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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	

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

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

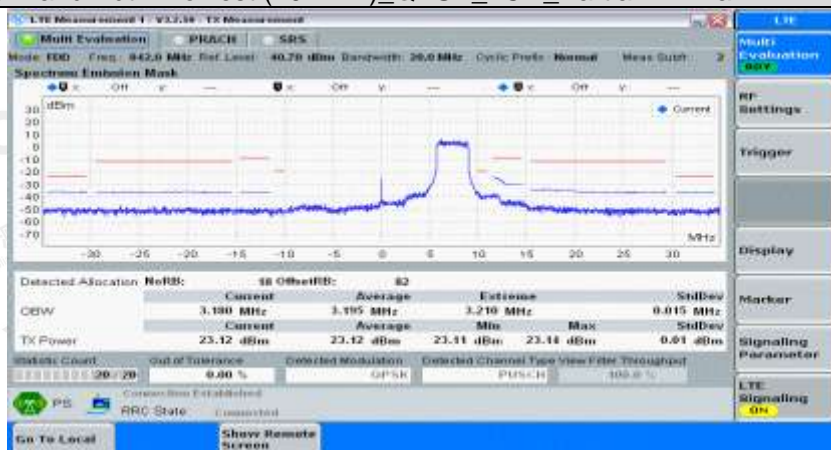
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0**

QPSK



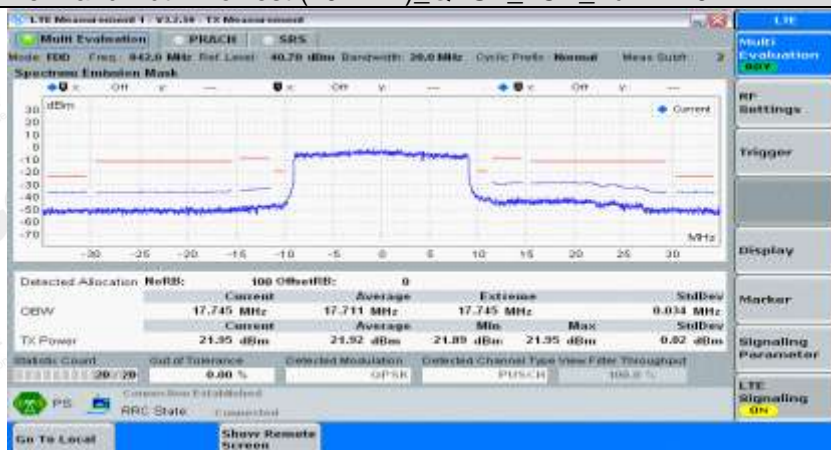
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max**

QPSK




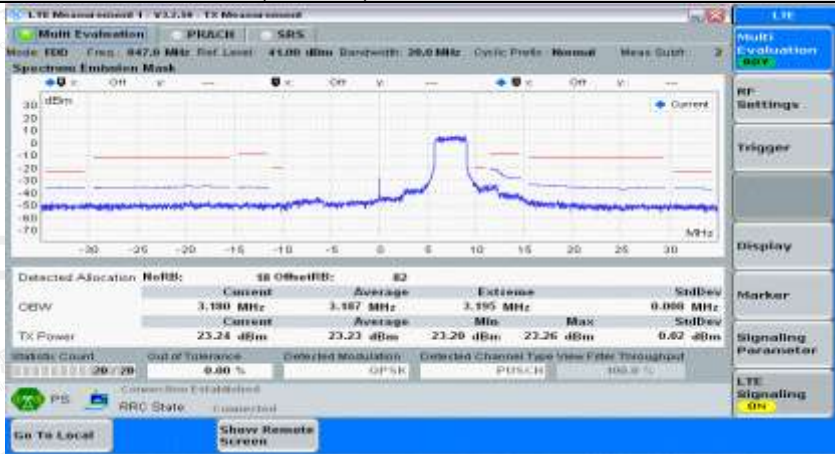
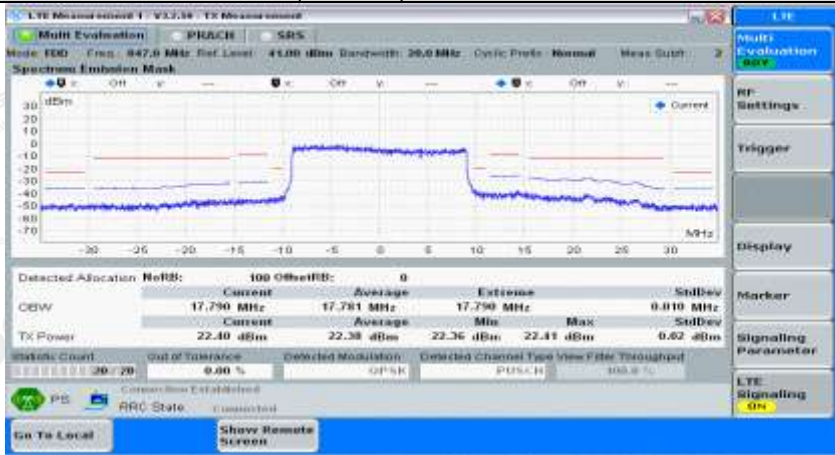
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_FullRB#0**

QPSK



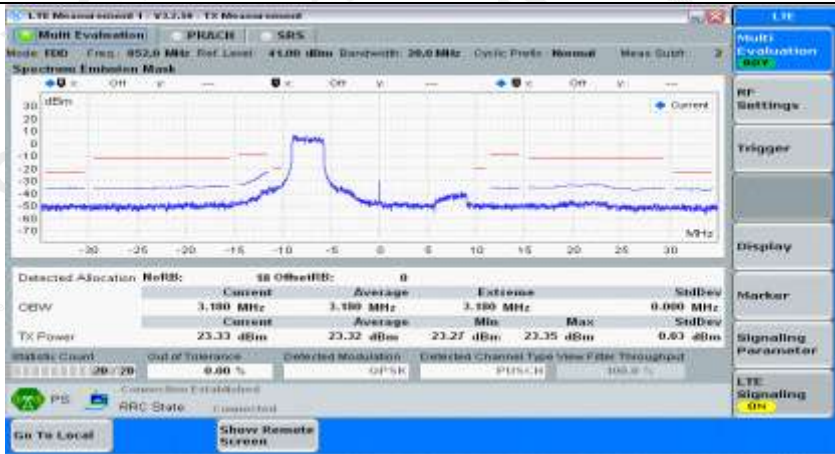
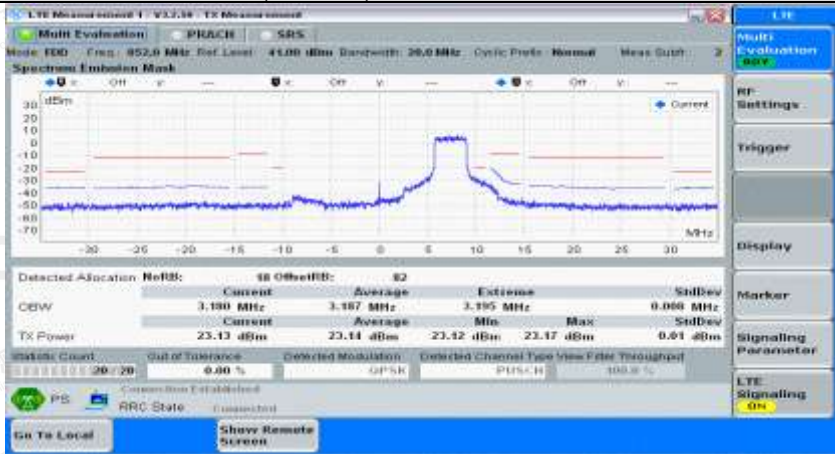
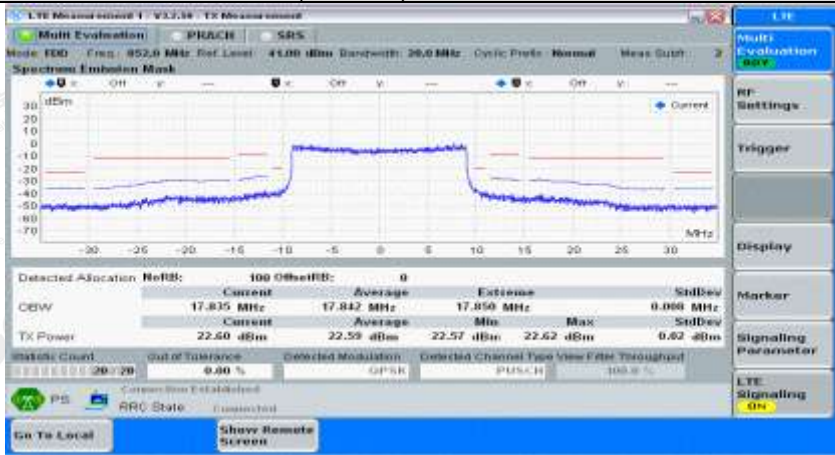
**Channel Bandwidth=Lowest (20 MHz)\_QPSK\_MCH\_PartialRB#0**

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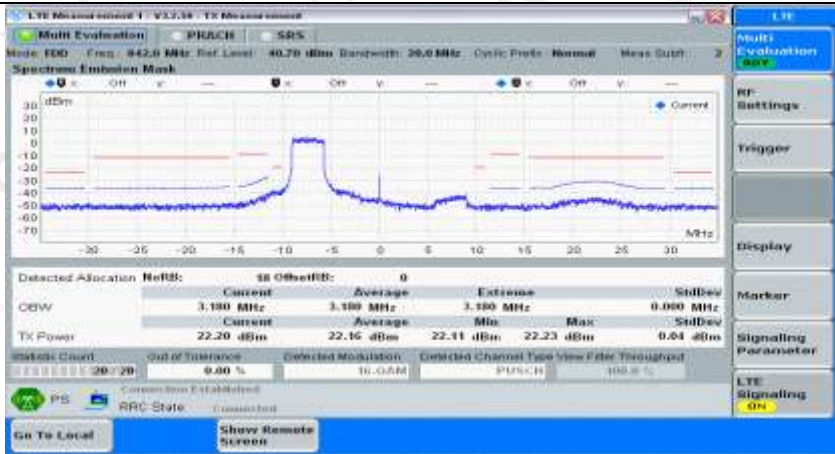
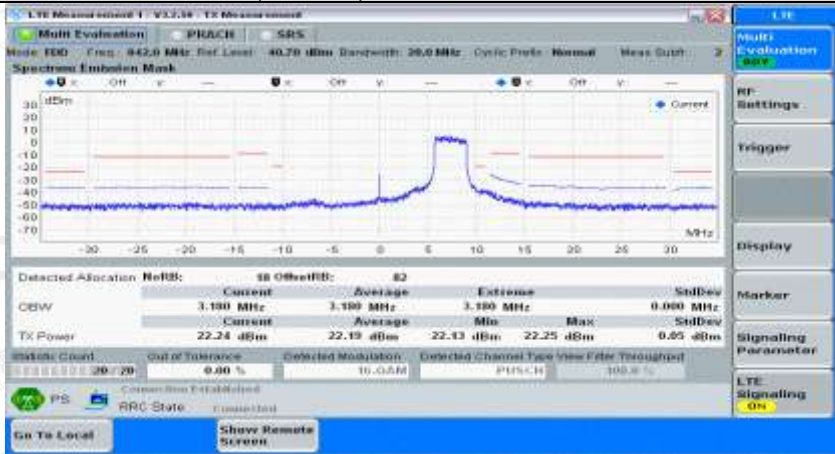
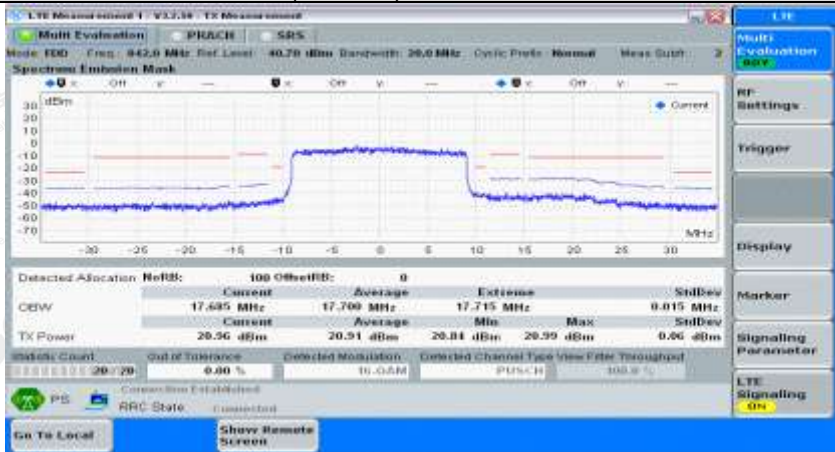
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

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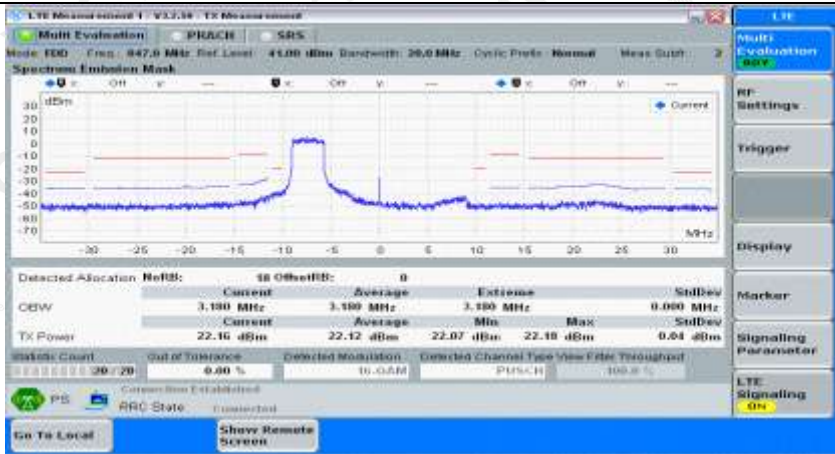
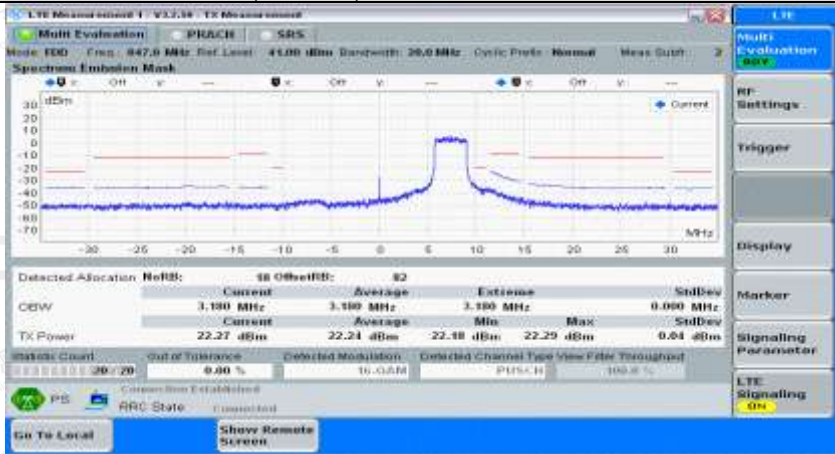
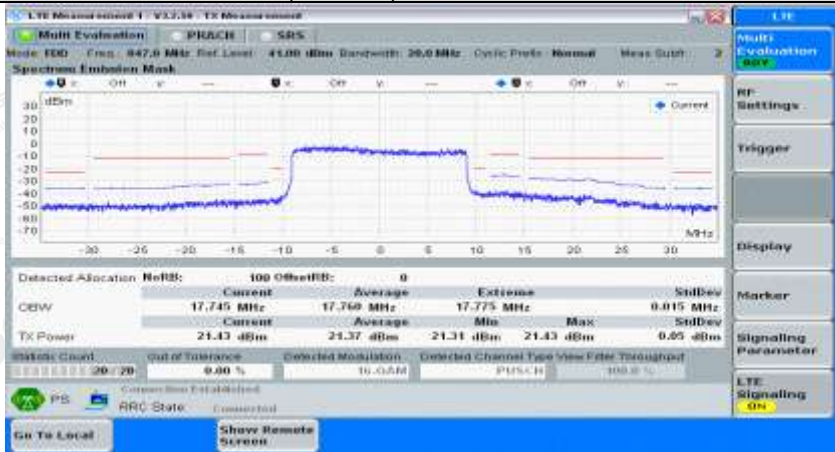
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	

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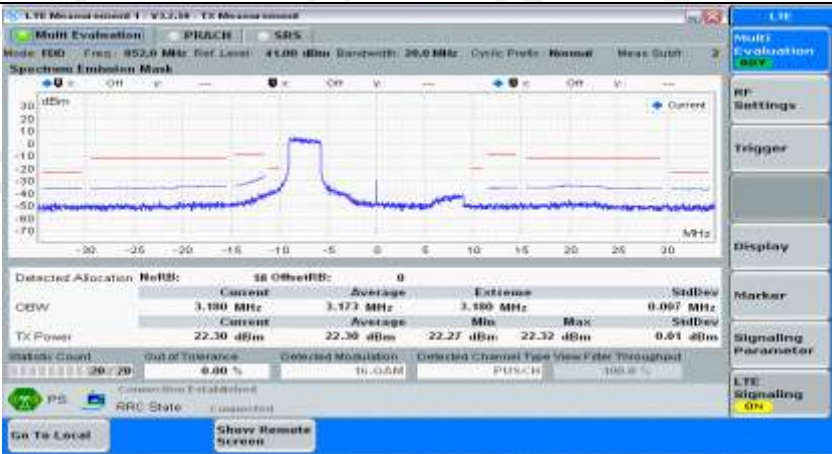
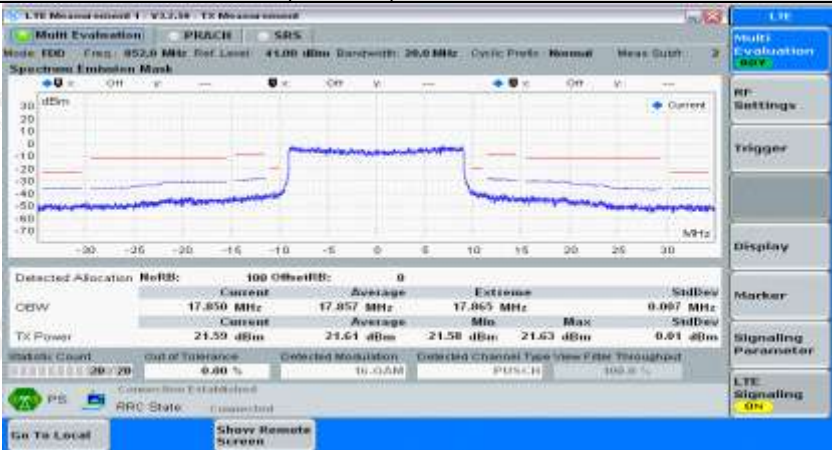
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	

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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	

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

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

##### Test Result

Note: All the modes had been tested, but only the worst data recorded in the report.

LTLV

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			
LTLV	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		
LTLV	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

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	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		
LTLV	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

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## Test Graphs

LTLV

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\_FullRB#0

QPSK






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

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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>

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

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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>

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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>

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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	

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**Channel Bandwidth= (10 MHz)**

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

QPSK



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

QPSK



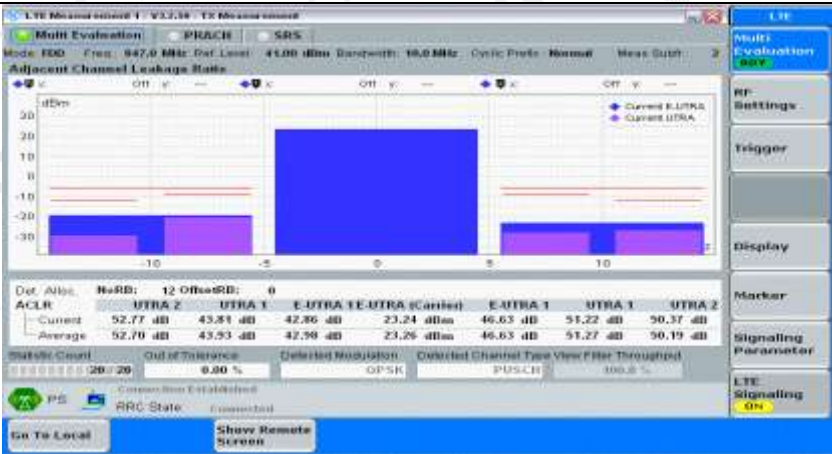


**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_FullRB#0**

QPSK



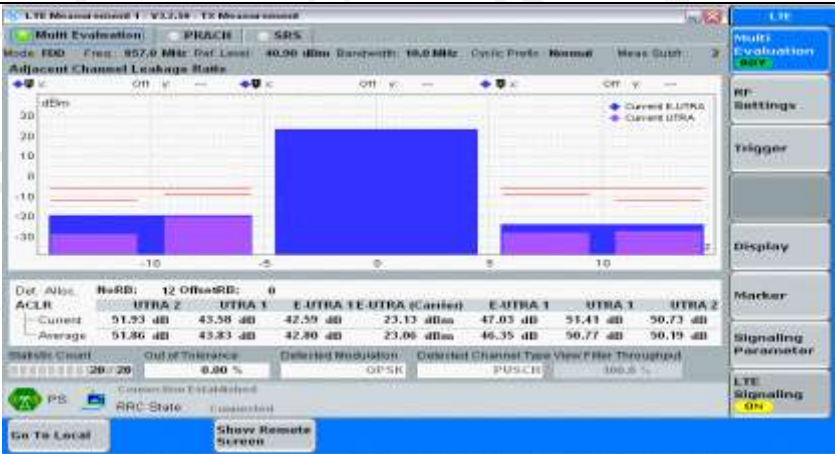


**Channel Bandwidth=Lowest (10 MHz)\_QPSK\_MCH\_PartialRB#0**

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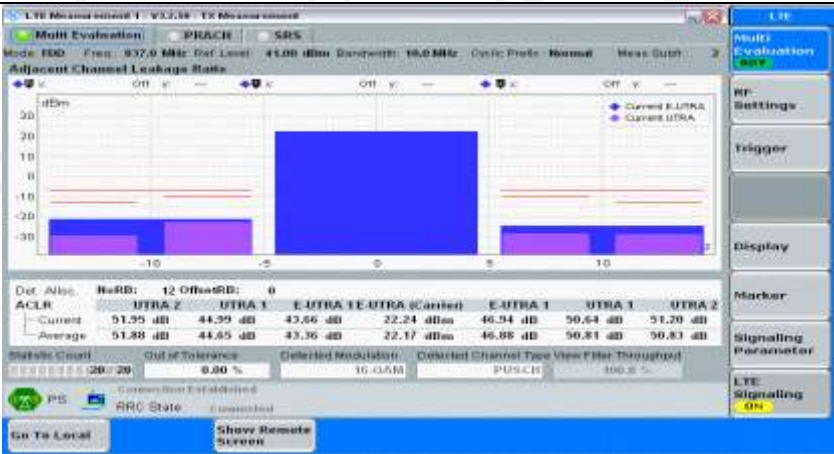
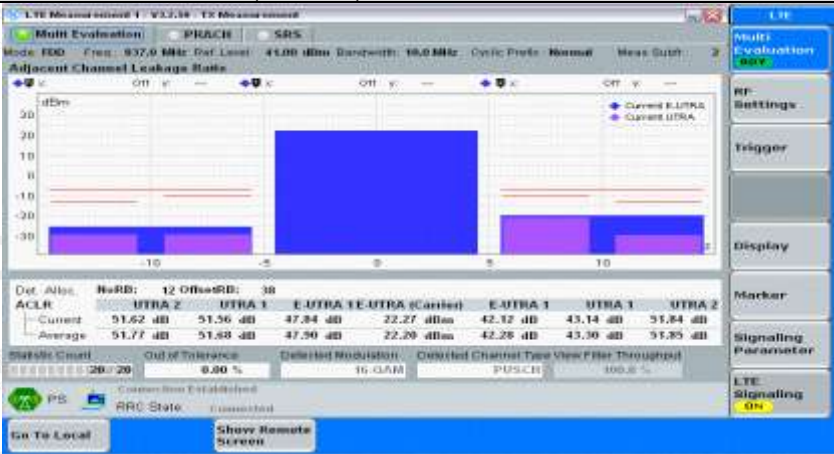

QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>

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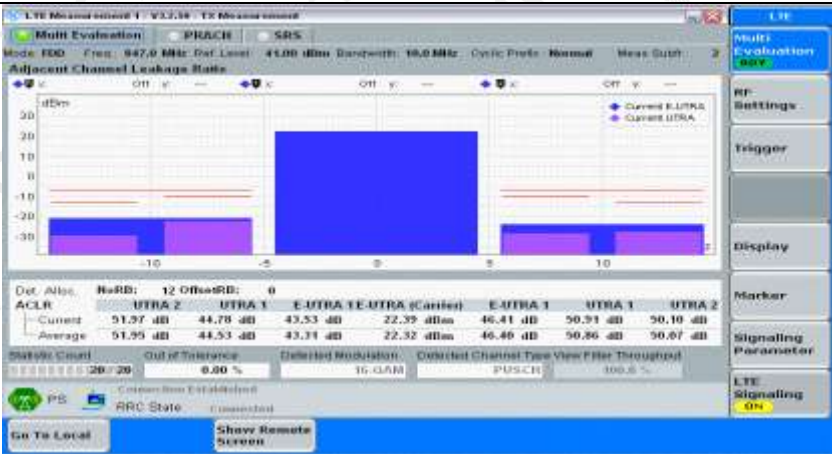
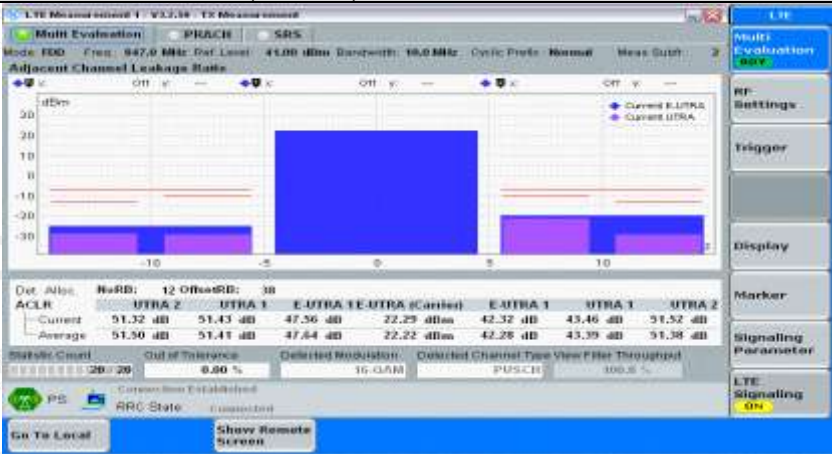

QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>

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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

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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>

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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	

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**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**

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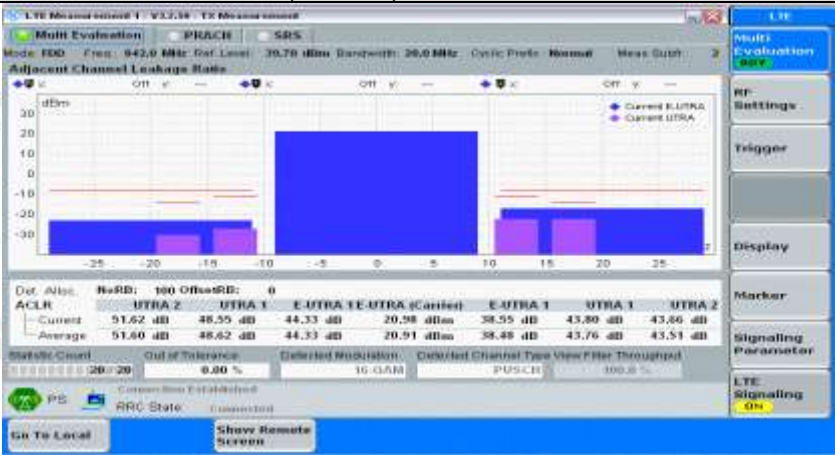
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>

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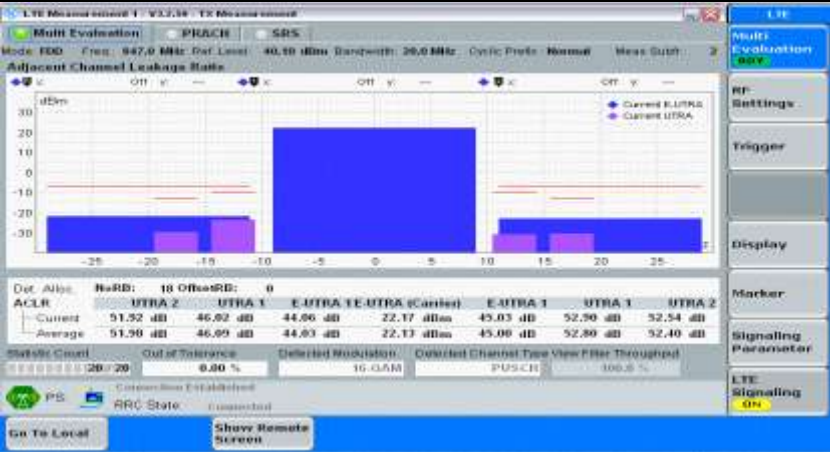


QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>

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16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>

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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>

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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	

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## 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

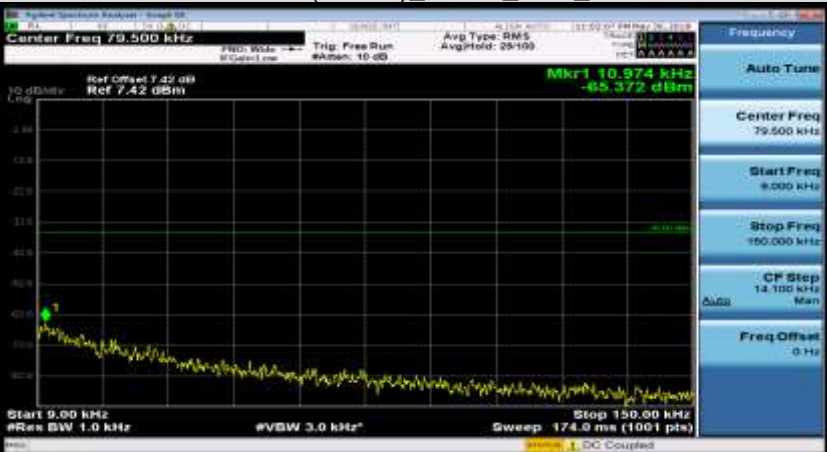

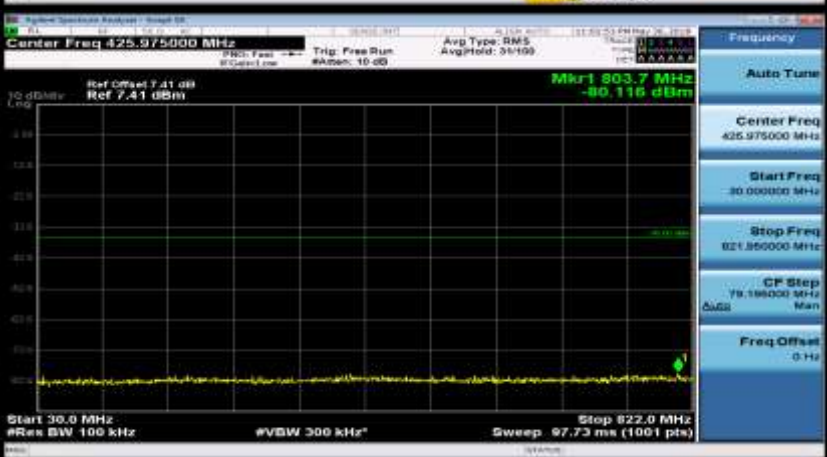
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

## Test Graphs

NTNV

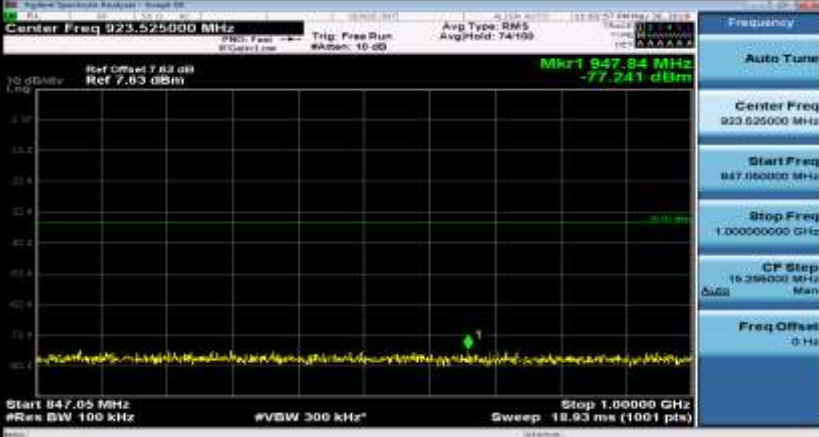


Channel Bandwidth=Lowest (5 MHz)

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

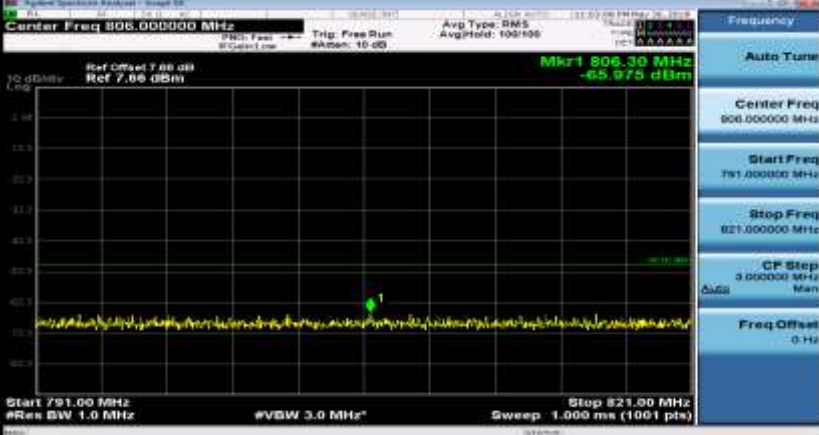
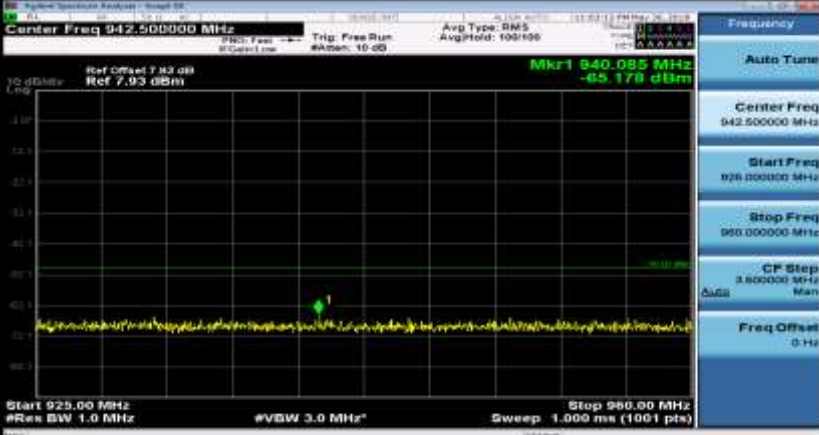

General		
General		
General		

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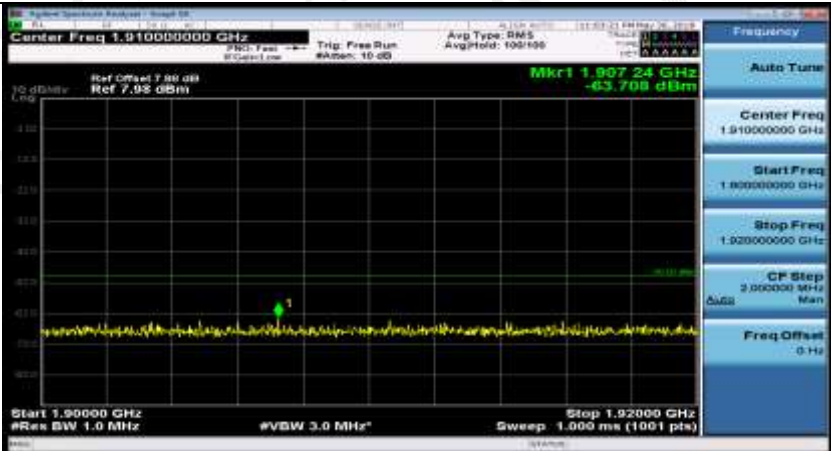
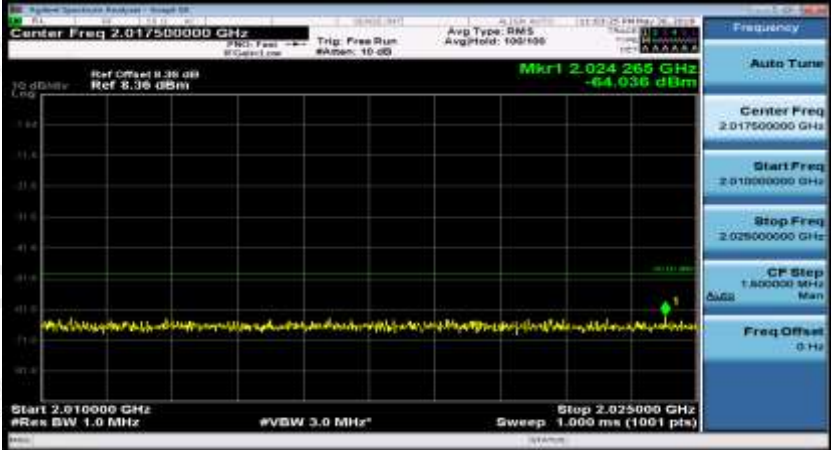
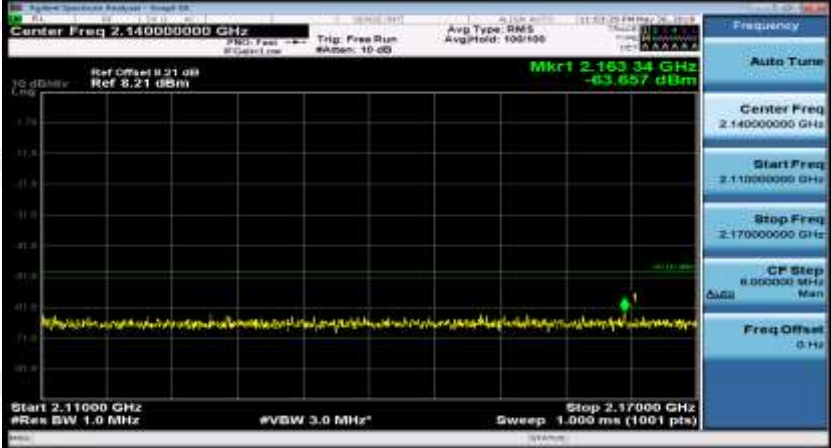
General			
General			
General			

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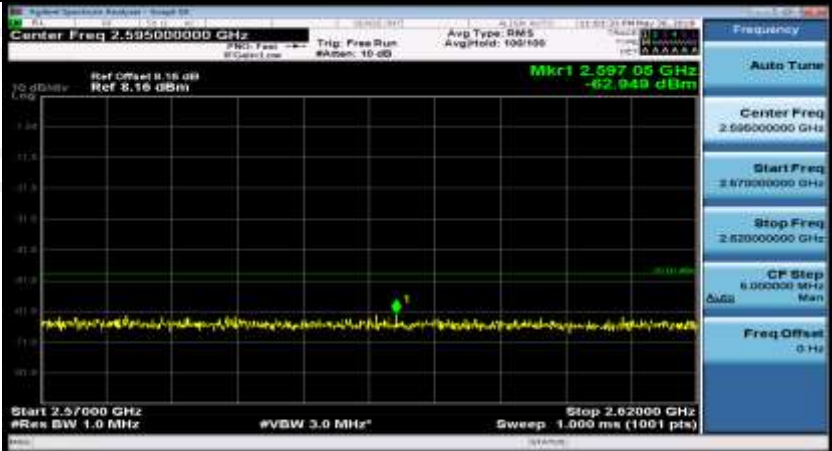
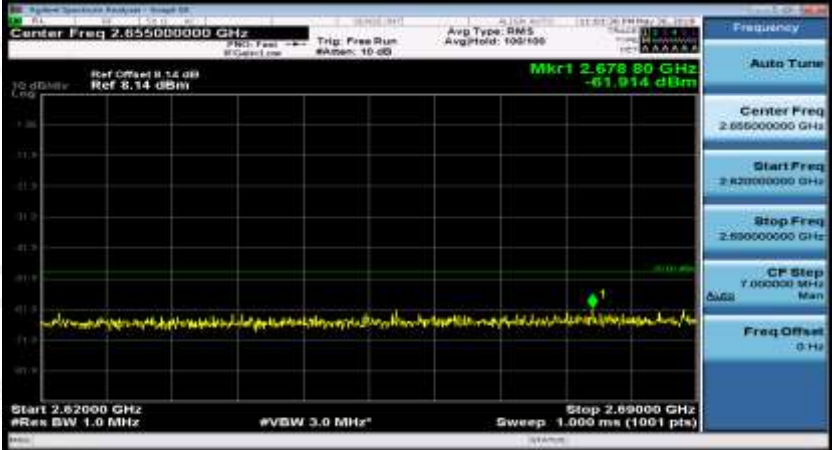
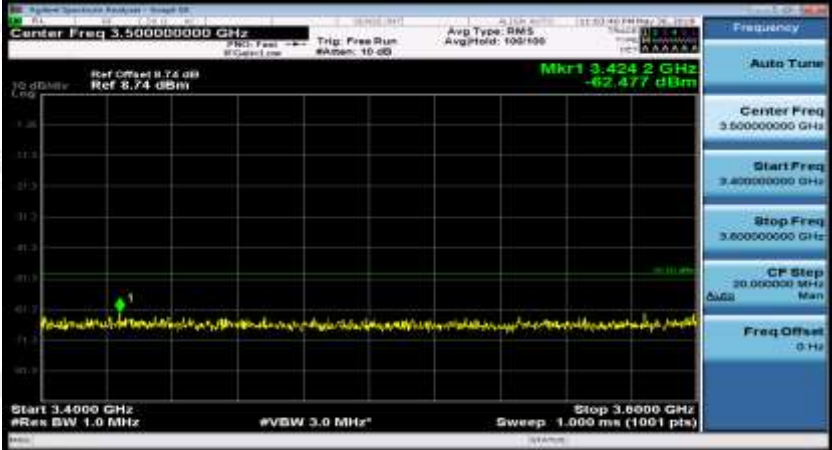
Co-existence			
Co-existence			
Co-existence			

