

RF Test Report

Report No.: AGC00552180803EE10

PRODUCT DESIGNATION : Smart Phone
BRAND NAME : CUBOT
MODEL NAME : KINGKONG 3
MANUFACTURER : Shenzhen Huafurui Technology Co., Ltd.
DATE OF ISSUE : Sep. 14, 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	/	Sep. 14, 2018	Valid	Initial release

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1. TEST REPORT CERTIFICATION

Manufacturer	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen, P.R. China
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen, P.R. China
Product Designation	Smart Phone
Brand Name	CUBOT
Test Model	KINGKONG 3
Date of test	Aug. 29, 2018 to Sep. 13, 2018
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-EC-LTE2/RF

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

Tested By

Dojon Huang(Huang Dongyang)

Sep. 13, 2018

Reviewed By

Bart Xie(Xie Xiaobin)

Sep. 14, 2018

Approved By

 Forrest Lei(Lei Yonggang)
 Authorized Officer

Sep. 14, 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:

Product Name	Smart Phone
Brand Name	CUBOT
Test Model	KINGKONG 3
Product Type	LTE
Hardware Version	A756_MAIN_PCB_V1.2
Software Version	A756_63_O1_LWTG_V0.3.2_S180807
LTE Support Band	<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 checked="" type="checkbox"/> FDD Band 2 <input checked="" type="checkbox"/> FDD Band 4 <input checked="" type="checkbox"/> FDD Band 5 <input checked="" type="checkbox"/> FDD Band 12 <input checked="" type="checkbox"/> FDD Band 17 <input type="checkbox"/> FDD Band 26 <input type="checkbox"/> TDD Band 41 (Non-EU Bands)
TX Frequency Range	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
RX Frequency Range	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
Modulation Mode	QPSK/16QAM
Antenna Type	PIFA Antenna
LTE Antenna Gain	Band 1 :1.0dBi; Band 3 :0.79dBi; Band 7 :0.86dBi; Band 8 :0.64dBi; Band 20 :0.51dBi;
Diversity Antenna Gain	Band 1 :0.90dBi; Band 3 :0.72dBi; Band 7 :0.80dBi; Band 8 :0.58dBi; Band 20 :0.44dBi;
Power Class	FDD Band 1:3, FDD Band 3:3, FDD Band 7:3, FDD Band 8:3, FDD Band 20:3
GSM Release Version	N/A
SIM Card Description	There are dual-SIM cards, just one for GSM/WCDMA/LTE and the other only for GSM.
Diversity Antenna Description	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 A for photographs of the EUT.

2.1.3. IDENTIFICATION OF SAMPLES EUT

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

SAMPLE A01

Sample Reference Number	A01
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Test Model	KINGKONG 3
Product Type	FDD Band 1, FDD Band 31, FDD Band 7, FDD Band 8, FDD Band 20
Frequency Bands	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

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	2F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China

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, 2018	July 12, 2019
3	Wireless communication test set 8960	Agilent	GB46200384	July 13, 2018	July 12, 2019
4	Power Splitter 7100LC	KALMUS	04-02/17-06-001	June 12,2018	June 11, 2019
5	Attenuator	JFW	50FHC-006-50	June 12,2018	June 11, 2019
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. 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.19,2018	Aug.18, 2019
15	Vibration Source SCU-200	SUSHI	3000-40-07	Mar. 01, 2018	Feb. 28, 2019
16	Attenuator	JFW	50FHC-006-50	June 12,2018	June 11, 2019
17	EMI Test Receiver	ESCI	100694	June 12,2018	June 11, 2019
18	Double-Ridged Waveguide Horn Antenna 3117	ETS LINDGREN	00034609	Mar. 01, 2018	Feb. 28, 2020

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No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
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 13, 2018	July 12, 2019
22	Artificial Mains Network ENV216	R&S	101242	July 13, 2018	July 12, 2019
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.

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	KINGKONG 3
Details of Power Supply(Rated Input)	AC100-240V, 50/60Hz,0.6A
Details of Power Supply(Rated Output)	DC9.0V,2000mA
Extreme Temperature	Low Temperature (TL) = -20°C Normal Temperature(TN) = 25 °C High Temperature (TH) = +55°C
Extreme Voltage of the EUT	Low Voltage = DC 3.40V Normal Voltage= DC 3.85V High Voltage = DC 4.40V
Note: The Limit Voltage 4.40V 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

Test 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, 1.4 MHz and 20 MHz 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. The test result is SIM Card 1 (only SIM Card 1 support LTE) 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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	22.93	Pass
					max	22.88	Pass
				Partial	0	22.87	Pass
					max	22.91	Pass
			Mid range	1	0	22.81	Pass
					max	22.77	Pass
				Partial	0	22.90	Pass
					max	22.85	Pass
			High range	1	0	22.74	Pass
					max	22.71	Pass
				Partial	0	22.83	Pass
					max	22.83	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	22.85	Pass
					max	22.80	Pass
				Partial	0	22.80	Pass
					max	22.70	Pass
			Mid range	1	0	22.83	Pass
					max	22.75	Pass
				Partial	0	22.73	Pass
					max	22.68	Pass
			High range	1	0	22.63	Pass
					max	22.57	Pass
				Partial	0	22.77	Pass
					max	22.67	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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-48.84	Pass
			Mid range	Full	0	-47.56	Pass
			High range	Full	0	-47.60	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-48.08	Pass
			Mid range	Full	0	-47.57	Pass
			High range	Full	0	-48.12	Pass

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3. Transmitter Spectrum Emission Mask

Test Result

NTNV

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

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			Mid range		max	PUMAX	Pass
				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)

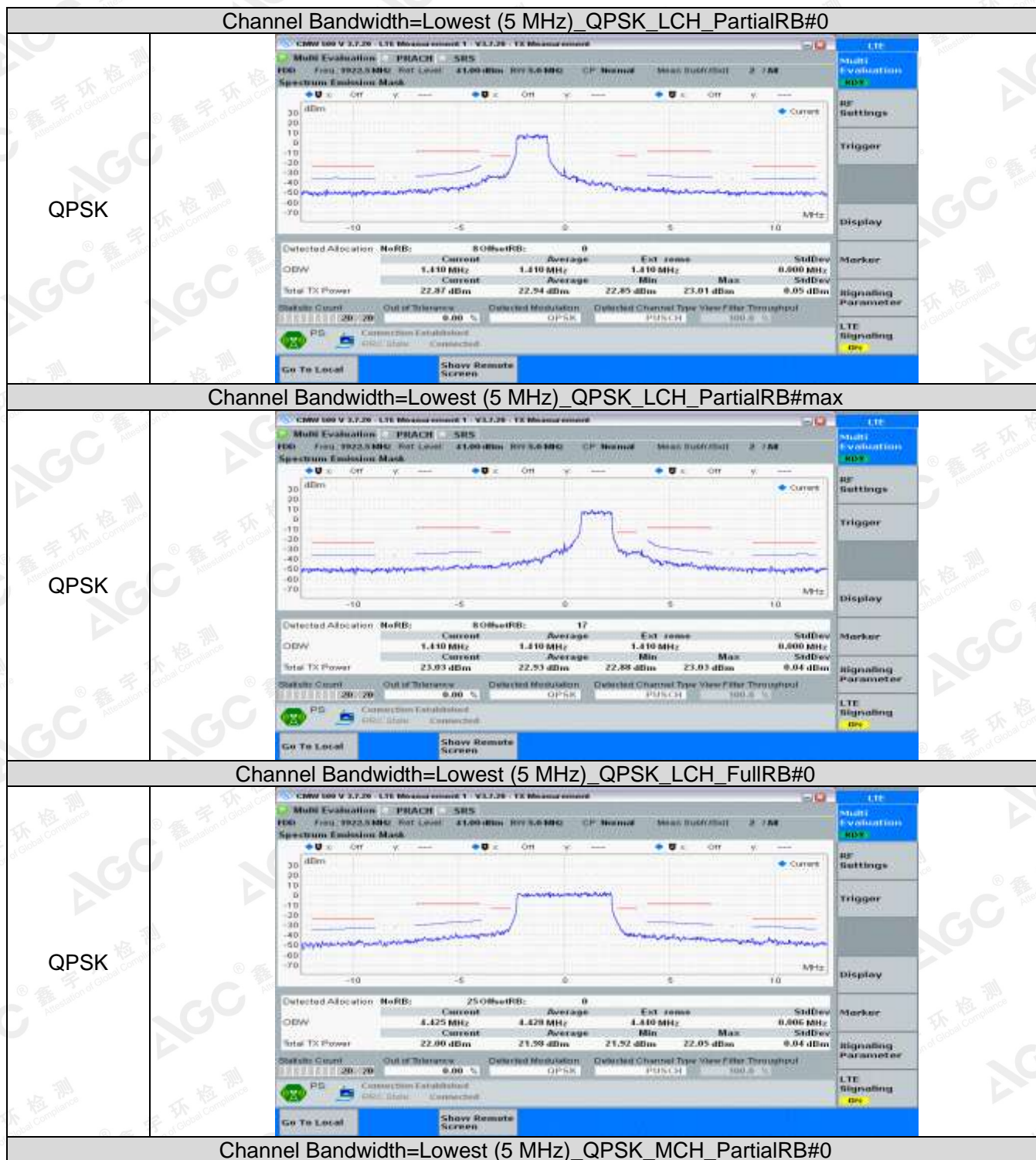
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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



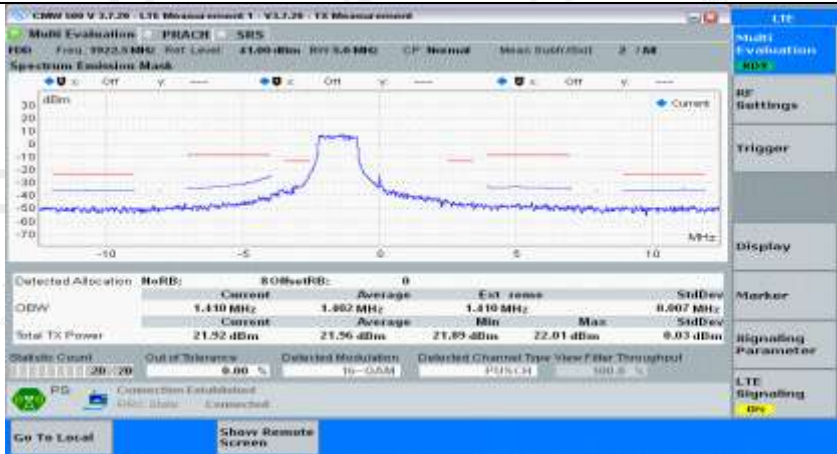
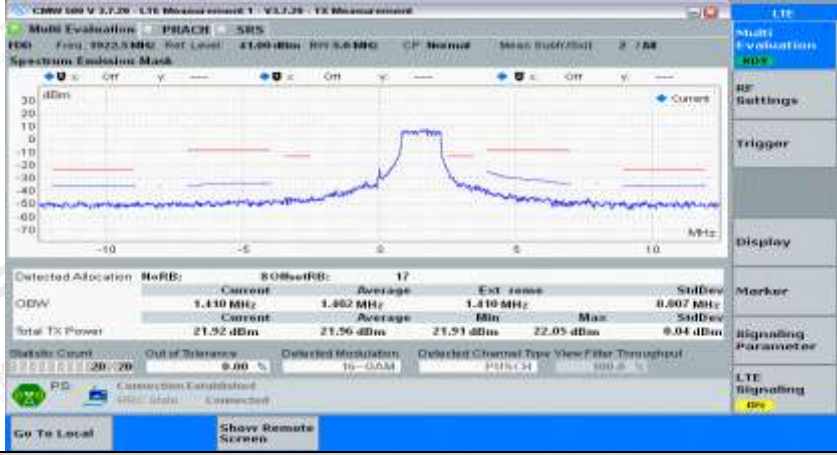
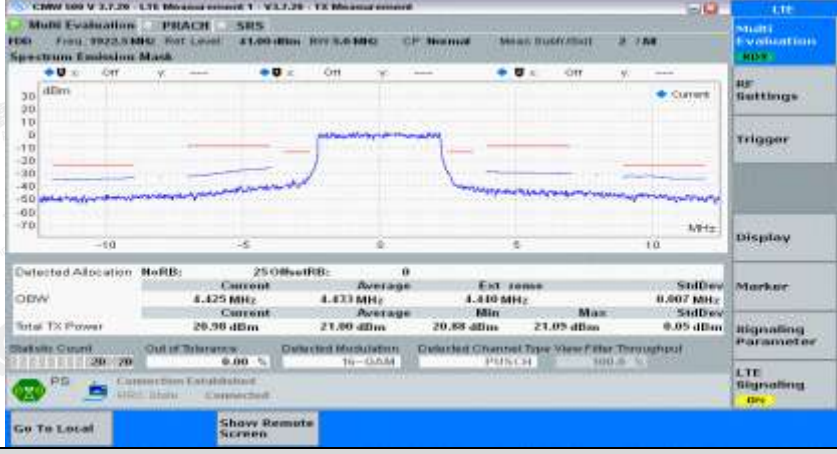
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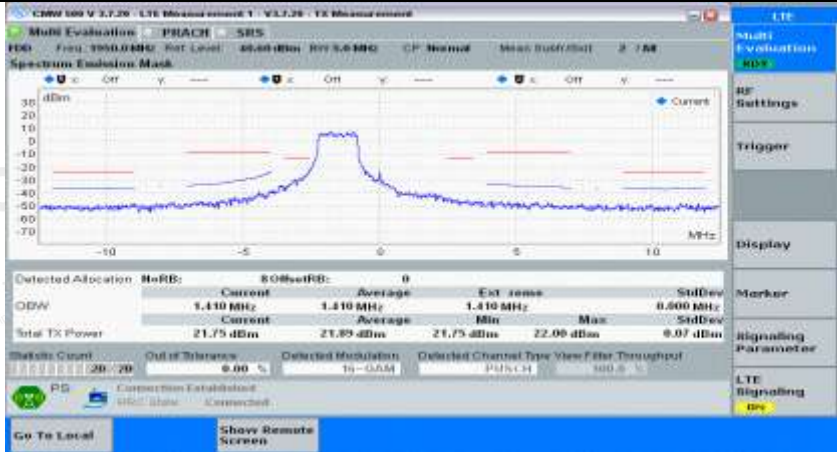
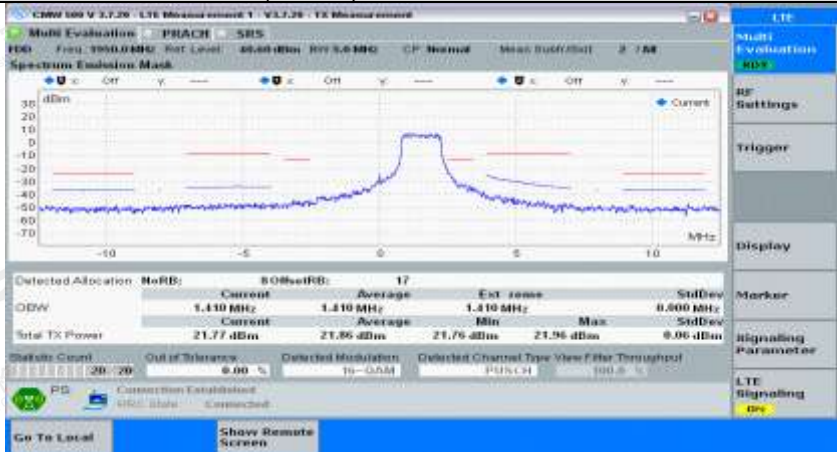
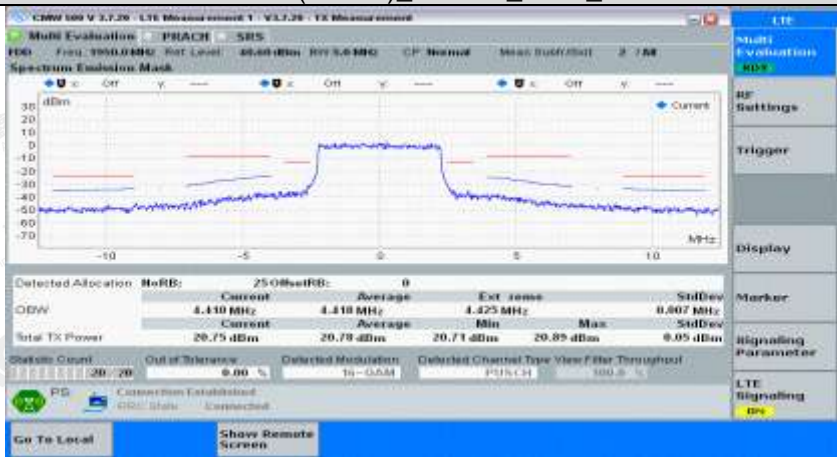
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

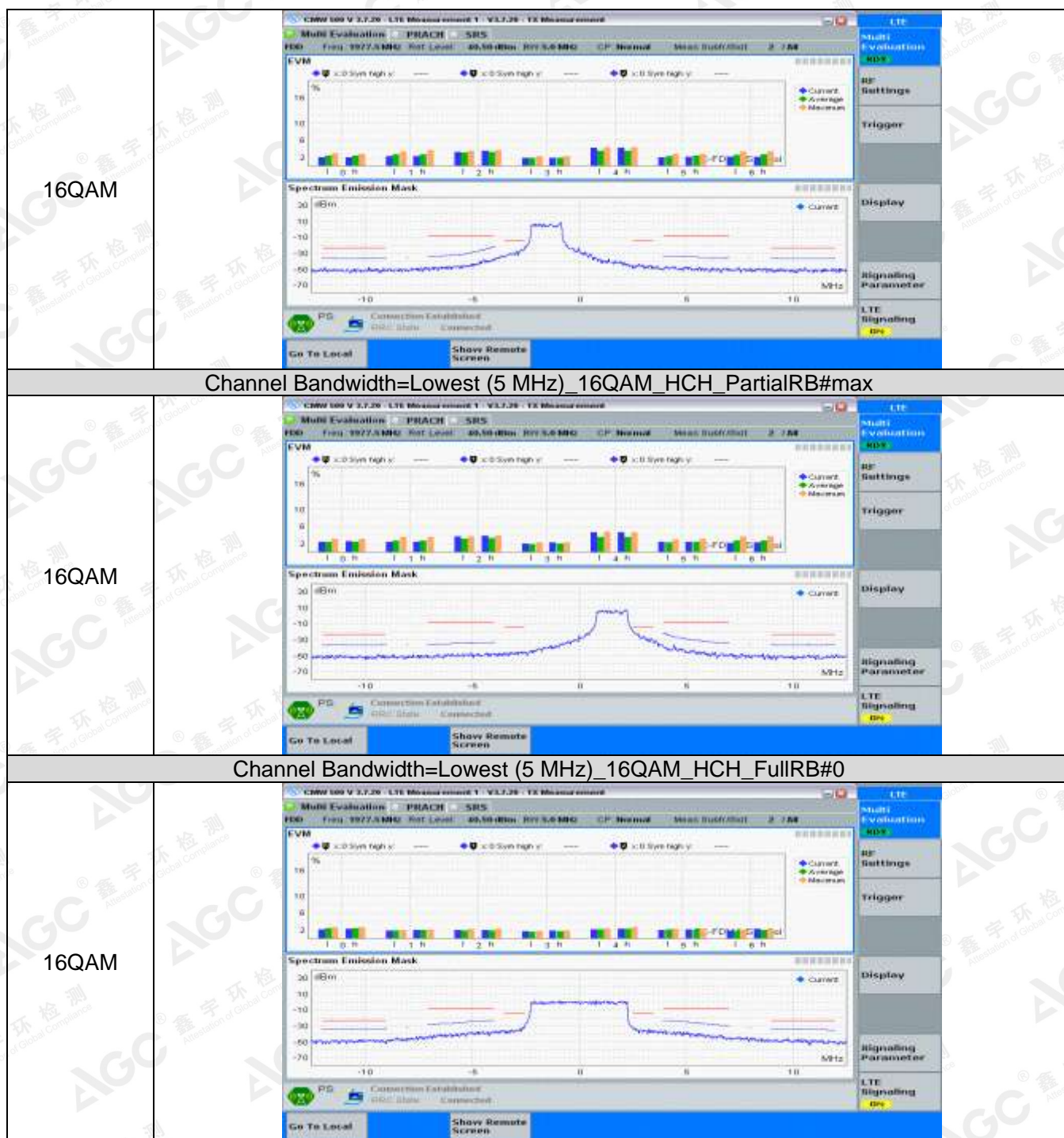
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

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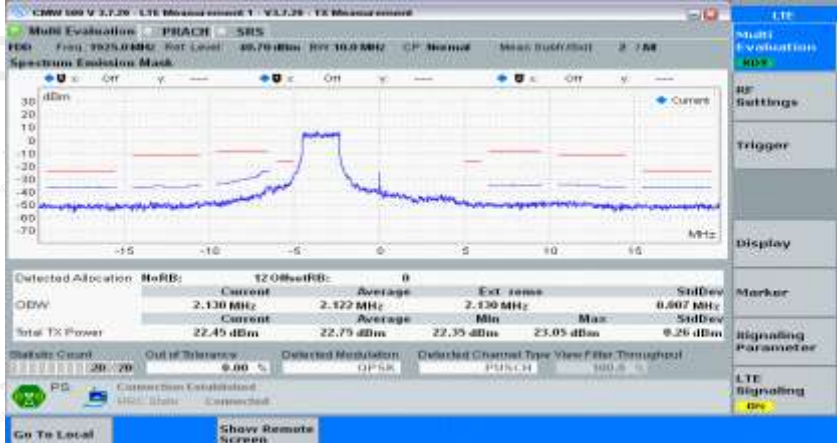
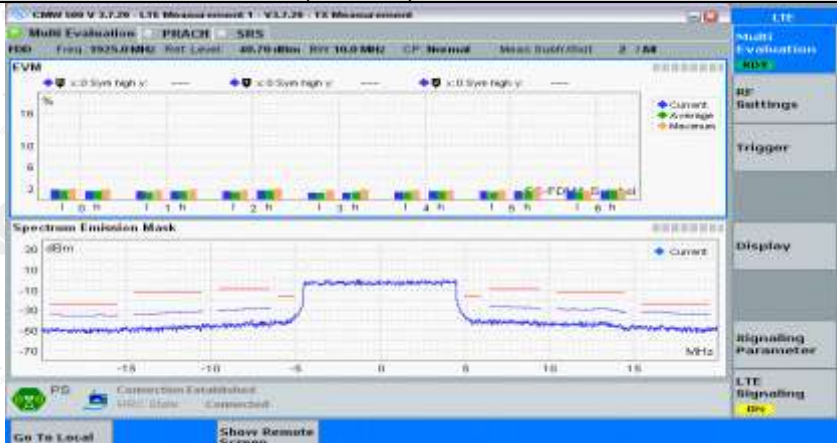
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>

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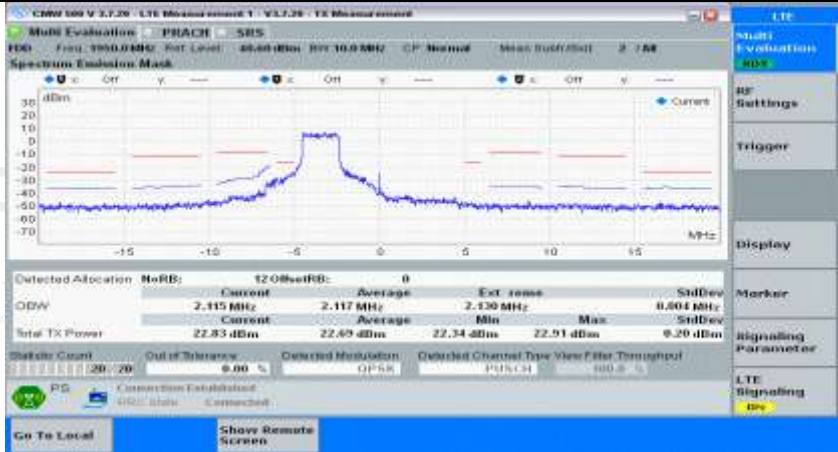
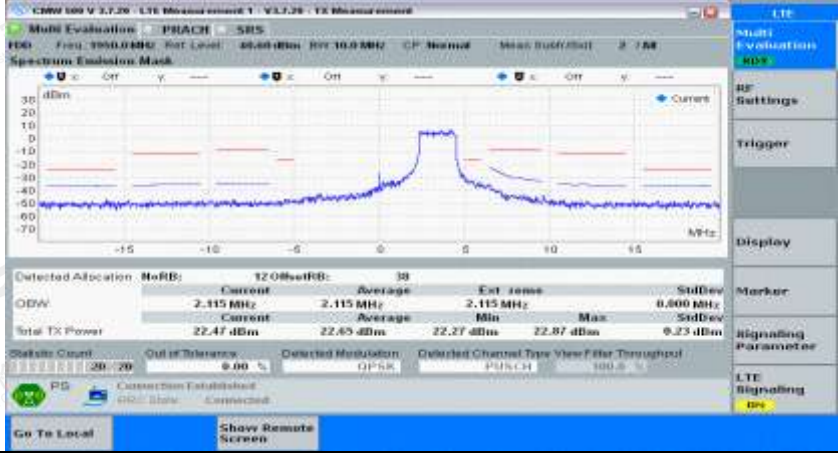
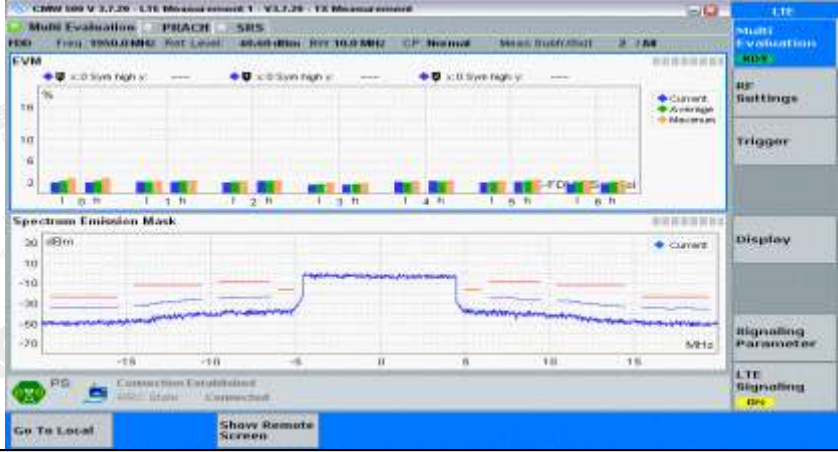


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Channel Bandwidth= (10 MHz)

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

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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	 <table data-bbox="469 1487 1291 1621"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB: 50.0MHzRB: 0</th><th colspan="2">Ext. tones</th></tr><tr><td>Current</td><td>8.895 MHz</td><td>Average</td><td>8.895 MHz</td><td>Min</td><td>8.895 MHz</td></tr><tr><td>Current</td><td>21.43 dBm</td><td>Average</td><td>21.26 dBm</td><td>Min</td><td>21.84 dBm</td></tr><tr><td>Current</td><td>21.43 dBm</td><td>Average</td><td>21.26 dBm</td><td>Min</td><td>21.84 dBm</td></tr><tr><td>Current</td><td>21.43 dBm</td><td>Average</td><td>21.26 dBm</td><td>Min</td><td>21.84 dBm</td></tr></table>	Detected Allocation		NoRB: 50.0MHzRB: 0		Ext. tones		Current	8.895 MHz	Average	8.895 MHz	Min	8.895 MHz	Current	21.43 dBm	Average	21.26 dBm	Min	21.84 dBm	Current	21.43 dBm	Average	21.26 dBm	Min	21.84 dBm	Current	21.43 dBm	Average	21.26 dBm	Min	21.84 dBm
Detected Allocation		NoRB: 50.0MHzRB: 0		Ext. tones																											
Current	8.895 MHz	Average	8.895 MHz	Min	8.895 MHz																										
Current	21.43 dBm	Average	21.26 dBm	Min	21.84 dBm																										
Current	21.43 dBm	Average	21.26 dBm	Min	21.84 dBm																										
Current	21.43 dBm	Average	21.26 dBm	Min	21.84 dBm																										
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0																															

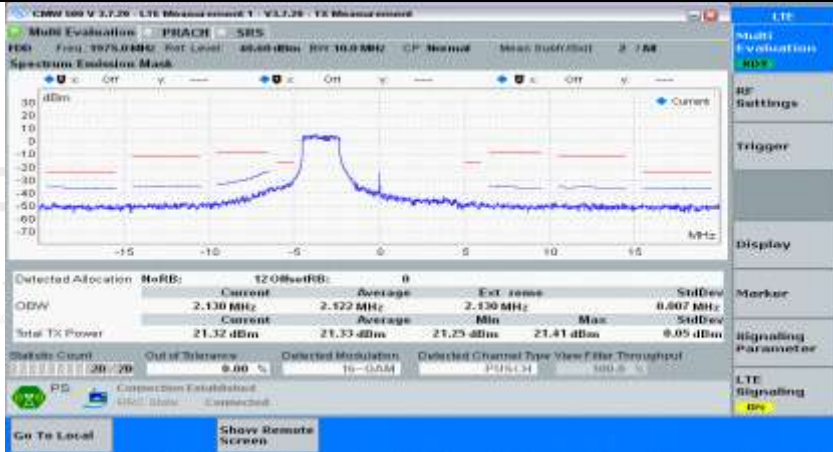
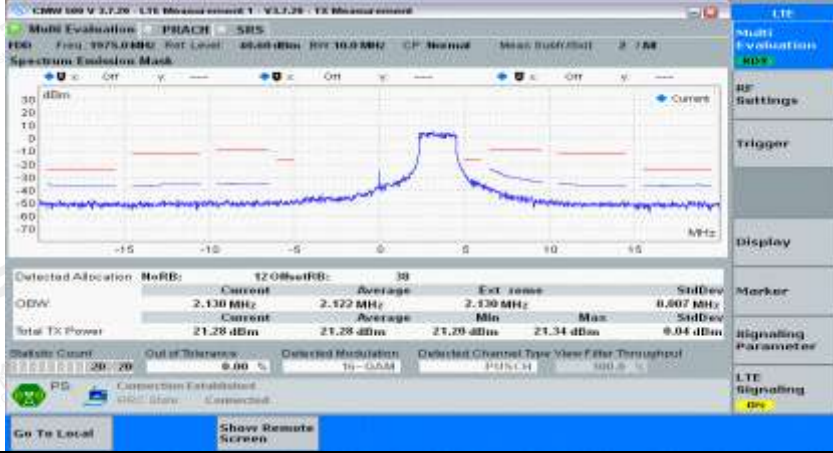
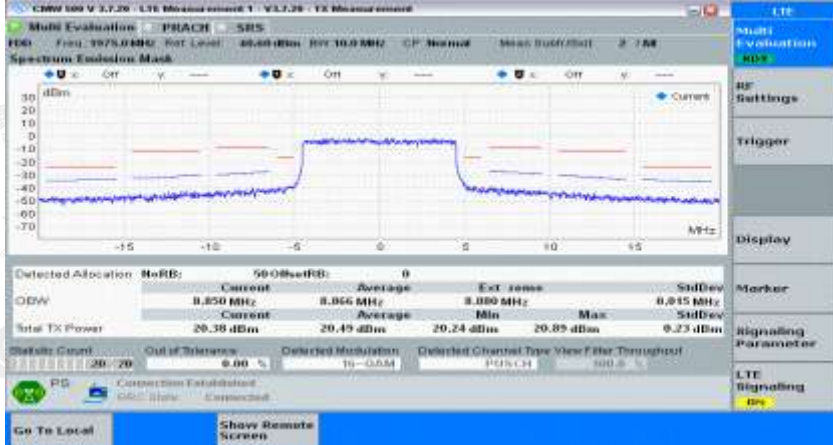
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

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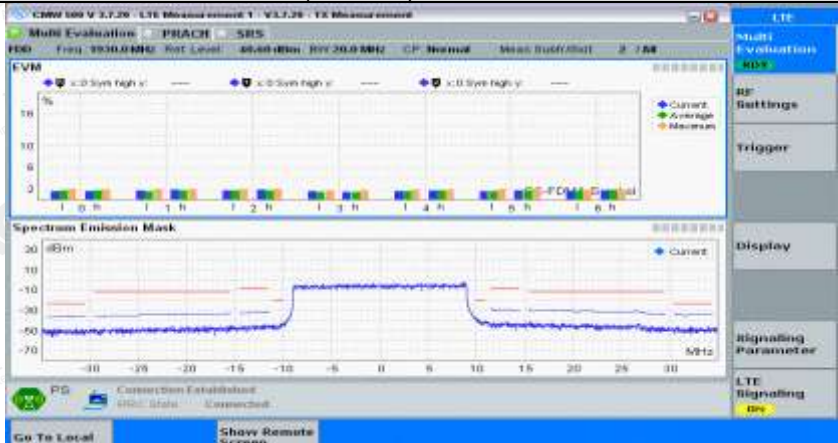


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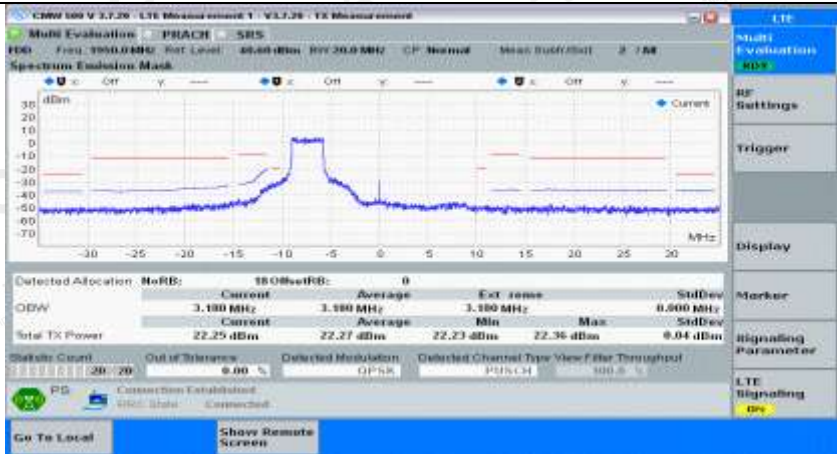
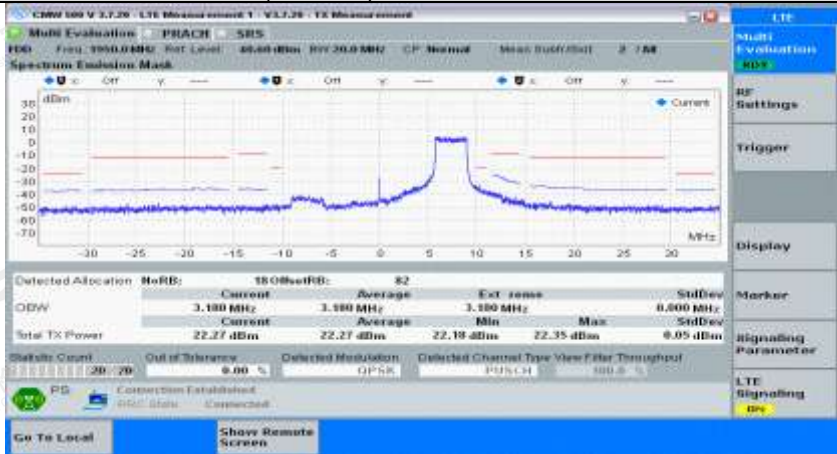
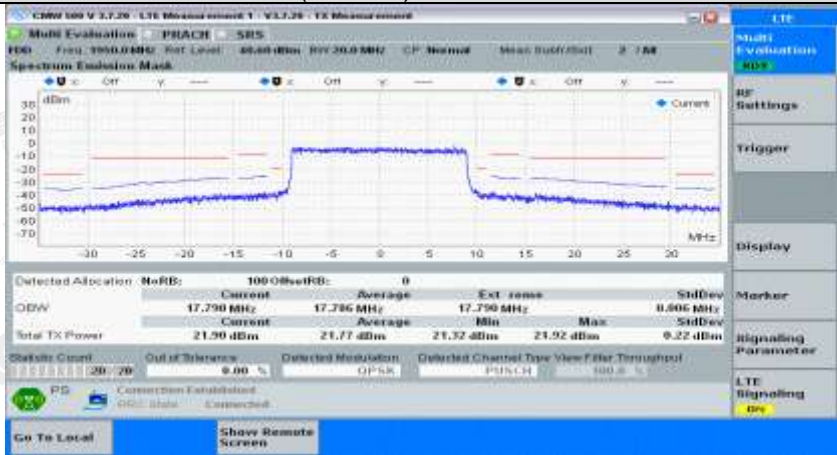
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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Channel Bandwidth=Highest (20 MHz)

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

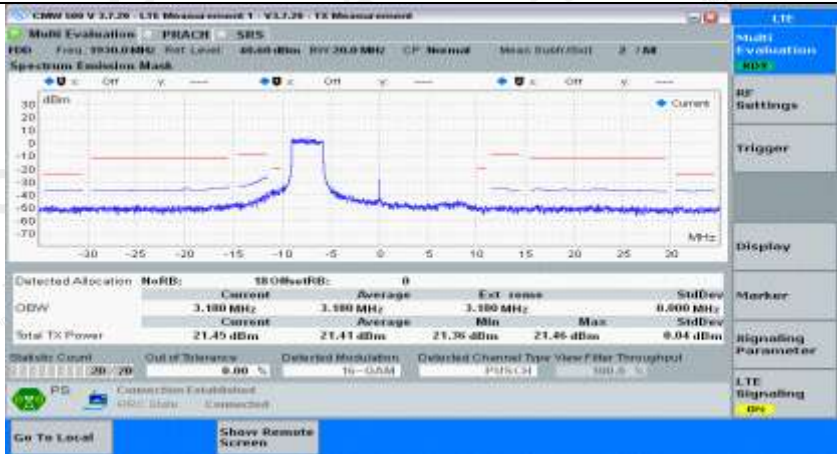
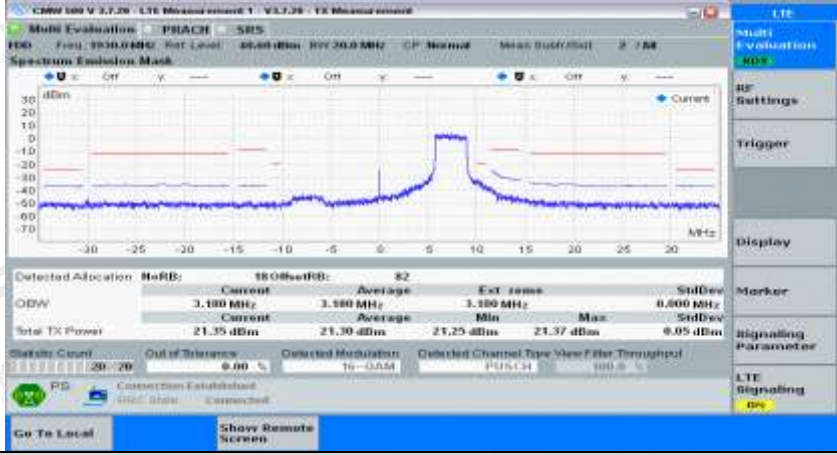

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QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

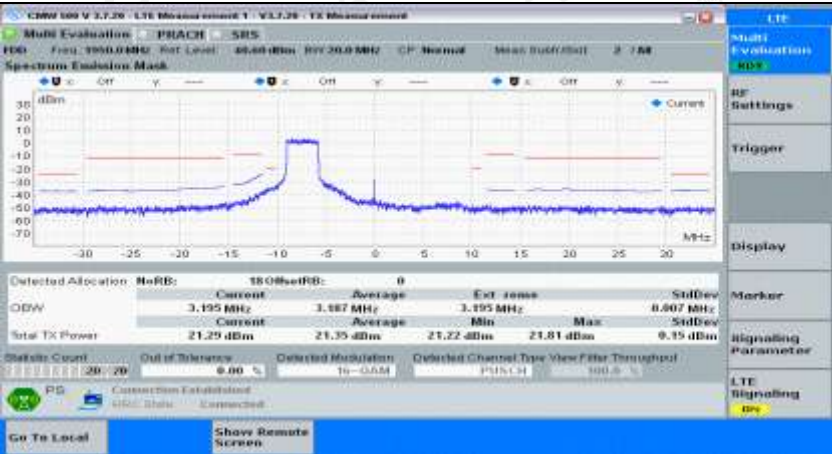
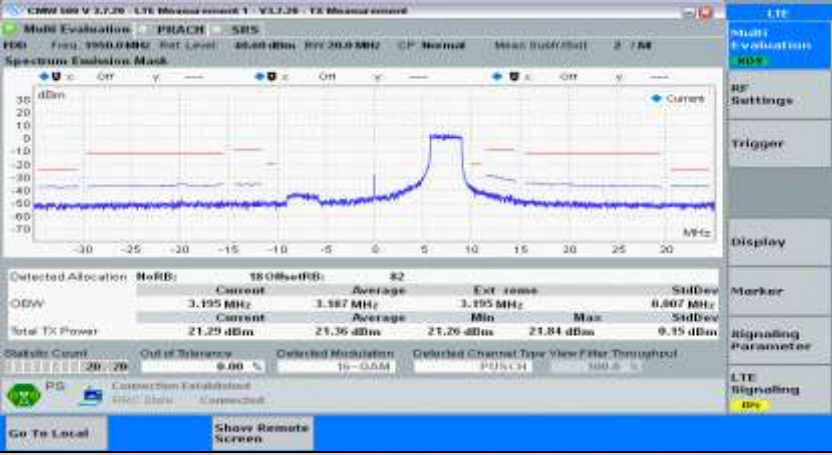
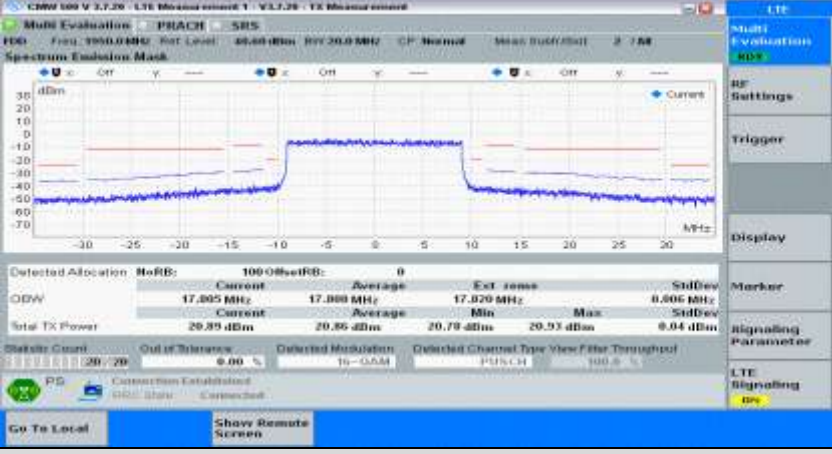
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QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	

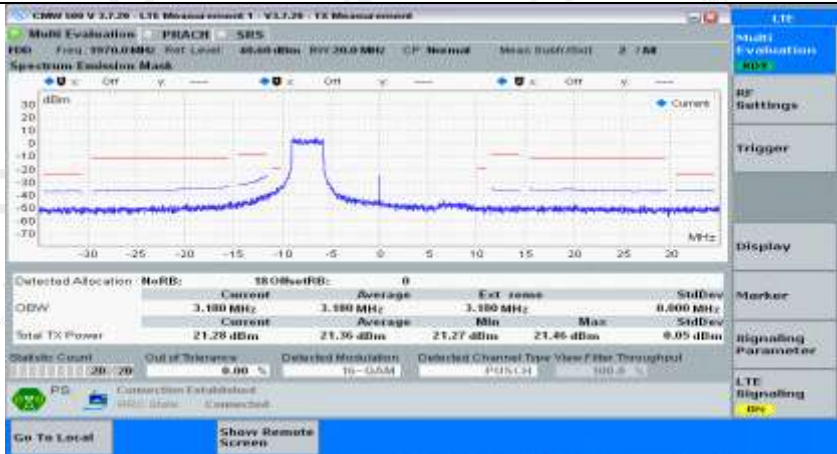
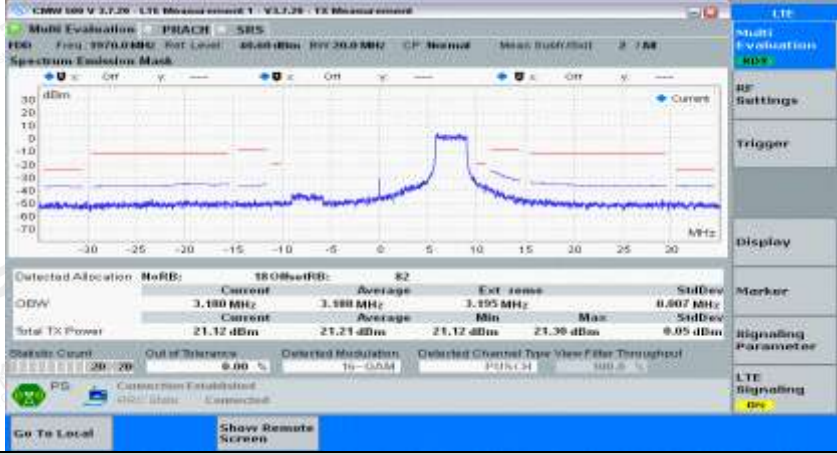
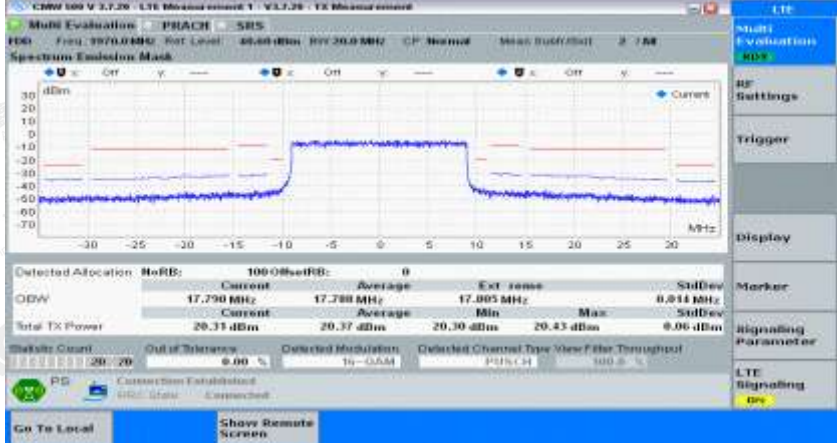
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

16QAM	
Channel Bandwidth=Lowest (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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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

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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)

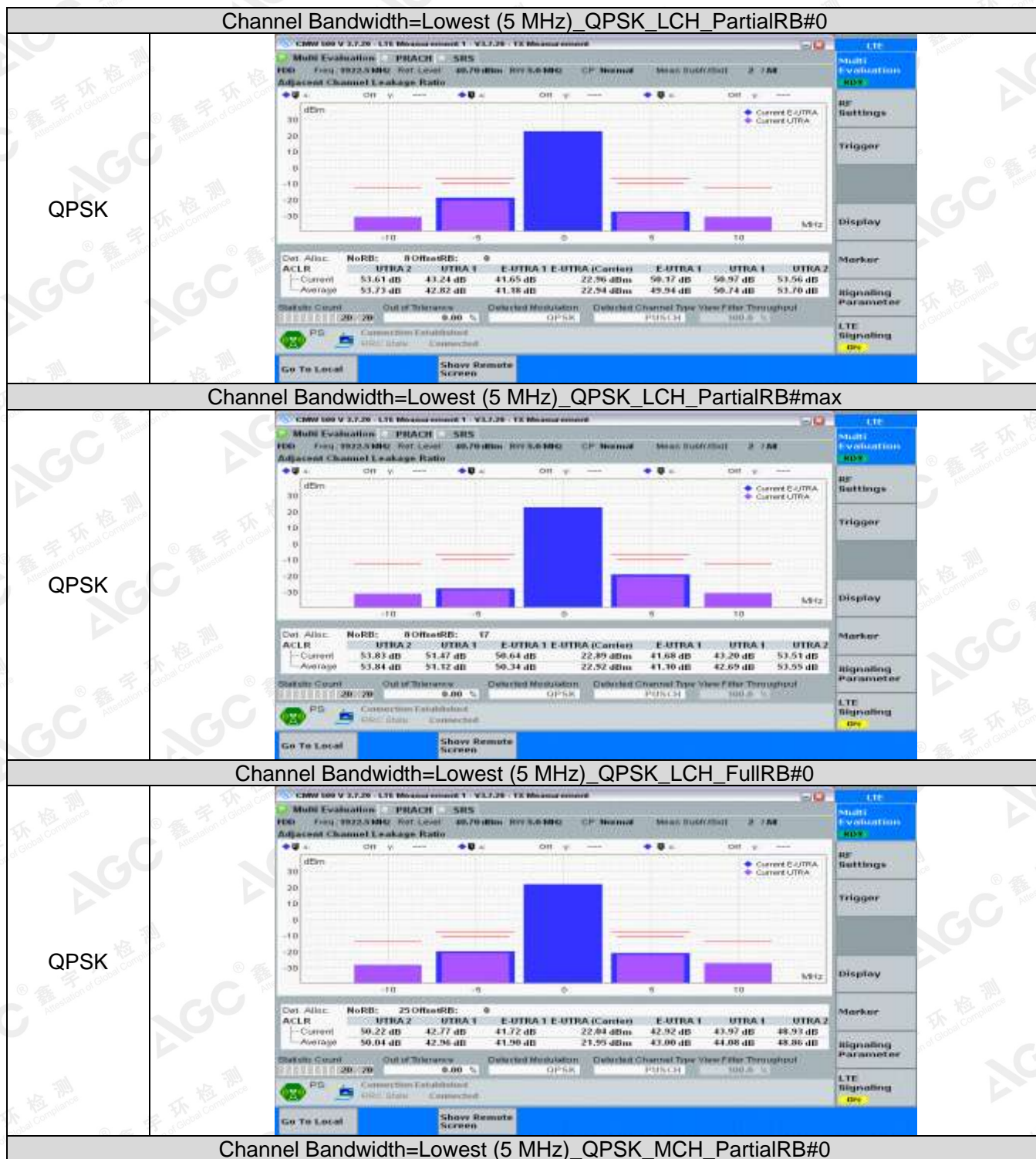
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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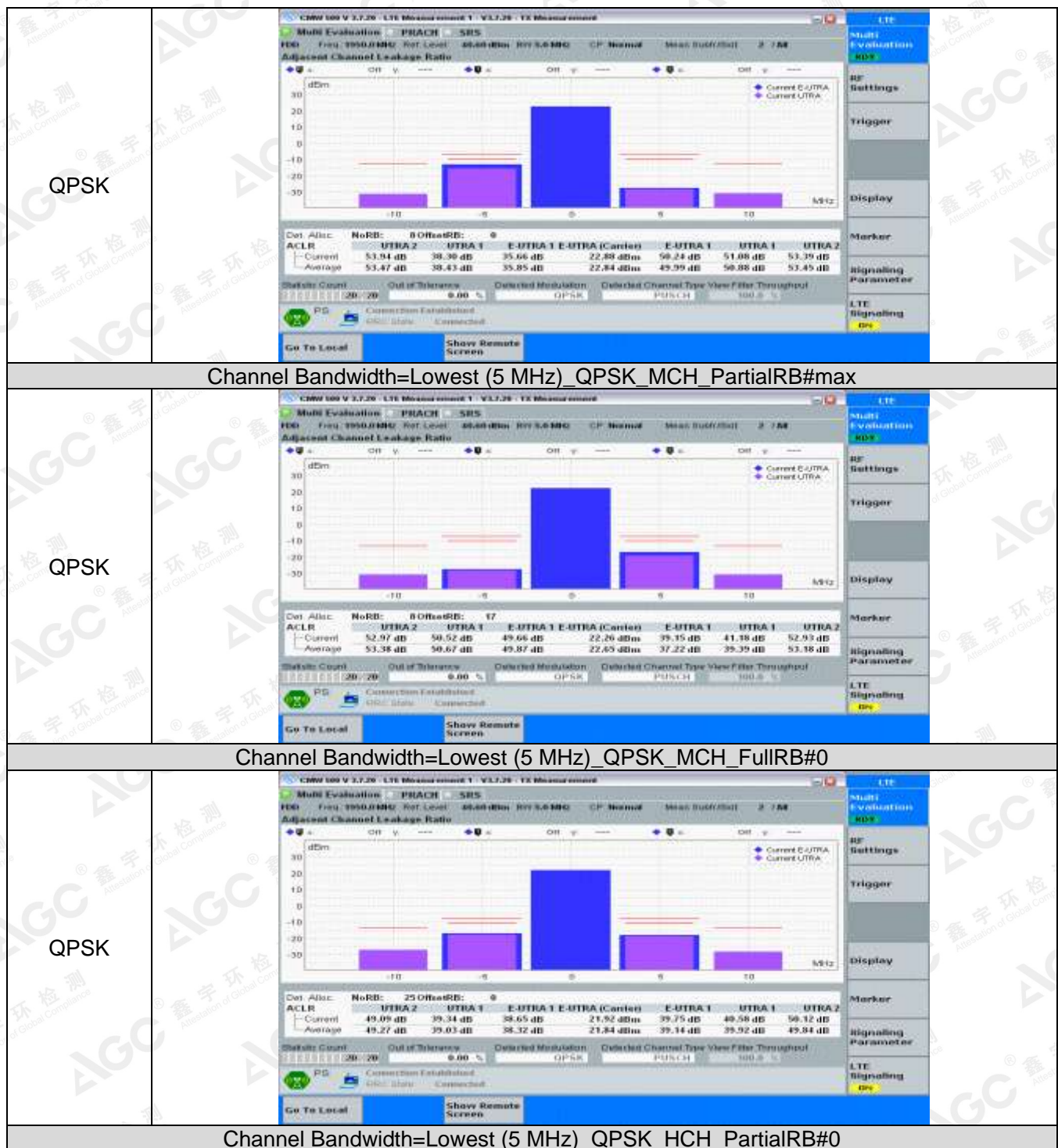
Test Graphs

NTNV

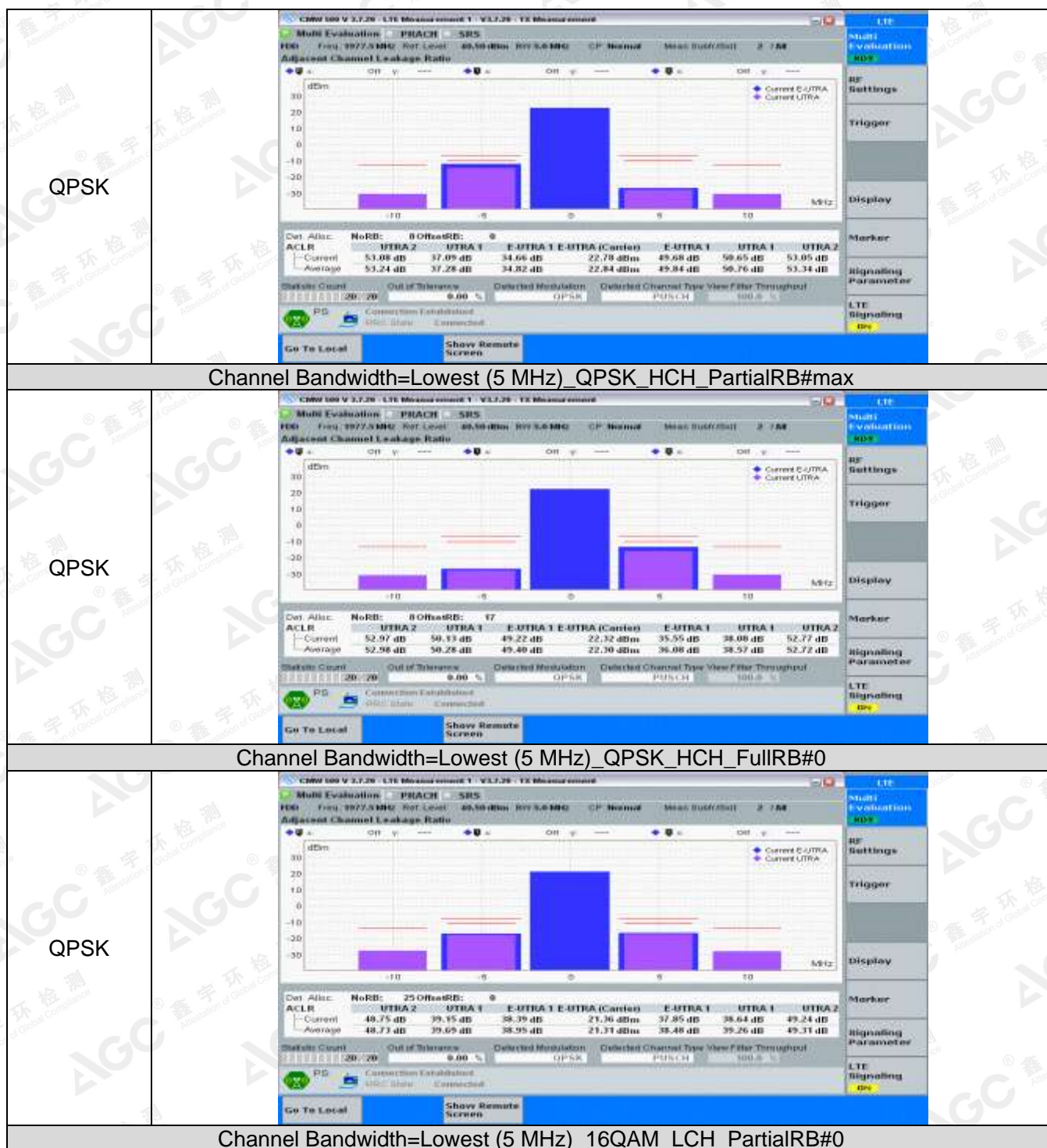
Channel Bandwidth=Lowest (5 MHz)



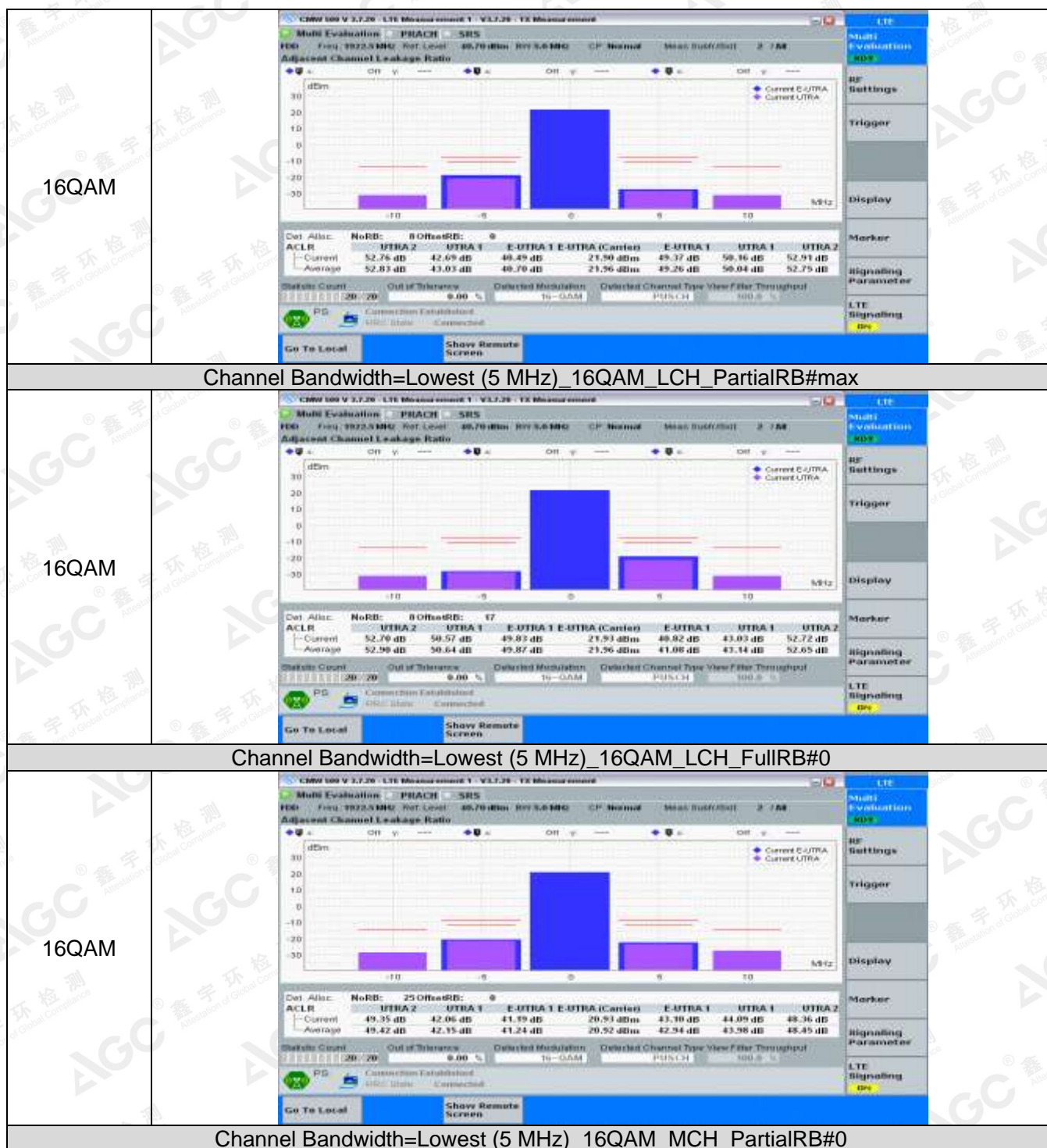
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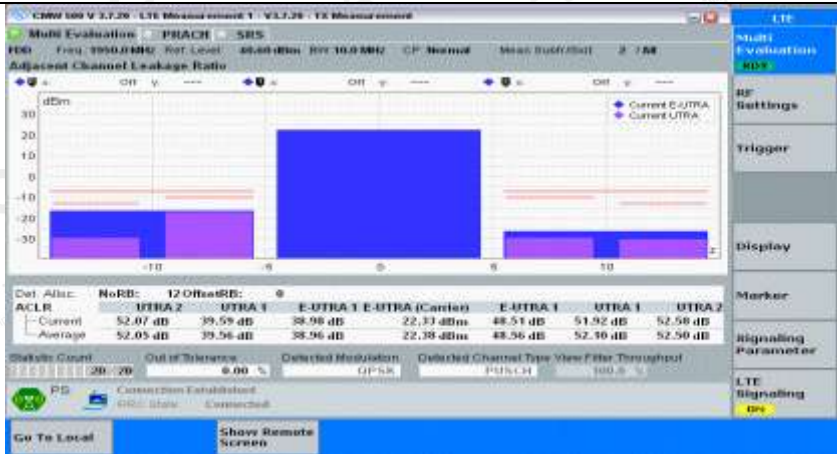


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16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>

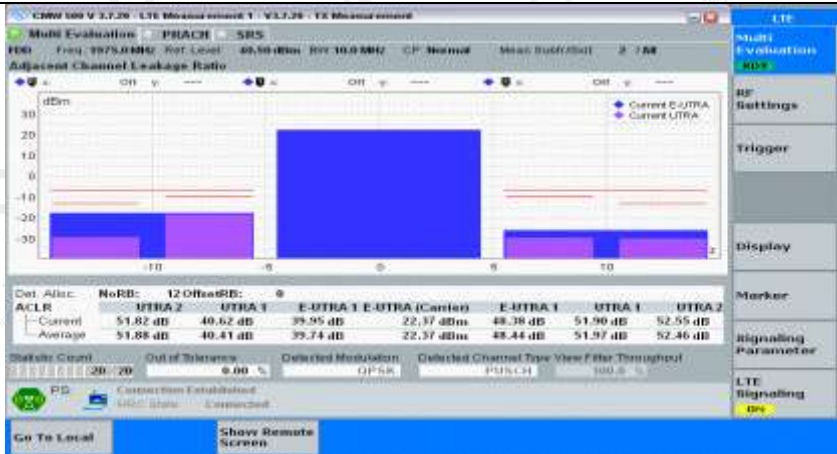

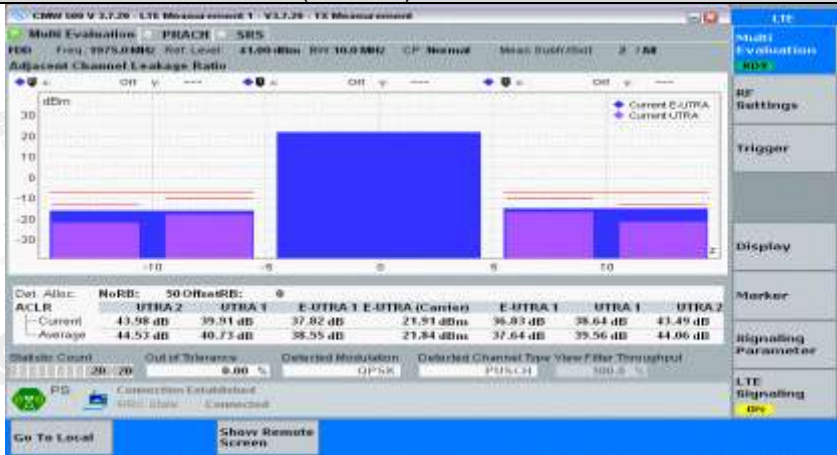
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QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>


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

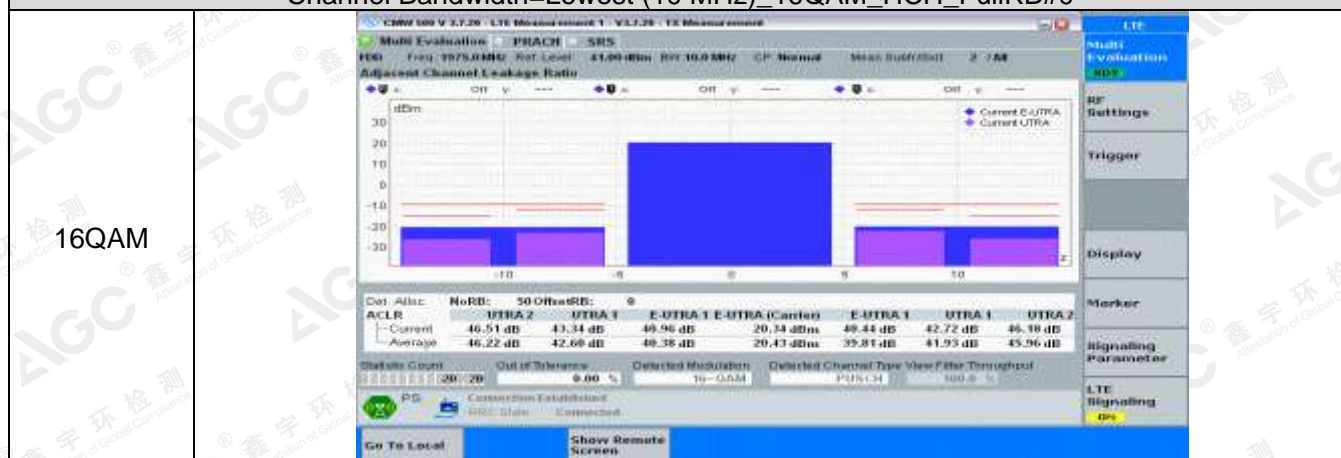
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

16QAM	 <p>Channel Bandwidth=Lowest (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#max</p>

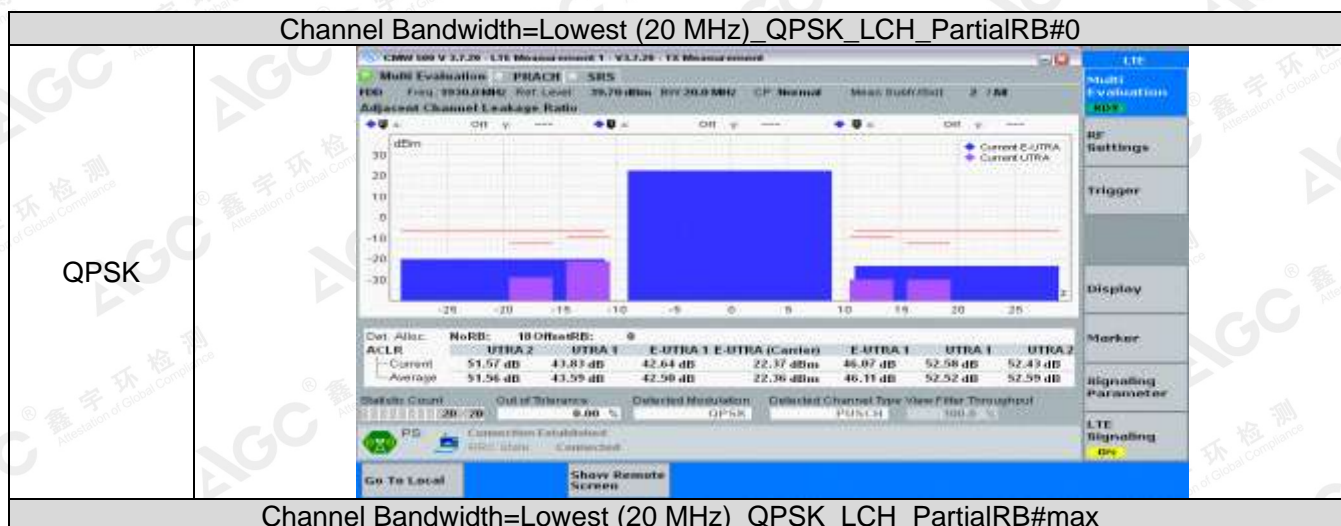
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Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0



Channel Bandwidth=Highest (20 MHz)



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

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Add: 2/F., Building 2, No. 1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



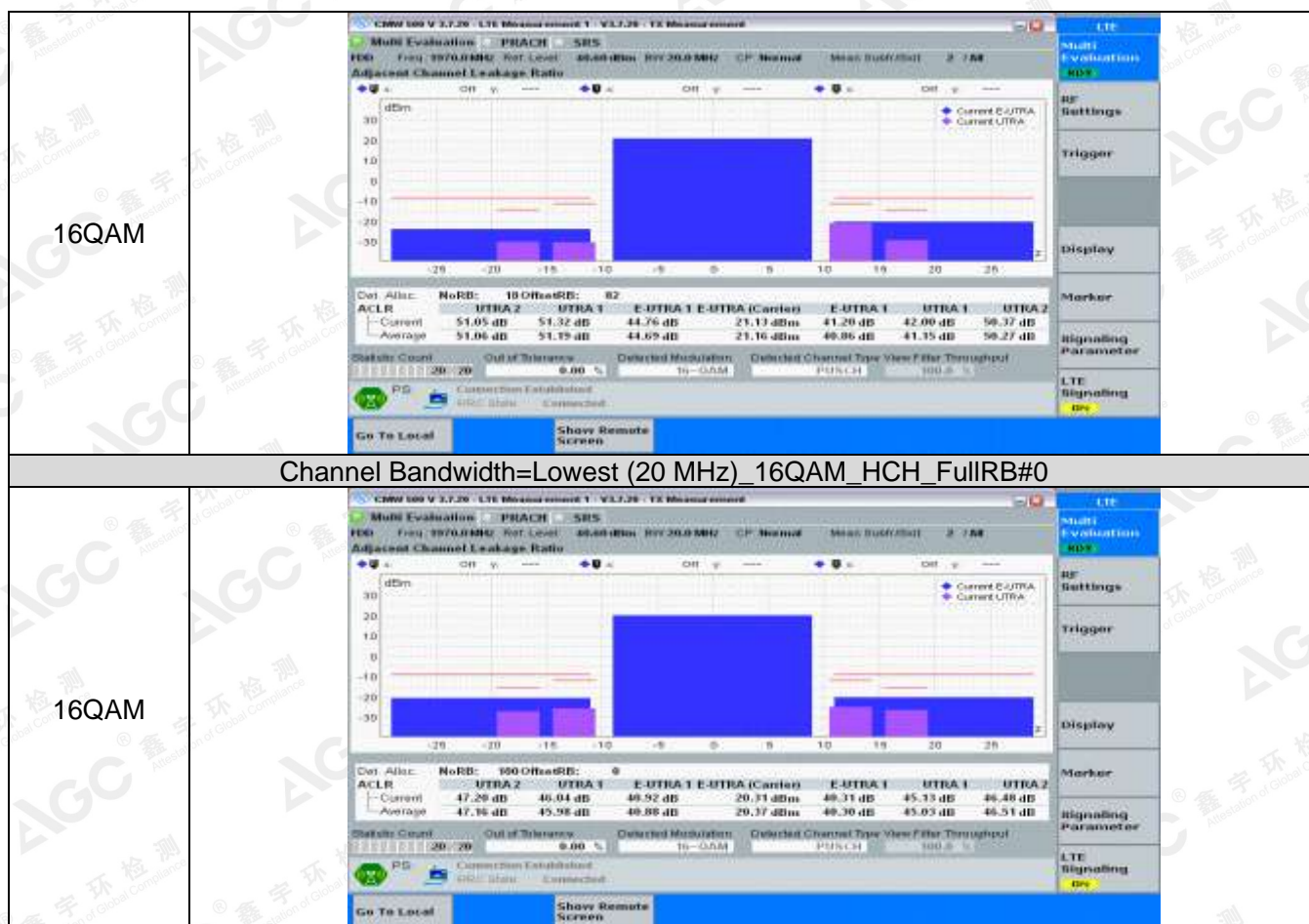
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5. Transmitter Spurious Emissions

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)

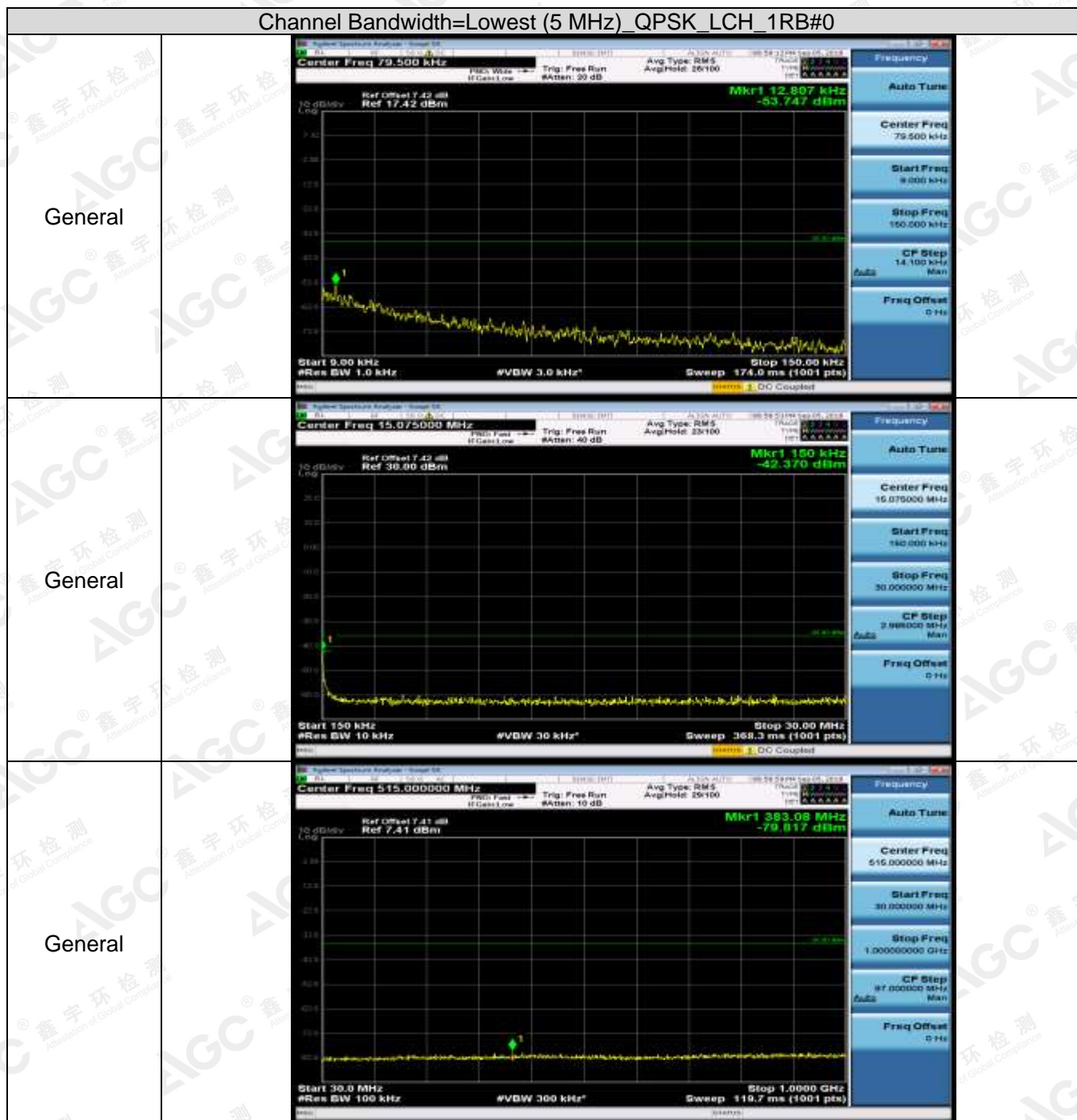
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

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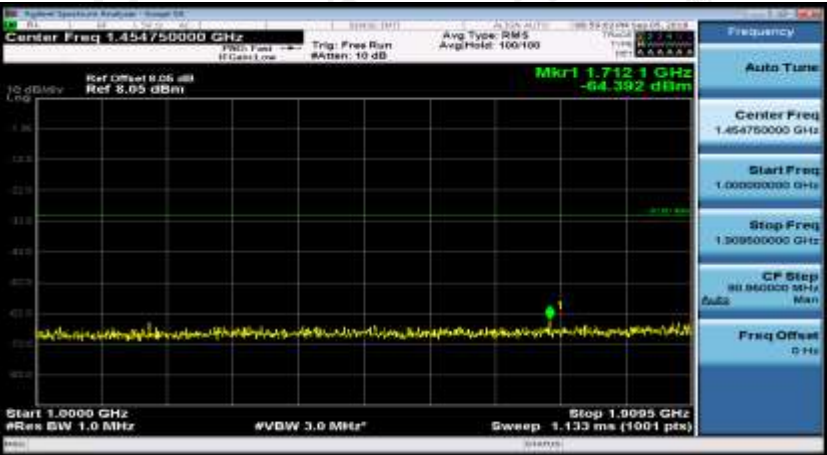

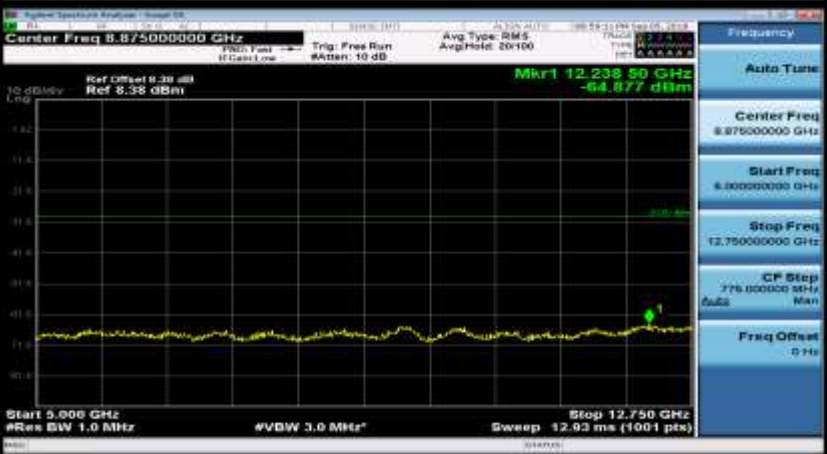
Test Graphs

NTNV

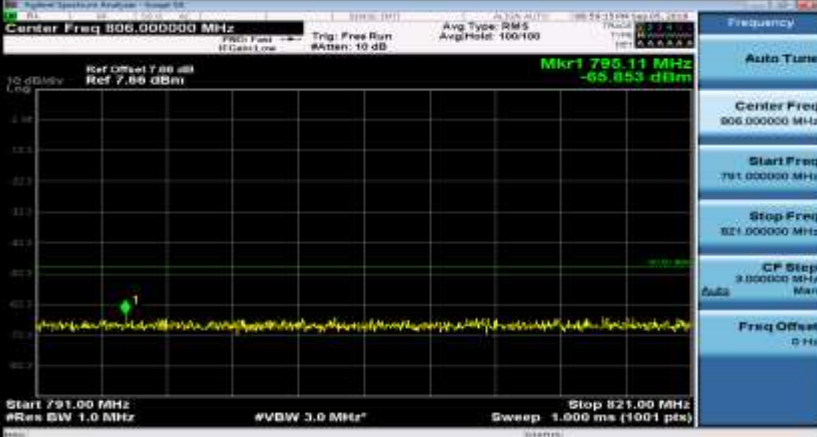
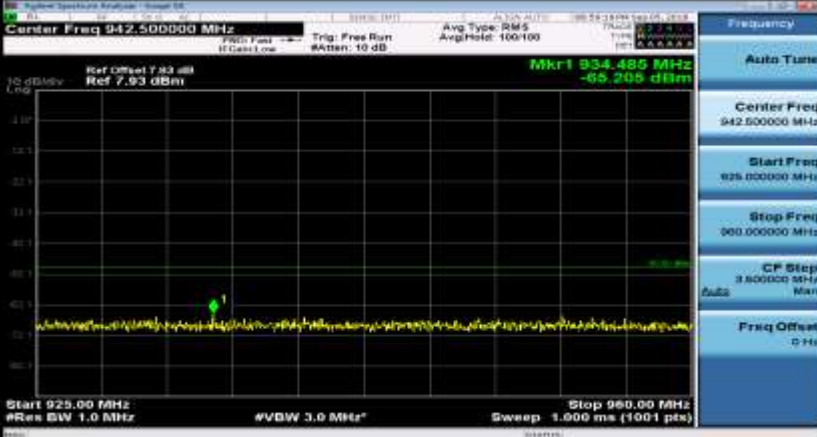
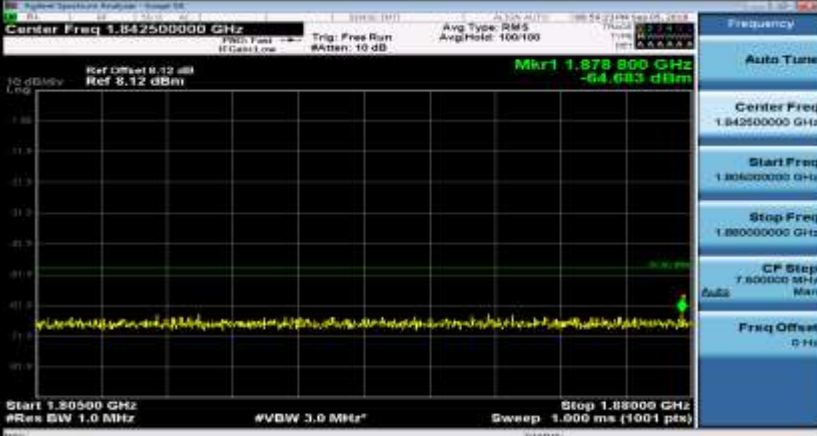
Channel Bandwidth=Lowest (5 MHz)



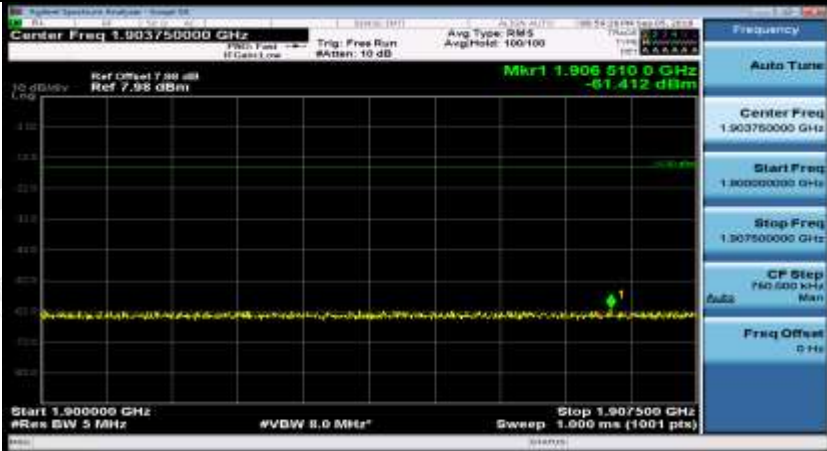
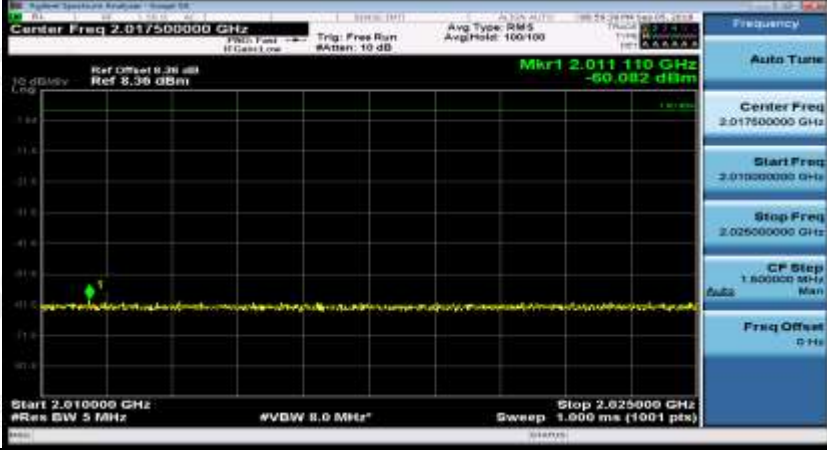
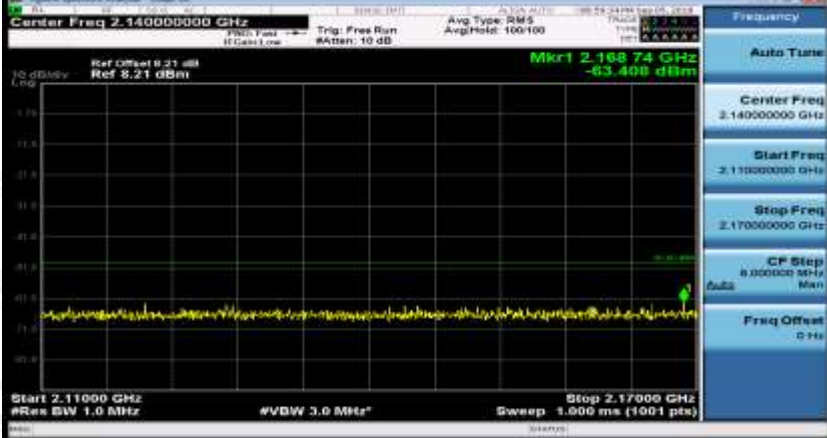
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General		
General		
General		

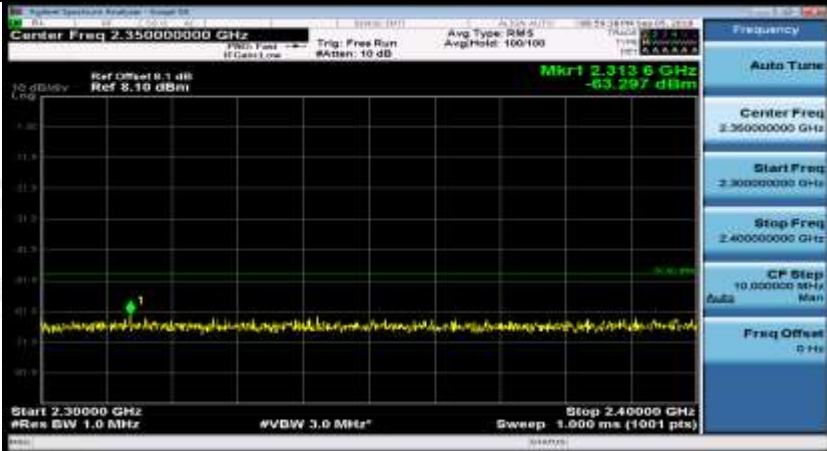
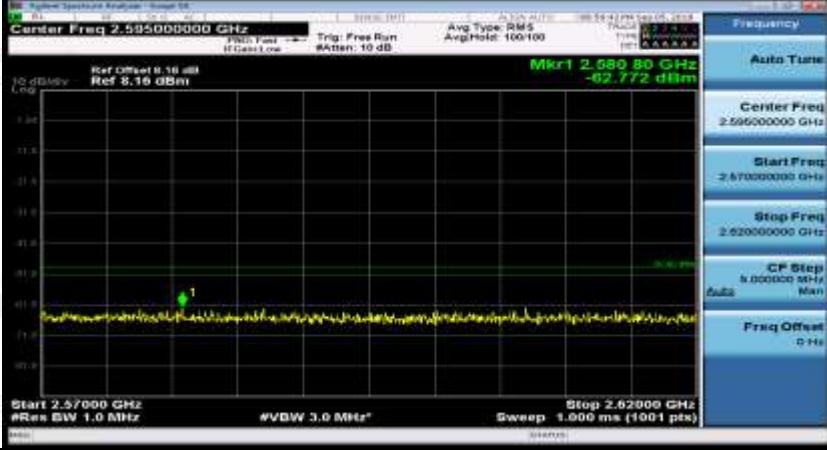

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Co-existence			
Co-existence			
Co-existence			

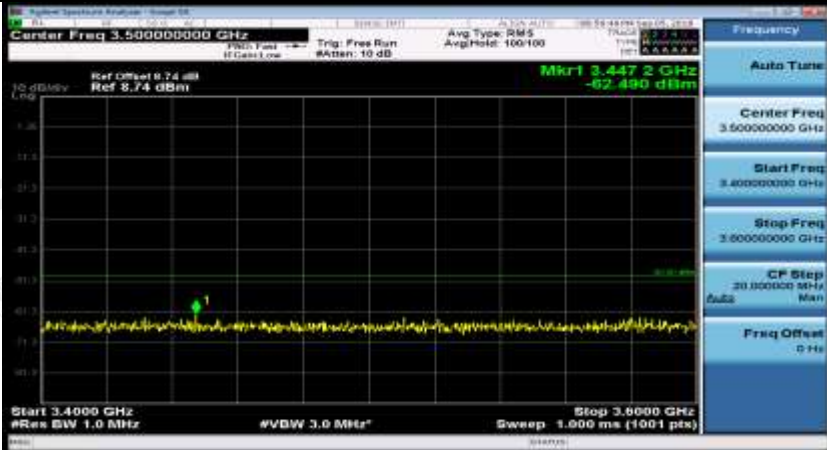

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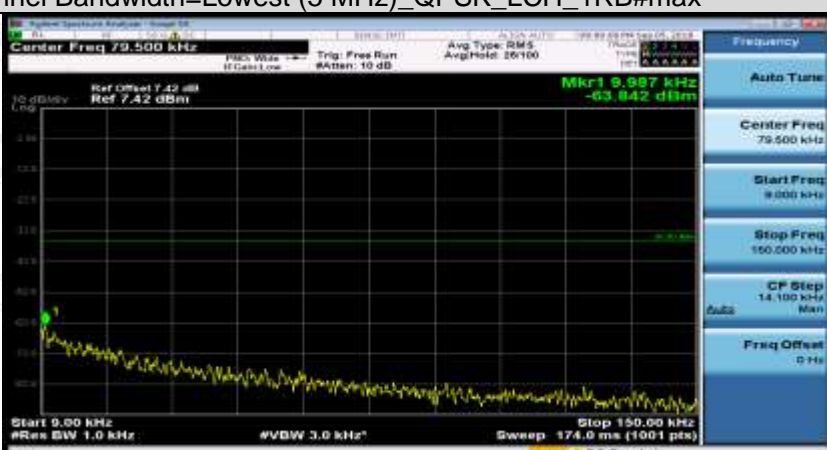
Co-existence	
Co-existence	
Co-existence	

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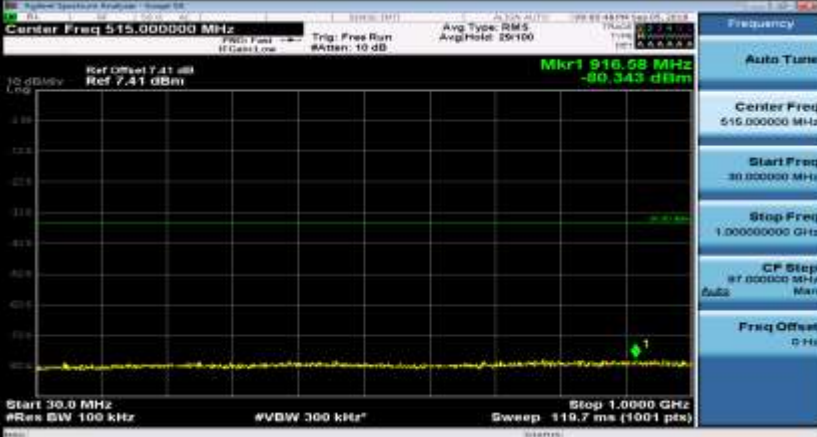
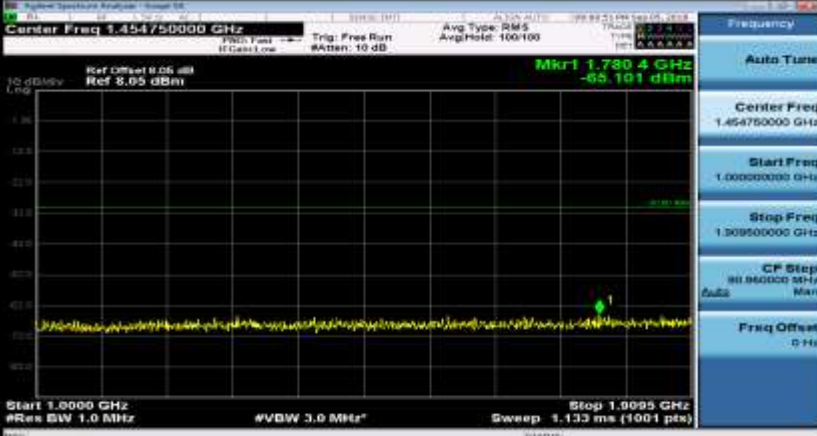
Co-existence	
Co-existence	
Co-existence	

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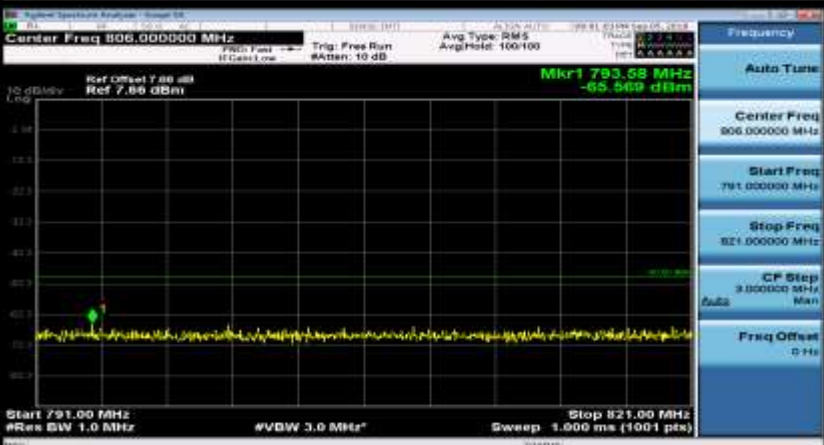
Co-existence	
Co-existence	
Additional	NA

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

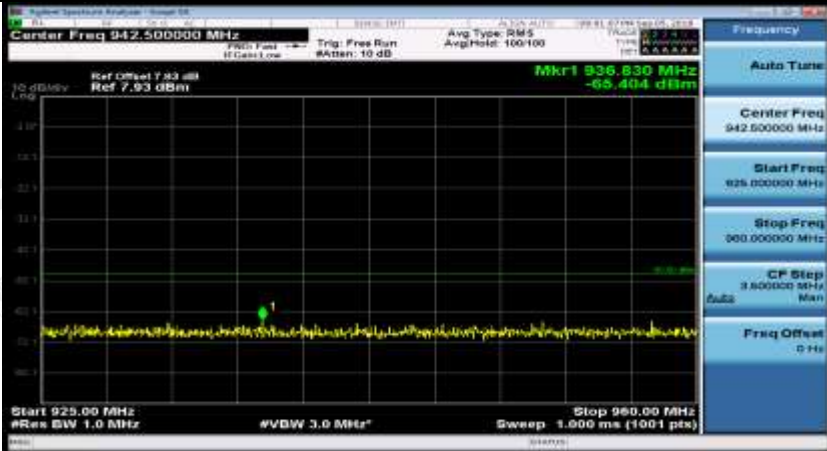
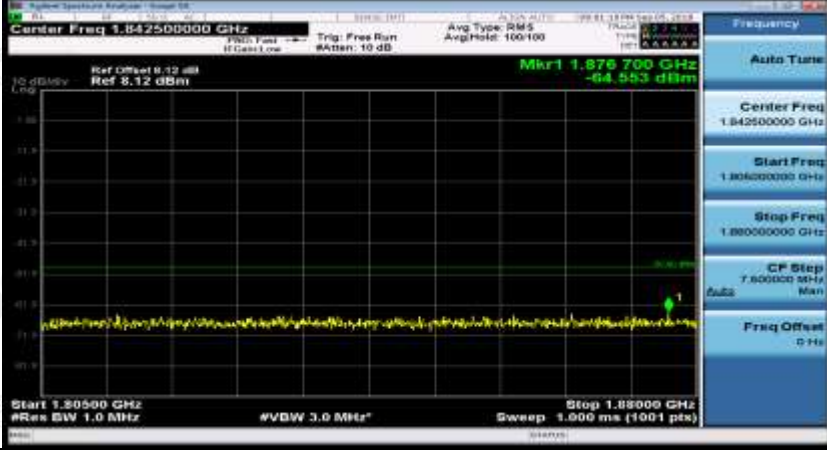

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General			
General			
General			

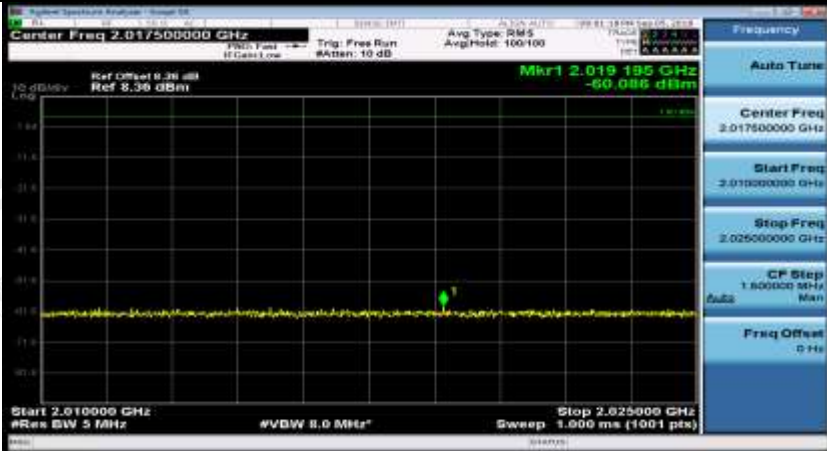
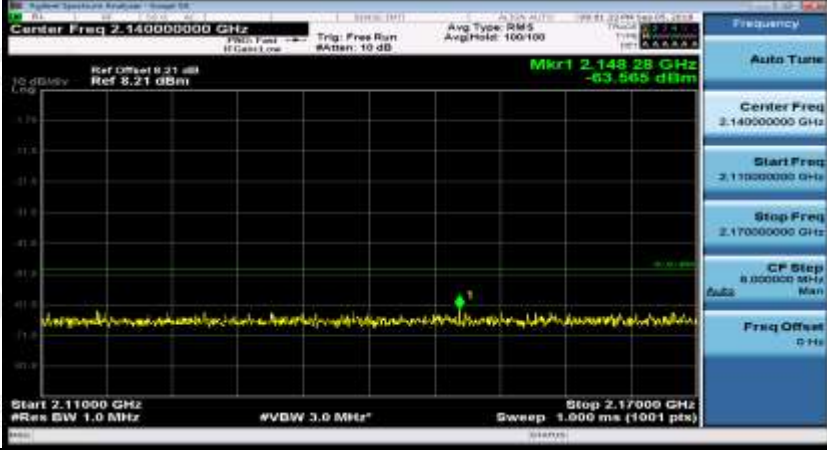
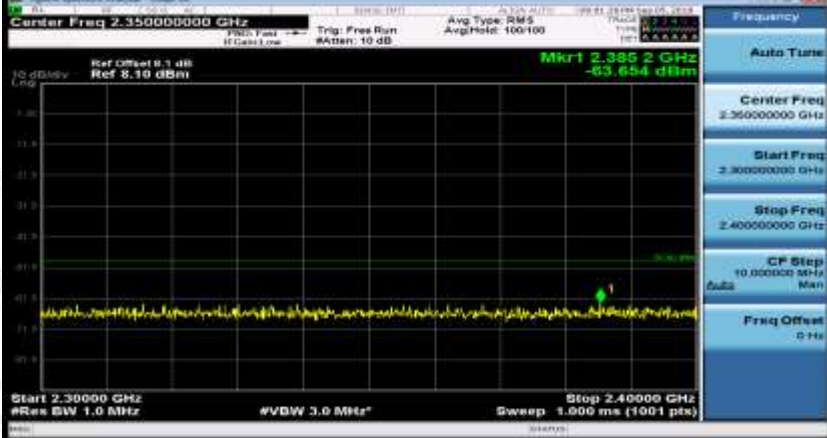
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General	
General	
Co-existence	

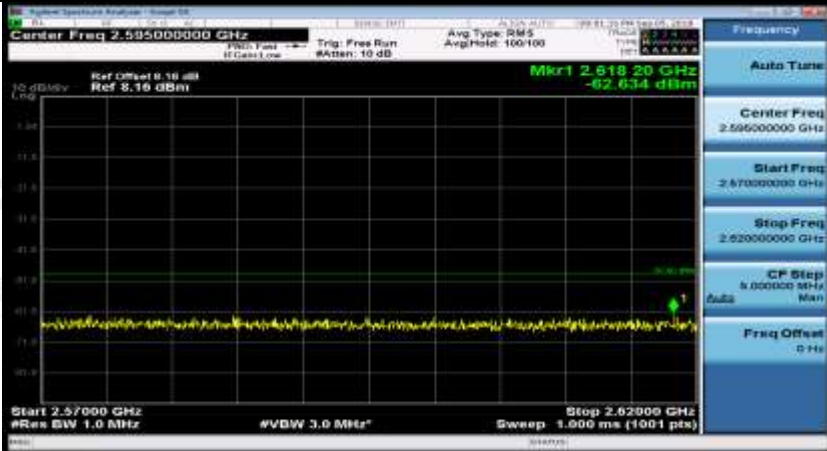
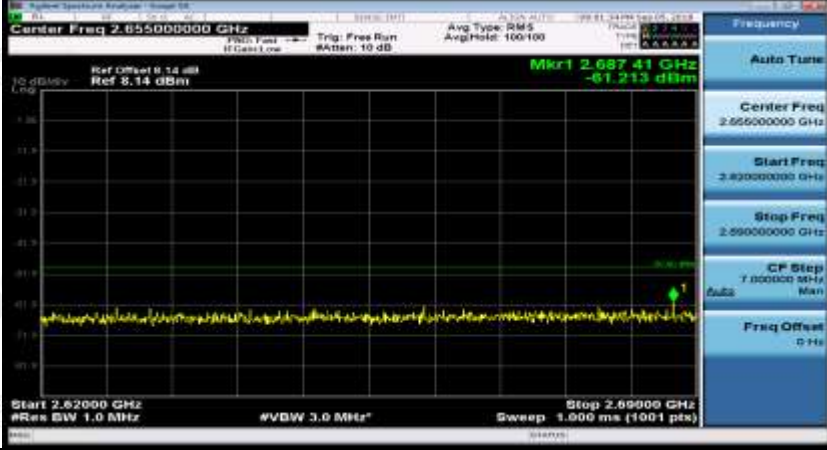
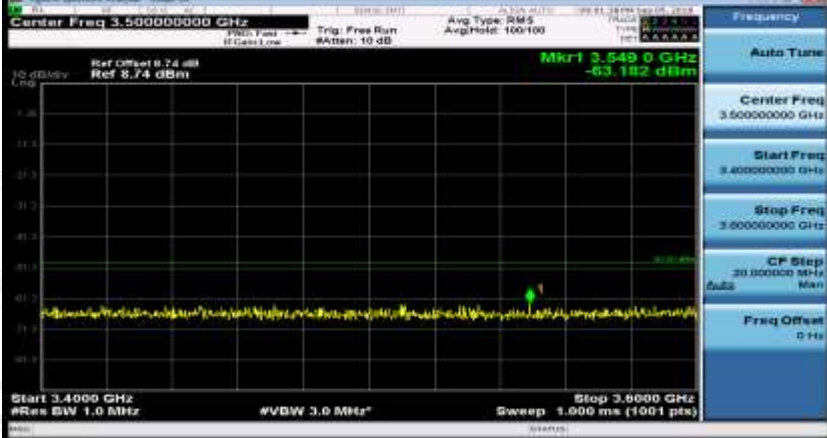
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Co-existence	
Co-existence	
Co-existence	

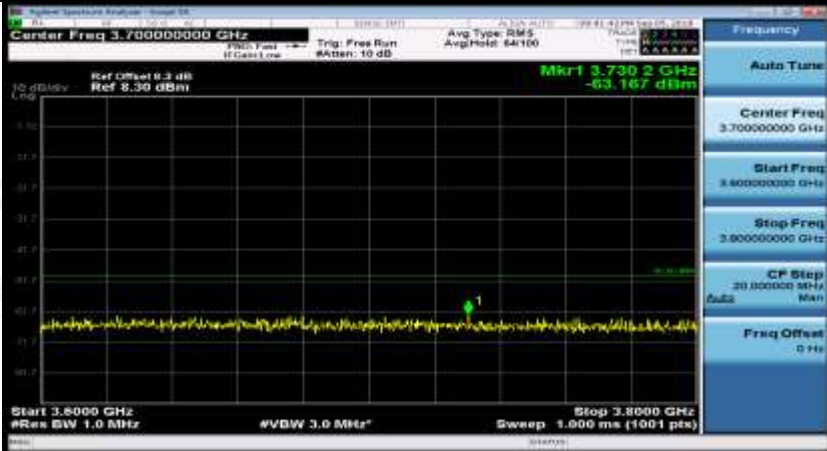
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of 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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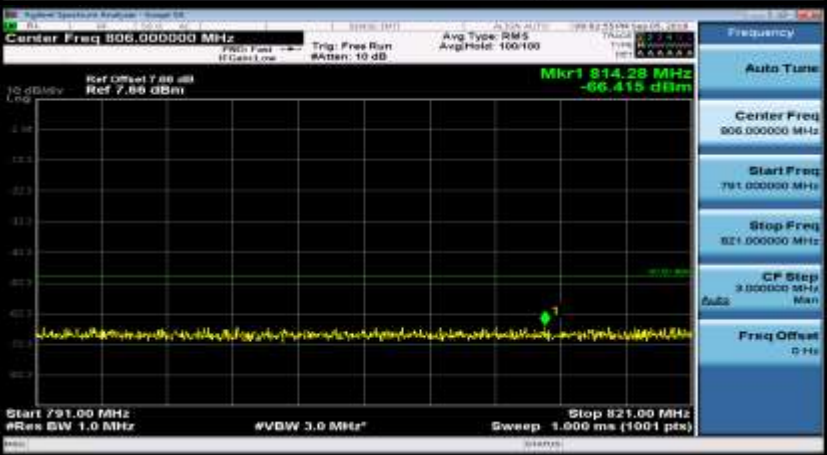
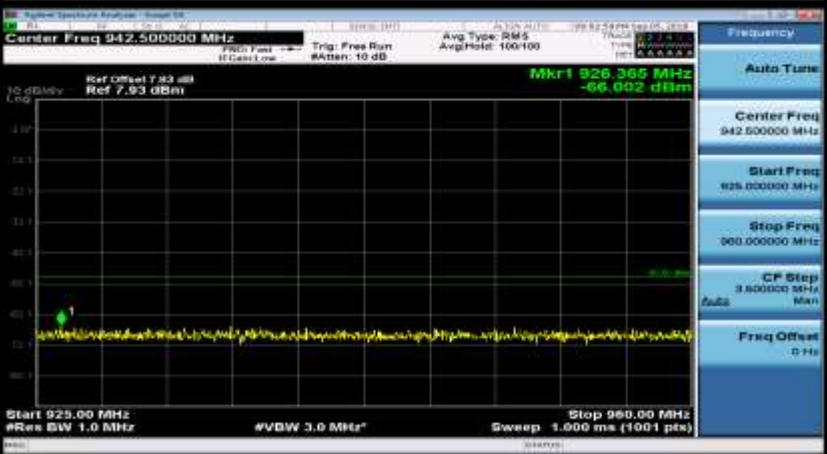
Co-existence	
Additional	NA

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

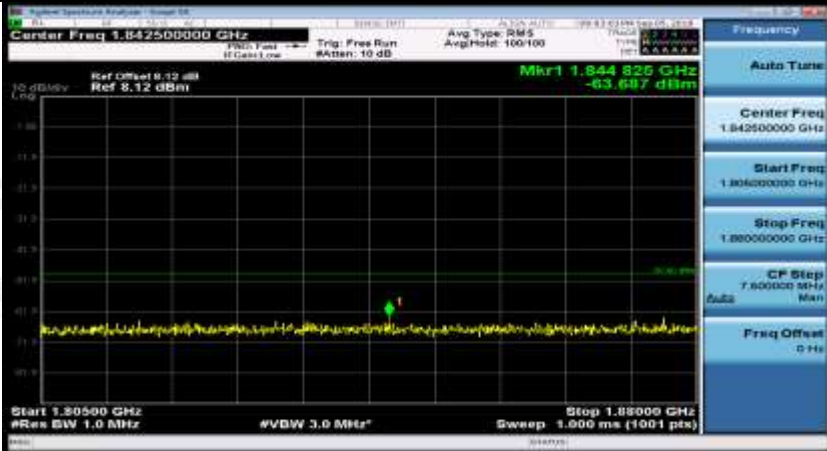
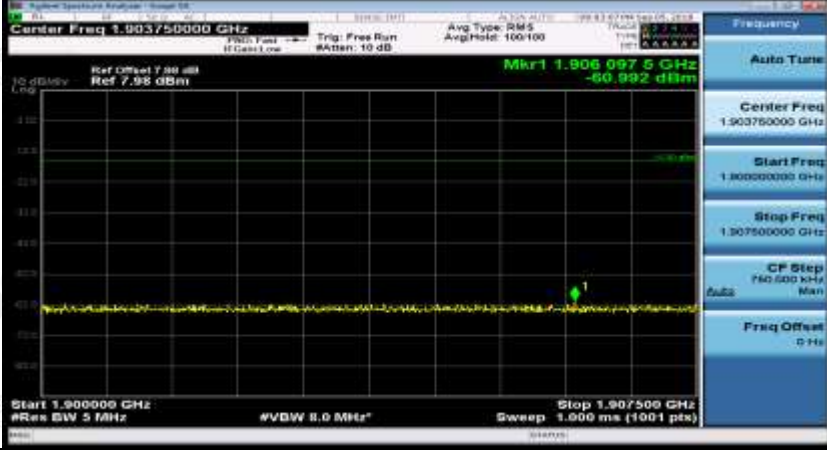

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General		
General		
General		

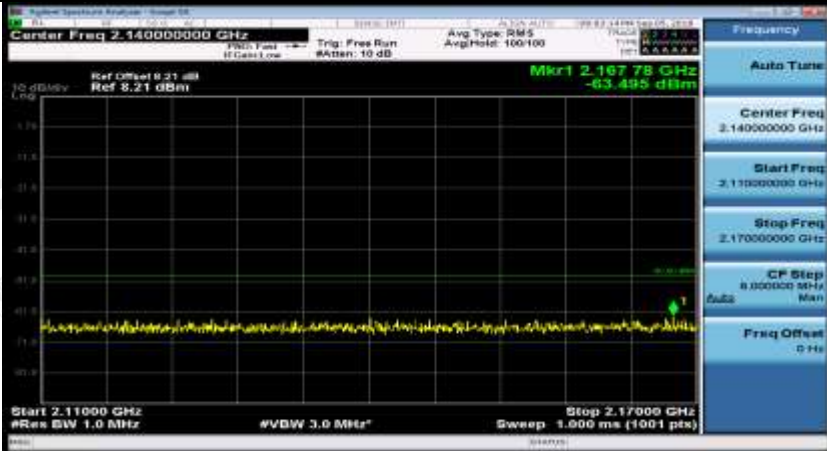
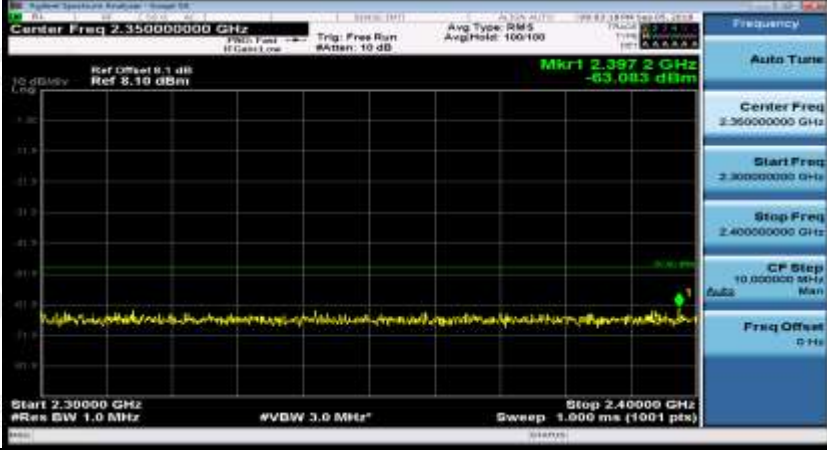
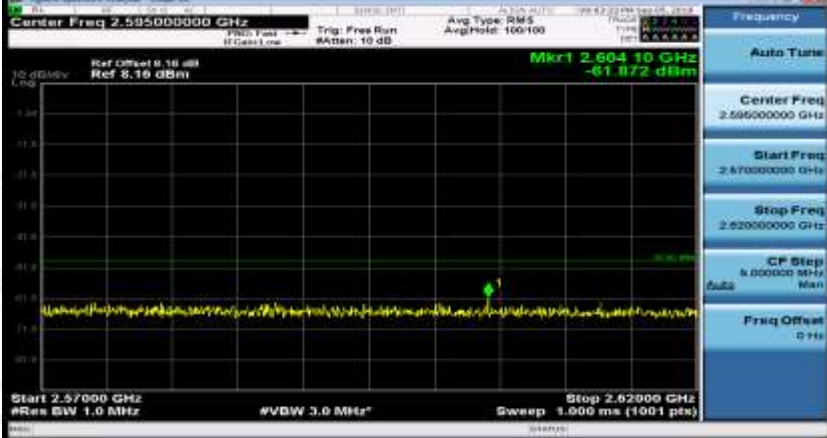
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General		
Co-existence		
Co-existence		

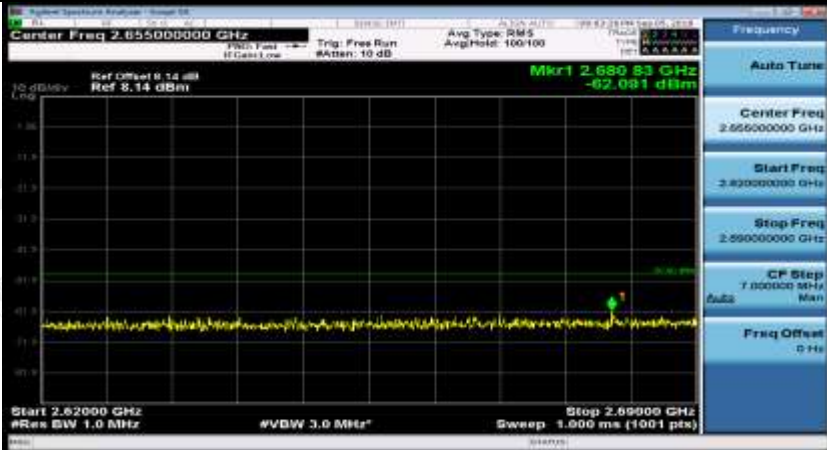
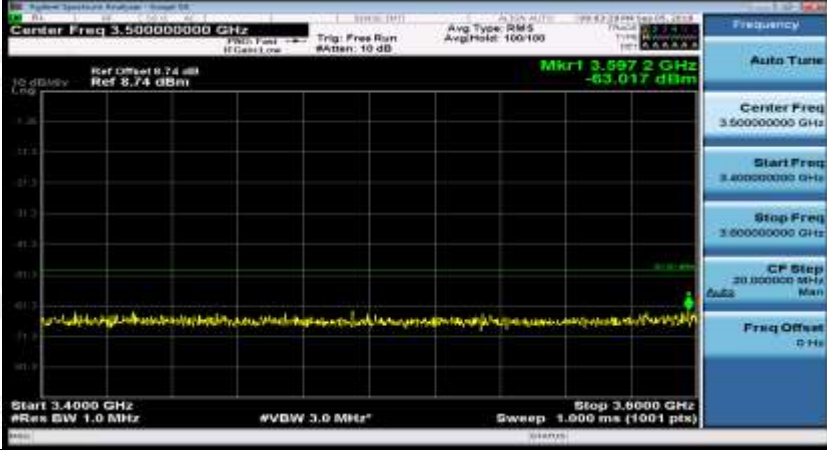
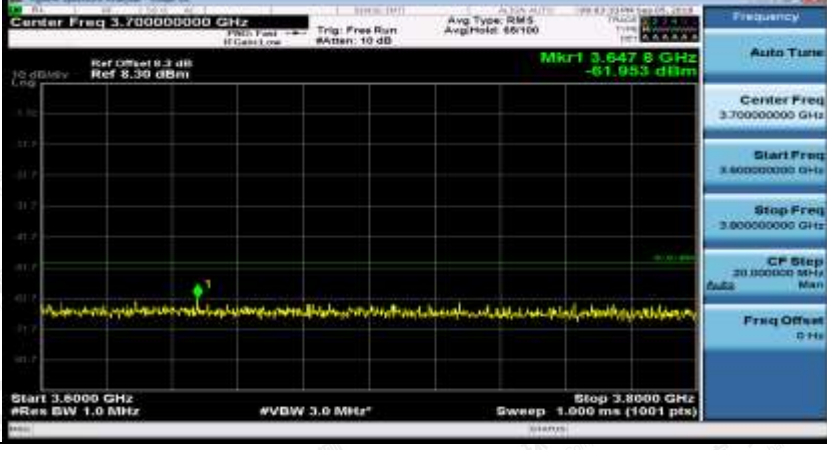
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	

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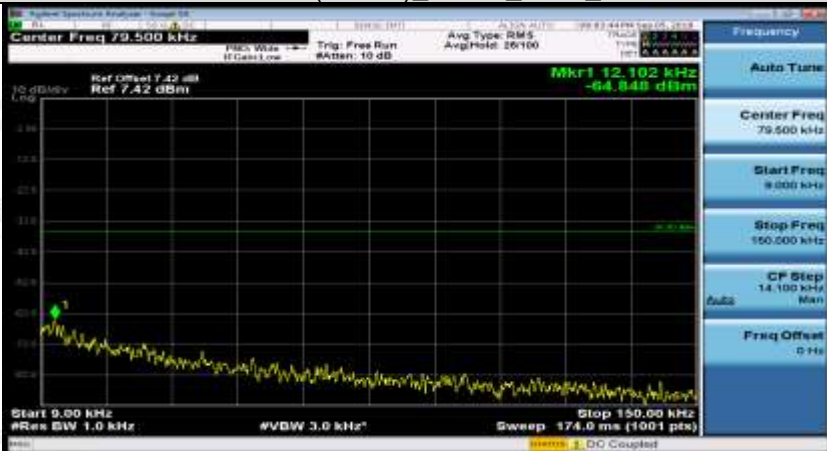
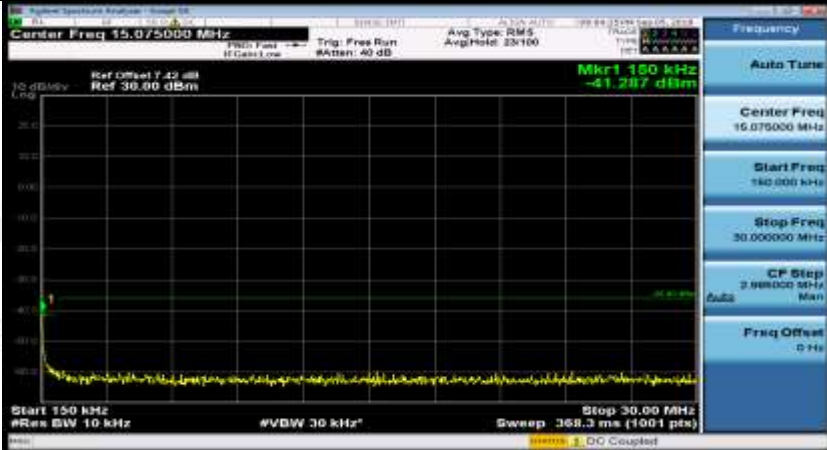
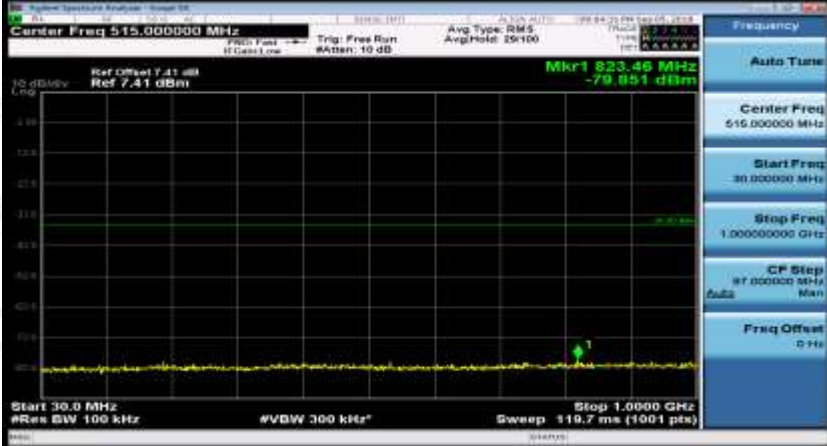
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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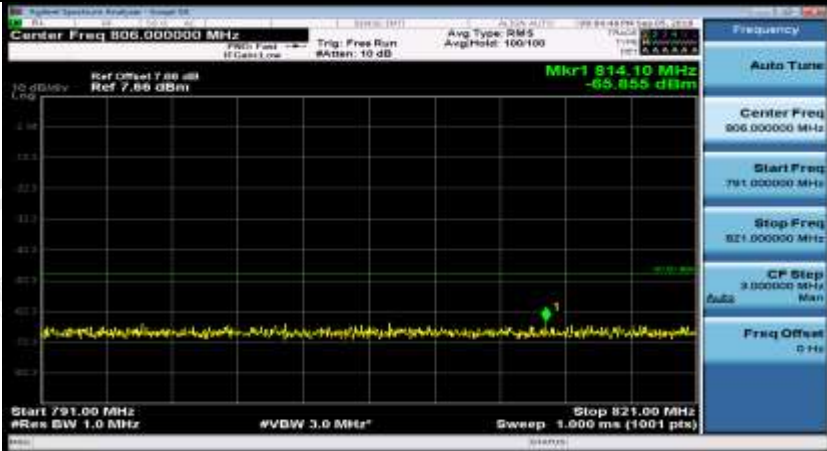
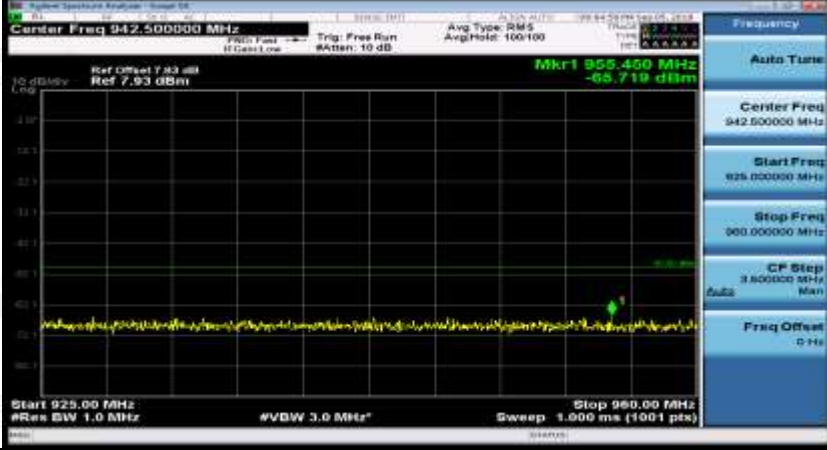
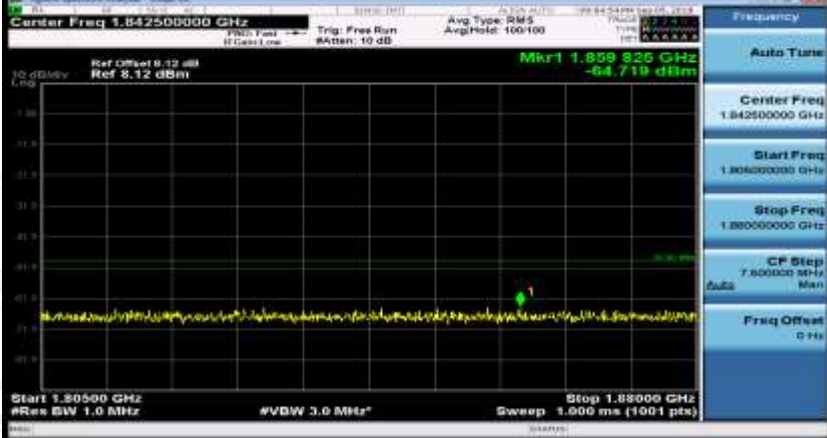
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

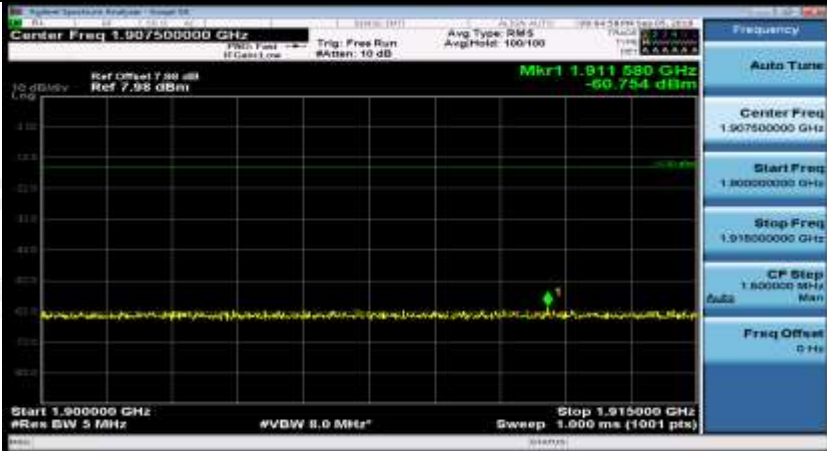
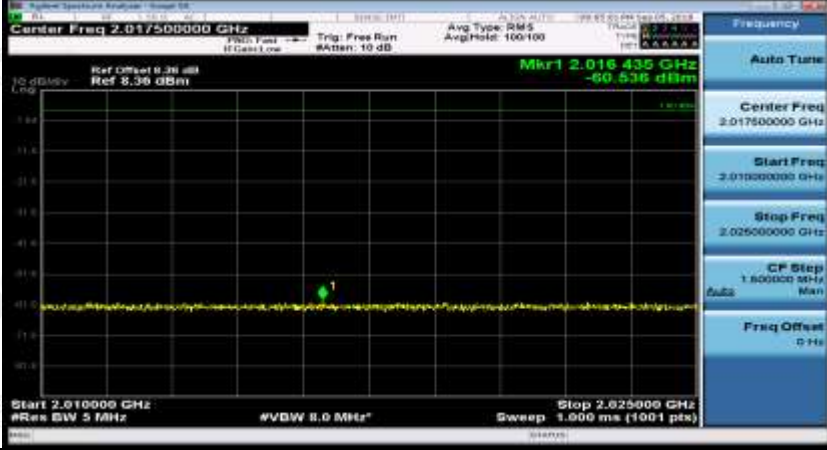
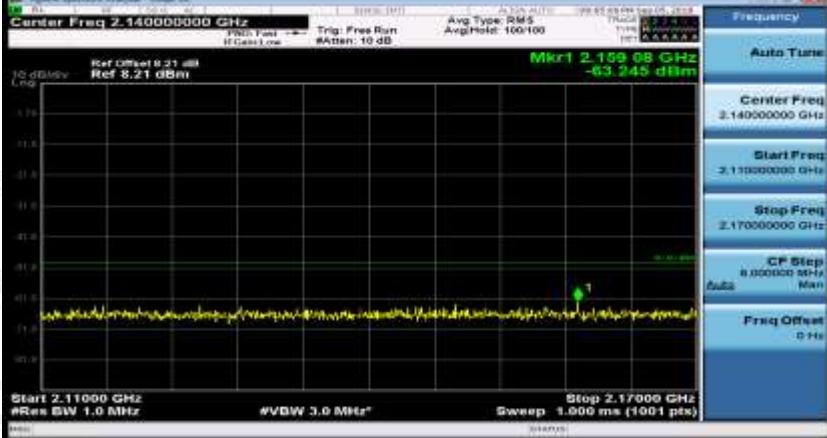
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General			
General			
General			

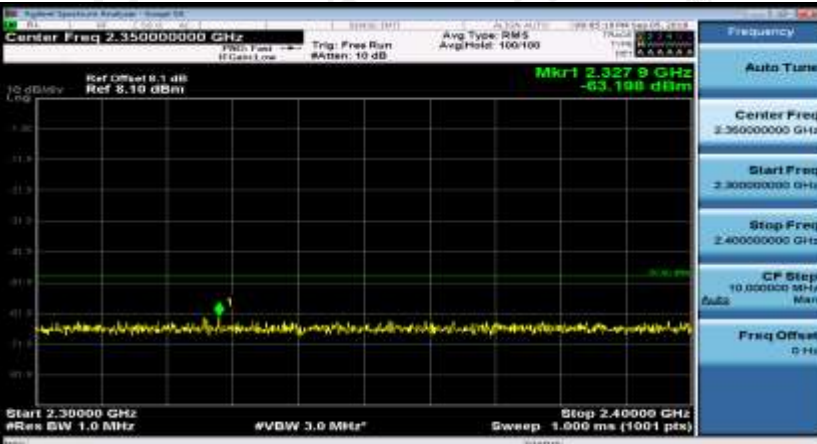
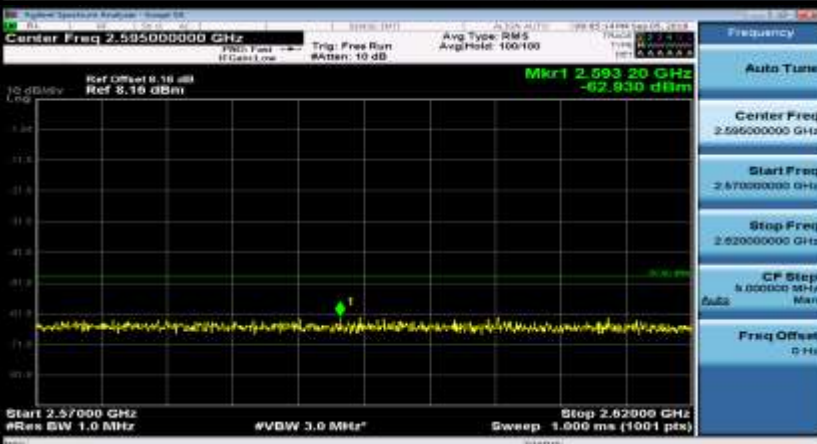
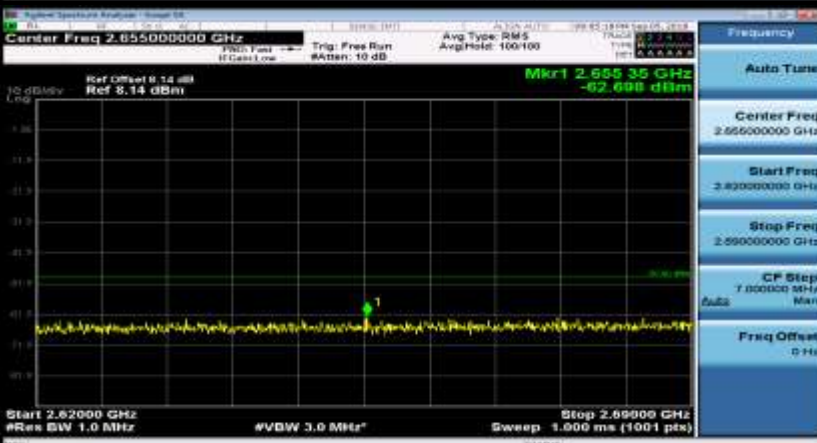
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Co-existence	
Co-existence	
Co-existence	

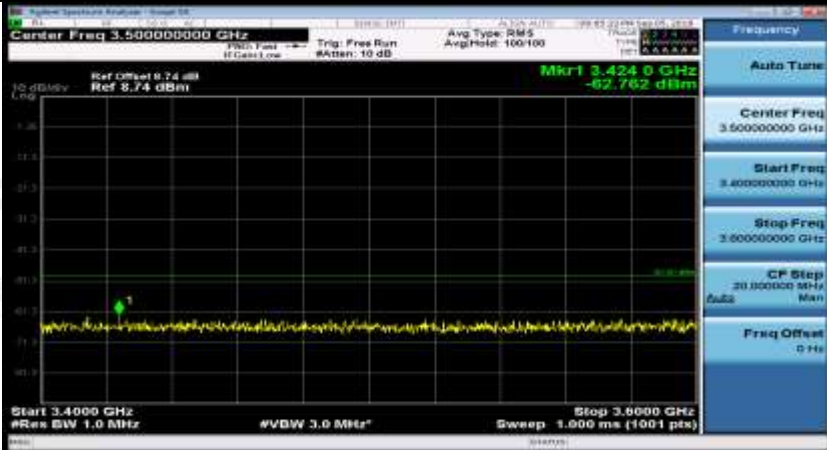
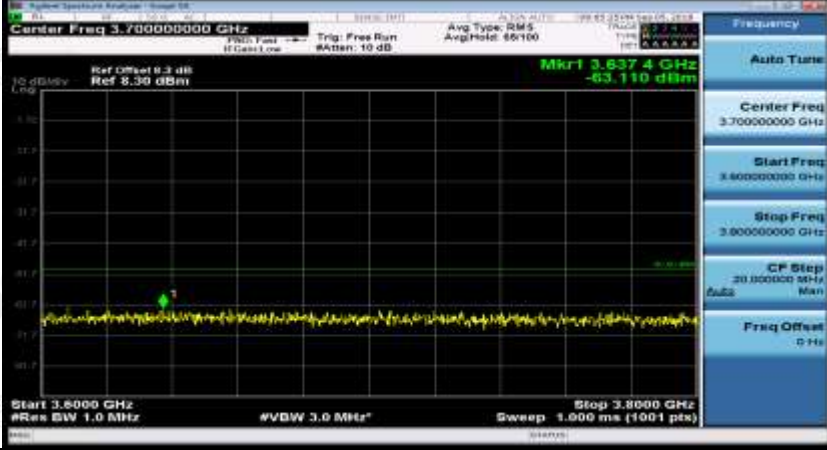
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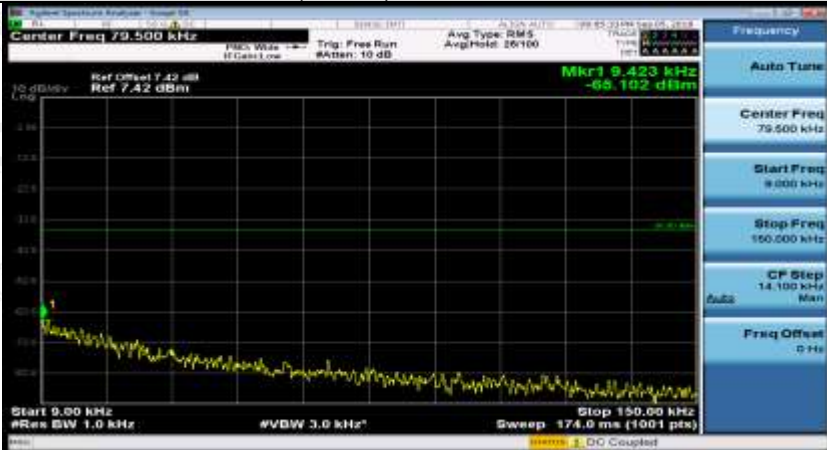
Co-existence	
Co-existence	
Co-existence	

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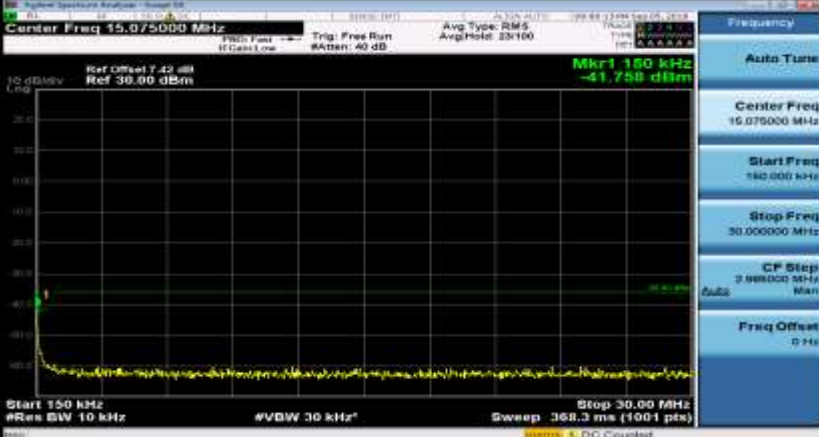
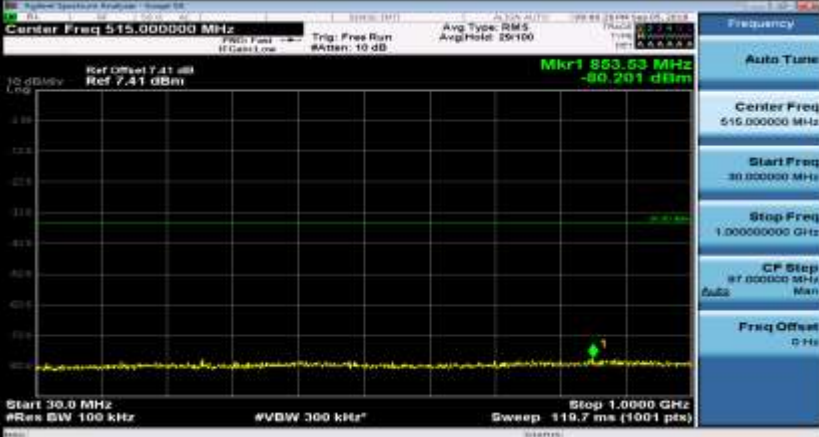
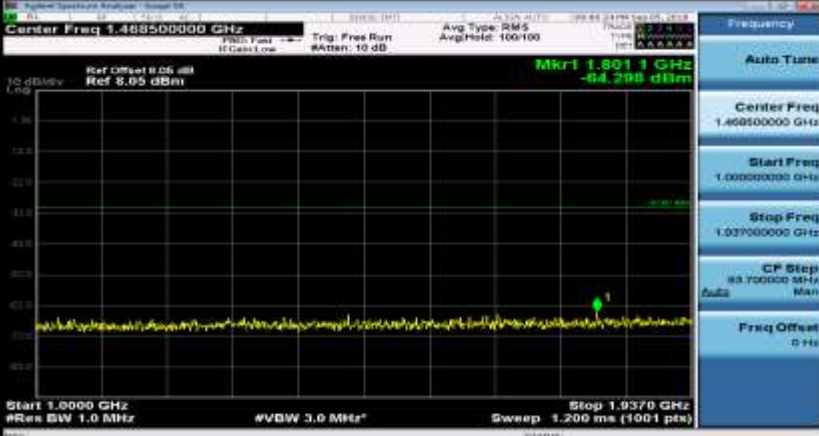
Co-existence			
Co-existence			
Co-existence			

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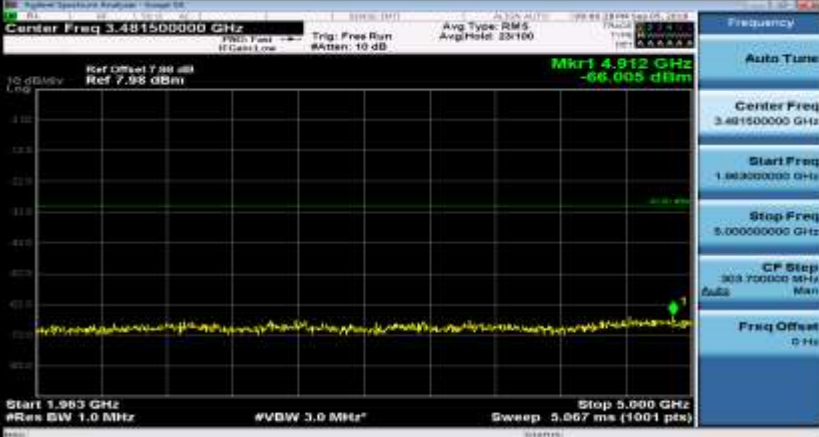


Co-existence	
Co-existence	
Additional	NA

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

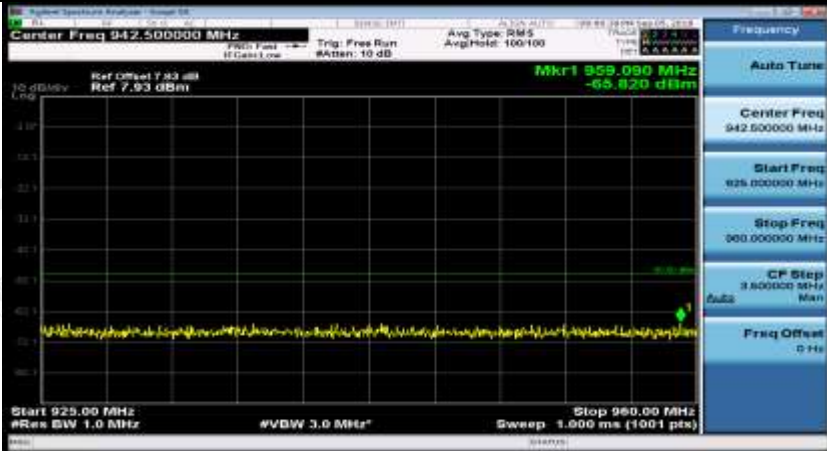
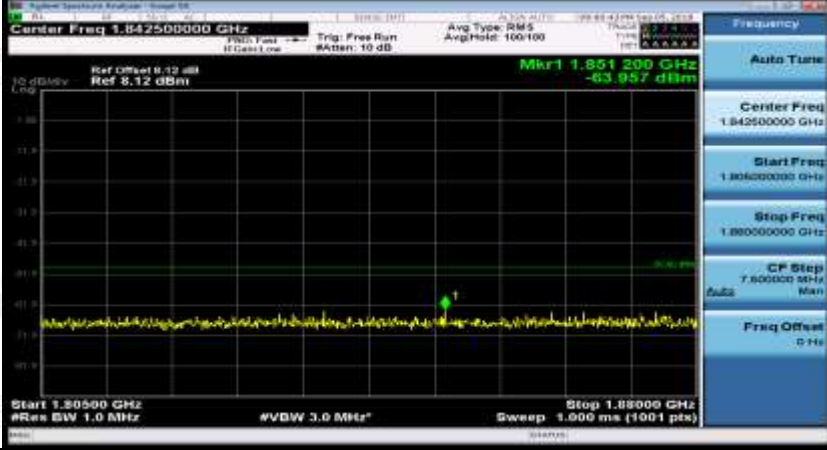
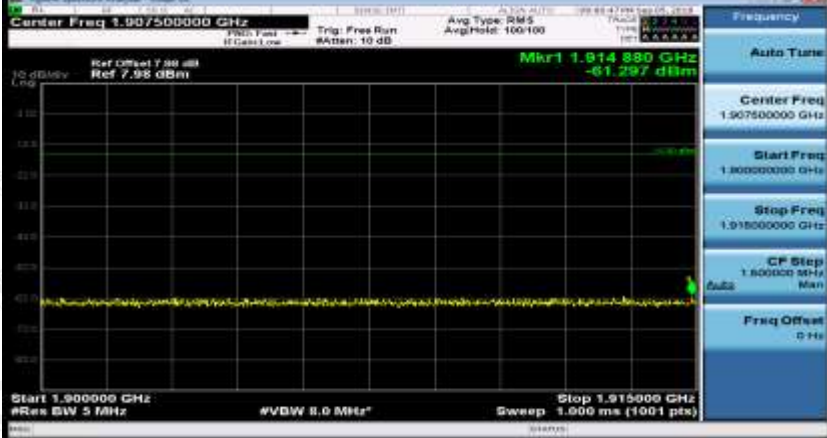
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General			
General			
General			

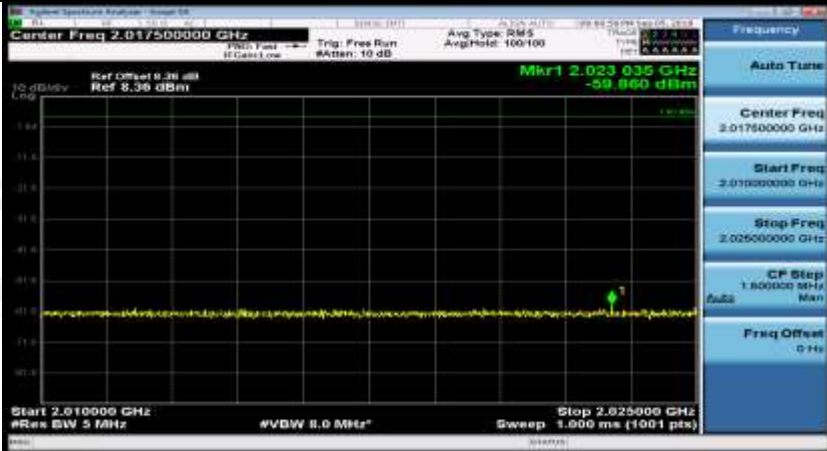

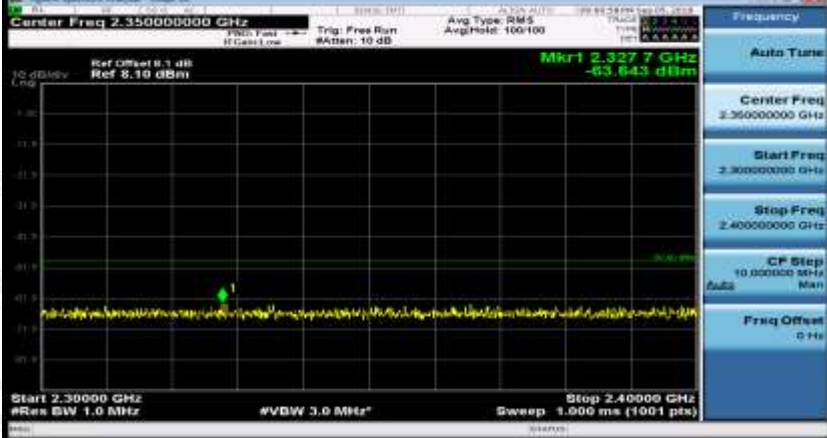
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General			
General			
Co-existence			

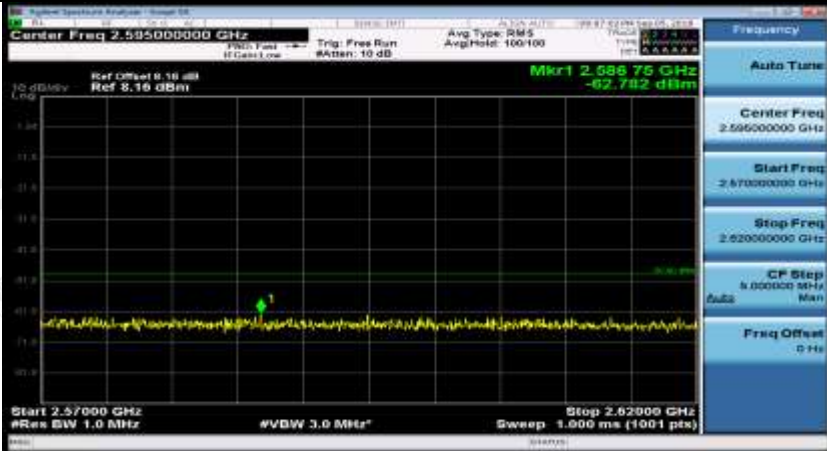
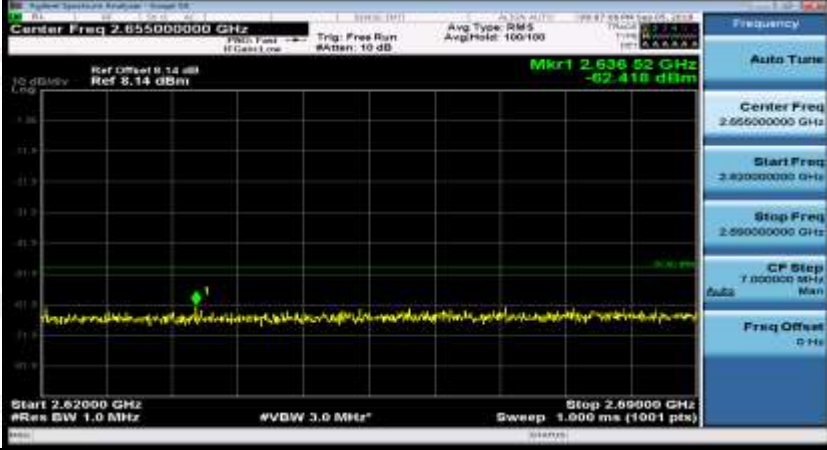
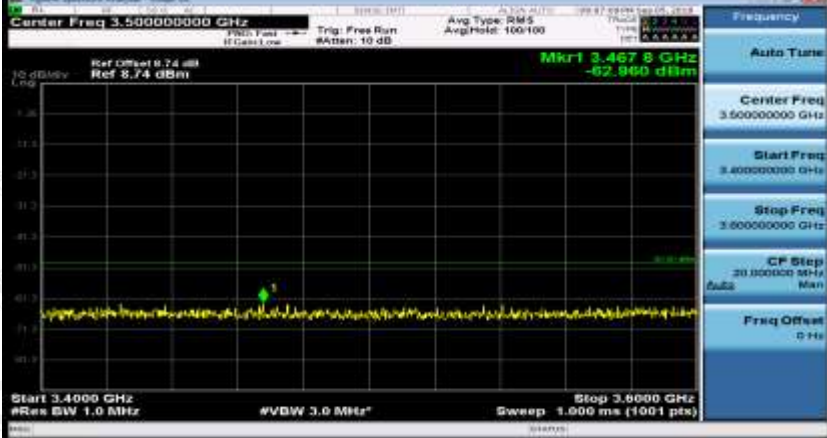
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Co-existence	
Co-existence	
Co-existence	

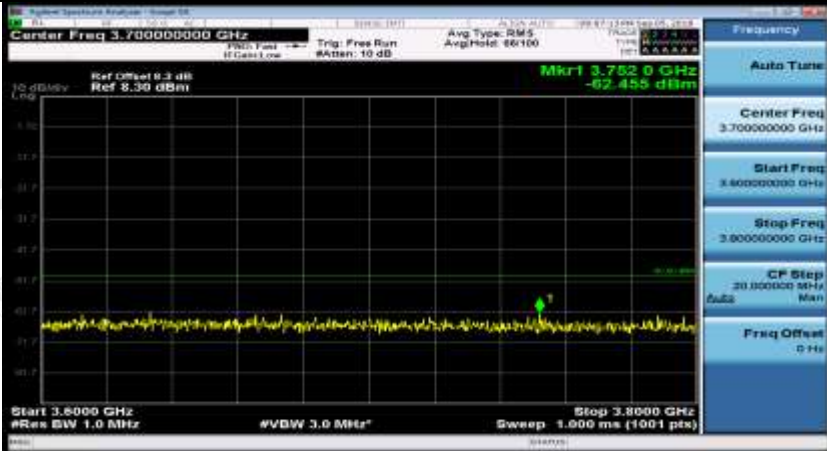
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Co-existence	
Co-existence	
Co-existence	

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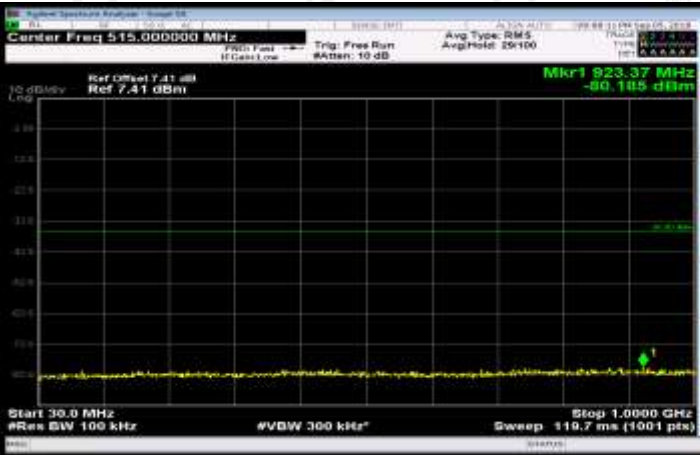
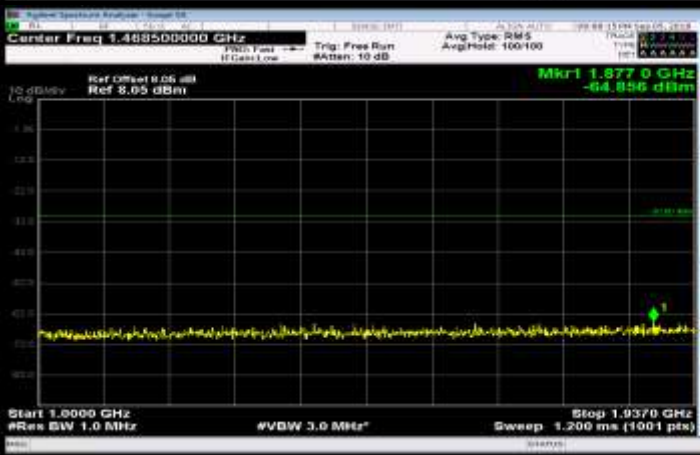

Co-existence	
Co-existence	
Co-existence	

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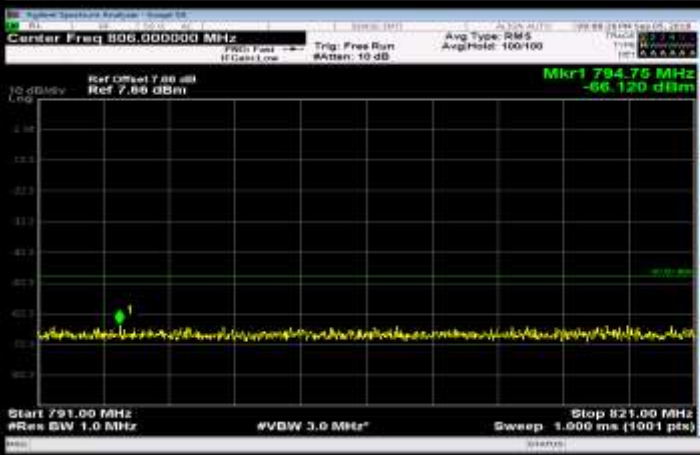
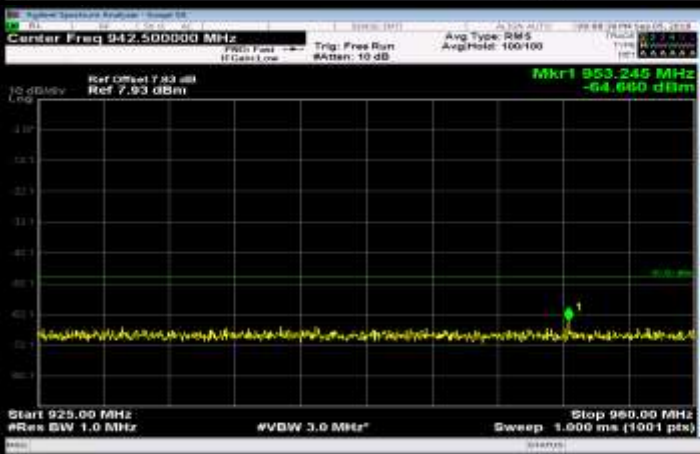
Co-existence	
Additional	NA

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

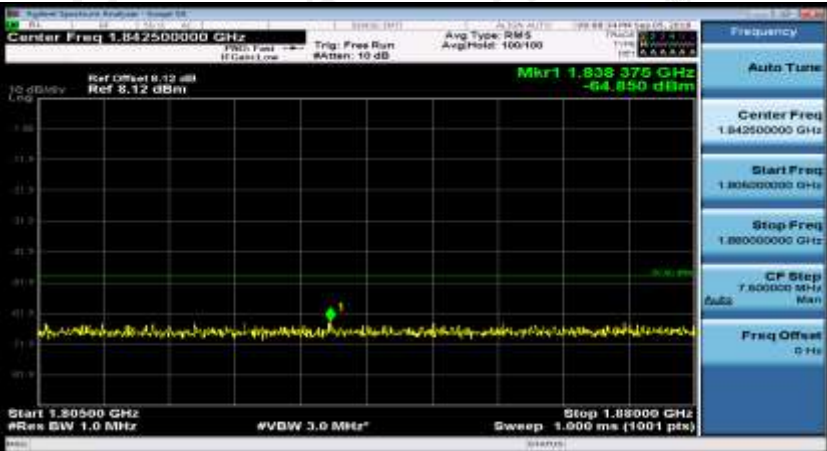
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General		
General		
General		

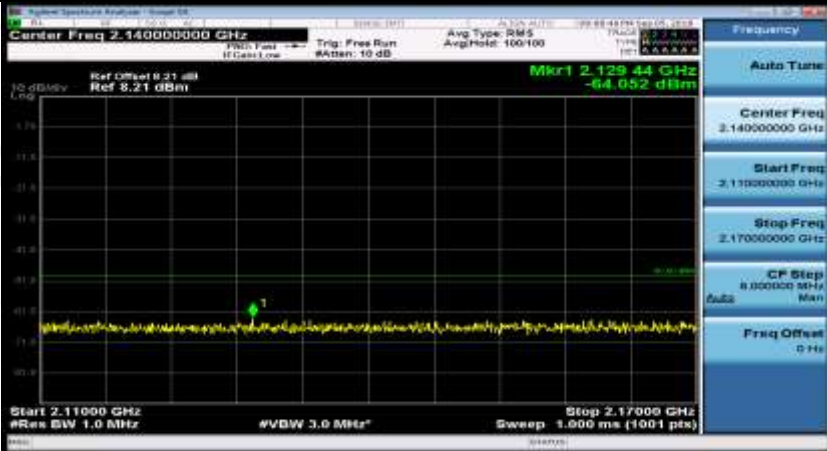
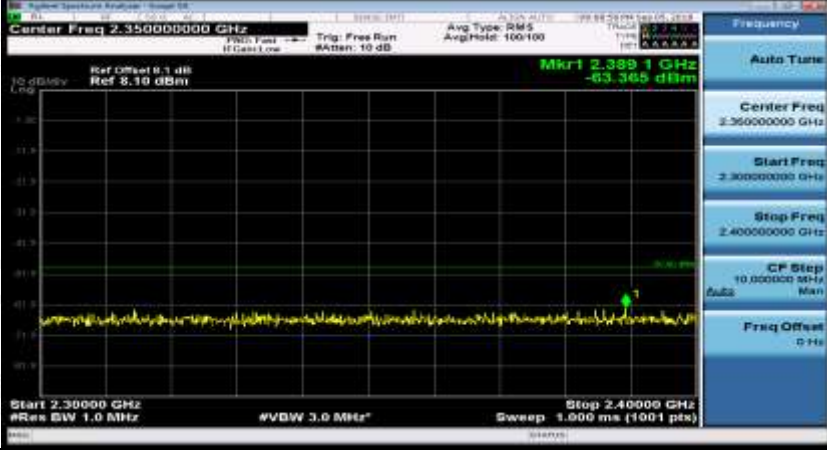

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General		
Co-existence		
Co-existence		

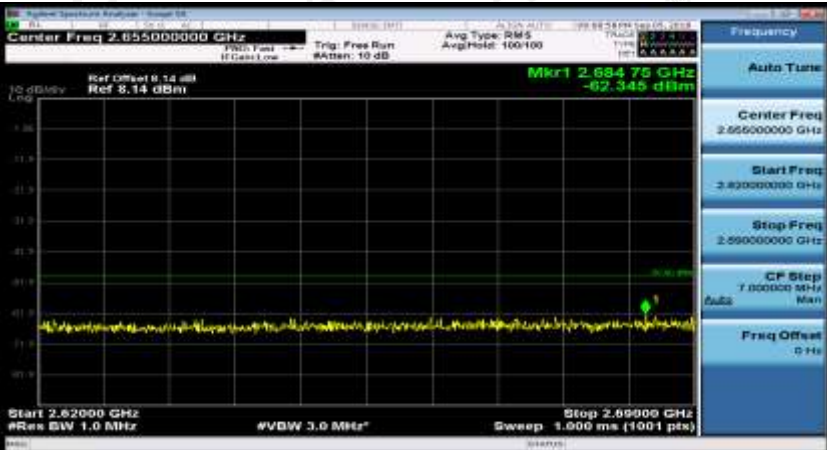
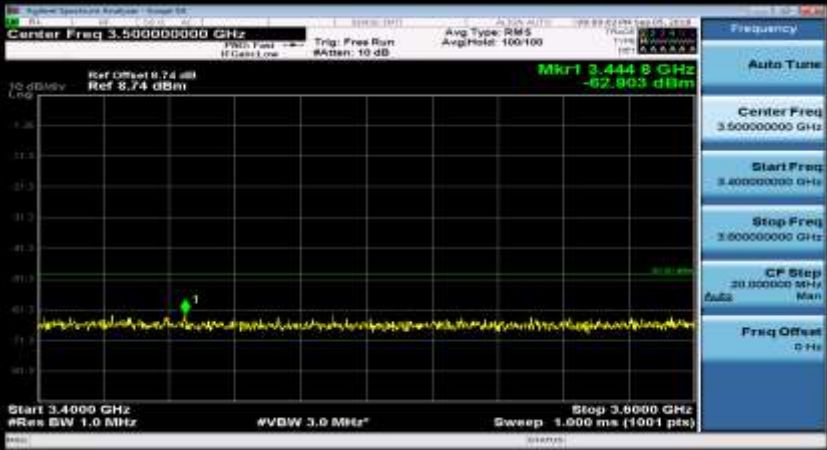

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

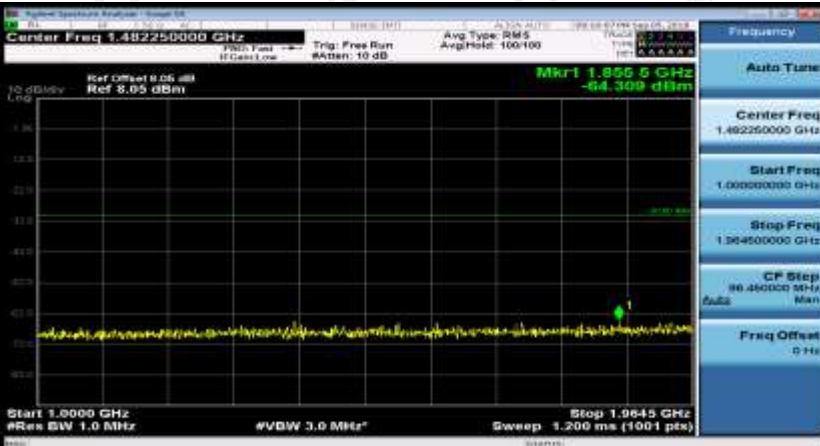
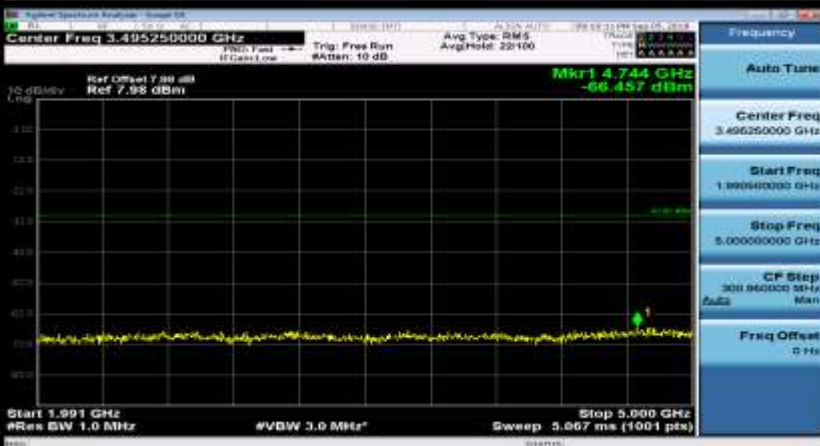
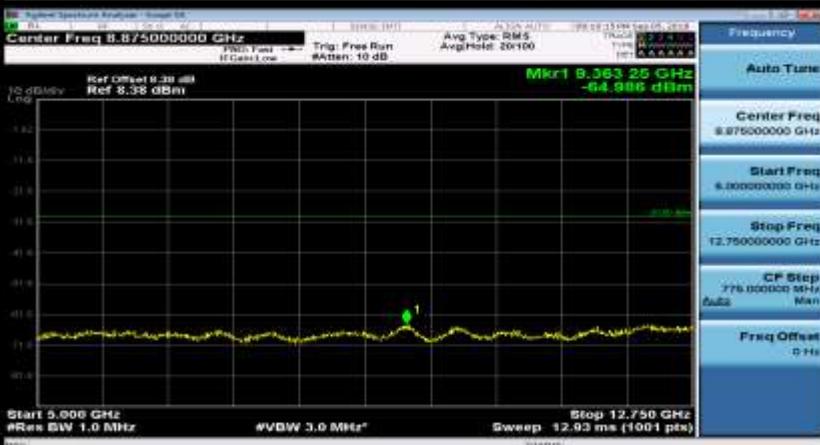
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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

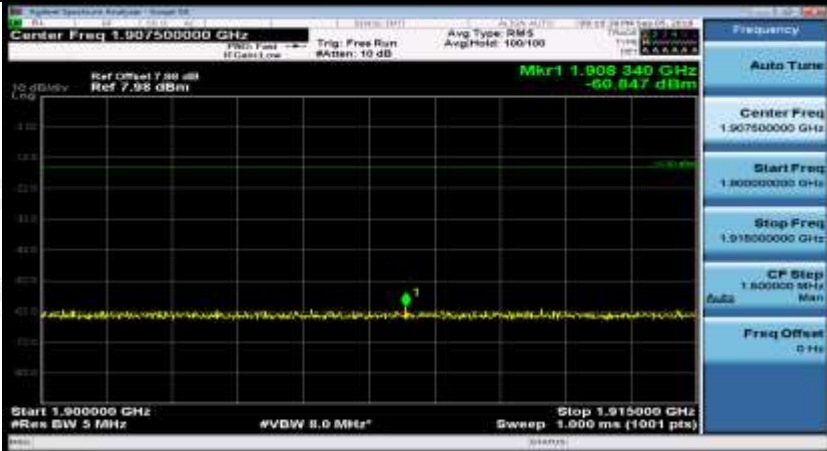
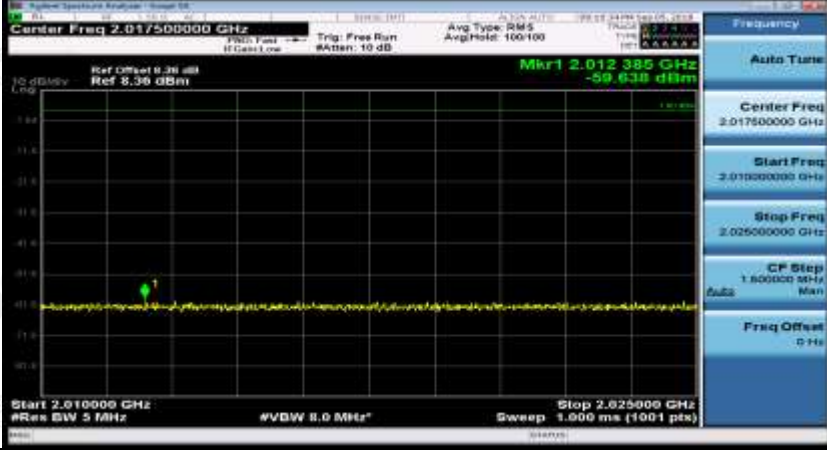
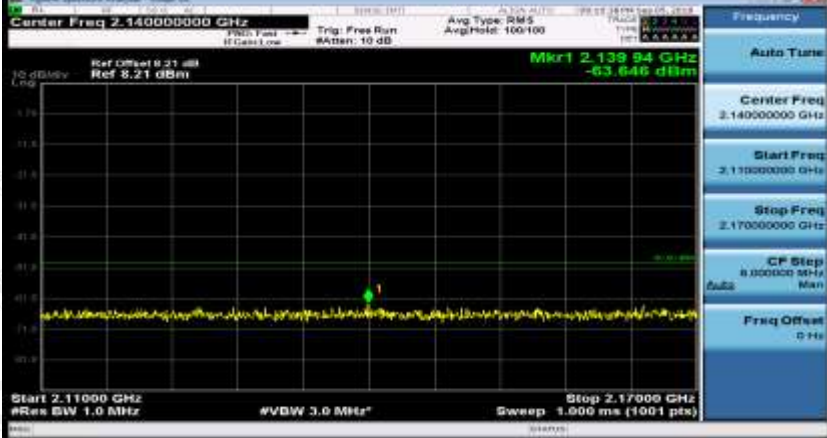
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General			
General			
General			

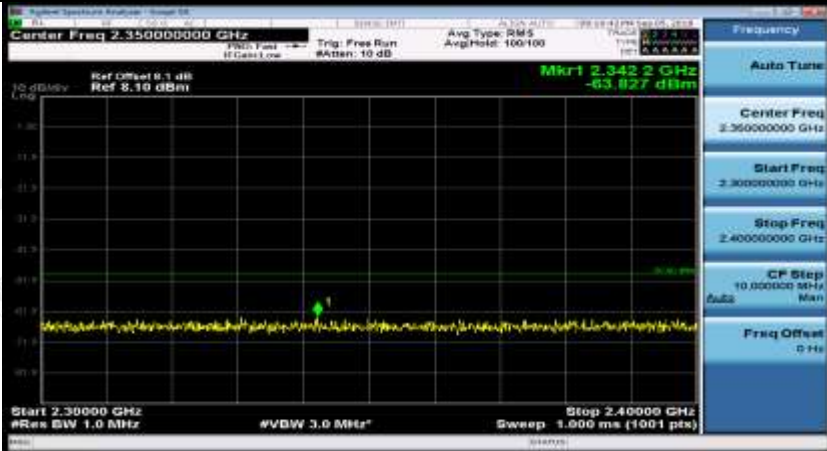
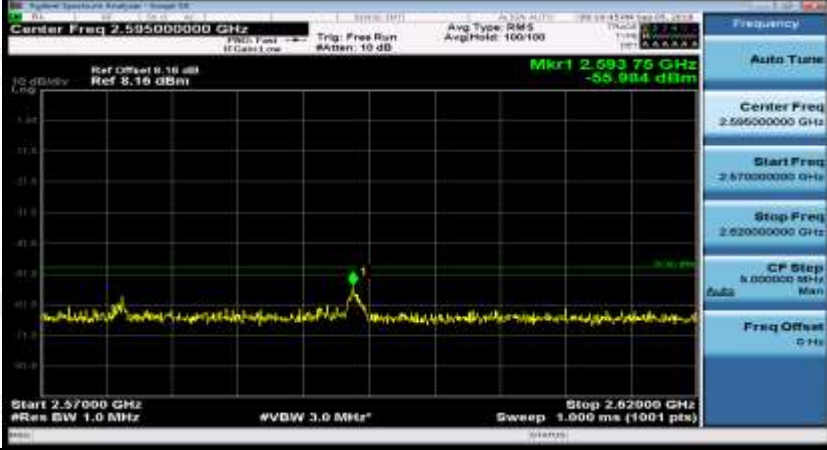
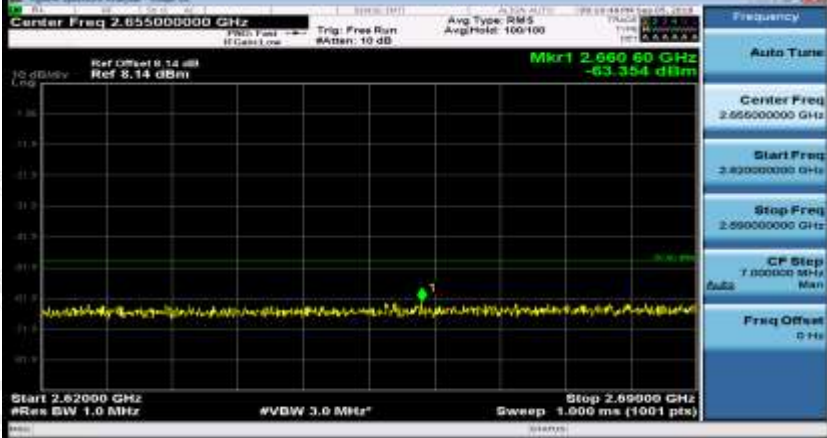
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Co-existence	
Co-existence	
Co-existence	

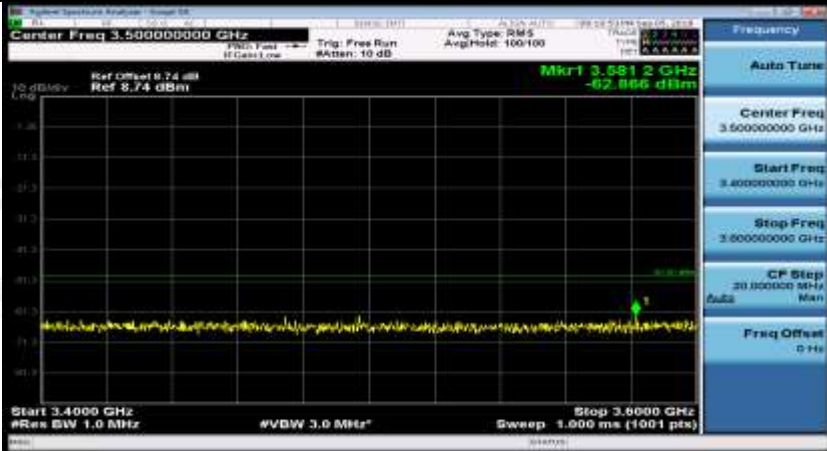
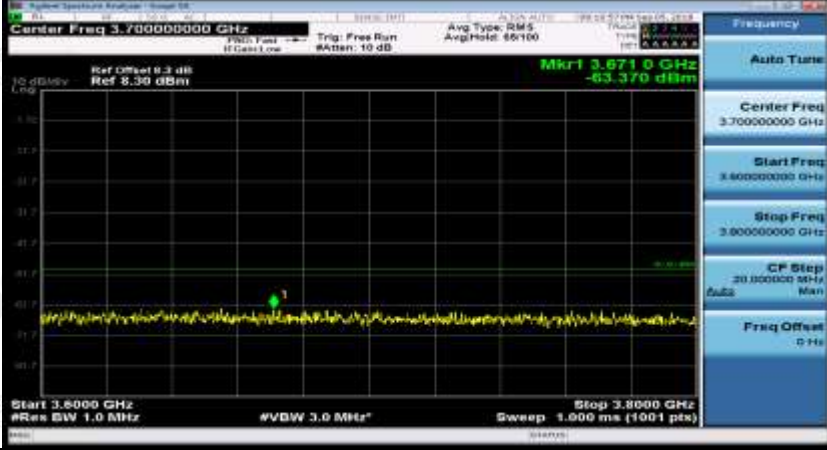
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Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA