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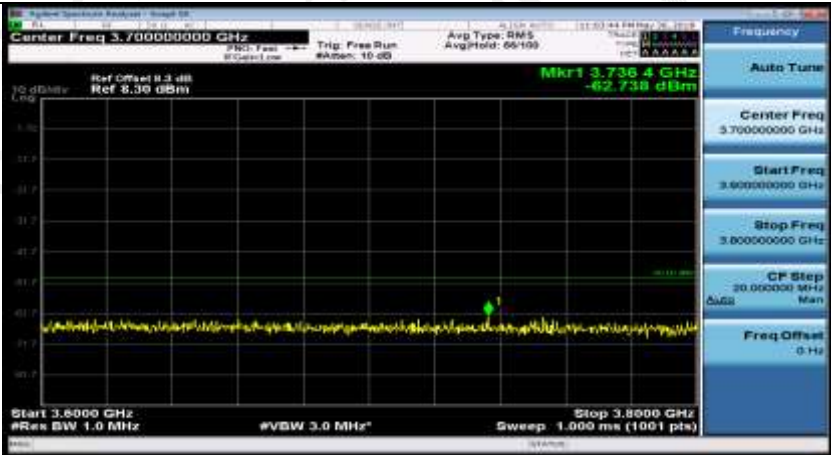
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA


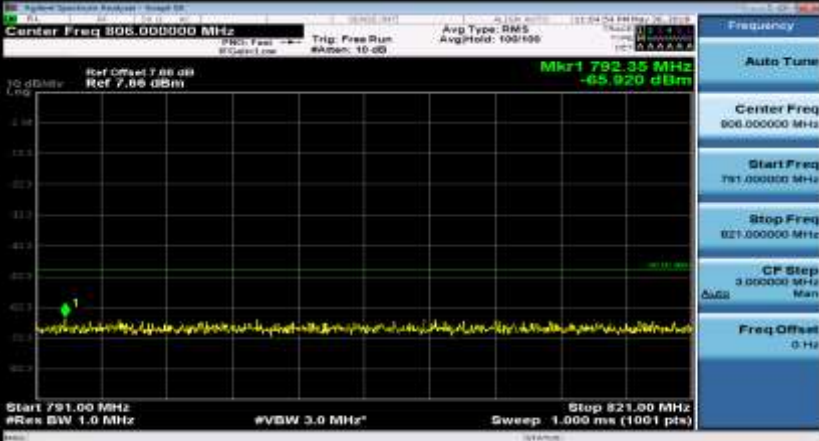
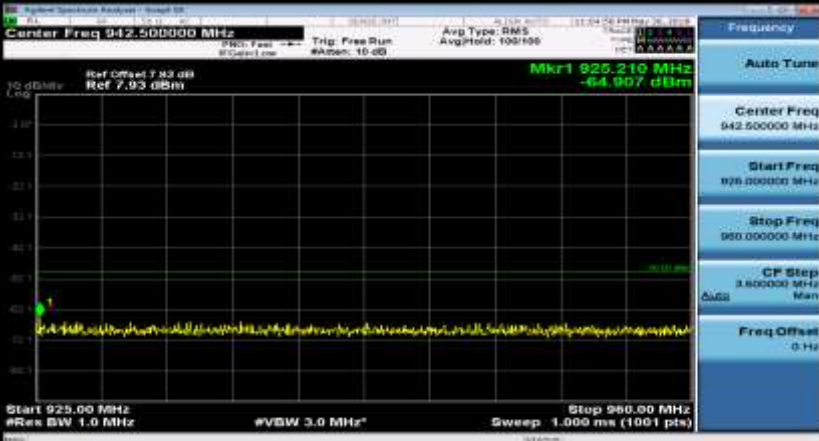
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	
General	

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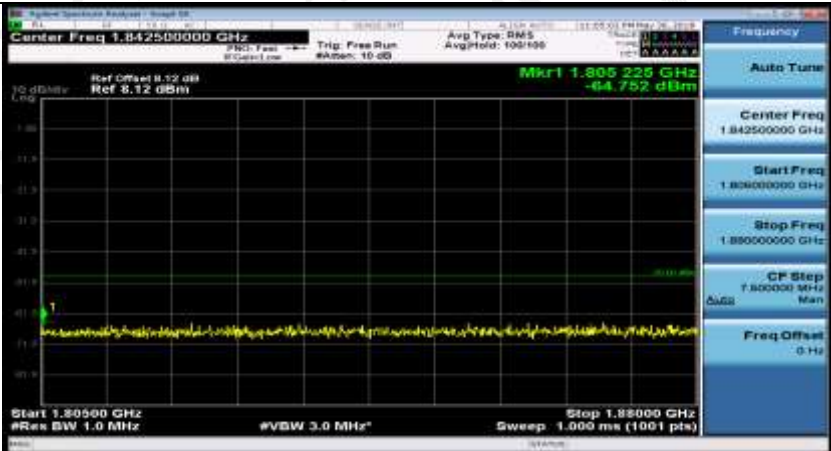
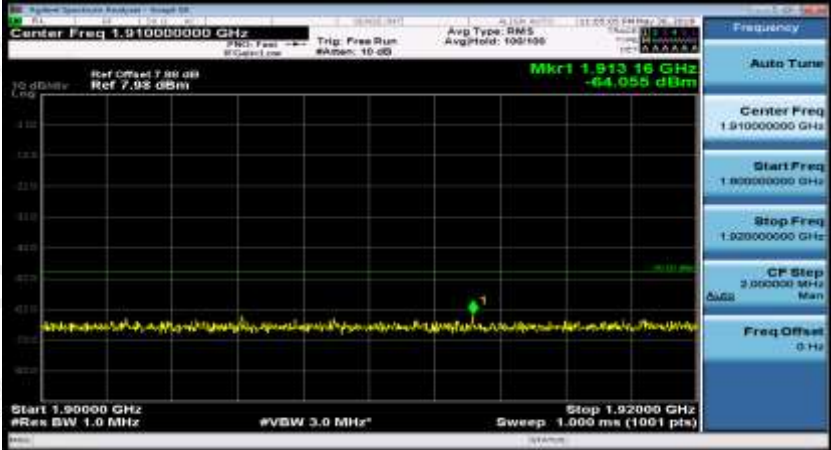
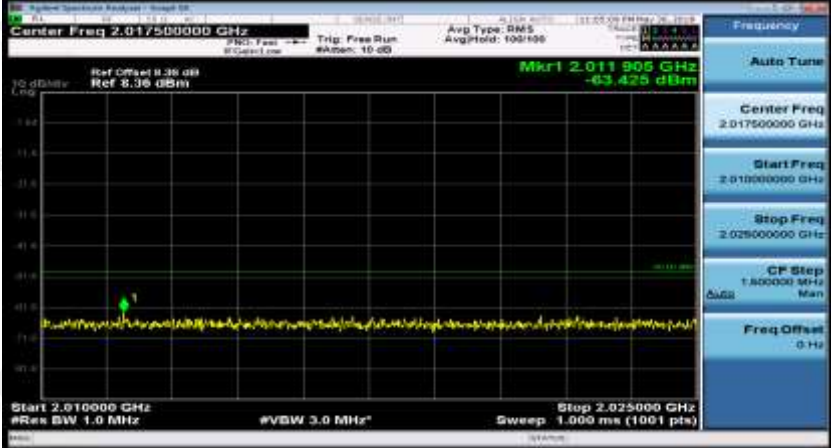
General	
General	
General	

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General			
Co-existence			
Co-existence			

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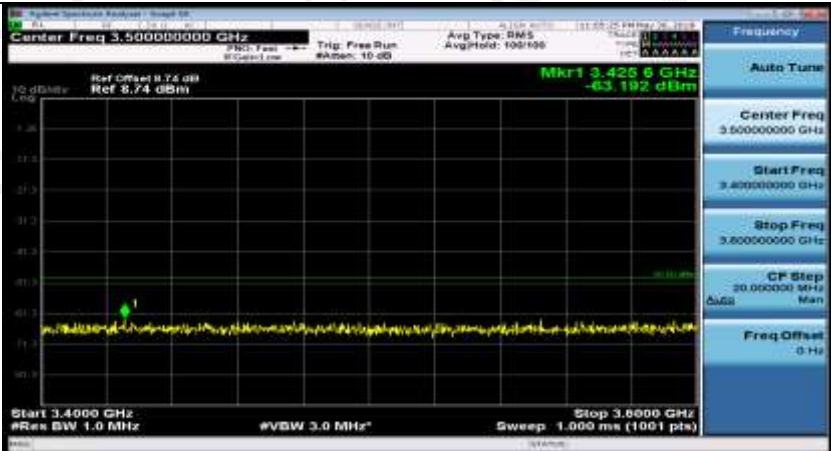
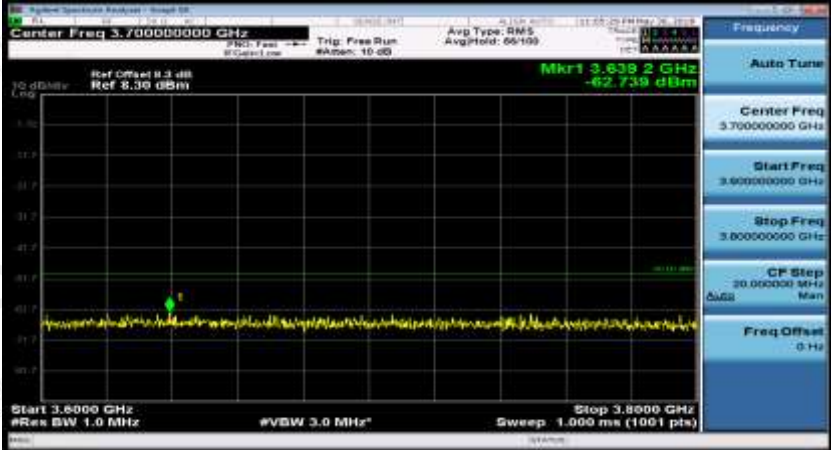
Co-existence	
Co-existence	
Co-existence	

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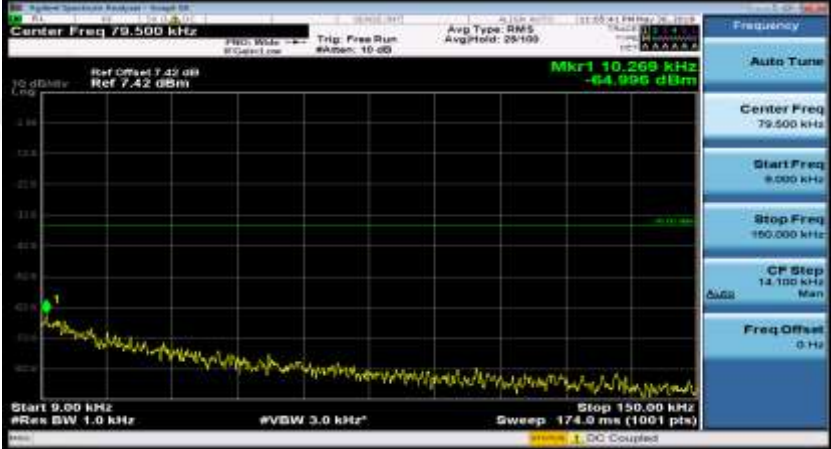


Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

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


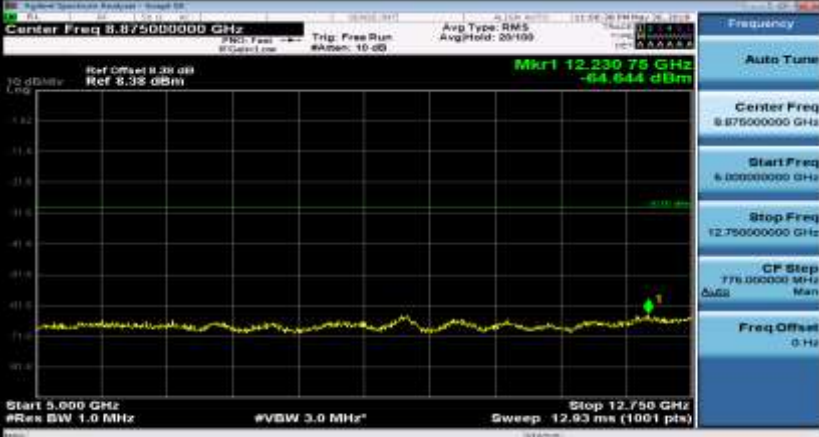

General	
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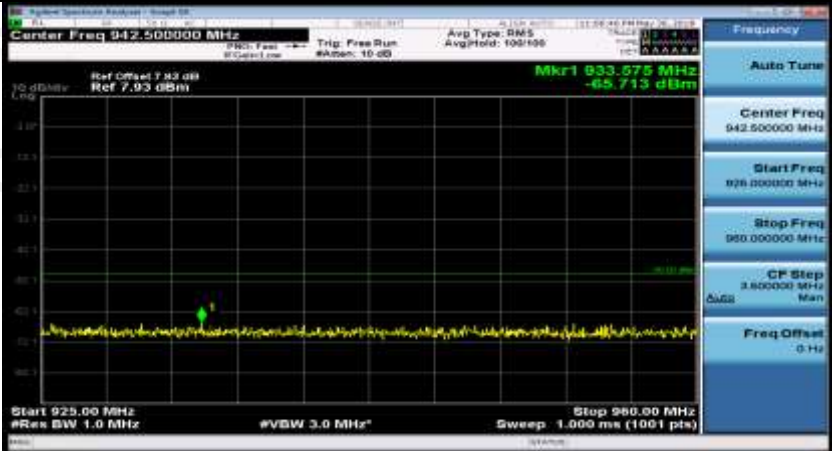
General	
General	
General	

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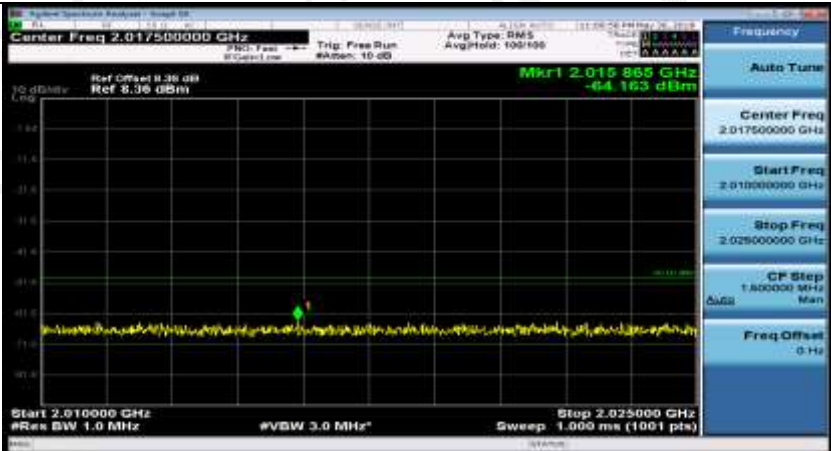
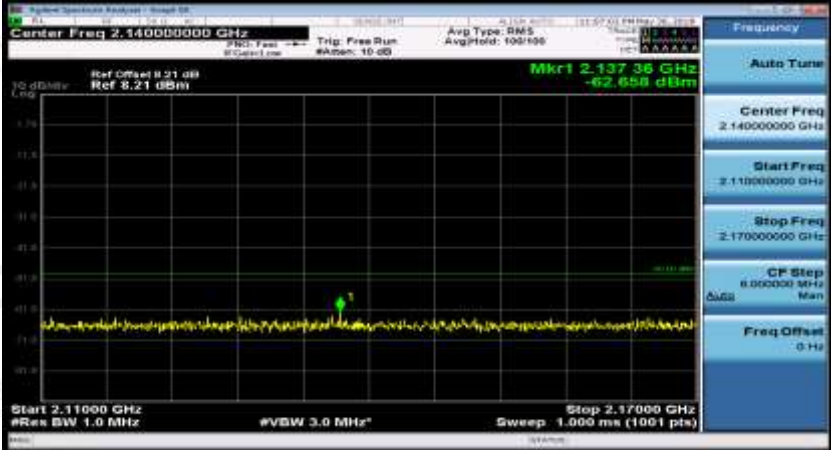
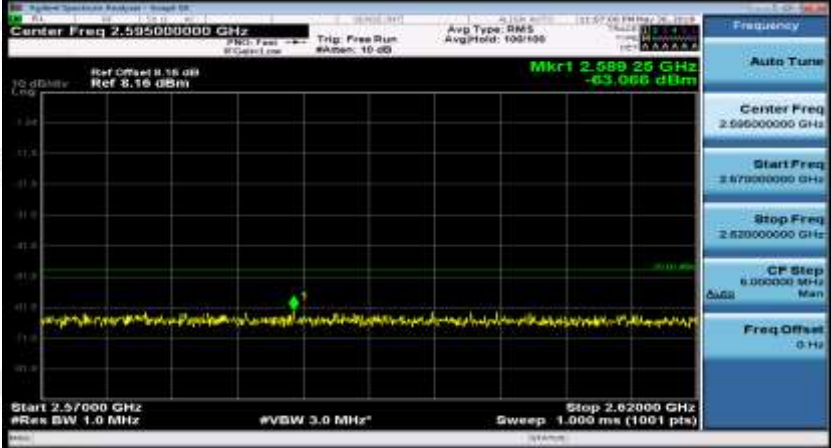
General			
General			
Co-existence			

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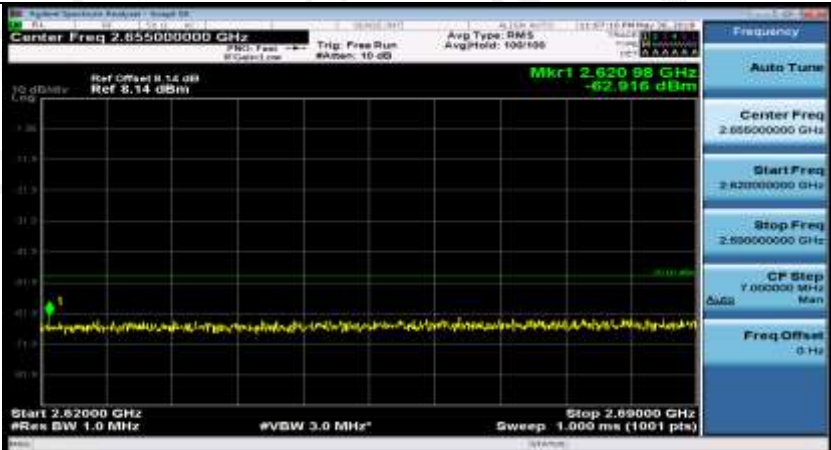
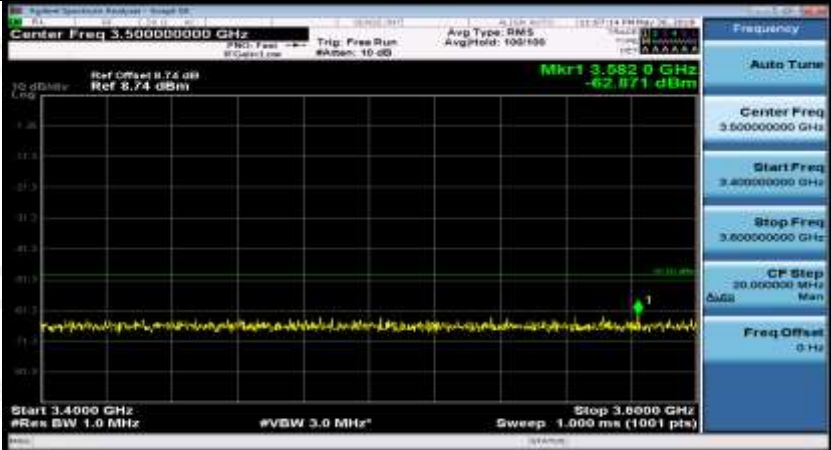
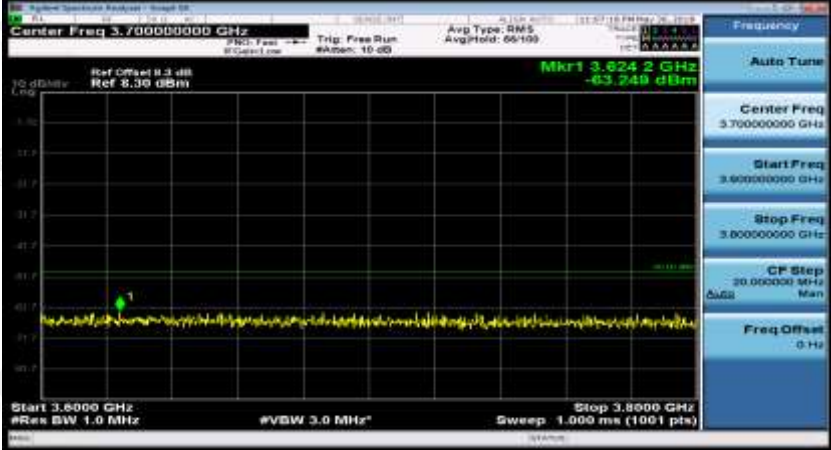
Co-existence	
Co-existence	
Co-existence	

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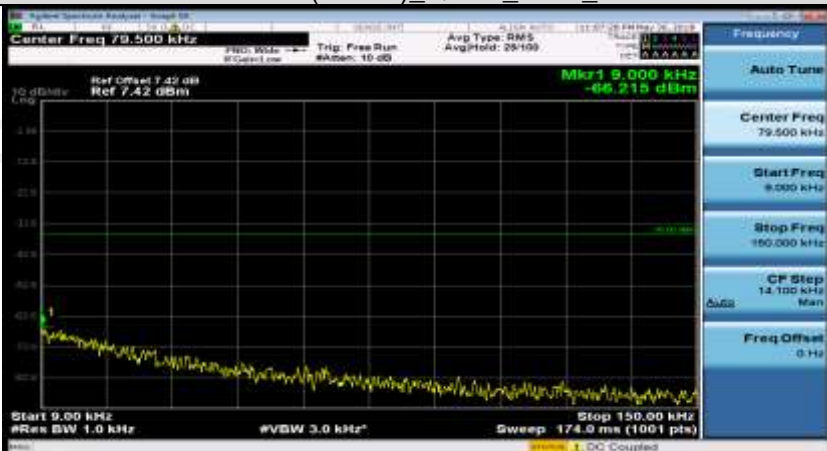

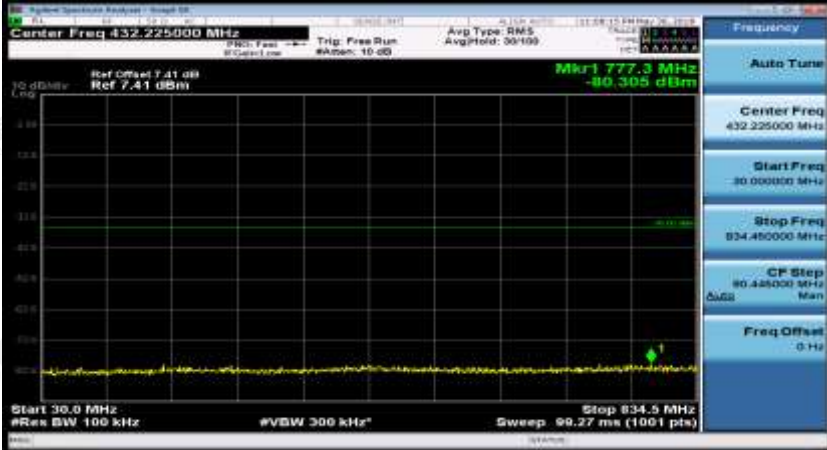
Co-existence	
Co-existence	
Co-existence	

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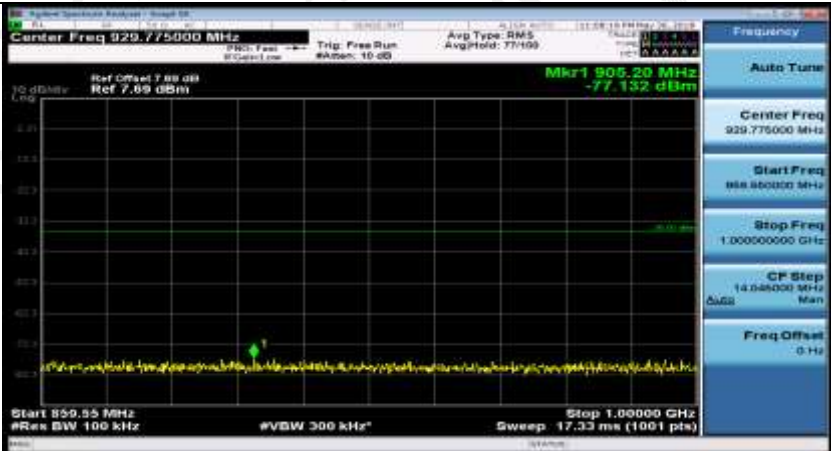


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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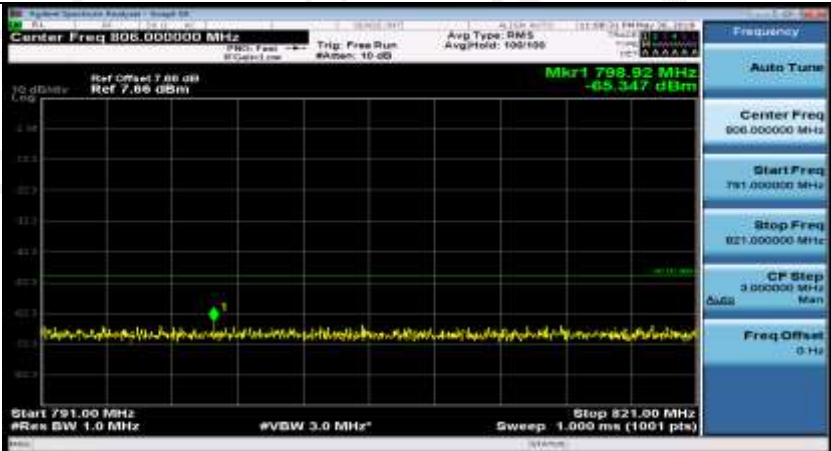
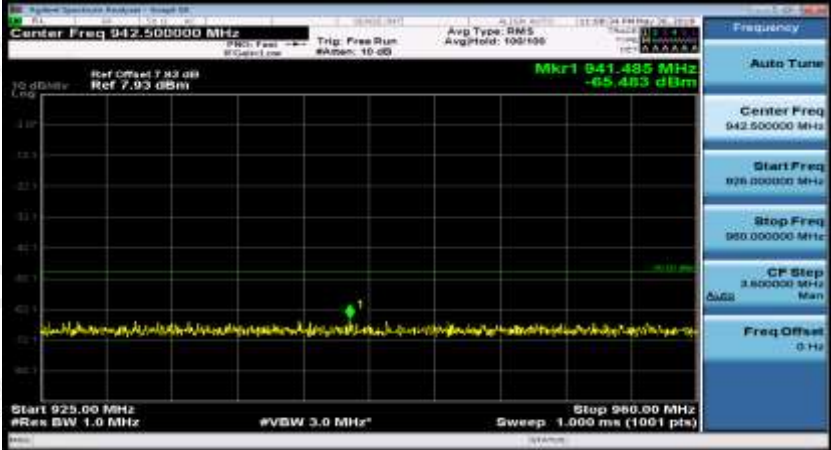
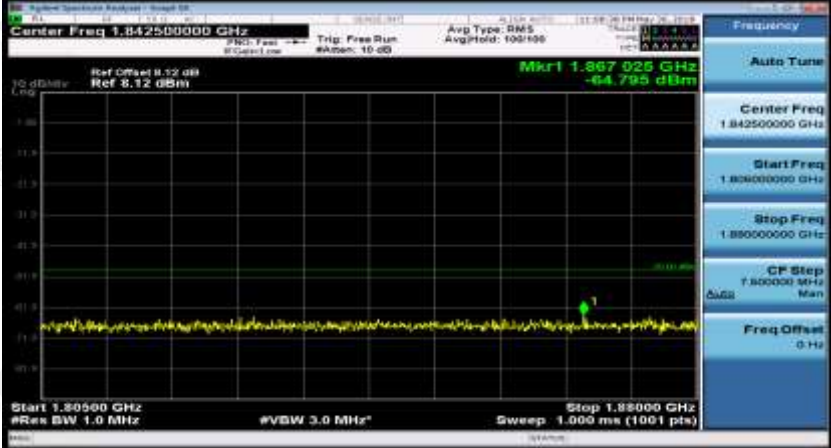
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0	
General	
General	
General	

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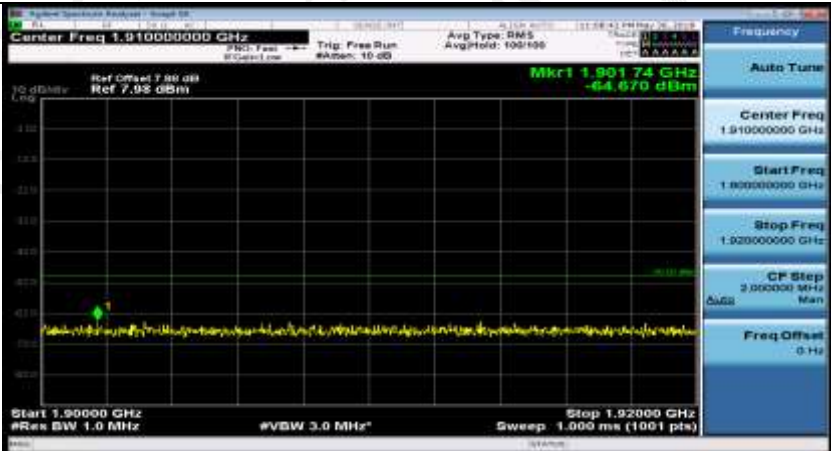
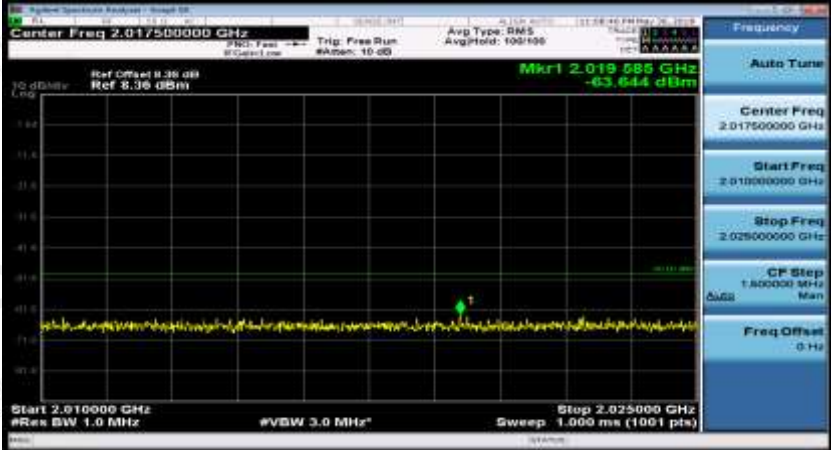
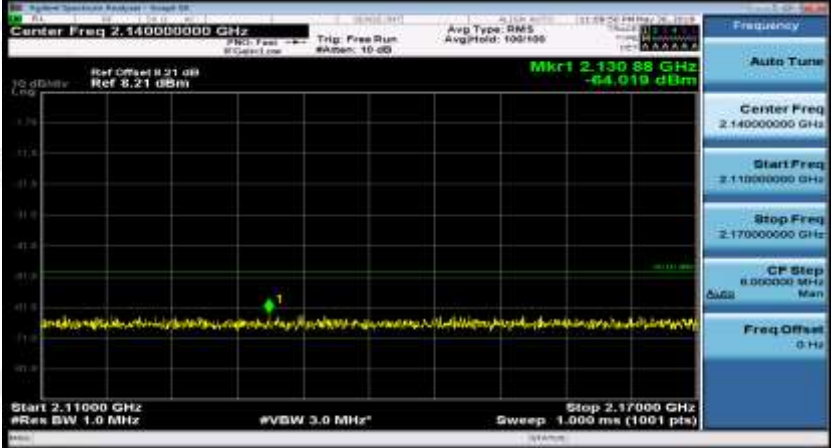
General	
General	
General	

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Co-existence	
Co-existence	
Co-existence	

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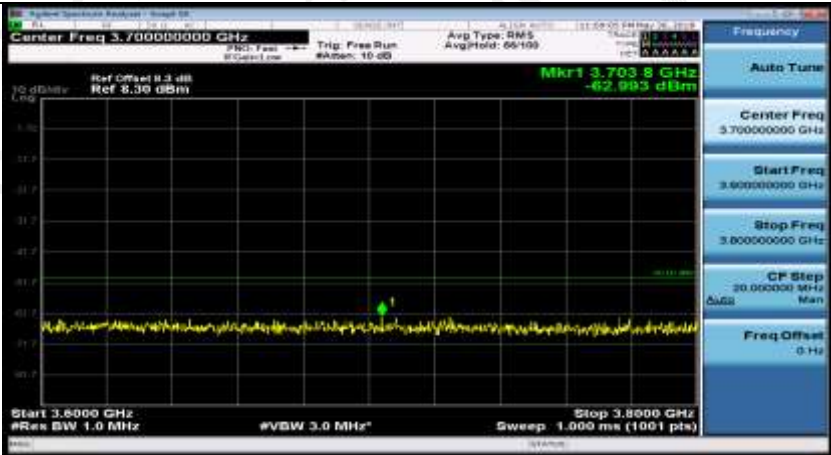
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

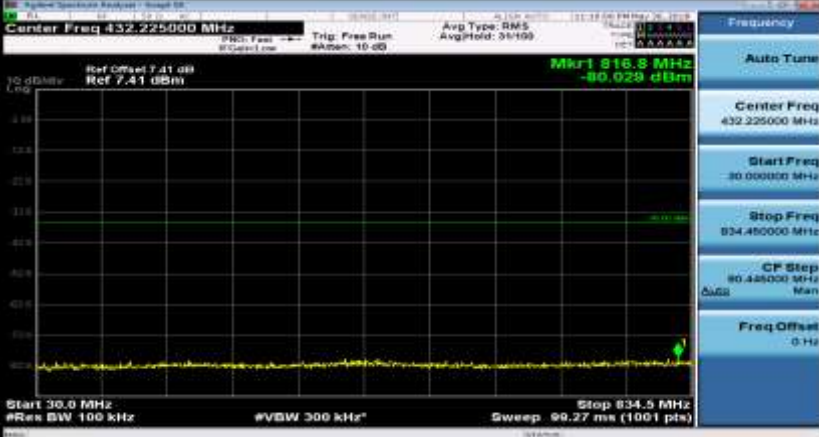
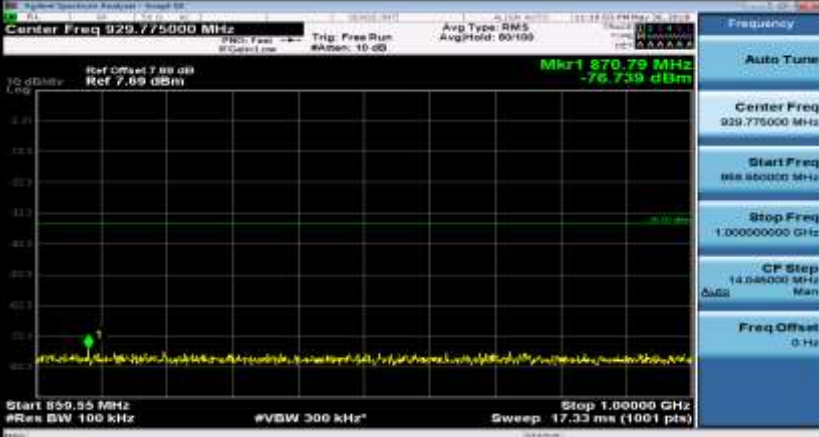

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Co-existence	
Additional	NA

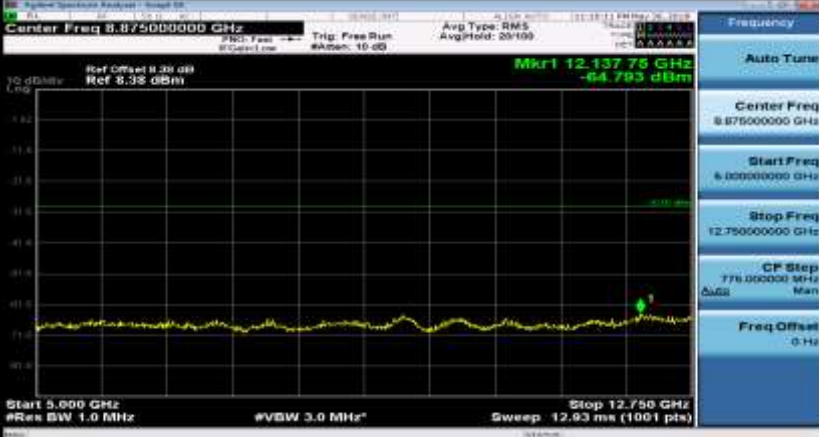
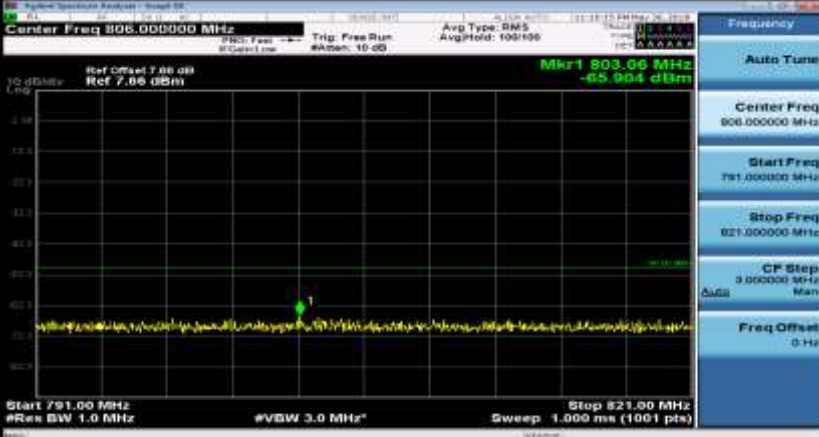
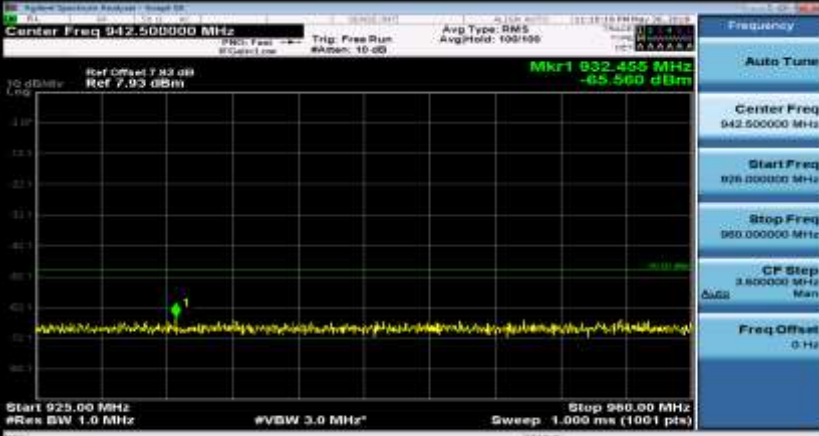
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	
General	

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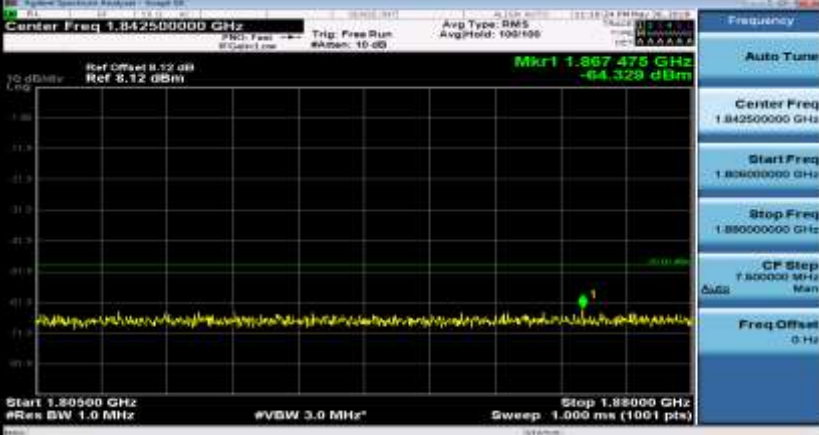