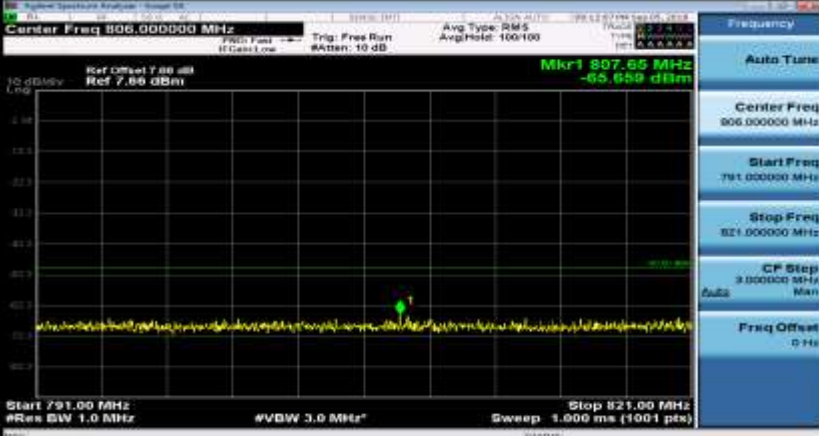
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max

General	
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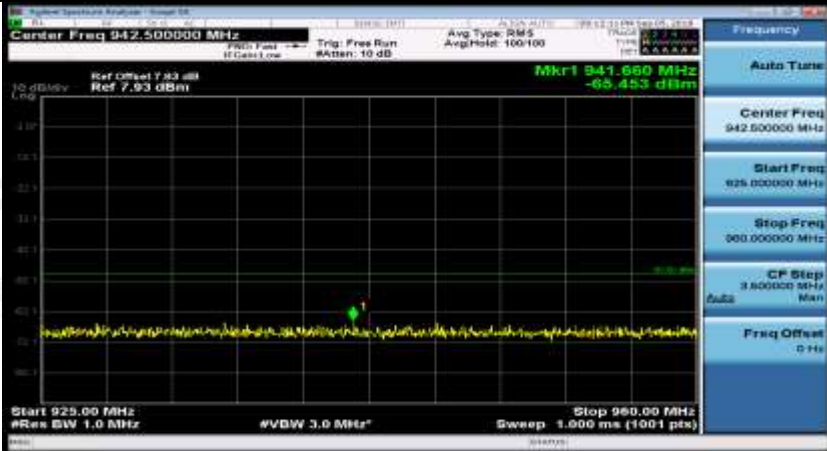
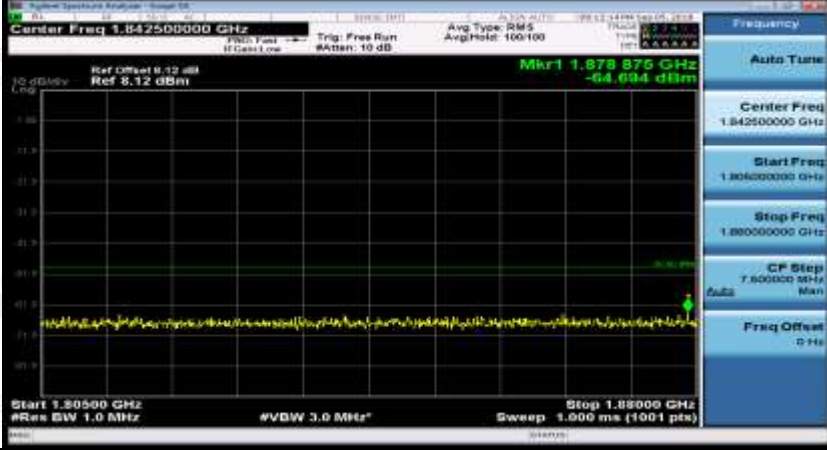

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General			
General			
General			

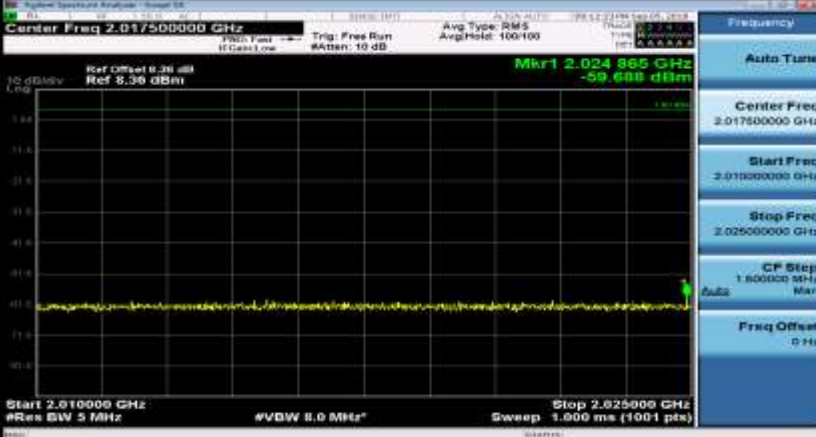
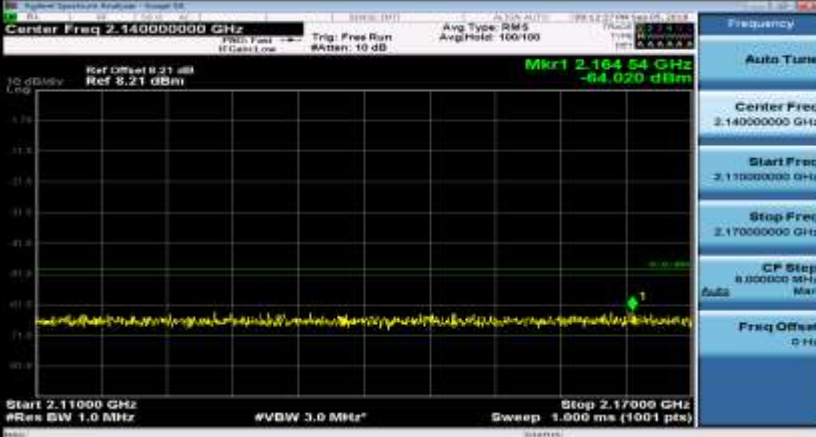

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General			
General			
Co-existence			

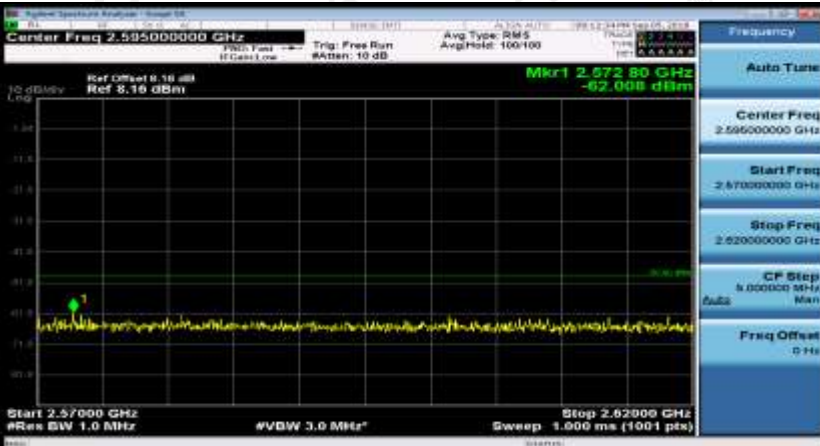
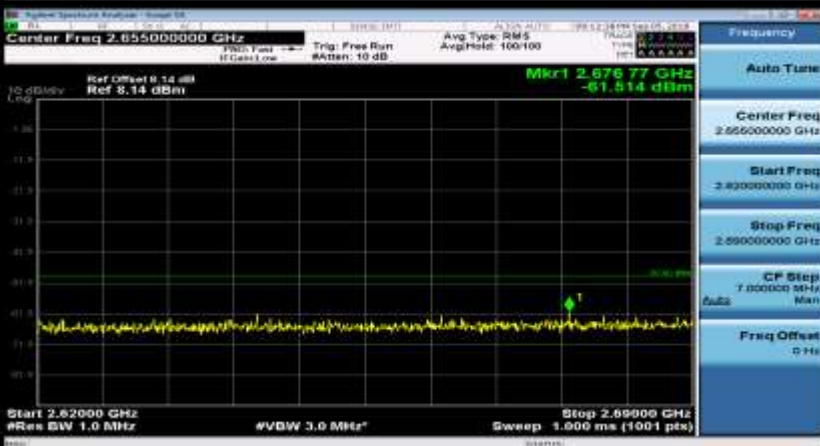

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Co-existence	
Co-existence	
Co-existence	

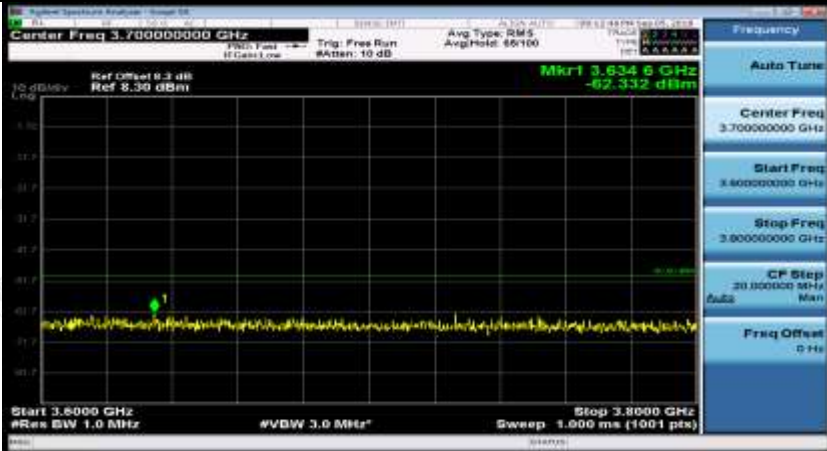
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence			
Co-existence			
Co-existence			

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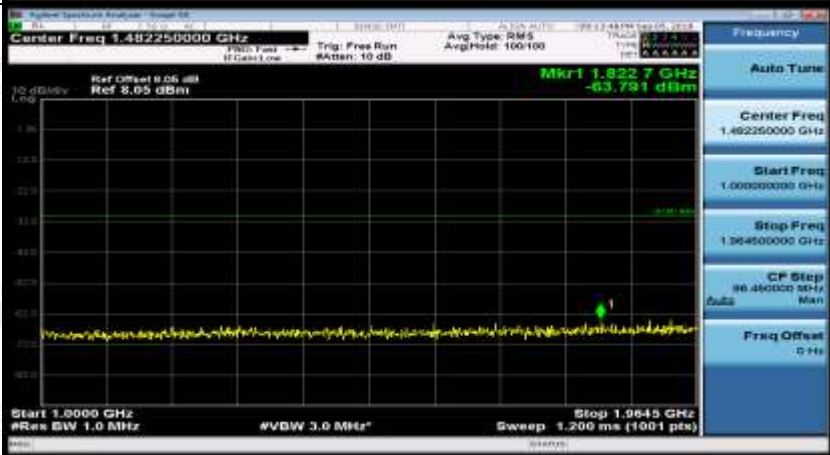

Co-existence			
Co-existence			
Co-existence			

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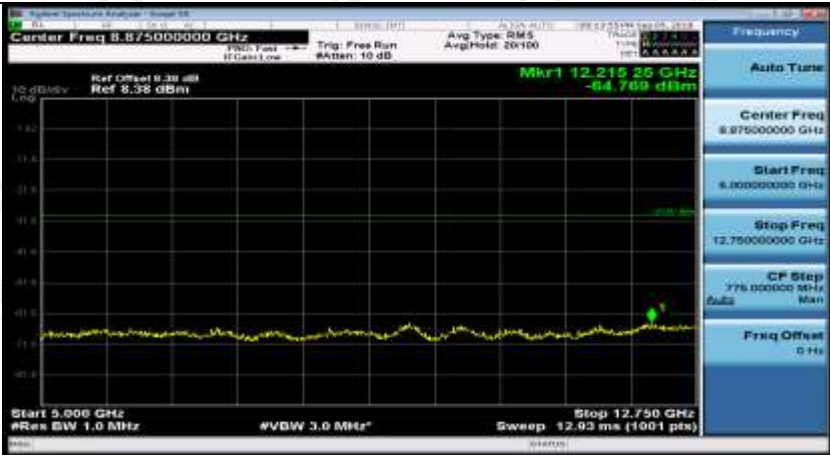
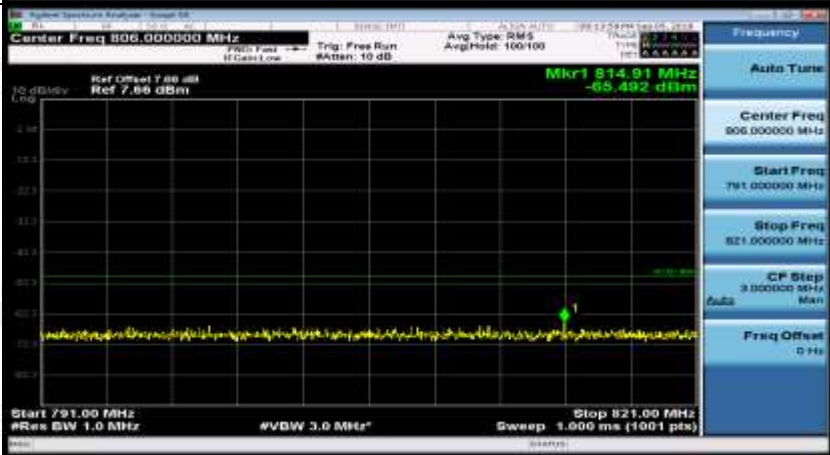
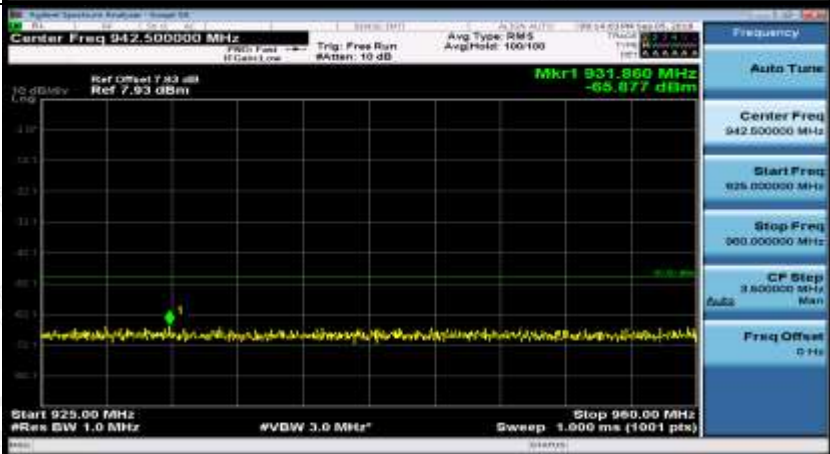
Co-existence	
Additional	NA

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

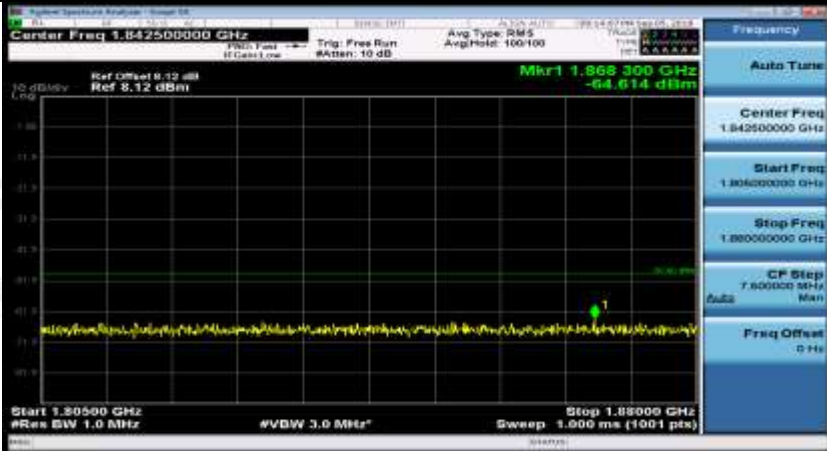
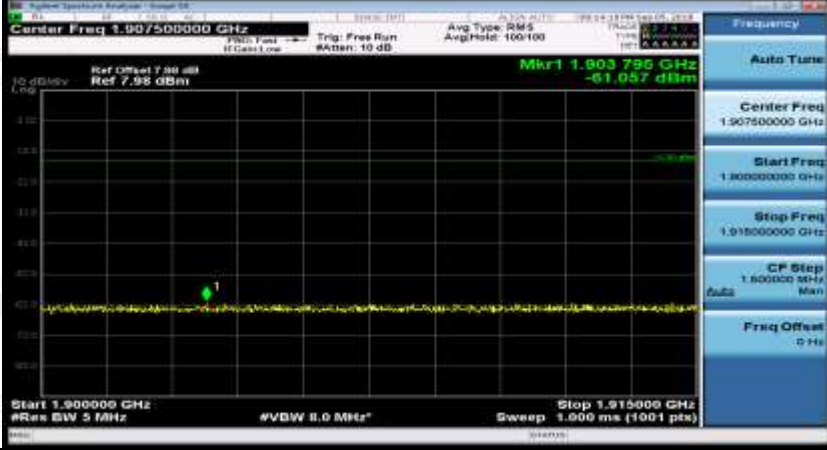

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General		
General		
General		

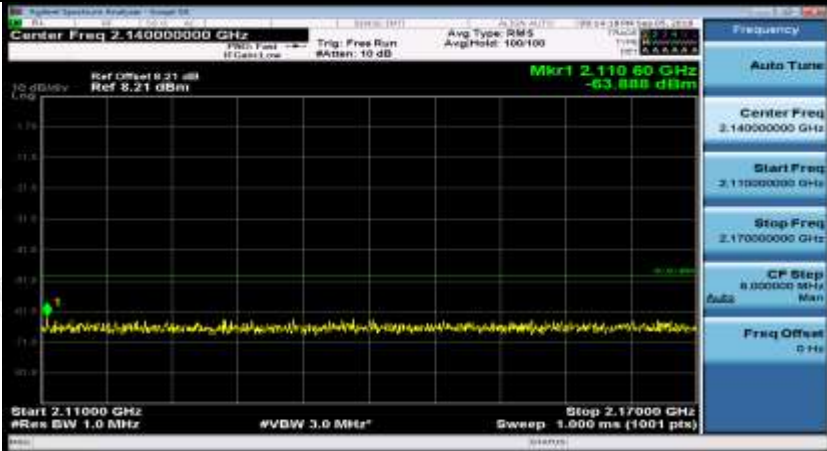
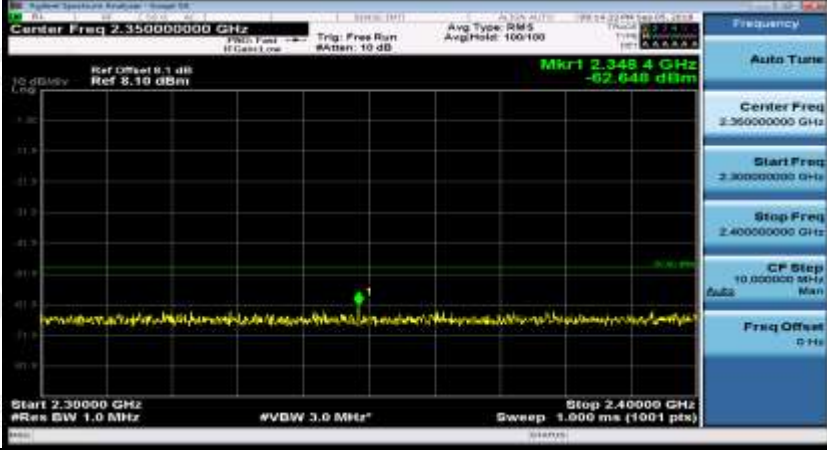

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General		
Co-existence		
Co-existence		

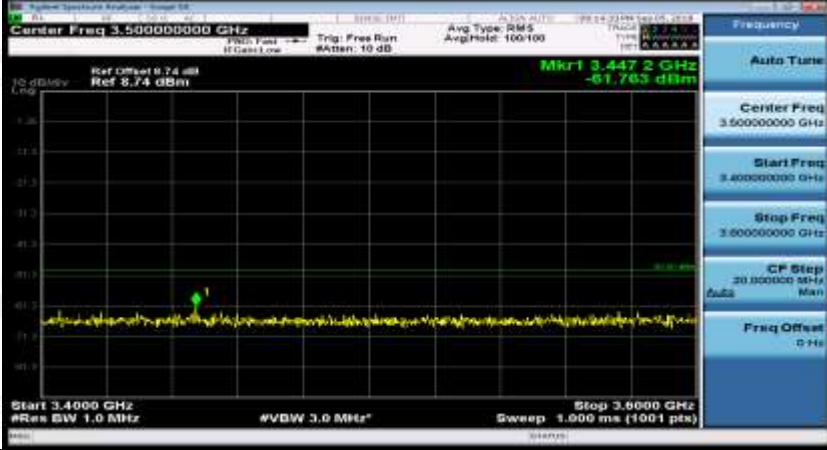
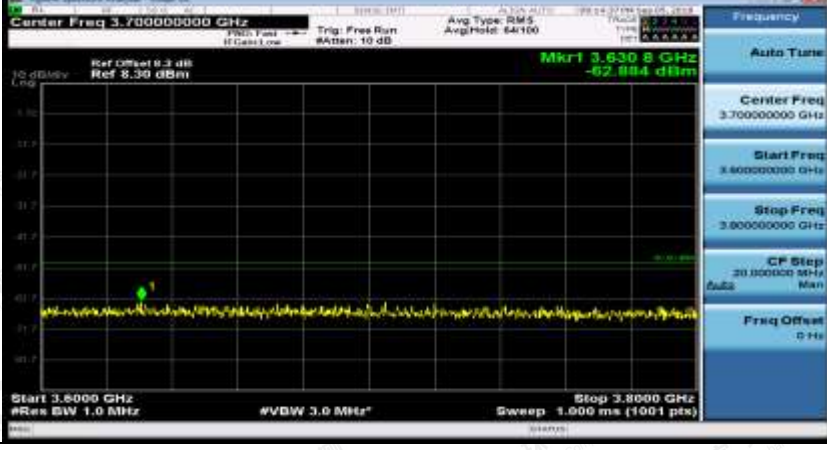
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Co-existence	
Co-existence	
Co-existence	

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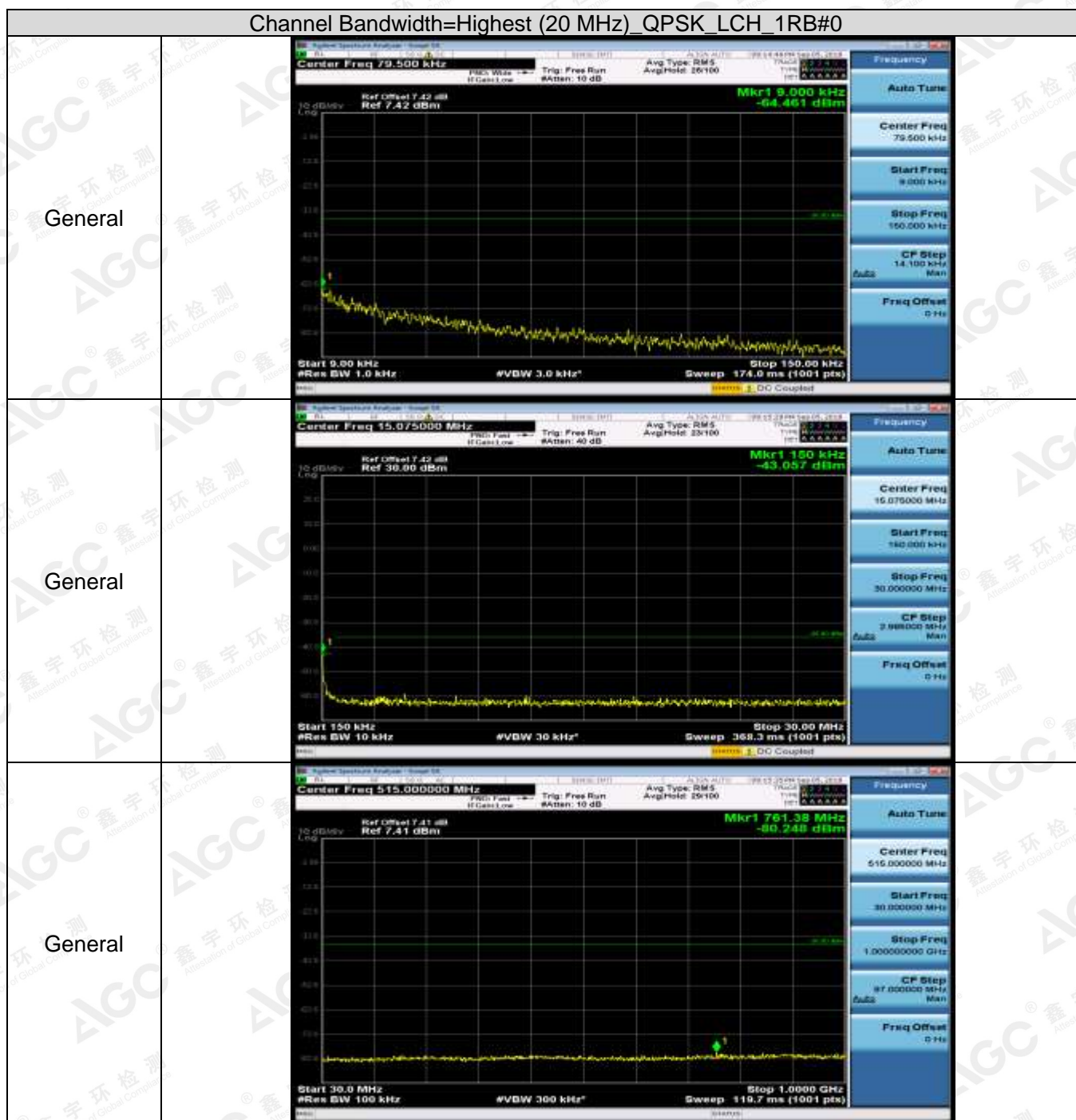
Co-existence	
Co-existence	
Co-existence	

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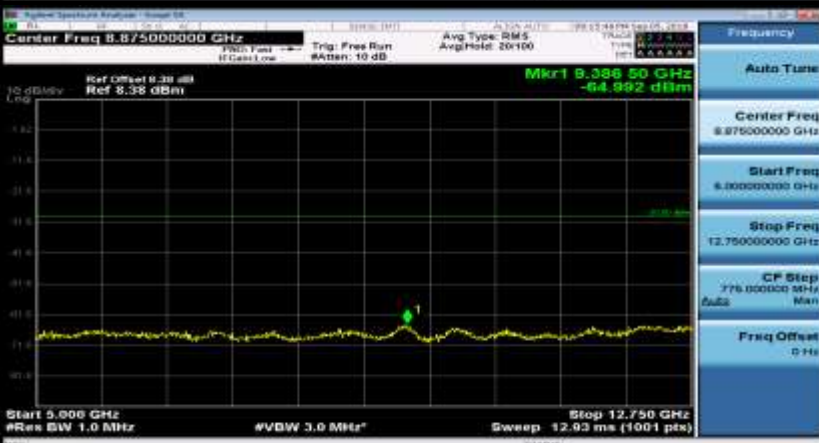
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth= (20 MHz)



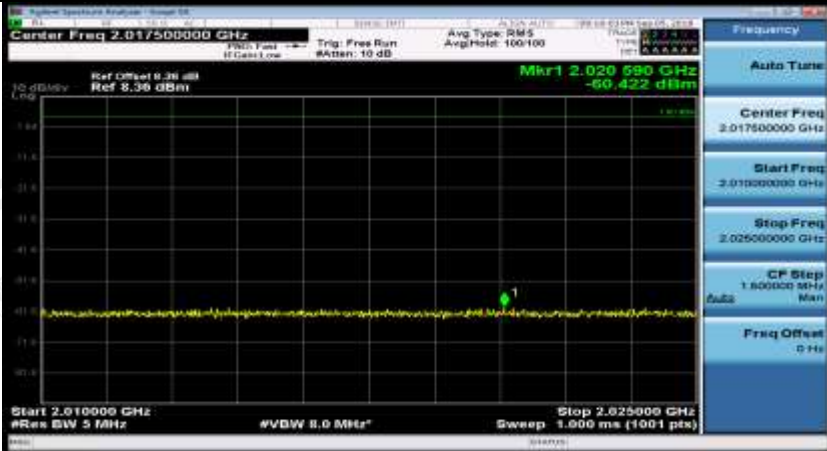
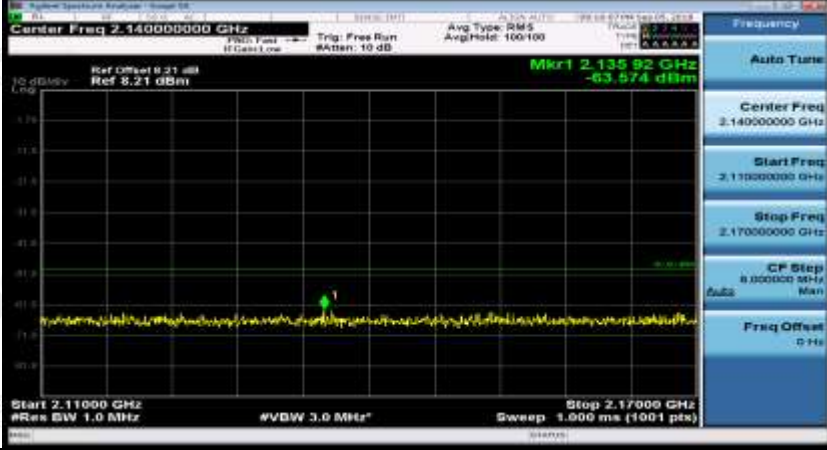
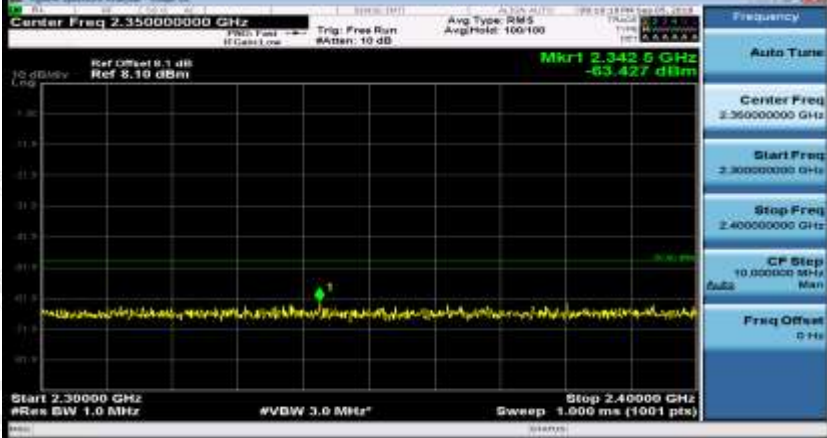
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General			
General			
General			

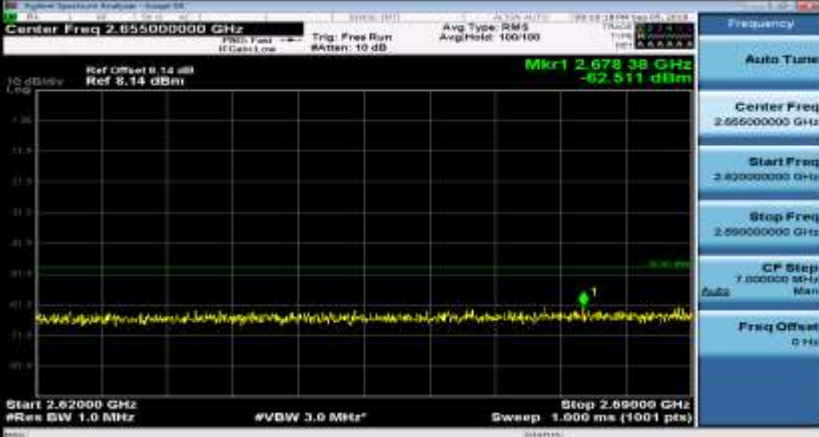

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Co-existence	
Co-existence	
Co-existence	

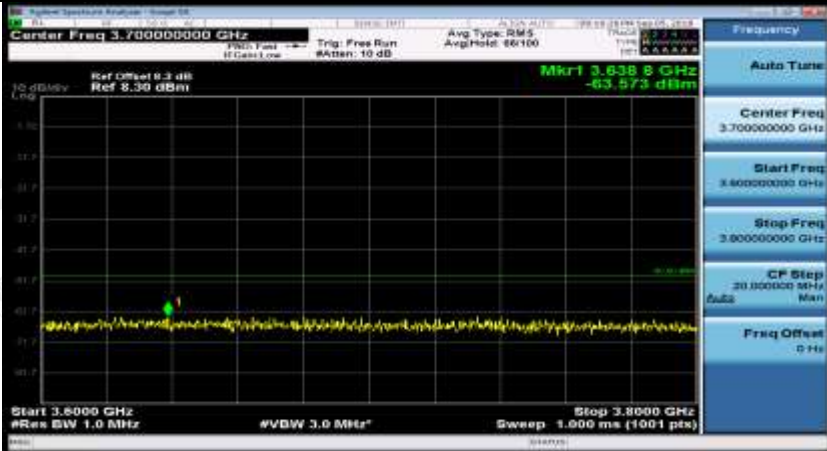
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Co-existence	
Co-existence	
Co-existence	

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Co-existence			
Co-existence			
Co-existence			

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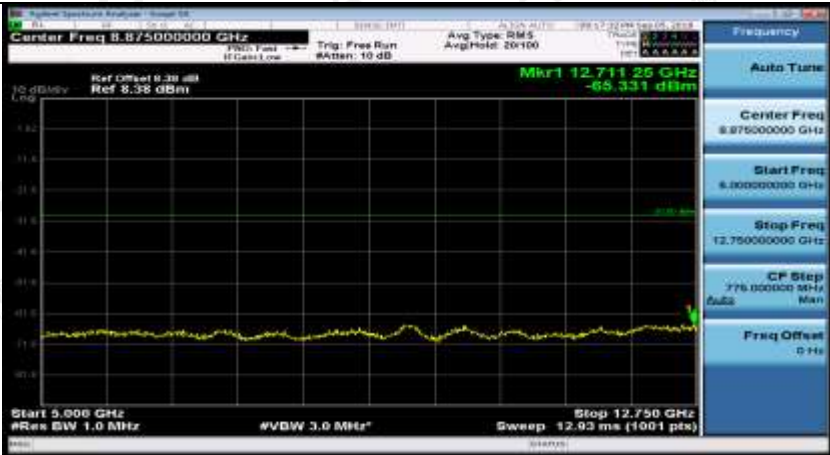
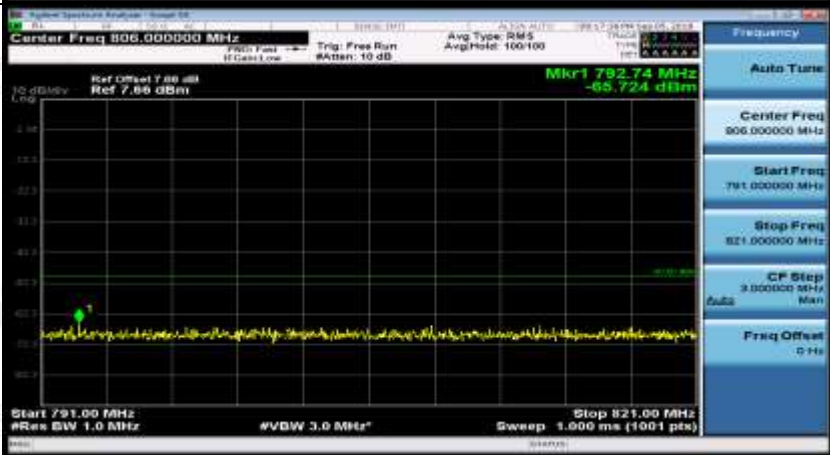
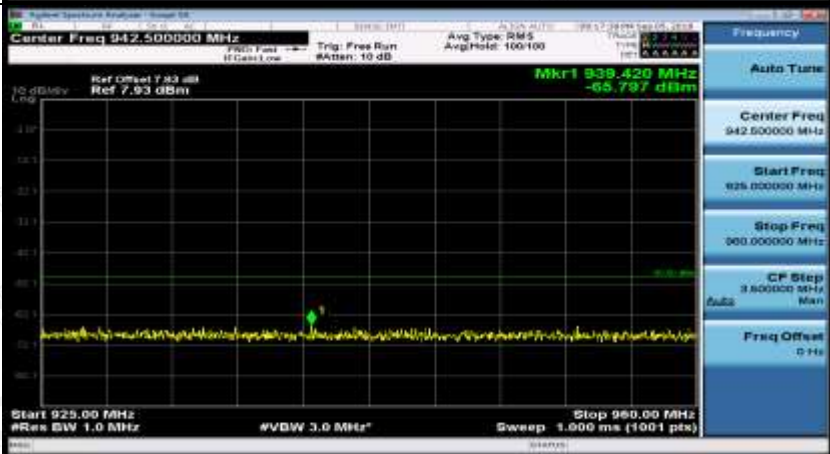
Co-existence	
Additional	NA

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

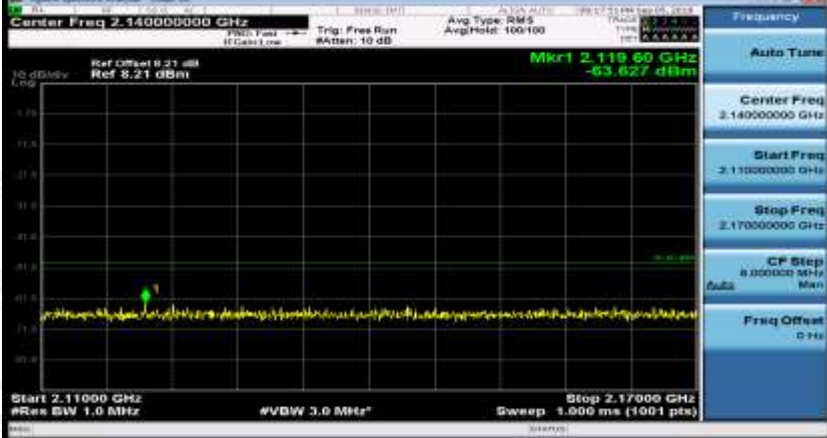
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General		
General		
General		

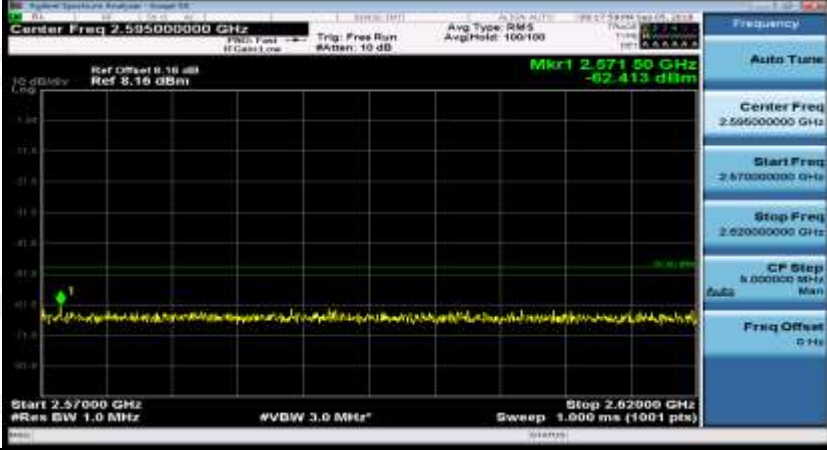
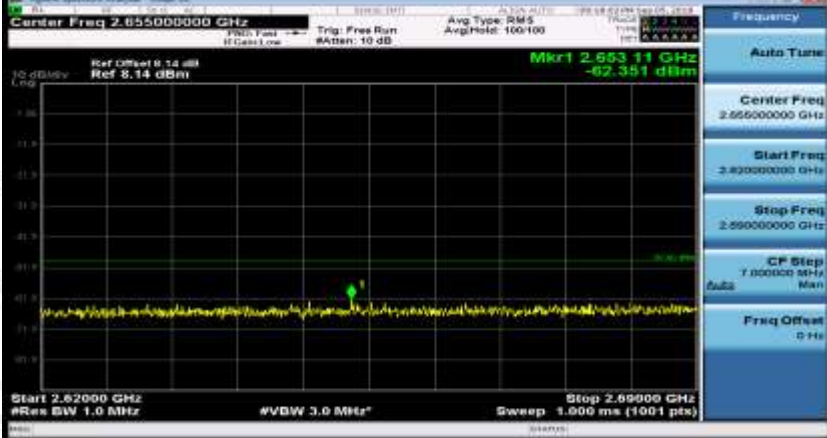
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General		
Co-existence		
Co-existence		

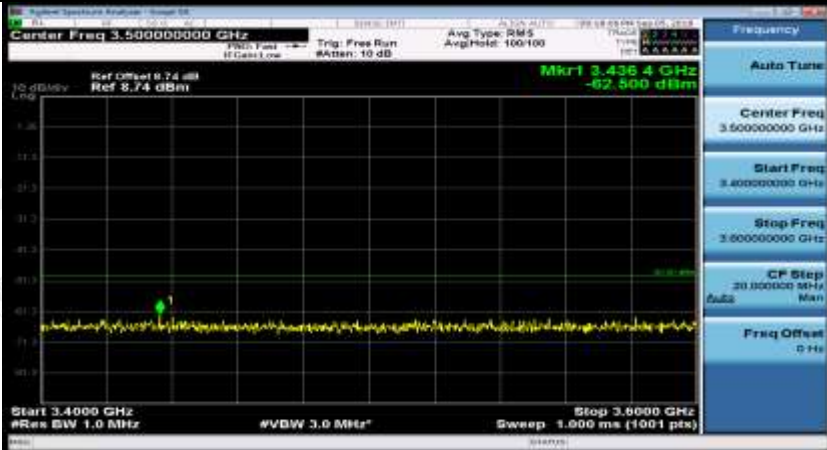
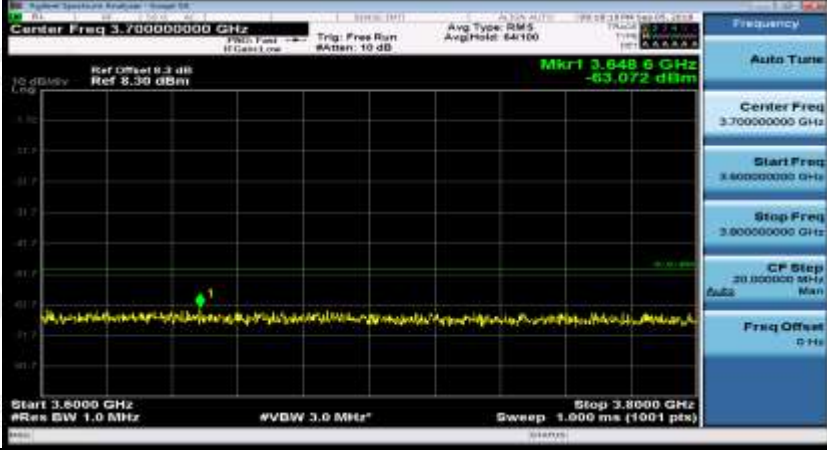
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Co-existence		
Co-existence		
Co-existence		

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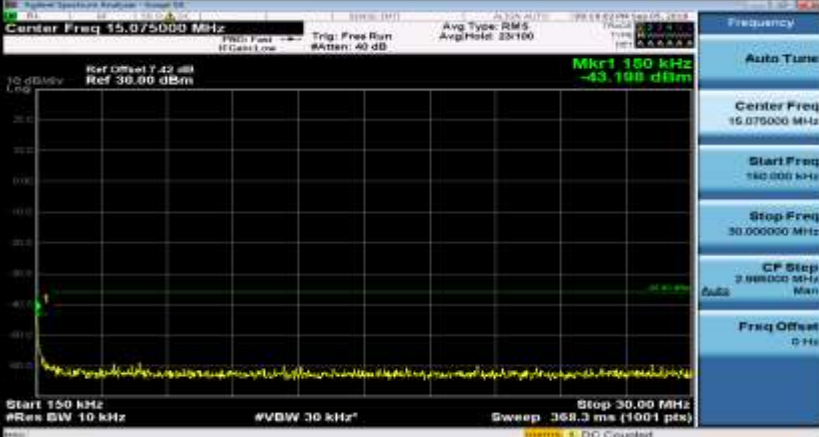
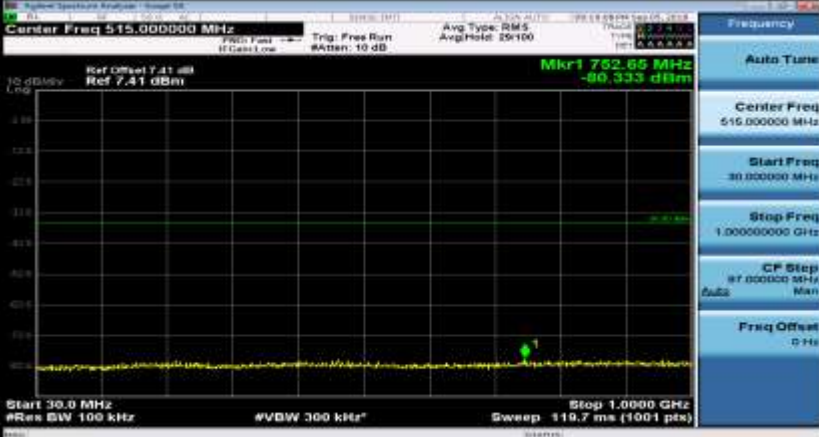
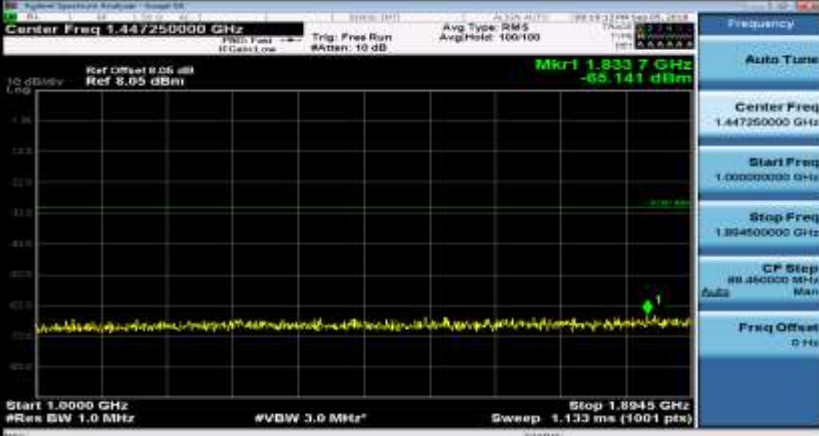
Co-existence	
Co-existence	
Co-existence	

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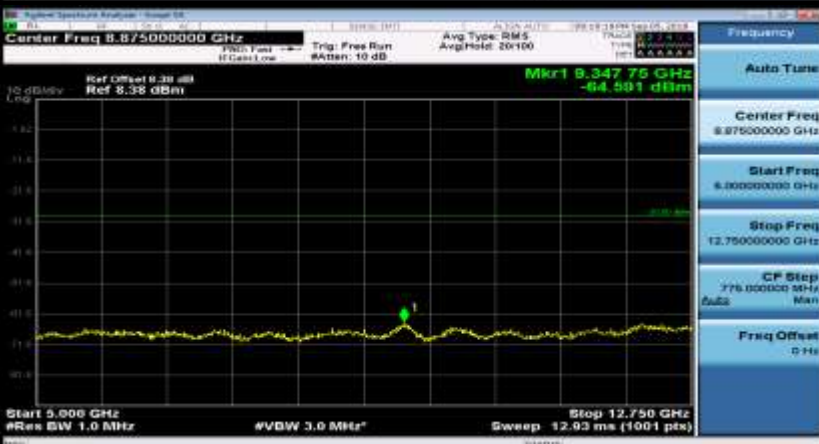

Co-existence		
Co-existence		
Additional	NA	

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

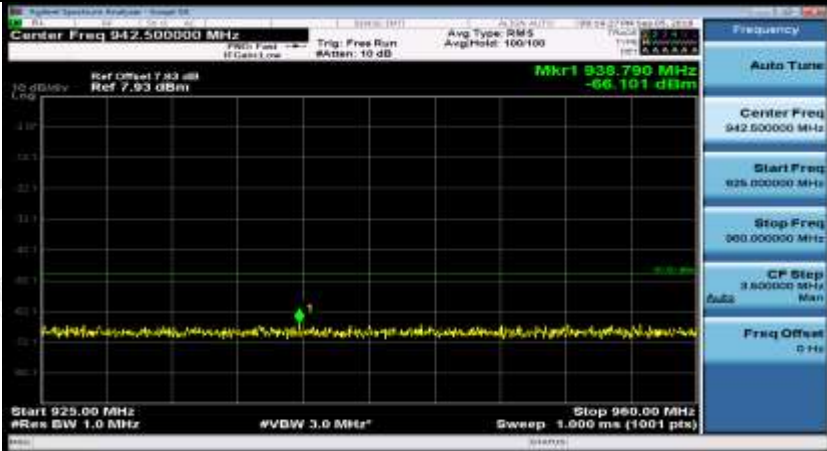
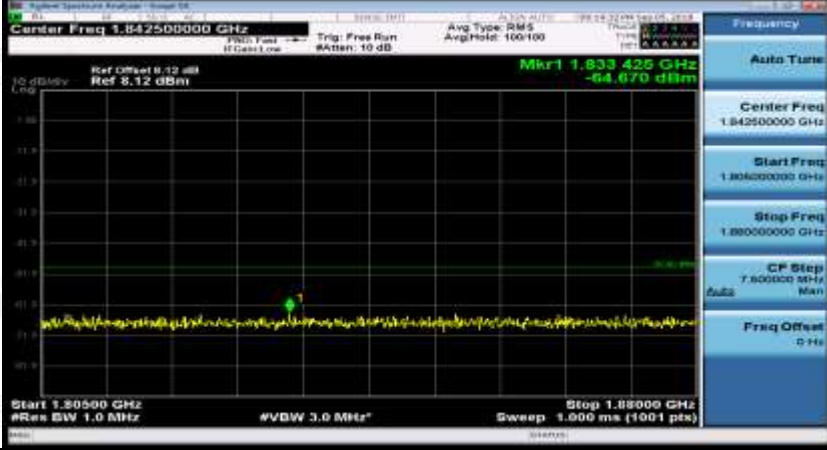

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General			
General			
General			

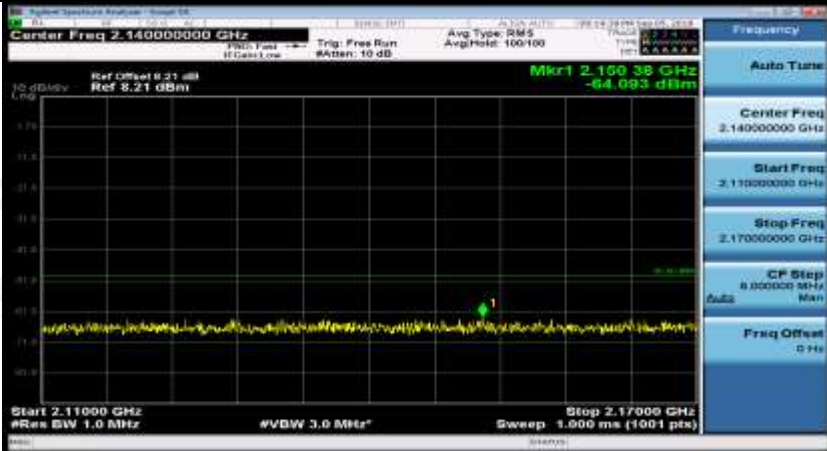

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General			
General			
Co-existence			

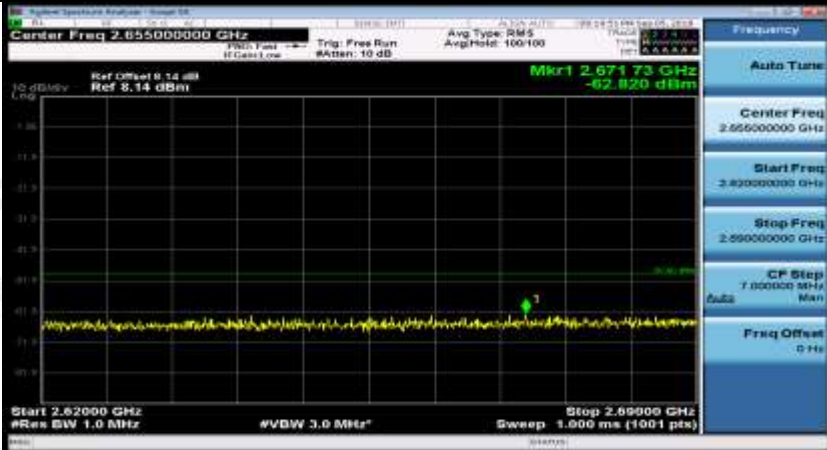
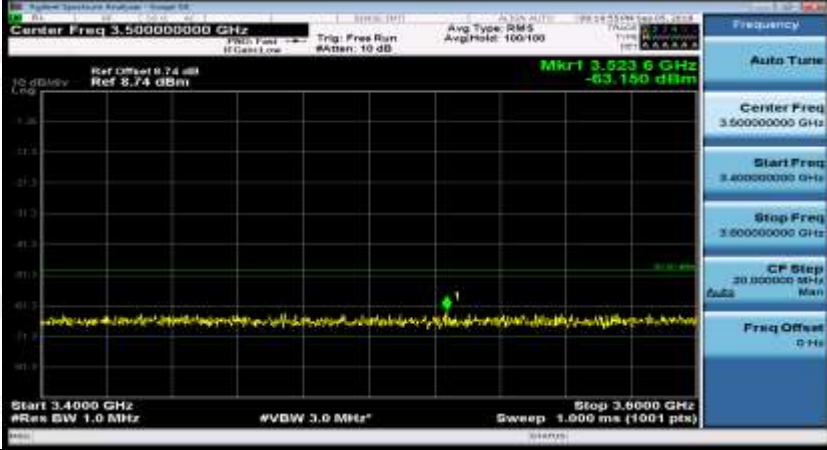
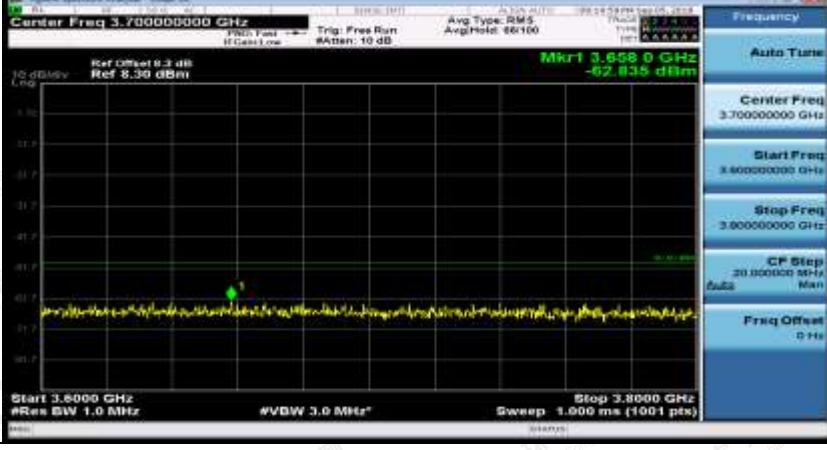
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	

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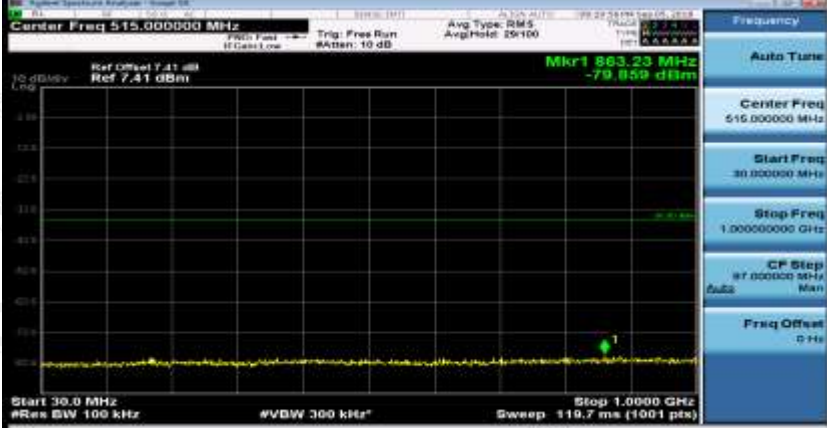
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

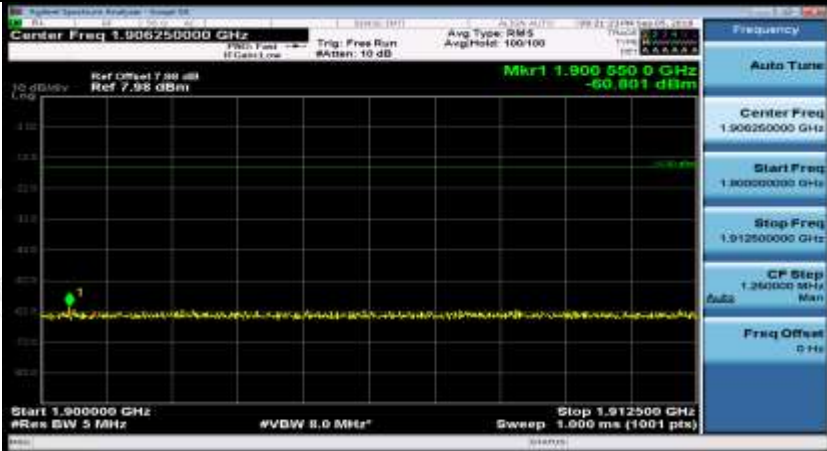
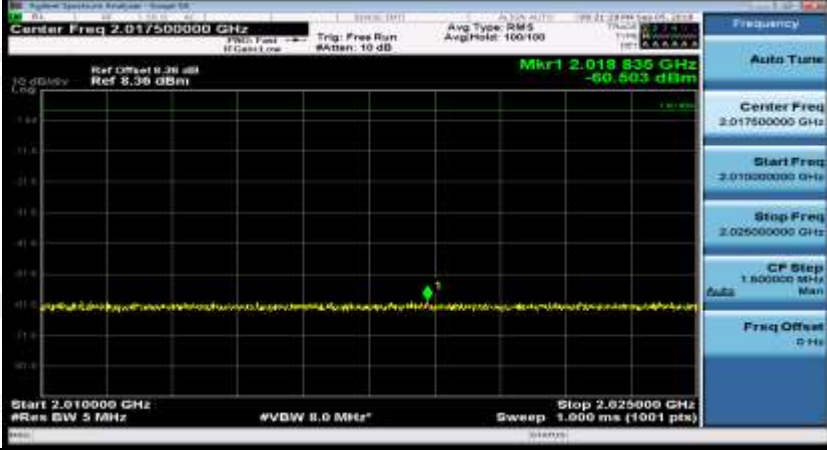
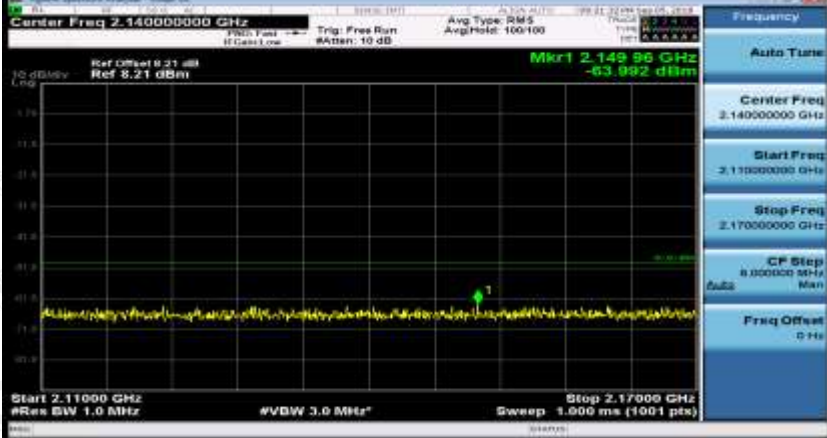
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General			
General			
General			

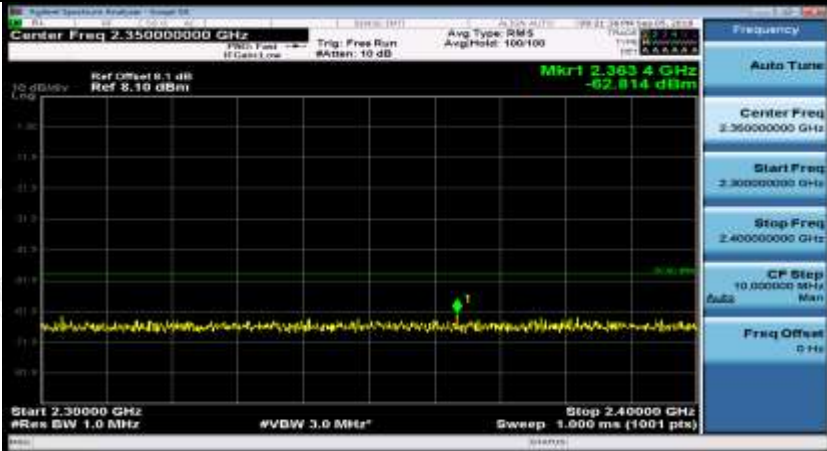
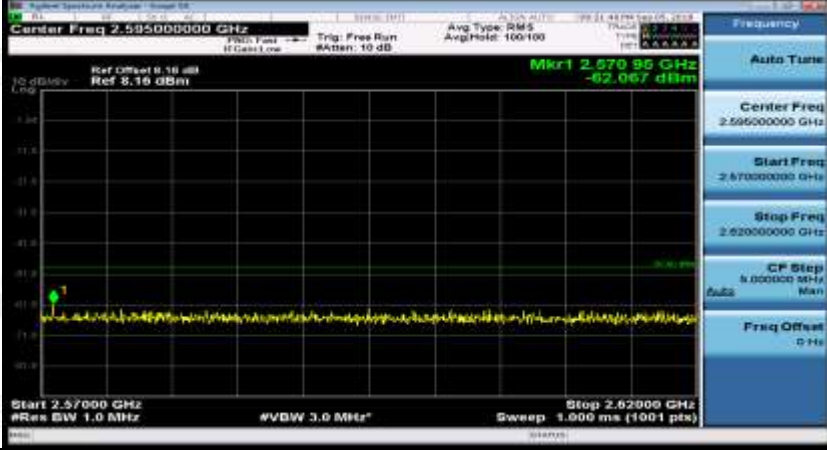
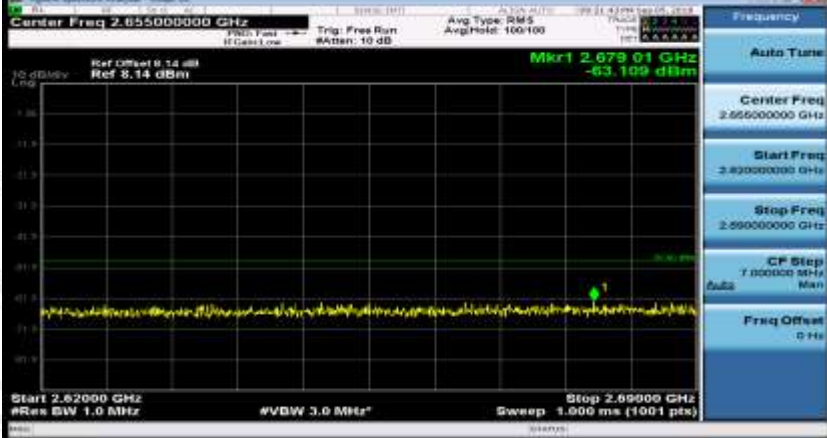
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Co-existence	
Co-existence	
Co-existence	

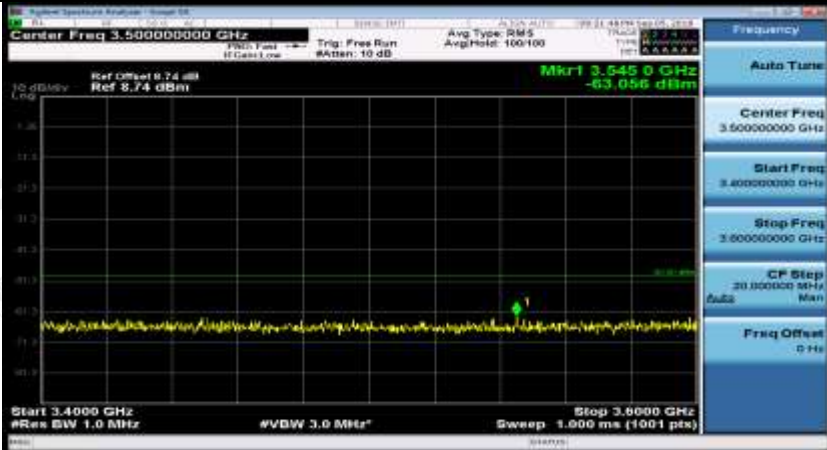
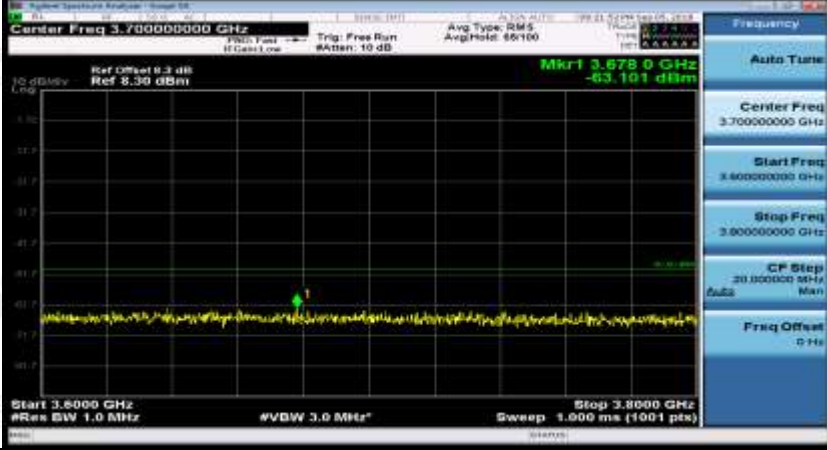
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

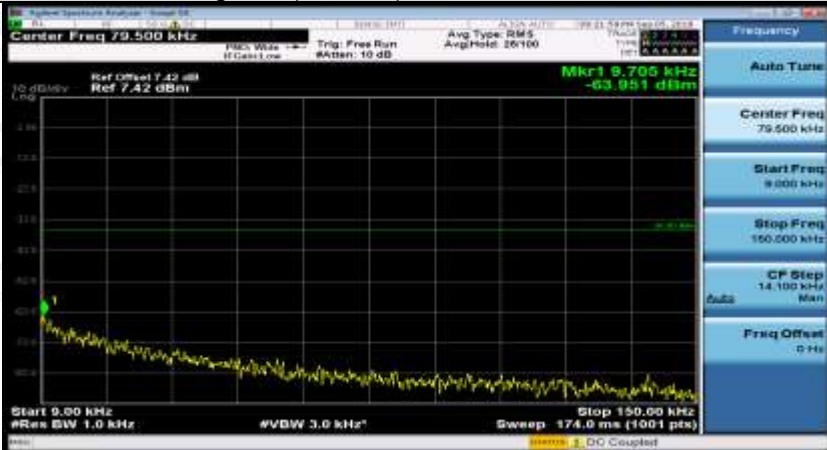
Co-existence	
Co-existence	
Co-existence	

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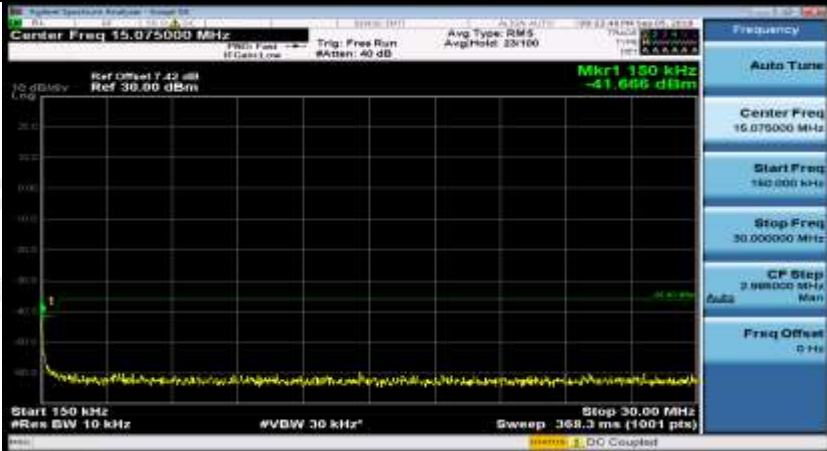
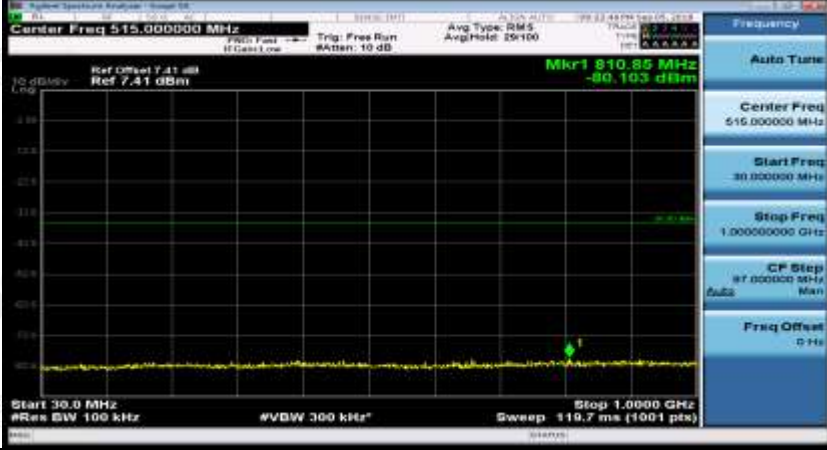
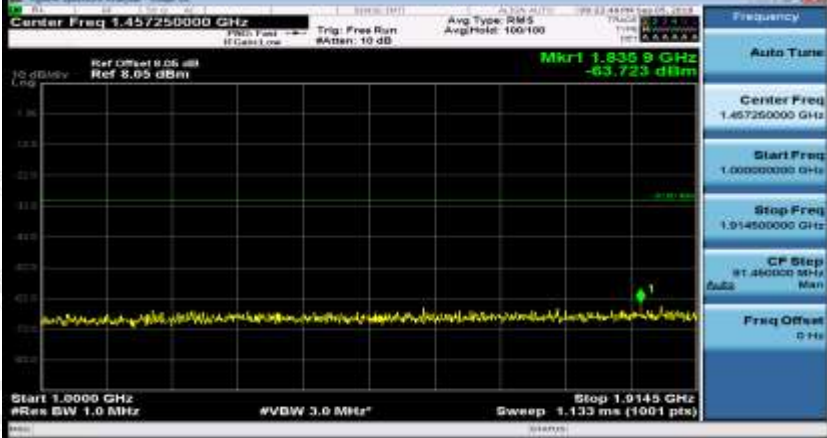
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

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

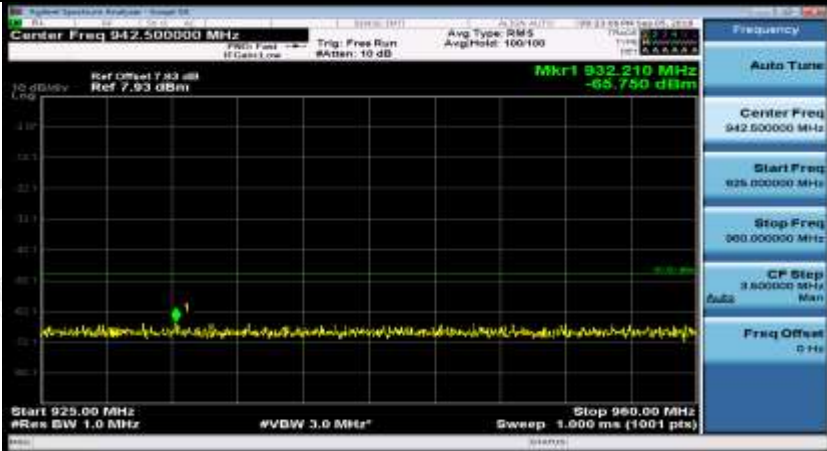
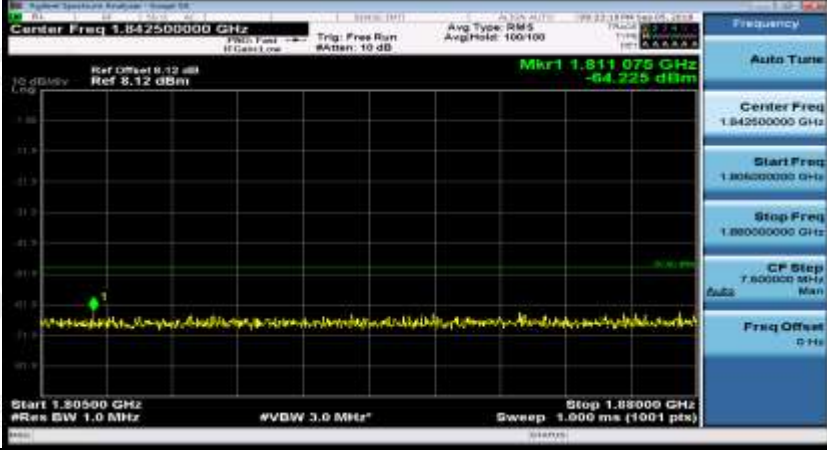

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General	
General	
General	

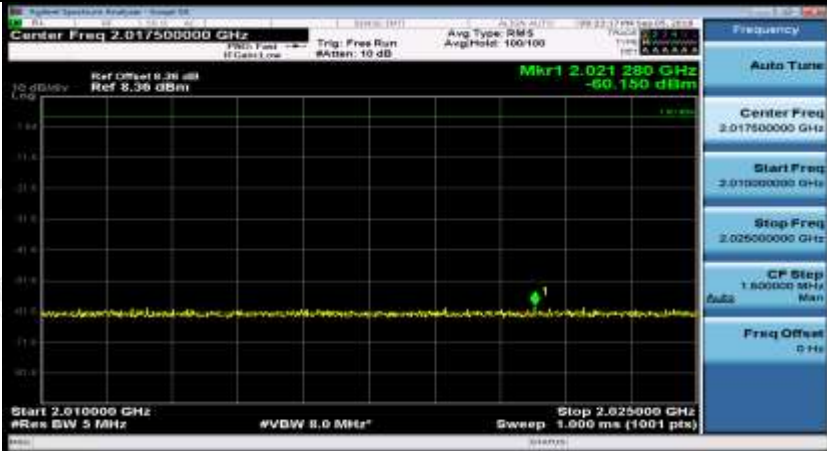
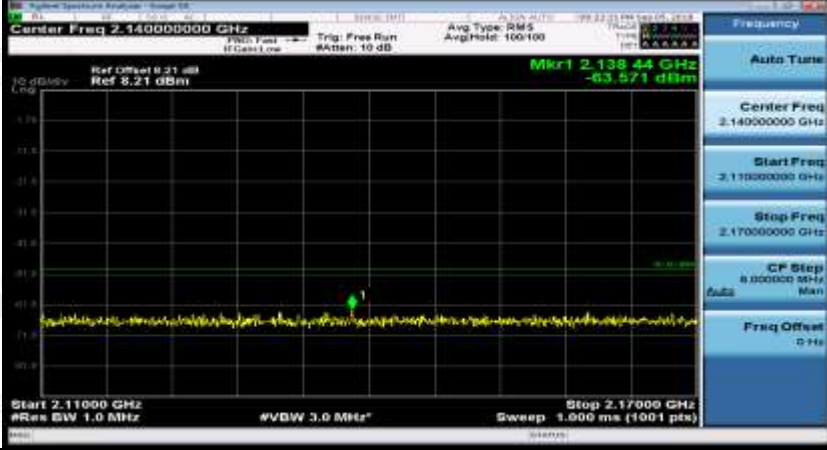
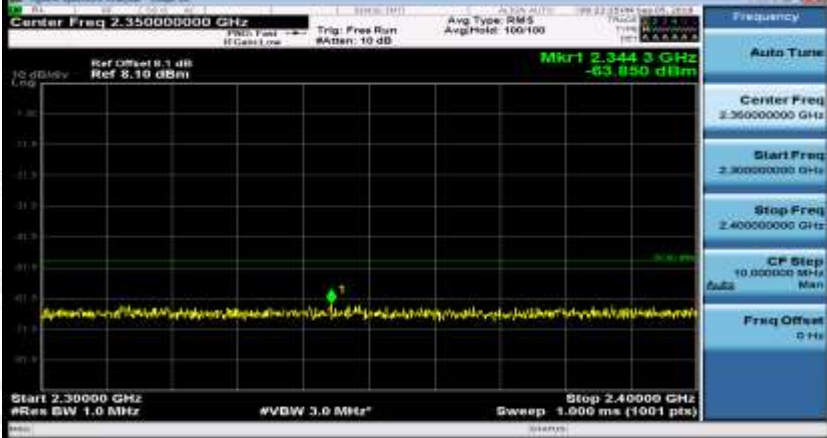
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General			
General			
Co-existence			

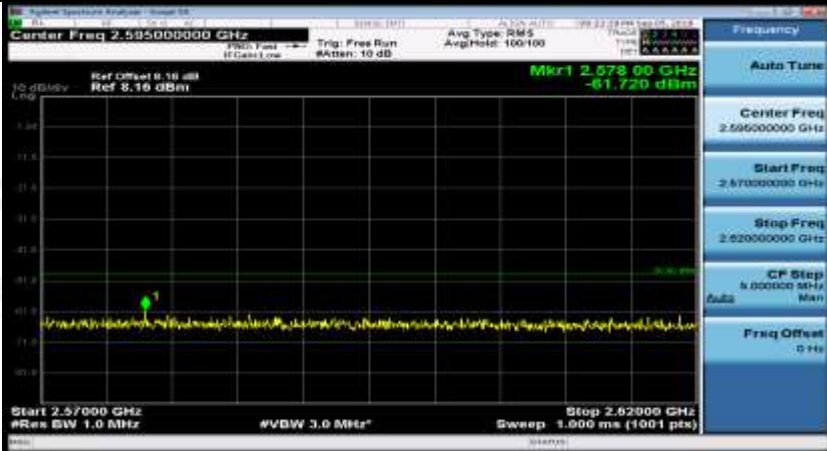

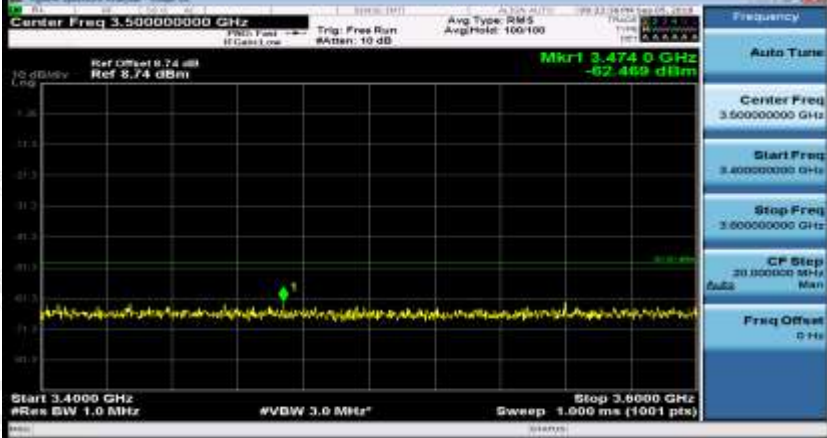
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Co-existence	
Co-existence	
Co-existence	

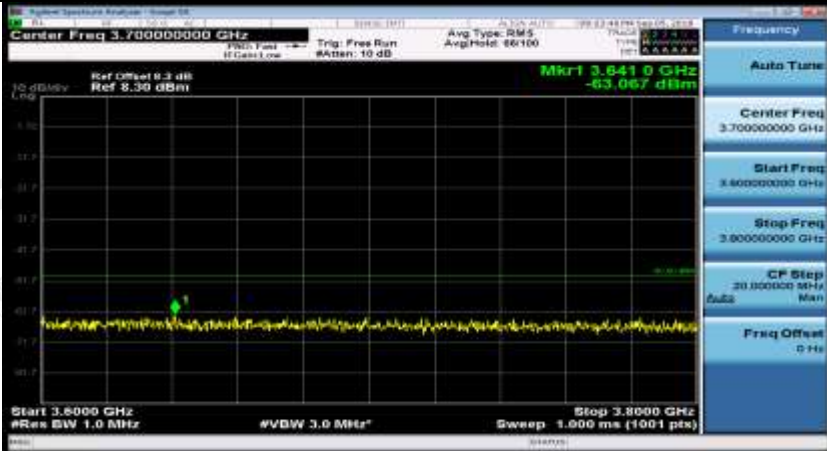
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Co-existence	
Co-existence	
Co-existence	

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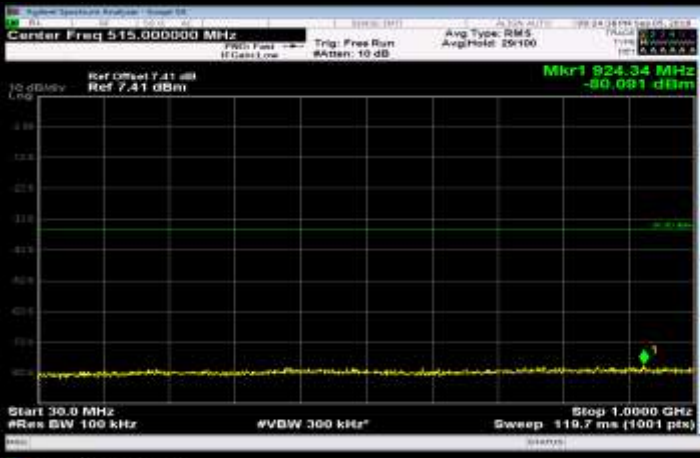
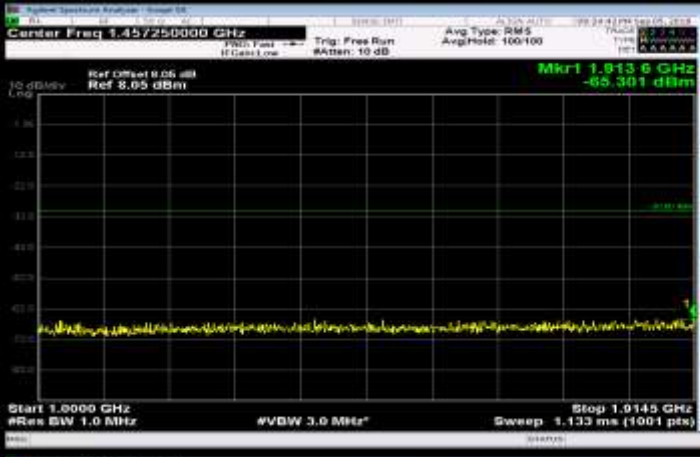
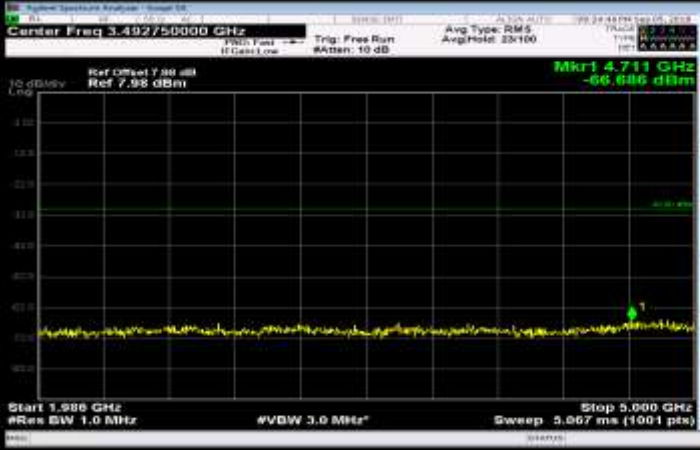
Co-existence	
Co-existence	
Co-existence	

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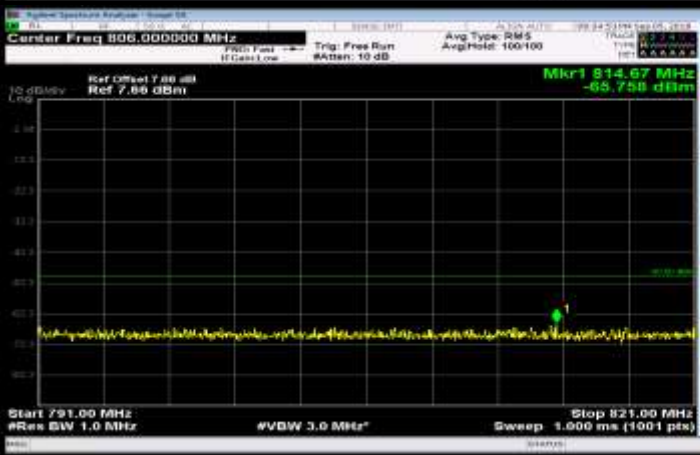
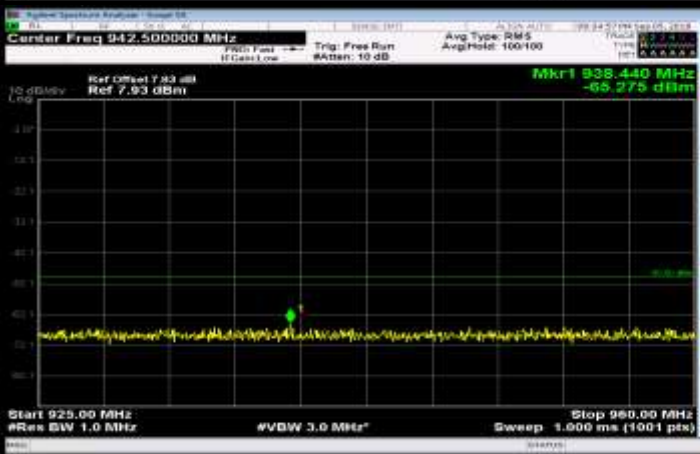
Co-existence	
Additional	NA

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

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General		
General		
General		

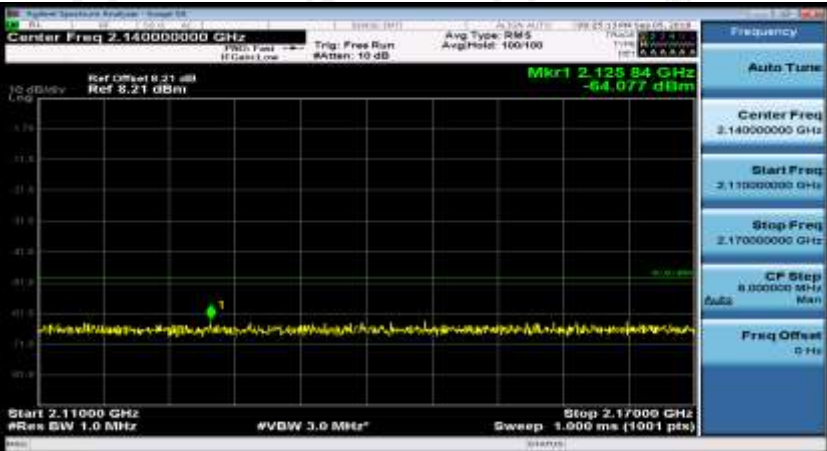
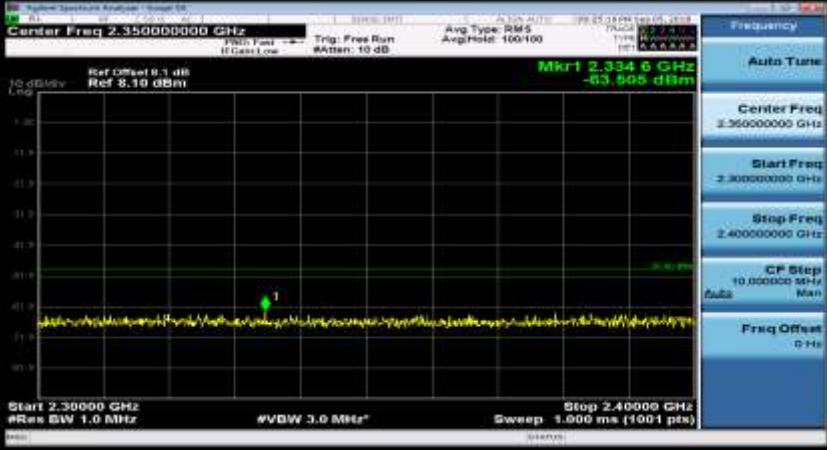
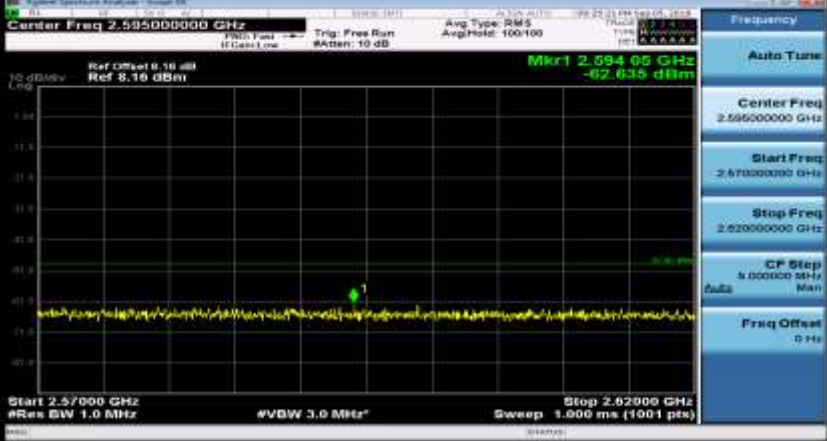
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General		
Co-existence		
Co-existence		

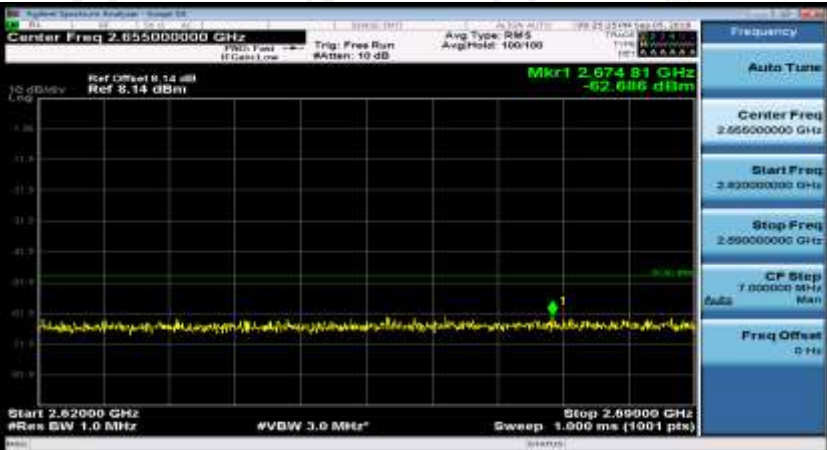
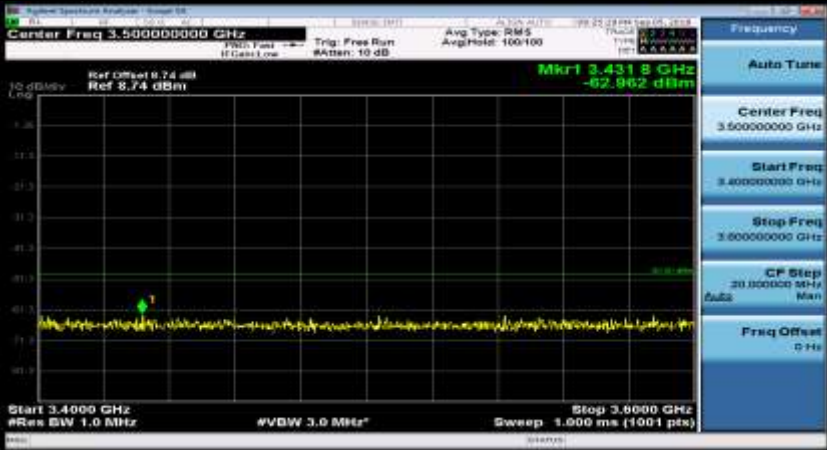
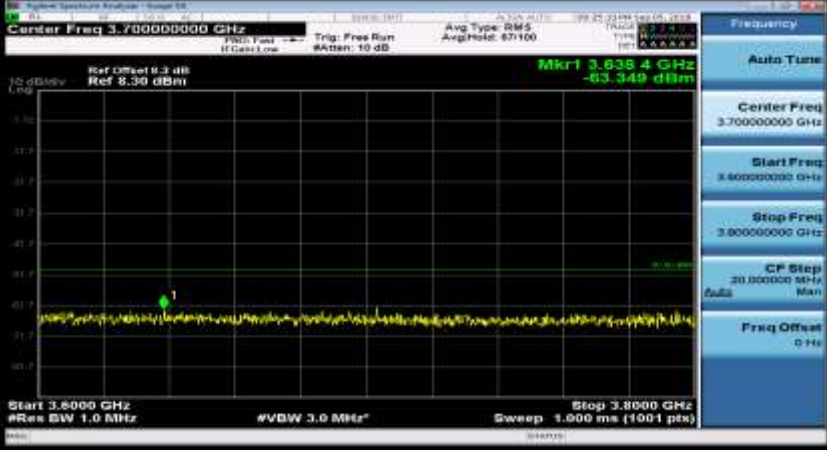
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Co-existence	
Co-existence	
Co-existence	

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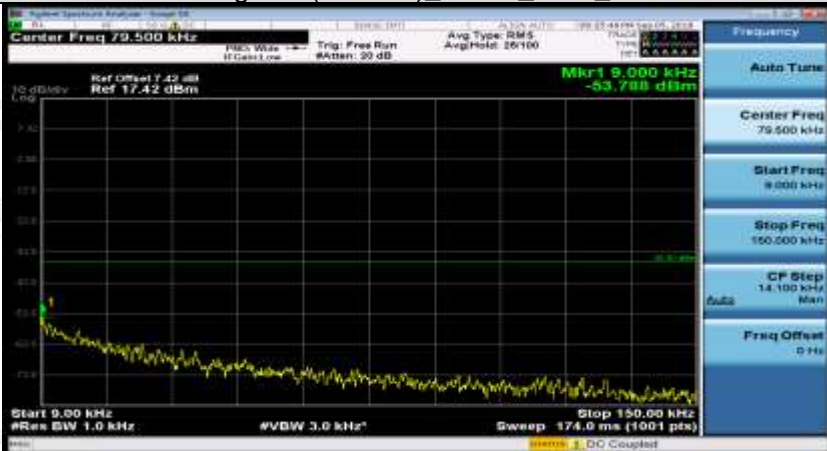
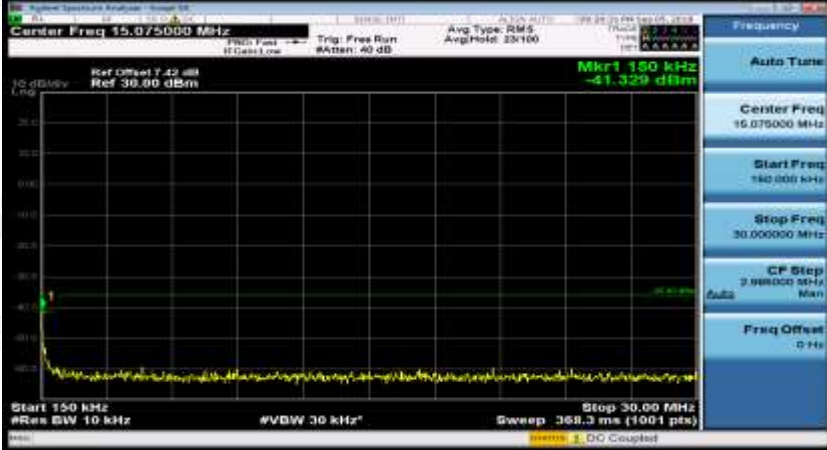
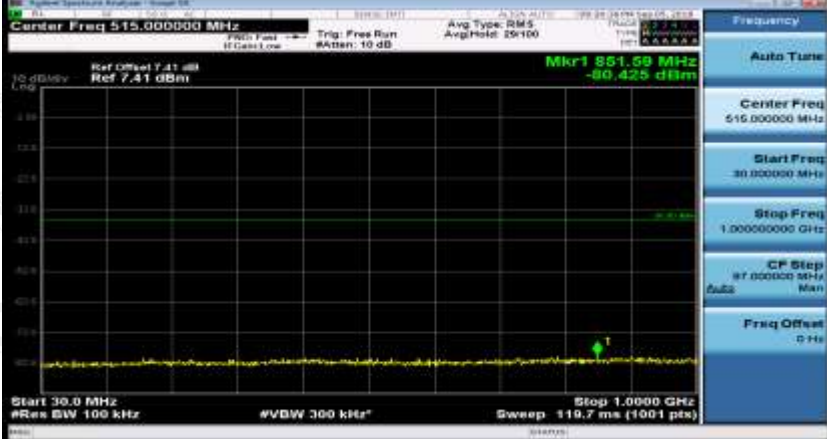
Co-existence	
Co-existence	
Co-existence	

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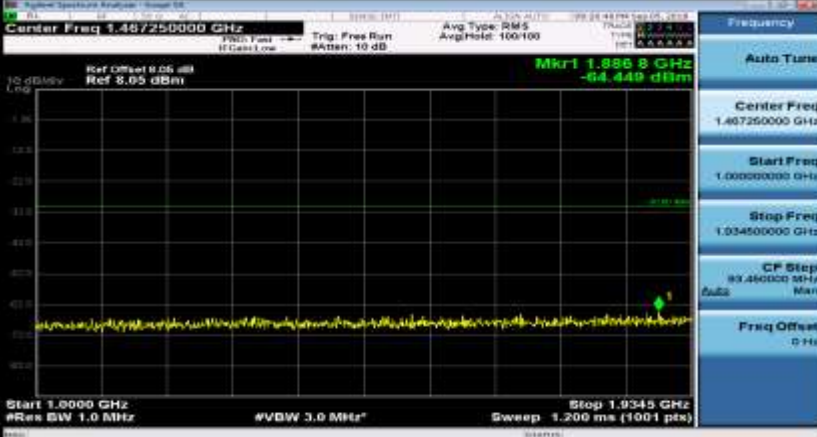

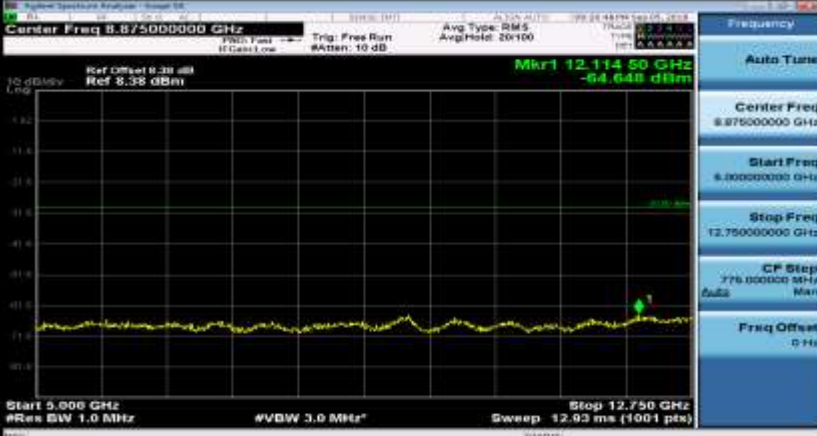
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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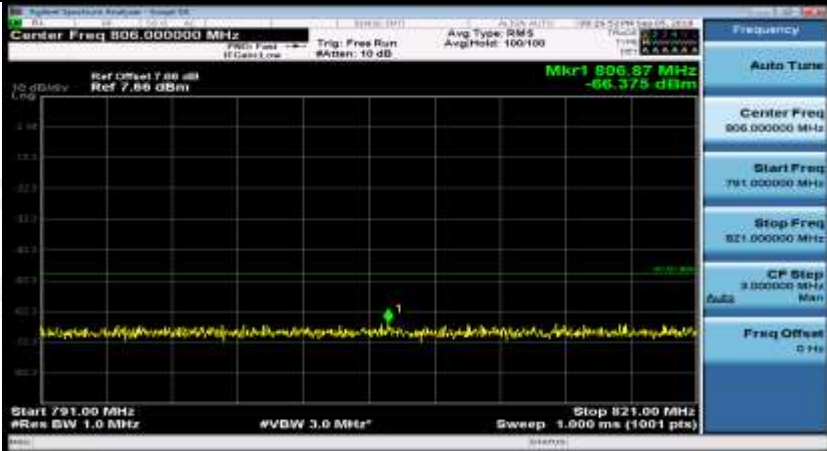
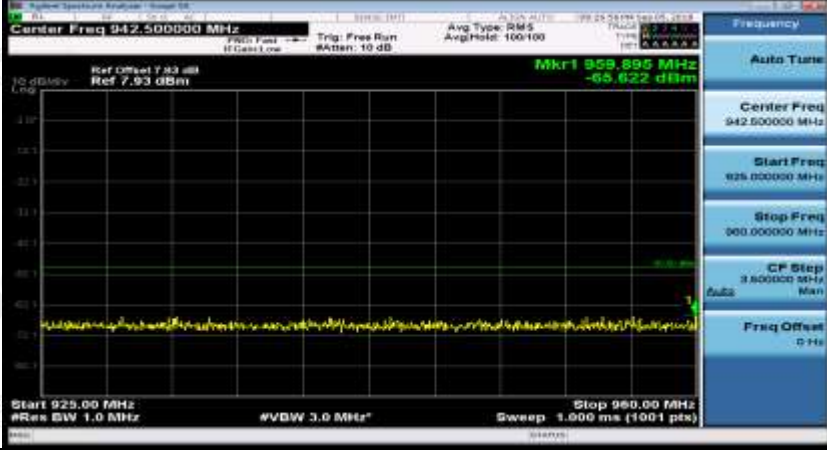
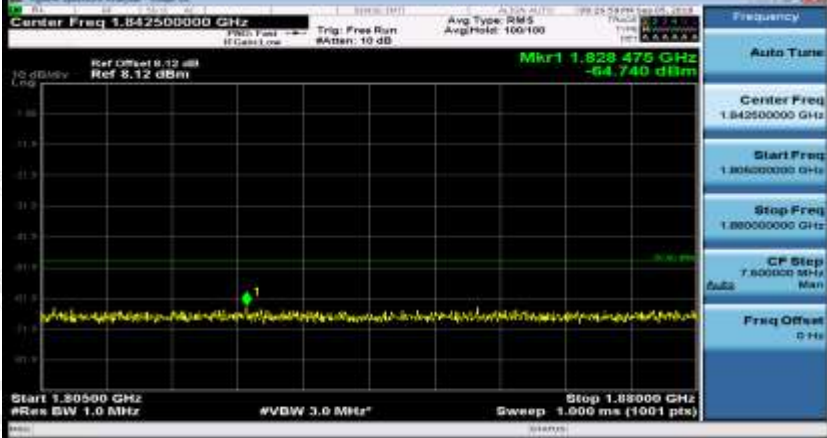
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

General	
General	
General	

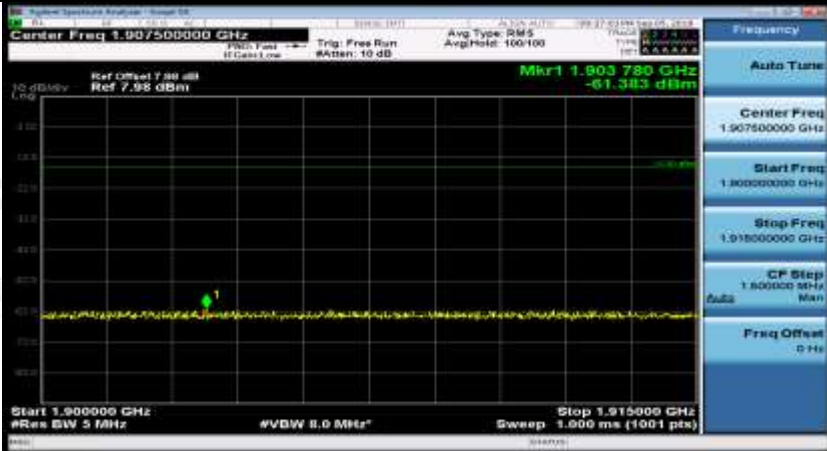
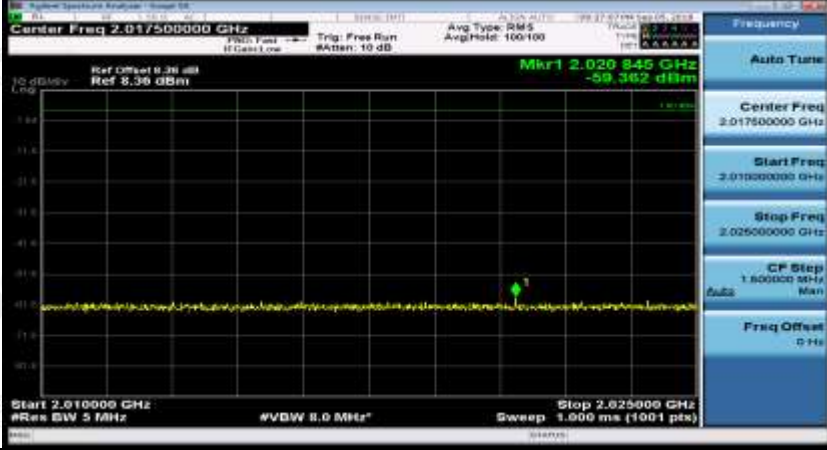
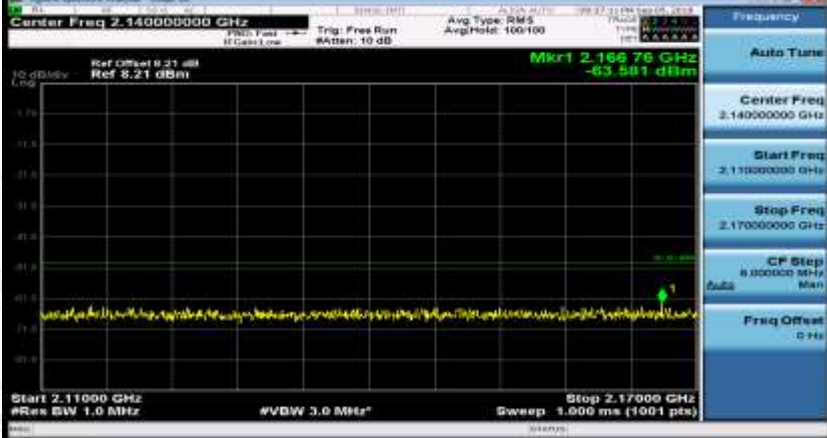
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General			
General			
General			

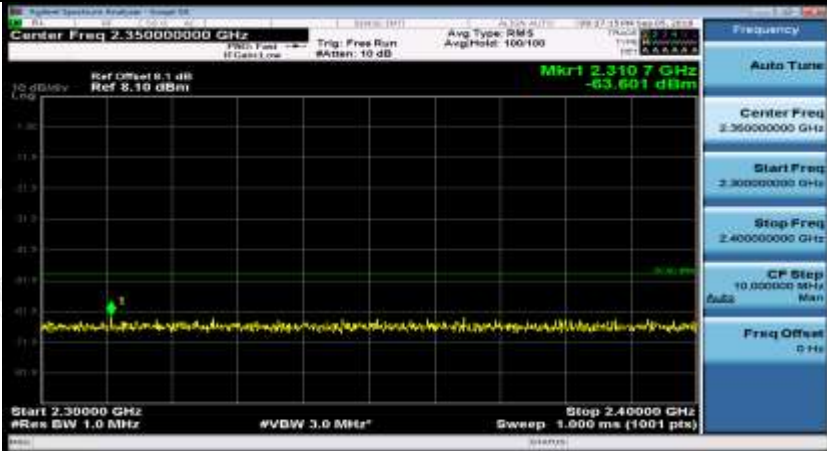
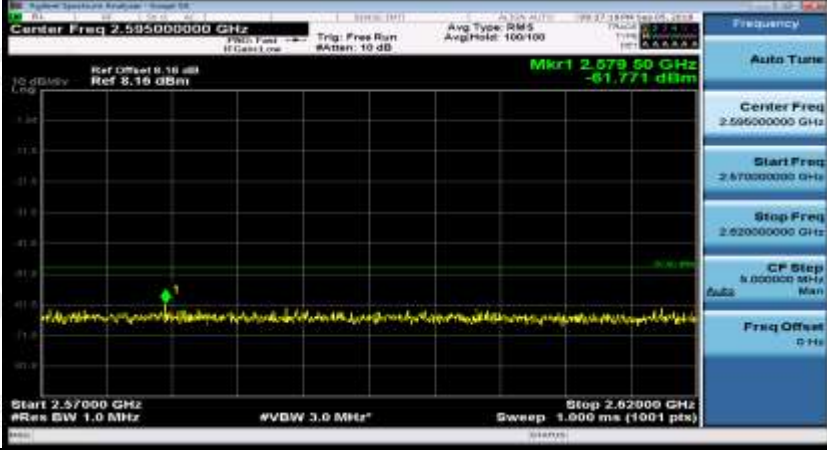
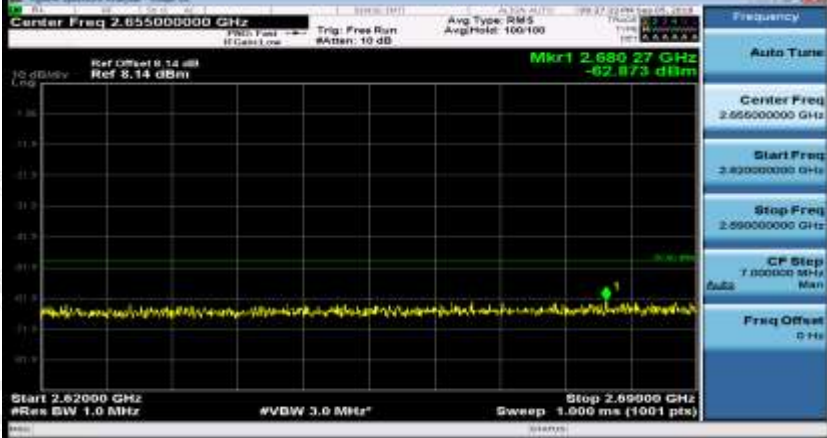
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Co-existence	
Co-existence	
Co-existence	

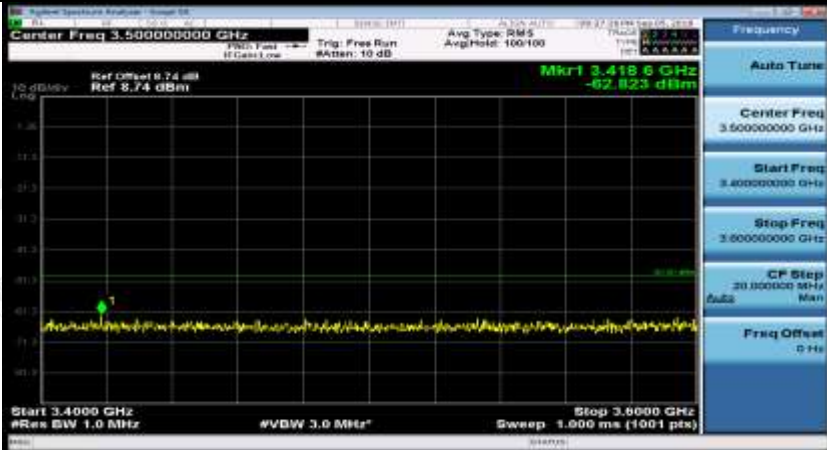
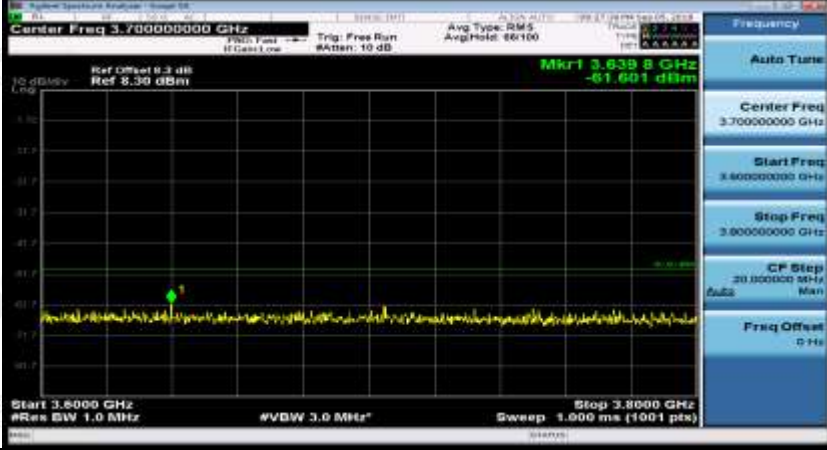
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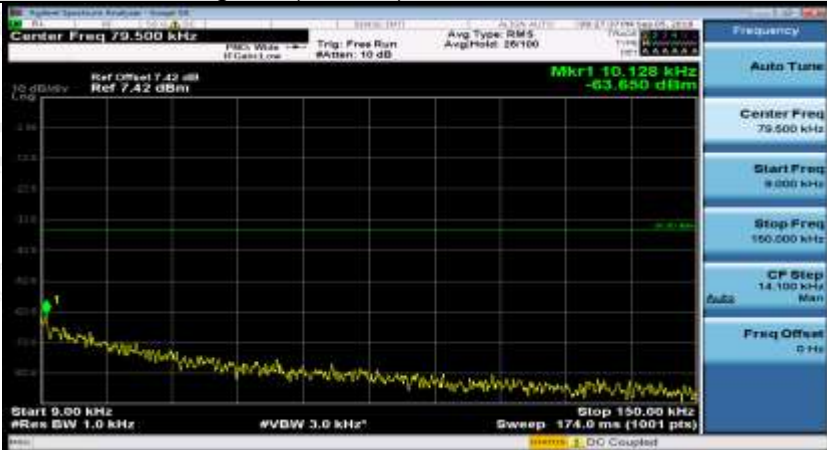
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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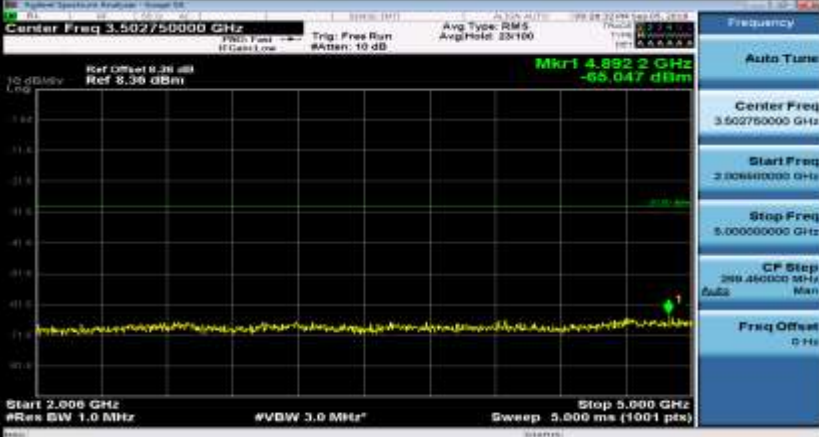


Co-existence	
Co-existence	
Additional	NA

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

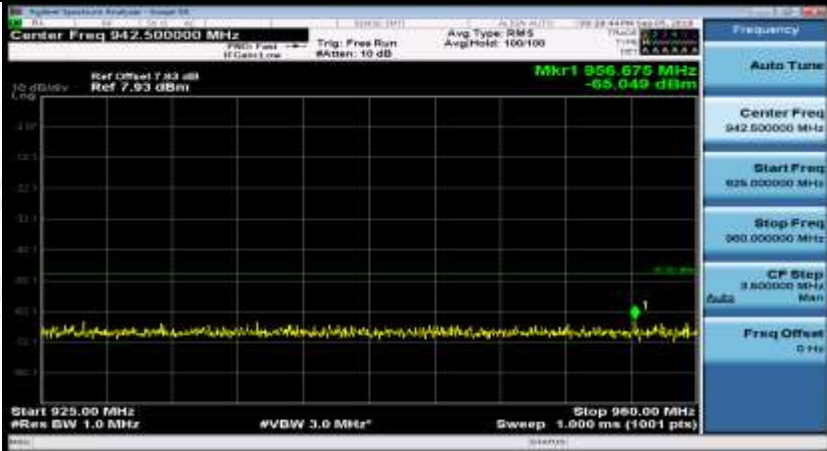
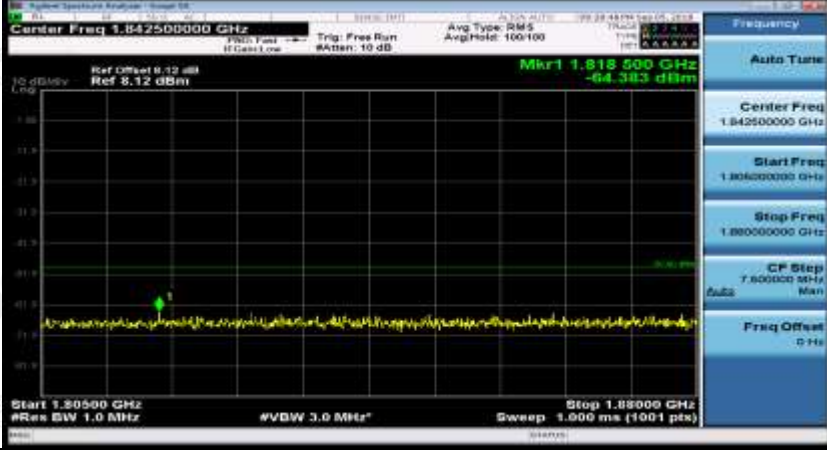
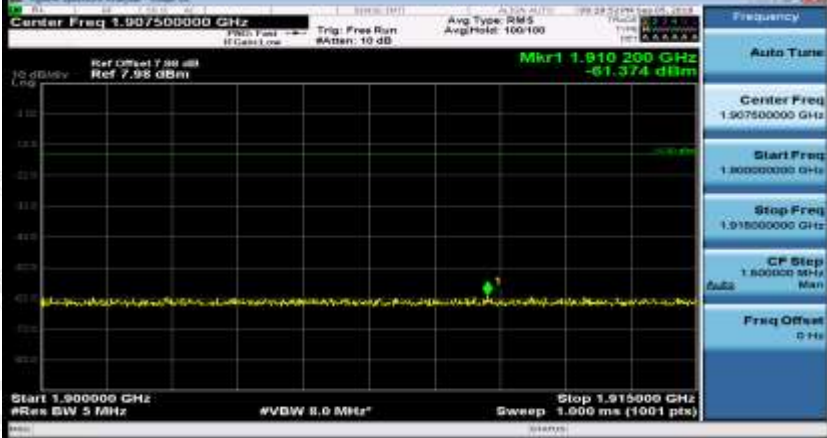
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General			
General			
General			

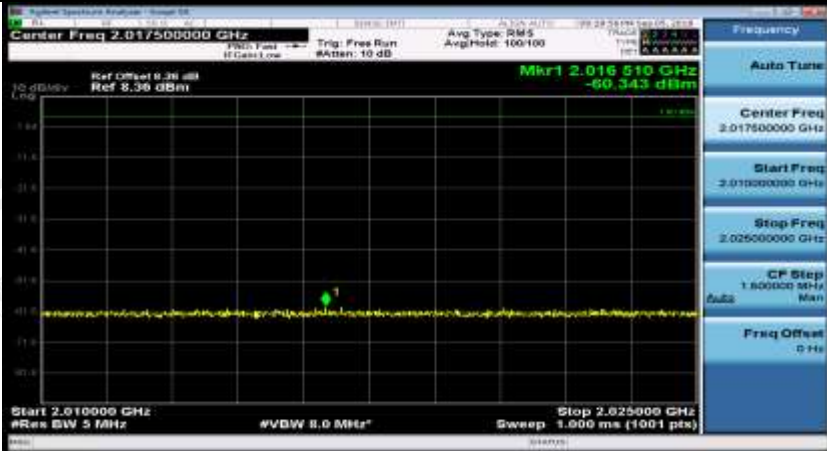
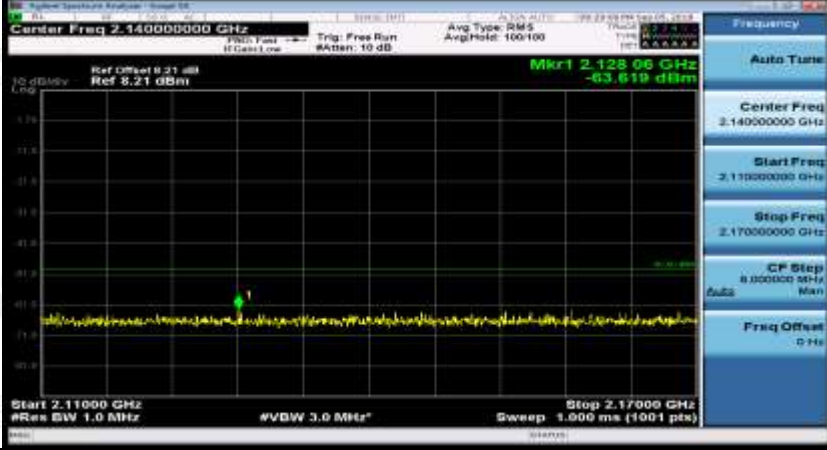
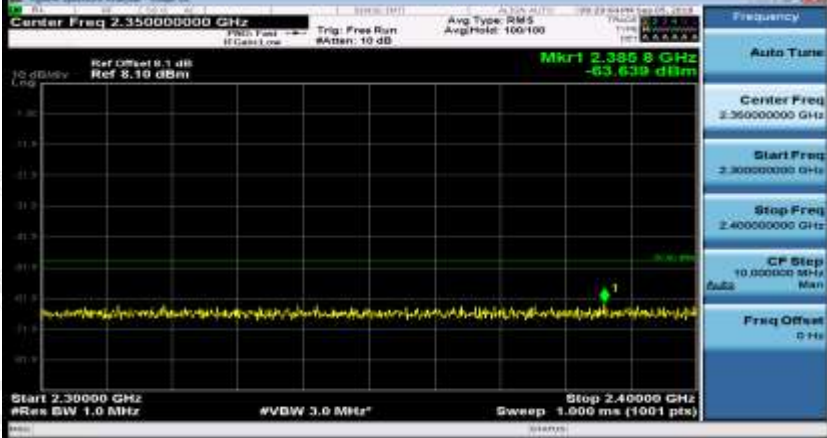
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General			
General			
Co-existence			

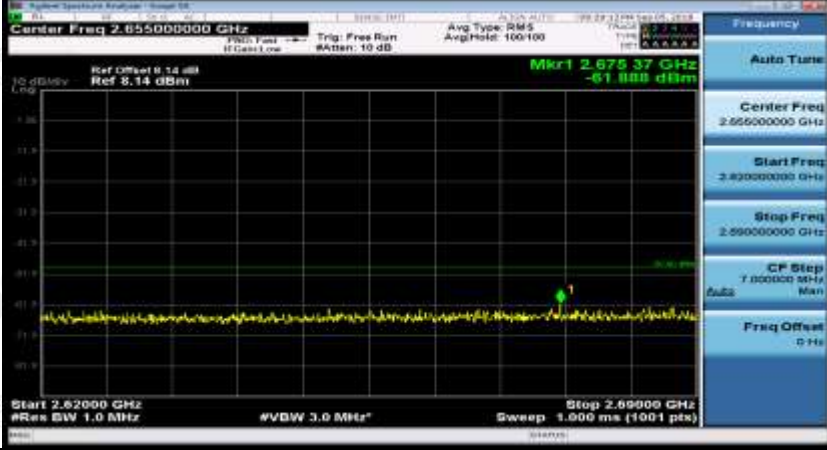
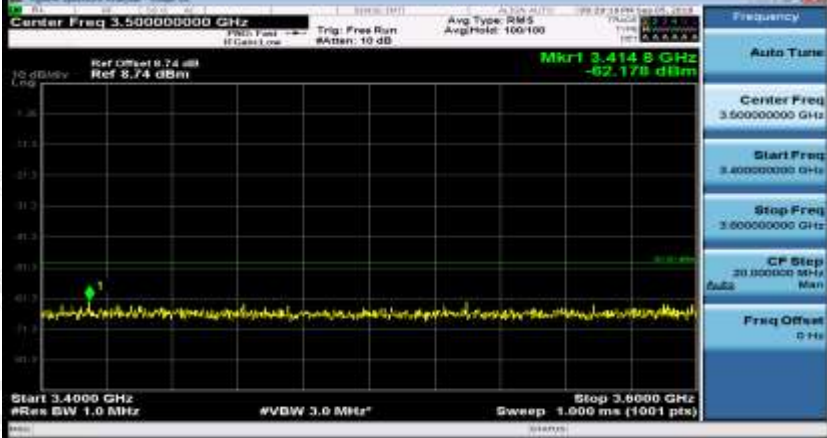
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Co-existence	
Co-existence	
Co-existence	

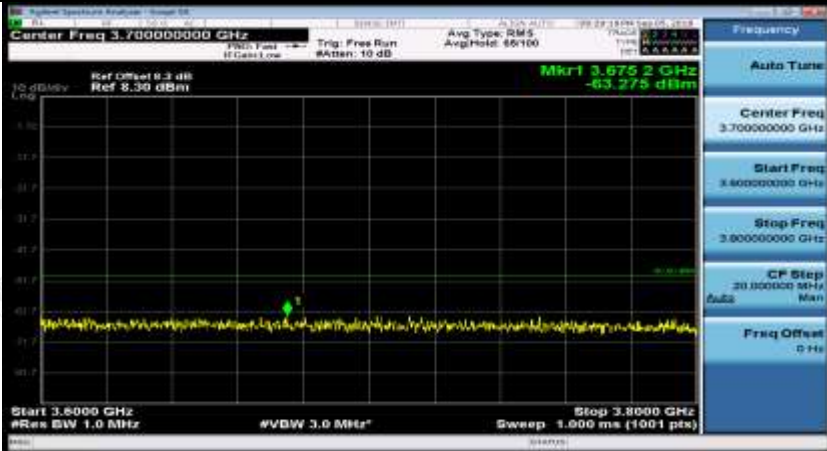
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Co-existence	
Co-existence	
Co-existence	

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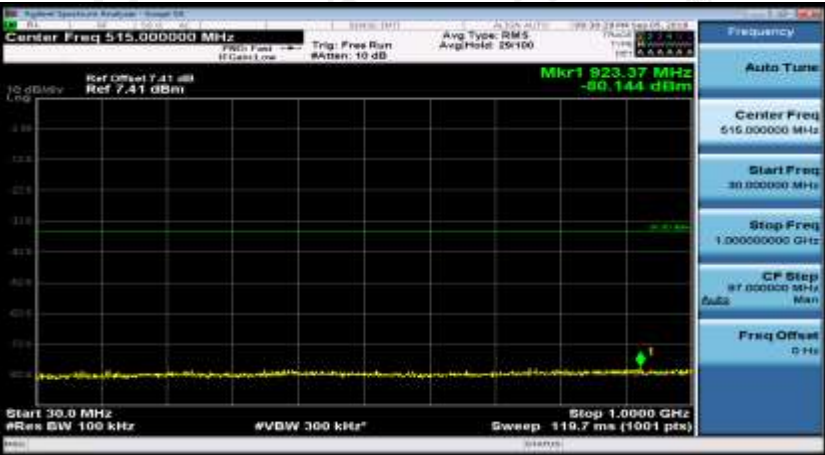
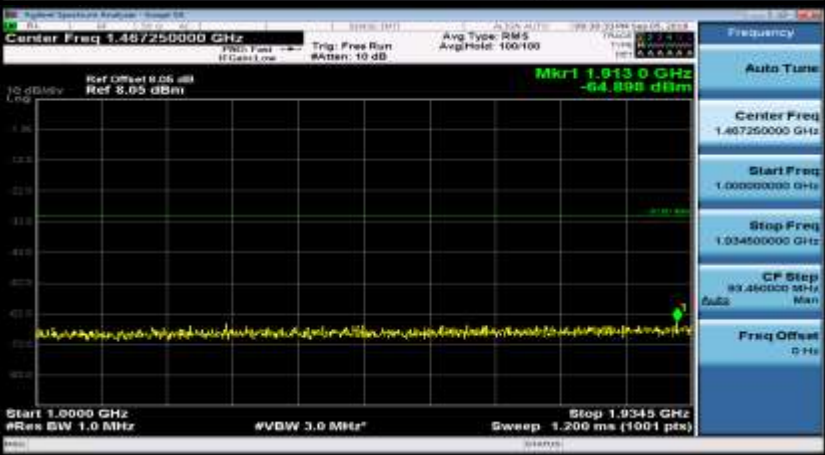

Co-existence	
Co-existence	
Co-existence	

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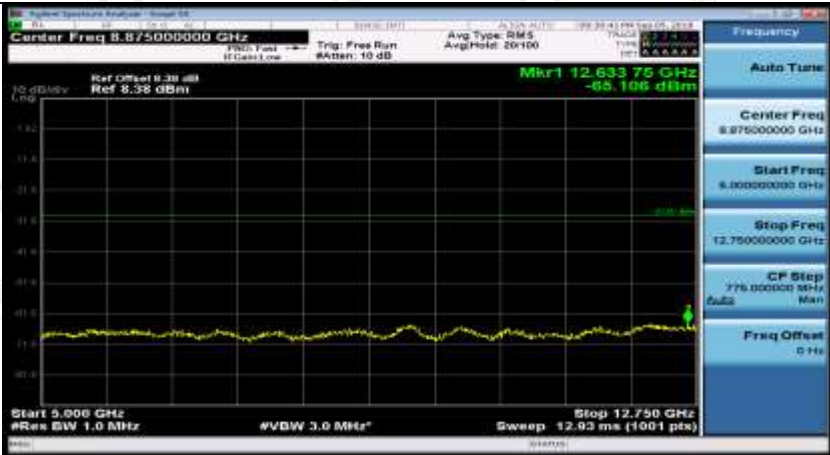

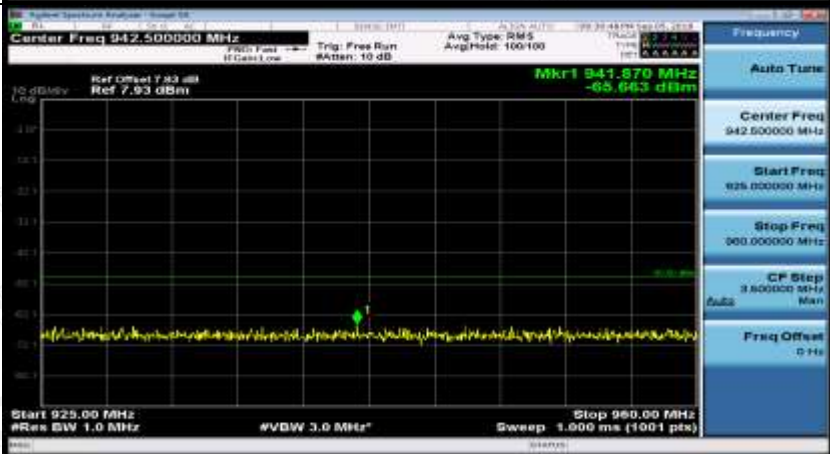
Co-existence	
Additional	NA

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

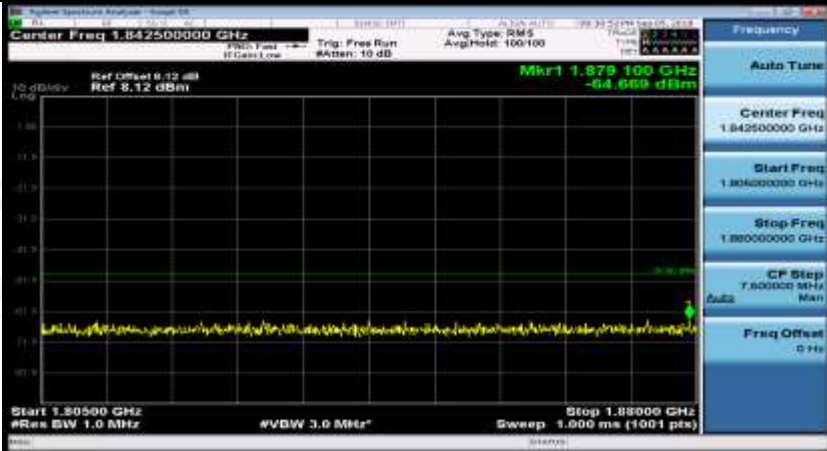
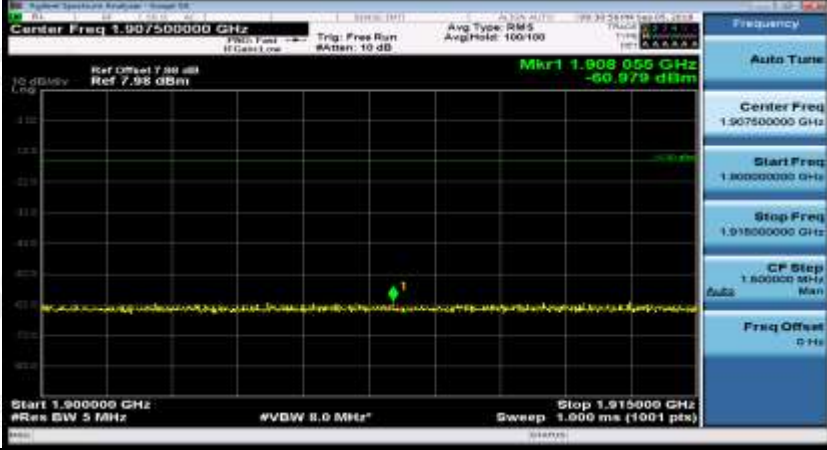

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General		
General		
General		


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General		
Co-existence		
Co-existence		

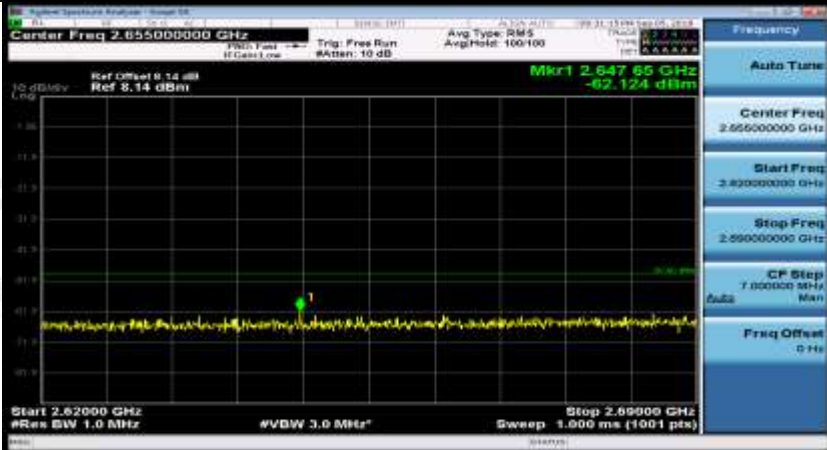
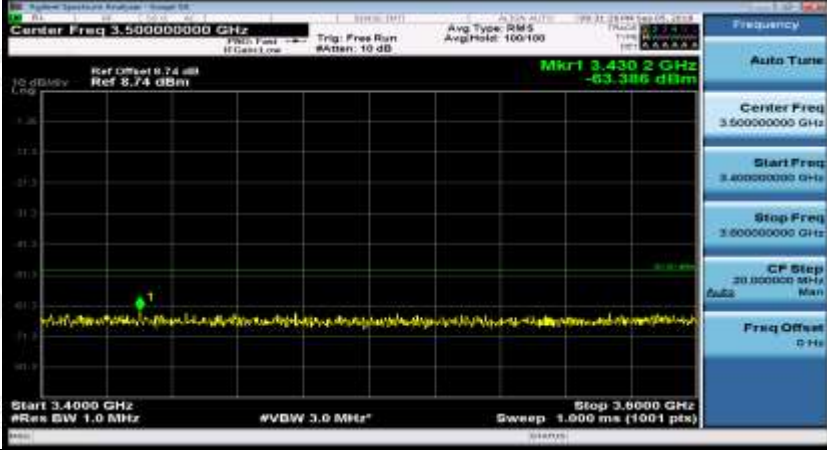
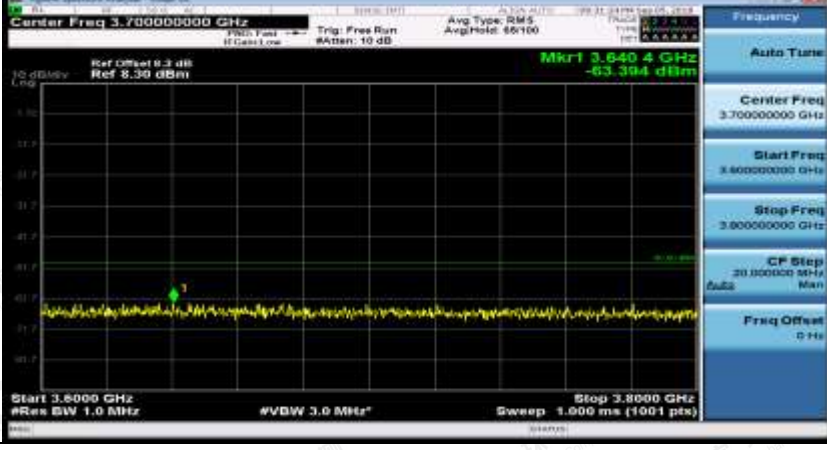
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Co-existence	
Co-existence	
Co-existence	

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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

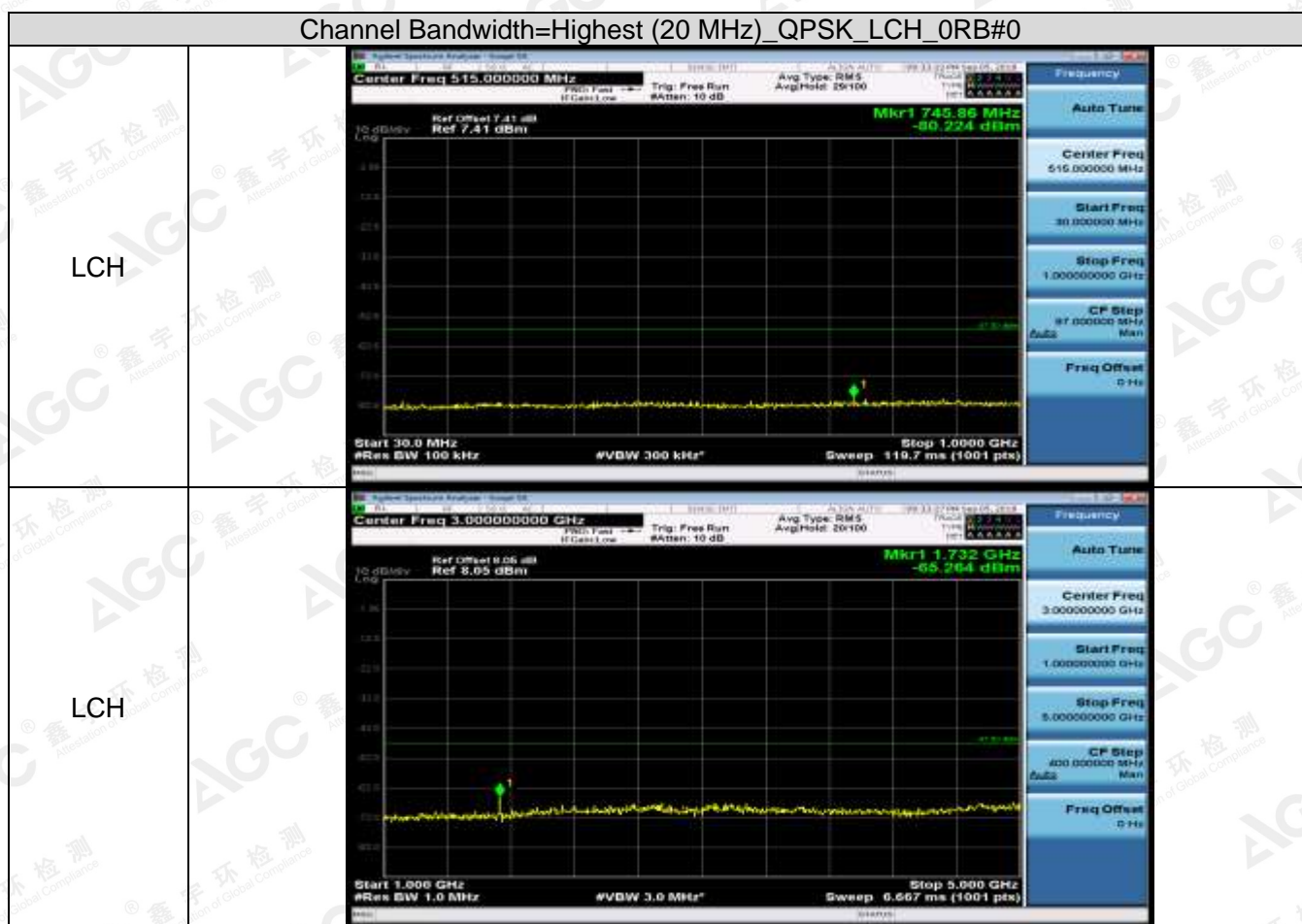
Channel Bandwidth=Highest

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

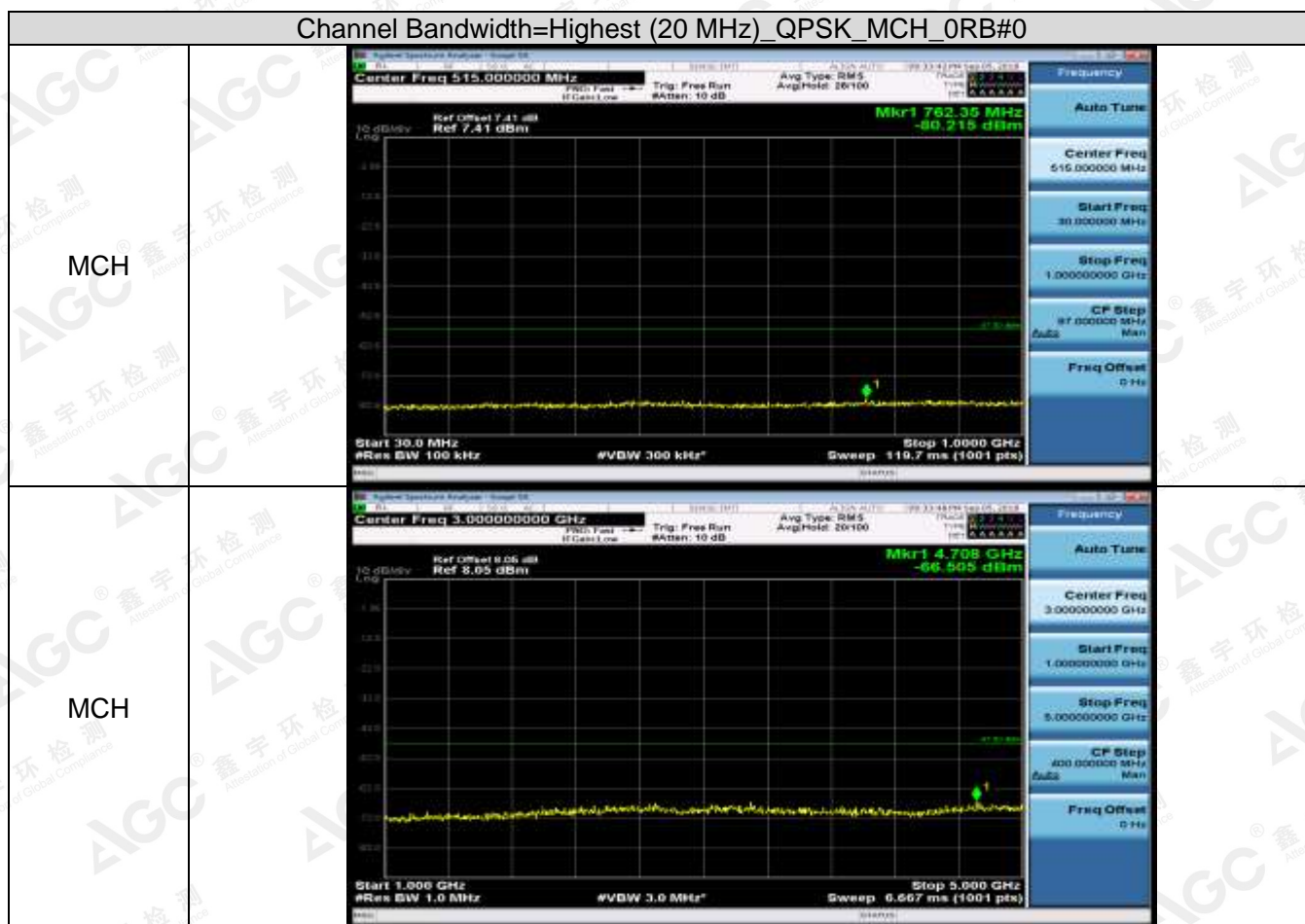
Test Graphs

NTNV

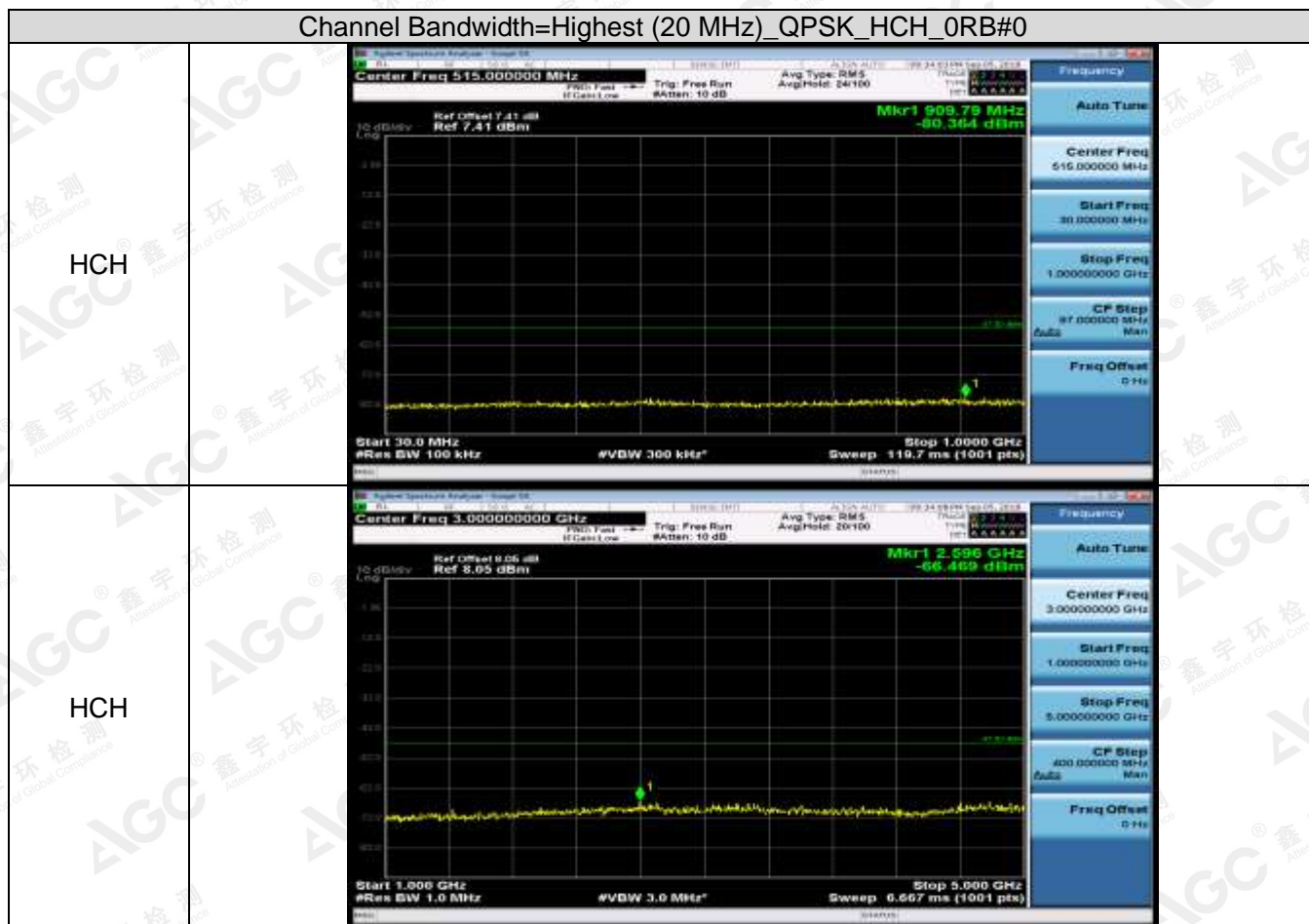
Channel Bandwidth=Highest



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7. 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	-86.28	-86.90	-87.27
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-73.51	-73.56	-73.82
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.72	-71.79	-72.54
Verdict	PASS					

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8. 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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9. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

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Out-of Band Blocking

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

Narrow Band

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

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10. 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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11. 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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12. Receiver Reference Sensitivity Level

Test Results

NTNV

	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfiguration		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
			FDD		FDD		
TNVN	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					
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					
TL,VH	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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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.

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.78	Pass
					max	23.74	Pass
				Partial	0	23.74	Pass
					max	23.77	Pass
			Mid range	1	0	23.64	Pass
					max	23.69	Pass
				Partial	0	23.64	Pass
					max	23.70	Pass
			High range	1	0	23.66	Pass
					max	23.47	Pass
				Partial	0	23.16	Pass
					max	23.18	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	1	0	23.23	Pass
					max	23.17	Pass
				Partial	0	23.27	Pass
					max	23.30	Pass
			Mid range	1	0	23.15	Pass
					max	23.16	Pass
				Partial	0	23.17	Pass
					max	23.16	Pass
			High range	1	0	23.20	Pass
					max	23.16	Pass
				Partial	0	23.19	Pass
					max	23.12	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		
Normal	QPSK	20 MHz	Low range	1	0	23.18	Pass
					max	23.18	Pass
				Partial	0	23.17	Pass
					max	23.15	Pass
			Mid range	1	0	23.12	Pass
					max	23.17	Pass
				Partial	0	23.09	Pass
					max	23.15	Pass
			High range	1	0	22.99	Pass
					max	23.02	Pass
				Partial	0	23.06	Pass
					max	23.07	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.

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-49.19	Pass
			Mid range	Full	0	-48.99	Pass
			High range	Full	0	-48.83	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-49.27	Pass
			Mid range	Full	0	-49.15	Pass
			High range	Full	0	-49.03	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-49.31	Pass
			Mid range	Full	0	-49.12	Pass
			High range	Full	0	-48.73	Pass

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3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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

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			Mid range		max	PUMAX	Pass
				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		
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

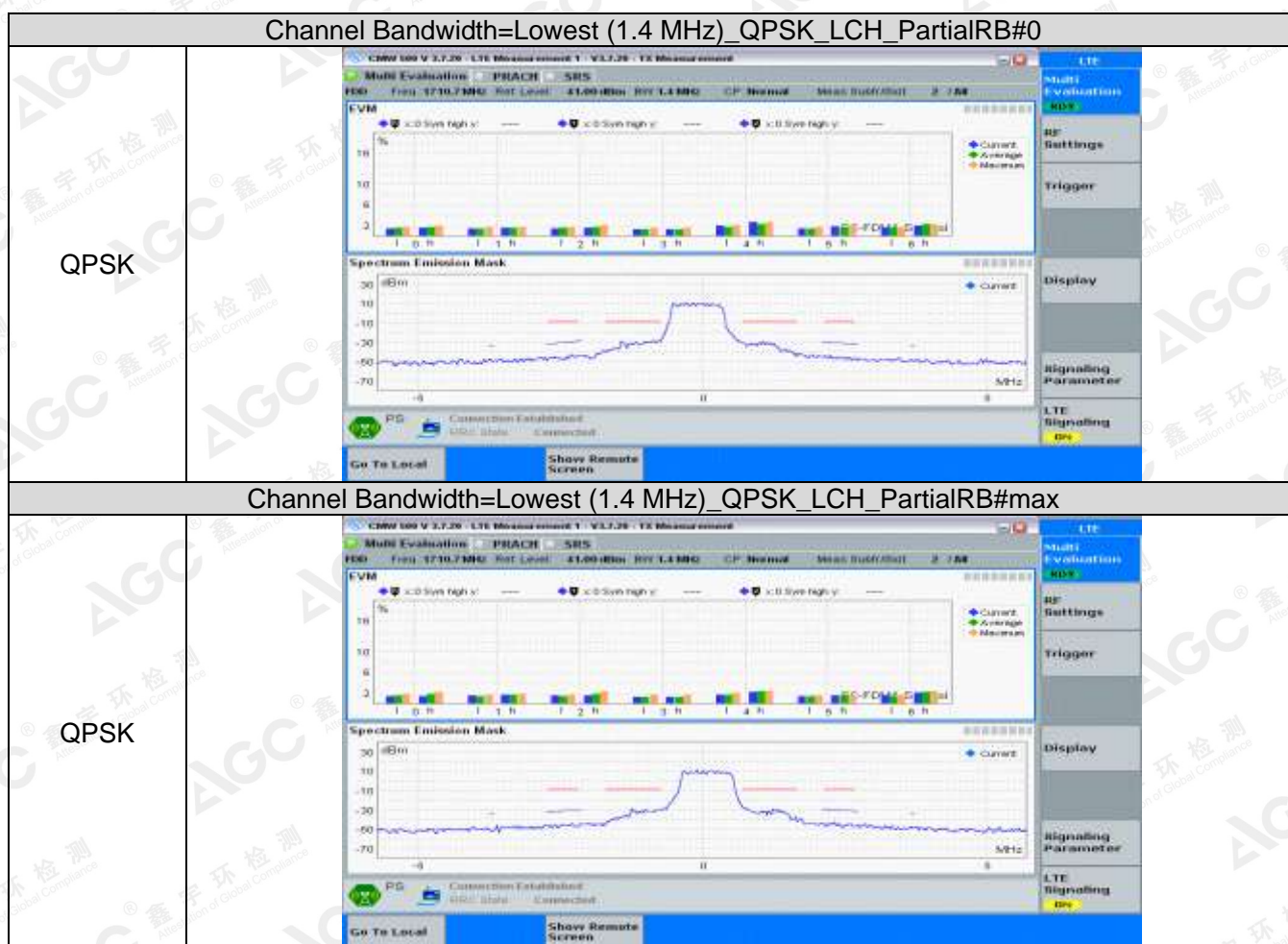
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		High range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		Low range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
	16QAM	Mid range	Full	0	PUMAX	Pass
			Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		High range	Full	0	PUMAX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

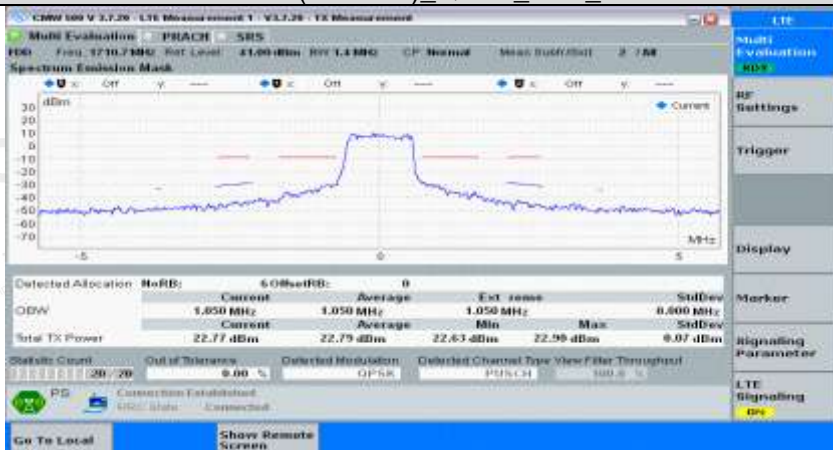
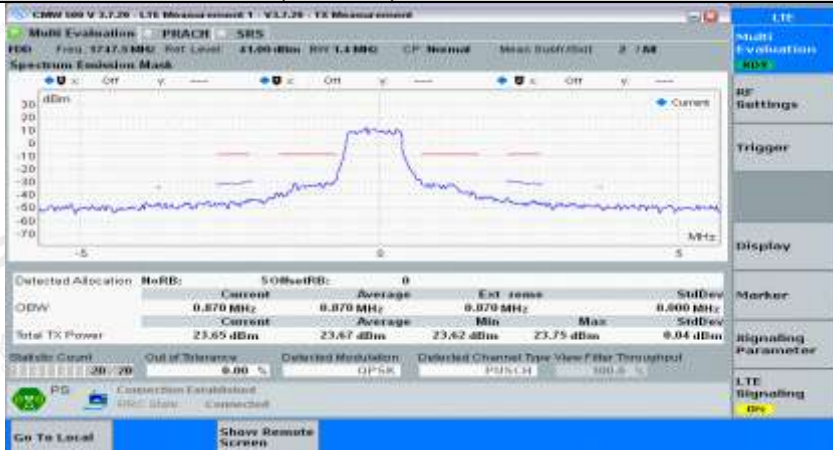
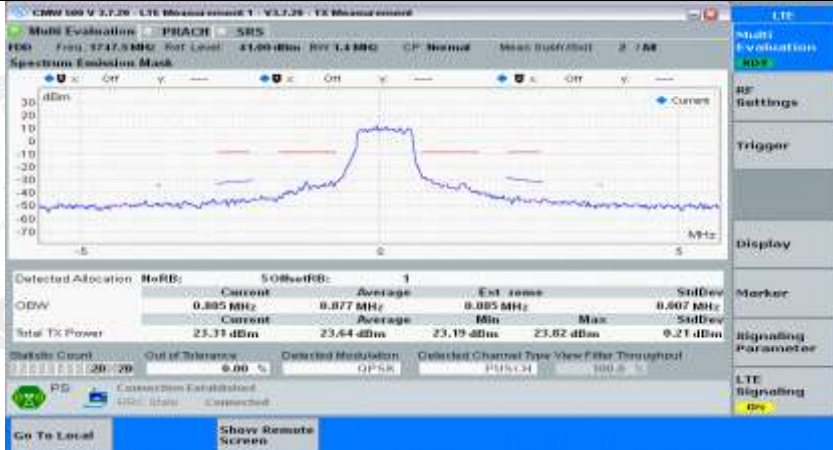
Test Graphs

NTNV

Channel Bandwidth=Lowest (1.4 MHz)



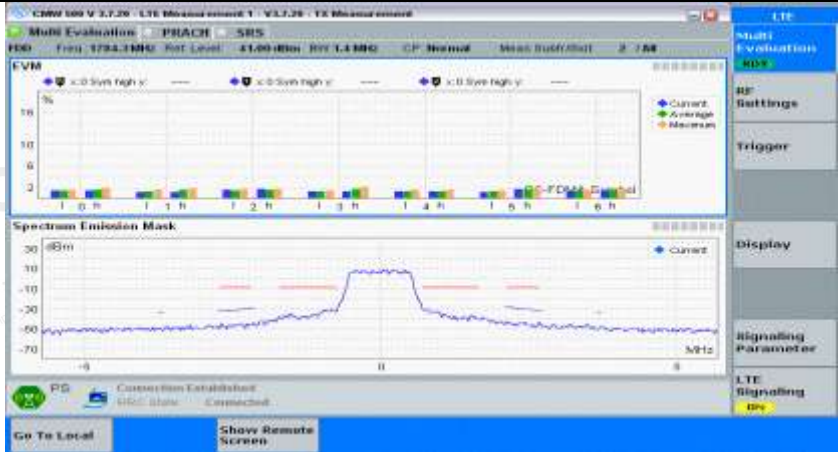


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Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	

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

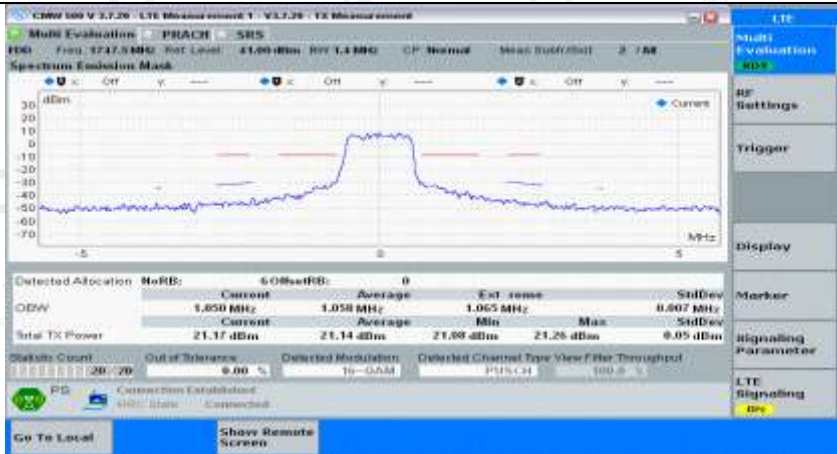
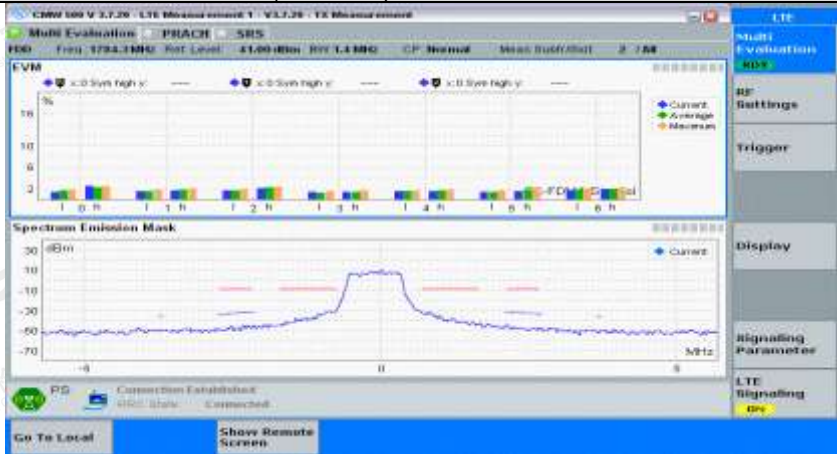
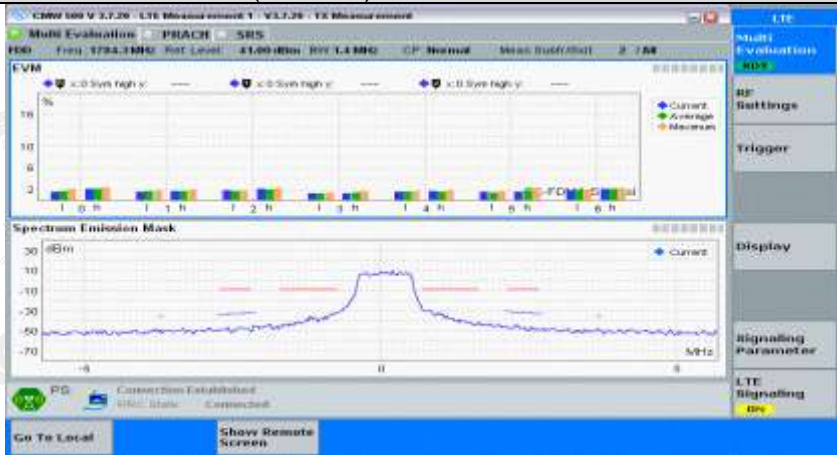
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QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullIRB#0	

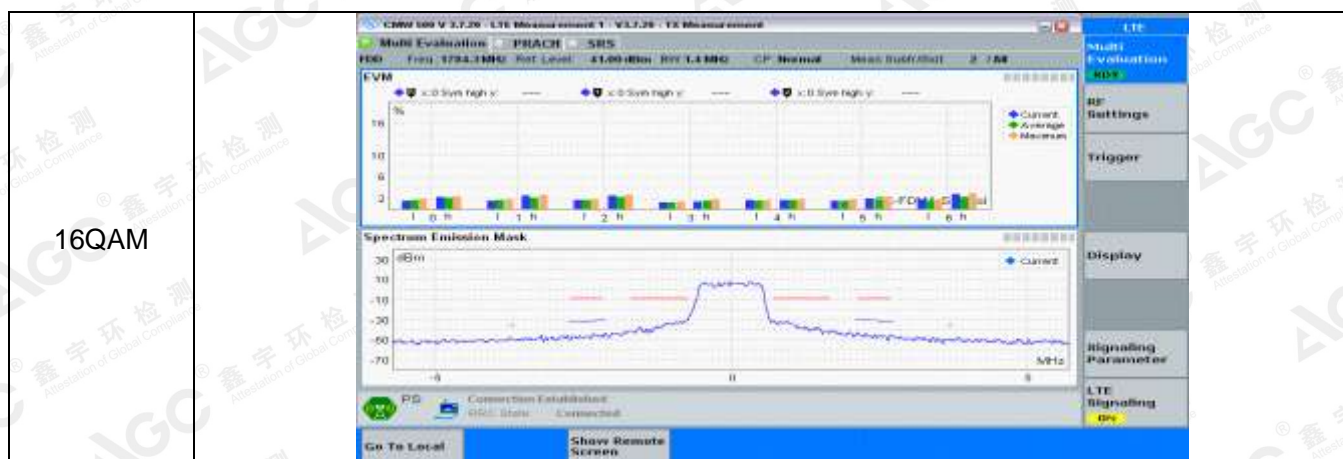
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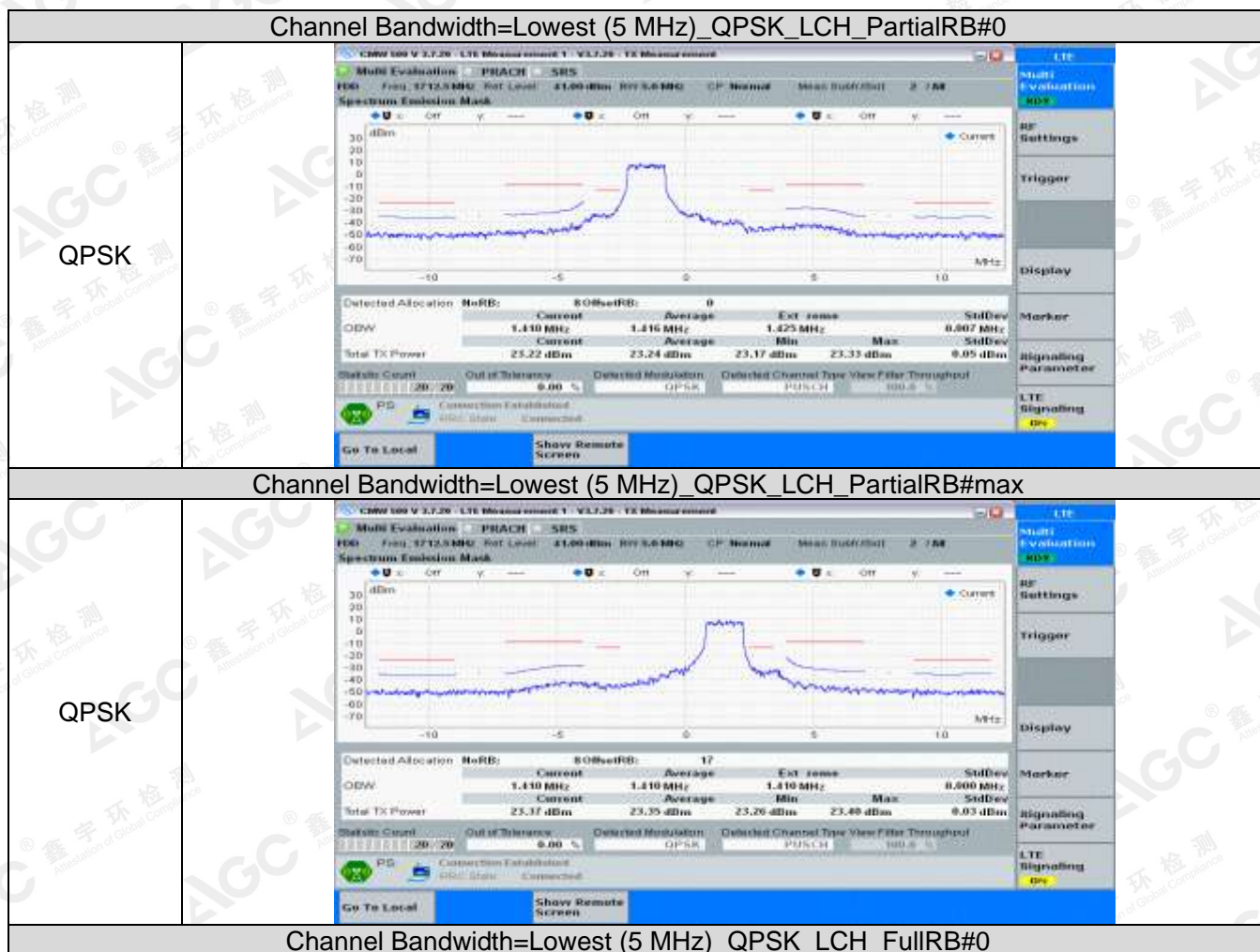
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16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0	

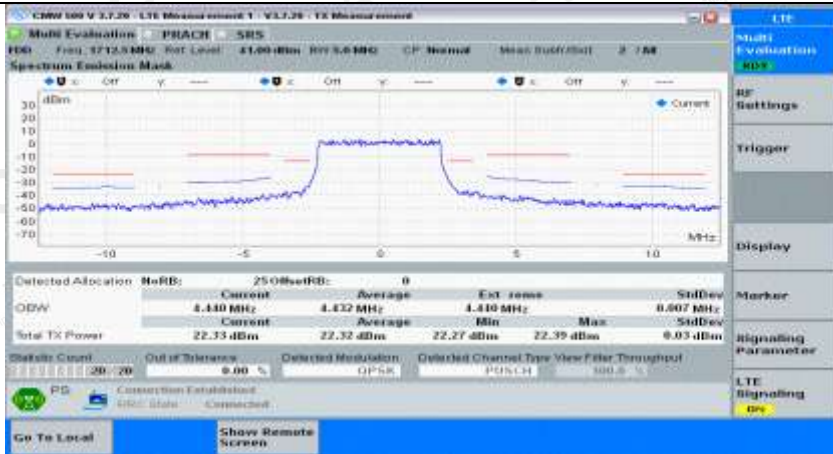
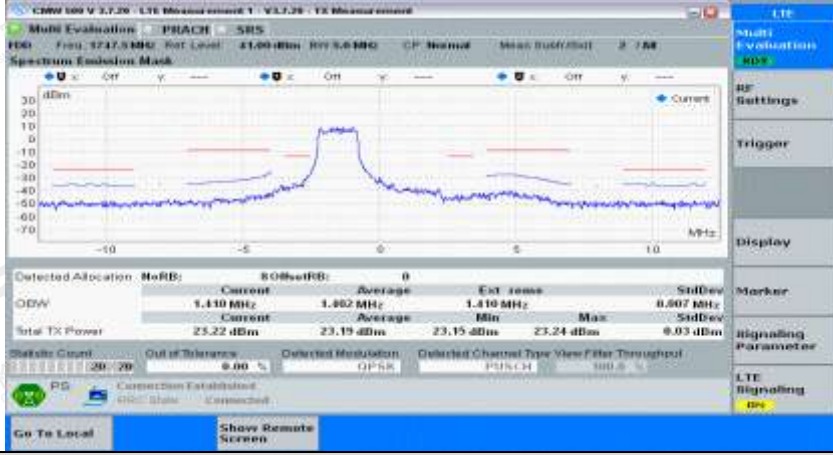
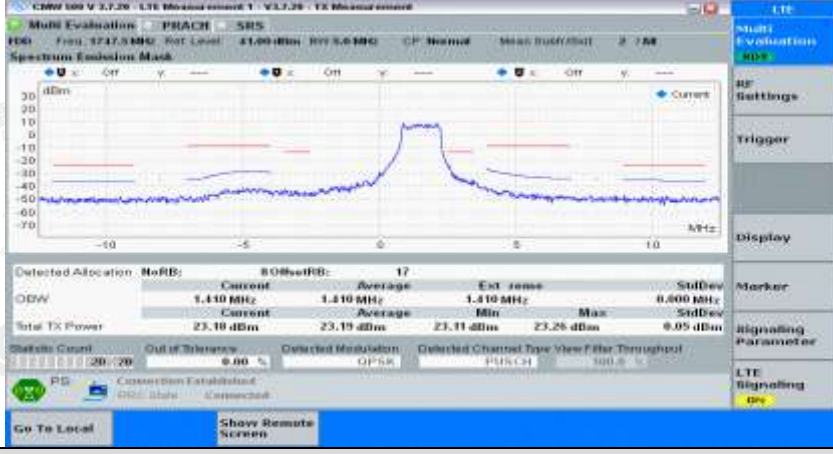
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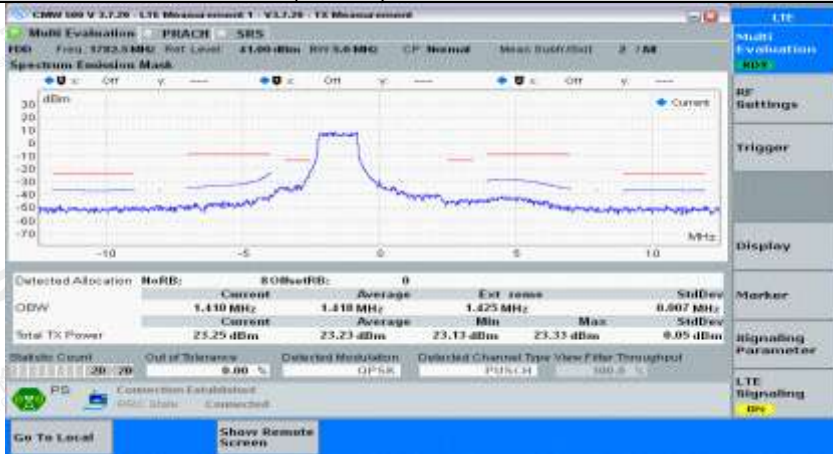
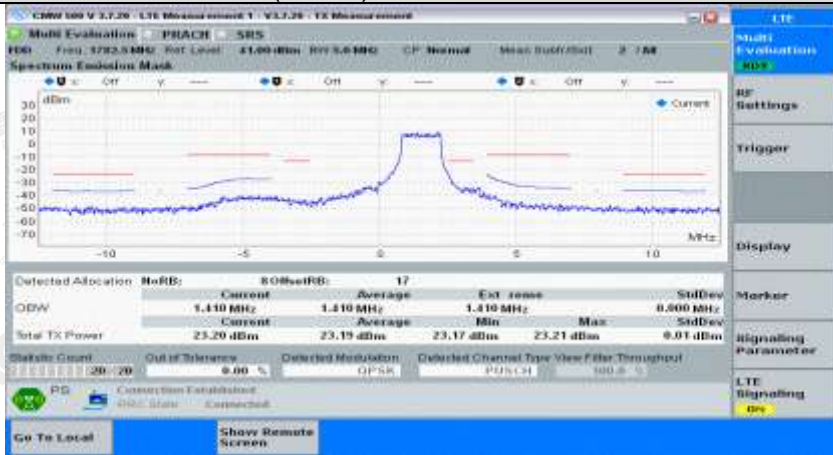
Channel Bandwidth= (5 MHz)



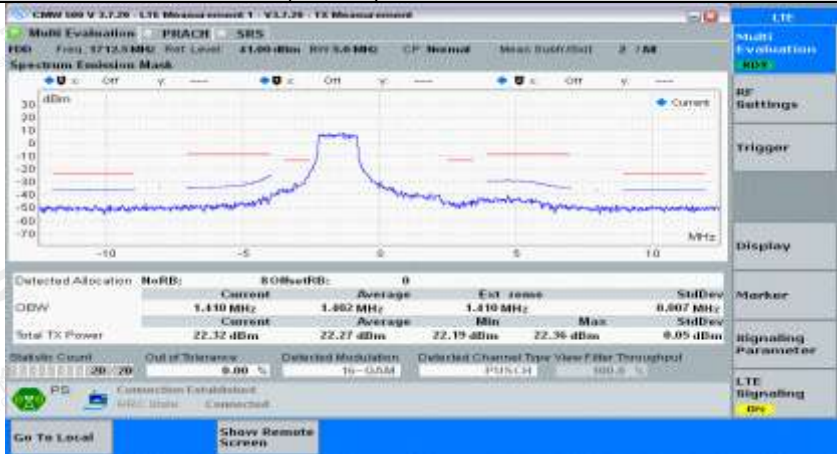
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	

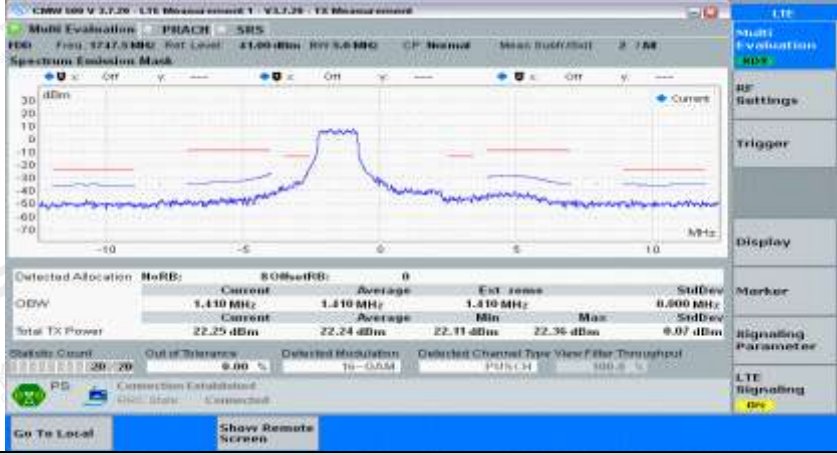
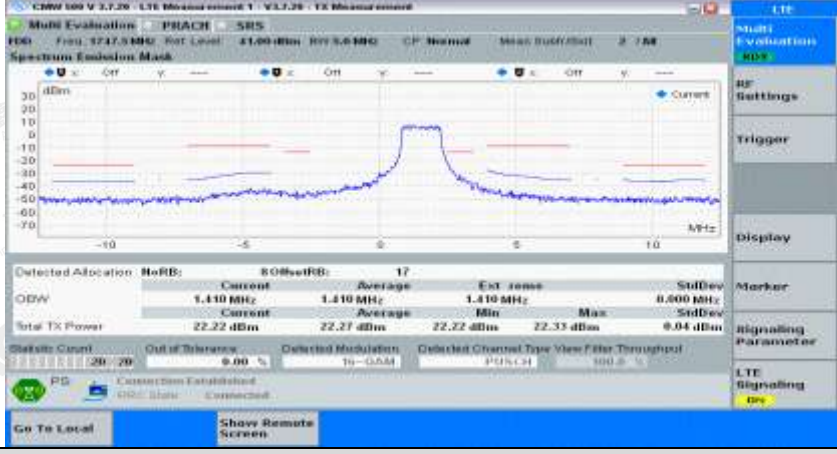
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	

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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	

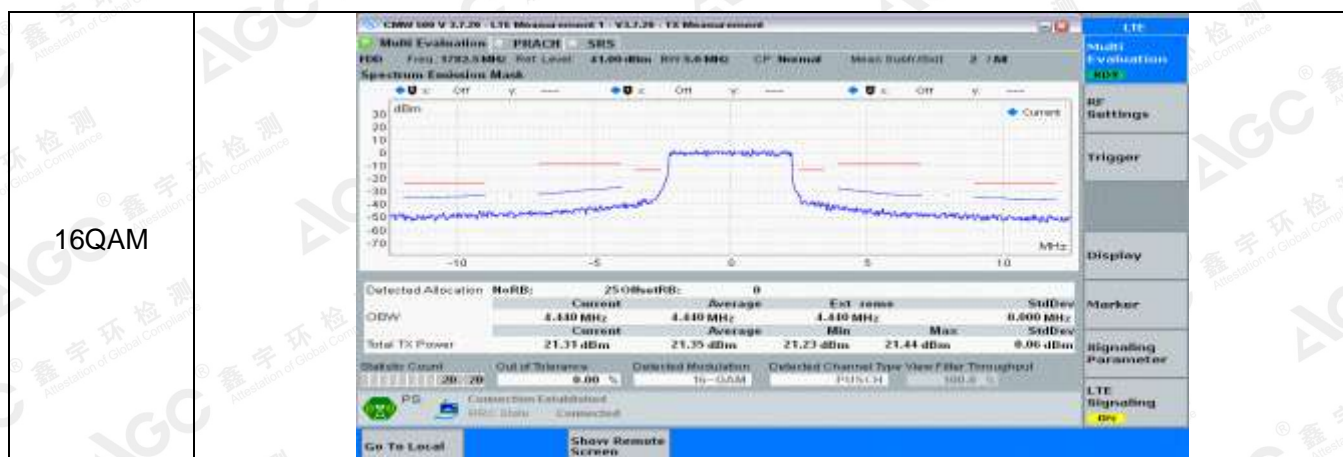
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	

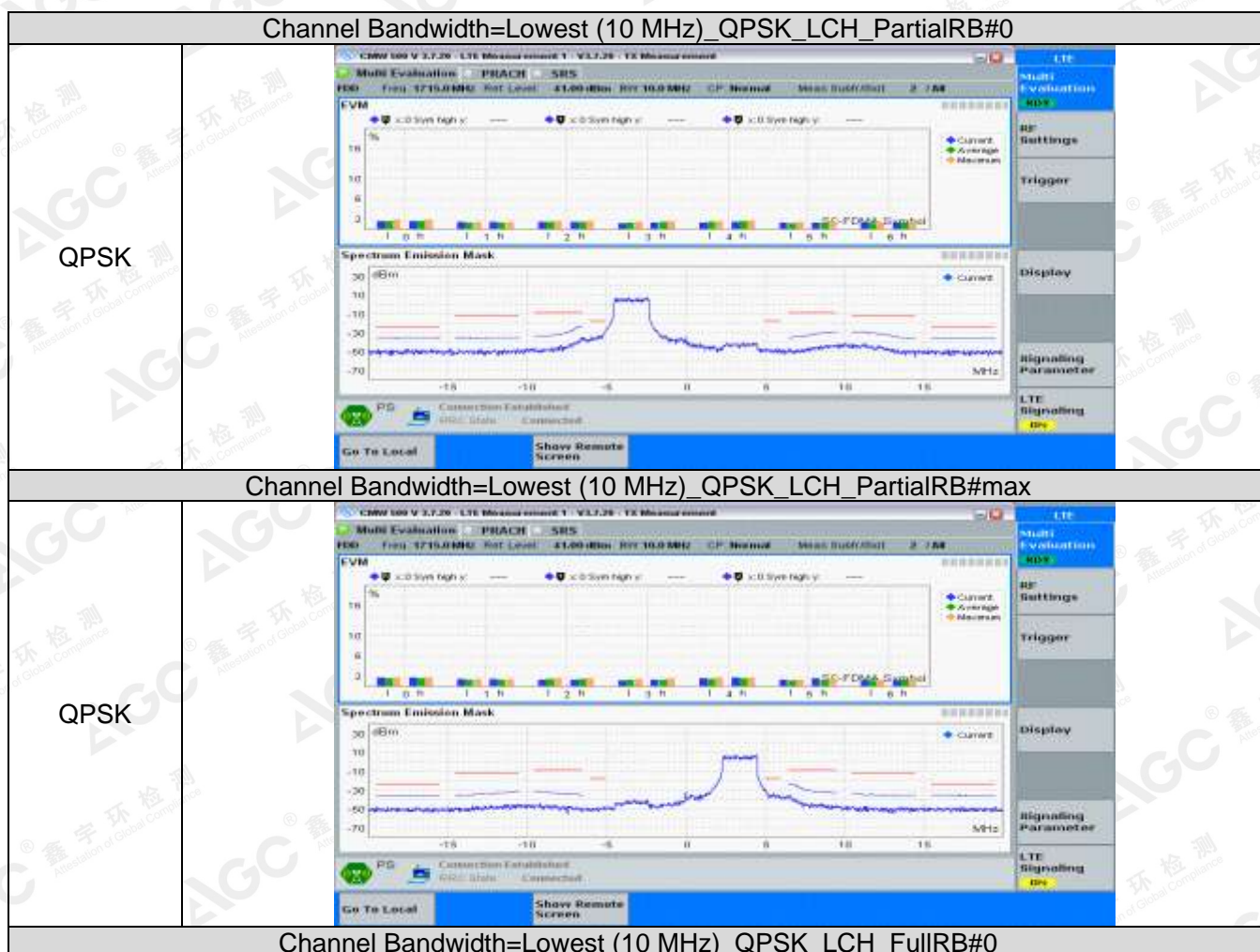
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	

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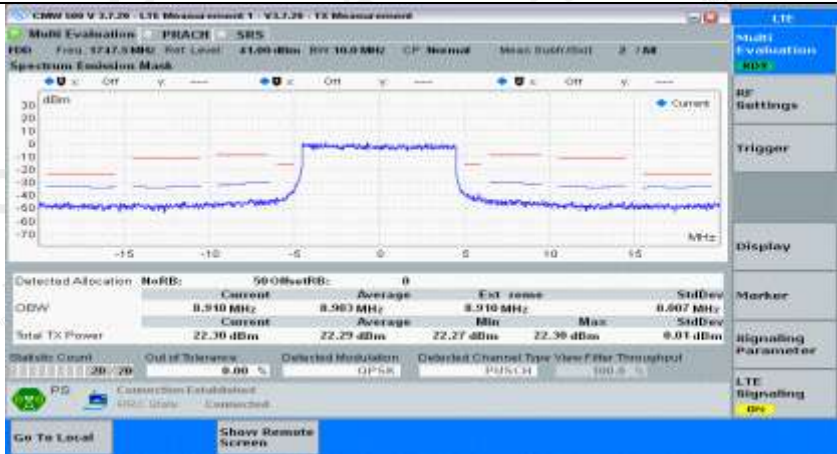
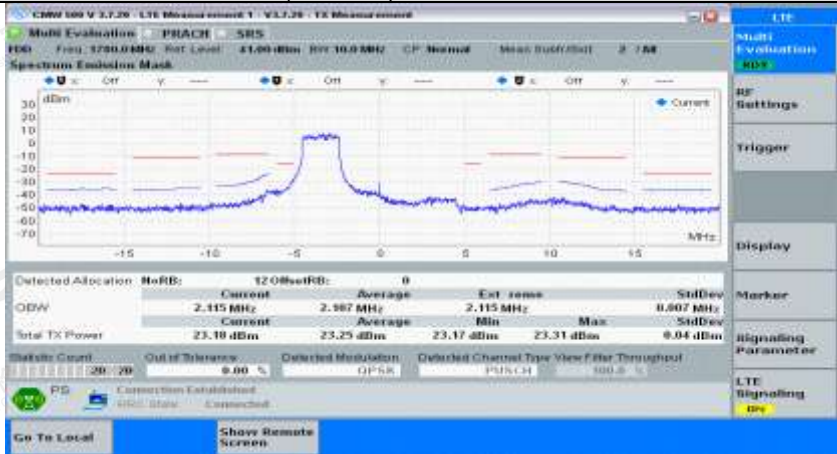
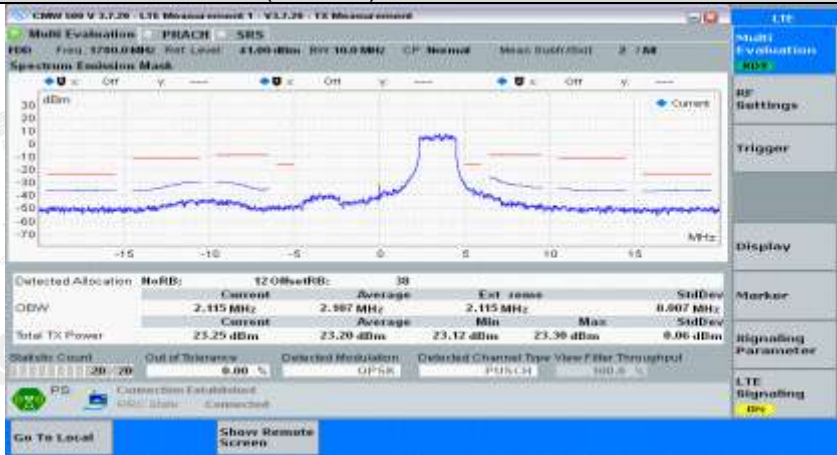
Channel Bandwidth= (10 MHz)



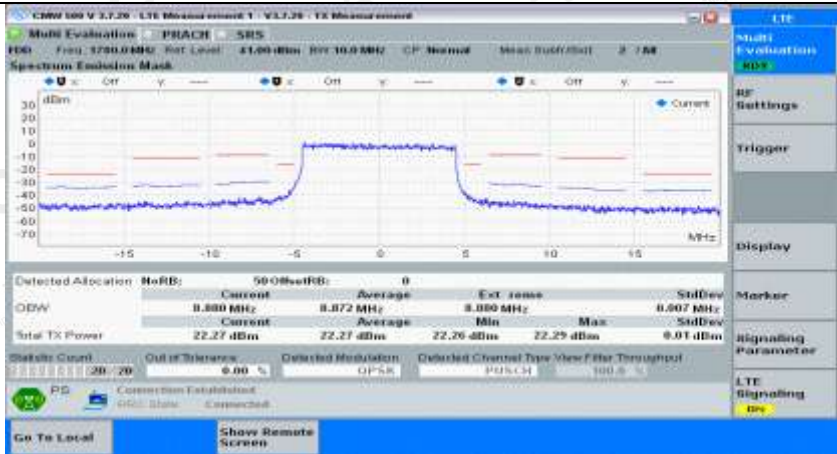
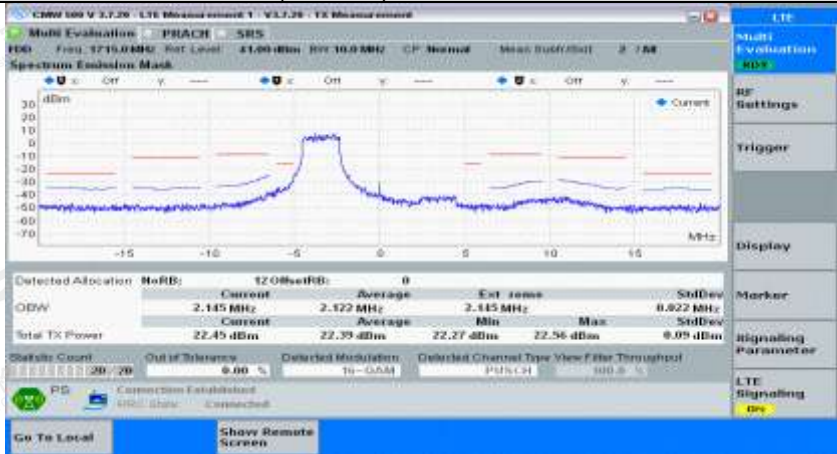
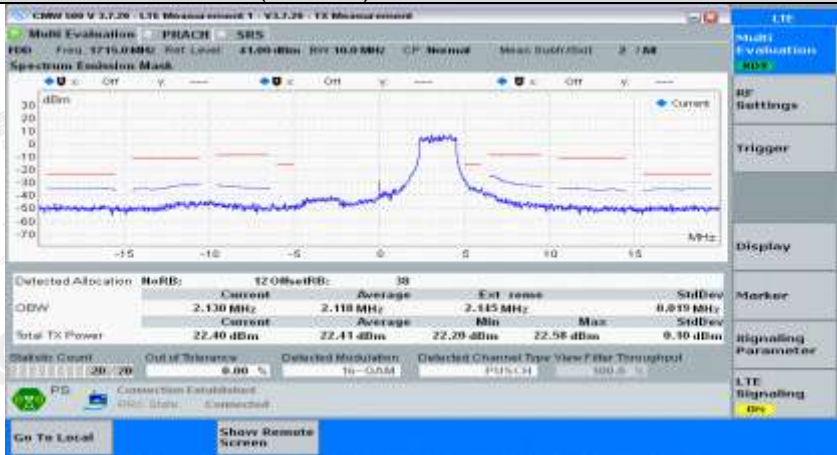
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	

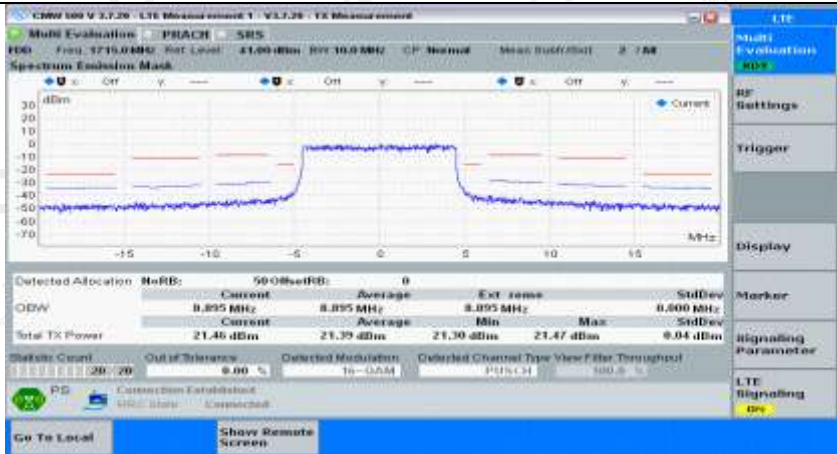
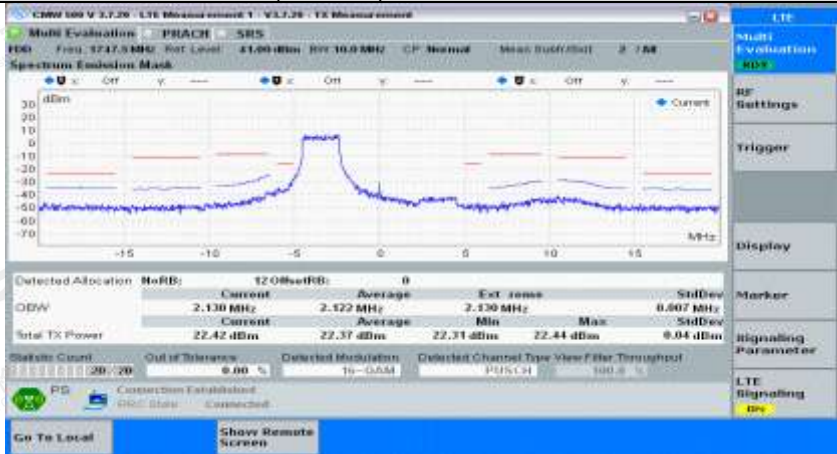
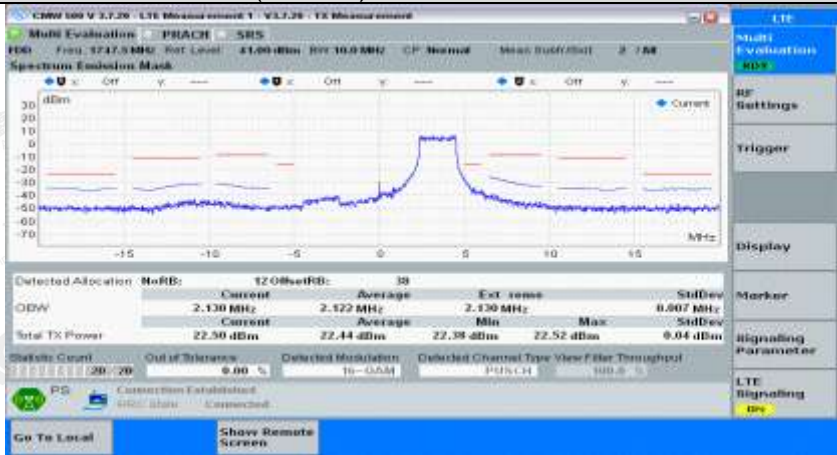
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	

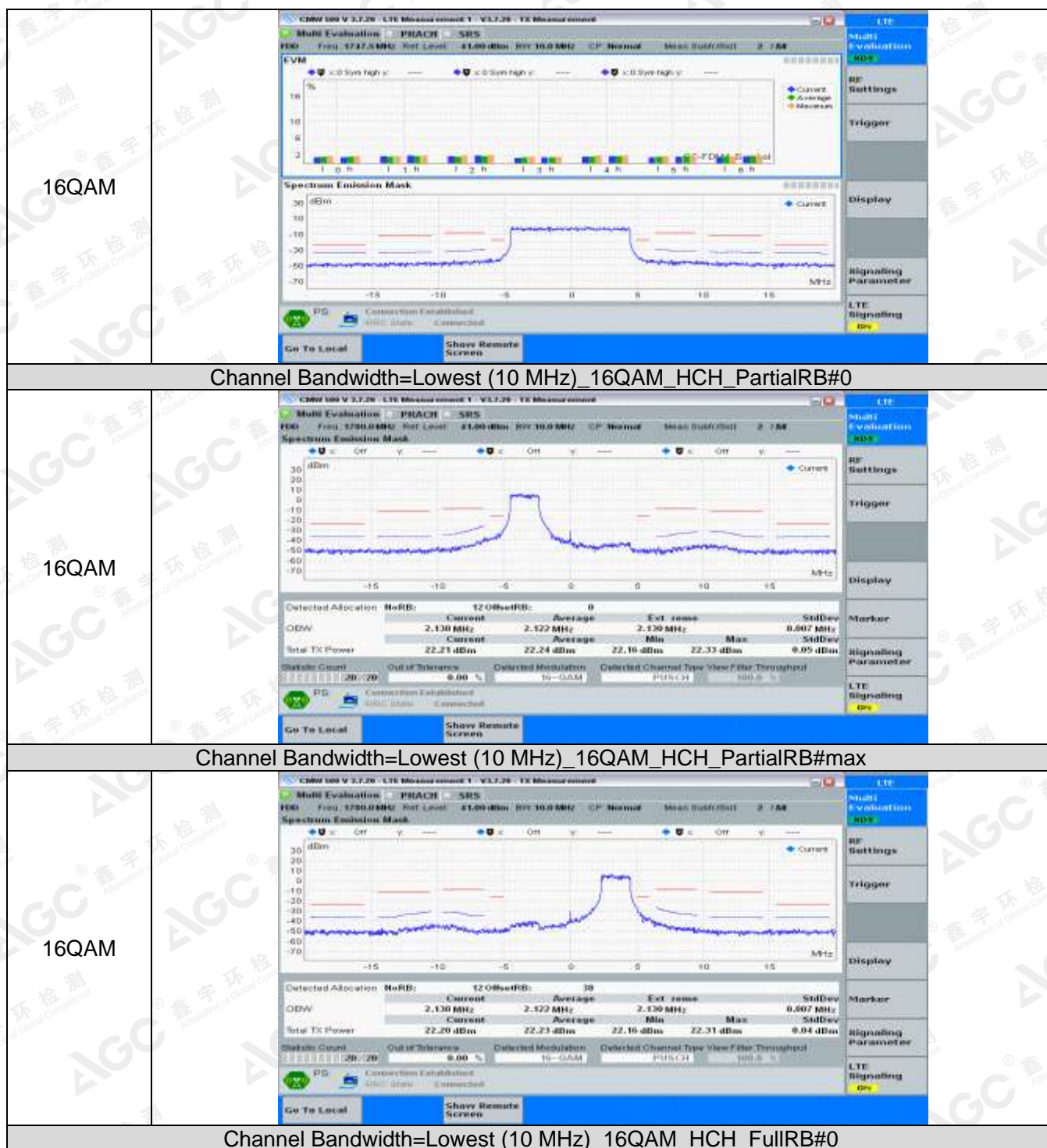
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	

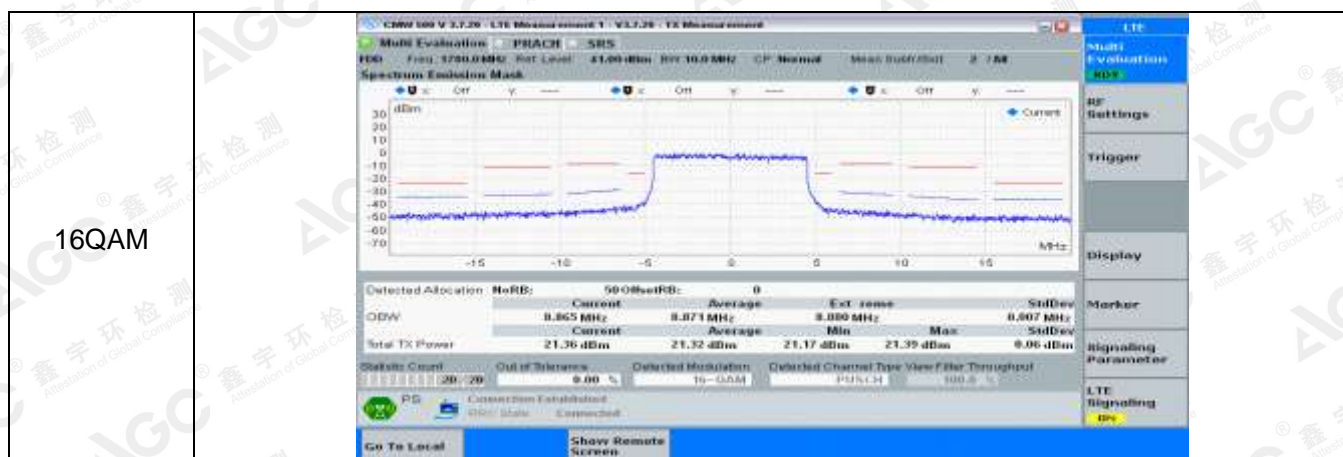
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullIRB#0	

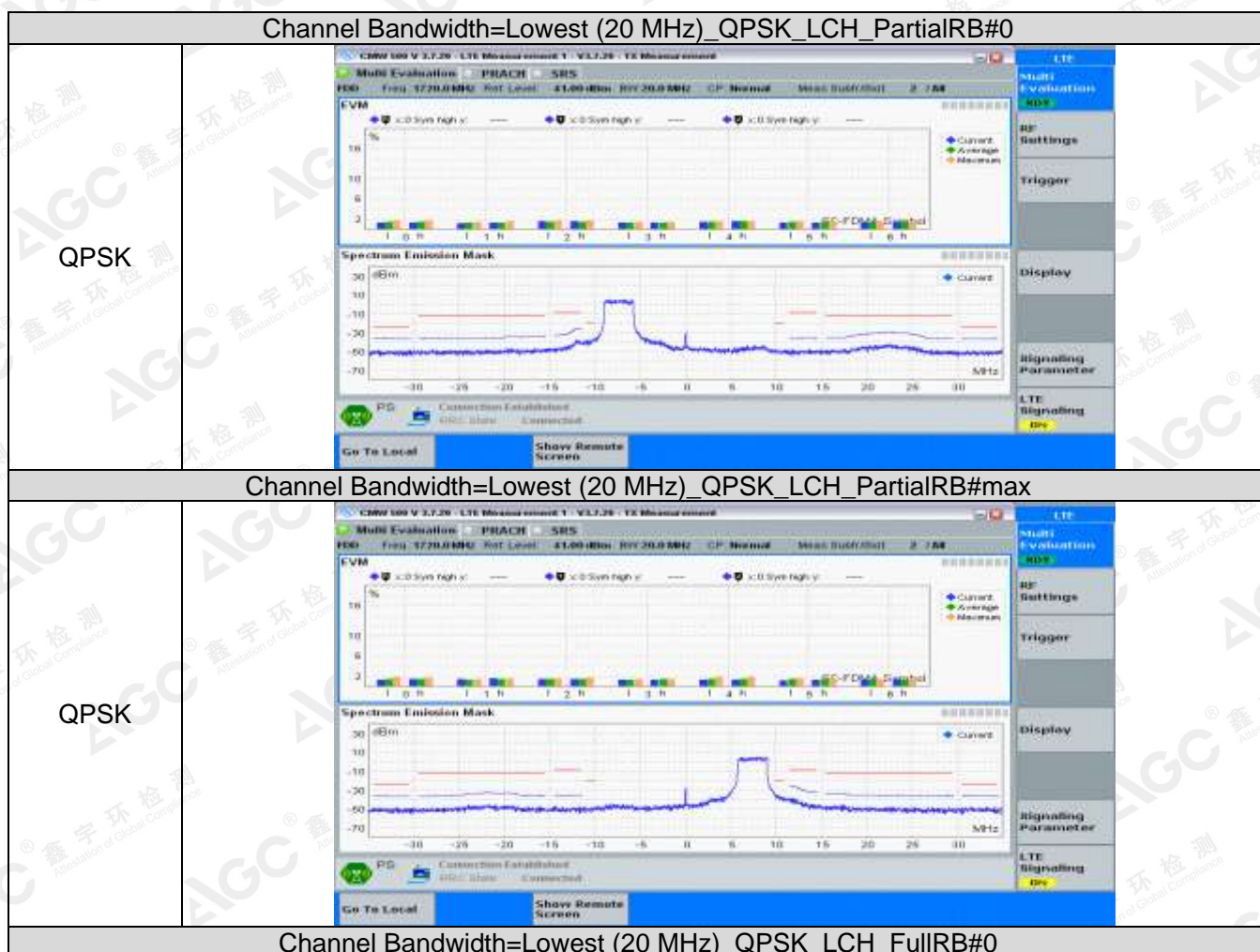
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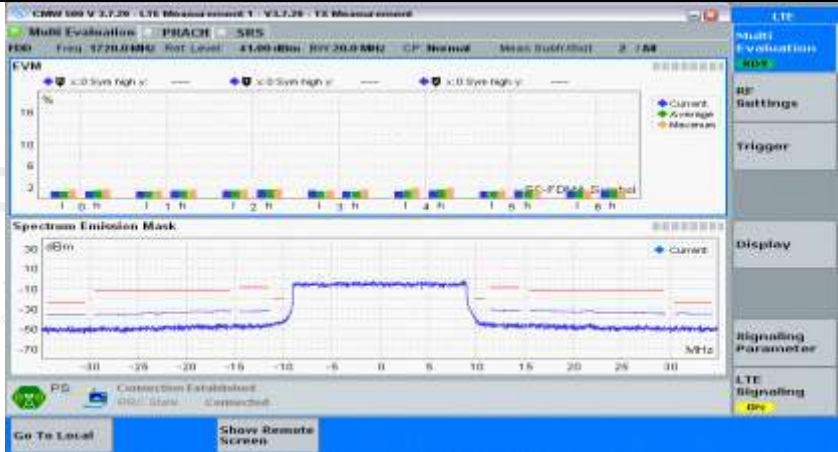
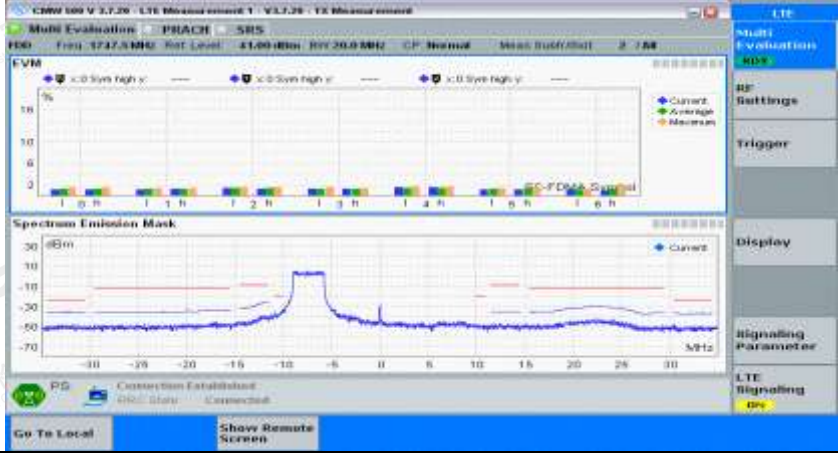
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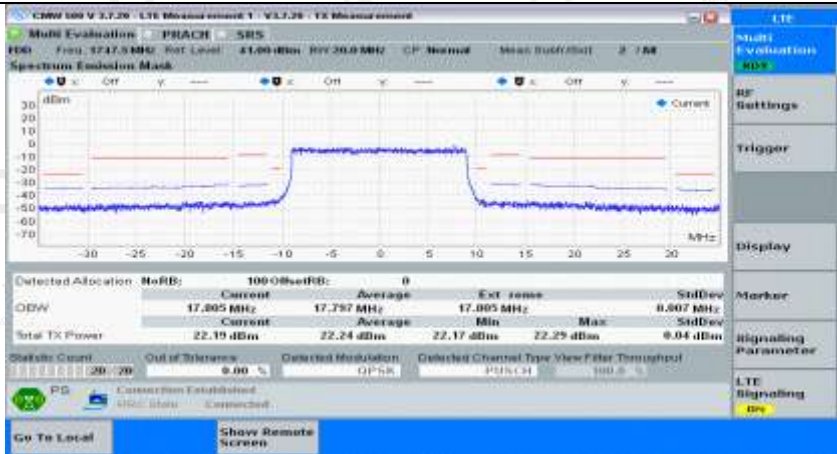
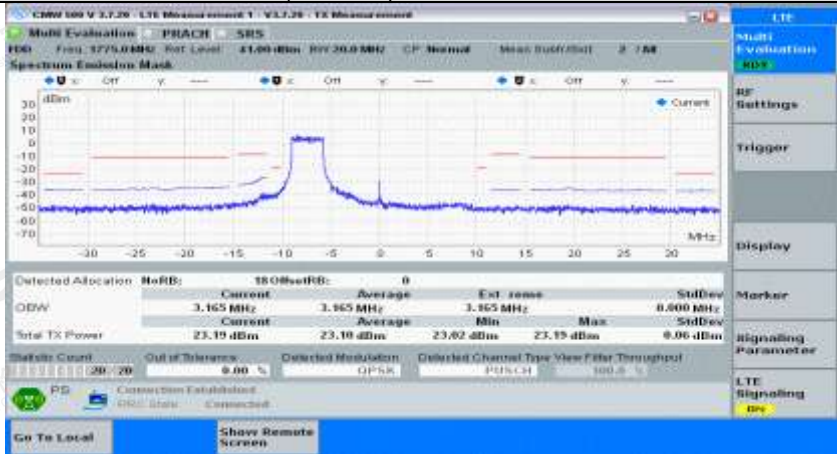
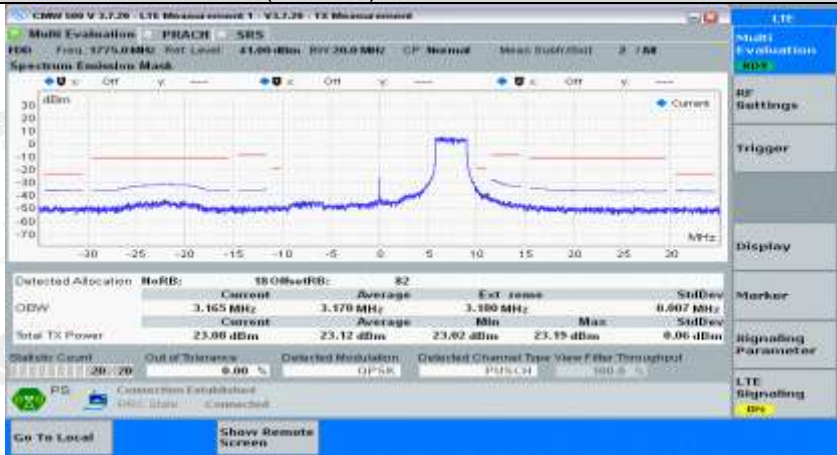
Channel Bandwidth=Highest (20 MHz)



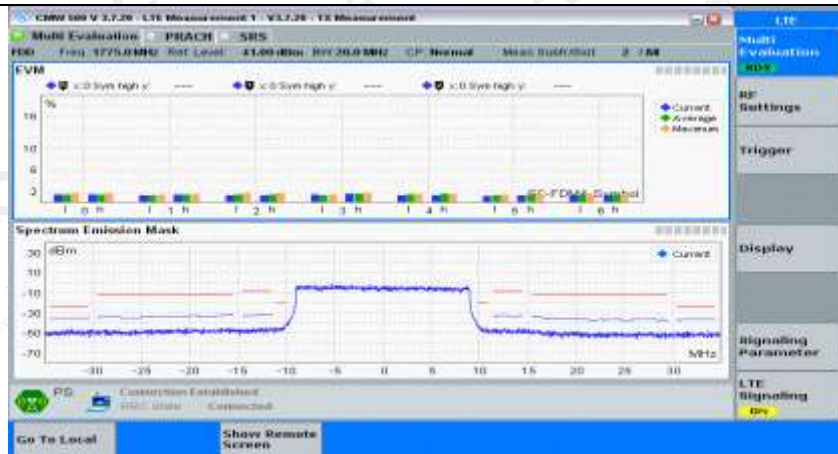
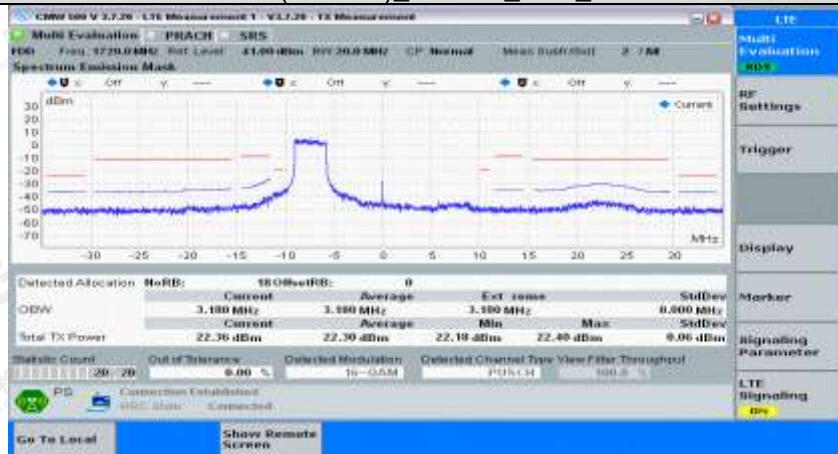
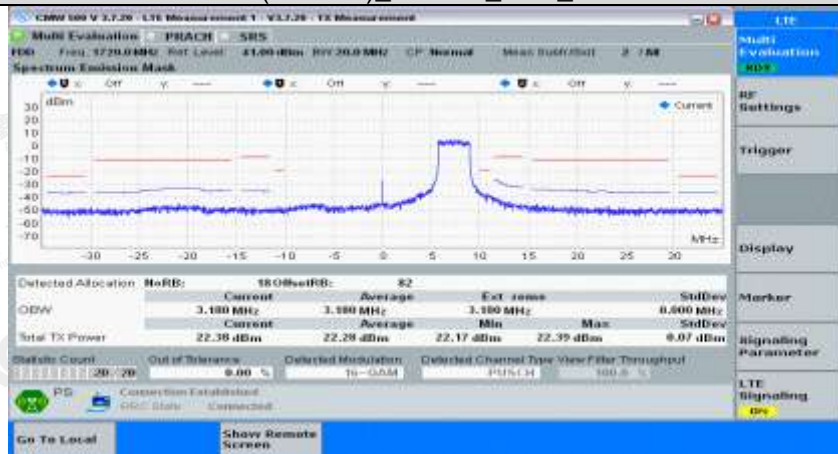
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QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	

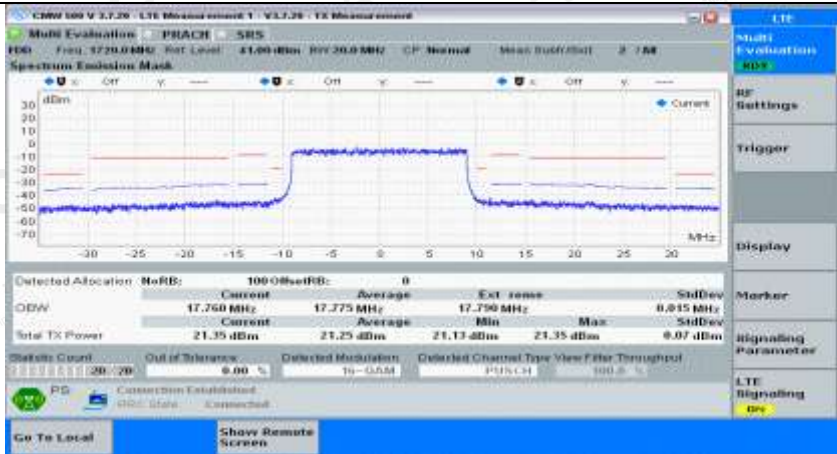
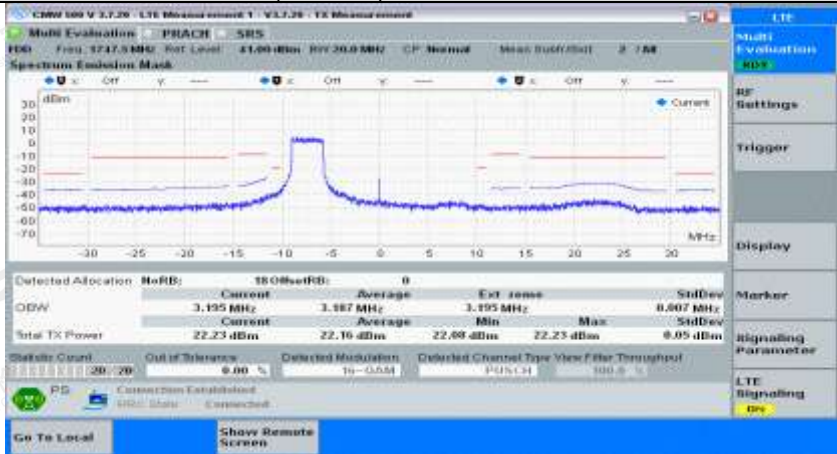
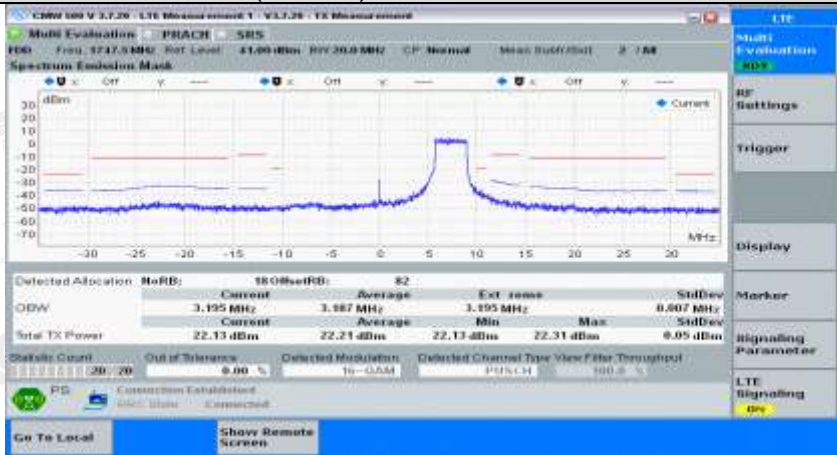
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QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0</p>

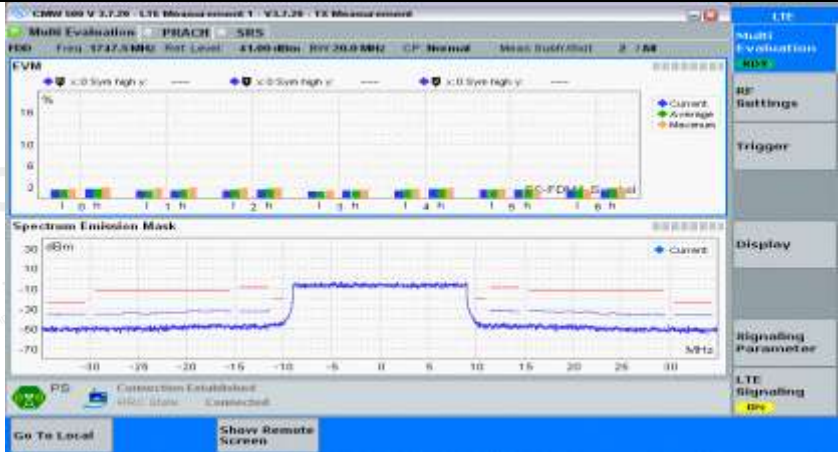
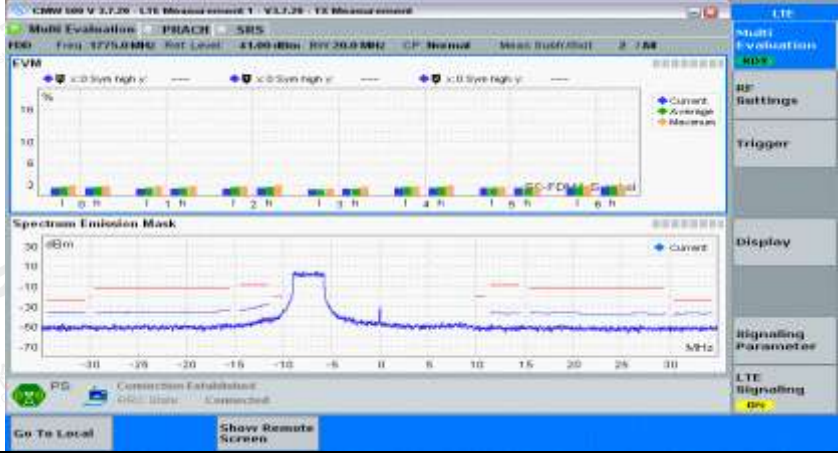
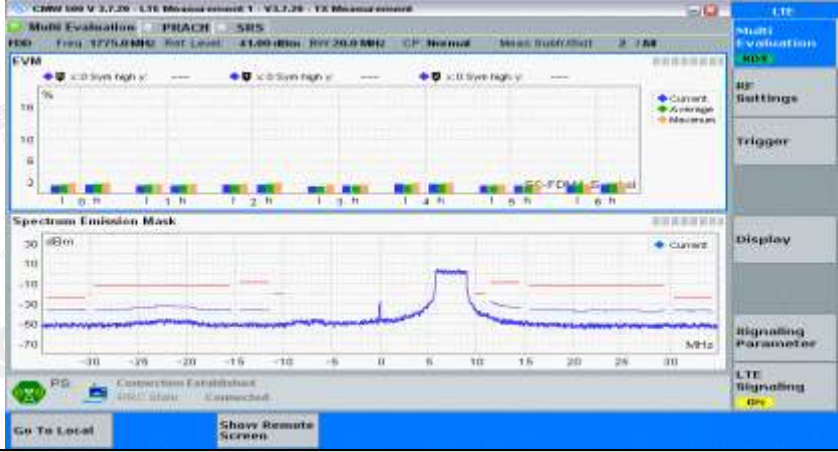
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QPSK																																					
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0																																					
16QAM	 <table data-bbox="469 1016 1265 1128"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB#</th><th colspan="2">180#NoRB#</th><th colspan="2">Average</th><th colspan="2">Ext. tones</th><th colspan="2">Subdiv</th></tr><tr><td>OBW</td><td>3.180 MHz</td><td>Current</td><td>3.180 MHz</td><td>Average</td><td>3.180 MHz</td><td>Ext. tones</td><td>0.800 MHz</td><td>Subdiv</td><td>0.800 MHz</td><td>Subdiv</td><td>0.800 MHz</td></tr><tr><td>Total TX Power</td><td>22.36 dBm</td><td>Current</td><td>22.30 dBm</td><td>Average</td><td>22.30 dBm</td><td>Min</td><td>22.48 dBm</td><td>Max</td><td>22.48 dBm</td><td>Subdiv</td><td>0.06 dBm</td></tr></table>	Detected Allocation		NoRB#		180#NoRB#		Average		Ext. tones		Subdiv		OBW	3.180 MHz	Current	3.180 MHz	Average	3.180 MHz	Ext. tones	0.800 MHz	Subdiv	0.800 MHz	Subdiv	0.800 MHz	Total TX Power	22.36 dBm	Current	22.30 dBm	Average	22.30 dBm	Min	22.48 dBm	Max	22.48 dBm	Subdiv	0.06 dBm
Detected Allocation		NoRB#		180#NoRB#		Average		Ext. tones		Subdiv																											
OBW	3.180 MHz	Current	3.180 MHz	Average	3.180 MHz	Ext. tones	0.800 MHz	Subdiv	0.800 MHz	Subdiv	0.800 MHz																										
Total TX Power	22.36 dBm	Current	22.30 dBm	Average	22.30 dBm	Min	22.48 dBm	Max	22.48 dBm	Subdiv	0.06 dBm																										
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max																																					
16QAM	 <table data-bbox="469 1487 1265 1599"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB#</th><th colspan="2">180#NoRB#</th><th colspan="2">Average</th><th colspan="2">Ext. tones</th><th colspan="2">Subdiv</th></tr><tr><td>OBW</td><td>3.180 MHz</td><td>Current</td><td>3.180 MHz</td><td>Average</td><td>3.180 MHz</td><td>Ext. tones</td><td>0.800 MHz</td><td>Subdiv</td><td>0.800 MHz</td><td>Subdiv</td><td>0.800 MHz</td></tr><tr><td>Total TX Power</td><td>22.38 dBm</td><td>Current</td><td>22.28 dBm</td><td>Average</td><td>22.17 dBm</td><td>Min</td><td>22.39 dBm</td><td>Max</td><td>22.39 dBm</td><td>Subdiv</td><td>0.07 dBm</td></tr></table>	Detected Allocation		NoRB#		180#NoRB#		Average		Ext. tones		Subdiv		OBW	3.180 MHz	Current	3.180 MHz	Average	3.180 MHz	Ext. tones	0.800 MHz	Subdiv	0.800 MHz	Subdiv	0.800 MHz	Total TX Power	22.38 dBm	Current	22.28 dBm	Average	22.17 dBm	Min	22.39 dBm	Max	22.39 dBm	Subdiv	0.07 dBm
Detected Allocation		NoRB#		180#NoRB#		Average		Ext. tones		Subdiv																											
OBW	3.180 MHz	Current	3.180 MHz	Average	3.180 MHz	Ext. tones	0.800 MHz	Subdiv	0.800 MHz	Subdiv	0.800 MHz																										
Total TX Power	22.38 dBm	Current	22.28 dBm	Average	22.17 dBm	Min	22.39 dBm	Max	22.39 dBm	Subdiv	0.07 dBm																										
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0																																					

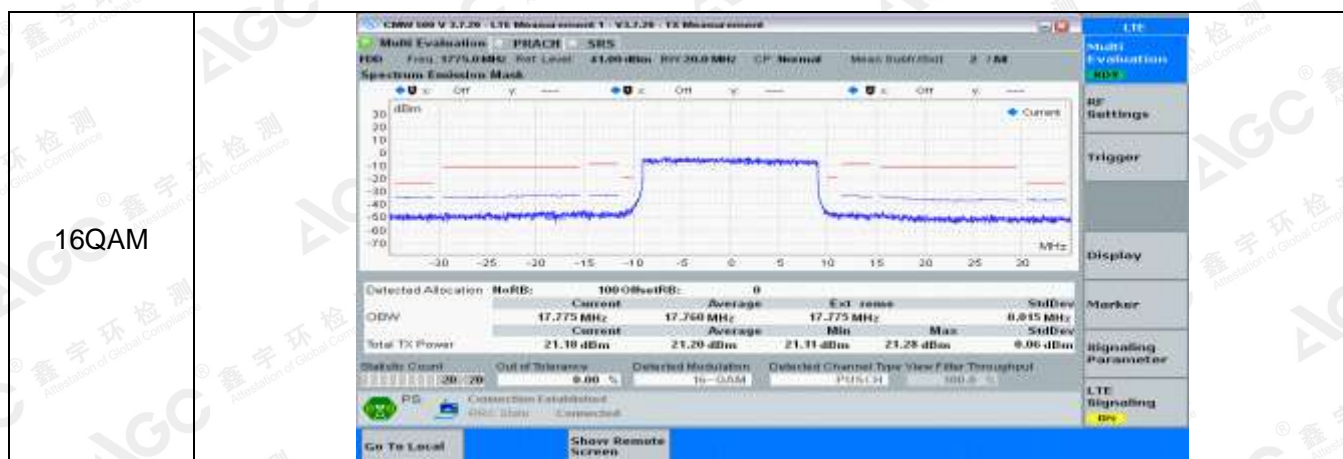
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16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullIRB#0	

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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.

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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

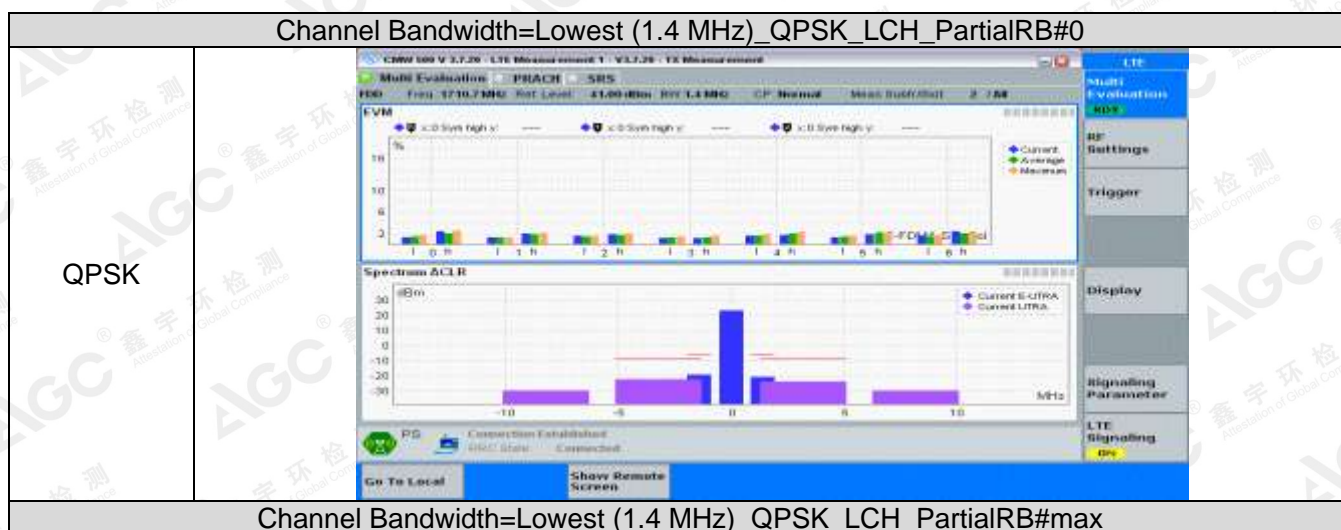
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	16QAM		High range		max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
			Low range		max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
			Mid range		max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
			High range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

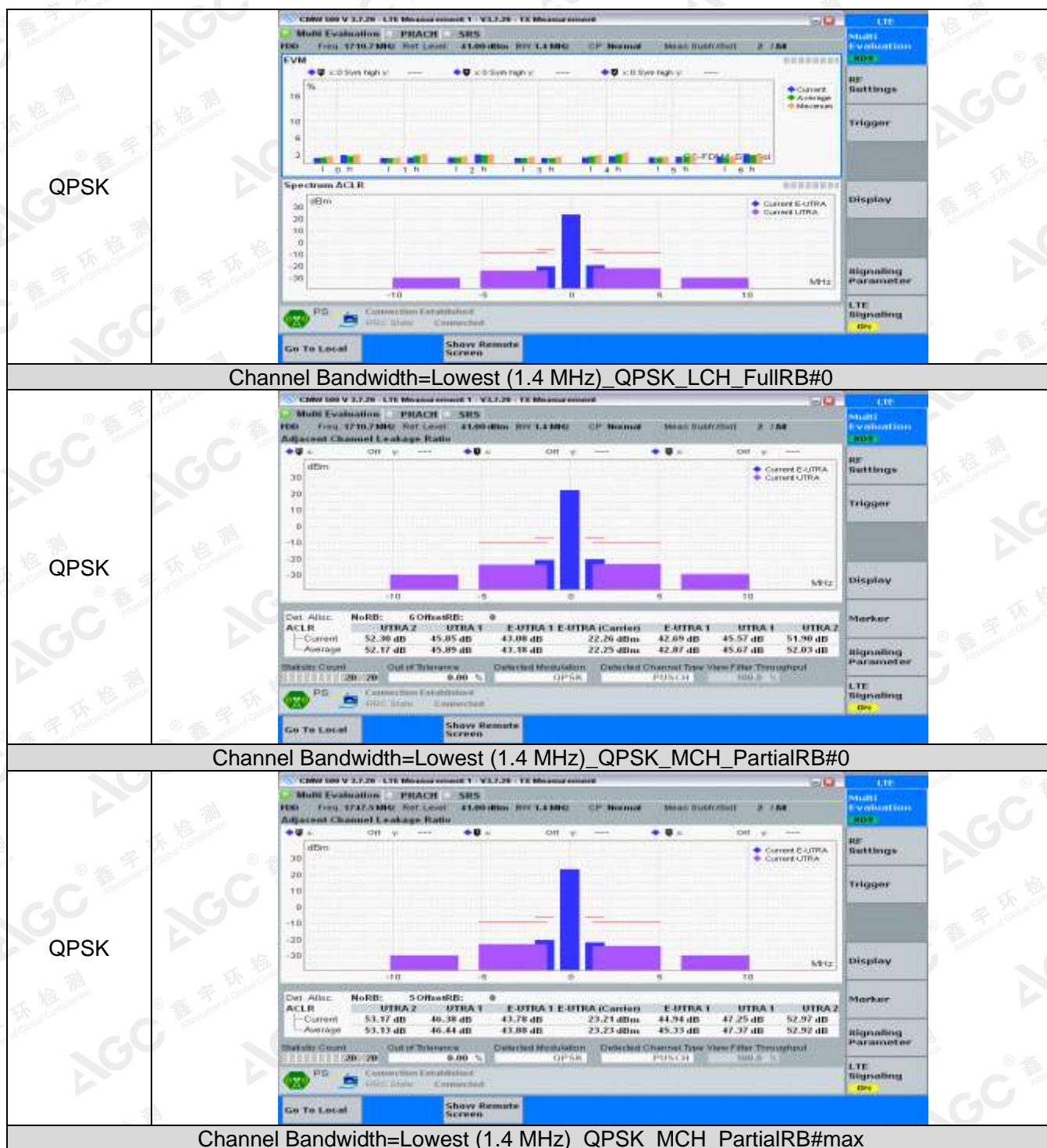
Test Graphs

NTNV




Channel Bandwidth=Lowest (1.4 MHz)






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QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0</p>
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>

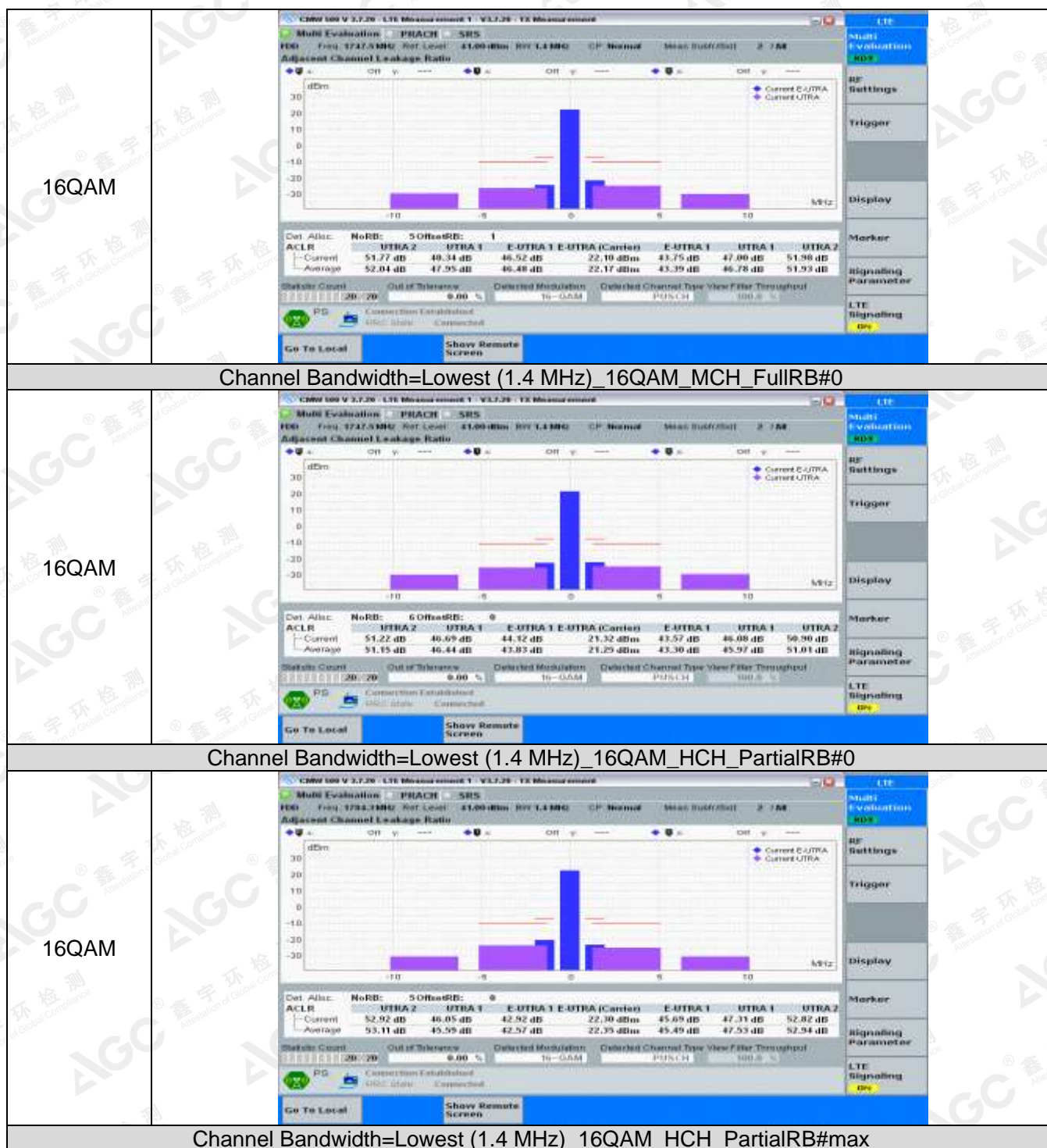
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QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max</p>

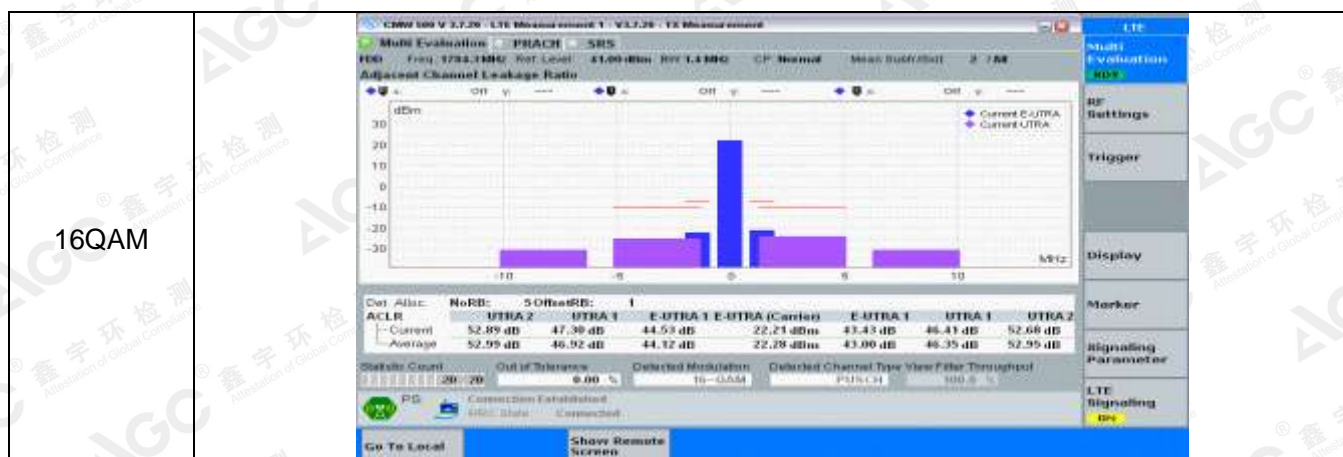
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16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max</p>

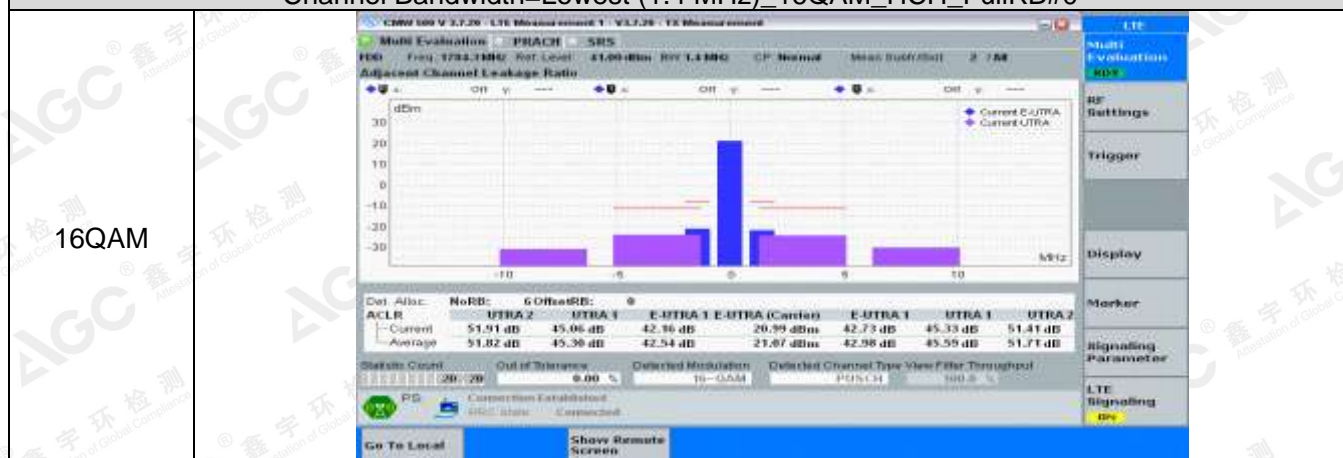
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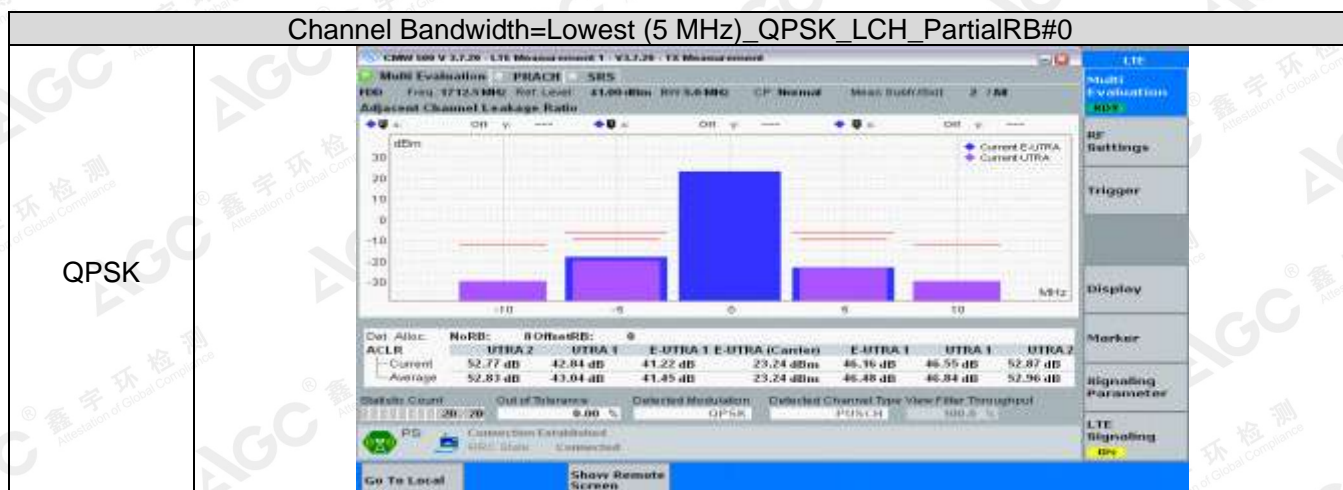
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Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0



Channel Bandwidth=(5 MHz)



Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max




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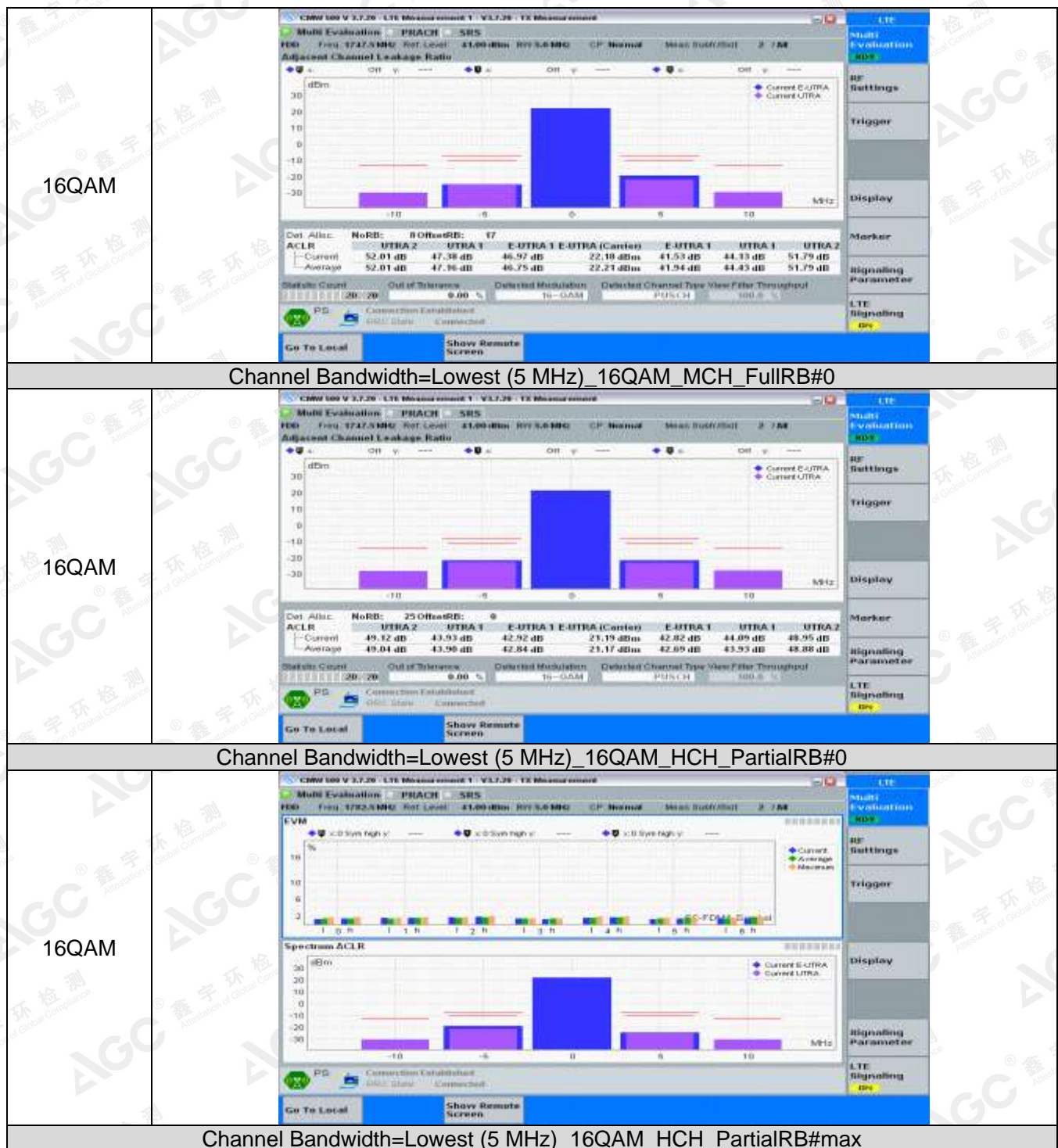
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QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>

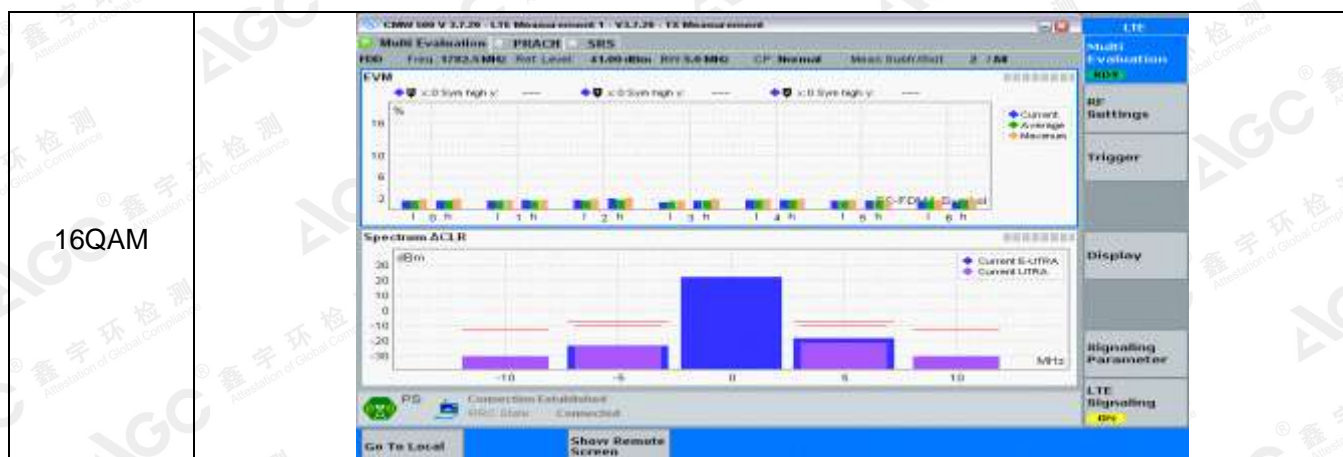
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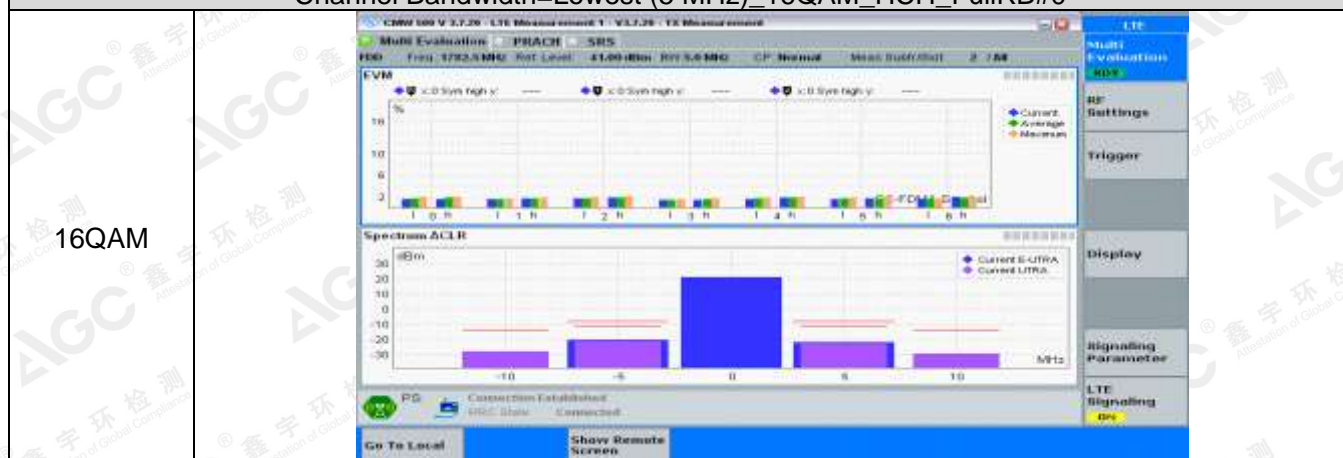
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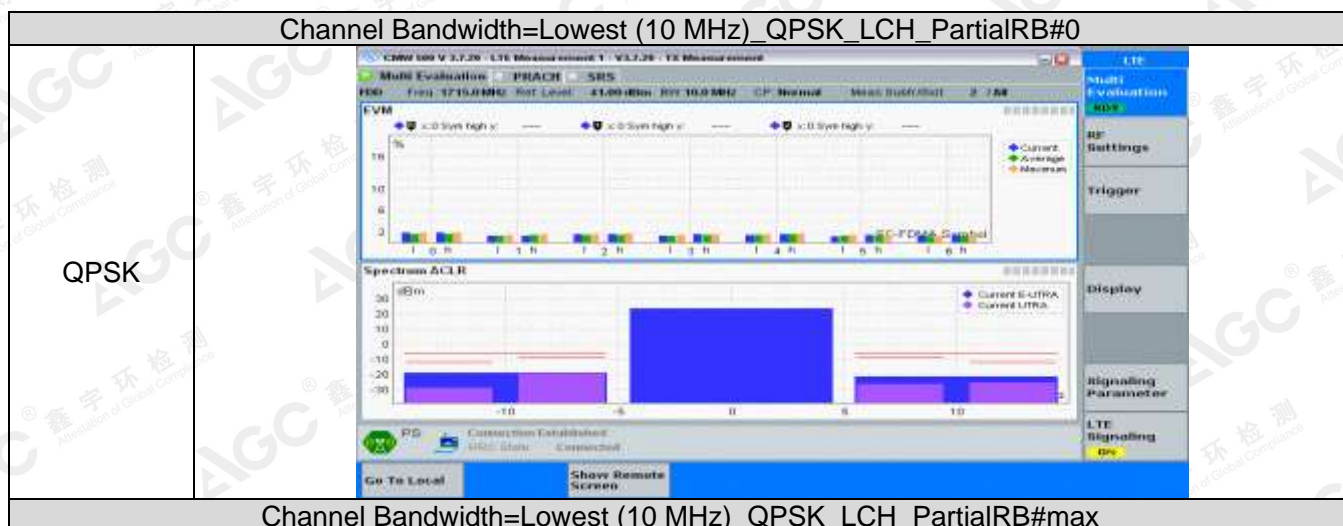
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Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0



Channel Bandwidth=(10 MHz)



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QPSK	 <table><tr><th>Det. Alisc</th><th>NoRB</th><th>12 OffRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Center)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>49.78 dB</td><td>50.98 dB</td><td>45.72 dB</td><td>23.26 dBm</td><td>44.13 dB</td><td>45.30 dB</td><td>51.30 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>49.61 dB</td><td>50.97 dB</td><td>45.62 dB</td><td>23.20 dBm</td><td>44.02 dB</td><td>45.13 dB</td><td>51.35 dB</td><td></td><td></td><td></td></tr></table>	Det. Alisc	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Center)	E-UTRA 1	UTRA 1	UTRA 2	Current	49.78 dB	50.98 dB	45.72 dB	23.26 dBm	44.13 dB	45.30 dB	51.30 dB				Average	49.61 dB	50.97 dB	45.62 dB	23.20 dBm	44.02 dB	45.13 dB	51.35 dB			
Det. Alisc	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Center)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	49.78 dB	50.98 dB	45.72 dB	23.26 dBm	44.13 dB	45.30 dB	51.30 dB																											
Average	49.61 dB	50.97 dB	45.62 dB	23.20 dBm	44.02 dB	45.13 dB	51.35 dB																											
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0																																		
QPSK	 <table><tr><th>Det. Alisc</th><th>NoRB</th><th>50 OffRB</th><th>8</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Center)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>49.15 dB</td><td>45.82 dB</td><td>43.53 dB</td><td>22.26 dBm</td><td>45.59 dB</td><td>47.68 dB</td><td>51.77 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>49.02 dB</td><td>46.08 dB</td><td>43.63 dB</td><td>22.28 dBm</td><td>45.54 dB</td><td>47.64 dB</td><td>51.69 dB</td><td></td><td></td><td></td></tr></table>	Det. Alisc	NoRB	50 OffRB	8	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Center)	E-UTRA 1	UTRA 1	UTRA 2	Current	49.15 dB	45.82 dB	43.53 dB	22.26 dBm	45.59 dB	47.68 dB	51.77 dB				Average	49.02 dB	46.08 dB	43.63 dB	22.28 dBm	45.54 dB	47.64 dB	51.69 dB			
Det. Alisc	NoRB	50 OffRB	8	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Center)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	49.15 dB	45.82 dB	43.53 dB	22.26 dBm	45.59 dB	47.68 dB	51.77 dB																											
Average	49.02 dB	46.08 dB	43.63 dB	22.28 dBm	45.54 dB	47.64 dB	51.69 dB																											
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0																																		
16QAM	 <table><tr><th>Det. Alisc</th><th>NoRB</th><th>12 OffRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Center)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>51.72 dB</td><td>43.26 dB</td><td>42.23 dB</td><td>22.51 dBm</td><td>44.64 dB</td><td>49.05 dB</td><td>48.60 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>51.69 dB</td><td>43.04 dB</td><td>41.99 dB</td><td>22.39 dBm</td><td>44.69 dB</td><td>49.15 dB</td><td>48.70 dB</td><td></td><td></td><td></td></tr></table>	Det. Alisc	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Center)	E-UTRA 1	UTRA 1	UTRA 2	Current	51.72 dB	43.26 dB	42.23 dB	22.51 dBm	44.64 dB	49.05 dB	48.60 dB				Average	51.69 dB	43.04 dB	41.99 dB	22.39 dBm	44.69 dB	49.15 dB	48.70 dB			
Det. Alisc	NoRB	12 OffRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Center)	E-UTRA 1	UTRA 1	UTRA 2																								
Current	51.72 dB	43.26 dB	42.23 dB	22.51 dBm	44.64 dB	49.05 dB	48.60 dB																											
Average	51.69 dB	43.04 dB	41.99 dB	22.39 dBm	44.69 dB	49.15 dB	48.70 dB																											
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max																																		

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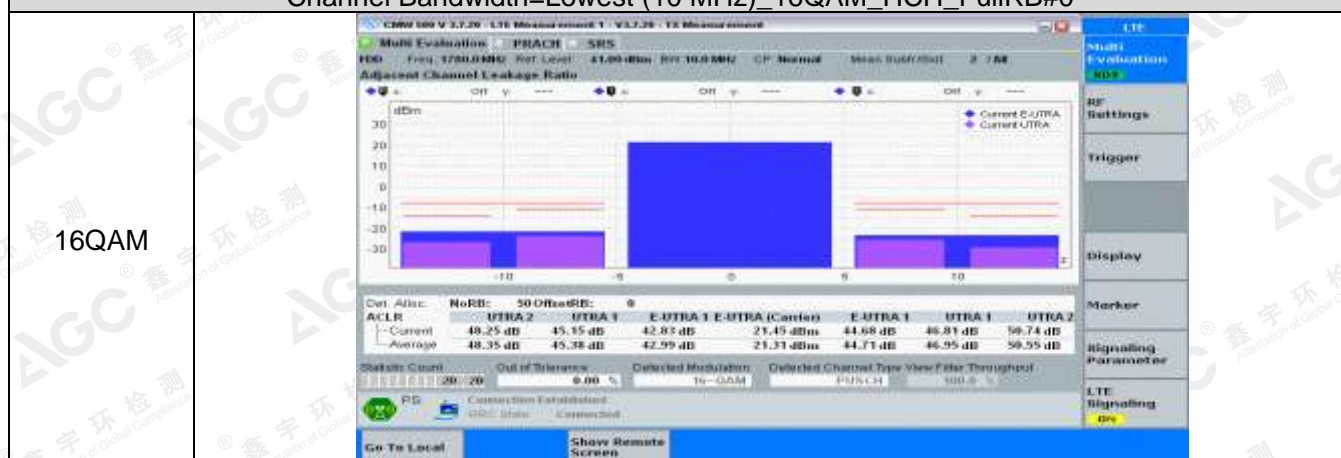


16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	

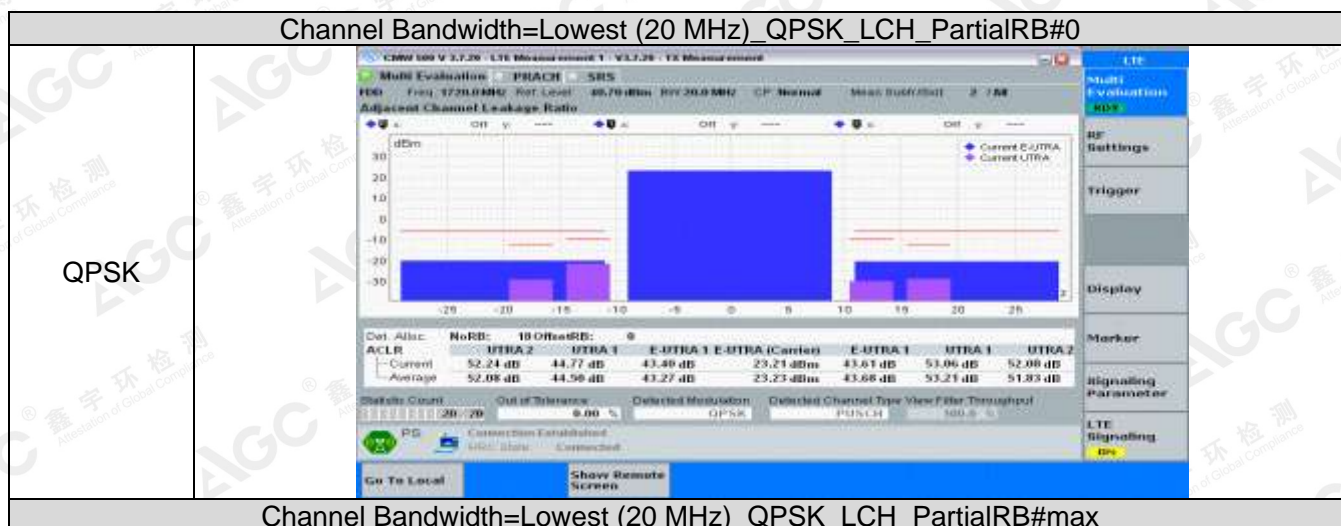
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Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0



Channel Bandwidth=Highest (20 MHz)



Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max

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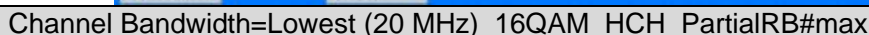
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QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>

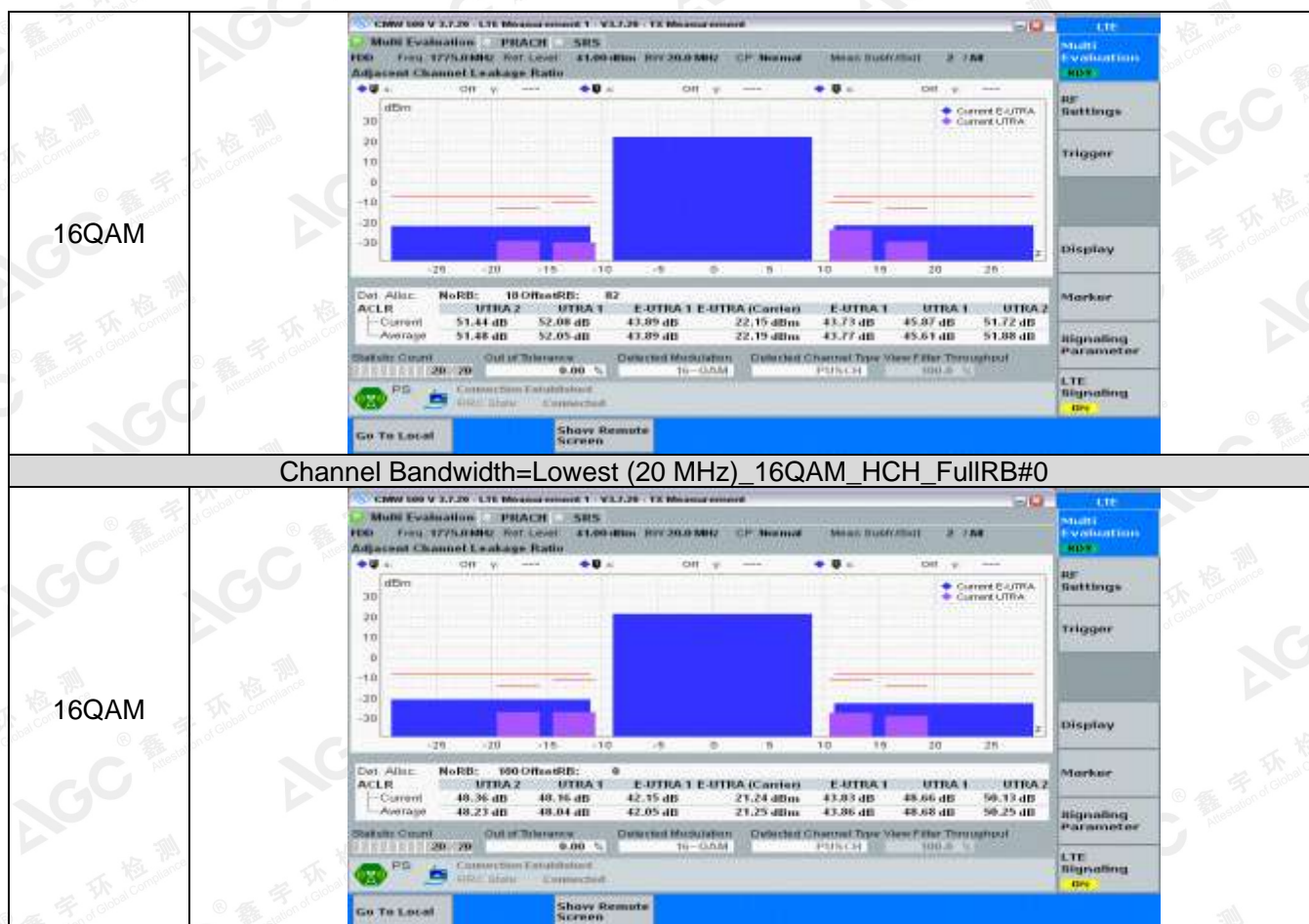
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16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max	

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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

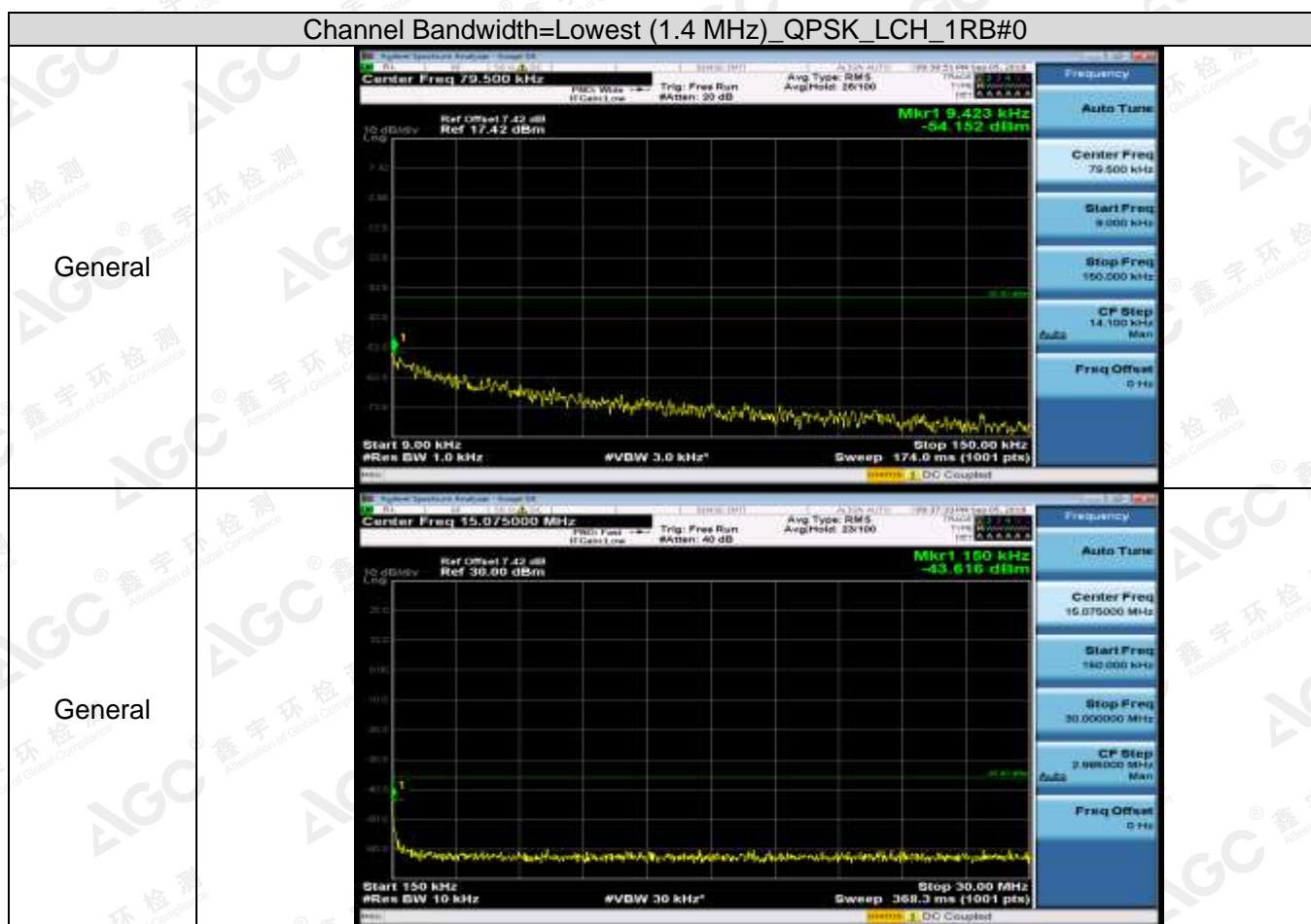
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

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

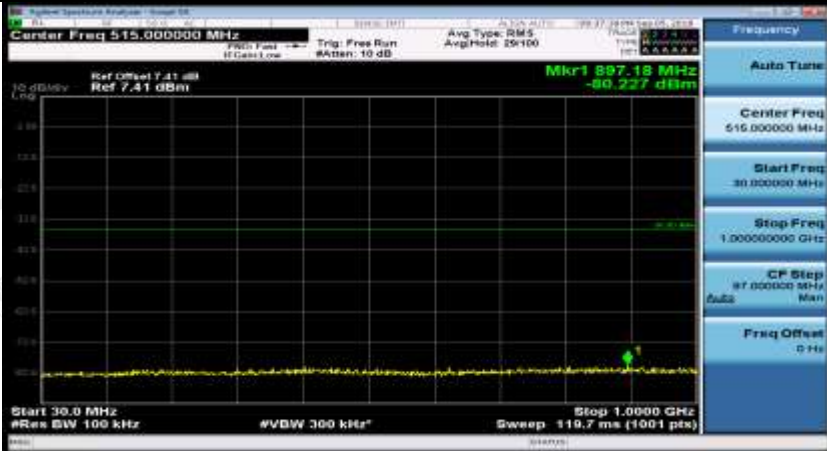
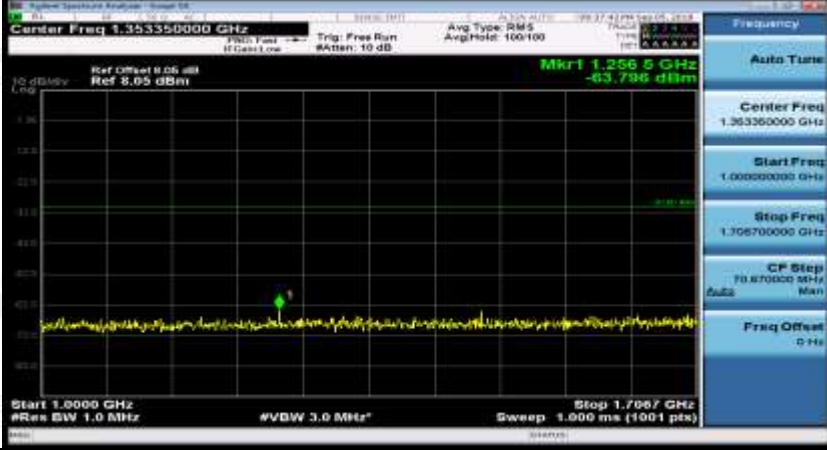

Test Graphs

NTNV

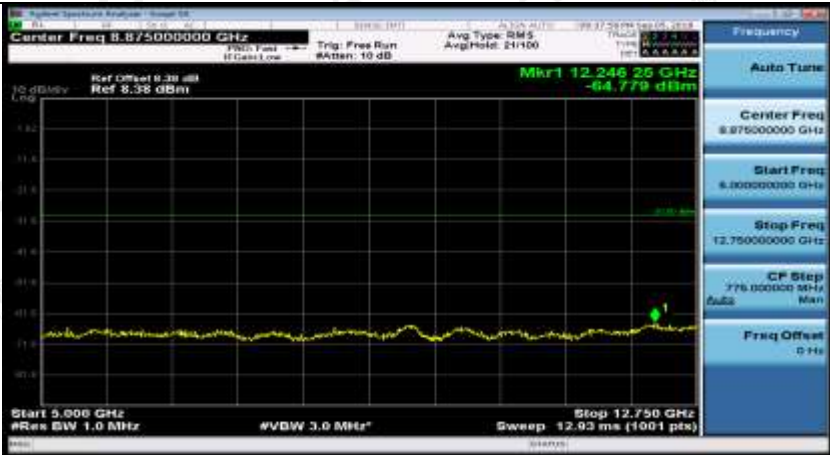
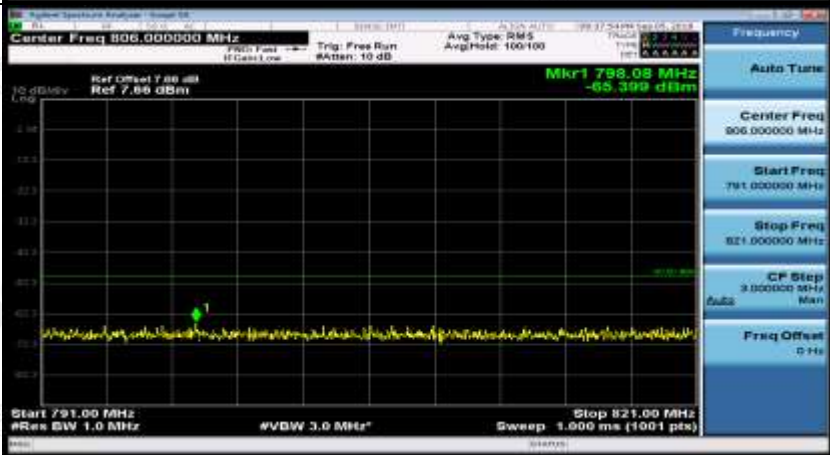
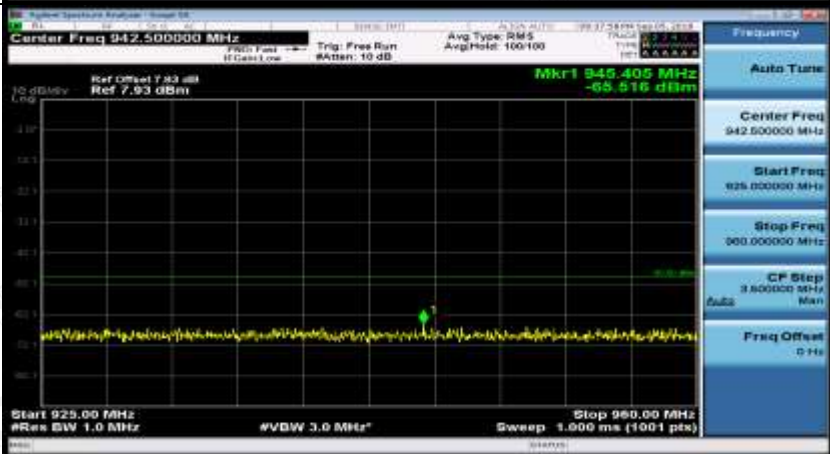
Channel Bandwidth=Lowest (1.4 MHz)



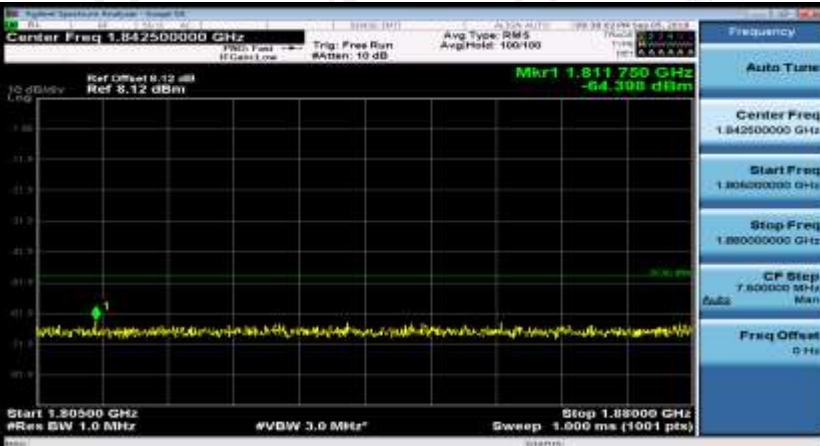
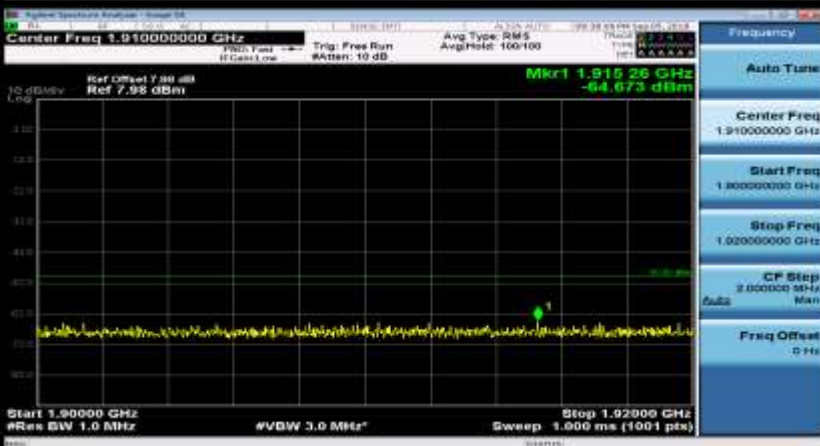

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General	
General	
General	

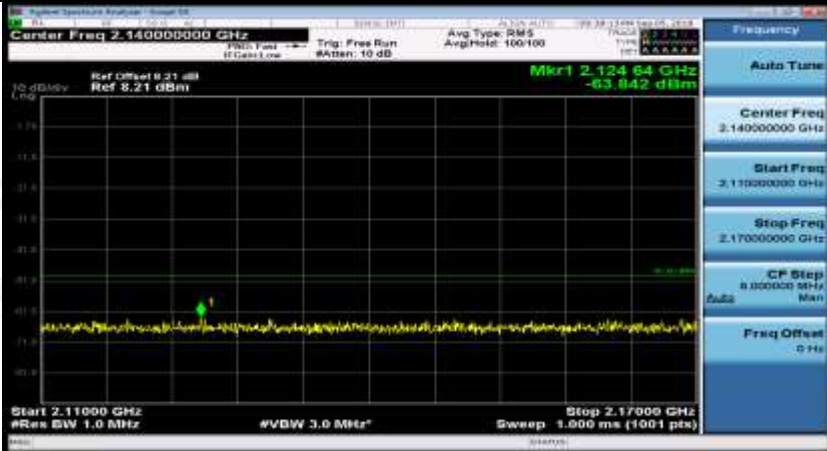
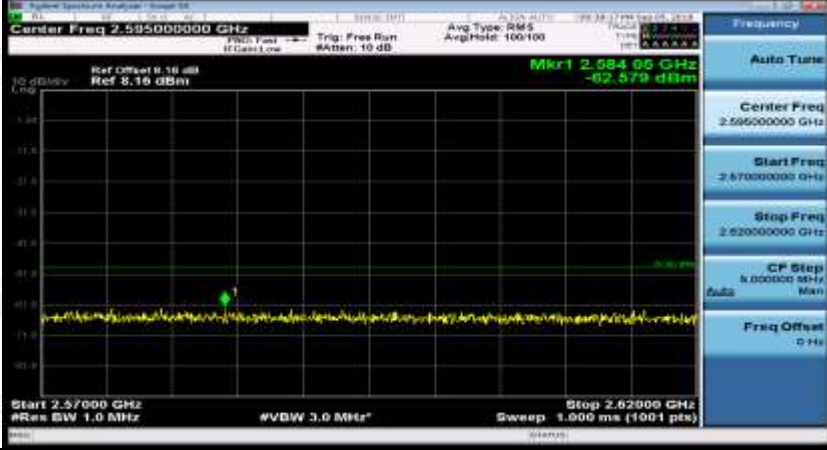
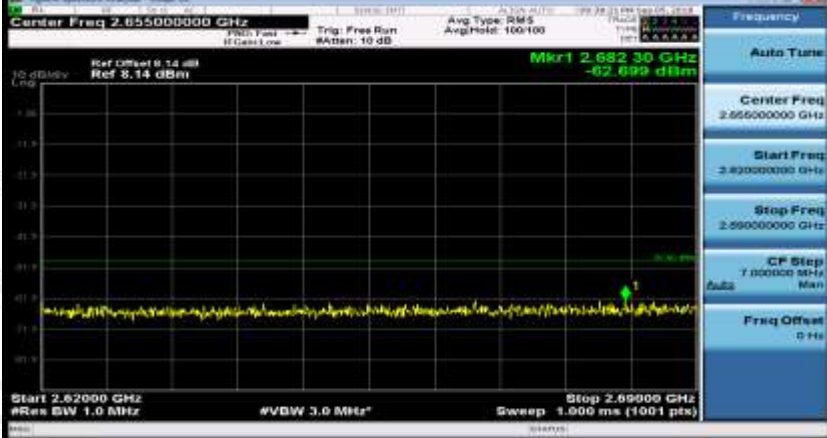
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General		
Co-existence		
Co-existence		

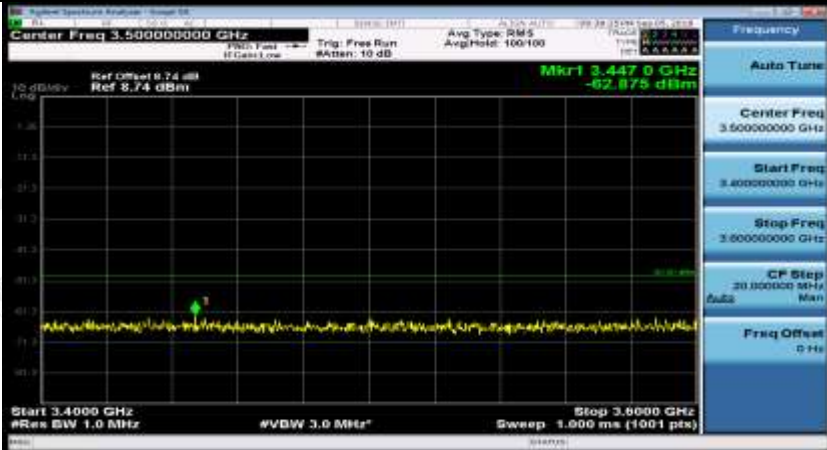
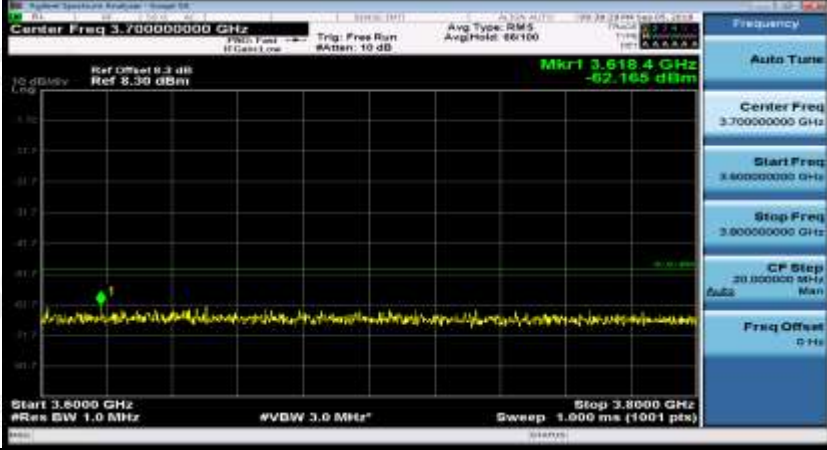
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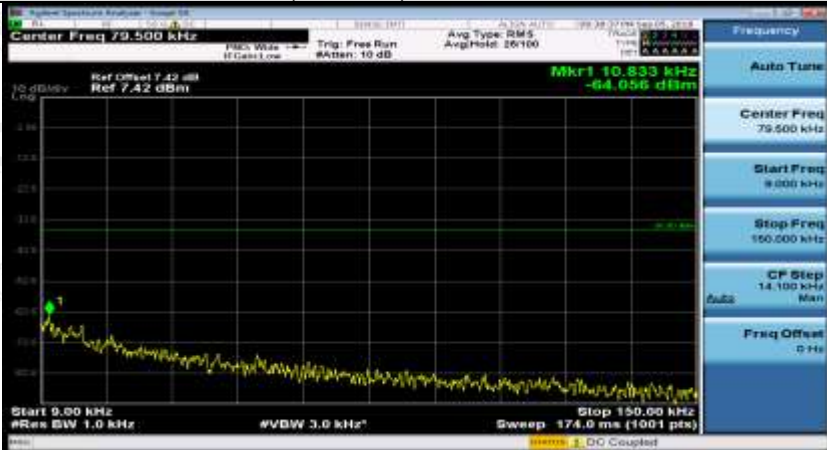
Co-existence			
Co-existence			
Co-existence			

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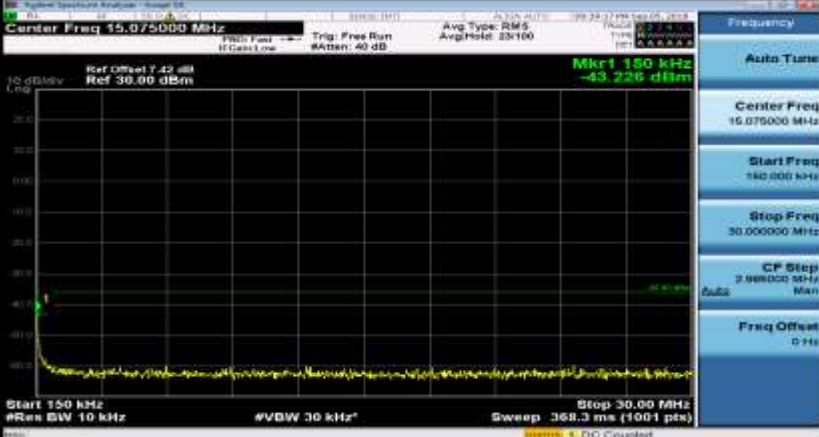
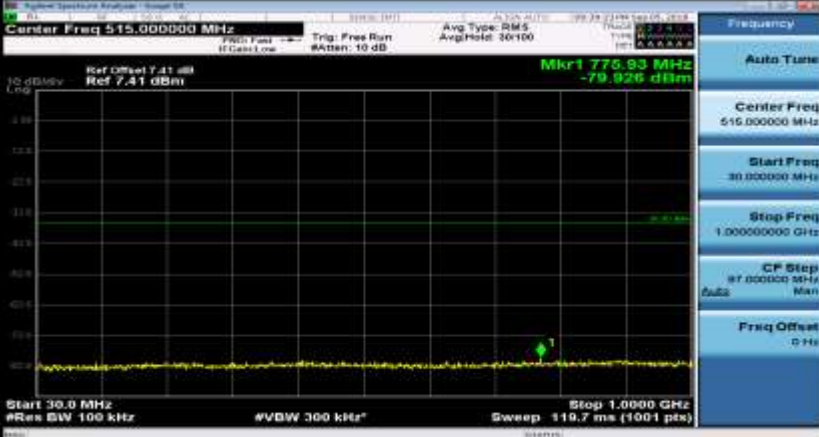
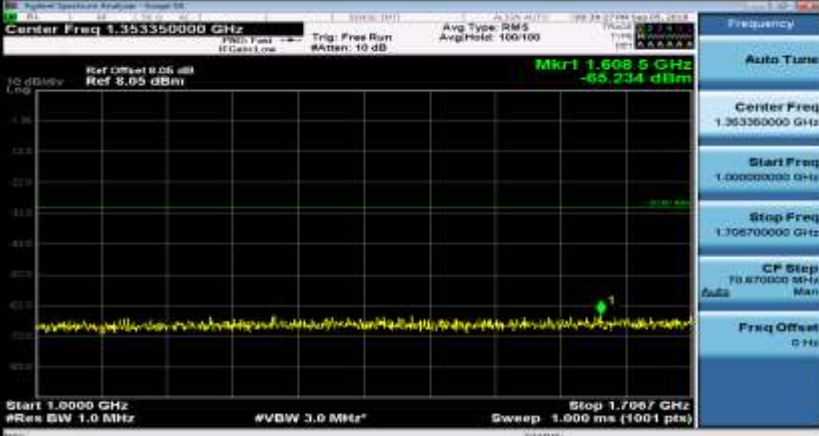
Co-existence	
Co-existence	
Co-existence	

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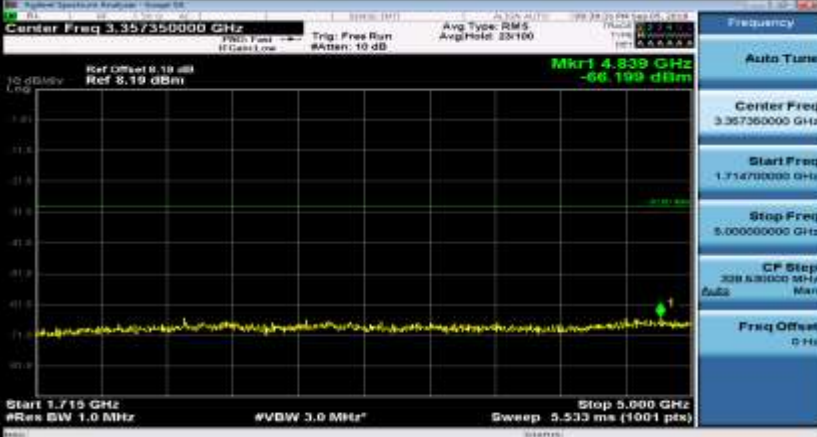

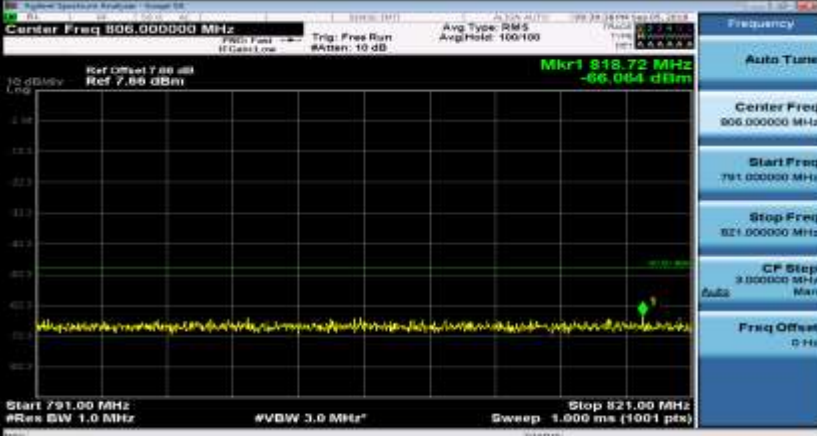
Co-existence	
Co-existence	
Additional	NA

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

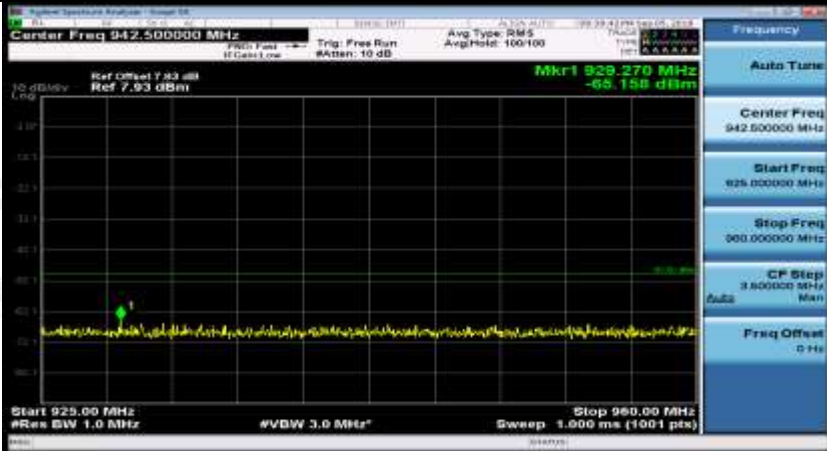
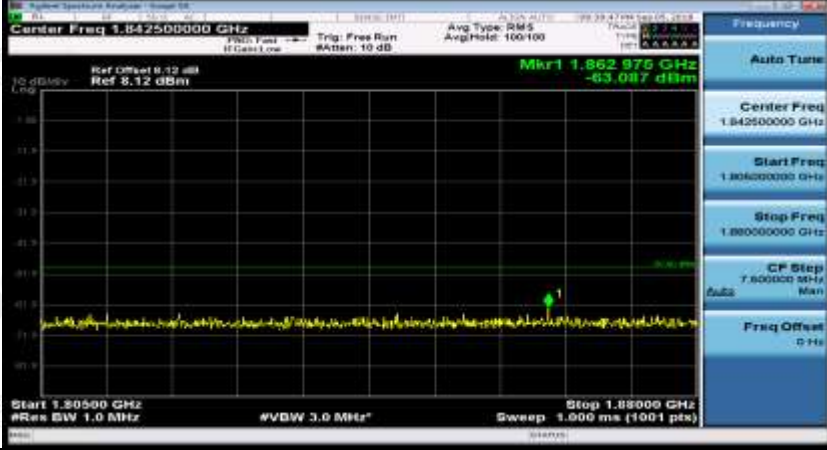
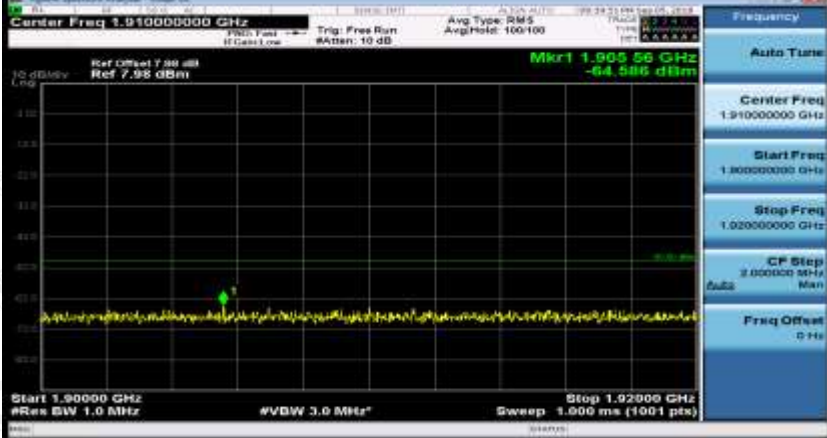
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General			
General			
General			

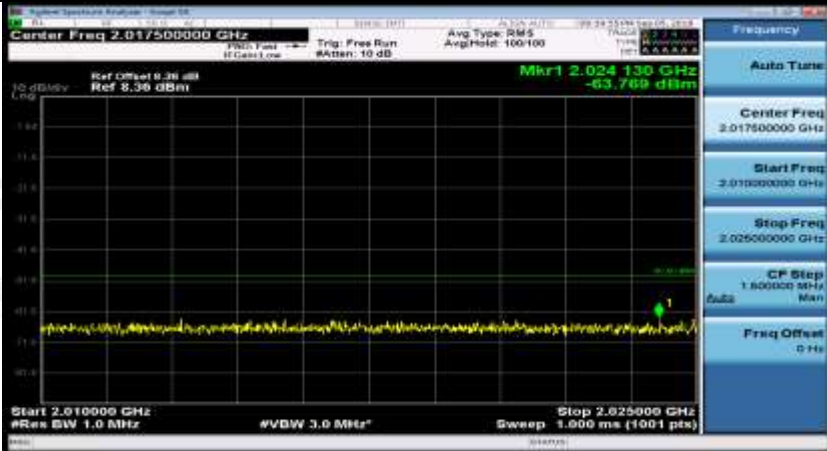
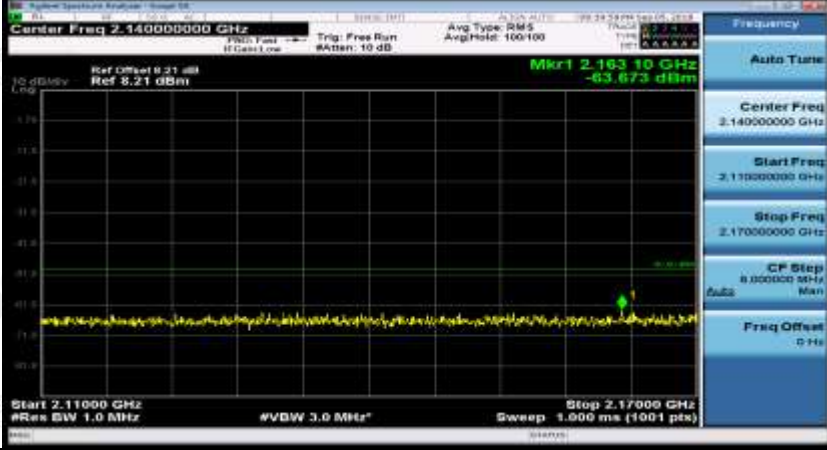
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General			
General			
Co-existence			

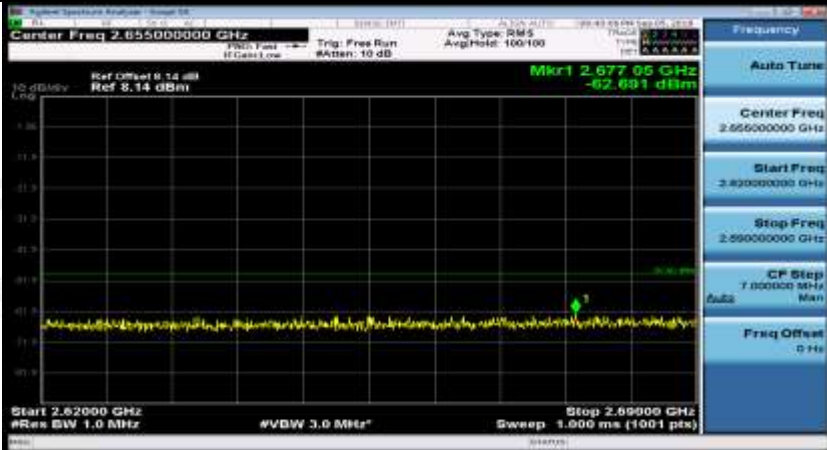
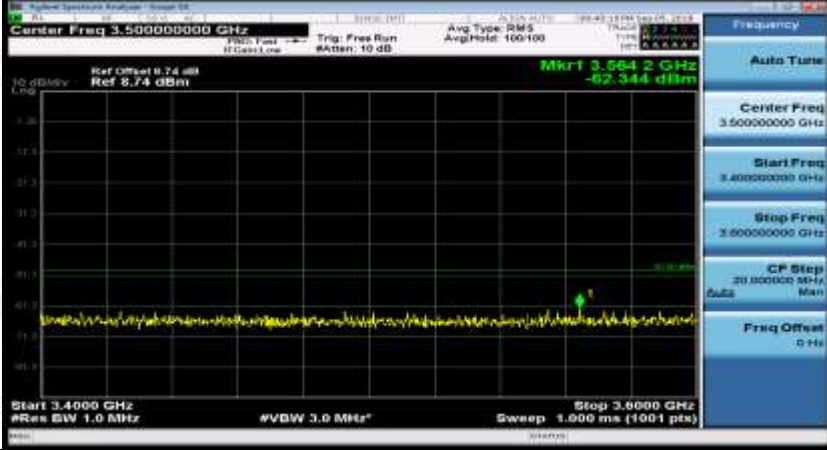
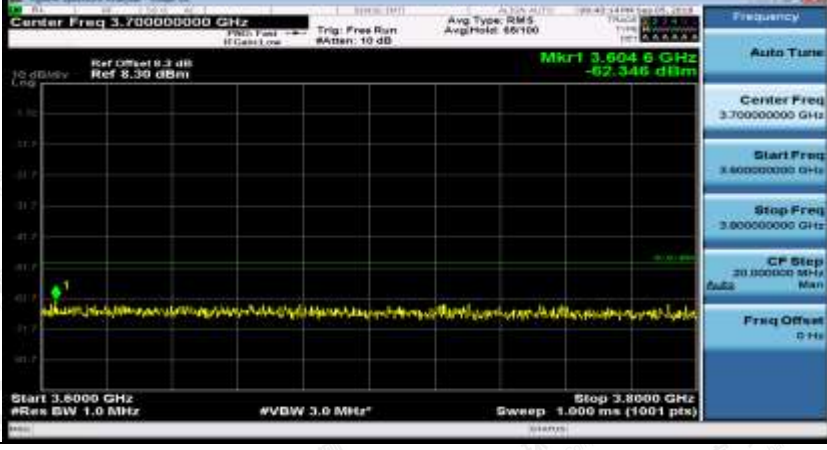
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Co-existence	
Co-existence	
Co-existence	

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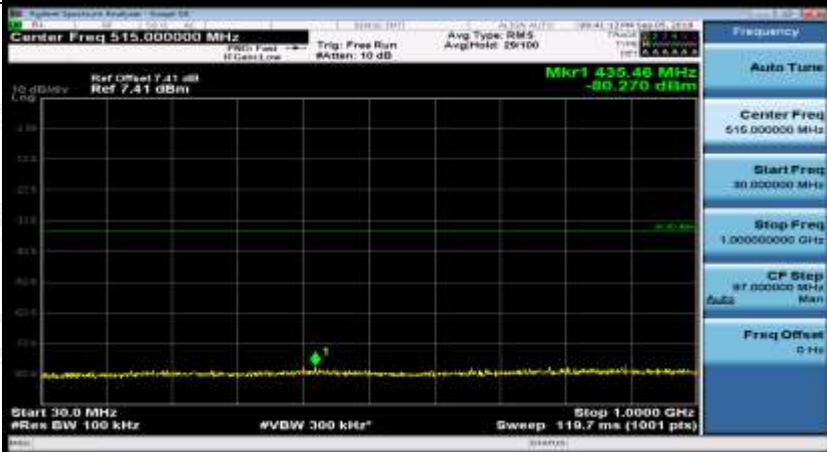
Co-existence	
Co-existence	
Co-existence	

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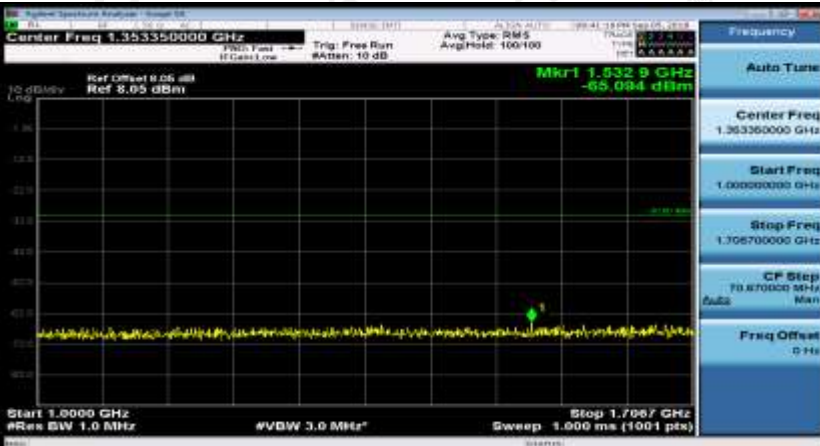

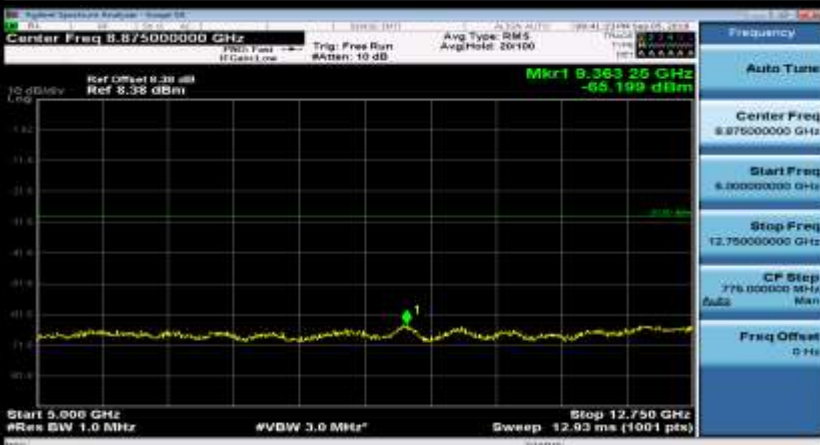
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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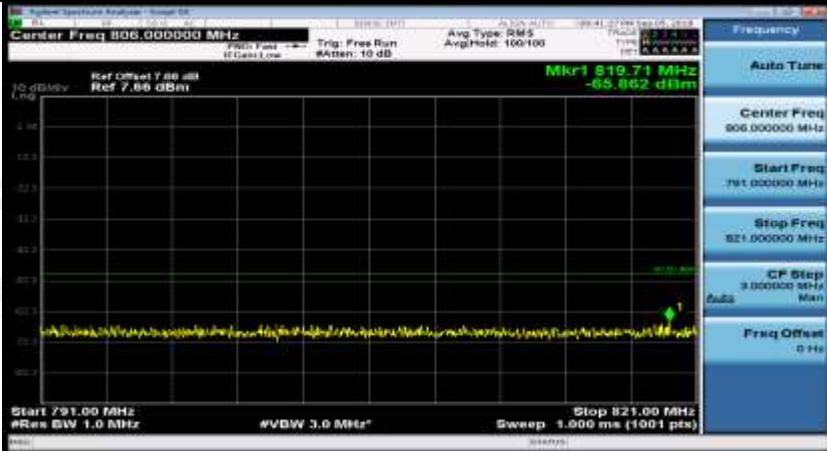
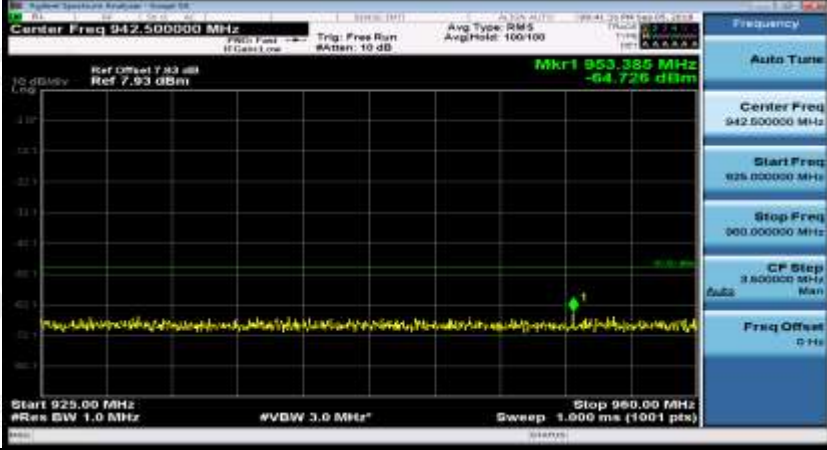
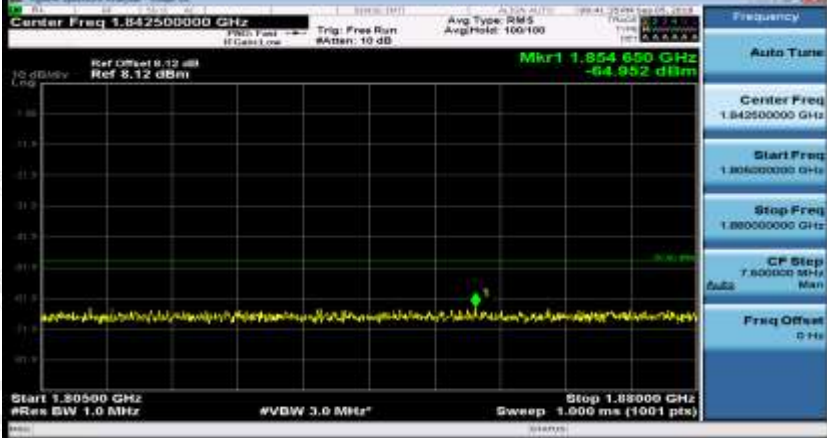
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0

General	
General	
General	

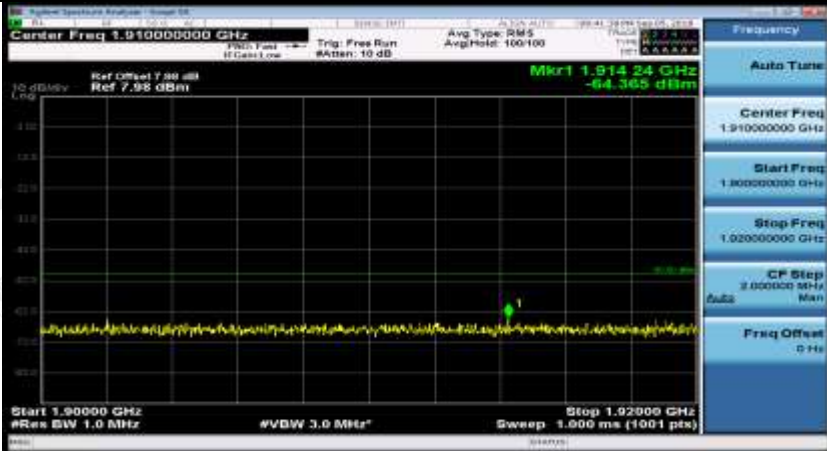
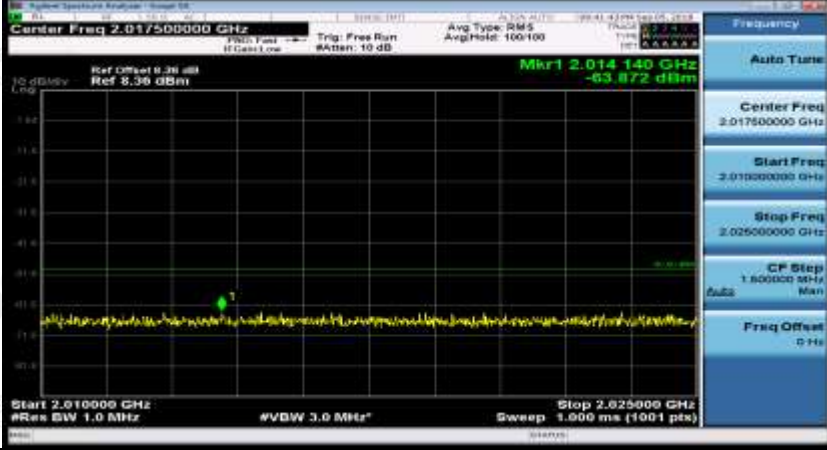
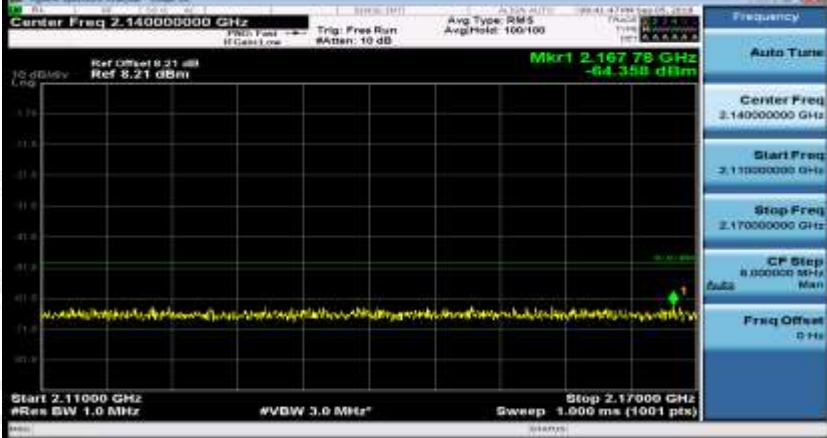
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General			
General			
General			

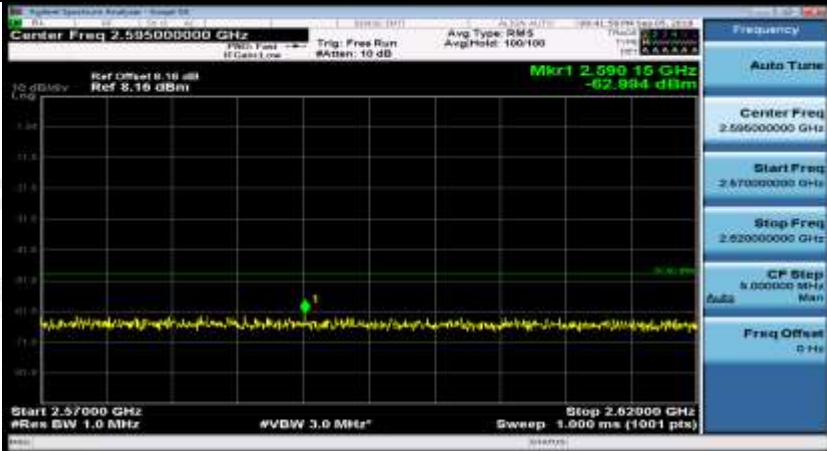
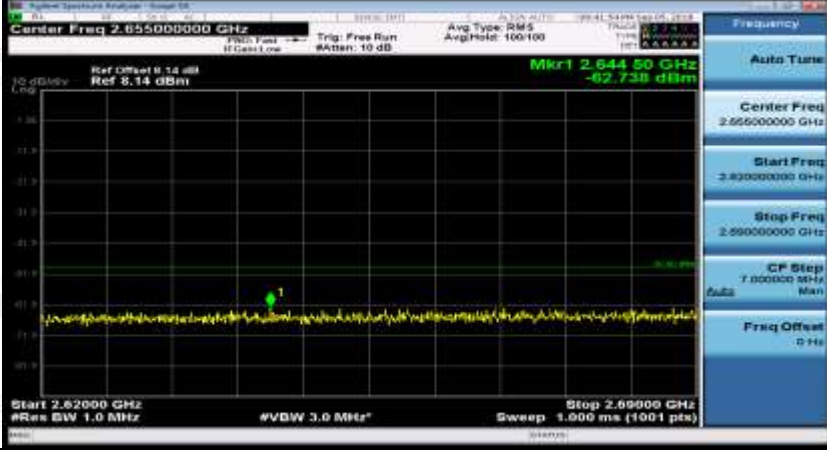

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Co-existence	
Co-existence	
Co-existence	

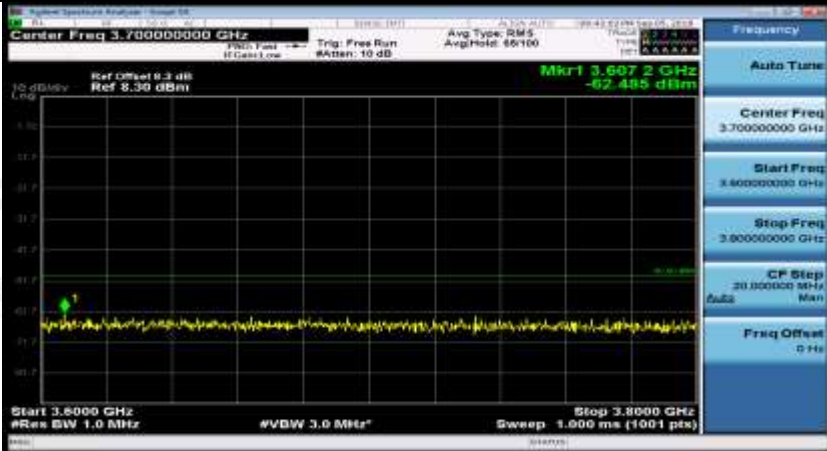
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of 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		
Co-existence		

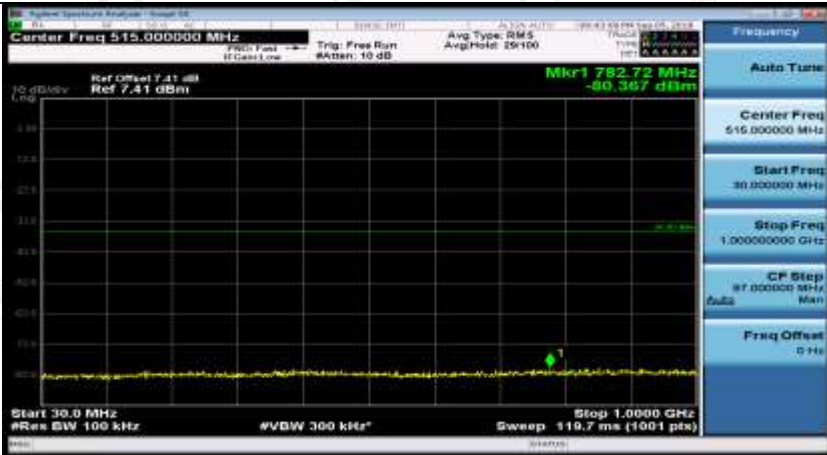
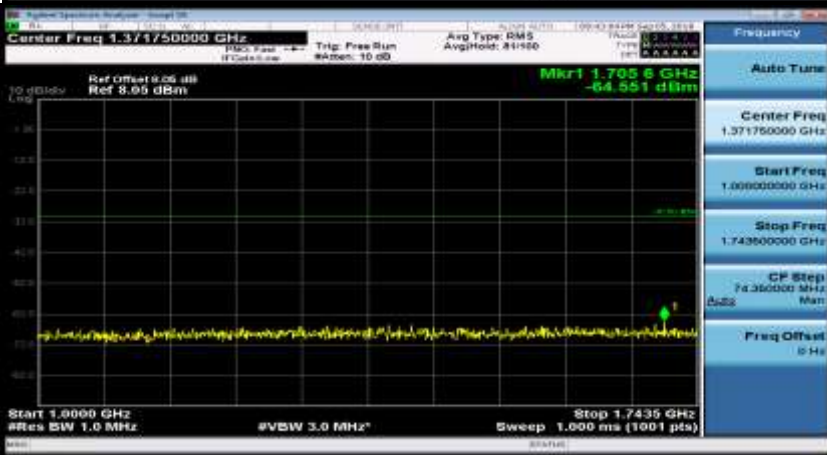

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Co-existence	
Additional	NA


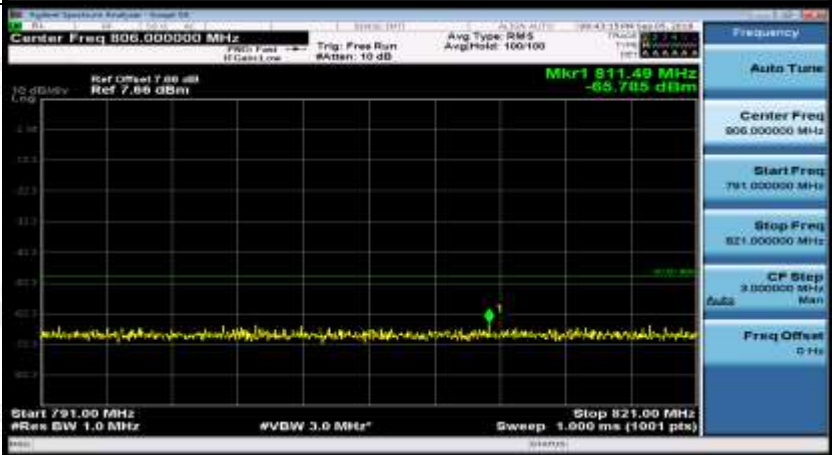
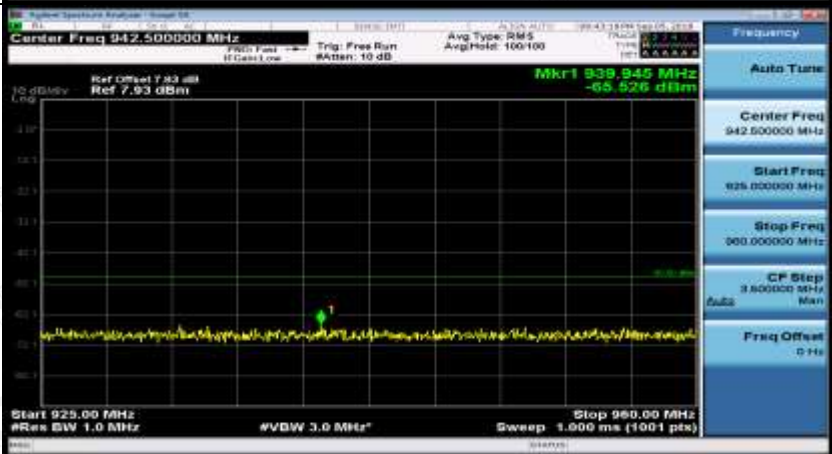
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#0

General	
General	

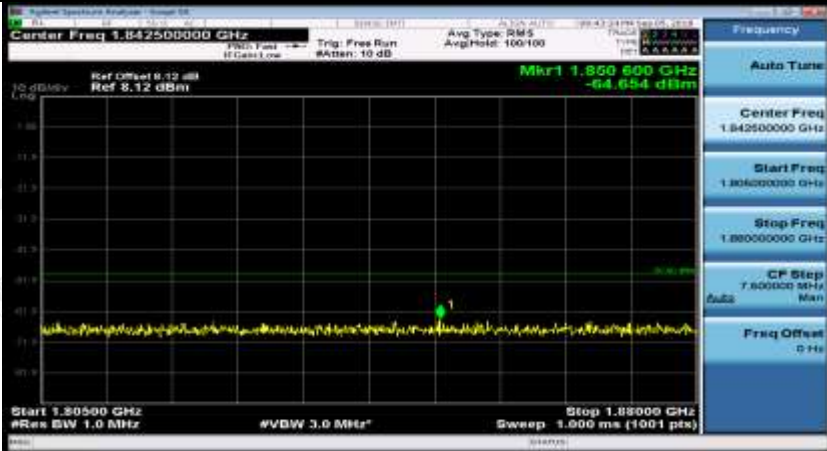
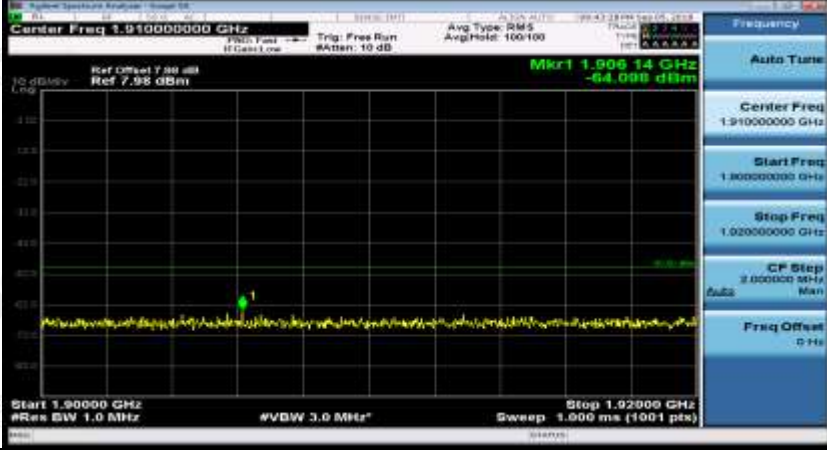
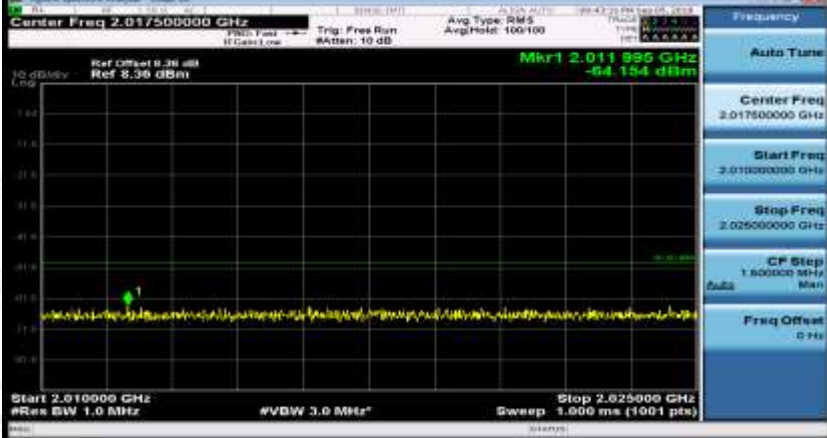
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General	
General	
General	

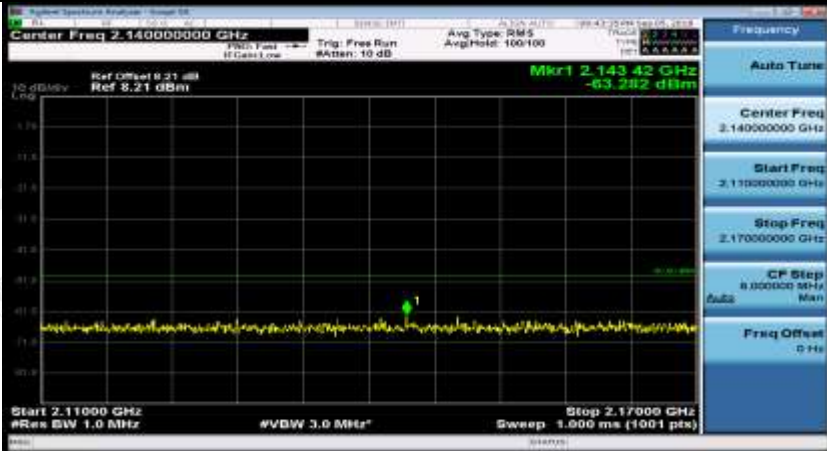

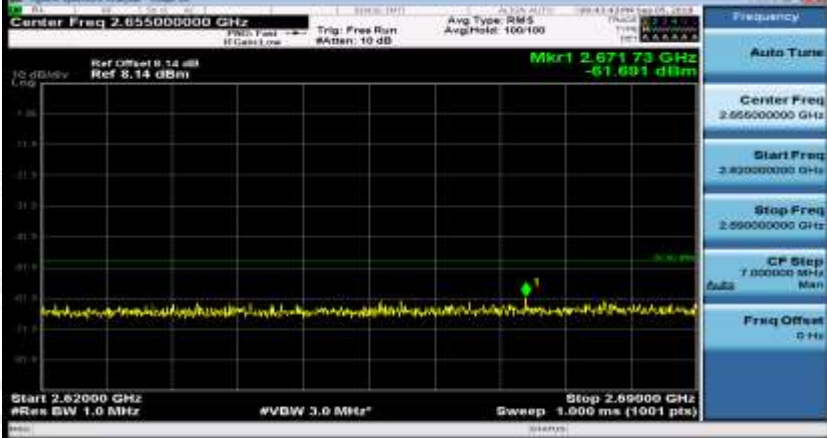
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General		
Co-existence		
Co-existence		

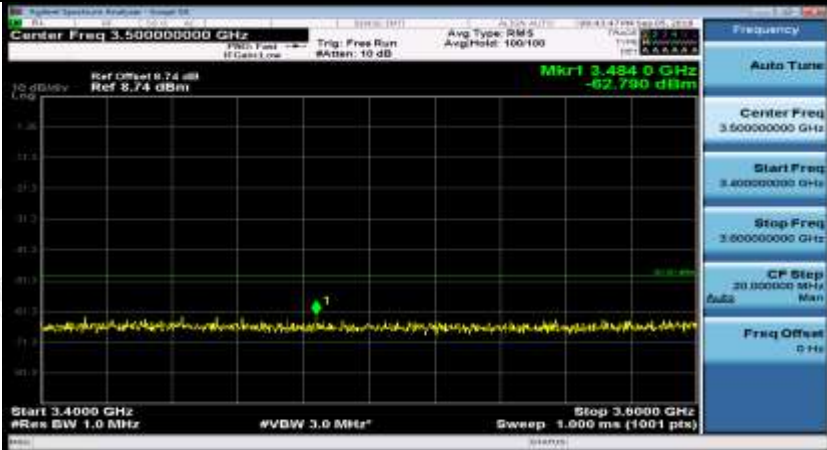
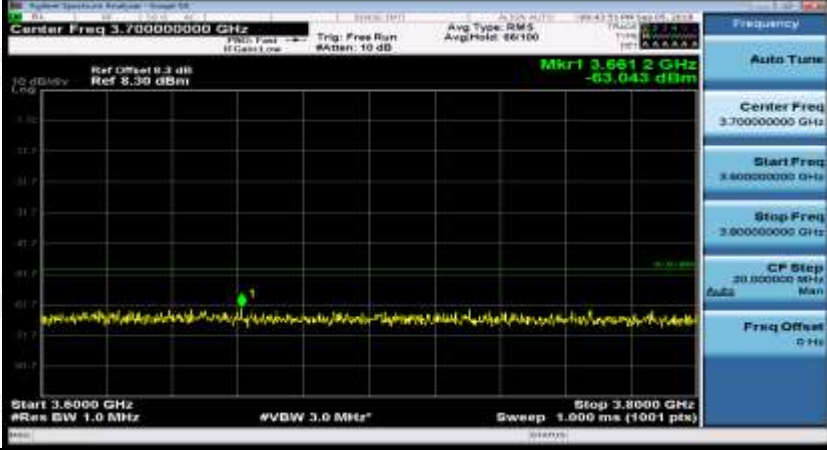
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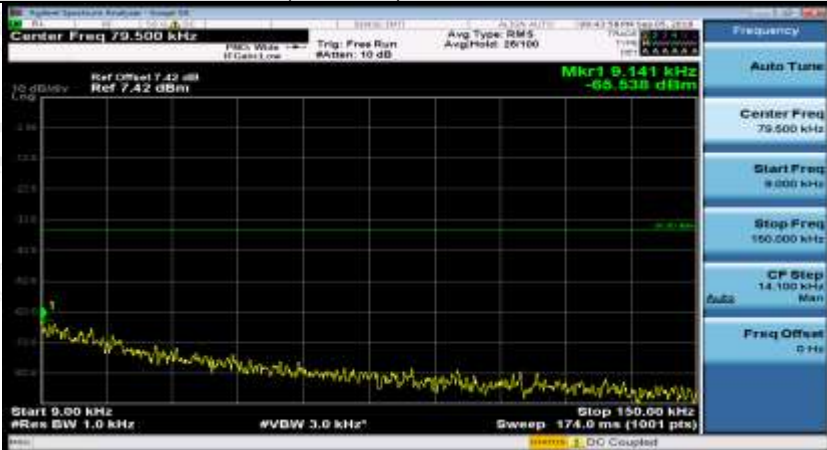
Co-existence	
Co-existence	
Co-existence	

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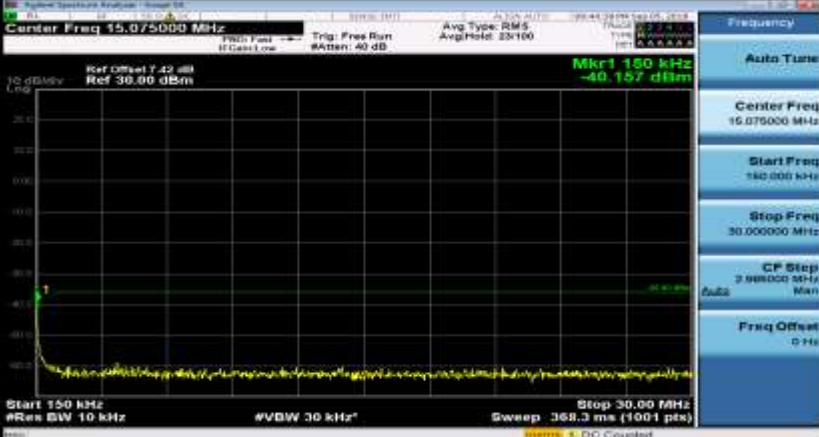
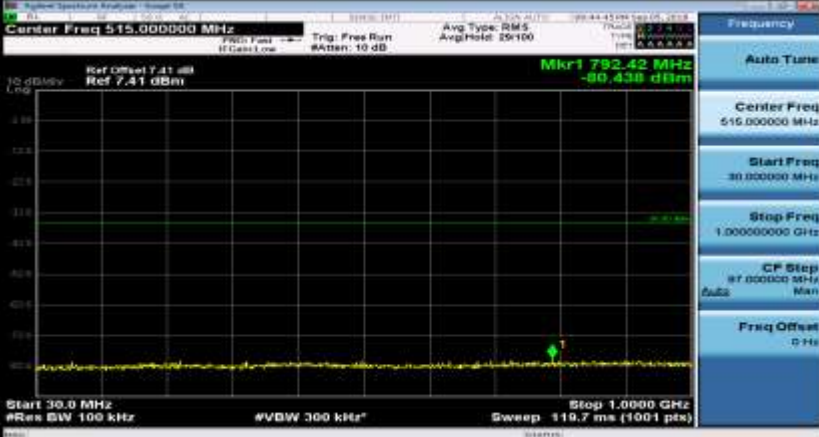
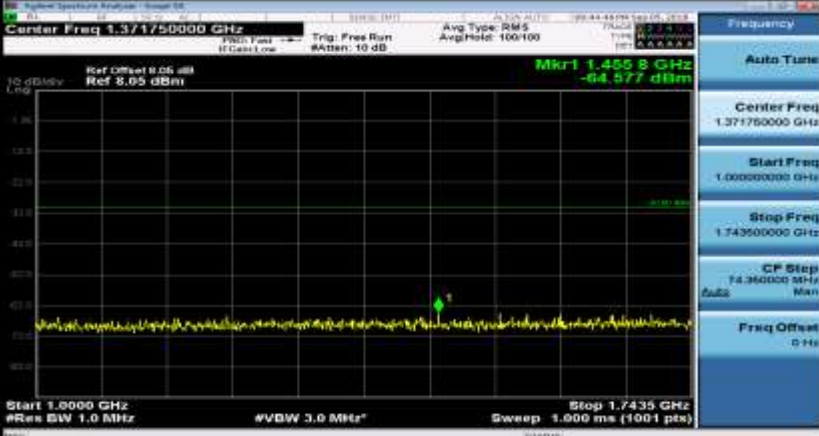
Co-existence	
Co-existence	
Co-existence	

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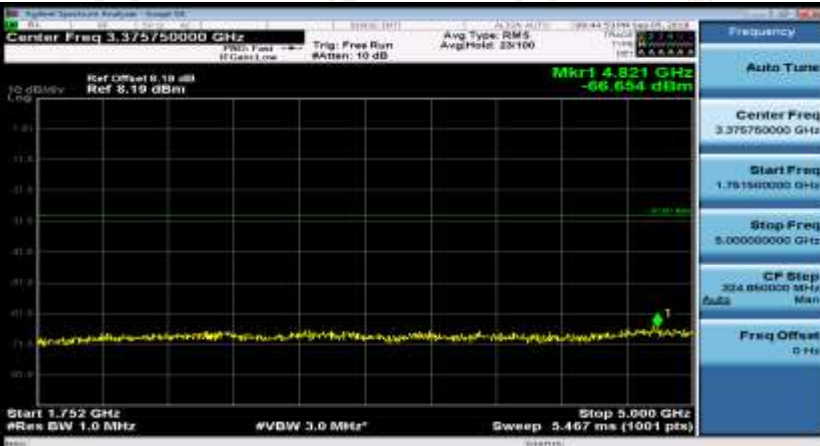
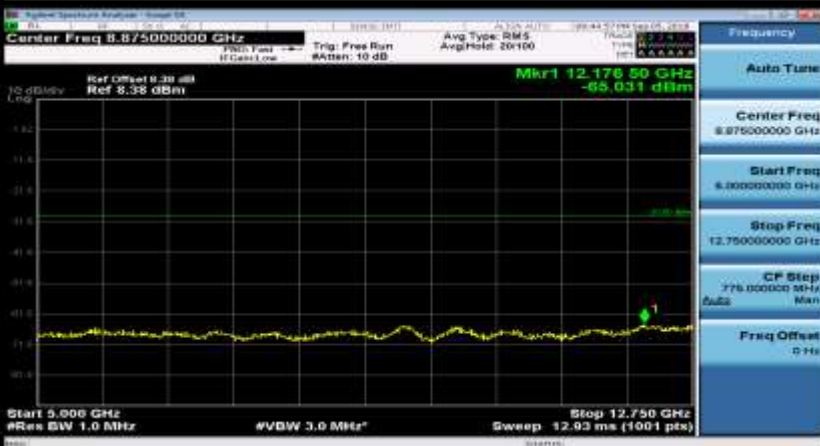
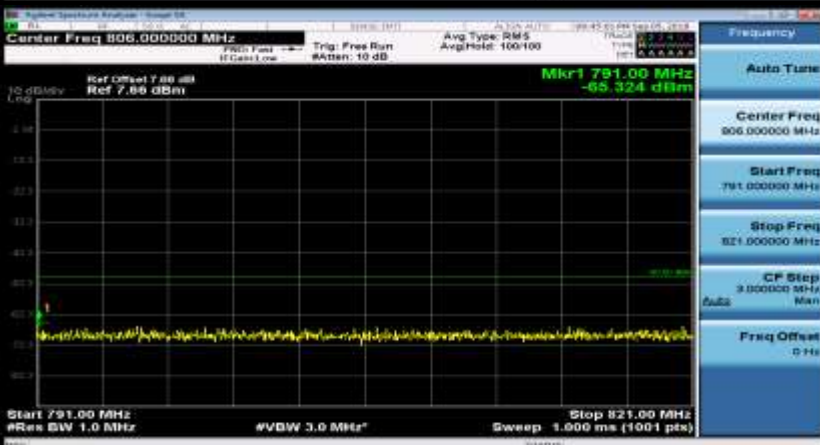
Co-existence	
Co-existence	
Additional	NA

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

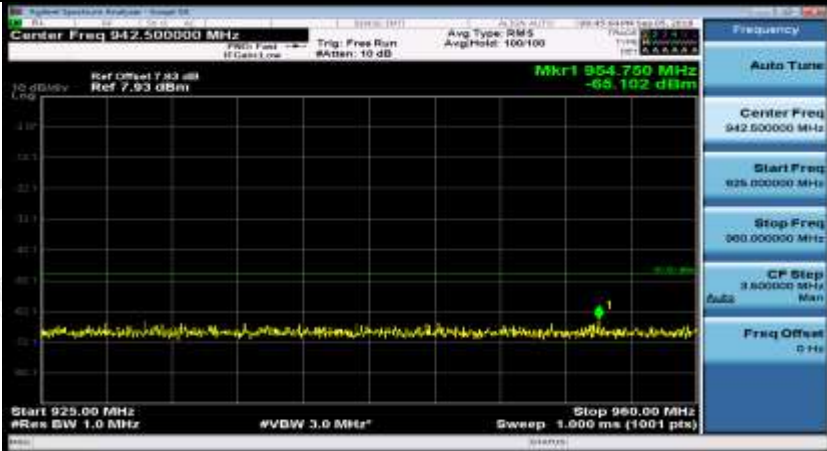
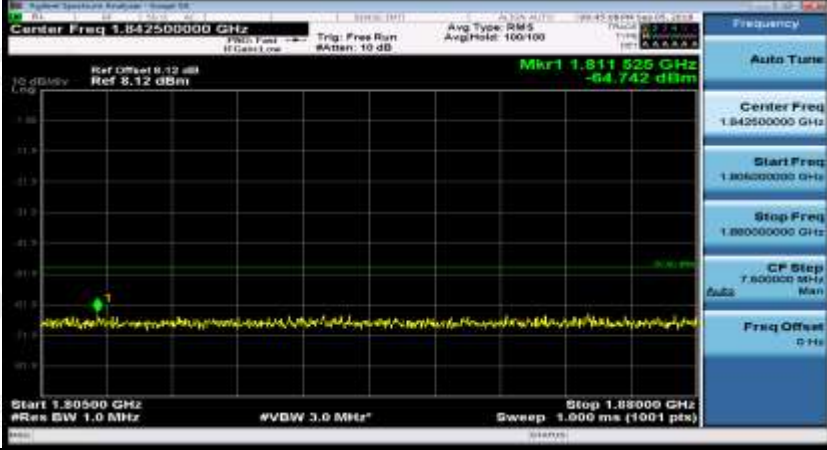
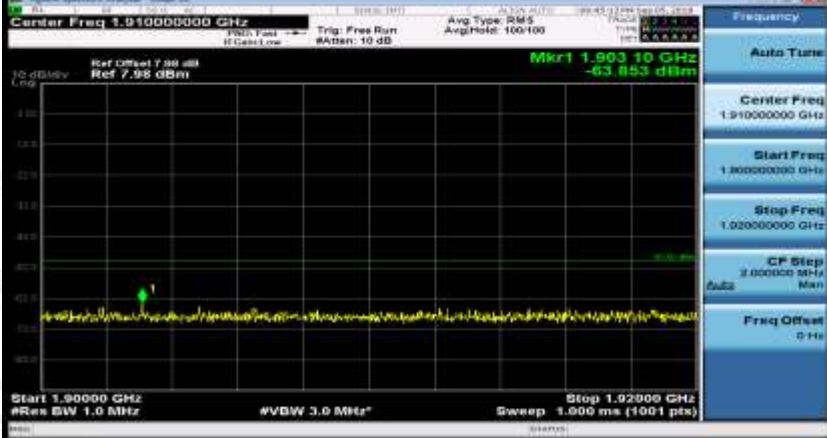
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General			
General			
General			

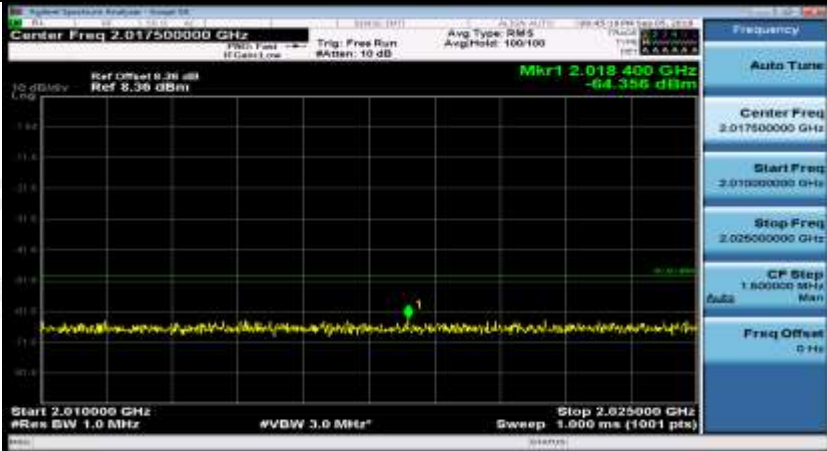
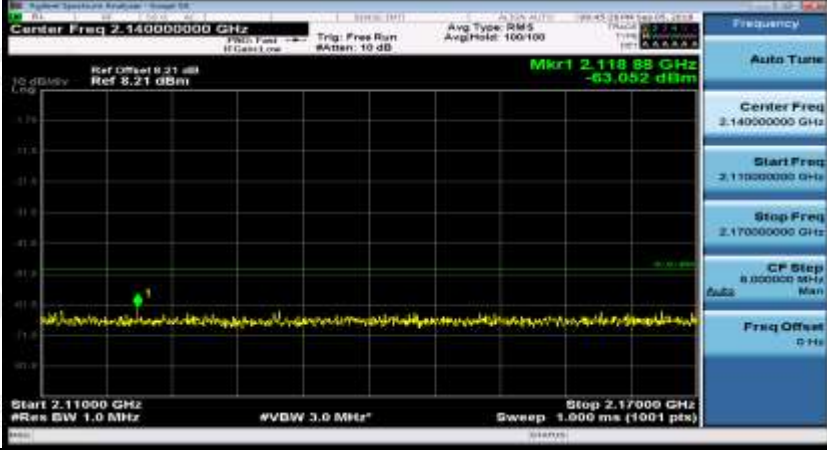
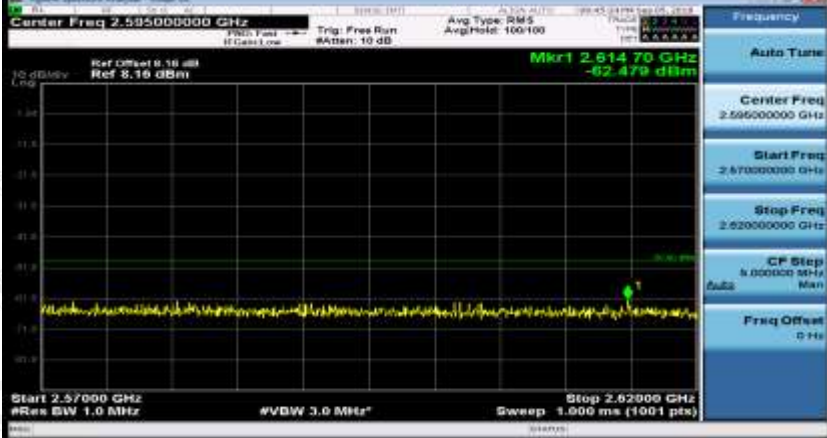
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General			
General			
Co-existence			

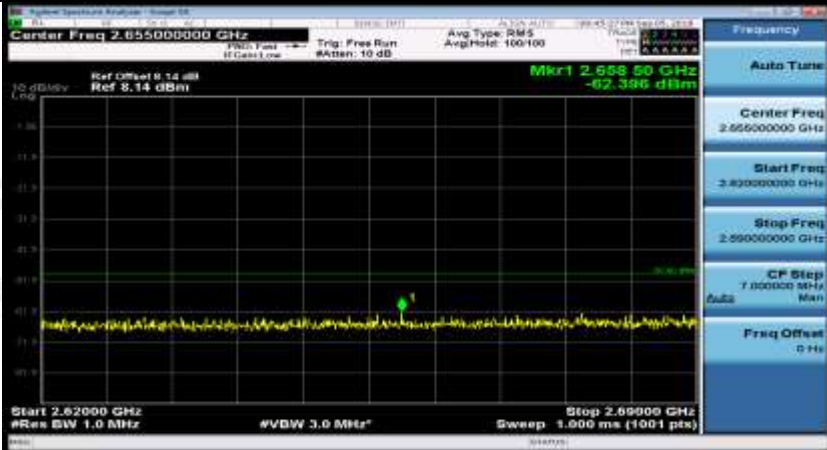
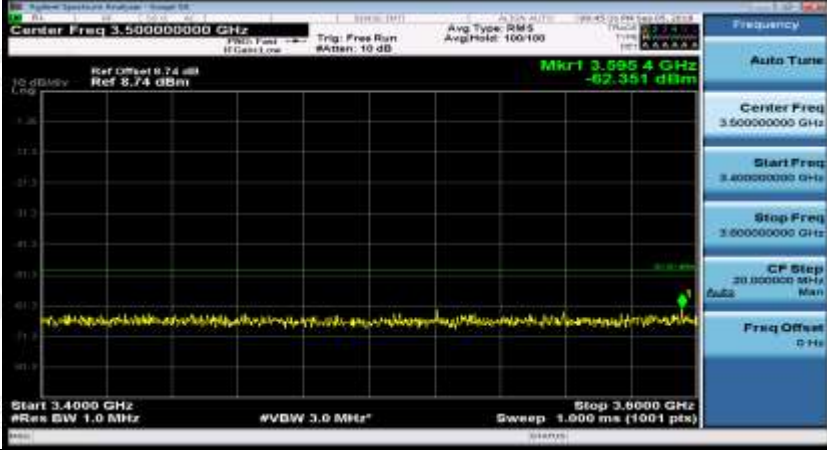

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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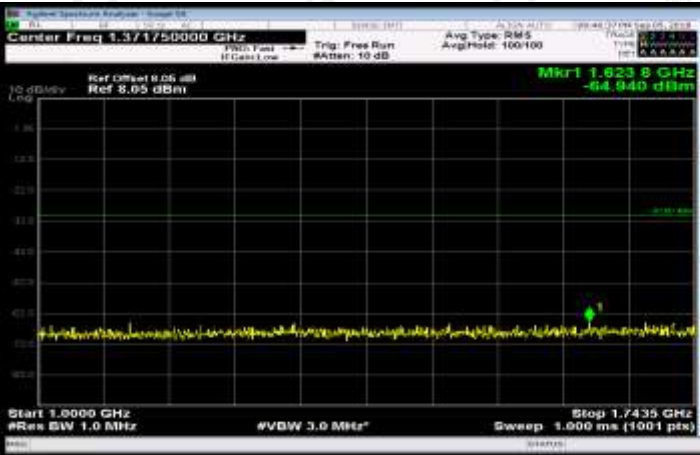


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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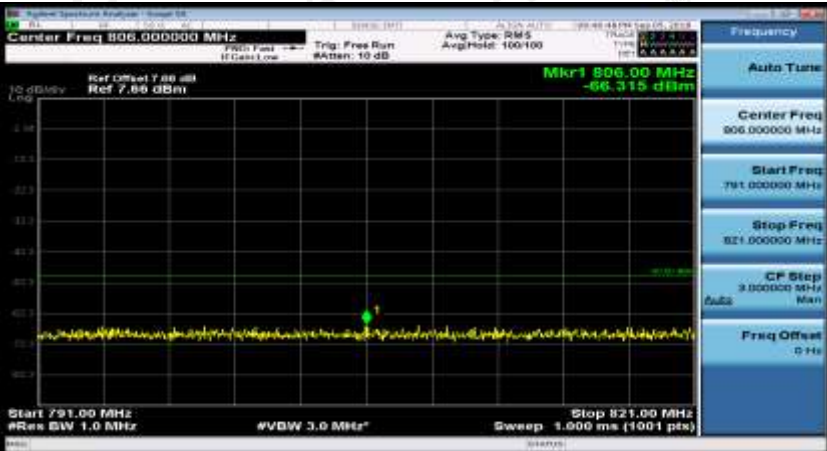
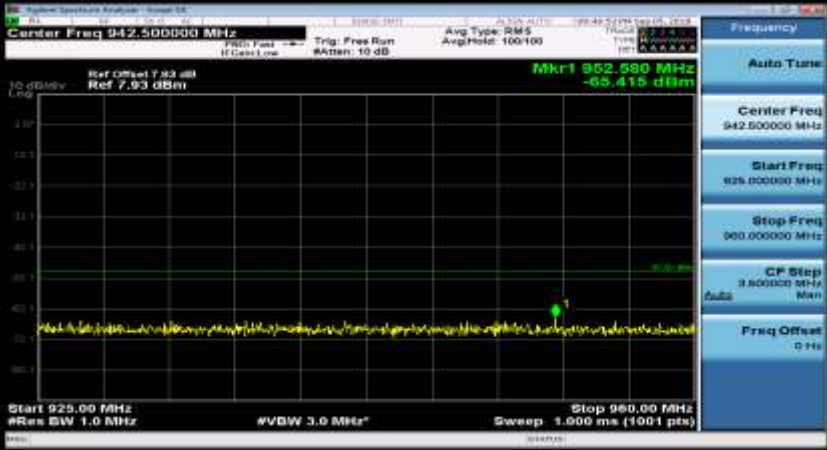
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz Man</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 3.980000 MHz Man</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Man</p> <p>Freq Offset 0 Hz</p>