General			
General			
General			

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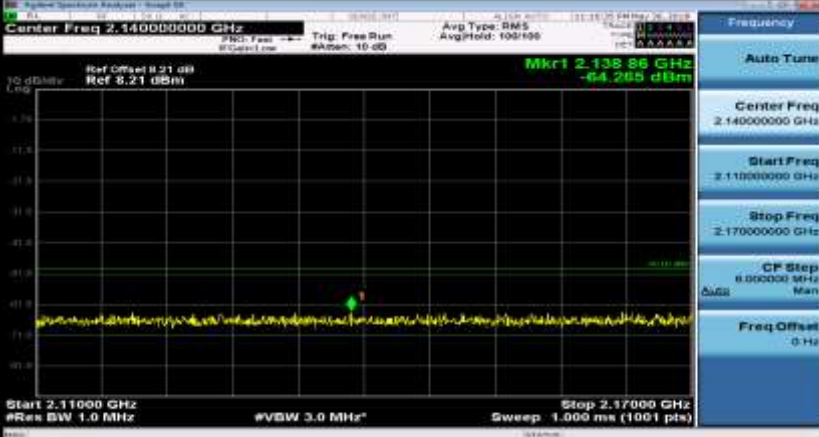
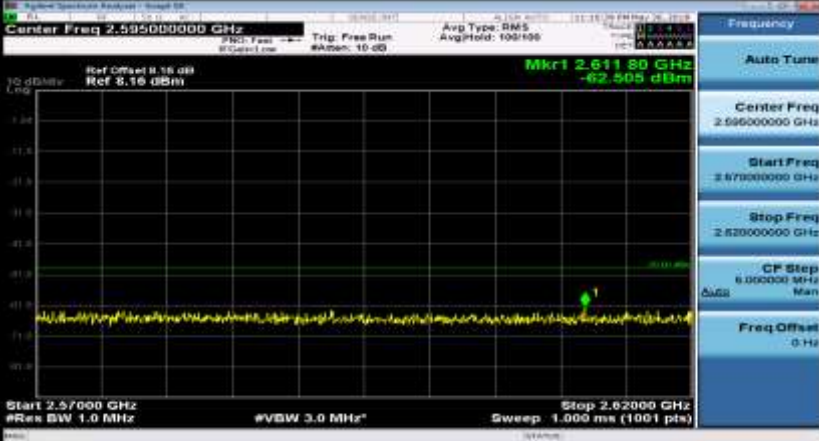
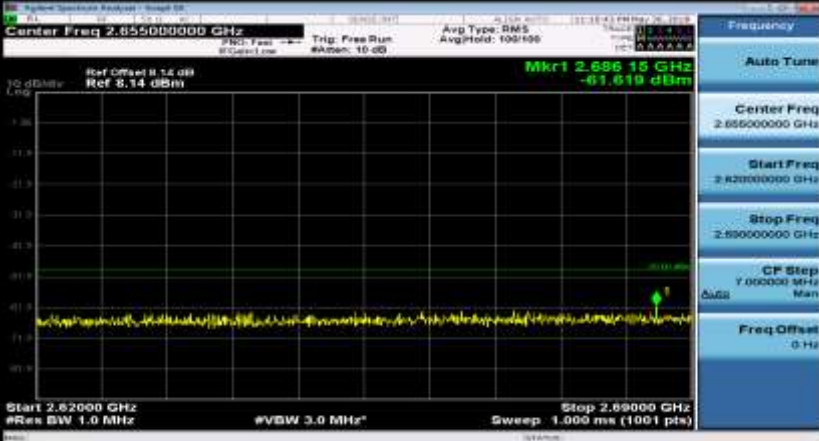
General			
Co-existence			
Co-existence			

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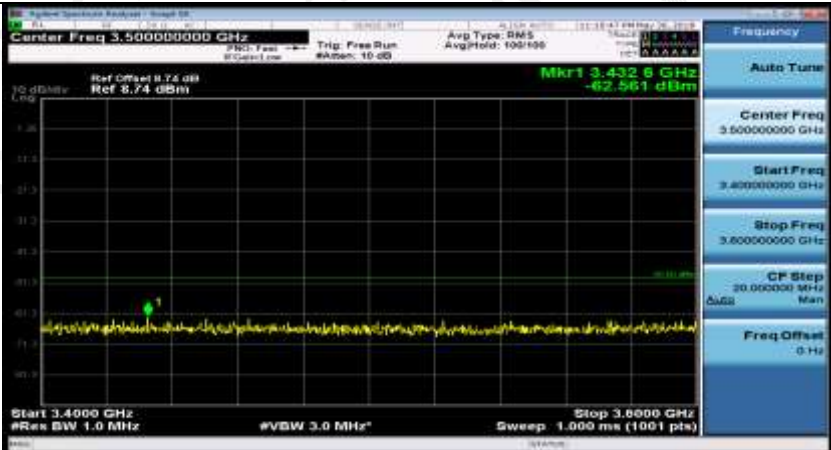
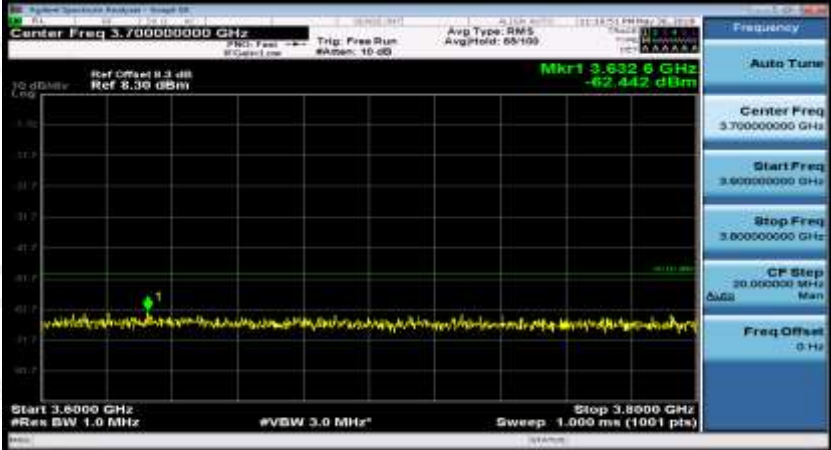
Co-existence		 <p>Center Freq 1.84250000 GHz Mkr1 1.867475 GHz -64.329 dBm Start 1.80000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.88000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 1.91000000 GHz Mkr1 1.91732 GHz -64.271 dBm Start 1.90000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.92000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 2.01750000 GHz Mkr1 2.017110 GHz -64.262 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>	

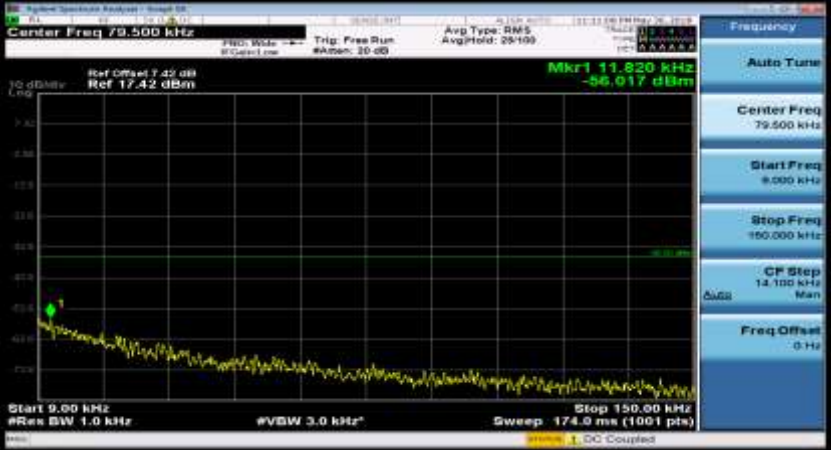
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence			
Co-existence			
Co-existence			

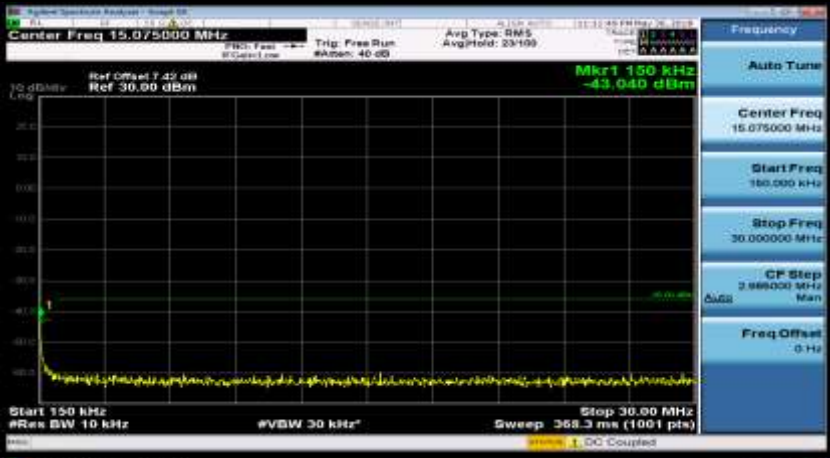
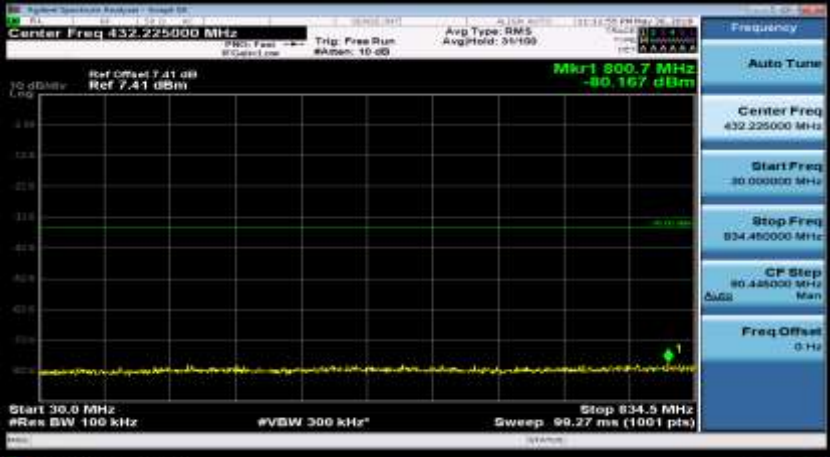
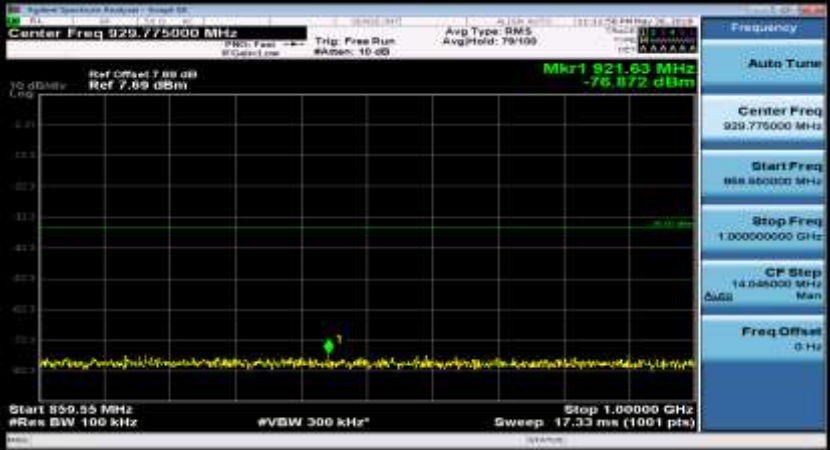
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Additional	NA



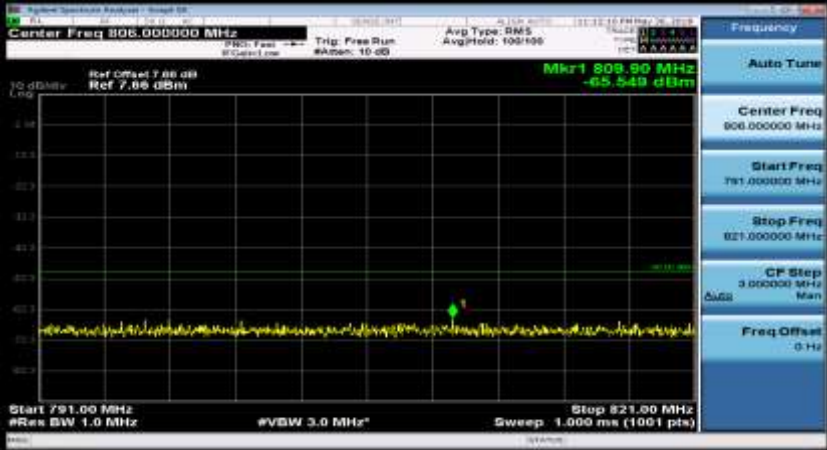
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	

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General	
General	
General	

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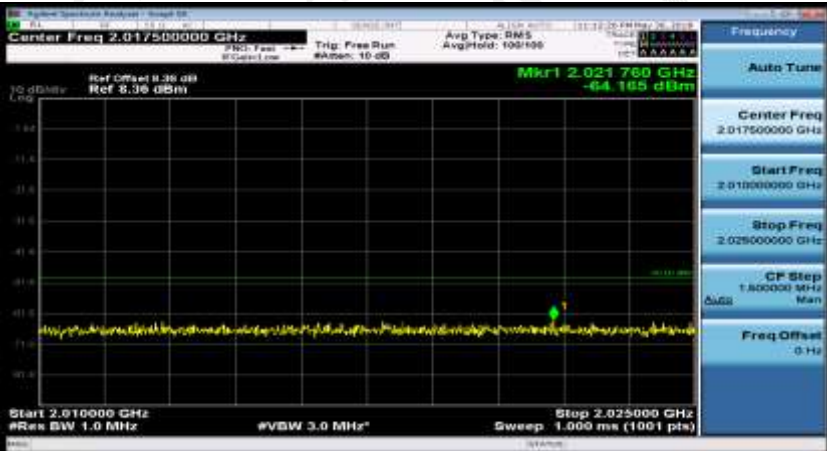
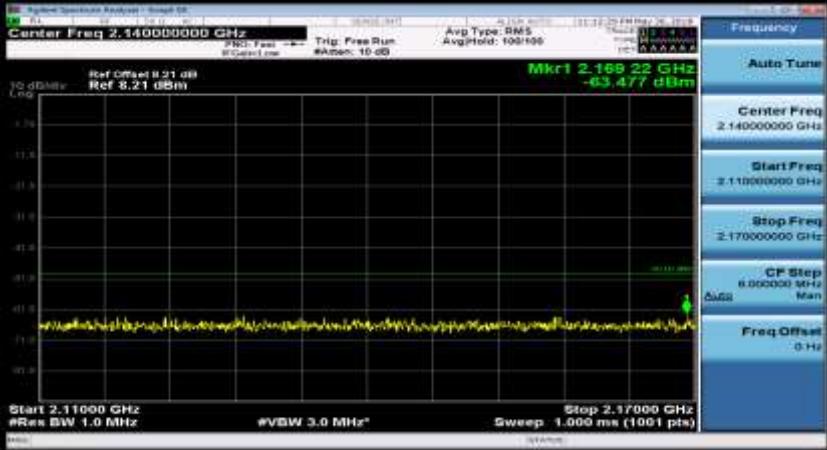
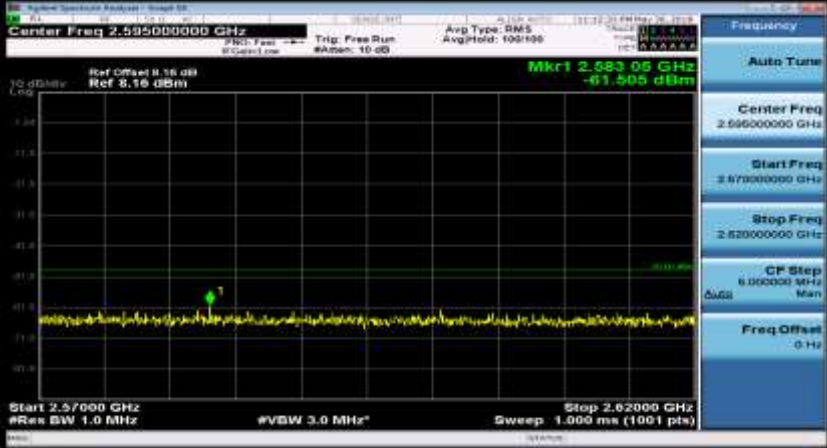
General	
General	
Co-existence	

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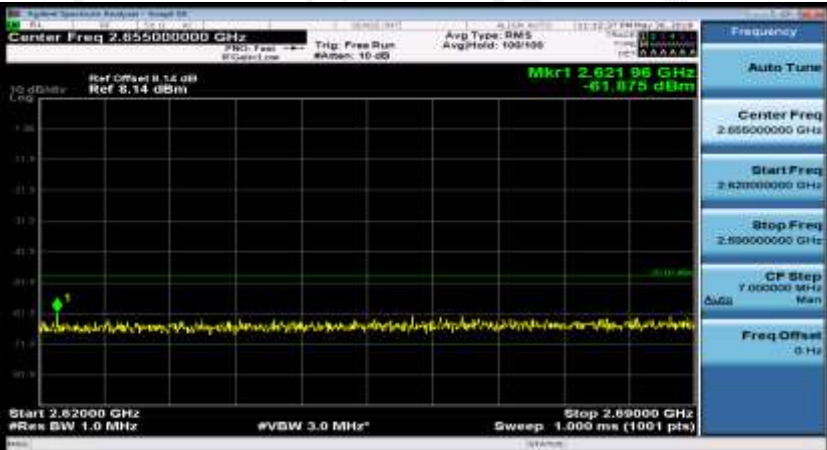
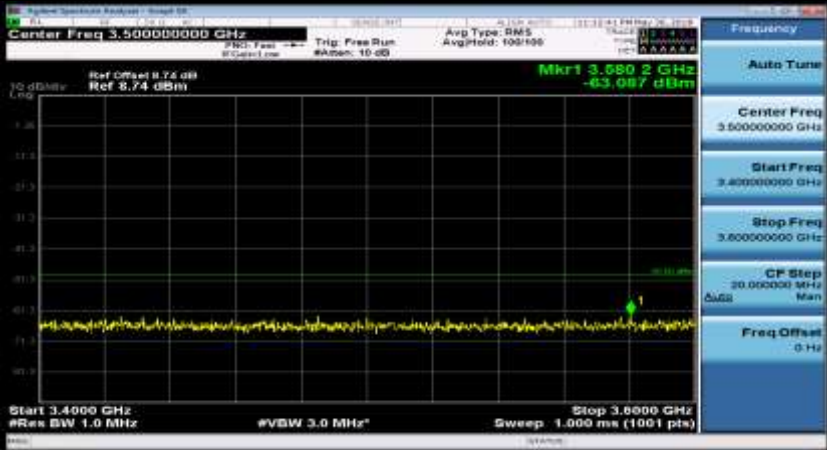
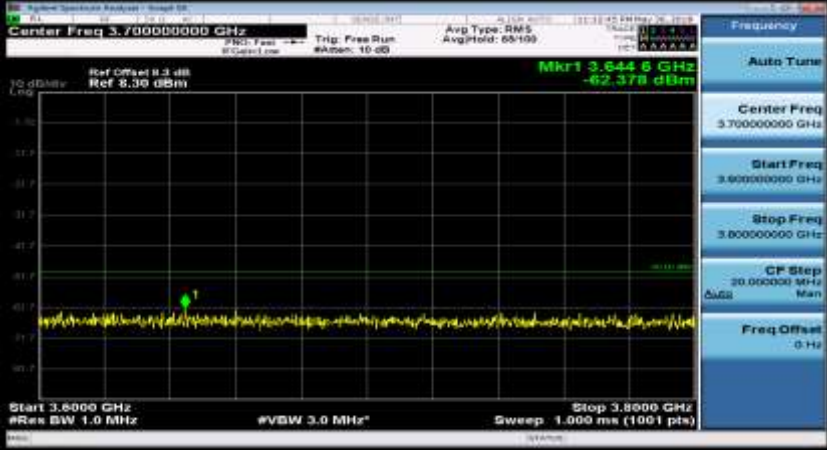
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

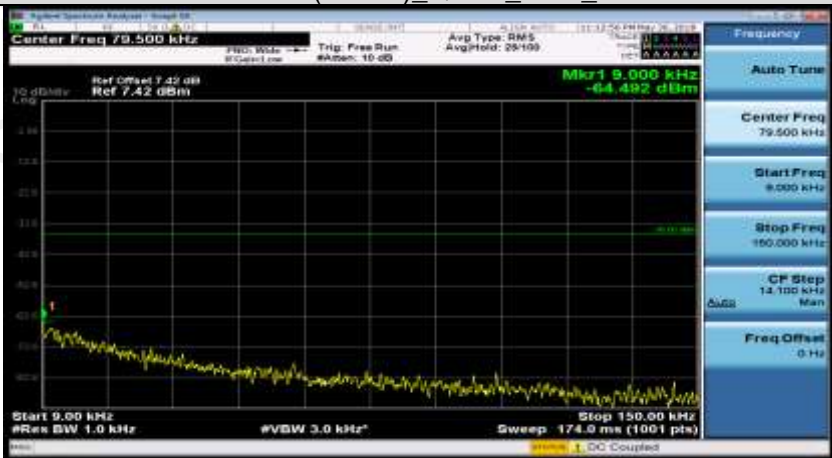

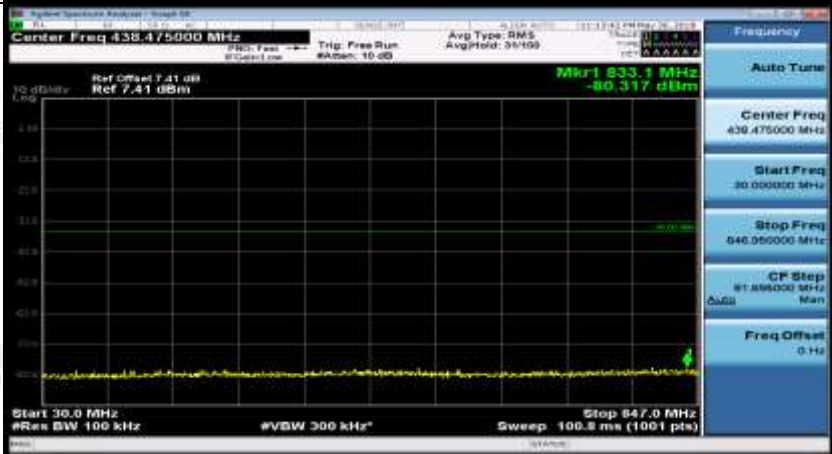
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence	
Co-existence	
Co-existence	
Additional	NA

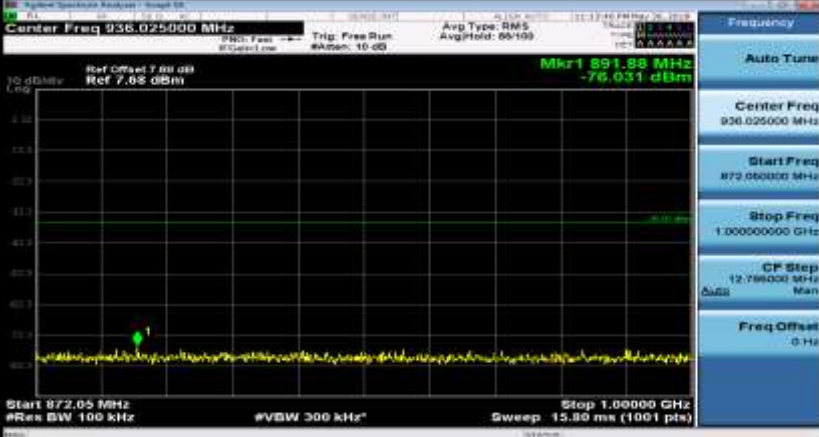


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Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0

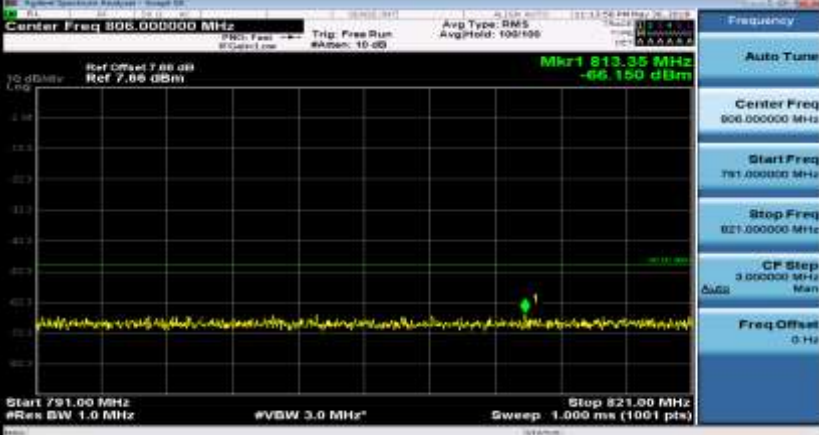
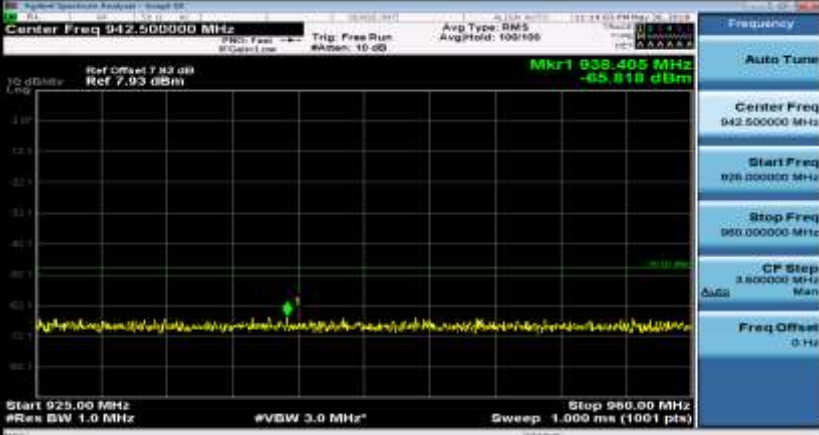
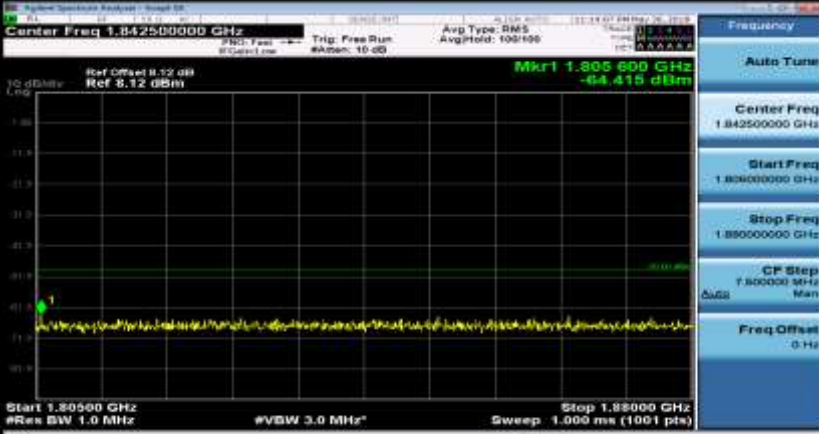
General		
General		
General		

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General			
General			
General			

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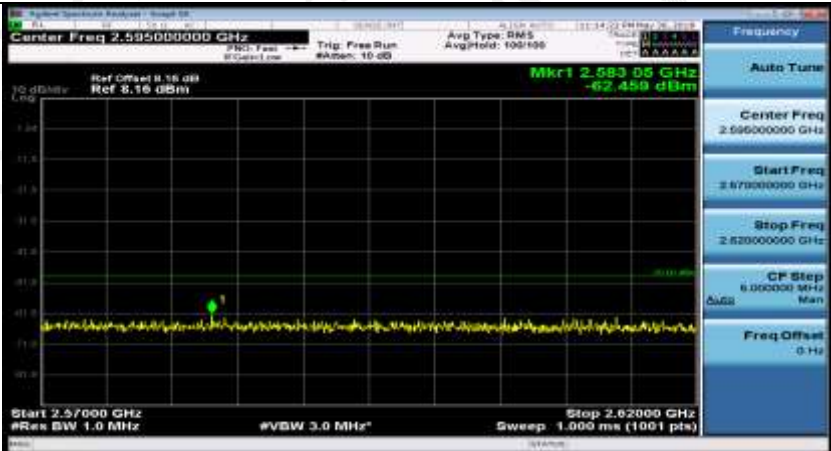

Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

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

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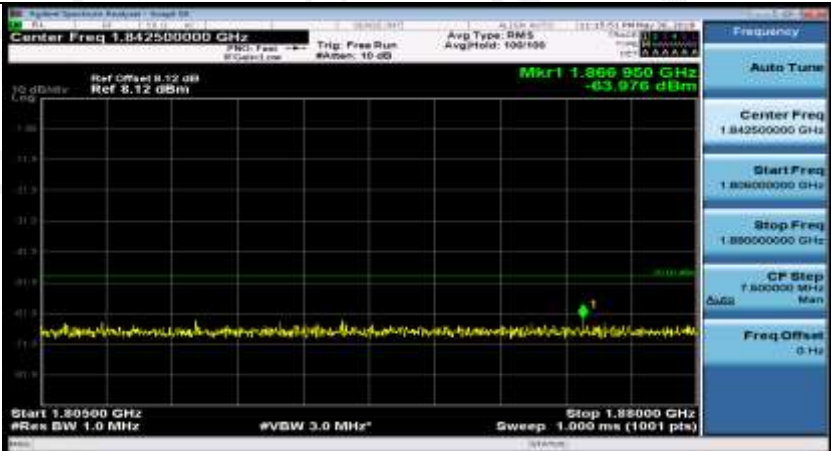
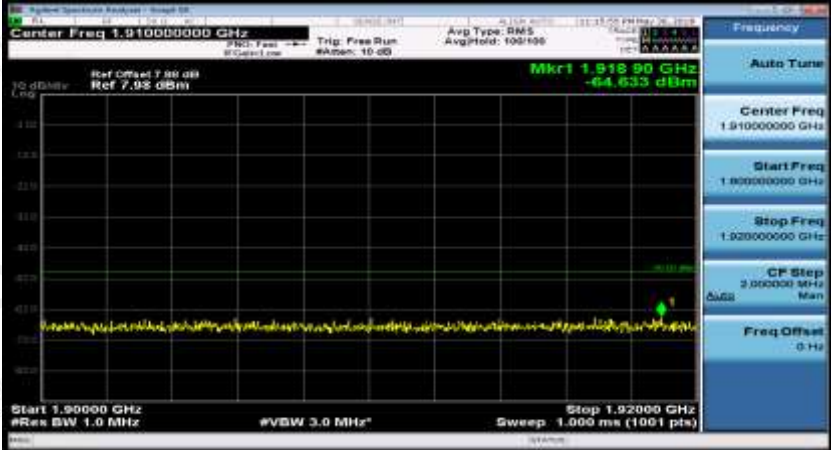
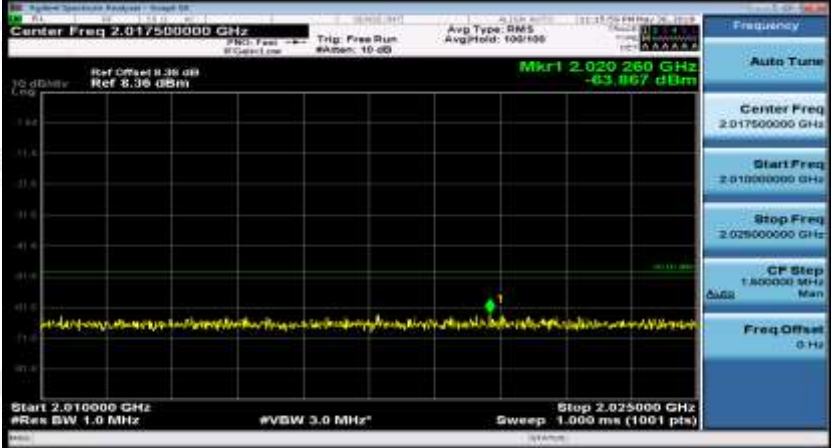
General			
General			
General			

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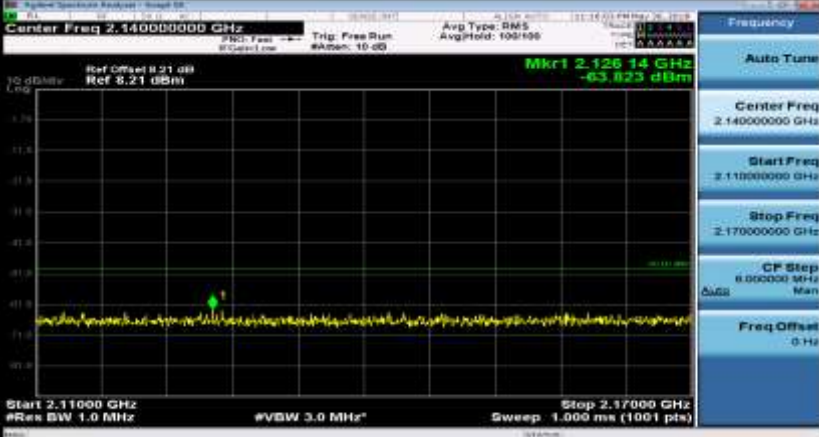
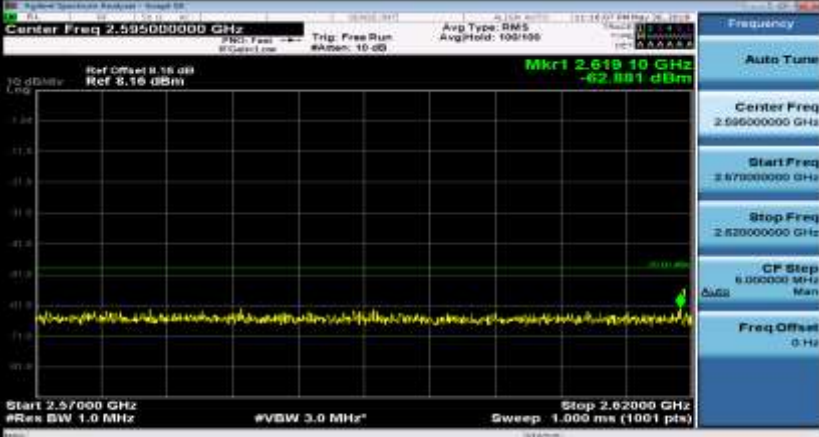

General			
Co-existence			
Co-existence			

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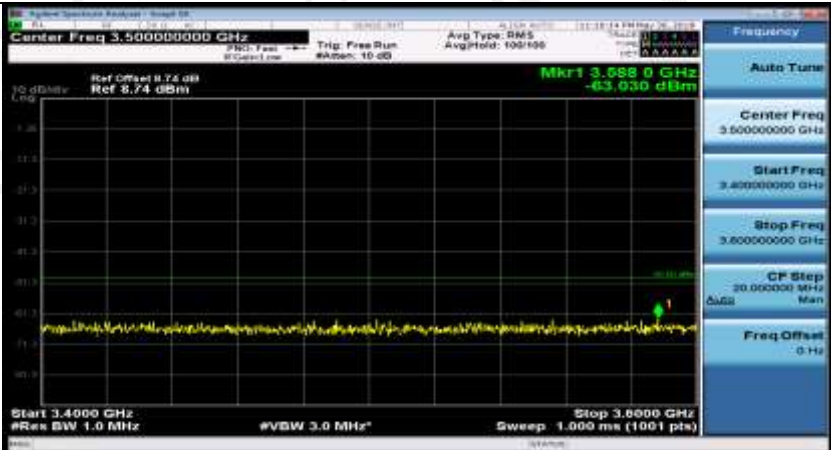
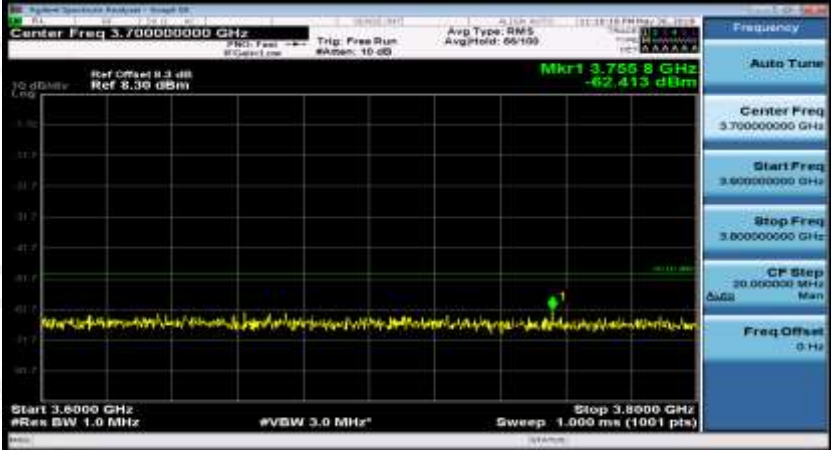
Co-existence	
Co-existence	
Co-existence	

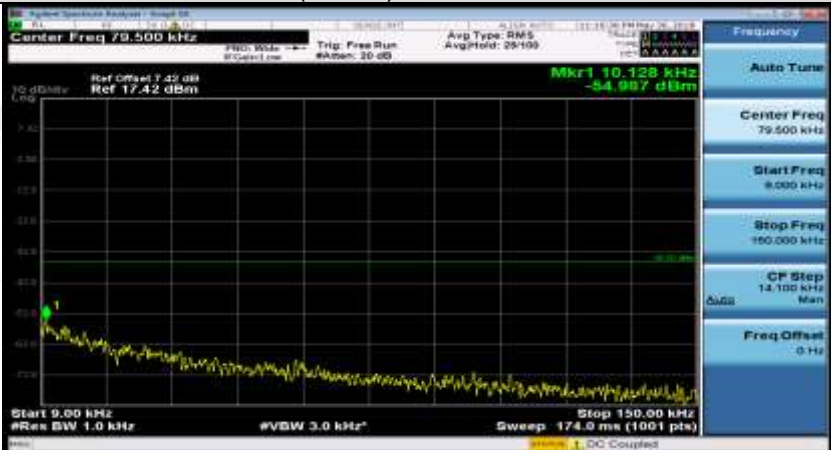
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Additional	NA

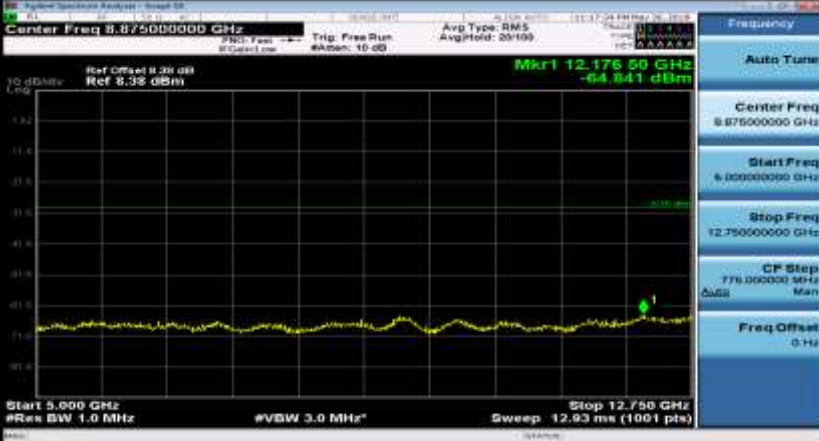
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
General	

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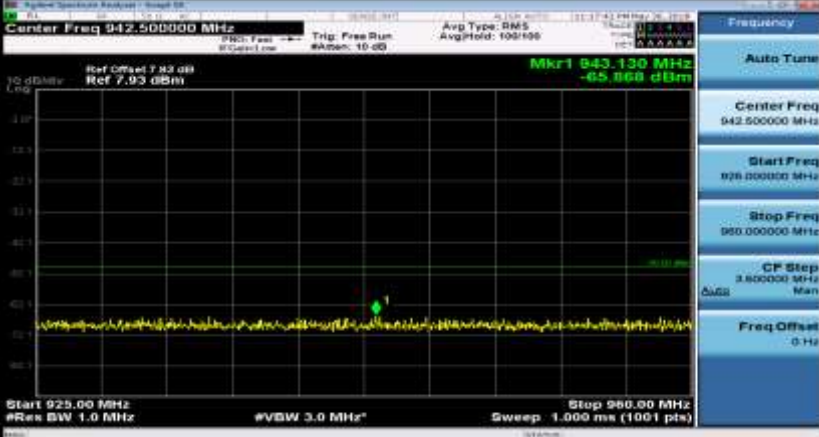
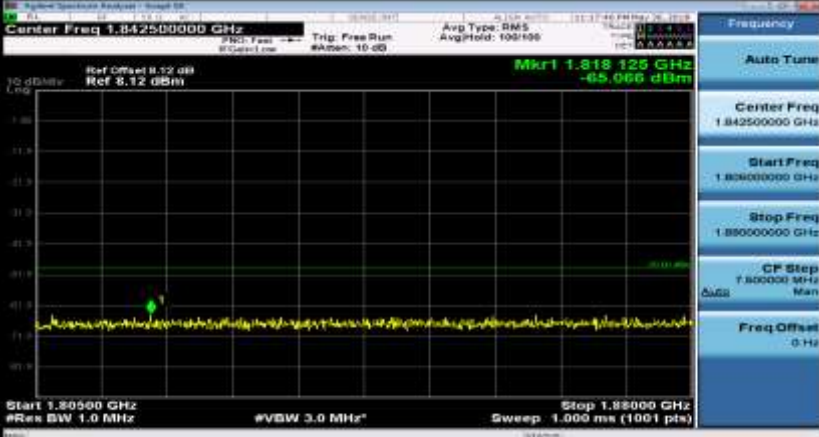
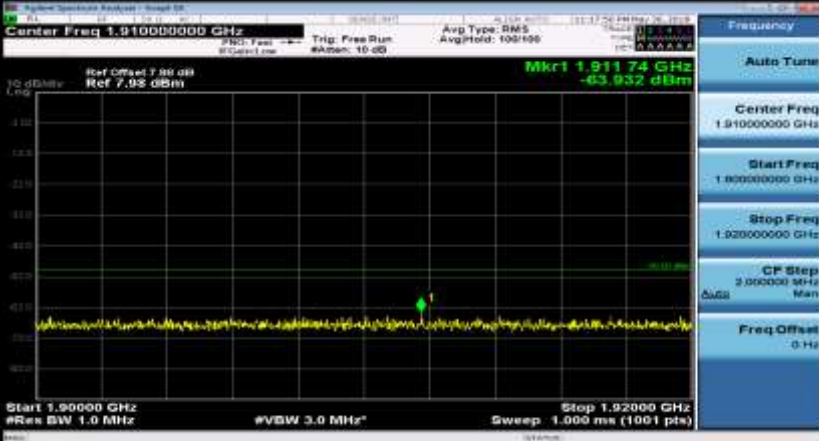
General			
General			
General			