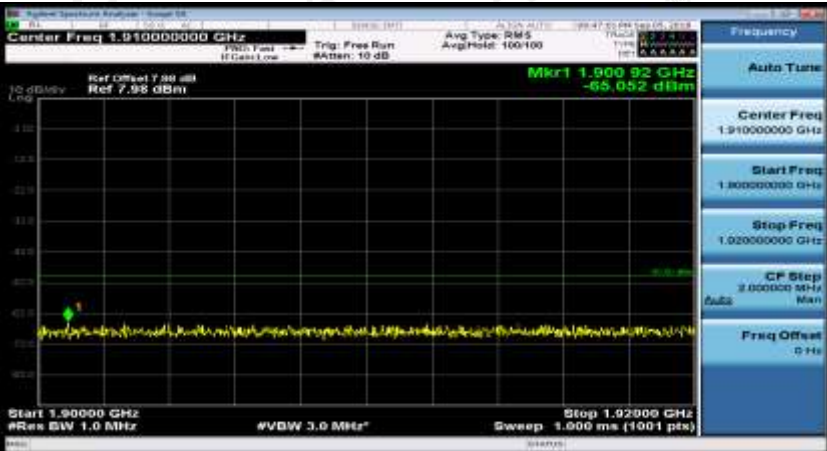
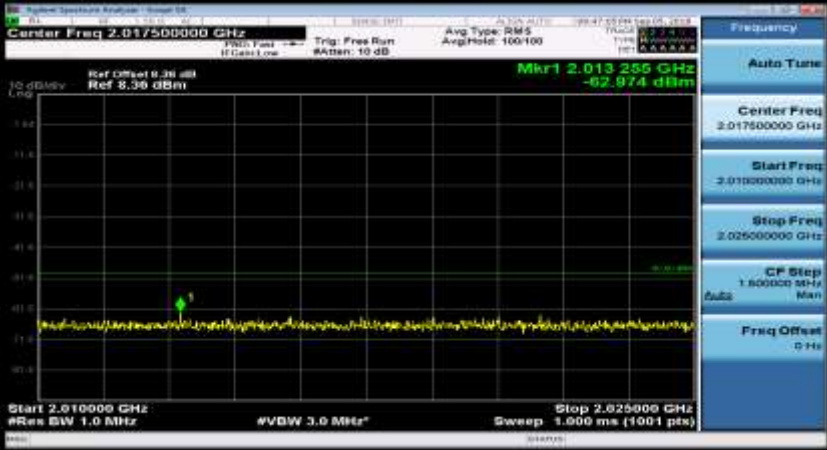
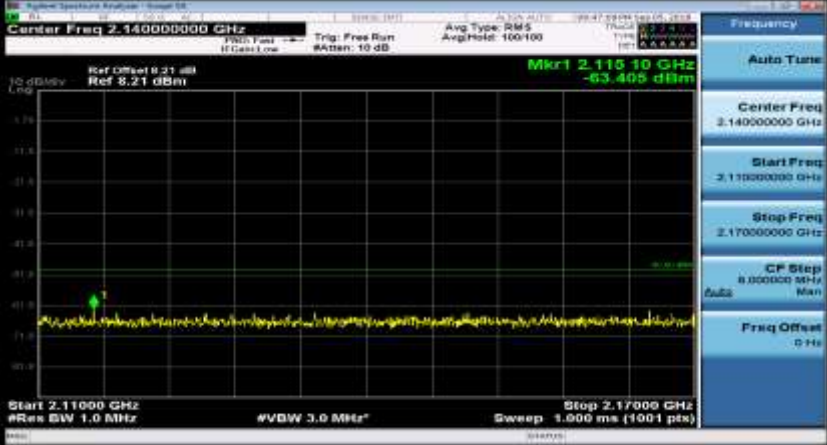
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General		
General		
General		

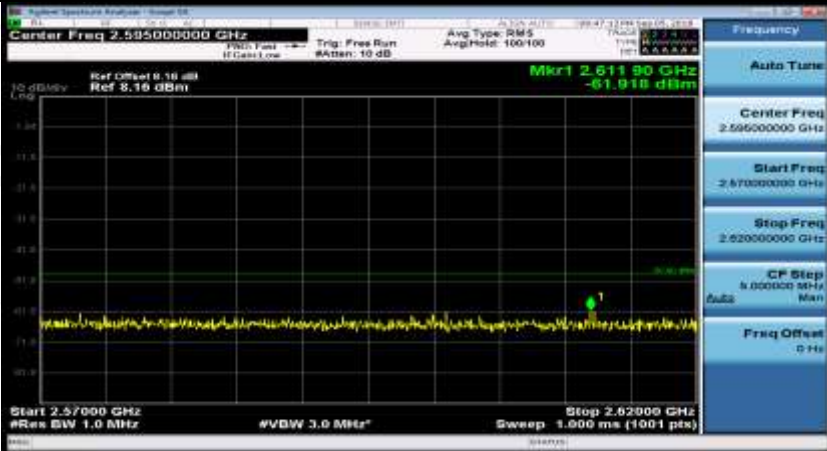
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Co-existence	
Co-existence	
Co-existence	

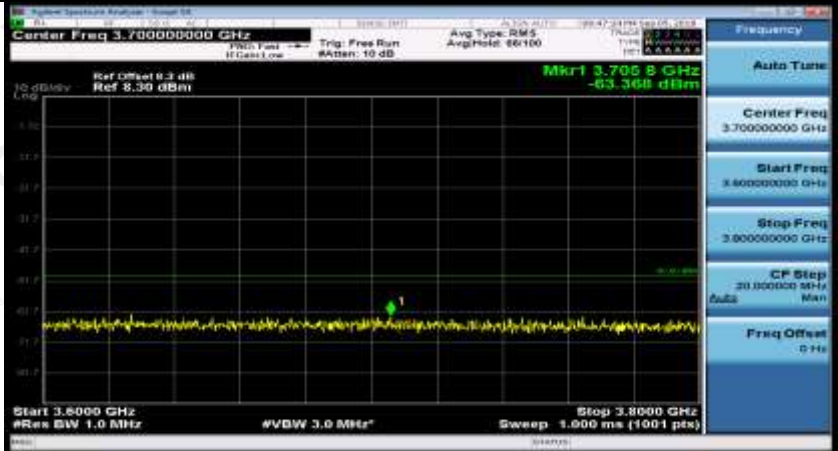
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
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Co-existence	

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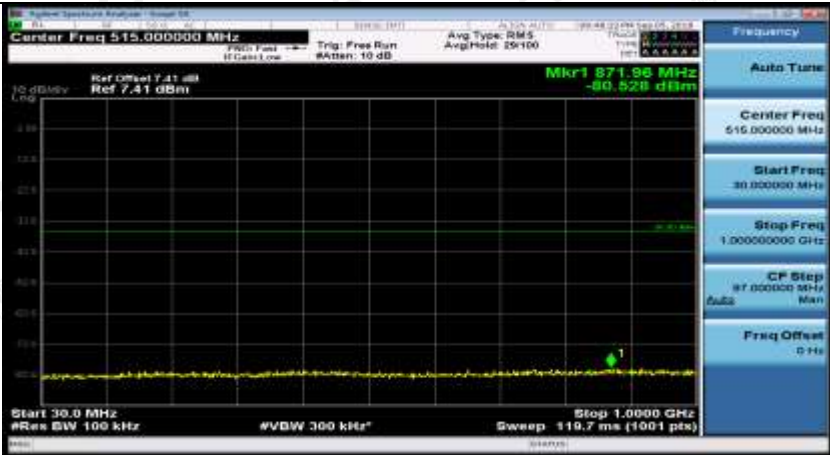
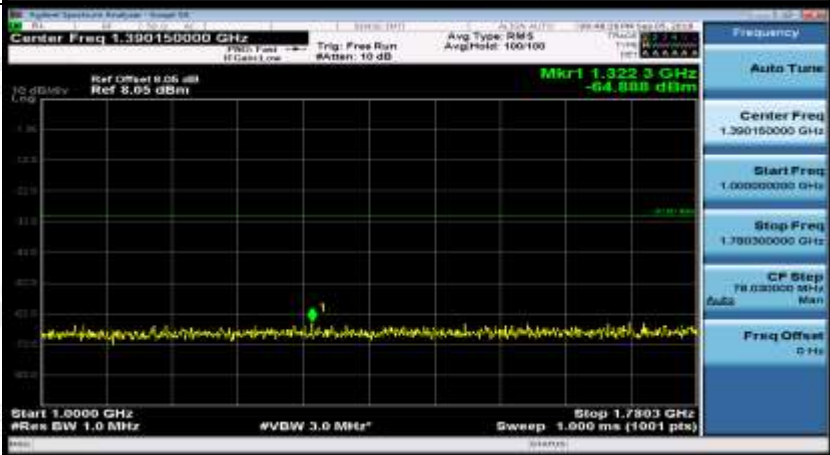

Co-existence	
Co-existence	
Co-existence	

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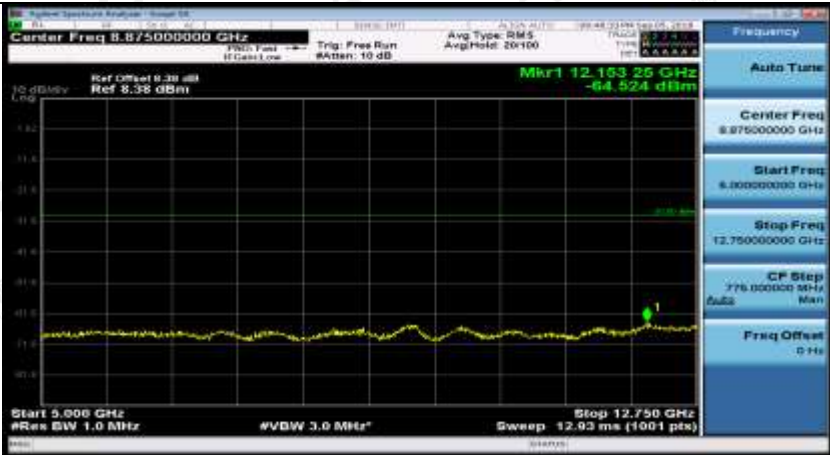
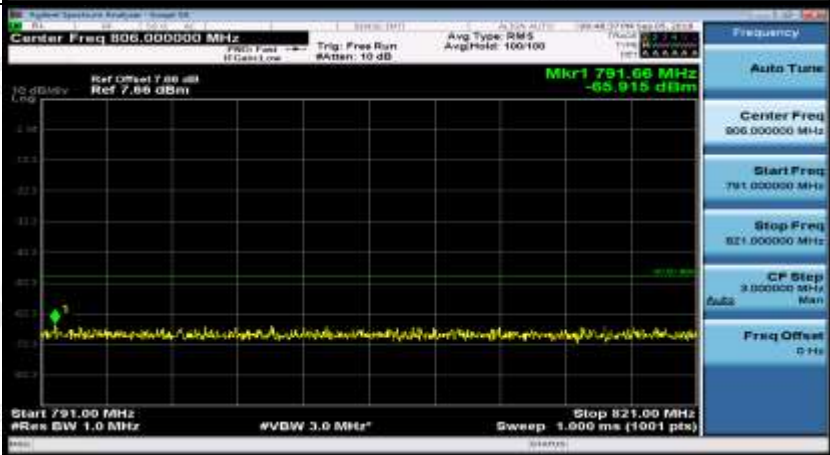
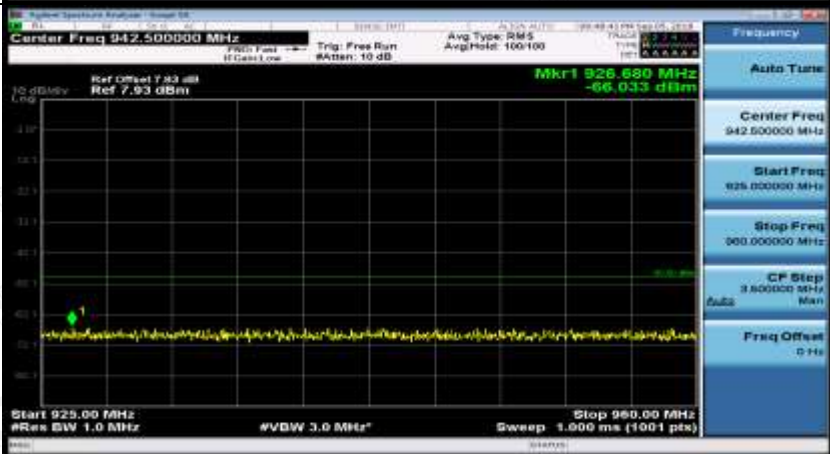
Co-existence	
Additional	NA

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

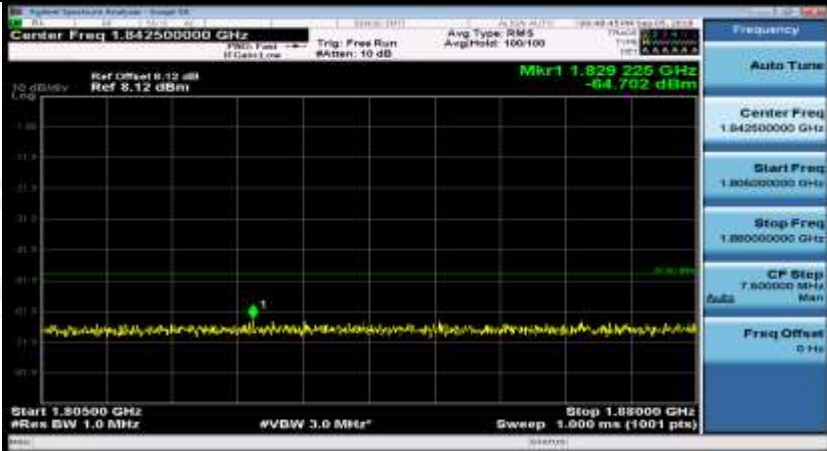
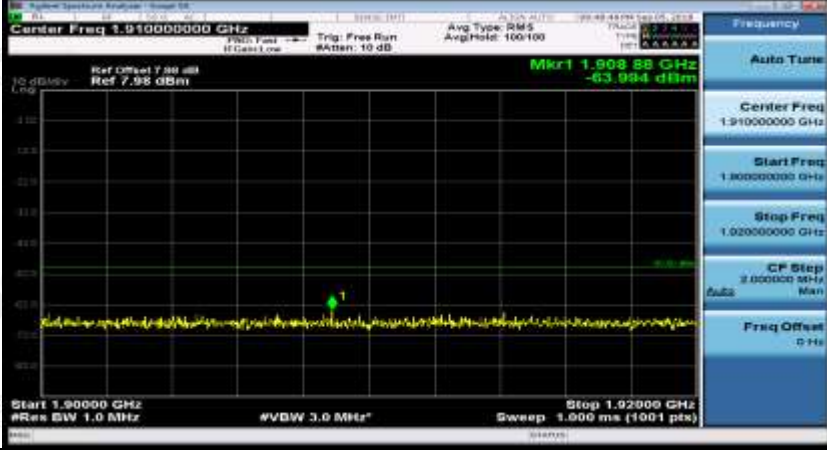
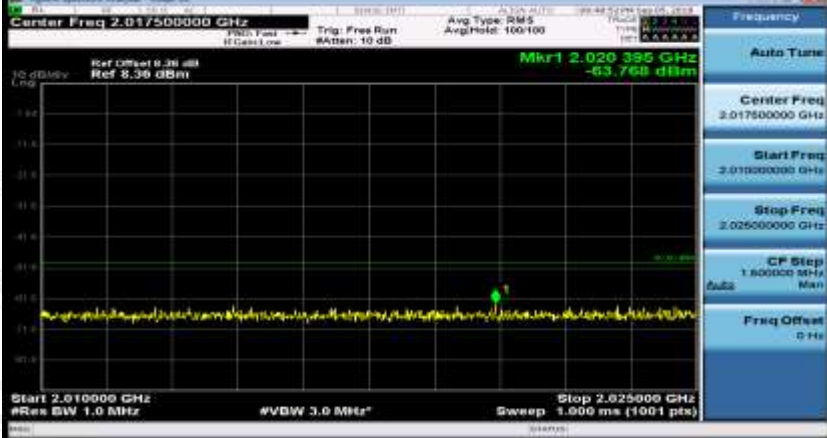
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General		
General		
General		


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General		
Co-existence		
Co-existence		

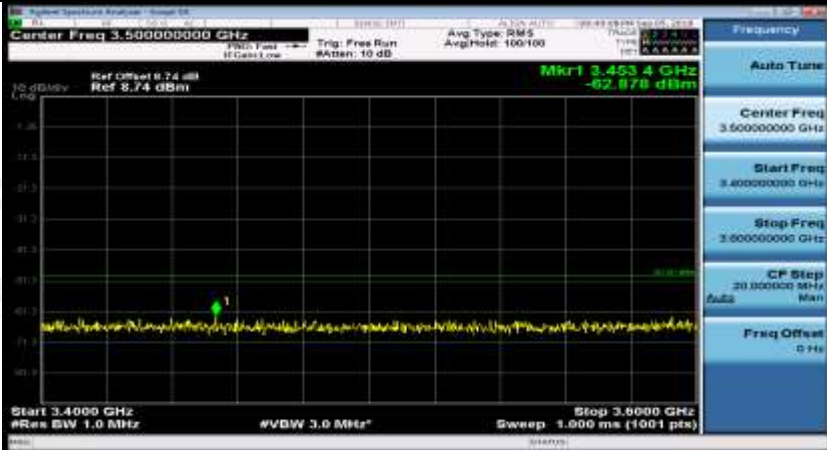
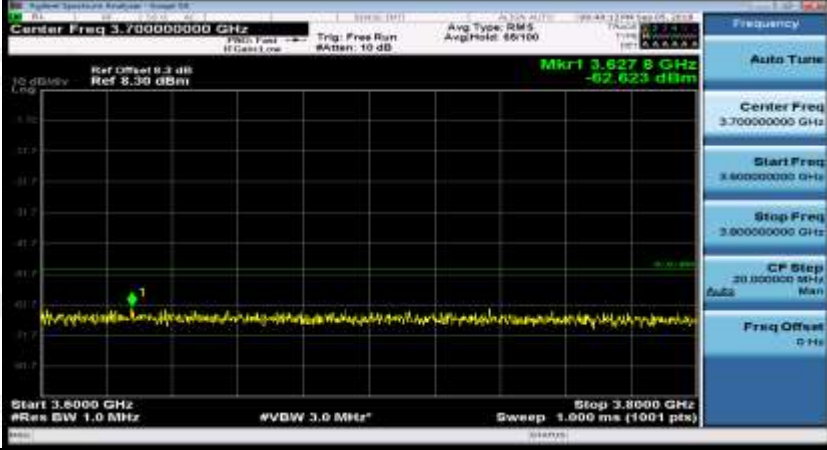
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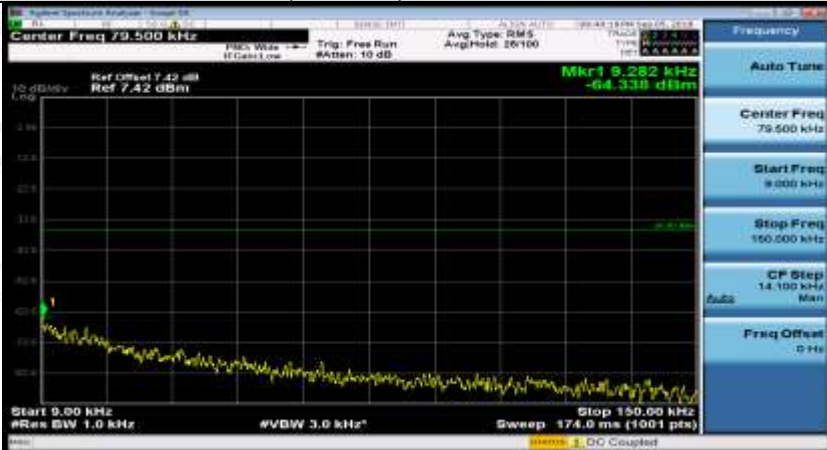
Co-existence	
Co-existence	
Co-existence	

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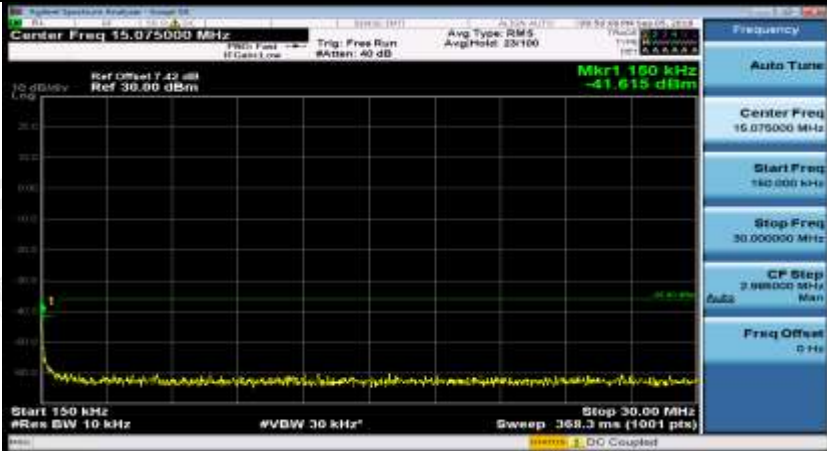
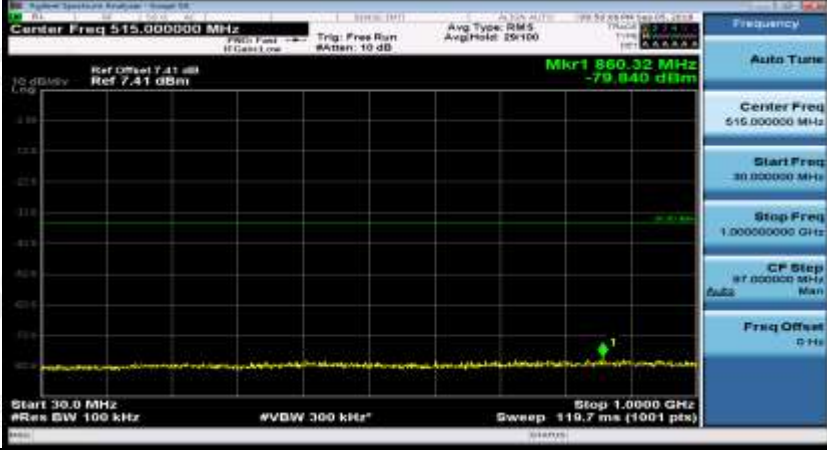
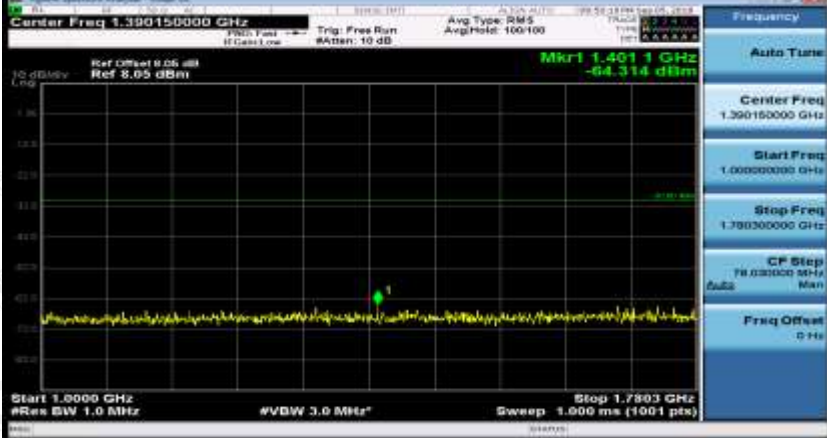
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

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

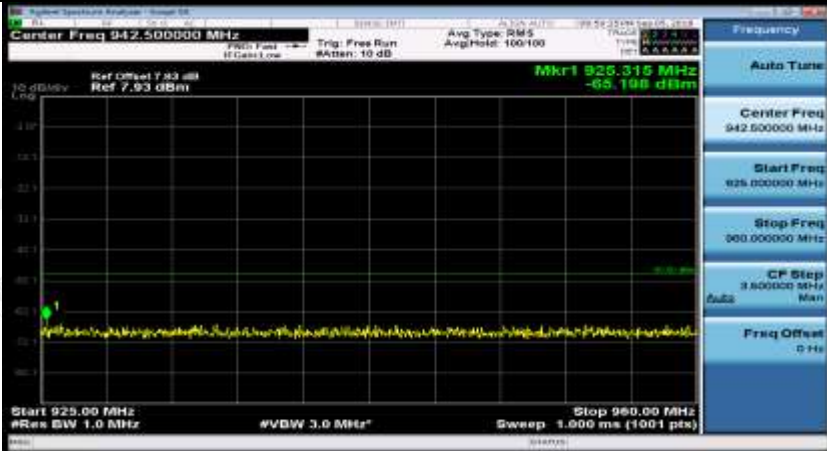
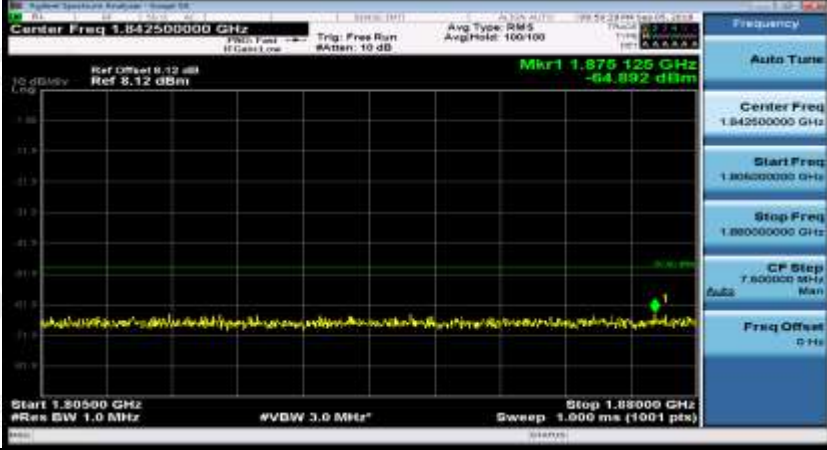
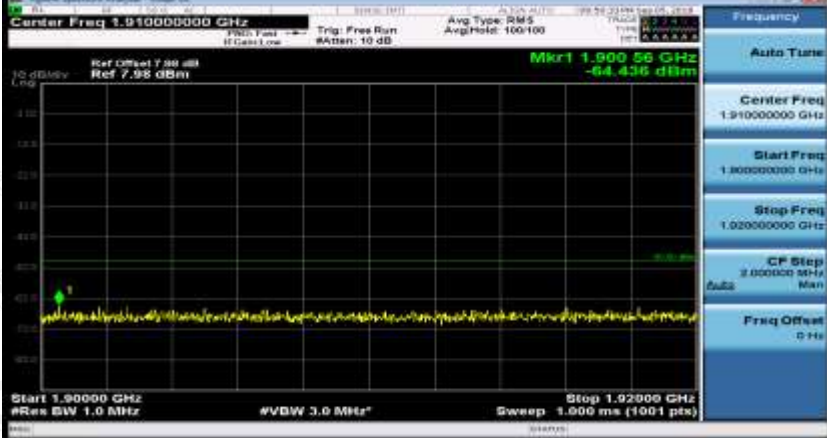
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General	
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General	

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General			
General			
Co-existence			

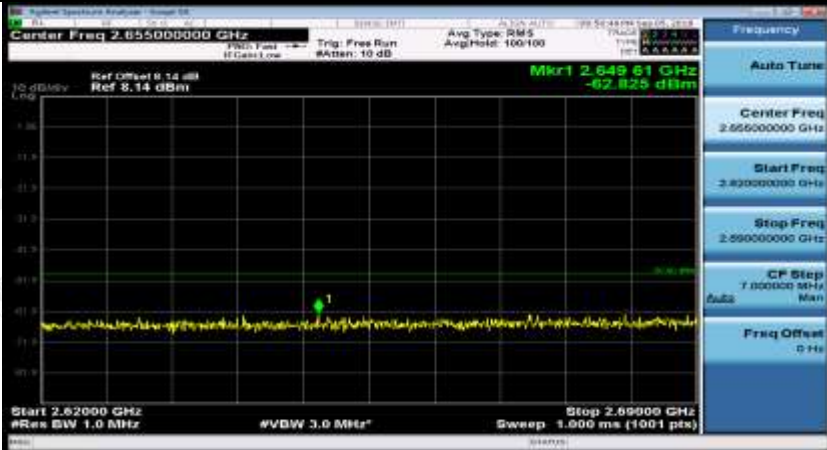
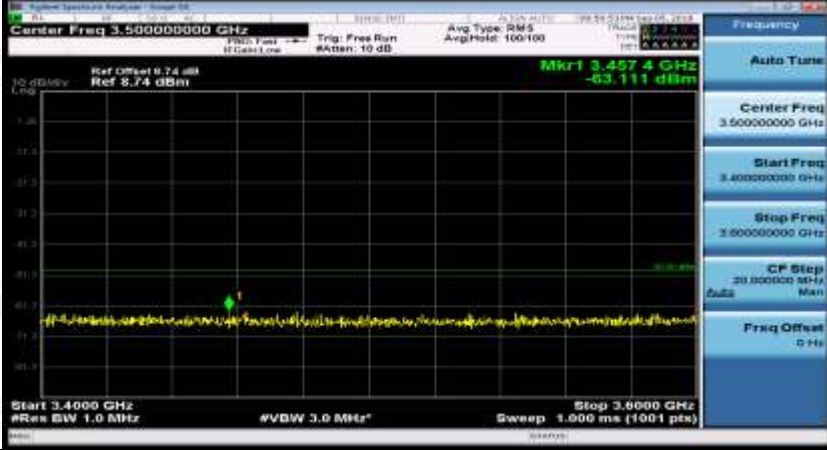
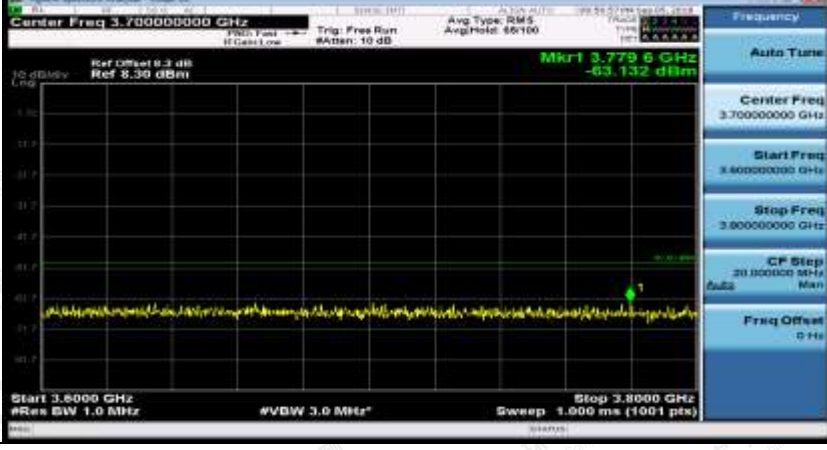
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Co-existence	
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Co-existence	
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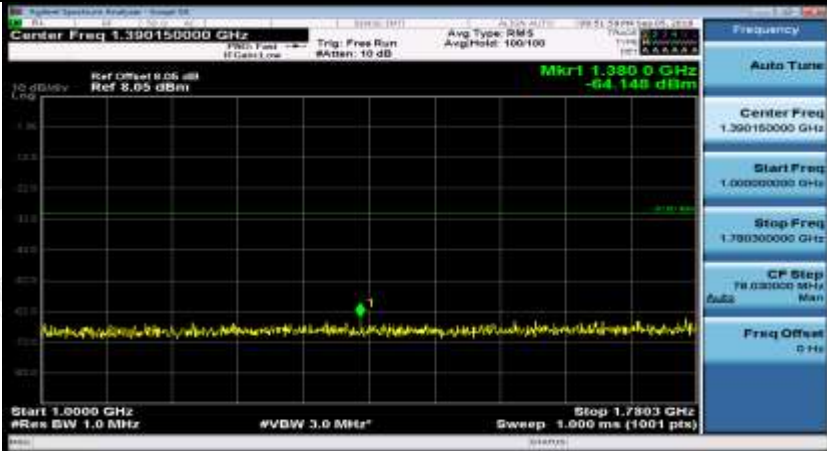
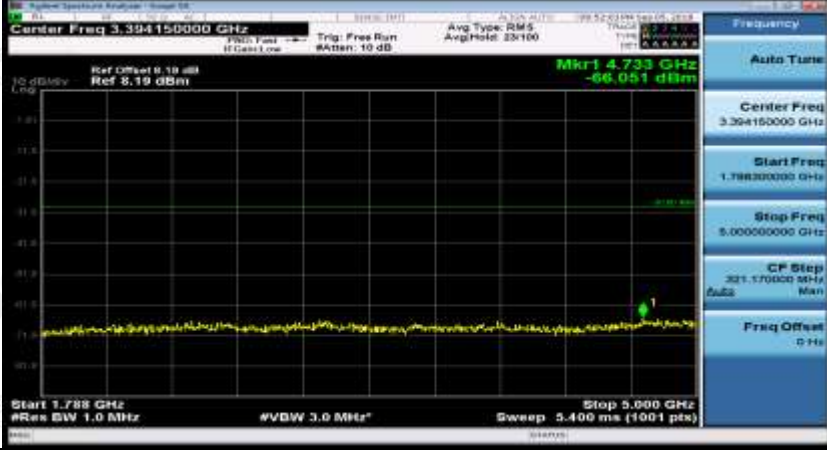

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

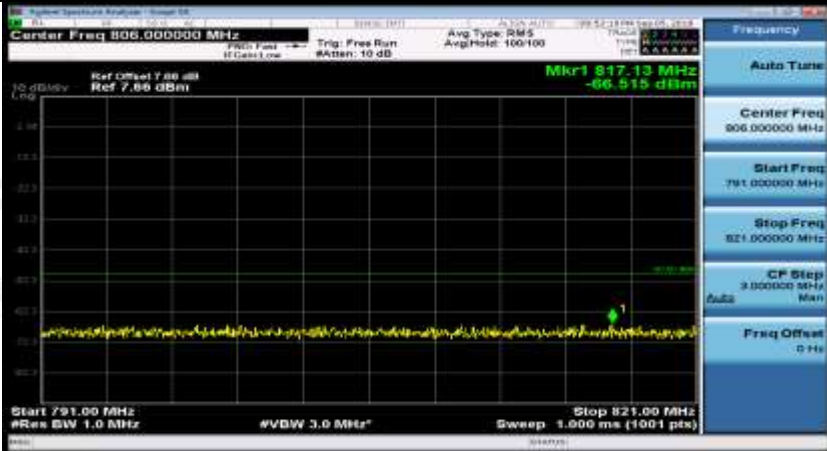
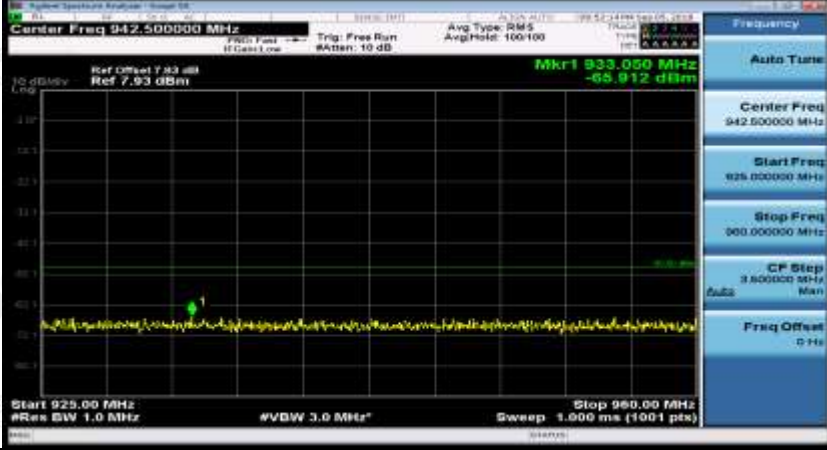
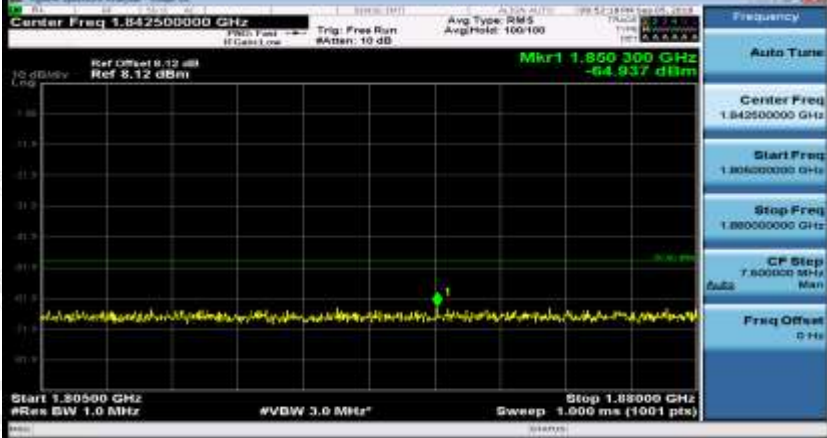
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Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullIRB#0	
General	
General	
General	

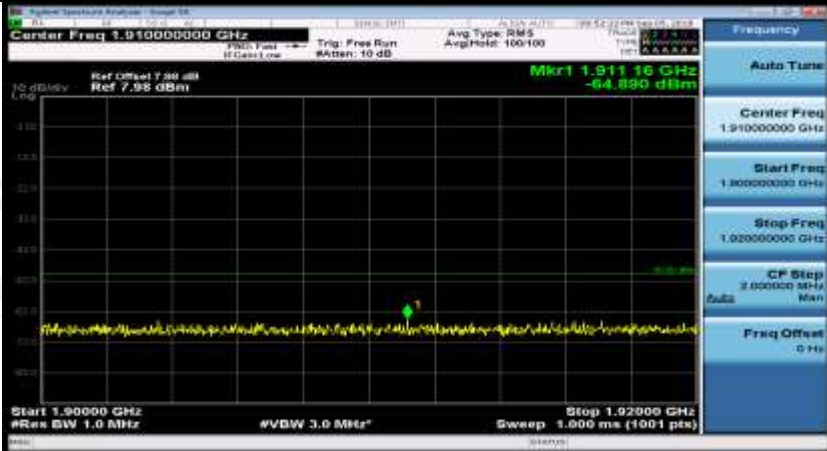
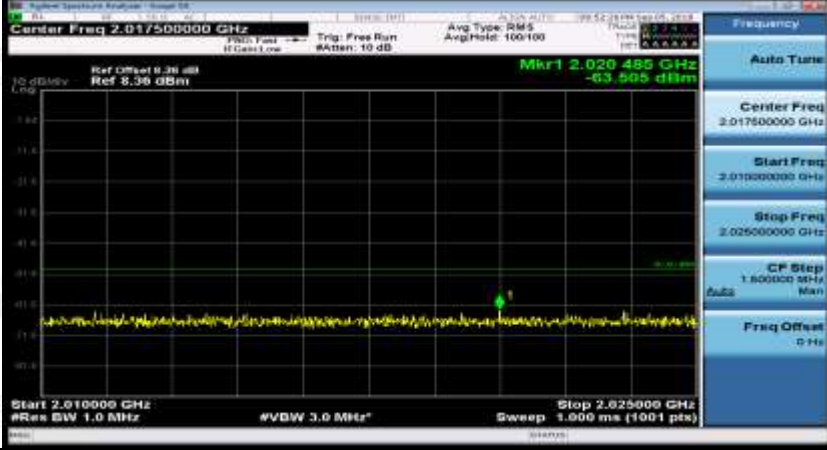
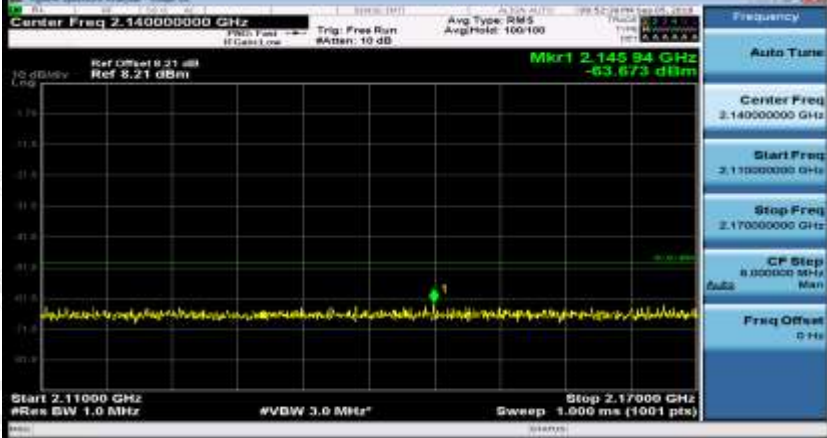
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General	
General	
General	

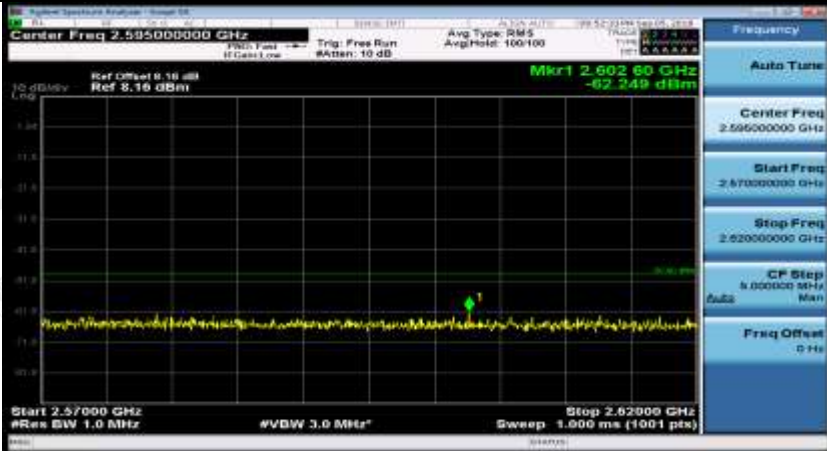

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Co-existence	
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Co-existence	
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Co-existence	

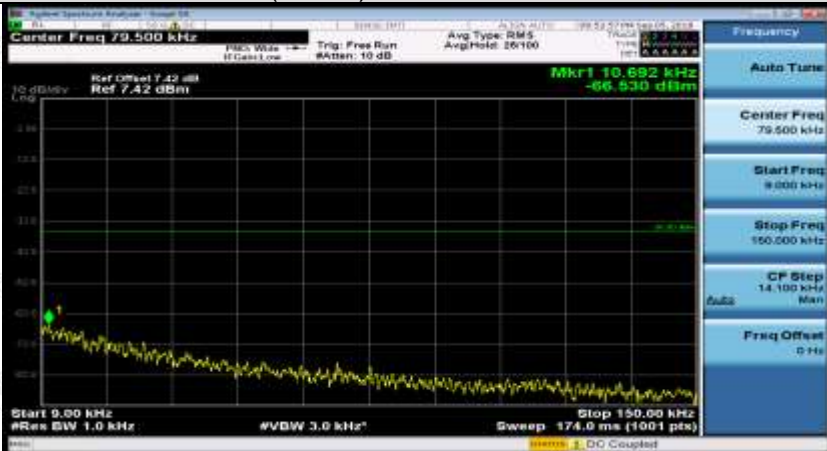
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Co-existence	
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Co-existence	

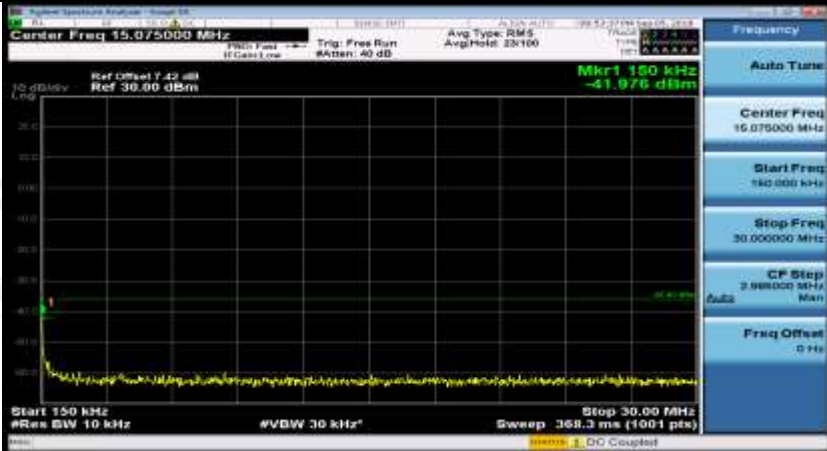
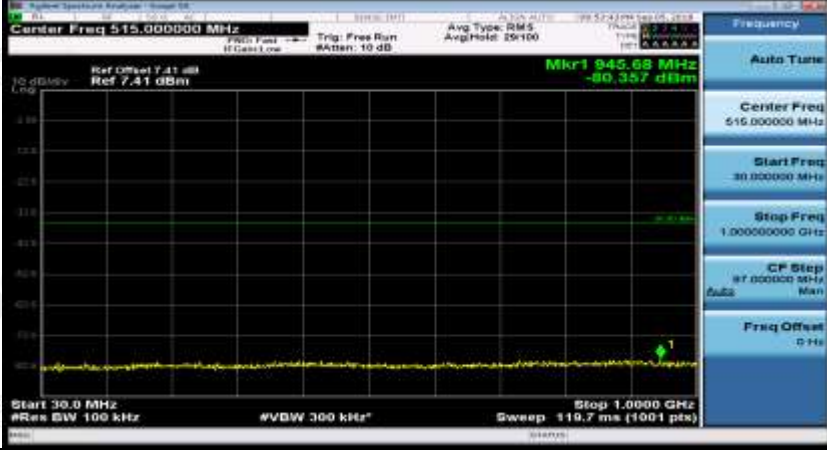
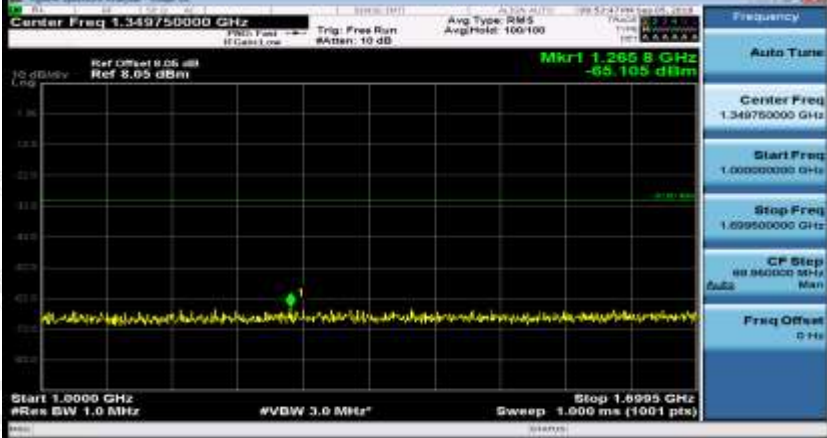
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Co-existence	
Additional	NA

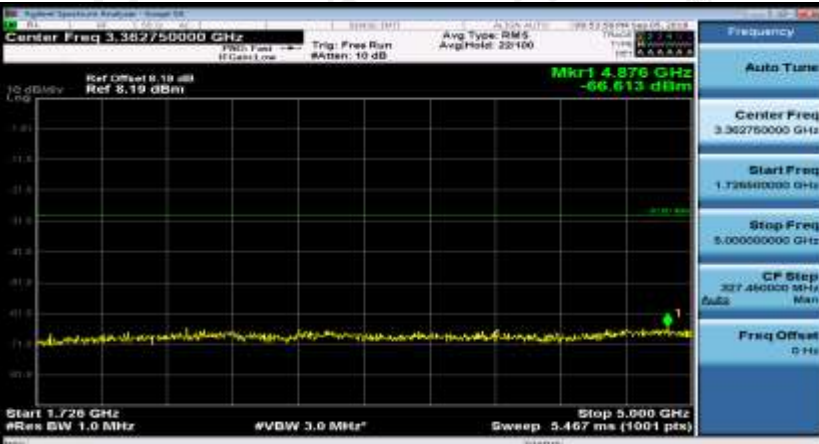


Channel Bandwidth= (5 MHz)

Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	

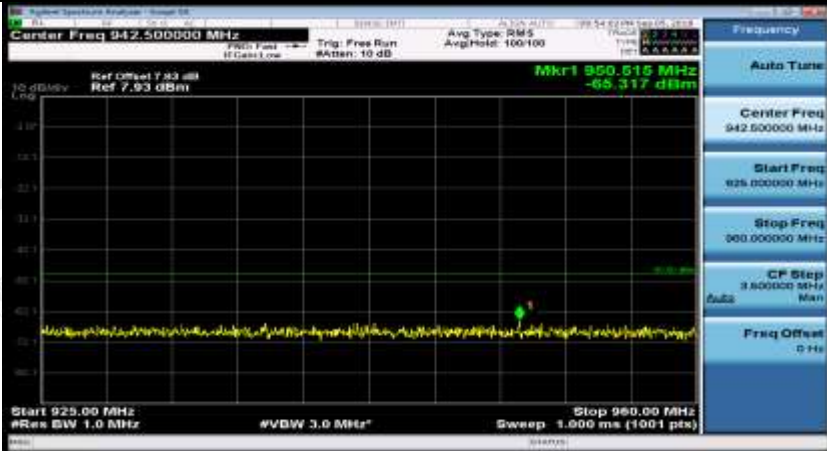
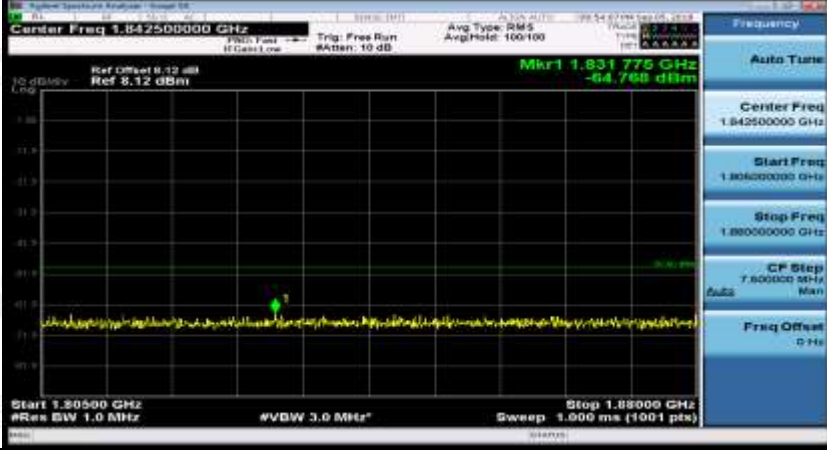
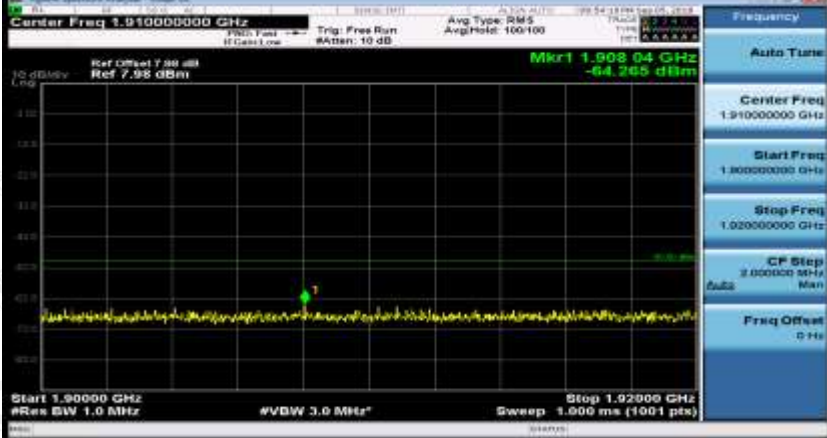
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General	
General	
General	

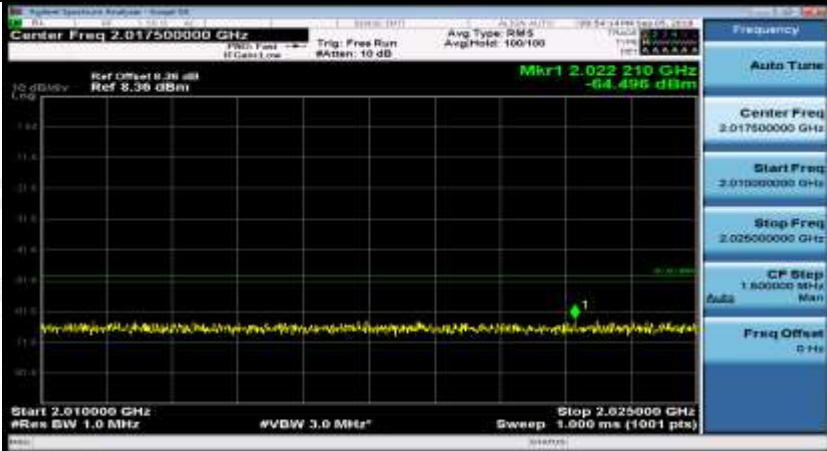
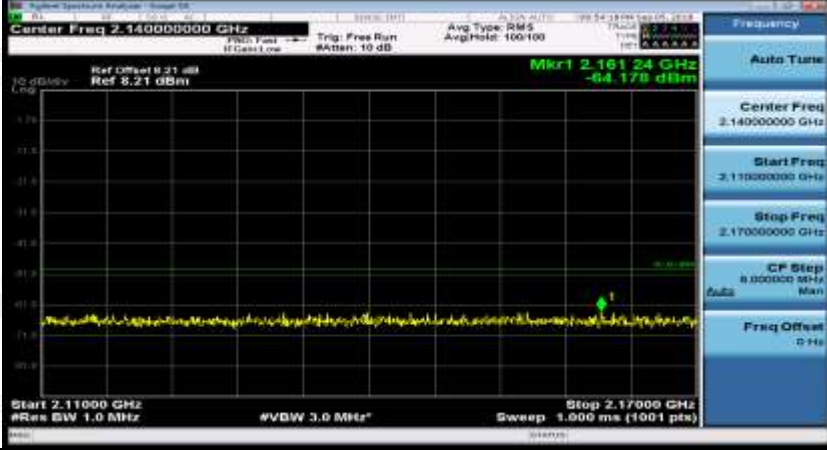
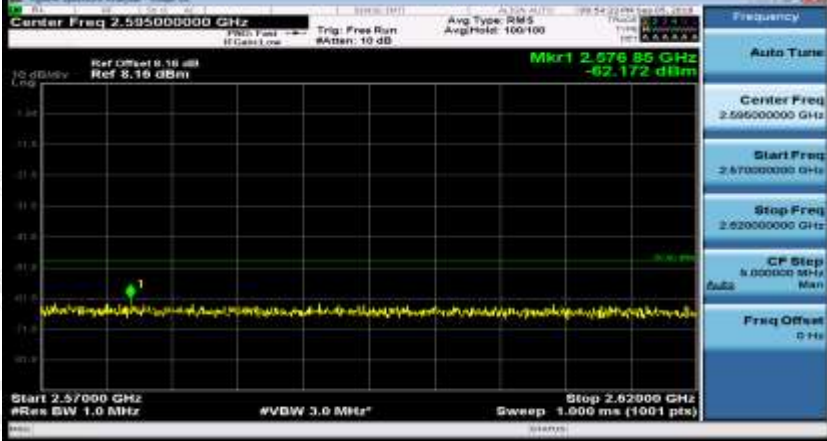
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General			
General			
Co-existence			

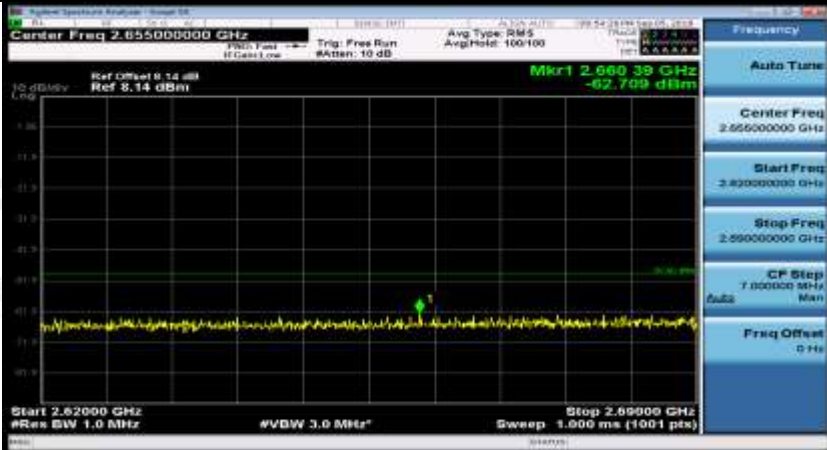
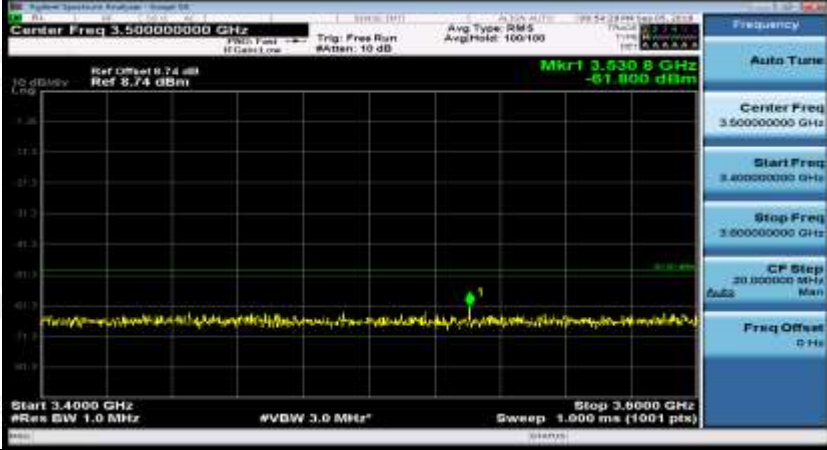
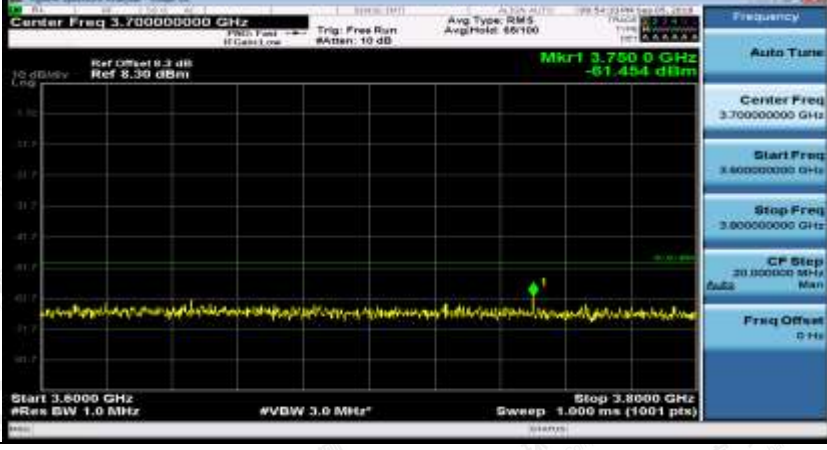
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Co-existence	
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

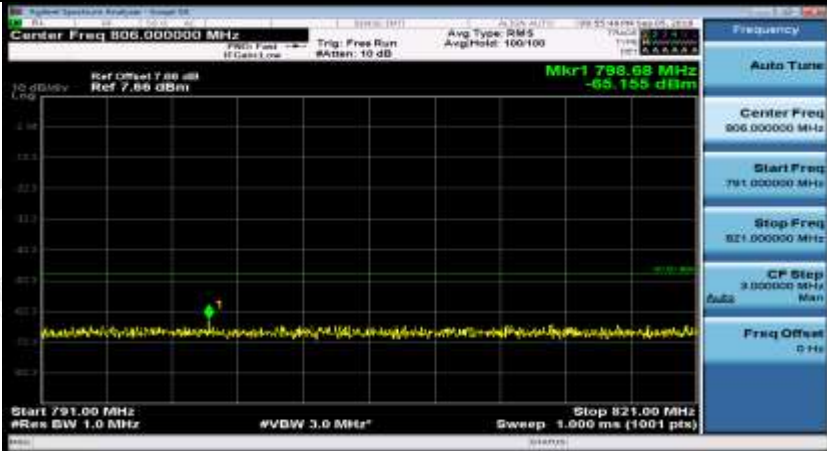
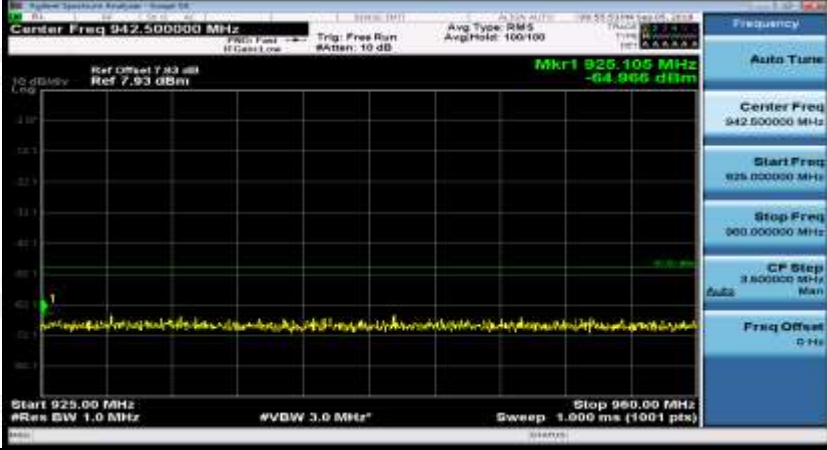
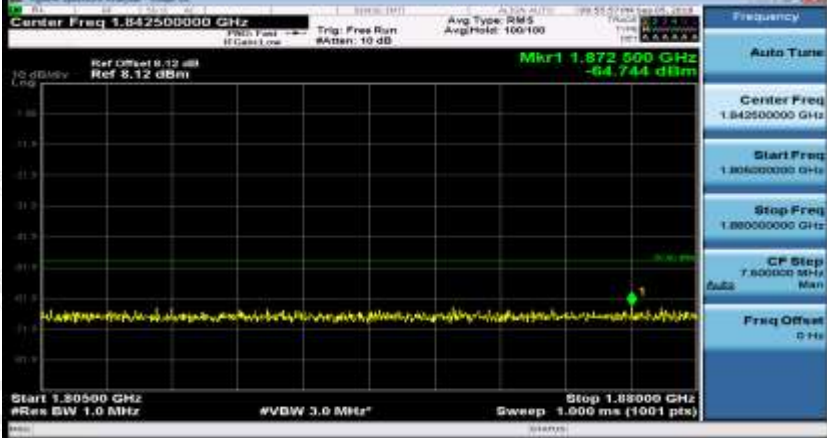
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Channel Bandwidth= (5 MHz)_QPSK_LCH_1RB#max	
General	
General	
General	

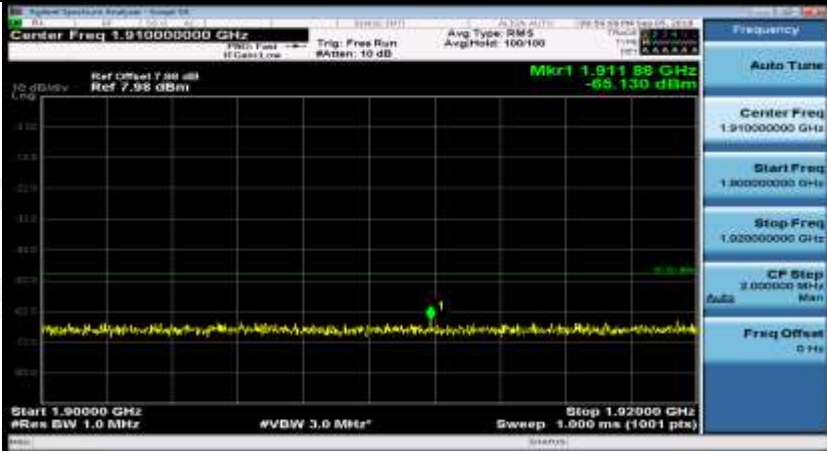
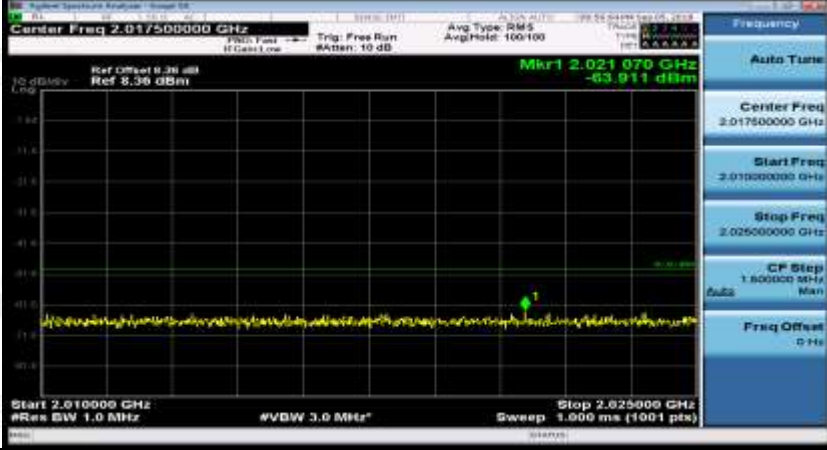
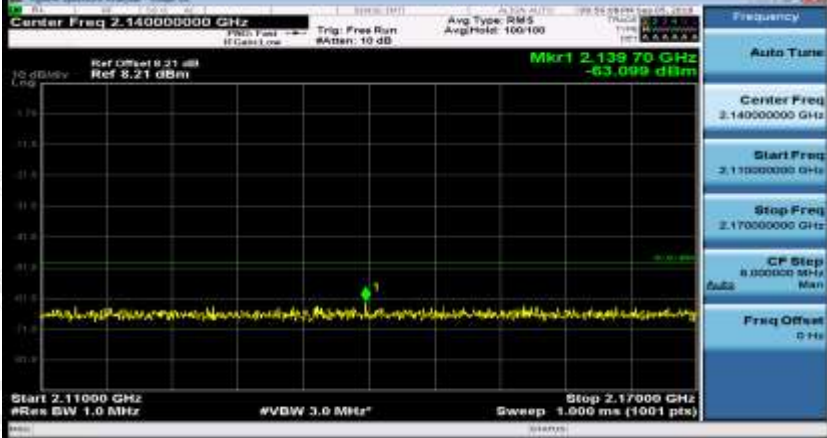
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General			
General			
General			

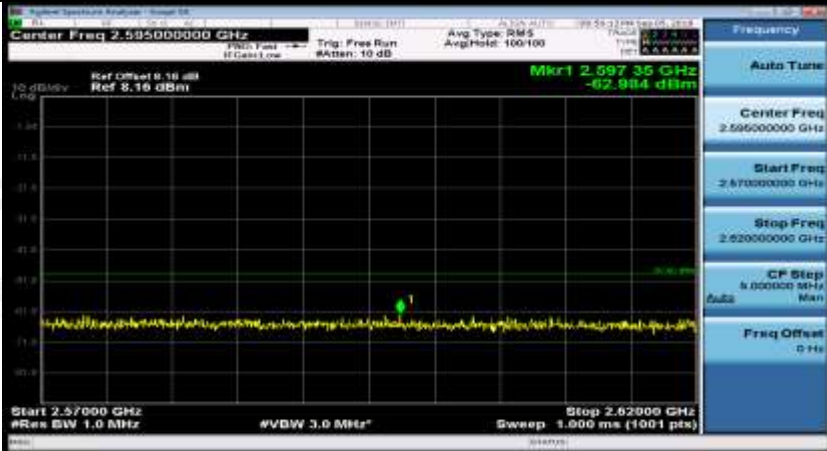
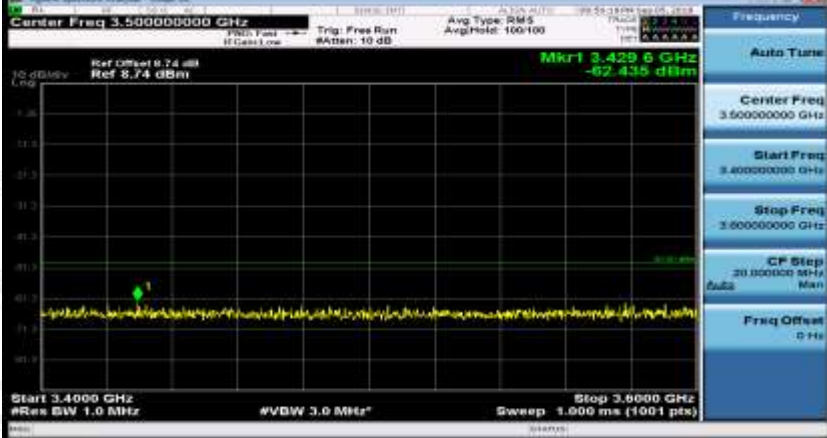
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Co-existence	
Co-existence	

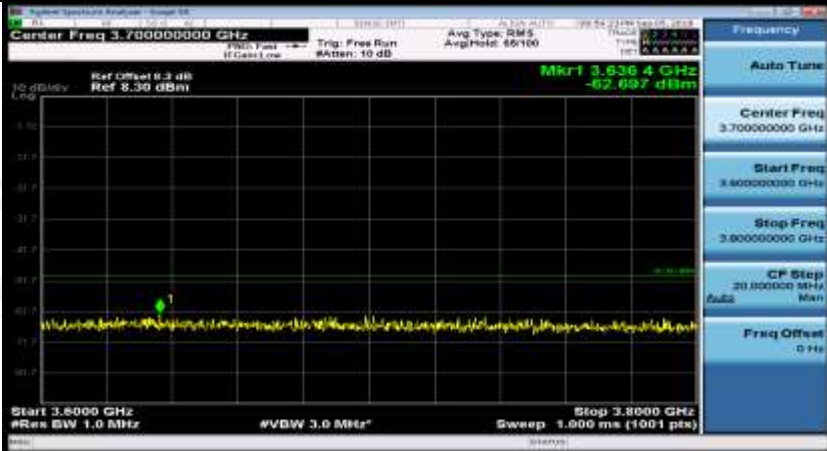
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Co-existence	
Co-existence	
Co-existence	

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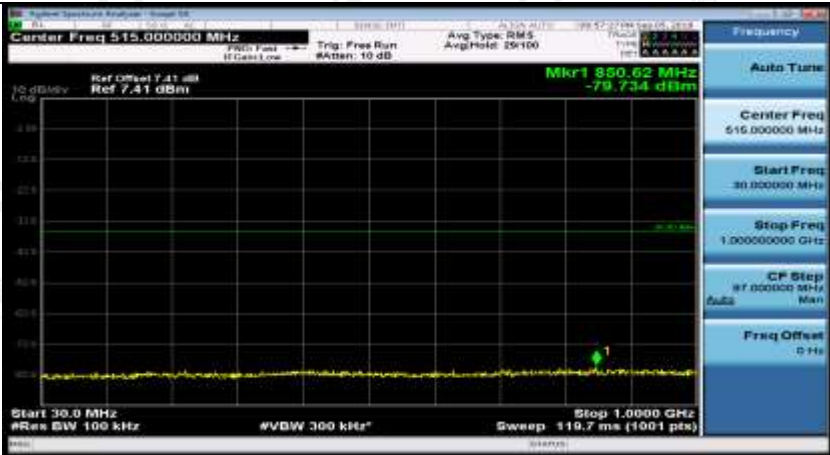
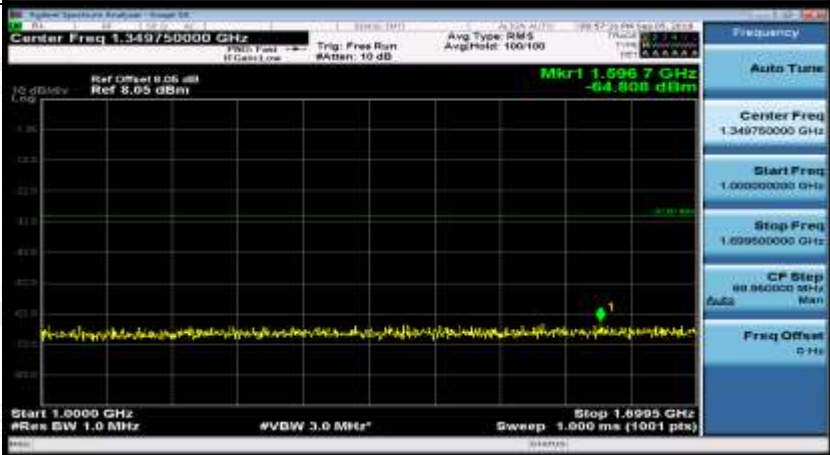

Co-existence	
Co-existence	
Co-existence	

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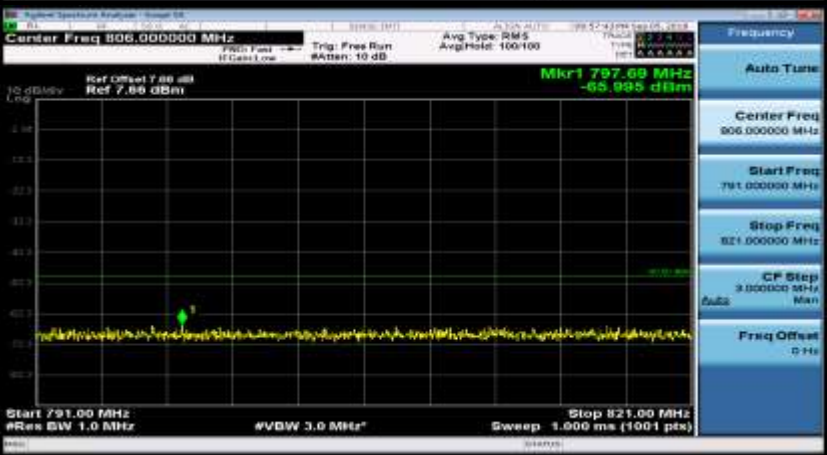
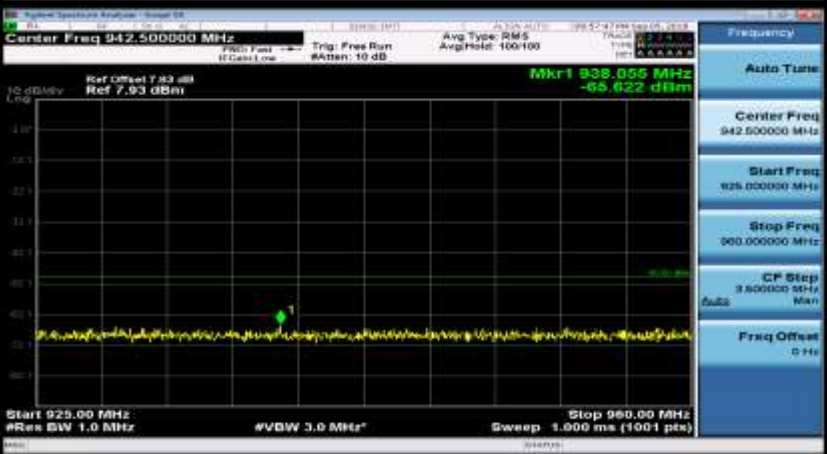
Co-existence	
Additional	NA

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

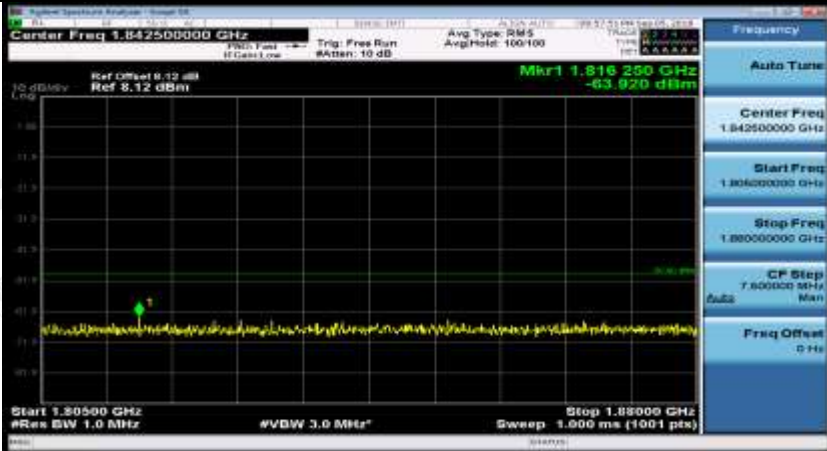
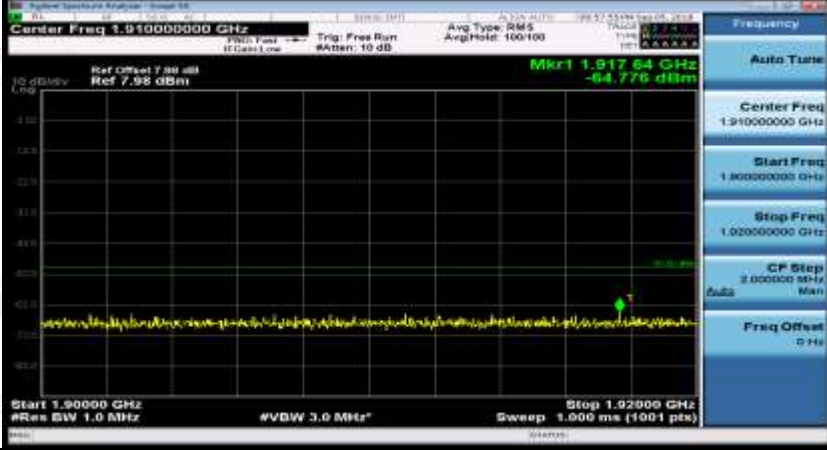
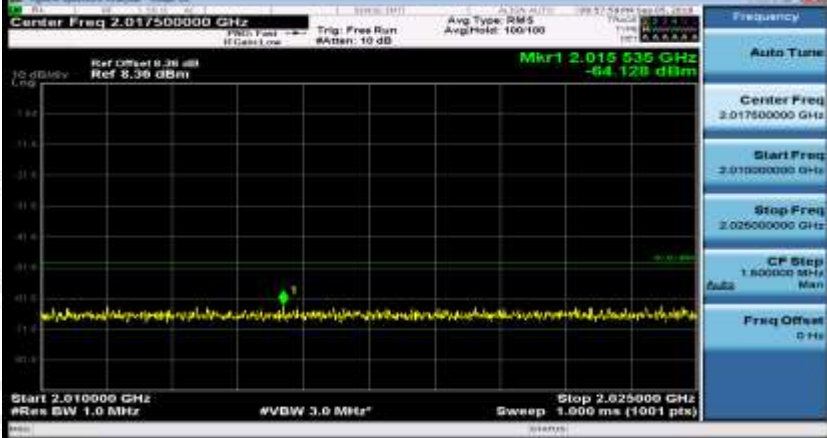
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General		
General		
General		

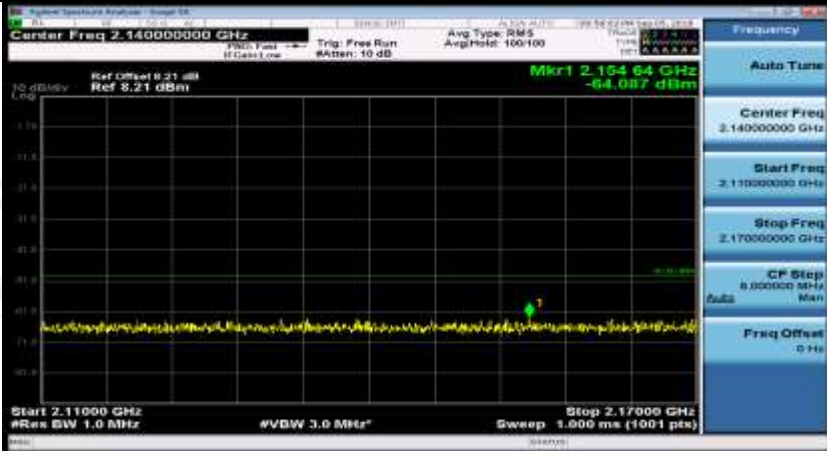
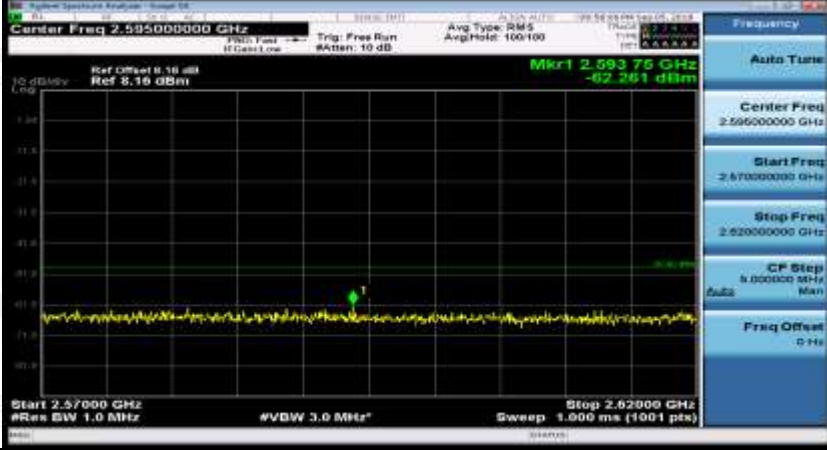

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General		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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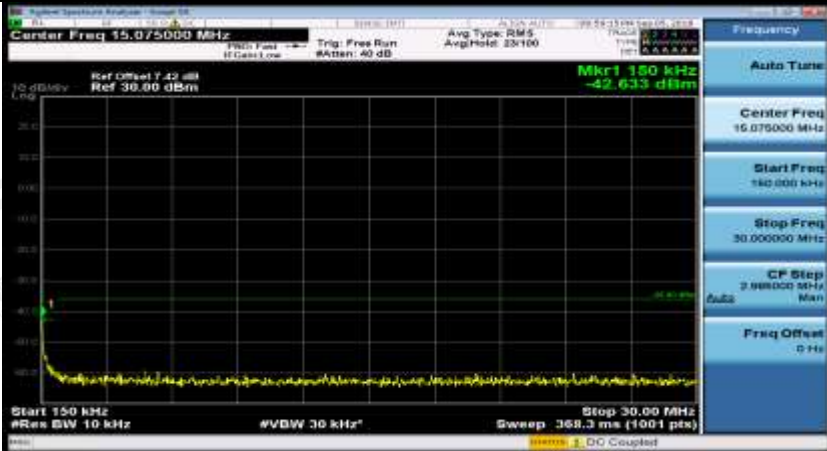
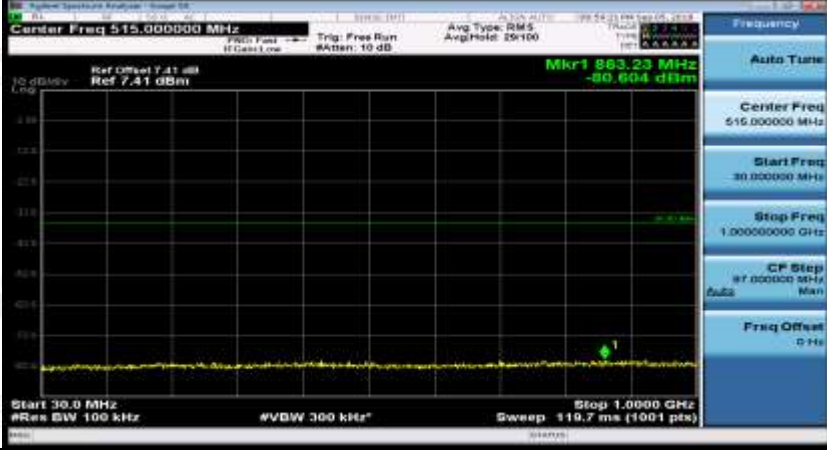
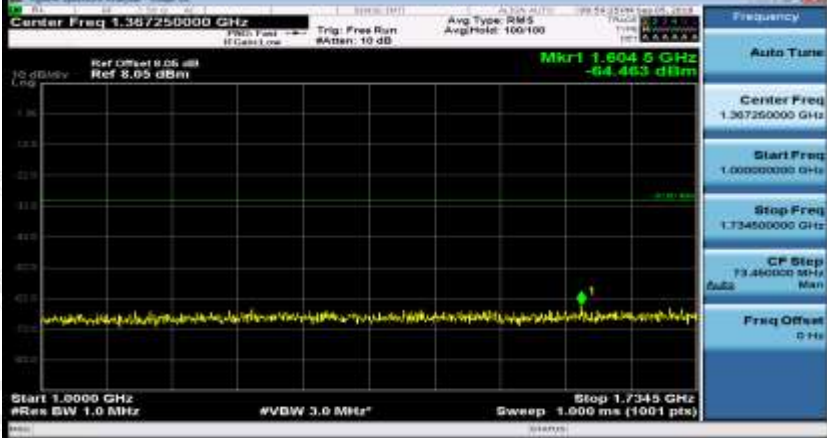
Co-existence	
Co-existence	
Co-existence	

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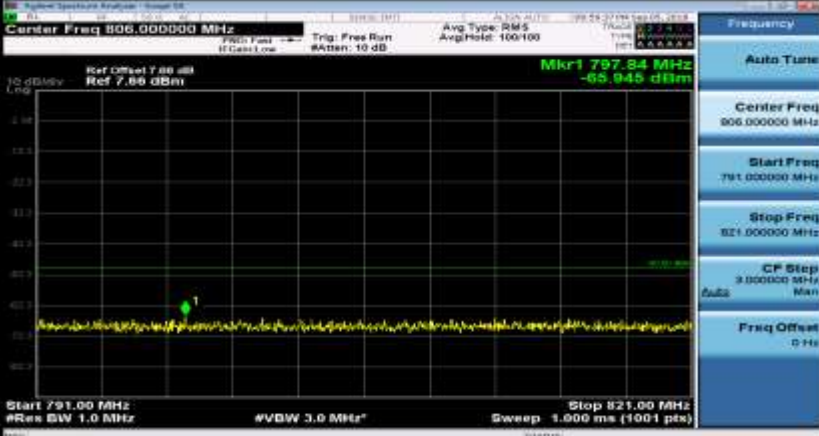
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	

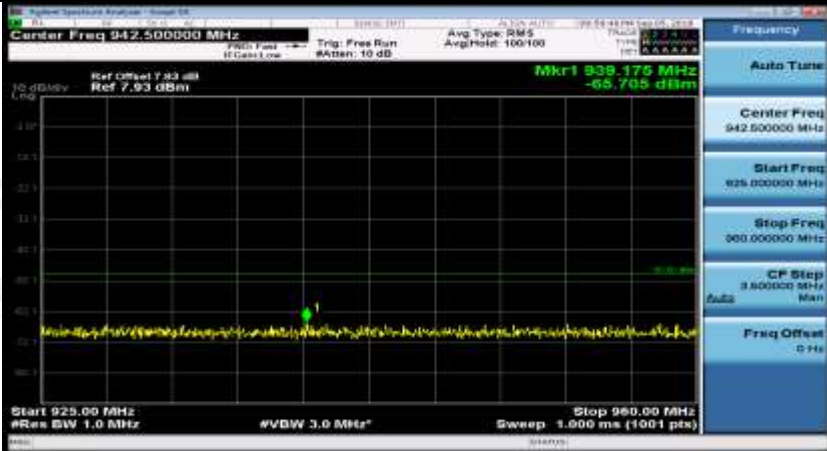
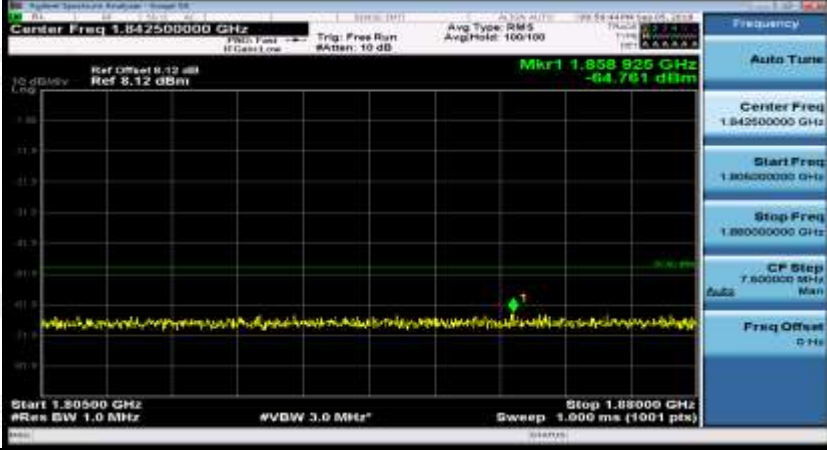
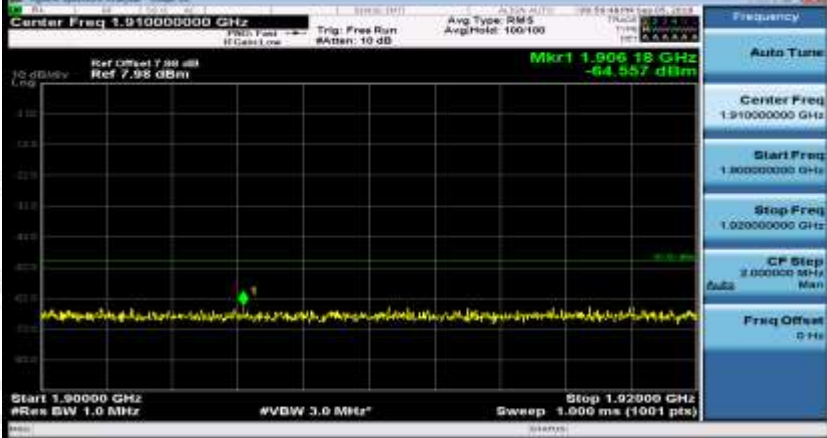
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General	
General	
General	

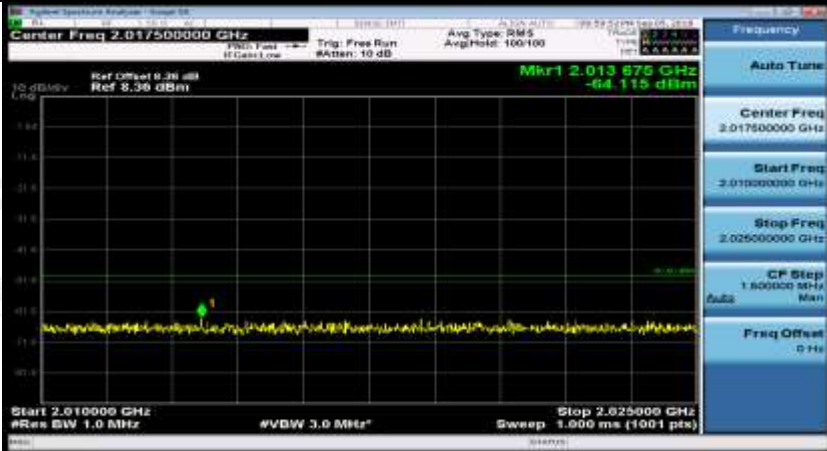
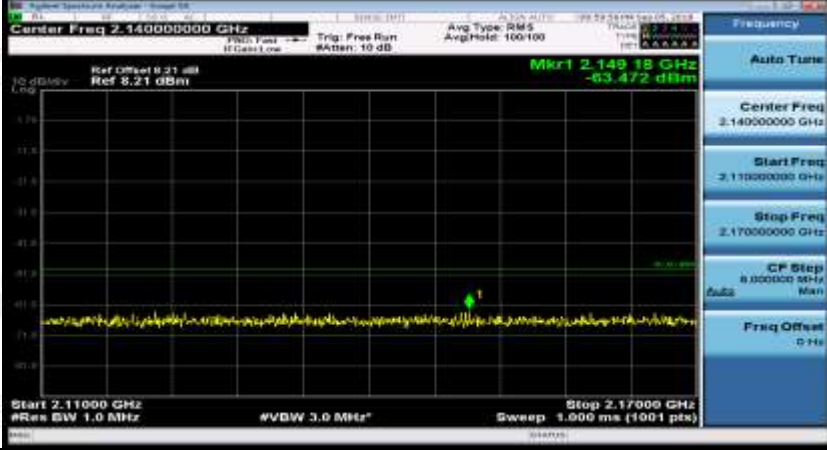
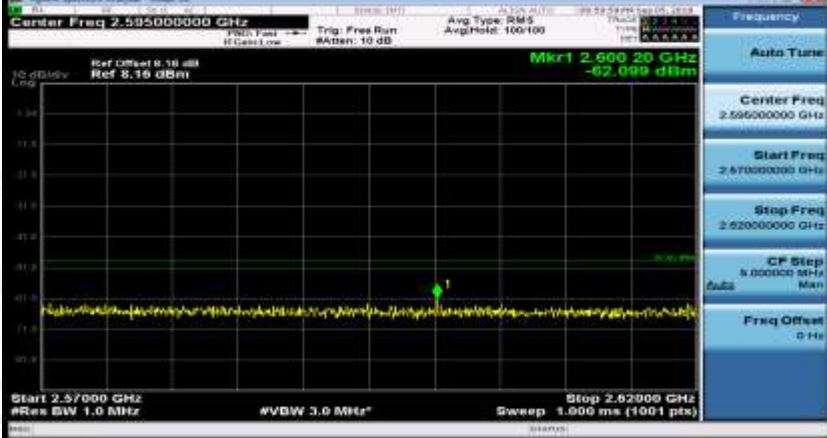
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General			
General			
Co-existence			

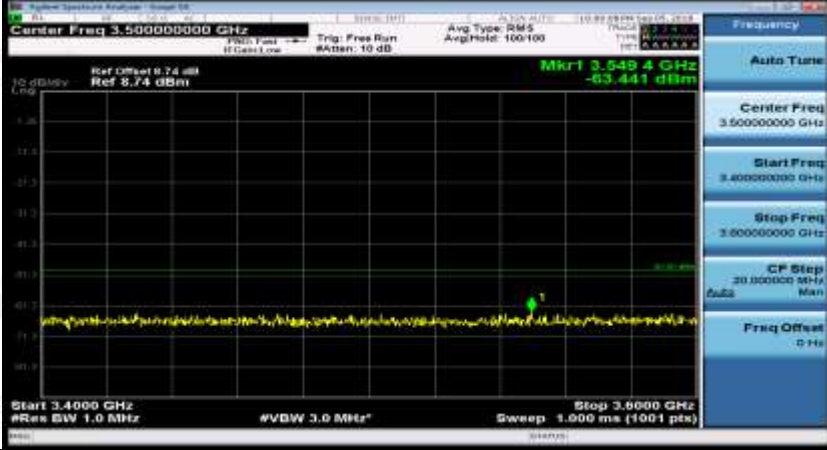

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Co-existence	
Co-existence	
Co-existence	

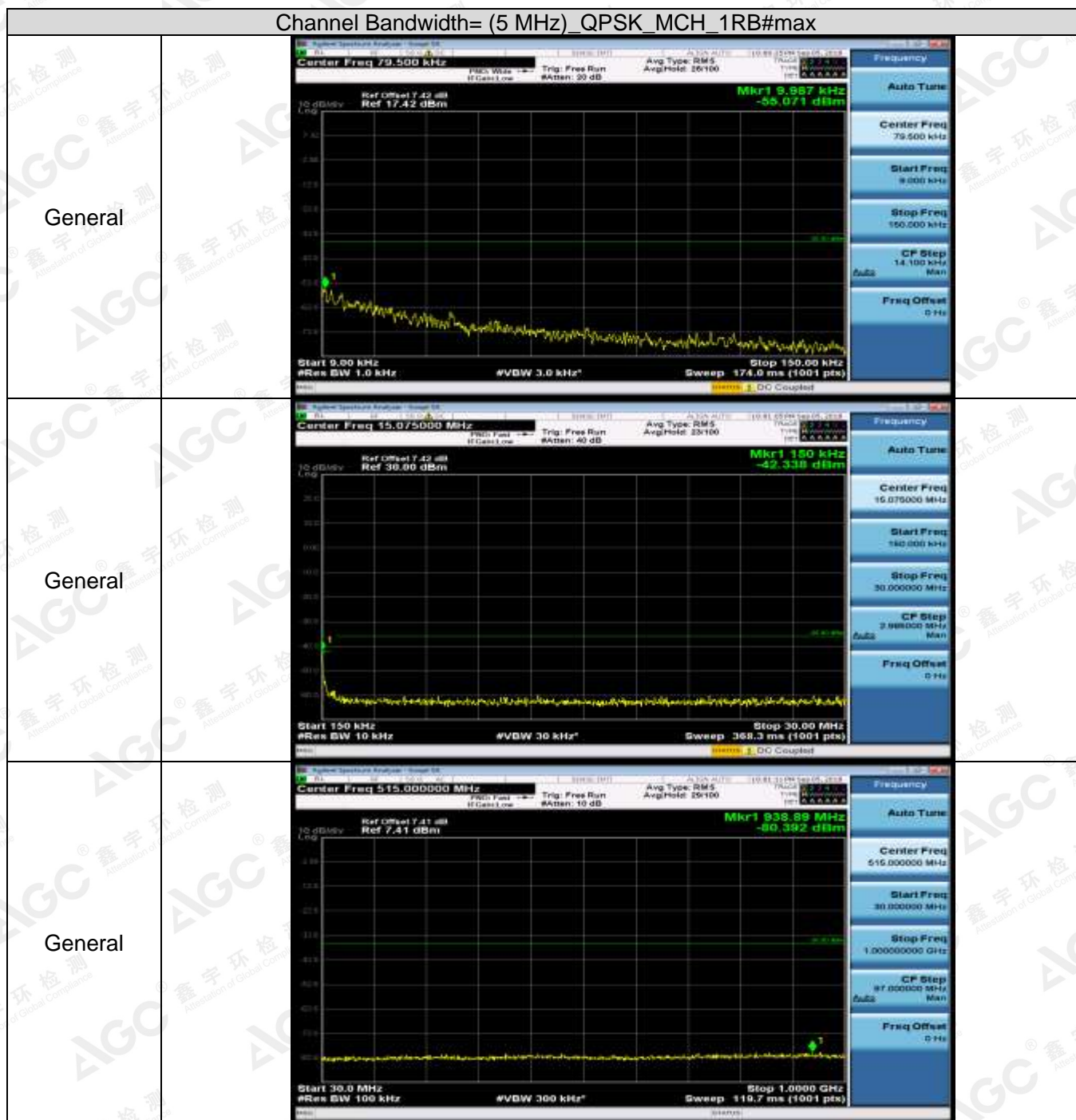
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Co-existence		
Co-existence		
Co-existence		

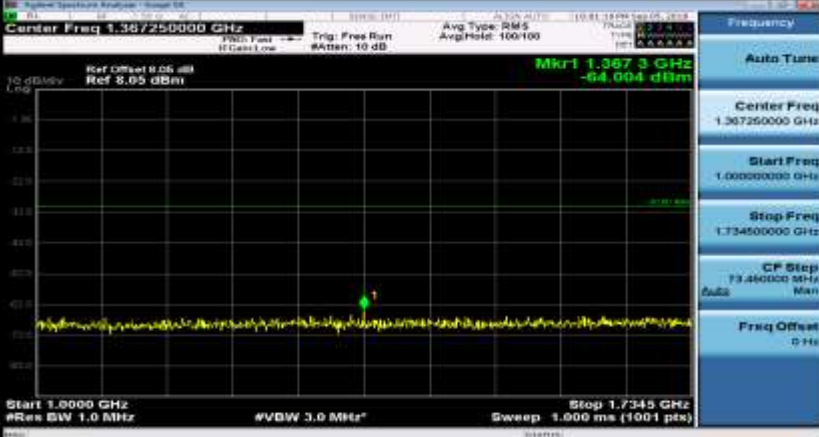


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Co-existence	
Co-existence	
Co-existence	
Additional	NA

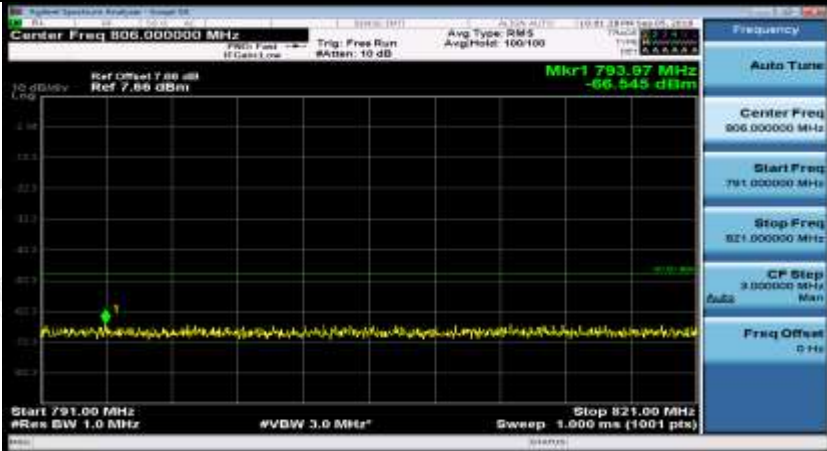
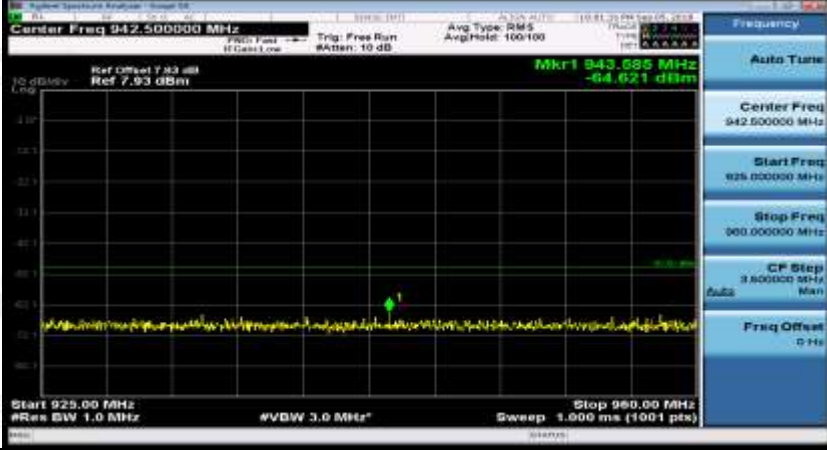
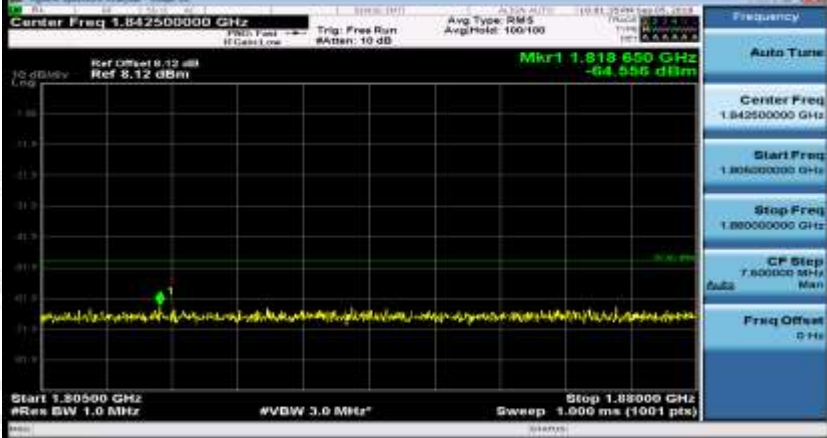
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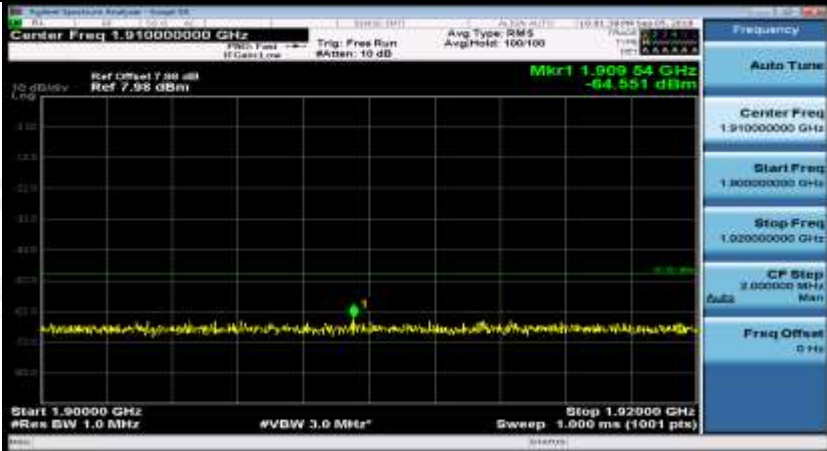
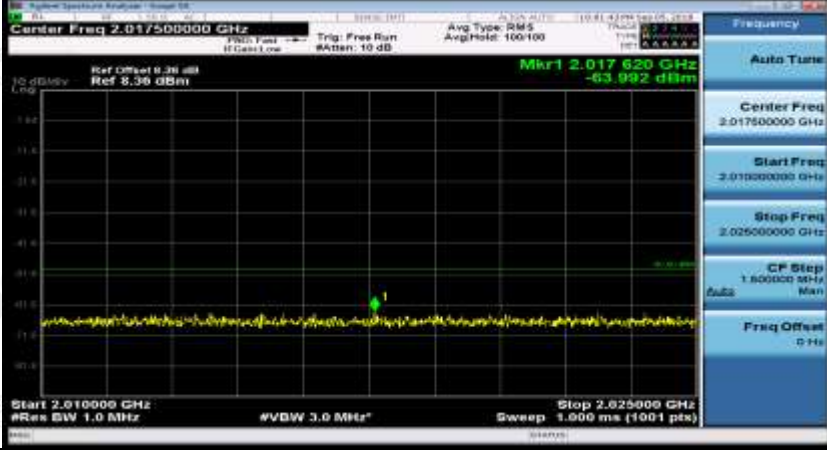
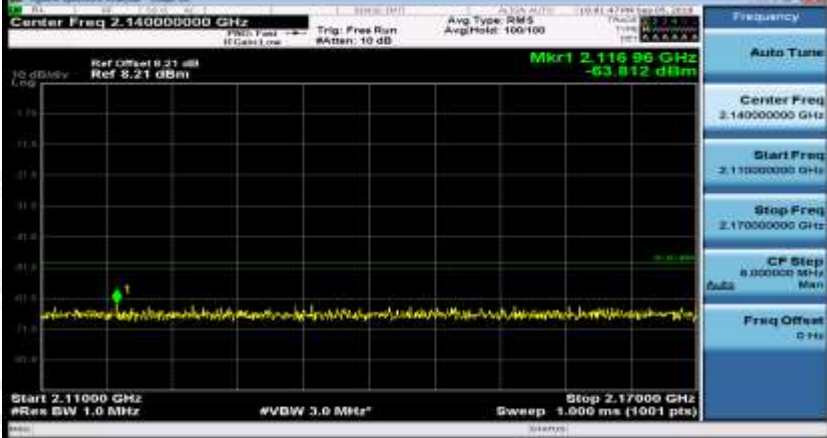
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General			
General			
General			

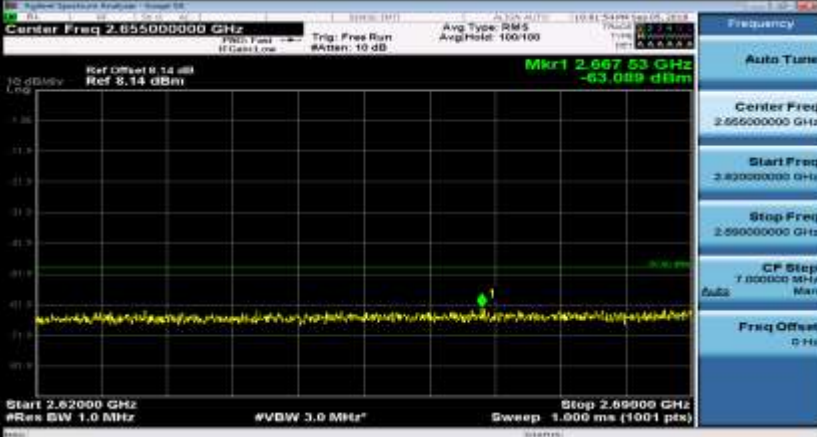
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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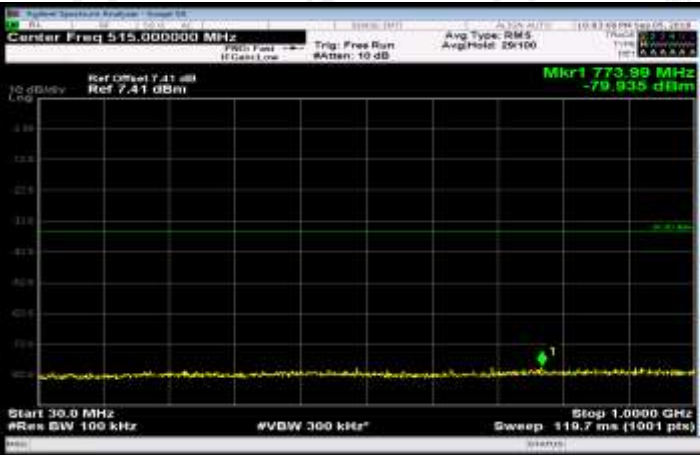
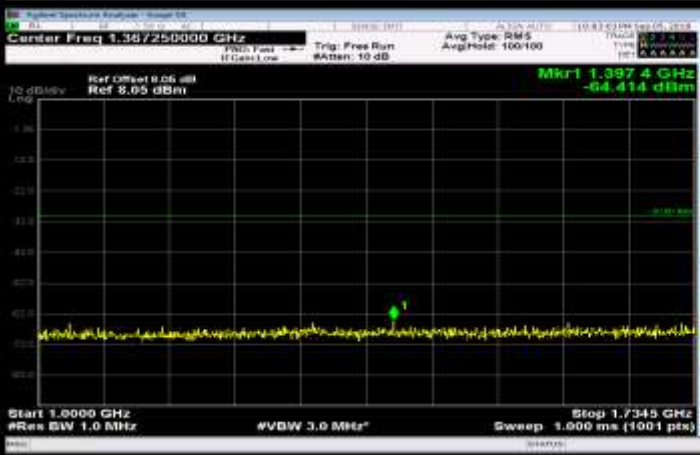
Co-existence			
Co-existence			
Co-existence			

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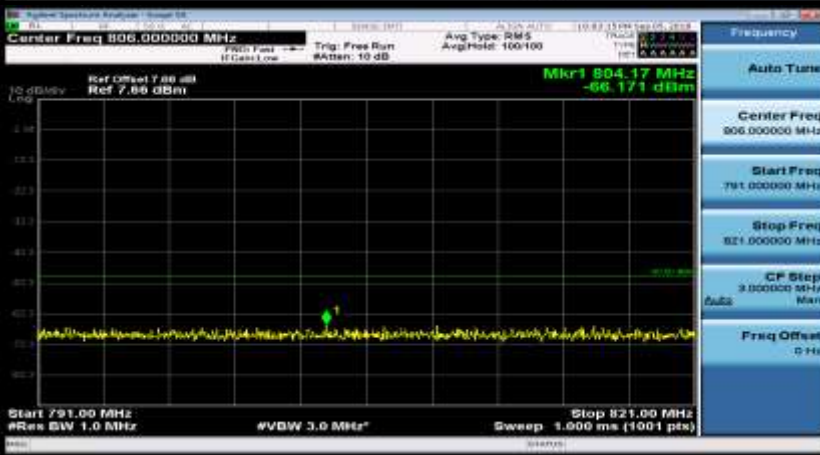
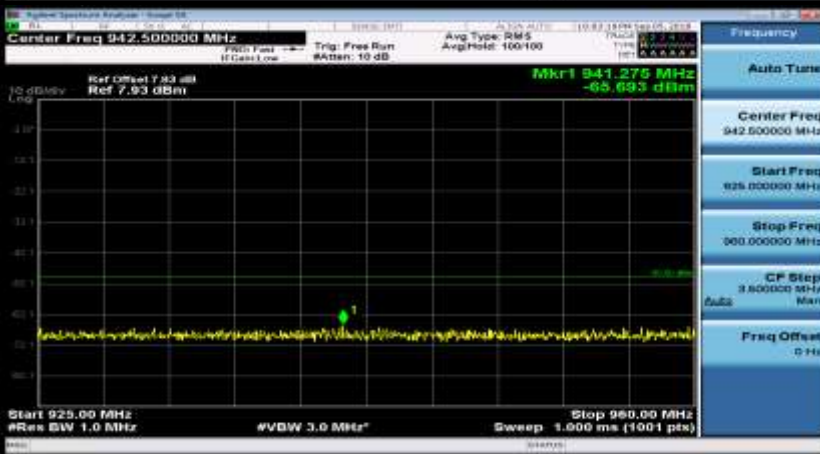
Co-existence	
Additional	NA

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

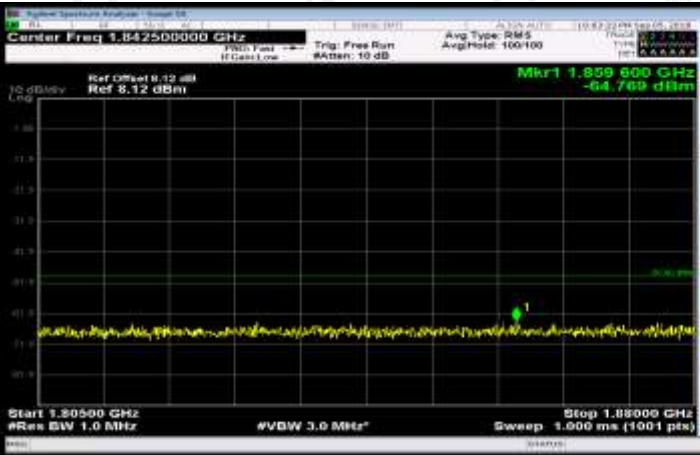
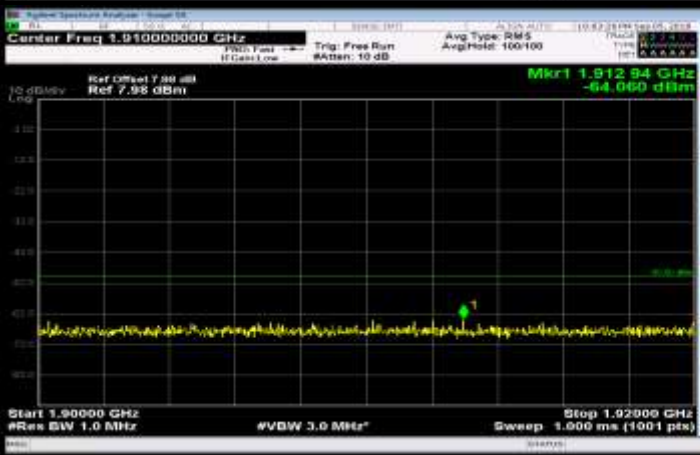
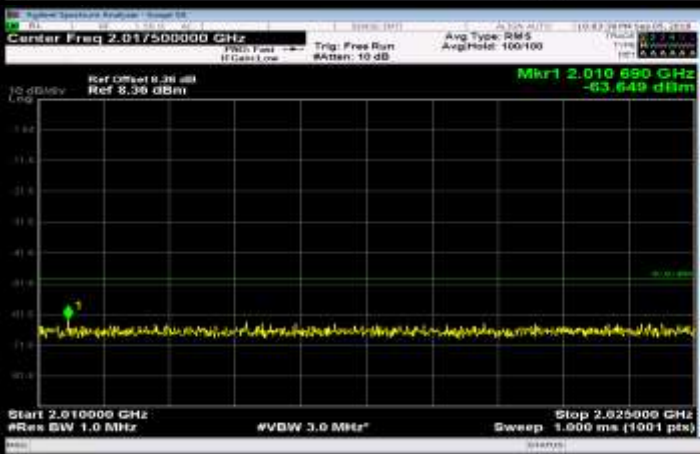
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General		
General		
General		

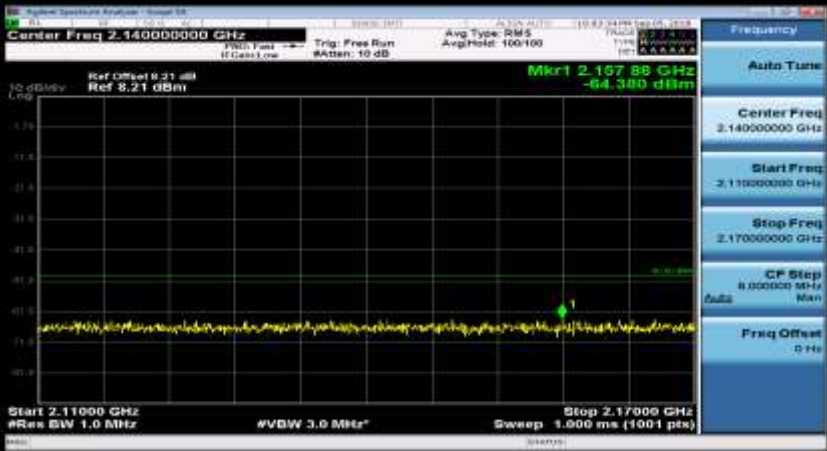
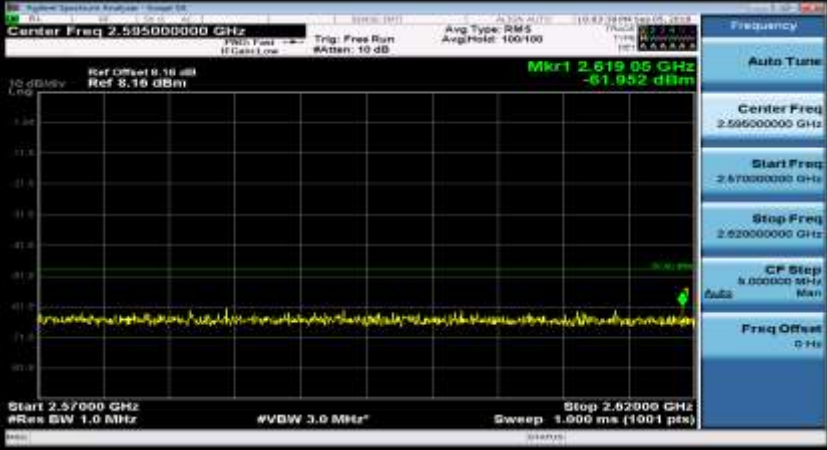
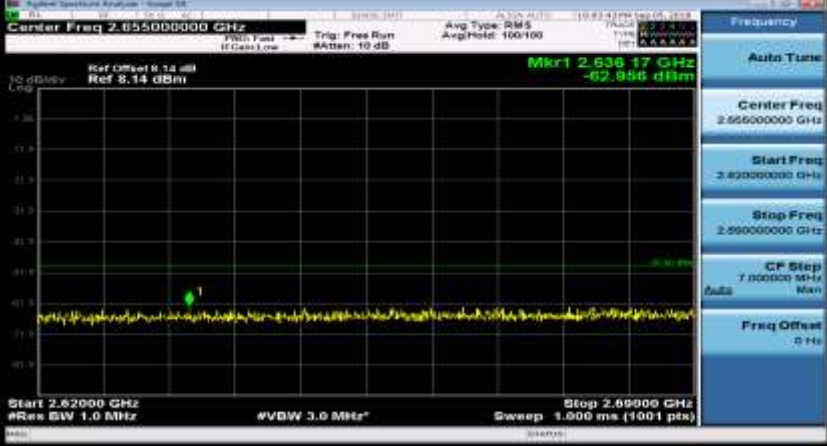
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General		
Co-existence		
Co-existence		

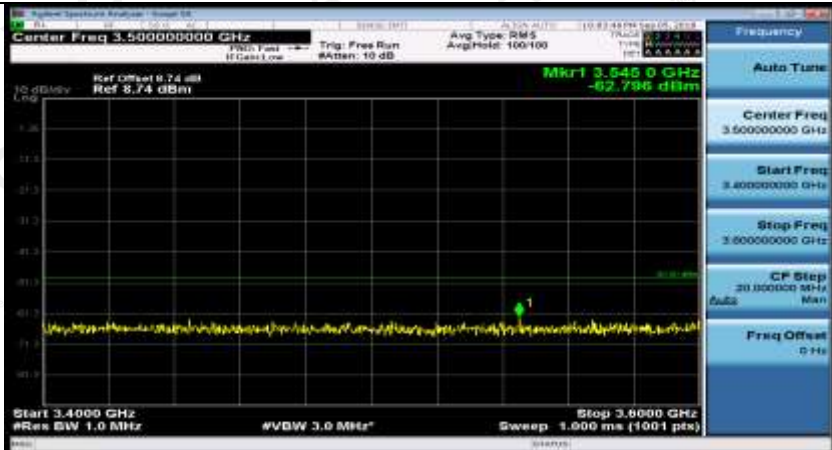
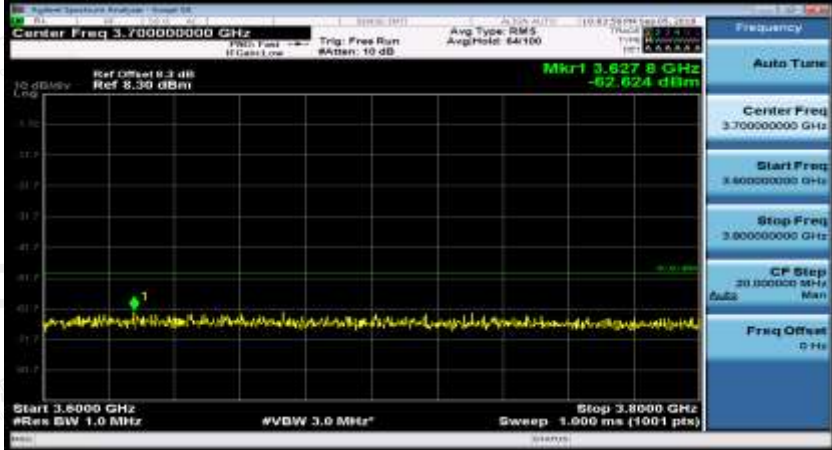
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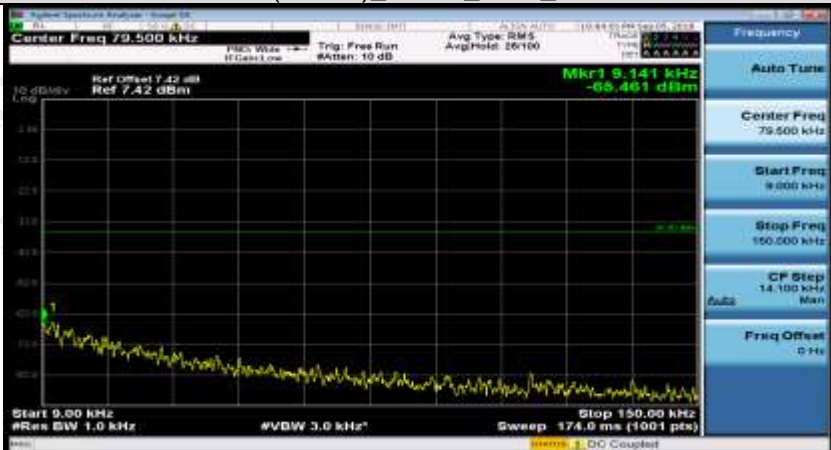
Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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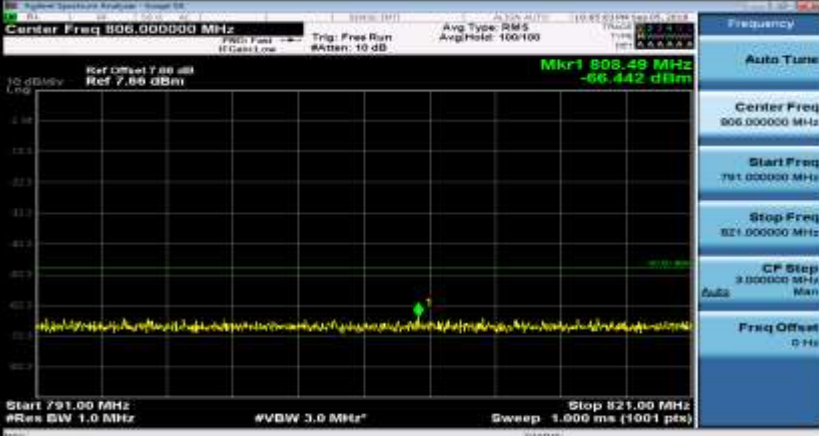
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	

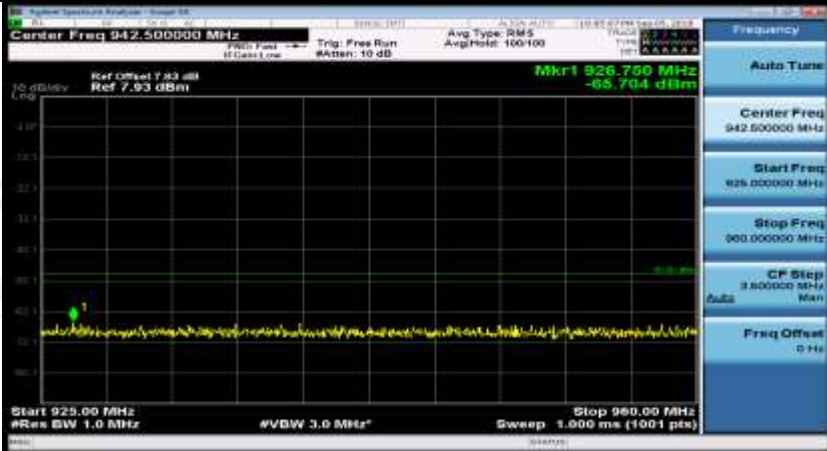
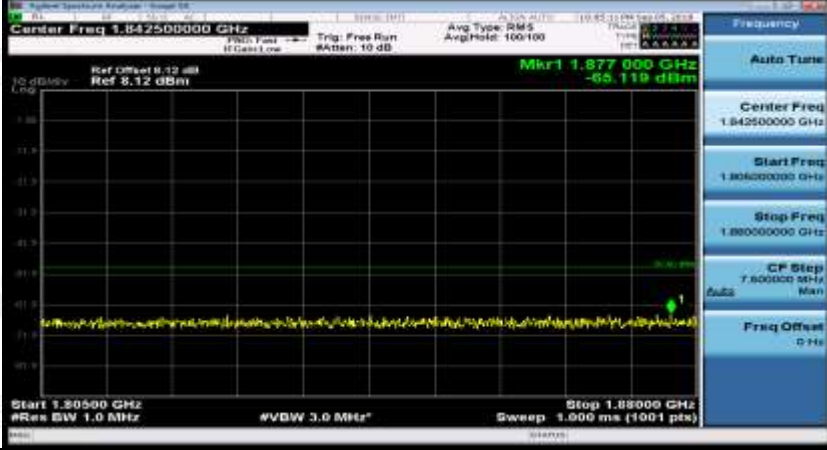
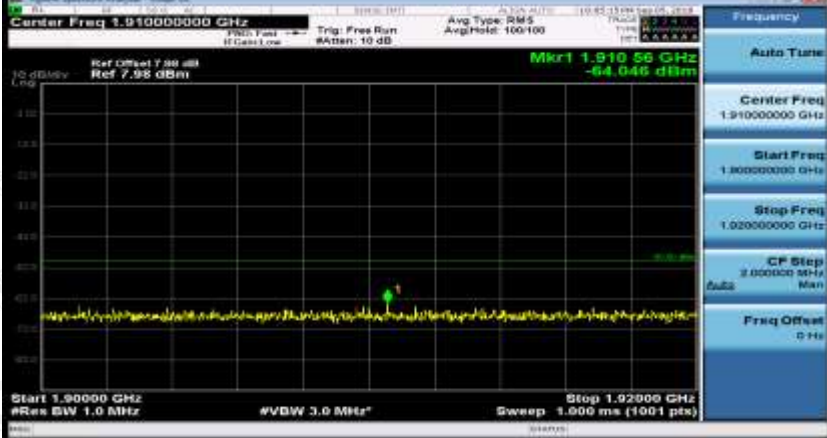
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General			
General			
General			

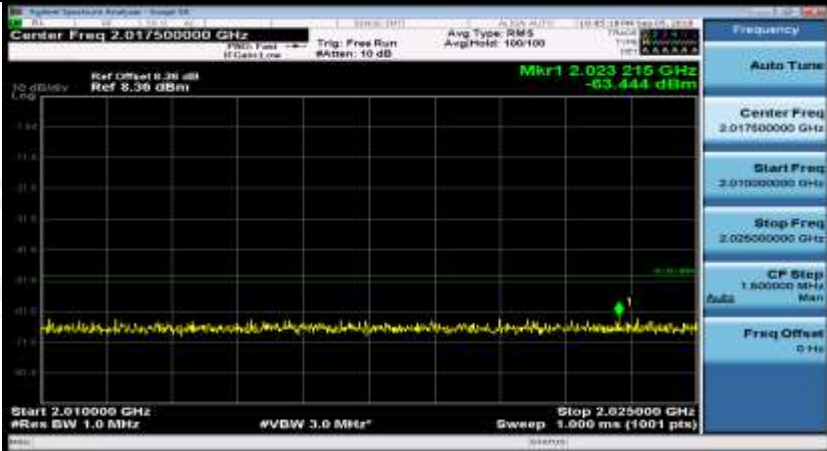
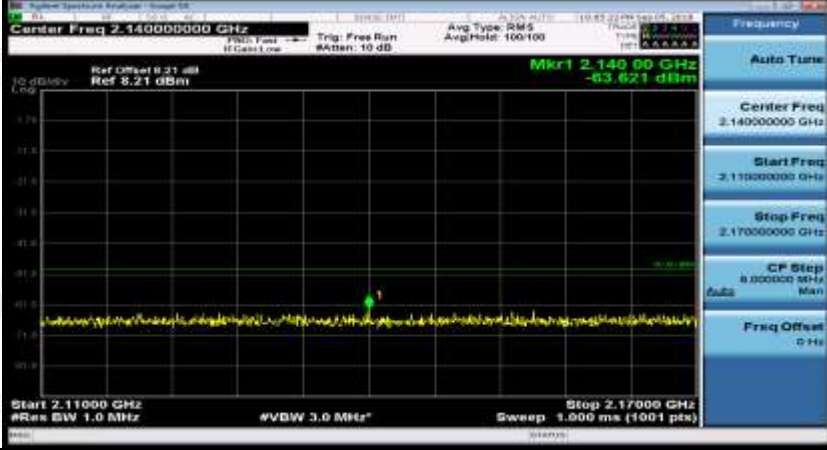
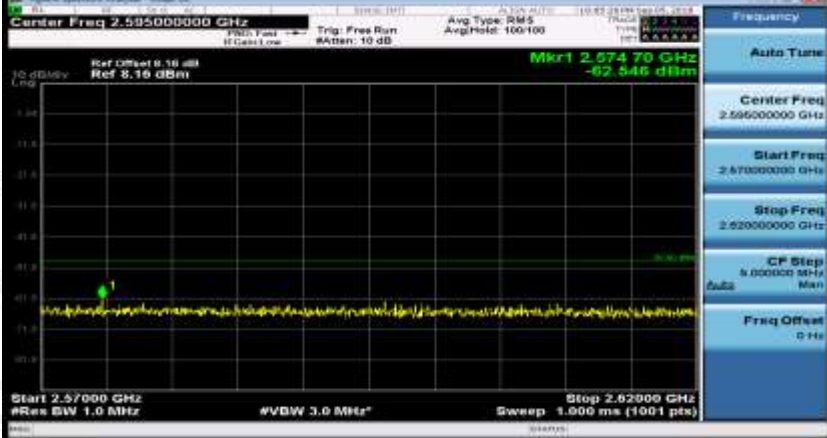
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General			
General			
Co-existence			

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Co-existence	
Co-existence	
Co-existence	

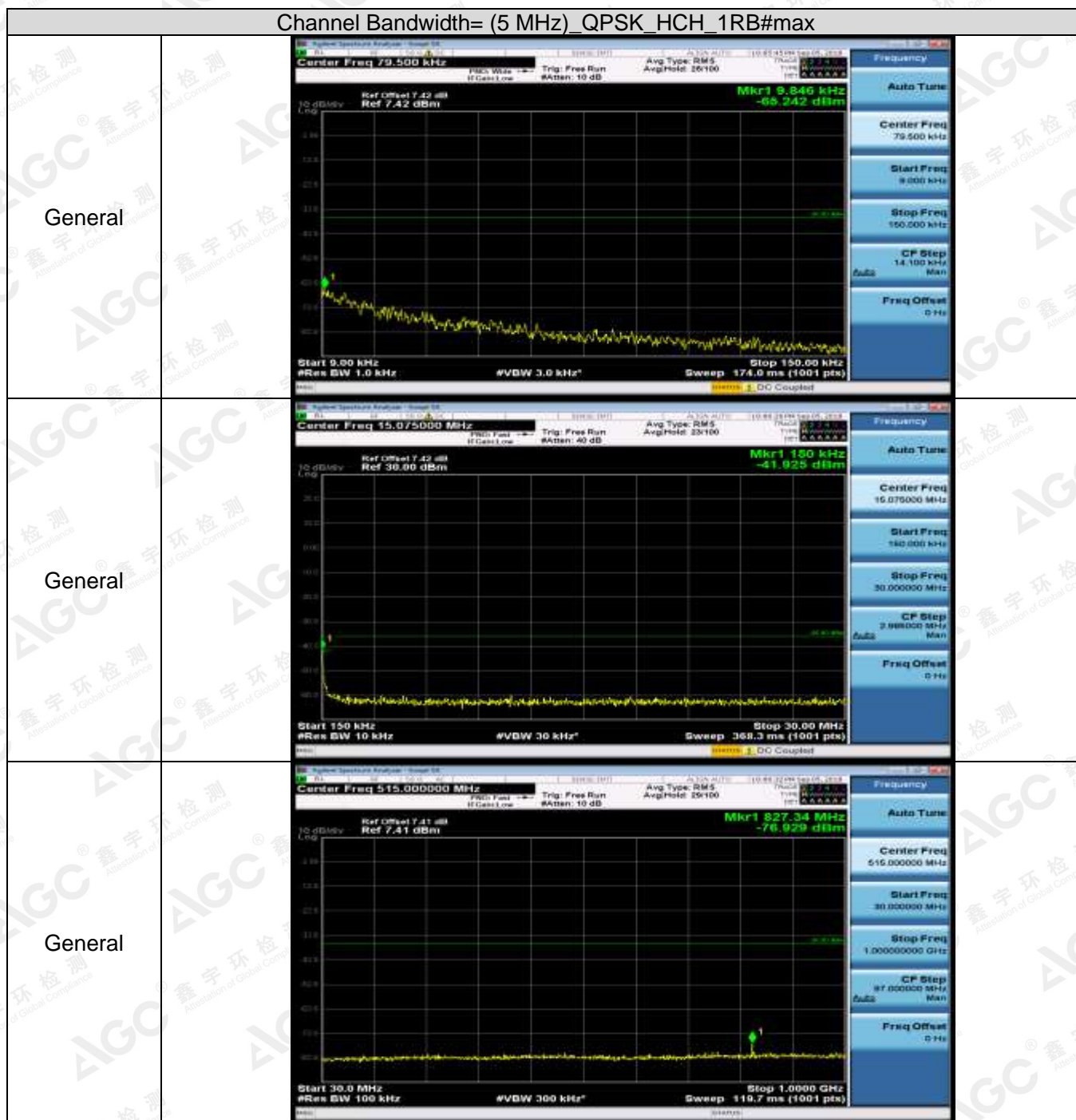
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

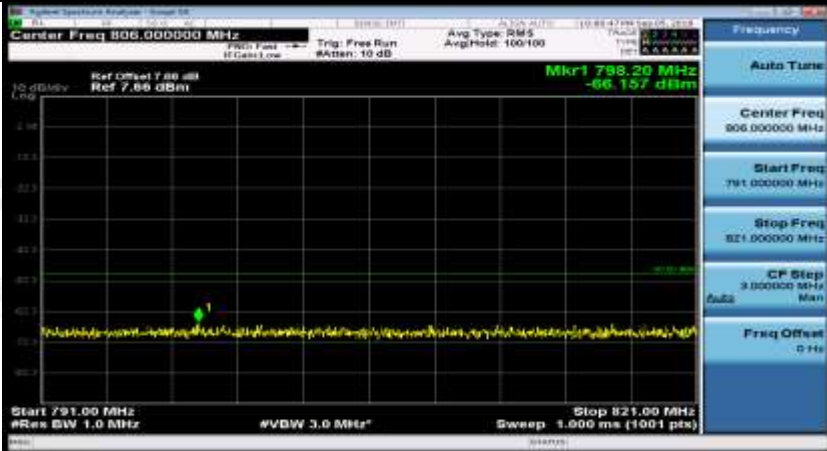
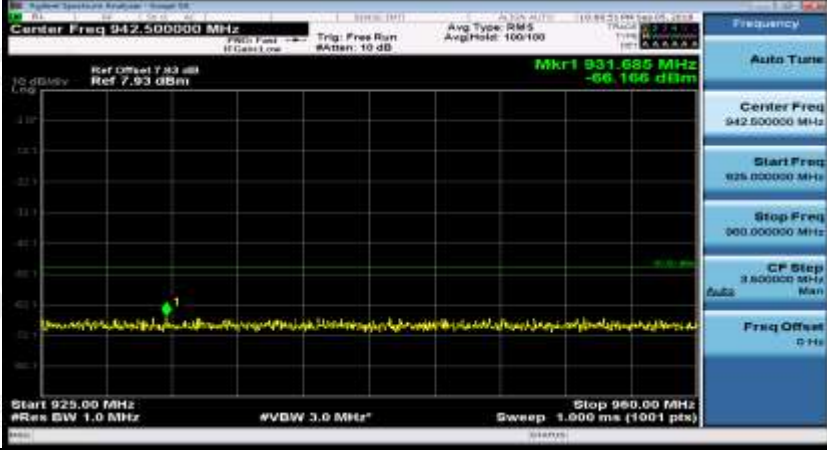
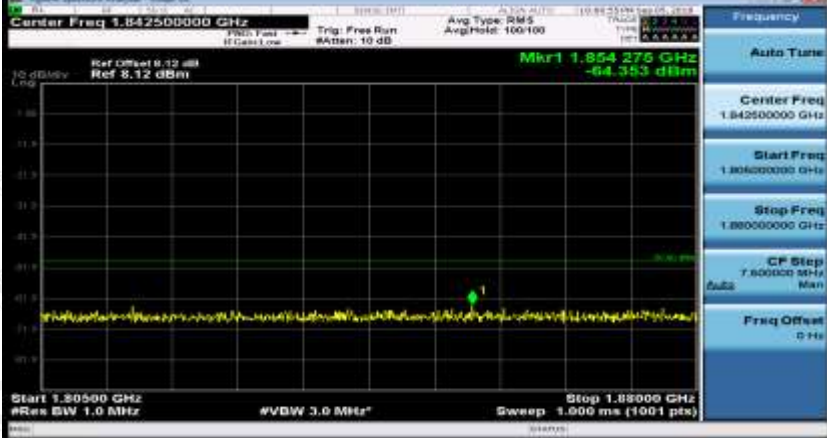
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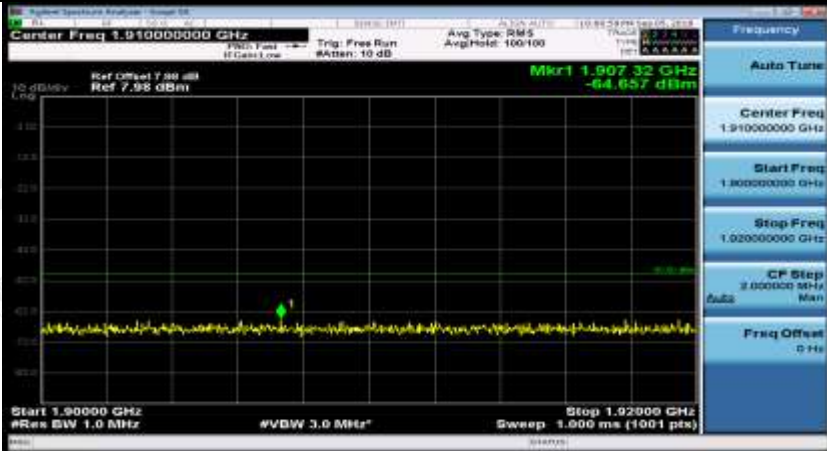
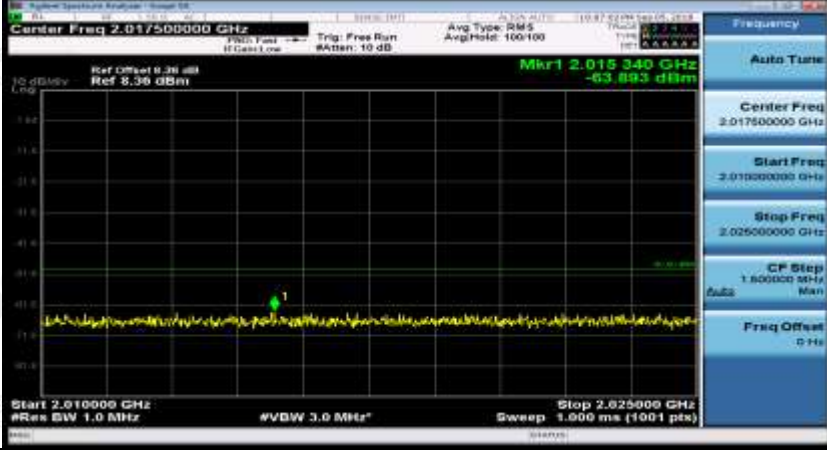
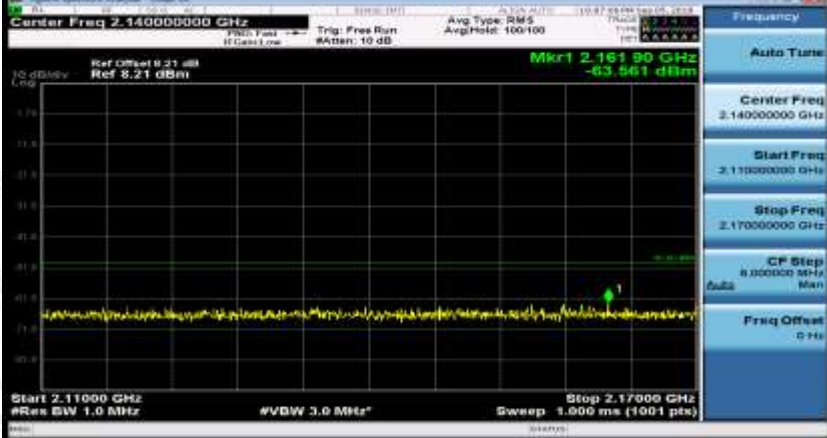
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General	
General	
General	

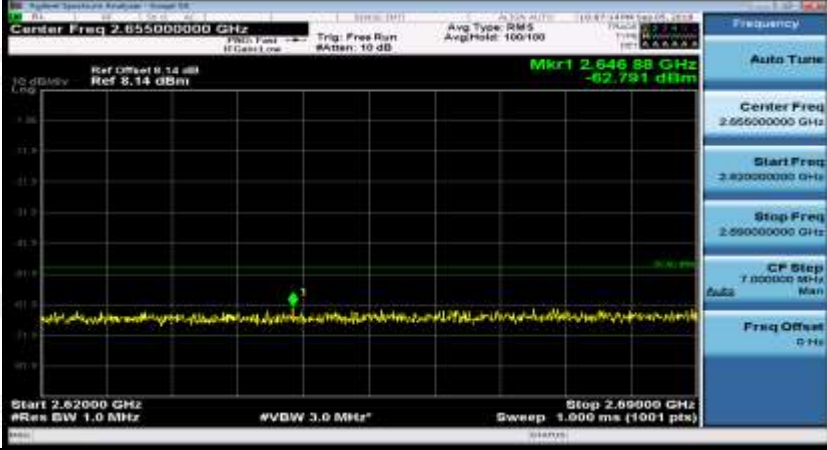
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Co-existence	
Co-existence	
Co-existence	

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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_FullIRB#0	
General	
General	

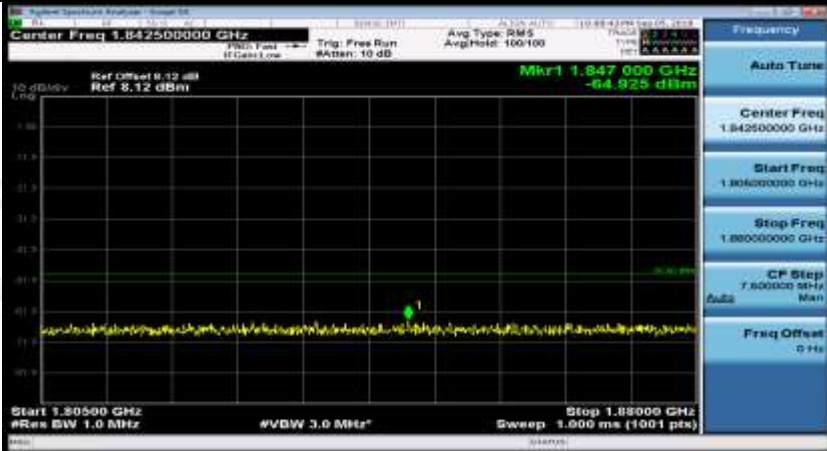
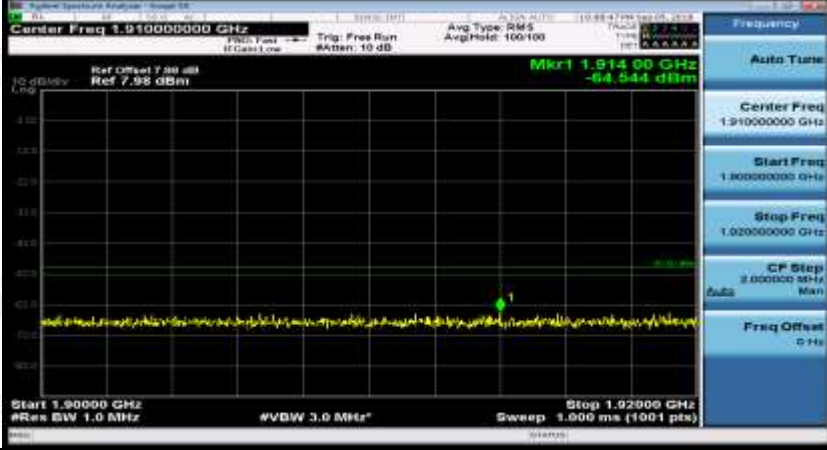
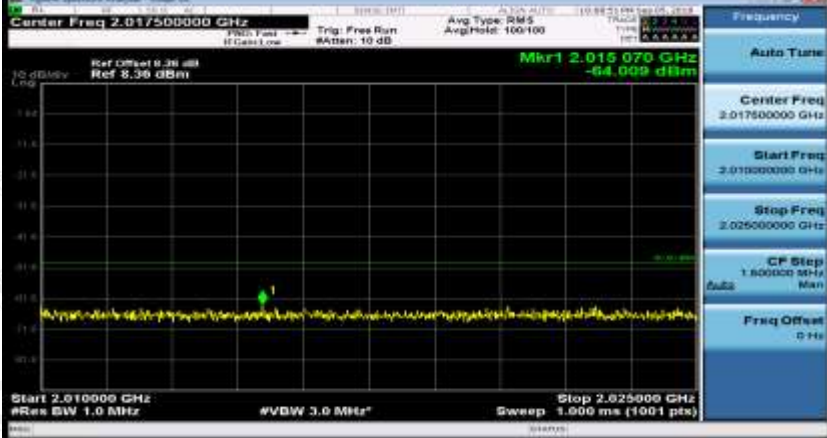
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General		
General		
General		

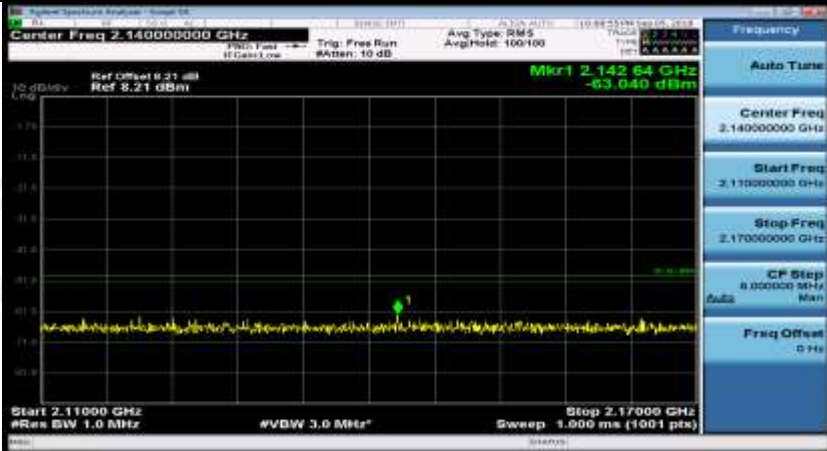
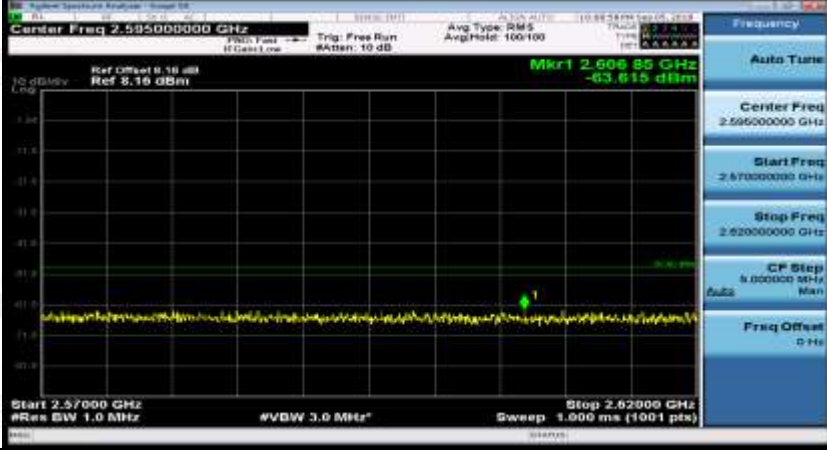
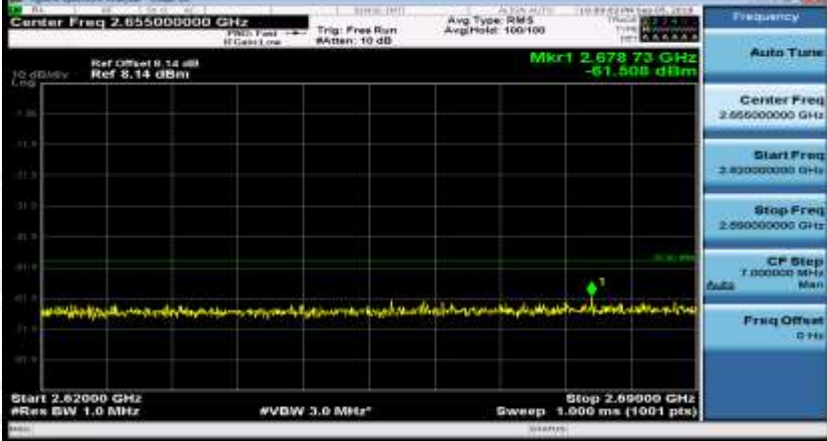
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General		
Co-existence		
Co-existence		

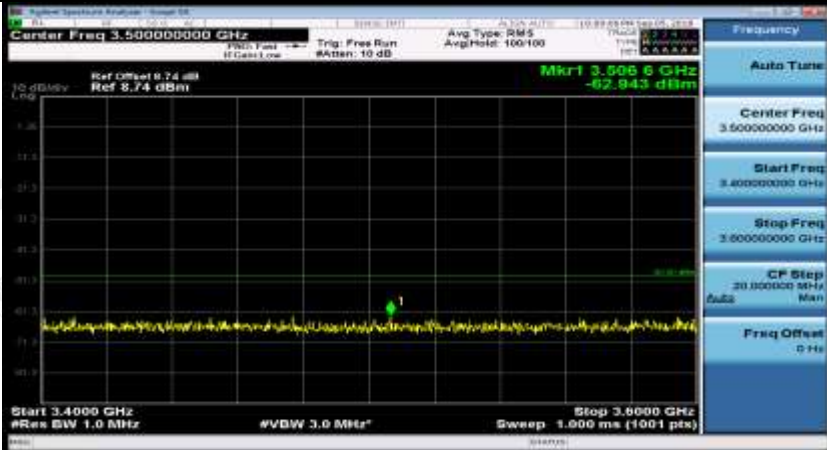
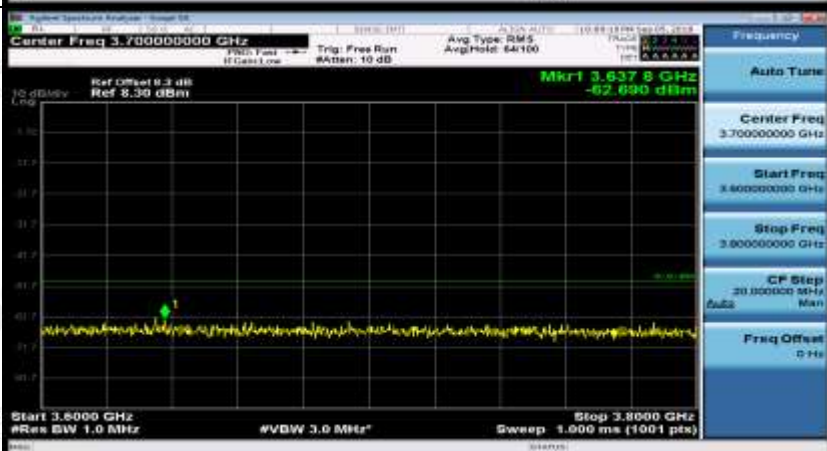
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Co-existence	
Co-existence	
Co-existence	

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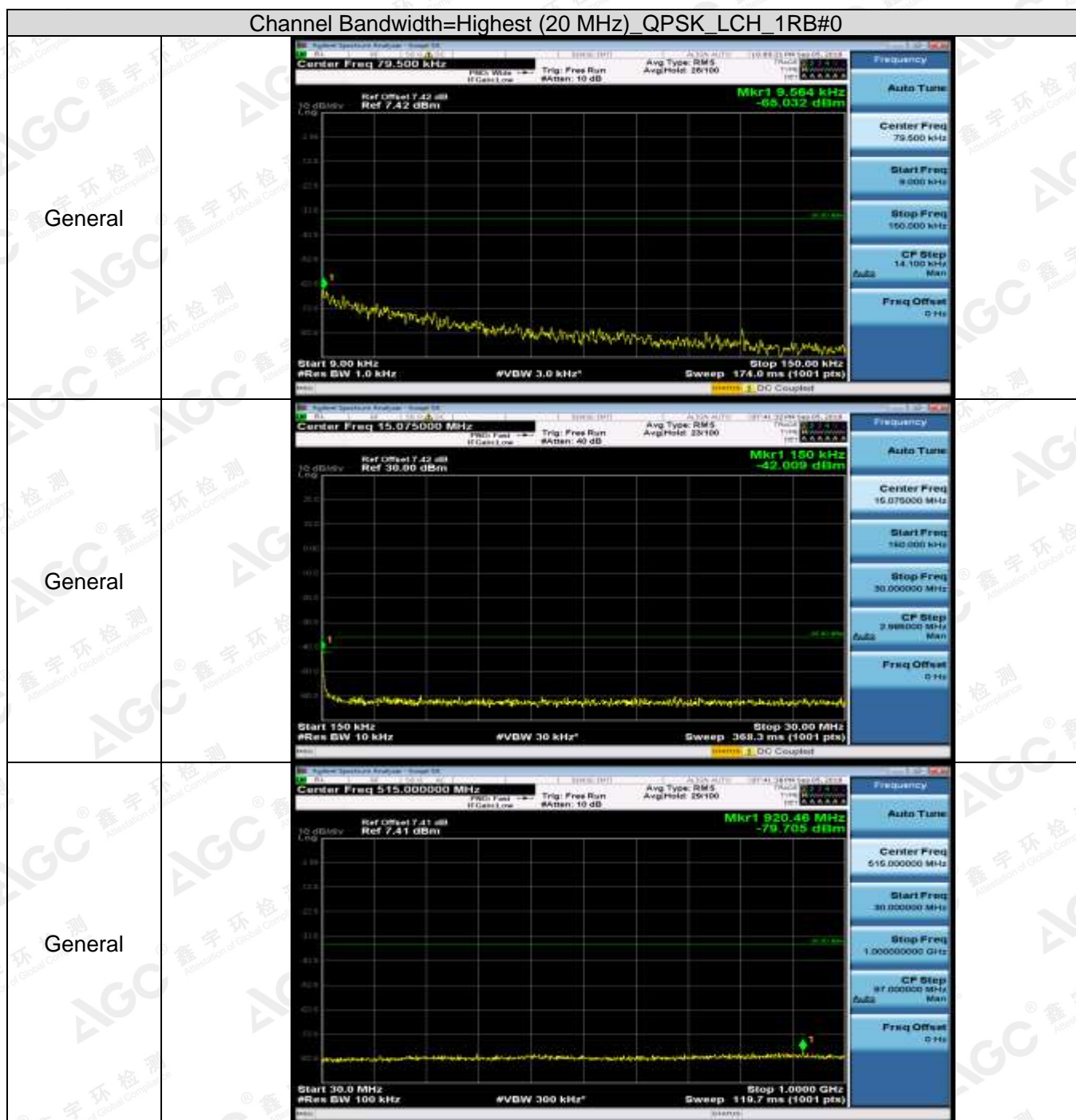
Co-existence	
Co-existence	
Co-existence	

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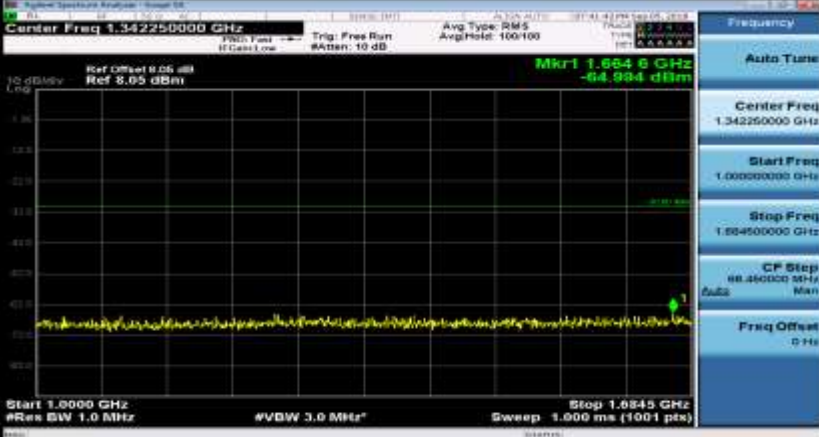


Co-existence	
Co-existence	
Additional	NA

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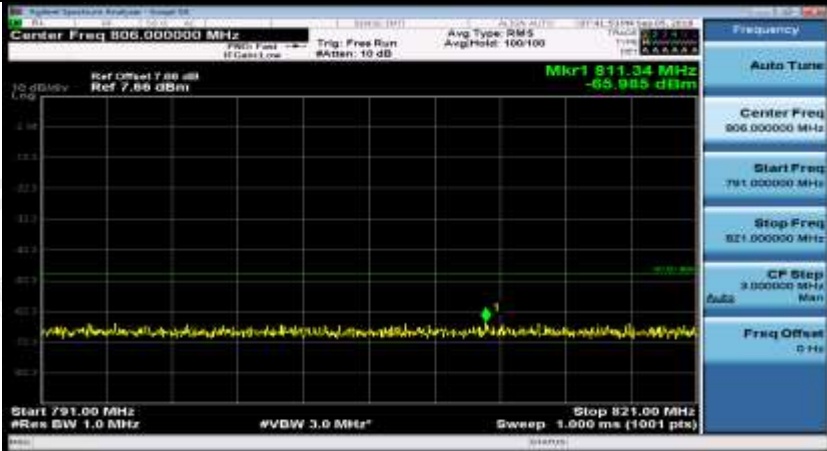
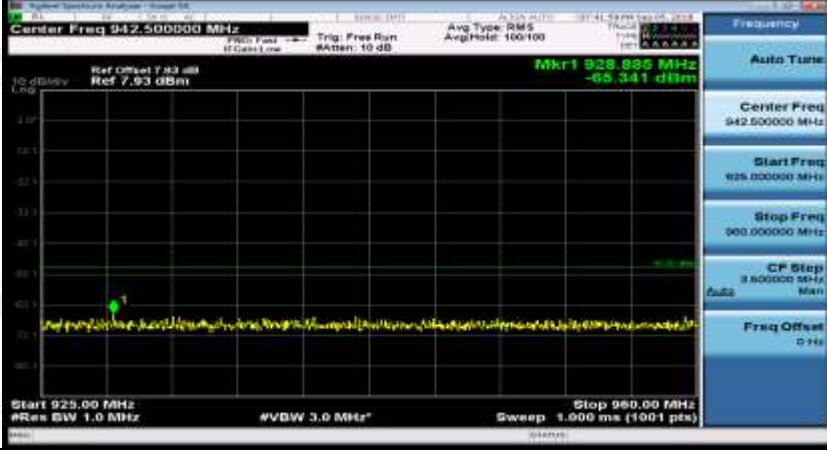
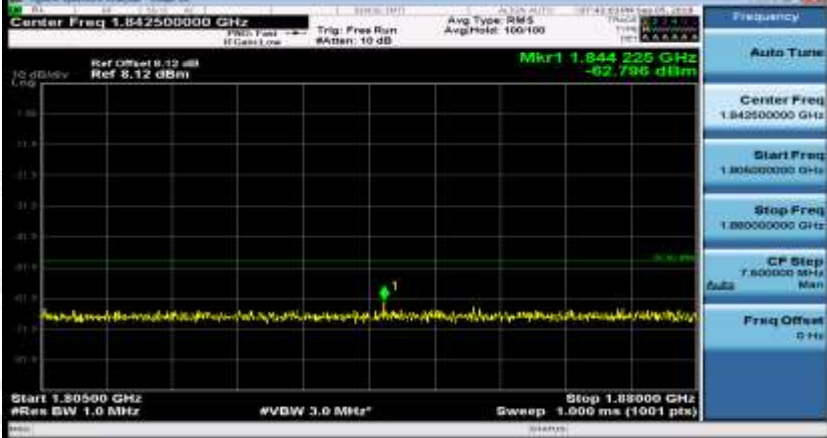
Channel Bandwidth= (20 MHz)



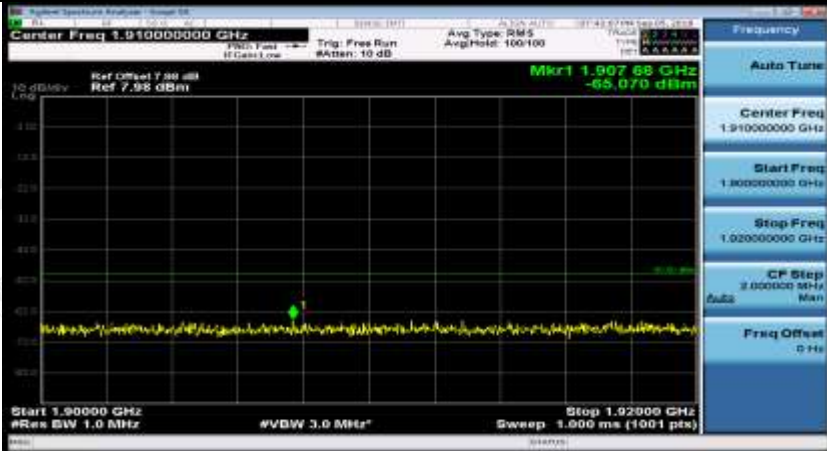
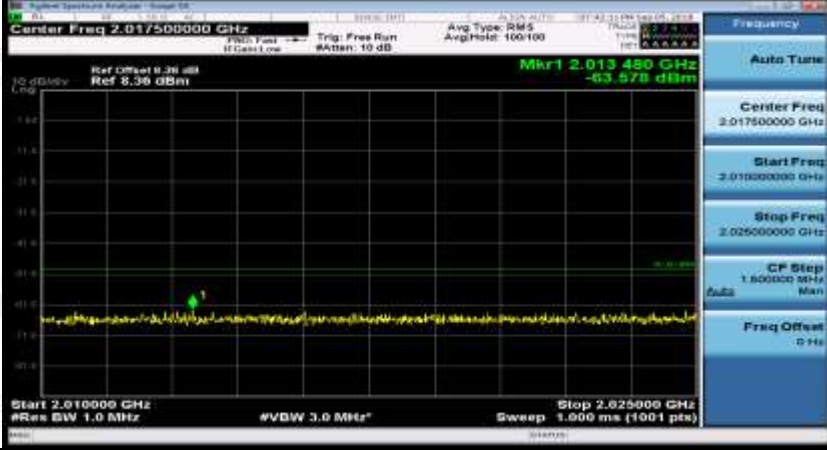
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General			
General			
General			

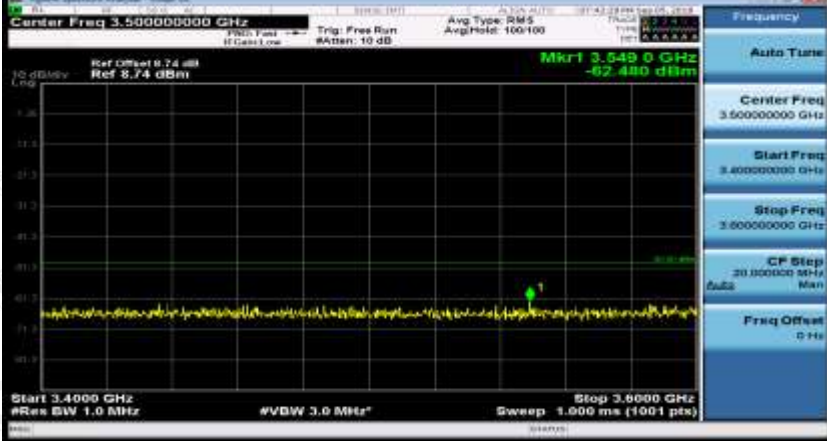
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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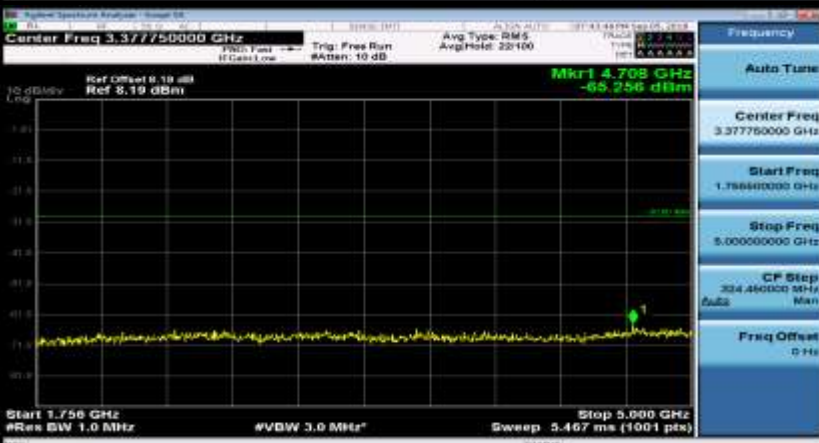
Co-existence	
Co-existence	
Co-existence	

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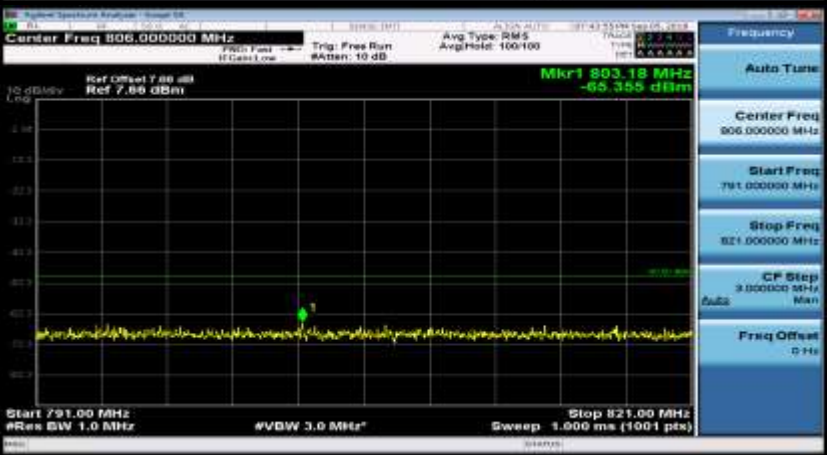
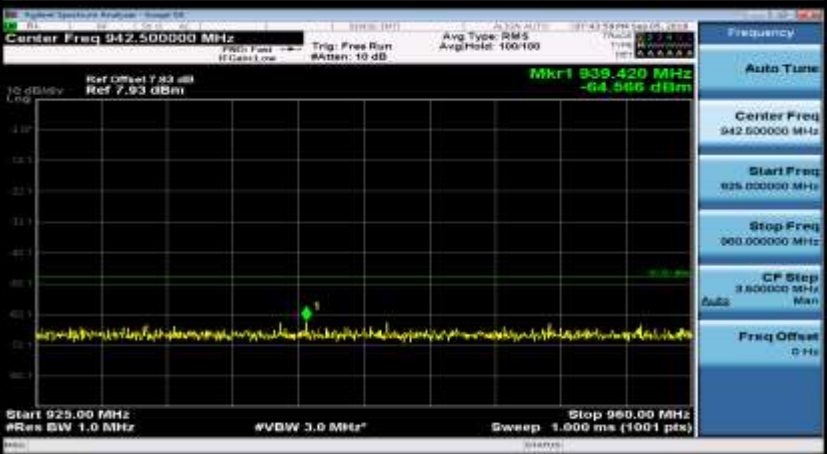
Co-existence	
Additional	NA

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

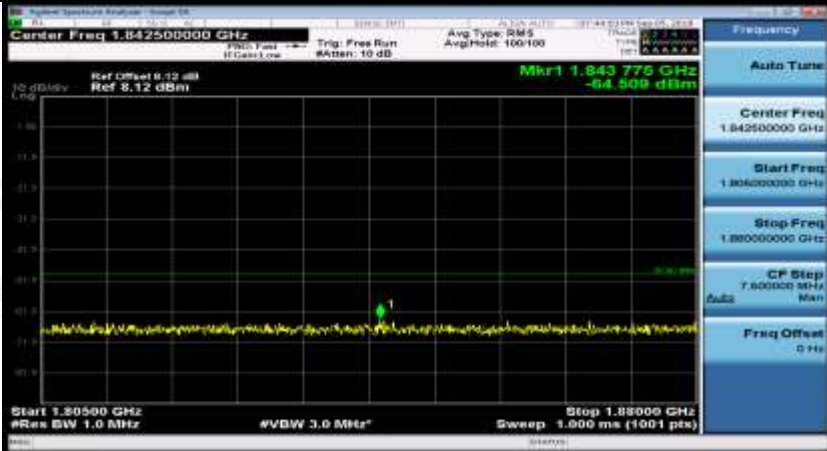
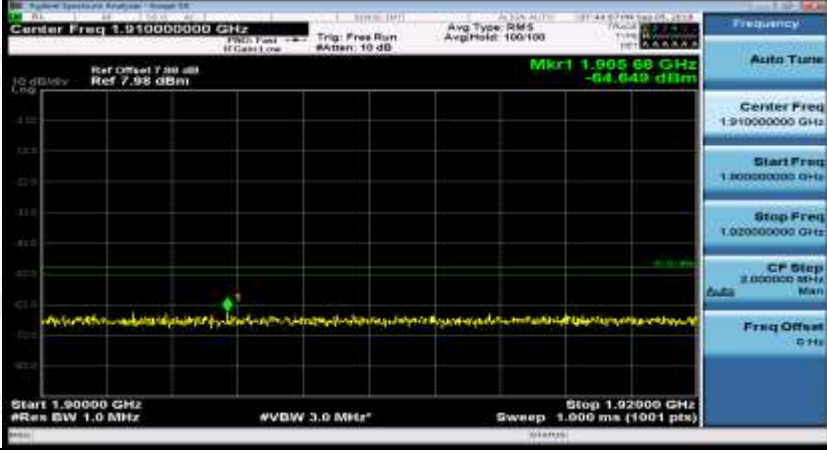
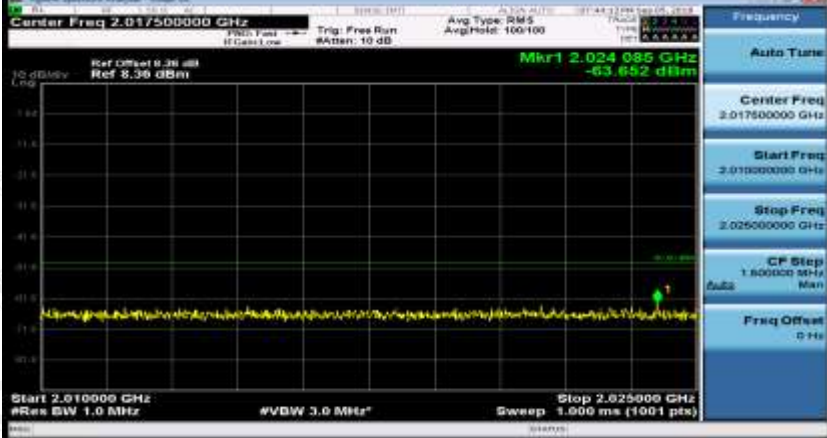
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General			
General			
General			

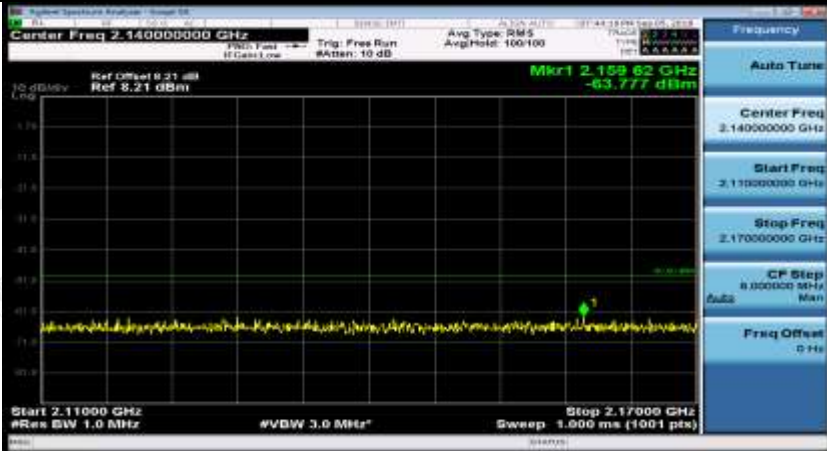
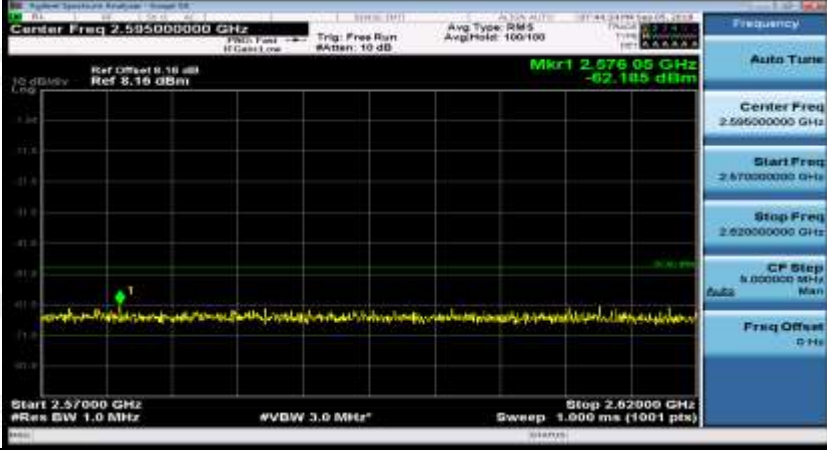
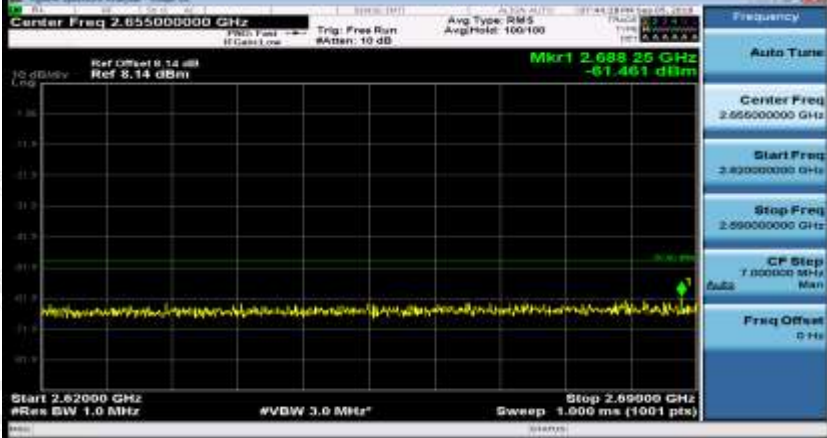
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General		
Co-existence		
Co-existence		