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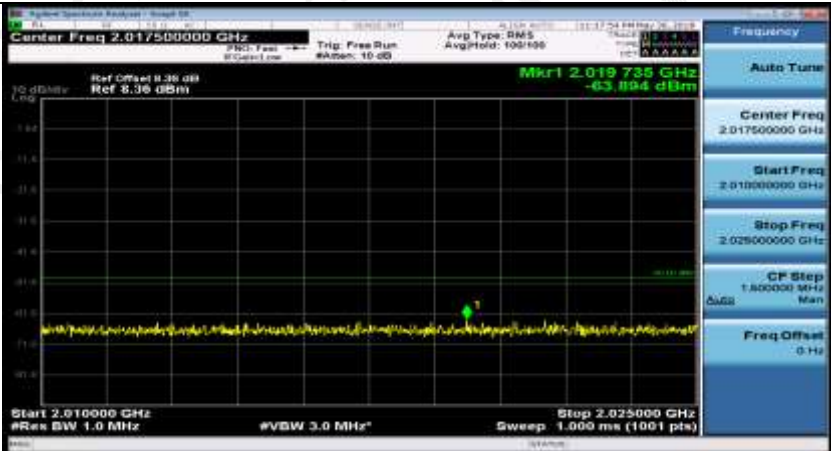
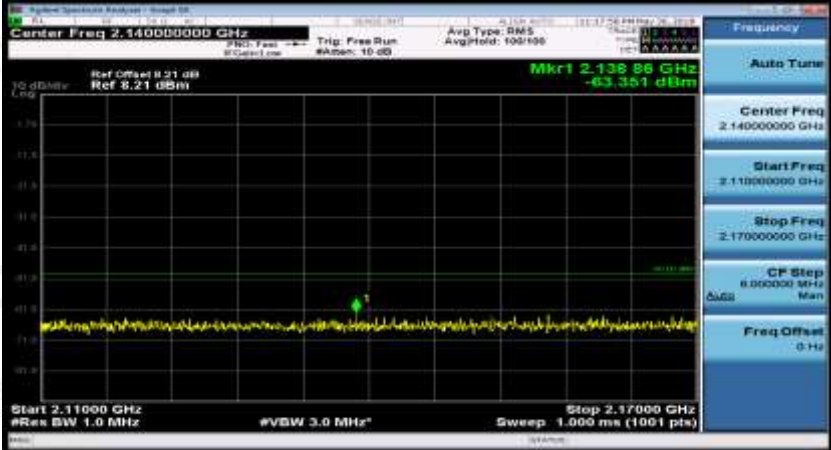
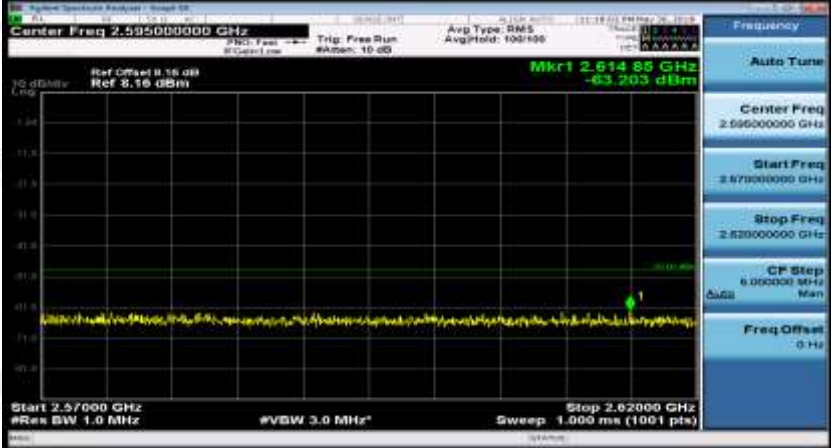
General			
General			
Co-existence			

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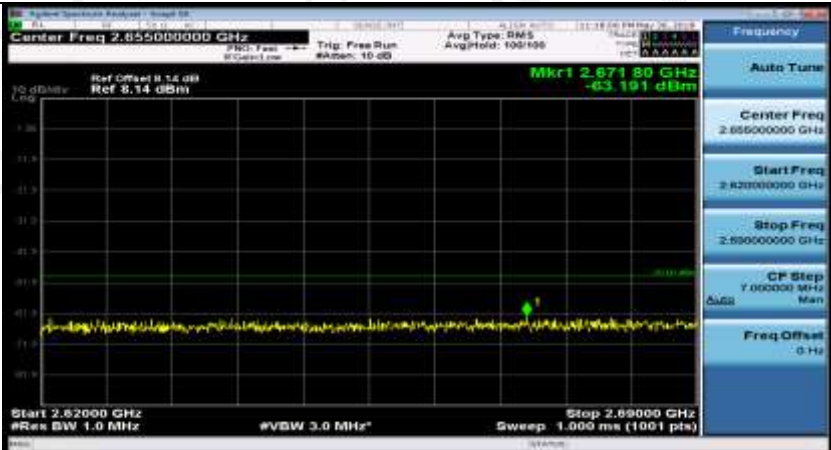
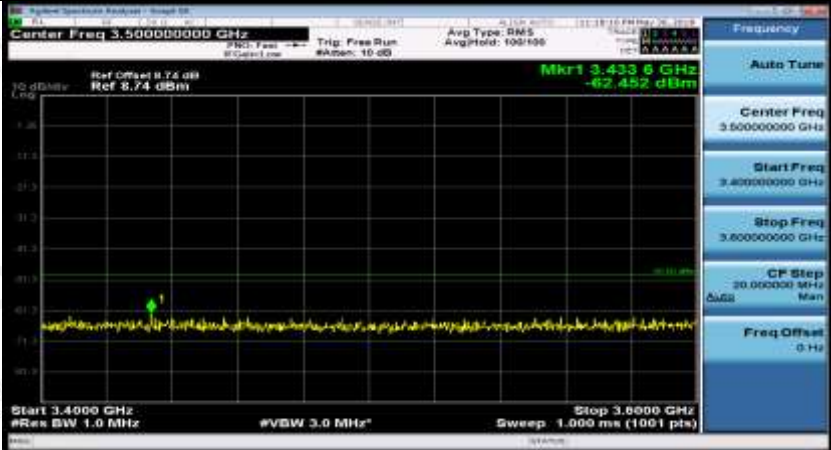
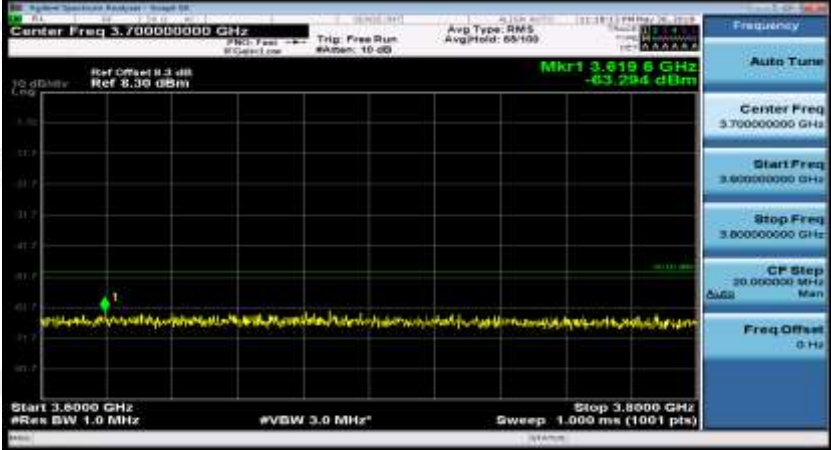
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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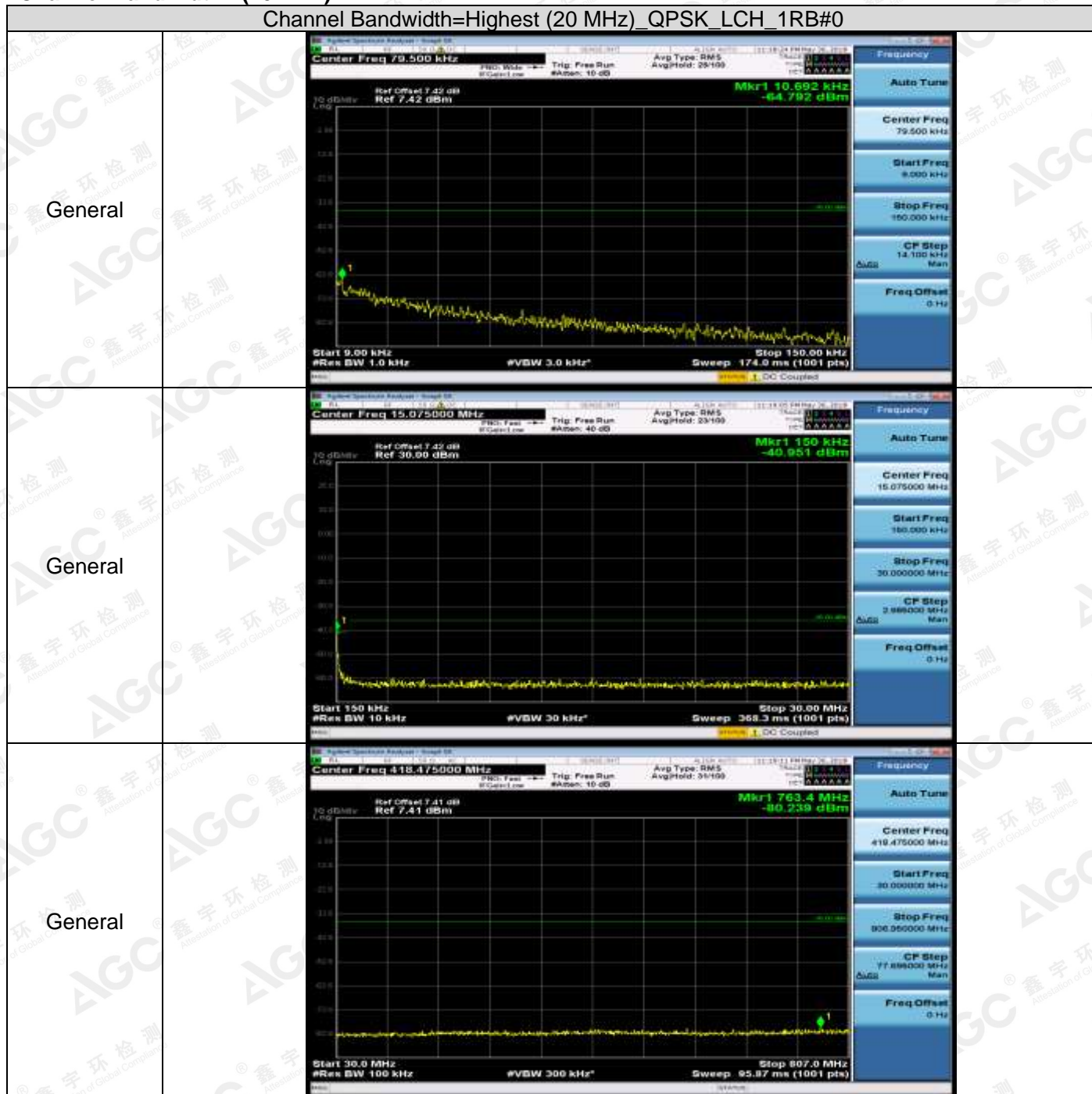


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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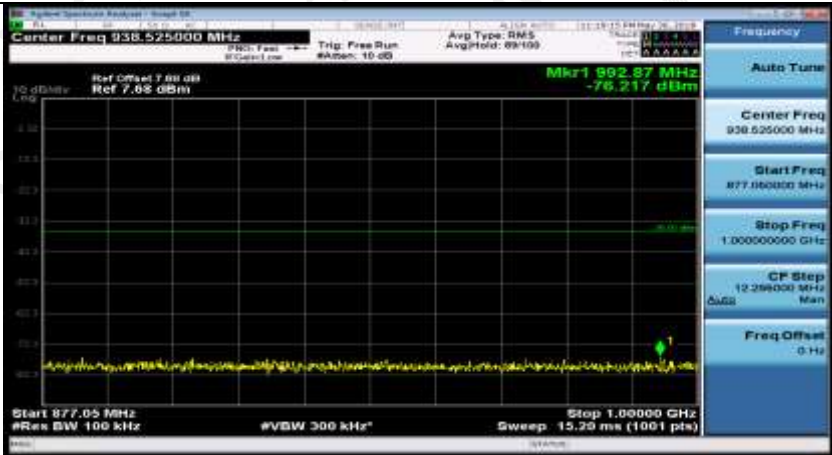


Channel Bandwidth= (20 MHz)

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

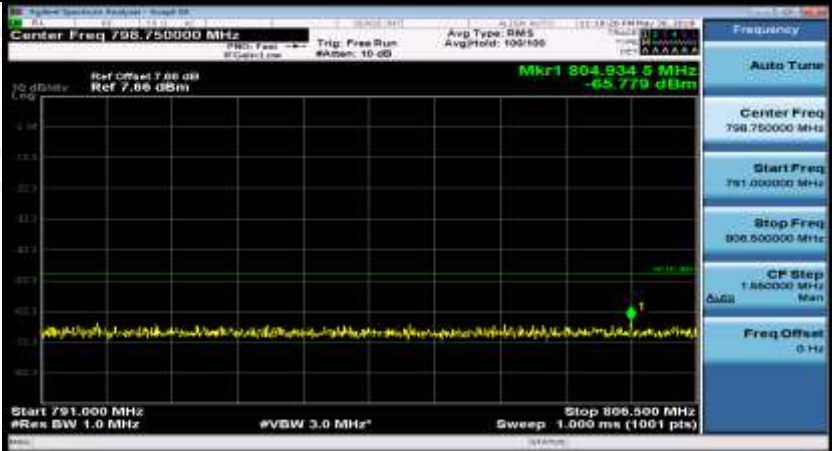
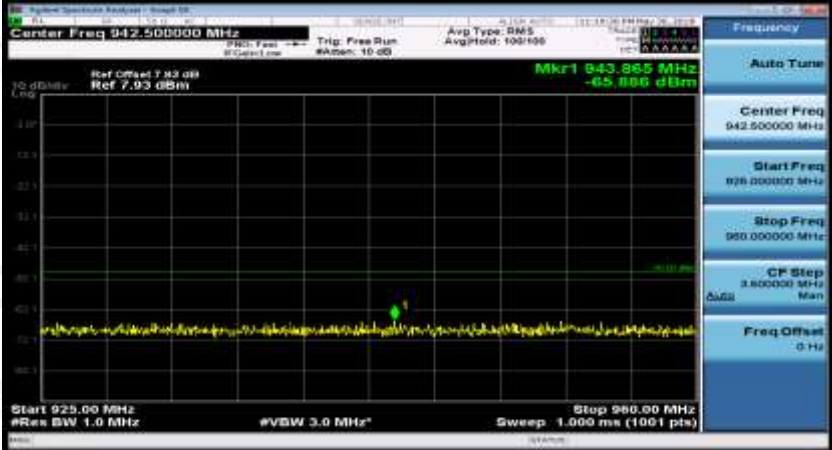
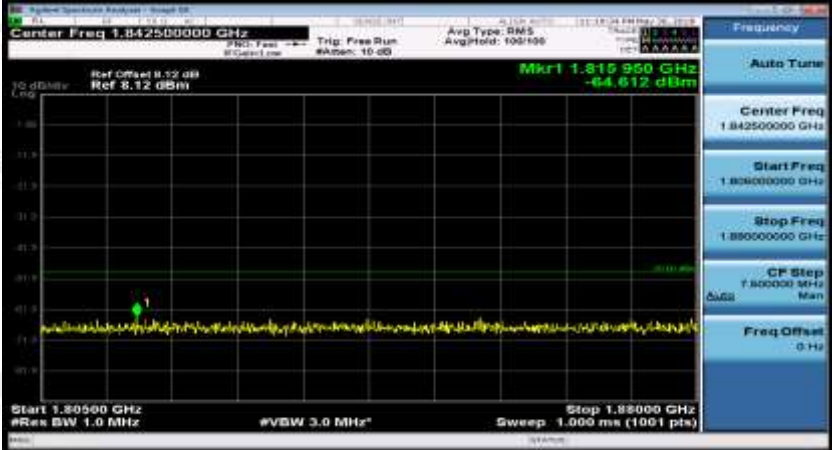


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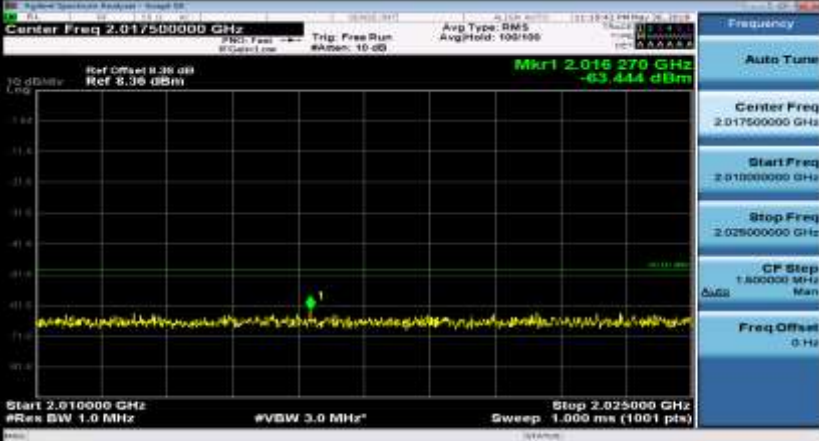
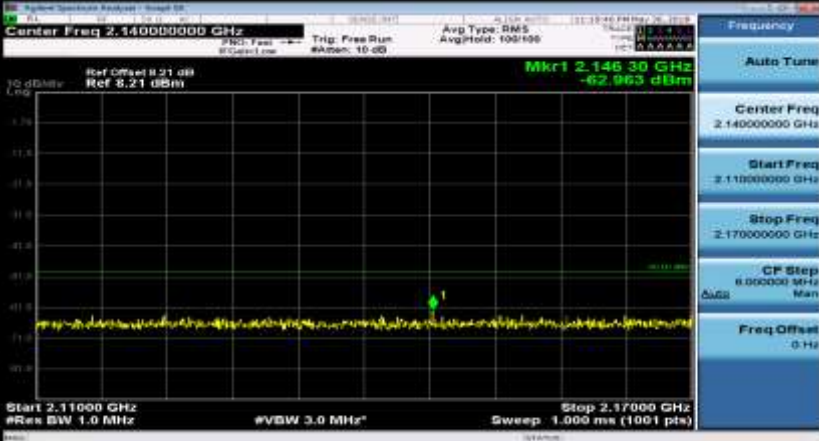
General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

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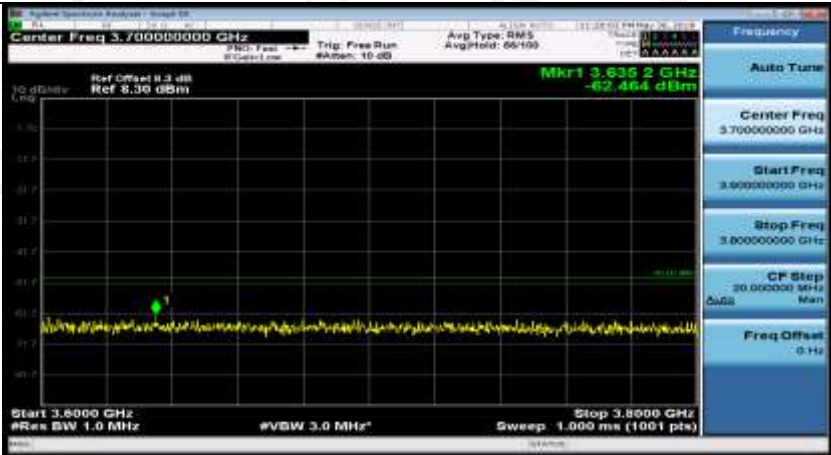
Co-existence			
Co-existence			
Co-existence			

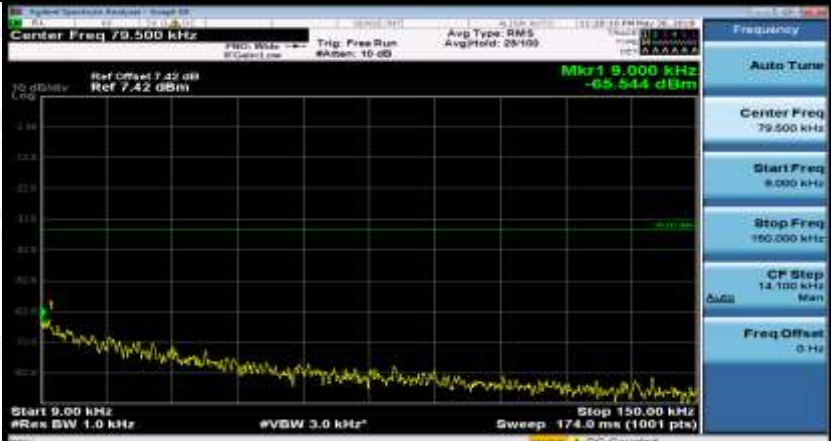
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Co-existence	
Co-existence	
Co-existence	

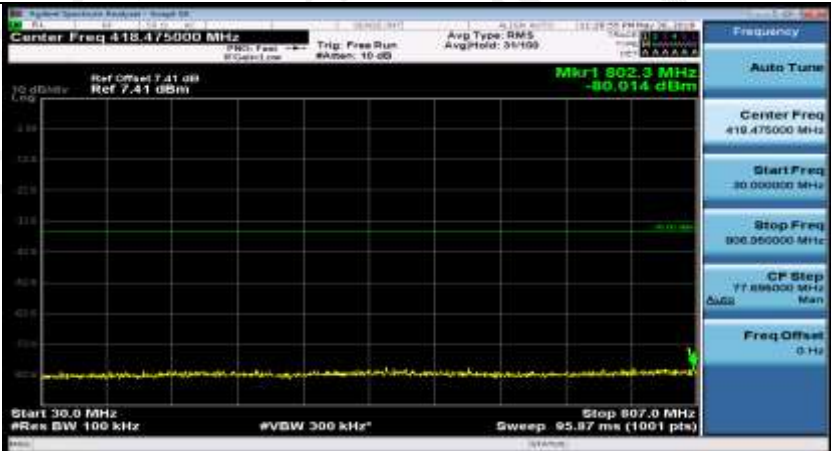

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Co-existence	
Additional	NA


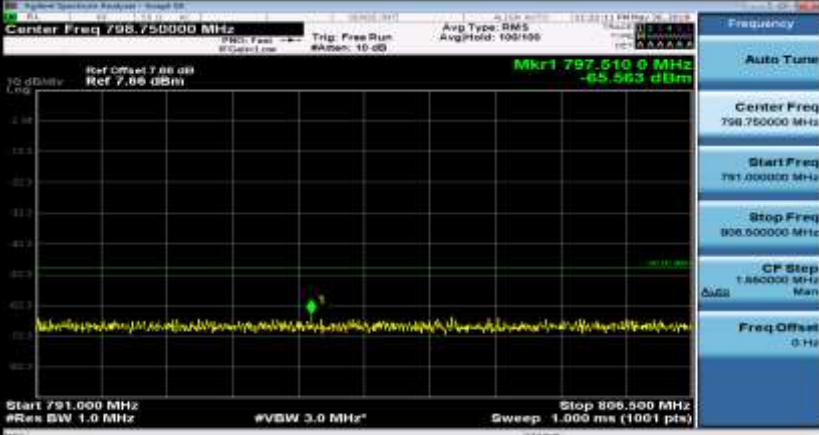
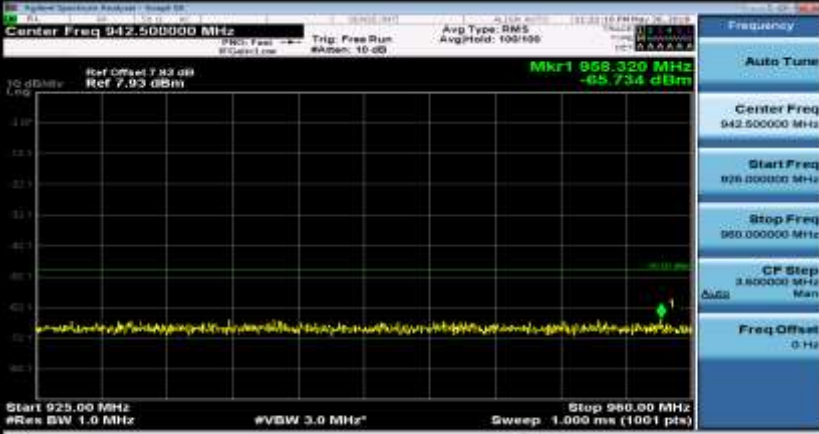
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#max	
General	
General	

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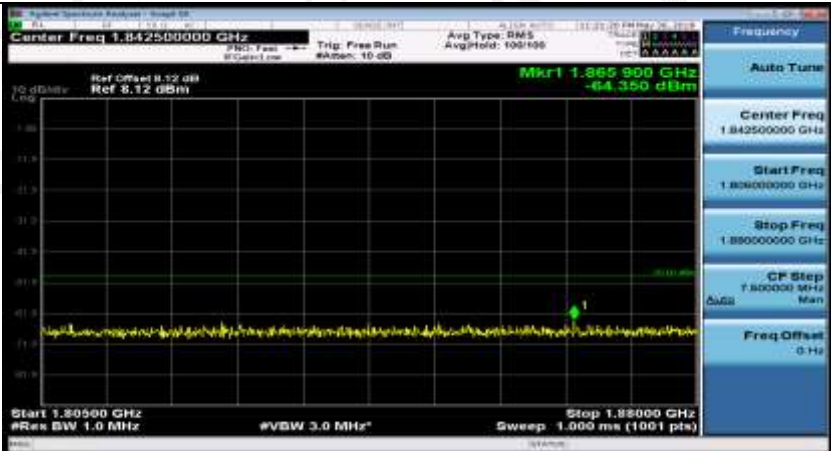
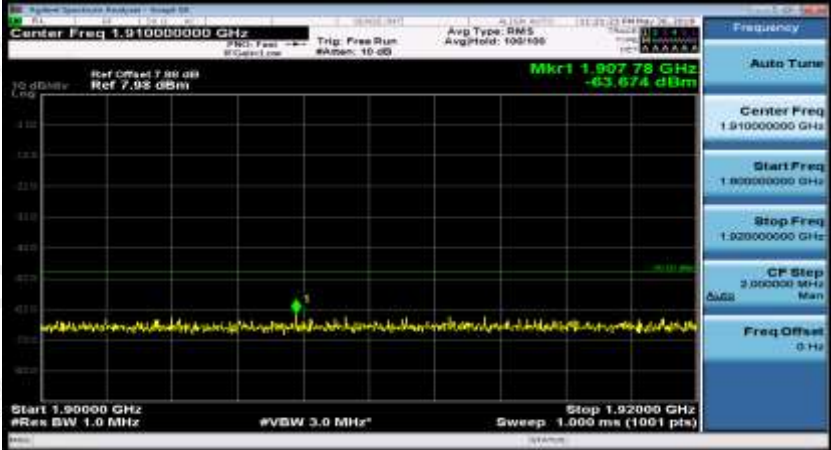
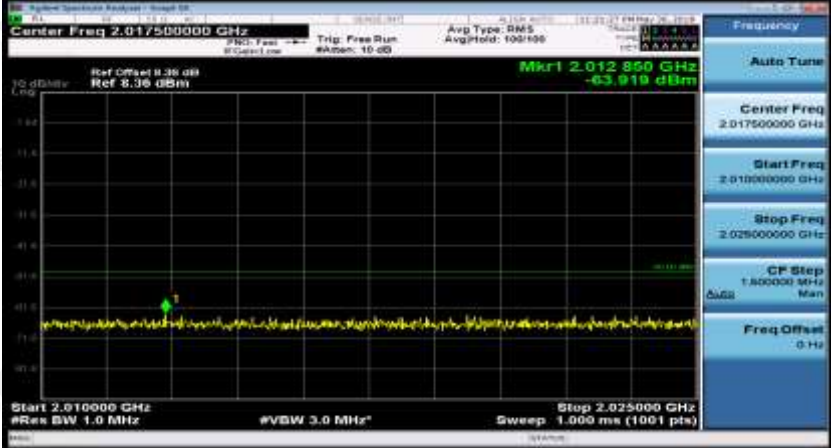
General	
General	
General	

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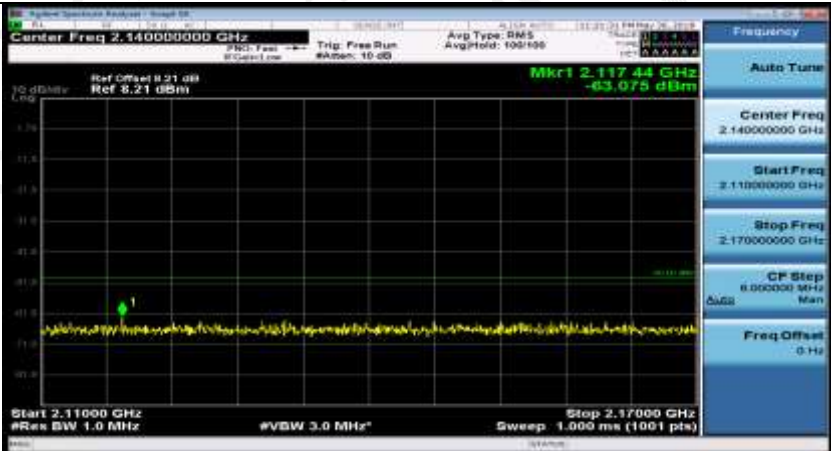
General			
Co-existence			
Co-existence			

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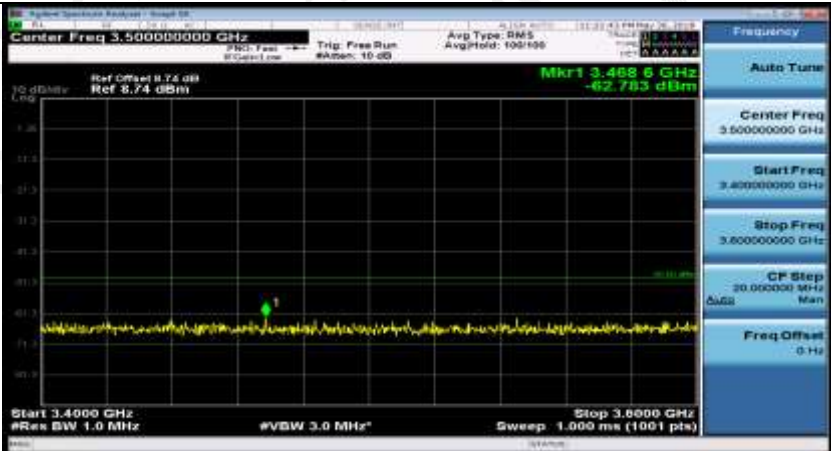
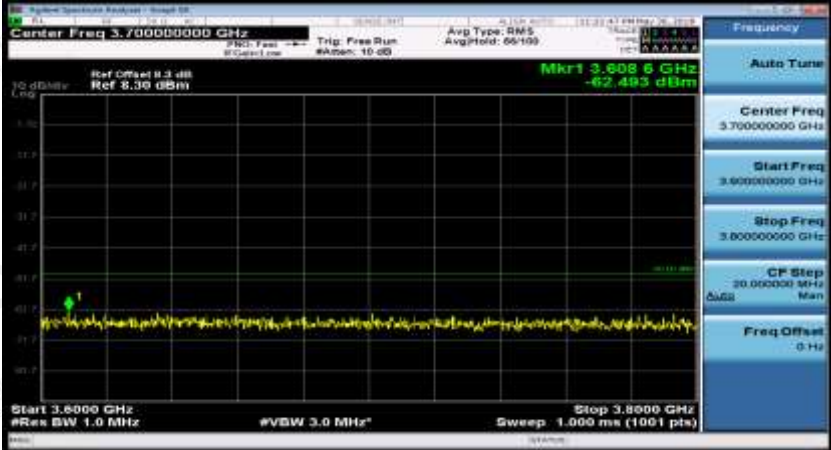
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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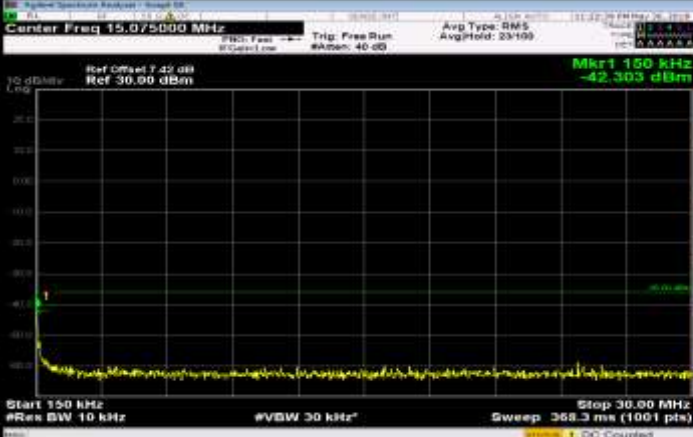
Co-existence	
Co-existence	
Additional	NA

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

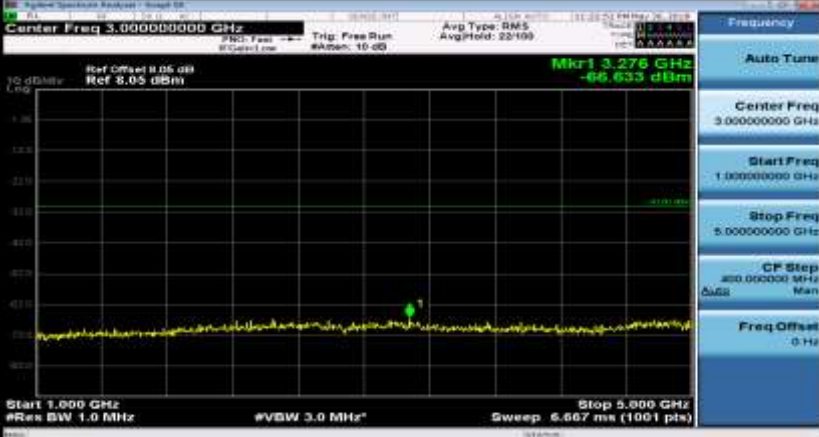

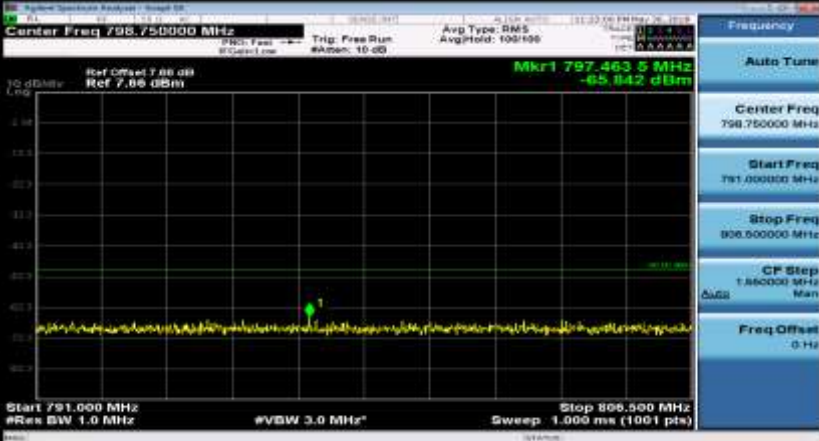
General	
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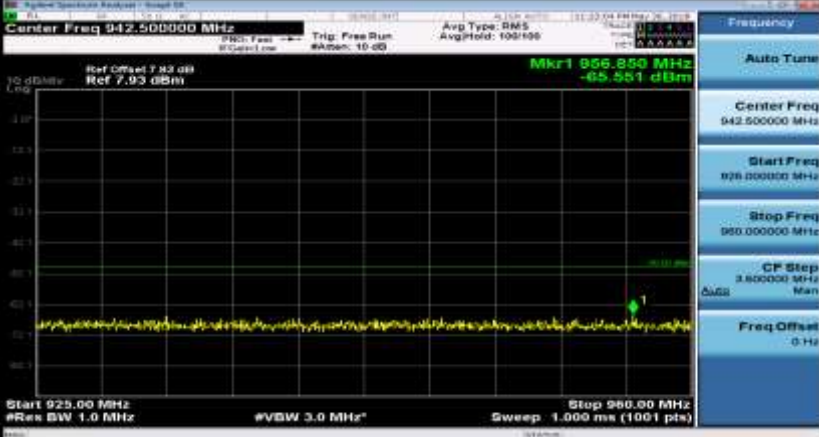
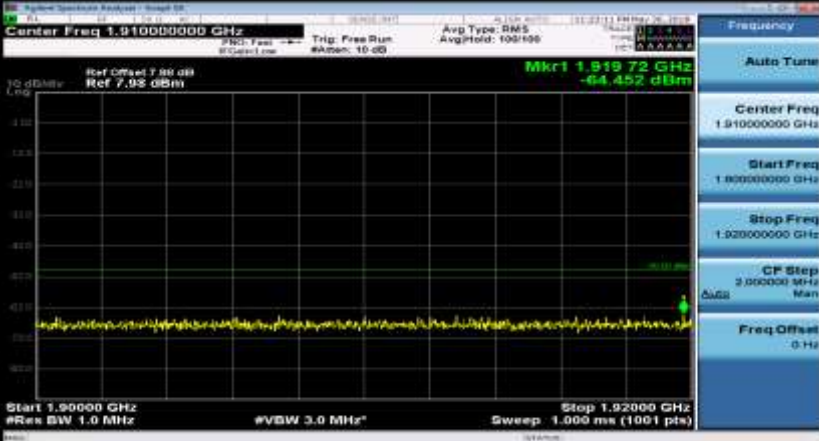
General			
General			
General			

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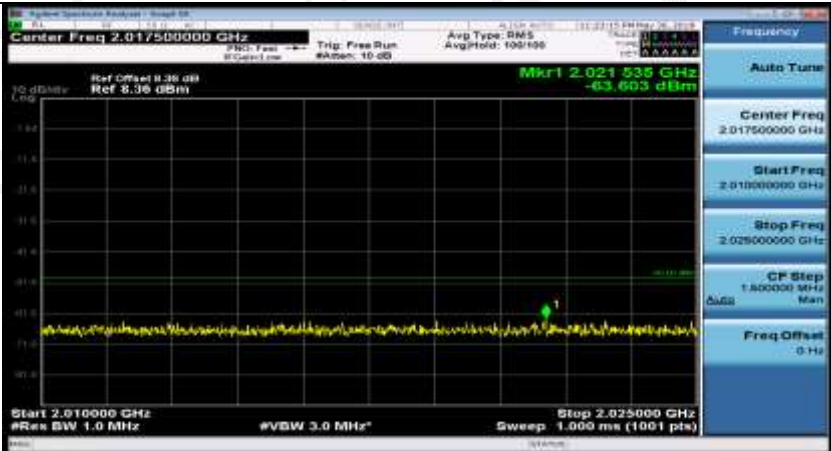
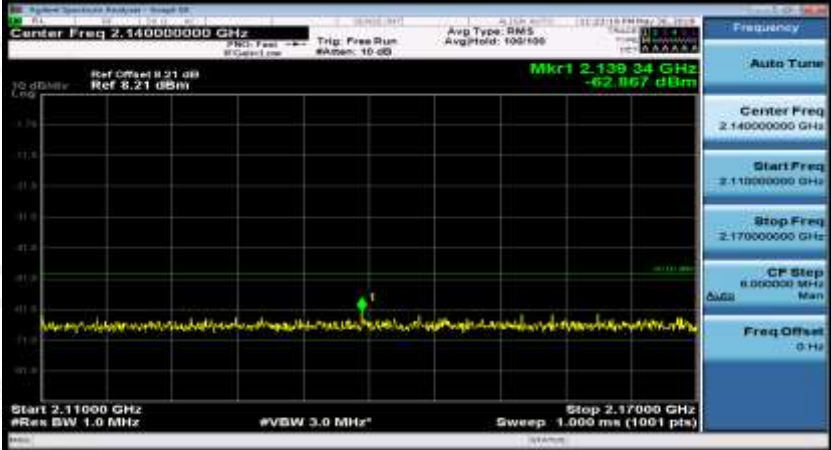
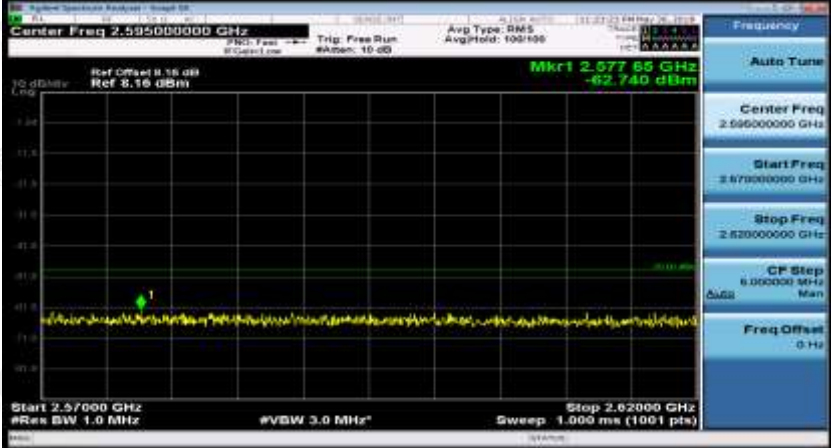
General			
General			
Co-existence			

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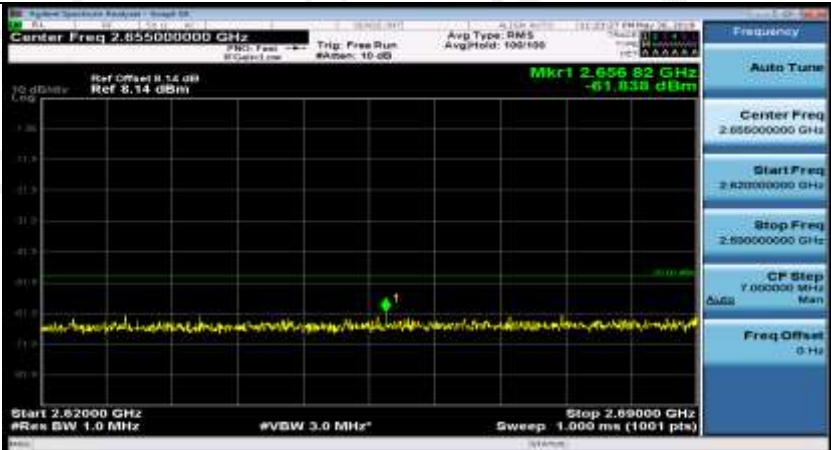
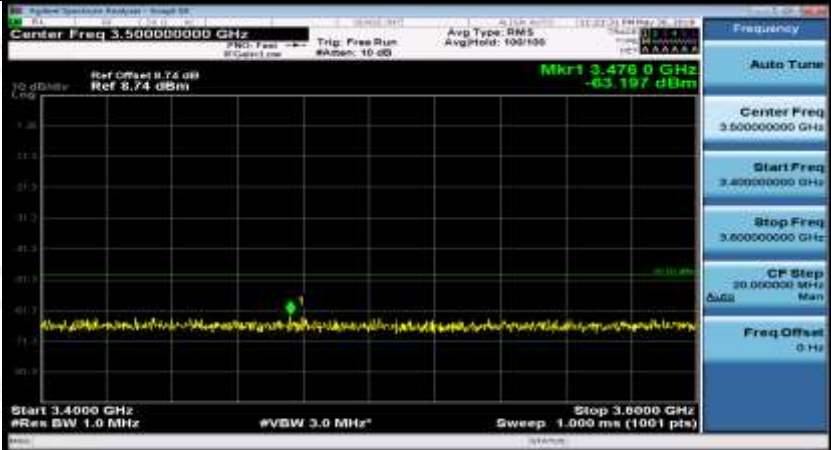
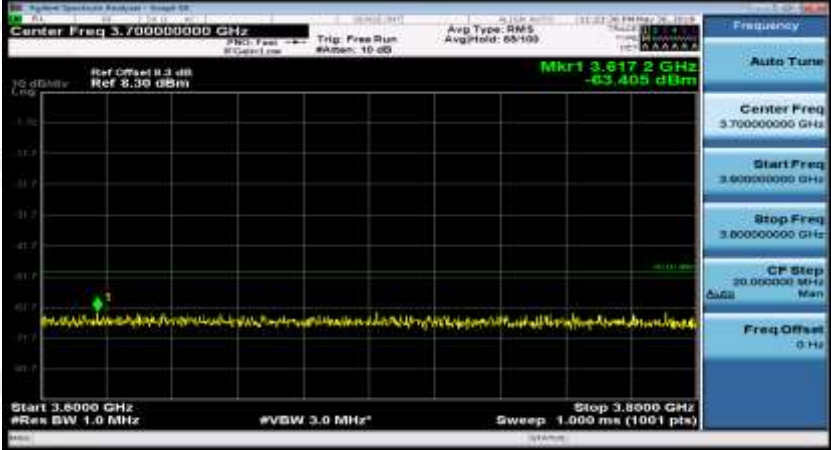
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

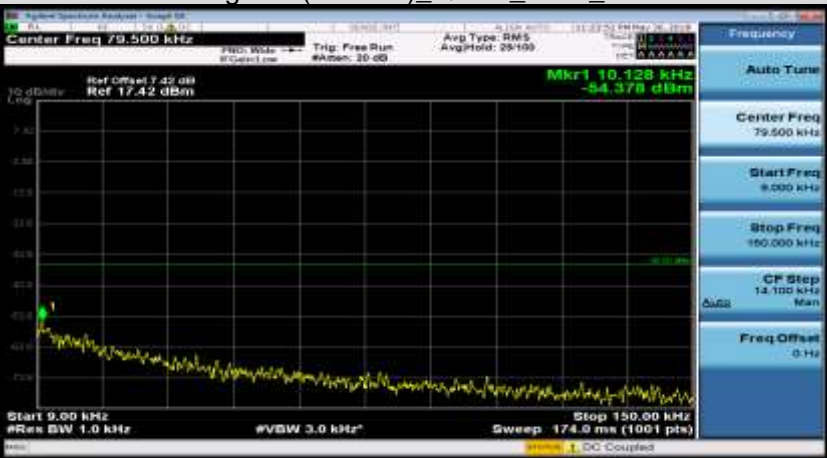

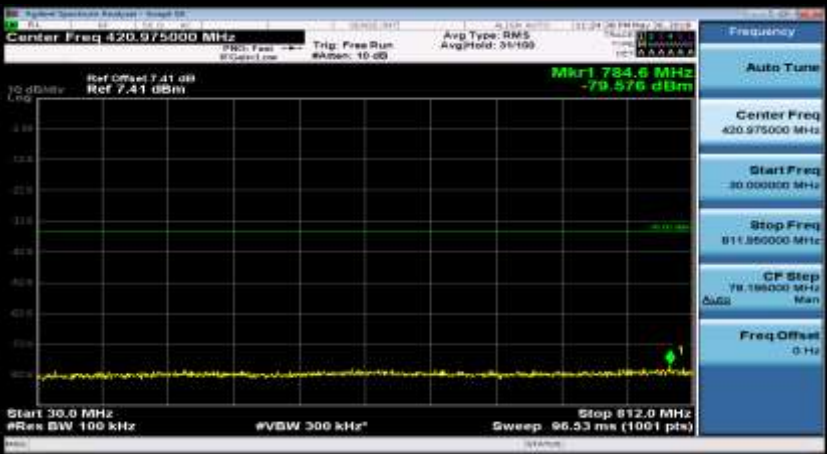
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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

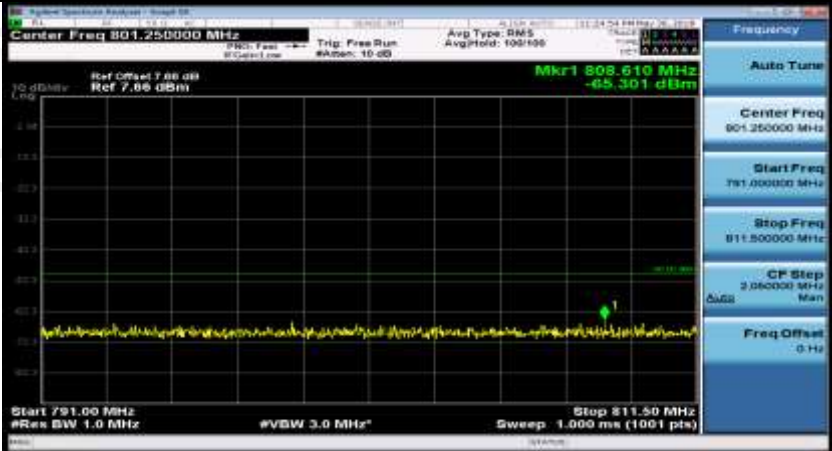
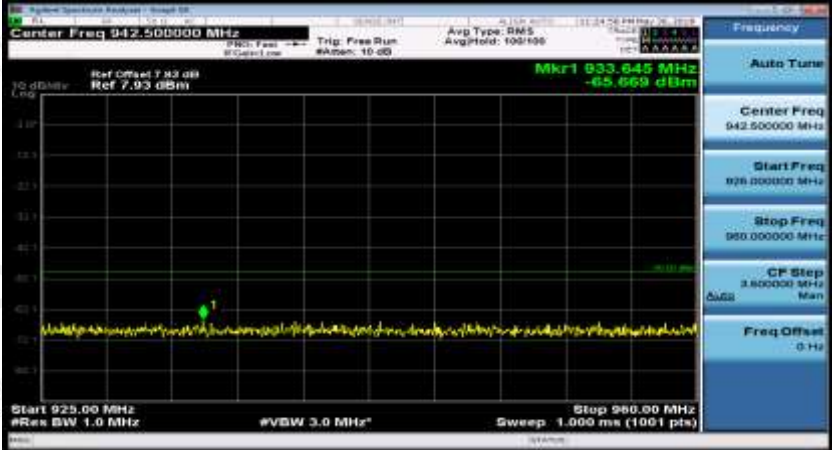
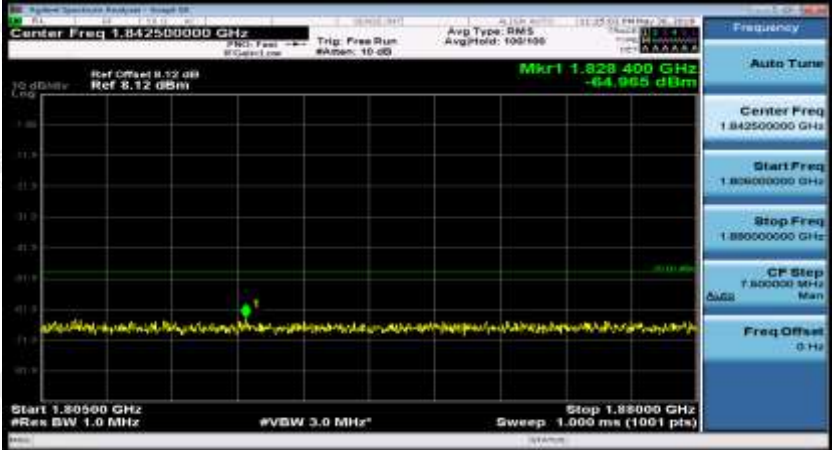
General		
General		
General		

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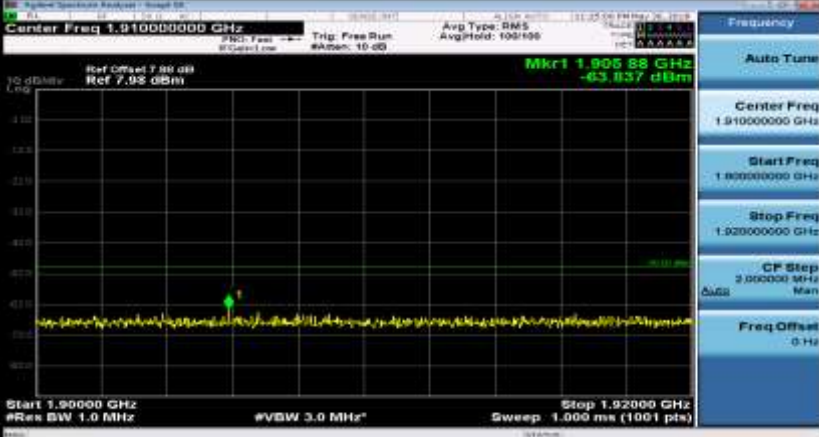
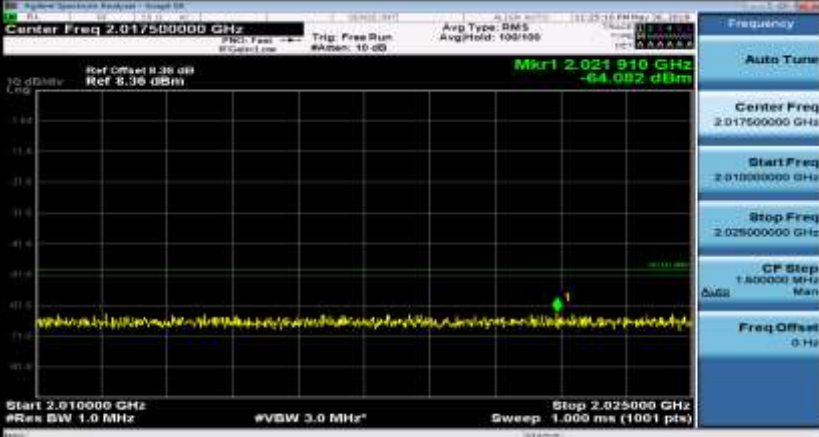
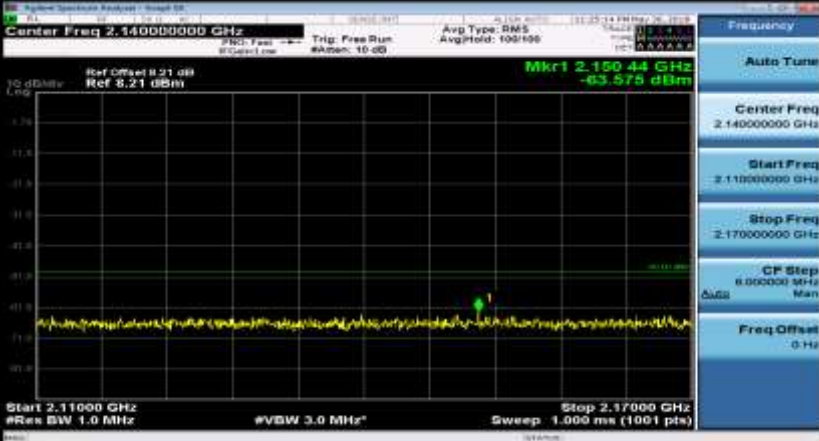
General			
General			
General			

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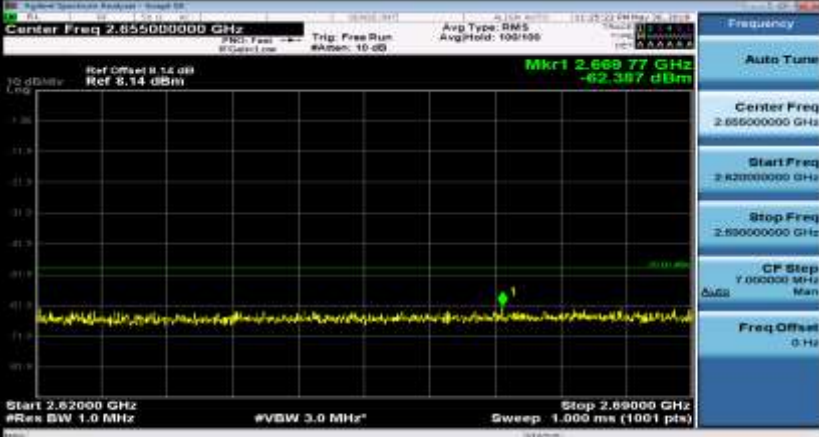
Co-existence	
Co-existence	
Co-existence	

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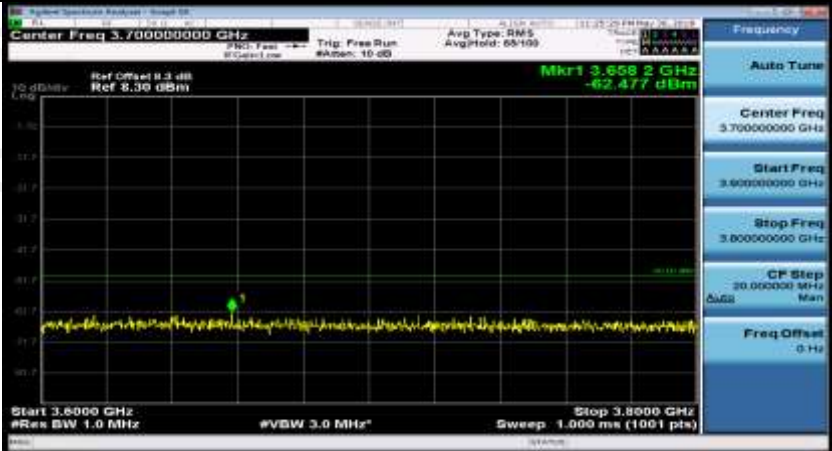
Co-existence			
Co-existence			
Co-existence			

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Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Additional	NA

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


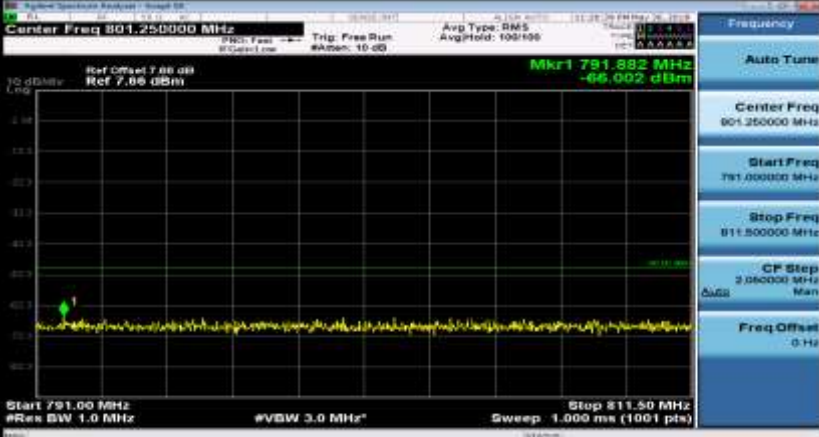
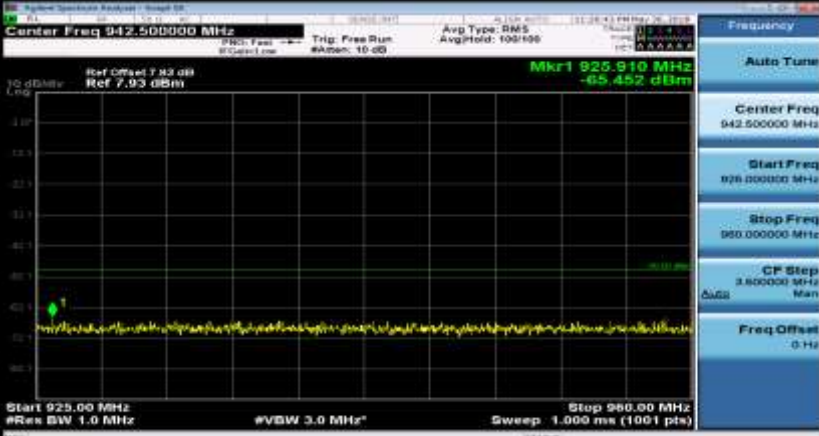
General	
General	

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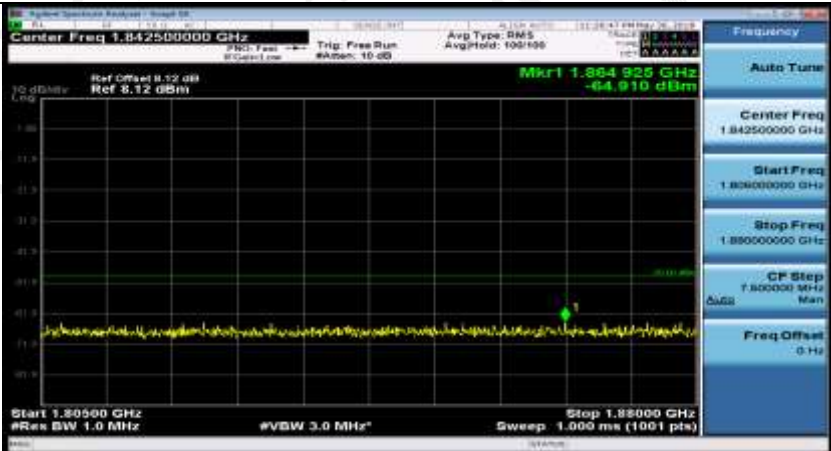
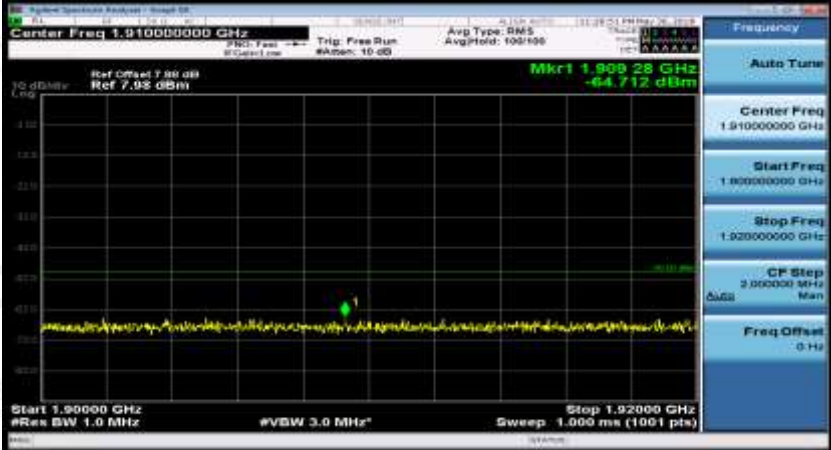
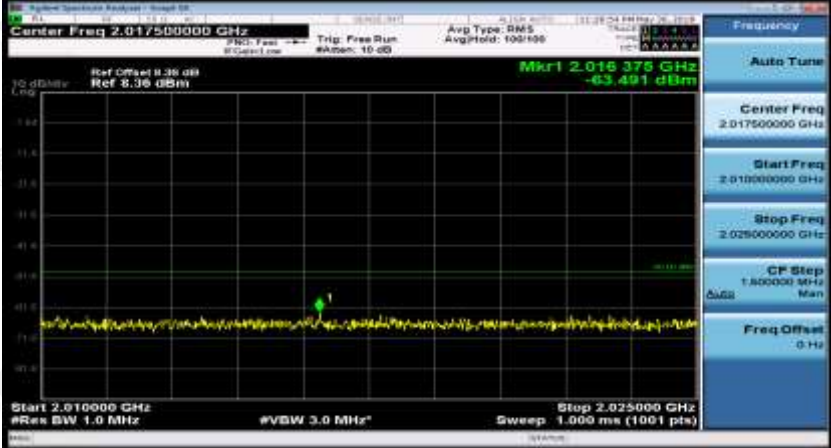
General	
General	
General	

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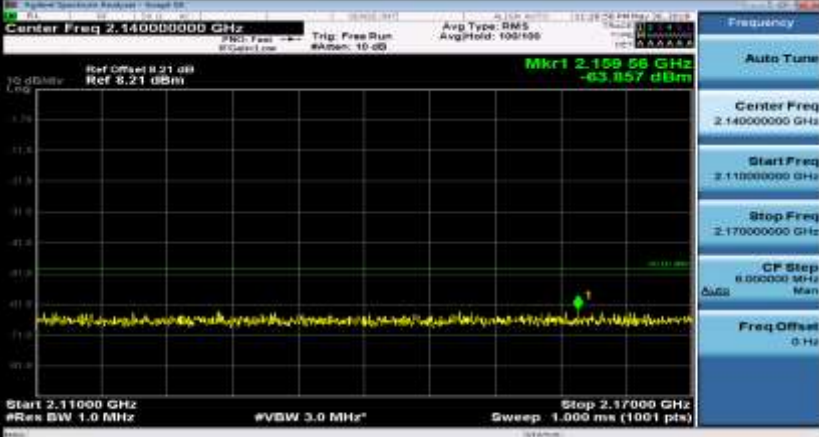
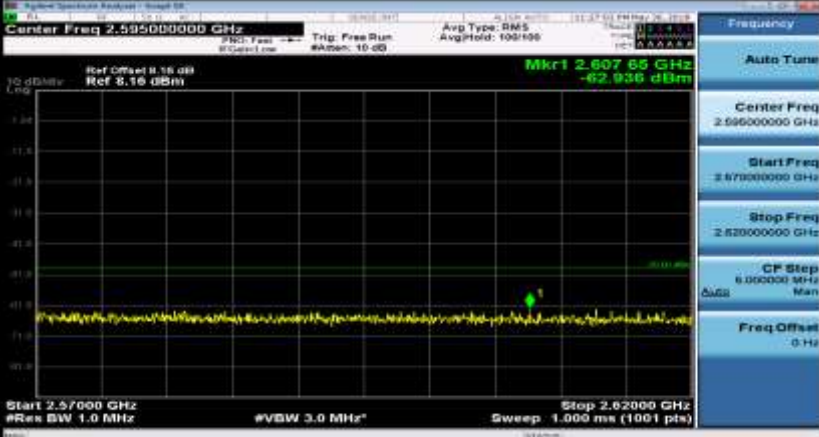
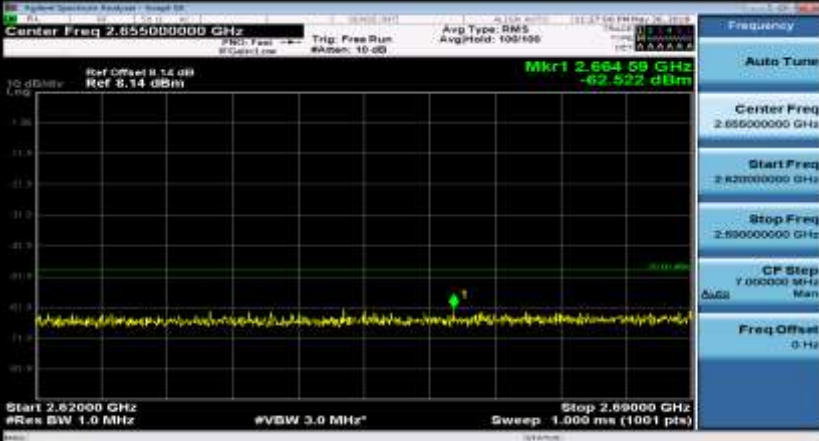
General			
Co-existence			
Co-existence			

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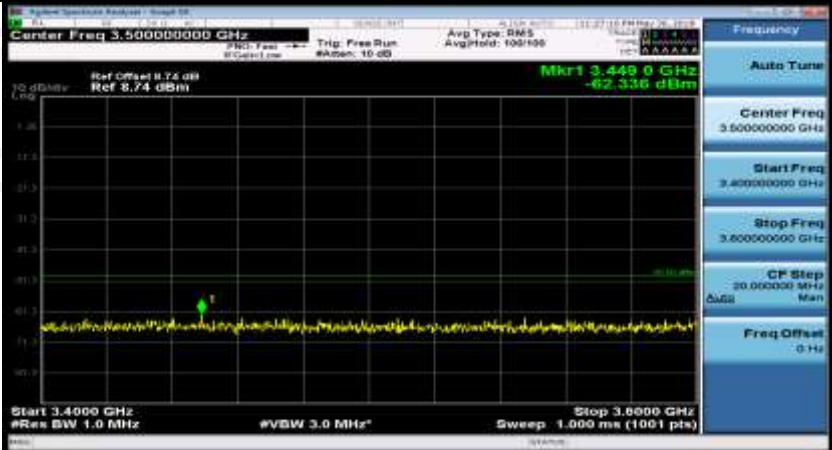
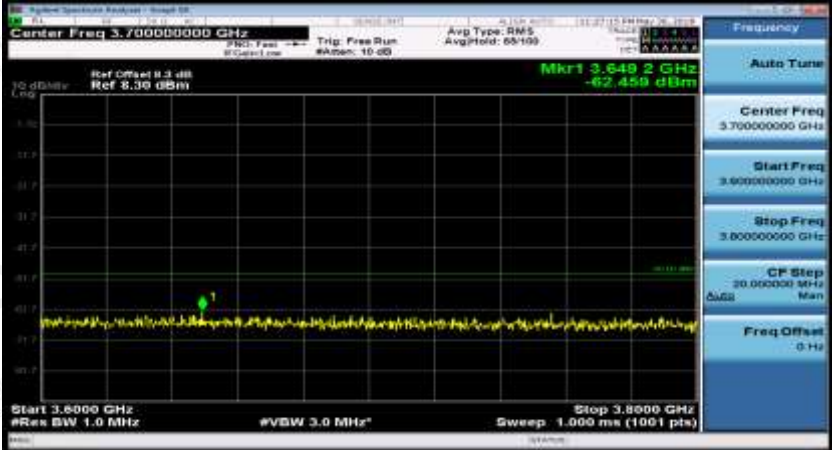
Co-existence	
Co-existence	
Co-existence	

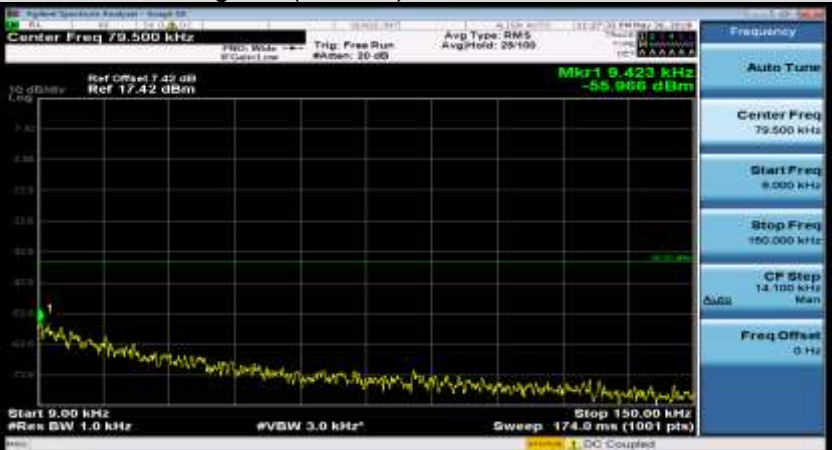
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Co-existence			
Co-existence			
Co-existence			

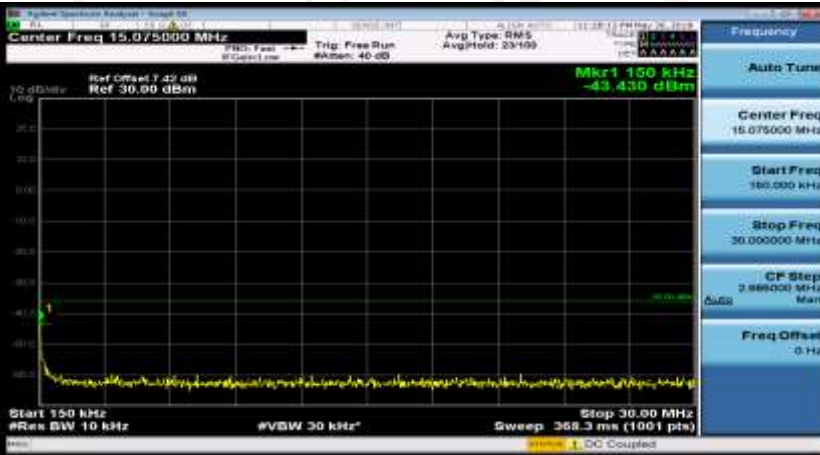
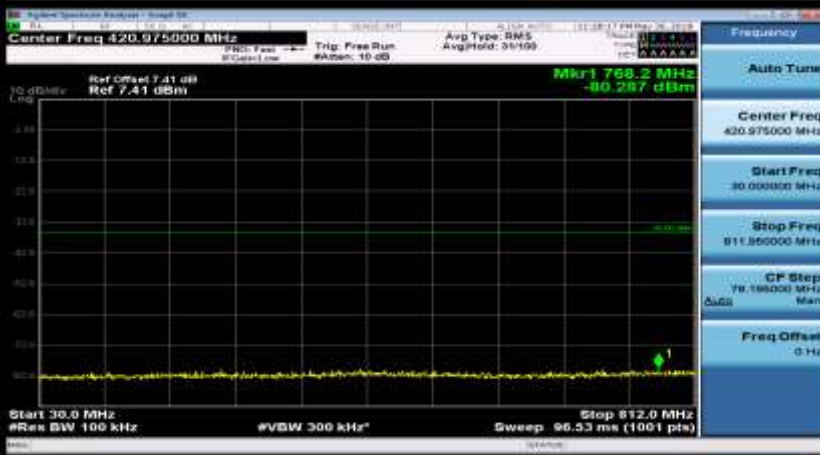

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Co-existence	
Co-existence	
Additional	NA


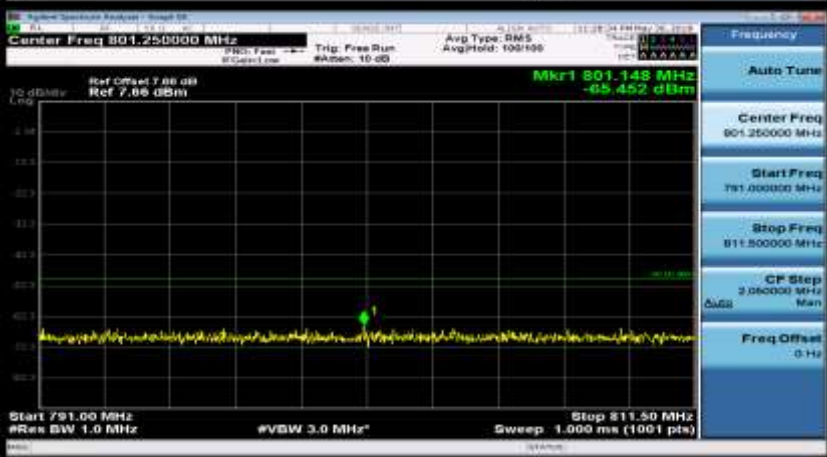
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullIRB#0	
General	

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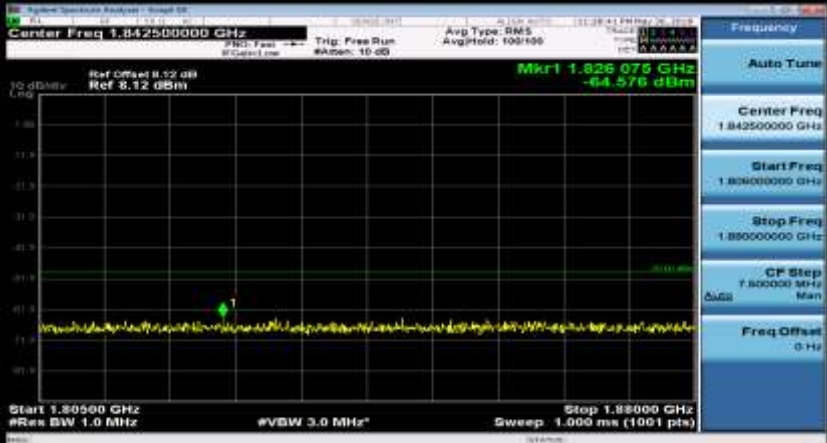
General		
General		
General		

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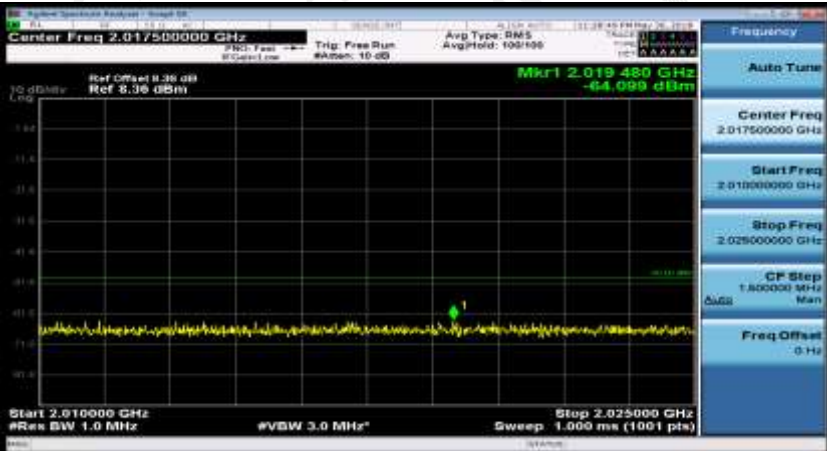
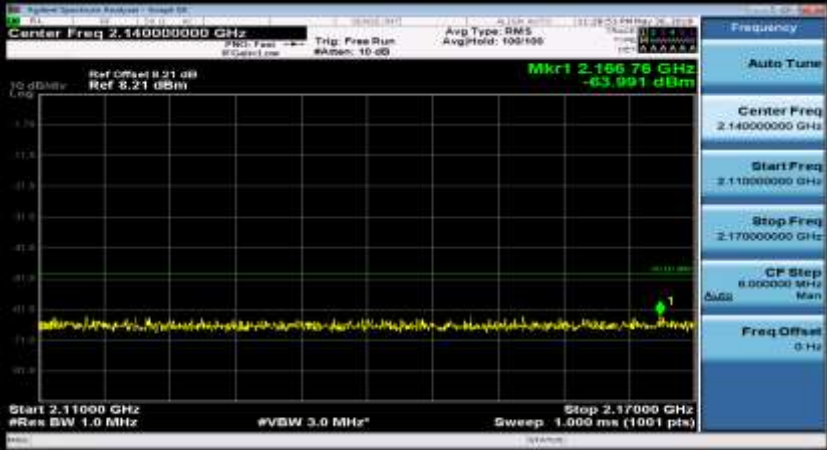
General		
General		
Co-existence		

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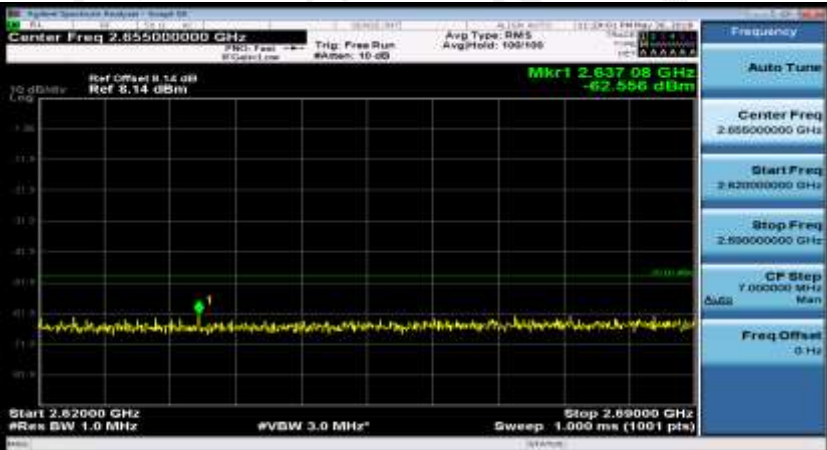
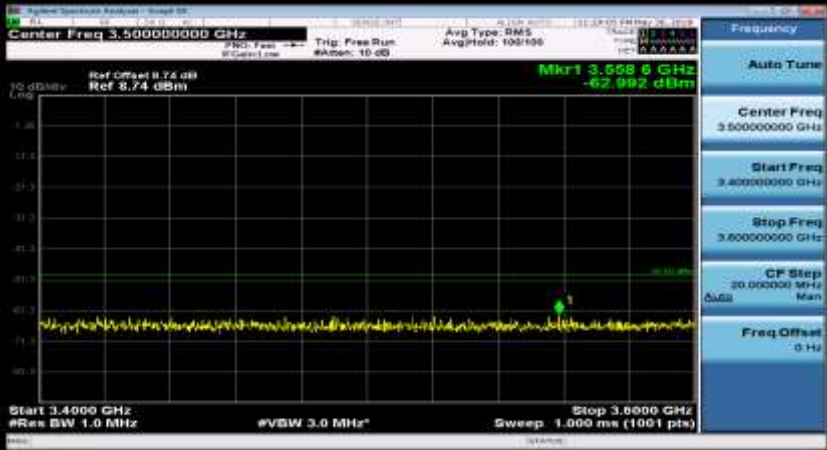
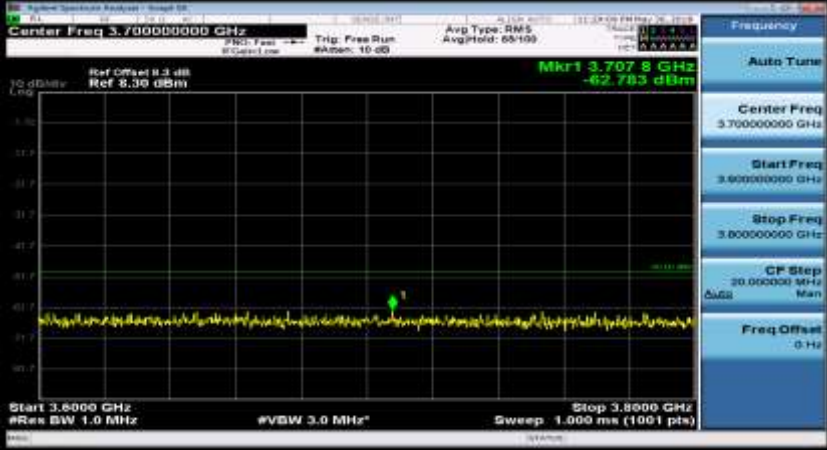
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