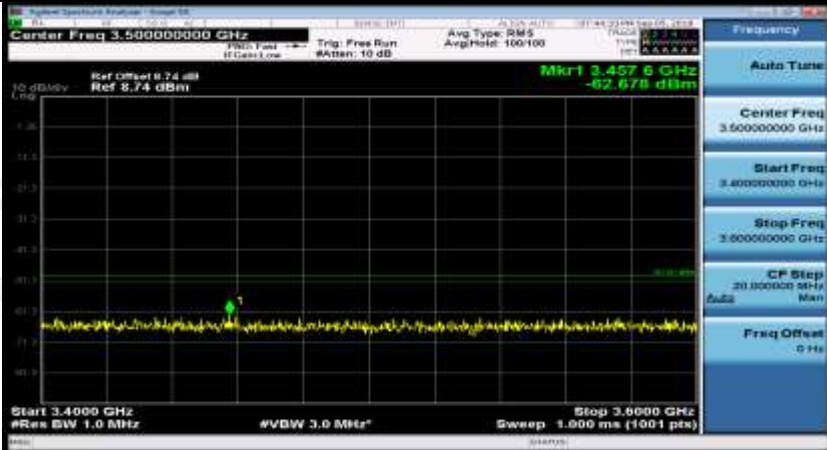

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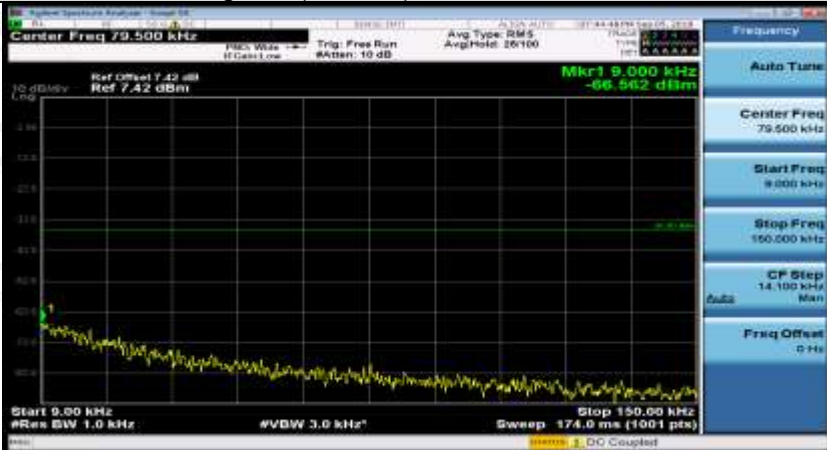
Co-existence	
Co-existence	
Co-existence	

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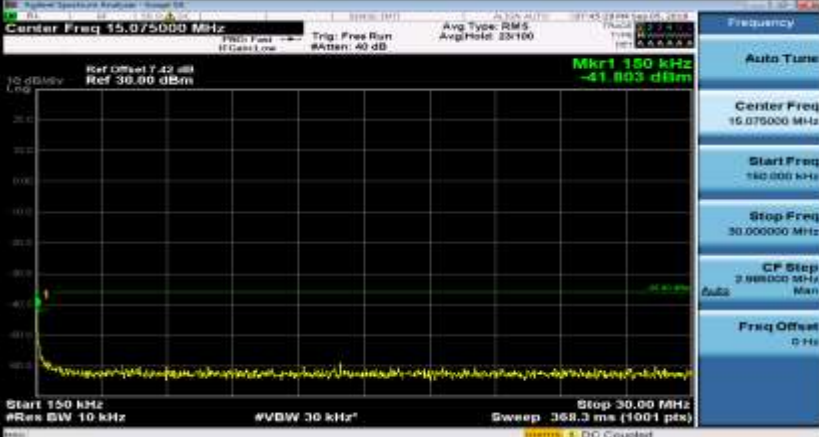
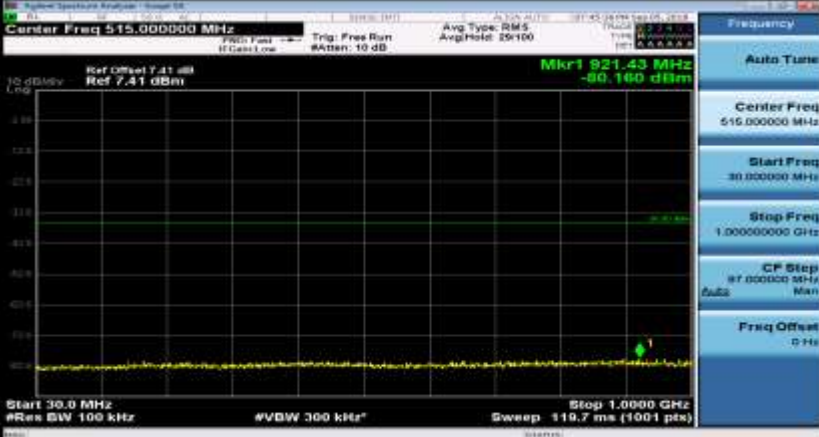
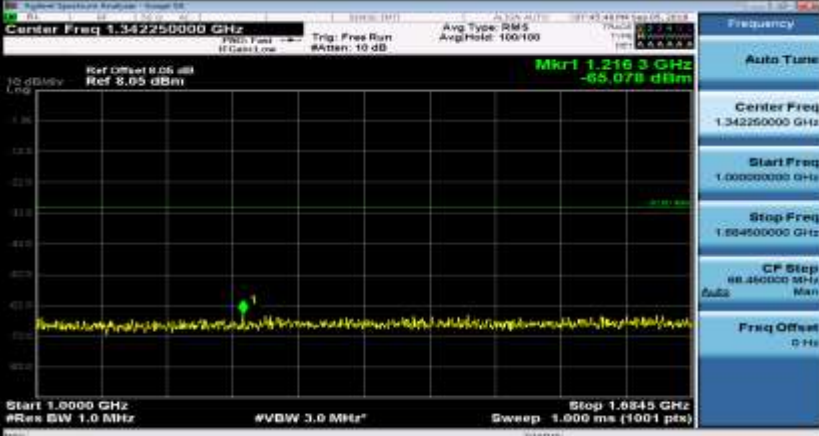
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Additional	NA	

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

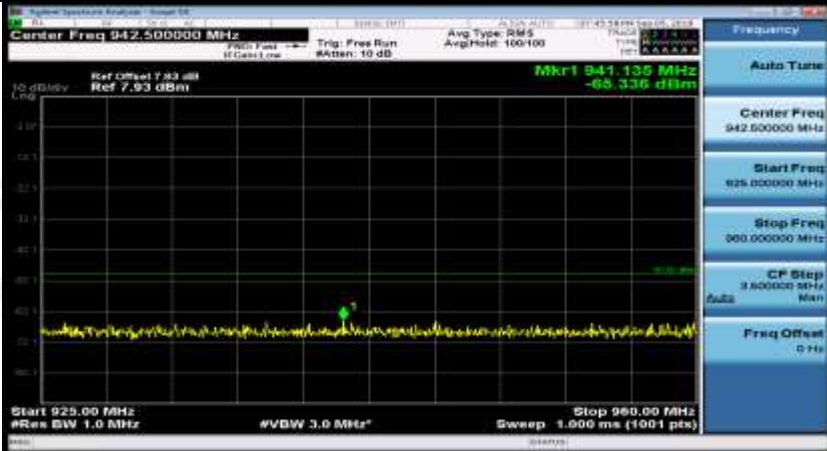
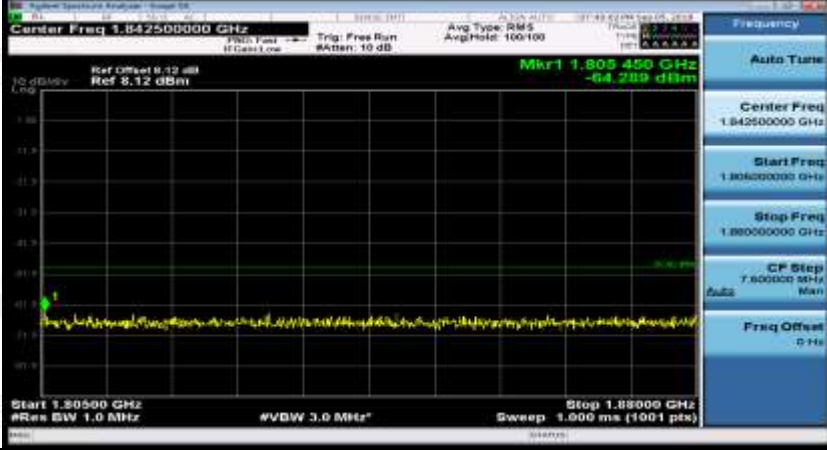
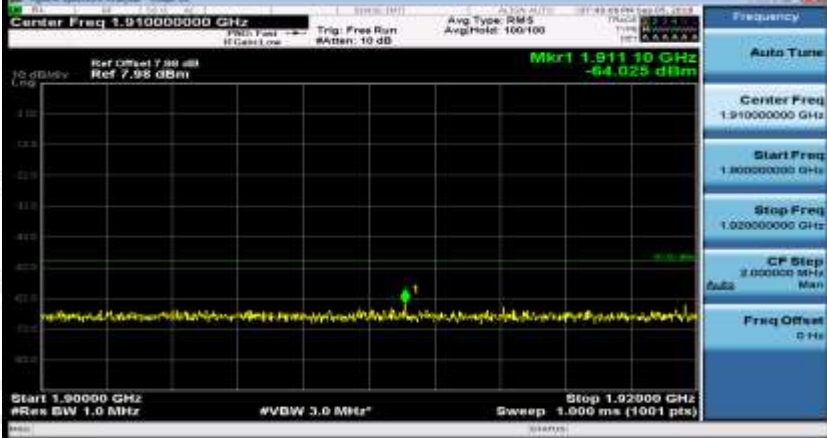
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General			
General			
General			

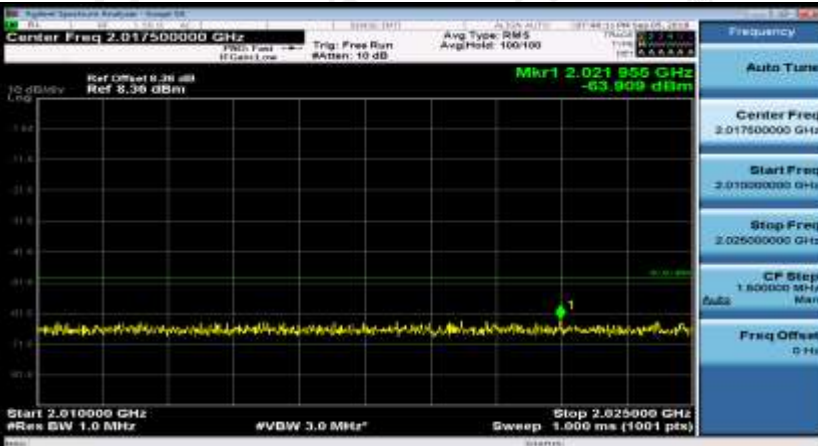
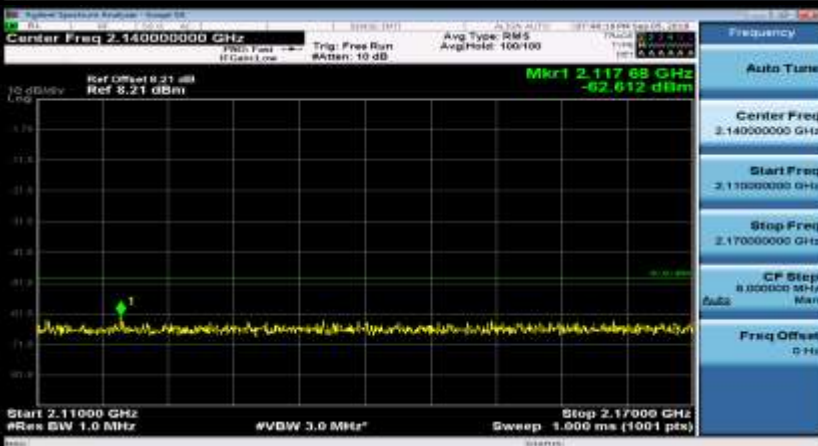

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General			
General			
Co-existence			

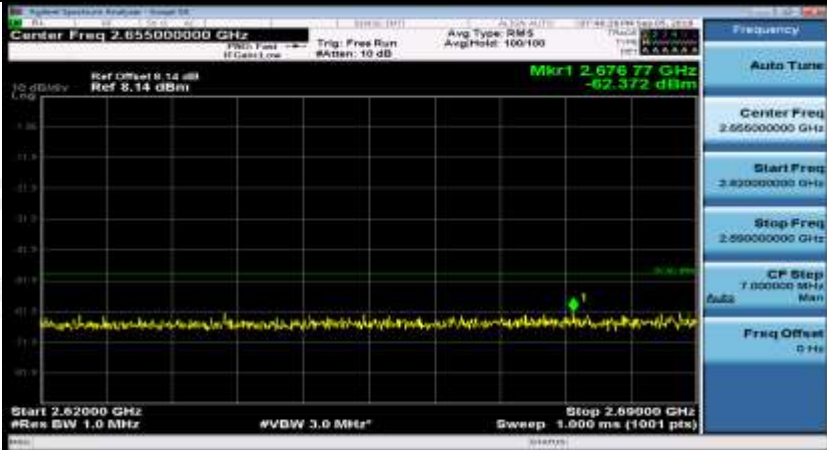
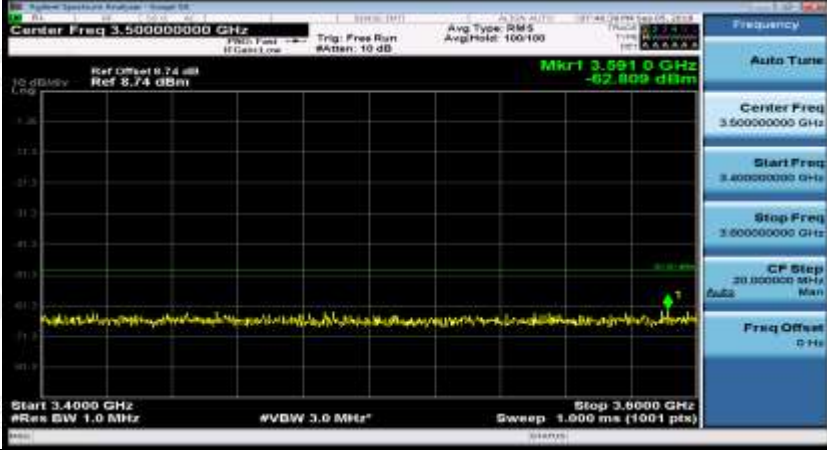
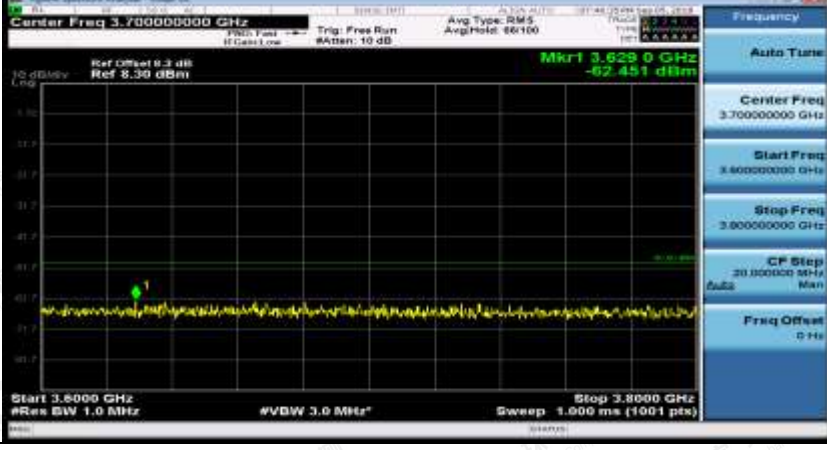
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Co-existence	
Co-existence	
Co-existence	

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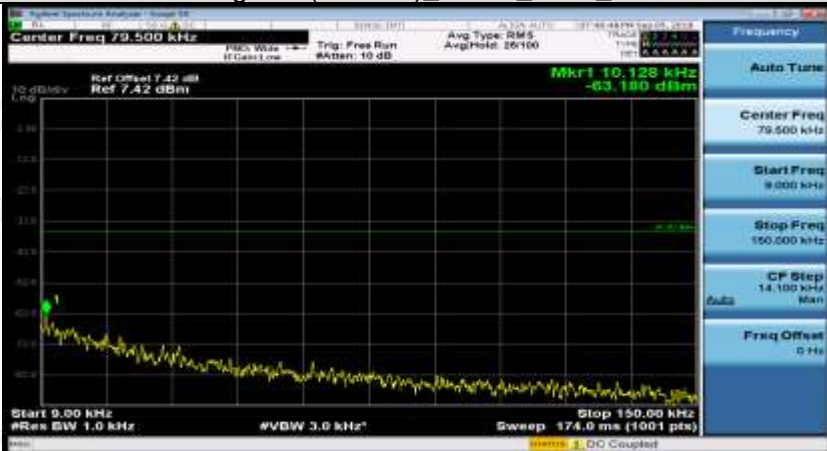
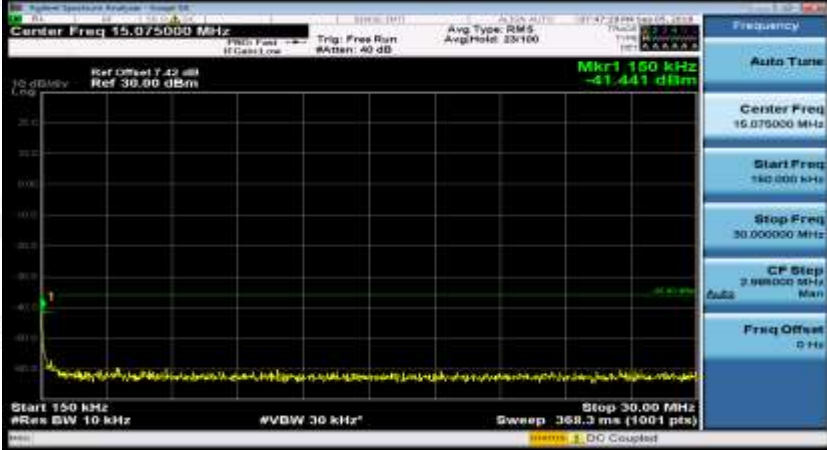
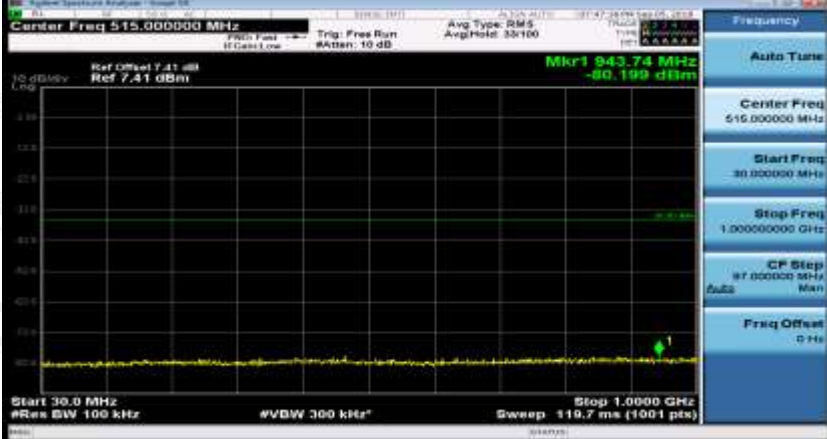
Co-existence			
Co-existence			
Co-existence			

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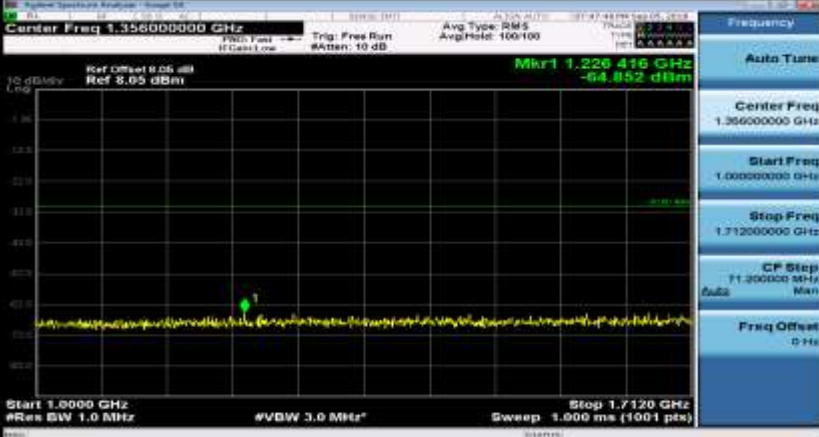


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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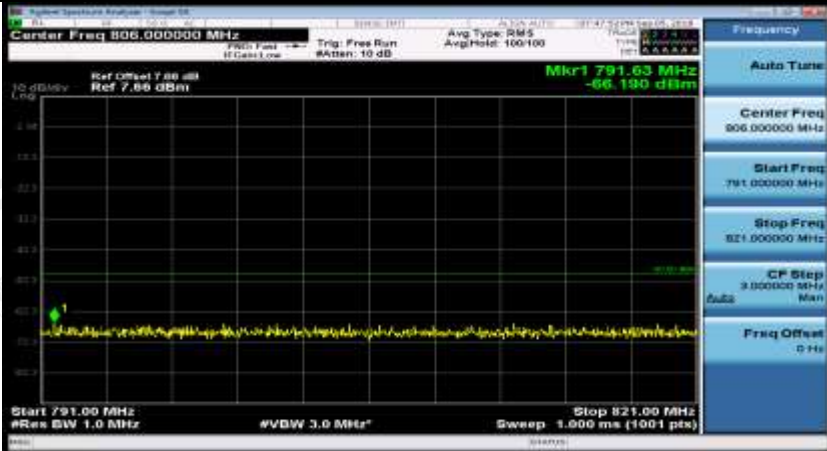
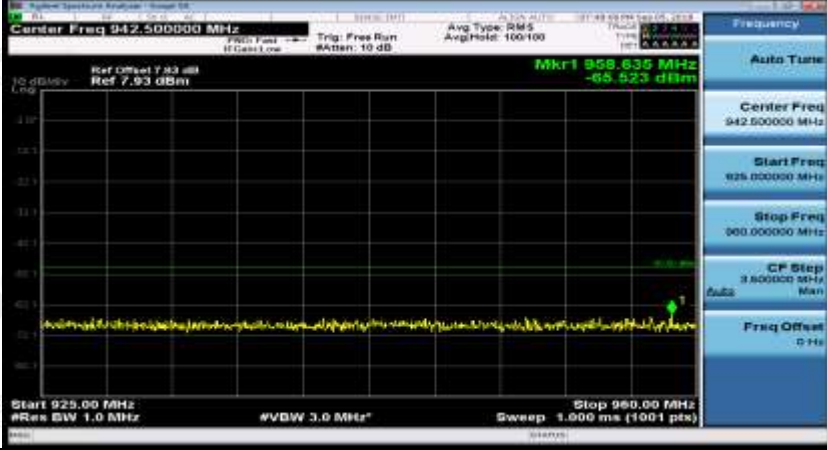
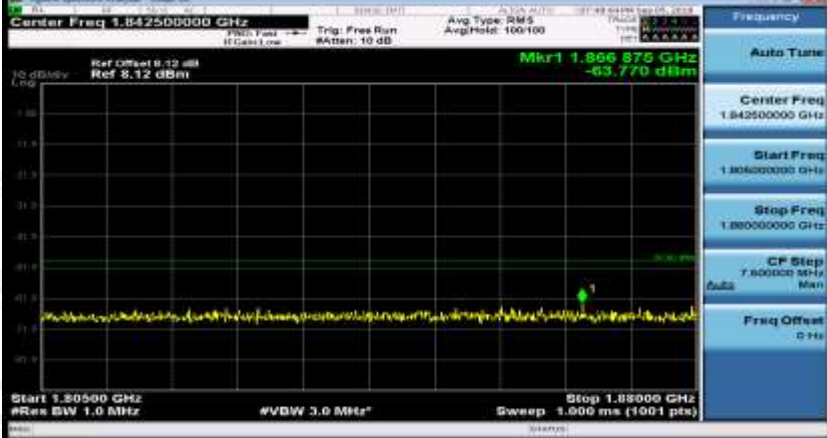
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

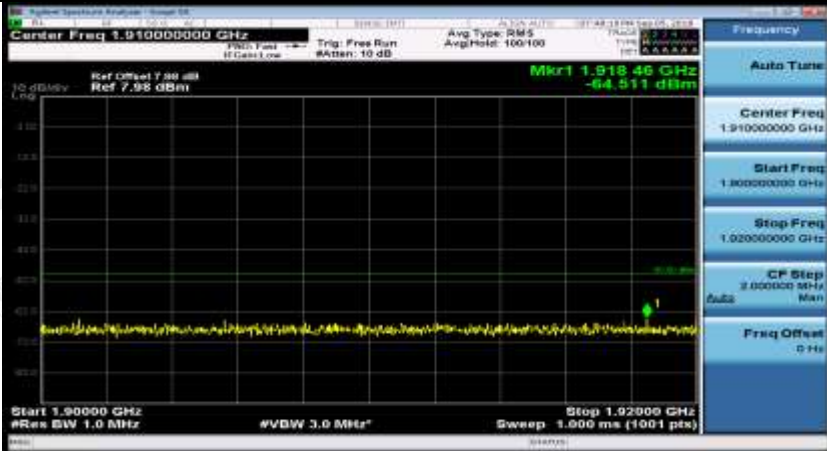
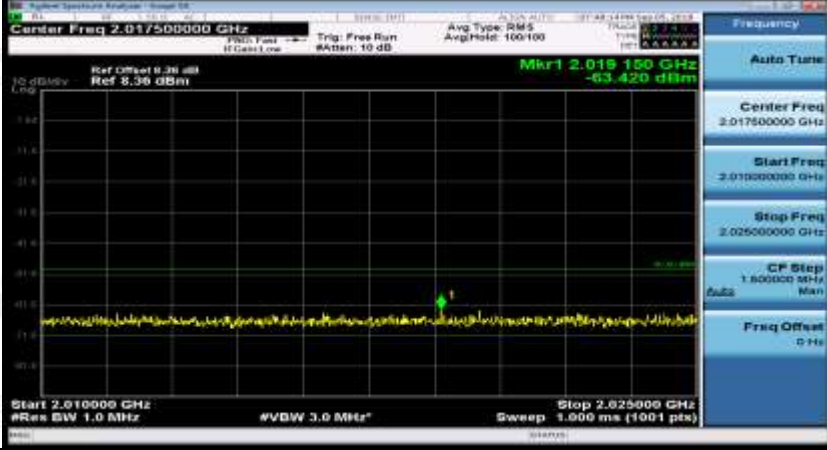
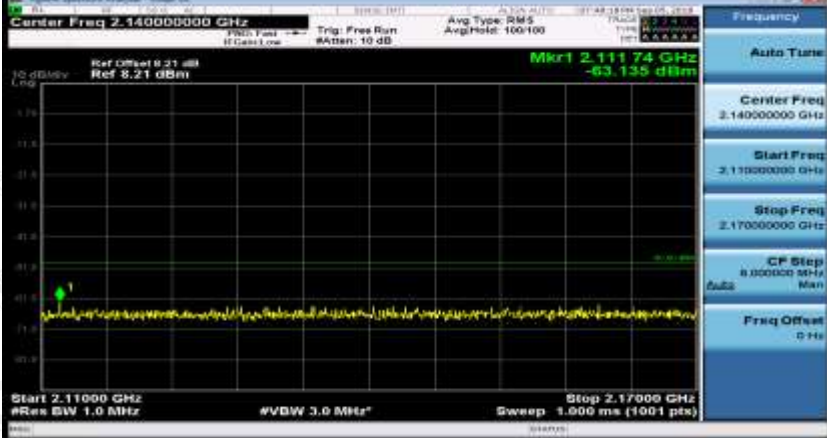
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General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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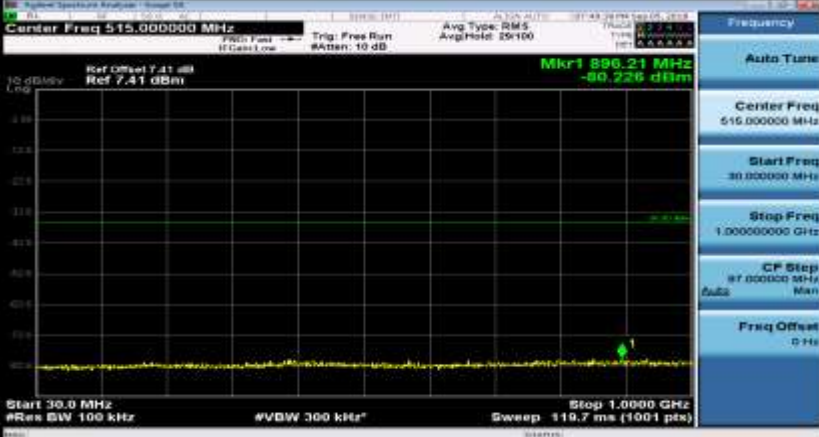
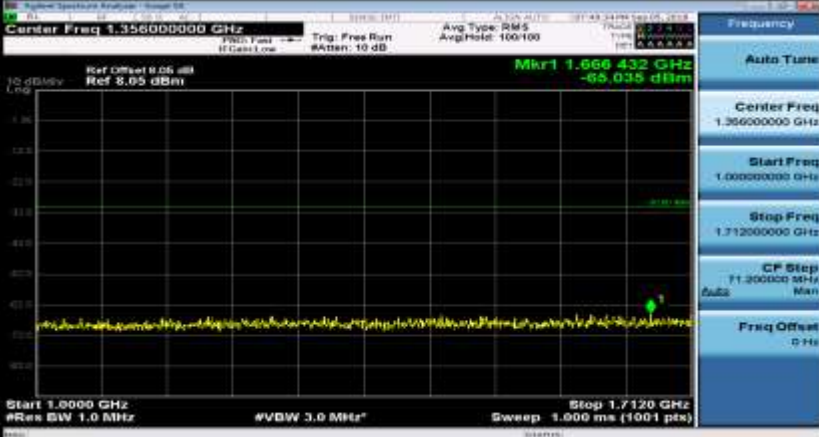

Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

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

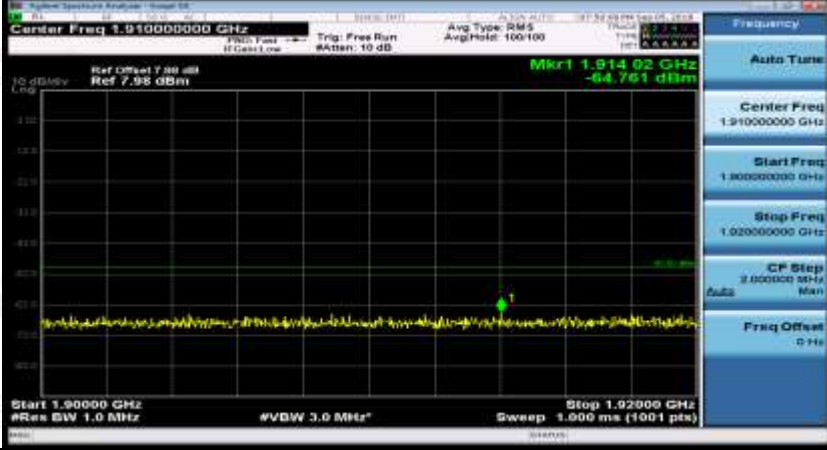
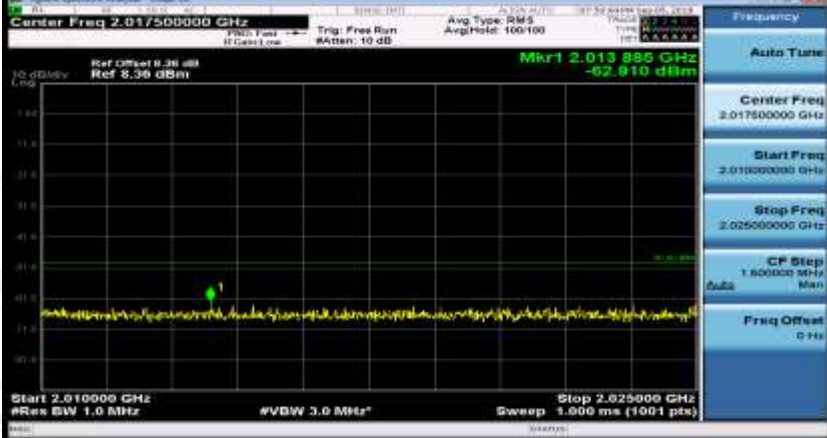
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General			
General			
General			

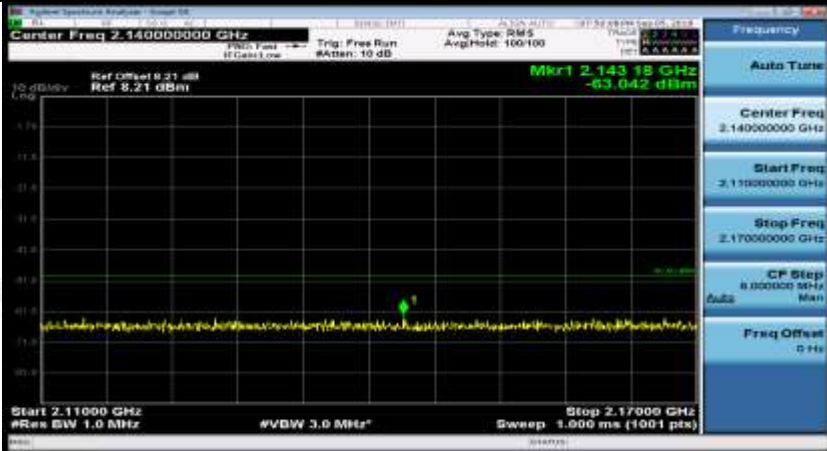

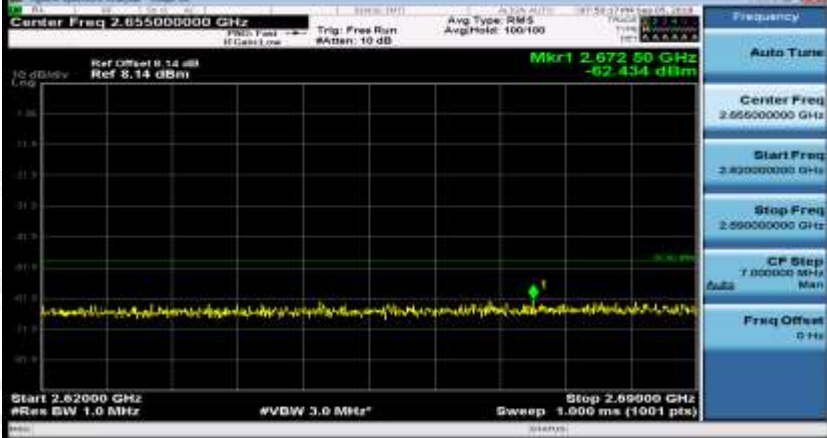
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General		
Co-existence		
Co-existence		

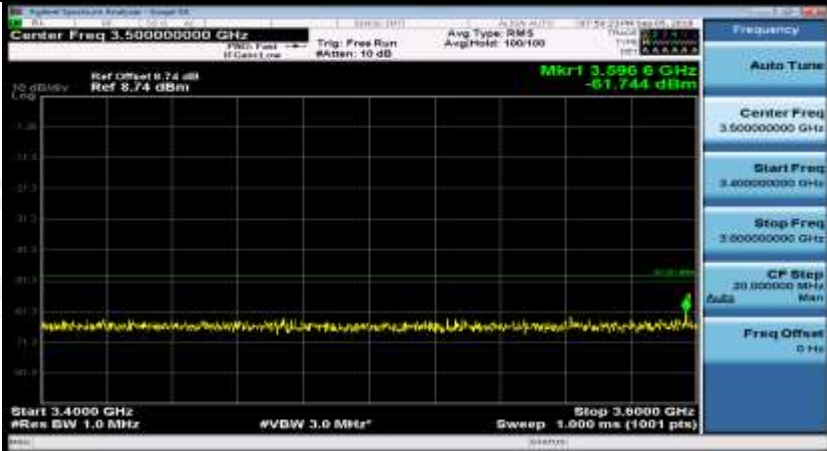

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

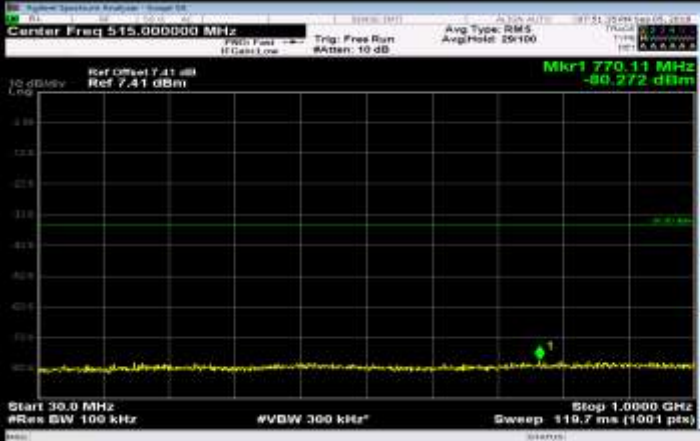
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Co-existence	
Co-existence	
Additional	NA

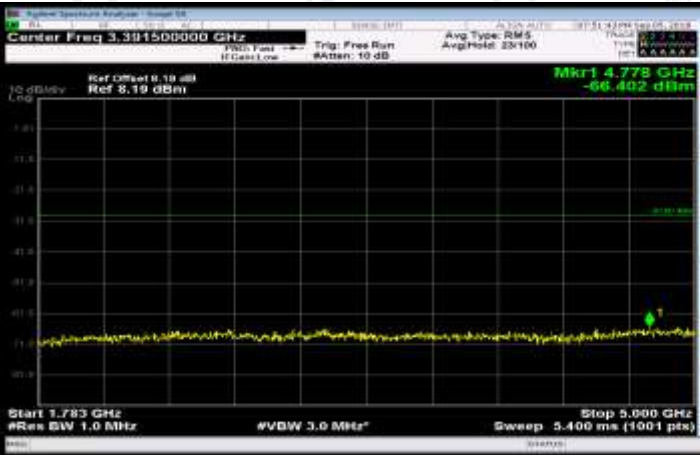

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullIRB#0

General	
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General			
General			
General			

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General		
General		
Co-existence		

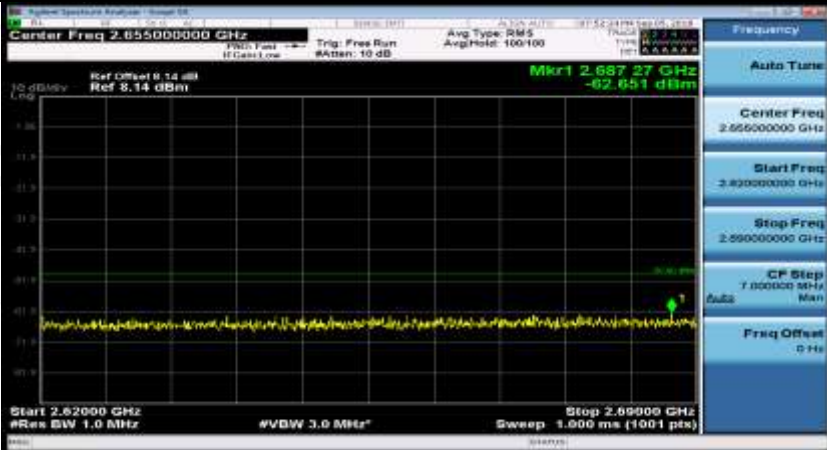
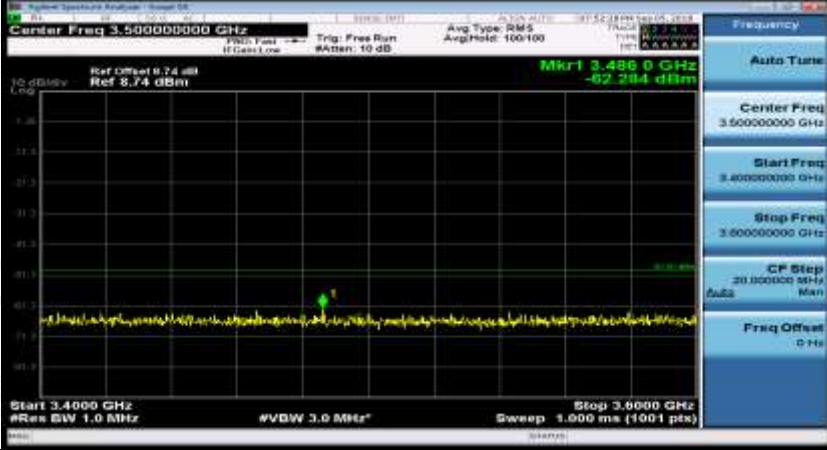

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Co-existence	
Co-existence	
Co-existence	

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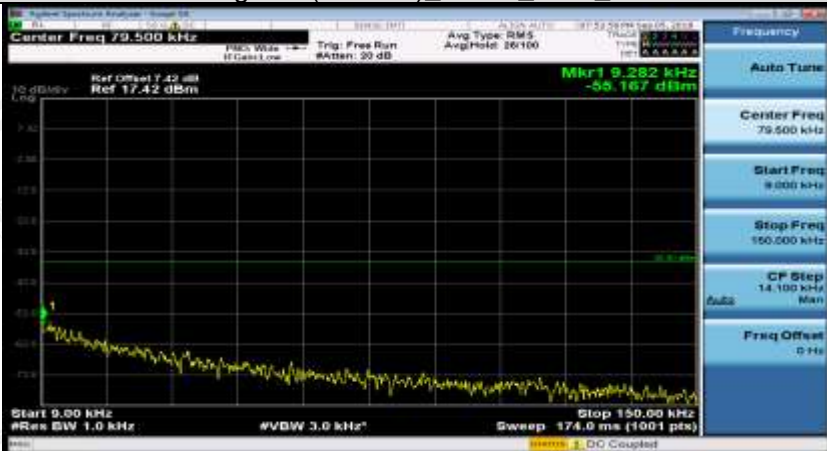
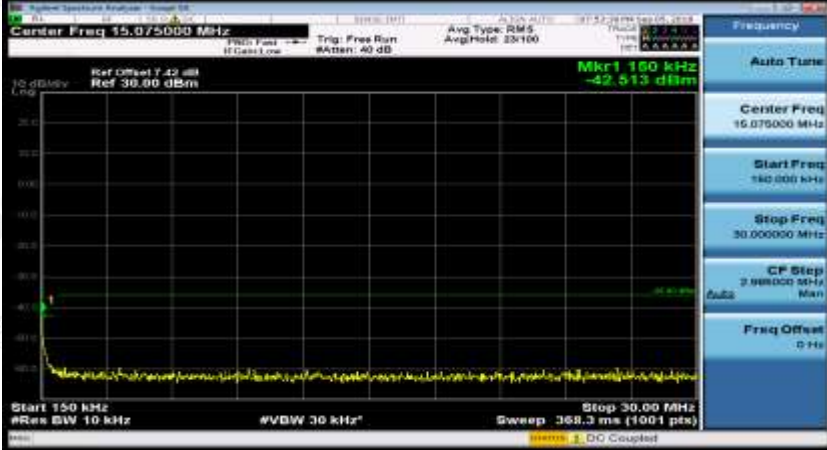
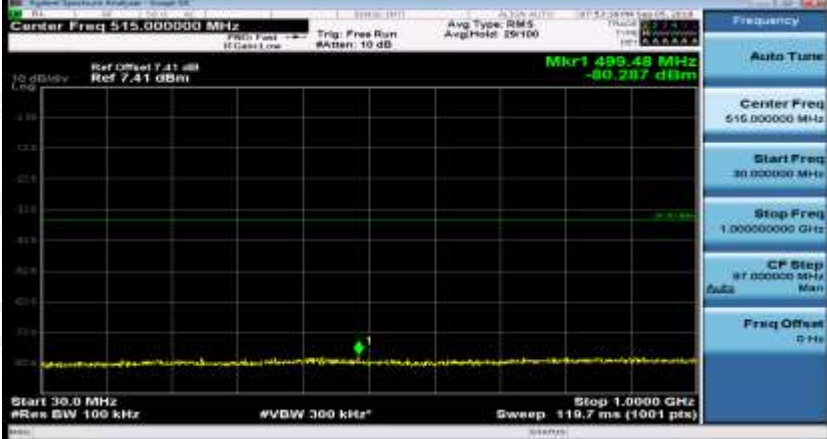
Co-existence	
Co-existence	
Co-existence	

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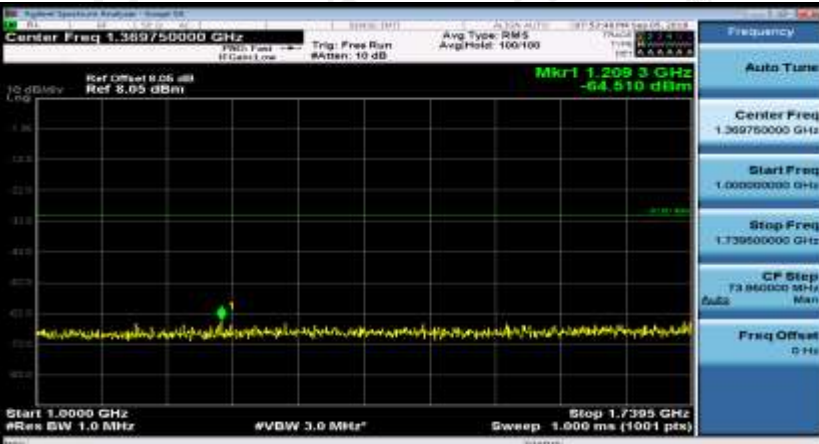
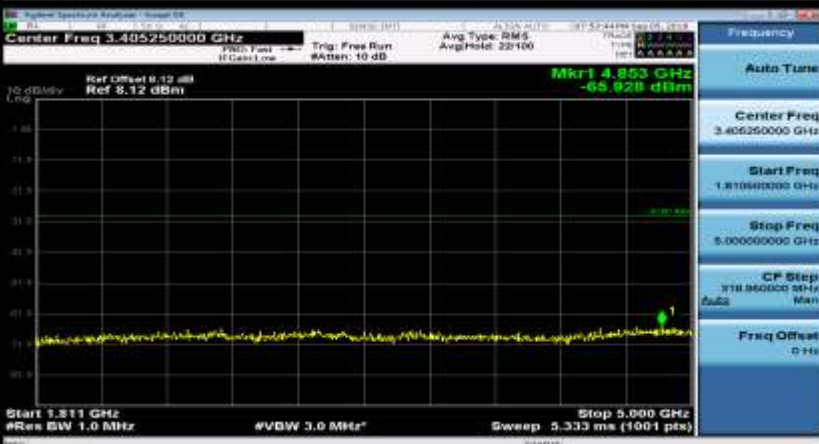
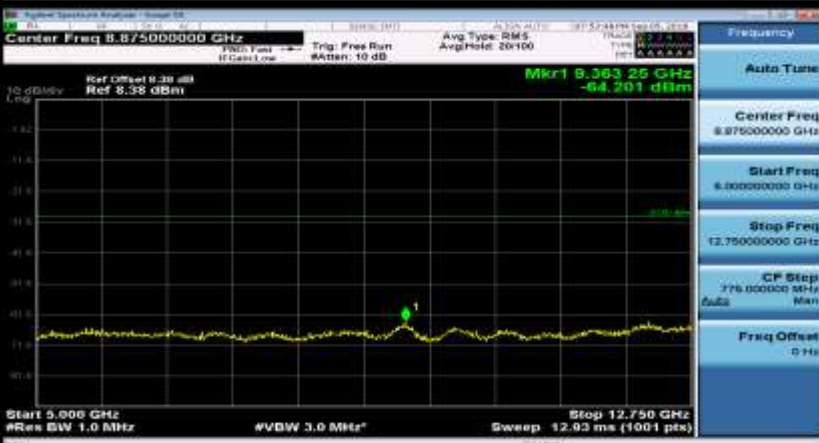
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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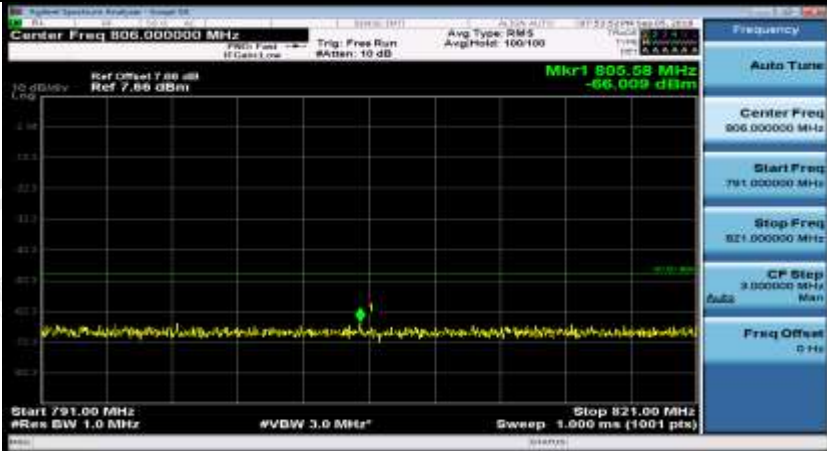
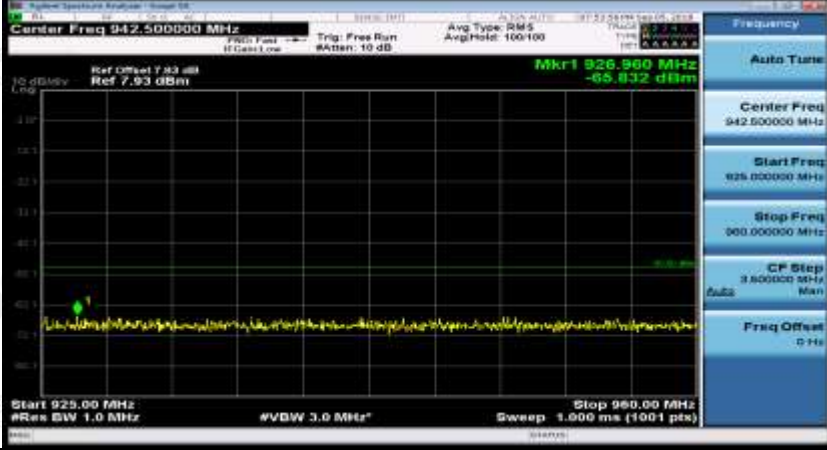
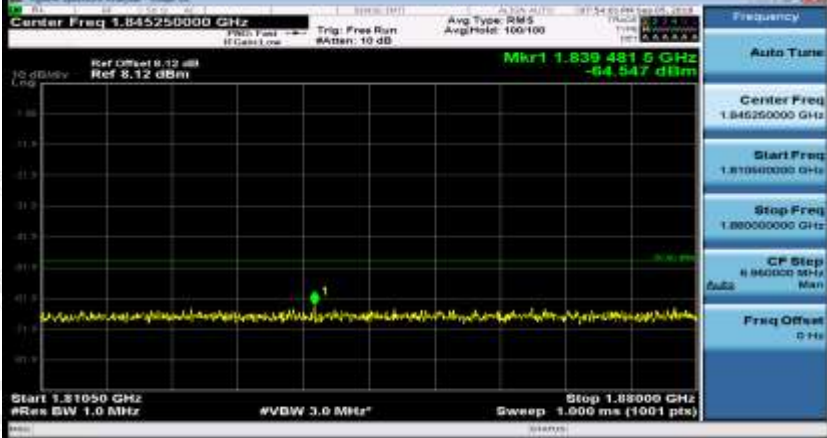
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

General	
General	
General	

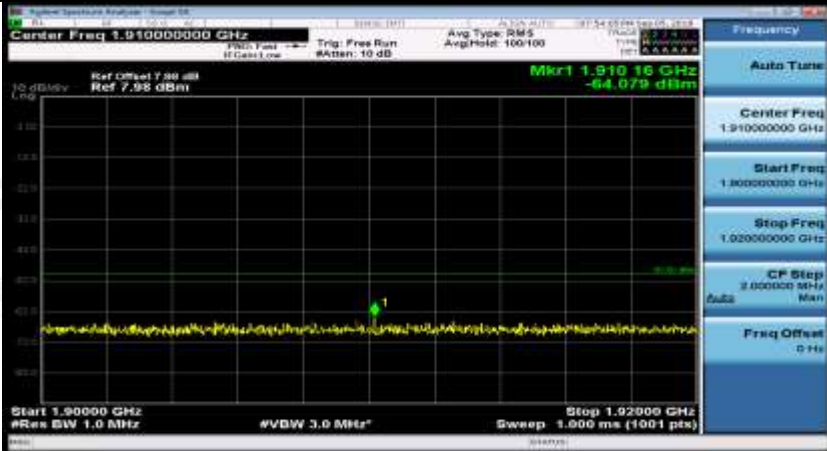
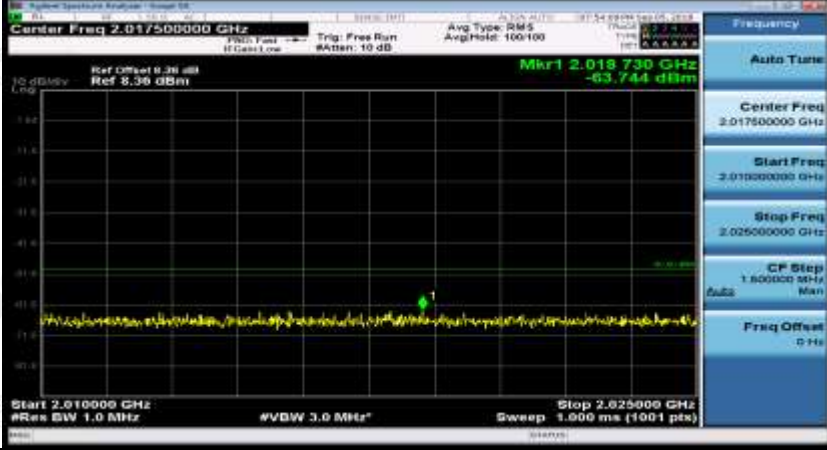
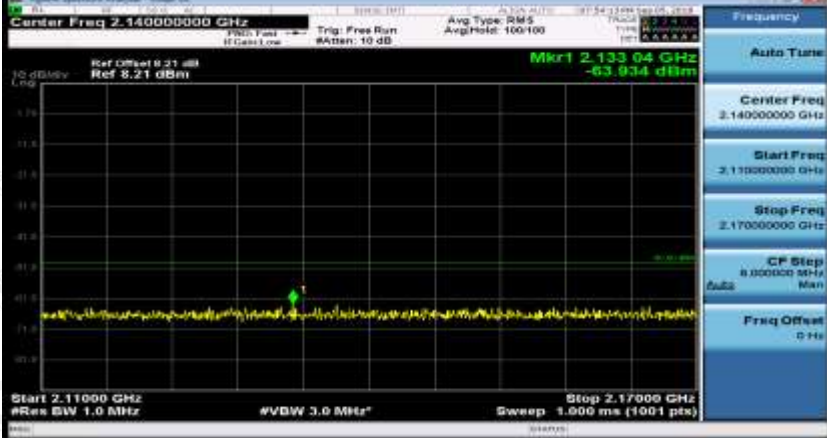
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General			
General			
General			

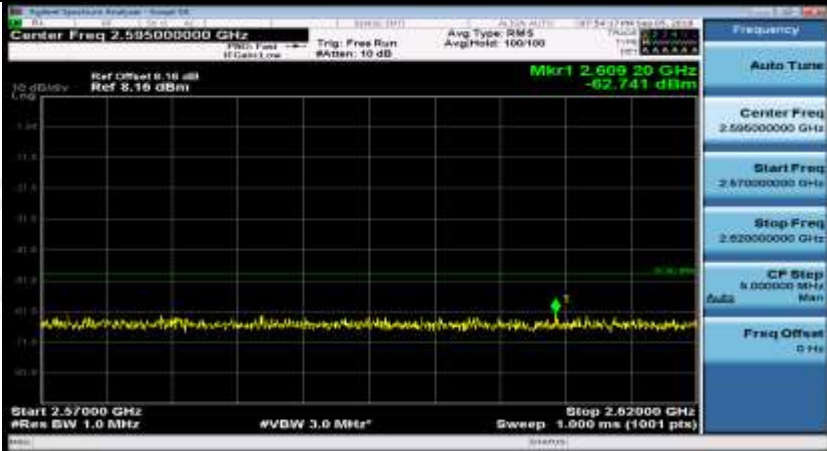
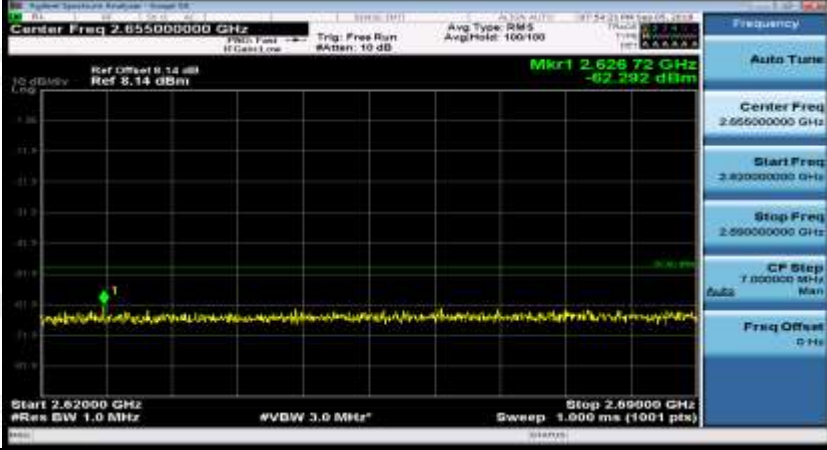
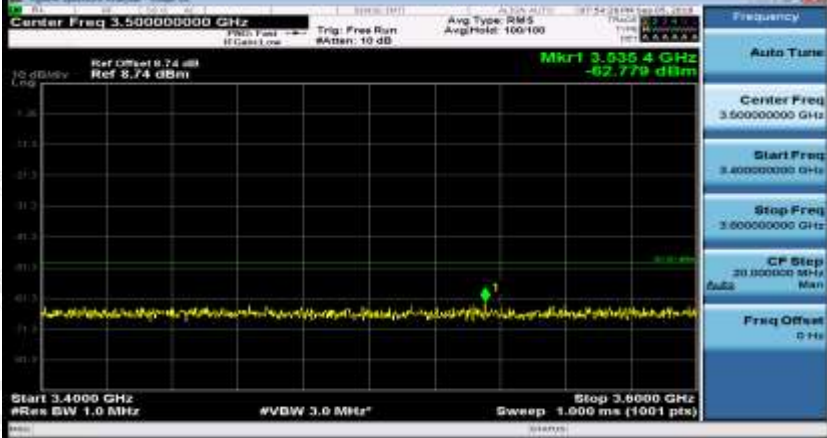
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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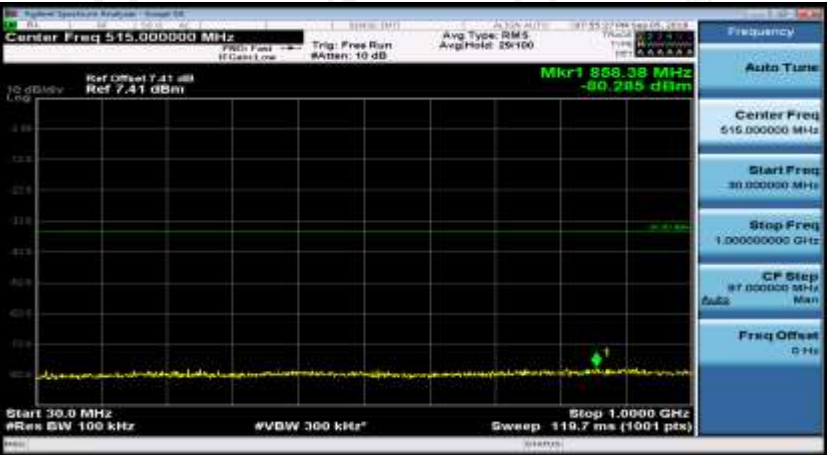
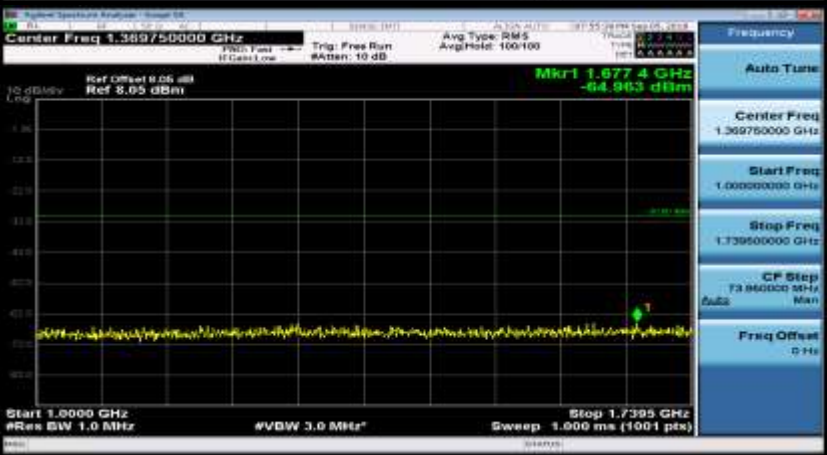

Co-existence	
Co-existence	
Co-existence	

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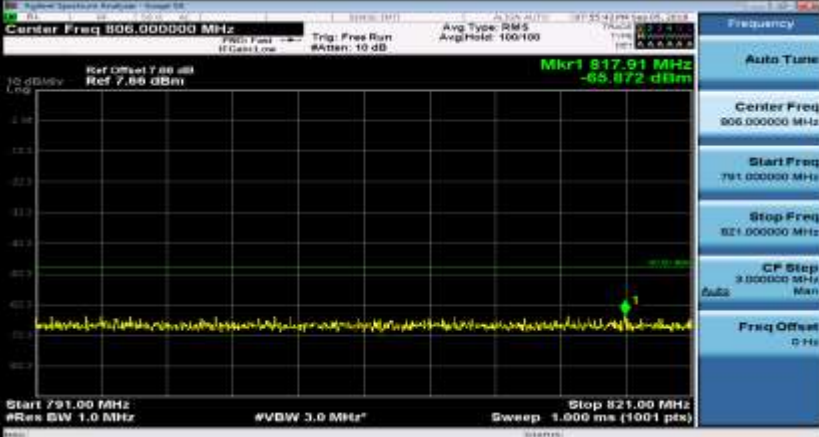
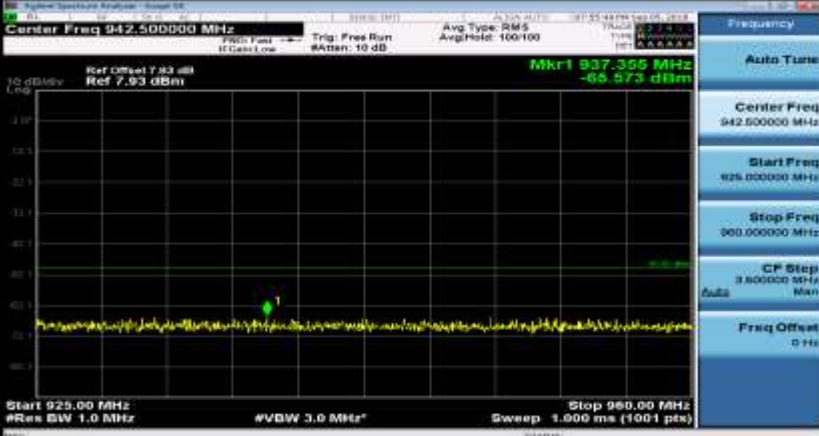
Co-existence	
Additional	NA

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

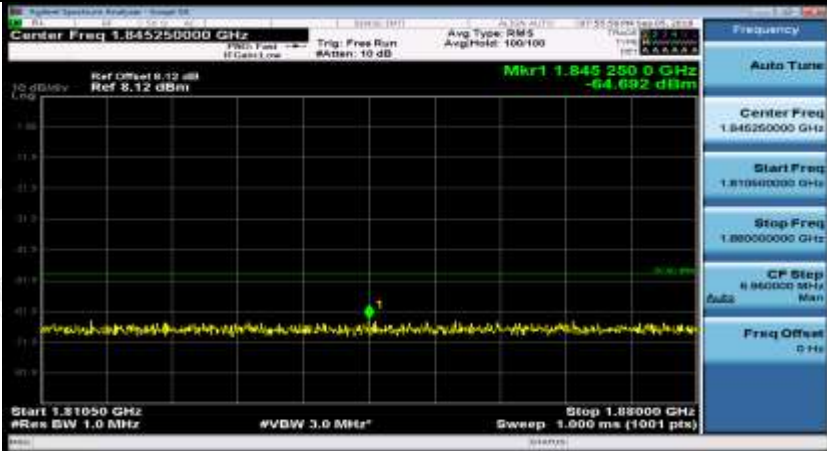
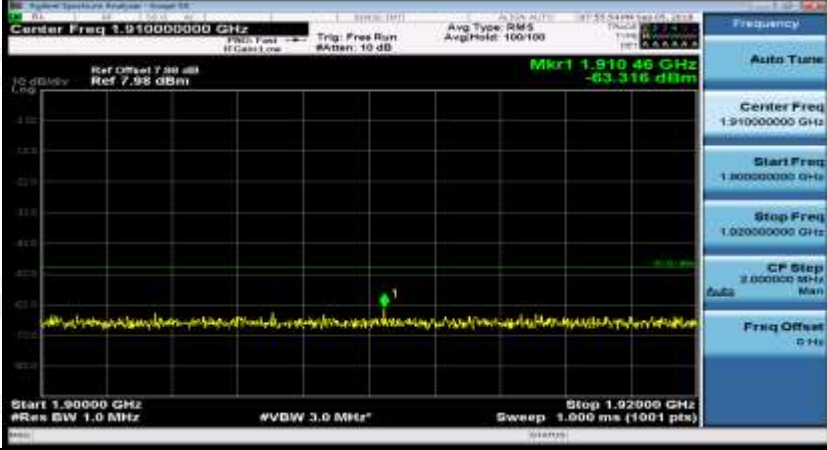
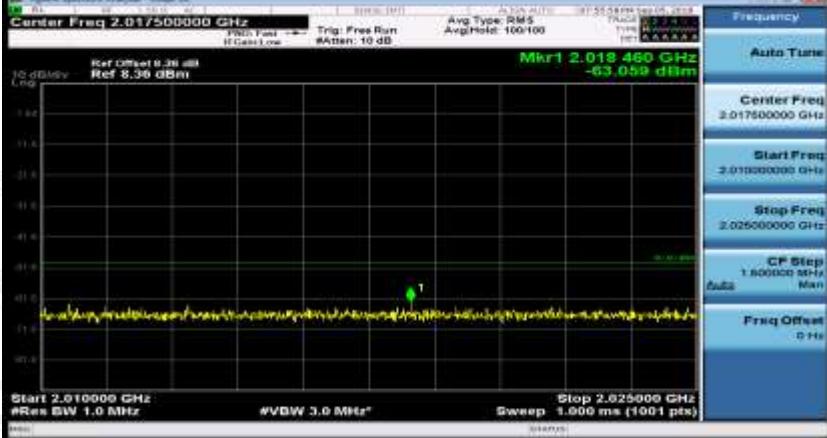
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General		
General		
General		

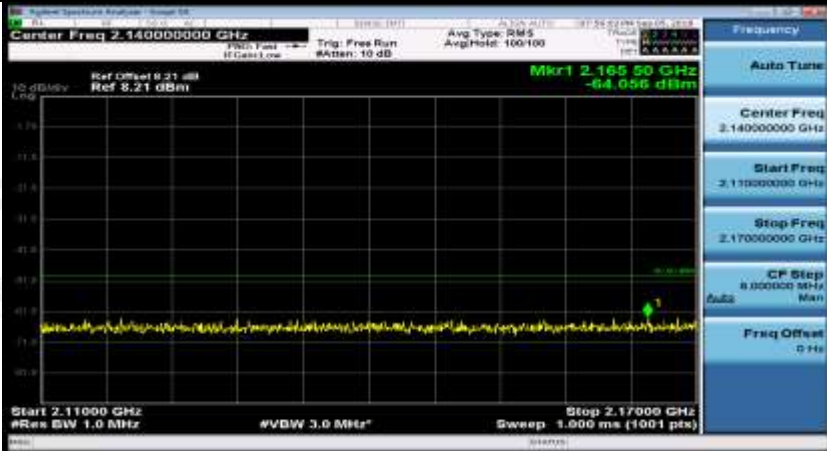
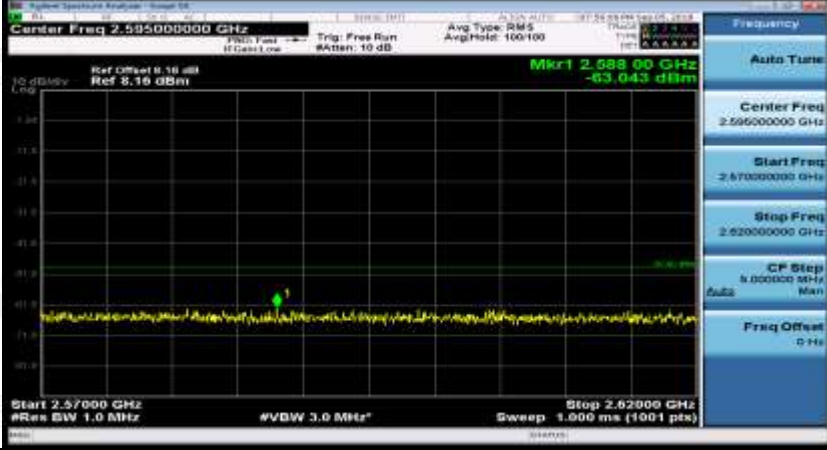
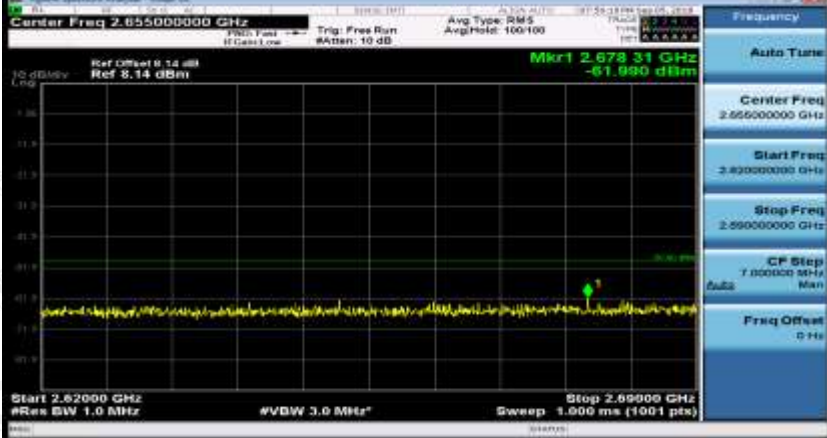
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General			
Co-existence			
Co-existence			

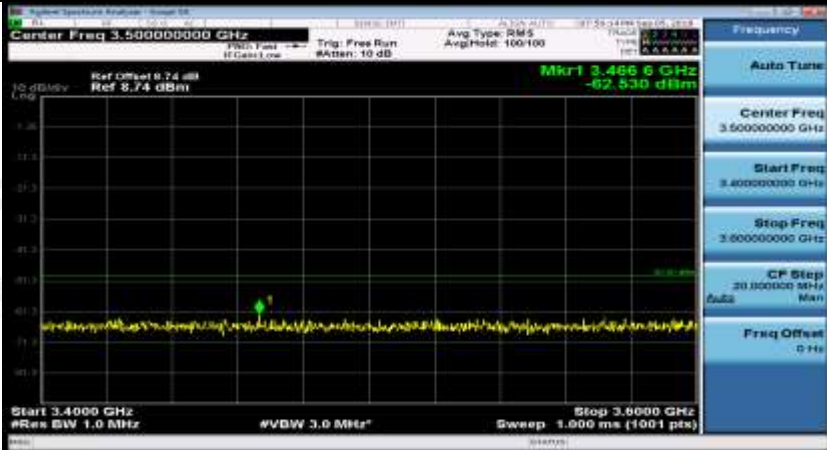
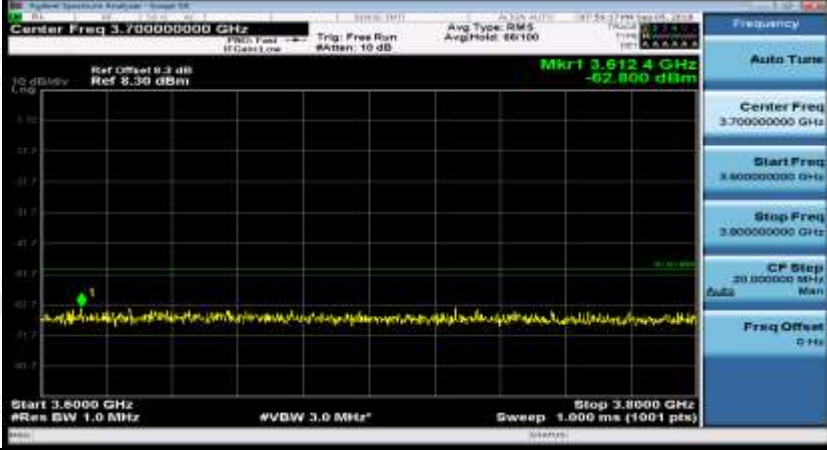
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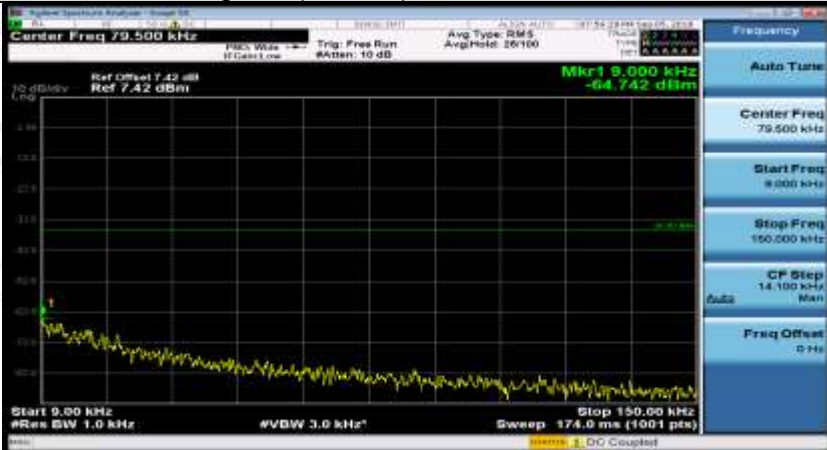
Co-existence	
Co-existence	
Co-existence	

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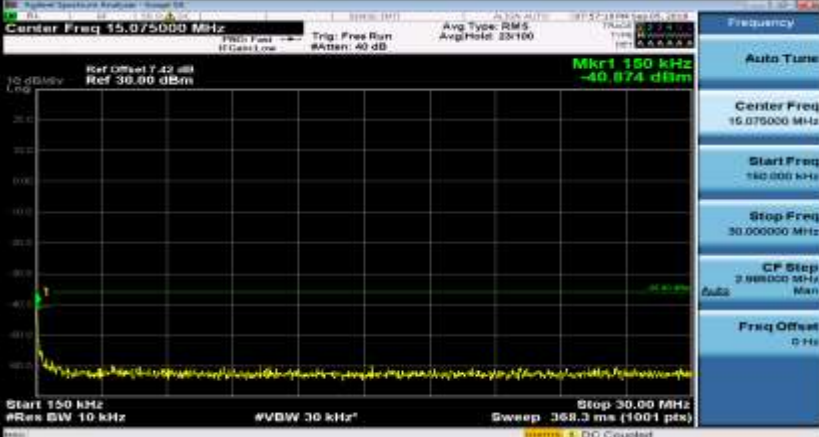
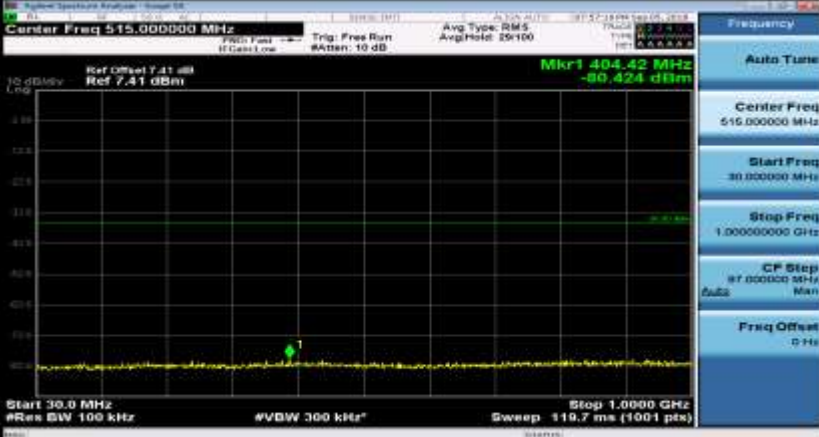
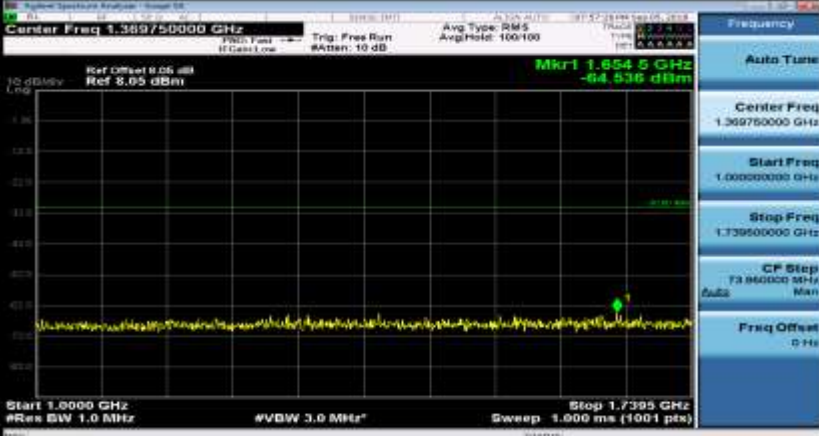
Co-existence	
Co-existence	
Co-existence	

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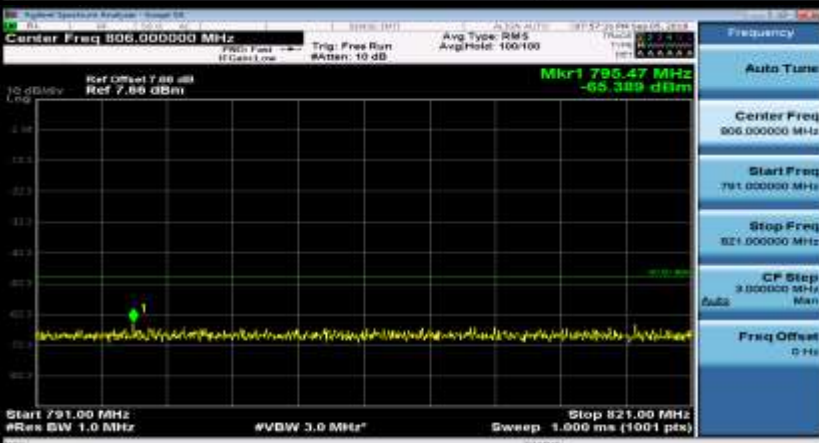
Co-existence	
Co-existence	
Additional	NA

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

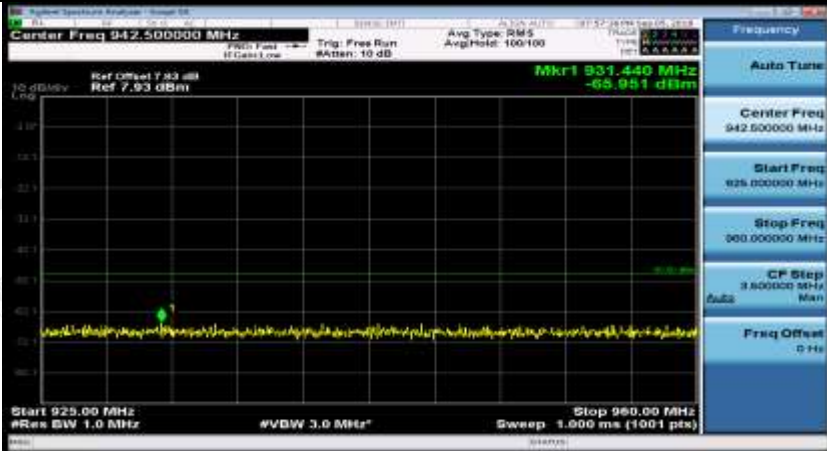
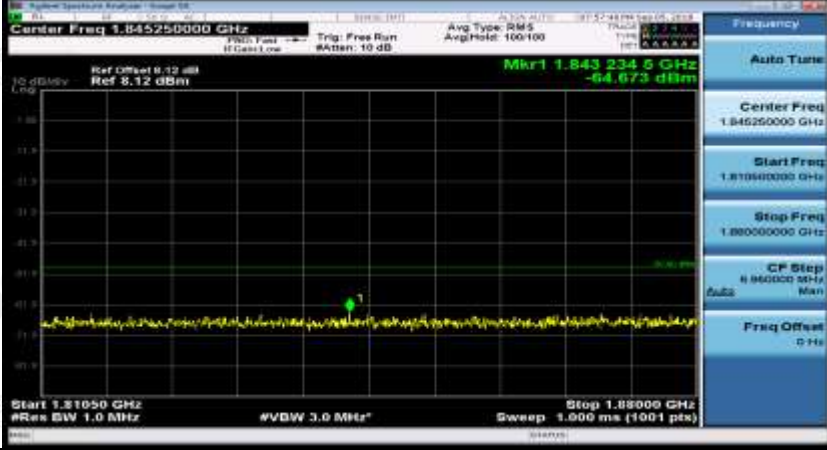
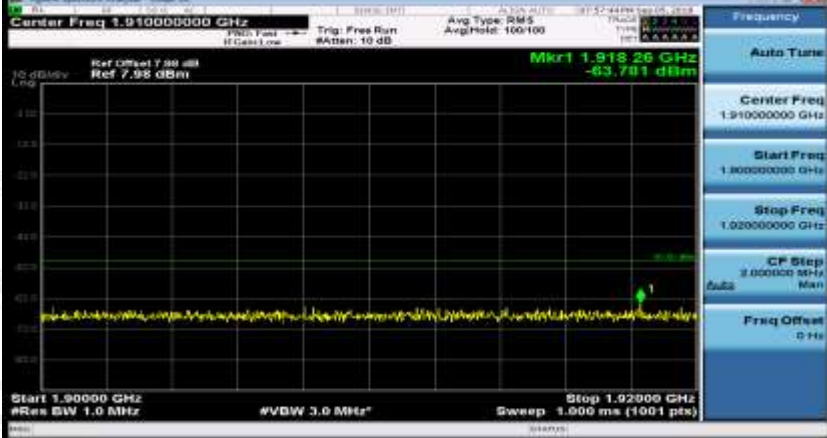
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General			
General			
General			

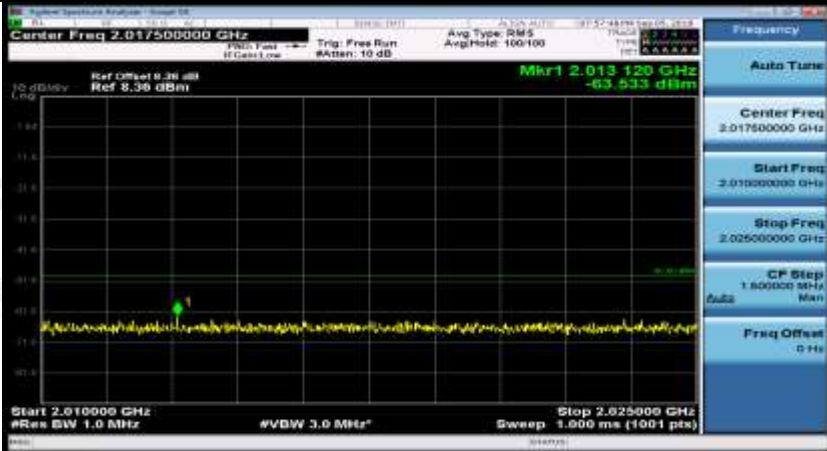
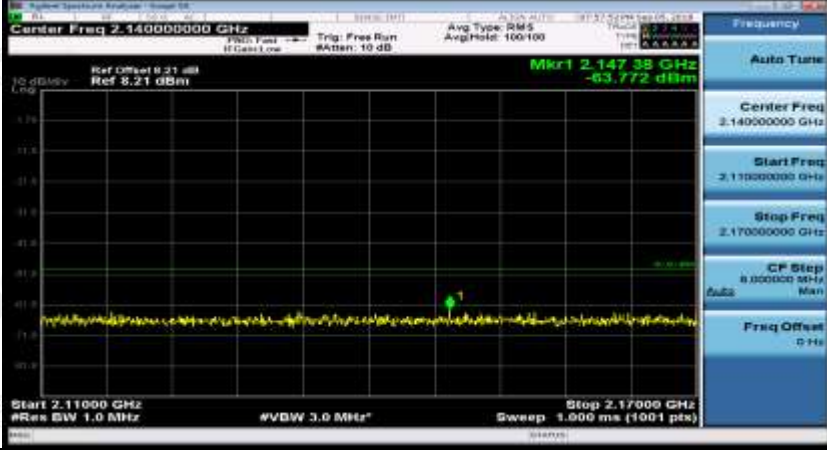

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General			
General			
Co-existence			

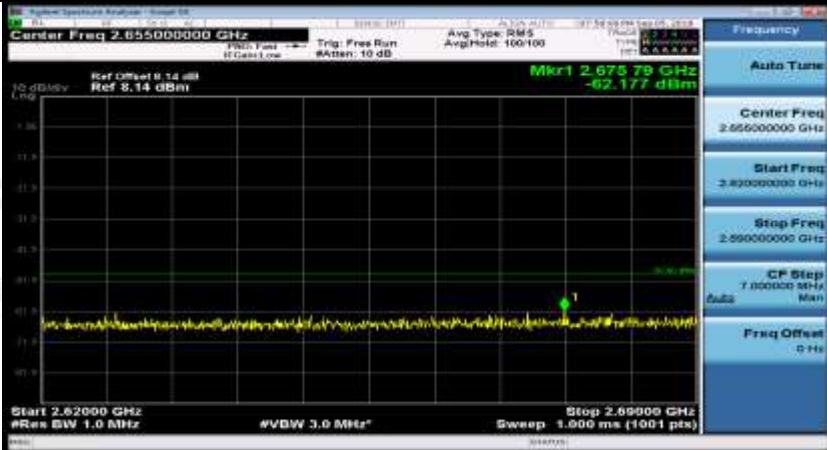
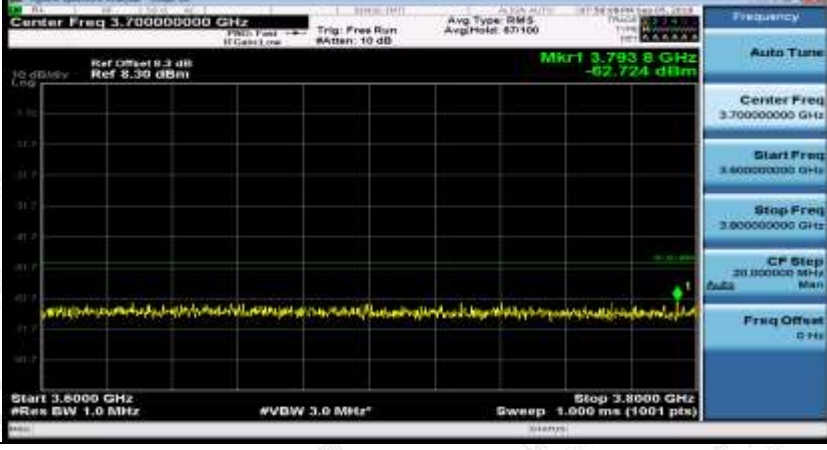
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
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

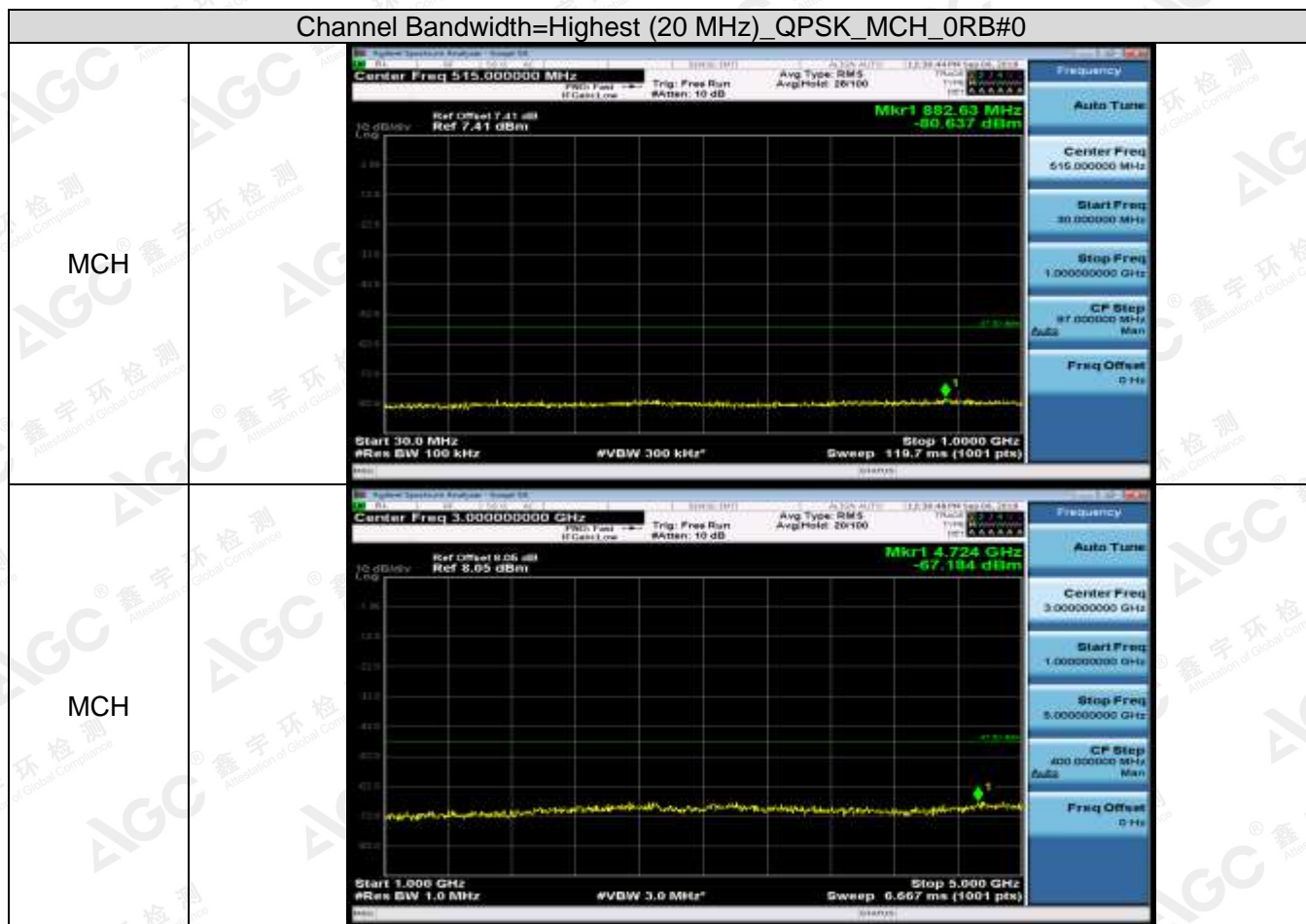
Test Graphs

NTNV

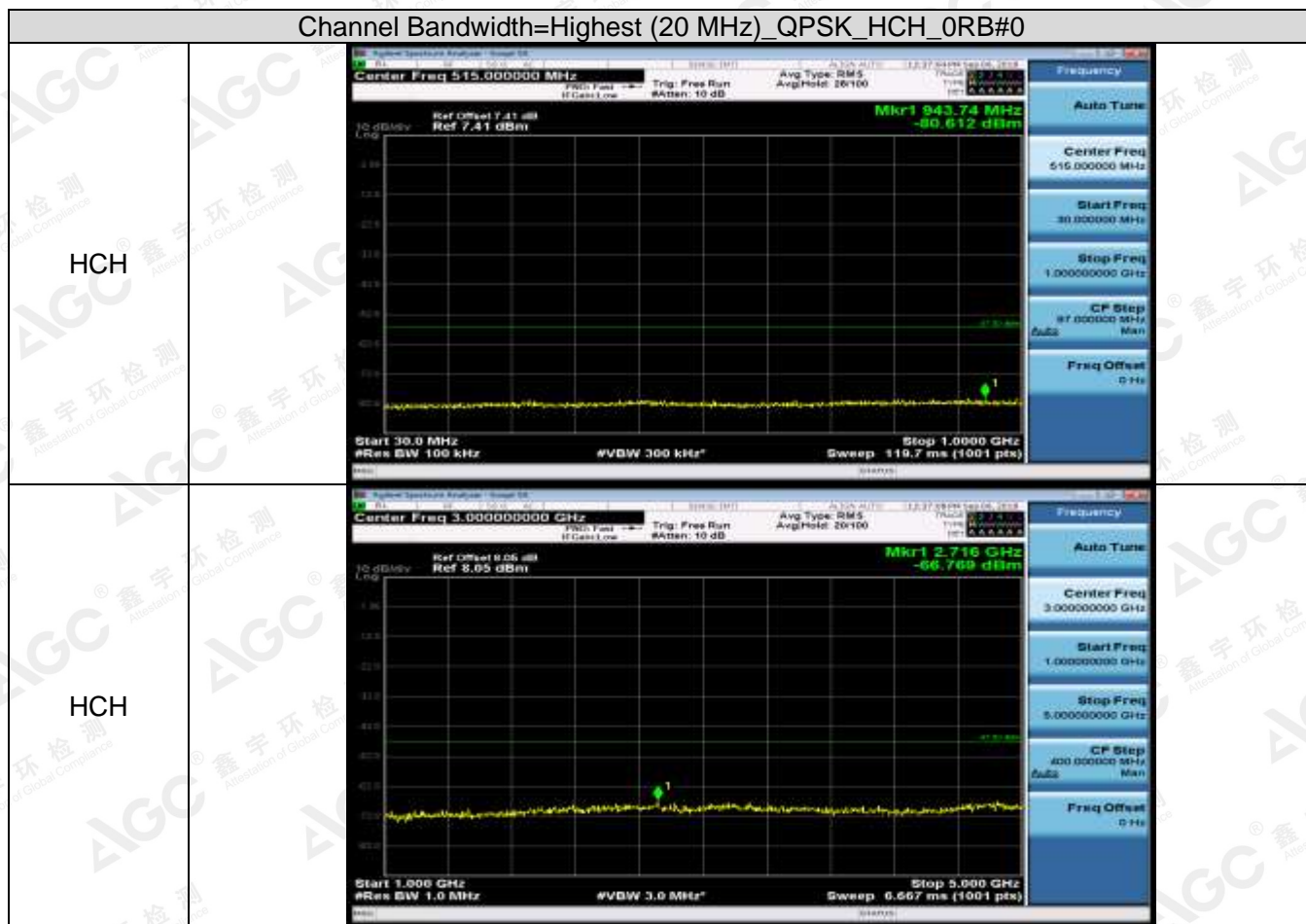
Channel Bandwidth=Highest



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7. 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	-86.23	-86.68	-87.22
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-73.52	-73.39	-73.74
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.74	-71.65	-72.59
Verdict	PASS					

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8. 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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9. 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	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				

Out-of Band Blocking

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

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10. 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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11. Receiver Intermodulation Characteristics

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	Meas. Throughput	Throughput Limit
		FDD		FDD		
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. Receiver Reference Sensitivity Level

Test Results

NTNV

	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfiguration		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput 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					
TL,VL	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					
TL,VH	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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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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	23.39	Pass
					max	23.42	Pass
				Partial	0	23.41	Pass
					max	23.55	Pass
			Mid range	1	0	23.47	Pass
					max	23.48	Pass
				Partial	0	23.45	Pass
					max	23.47	Pass
			High range	1	0	23.48	Pass
					max	23.49	Pass
				Partial	0	23.54	Pass
					max	23.52	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.37	Pass
					max	23.38	Pass
				Partial	0	23.22	Pass
					max	23.28	Pass
			Mid range	1	0	23.39	Pass
					max	23.47	Pass
				Partial	0	23.33	Pass
					max	23.35	Pass
			High range	1	0	23.28	Pass
					max	23.32	Pass
				Partial	0	23.41	Pass
					max	23.39	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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-48.75	Pass
			Mid range	Full	0	-46.34	Pass
			High range	Full	0	-46.23	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		
Normal	QPSK	20MHz	Low range	Full	0	-45.98	Pass
			Mid range	Full	0	-46.04	Pass
			High range	Full	0	-45.35	Pass

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3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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

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

Channel Bandwidth=Highest (20 MHz)

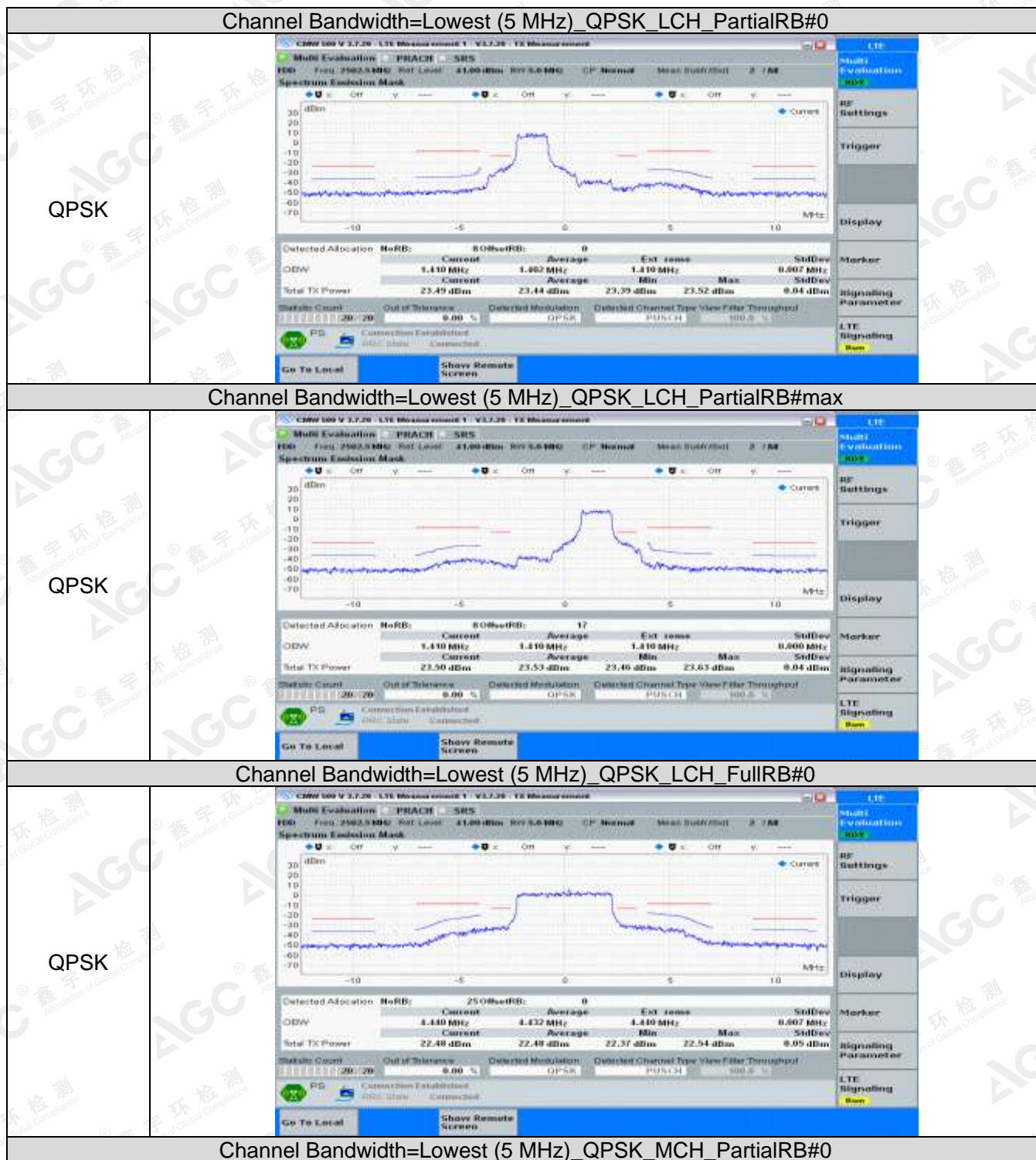
Channel Bandwidth=Highest (20MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
			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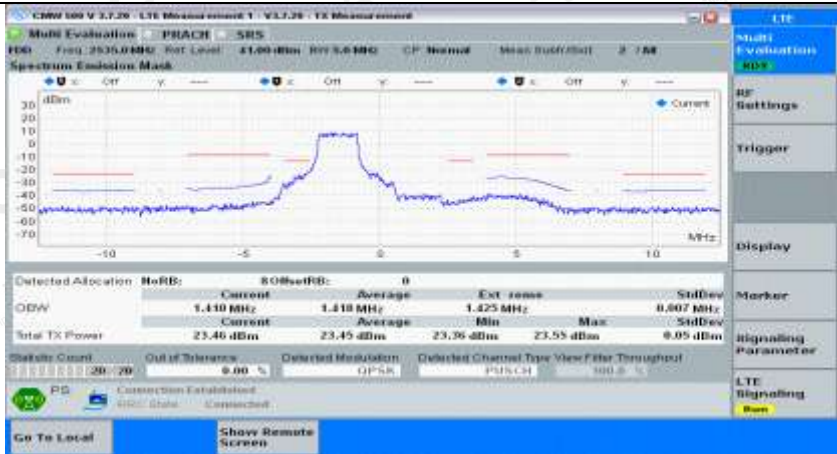
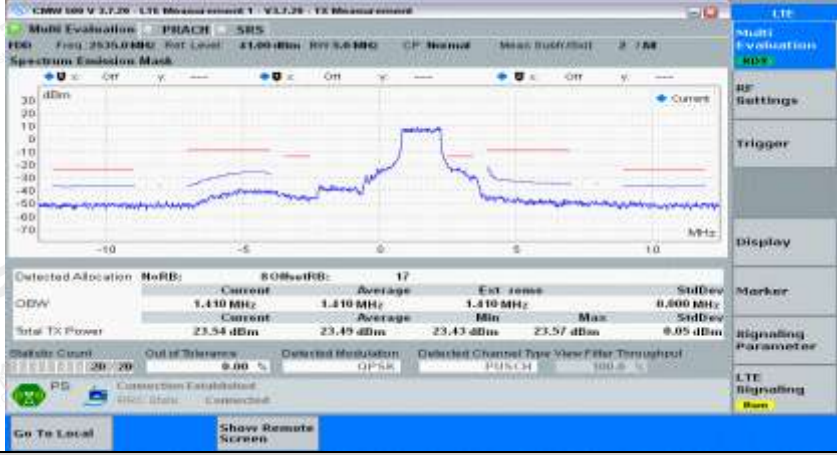

Test Graphs

NTNV

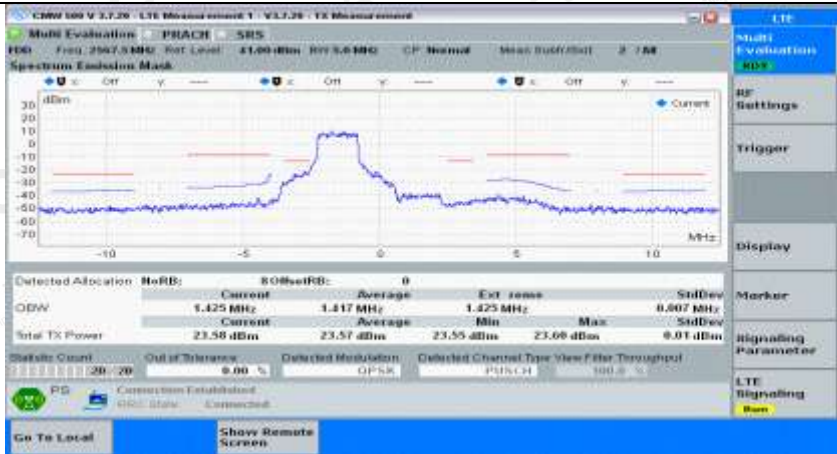
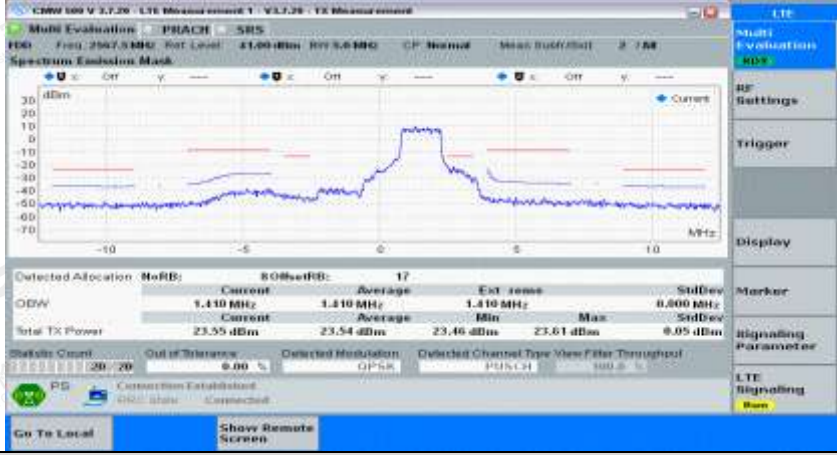
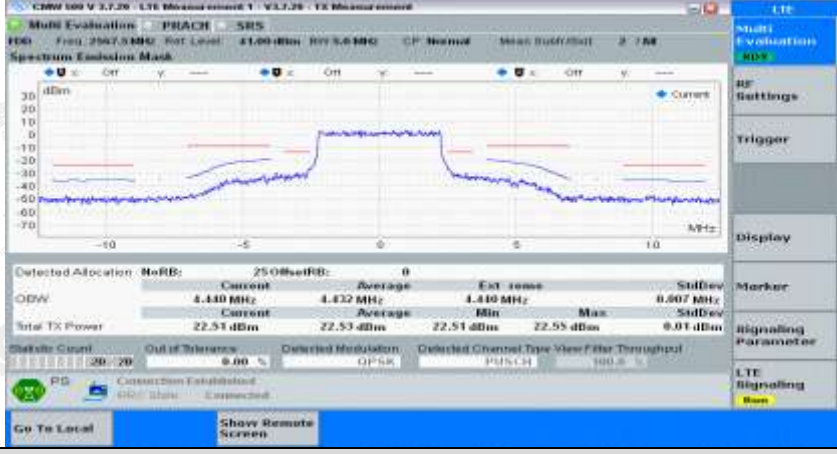
Channel Bandwidth=Lowest (5 MHz)



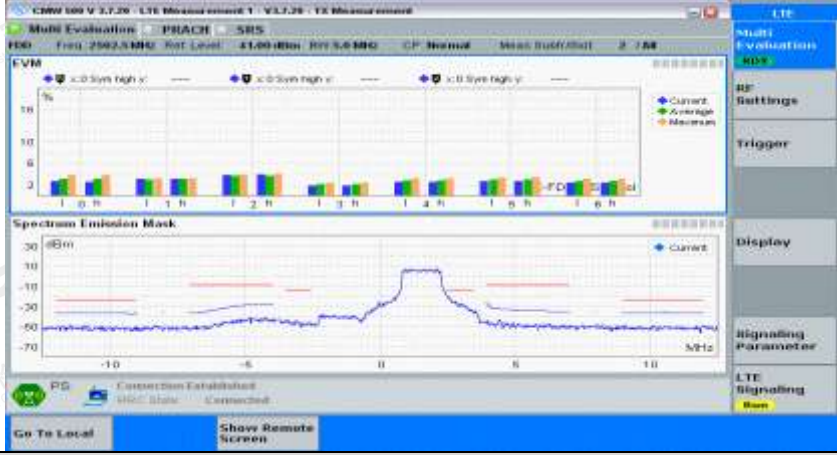
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	

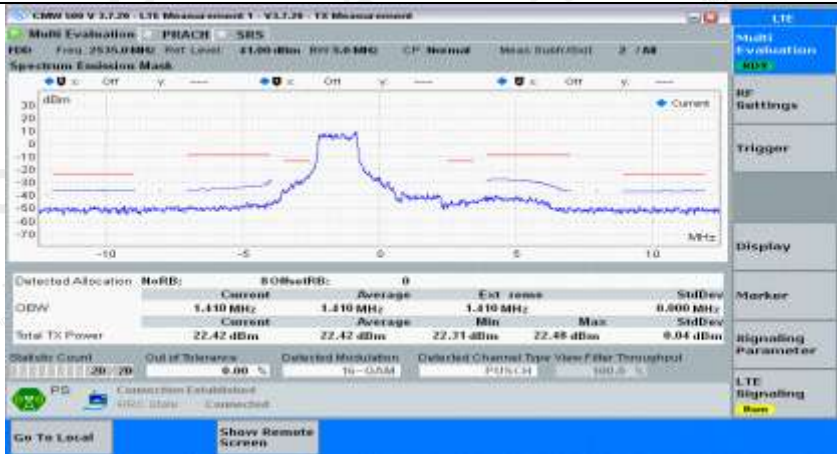
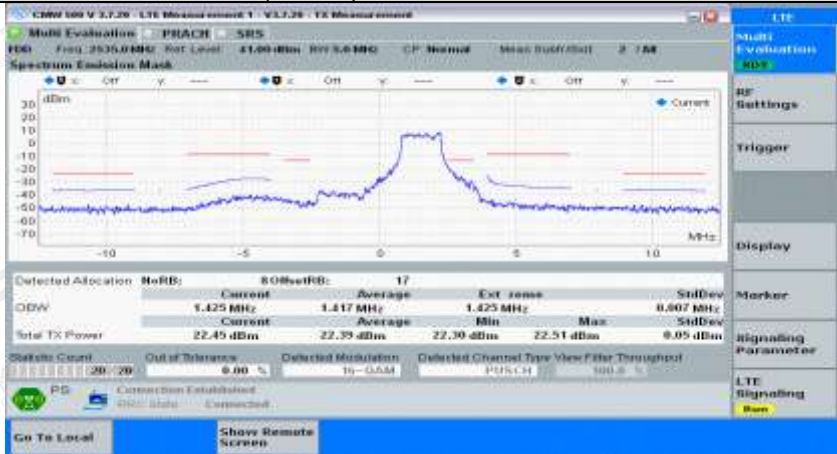
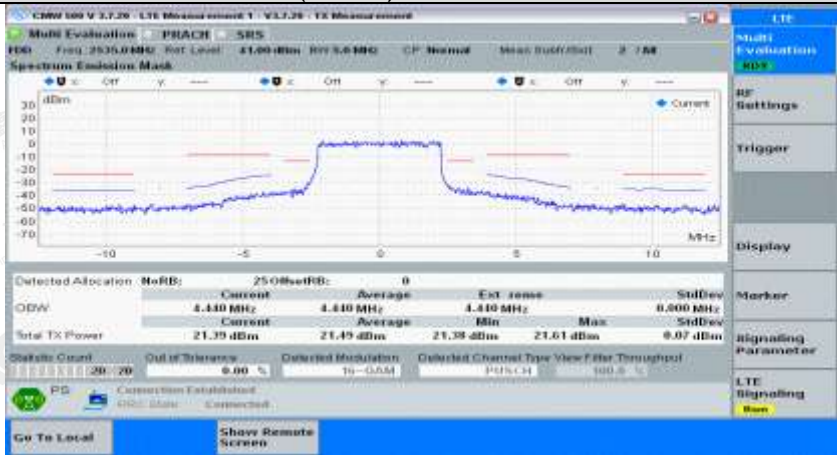
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

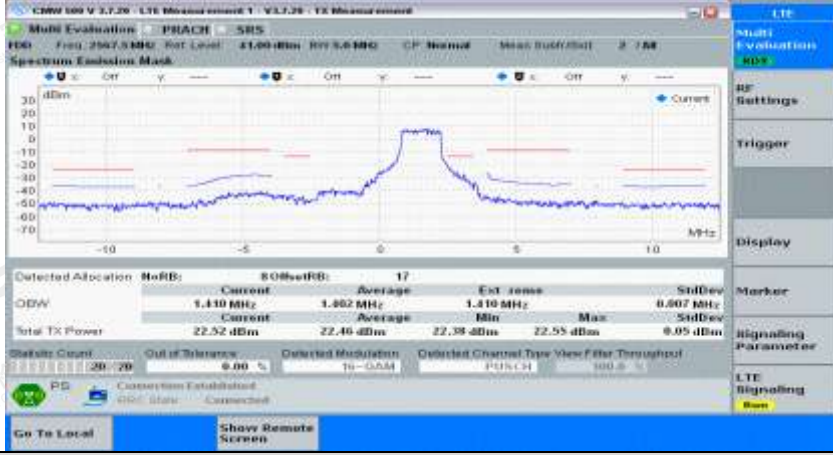
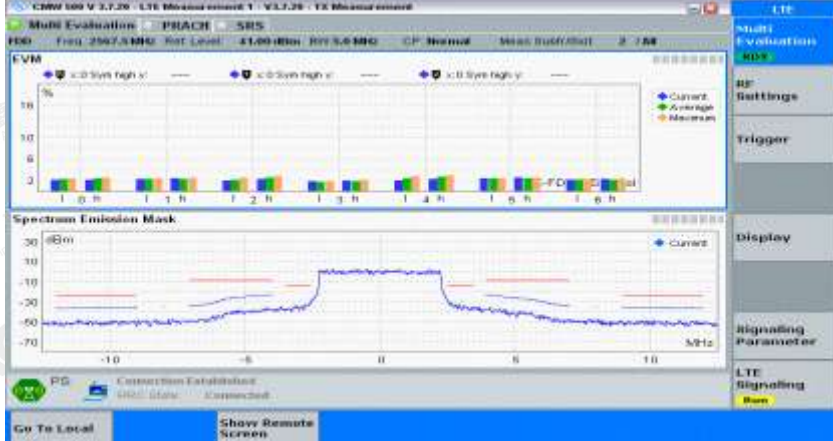
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

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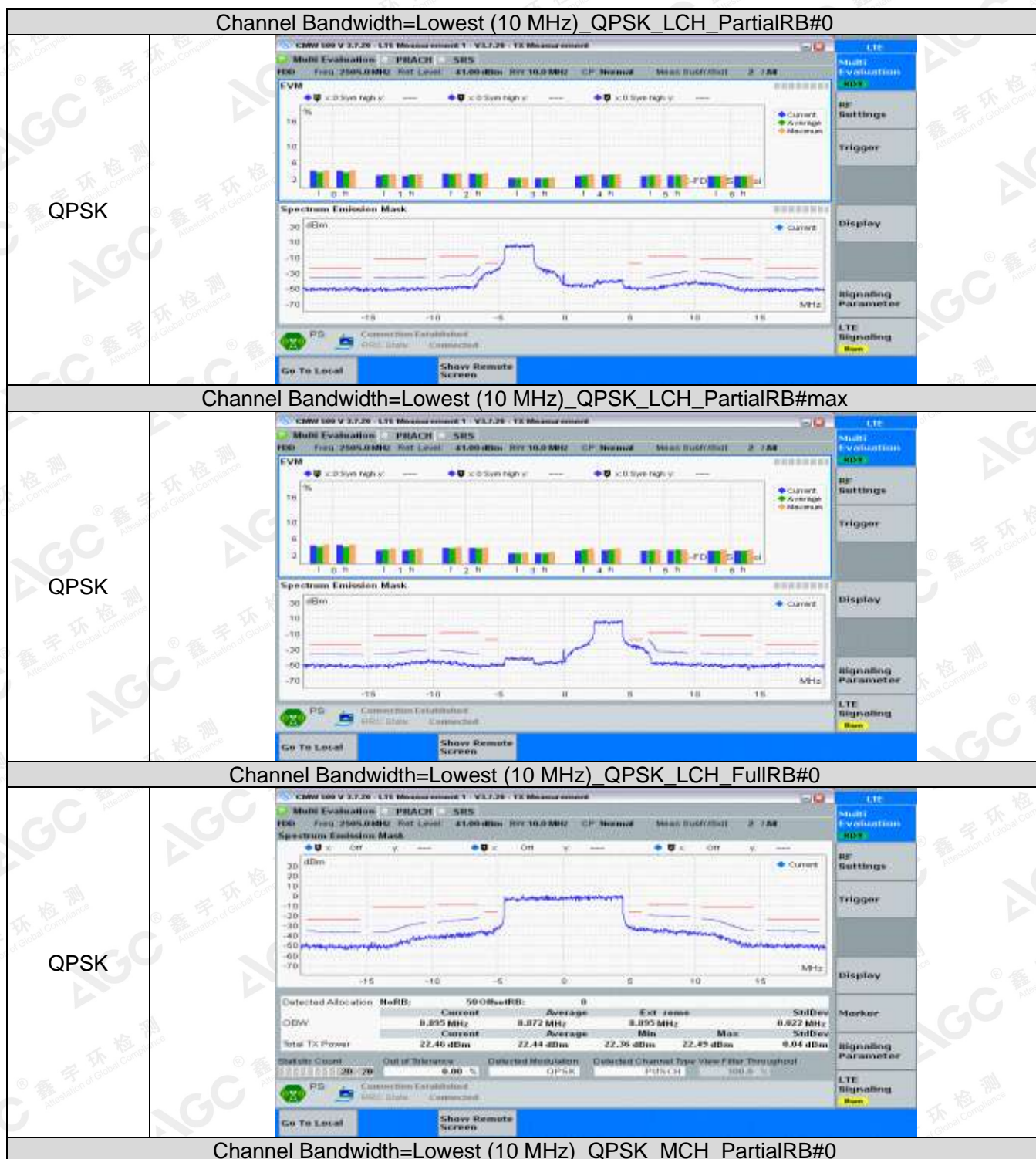
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

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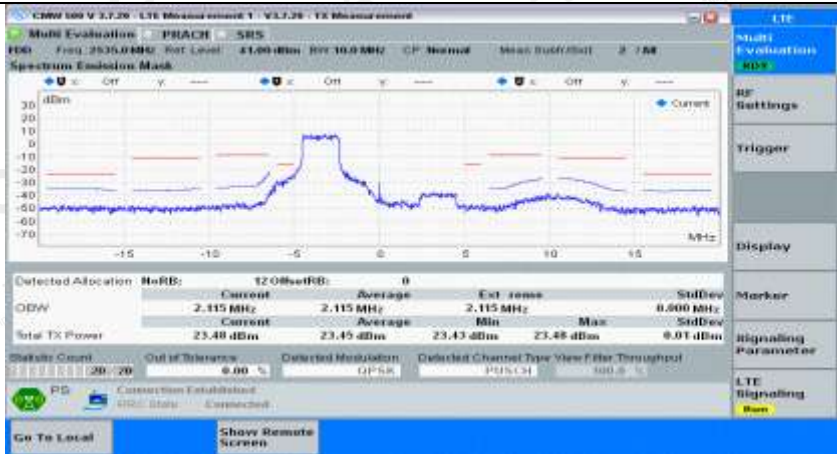
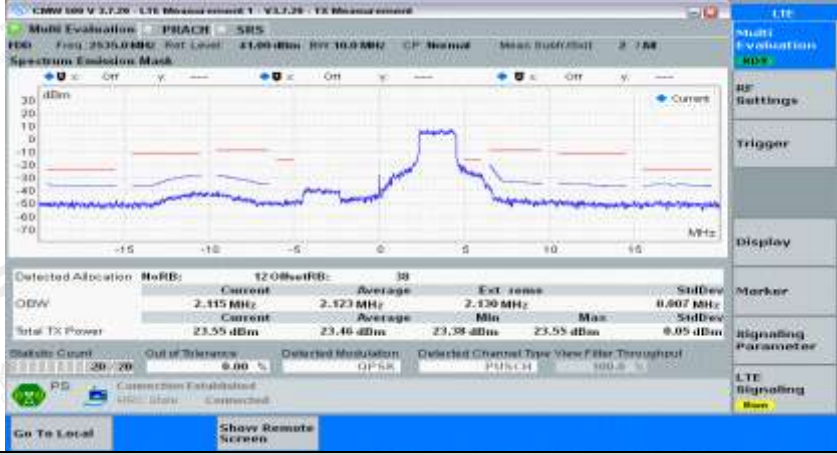
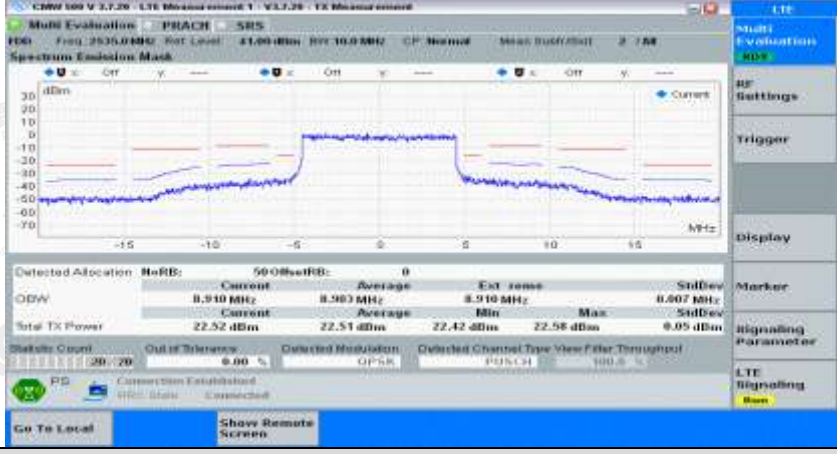
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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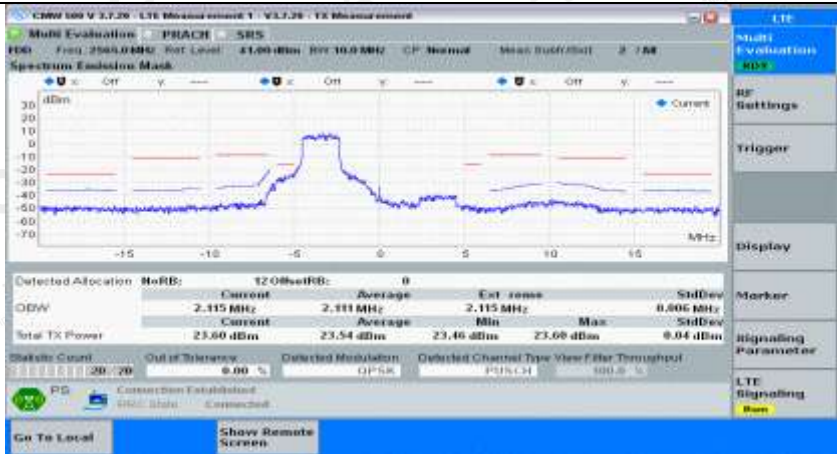
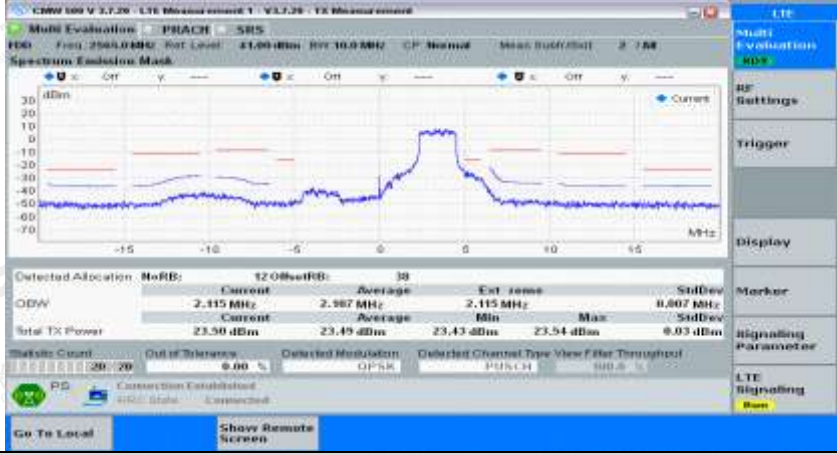
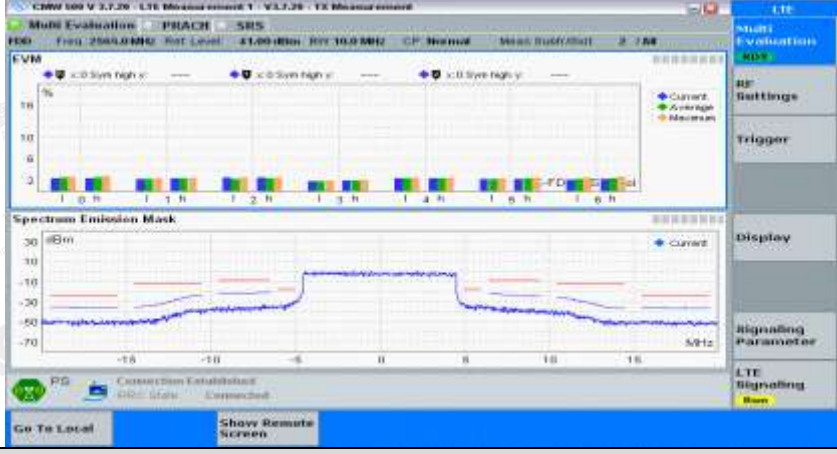
Channel Bandwidth= (10 MHz)



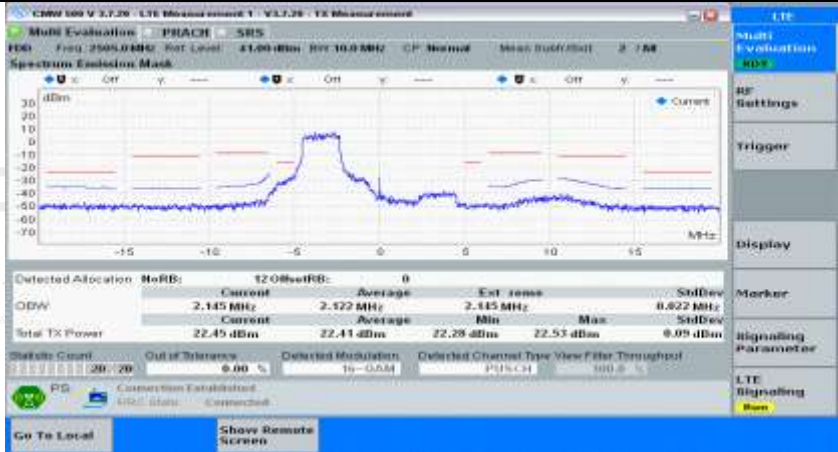
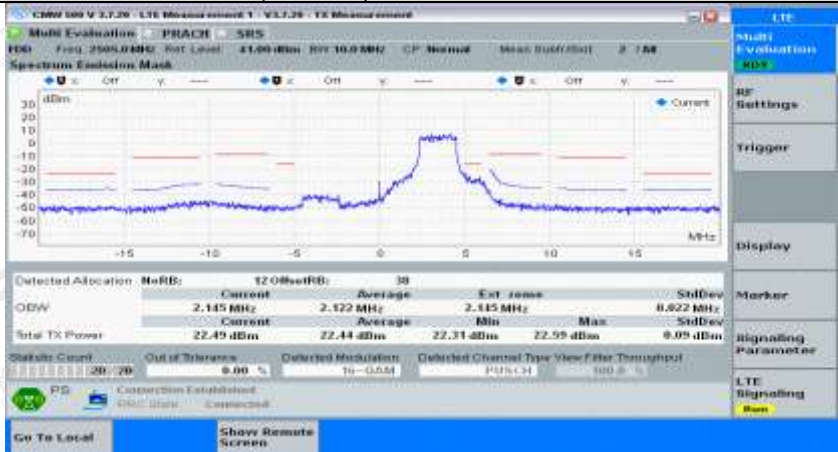
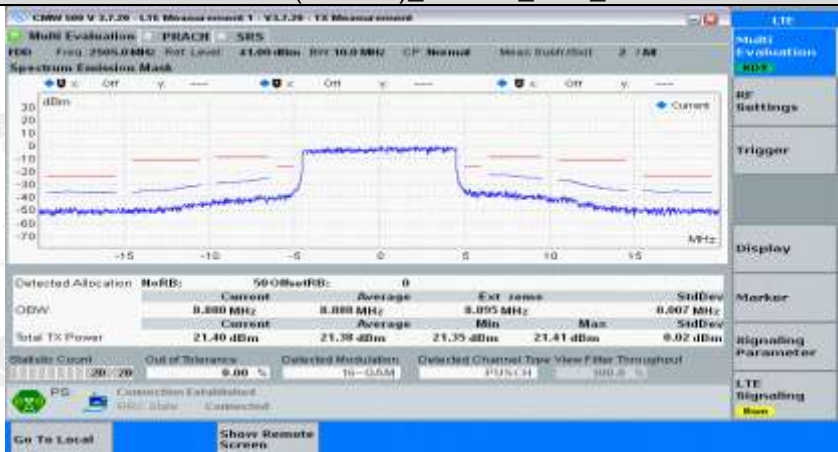
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

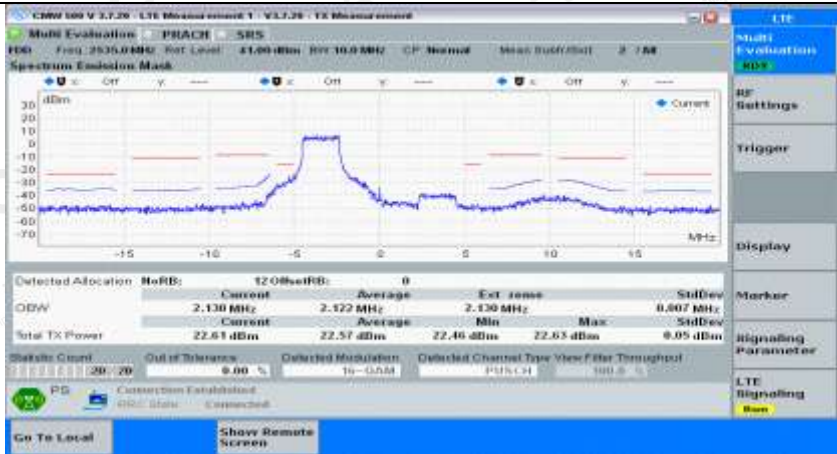
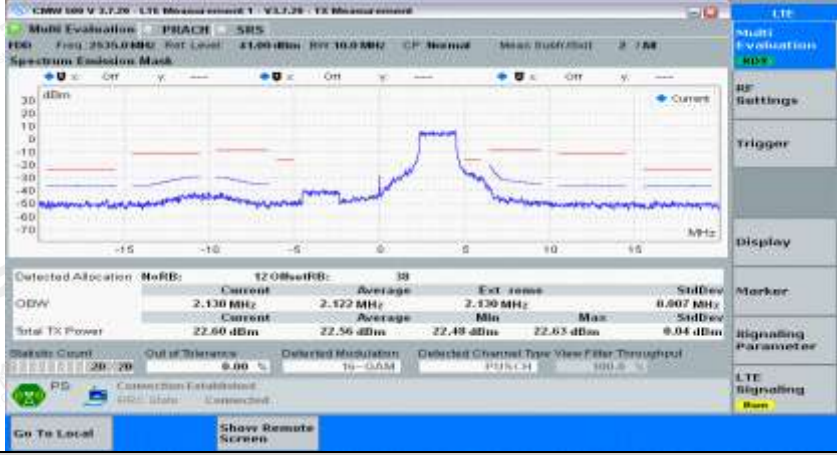
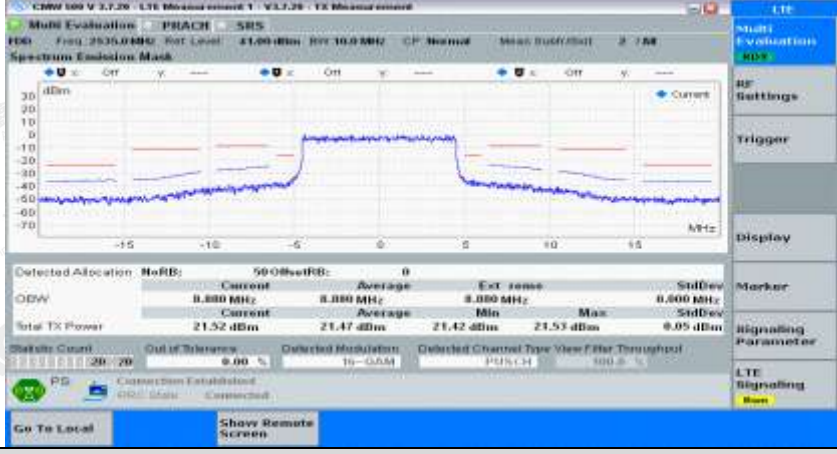
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

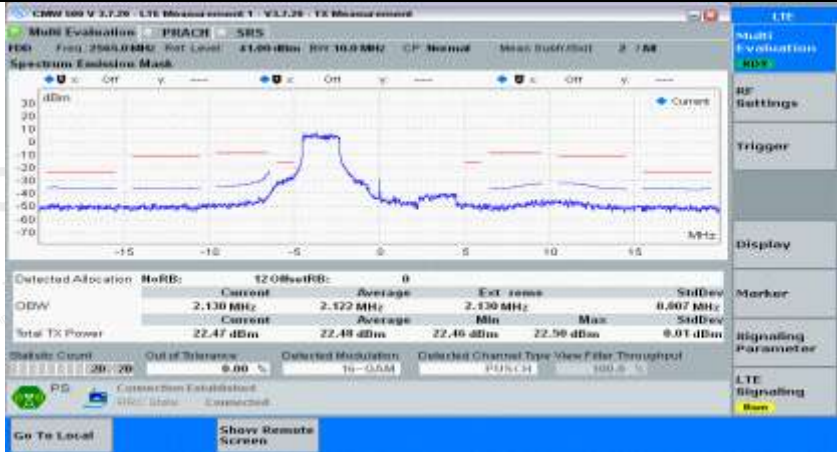
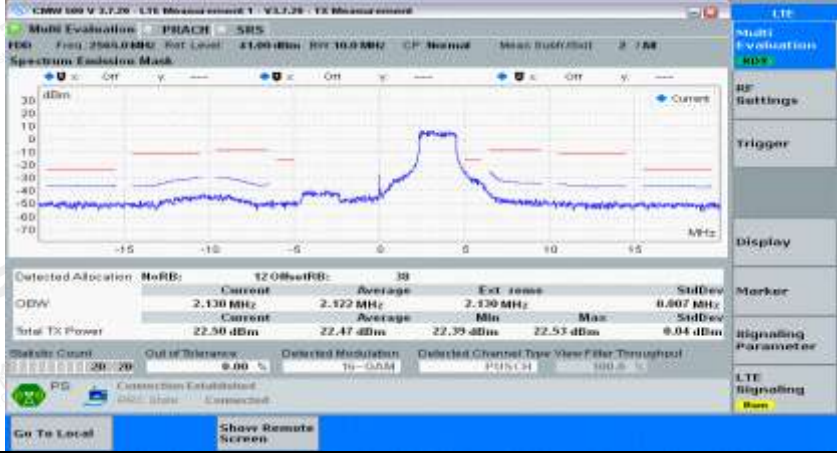
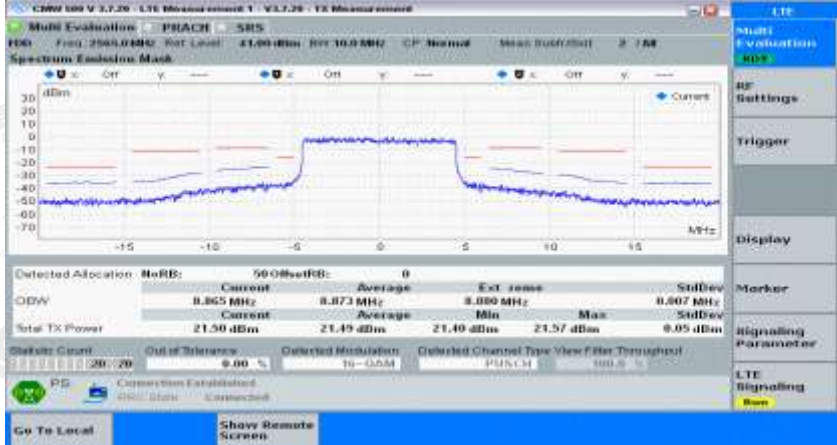
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16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

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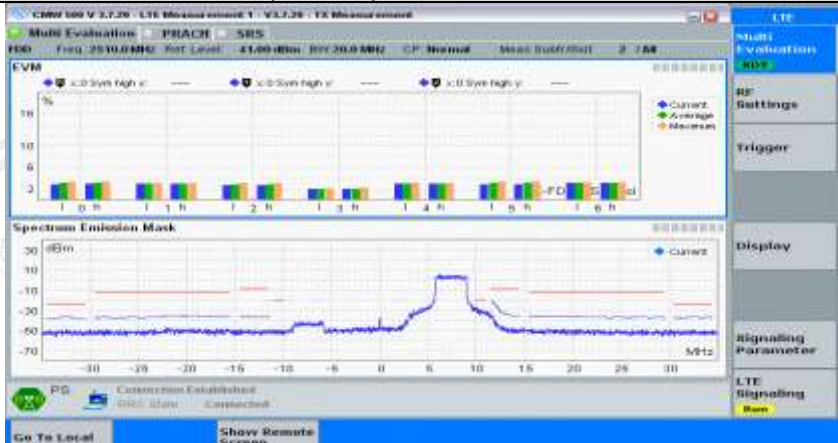
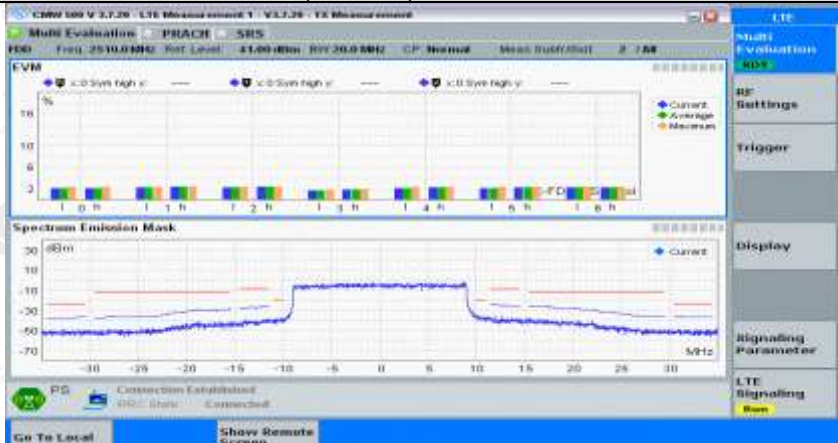
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	

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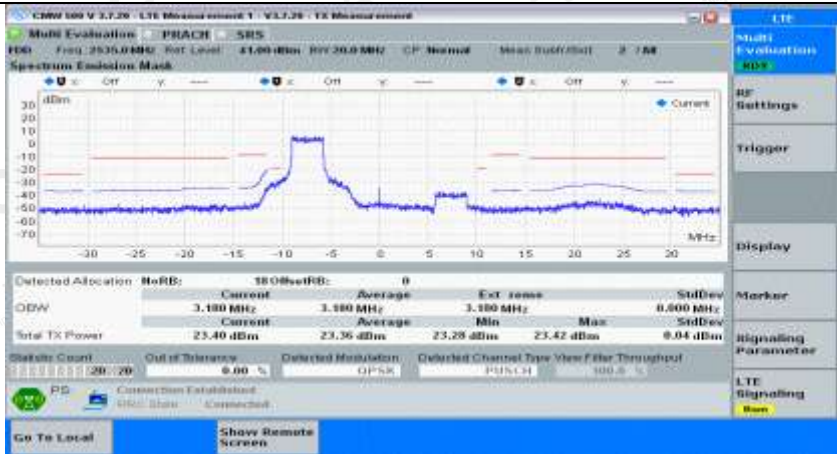
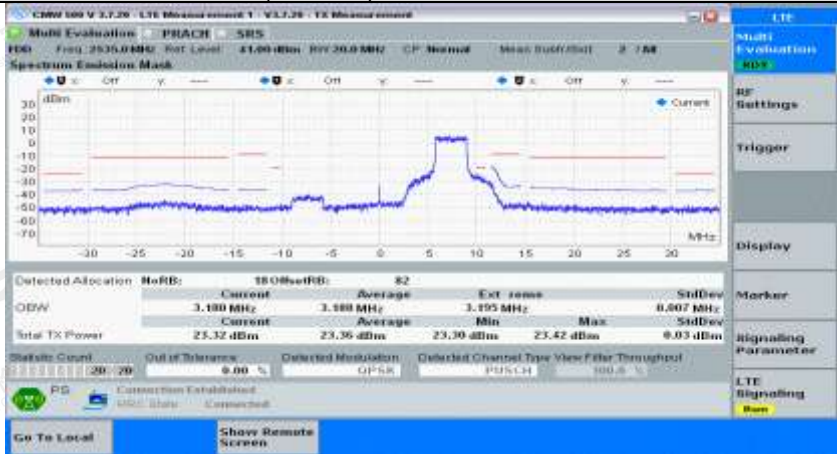
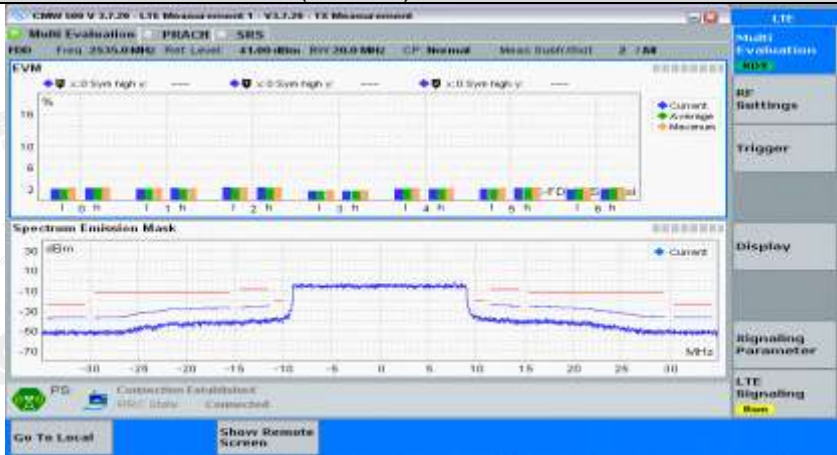
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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Channel Bandwidth=Highest (20 MHz)

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

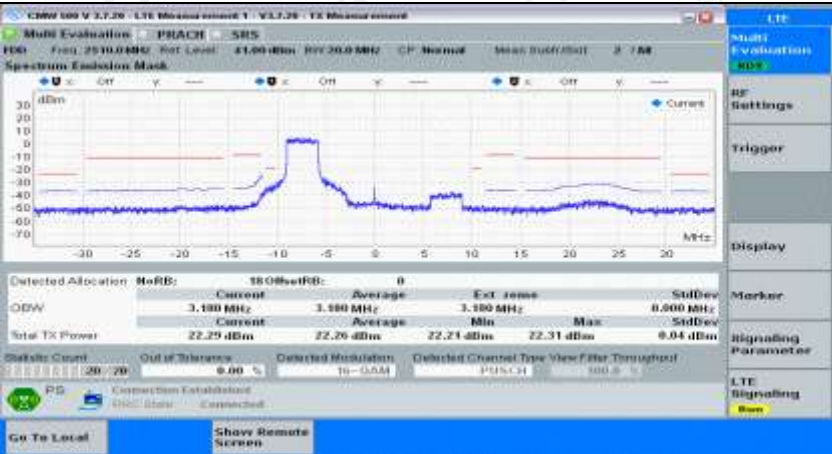
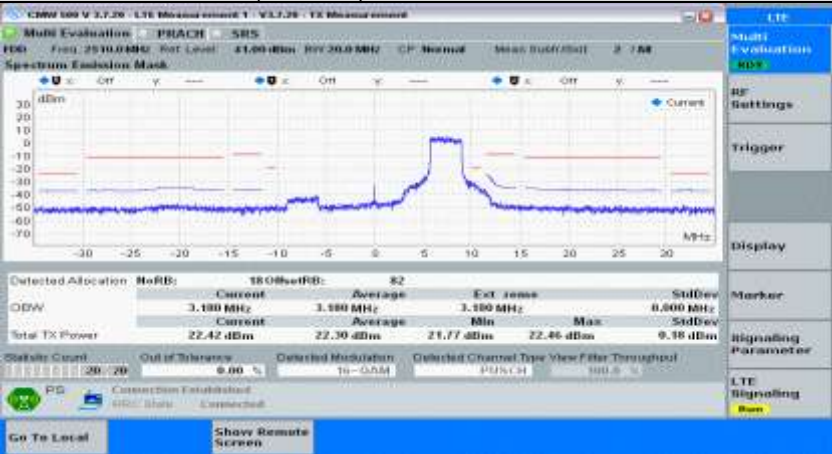
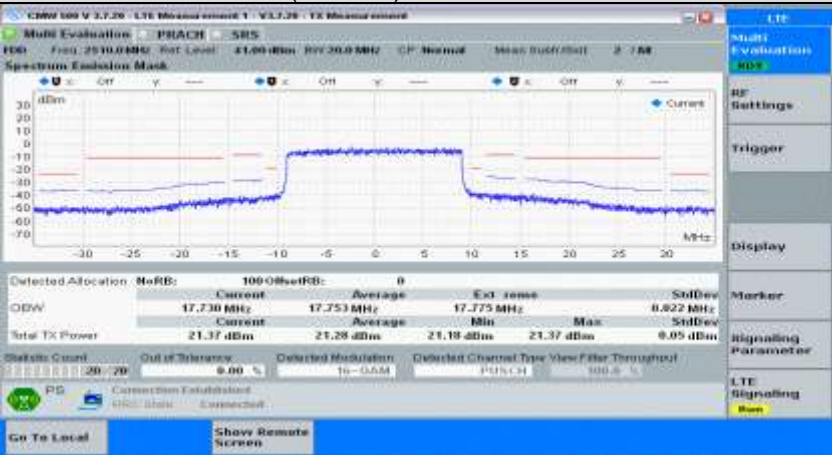
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QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

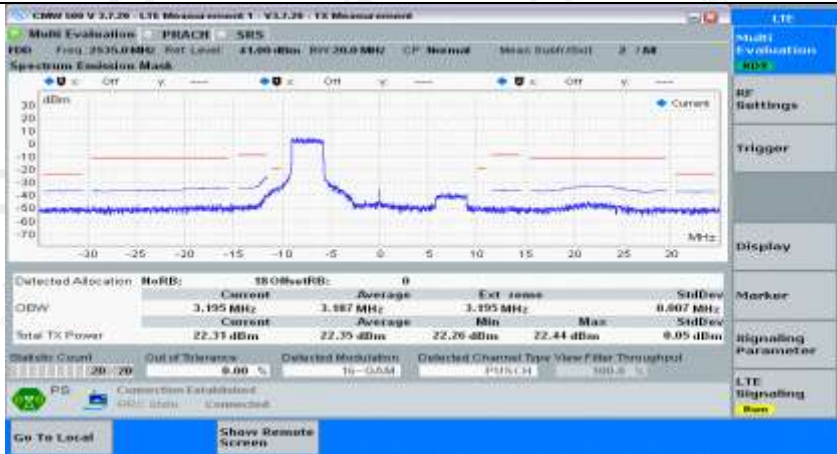
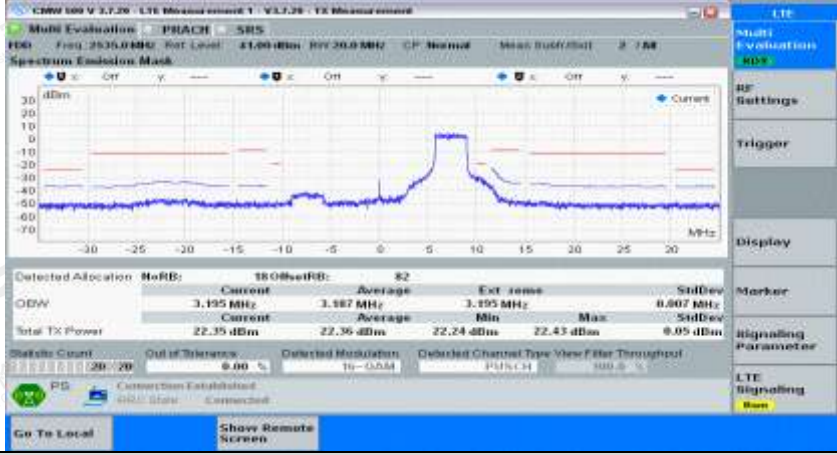
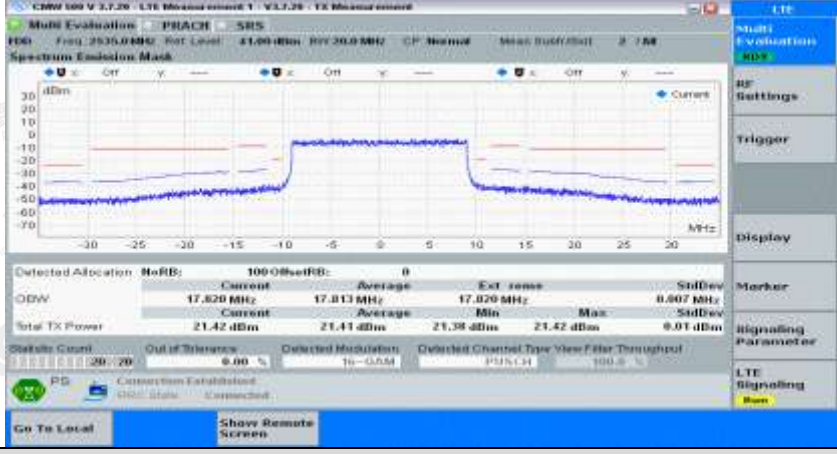
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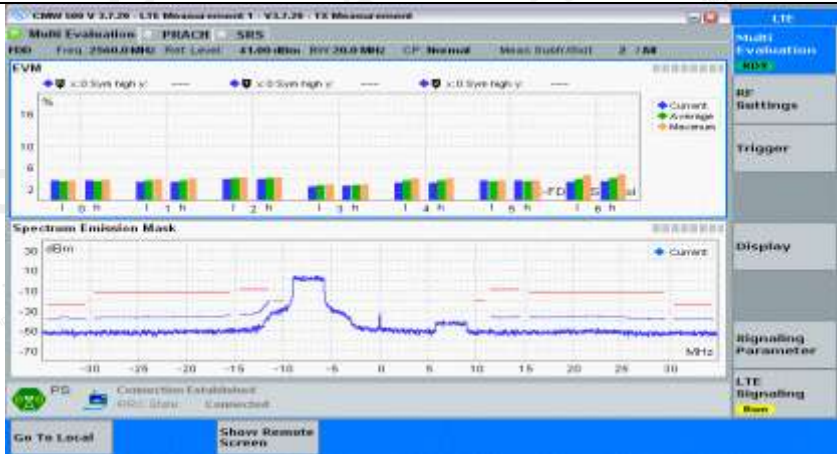
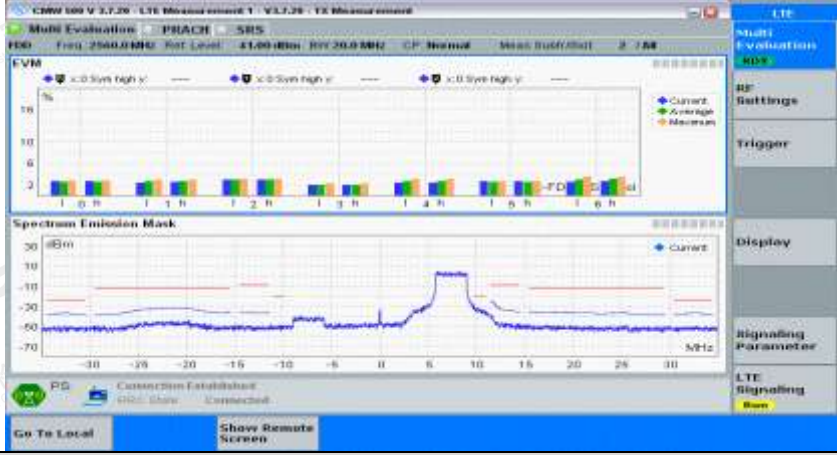
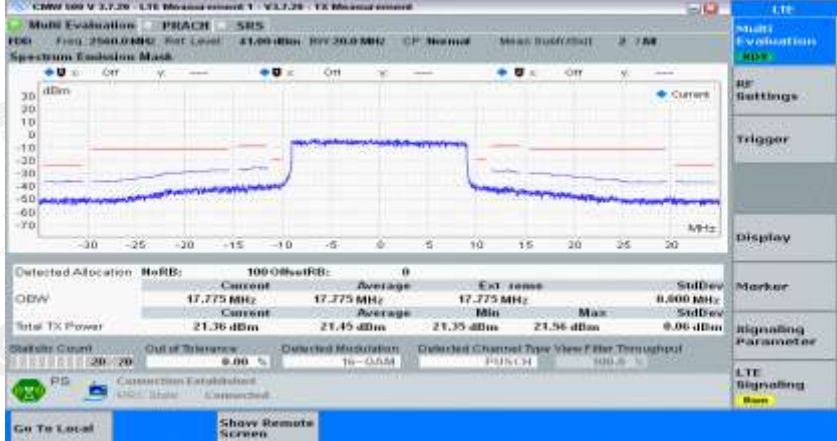
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16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	

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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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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

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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)

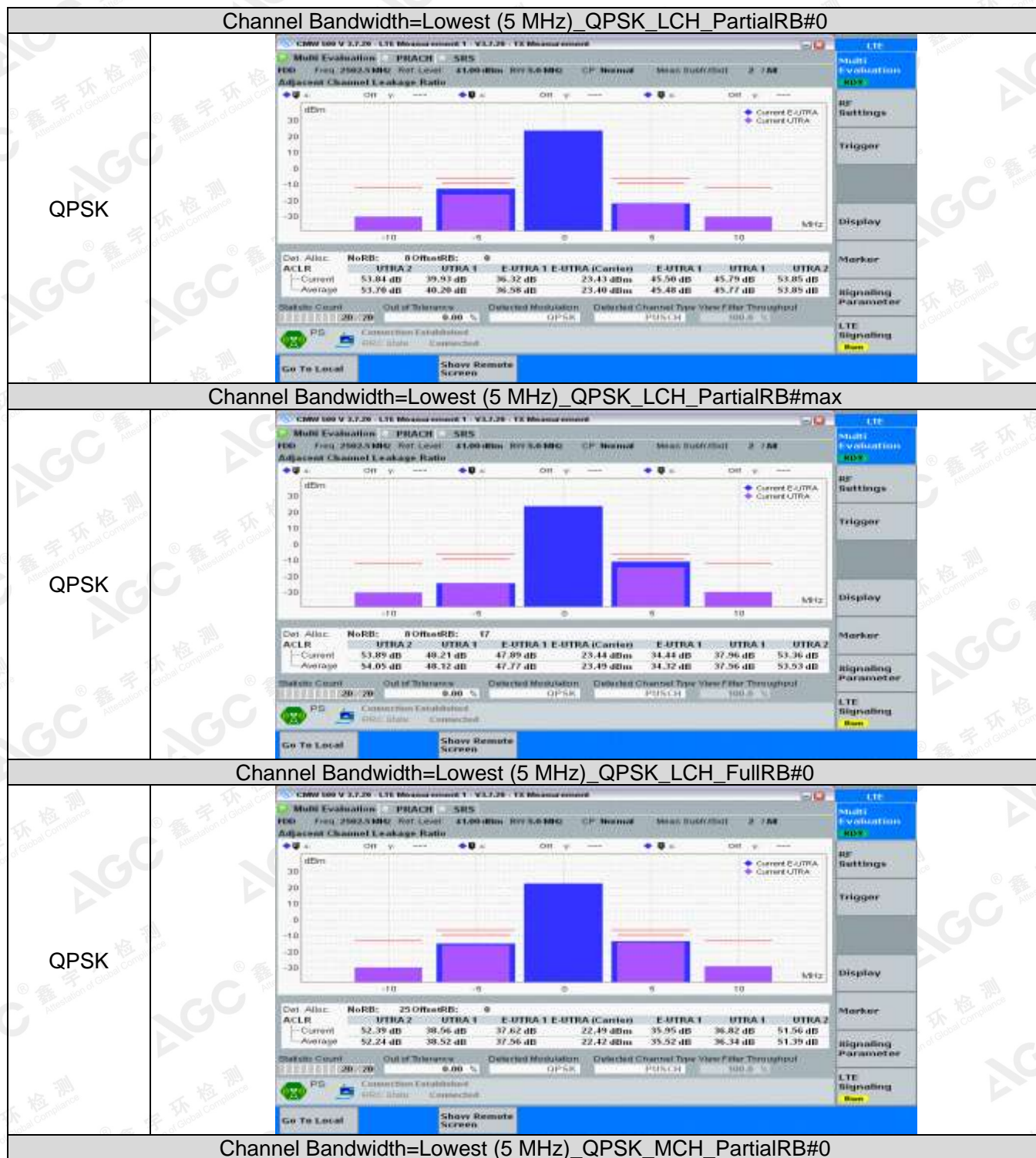
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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

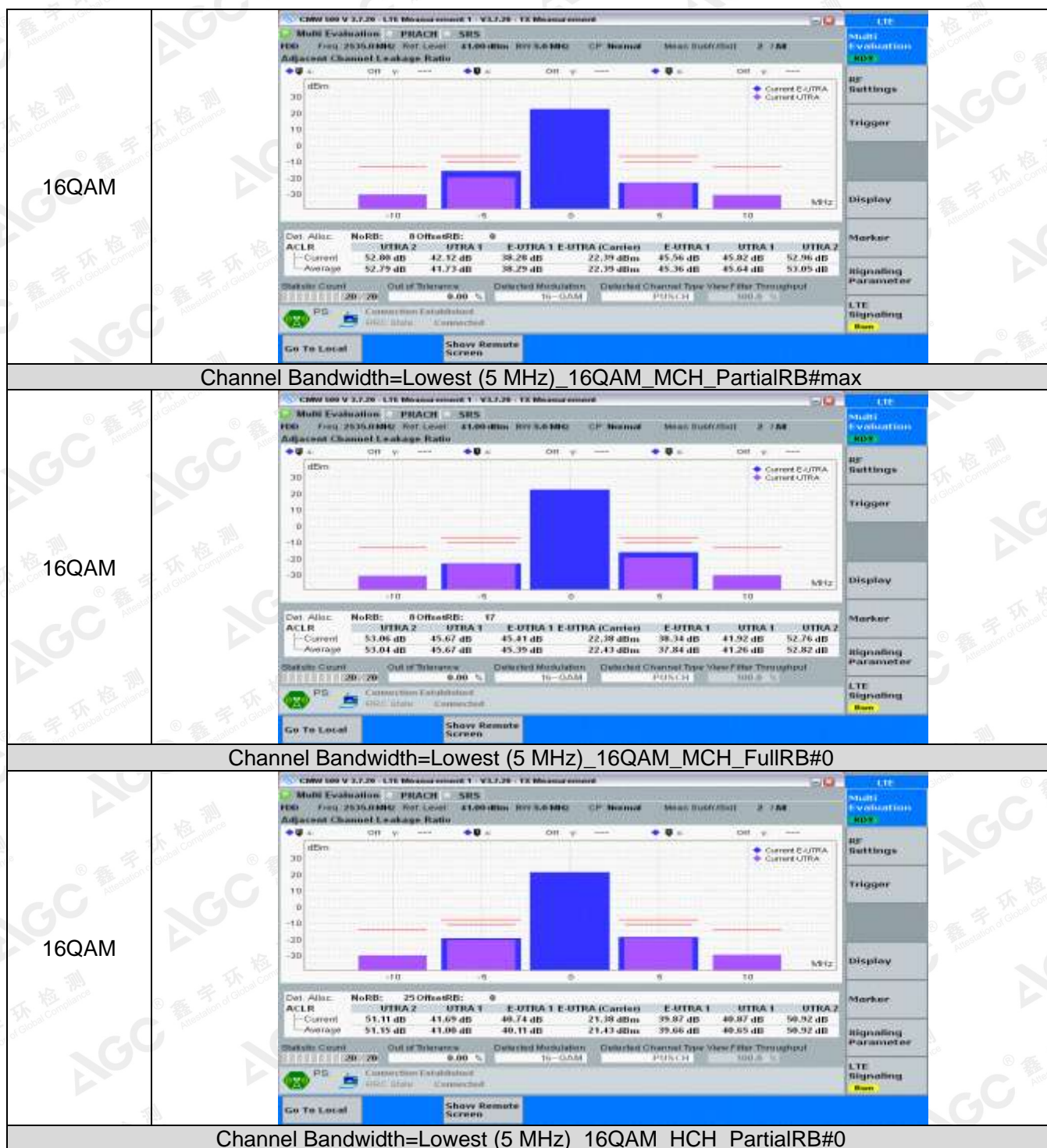
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QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>

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Channel Bandwidth= (10 MHz)

Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

QPSK



Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max

QPSK





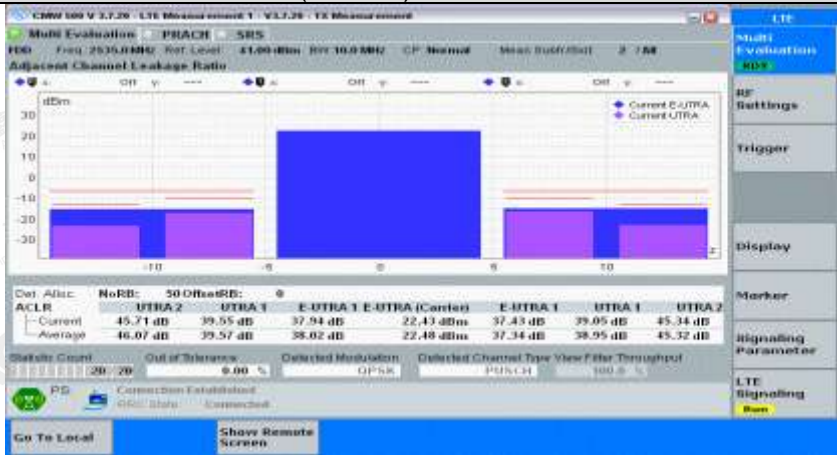
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0

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	 <table><tr><th>ACL</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.22 dB</td><td>38.81 dB</td><td>38.04 dB</td><td>23.48 dBm</td><td>47.95 dB</td><td>51.55 dB</td><td>50.87 dB</td></tr><tr><td>Average</td><td>53.17 dB</td><td>38.73 dB</td><td>37.99 dB</td><td>23.46 dBm</td><td>46.79 dB</td><td>51.32 dB</td><td>50.69 dB</td></tr></table>	ACL	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.22 dB	38.81 dB	38.04 dB	23.48 dBm	47.95 dB	51.55 dB	50.87 dB	Average	53.17 dB	38.73 dB	37.99 dB	23.46 dBm	46.79 dB	51.32 dB	50.69 dB
ACL	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
Current	53.22 dB	38.81 dB	38.04 dB	23.48 dBm	47.95 dB	51.55 dB	50.87 dB																		
Average	53.17 dB	38.73 dB	37.99 dB	23.46 dBm	46.79 dB	51.32 dB	50.69 dB																		
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max																									
QPSK	 <table><tr><th>ACL</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>49.03 dB</td><td>50.06 dB</td><td>45.23 dB</td><td>23.12 dBm</td><td>49.92 dB</td><td>41.73 dB</td><td>52.91 dB</td></tr><tr><td>Average</td><td>49.27 dB</td><td>50.03 dB</td><td>45.36 dB</td><td>23.06 dBm</td><td>41.00 dB</td><td>41.87 dB</td><td>53.14 dB</td></tr></table>	ACL	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	49.03 dB	50.06 dB	45.23 dB	23.12 dBm	49.92 dB	41.73 dB	52.91 dB	Average	49.27 dB	50.03 dB	45.36 dB	23.06 dBm	41.00 dB	41.87 dB	53.14 dB
ACL	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
Current	49.03 dB	50.06 dB	45.23 dB	23.12 dBm	49.92 dB	41.73 dB	52.91 dB																		
Average	49.27 dB	50.03 dB	45.36 dB	23.06 dBm	41.00 dB	41.87 dB	53.14 dB																		
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0																									
QPSK	 <table><tr><th>ACL</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>45.97 dB</td><td>39.33 dB</td><td>37.71 dB</td><td>22.85 dBm</td><td>39.15 dB</td><td>40.62 dB</td><td>47.61 dB</td></tr><tr><td>Average</td><td>46.18 dB</td><td>39.45 dB</td><td>37.90 dB</td><td>22.69 dBm</td><td>39.32 dB</td><td>40.74 dB</td><td>47.85 dB</td></tr></table>	ACL	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	45.97 dB	39.33 dB	37.71 dB	22.85 dBm	39.15 dB	40.62 dB	47.61 dB	Average	46.18 dB	39.45 dB	37.90 dB	22.69 dBm	39.32 dB	40.74 dB	47.85 dB
ACL	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
Current	45.97 dB	39.33 dB	37.71 dB	22.85 dBm	39.15 dB	40.62 dB	47.61 dB																		
Average	46.18 dB	39.45 dB	37.90 dB	22.69 dBm	39.32 dB	40.74 dB	47.85 dB																		
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0																									

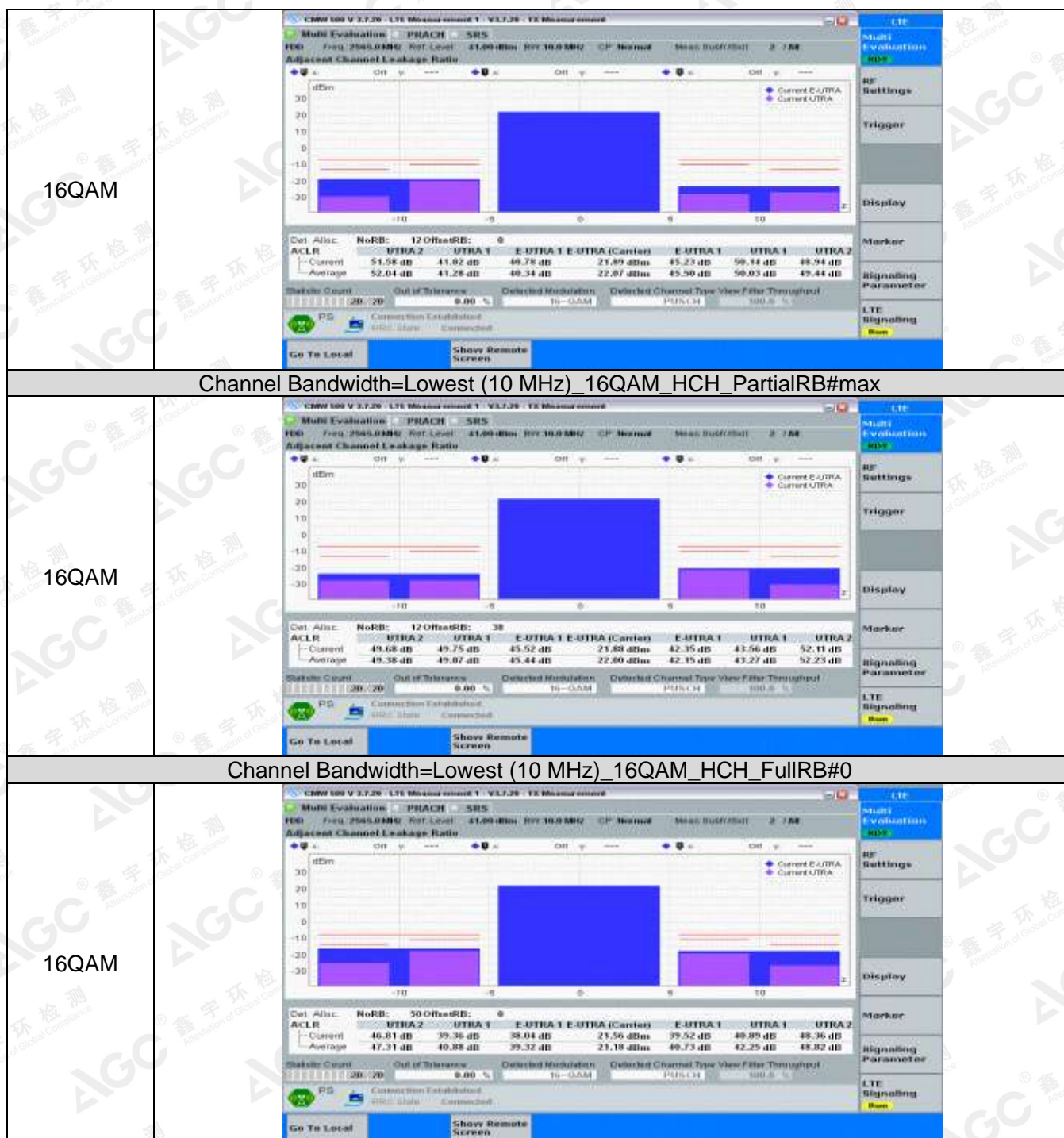
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16QAM	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>38</th><th>0</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Current</td><td>52.38 dB</td><td>41.54 dB</td><td>40.43 dB</td><td>22.59 dBm</td><td>43.79 dB</td><td>43.65 dB</td><td>47.62 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>52.44 dB</td><td>41.74 dB</td><td>40.93 dB</td><td>22.55 dBm</td><td>43.92 dB</td><td>43.86 dB</td><td>47.98 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffRB	38	0	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR											Current	52.38 dB	41.54 dB	40.43 dB	22.59 dBm	43.79 dB	43.65 dB	47.62 dB				Average	52.44 dB	41.74 dB	40.93 dB	22.55 dBm	43.92 dB	43.86 dB	47.98 dB			
Det. Alloc.	NoRB	12 OffRB	38	0	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																																			
ACLR																																													
Current	52.38 dB	41.54 dB	40.43 dB	22.59 dBm	43.79 dB	43.65 dB	47.62 dB																																						
Average	52.44 dB	41.74 dB	40.93 dB	22.55 dBm	43.92 dB	43.86 dB	47.98 dB																																						
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max																																													
16QAM	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>38</th><th>0</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Current</td><td>49.79 dB</td><td>49.56 dB</td><td>44.93 dB</td><td>22.55 dBm</td><td>38.19 dB</td><td>38.97 dB</td><td>52.40 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>48.98 dB</td><td>49.88 dB</td><td>45.04 dB</td><td>22.52 dBm</td><td>39.00 dB</td><td>39.78 dB</td><td>52.54 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffRB	38	0	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR											Current	49.79 dB	49.56 dB	44.93 dB	22.55 dBm	38.19 dB	38.97 dB	52.40 dB				Average	48.98 dB	49.88 dB	45.04 dB	22.52 dBm	39.00 dB	39.78 dB	52.54 dB			
Det. Alloc.	NoRB	12 OffRB	38	0	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																																			
ACLR																																													
Current	49.79 dB	49.56 dB	44.93 dB	22.55 dBm	38.19 dB	38.97 dB	52.40 dB																																						
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Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0																																													
16QAM	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>50 OffRB</th><th>38</th><th>0</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Current</td><td>47.64 dB</td><td>41.01 dB</td><td>39.54 dB</td><td>21.50 dBm</td><td>38.71 dB</td><td>40.09 dB</td><td>47.13 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>47.93 dB</td><td>41.26 dB</td><td>39.76 dB</td><td>21.41 dBm</td><td>38.90 dB</td><td>40.36 dB</td><td>47.17 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	50 OffRB	38	0	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR											Current	47.64 dB	41.01 dB	39.54 dB	21.50 dBm	38.71 dB	40.09 dB	47.13 dB				Average	47.93 dB	41.26 dB	39.76 dB	21.41 dBm	38.90 dB	40.36 dB	47.17 dB			
Det. Alloc.	NoRB	50 OffRB	38	0	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																																			
ACLR																																													
Current	47.64 dB	41.01 dB	39.54 dB	21.50 dBm	38.71 dB	40.09 dB	47.13 dB																																						
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Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0																																													

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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	 <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_FullRB#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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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)