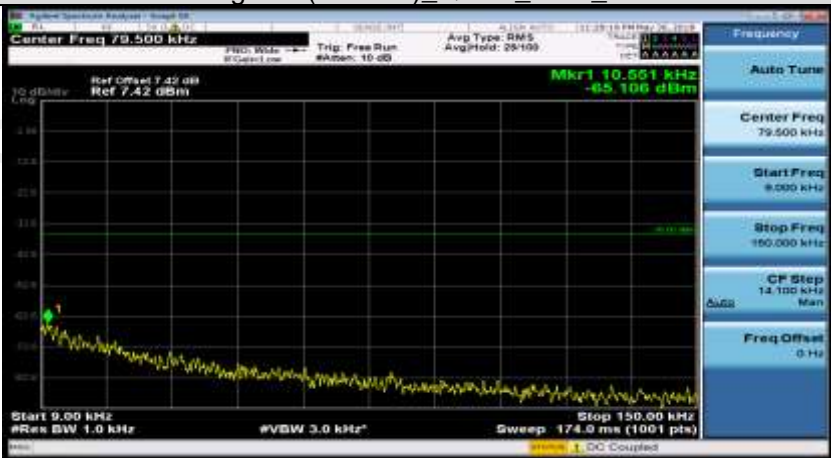

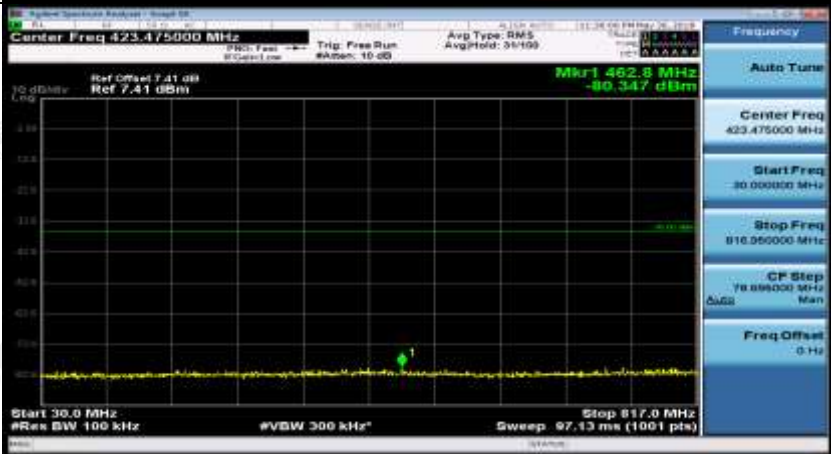
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

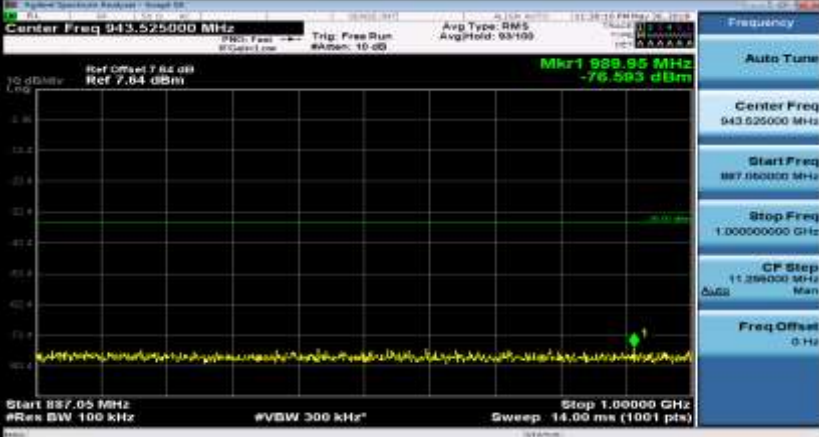
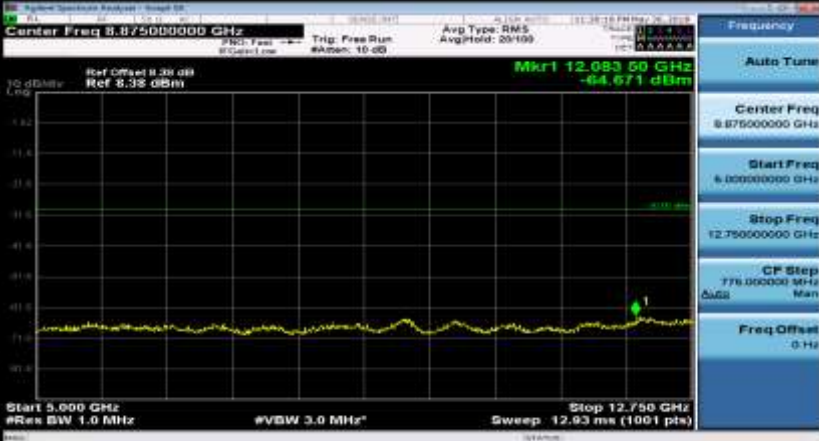
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Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0

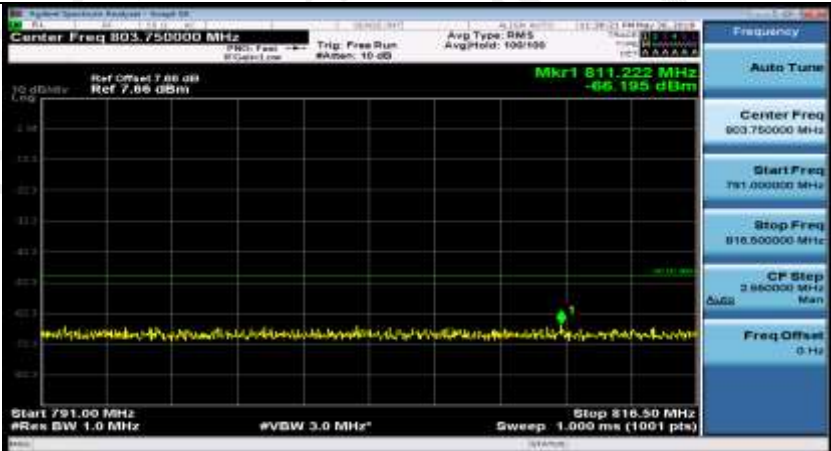
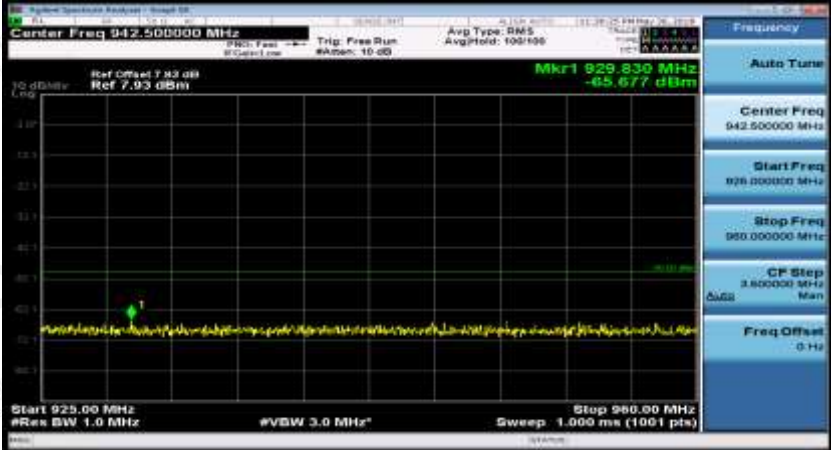
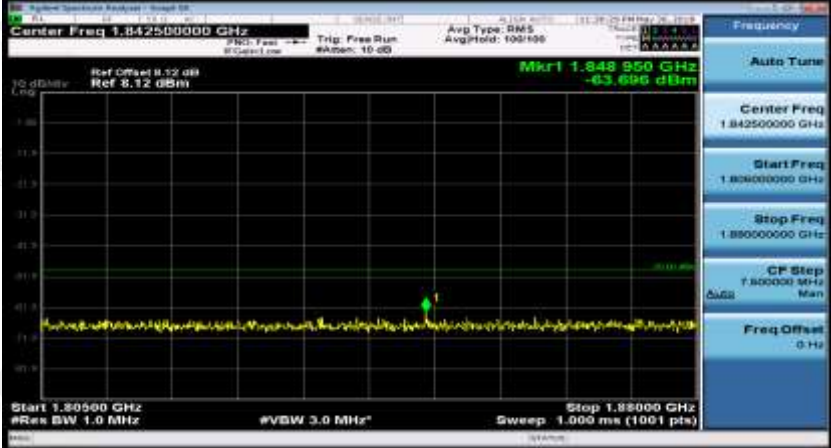
General		
General		
General		

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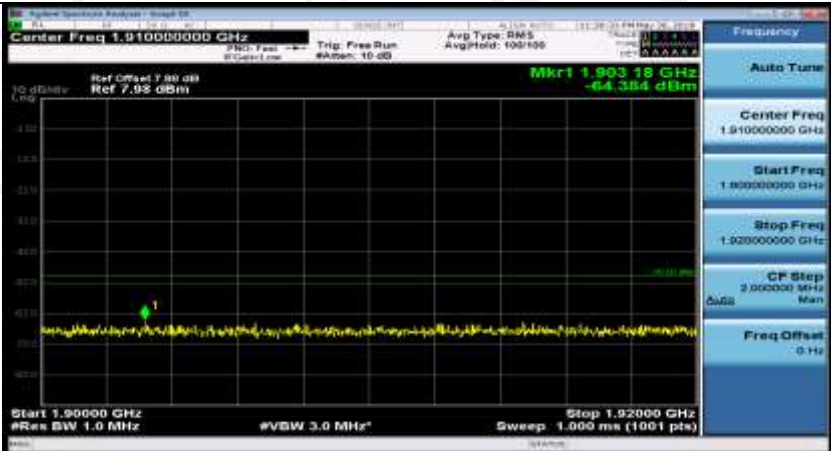
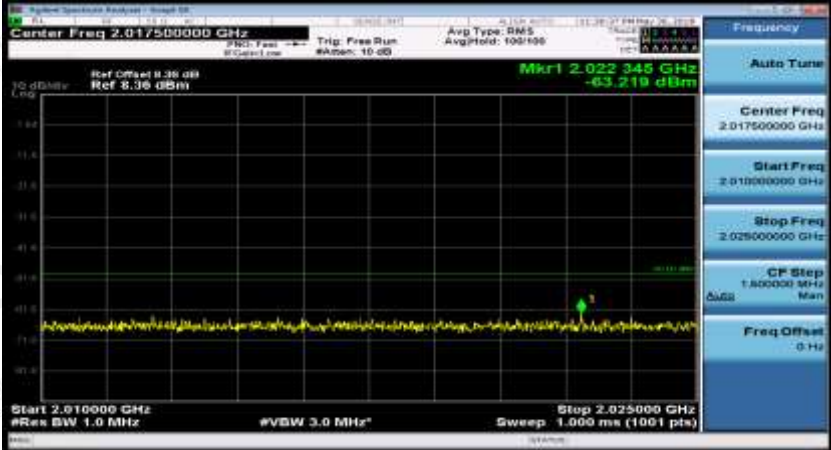
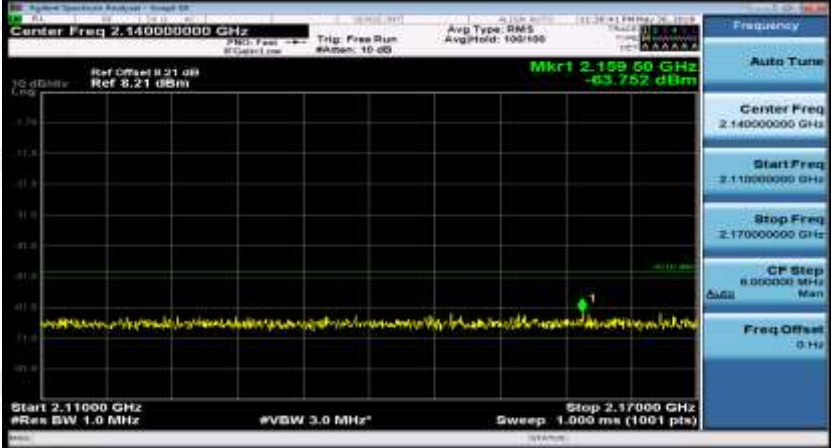
General			
General			
General			

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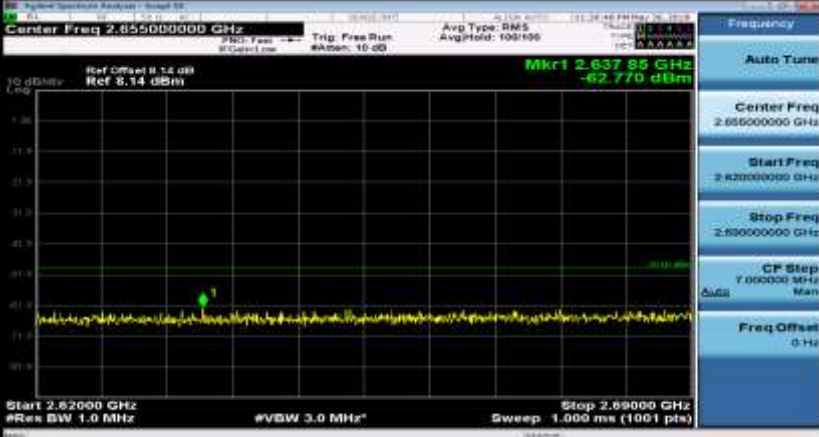
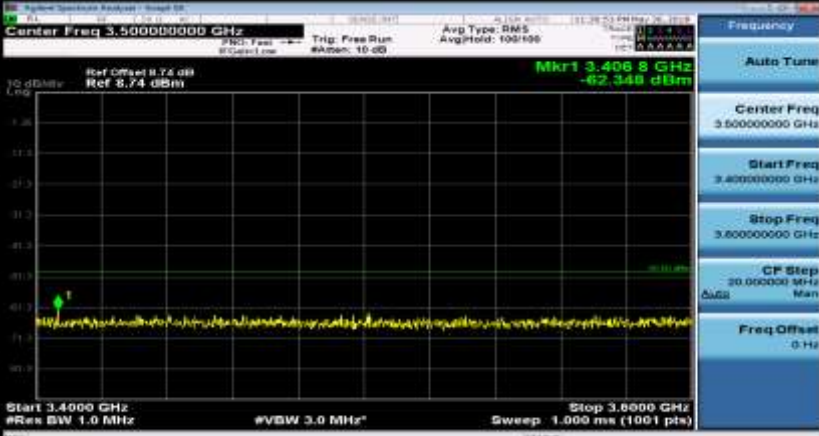
Co-existence	
Co-existence	
Co-existence	

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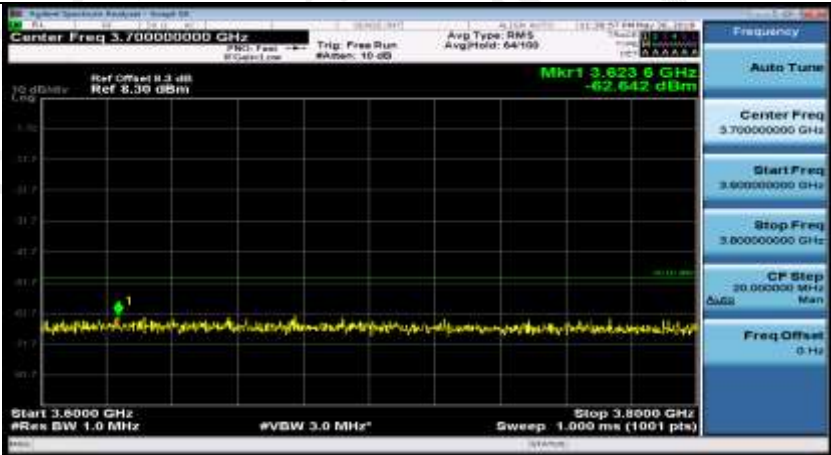
Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			


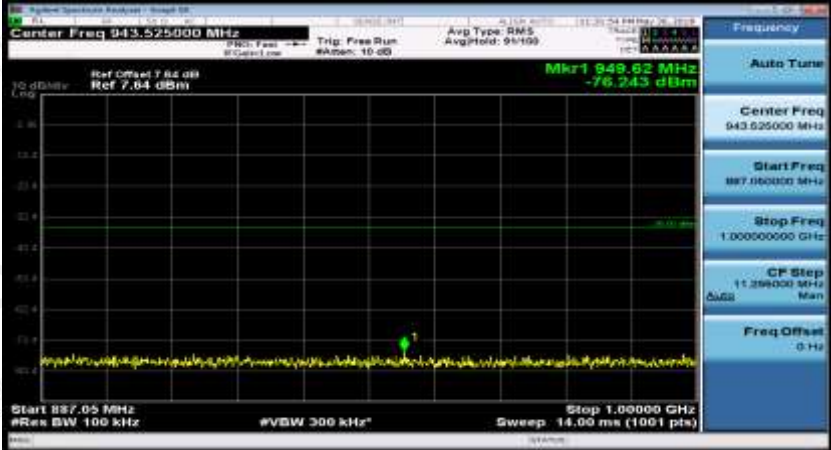
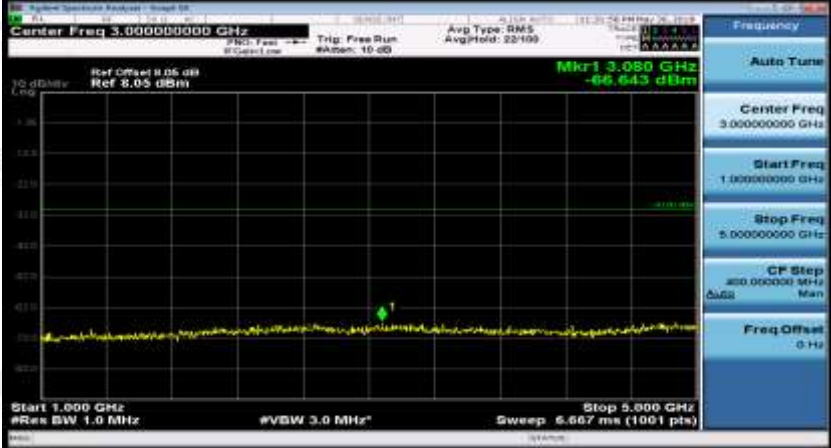
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Co-existence	
Additional	NA

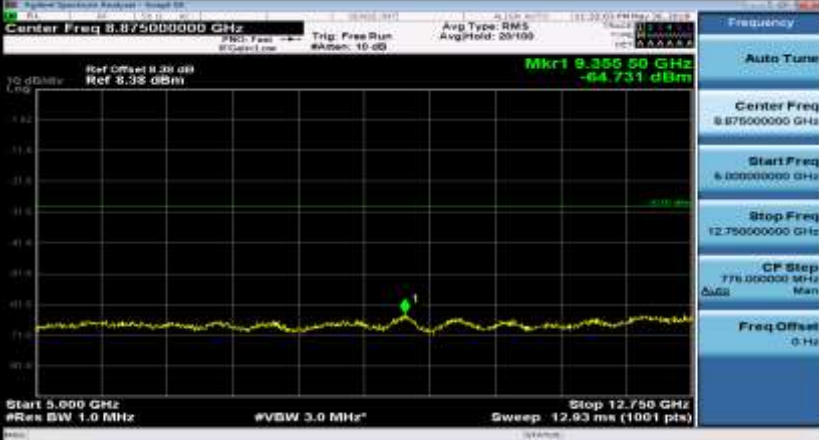
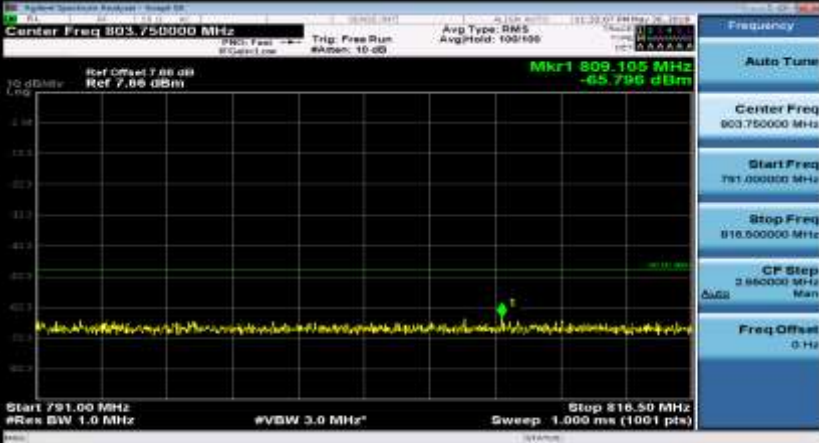

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	
General	

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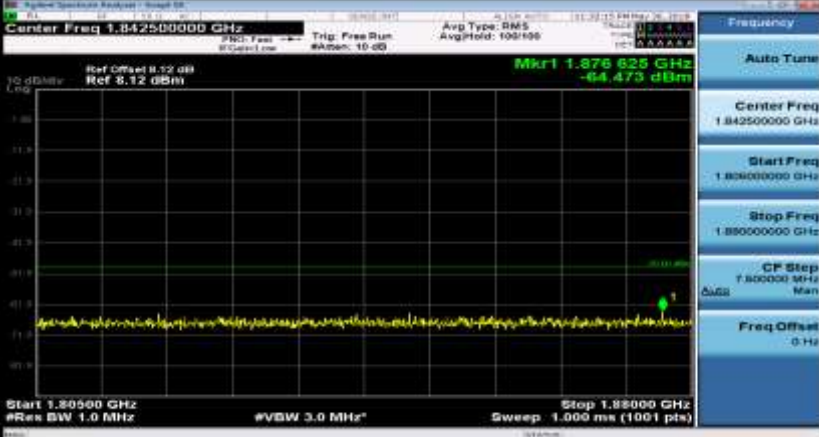
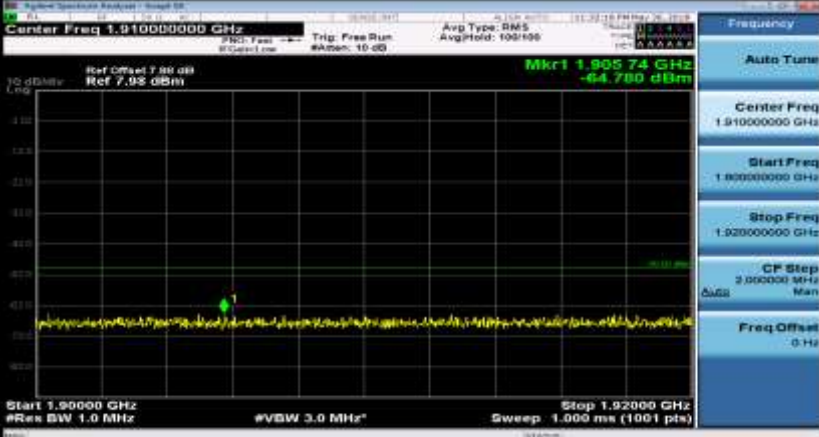
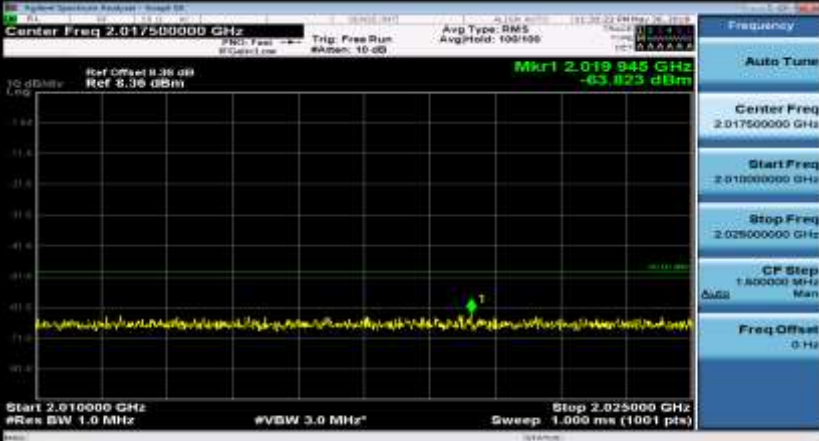
General	
General	
General	

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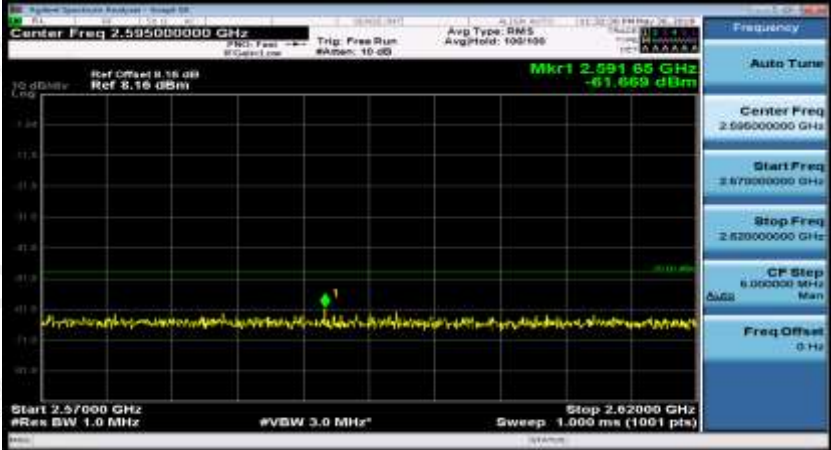
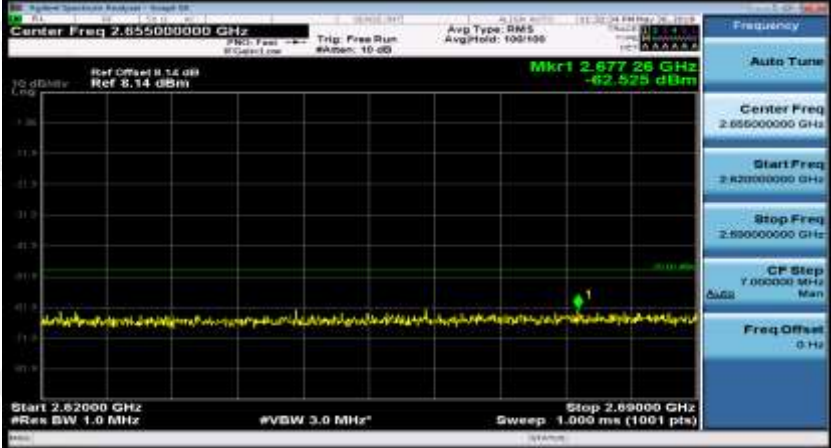
General			
Co-existence			
Co-existence			

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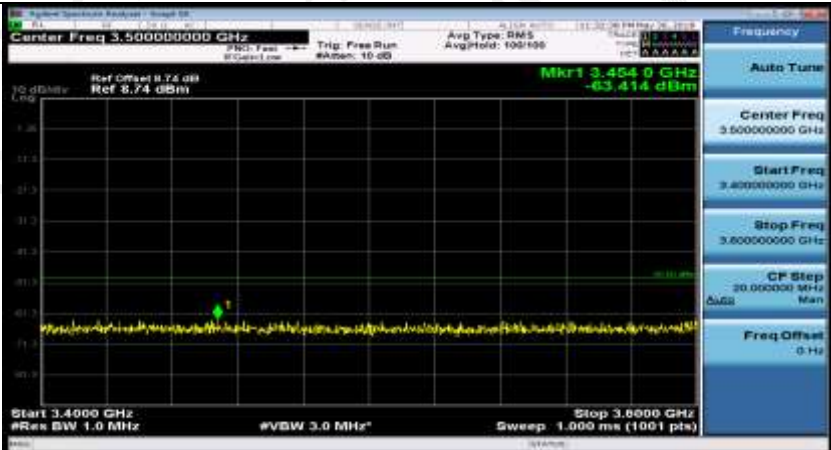
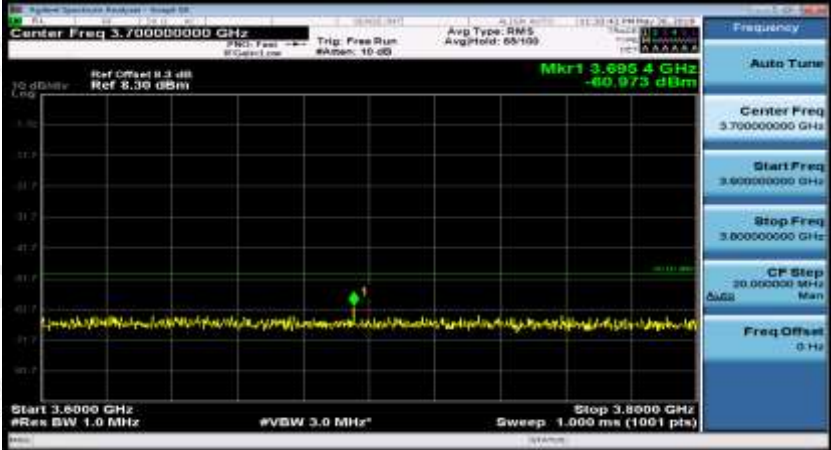
Co-existence		 <p>Agilent Spectrum Analyzer - Sweep 50 Center Freq 1.842500000 GHz Ref Offset 0.12 dB Ref 8.12 dBm Mkr1 1.876 625 GHz -64.473 dBm Start 1.80000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.88000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Agilent Spectrum Analyzer - Sweep 50 Center Freq 1.910000000 GHz Ref Offset 0.80 dB Ref 7.98 dBm Mkr1 1.905 74 GHz -64.780 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 50 Center Freq 2.017500000 GHz Ref Offset 0.38 dB Ref 8.38 dBm Mkr1 2.019 948 GHz -63.823 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>	

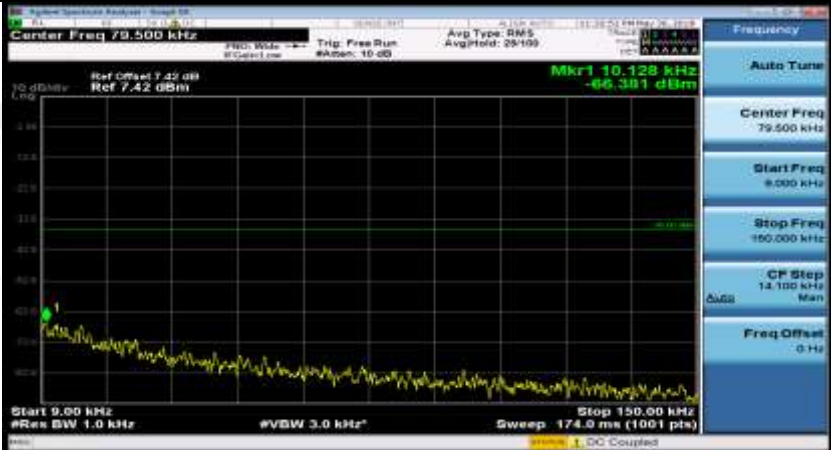
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Co-existence	
Co-existence	
Co-existence	

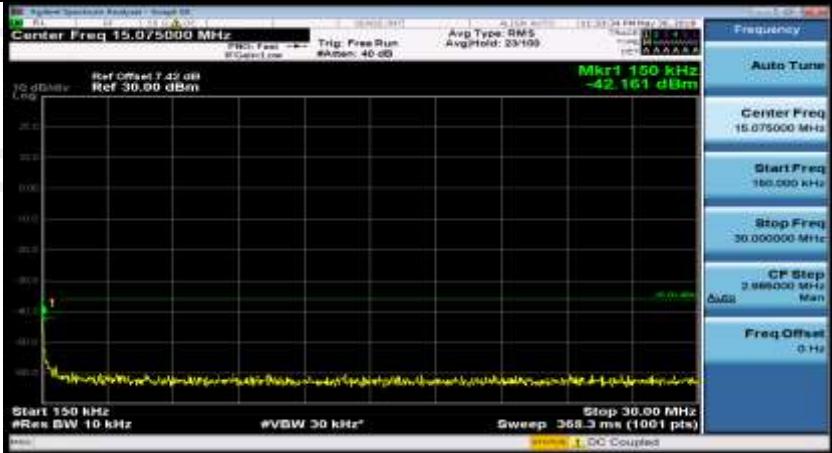
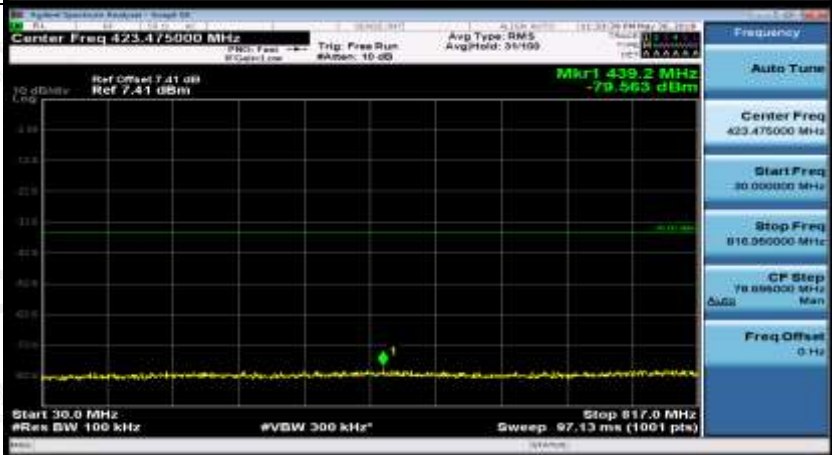
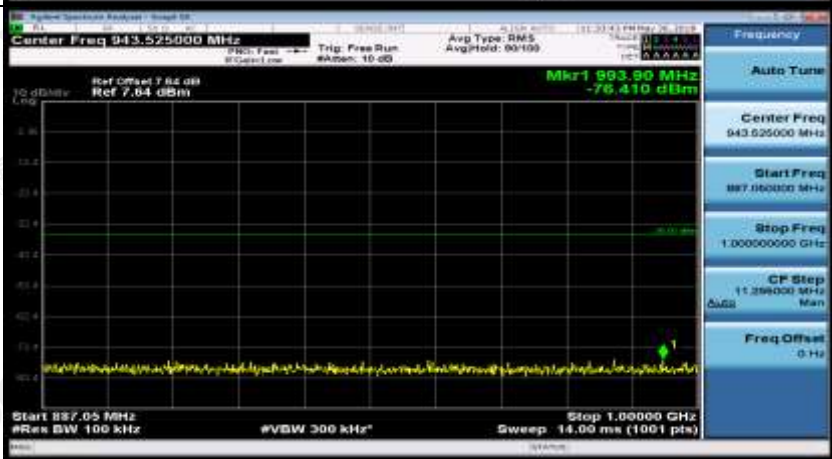
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Co-existence	
Co-existence	
Additional	NA

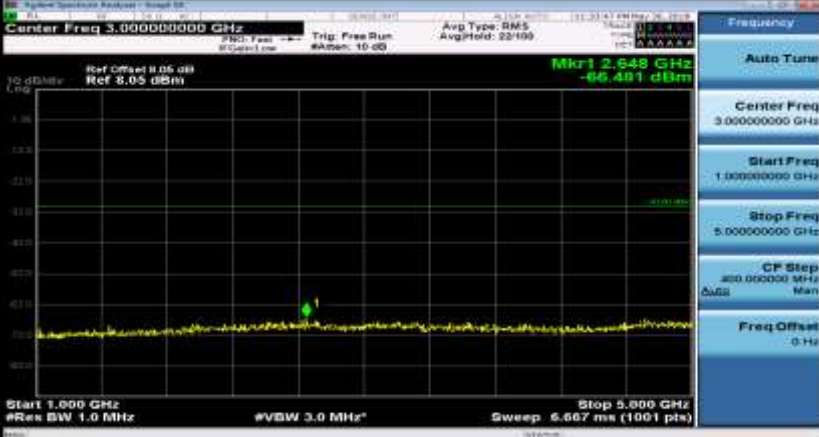
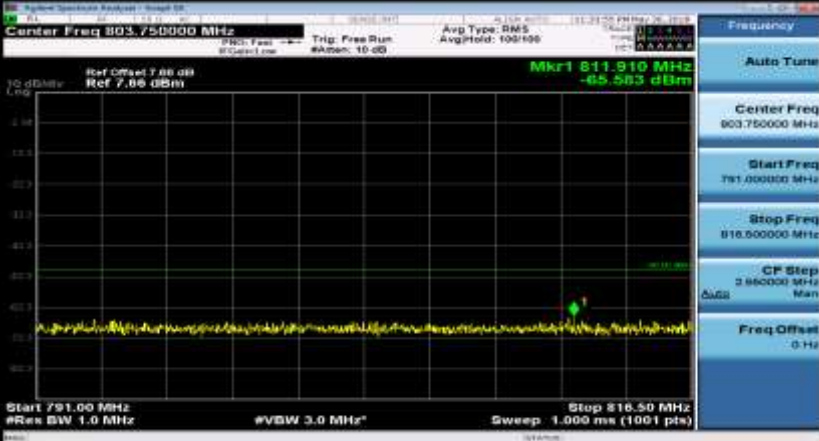
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	

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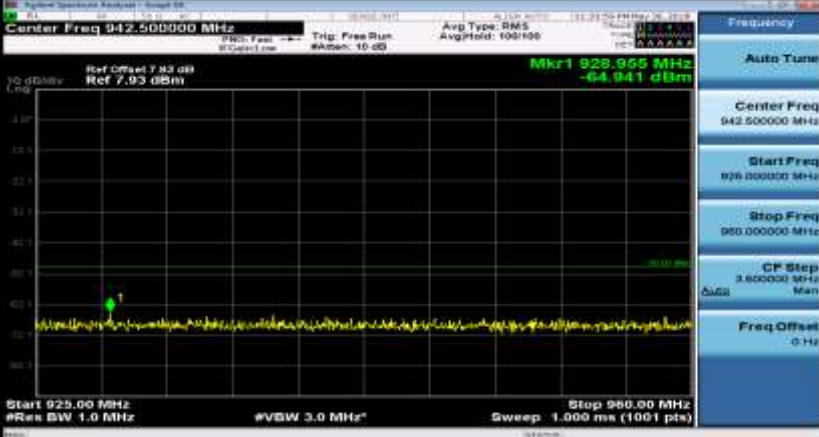
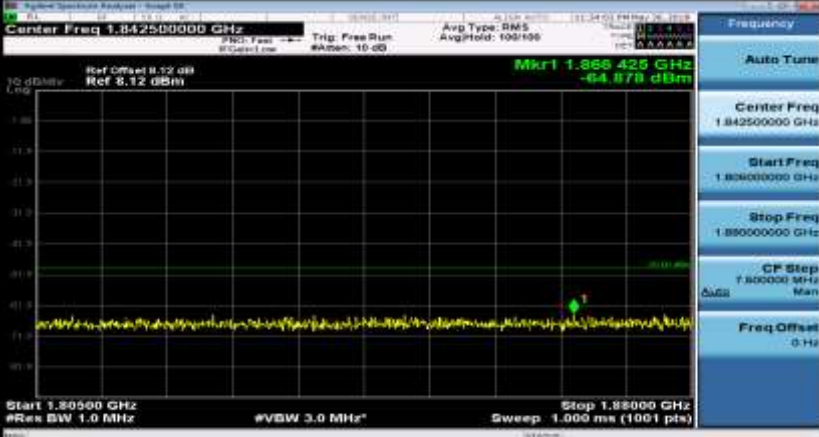
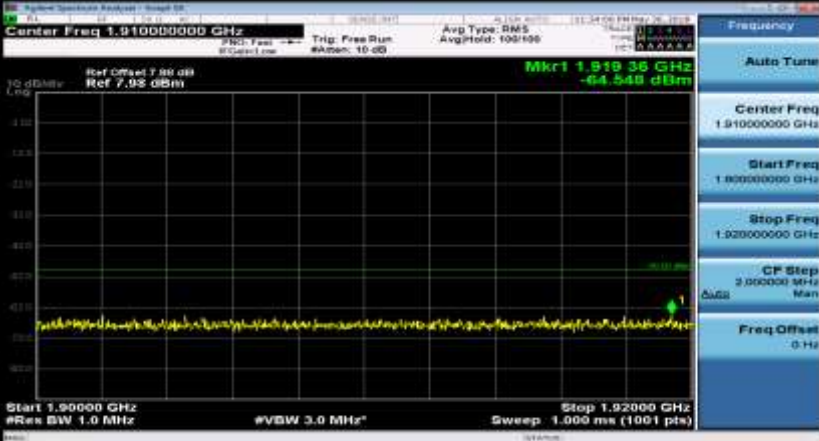
General			
General			
General			

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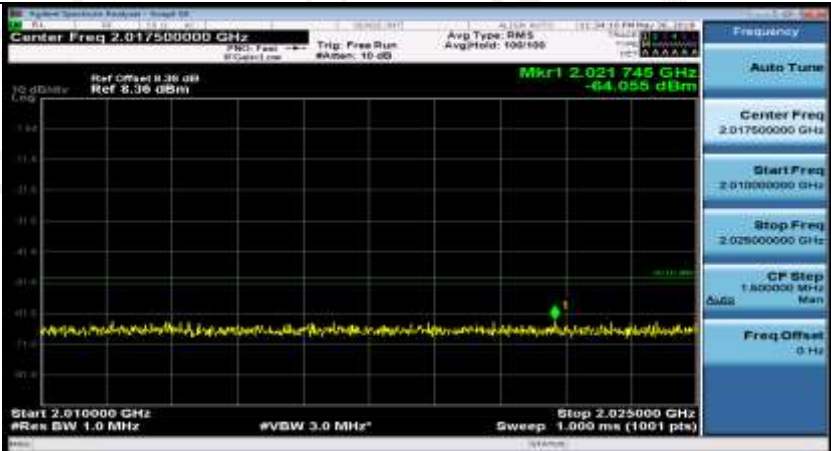

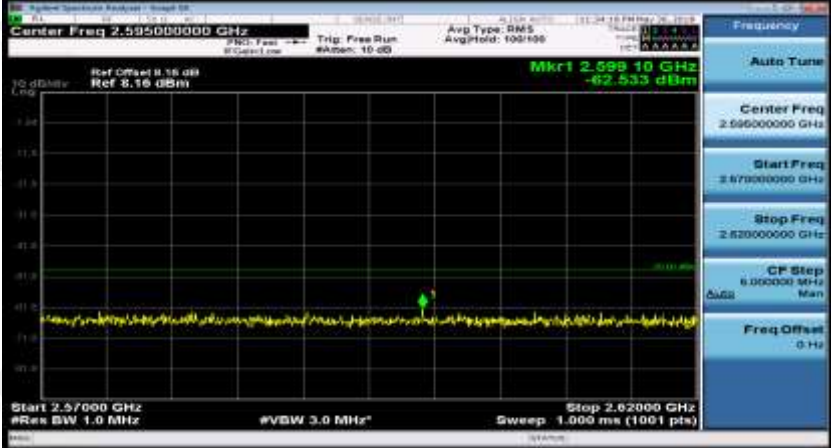
General			
General			
Co-existence			

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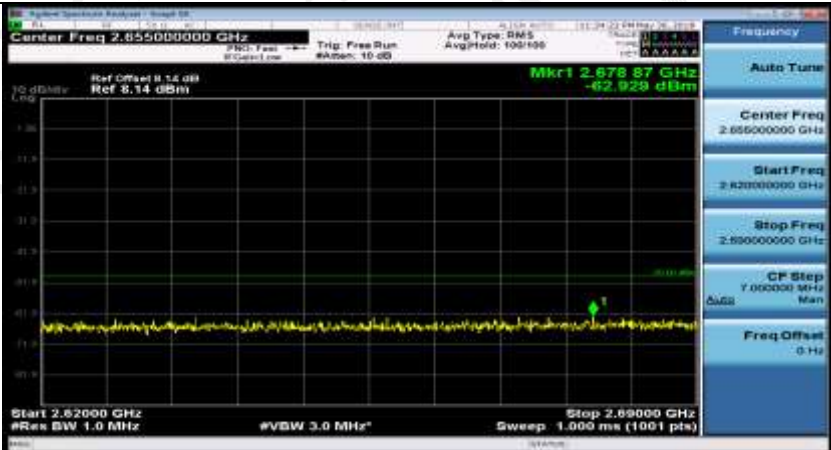
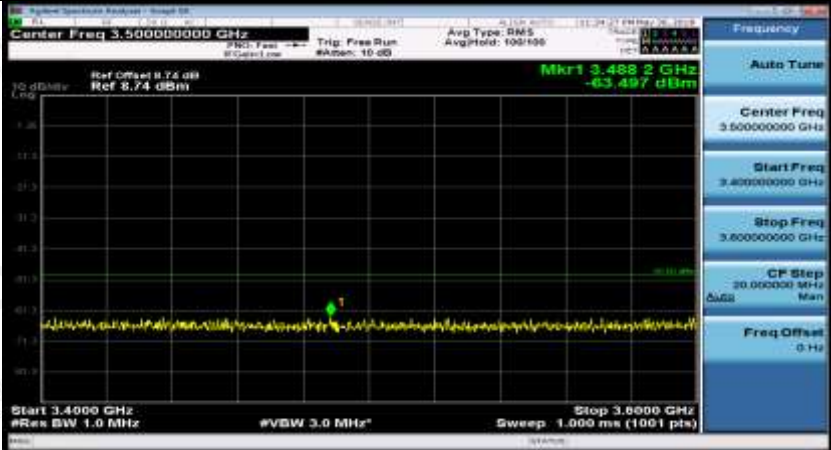
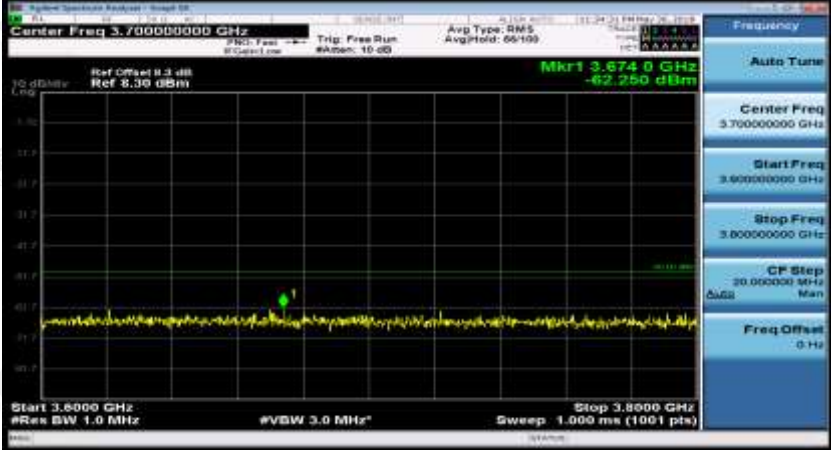
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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## 6. Receiver Spurious Emissions

### Test Result

NTNV

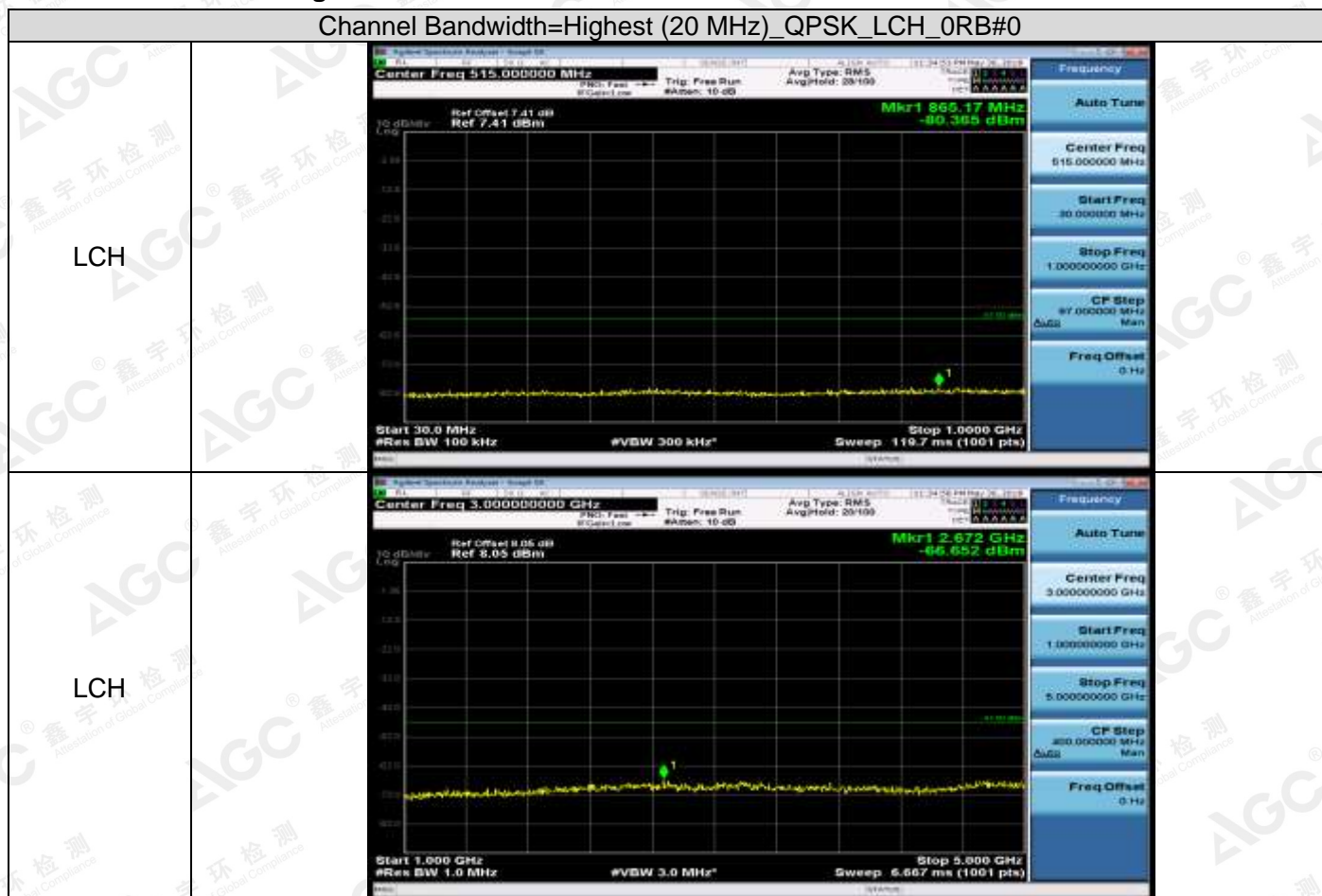
Channel Bandwidth=Highest

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



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



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



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## 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				

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## 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	

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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>				

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## 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				

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## 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	25	Pass	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	Pass					

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## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

LT/LV

	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		
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					

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

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

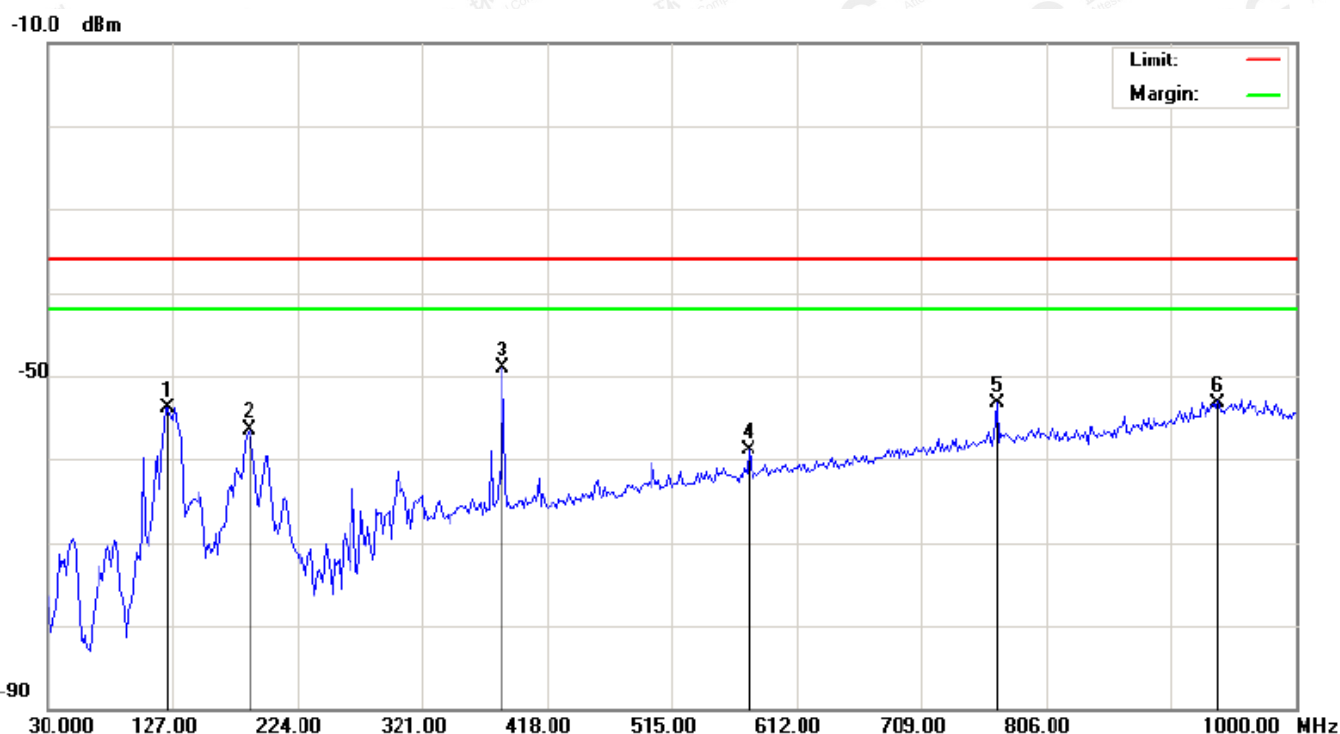
Frequency	Modulation	RBW	Max Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-71.26	-71.78	-71.95
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-67.23	-67.68	-67.92
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-68.38	-68.16	-68.72

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## APPENDIX F. RADIATED SPURIOUS EMISSIONS

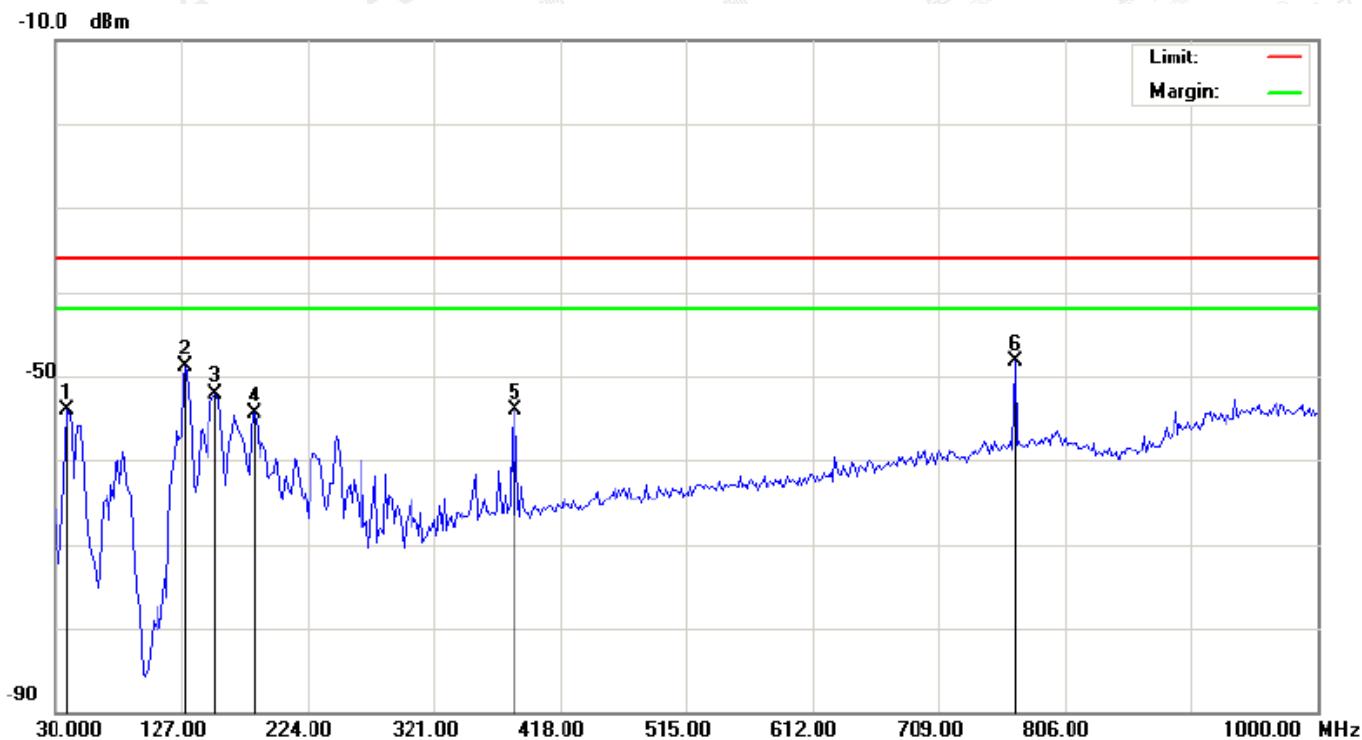
Radiated spurious emissions LTE band 1 Below 1GHZ– H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		123.7667	-91.49	37.63	-53.86	-36.00	-17.86	peak			
2		186.8167	-90.60	34.05	-56.55	-36.00	-20.55	peak			
3	*	384.0500	-89.98	40.87	-49.11	-36.00	-13.11	peak			
4		574.8167	-103.97	44.99	-58.98	-36.00	-22.98	peak			
5		767.2000	-101.99	48.64	-53.35	-36.00	-17.35	peak			
6		940.1833	-104.93	51.73	-53.20	-36.00	-17.20	peak			

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Radiated spurious emissions LTE band 1 Below 1GHZ- V

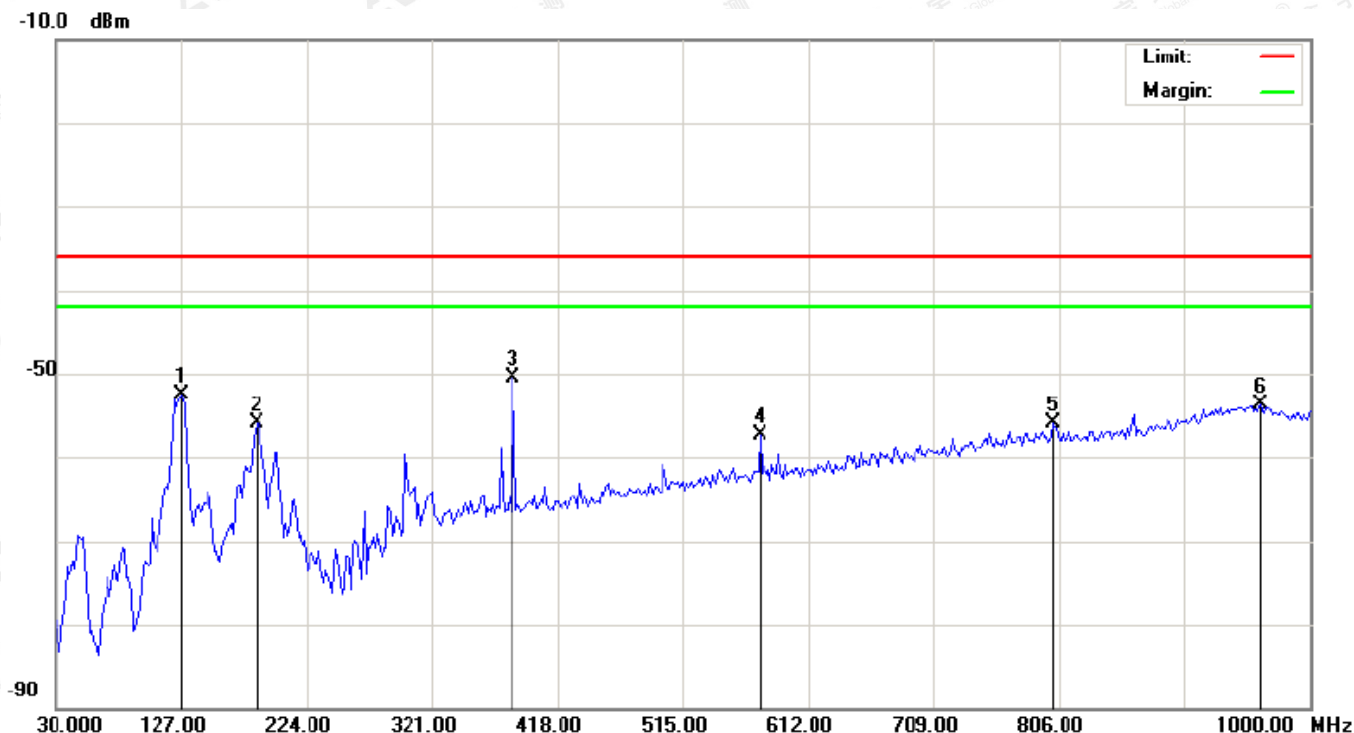


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		39.7000	-84.37	30.30	-54.07	-36.00	-18.07	peak			
2		130.2332	-81.96	33.13	-48.83	-36.00	-12.83	peak			
3		152.8667	-89.29	37.22	-52.07	-36.00	-16.07	peak			
4		183.5833	-89.58	35.16	-54.42	-36.00	-18.42	peak			
5		384.0500	-95.28	41.16	-54.12	-36.00	-18.12	peak			
6	*	767.2000	-96.89	48.55	-48.34	-36.00	-12.34	peak			

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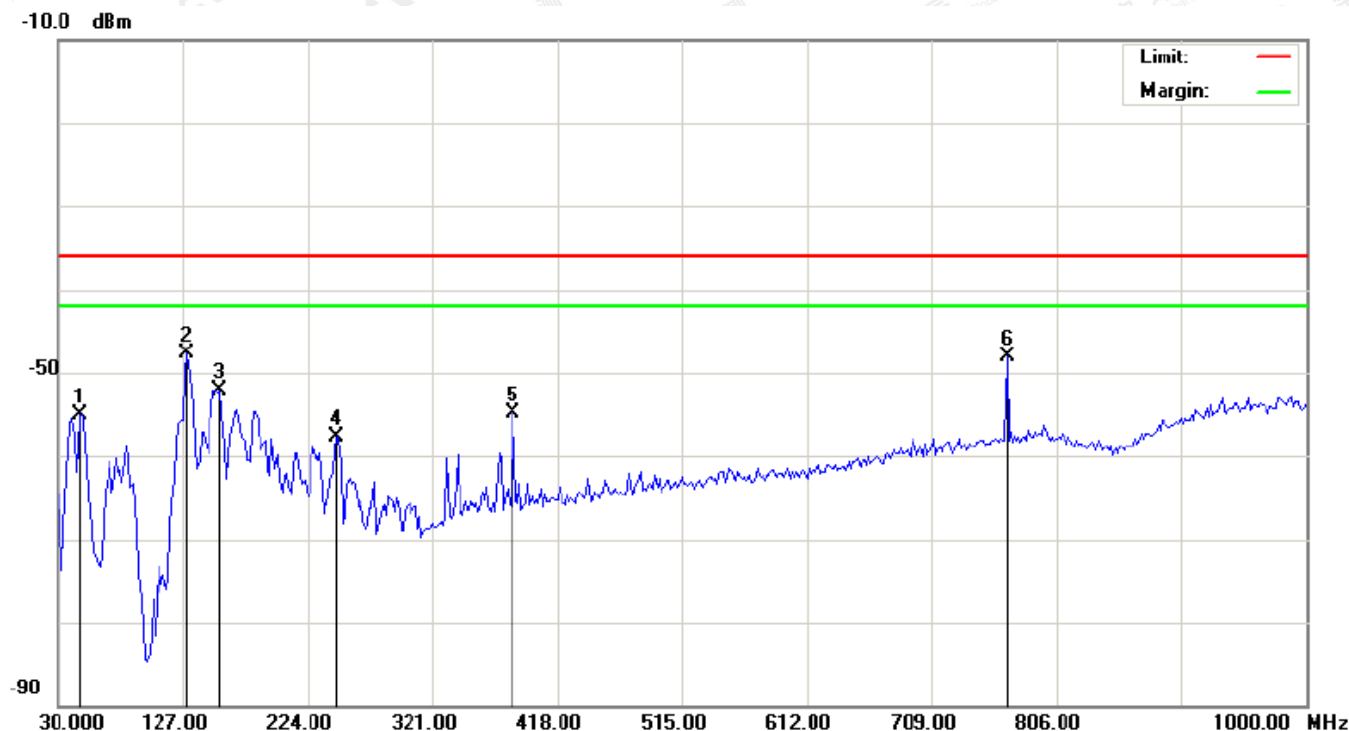
Radiated spurious emissions LTE band 3 Below 1GHz- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		127.0000	-90.18	37.61	-52.57	-36.00	-16.57	peak			
2		185.2000	-89.95	34.06	-55.89	-36.00	-19.89	peak			
3	*	384.0500	-91.28	40.87	-50.41	-36.00	-14.41	peak			
4		574.8167	-102.29	44.99	-57.30	-36.00	-21.30	peak			
5		801.1500	-105.29	49.32	-55.97	-36.00	-19.97	peak			
6		961.2000	-105.59	51.89	-53.70	-36.00	-17.70	peak			

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Radiated spurious emissions LTE band 3 Below 1GHZ- V

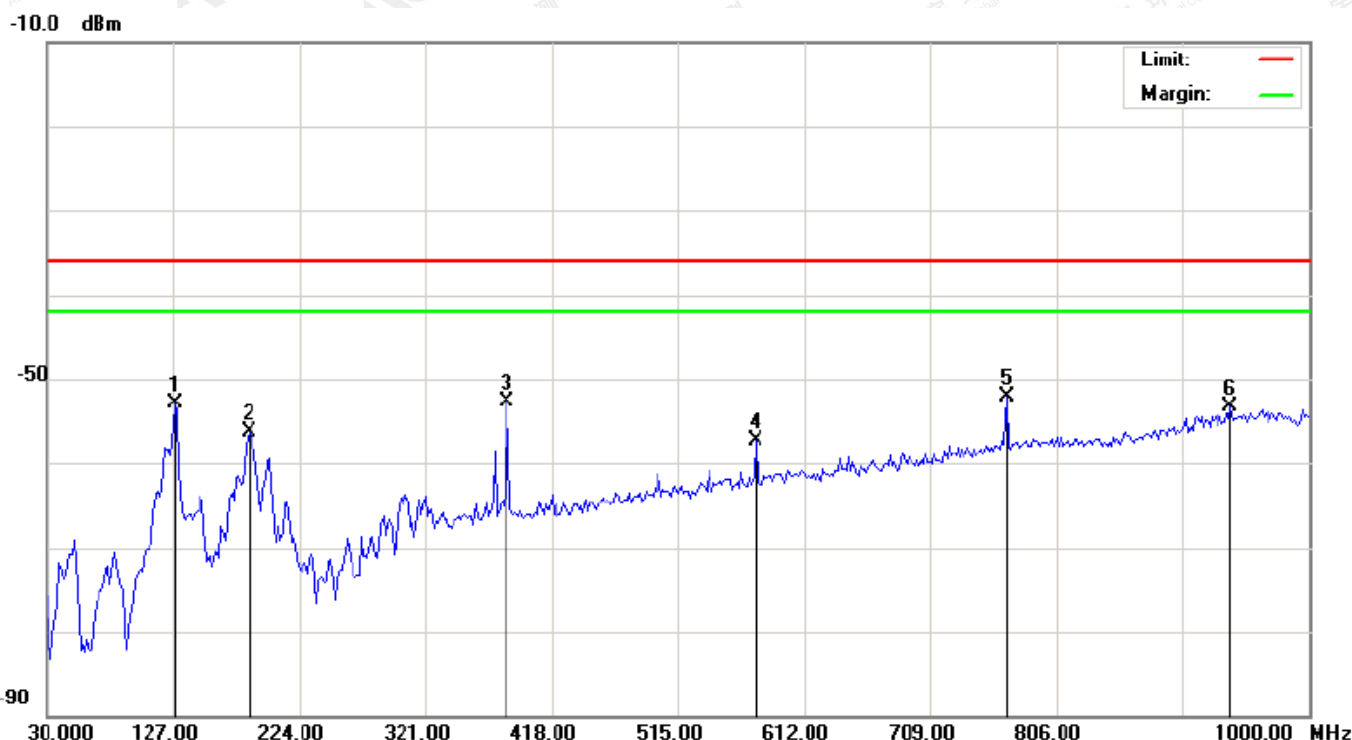


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		47.7833	-85.44	30.34	-55.10	-36.00	-19.10	peak			
2	*	130.2332	-80.78	33.13	-47.65	-36.00	-11.65	peak			
3		156.1000	-89.23	37.22	-52.01	-36.00	-16.01	peak			
4		246.6333	-93.28	35.57	-57.71	-36.00	-21.71	peak			
5		384.0500	-96.09	41.16	-54.93	-36.00	-18.93	peak			
6		767.2000	-96.57	48.55	-48.02	-36.00	-12.02	peak			

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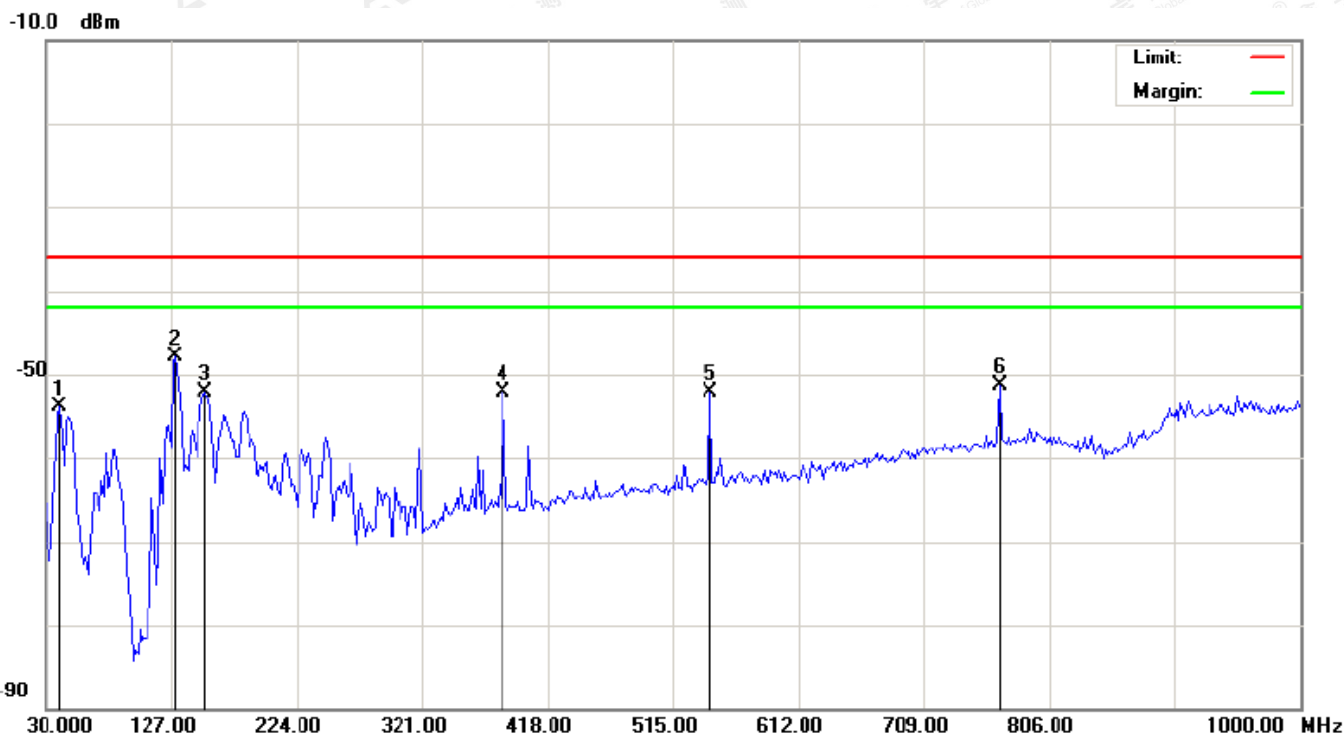
Radiated spurious emissions LTE band 7 Below 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		128.6167	-90.55	37.60	-52.95	-36.00	-16.95	peak			
2		185.2000	-90.42	34.06	-56.36	-36.00	-20.36	peak			
3		384.0500	-93.56	40.87	-52.69	-36.00	-16.69	peak			
4		574.8167	-102.22	44.99	-57.23	-36.00	-21.23	peak			
5	*	767.2000	-100.78	48.64	-52.14	-36.00	-16.14	peak			
6		940.1833	-105.08	51.73	-53.35	-36.00	-17.35	peak			

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Radiated spurious emissions LTE band 7 Below 1GHZ- V

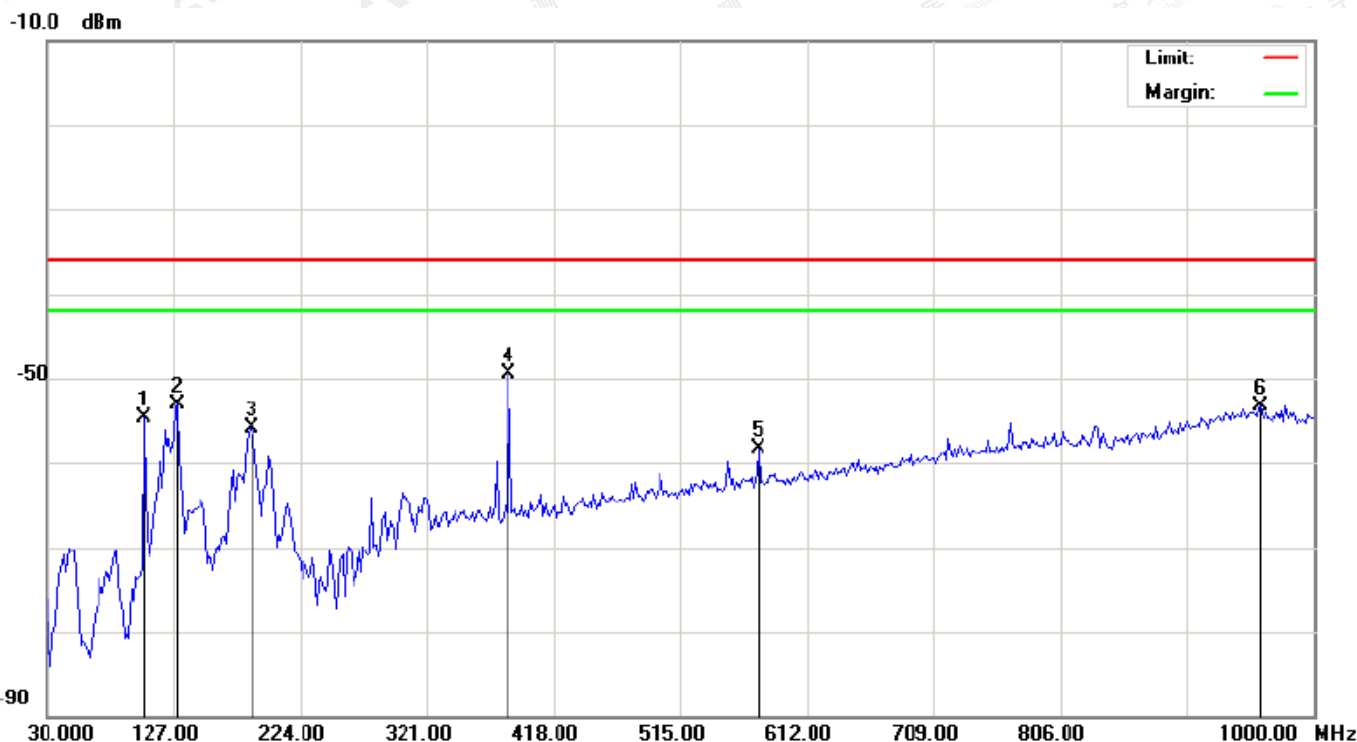


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		41.3167	-84.54	30.63	-53.91	-36.00	-17.91	peak			
2	*	130.2332	-81.08	33.13	-47.95	-36.00	-11.95	peak			
3		152.8667	-89.31	37.22	-52.09	-36.00	-16.09	peak			
4		384.0500	-93.17	41.16	-52.01	-36.00	-16.01	peak			
5		544.1000	-96.47	44.32	-52.15	-36.00	-16.15	peak			
6		767.2000	-99.91	48.55	-51.36	-36.00	-15.36	peak			

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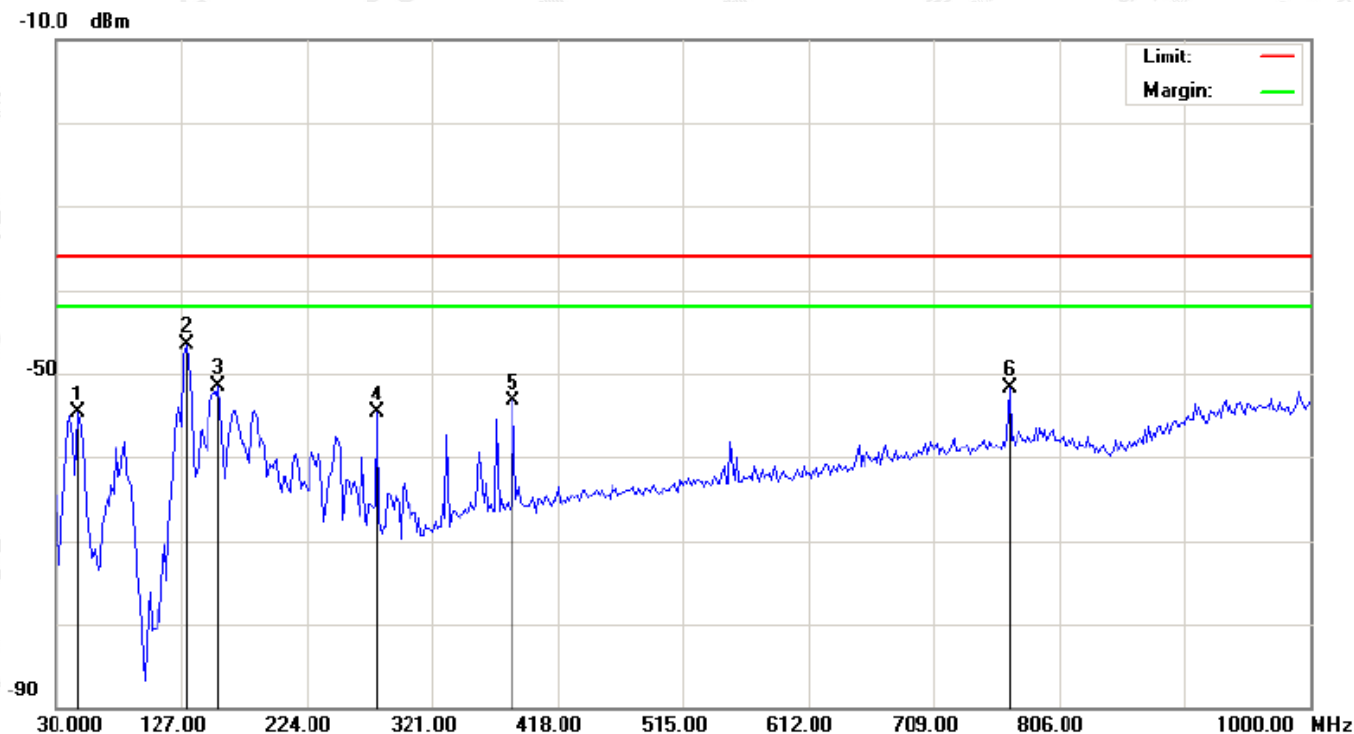
Radiated spurious emissions LTE band 8 Below 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		104.3667	-88.26	33.61	-54.65	-36.00	-18.65	peak			
2		130.2332	-90.77	37.59	-53.18	-36.00	-17.18	peak			
3		186.8167	-89.98	34.05	-55.93	-36.00	-19.93	peak			
4	*	384.0500	-90.42	40.87	-49.55	-36.00	-13.55	peak			
5		574.8167	-103.32	44.99	-58.33	-36.00	-22.33	peak			
6		959.5833	-105.14	51.91	-53.23	-36.00	-17.23	peak			

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Radiated spurious emissions LTE band 8 Below 1GHZ- V

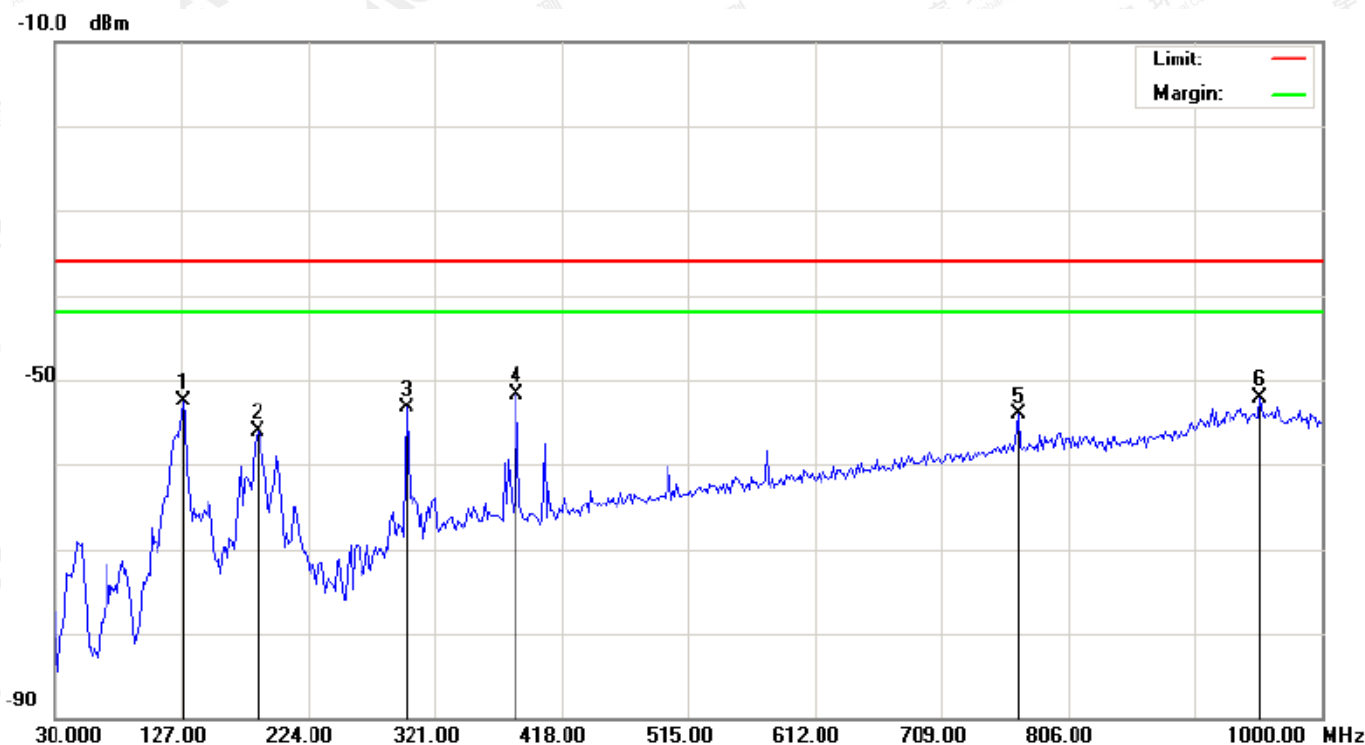


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		47.7833	-85.02	30.34	-54.68	-36.00	-18.68	peak			
2	*	131.8500	-80.39	33.80	-46.59	-36.00	-10.59	peak			
3		156.1000	-88.72	37.22	-51.50	-36.00	-15.50	peak			
4		278.9667	-91.53	36.77	-54.76	-36.00	-18.76	peak			
5		384.0500	-94.38	41.16	-53.22	-36.00	-17.22	peak			
6		767.2000	-100.25	48.55	-51.70	-36.00	-15.70	peak			