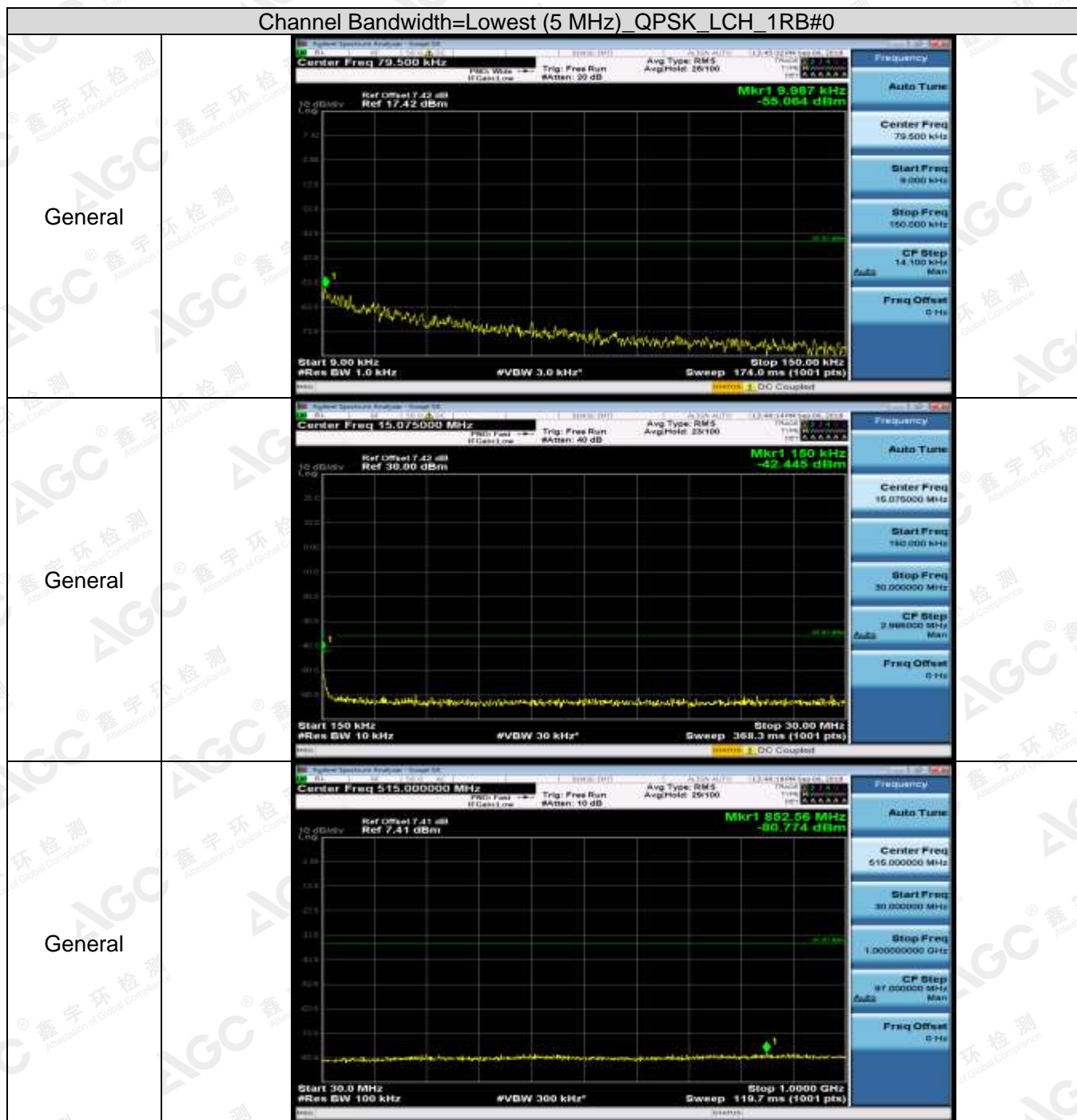
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

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Test Graphs

NTNV

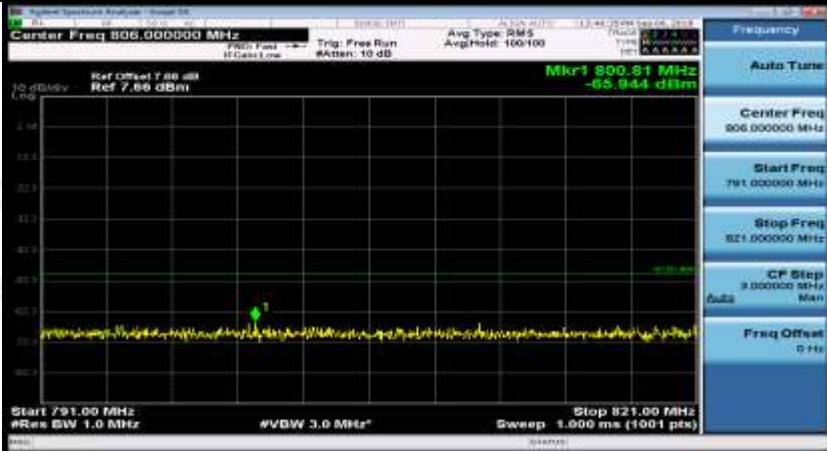
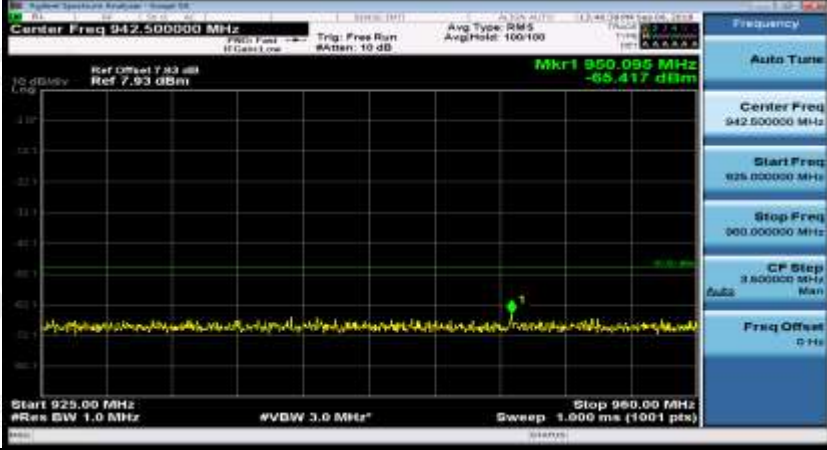
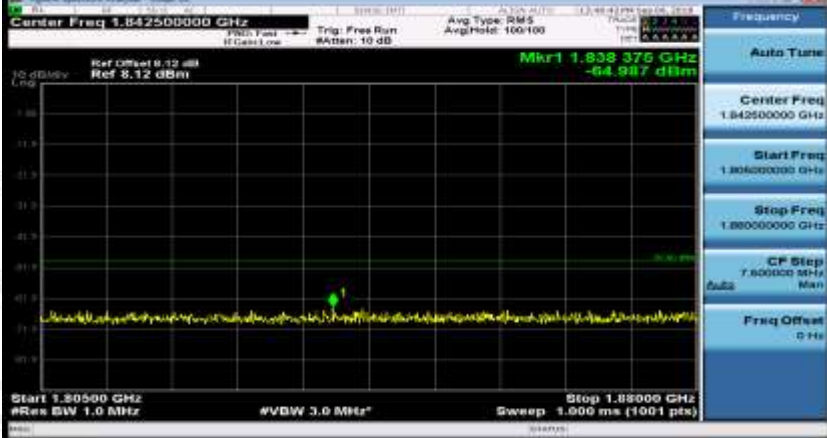
Channel Bandwidth=Lowest (5 MHz)



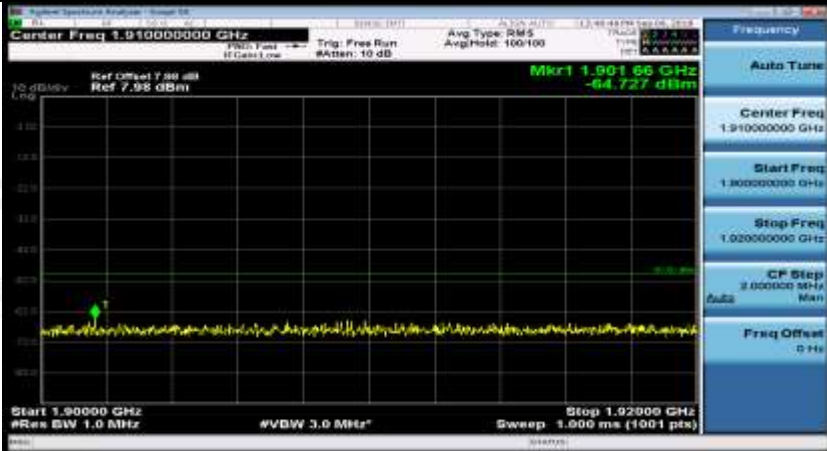
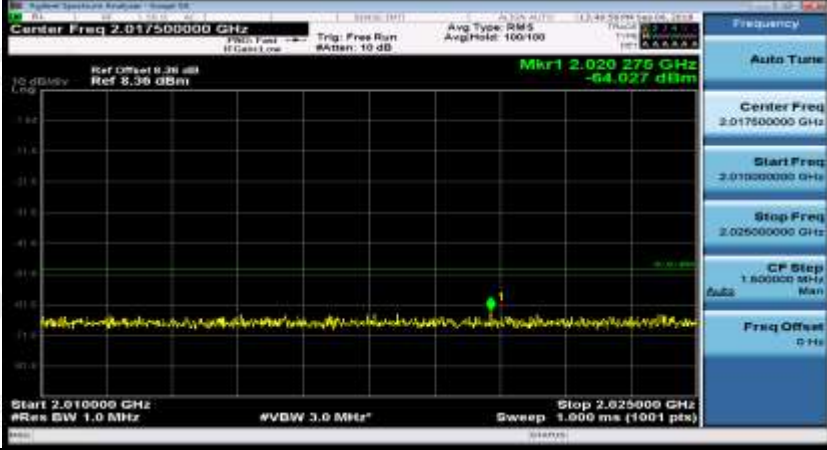
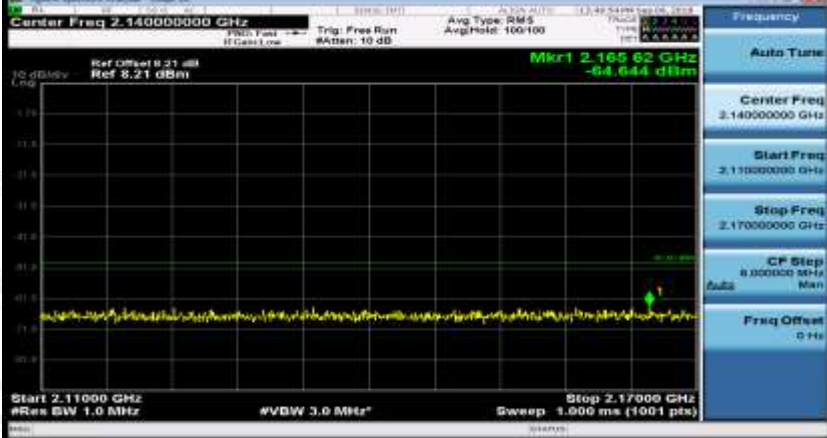
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General			
General			
General			

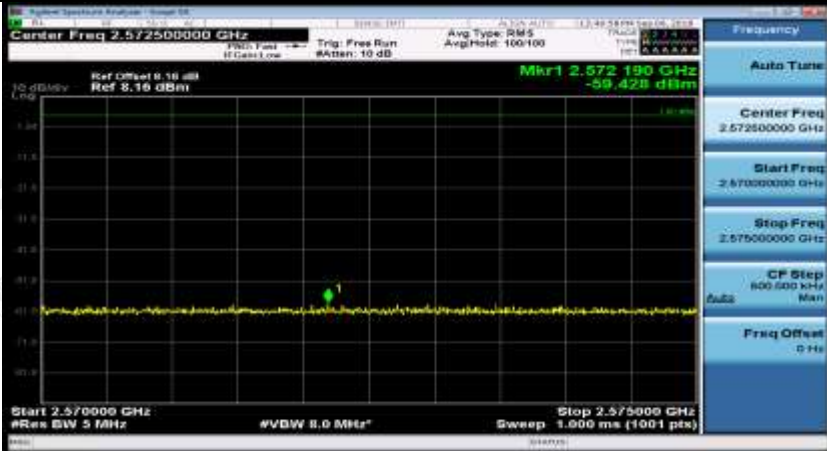
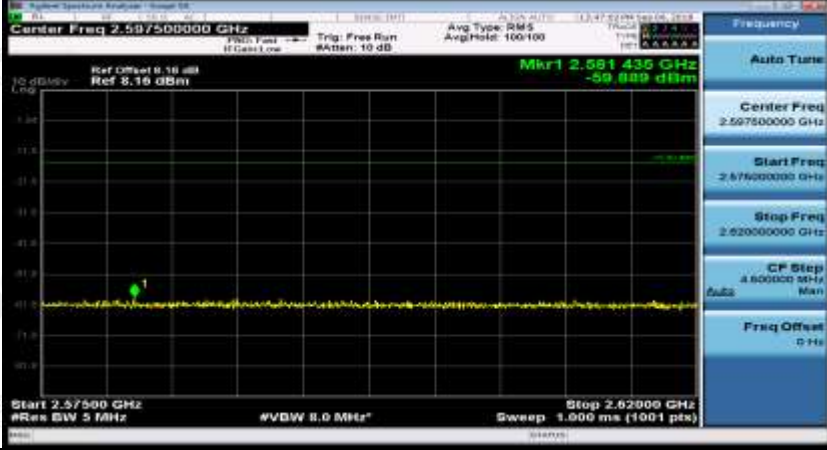
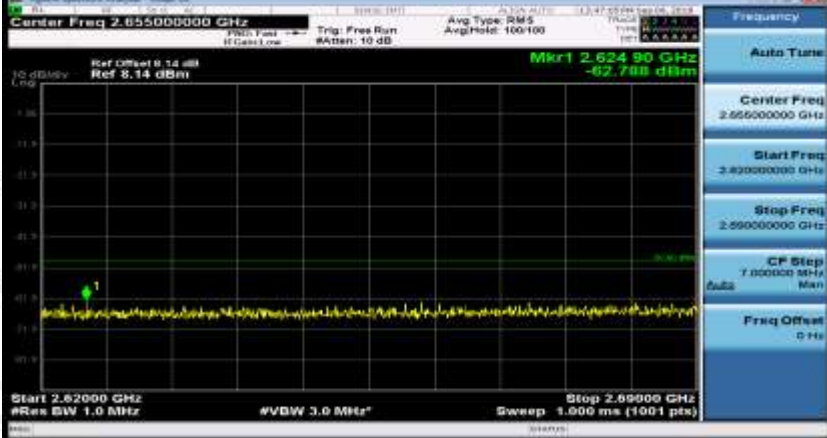
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Co-existence	
Co-existence	
Co-existence	


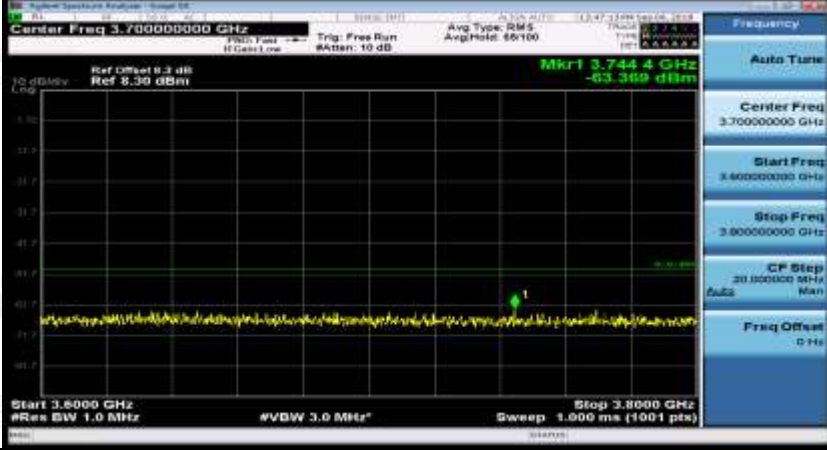
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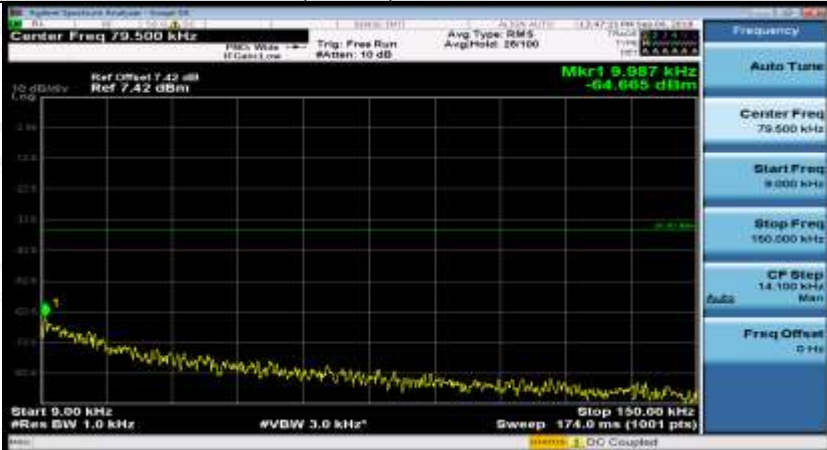
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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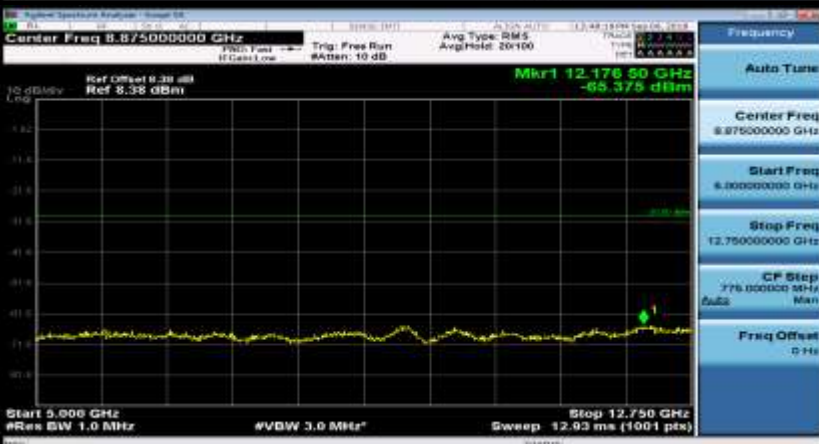
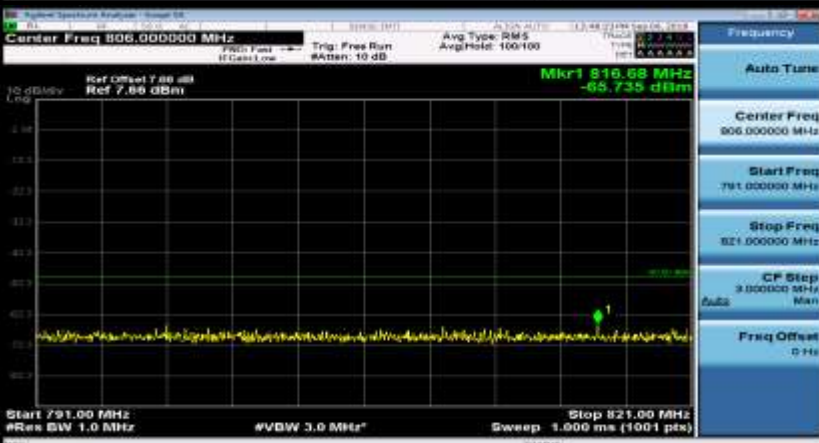
Co-existence	
Co-existence	
Additional	NA

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

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General			
General			
General			

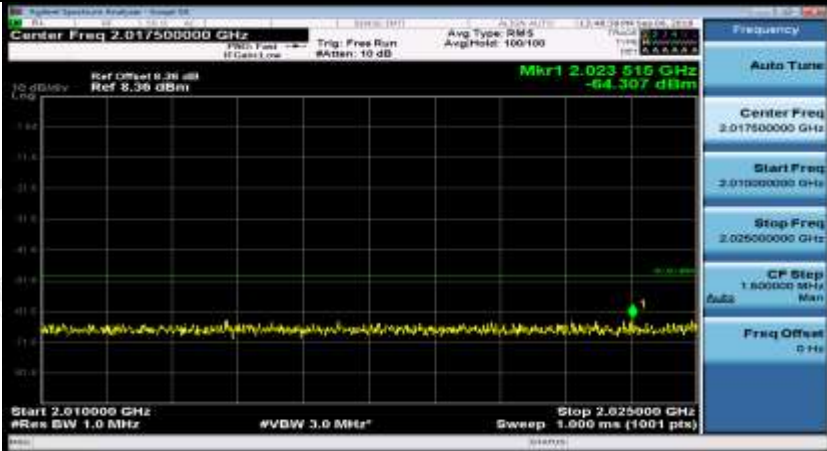
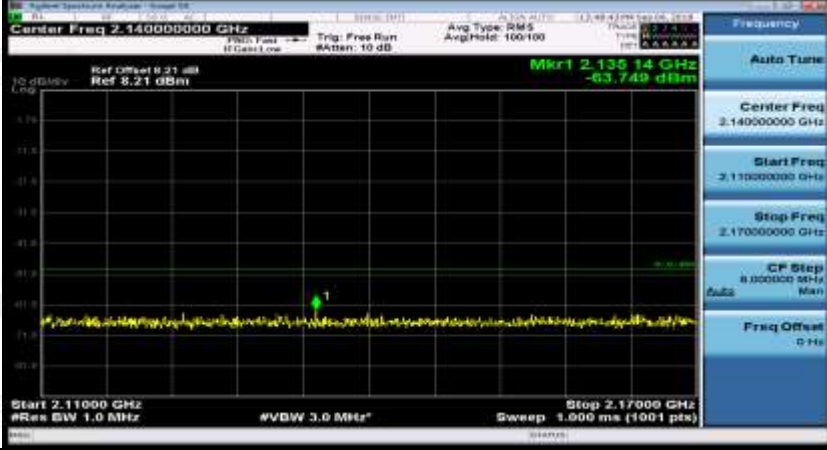
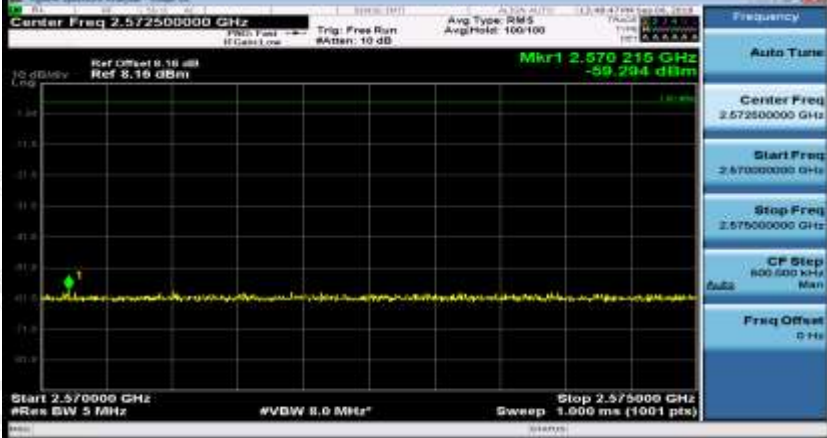
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General			
General			
Co-existence			

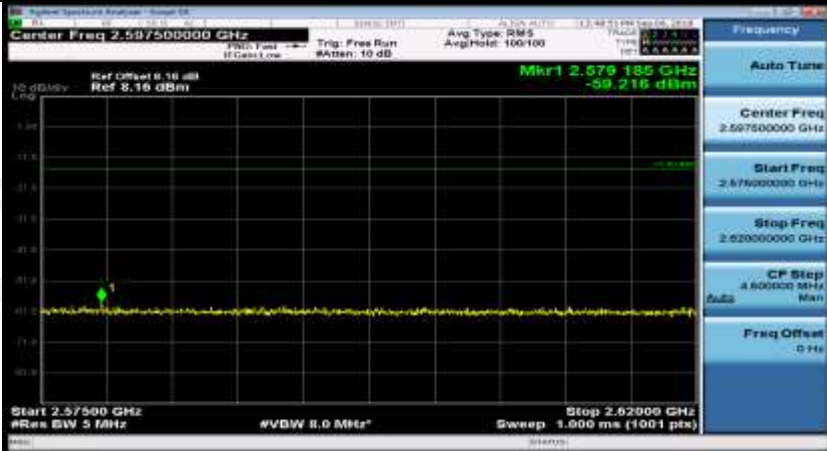
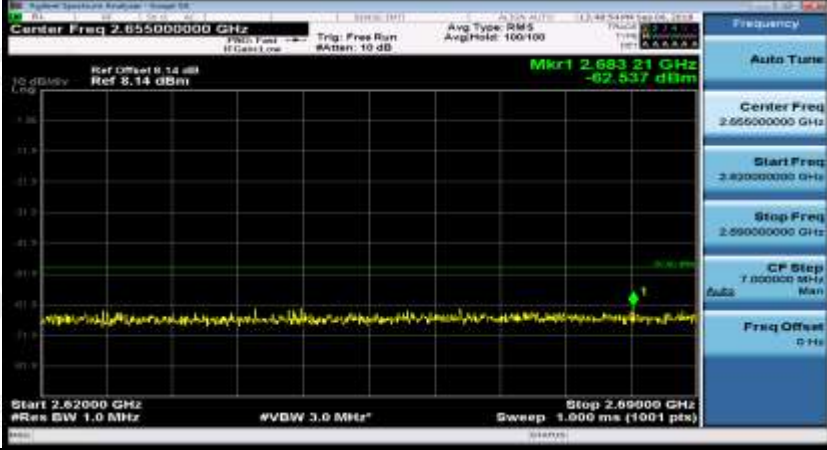
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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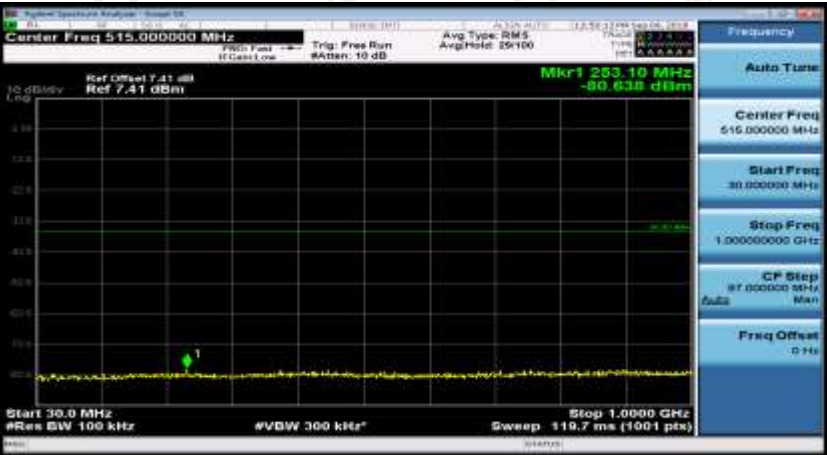
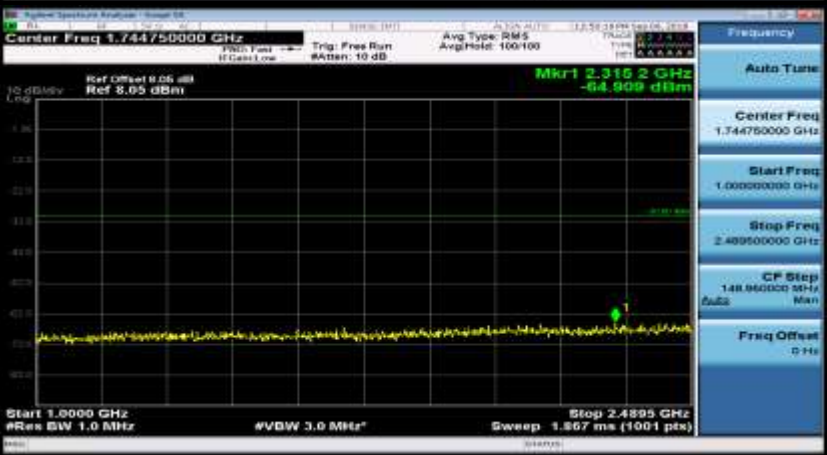

Co-existence		
Co-existence		
Co-existence		

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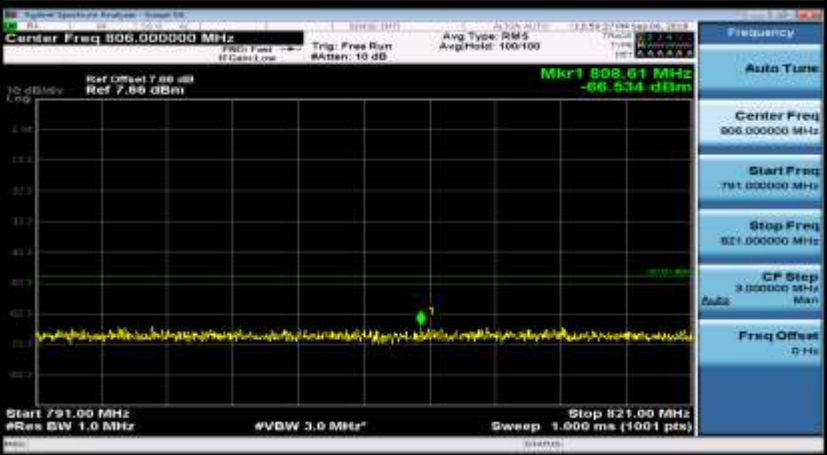
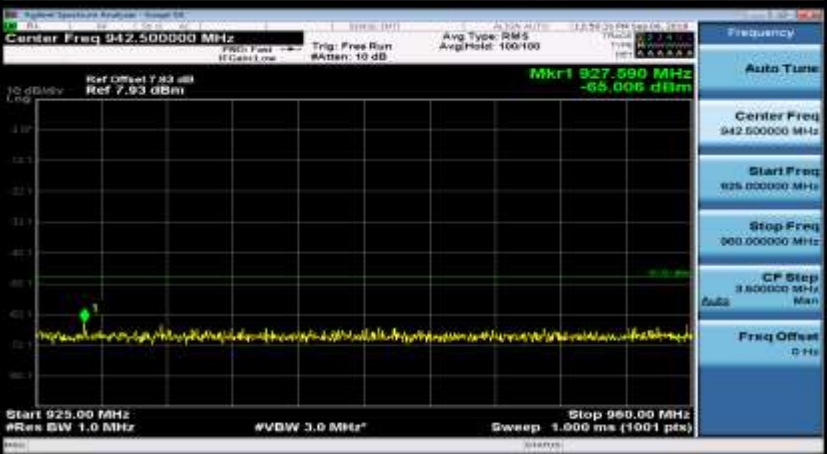
Co-existence	
Additional	NA

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

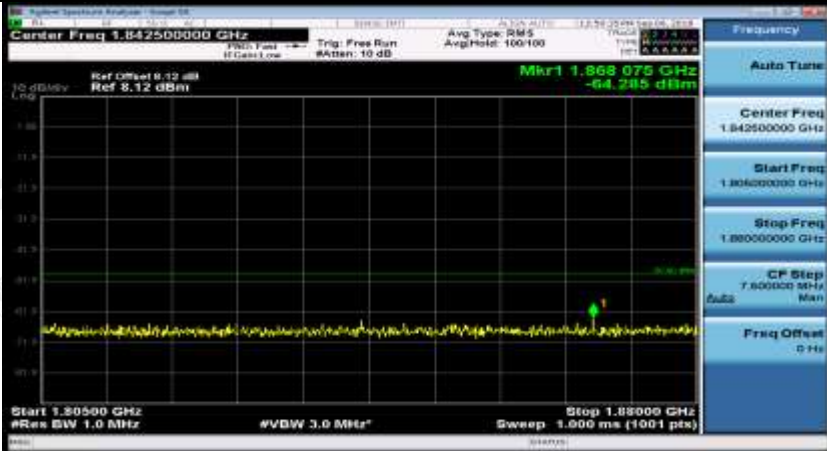
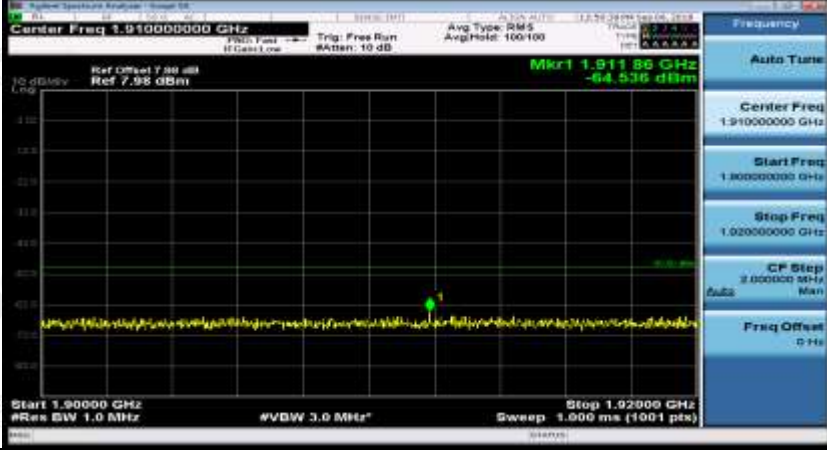
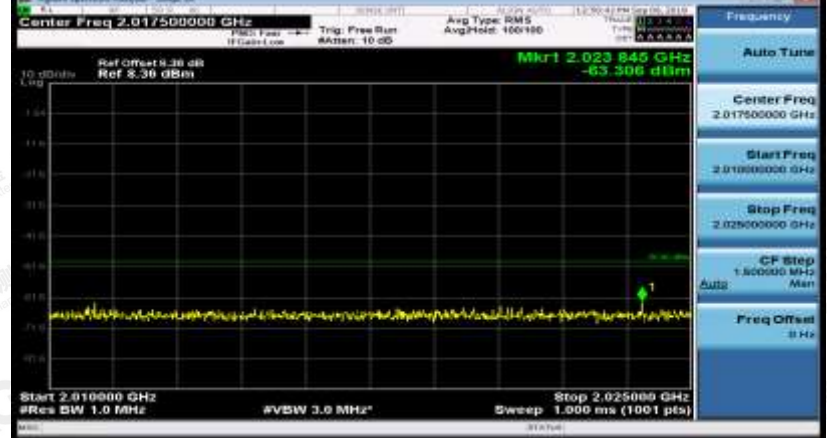
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General		
General		
General		

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General		
Co-existence		
Co-existence		

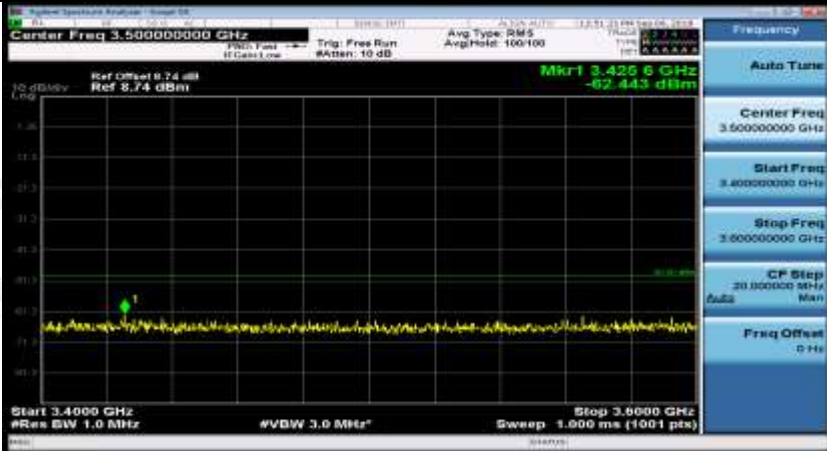
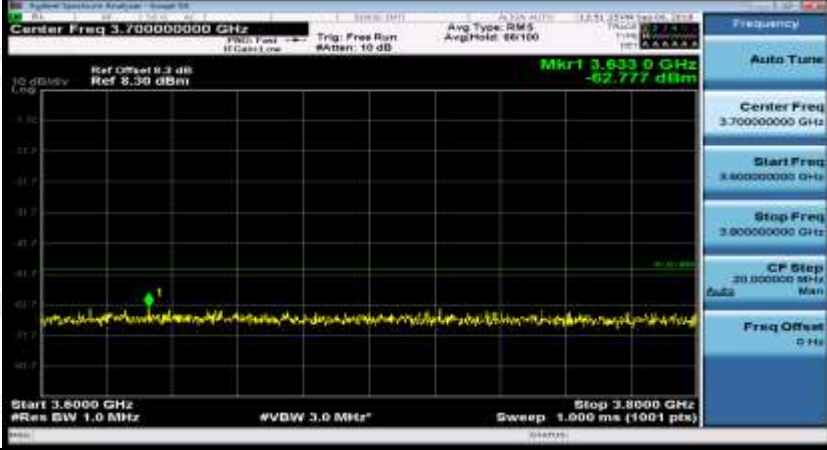
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Co-existence	
Co-existence	
Co-existence	

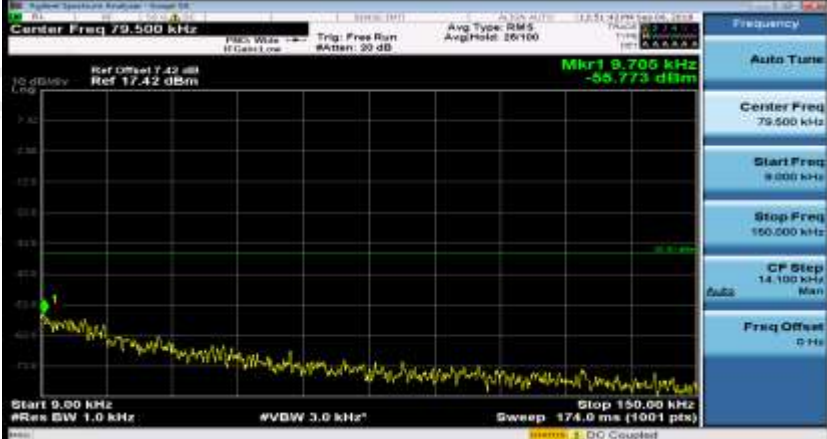
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Co-existence	
Co-existence	
Co-existence	

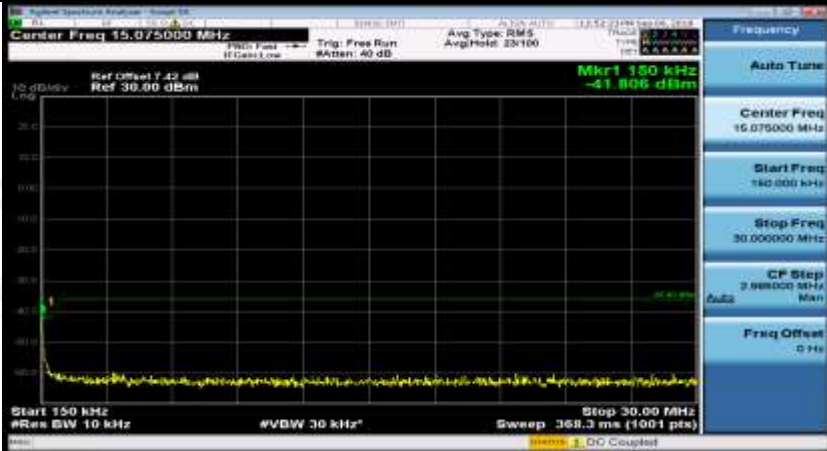
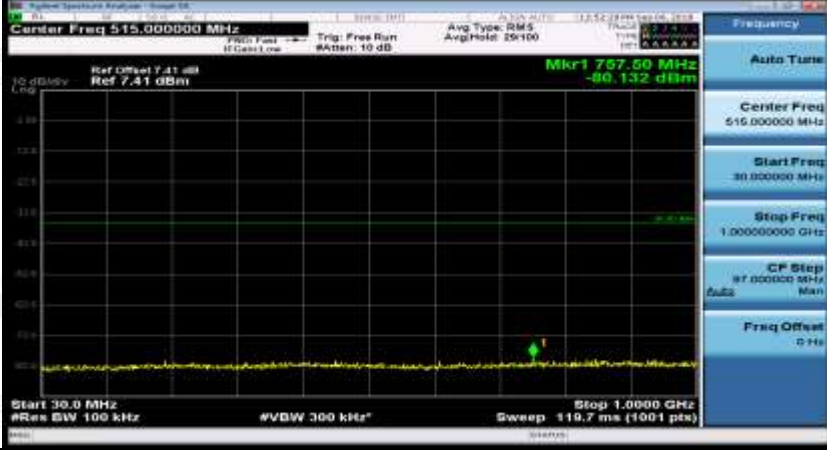
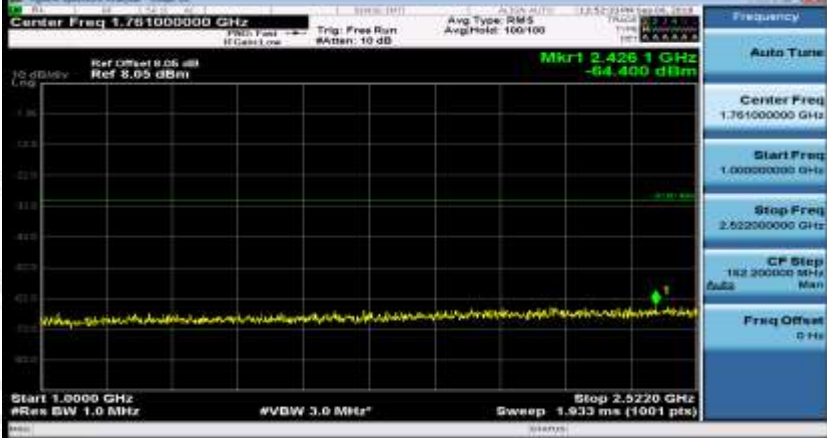
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Co-existence	
Co-existence	
Additional	NA



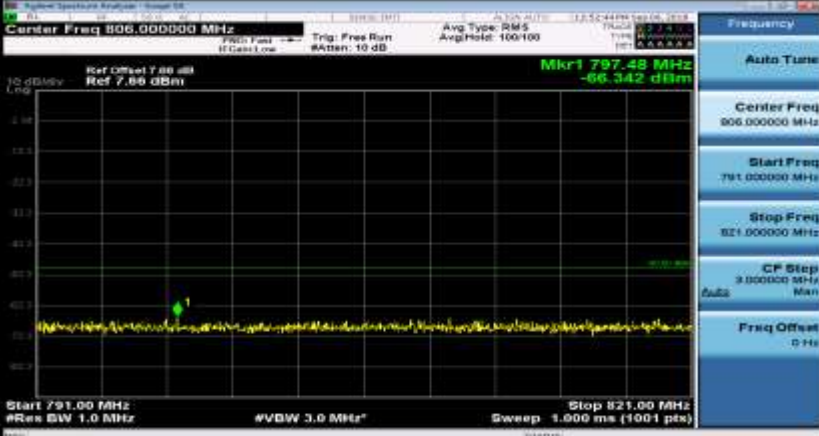
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0

General	
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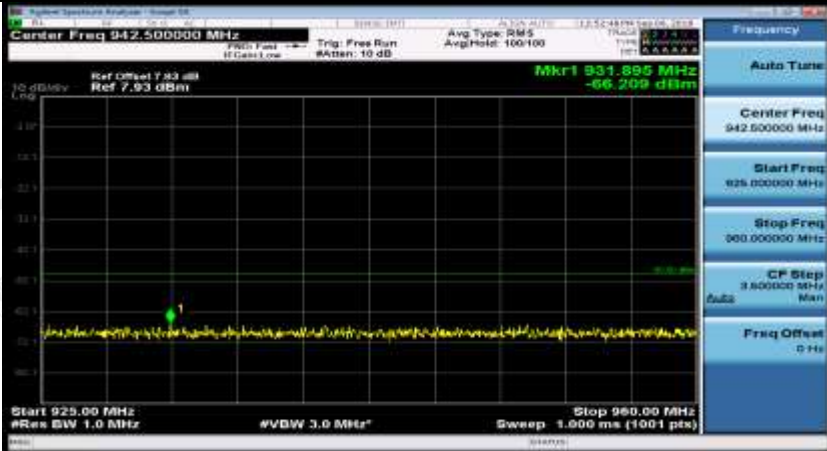
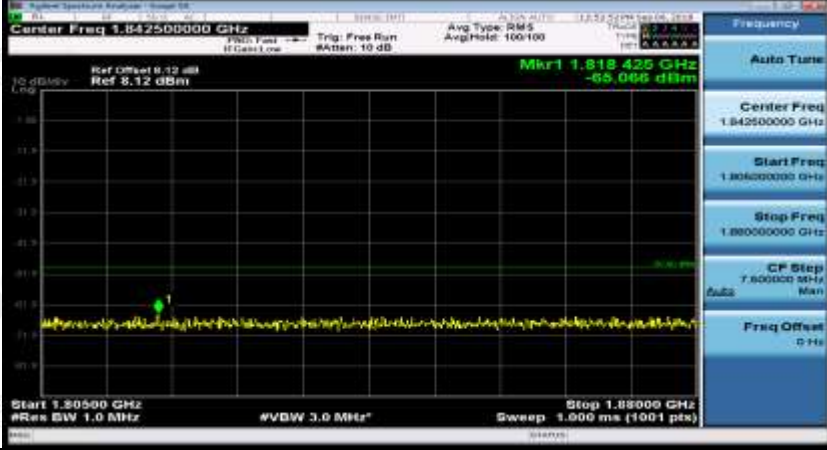
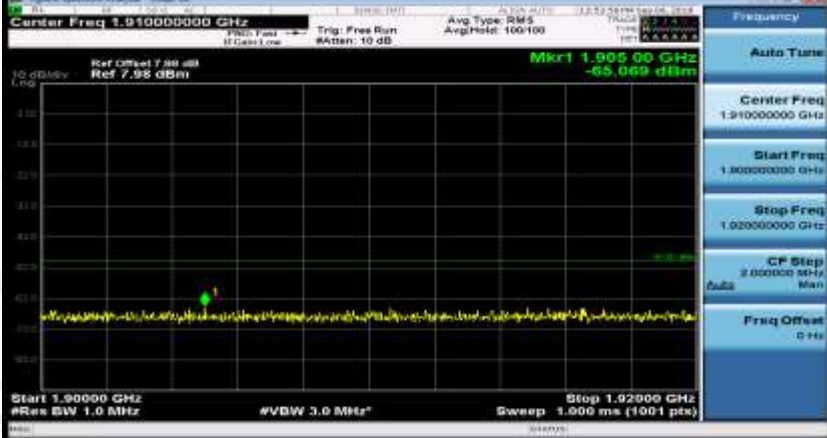
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General	
General	
General	

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General			
General			
Co-existence			

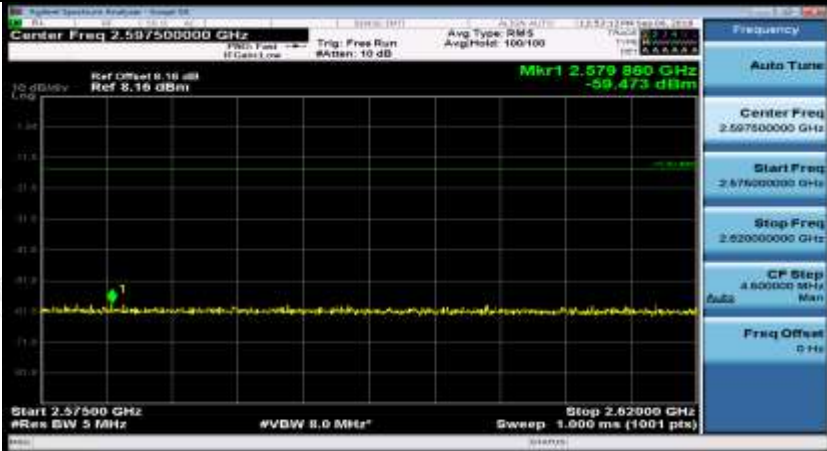
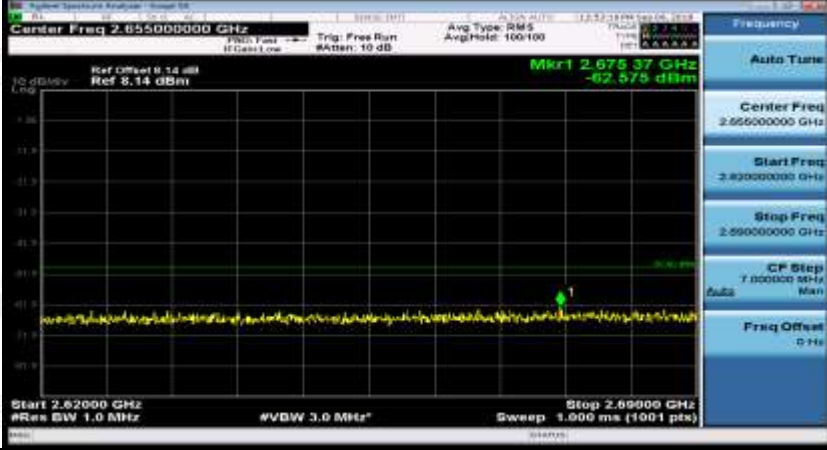
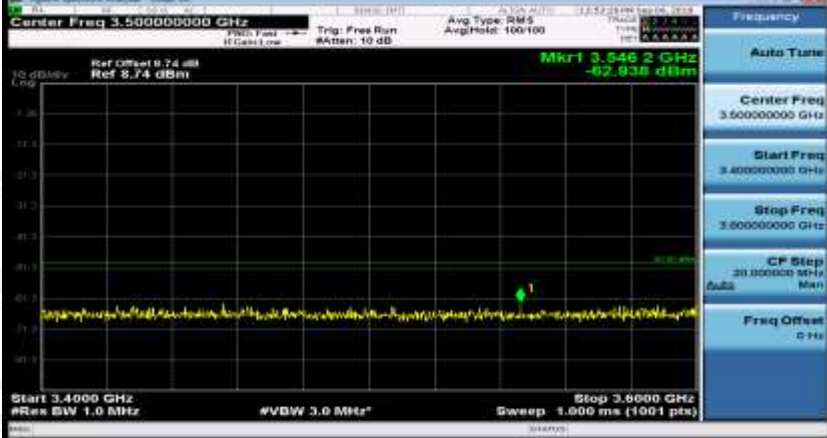
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Co-existence	
Co-existence	
Co-existence	

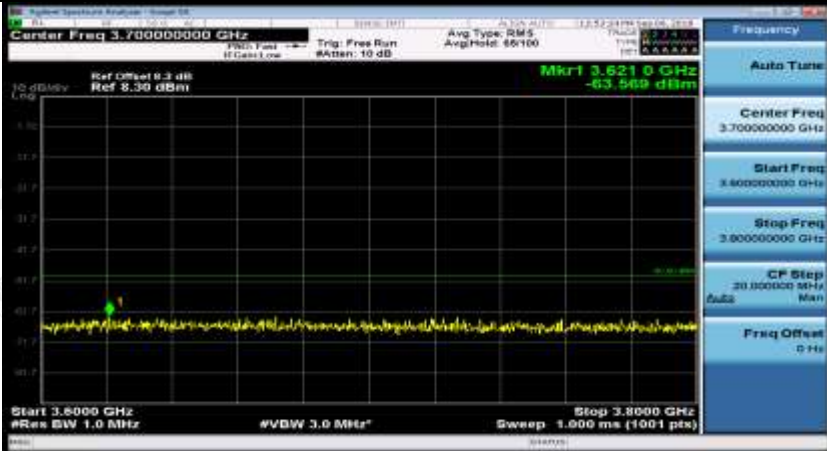
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	

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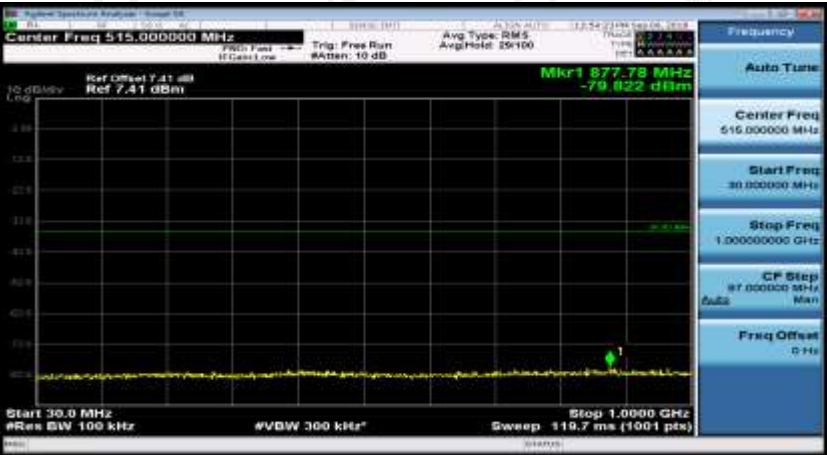
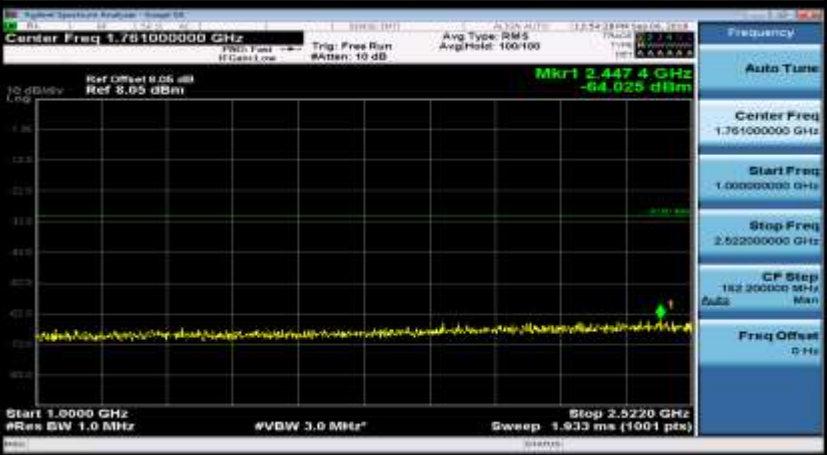
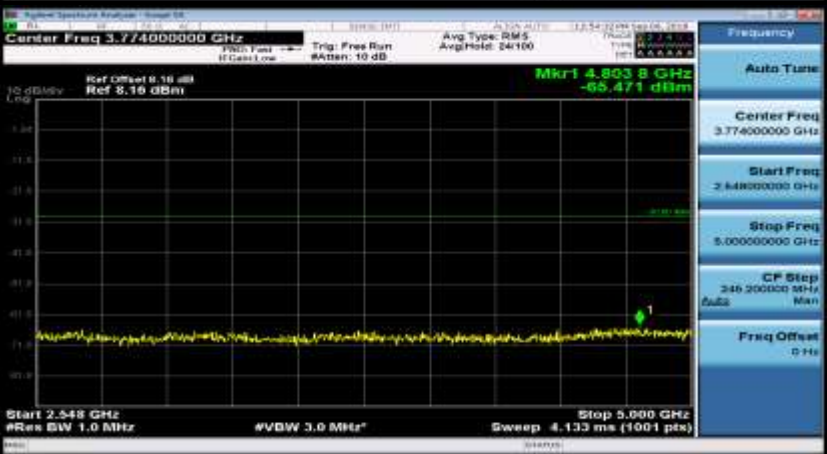
Co-existence		
Co-existence		
Co-existence		

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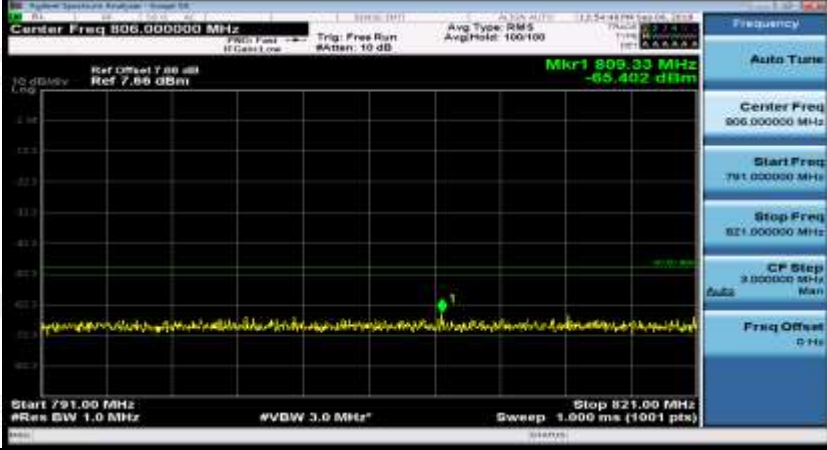
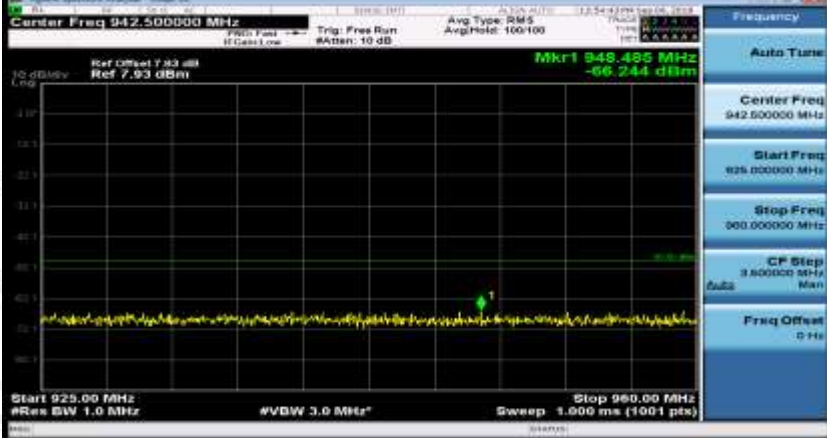
Co-existence	
Additional	NA

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

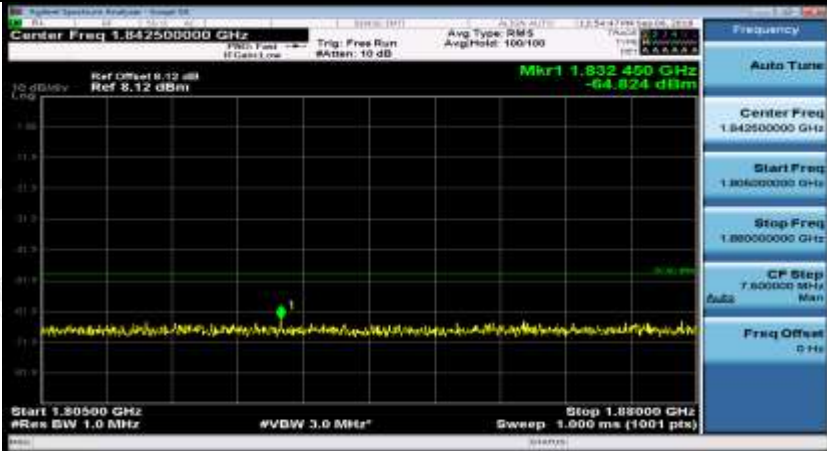
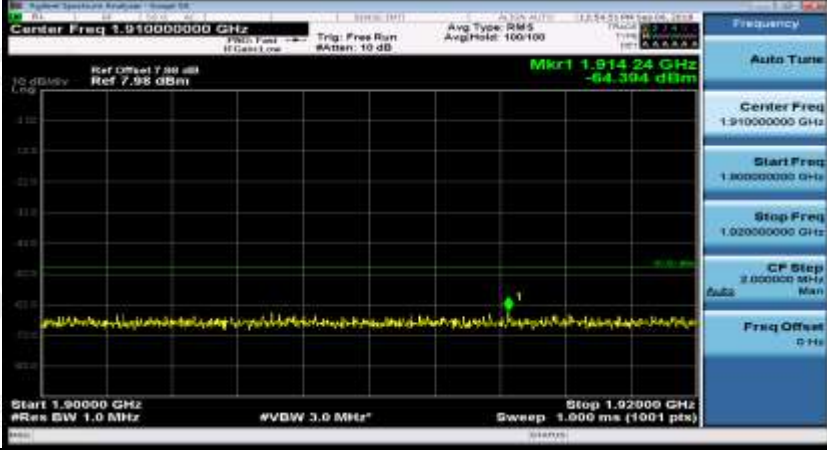
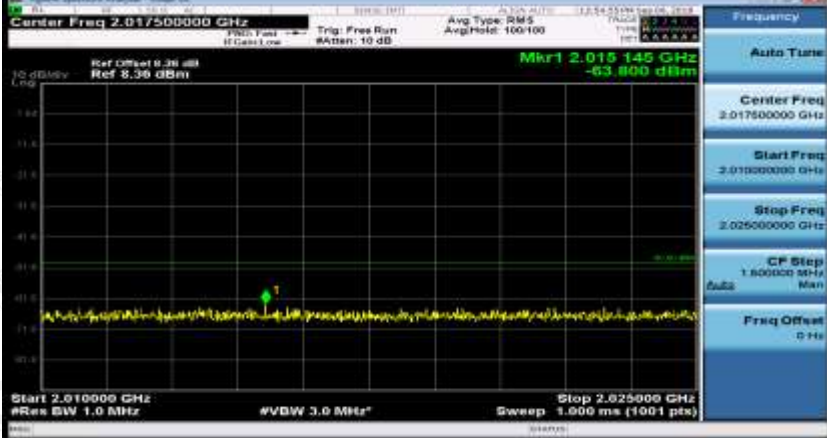
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General		
General		
General		

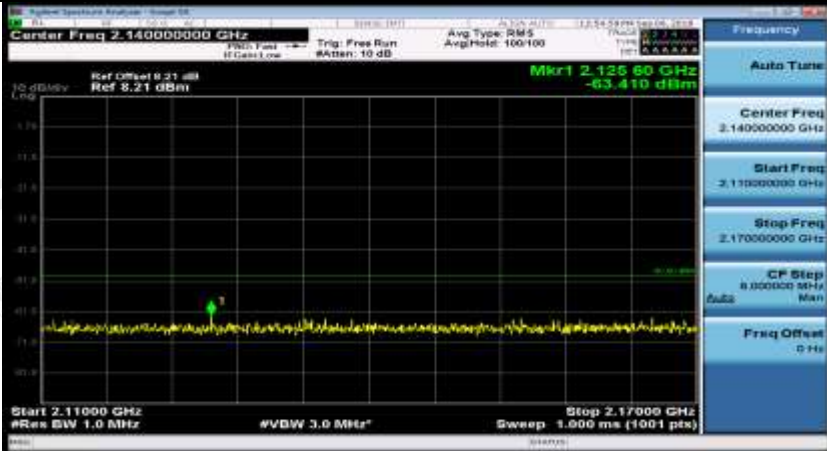
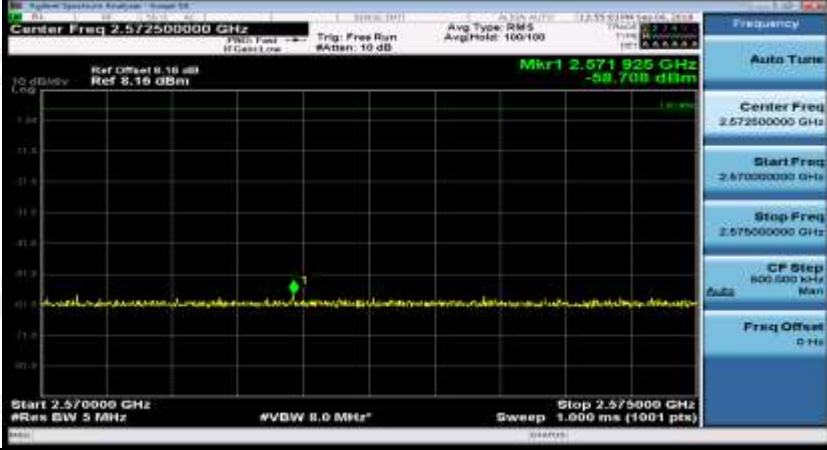
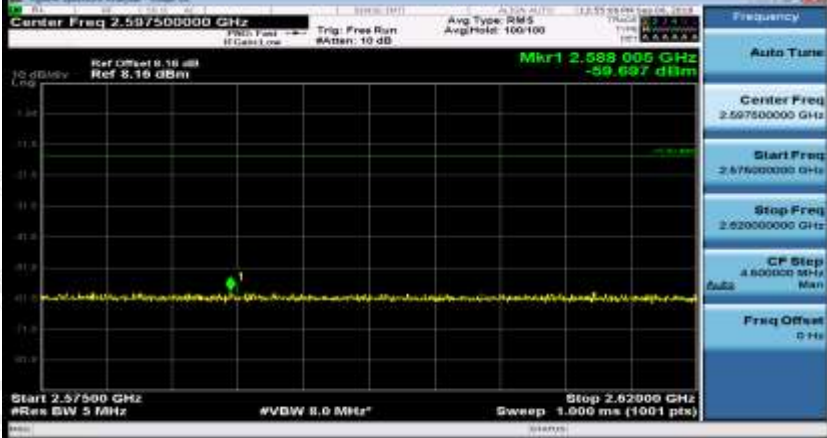
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General	
Co-existence	
Co-existence	

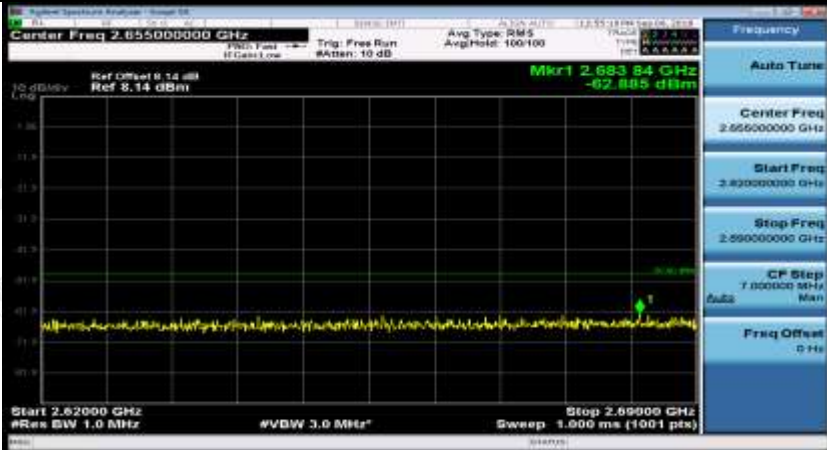
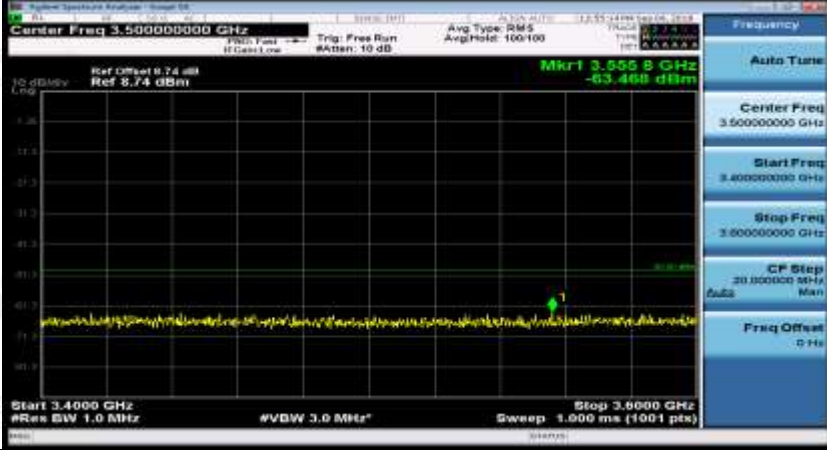
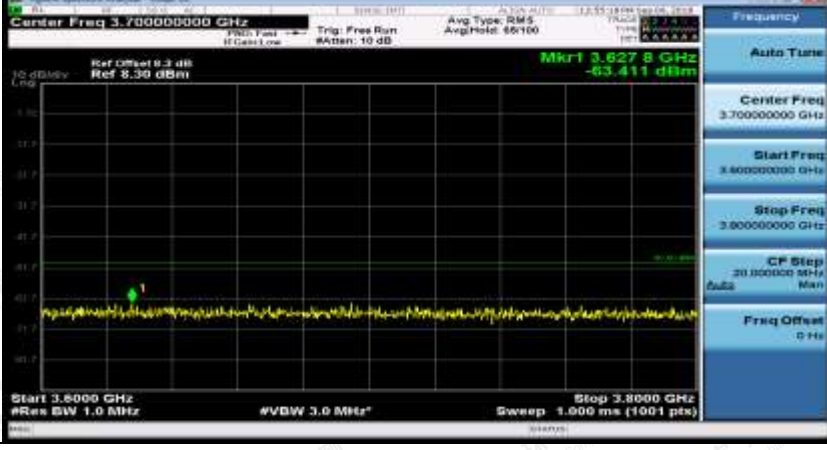
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence		
Co-existence		
Co-existence		

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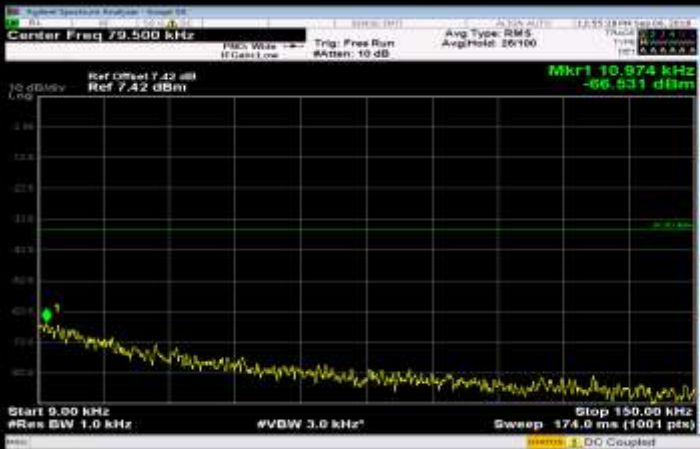
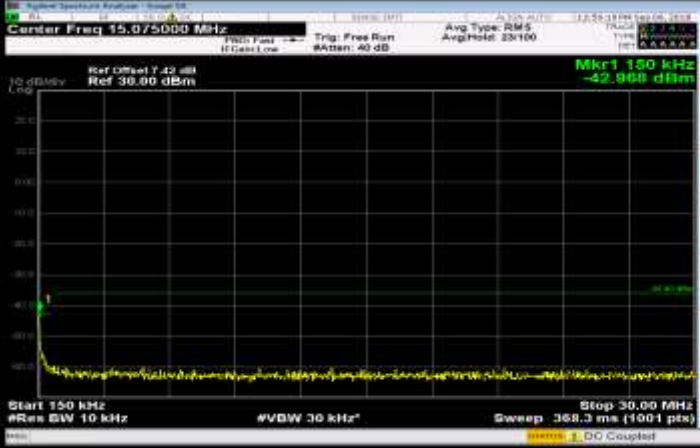
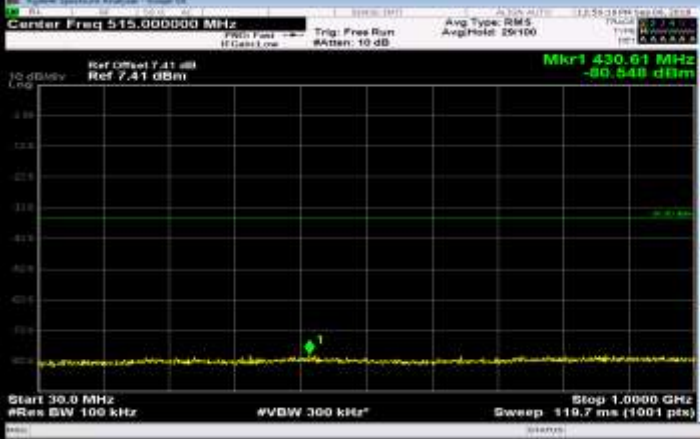
Co-existence	
Co-existence	
Co-existence	

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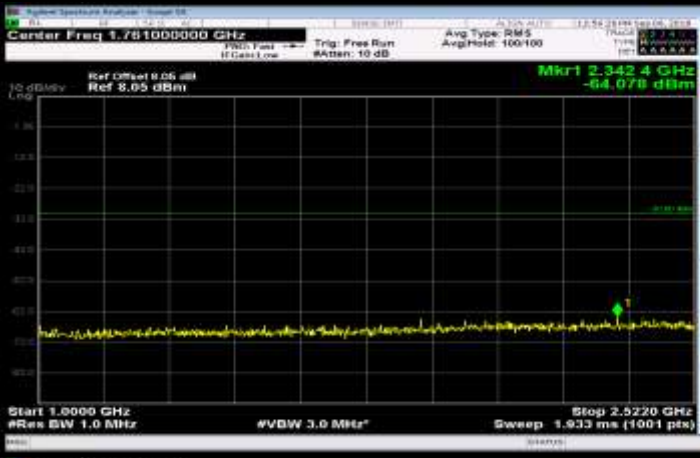
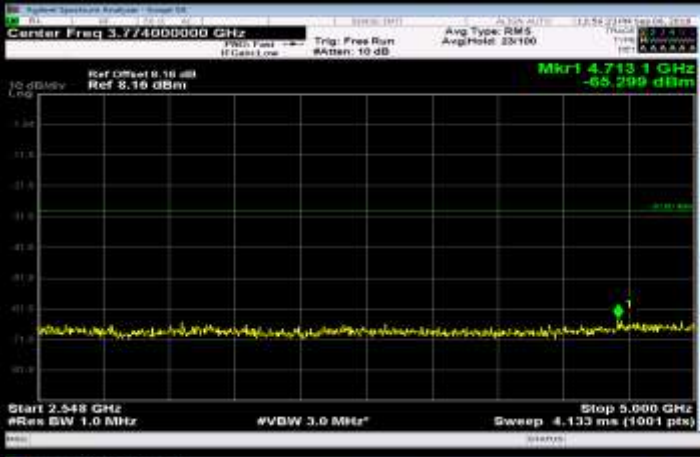

Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0

General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 79.500 kHz</p> <p>Start Freq 9.000 kHz</p> <p>Stop Freq 150.000 kHz</p> <p>CF Step 14.100 kHz Man</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 15.075000 MHz</p> <p>Start Freq 150.000 kHz</p> <p>Stop Freq 30.000000 MHz</p> <p>CF Step 3.980000 MHz Man</p> <p>Freq Offset 0 Hz</p>
General		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Man</p> <p>Freq Offset 0 Hz</p>

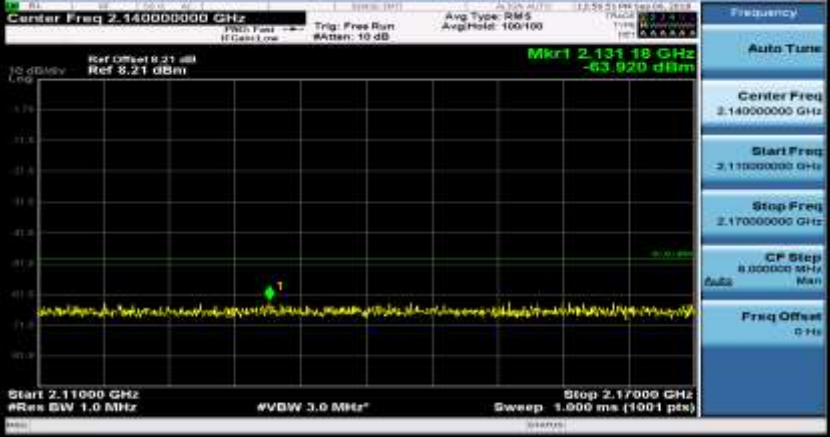
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General		
General		
General		

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Co-existence	
Co-existence	
Co-existence	

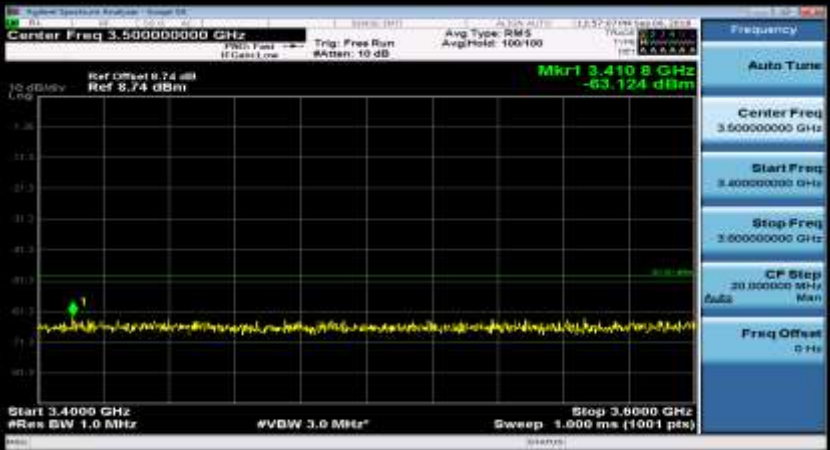
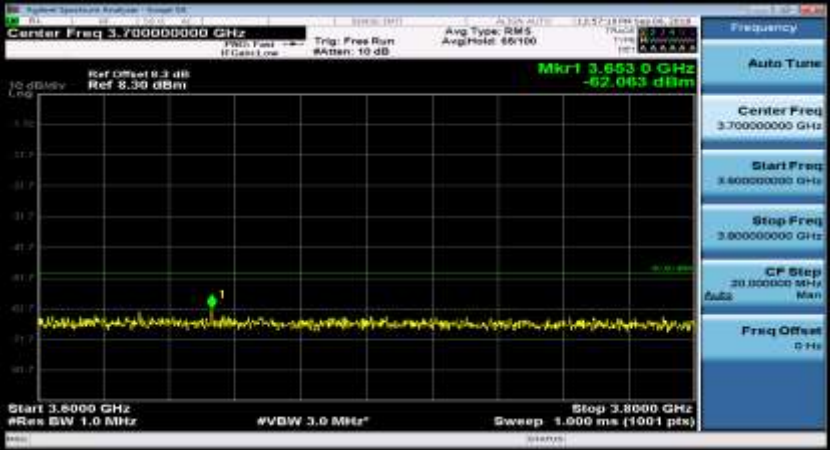
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Co-existence	
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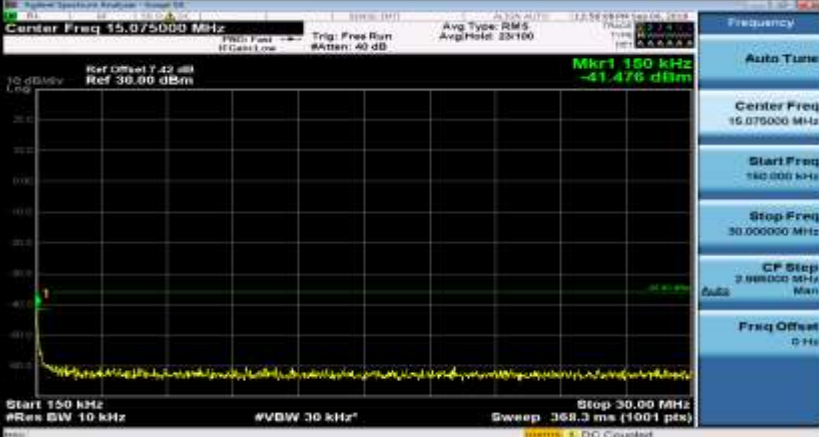
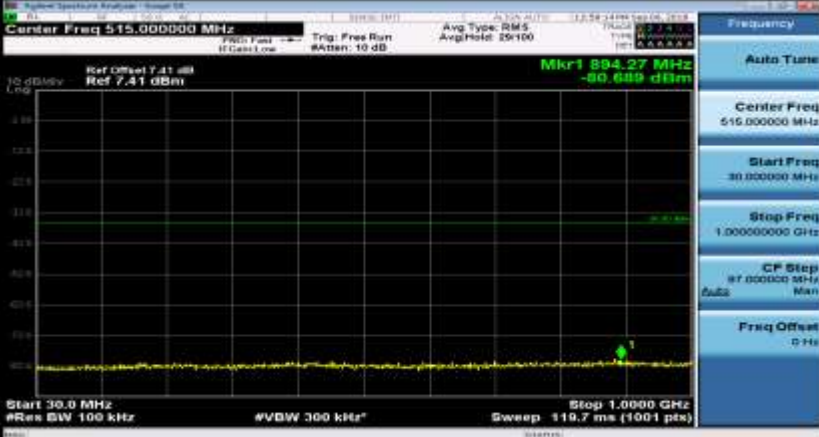
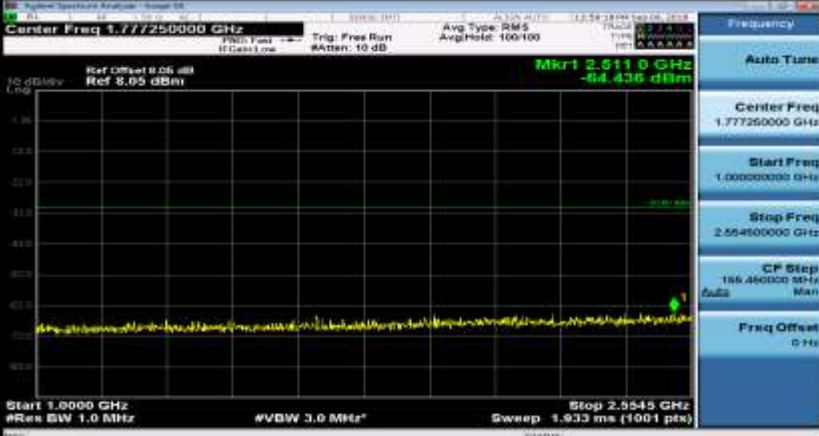
Co-existence			
Co-existence			
Co-existence			

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Co-existence	
Co-existence	
Additional	NA

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

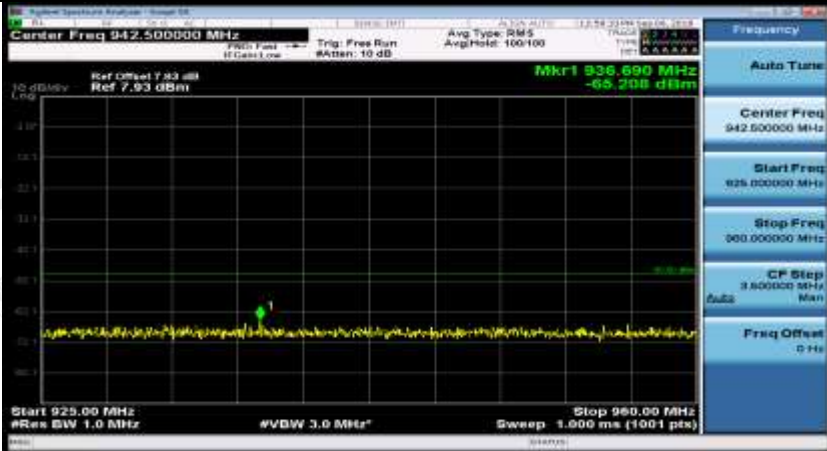
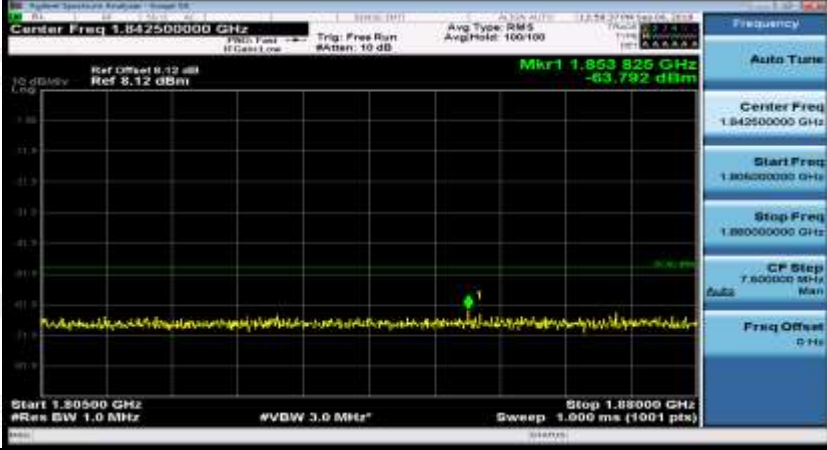
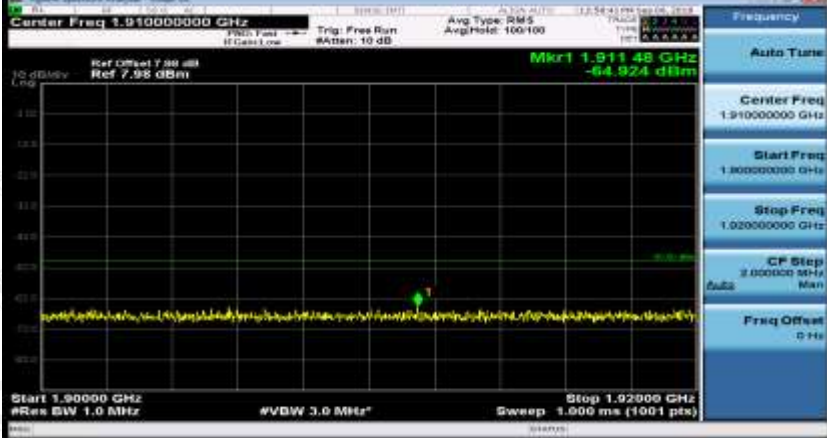
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General			
General			
General			

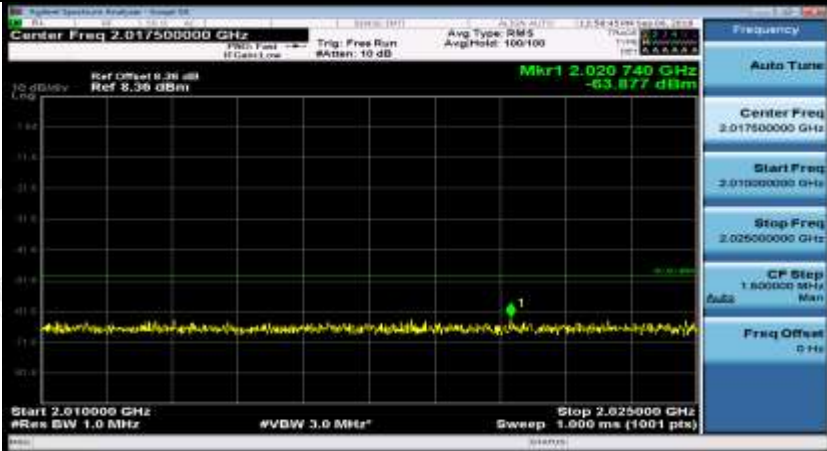
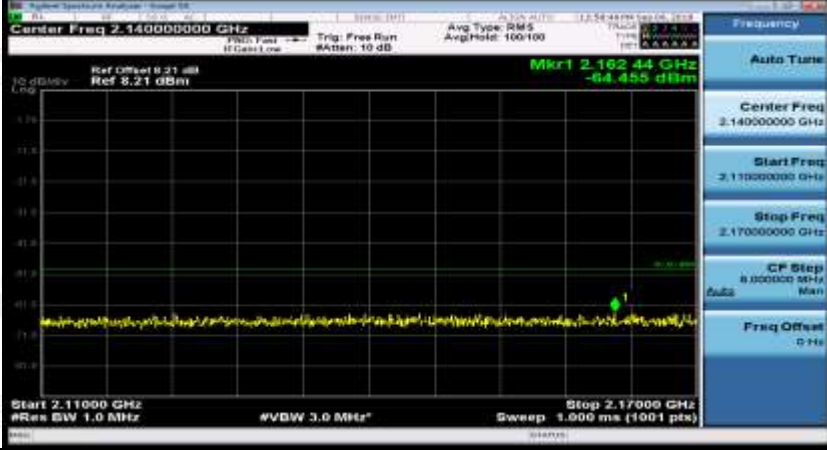
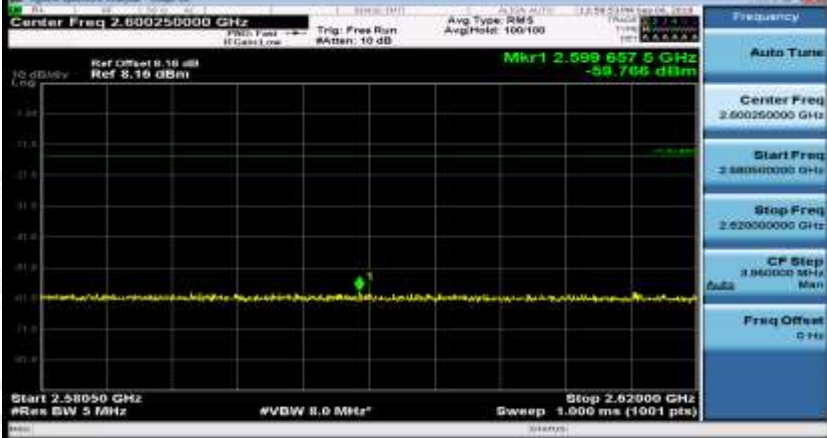
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General			
General			
Co-existence			

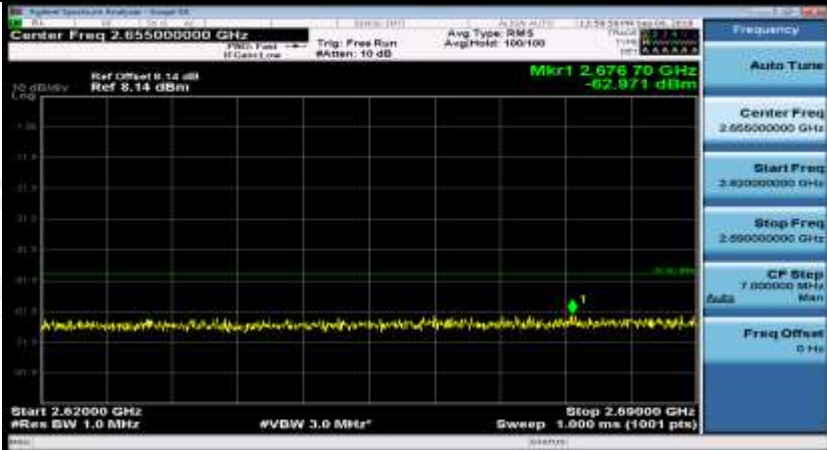
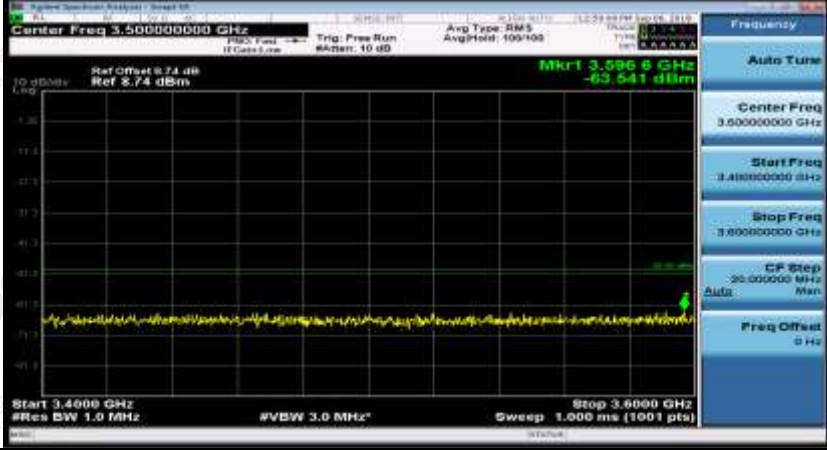
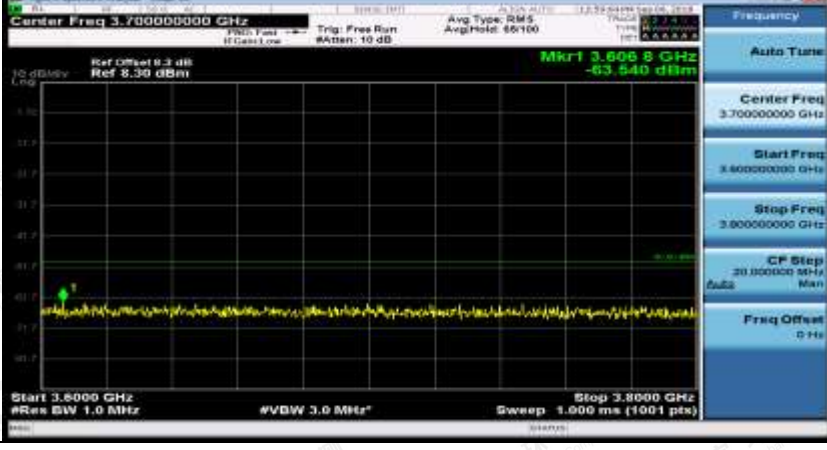
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Co-existence	
Co-existence	
Co-existence	



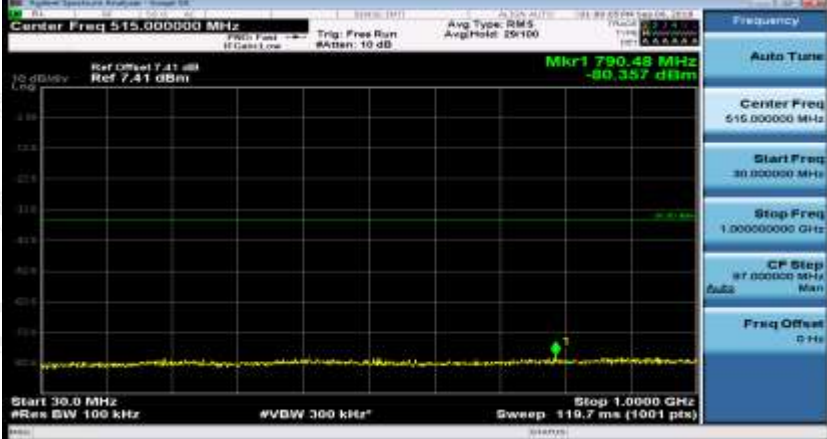
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Co-existence	
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Co-existence	

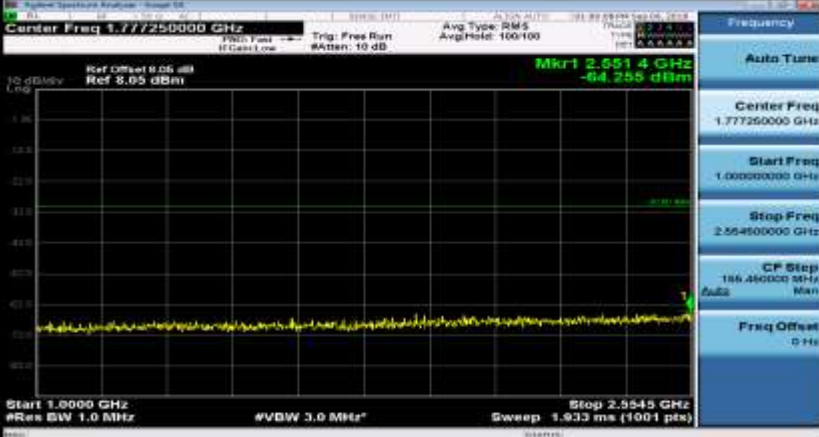


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Co-existence	
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Co-existence	
Additional	NA

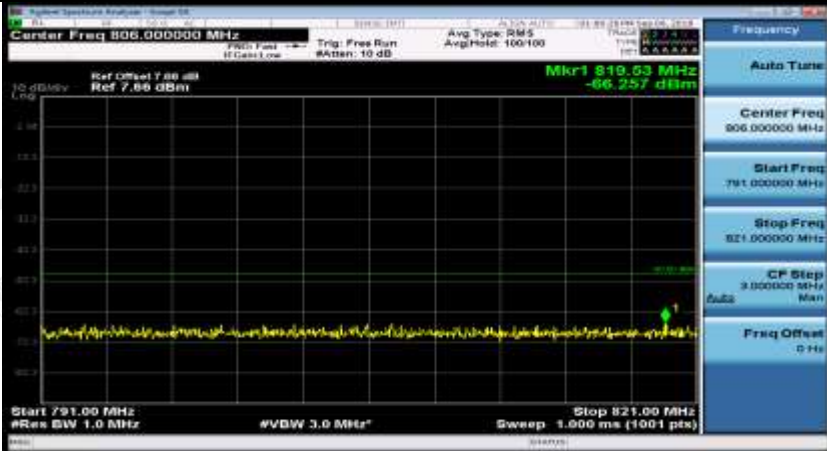
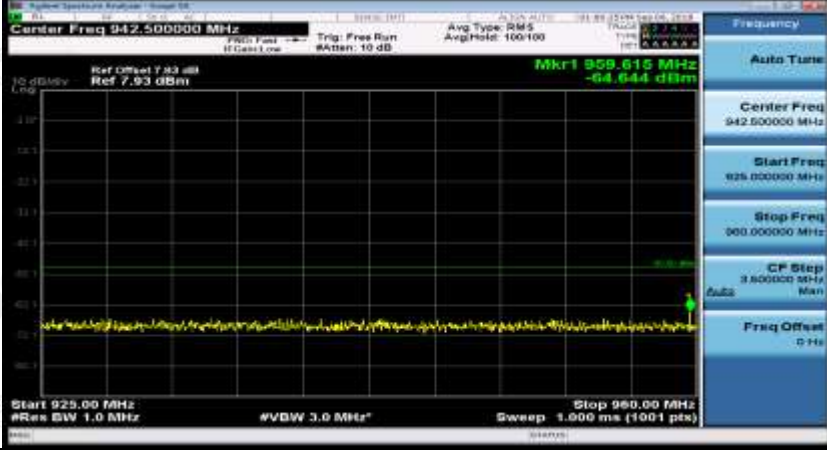
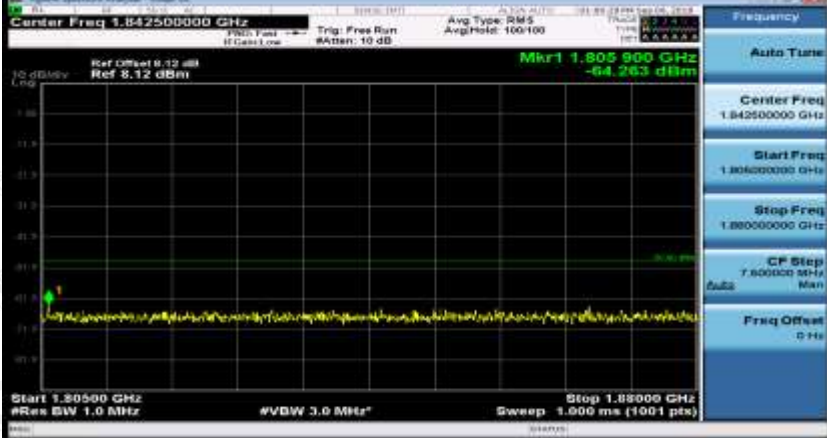
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Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	
General	
General	

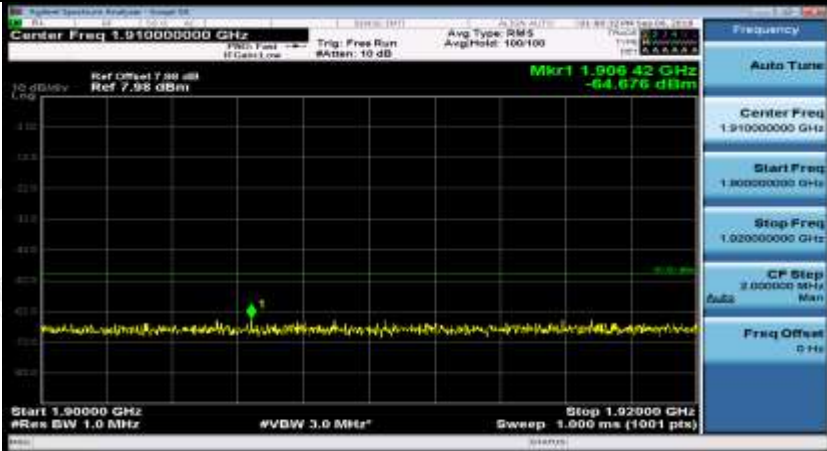
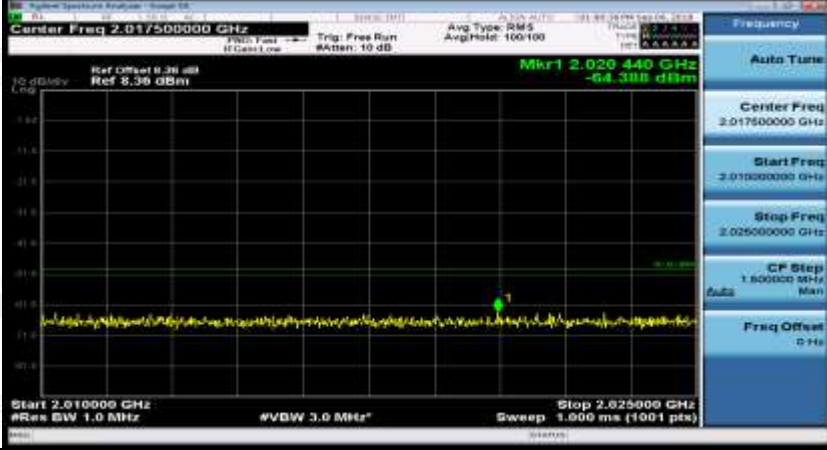
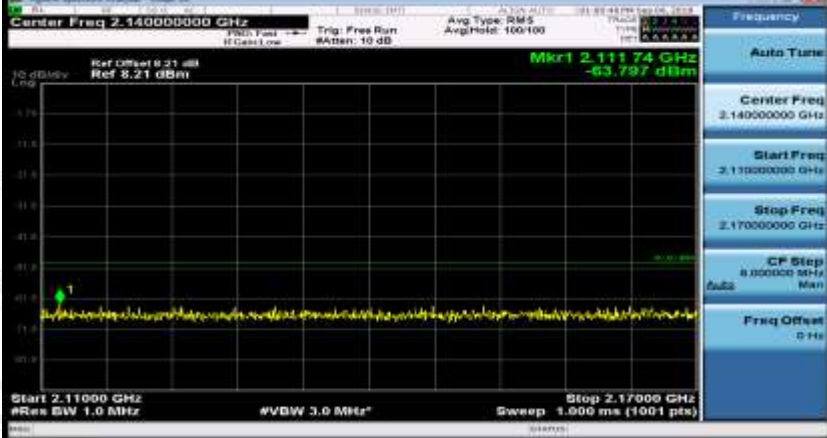
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General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

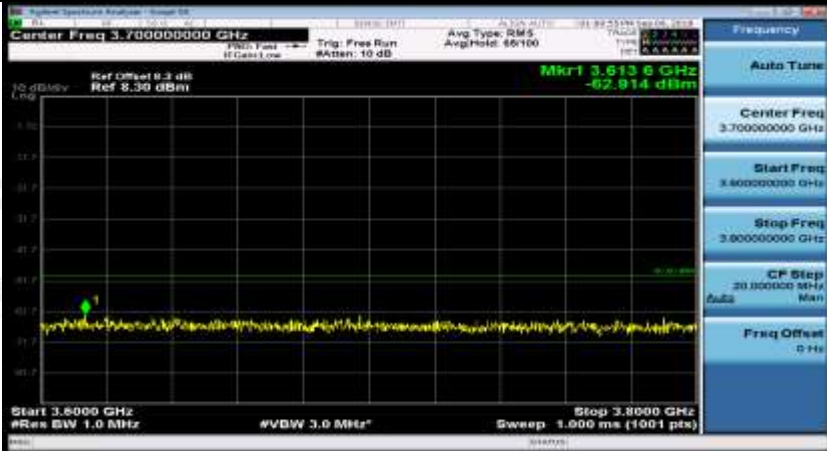
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Co-existence	
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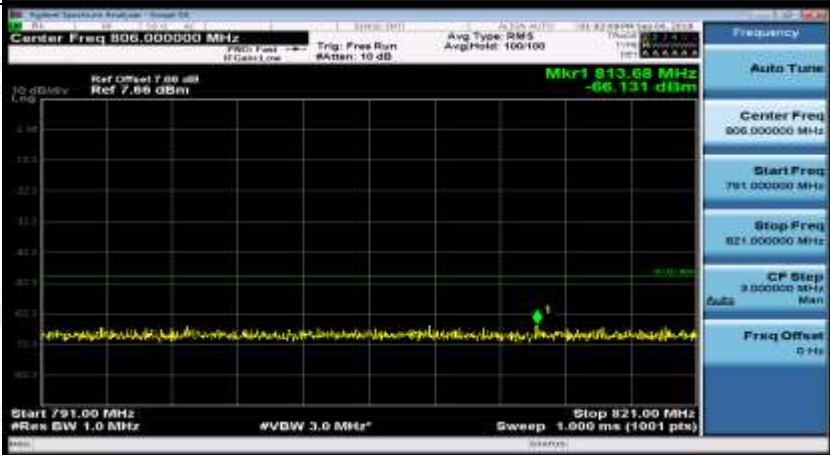
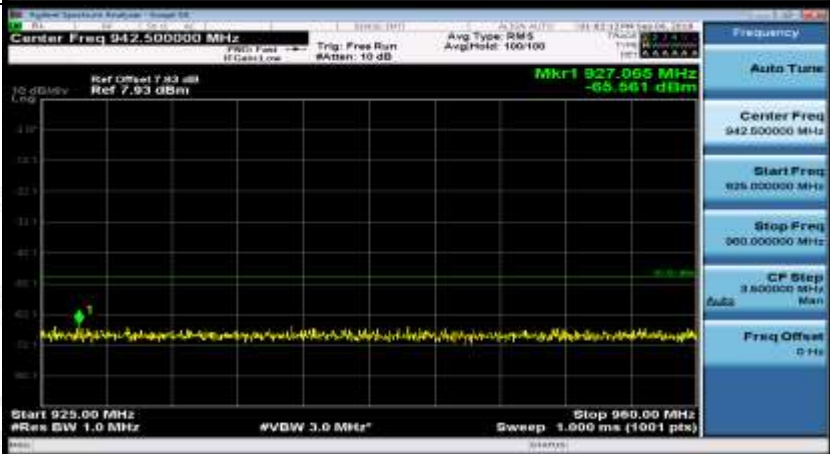
Co-existence	
Additional	NA

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

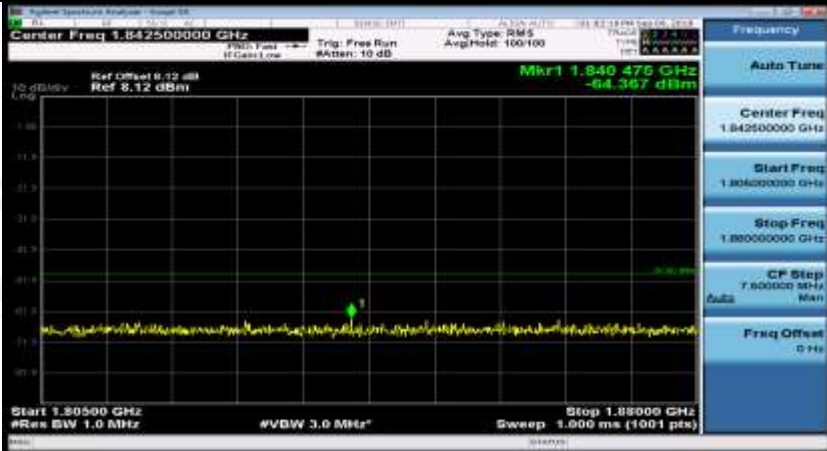
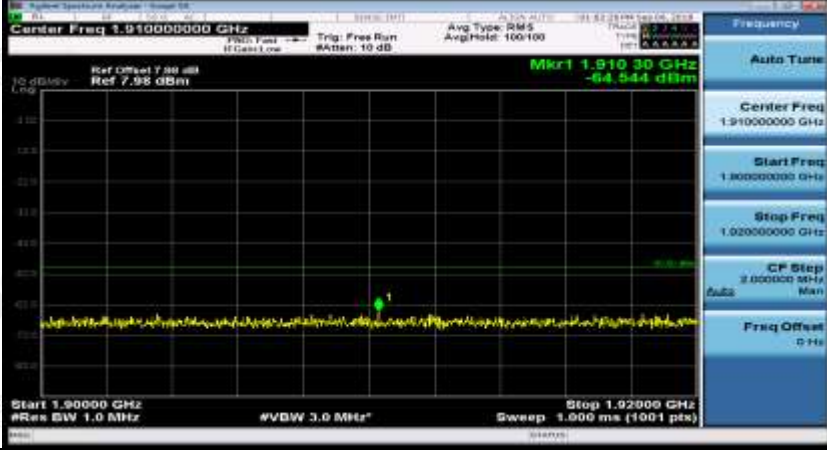
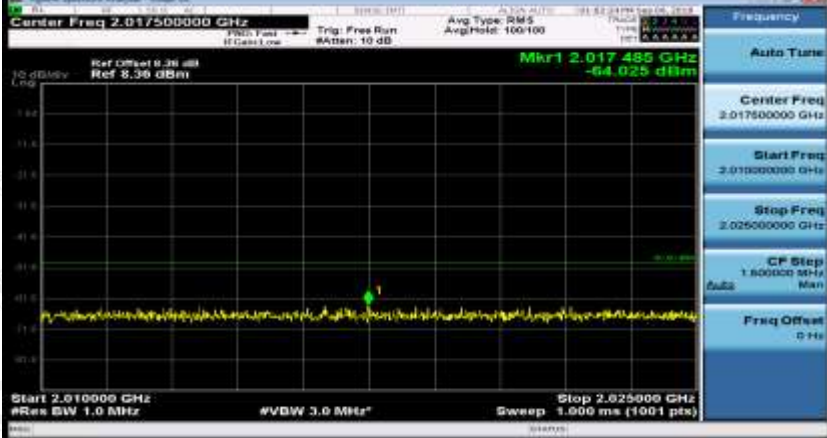
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General			
General			
General			

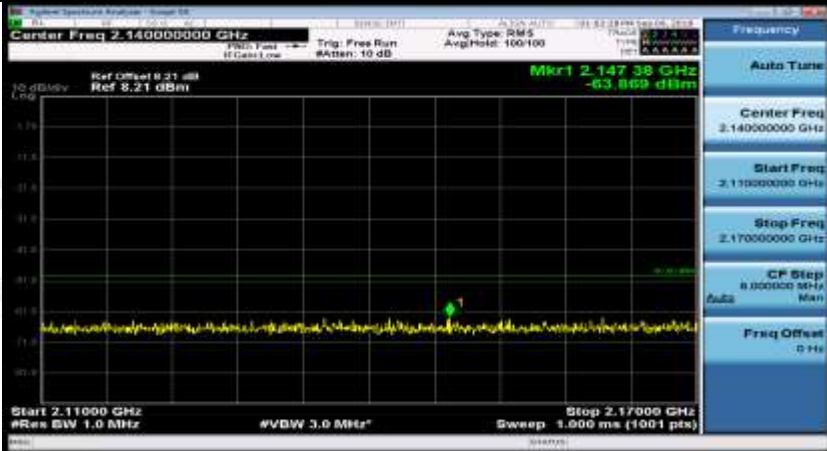
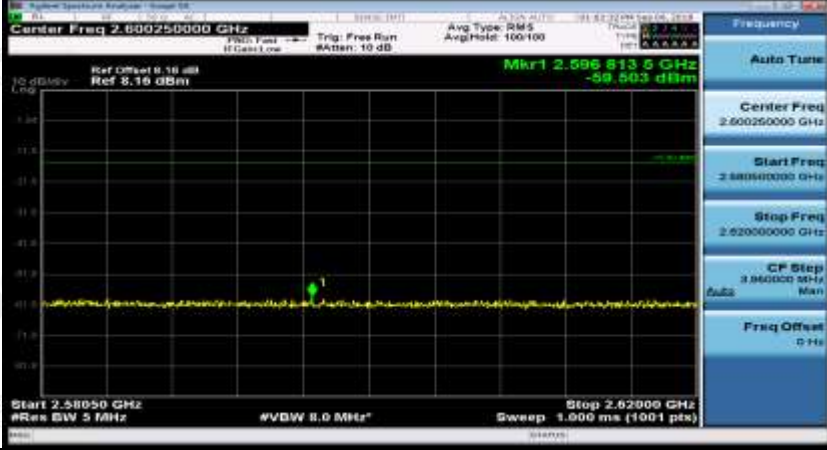
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General		
Co-existence		
Co-existence		

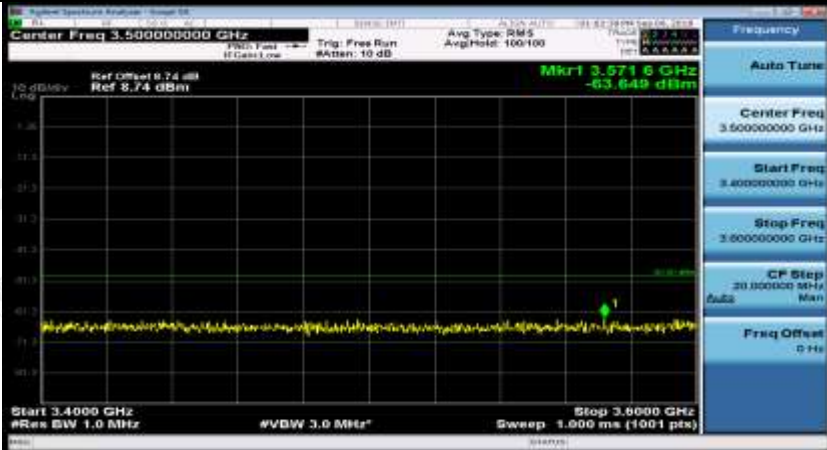
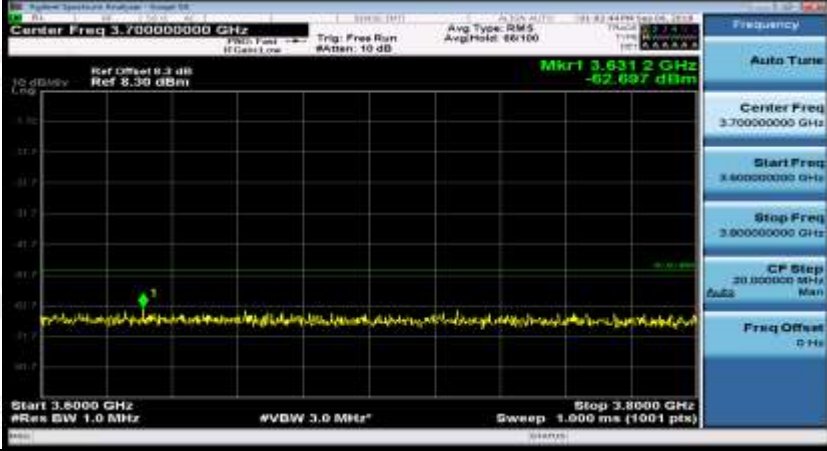
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Co-existence	
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Co-existence	

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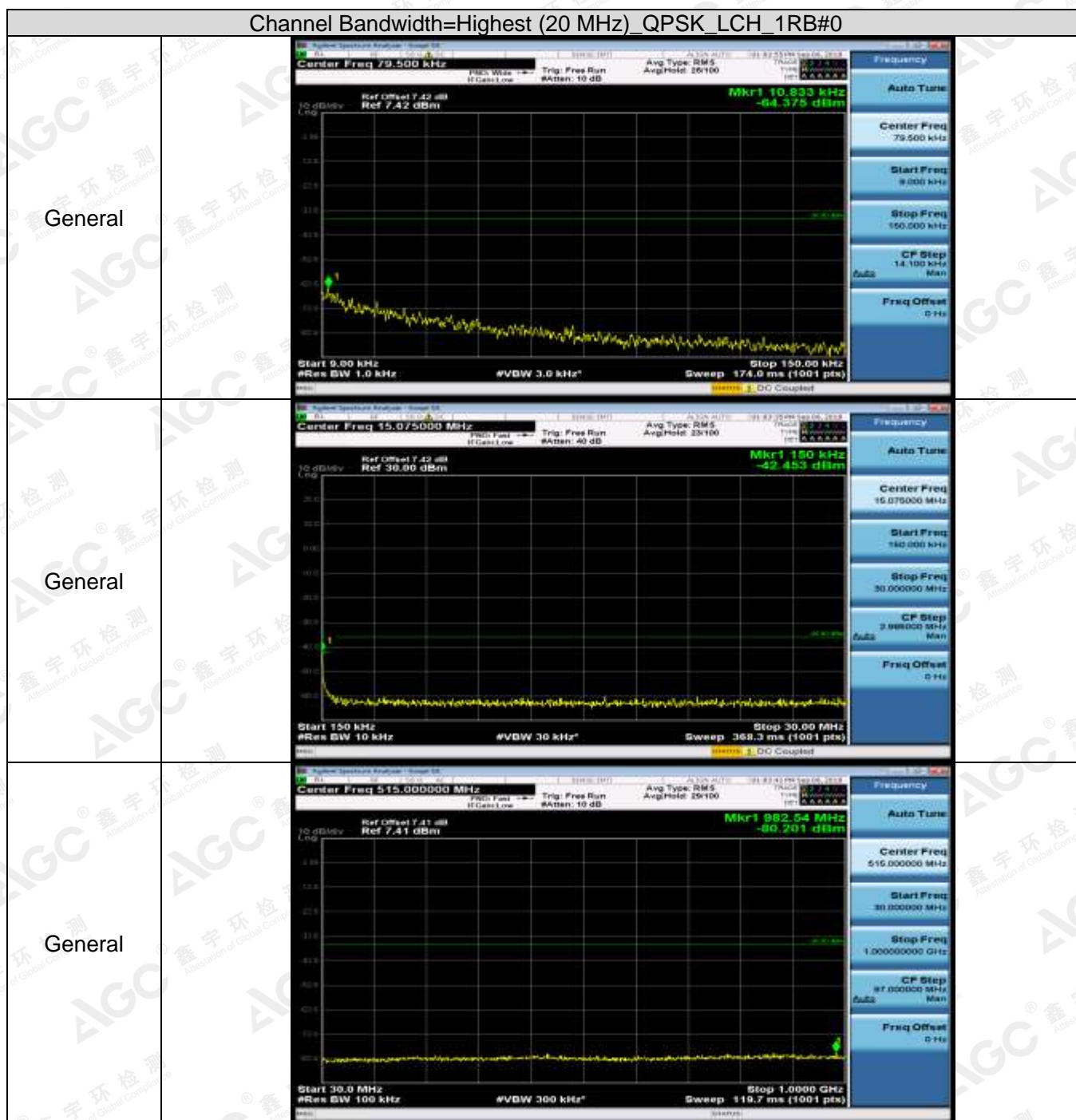
Co-existence	
Co-existence	
Co-existence	

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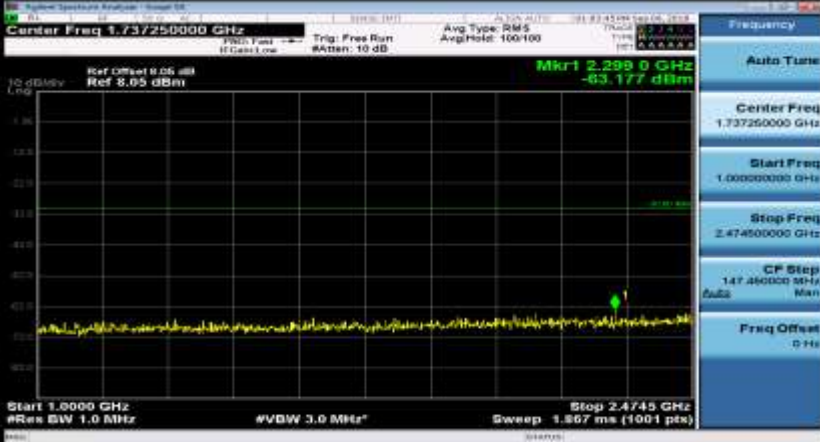


Co-existence	
Co-existence	
Additional	NA

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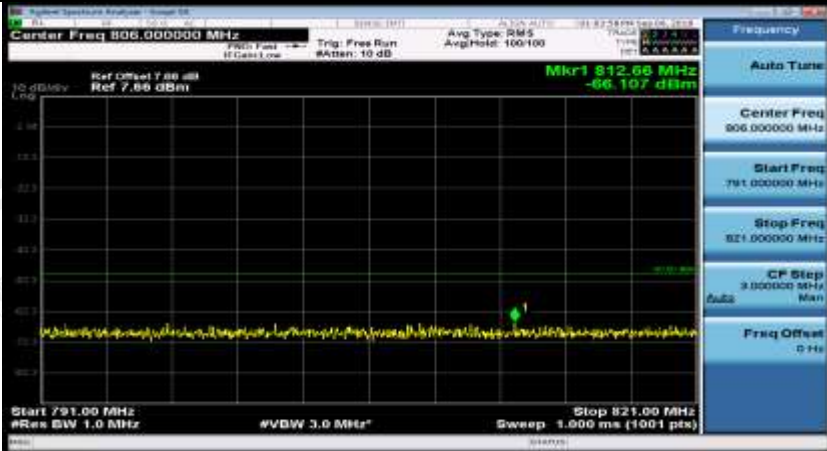
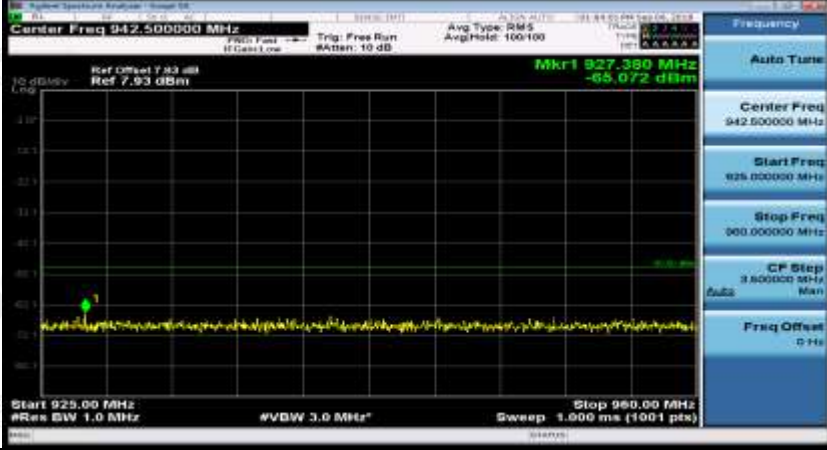
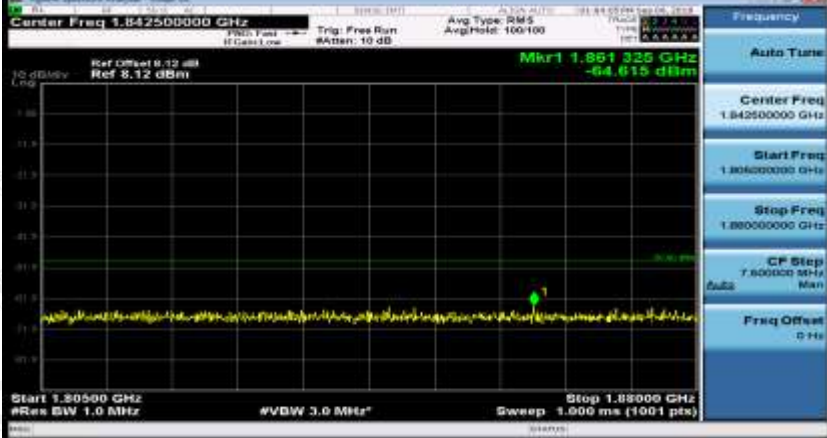
Channel Bandwidth= (20 MHz)



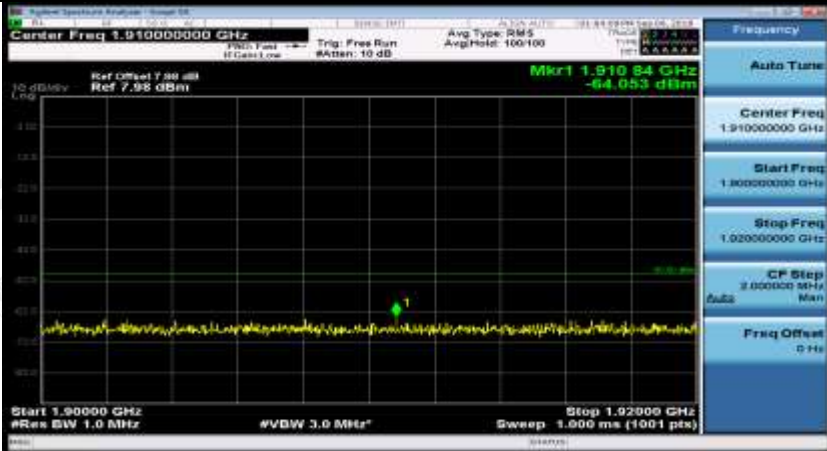
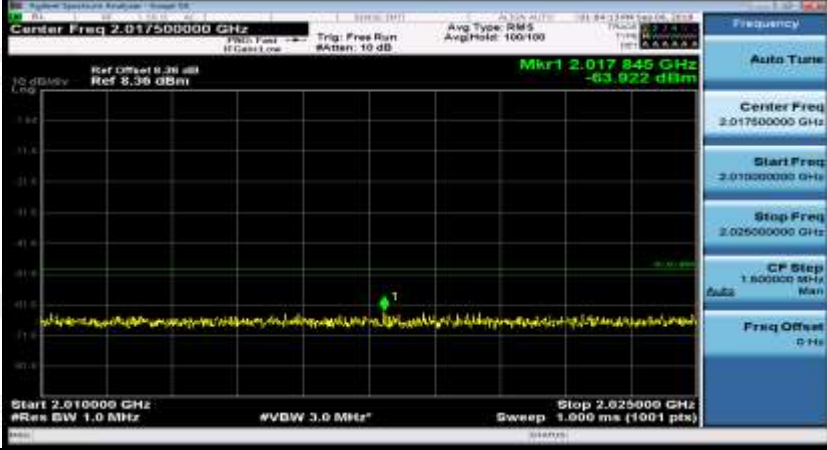

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General			
General			
General			

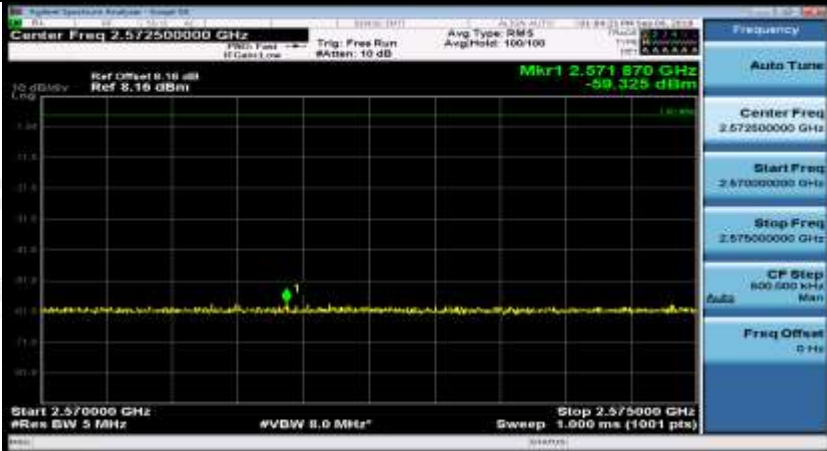
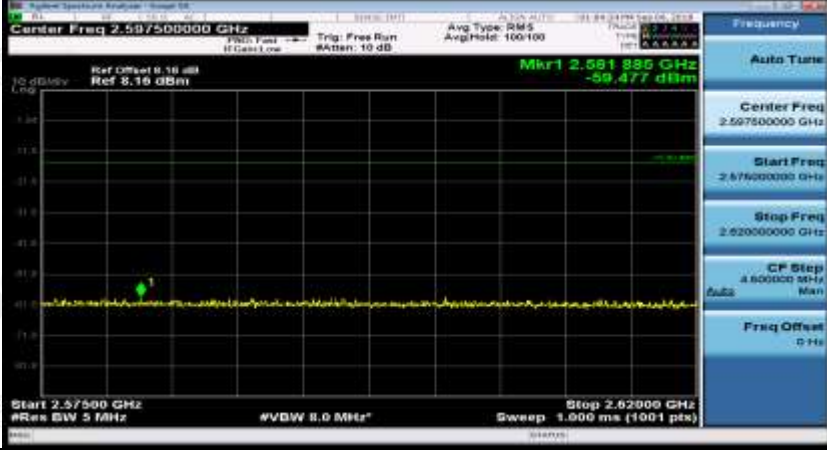
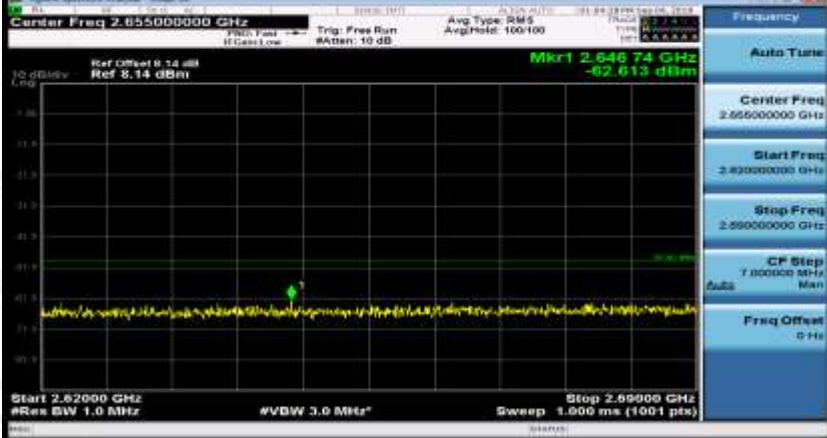
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Co-existence	
Co-existence	
Co-existence	

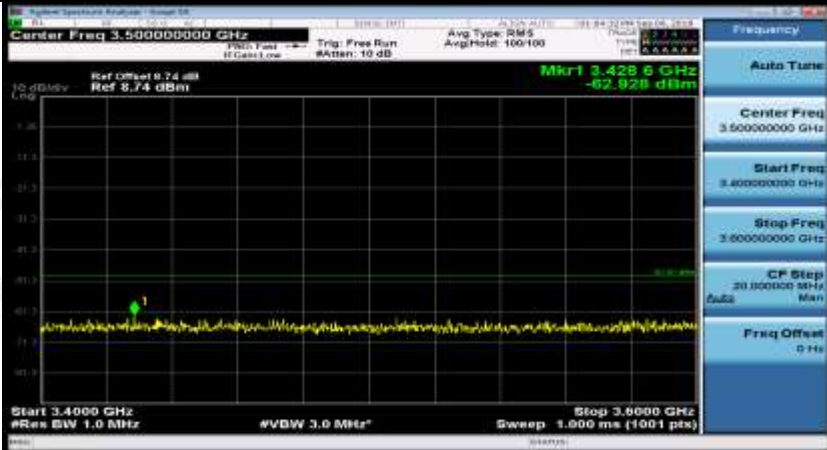
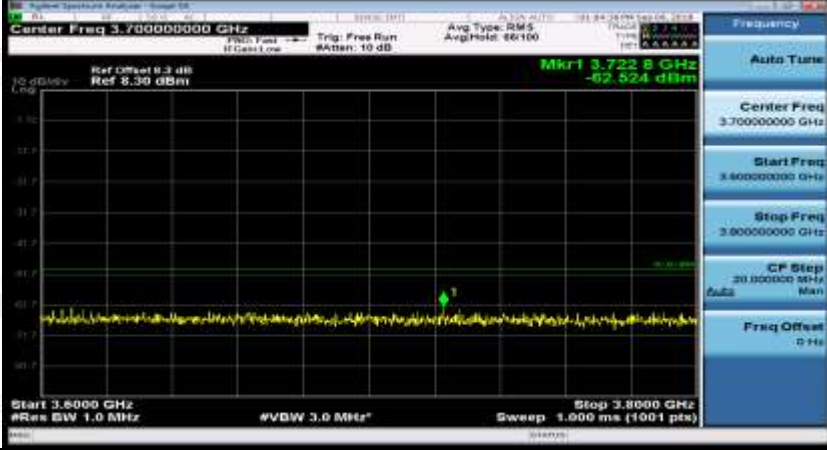
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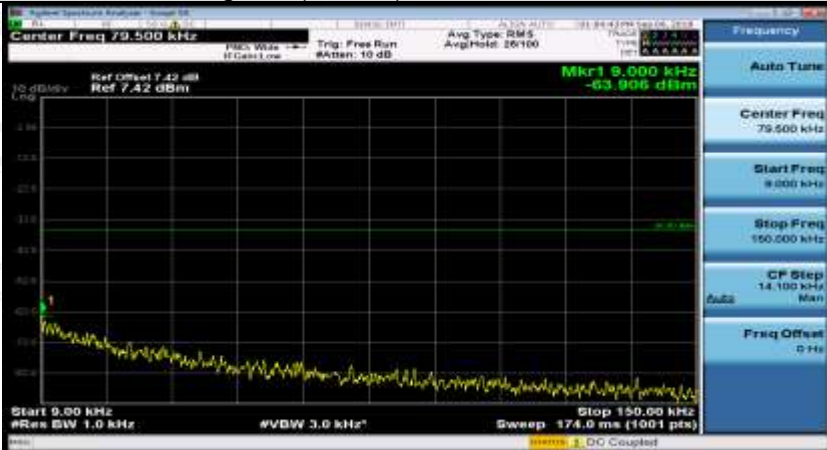
Co-existence	
Co-existence	
Co-existence	

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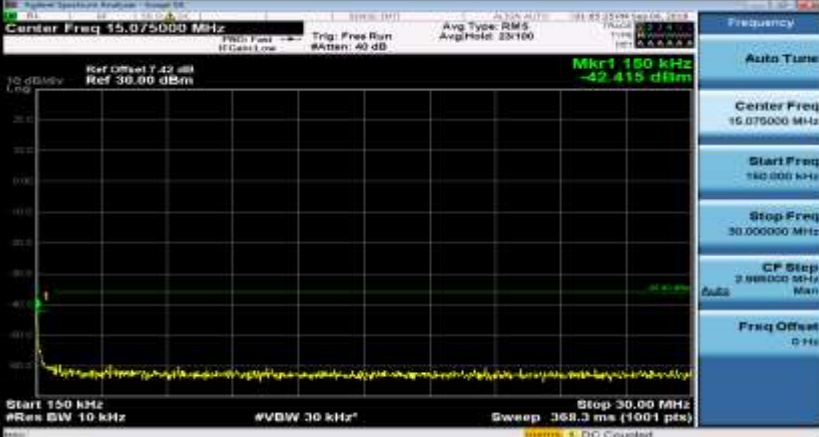
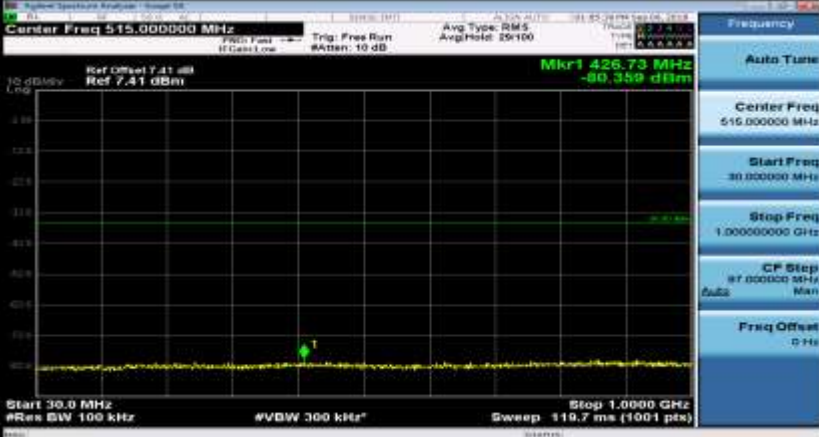

Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Additional	NA

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

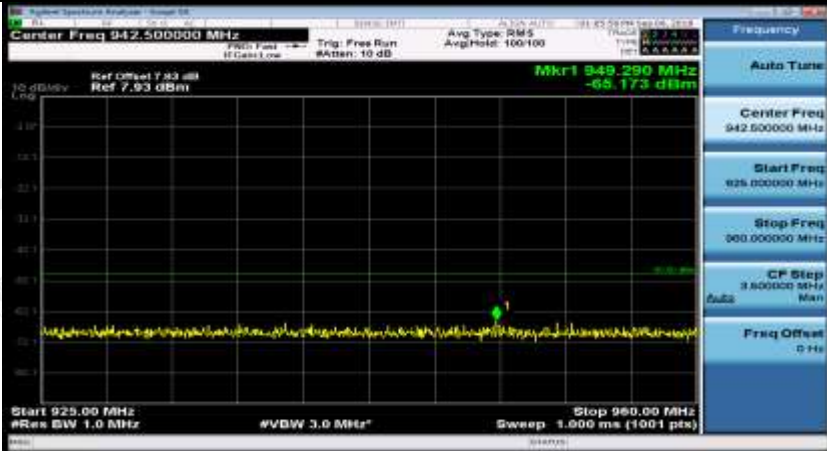
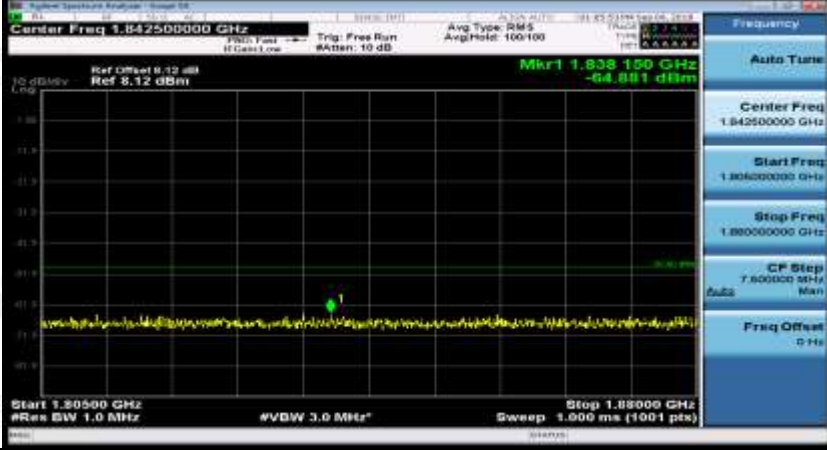
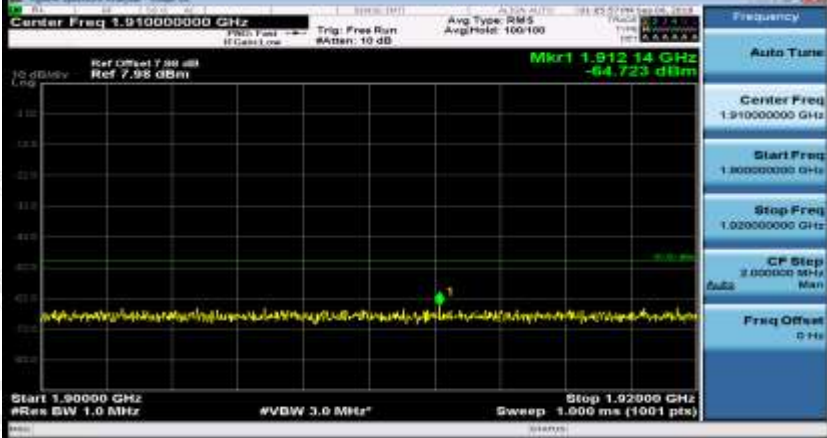
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General			
General			
General			


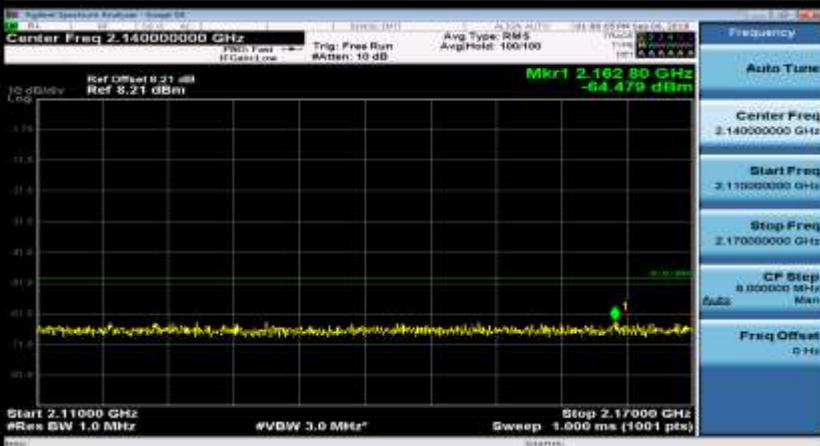

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General			
General			
Co-existence			


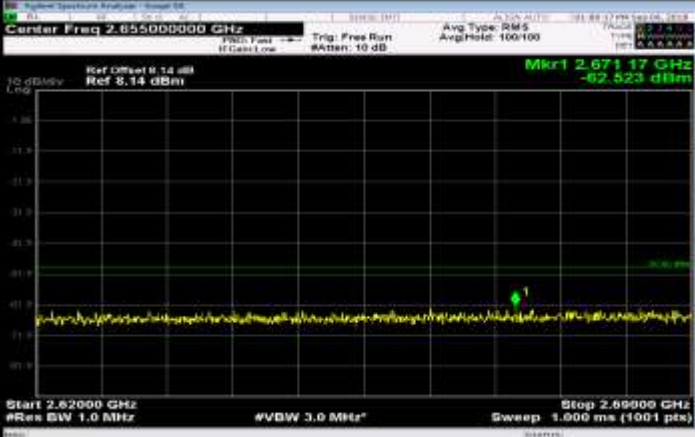
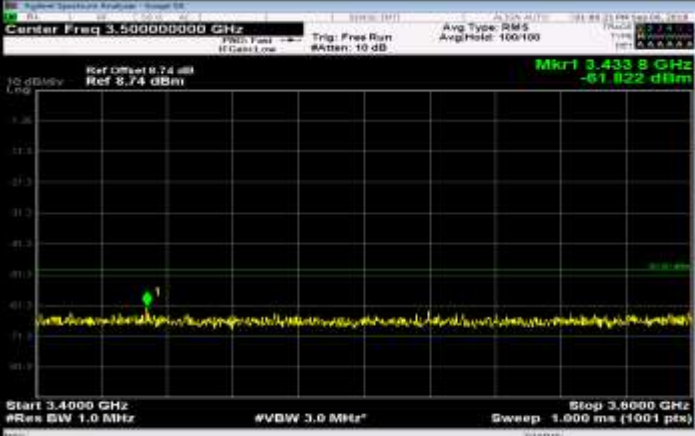
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	

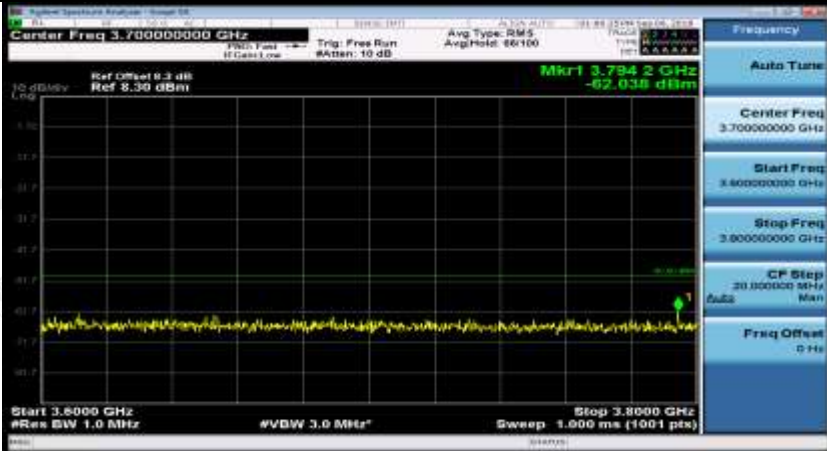
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence			
Co-existence			
Co-existence			

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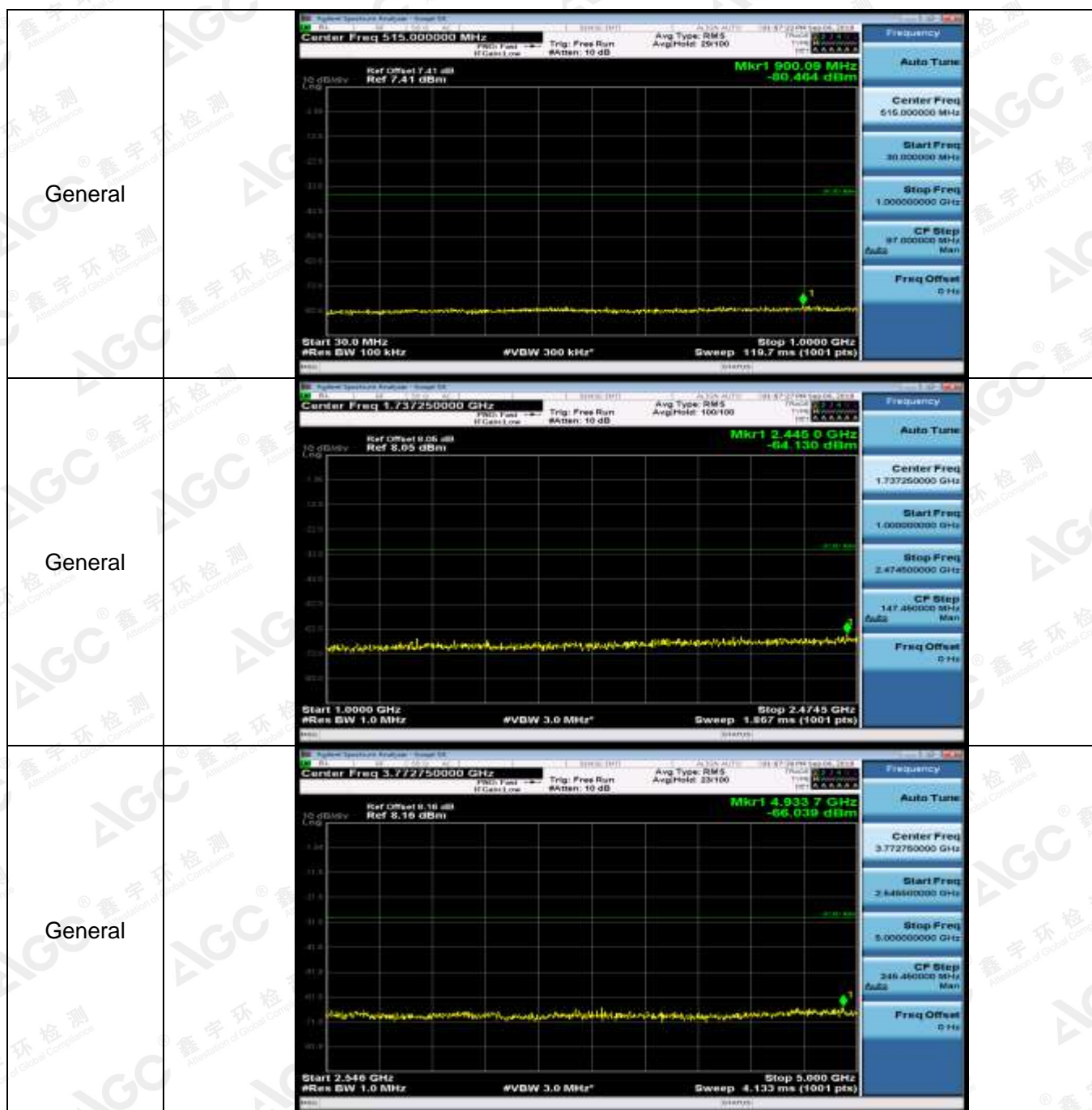
Co-existence			
Co-existence			
Co-existence			

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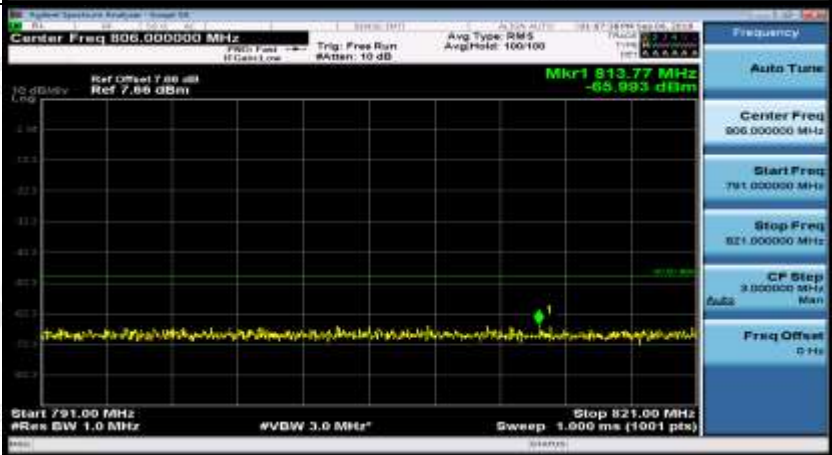
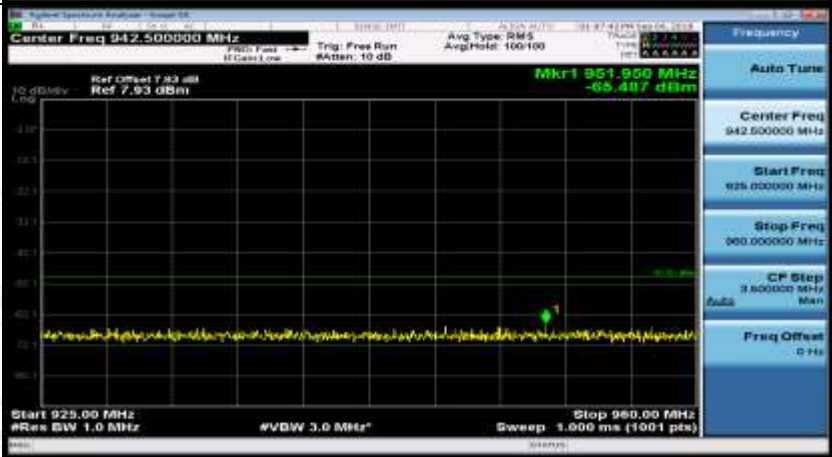
Co-existence	
Additional	NA

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

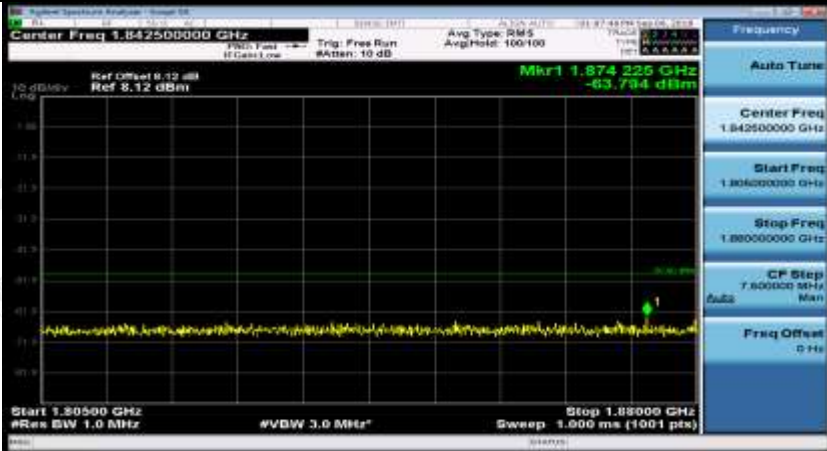
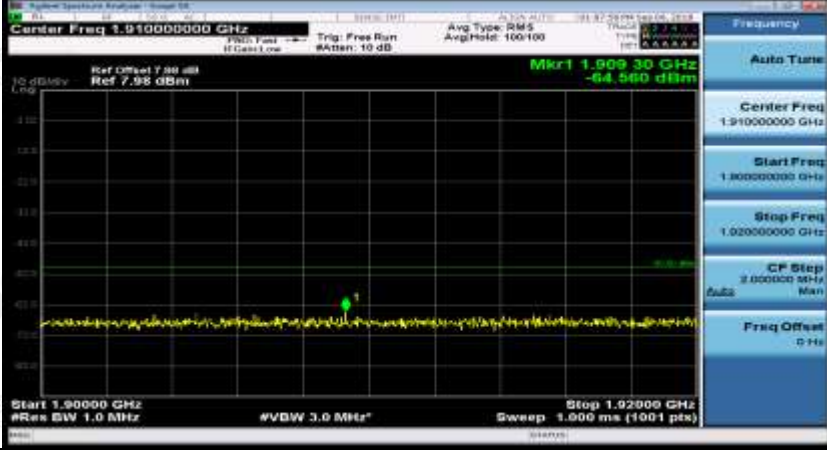
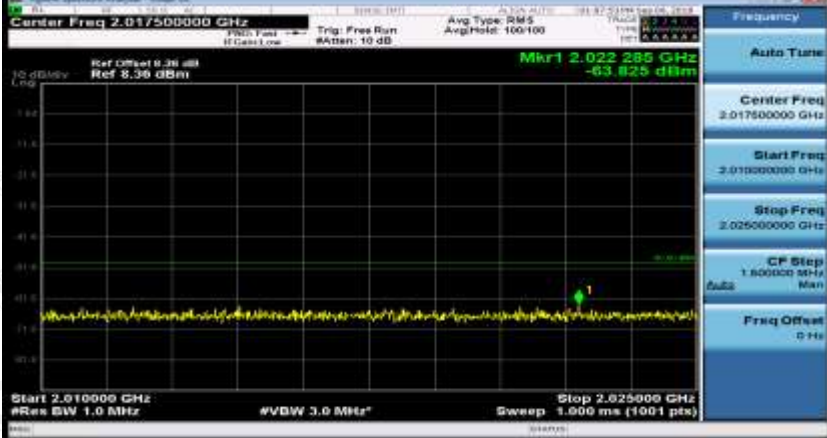
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



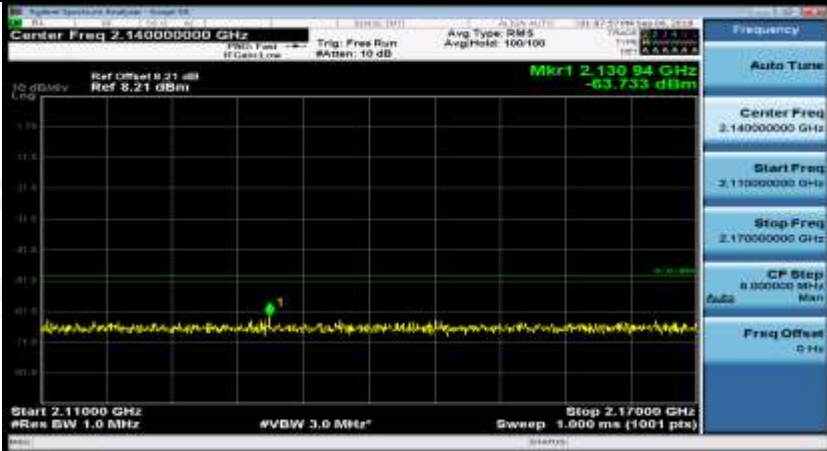
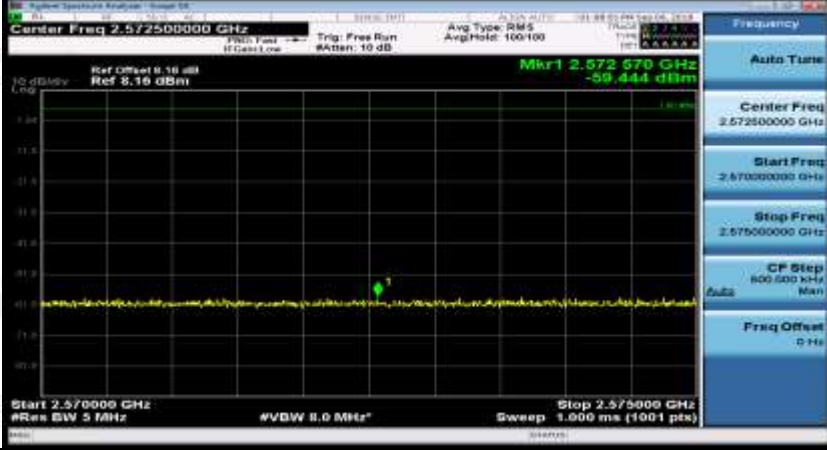

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General		
Co-existence		
Co-existence		

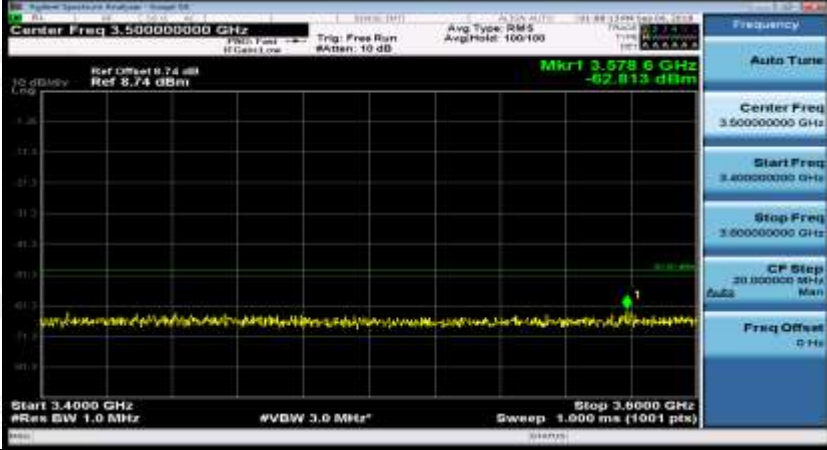
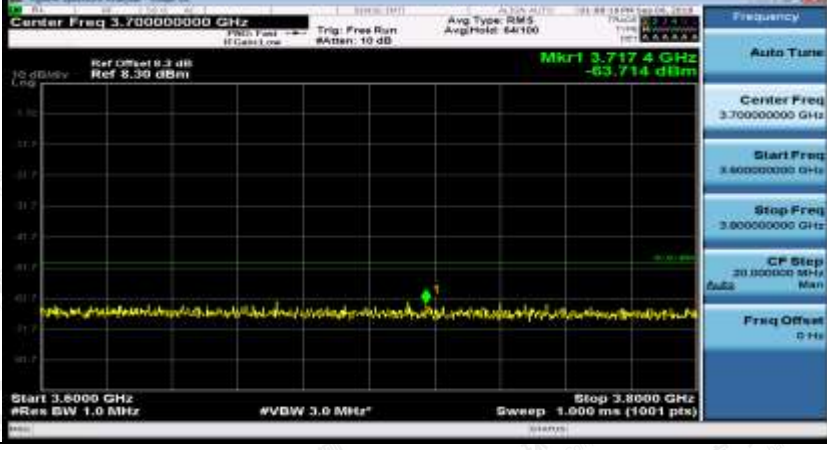
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Co-existence	
Co-existence	
Co-existence	

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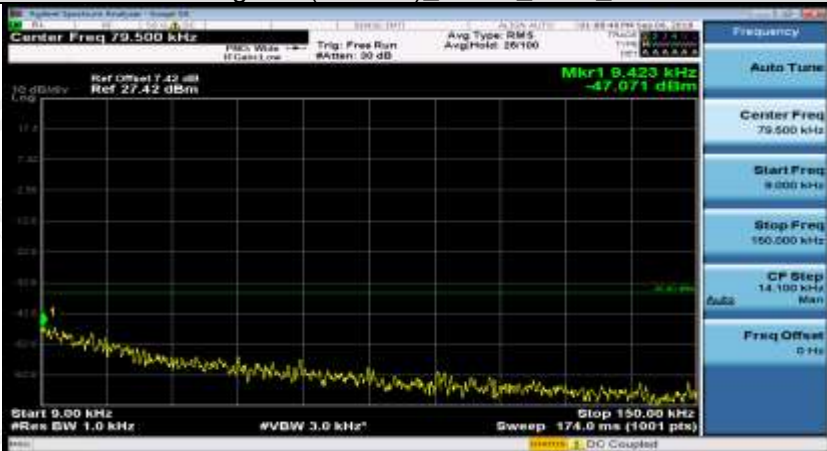
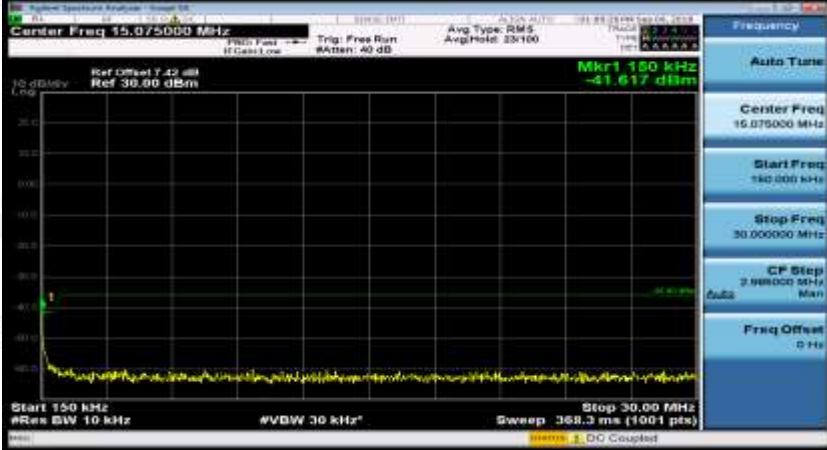
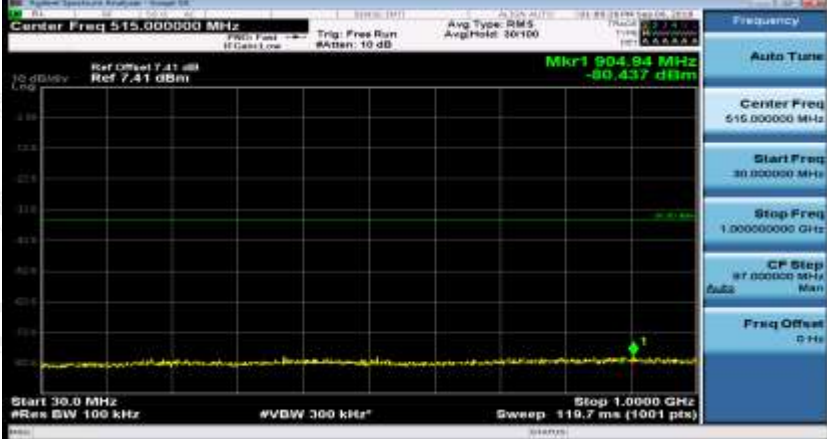
Co-existence	
Co-existence	
Co-existence	

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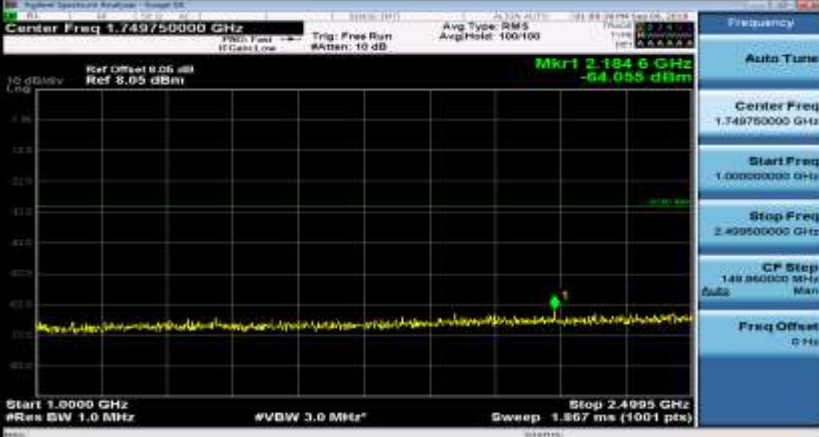


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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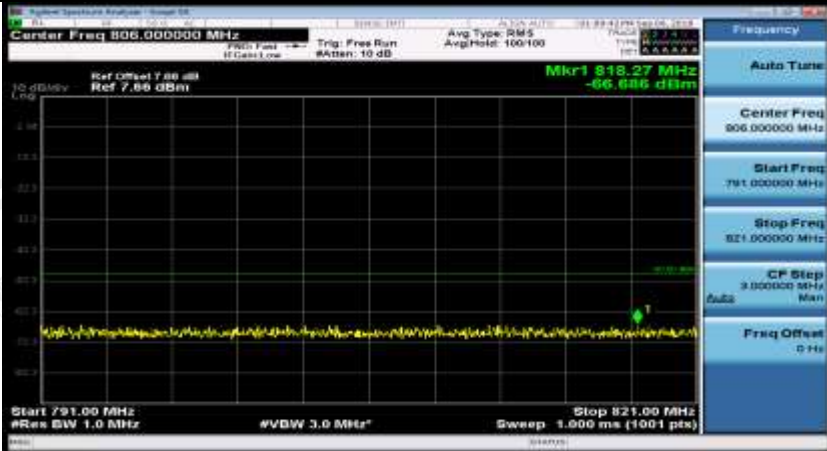
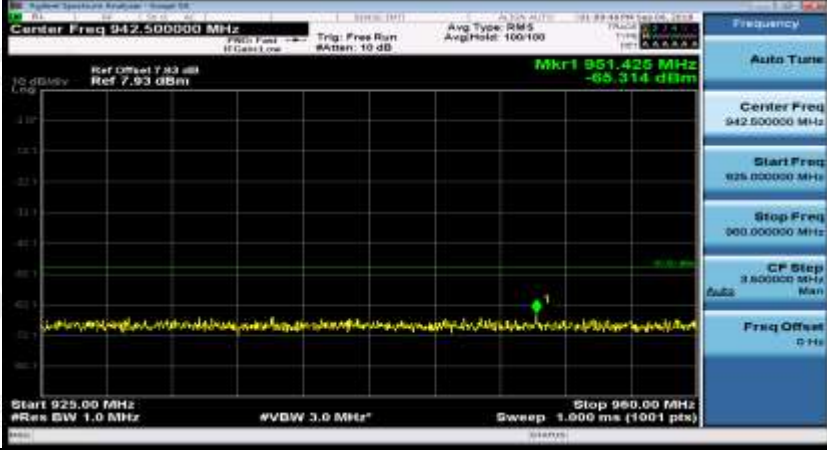
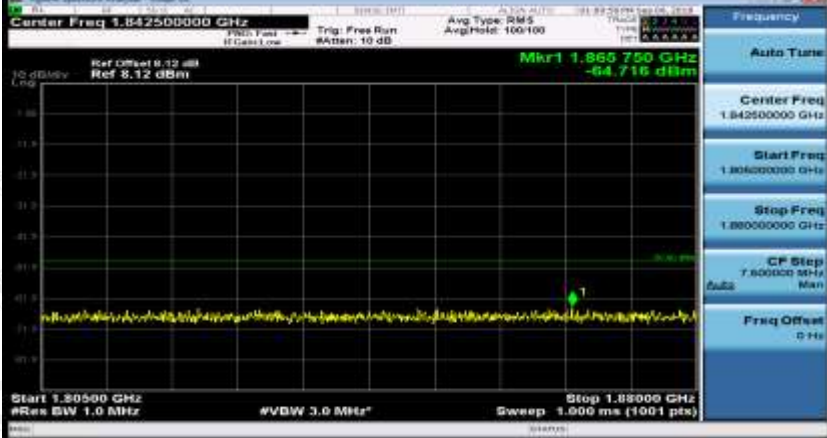
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

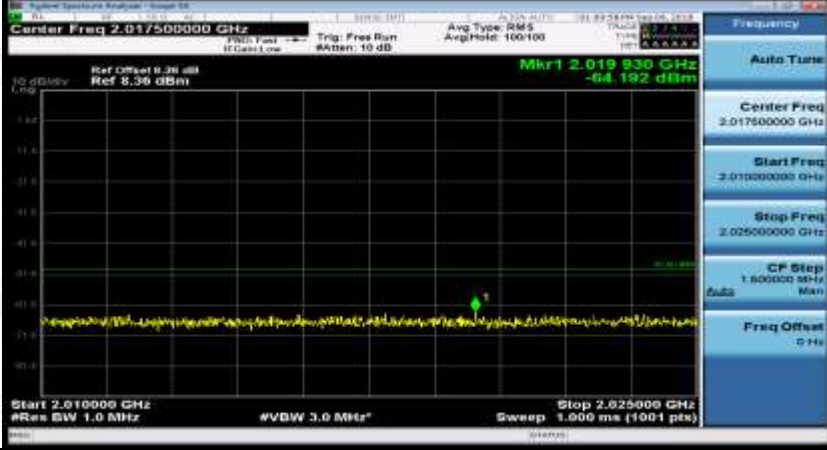
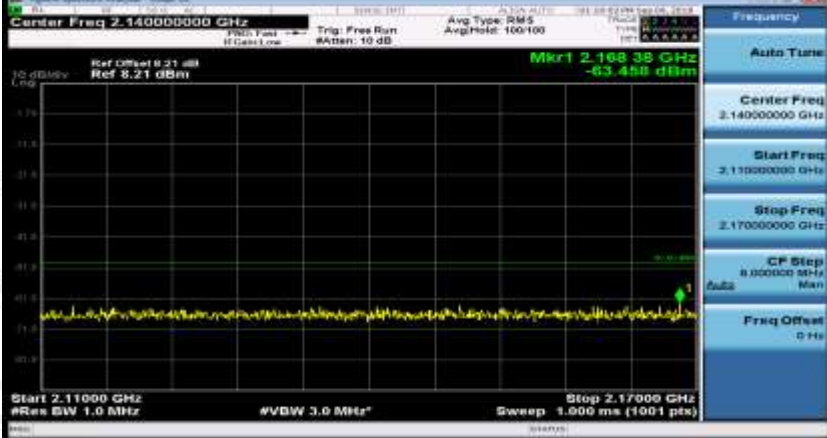
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General			
General			
General			


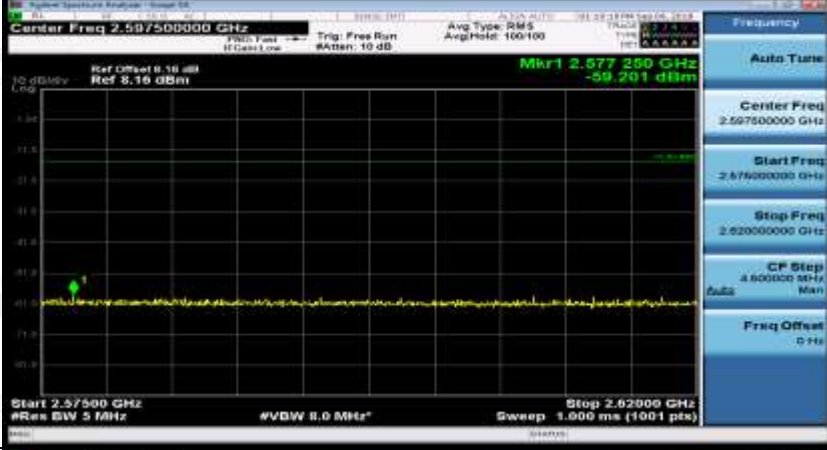
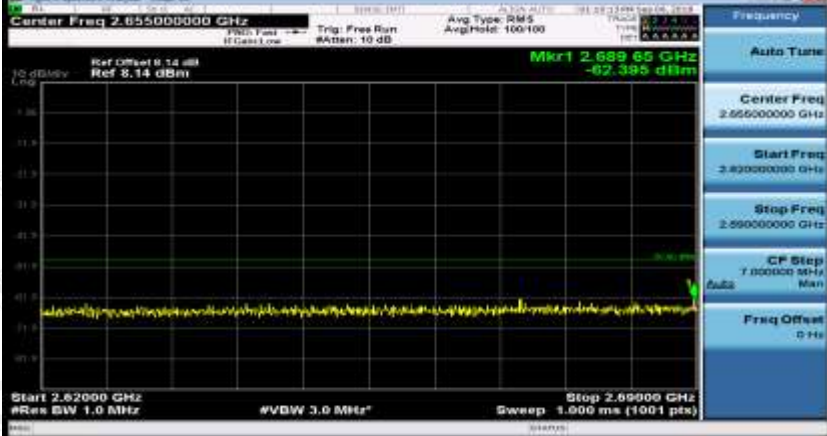
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Co-existence	
Co-existence	
Co-existence	


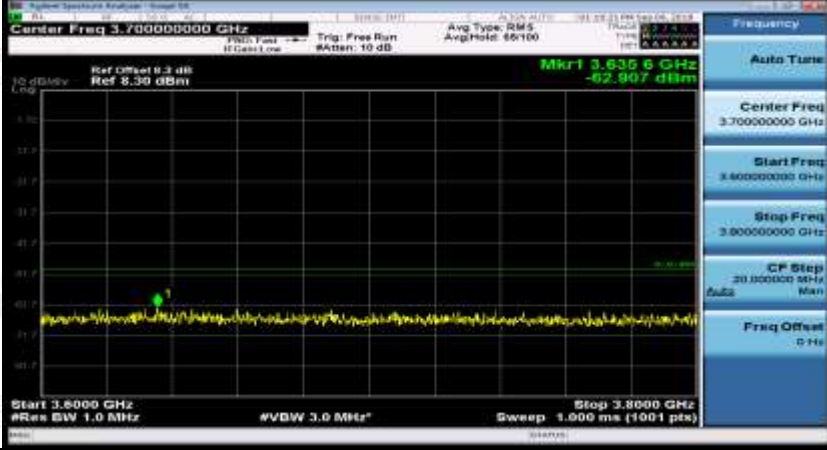
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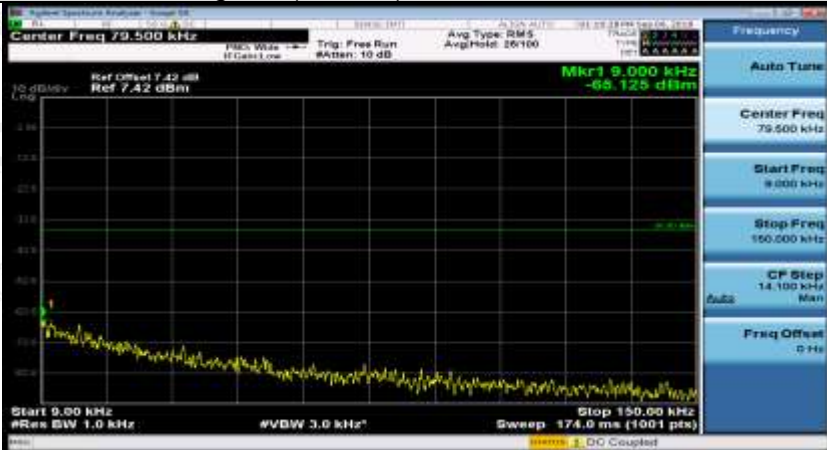
Co-existence	
Co-existence	
Co-existence	

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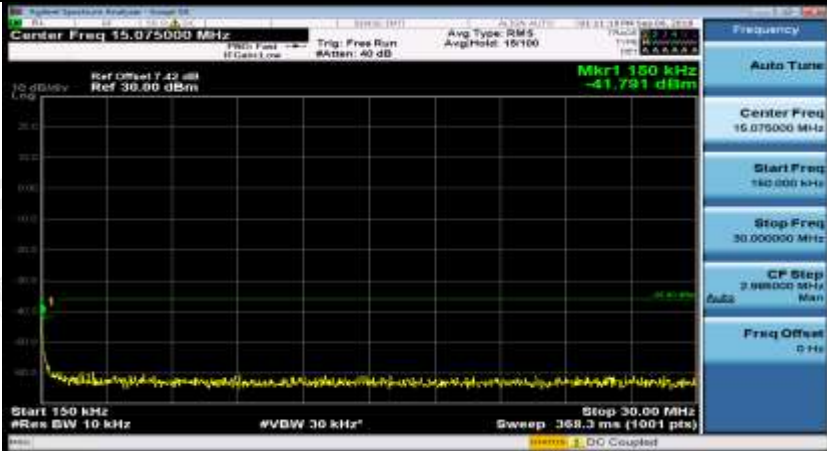
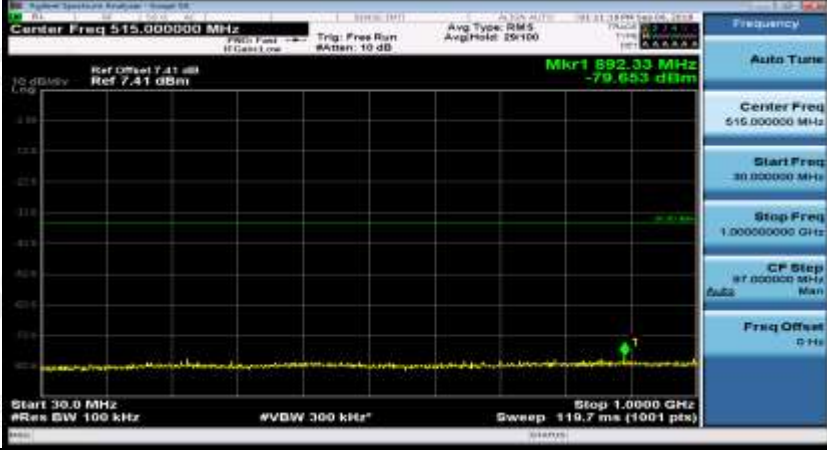
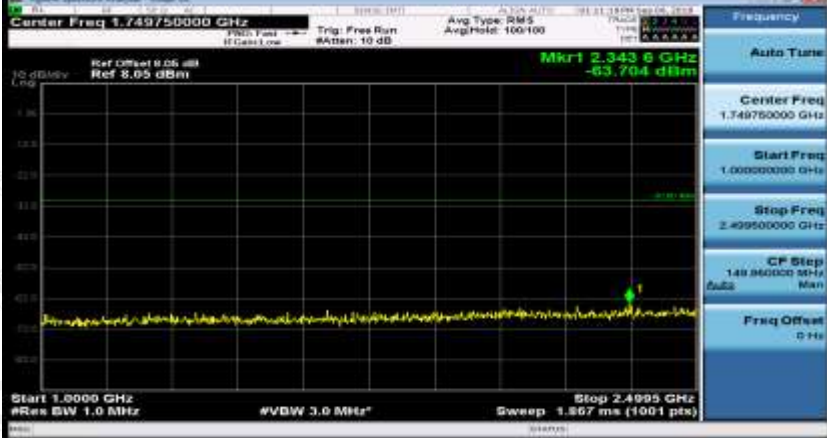
Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Additional	NA	

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

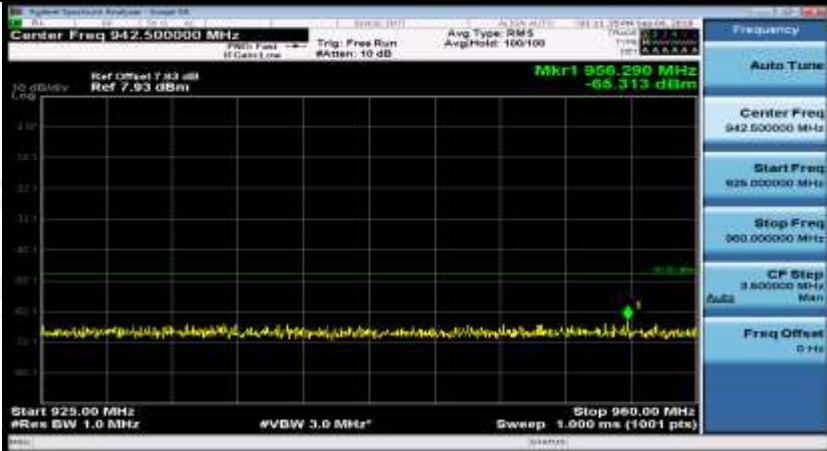
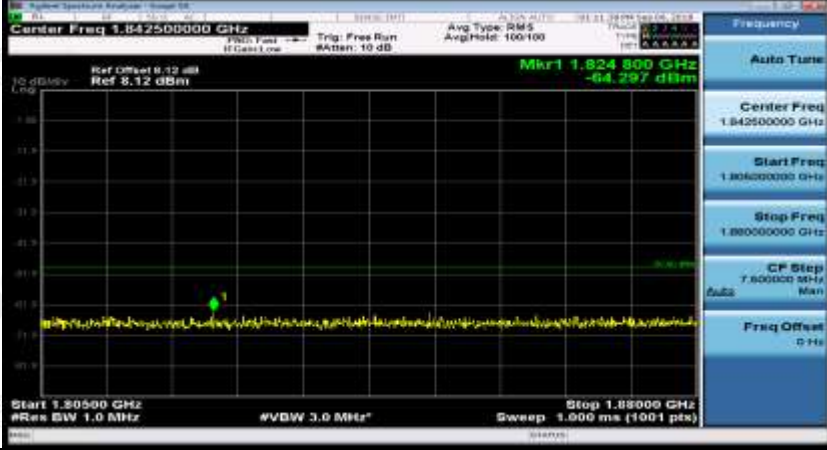
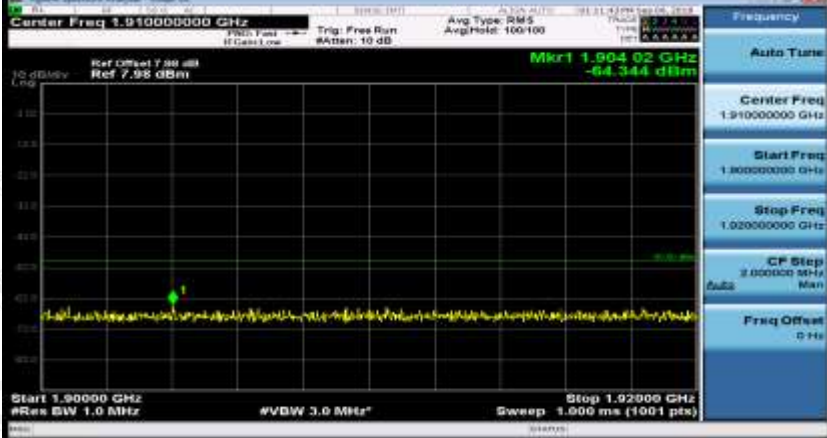
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General	
General	
General	

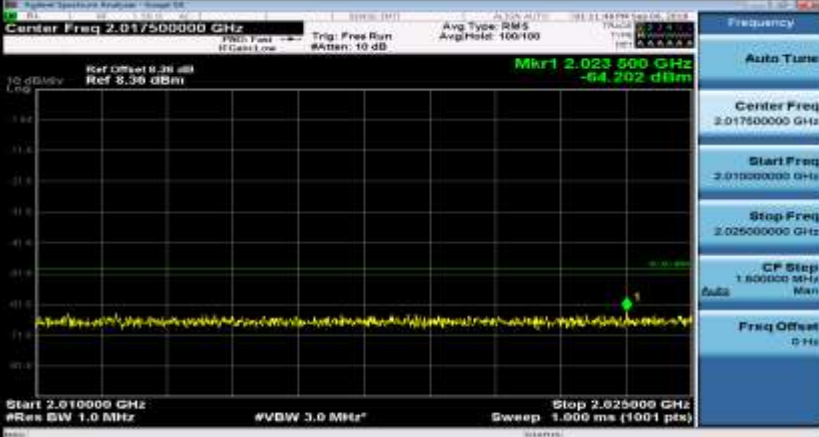
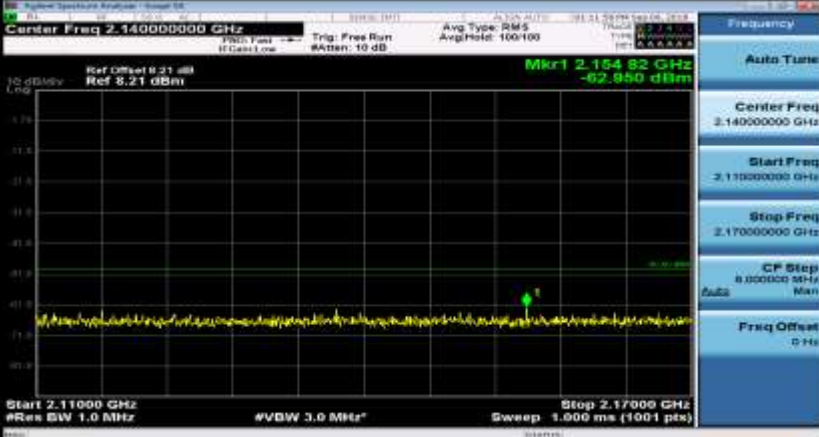

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General			
General			
Co-existence			

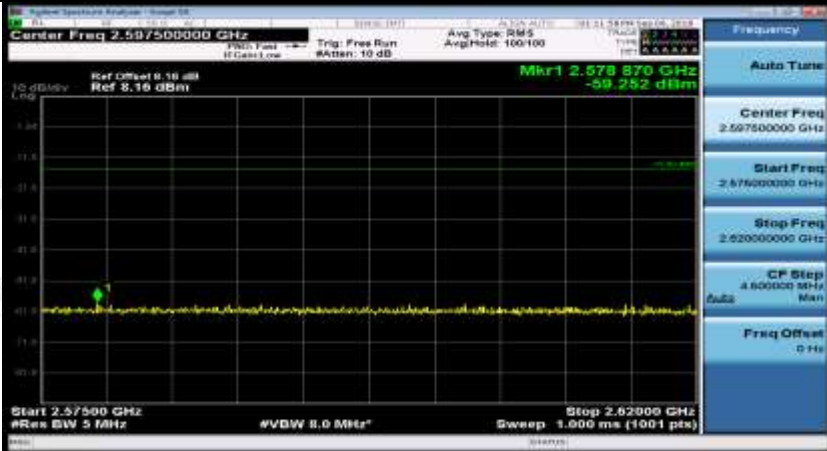

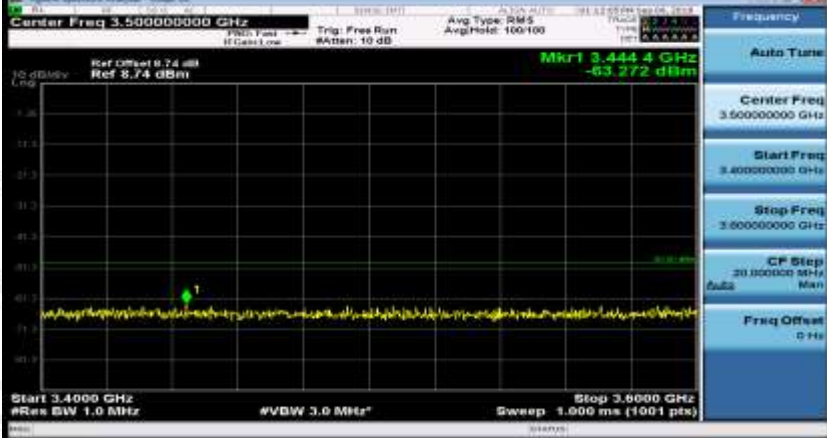
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Co-existence	
Co-existence	
Co-existence	

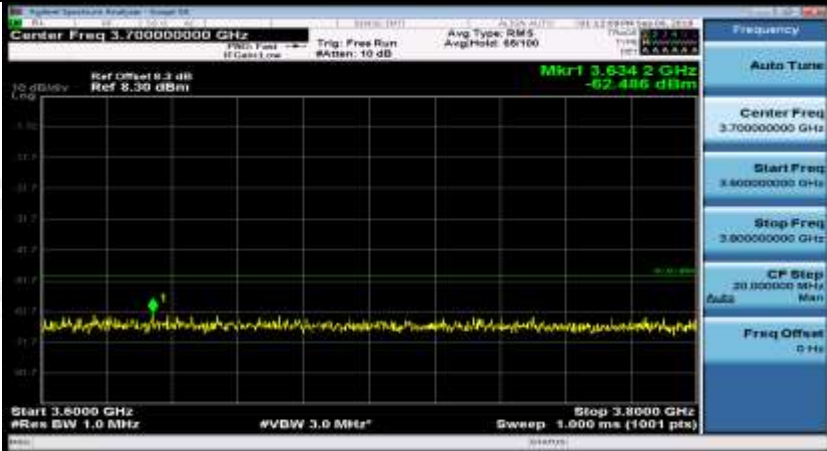
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Co-existence			
Co-existence			
Co-existence			

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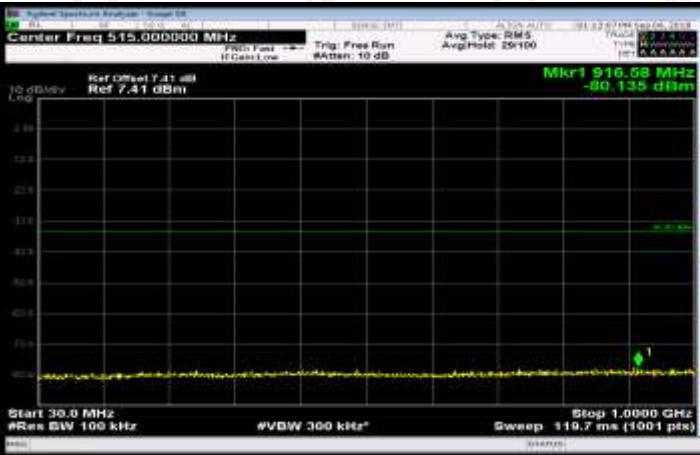
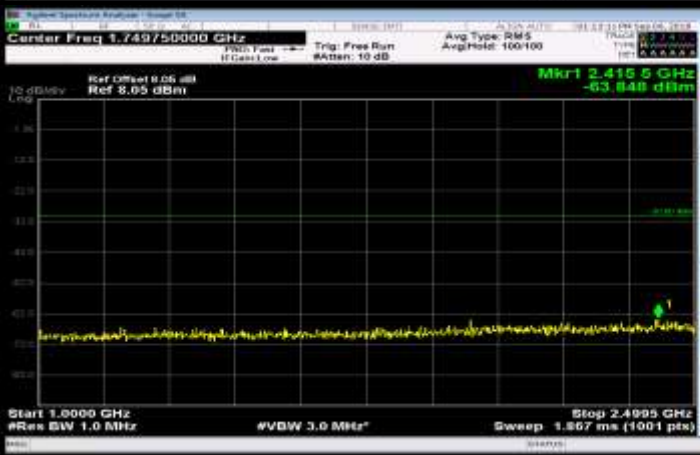

Co-existence	
Co-existence	
Co-existence	

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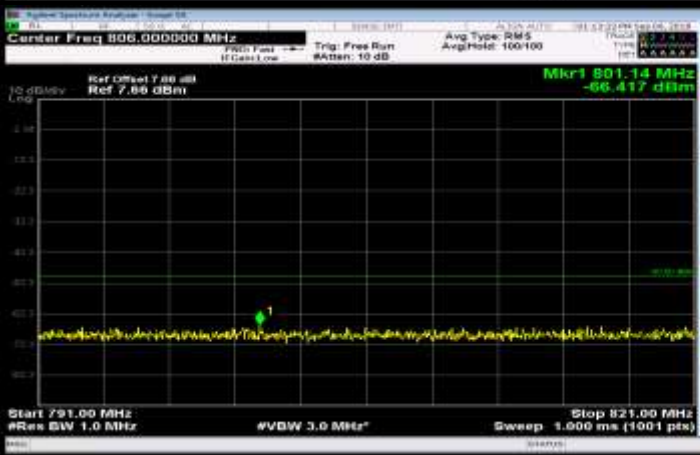
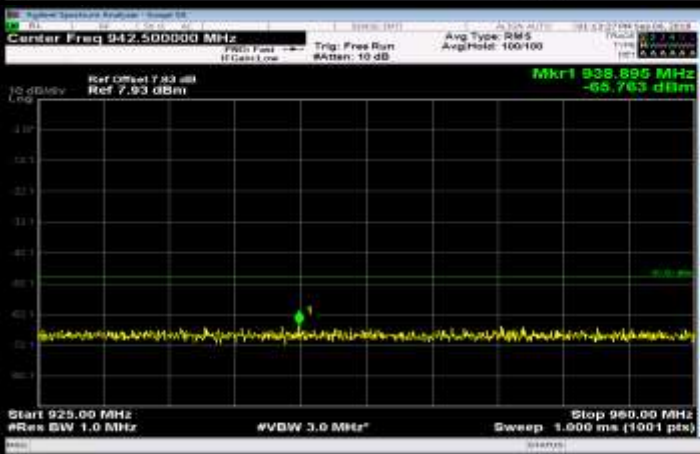
Co-existence	
Additional	NA

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

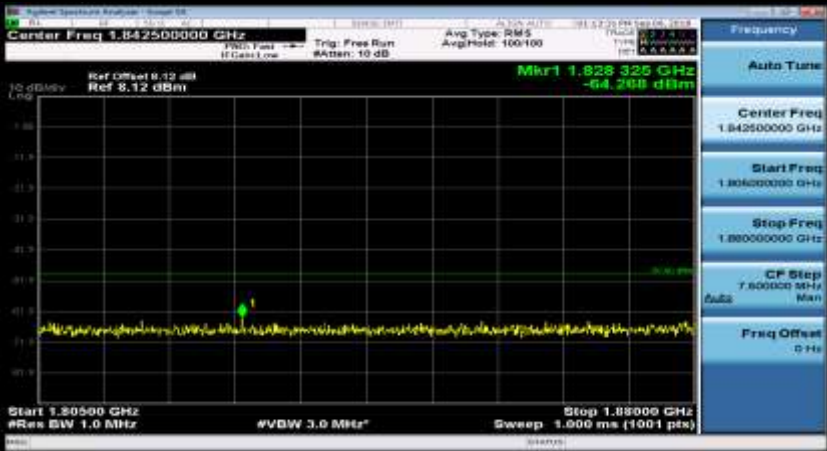
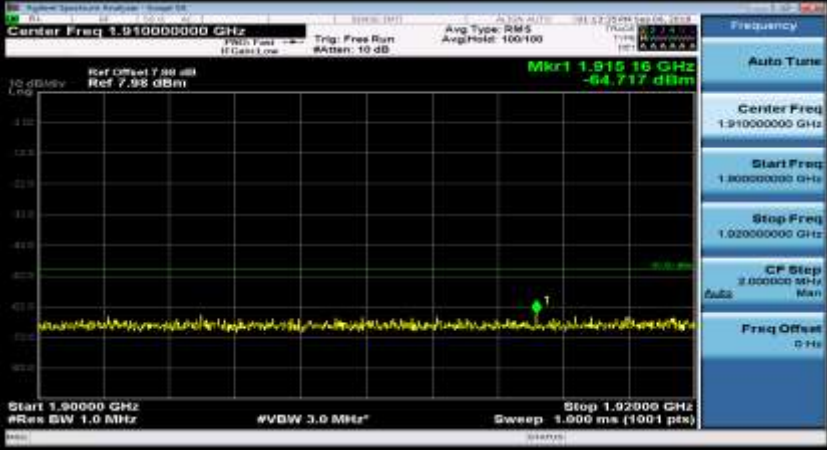
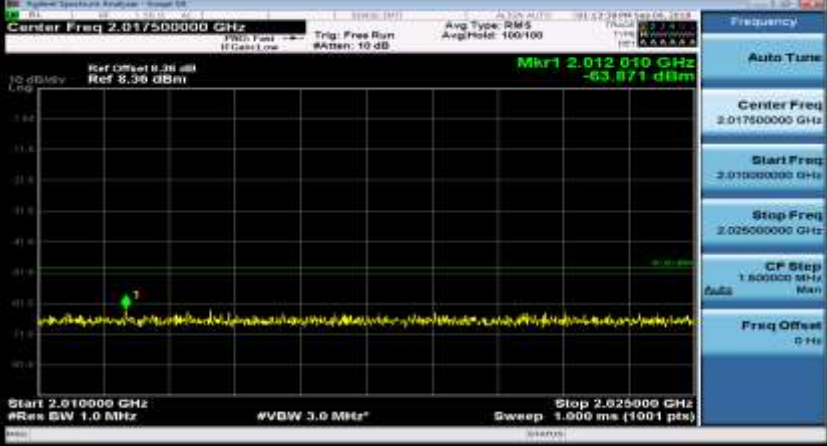
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General		
General		
General		

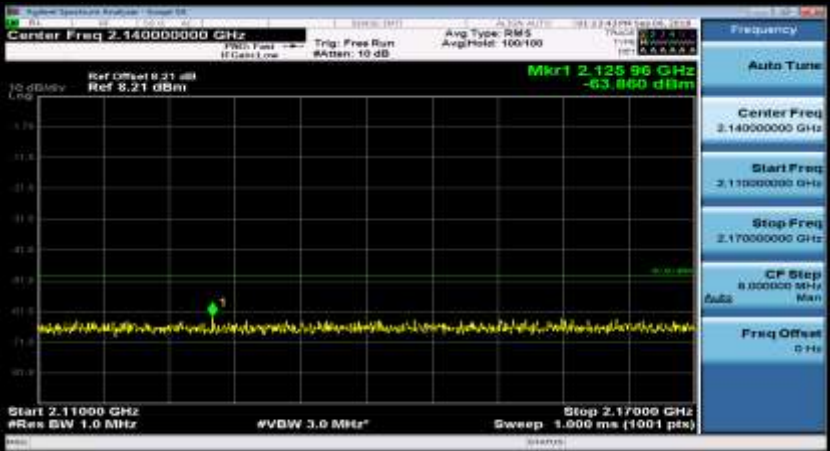
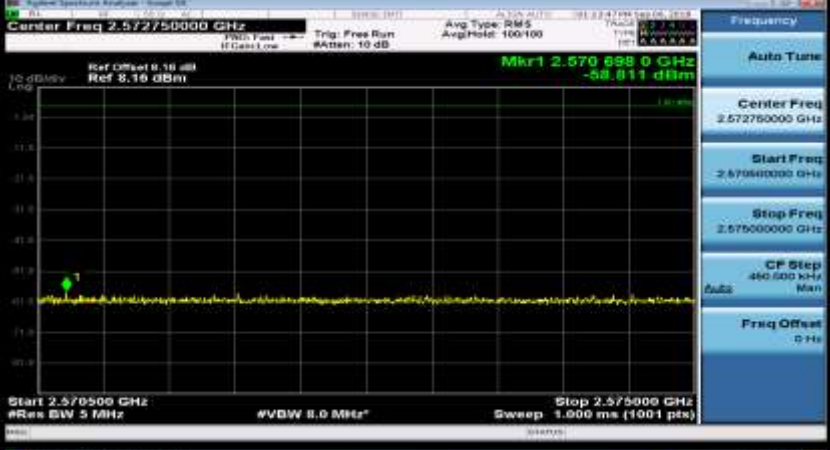
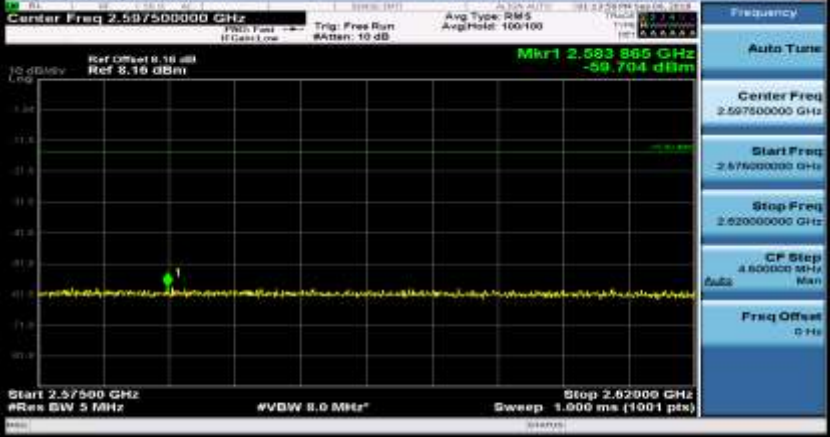
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General		
Co-existence		
Co-existence		

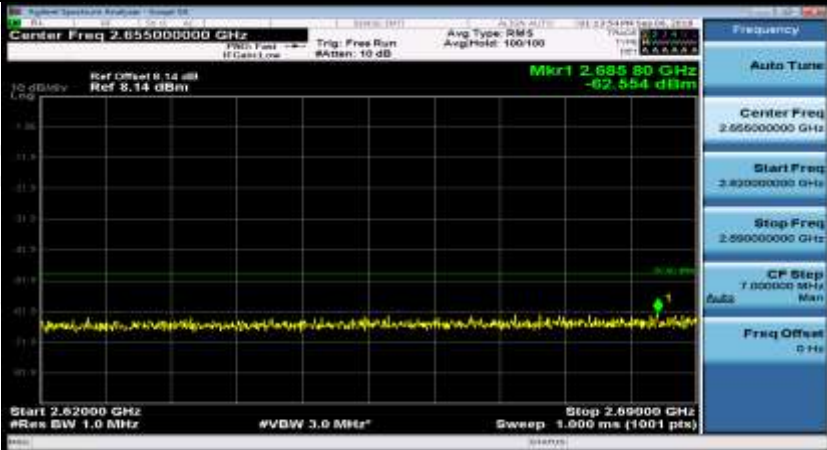
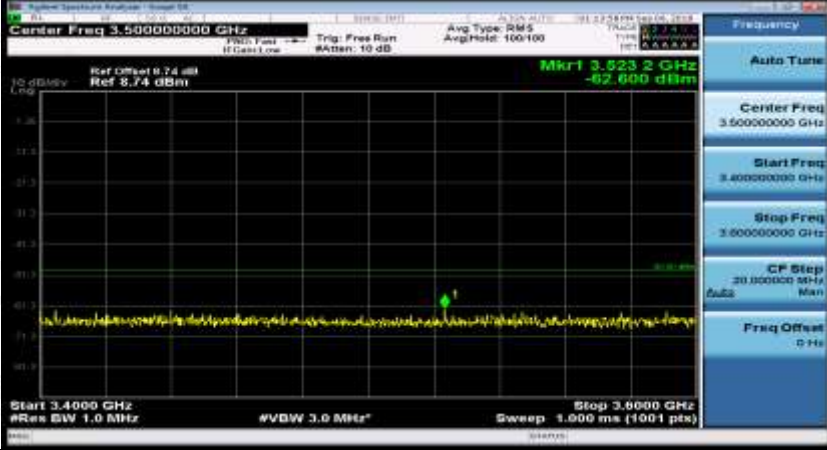

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Co-existence	
Co-existence	
Co-existence	

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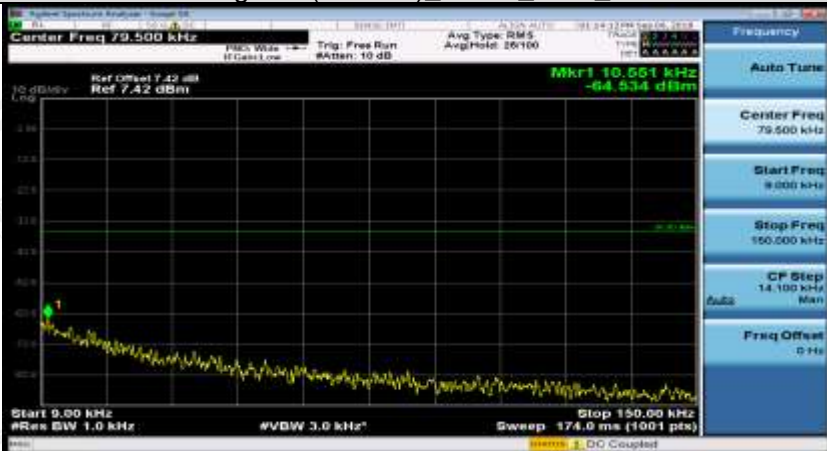
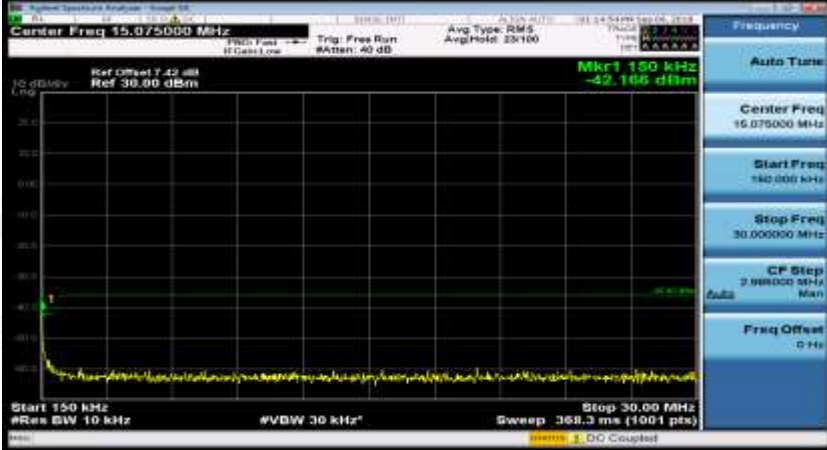
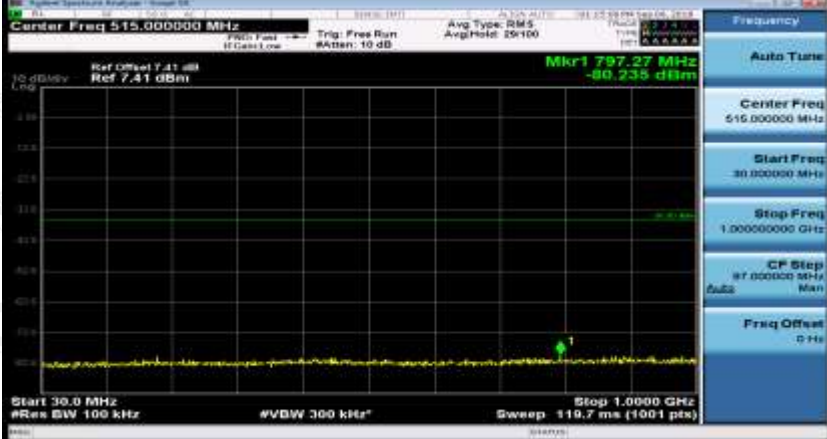
Co-existence	
Co-existence	
Co-existence	

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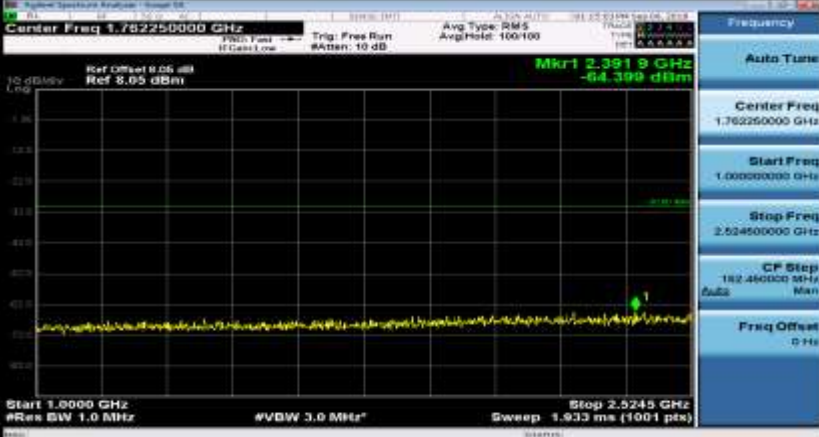


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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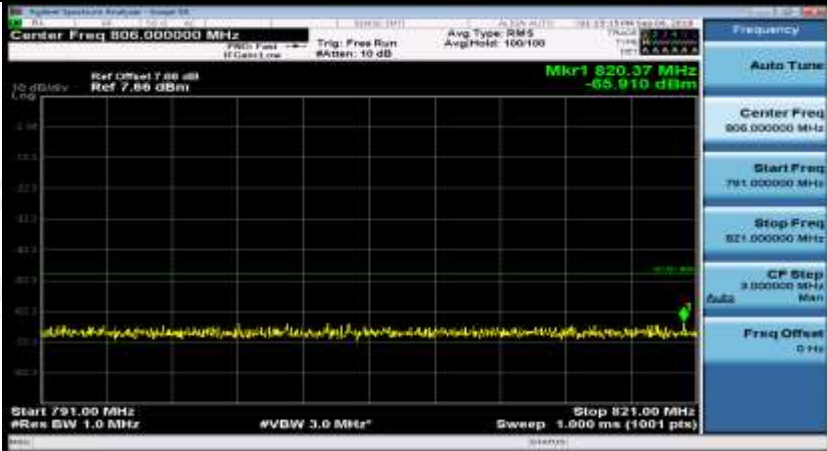
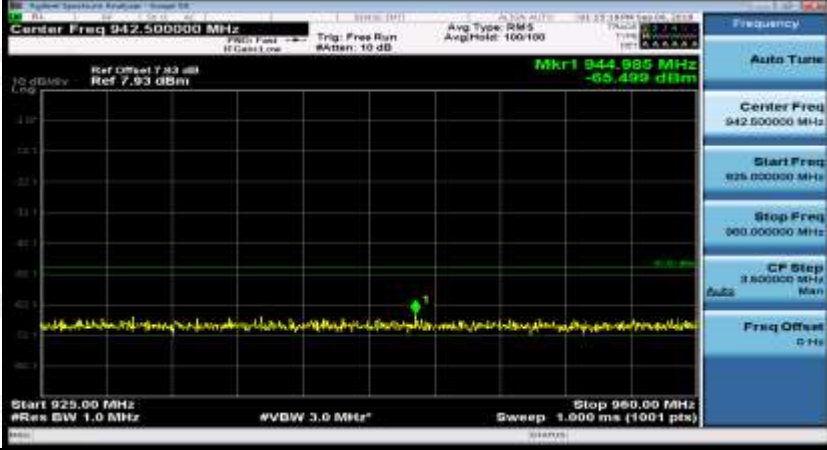
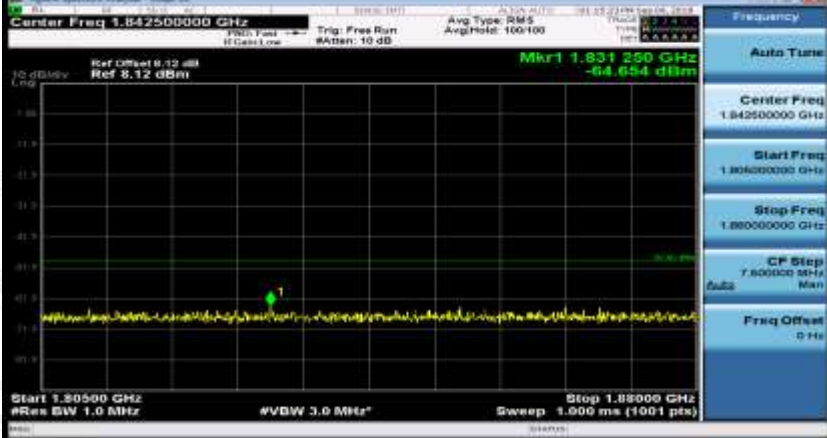
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

General	
General	
General	

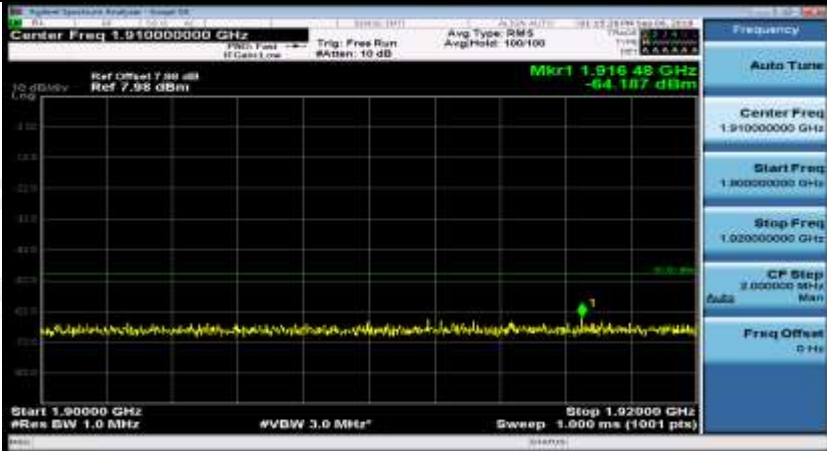
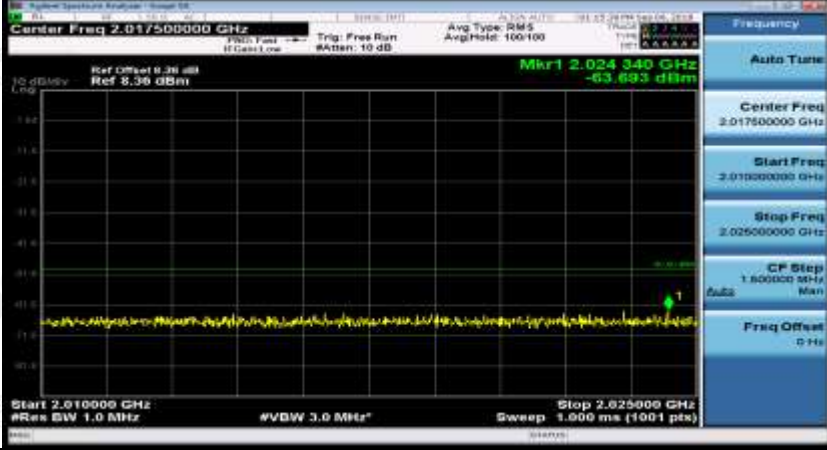
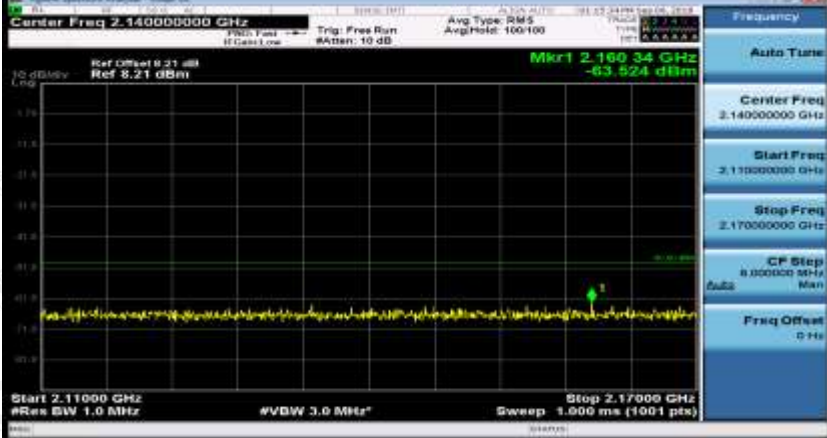
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General			
General			
General			

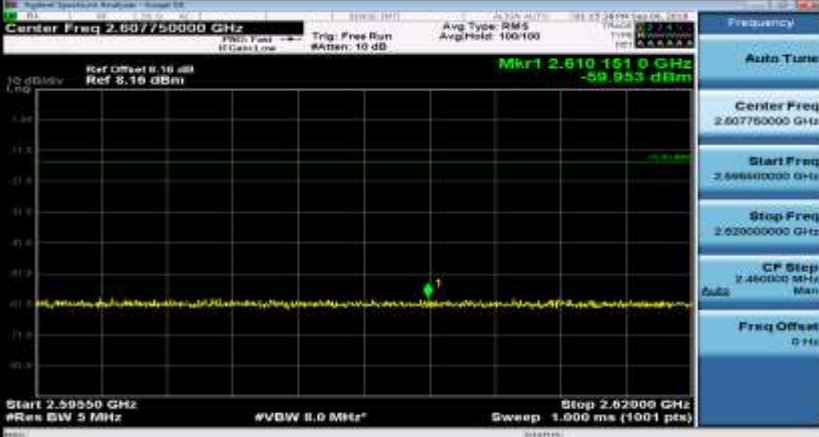
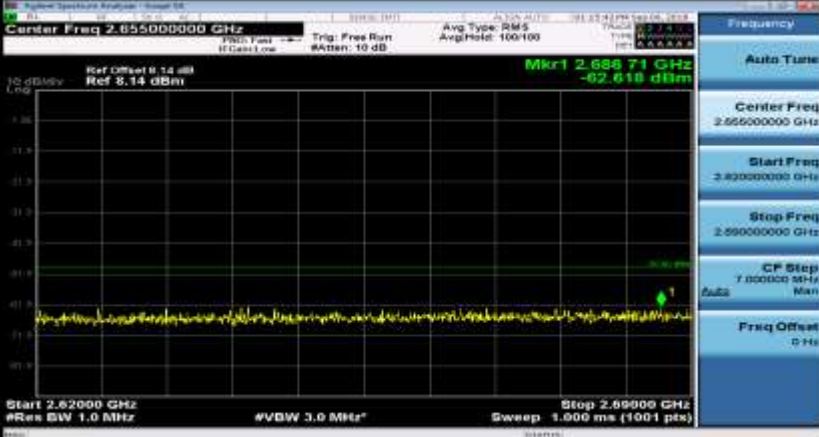
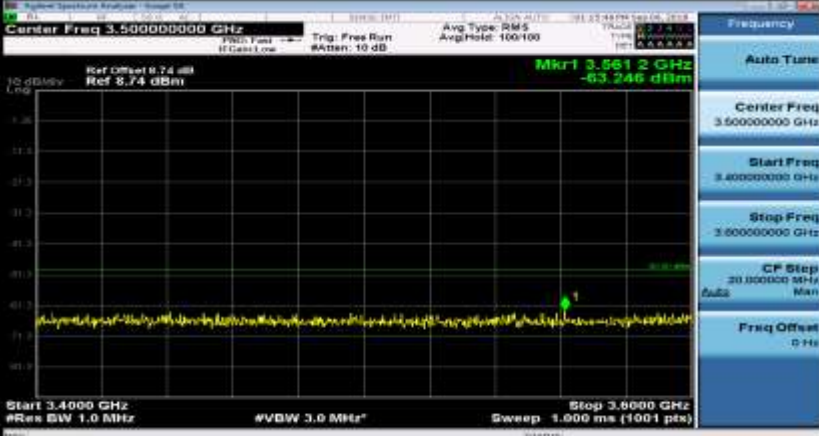
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Co-existence	
Co-existence	
Co-existence	

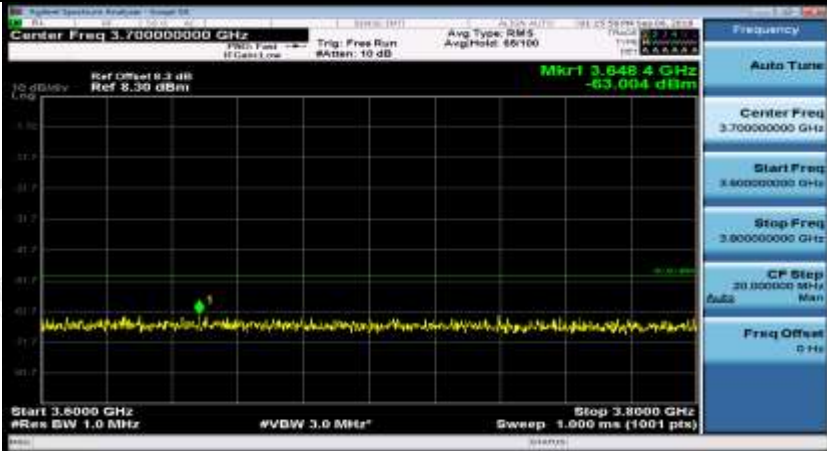
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	

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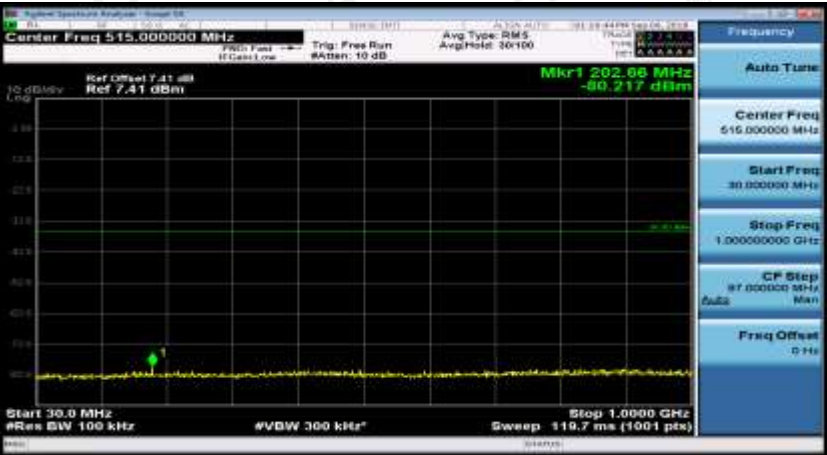
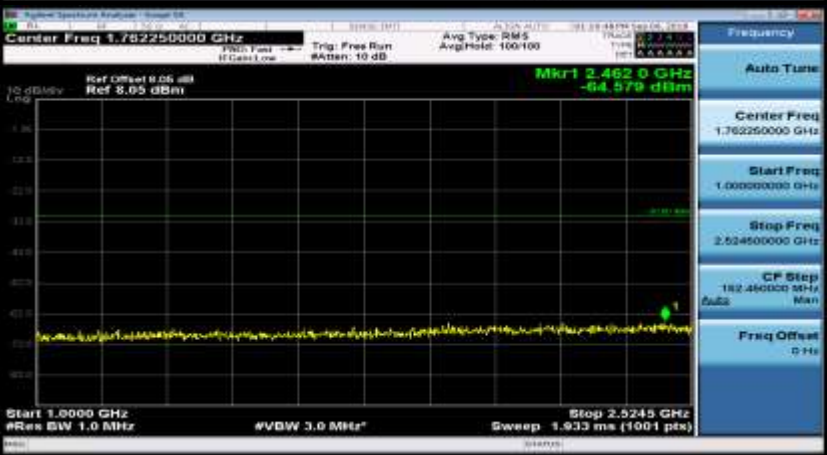

Co-existence			
Co-existence			
Co-existence			

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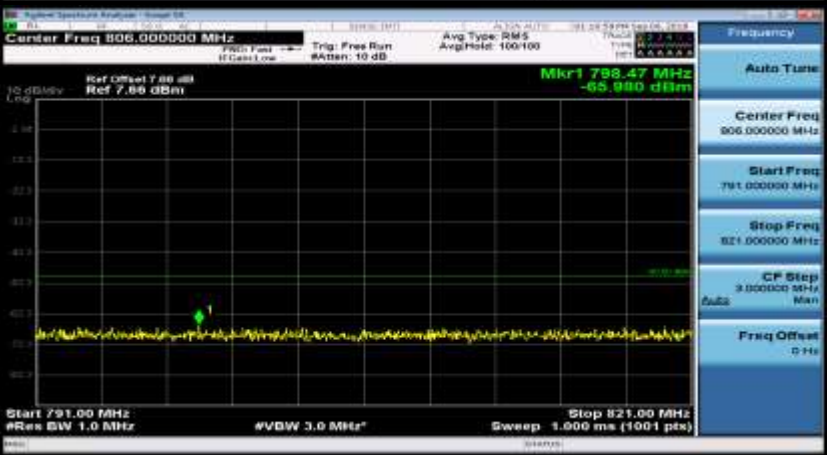
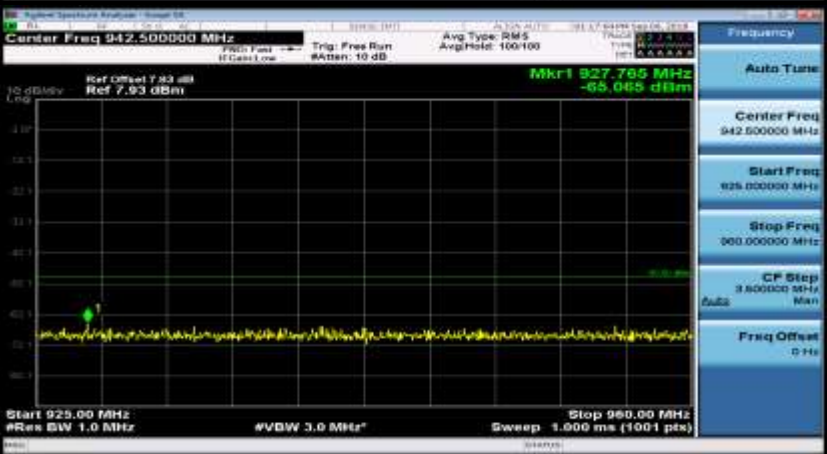
Co-existence	
Additional	NA

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

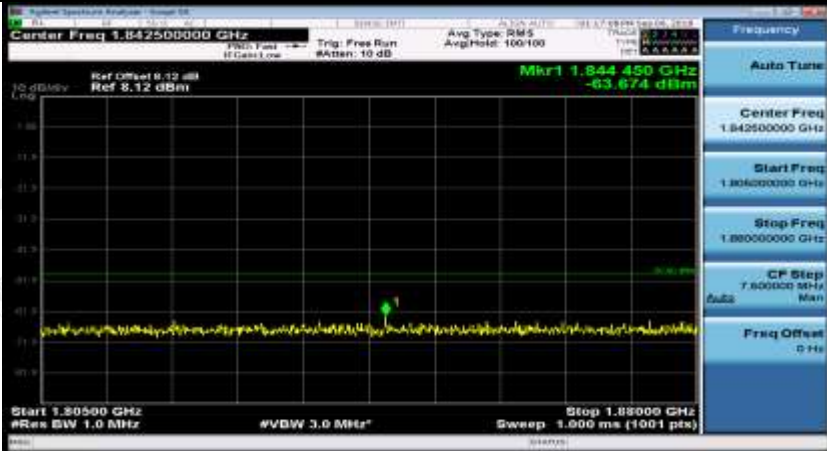
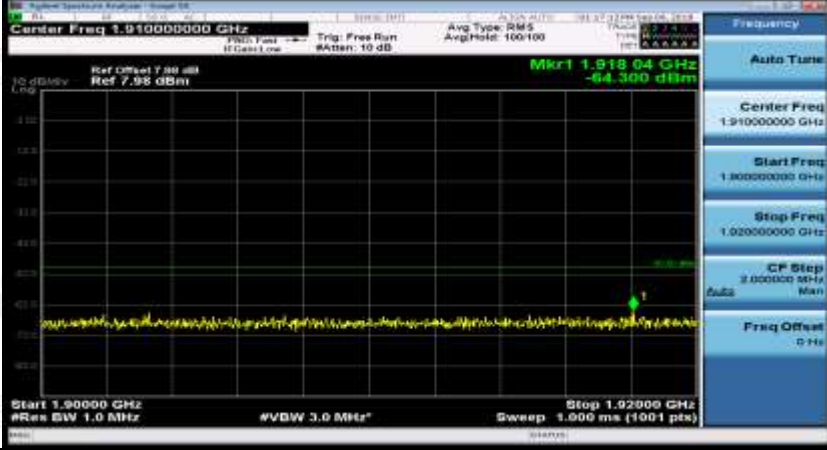
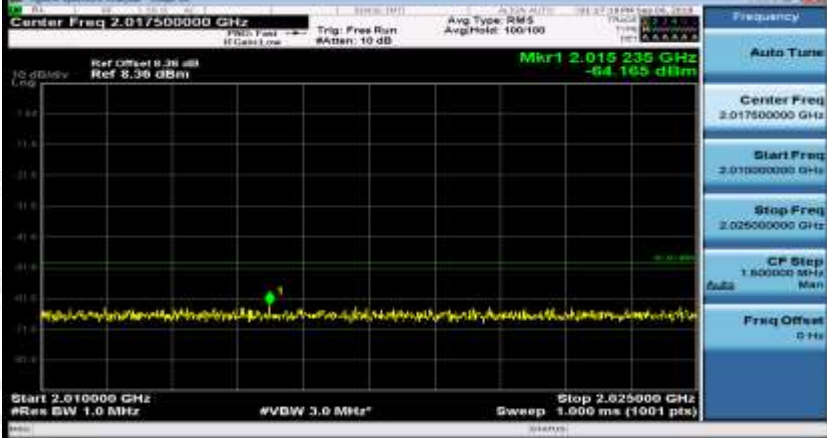
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General		
General		
General		

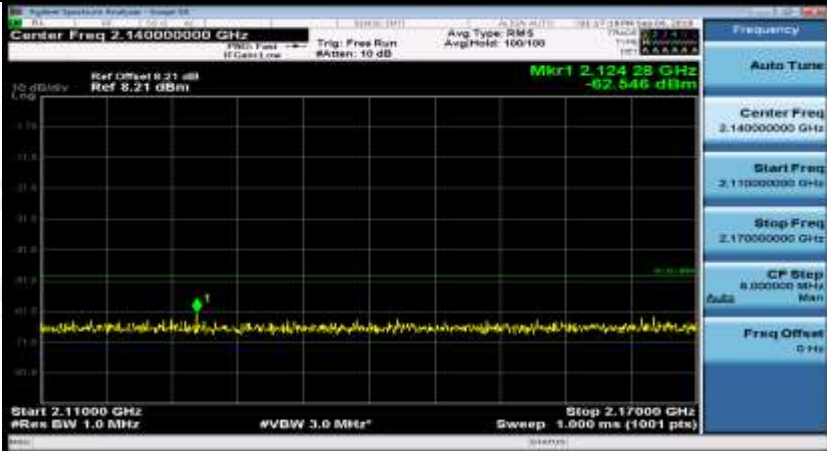
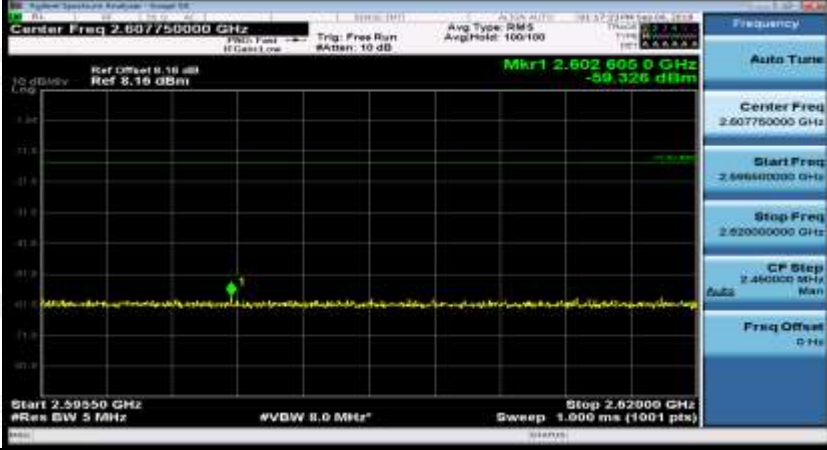
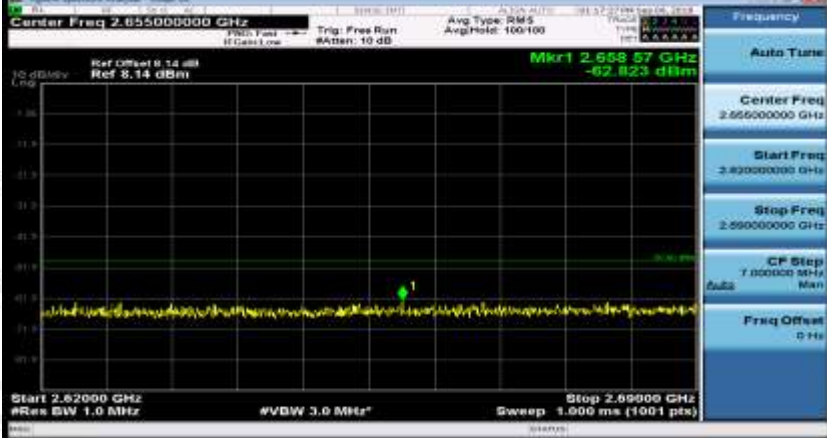
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General		
Co-existence		
Co-existence		

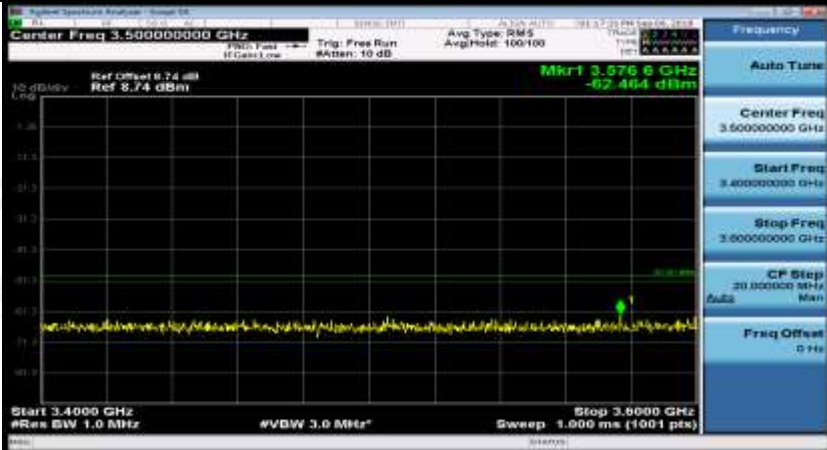
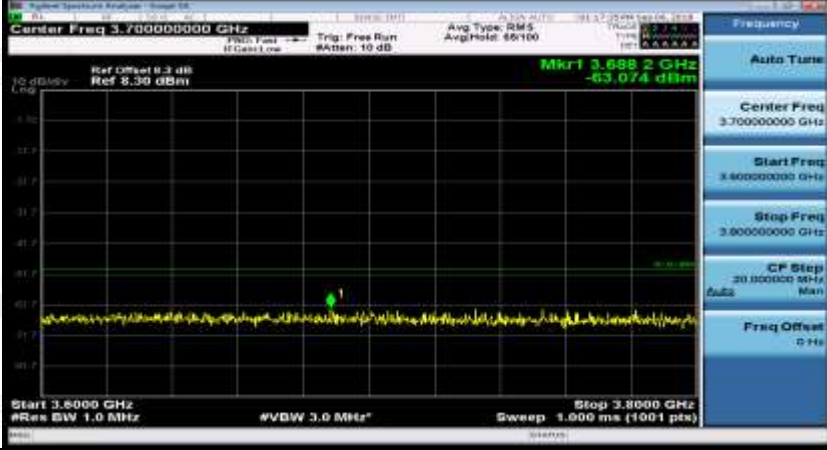
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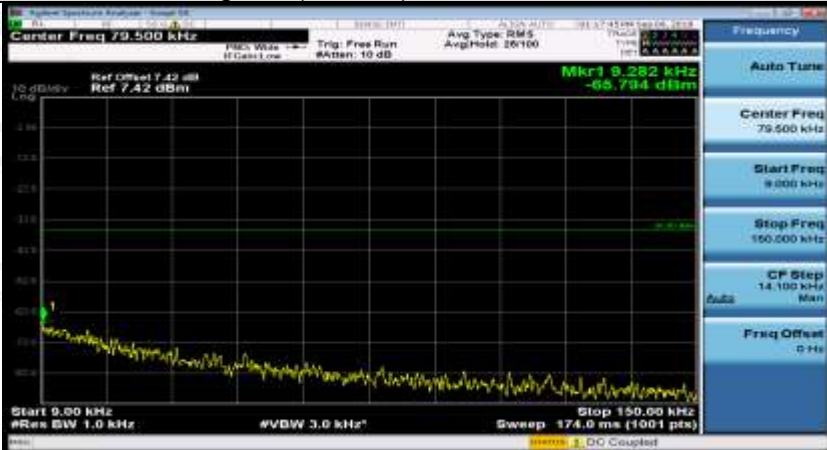
Co-existence		
Co-existence		
Co-existence		

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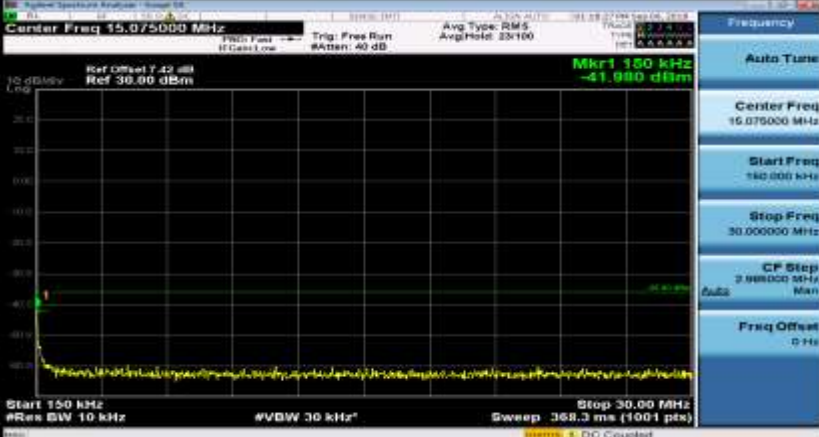
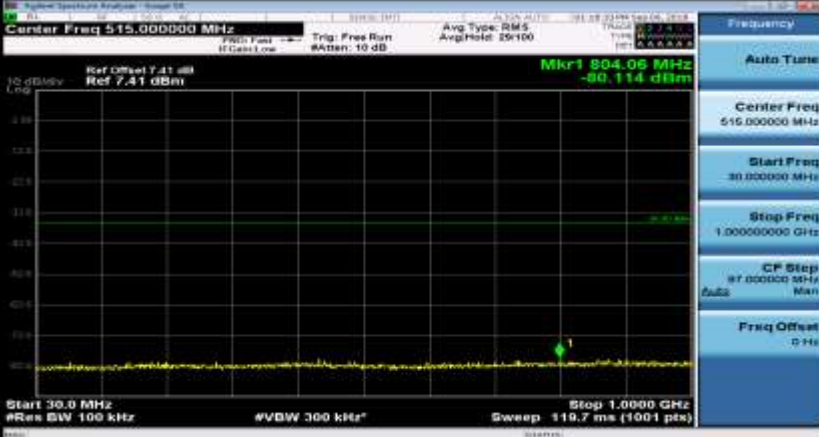
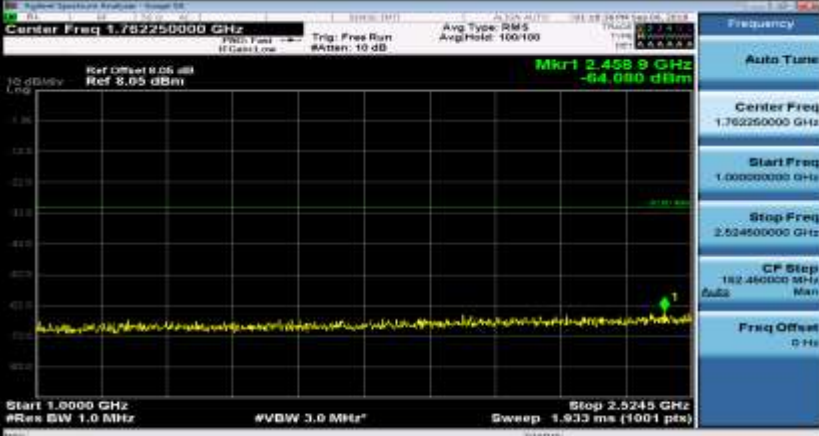
Co-existence	
Co-existence	
Co-existence	

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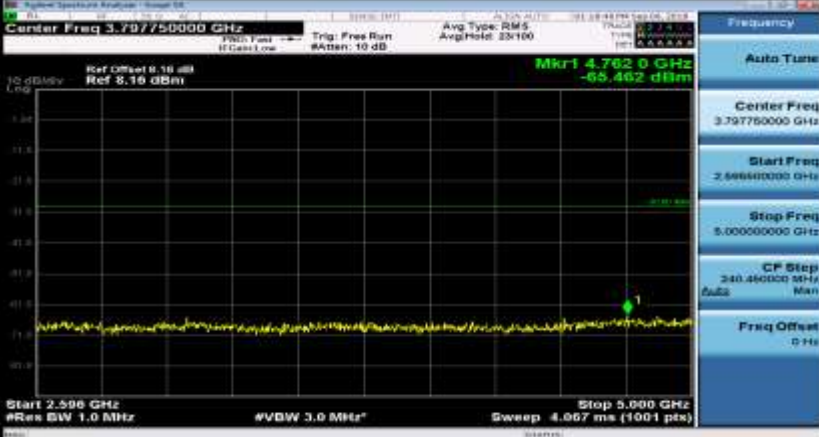


Co-existence	
Co-existence	
Additional	NA

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

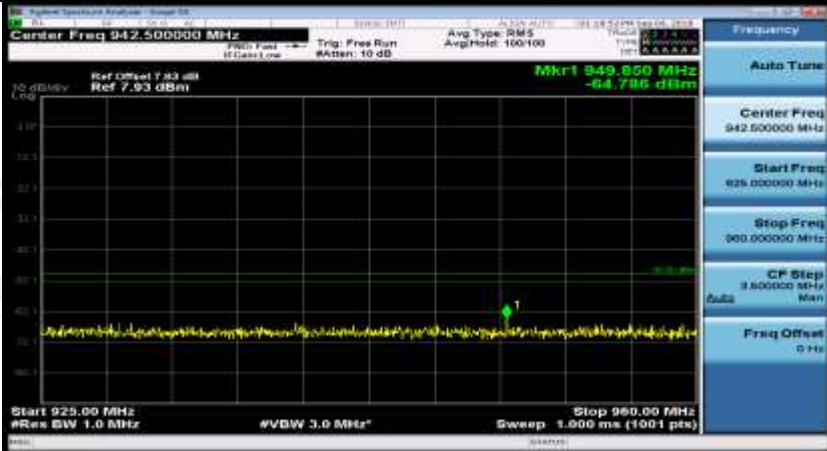
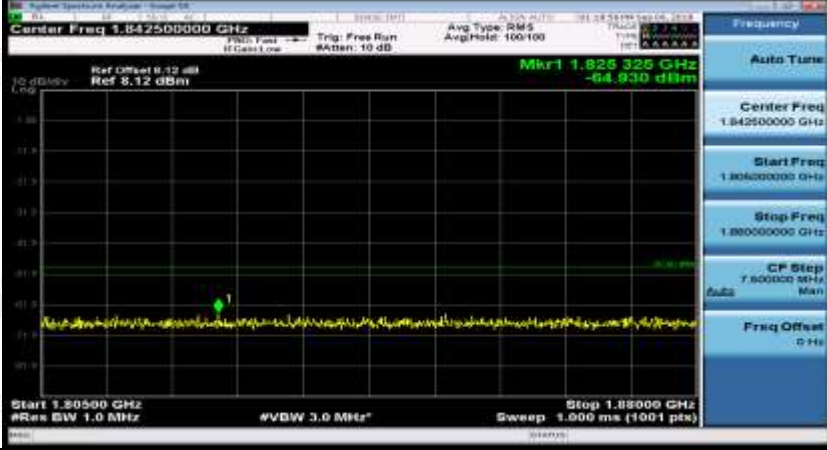
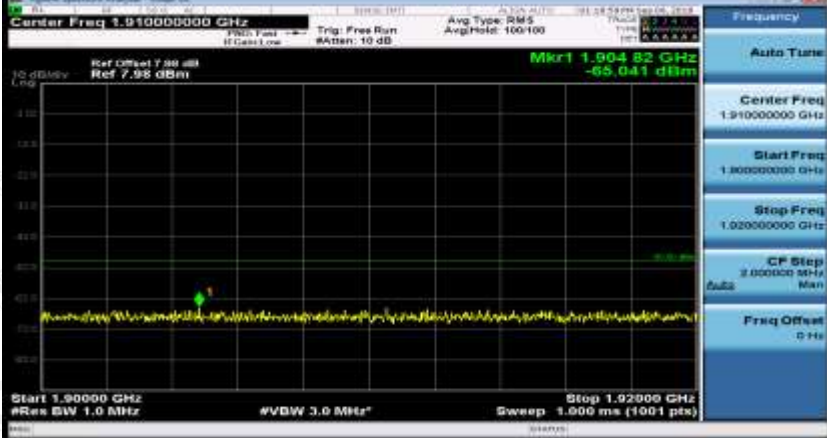
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General			
General			
General			

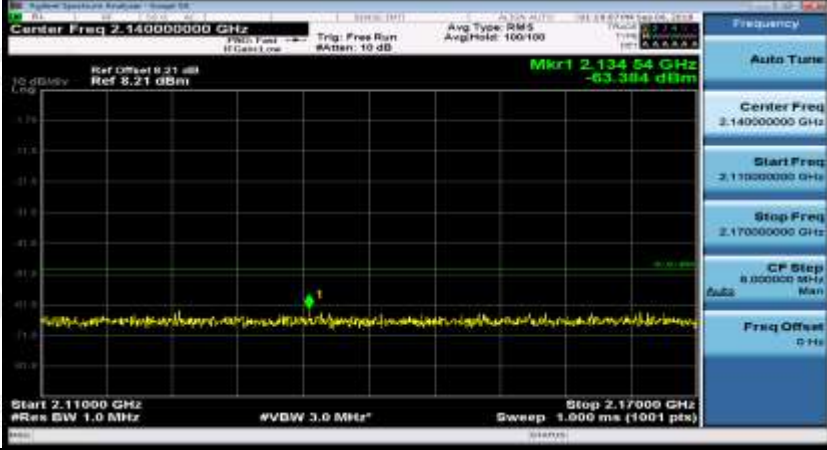
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General			
General			
Co-existence			

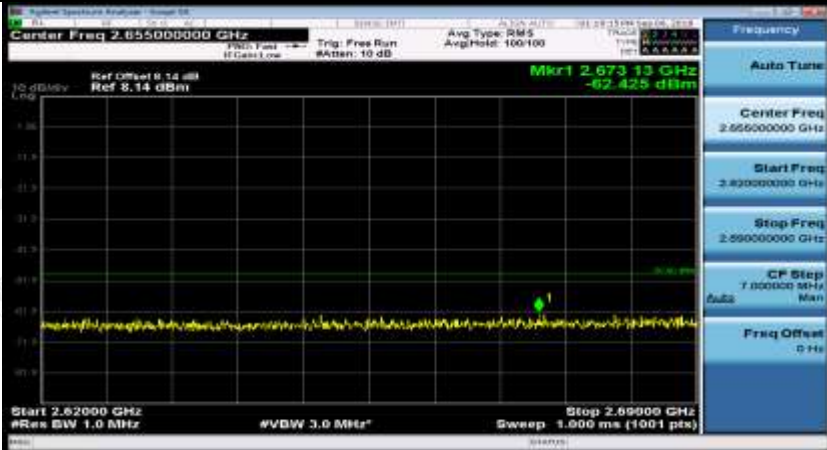
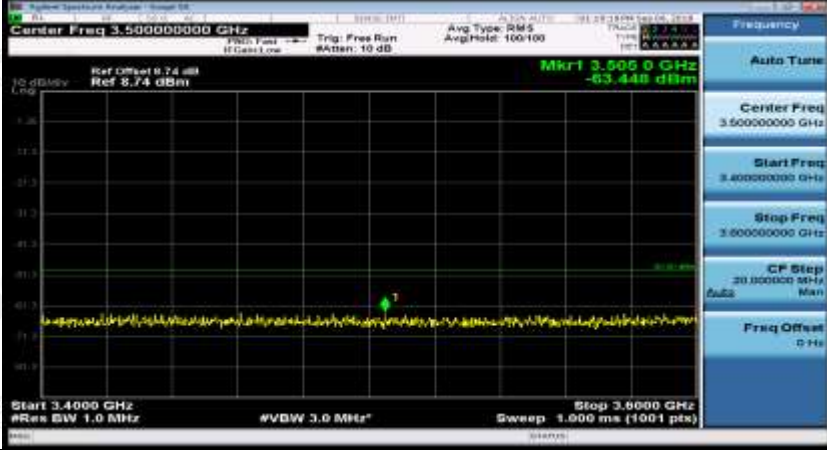
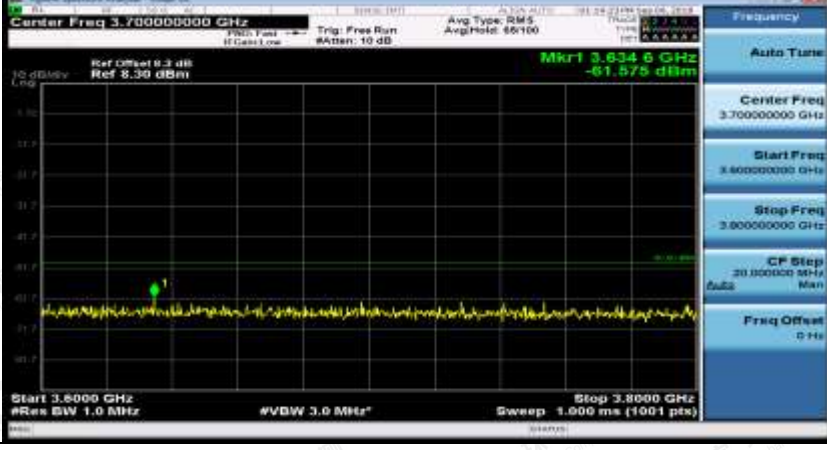
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
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

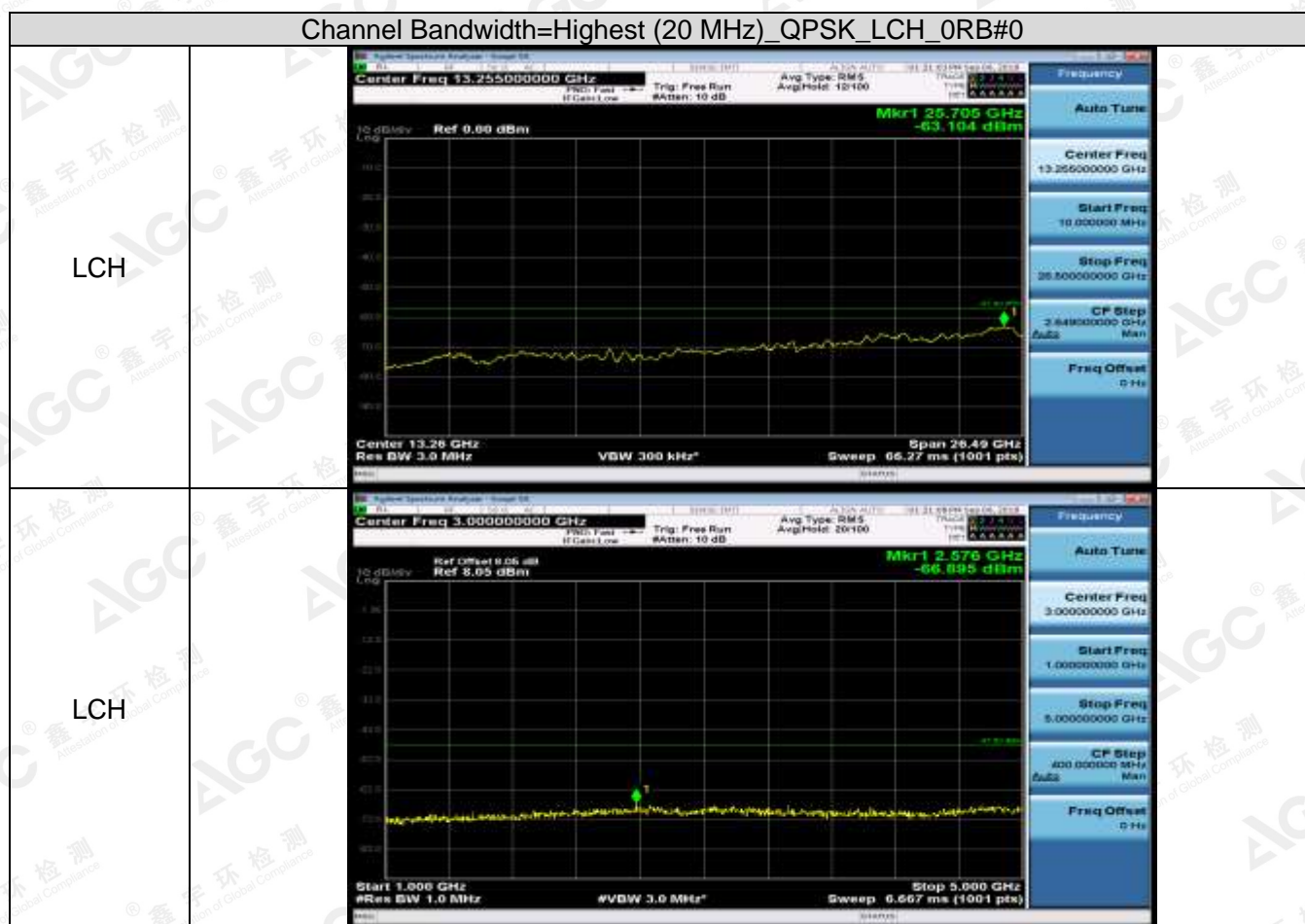
Channel Bandwidth=Highest

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

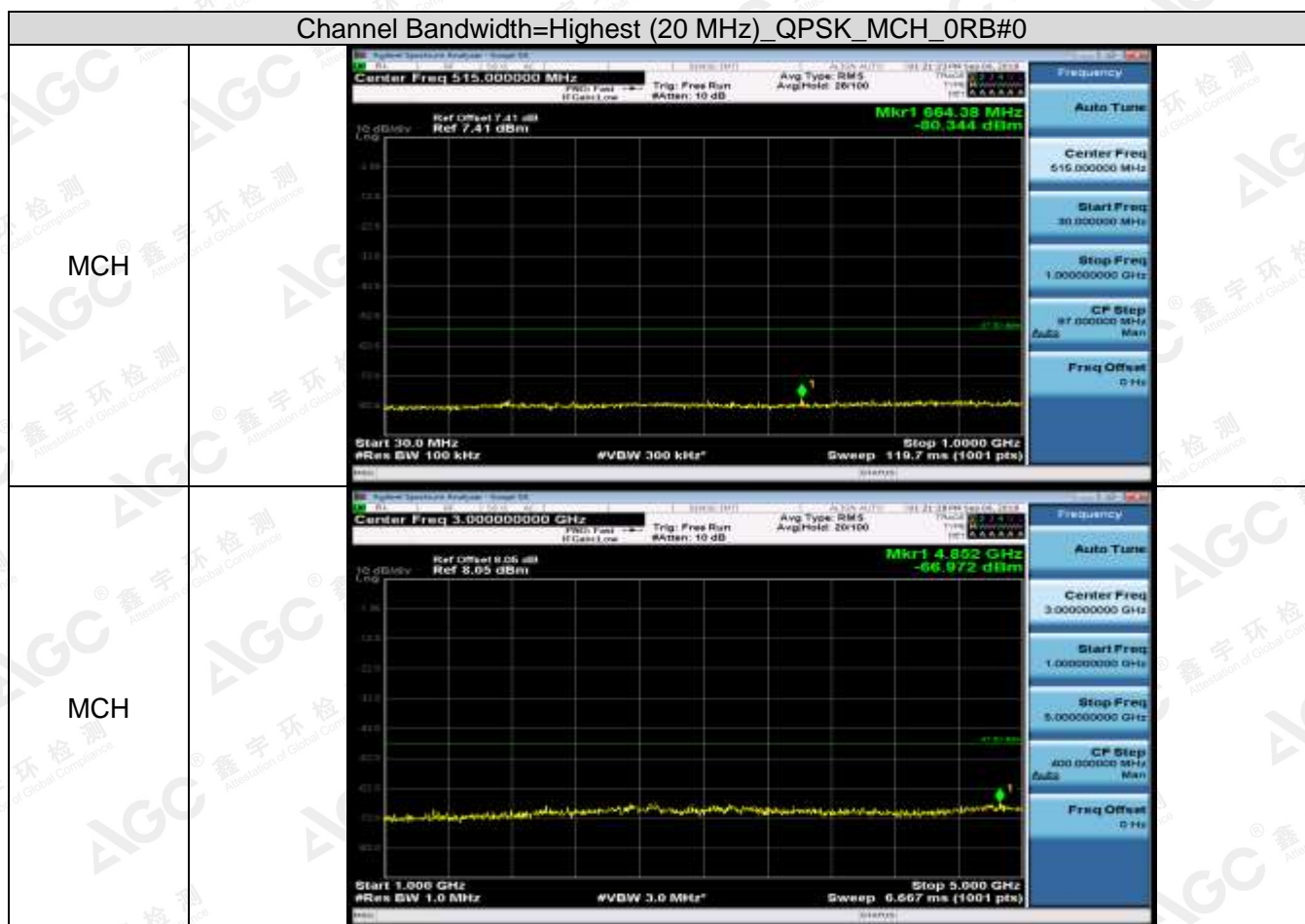
Test Graphs

NTNV

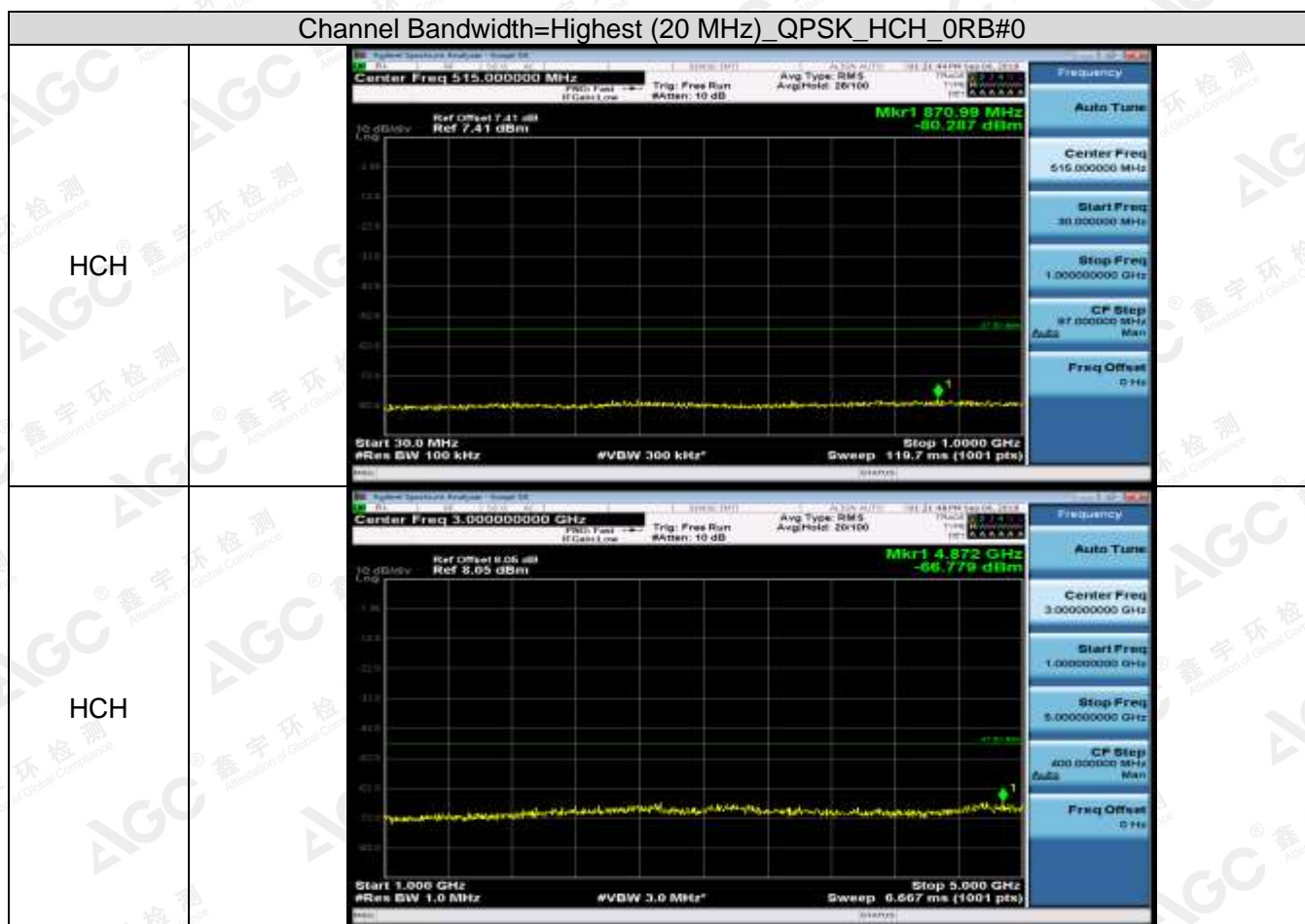
Channel Bandwidth=Highest



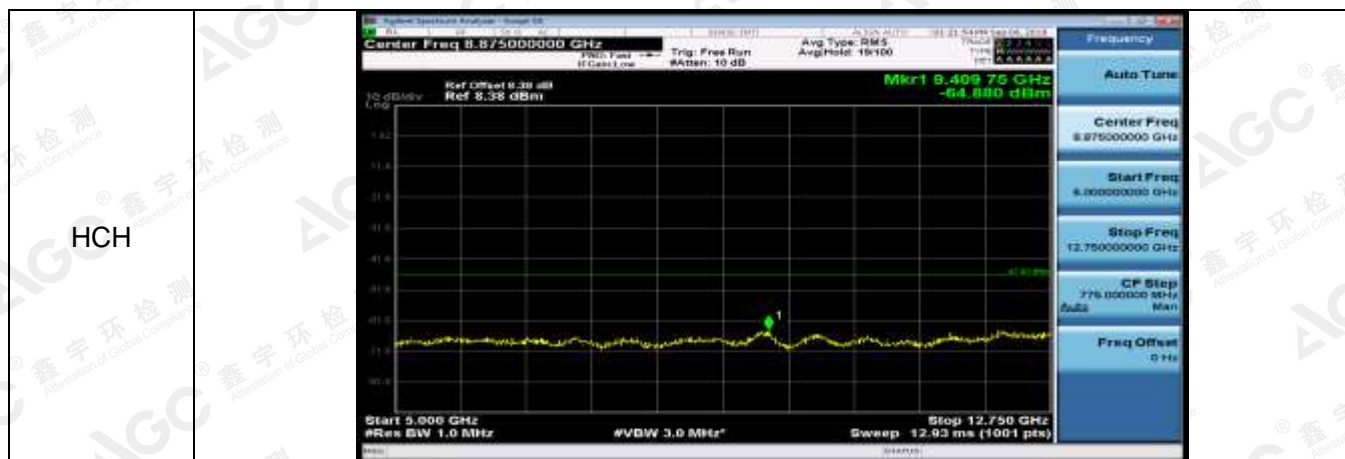
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7. Radiated spurious emissions - MS in idle mode

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	-86.25	-86.68	-87.25
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-73.41	-73.70	-73.38
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.89	-71.72	-72.64
Verdict	PASS					

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8. 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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9. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

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Out-of Band Blocking

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

Narrow Band

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

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10. 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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11. Receiver Intermodulation Characteristics

Test Results

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

Test Band						
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 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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12. Receiver Reference Sensitivity Level

Test Results

NTNV

	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfiguration		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
			FDD		FDD		
TNVN	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					
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					
TL,VH	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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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.

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.50	Pass
					max	23.55	Pass
				Partial	0	23.54	Pass
					max	23.54	Pass
			Mid range	1	0	23.48	Pass
					max	23.49	Pass
				Partial	0	23.53	Pass
					max	23.52	Pass
			High range	1	0	23.66	Pass
					max	23.74	Pass
				Partial	0	23.84	Pass
					max	23.88	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	1	0	23.49	Pass
					max	23.47	Pass
				Partial	0	23.52	Pass
					max	23.57	Pass
			Mid range	1	0	23.47	Pass
					max	23.42	Pass
				Partial	0	23.52	Pass
					max	23.47	Pass
			High range	1	0	23.63	Pass
					max	23.67	Pass
				Partial	0	23.77	Pass
					max	23.70	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		
Normal	QPSK	10 MHz	Low range	1	0	23.47	Pass
					max	23.44	Pass
				Partial	0	23.45	Pass
					max	23.51	Pass
			Mid range	1	0	23.47	Pass
					max	23.47	Pass
				Partial	0	23.49	Pass
					max	23.48	Pass
			High range	1	0	23.62	Pass
					max	23.60	Pass
				Partial	0	23.63	Pass
					max	23.64	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.

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-49.51	Pass
			Mid range	Full	0	-45.90	Pass
			High range	Full	0	-45.92	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-46.18	Pass
			Mid range	Full	0	-46.02	Pass
			High range	Full	0	-46.26	Pass

Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	10MHz	Low range	Full	0	-45.56	Pass
			Mid range	Full	0	-45.71	Pass
			High range	Full	0	-45.46	Pass

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3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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

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			Mid range		max	PUMAX	Pass
				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 (10MHz)							
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)



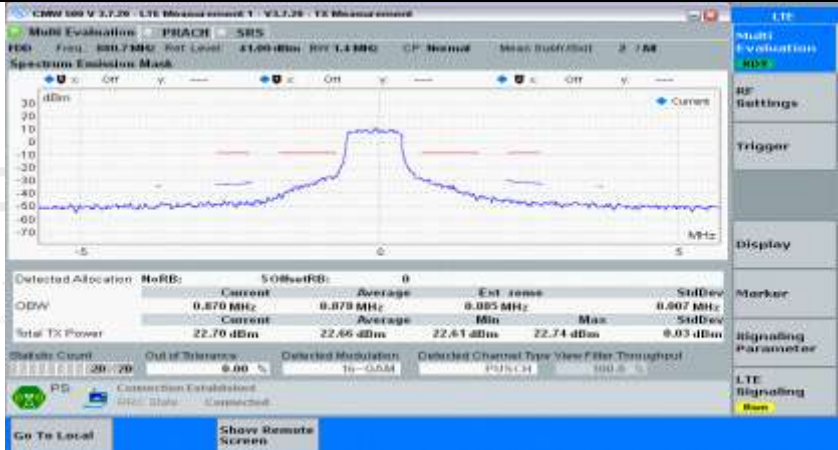
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QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0</p>

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QPSK																															
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max																															
QPSK																															
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0																															
QPSK	 <table><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB:</th><th colspan="2">60RB#0RB:</th><th colspan="2">Average</th><th colspan="2">Ext. Annex</th></tr><tr><td>CDW</td><td>1,050 MHz</td><td>Current</td><td>1,050 MHz</td><td>Average</td><td>1,050 MHz</td><td>Min</td><td>Max</td><td>SdBW</td><td>0.00 dBm</td></tr><tr><td>Total TX Power</td><td>22.91 dBm</td><td>Current</td><td>22.80 dBm</td><td>Average</td><td>22.70 dBm</td><td>Min</td><td>Max</td><td>SdBW</td><td>0.07 dBm</td></tr></table>	Detected Allocation		NoRB:		60RB#0RB:		Average		Ext. Annex		CDW	1,050 MHz	Current	1,050 MHz	Average	1,050 MHz	Min	Max	SdBW	0.00 dBm	Total TX Power	22.91 dBm	Current	22.80 dBm	Average	22.70 dBm	Min	Max	SdBW	0.07 dBm
Detected Allocation		NoRB:		60RB#0RB:		Average		Ext. Annex																							
CDW	1,050 MHz	Current	1,050 MHz	Average	1,050 MHz	Min	Max	SdBW	0.00 dBm																						
Total TX Power	22.91 dBm	Current	22.80 dBm	Average	22.70 dBm	Min	Max	SdBW	0.07 dBm																						
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0																															

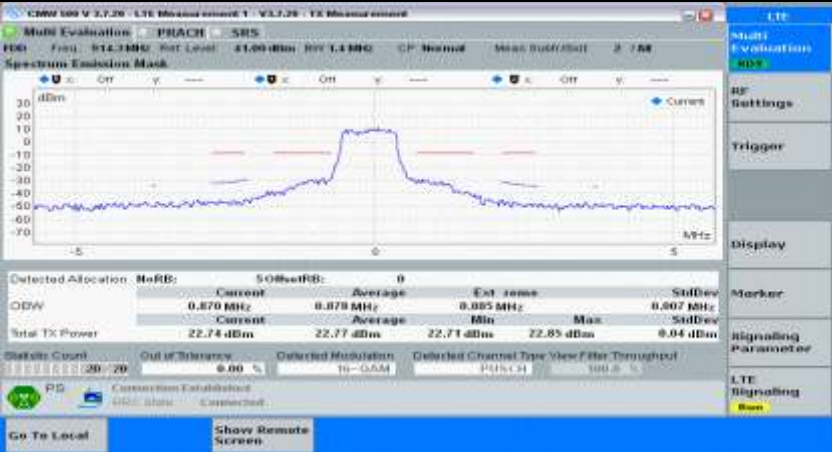
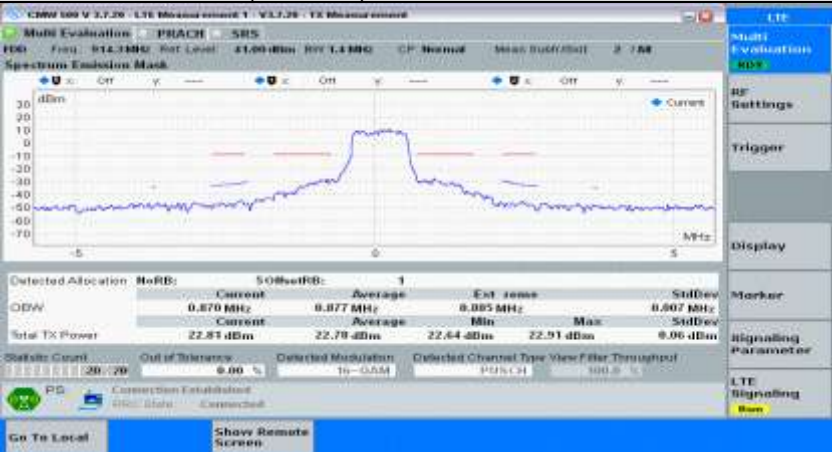
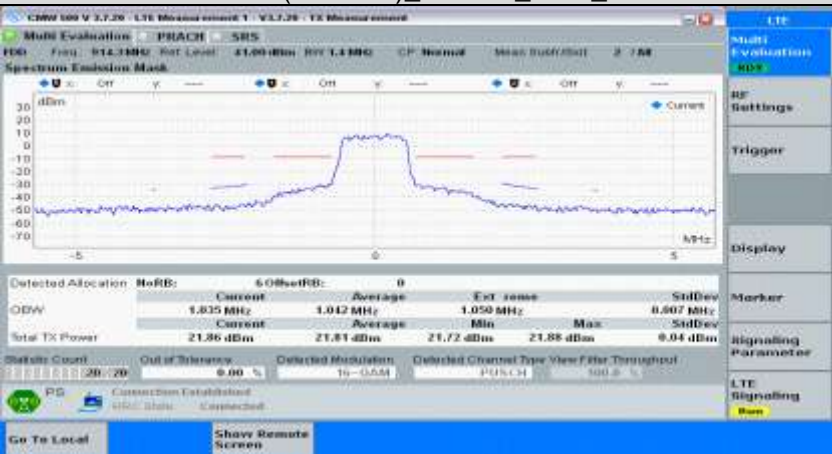
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16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0	

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

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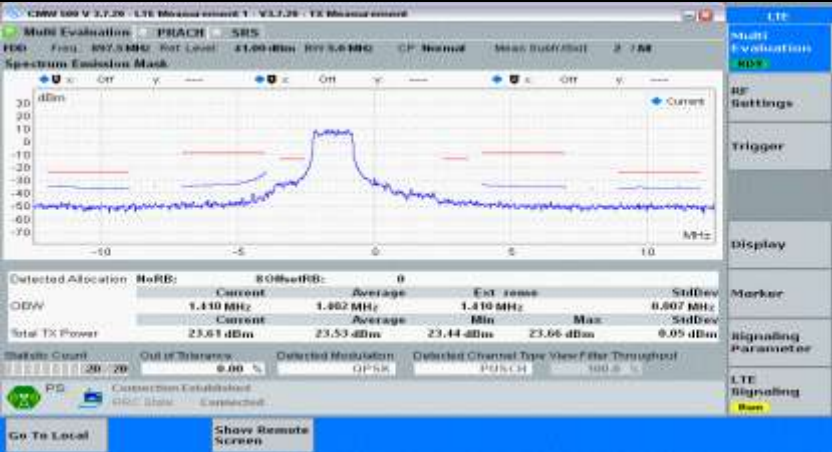
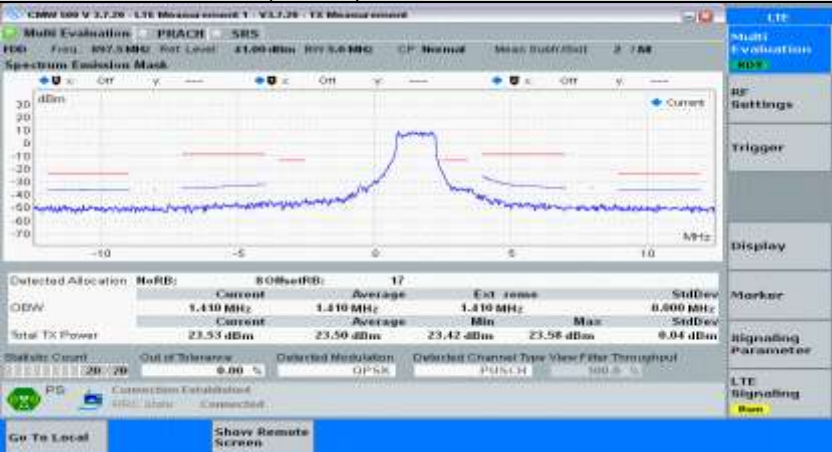
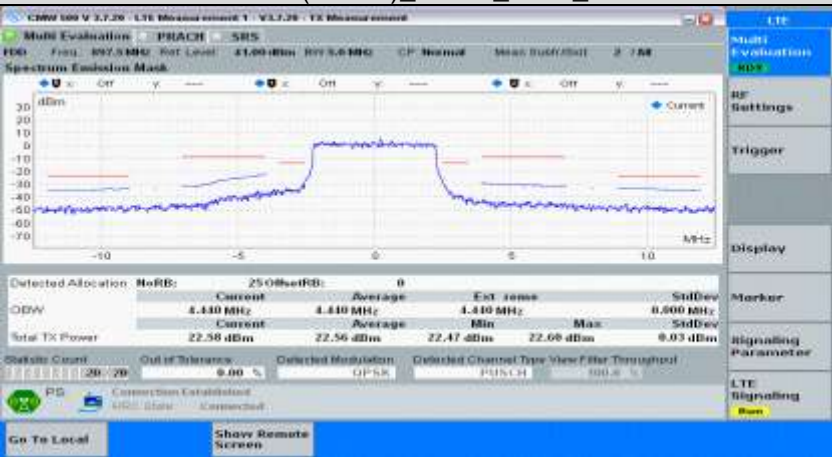
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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

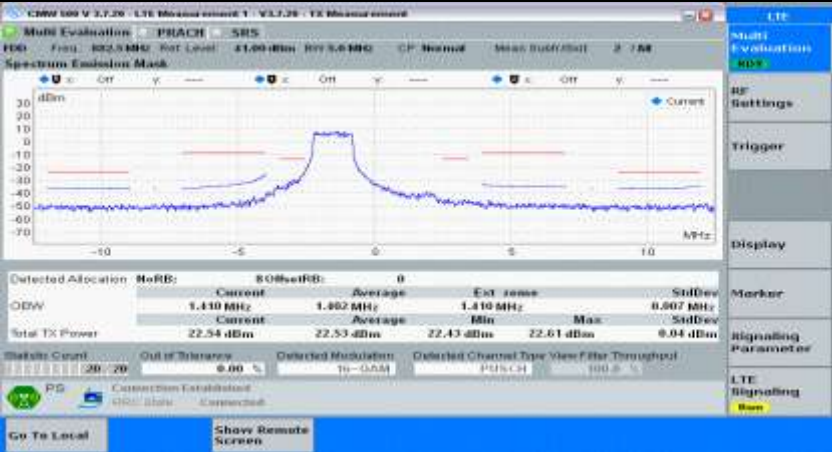
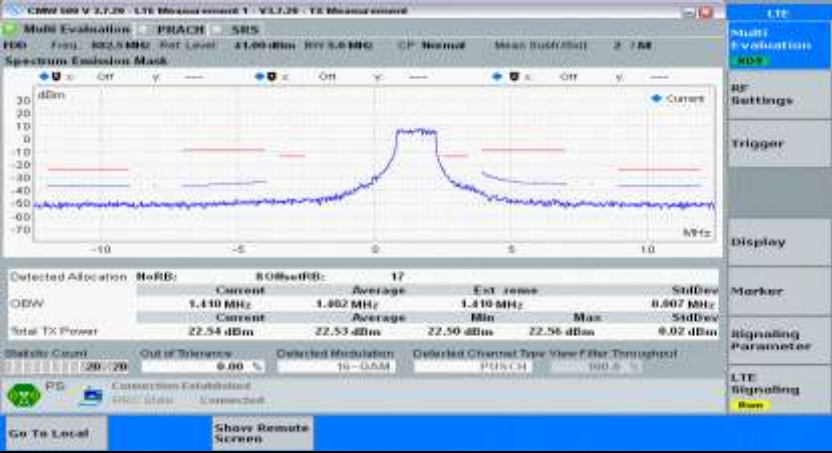
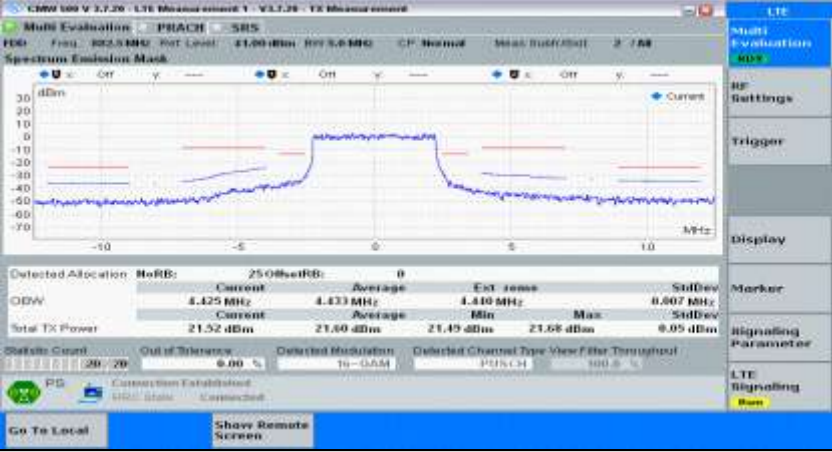
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	

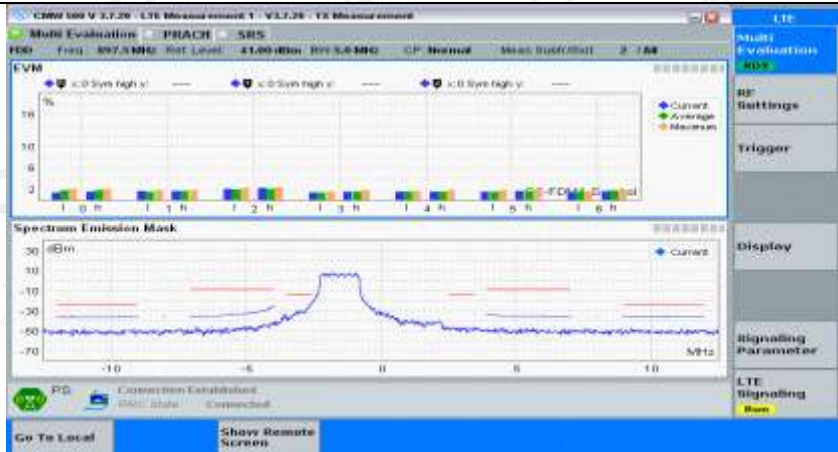
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QPSK																																									
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max																																									
QPSK																																									
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0																																									
QPSK	 <table><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB#</th><th colspan="2">250#</th><th colspan="2">RB#</th><th colspan="2">0</th></tr><tr><th>Current</th><th>Average</th><th>Current</th><th>Average</th><th>Ext. sense</th><th>SidBw</th><th>Current</th><th>Average</th><th>Ext. sense</th><th>SidBw</th></tr><tr><td>4.425 MHz</td><td>4.425 MHz</td><td>4.425 MHz</td><td>4.425 MHz</td><td>4.425 MHz</td><td>0.000 MHz</td><td>4.425 MHz</td><td>4.425 MHz</td><td>4.425 MHz</td><td>0.000 MHz</td></tr><tr><td>22.72 dBm</td><td>22.77 dBm</td><td>22.67 dBm</td><td>22.95 dBm</td><td>22.67 dBm</td><td>0.07 dBm</td><td>22.72 dBm</td><td>22.77 dBm</td><td>22.67 dBm</td><td>0.07 dBm</td></tr></table>	Detected Allocation		NoRB#		250#		RB#		0		Current	Average	Current	Average	Ext. sense	SidBw	Current	Average	Ext. sense	SidBw	4.425 MHz	4.425 MHz	4.425 MHz	4.425 MHz	4.425 MHz	0.000 MHz	4.425 MHz	4.425 MHz	4.425 MHz	0.000 MHz	22.72 dBm	22.77 dBm	22.67 dBm	22.95 dBm	22.67 dBm	0.07 dBm	22.72 dBm	22.77 dBm	22.67 dBm	0.07 dBm
Detected Allocation		NoRB#		250#		RB#		0																																	
Current	Average	Current	Average	Ext. sense	SidBw	Current	Average	Ext. sense	SidBw																																
4.425 MHz	4.425 MHz	4.425 MHz	4.425 MHz	4.425 MHz	0.000 MHz	4.425 MHz	4.425 MHz	4.425 MHz	0.000 MHz																																
22.72 dBm	22.77 dBm	22.67 dBm	22.95 dBm	22.67 dBm	0.07 dBm	22.72 dBm	22.77 dBm	22.67 dBm	0.07 dBm																																
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0																																									

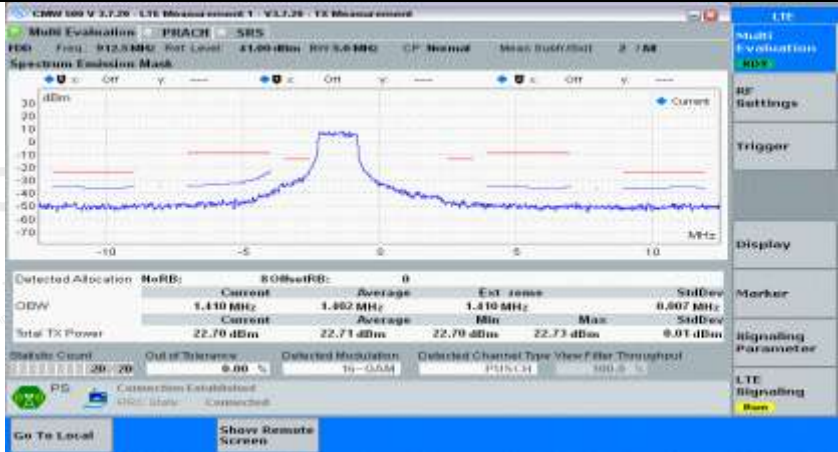
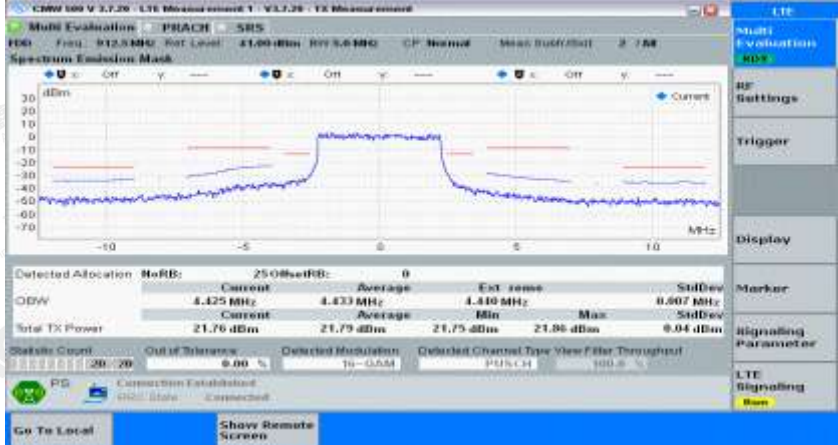
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

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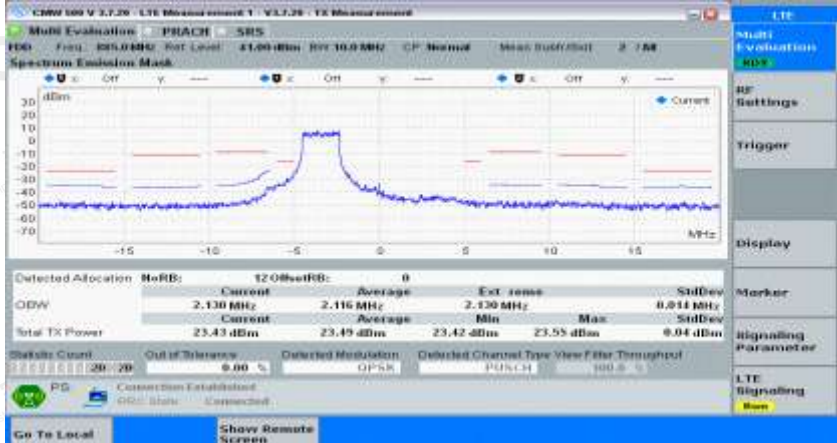
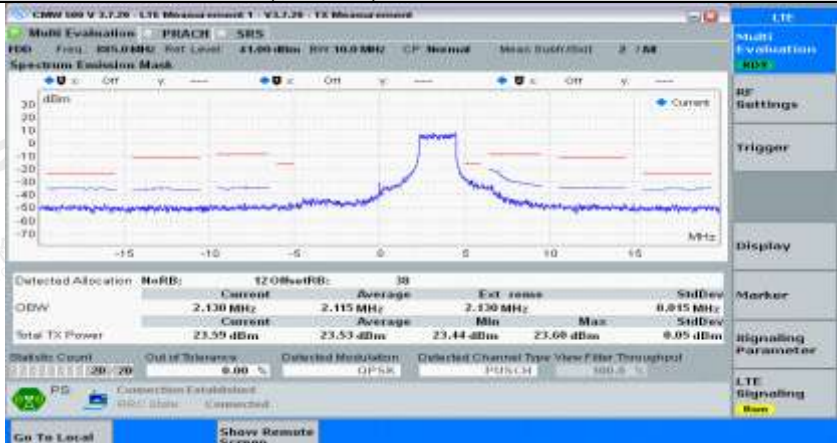
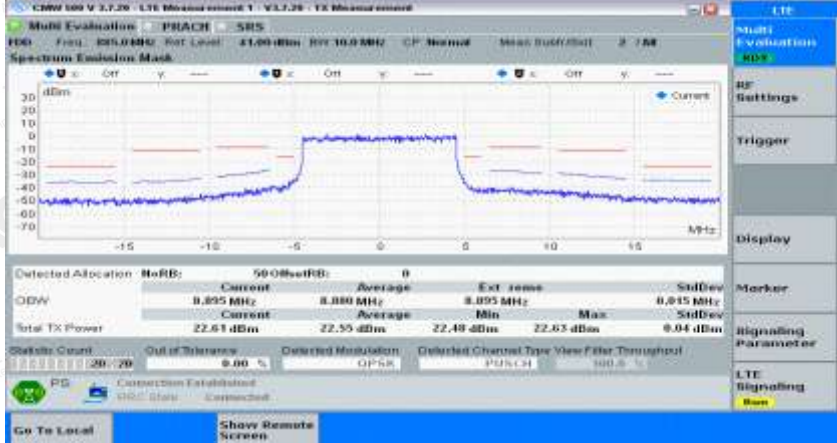
16QAM																																	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max																																	
16QAM																																	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0																																	
16QAM	 <table data-bbox="469 1487 1131 1599"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB</th><th colspan="2">250RB</th><th colspan="2">Ext. sense</th></tr><tr><td>Current</td><td>4.410 MHz</td><td>Average</td><td>4.410 MHz</td><td>Ext. sense</td><td>4.425 MHz</td><td>0.507 MHz</td><td>0.507 MHz</td></tr><tr><td>Min</td><td>21.48 dBm</td><td>Average</td><td>21.46 dBm</td><td>Min</td><td>21.36 dBm</td><td>Max</td><td>21.57 dBm</td></tr><tr><td>Max</td><td>21.48 dBm</td><td>Max</td><td>21.46 dBm</td><td>Max</td><td>21.36 dBm</td><td>Min</td><td>21.57 dBm</td></tr></table>	Detected Allocation		NoRB		250RB		Ext. sense		Current	4.410 MHz	Average	4.410 MHz	Ext. sense	4.425 MHz	0.507 MHz	0.507 MHz	Min	21.48 dBm	Average	21.46 dBm	Min	21.36 dBm	Max	21.57 dBm	Max	21.48 dBm	Max	21.46 dBm	Max	21.36 dBm	Min	21.57 dBm
Detected Allocation		NoRB		250RB		Ext. sense																											
Current	4.410 MHz	Average	4.410 MHz	Ext. sense	4.425 MHz	0.507 MHz	0.507 MHz																										
Min	21.48 dBm	Average	21.46 dBm	Min	21.36 dBm	Max	21.57 dBm																										
Max	21.48 dBm	Max	21.46 dBm	Max	21.36 dBm	Min	21.57 dBm																										
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0																																	

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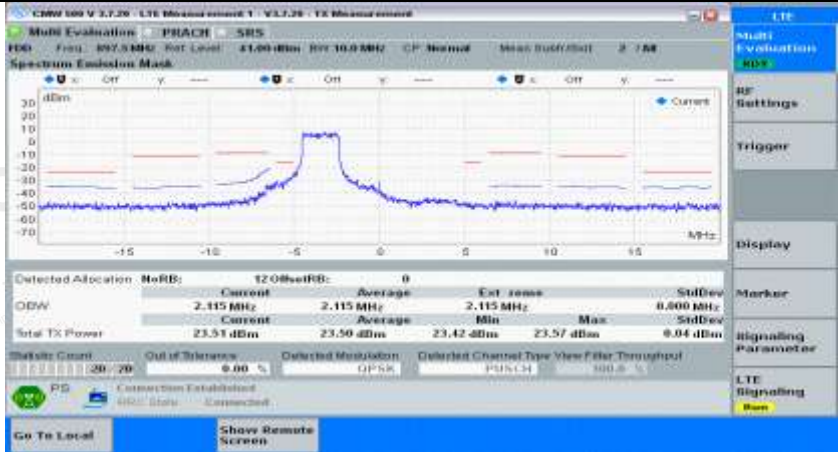
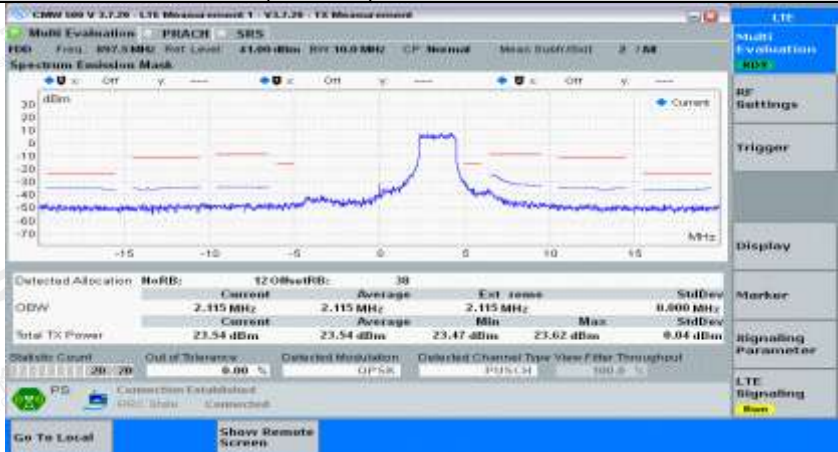
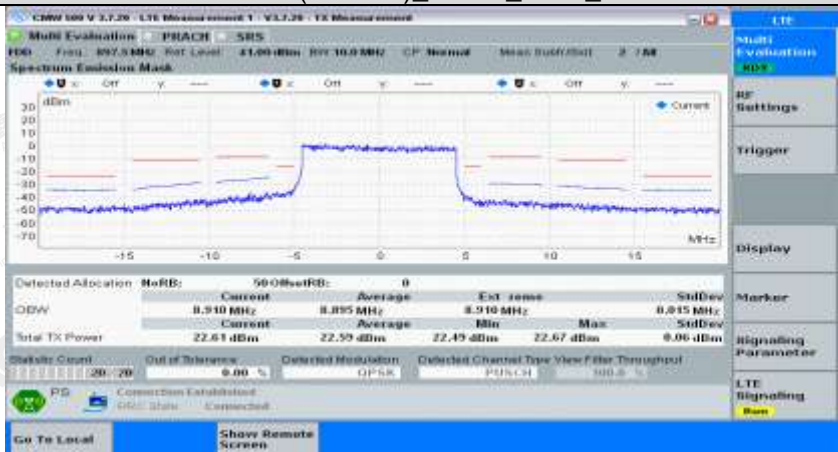
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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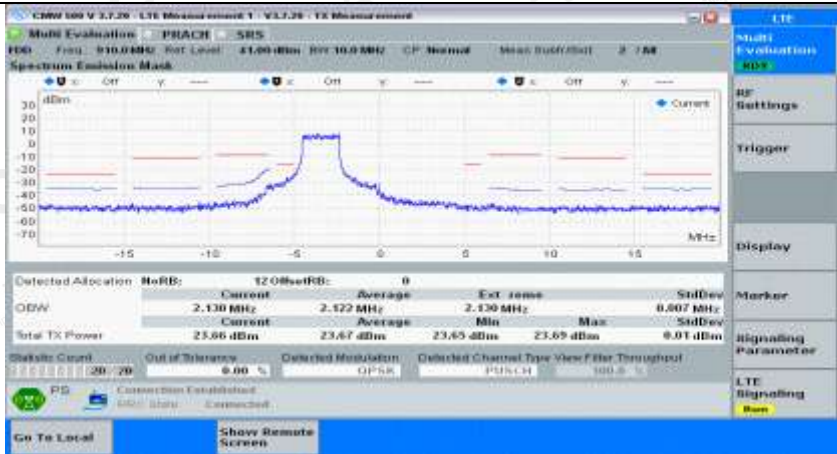
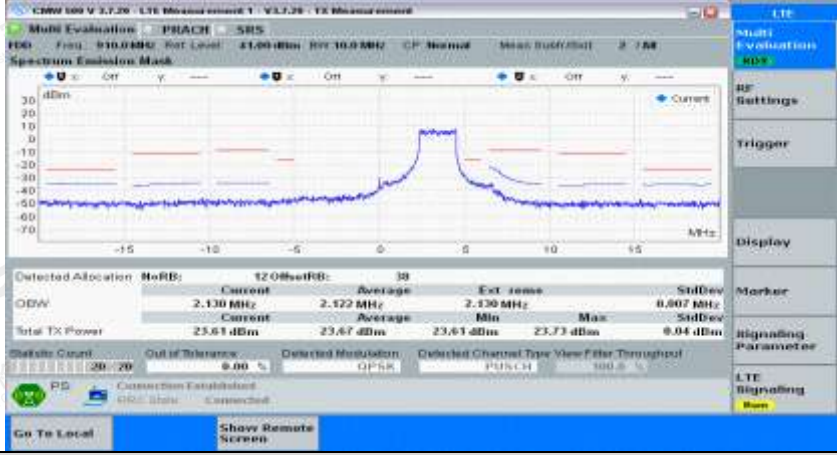
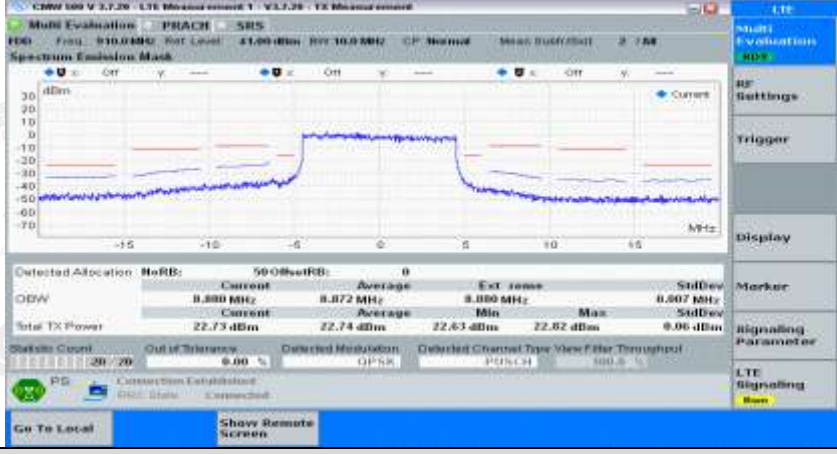
Channel Bandwidth=Highest (10 MHz)

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

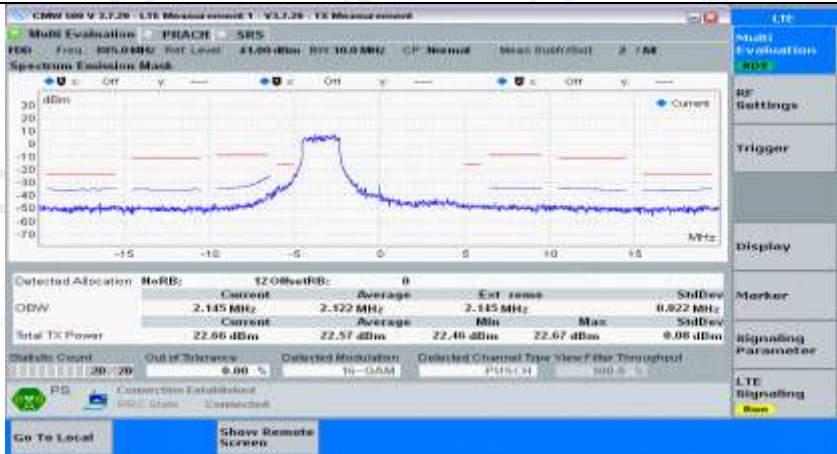
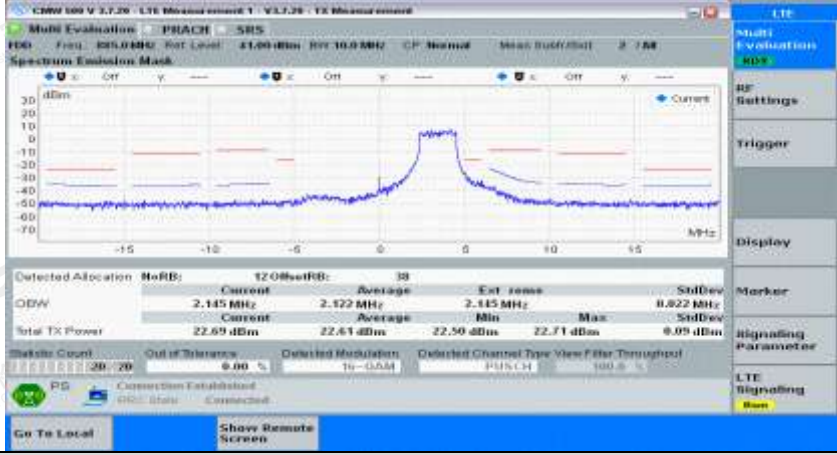
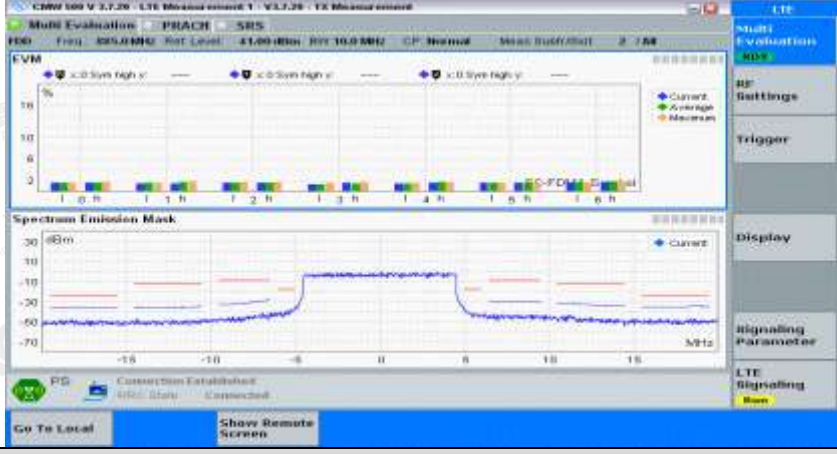
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

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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	

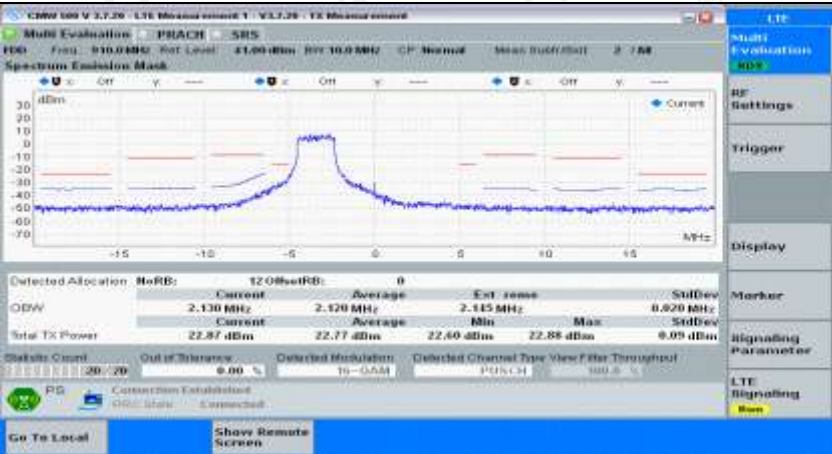
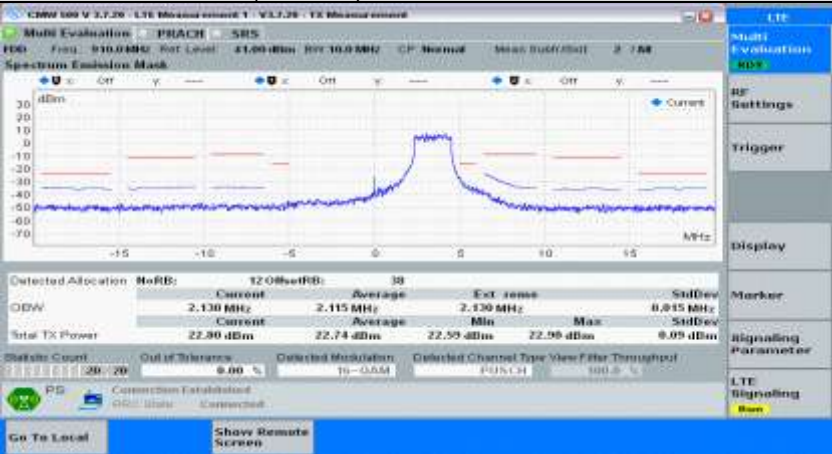
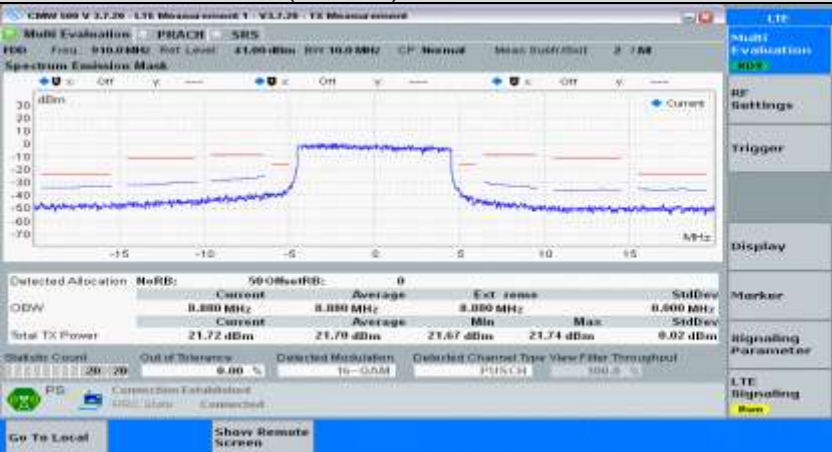
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

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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	 <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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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.

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
			Full	Full	0	PUMAX	Pass
					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 (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	 <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	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>50RB</th><th>50RB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td>52.26 dB</td><td>47.07 dB</td><td>42.52 dB</td><td>22.10 dBm</td><td>45.22 dB</td><td>47.79 dB</td><td>52.05 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>52.35 dB</td><td>46.45 dB</td><td>42.16 dB</td><td>22.36 dBm</td><td>44.74 dB</td><td>47.67 dB</td><td>52.31 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	50RB	50RB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR	52.26 dB	47.07 dB	42.52 dB	22.10 dBm	45.22 dB	47.79 dB	52.05 dB				Average	52.35 dB	46.45 dB	42.16 dB	22.36 dBm	44.74 dB	47.67 dB	52.31 dB			
Det. Alloc.	NoRB	50RB	50RB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
ACLR	52.26 dB	47.07 dB	42.52 dB	22.10 dBm	45.22 dB	47.79 dB	52.05 dB																											
Average	52.35 dB	46.45 dB	42.16 dB	22.36 dBm	44.74 dB	47.67 dB	52.31 dB																											
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max																																		
16QAM	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>50RB</th><th>50RB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td>52.14 dB</td><td>48.47 dB</td><td>46.10 dB</td><td>22.16 dBm</td><td>42.66 dB</td><td>46.51 dB</td><td>51.99 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>52.39 dB</td><td>48.01 dB</td><td>45.08 dB</td><td>22.38 dBm</td><td>42.27 dB</td><td>46.23 dB</td><td>52.33 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	50RB	50RB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR	52.14 dB	48.47 dB	46.10 dB	22.16 dBm	42.66 dB	46.51 dB	51.99 dB				Average	52.39 dB	48.01 dB	45.08 dB	22.38 dBm	42.27 dB	46.23 dB	52.33 dB			
Det. Alloc.	NoRB	50RB	50RB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
ACLR	52.14 dB	48.47 dB	46.10 dB	22.16 dBm	42.66 dB	46.51 dB	51.99 dB																											
Average	52.39 dB	48.01 dB	45.08 dB	22.38 dBm	42.27 dB	46.23 dB	52.33 dB																											
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0																																		
16QAM	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>50RB</th><th>50RB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td>51.35 dB</td><td>45.74 dB</td><td>42.08 dB</td><td>21.29 dBm</td><td>42.73 dB</td><td>45.78 dB</td><td>51.34 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>51.41 dB</td><td>45.88 dB</td><td>41.77 dB</td><td>21.57 dBm</td><td>42.42 dB</td><td>45.56 dB</td><td>51.26 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	50RB	50RB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR	51.35 dB	45.74 dB	42.08 dB	21.29 dBm	42.73 dB	45.78 dB	51.34 dB				Average	51.41 dB	45.88 dB	41.77 dB	21.57 dBm	42.42 dB	45.56 dB	51.26 dB			
Det. Alloc.	NoRB	50RB	50RB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
ACLR	51.35 dB	45.74 dB	42.08 dB	21.29 dBm	42.73 dB	45.78 dB	51.34 dB																											
Average	51.41 dB	45.88 dB	41.77 dB	21.57 dBm	42.42 dB	45.56 dB	51.26 dB																											
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0																																		

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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_FullIRB#0

QPSK






Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0

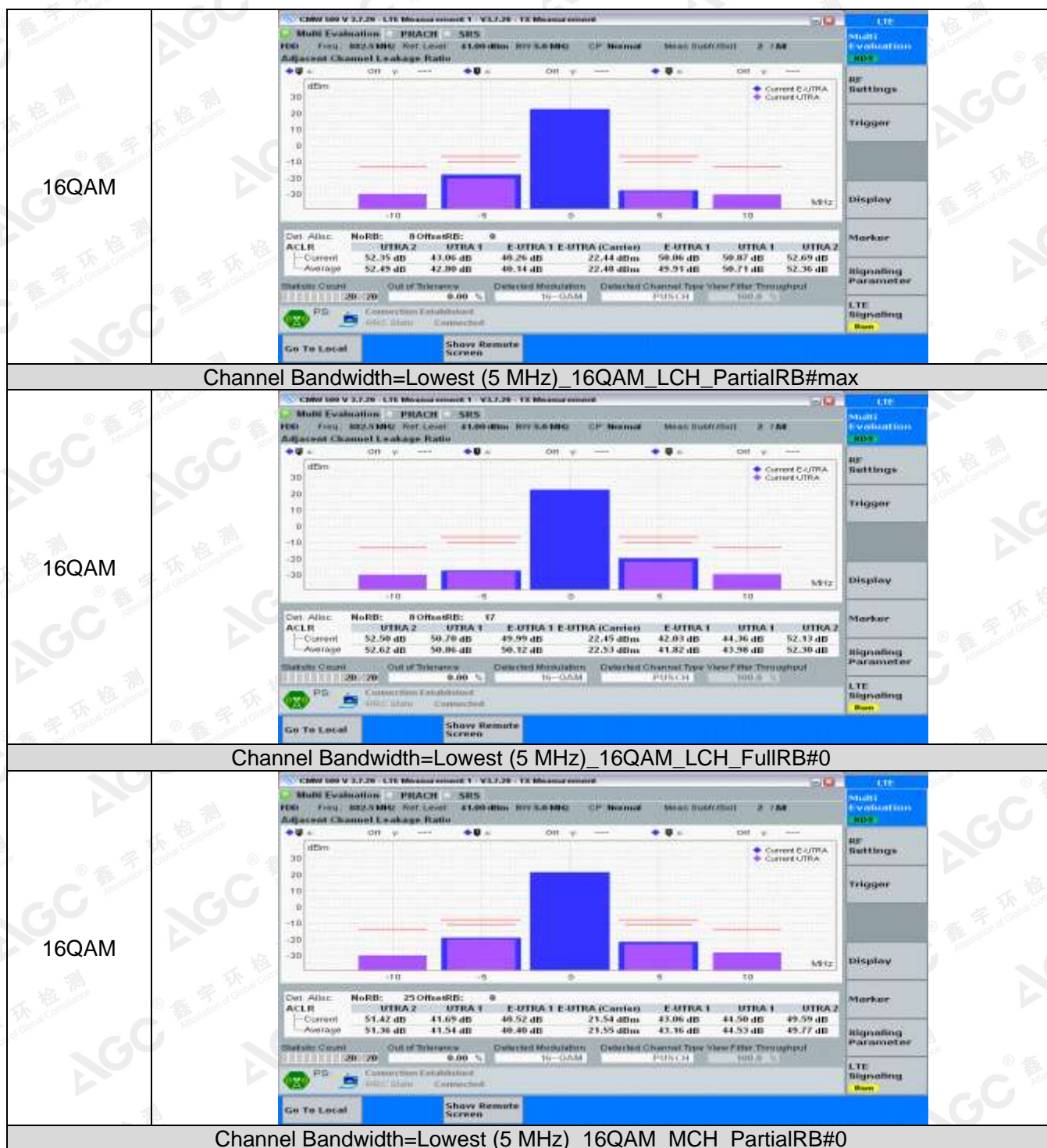
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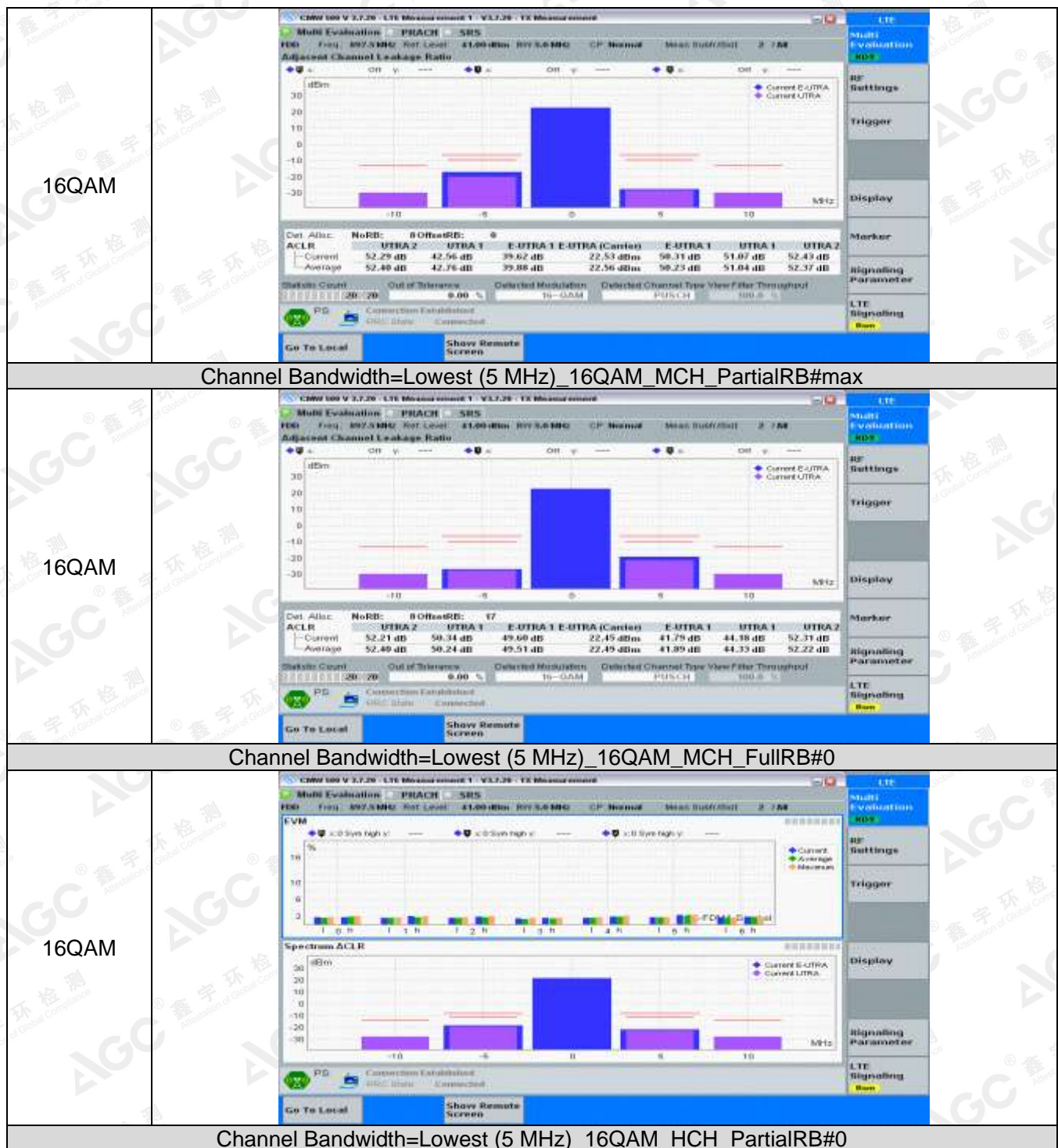
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QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>

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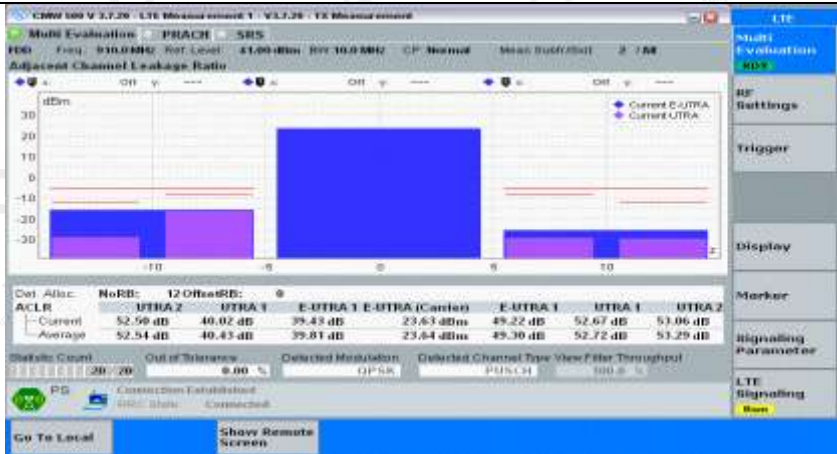


Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_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_FullRB#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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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

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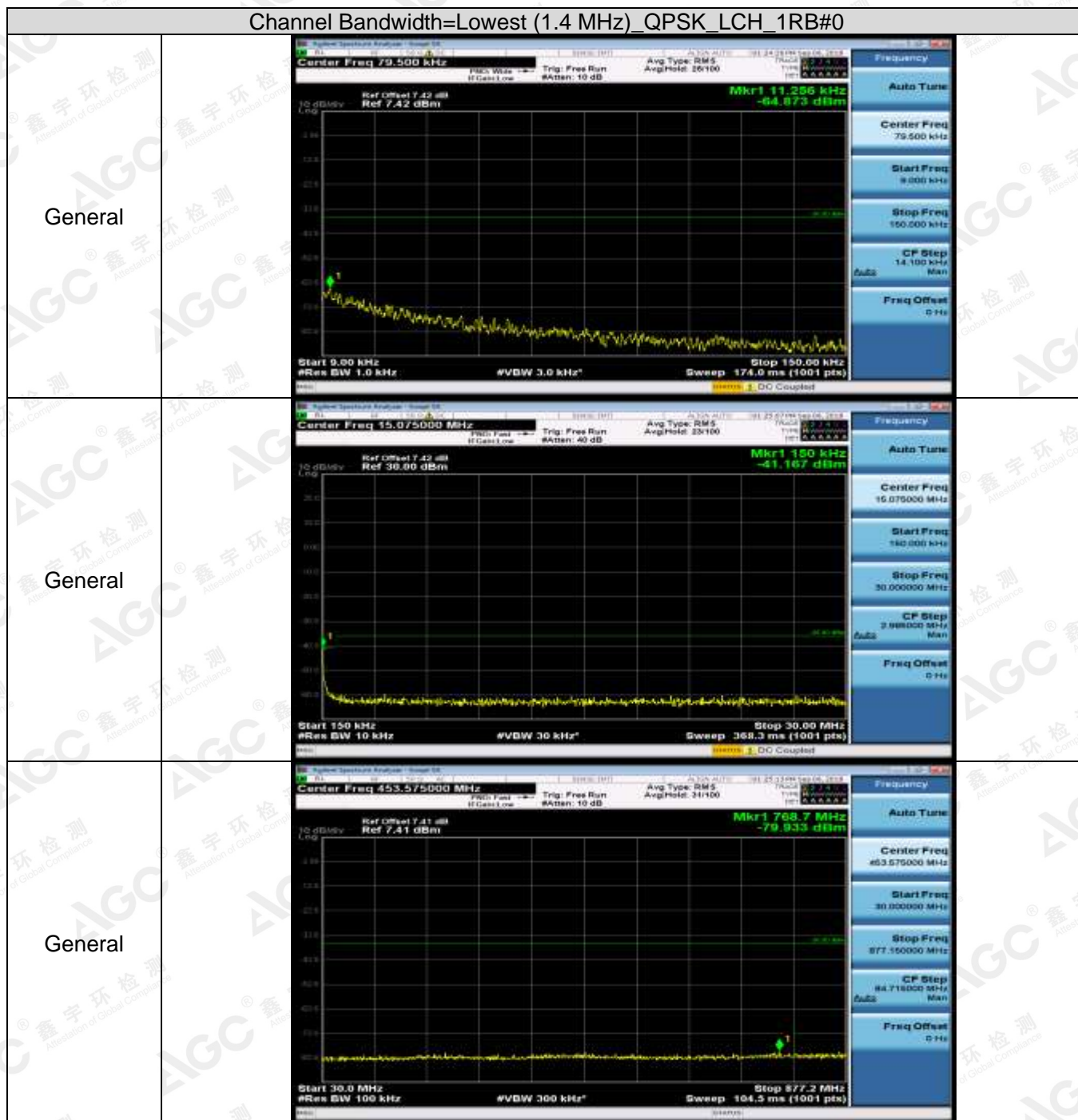
			Mid range	Full	0	PUMAX	Pass
				1	0	PUMAX	Pass
					max	PUMAX	Pass
			High range	Full	0	PUMAX	Pass
				1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

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Test Graphs

NTNV

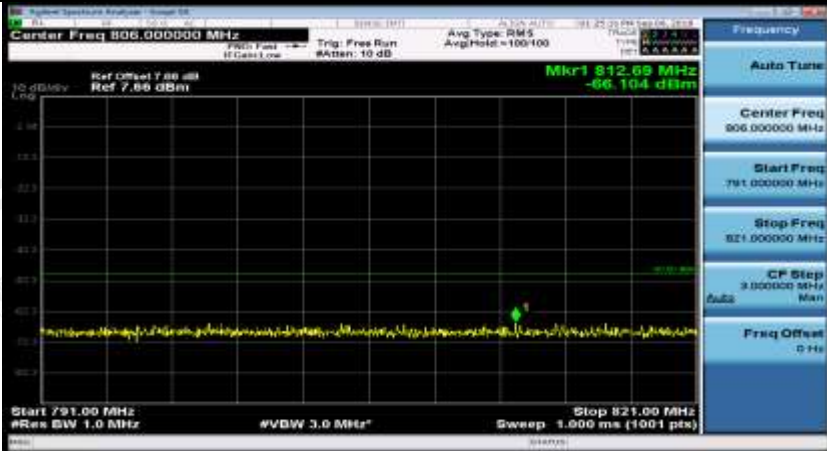
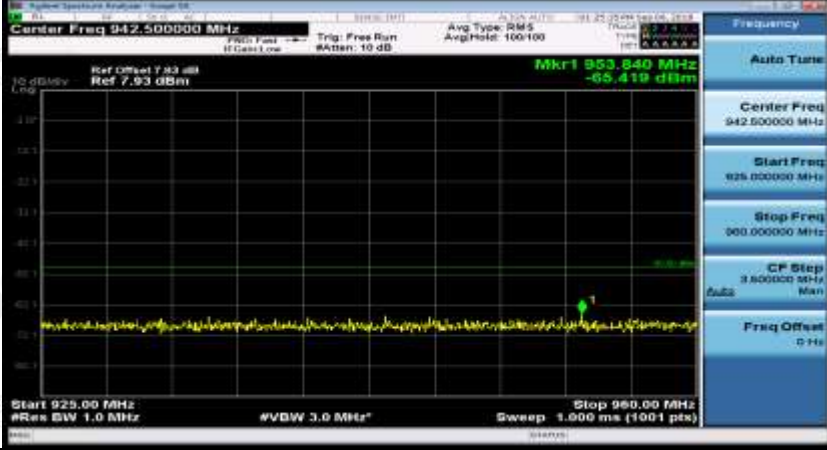
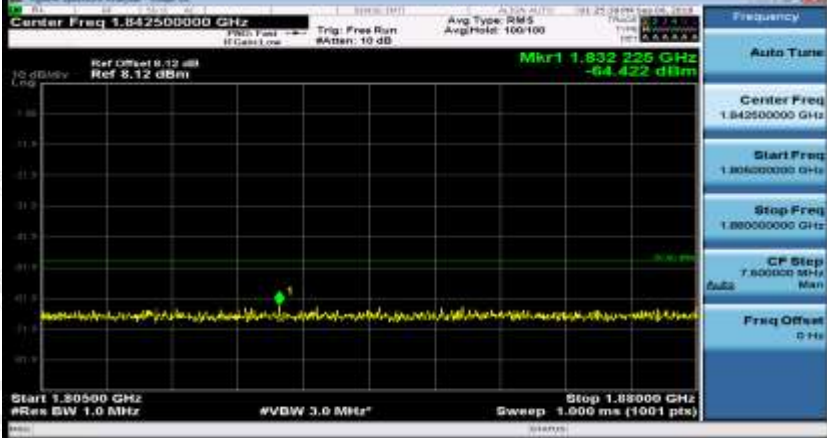
Channel Bandwidth=Lowest (1.4 MHz)



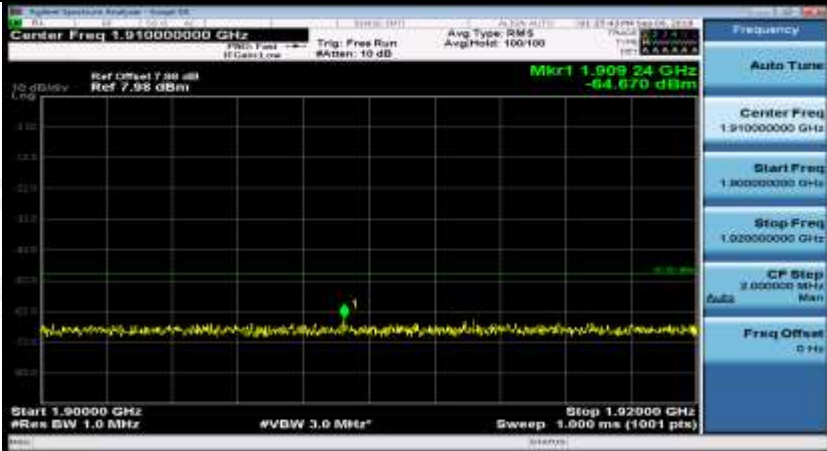
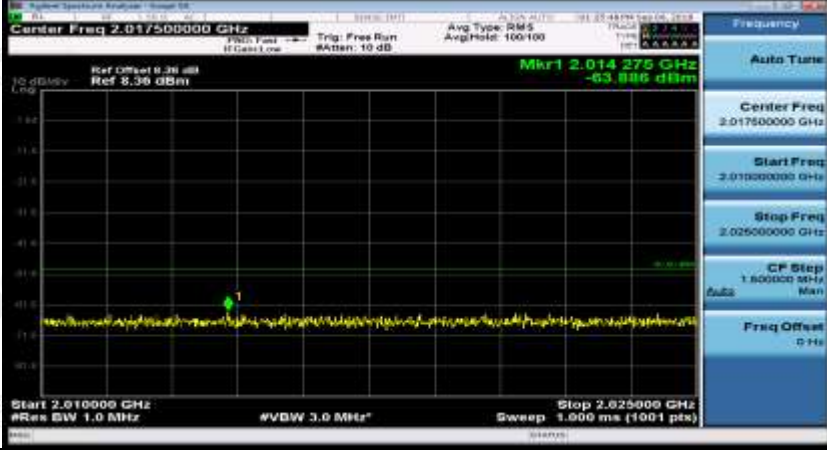
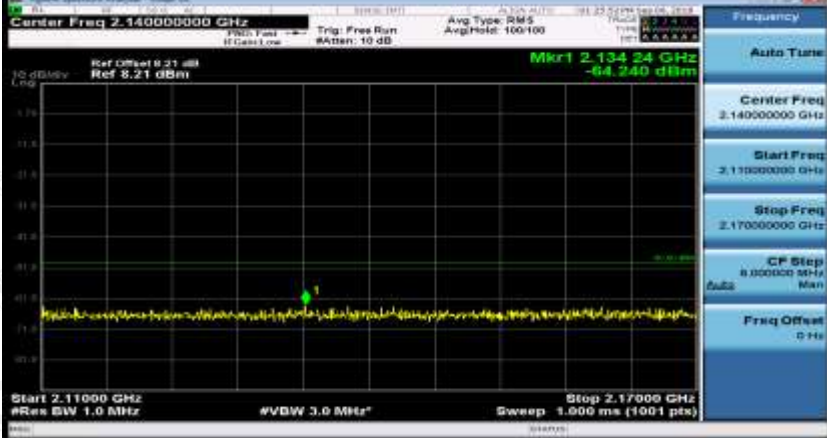
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General		
General		
General		

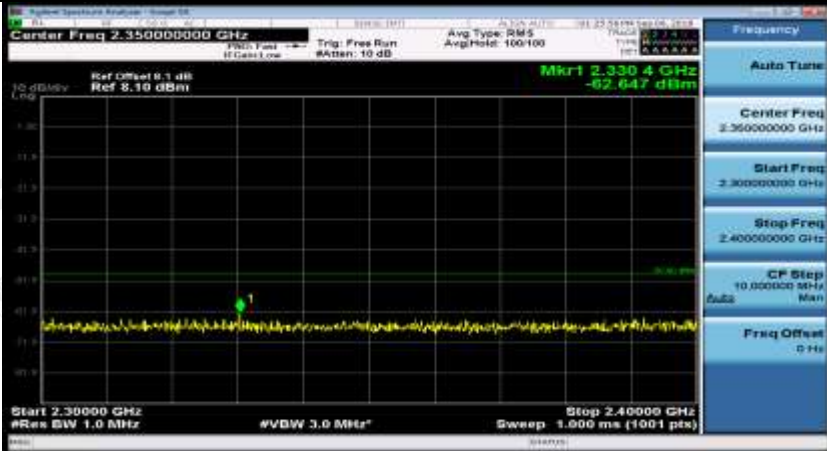
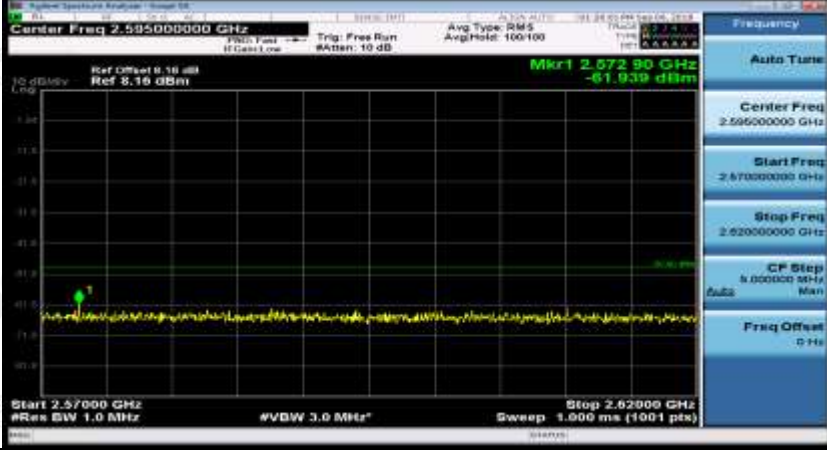
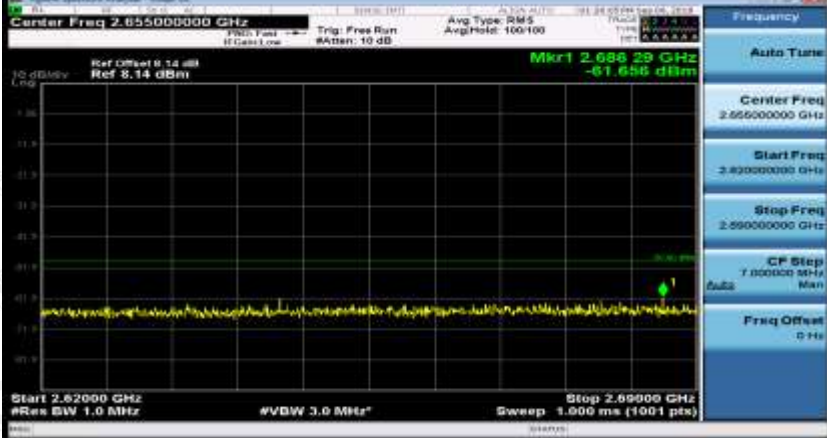
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	


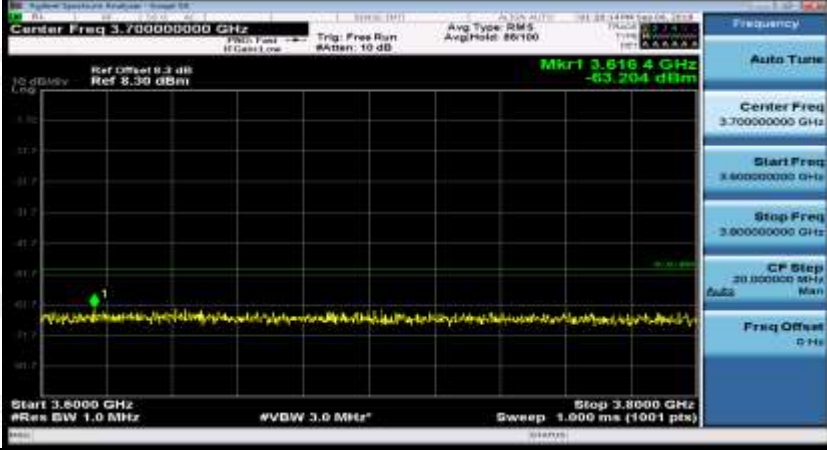
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

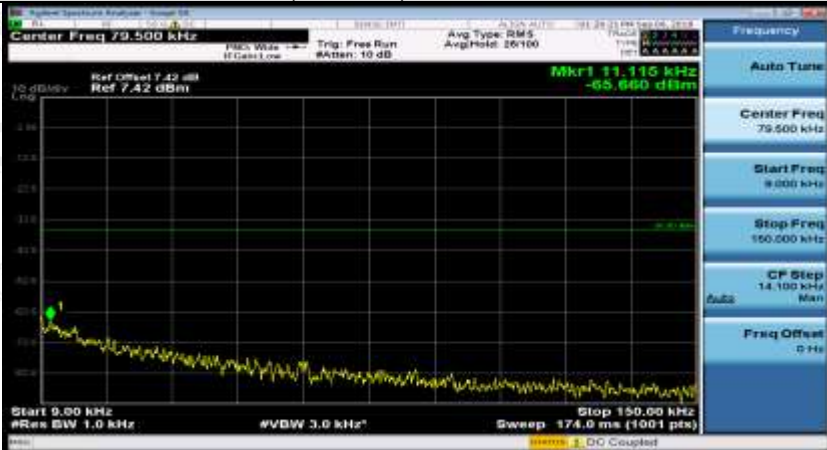
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA

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

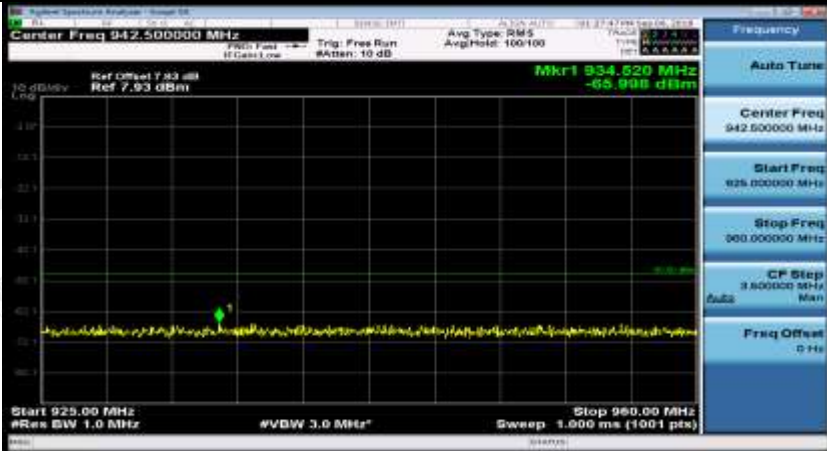
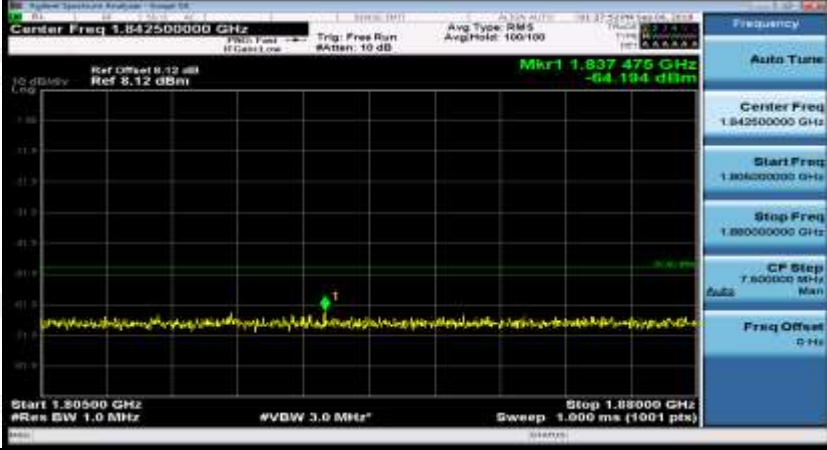
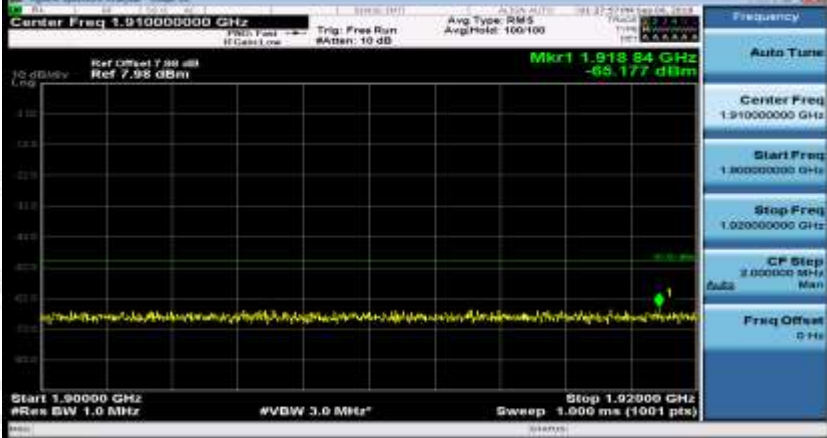
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General			
General			
General			

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General			
General			
Co-existence			

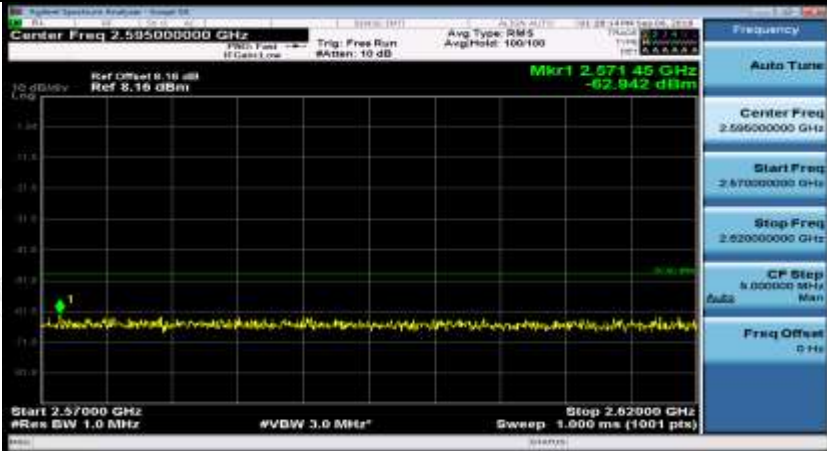
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of 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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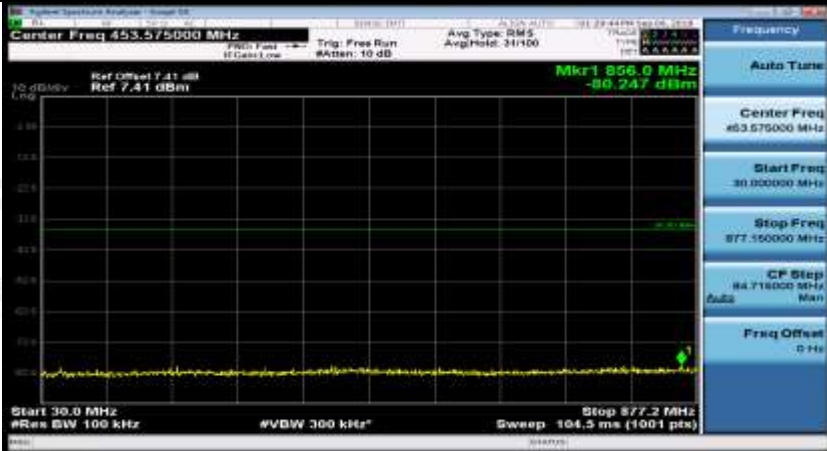
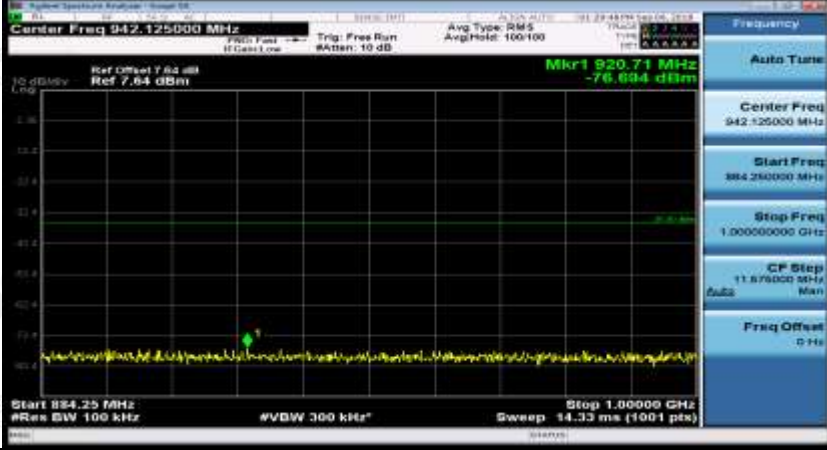

Co-existence	
Co-existence	
Co-existence	

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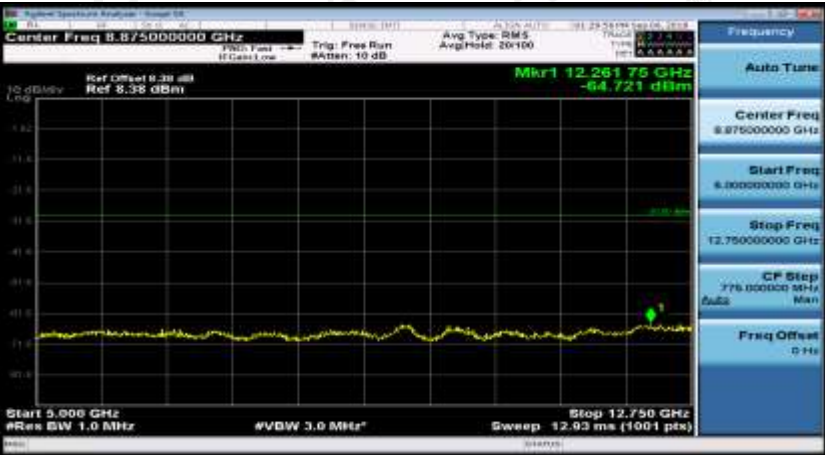
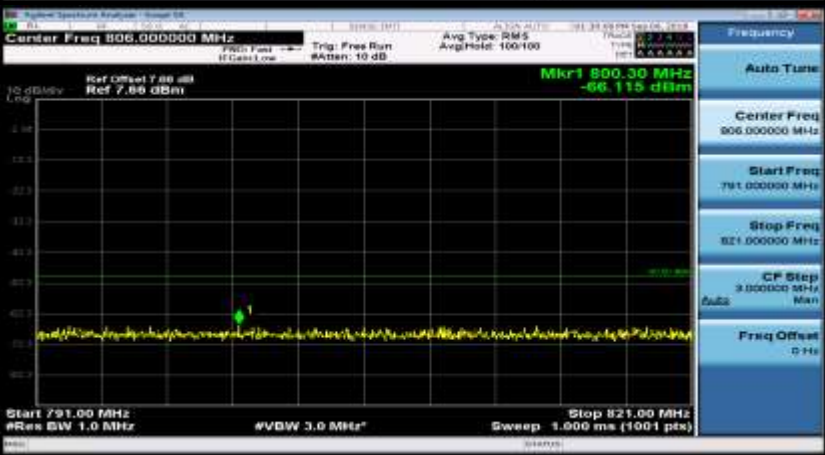
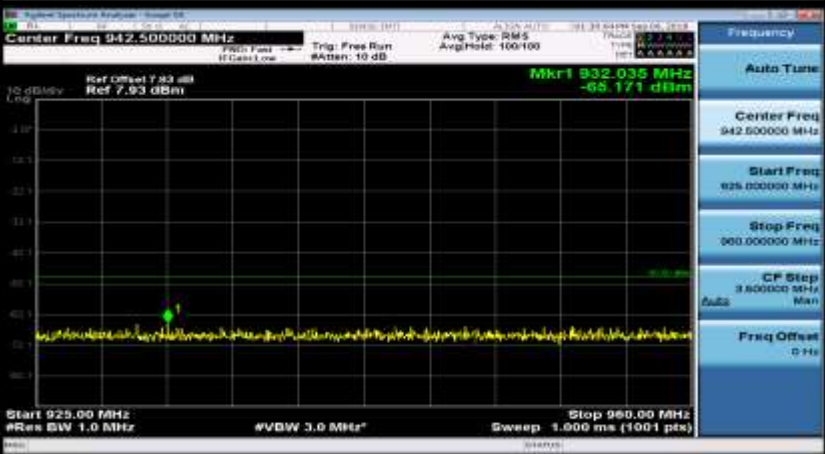
Co-existence	
Additional	NA

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

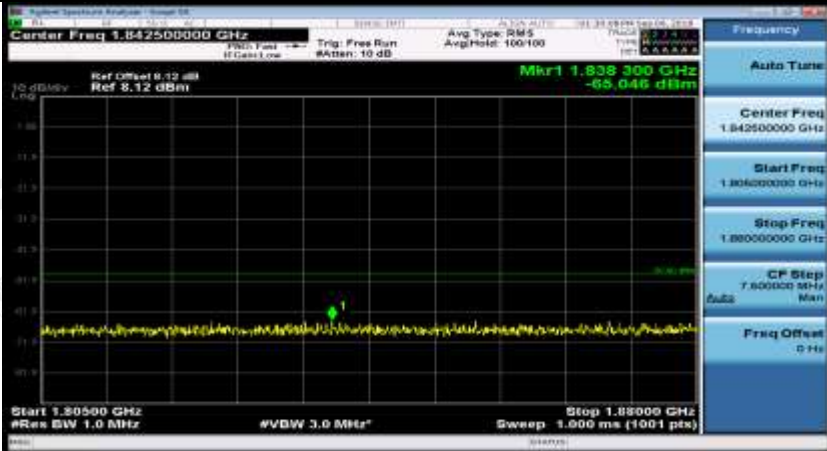
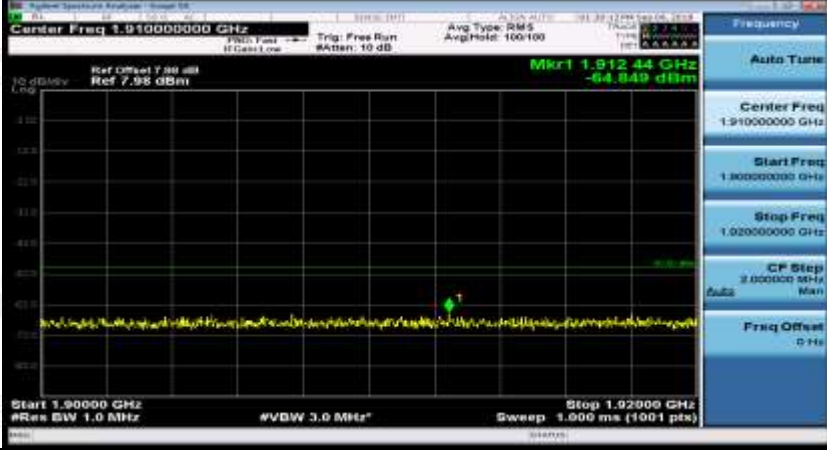
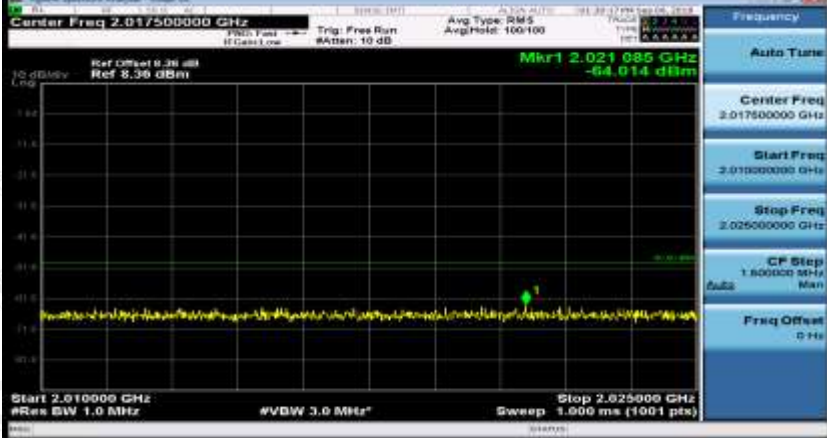
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General	
General	
General	

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General		
Co-existence		
Co-existence		

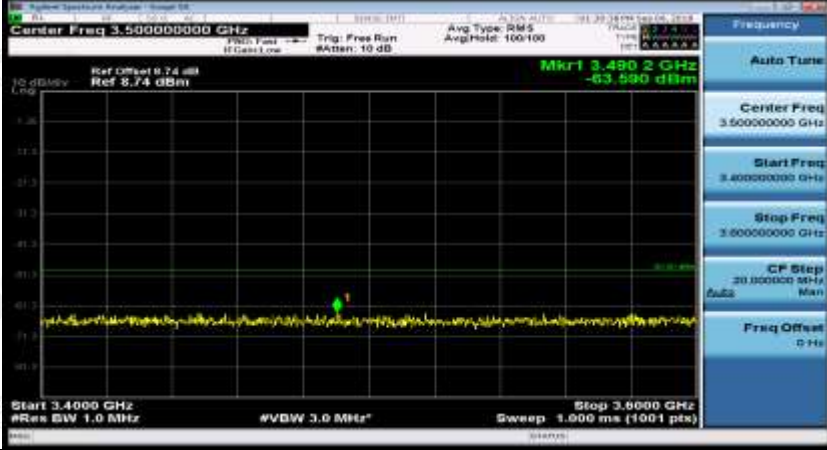
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence	
Co-existence	
Co-existence	

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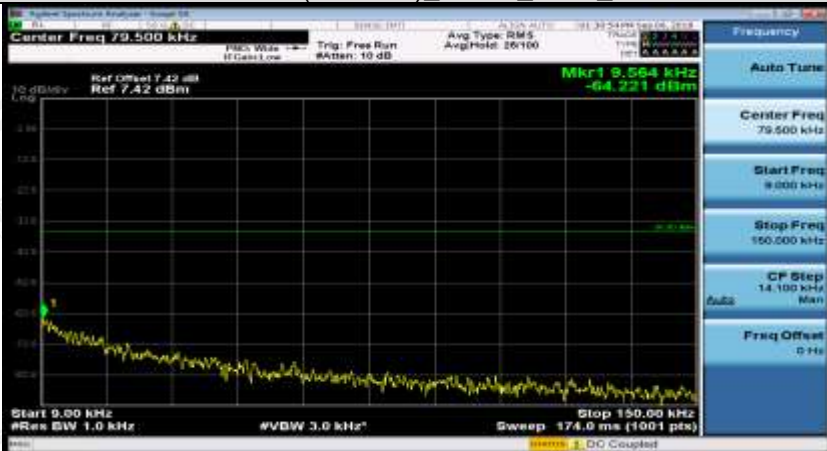

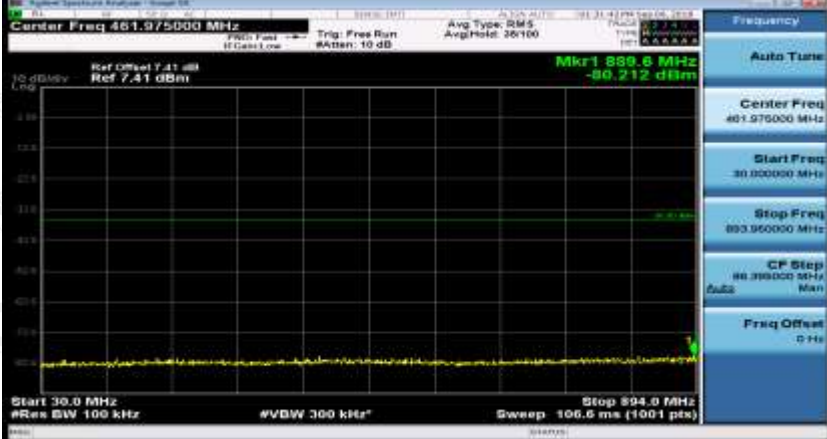
Co-existence	
Co-existence	
Co-existence	

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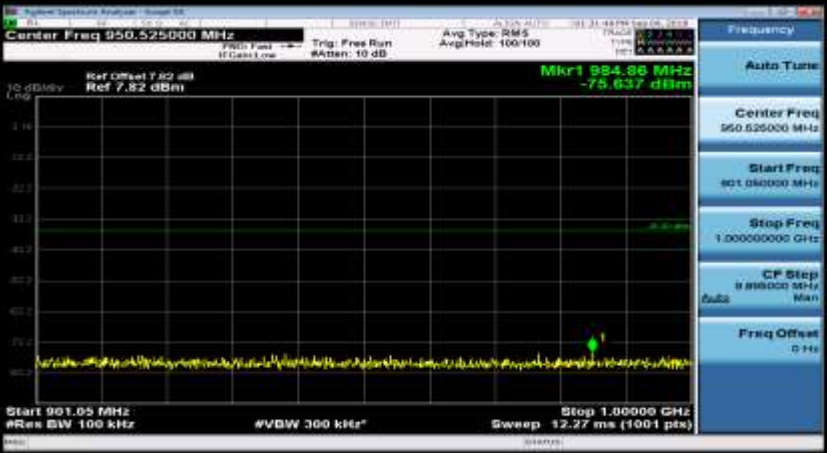