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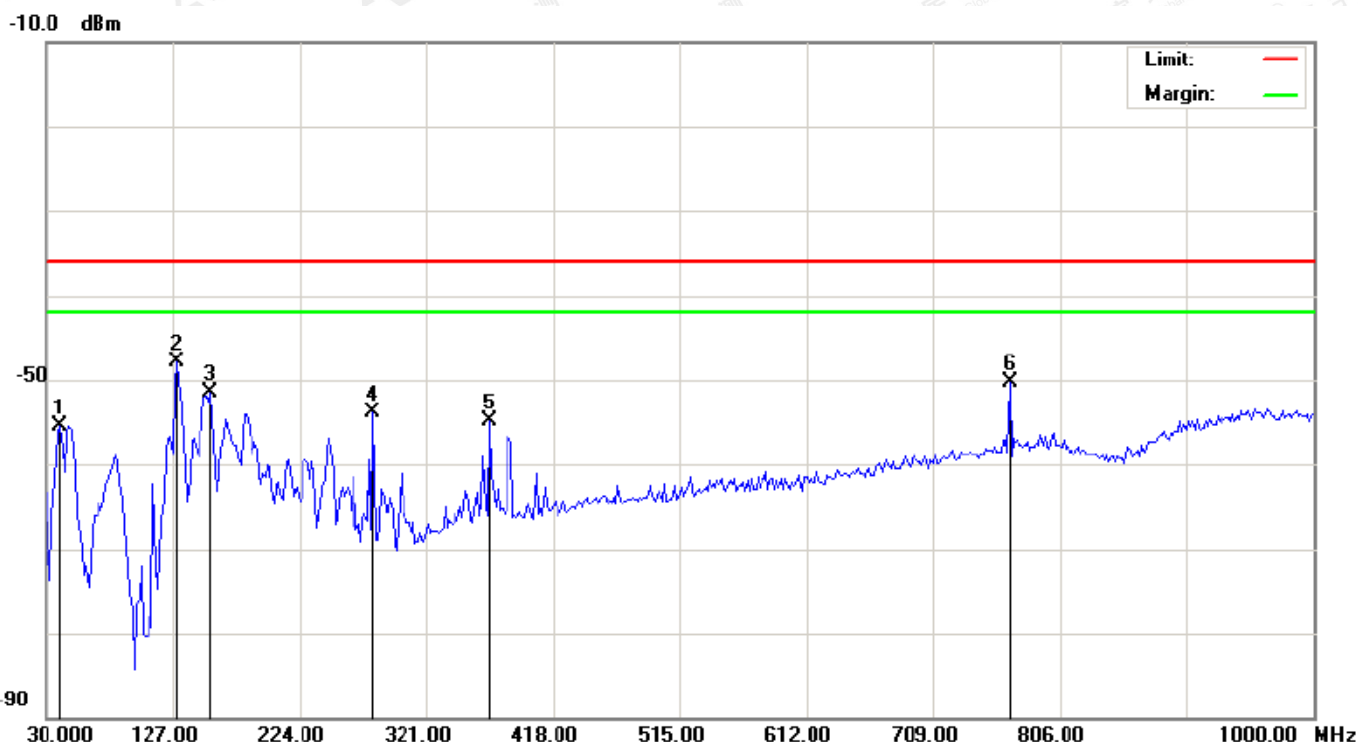
Radiated spurious emissions LTE band 20 Below 1GHz- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		128.6167	-90.18	37.60	-52.58	-36.00	-16.58	peak			
2		185.2000	-90.12	34.06	-56.06	-36.00	-20.06	peak			
3		299.9833	-90.71	37.41	-53.30	-36.00	-17.30	peak			
4	*	384.0500	-92.64	40.87	-51.77	-36.00	-15.77	peak			
5		767.2000	-102.72	48.64	-54.08	-36.00	-18.08	peak			
6		953.1167	-104.13	51.97	-52.16	-36.00	-16.16	peak			

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Radiated spurious emissions LTE band 20 Below 1GHZ- V

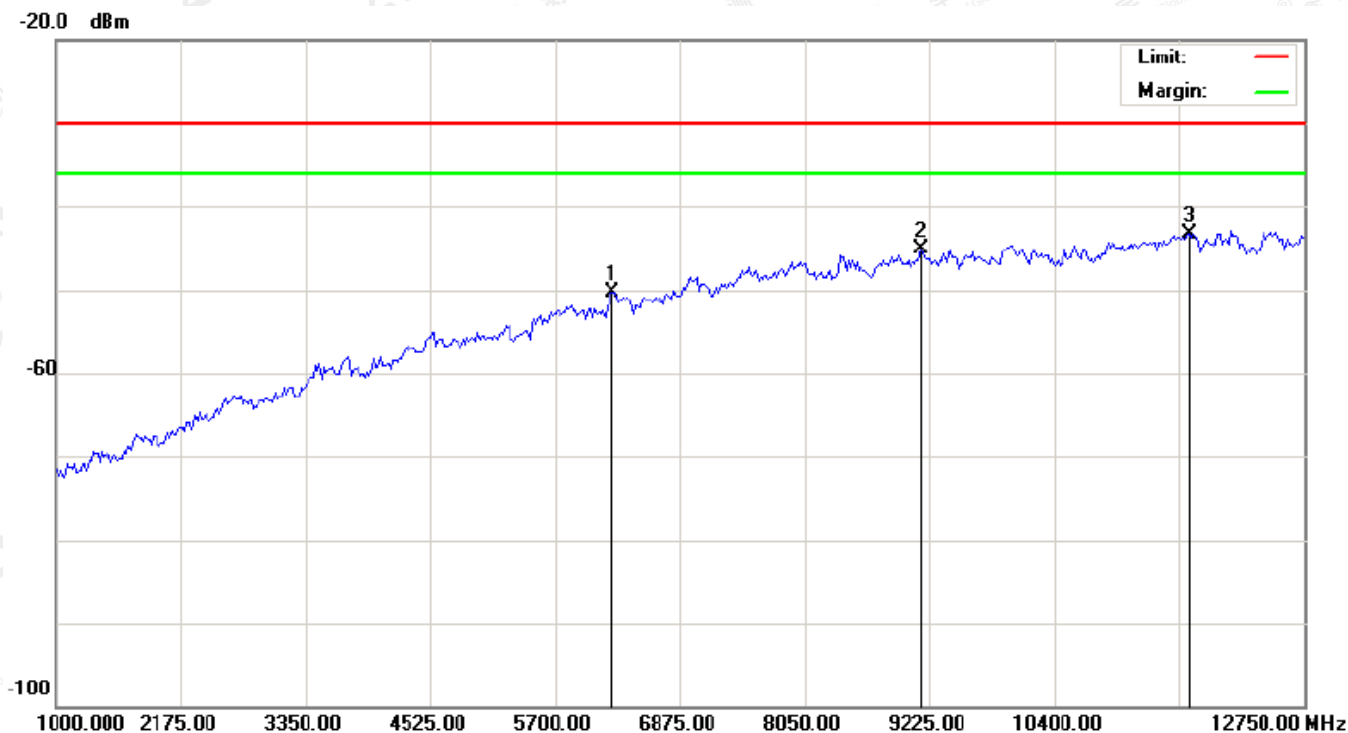


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		41.3167	-86.04	30.63	-55.41	-36.00	-19.41	peak			
2	*	130.2332	-81.04	33.13	-47.91	-36.00	-11.91	peak			
3		156.1000	-88.74	37.22	-51.52	-36.00	-15.52	peak			
4		280.5833	-90.72	36.82	-53.90	-36.00	-17.90	peak			
5		369.5000	-95.81	40.98	-54.83	-36.00	-18.83	peak			
6		767.2000	-98.76	48.55	-50.21	-36.00	-14.21	peak			

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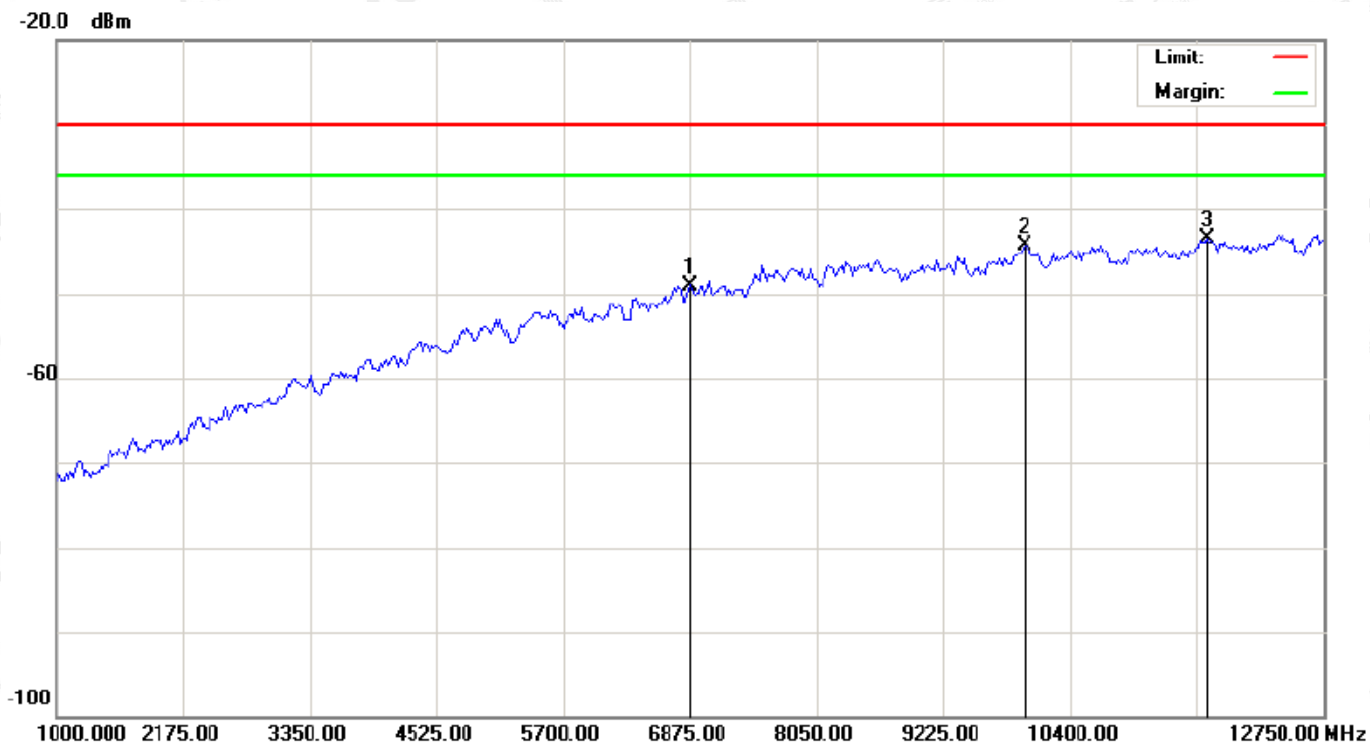
Radiated spurious emissions LTE band 1 Above 1GHZ-H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		6248.333	-65.34	15.13	-50.21	-30.00	-20.21	peak			
2		9146.667	-60.07	14.88	-45.19	-30.00	-15.19	peak			
3	*	11672.917	-60.56	17.28	-43.28	-30.00	-13.28	peak			

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Radiated spurious emissions LTE band 1 Above 1GHZ- V

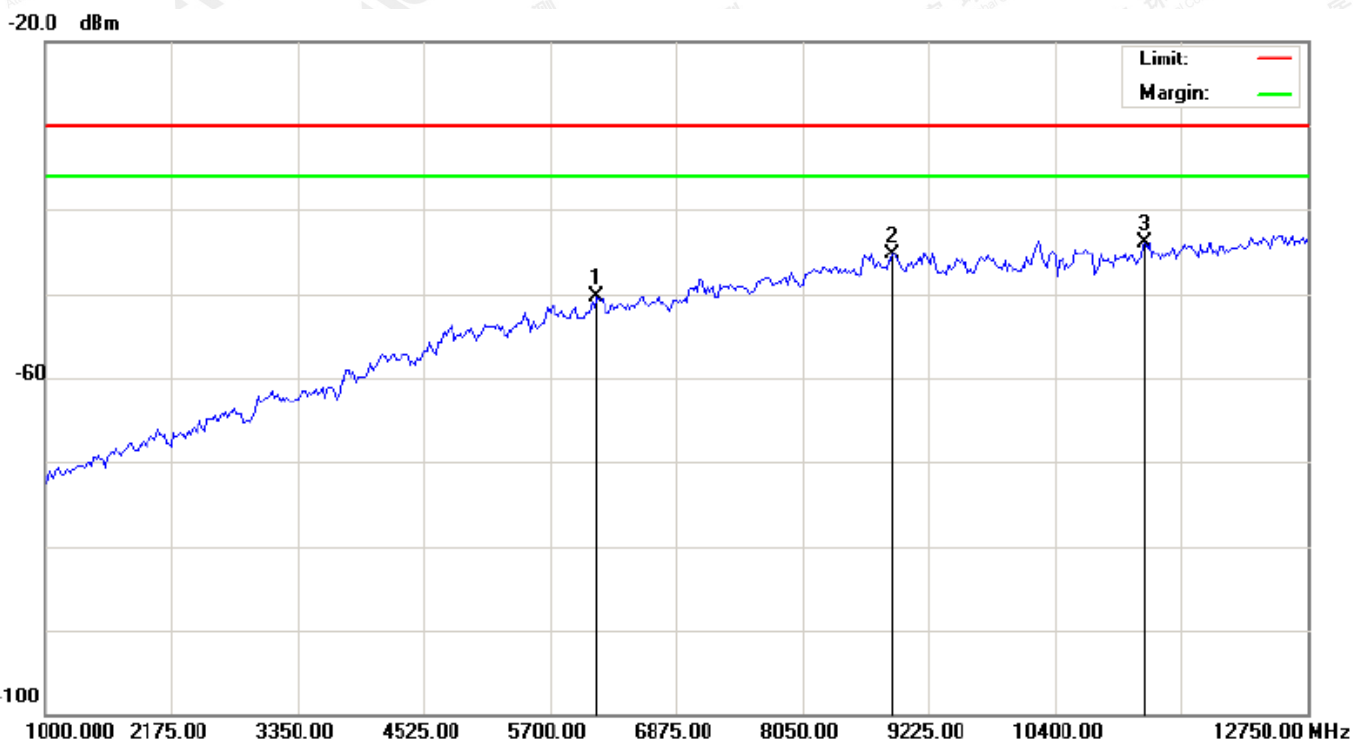


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		6875.000	-64.24	15.24	-49.00	-30.00	-19.00	peak			
2		9988.750	-60.14	15.86	-44.28	-30.00	-14.28	peak			
3	*	11672.917	-60.76	17.28	-43.48	-30.00	-13.48	peak			

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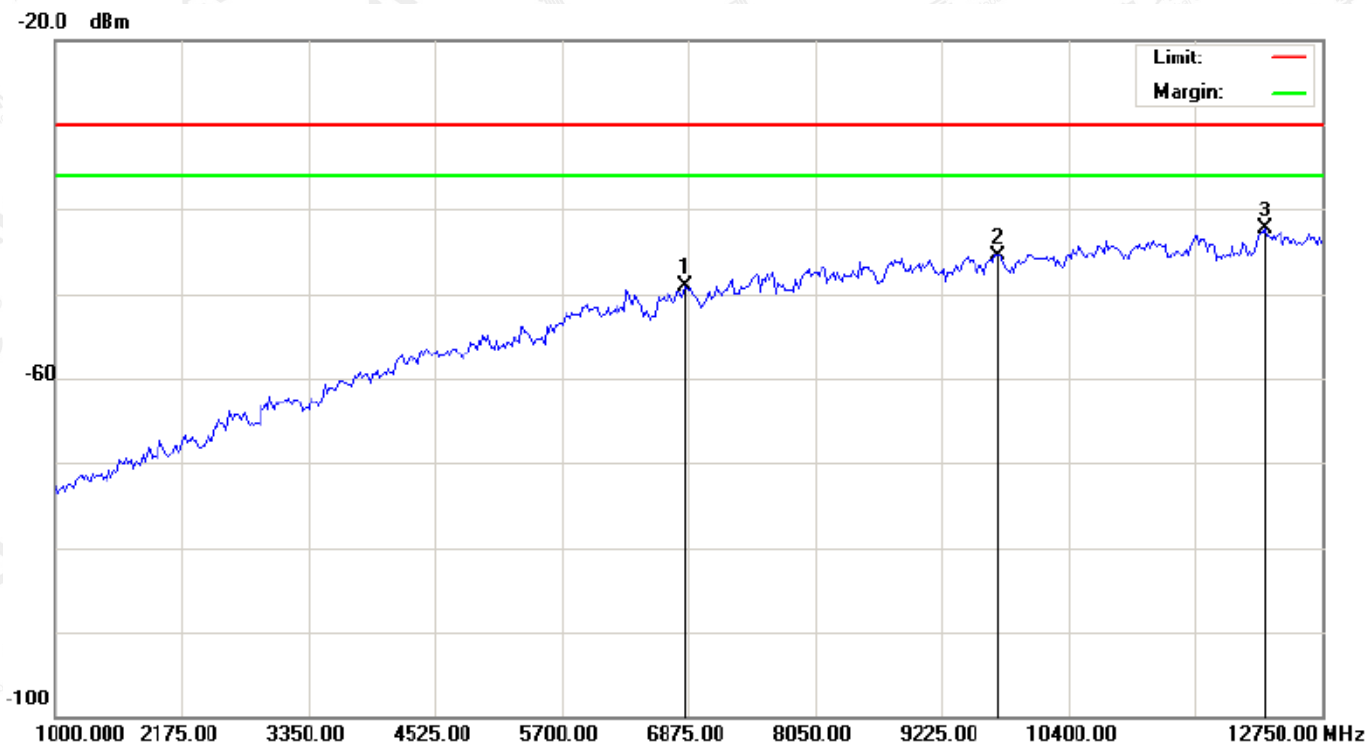
Radiated spurious emissions LTE band 3 Above 1GHZ– H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		6130.833	-65.83	15.50	-50.33	-30.00	-20.33	peak			
2		8892.083	-59.77	14.52	-45.25	-30.00	-15.25	peak			
3	*	11242.083	-60.11	16.31	-43.80	-30.00	-13.80	peak			

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Radiated spurious emissions LTE band 3 Above 1GHZ- V

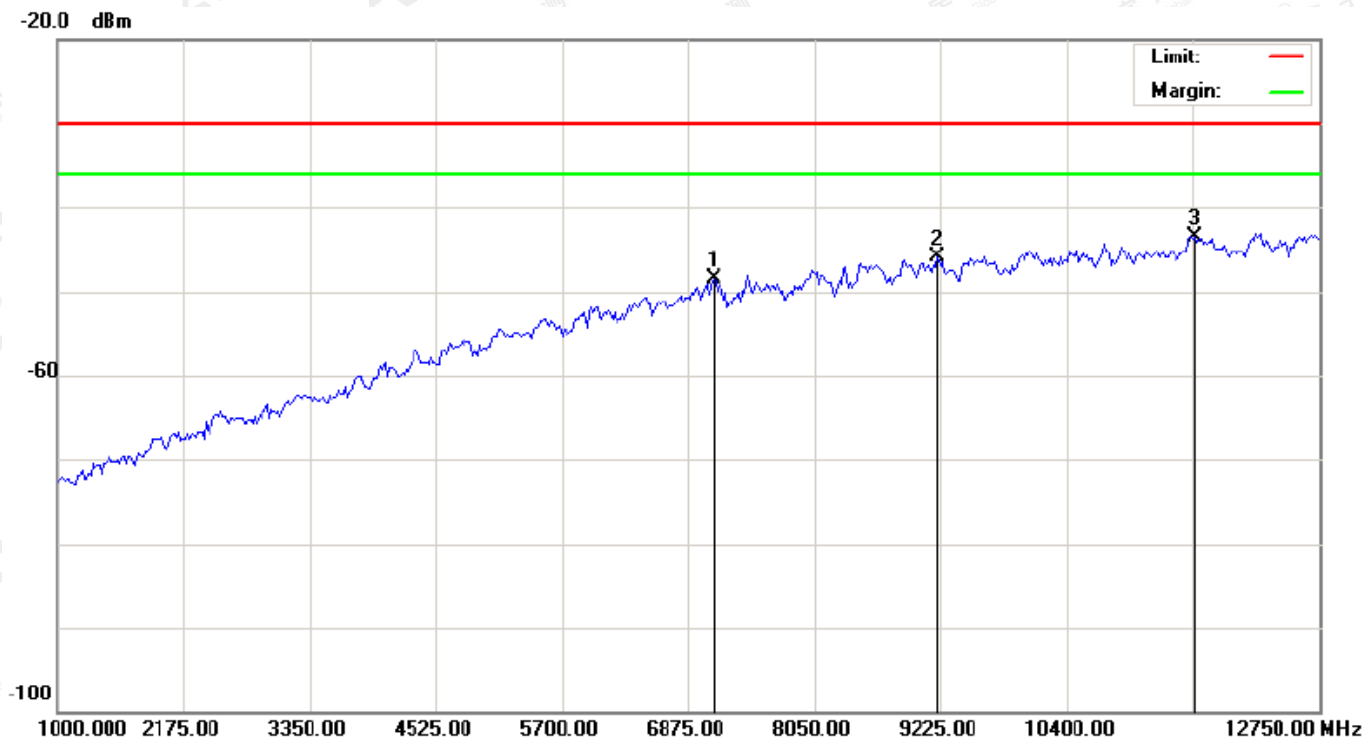


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		6855.417	-64.26	15.19	-49.07	-30.00	-19.07	peak			
2		9753.750	-61.48	16.00	-45.48	-30.00	-15.48	peak			
3	*	12221.250	-60.60	18.37	-42.23	-30.00	-12.23	peak			

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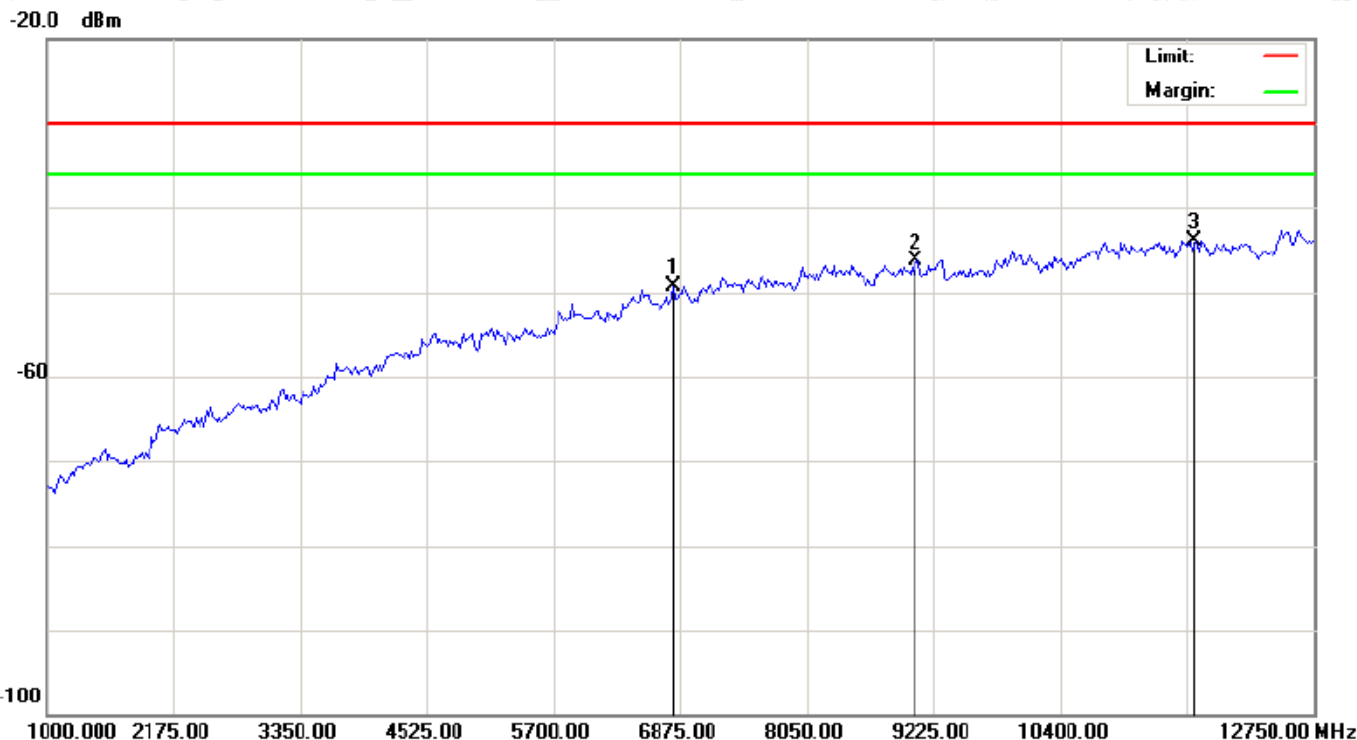
Radiated spurious emissions LTE band 7 Above 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7110.000	-64.06	15.51	-48.55	-30.00	-18.55	peak			
2		9205.417	-60.93	15.09	-45.84	-30.00	-15.84	peak			
3	*	11594.583	-60.54	17.12	-43.42	-30.00	-13.42	peak			

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Radiated spurious emissions LTE band 7 Above 1GHZ- V

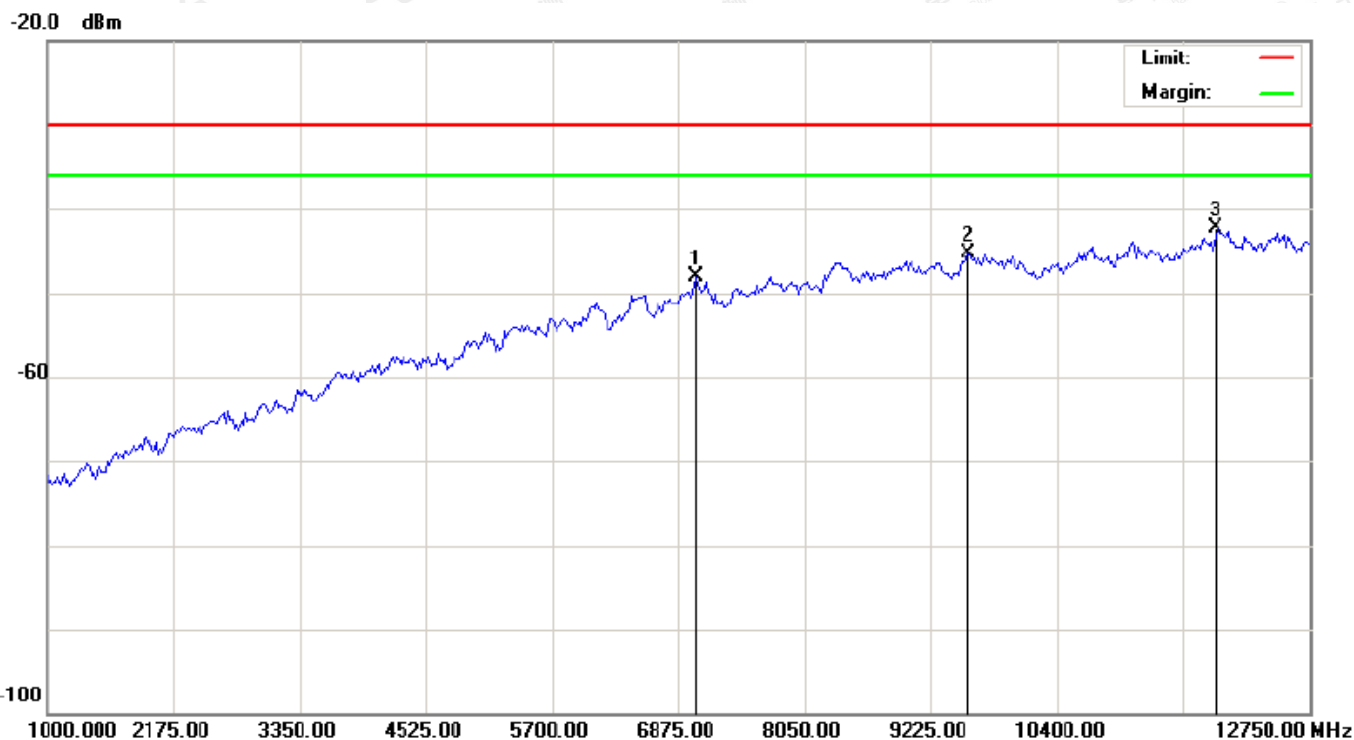


No.	Mk	Freq. MHz	Reading dBm	Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		6816.250	-64.39	15.10	-49.29	-30.00	-19.29	peak			
2		9068.333	-60.96	14.60	-46.36	-30.00	-16.36	peak			
3	*	11653.333	-61.07	17.24	-43.83	-30.00	-13.83	peak			

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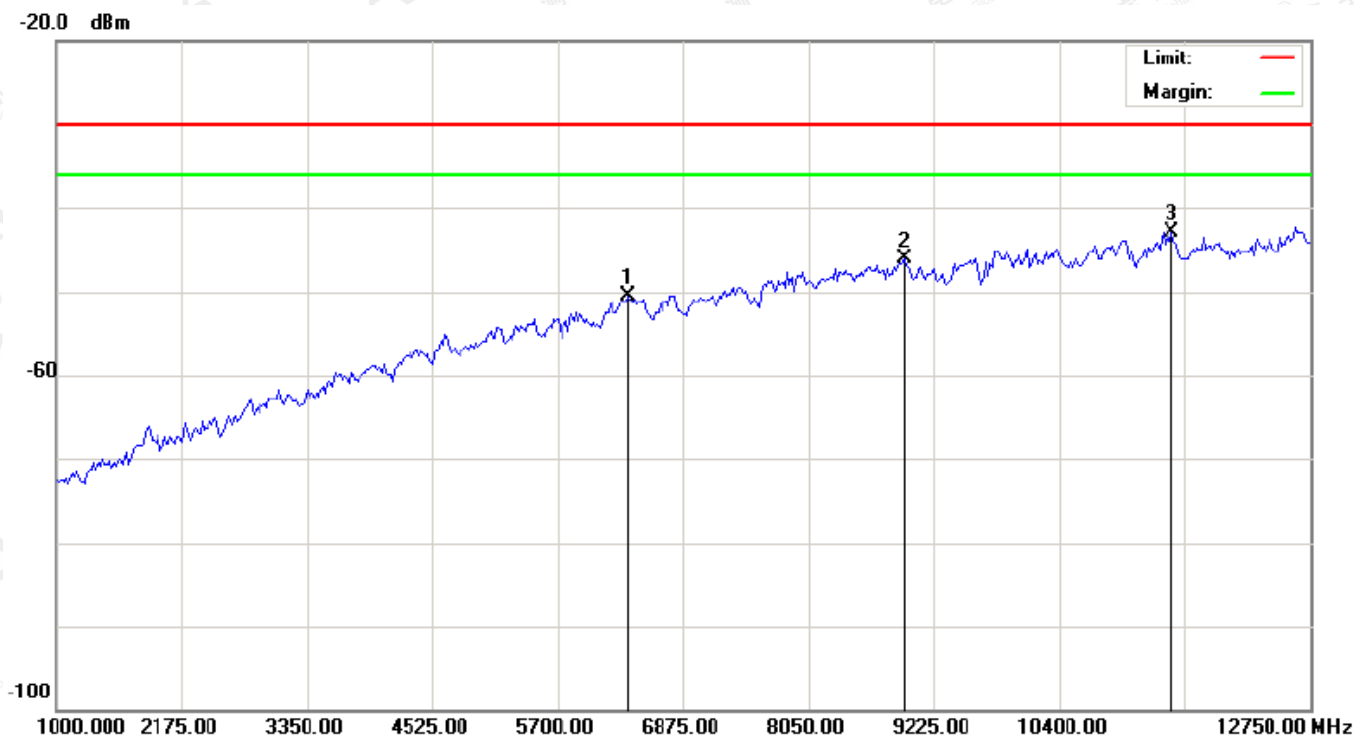
Radiated spurious emissions LTE band 8 Above 1GHZ– H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7031.667	-63.56	15.53	-48.03	-30.00	-18.03	peak			
2		9577.500	-61.47	16.11	-45.36	-30.00	-15.36	peak			
3	*	11888.333	-59.94	17.73	-42.21	-30.00	-12.21	peak			

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Radiated spurious emissions LTE band 8 Above 1GHZ- V

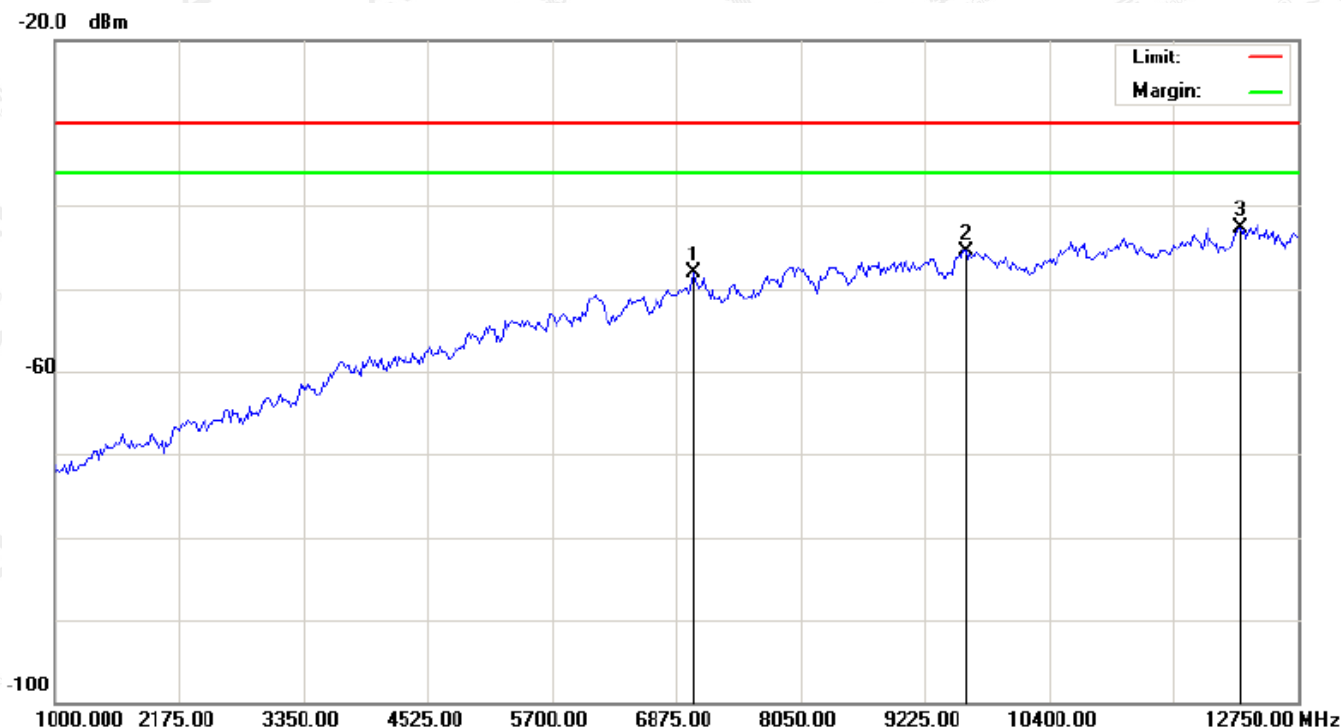


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		6365.833	-65.25	14.76	-50.49	-30.00	-20.49	peak			
2		8950.833	-60.62	14.43	-46.19	-30.00	-16.19	peak			
3	*	11457.500	-59.73	16.82	-42.91	-30.00	-12.91	peak			

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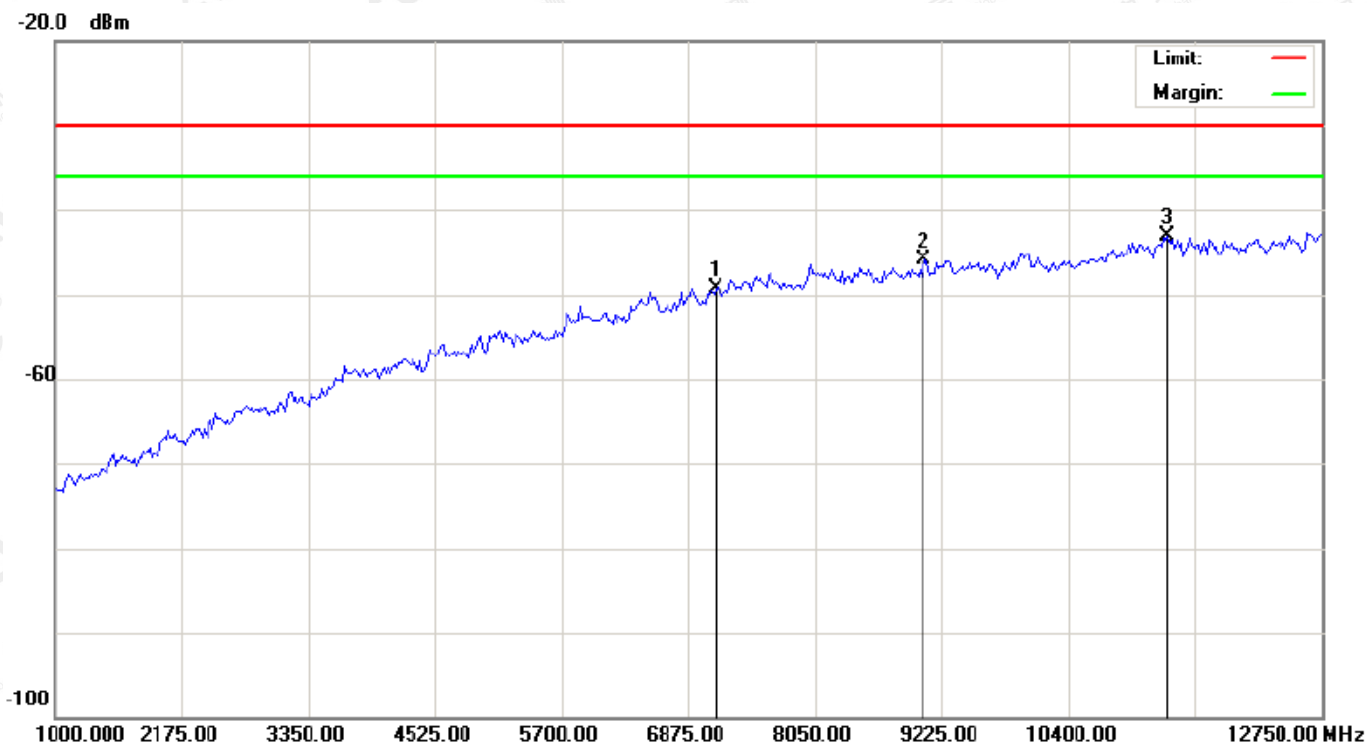
Radiated spurious emissions LTE band 20 Above 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7031.667	-63.56	15.53	-48.03	-30.00	-18.03	peak			
2		9616.667	-61.59	16.09	-45.50	-30.00	-15.50	peak			
3	*	12201.667	-60.93	18.33	-42.60	-30.00	-12.60	peak			

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Radiated spurious emissions LTE band 20 Above 1GHz- V



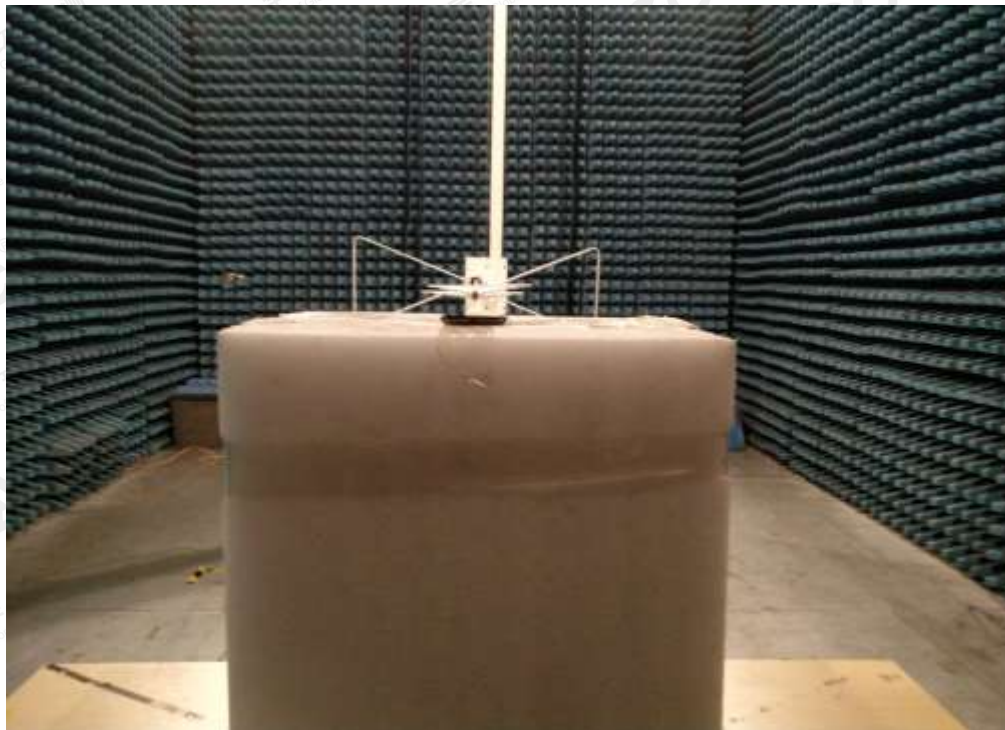
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7129.583	-64.76	15.50	-49.26	-30.00	-19.26	peak			
2		9068.333	-60.46	14.60	-45.86	-30.00	-15.86	peak			
3	*	11320.417	-59.61	16.49	-43.12	-30.00	-13.12	peak			

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## APPENDIX G: PHOTOGRAPHS OF TEST SETUP

### RADIATED SPURIOUS EMISSION TEST



RADIATED SPURIOUS EMISSION-ABOVE 1G TEST



----END OF REPORT----

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