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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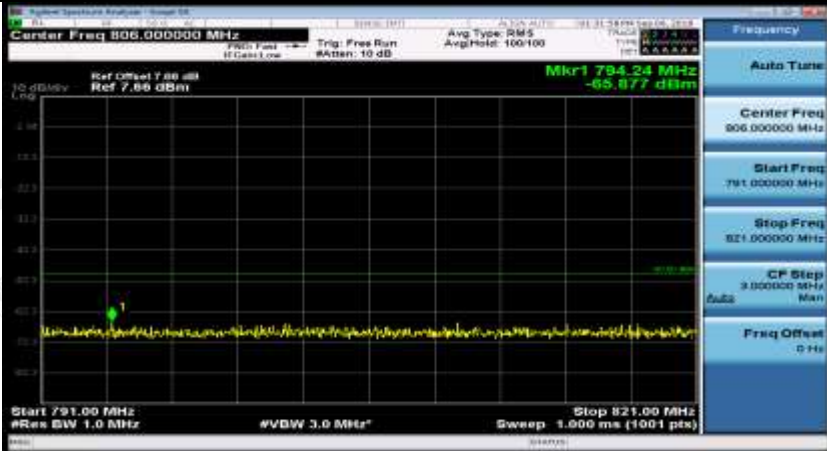
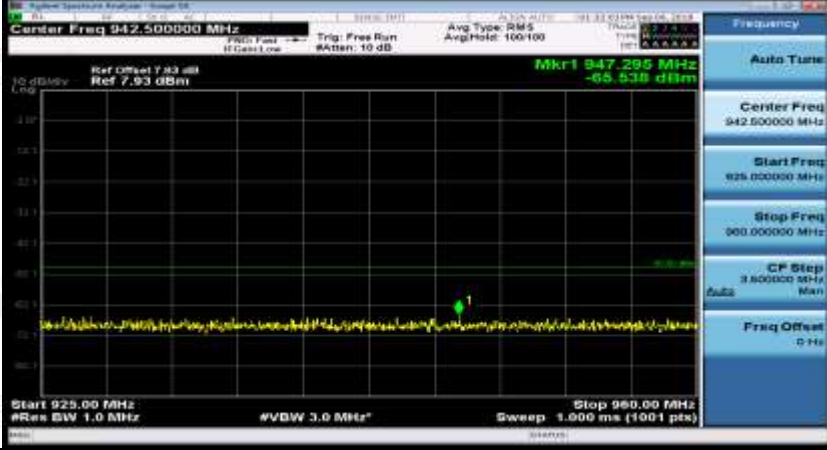
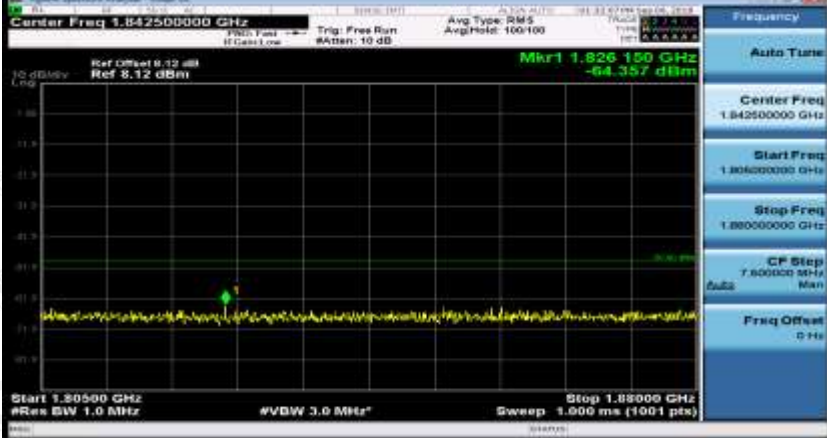
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

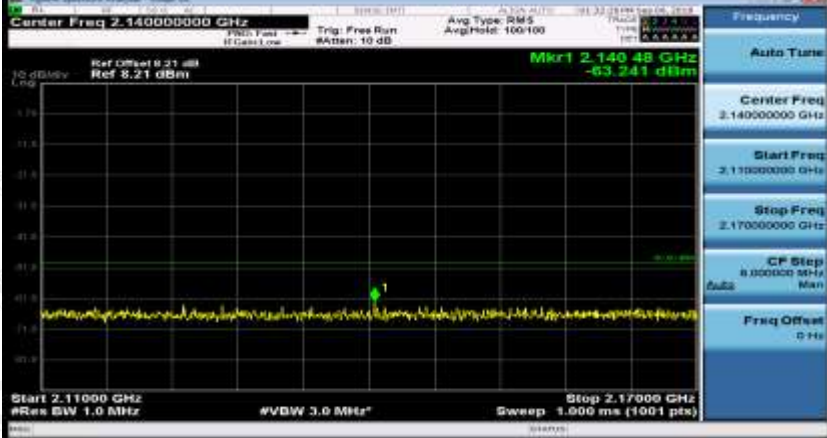
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General		
General		
General		

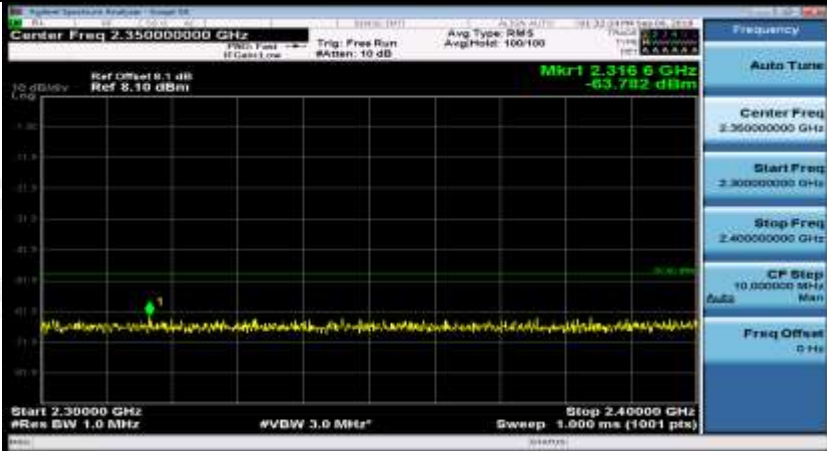
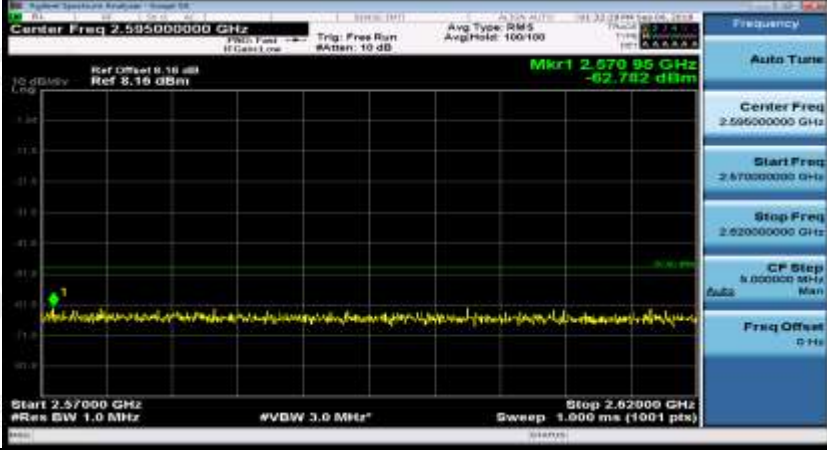

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Co-existence	
Co-existence	
Co-existence	


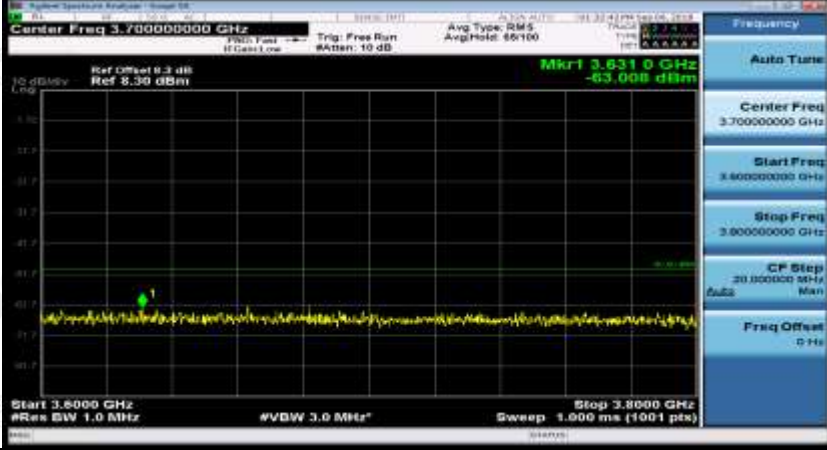
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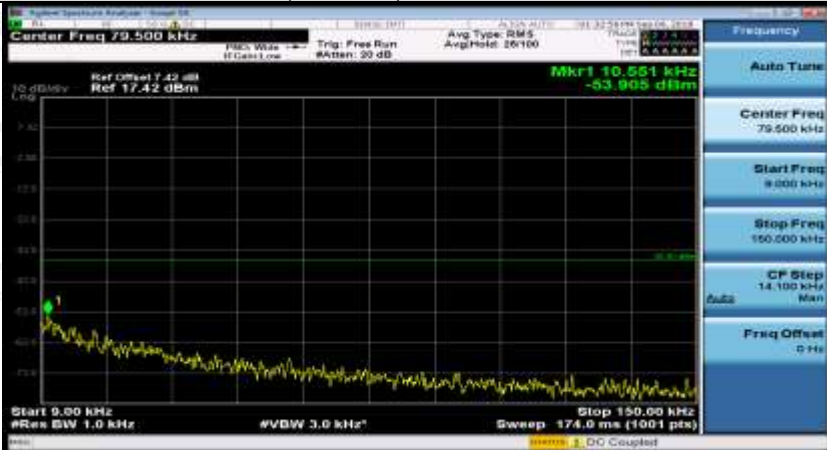
Co-existence	
Co-existence	
Co-existence	

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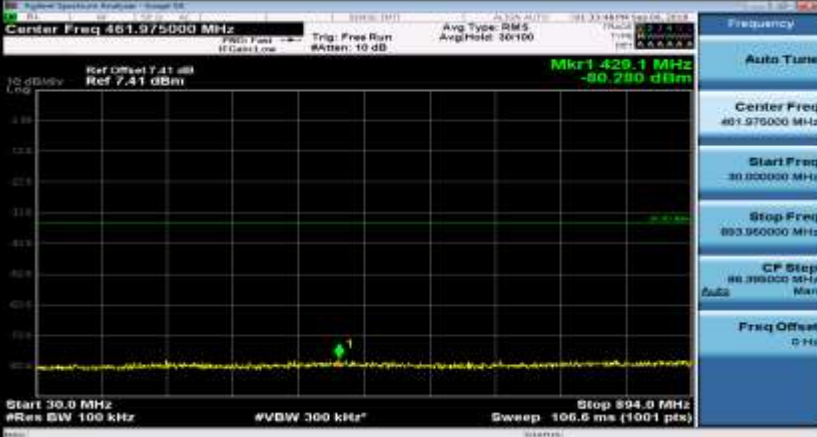
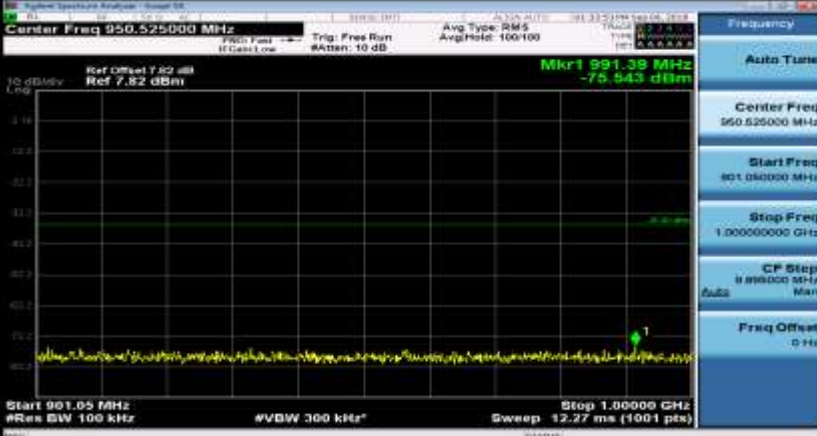
Co-existence	
Co-existence	
Co-existence	

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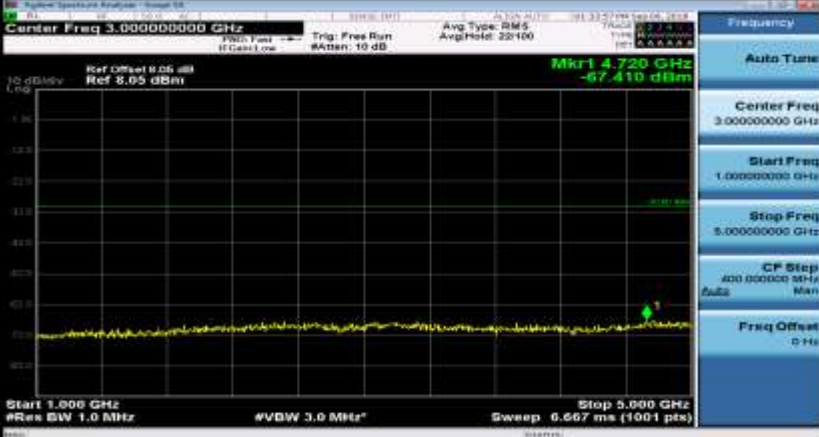


Co-existence	
Co-existence	
Additional	NA

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

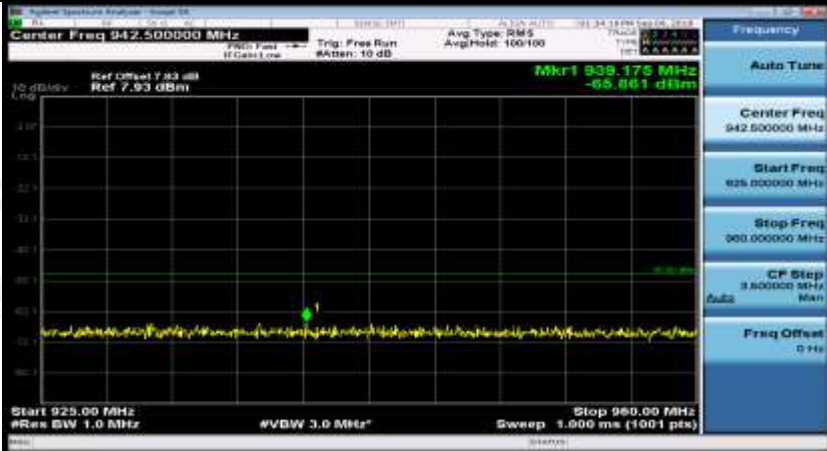
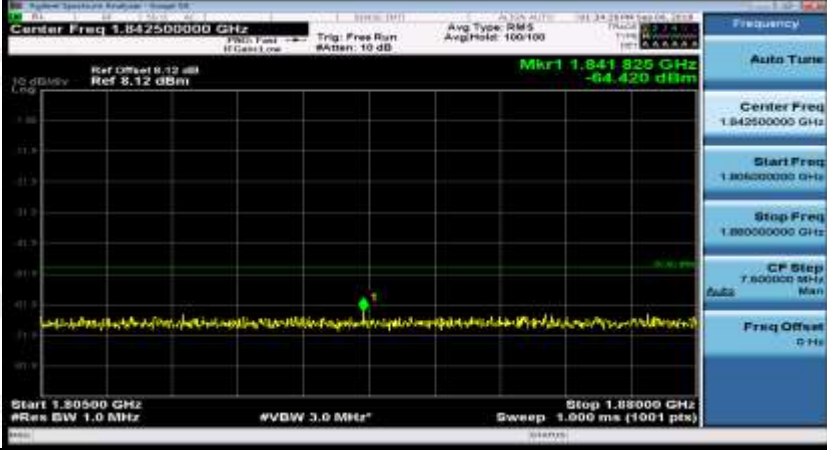
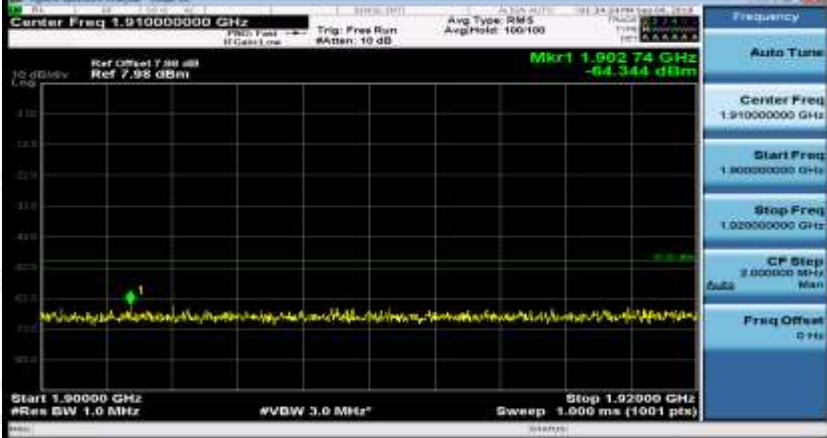
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General			
General			
General			

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General			
General			
Co-existence			

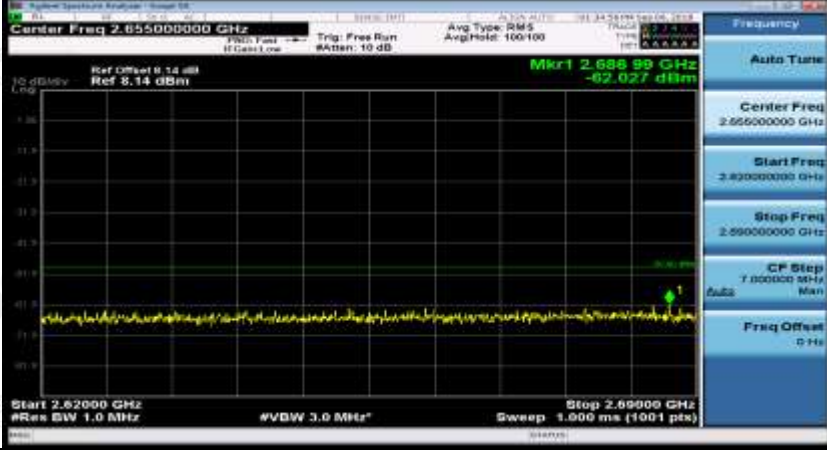
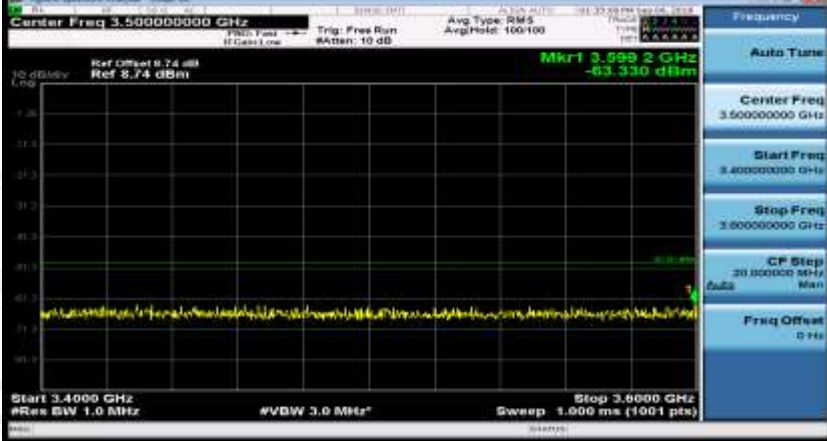
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Co-existence	
Co-existence	
Co-existence	

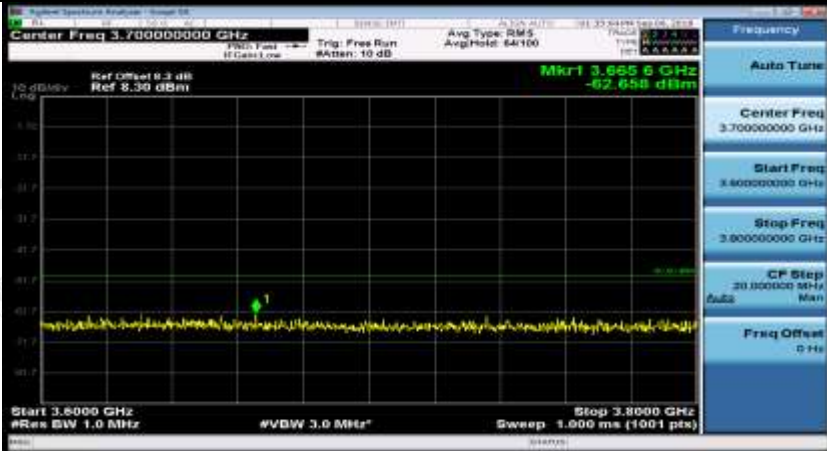
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Co-existence	
Co-existence	
Co-existence	

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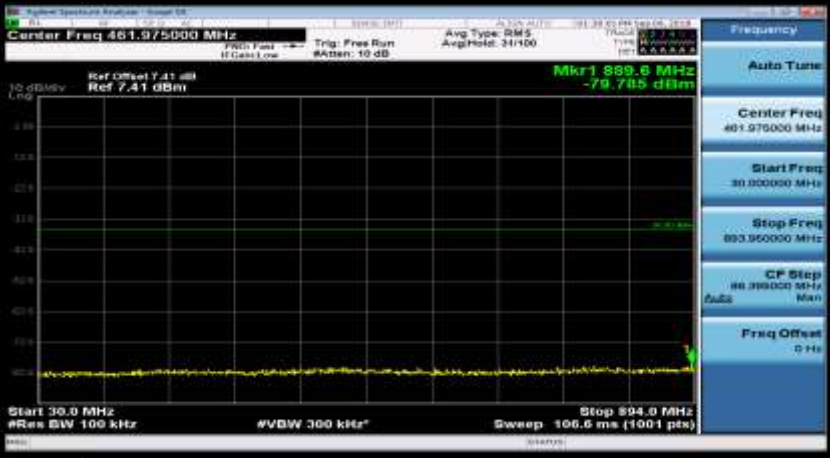
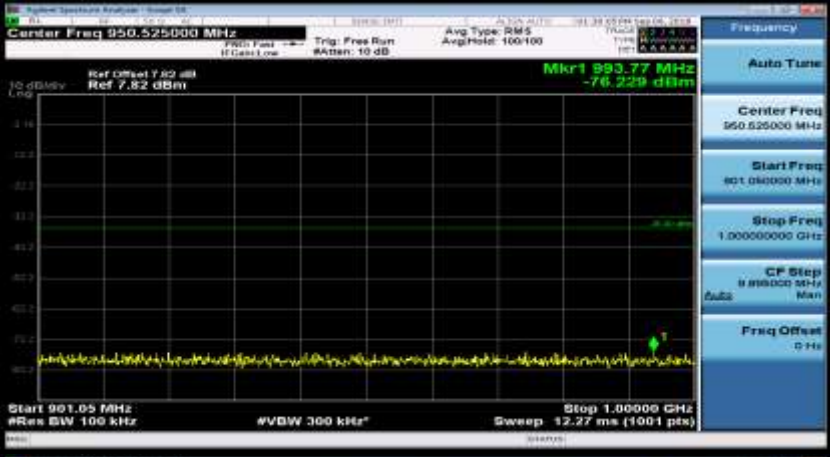

Co-existence	
Co-existence	
Co-existence	

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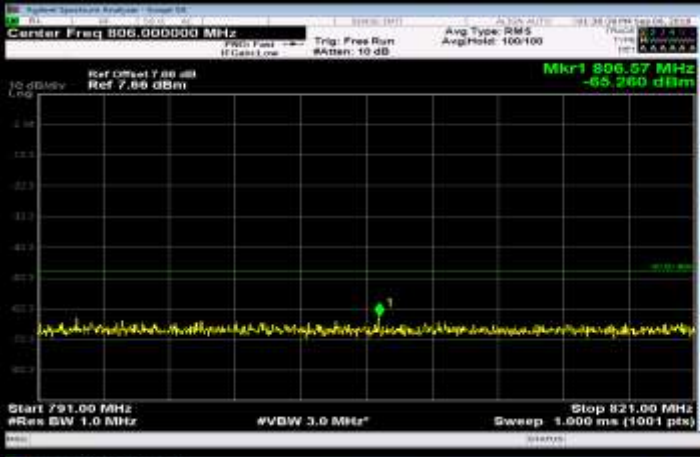
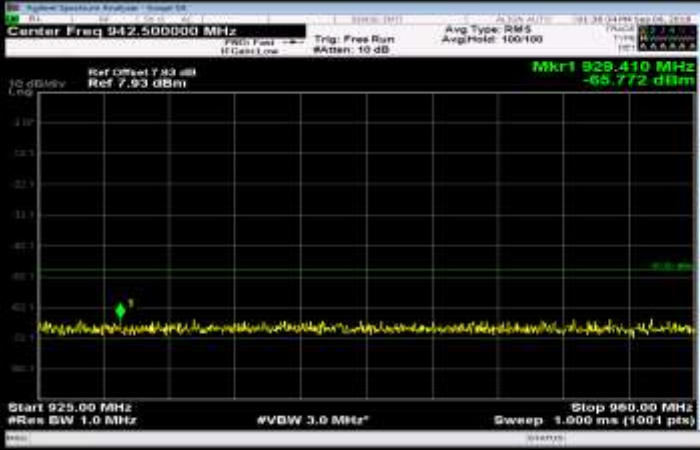
Co-existence	
Additional	NA

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

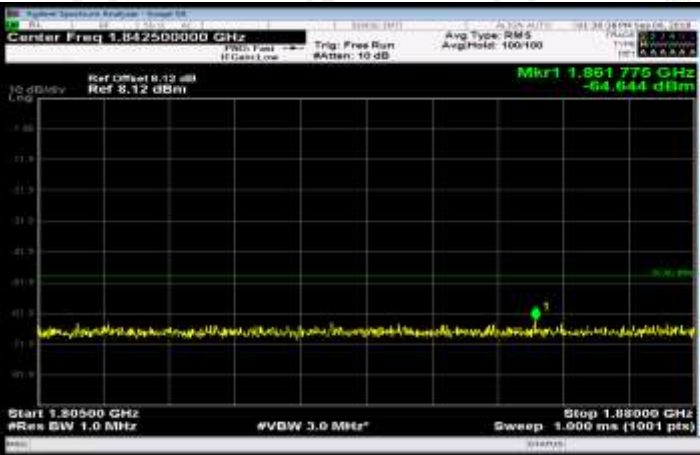
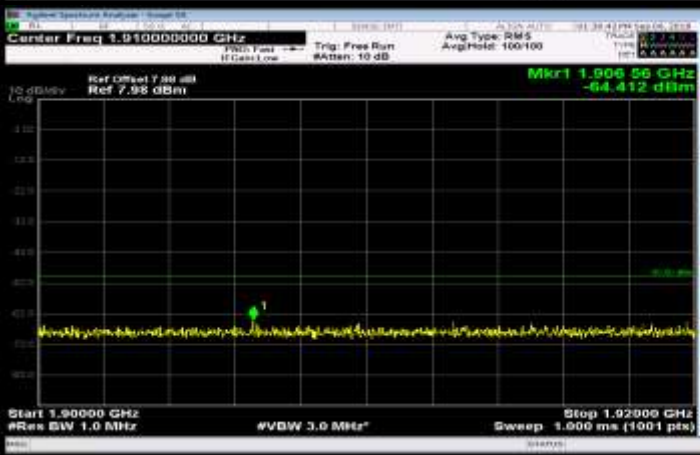

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General		
General		
General		

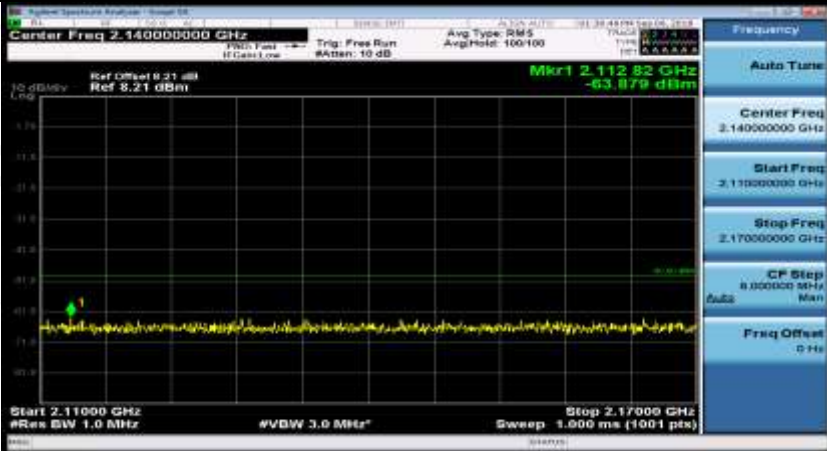
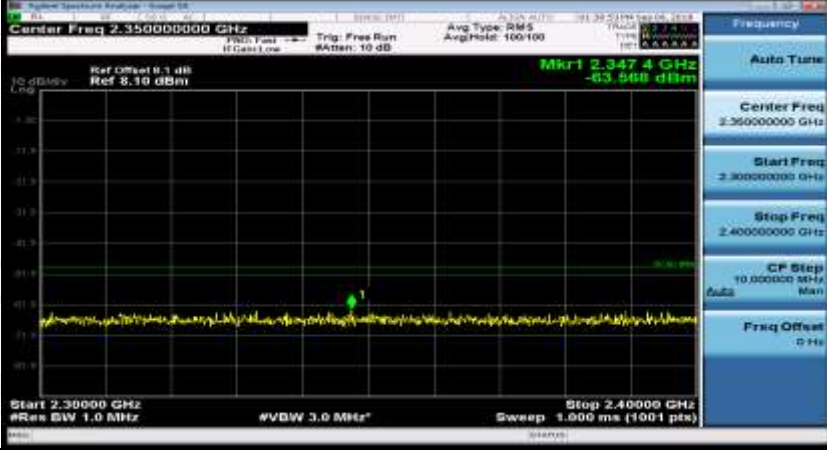
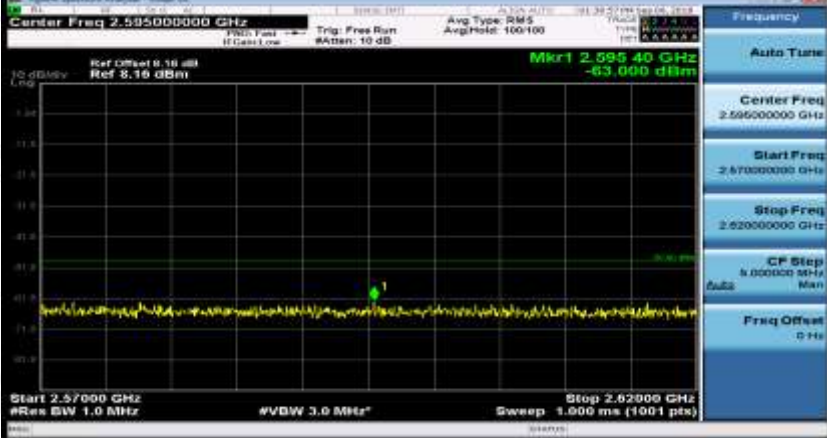
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General		
Co-existence		
Co-existence		

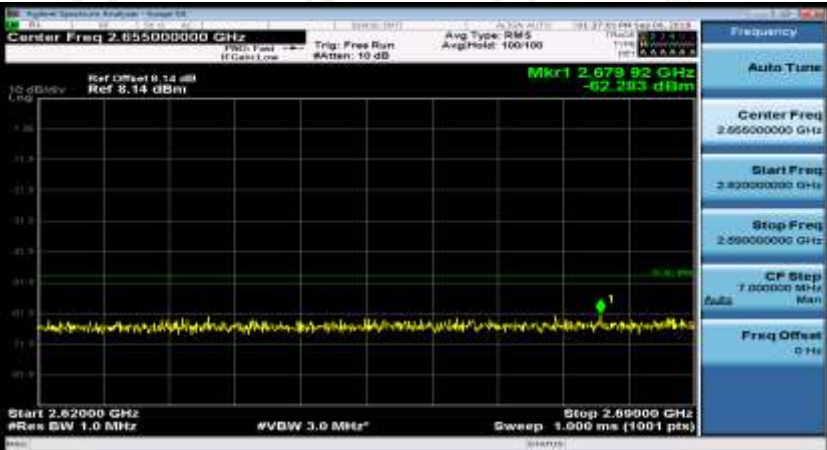
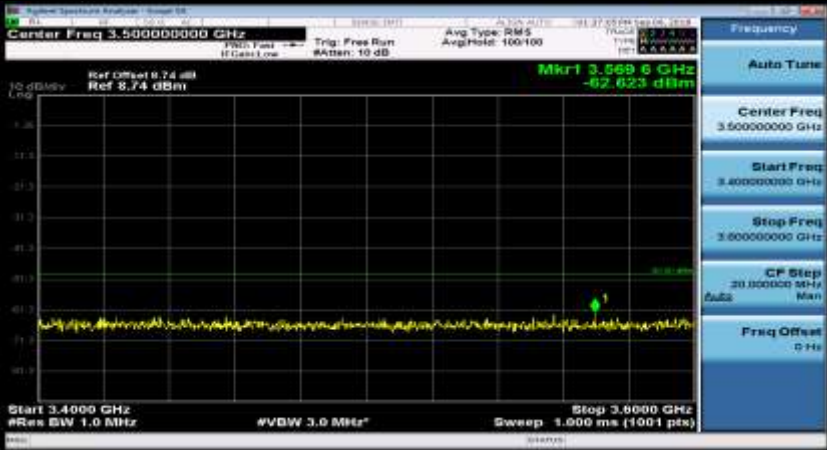
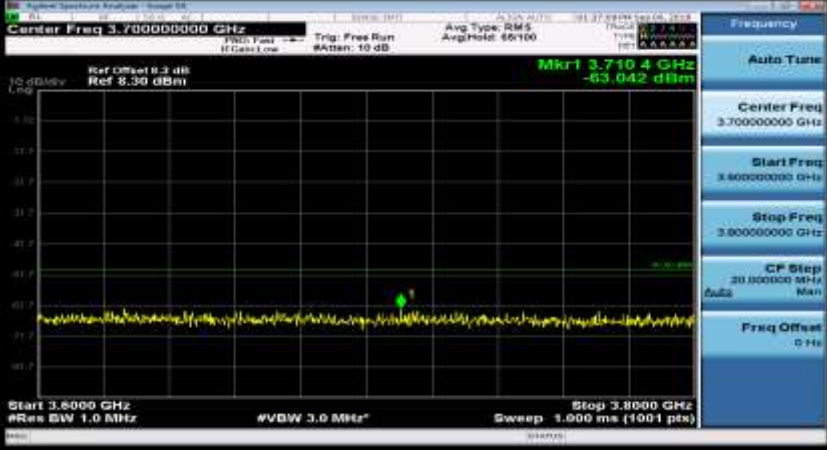
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Co-existence		
Co-existence		
Co-existence		

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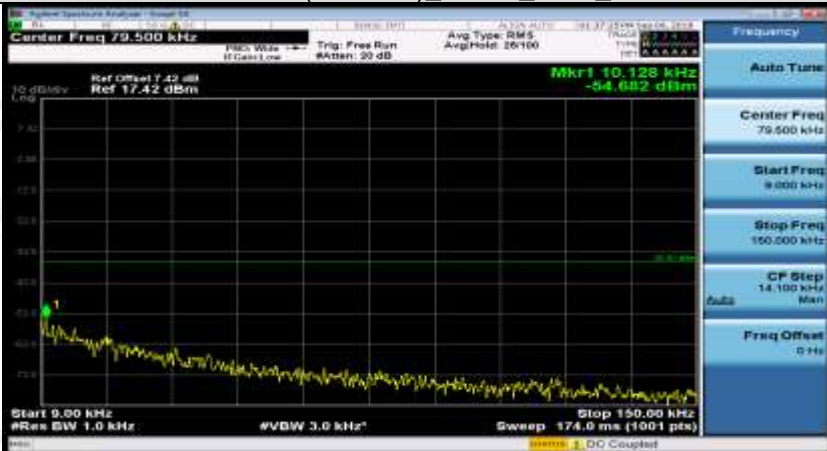
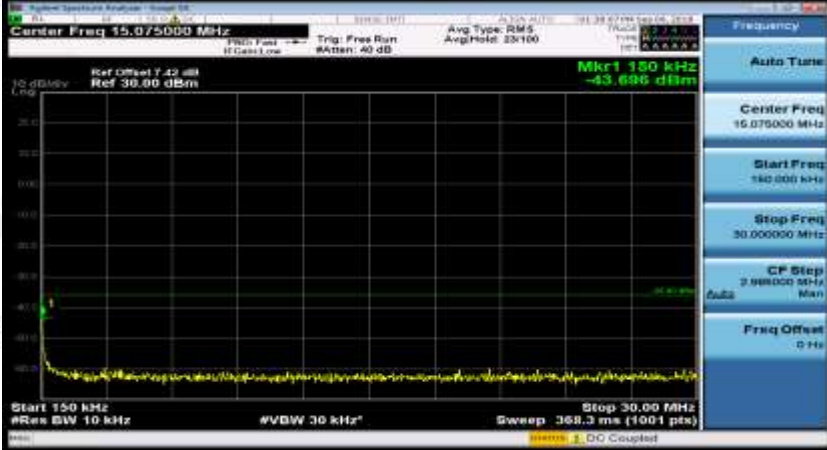
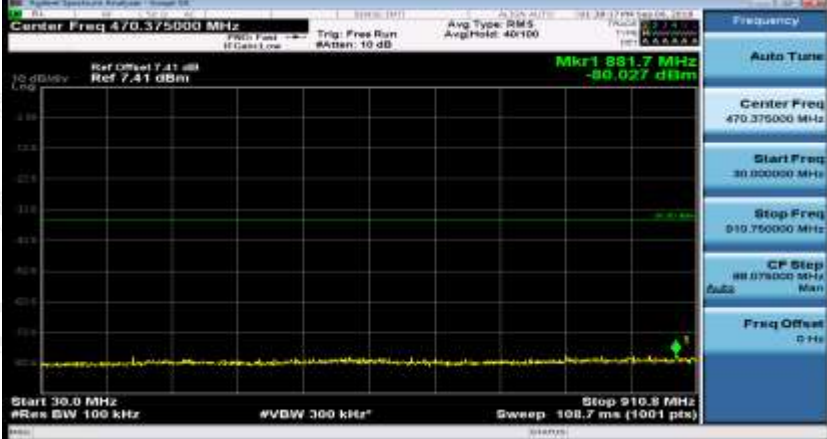
Co-existence	
Co-existence	
Co-existence	

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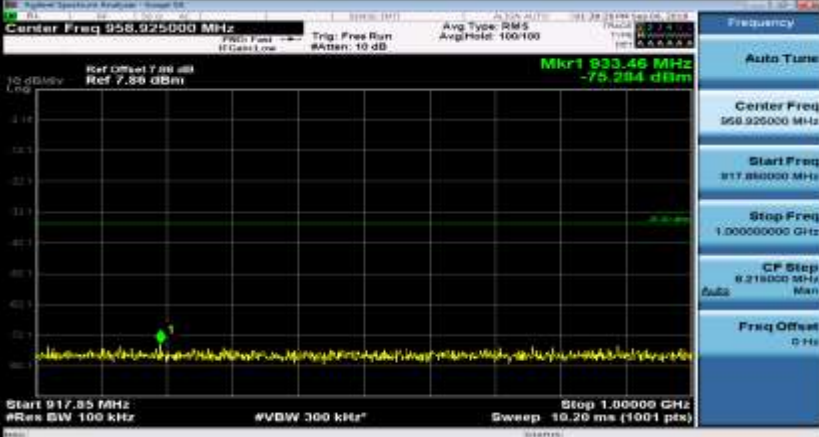


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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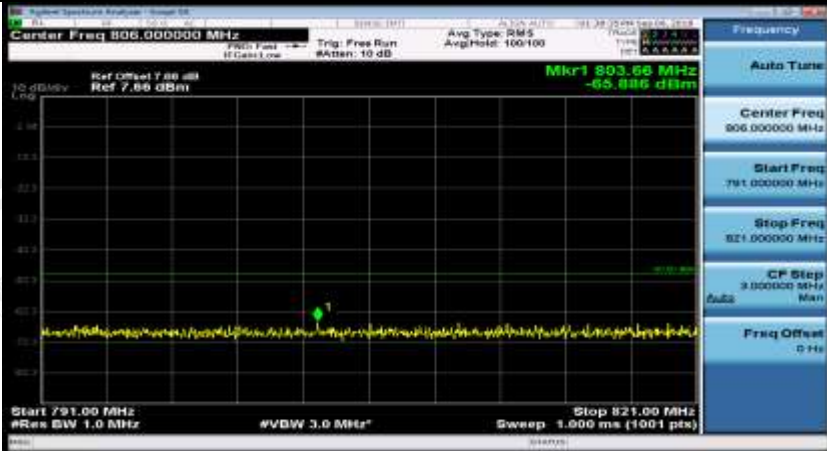
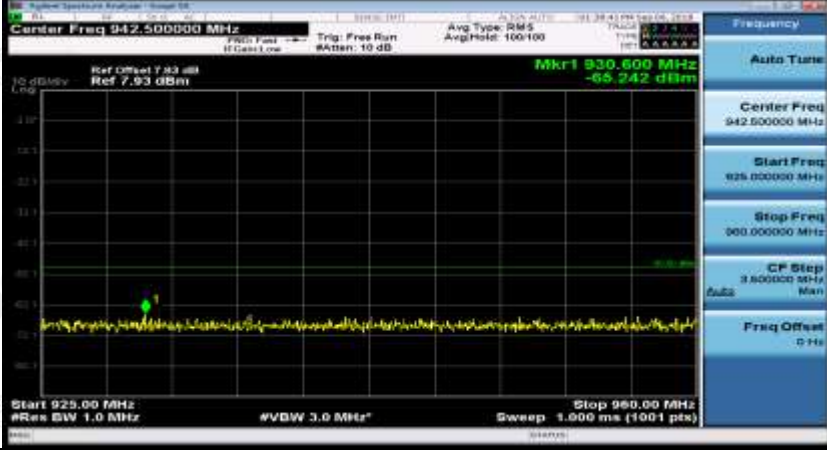
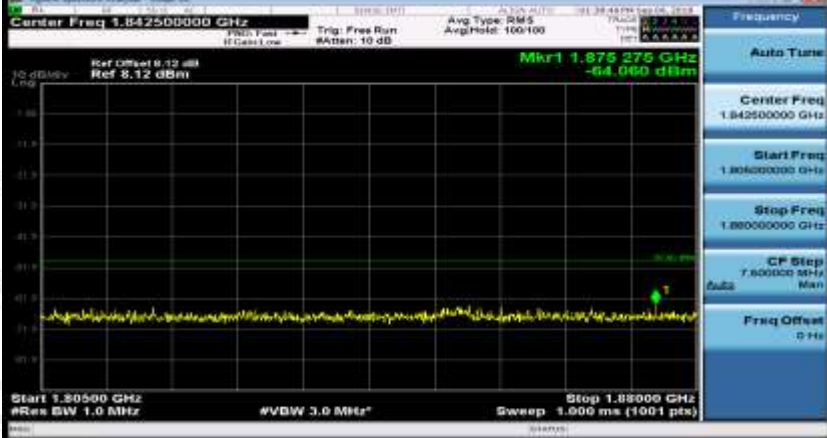
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#0

General	
General	
General	

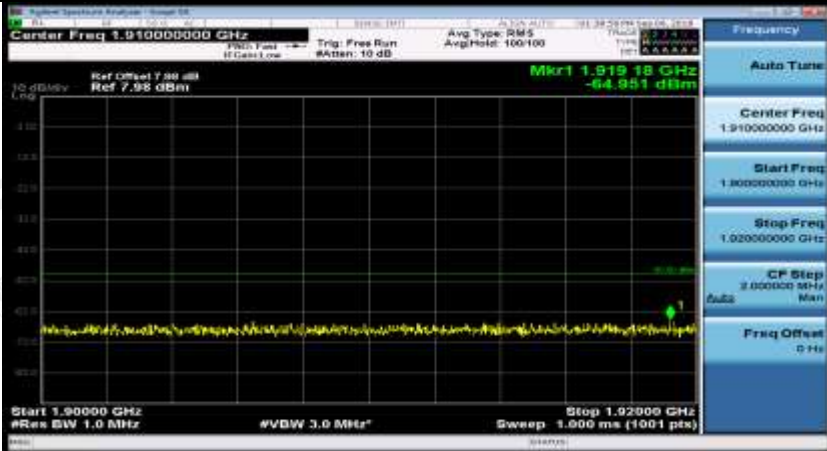
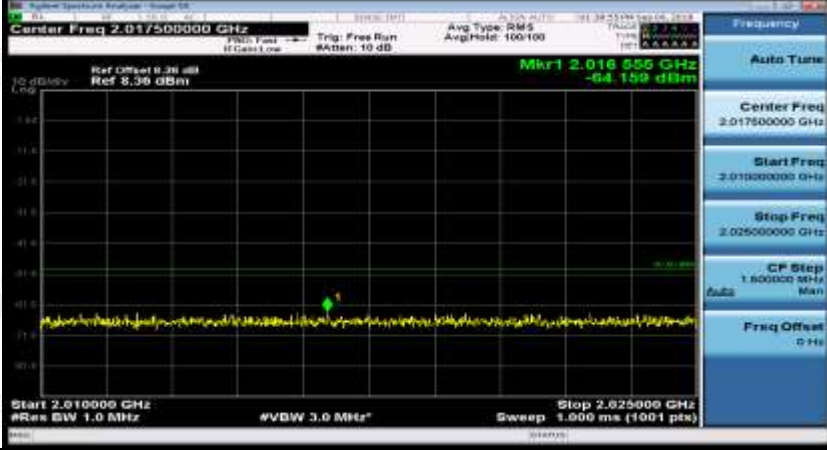
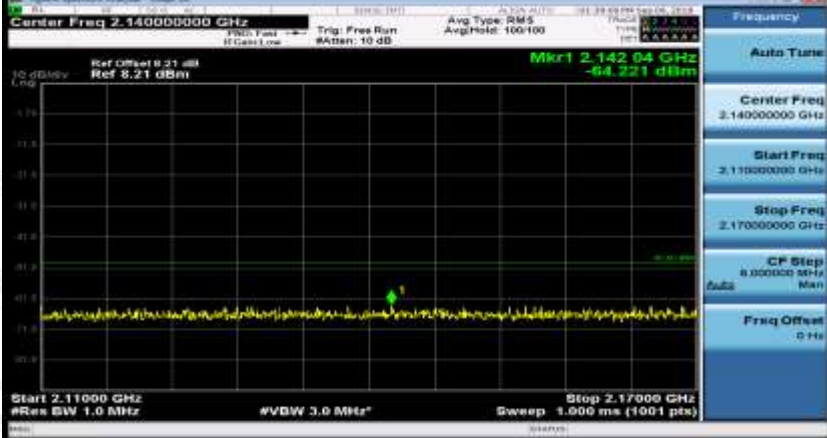
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General			
General			
General			

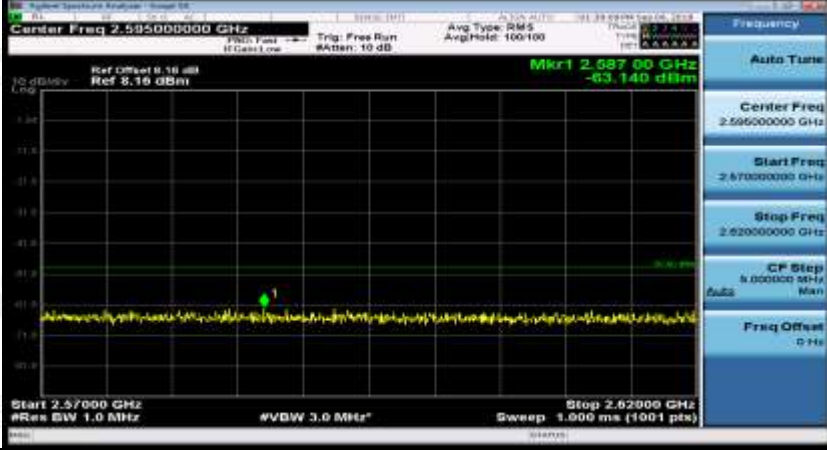
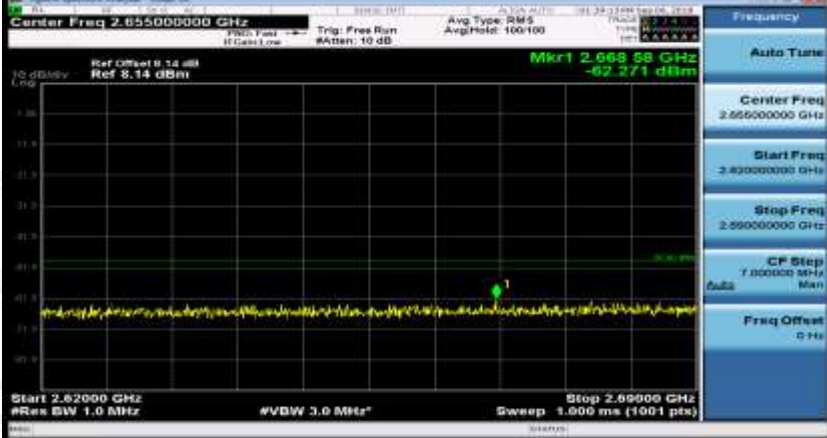
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Co-existence	
Co-existence	
Co-existence	

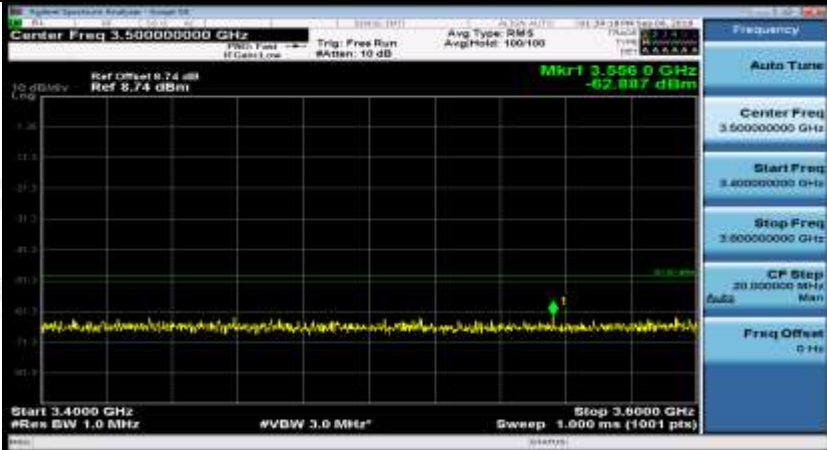
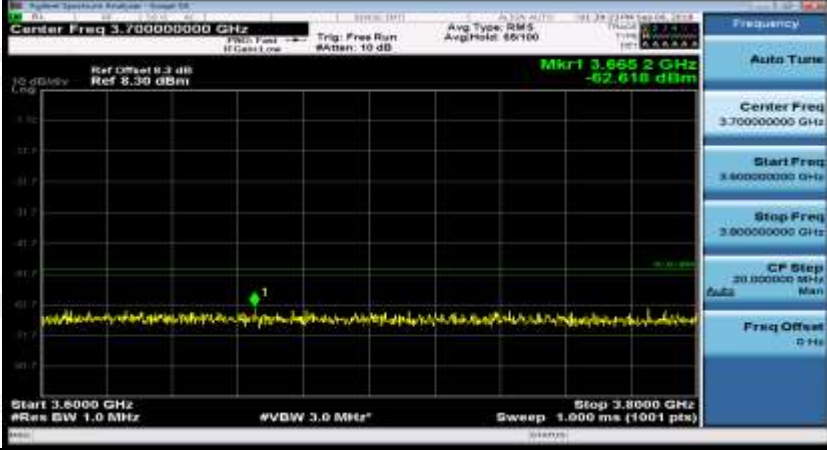
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

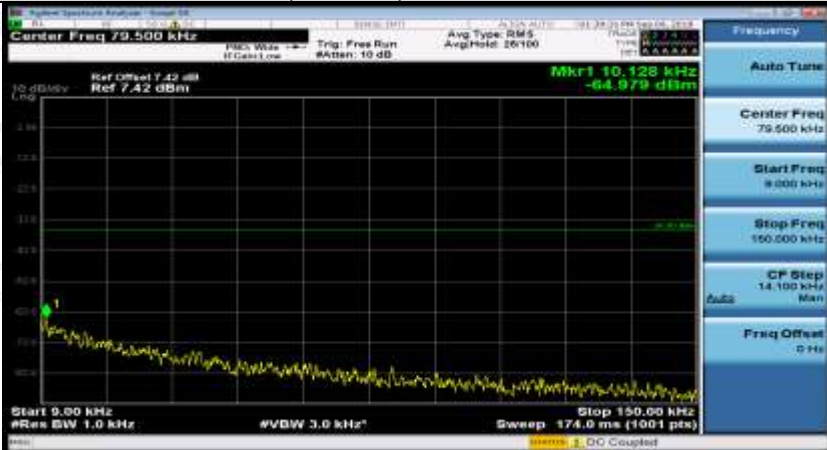
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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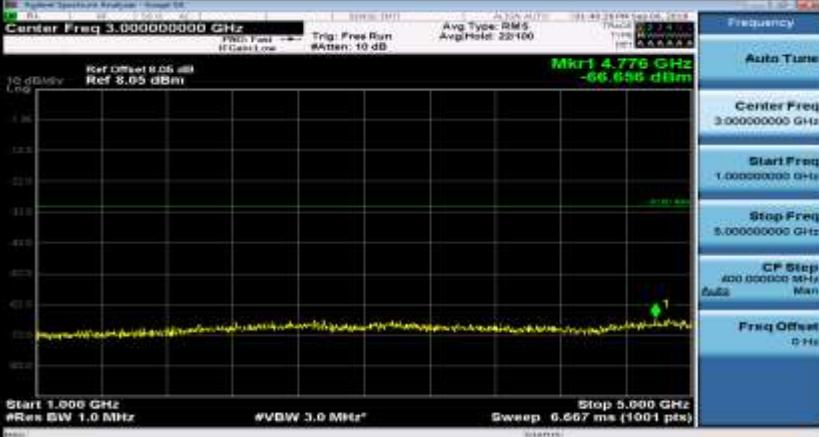


Co-existence	
Co-existence	
Additional	NA

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

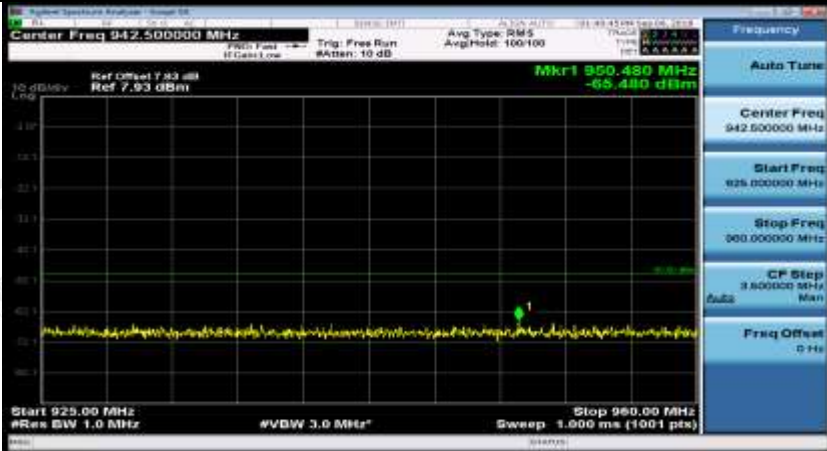
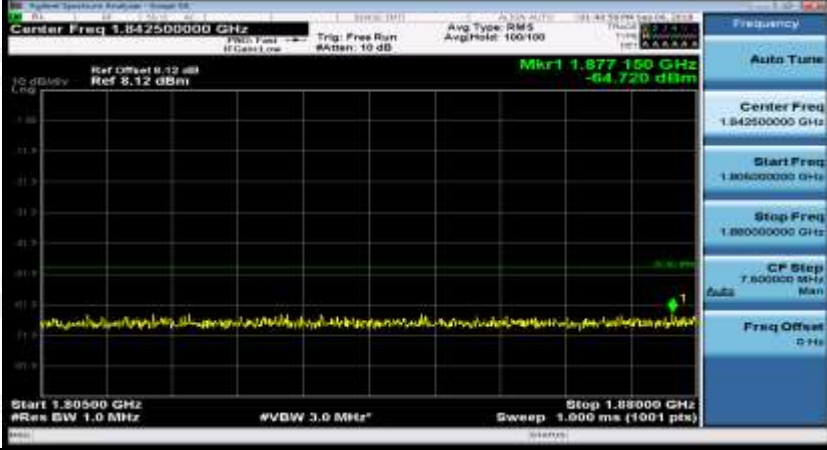
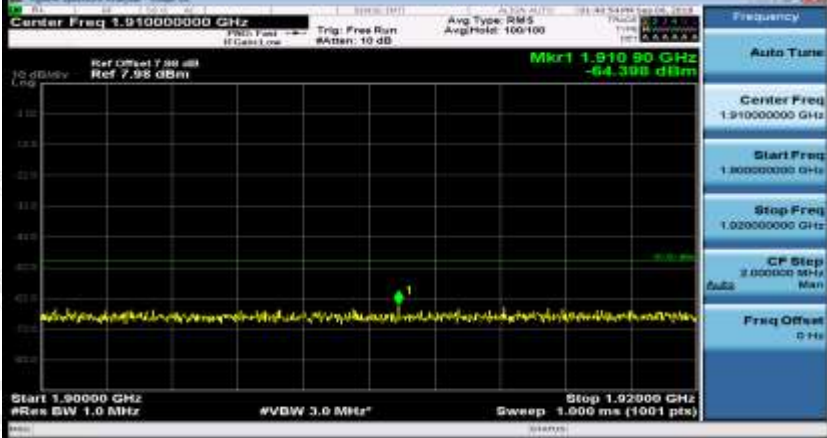
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General			
General			
General			

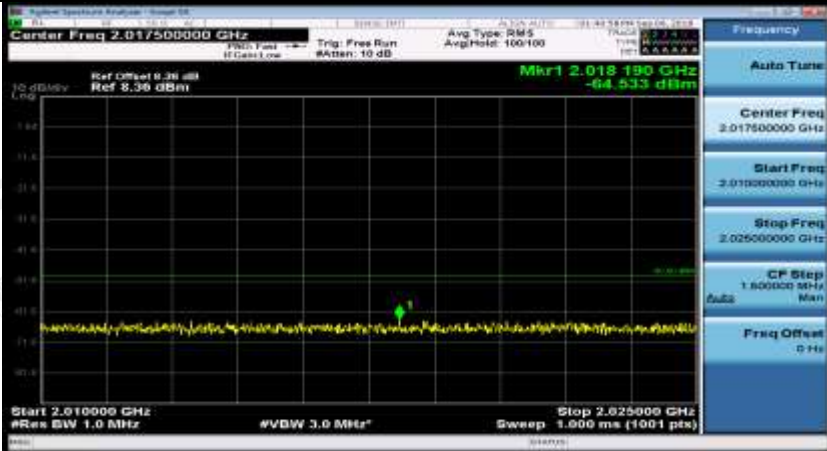
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General			
General			
Co-existence			


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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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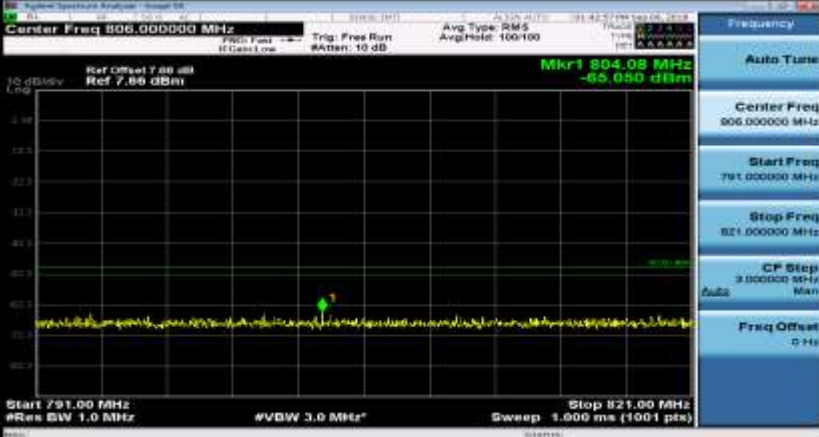
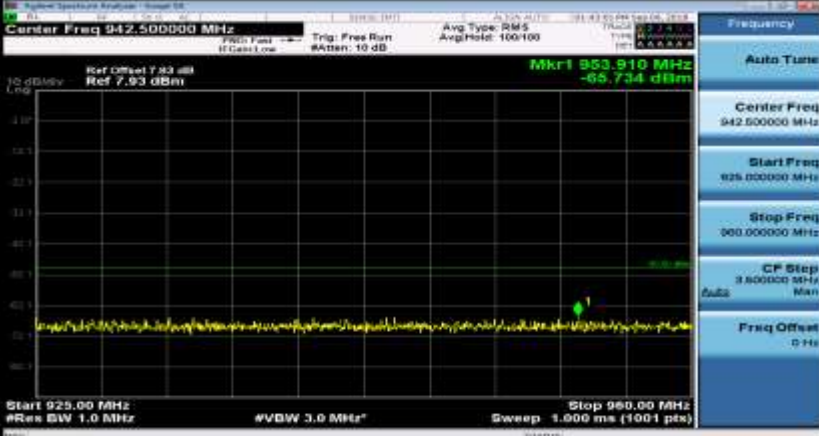
Co-existence	
Additional	NA

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

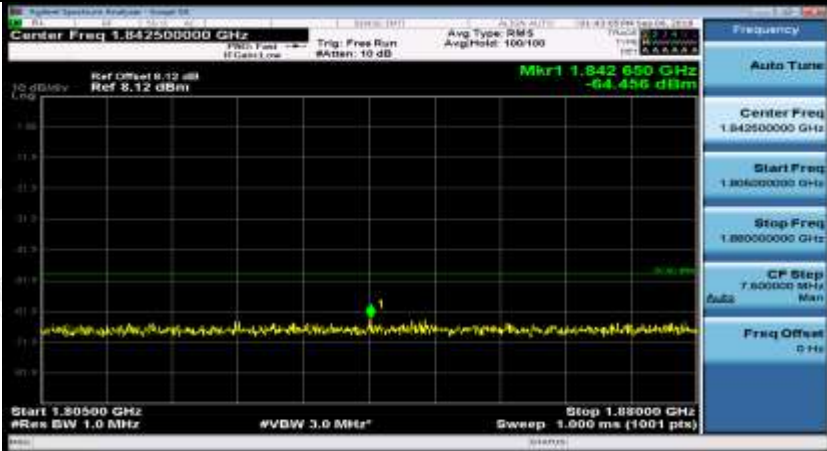
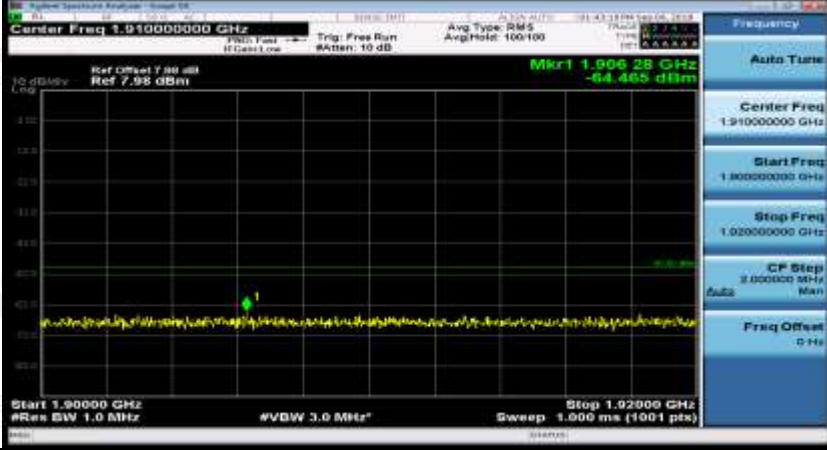

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General			
General			
General			

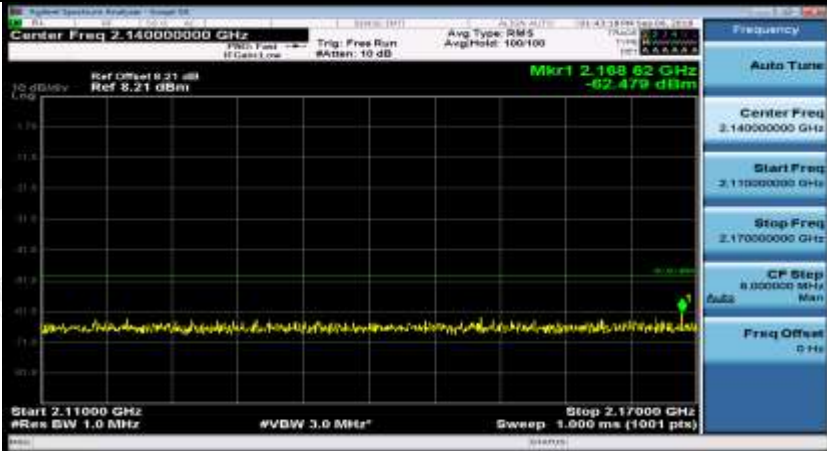
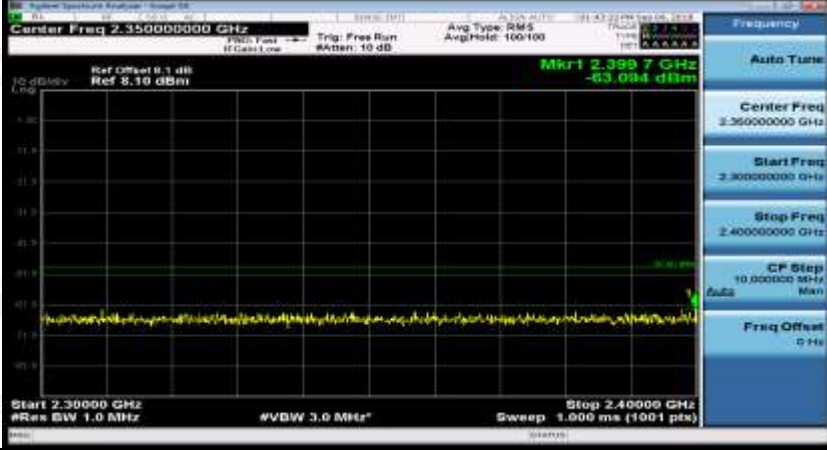
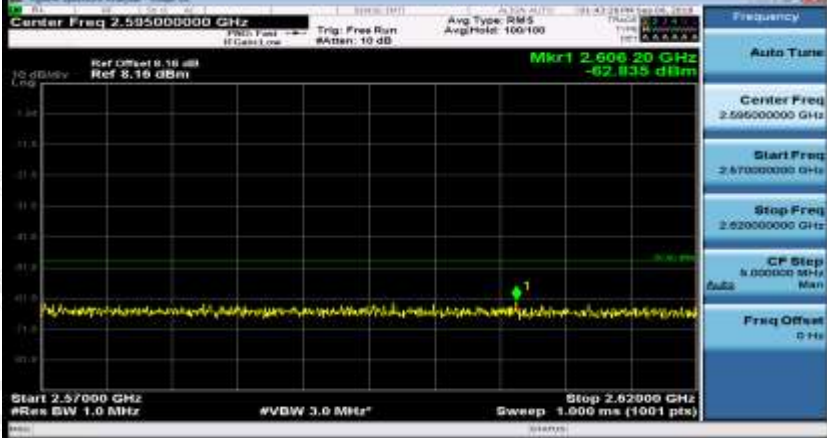
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General			
Co-existence			
Co-existence			

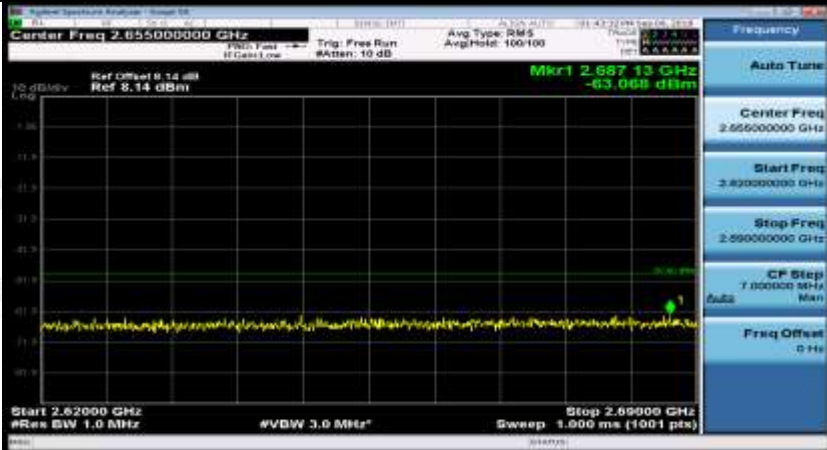
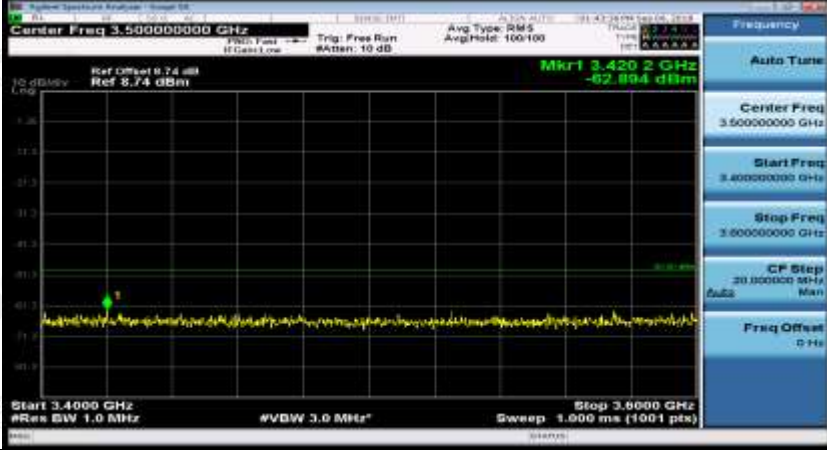
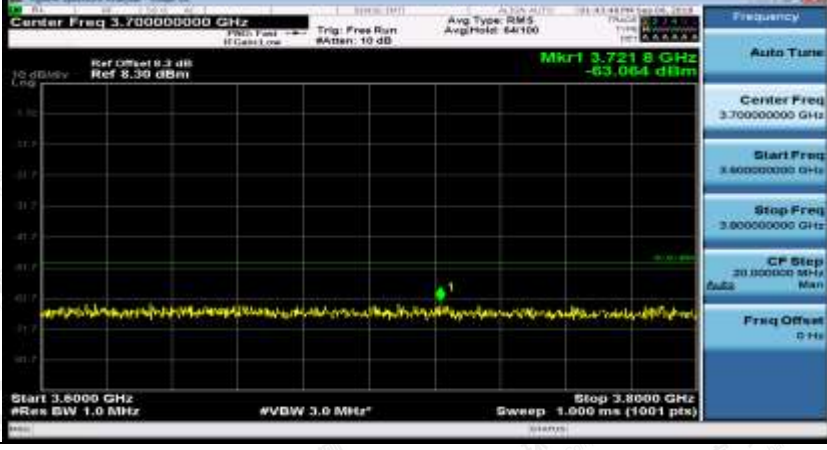
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Co-existence	
Co-existence	
Co-existence	

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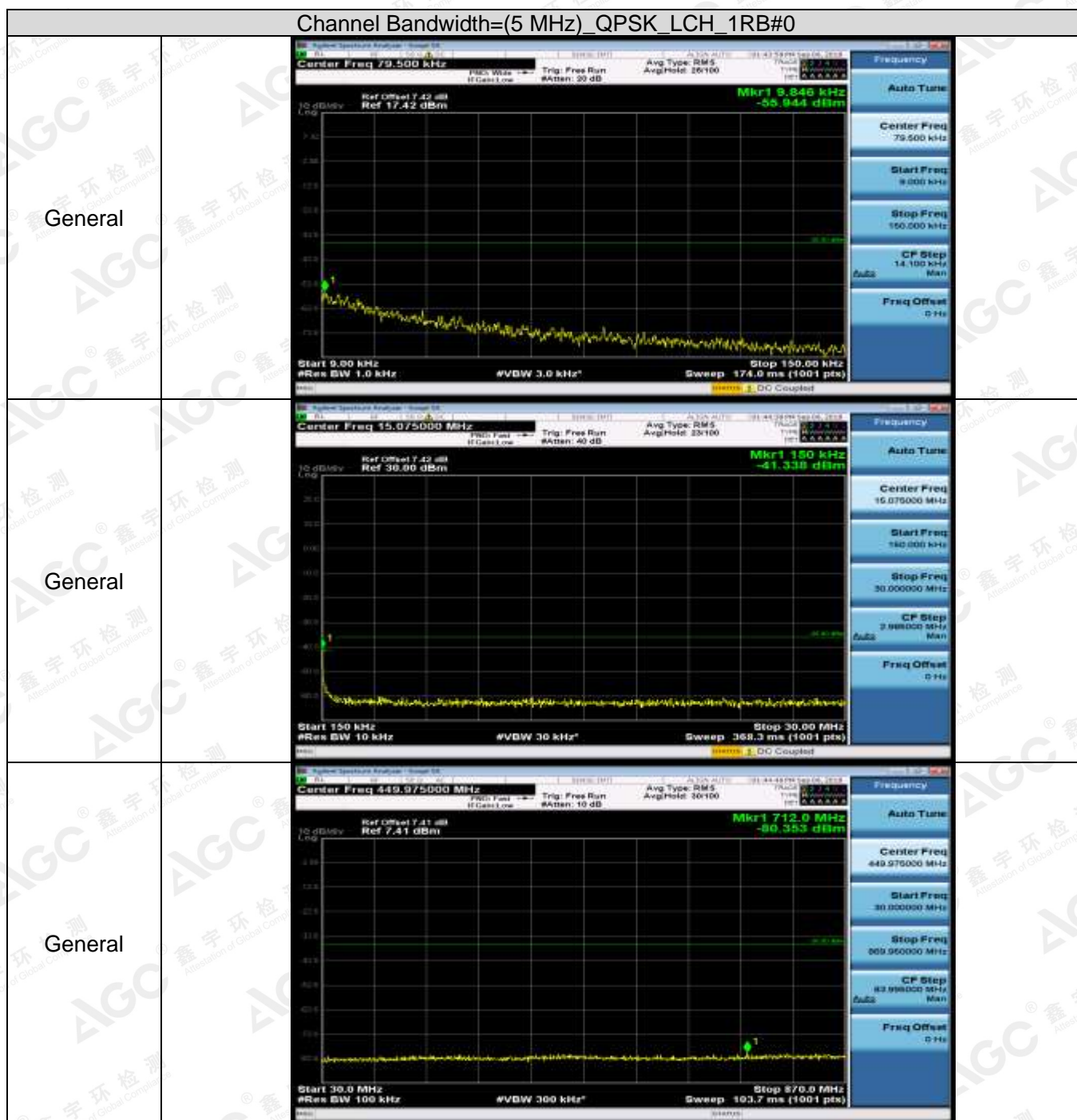
Co-existence	
Co-existence	
Co-existence	

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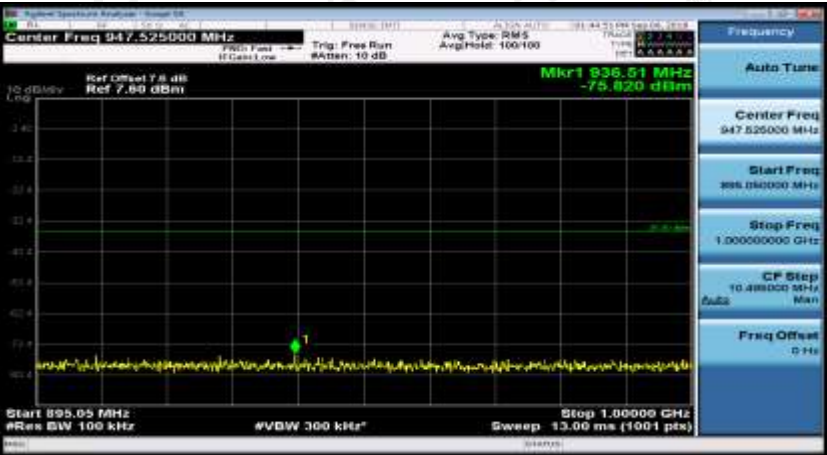
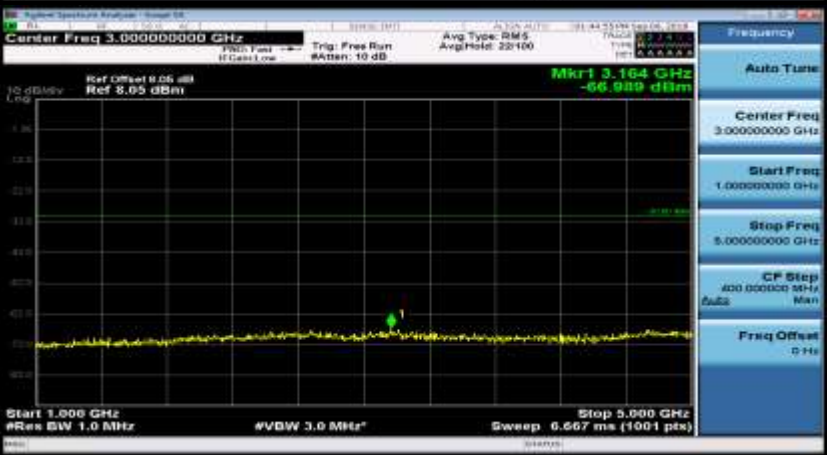

Co-existence	
Co-existence	
Co-existence	
Additional	NA

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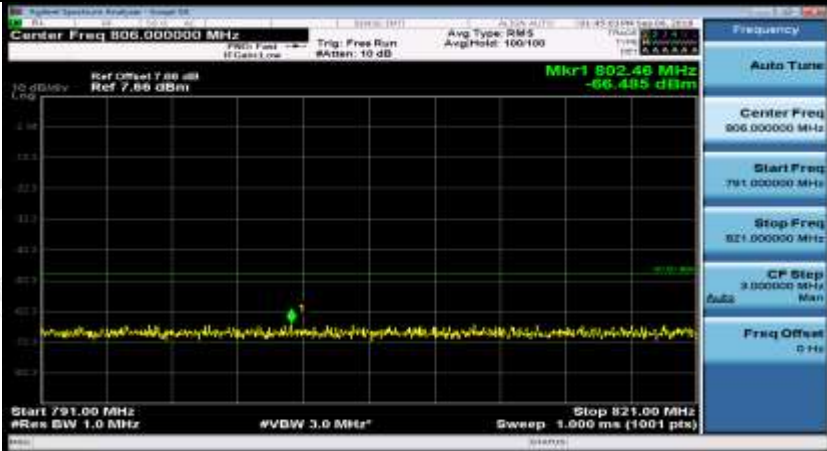
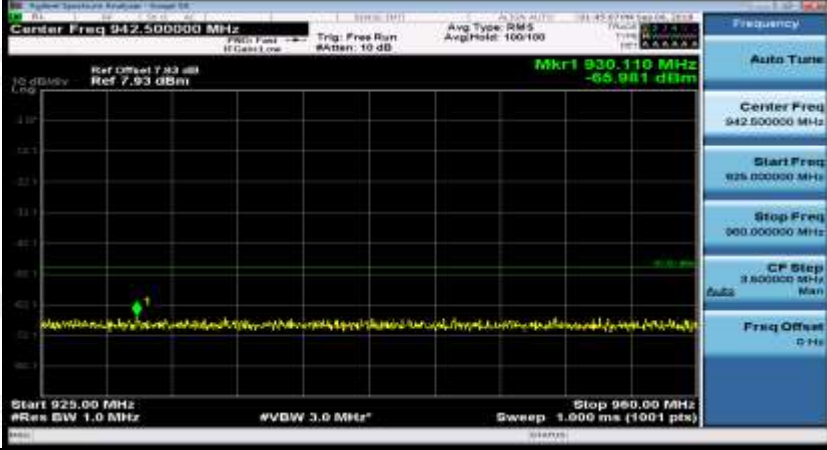
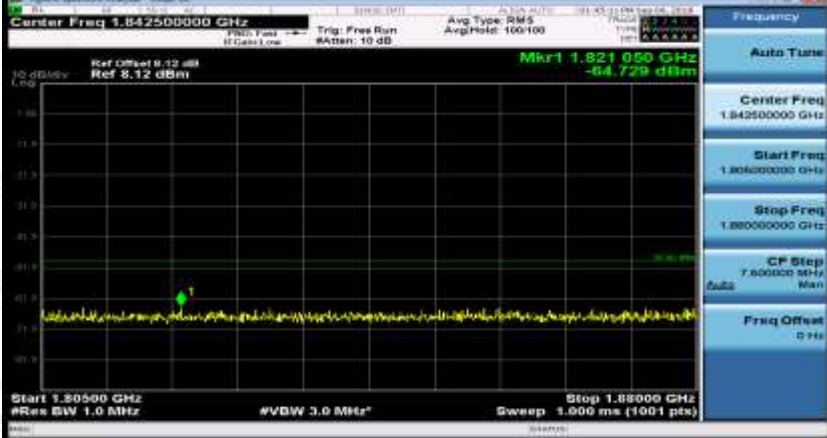
Channel Bandwidth= (5 MHz)



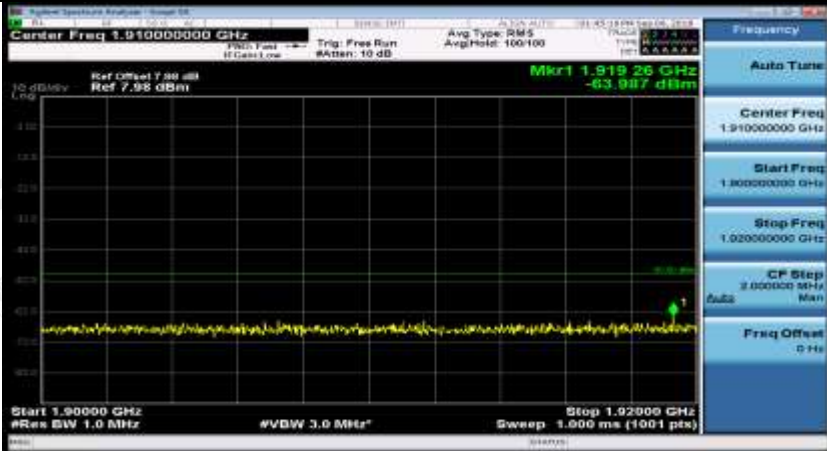
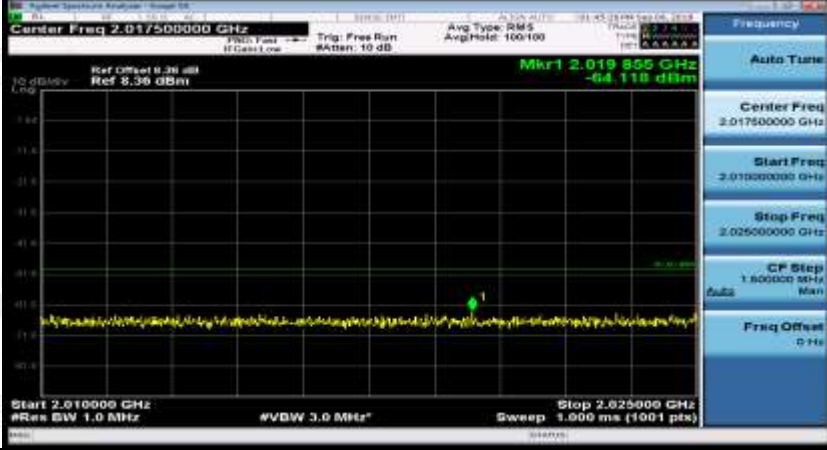
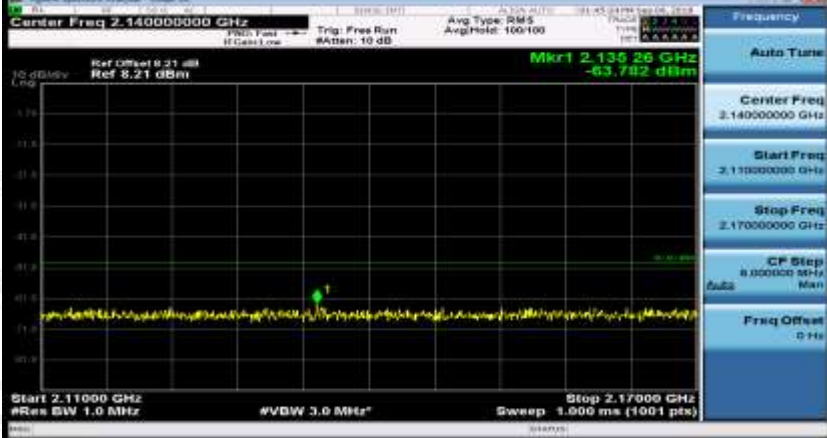
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General		
General		
General		

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Co-existence	
Co-existence	
Co-existence	

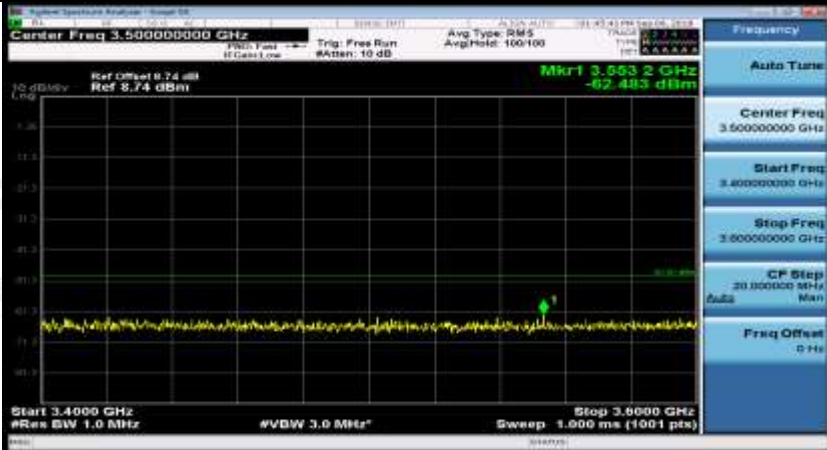
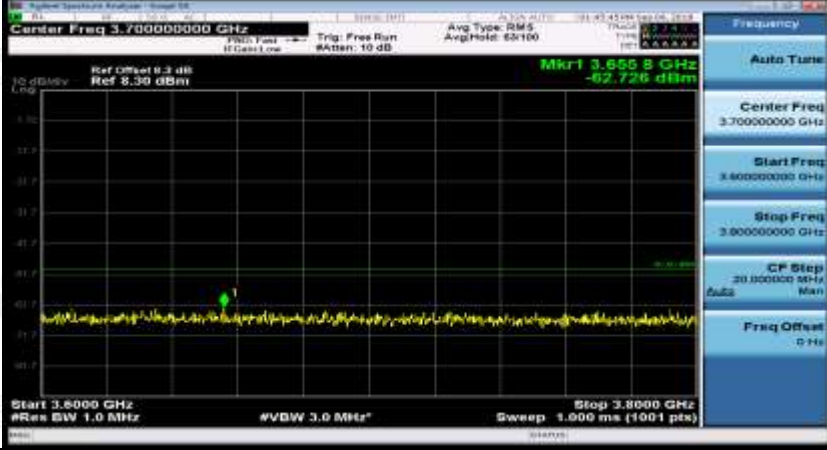
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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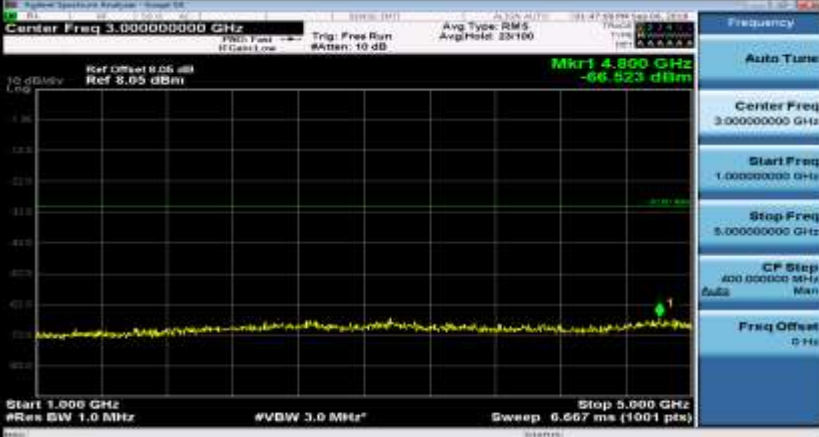
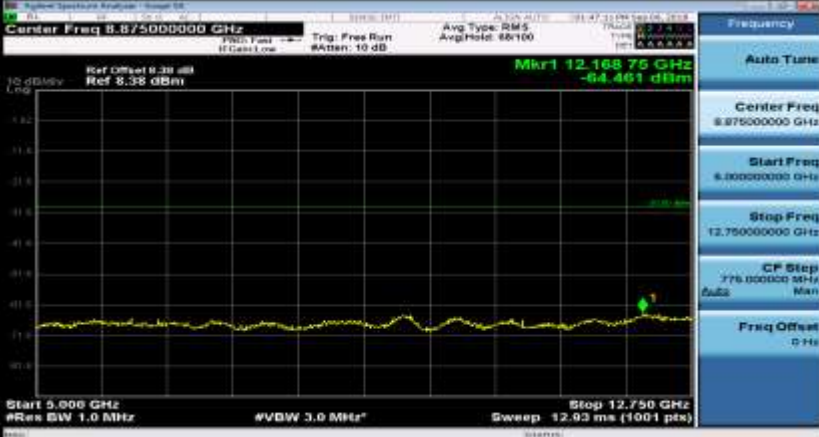
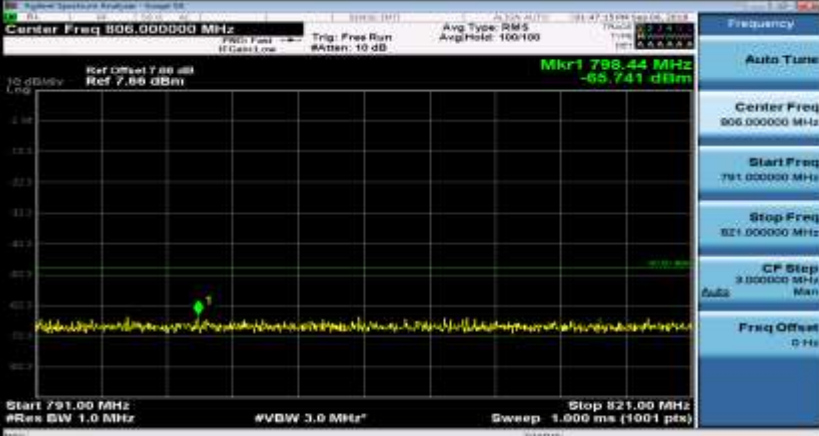
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_LCH_1RB#max	
General	

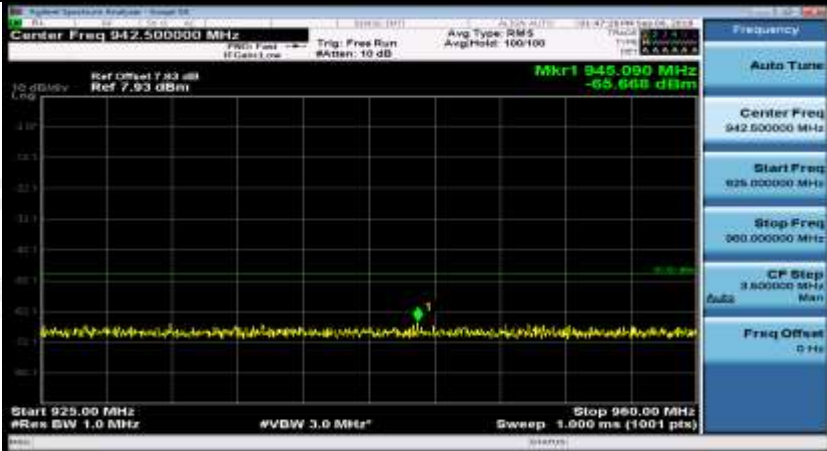
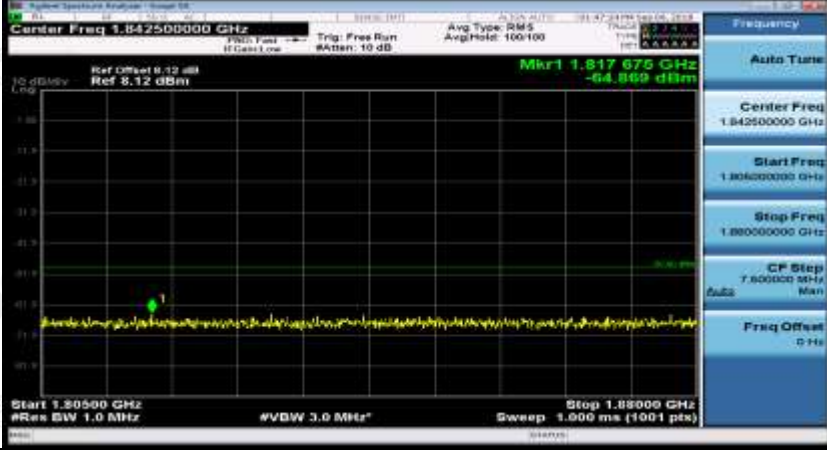
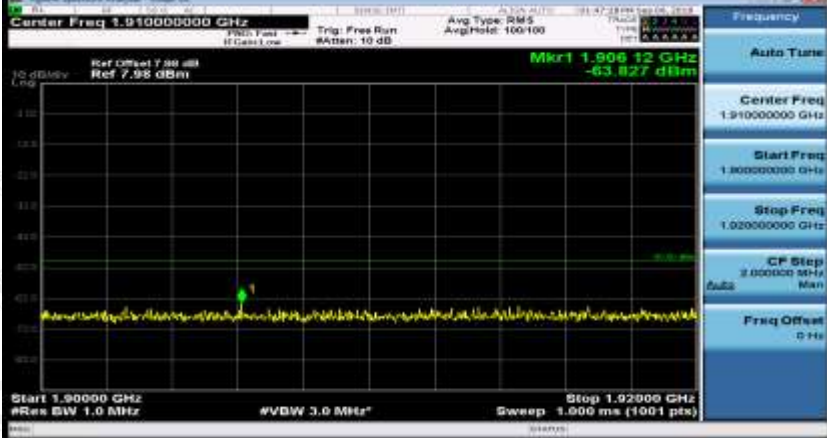
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General	
General	
General	

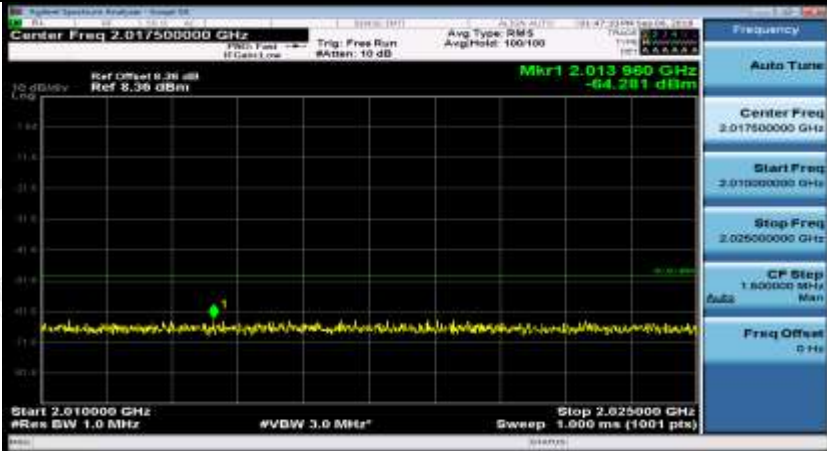
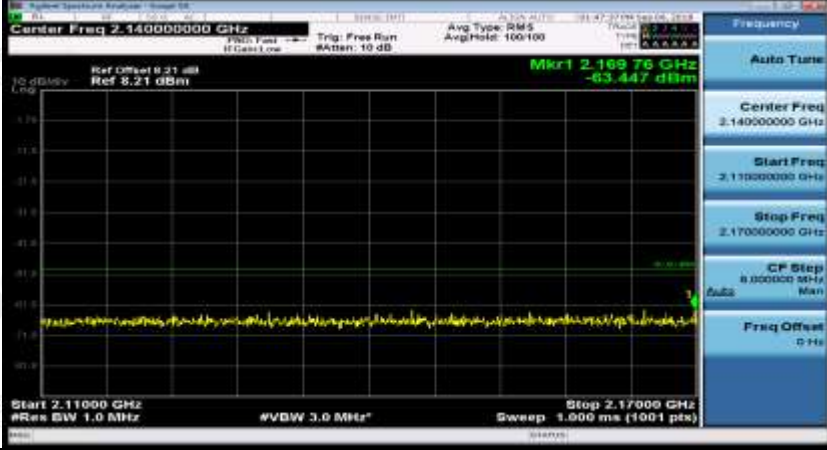

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General			
General			
Co-existence			

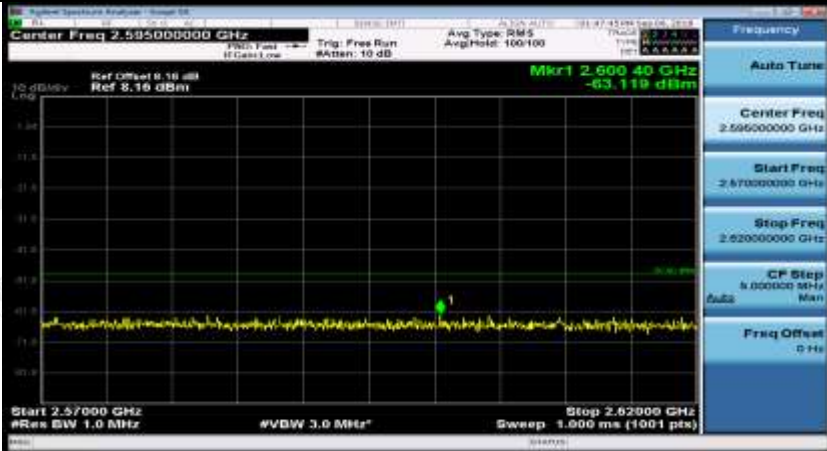
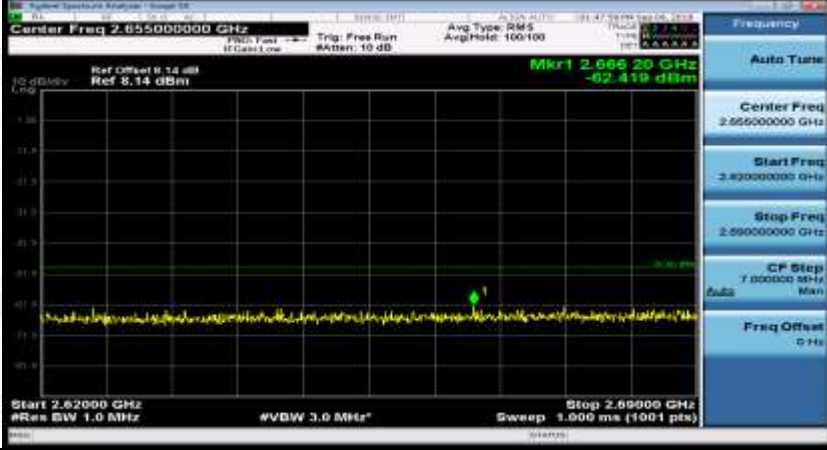
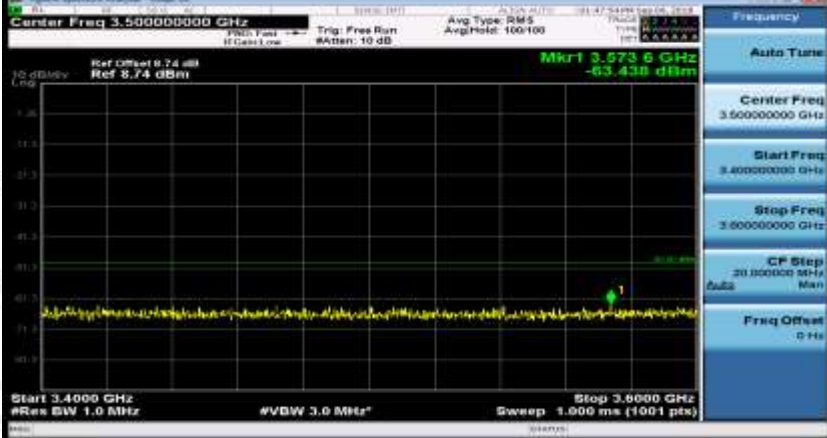
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Co-existence	
Co-existence	
Co-existence	

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Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Additional	NA

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

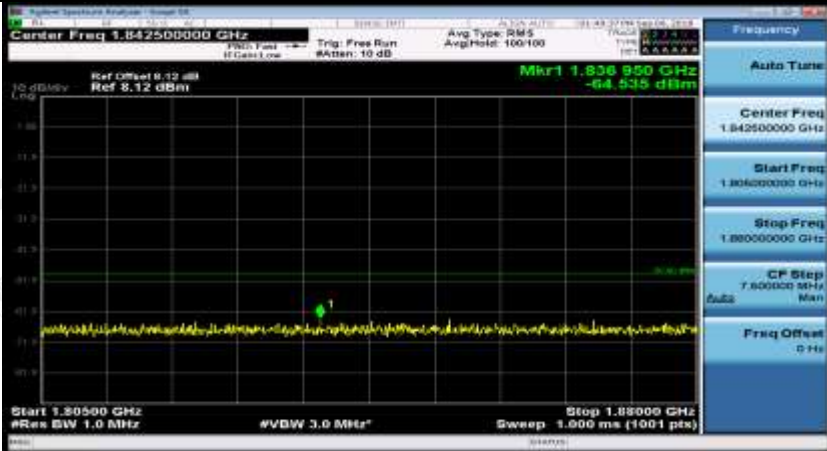
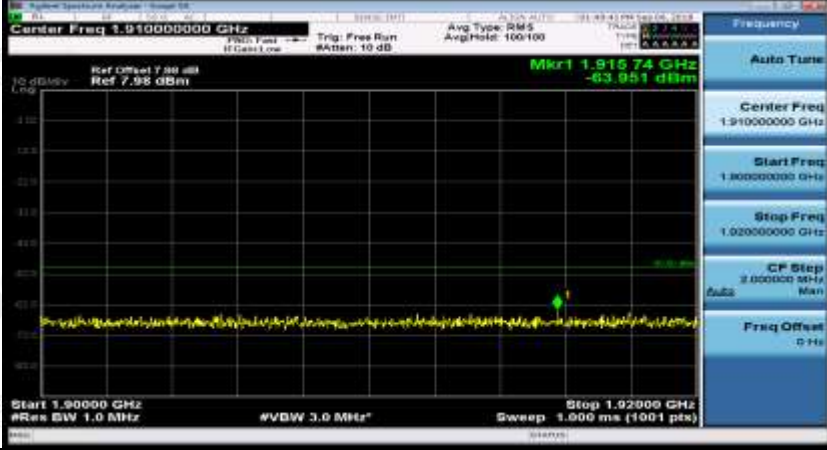
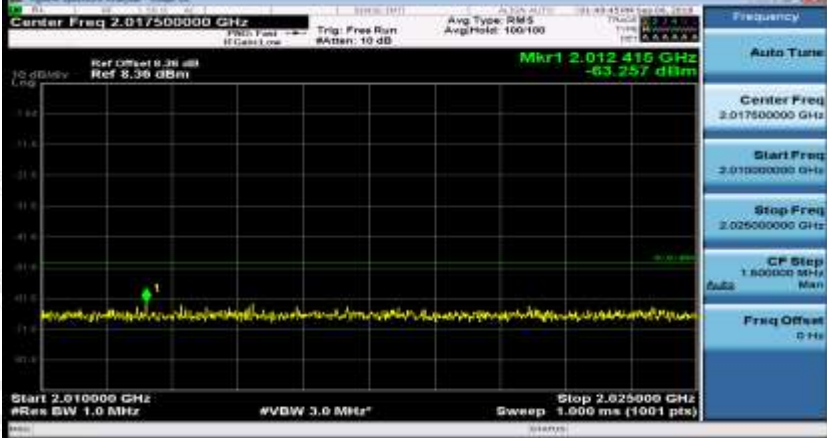
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General			
General			
General			

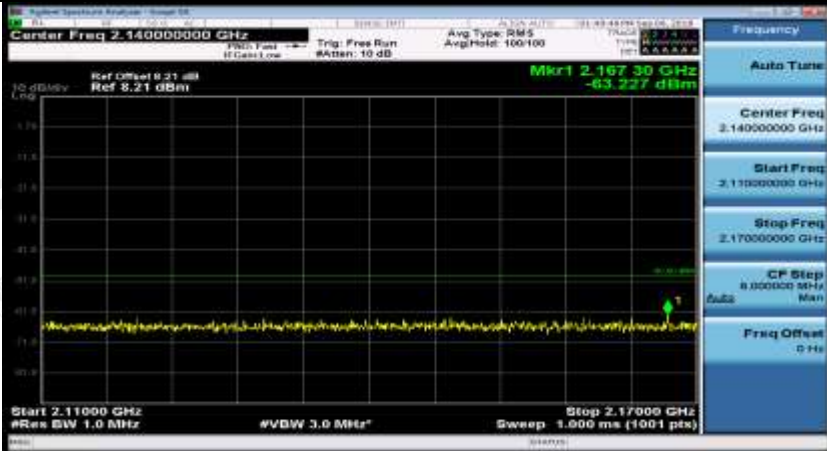

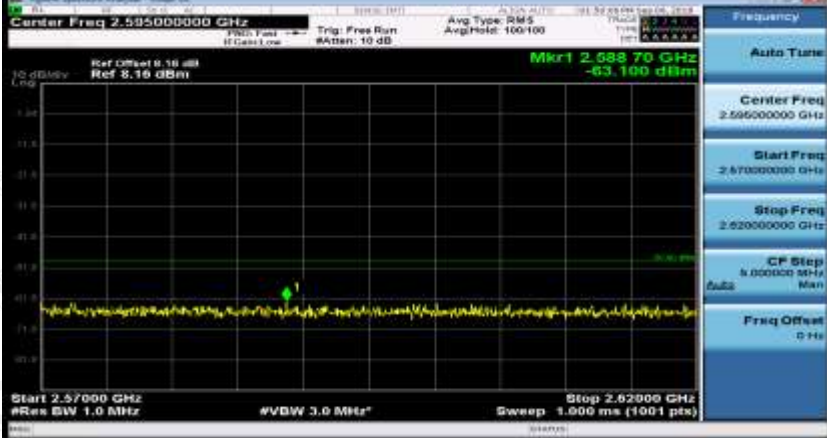
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General		
Co-existence		
Co-existence		

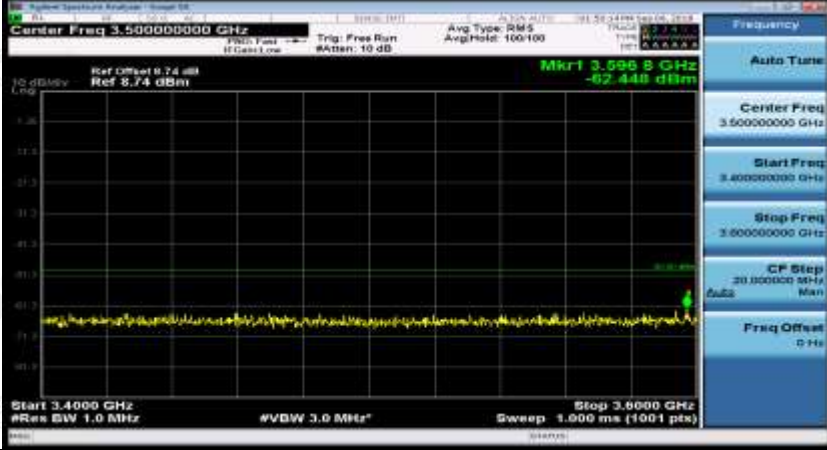
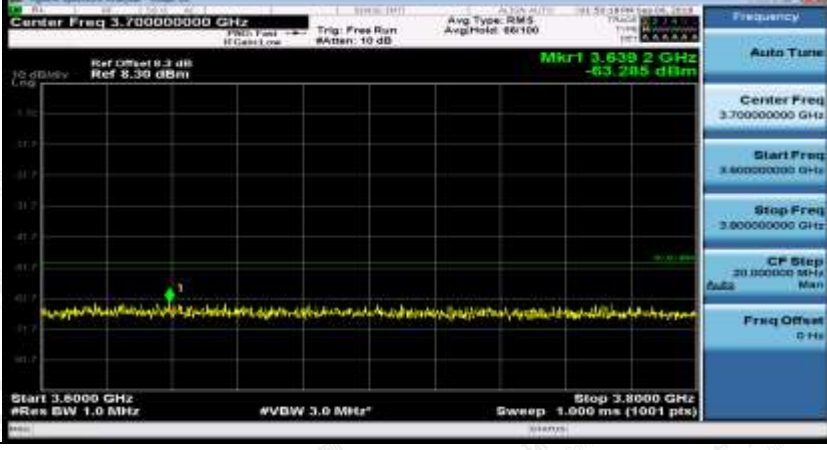
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Co-existence	
Co-existence	
Co-existence	



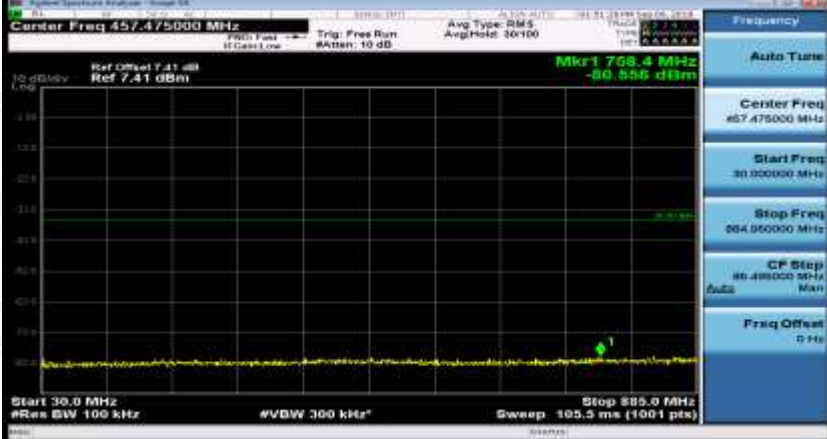
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Co-existence	
Co-existence	
Co-existence	

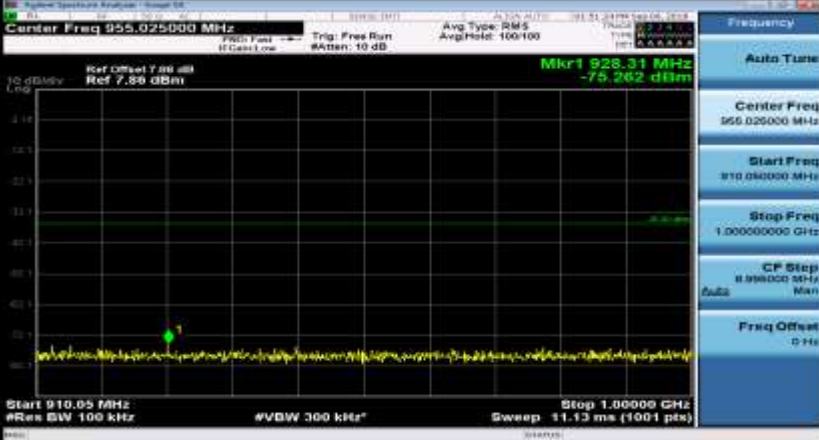


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Co-existence	
Co-existence	
Co-existence	
Additional	NA

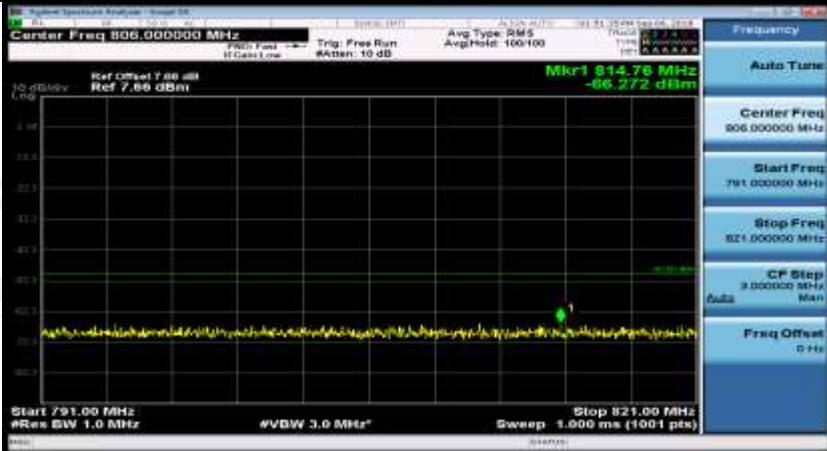
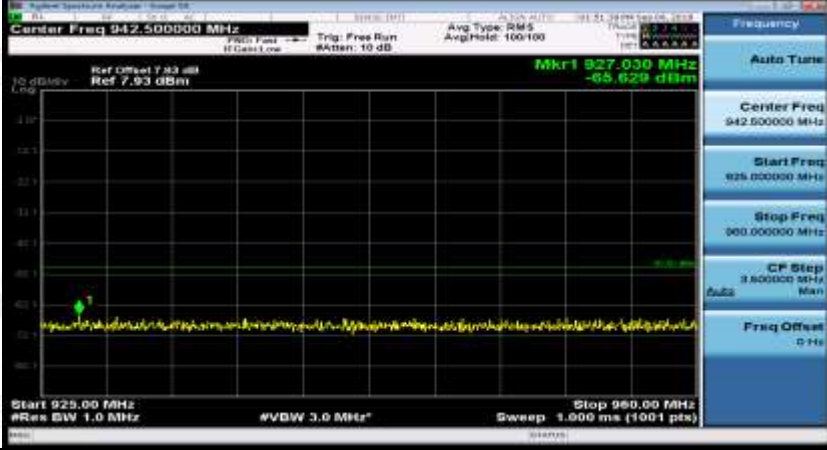
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Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0		
General		
General		
General		

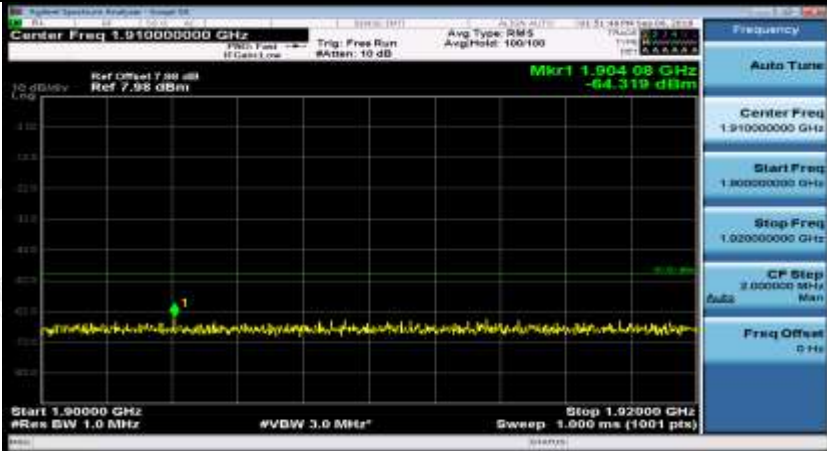
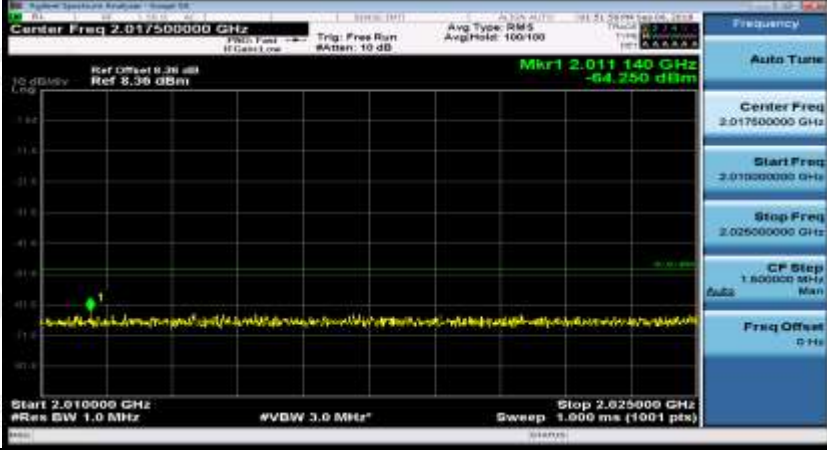
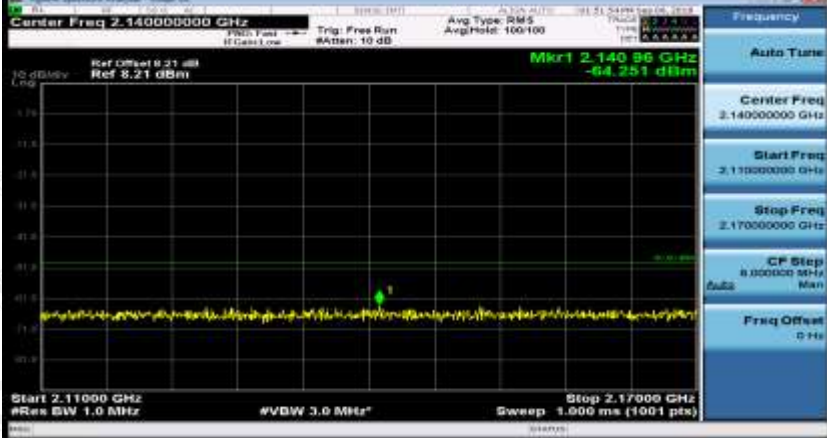
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General			
General			
General			

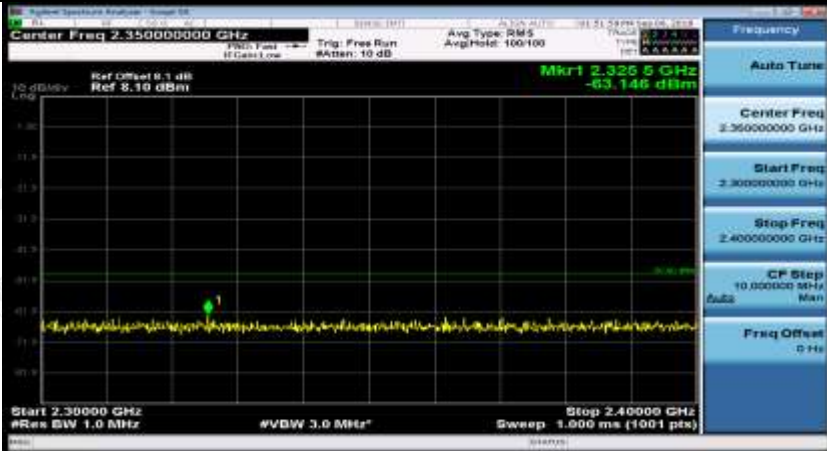
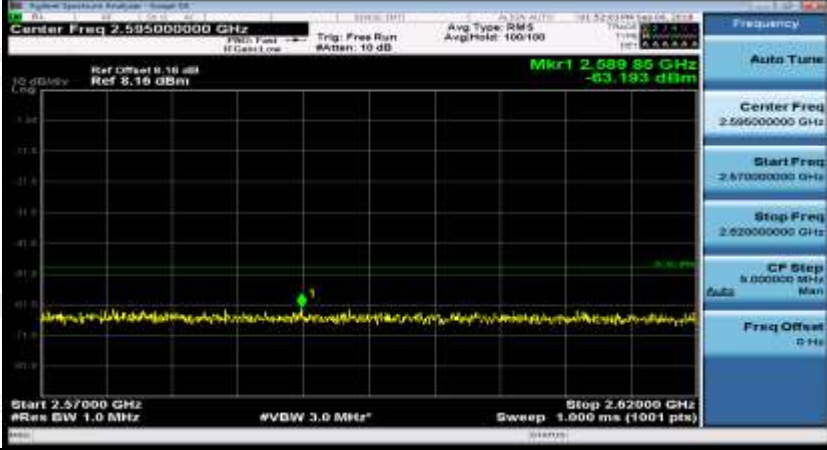
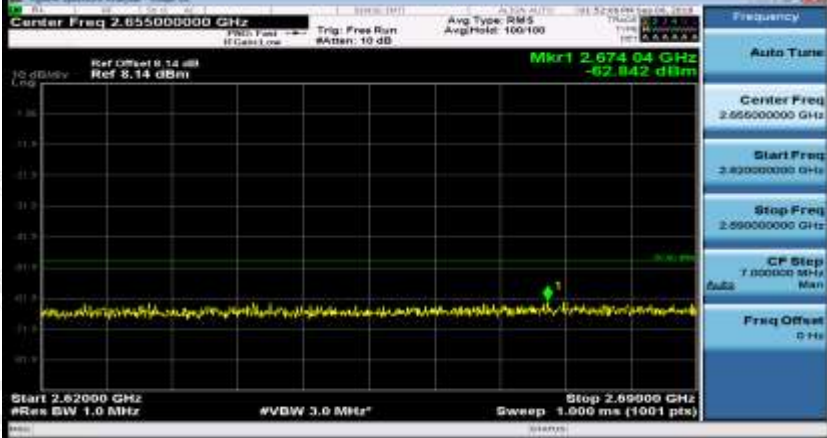
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Co-existence	
Co-existence	
Co-existence	

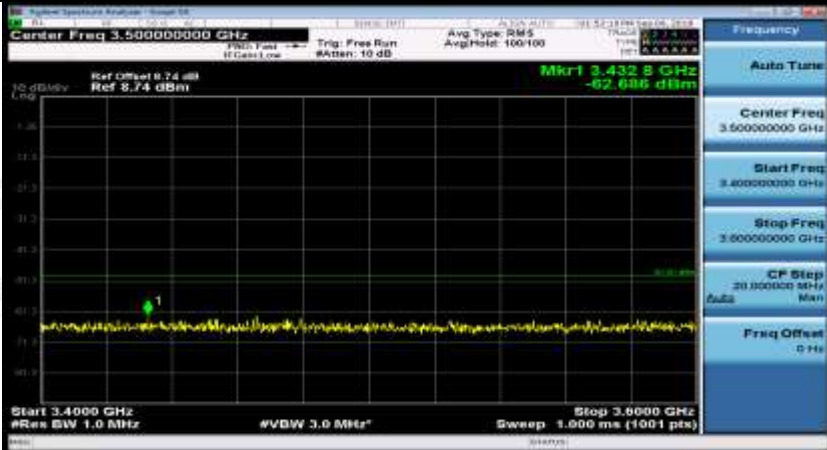
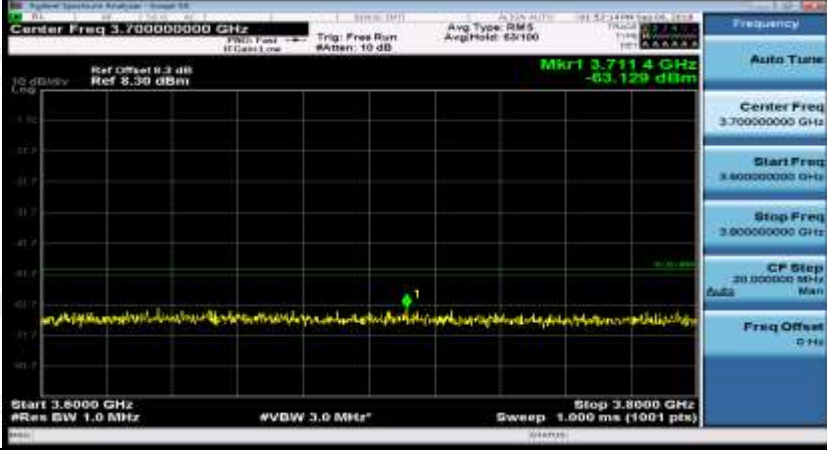
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Co-existence	
Co-existence	
Co-existence	

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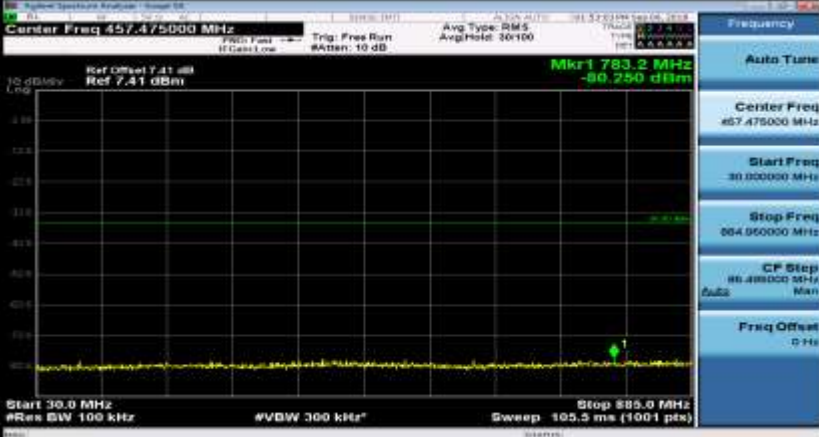
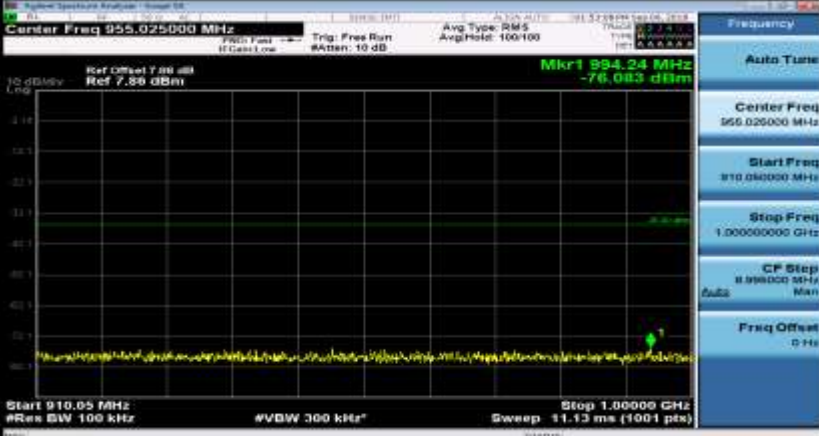
Co-existence	
Co-existence	
Co-existence	

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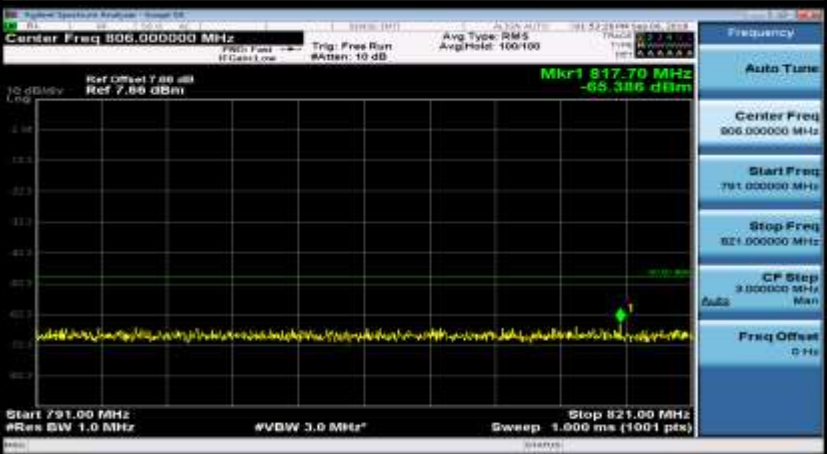
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#max		
General		

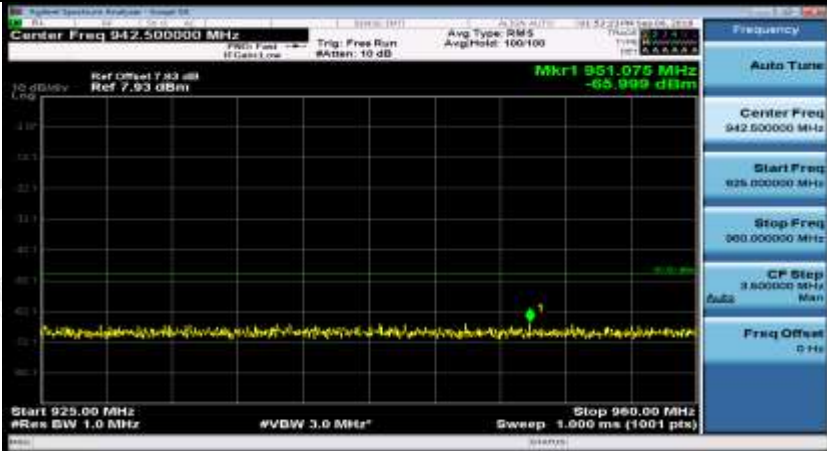
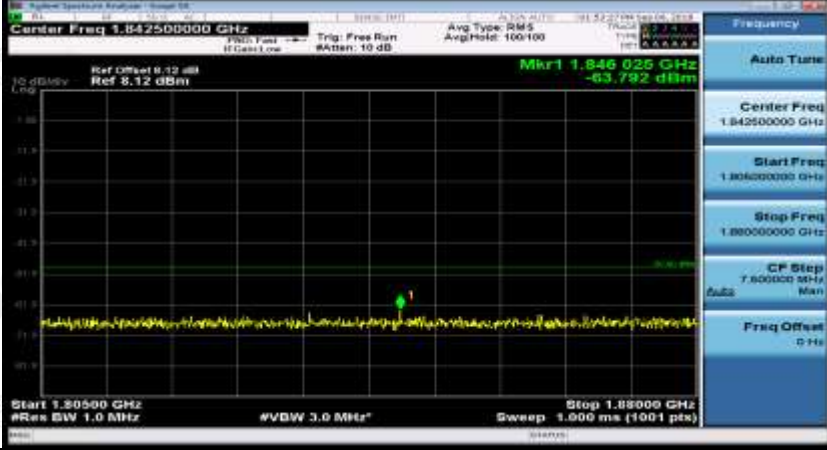
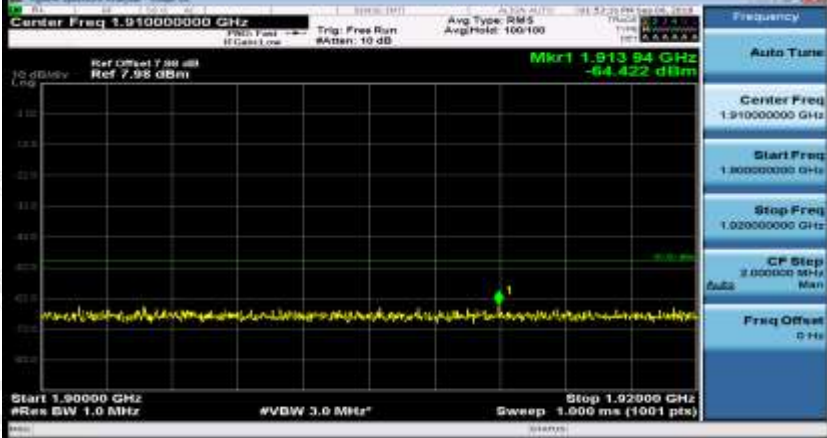
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General			
General			
General			

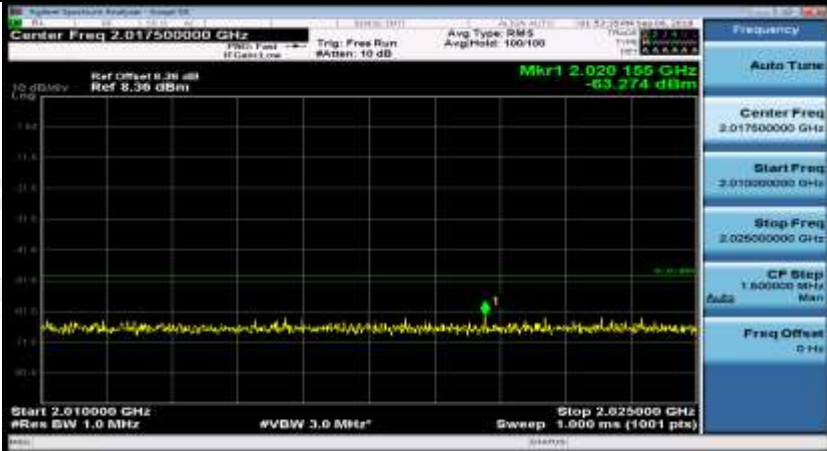
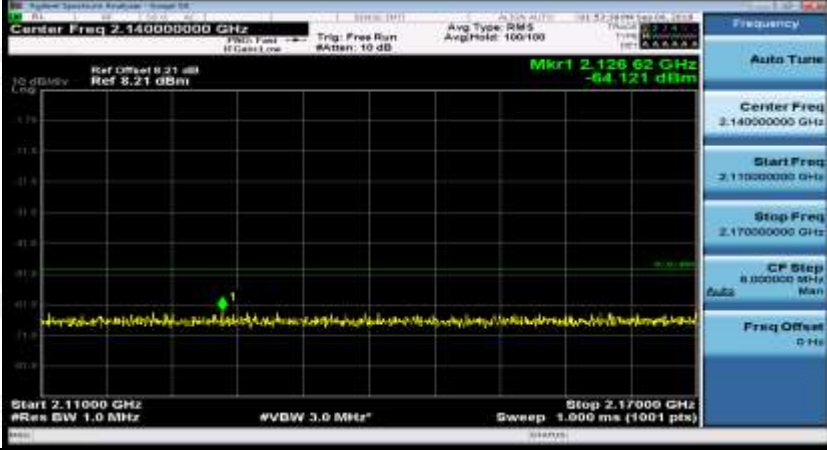
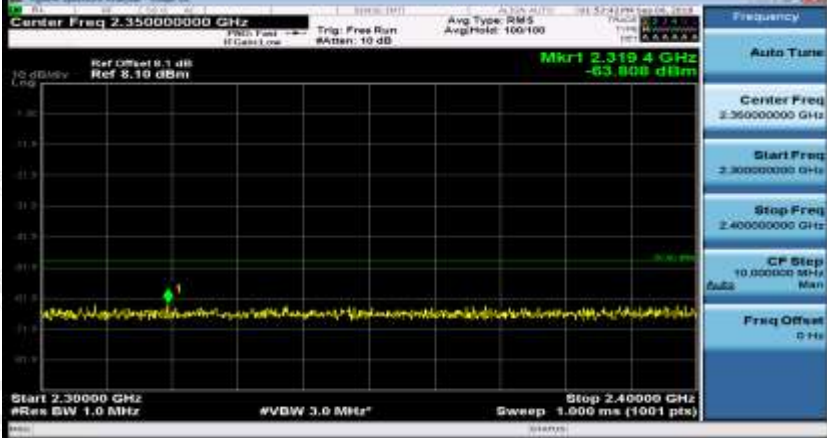
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General		
General		
Co-existence		

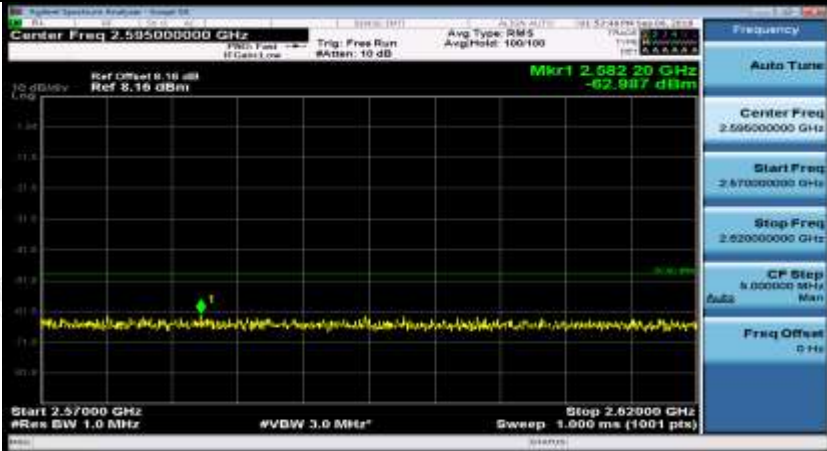
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Co-existence	
Co-existence	
Co-existence	

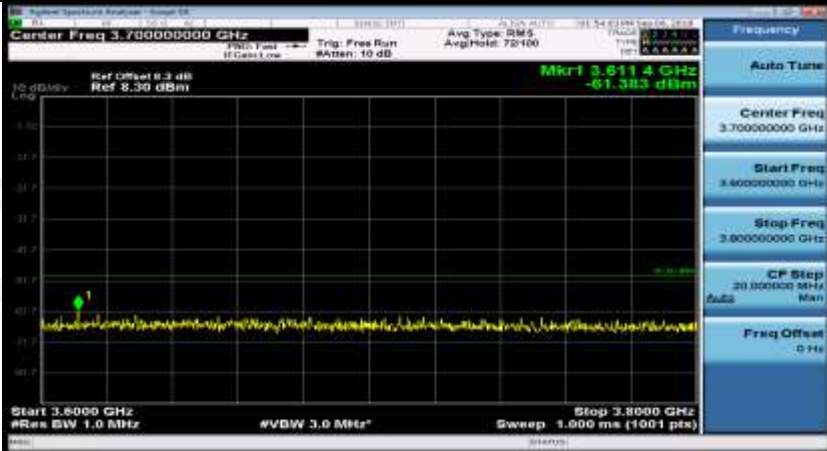
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Co-existence	
Co-existence	
Co-existence	

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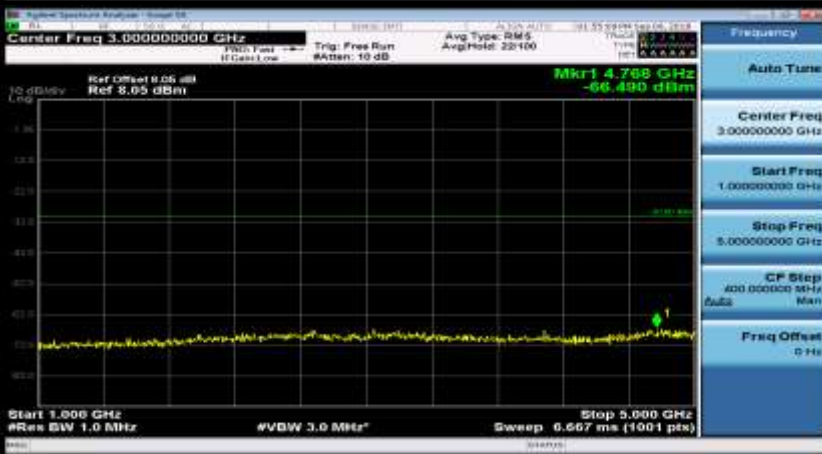
Co-existence	
Co-existence	
Co-existence	

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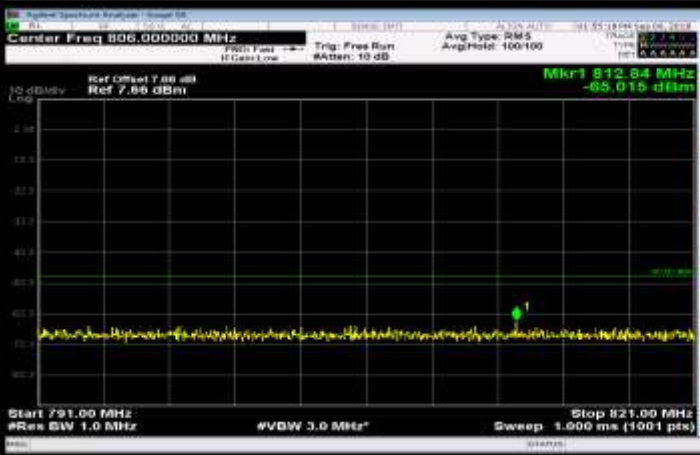
Co-existence	
Additional	NA

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

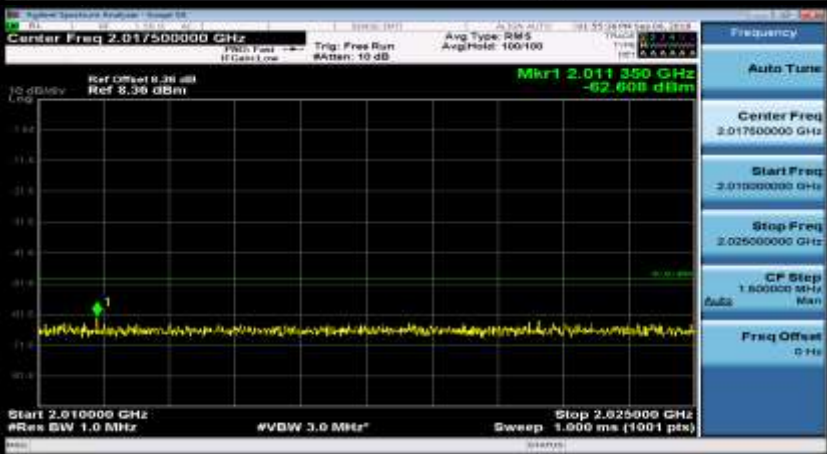
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General		
General		
General		

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General		
Co-existence		
Co-existence		

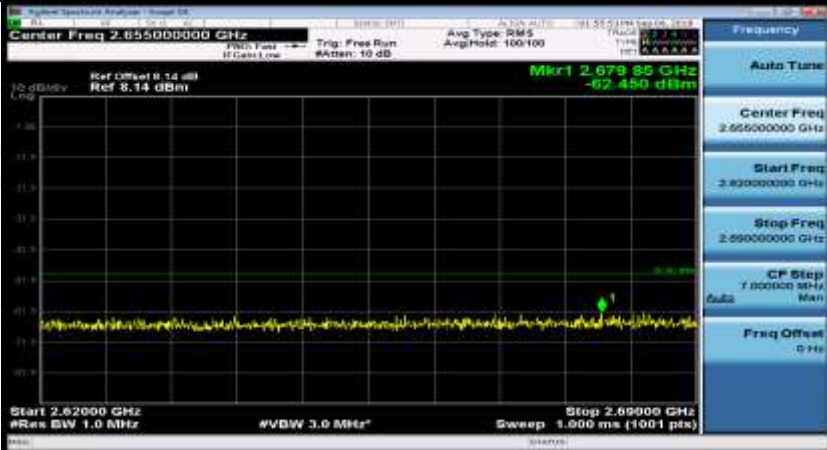
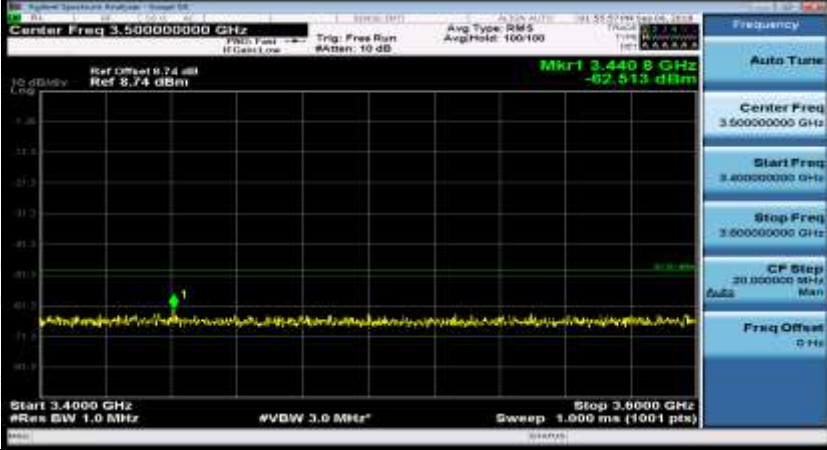

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Co-existence	
Co-existence	
Co-existence	

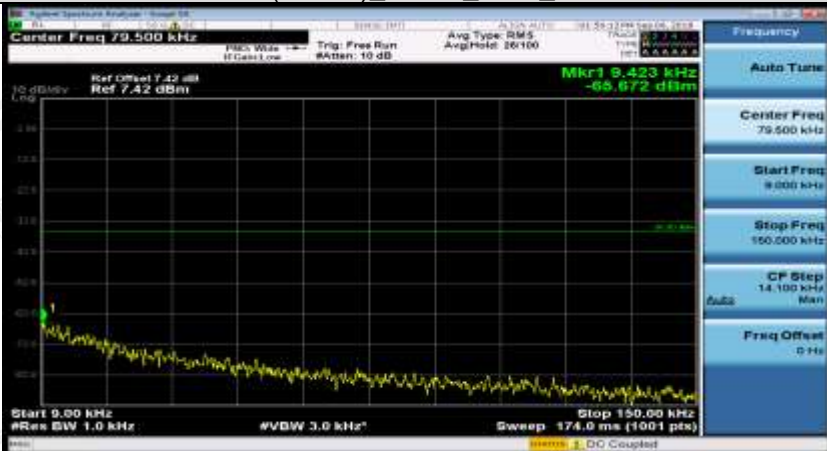
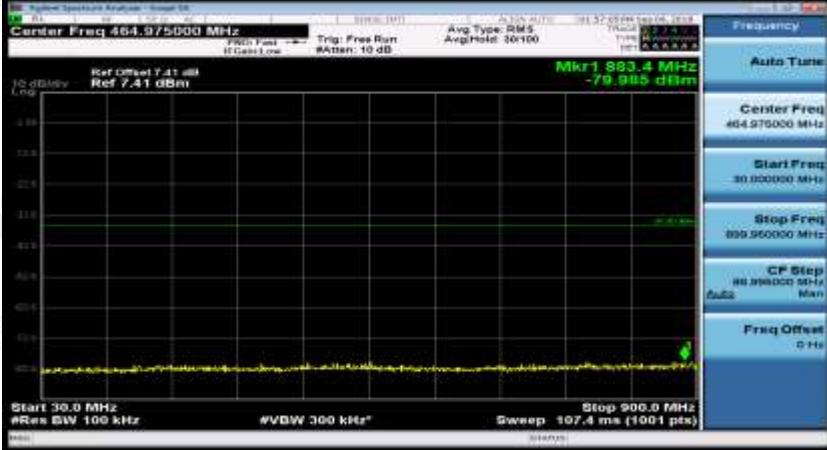
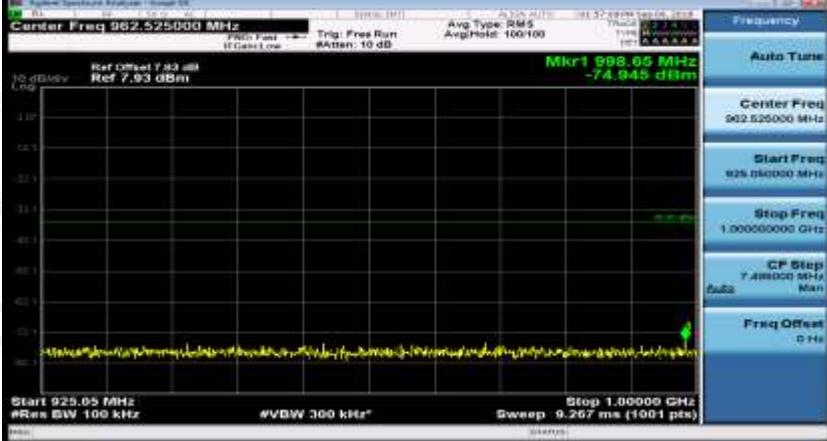
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Co-existence	
Co-existence	
Co-existence	



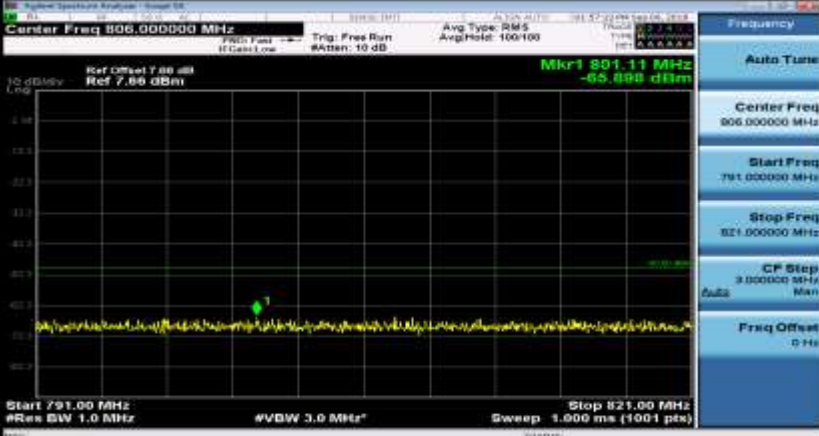
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Co-existence	
Co-existence	
Co-existence	
Additional	NA

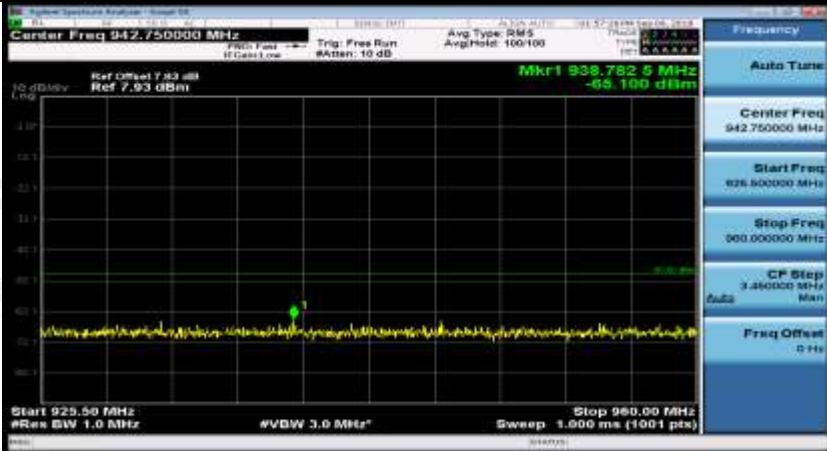
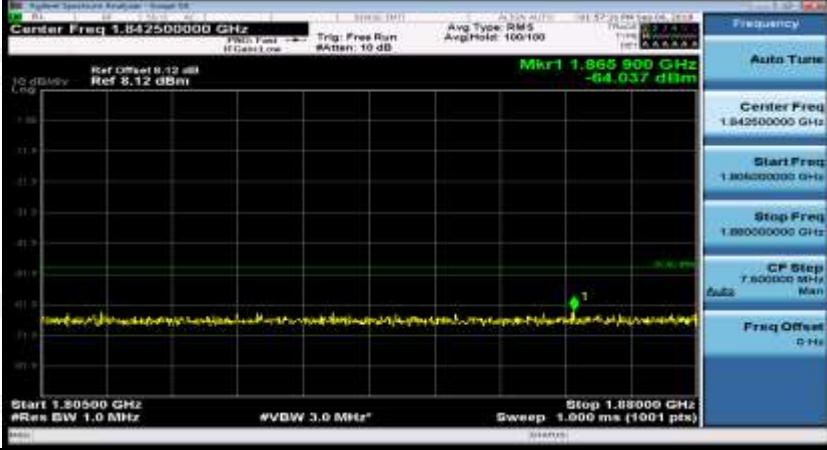
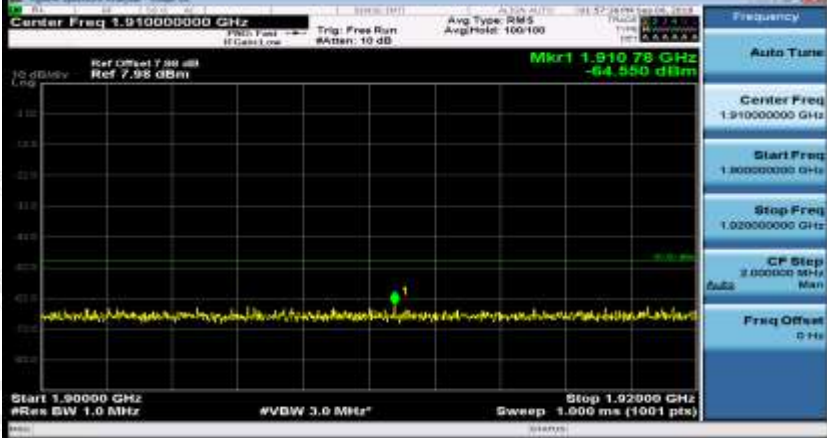
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Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	
General	
General	

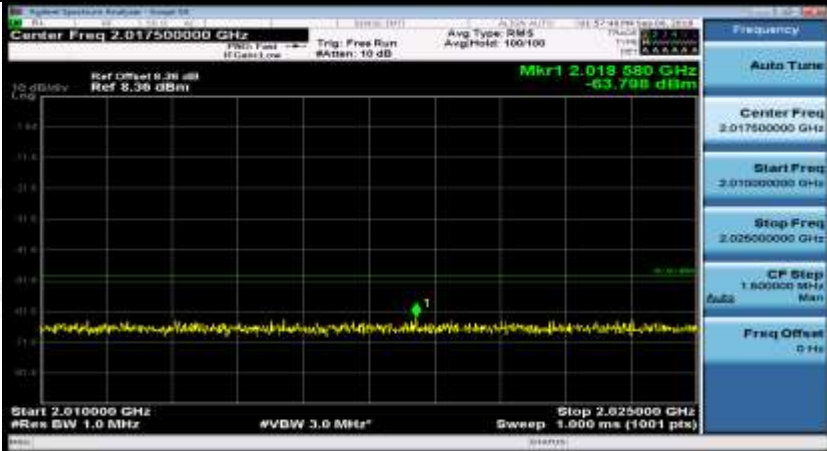
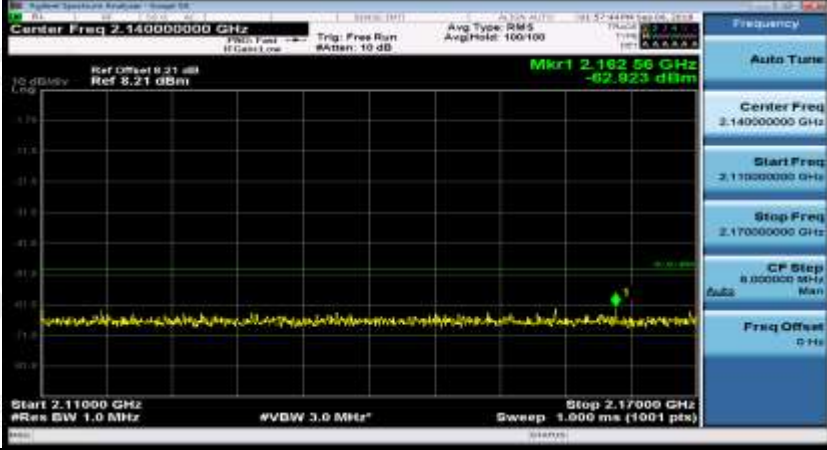

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General			
General			
Co-existence			

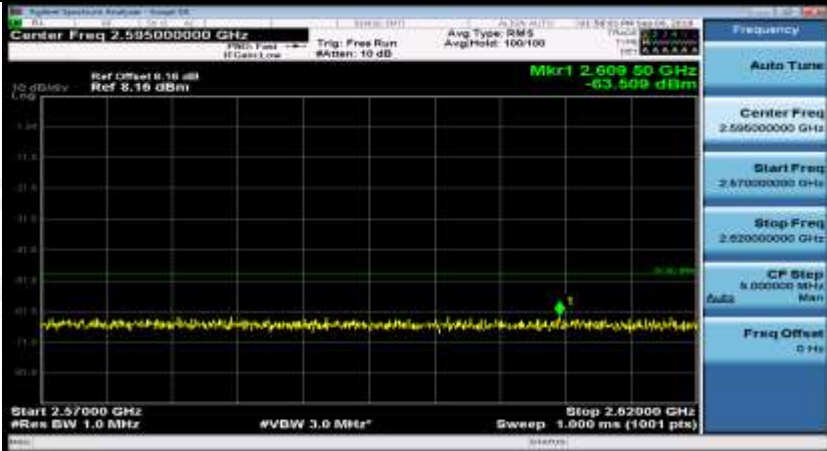
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Co-existence	
Co-existence	
Co-existence	

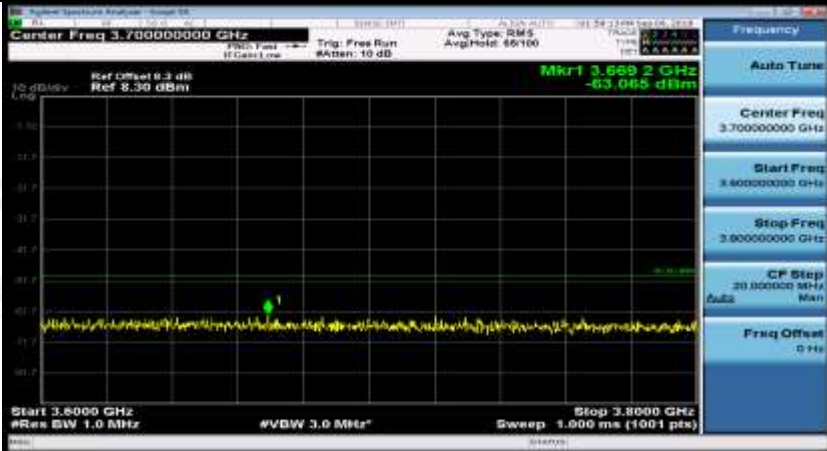
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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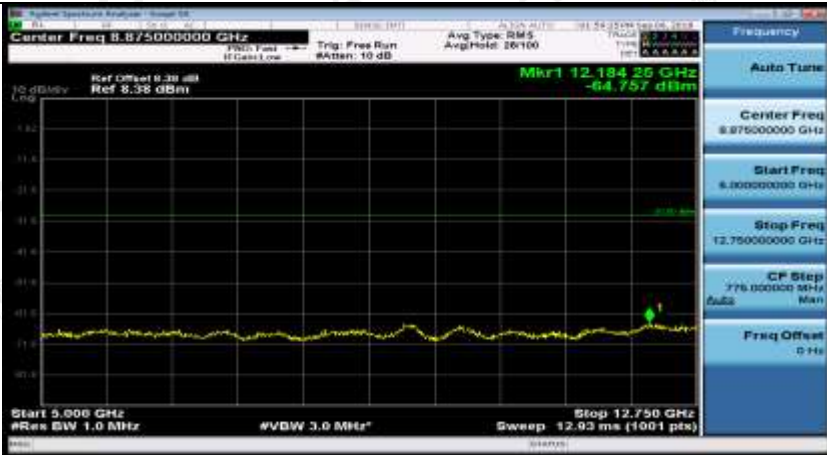
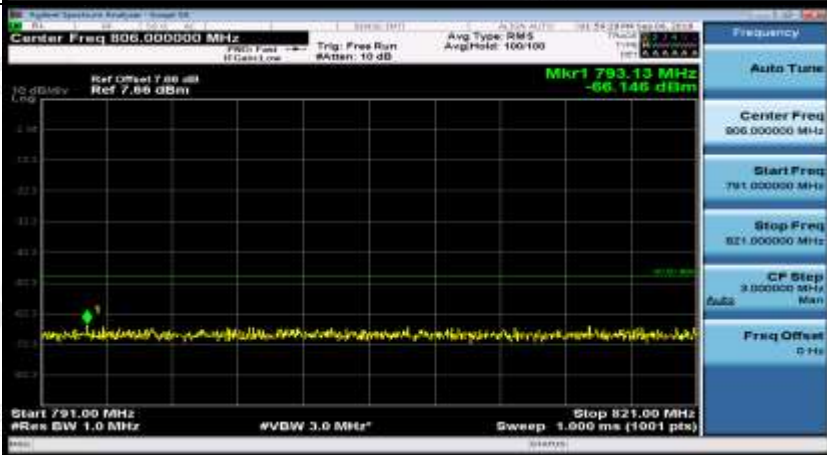
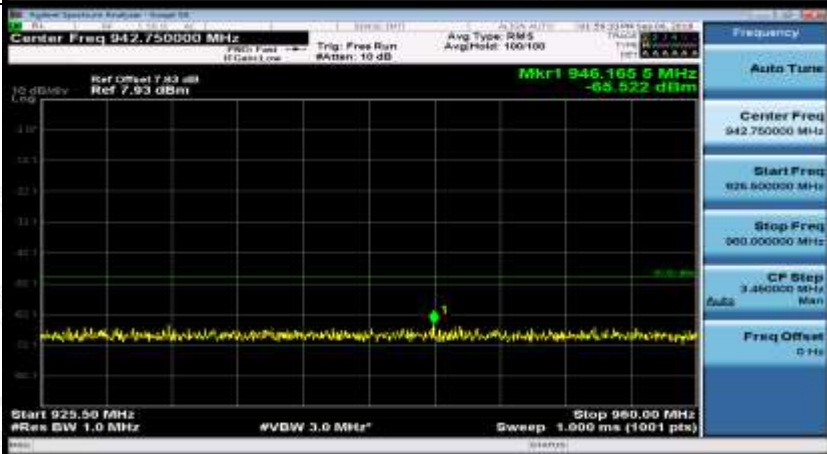
Co-existence	
Additional	NA

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

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General			
General			
General			

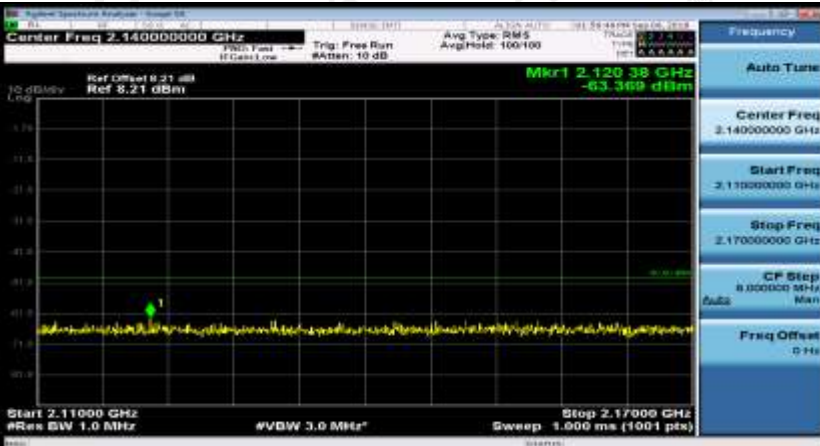
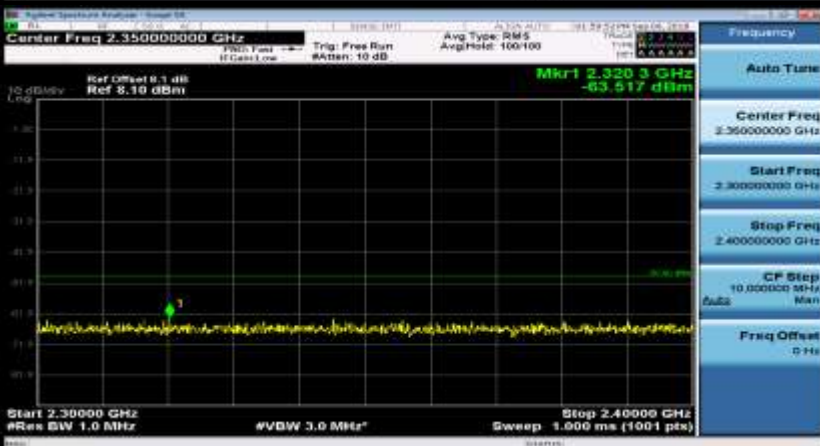
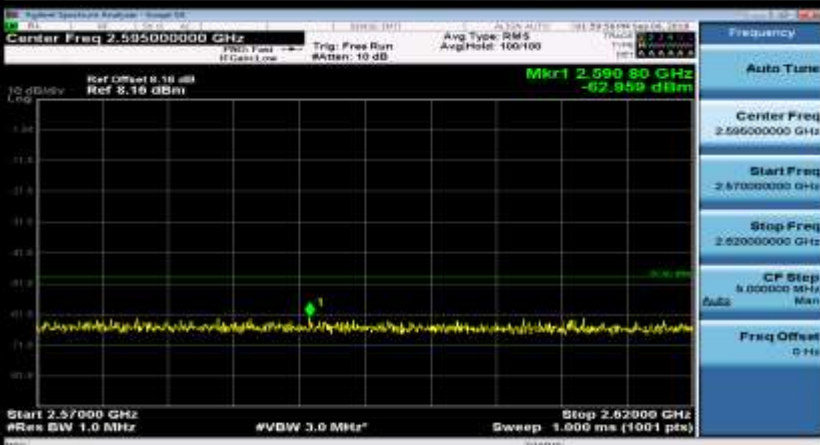
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General	
Co-existence	
Co-existence	

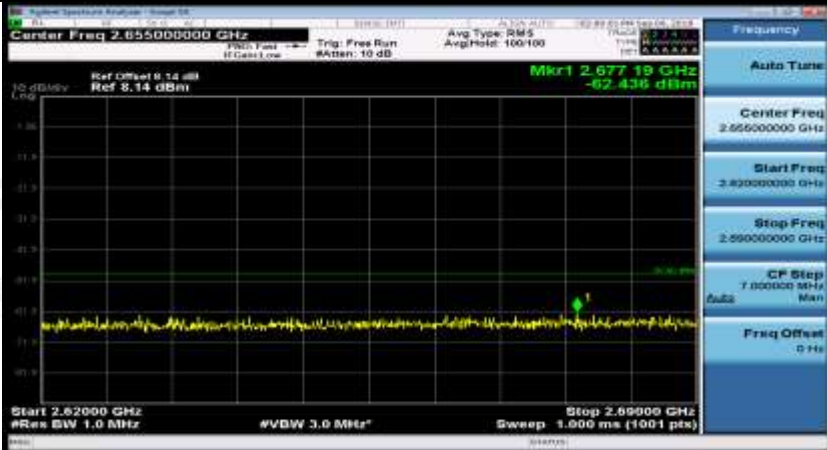
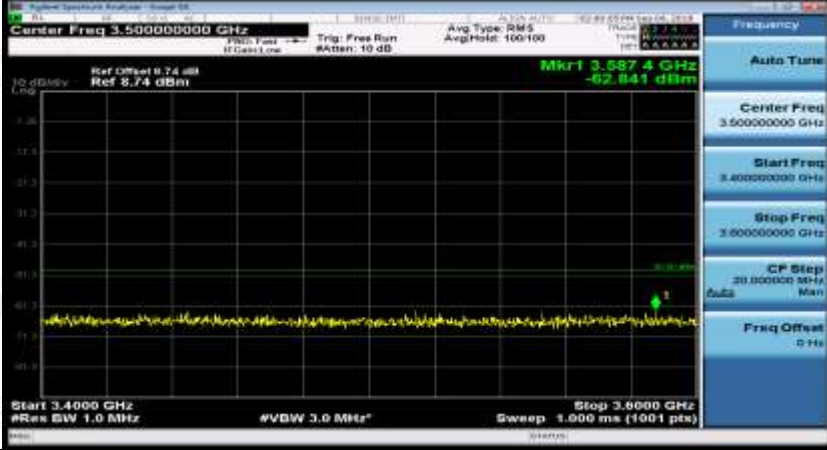
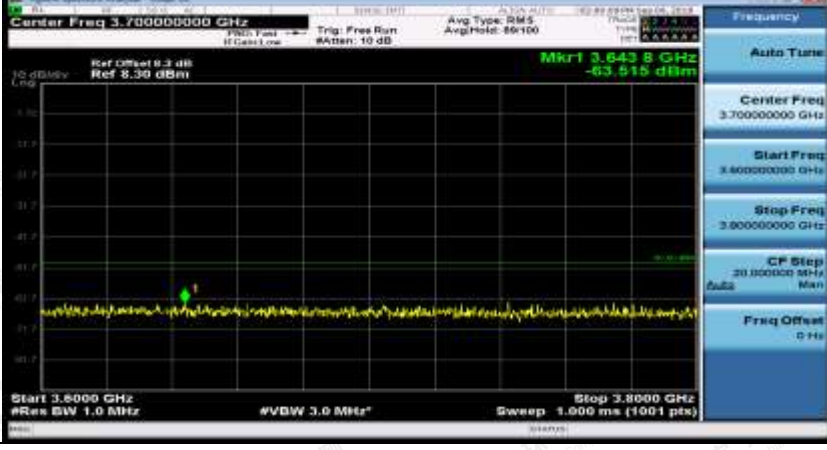
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Co-existence	
Co-existence	
Co-existence	



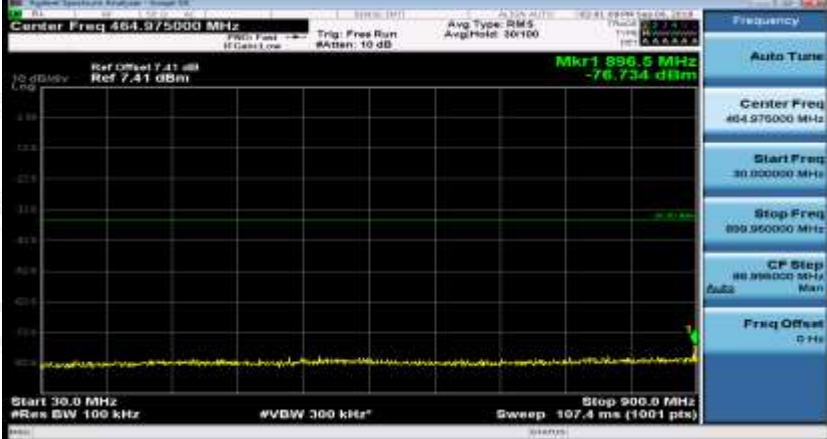
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Co-existence			
Co-existence			
Co-existence			

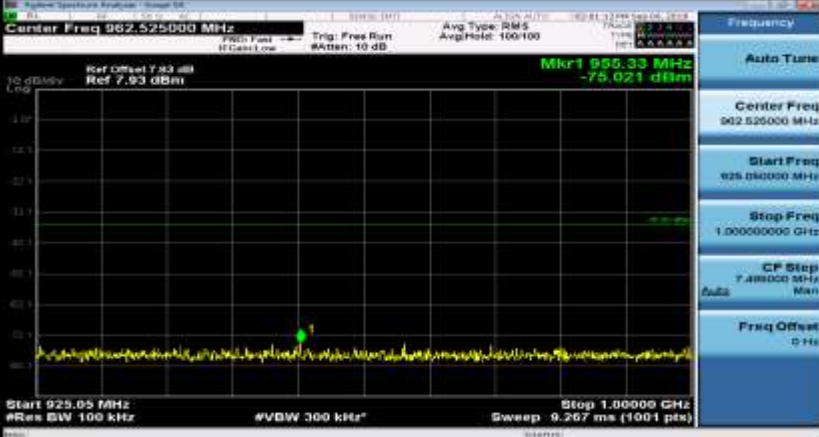


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Co-existence	
Co-existence	
Co-existence	
Additional	NA

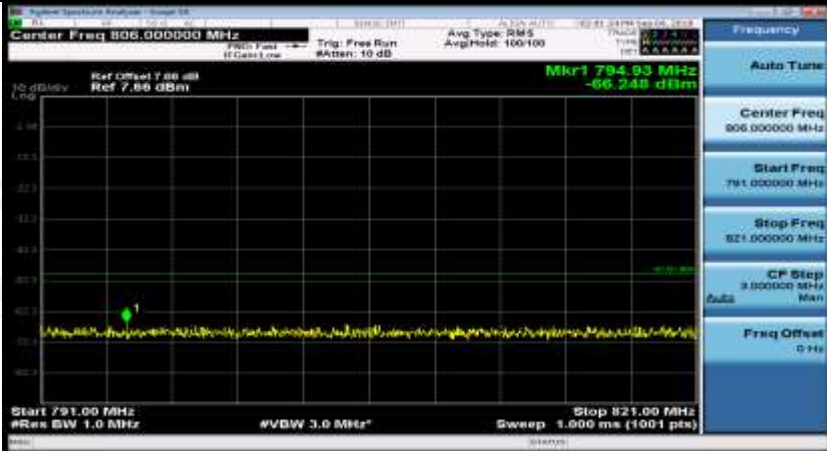
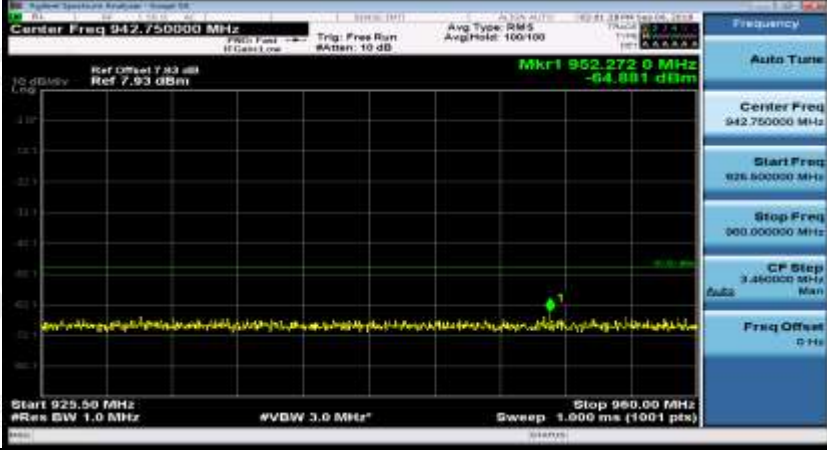
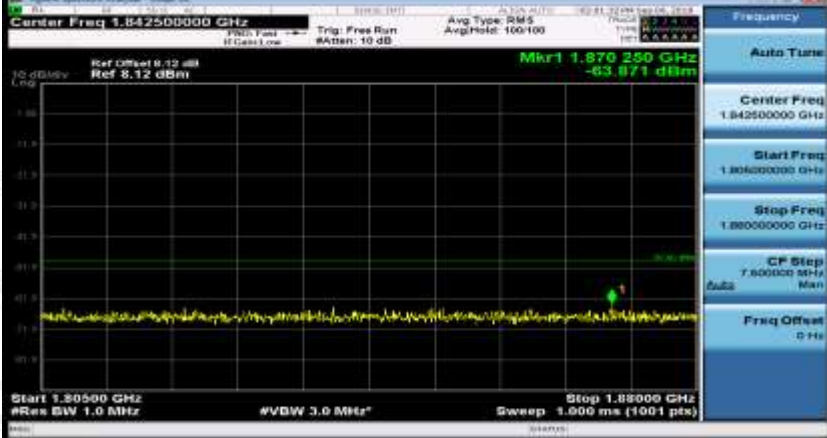
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Channel Bandwidth= (5 MHz)_QPSK_HCH_FullIRB#0		
General		
General		
General		

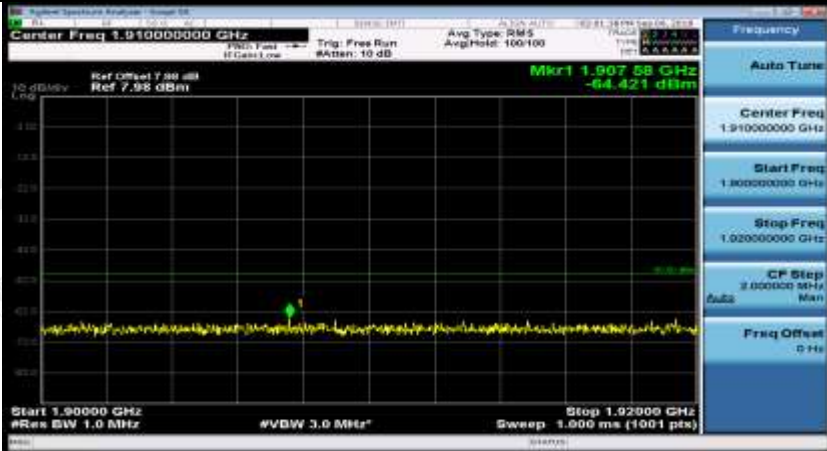
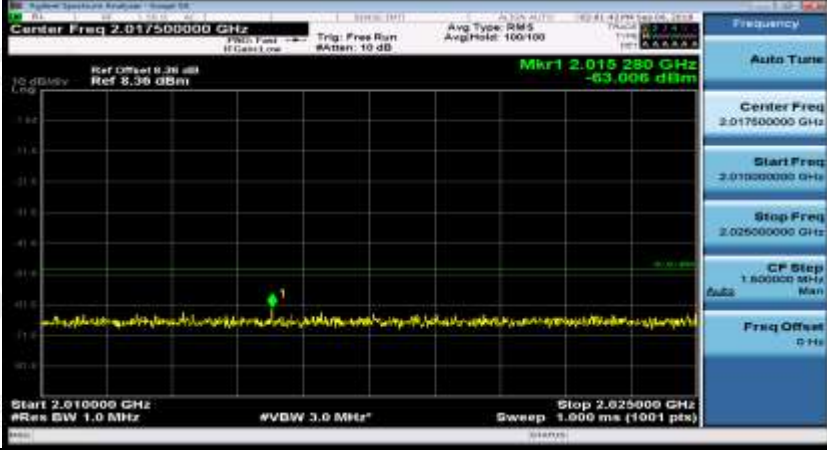

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General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

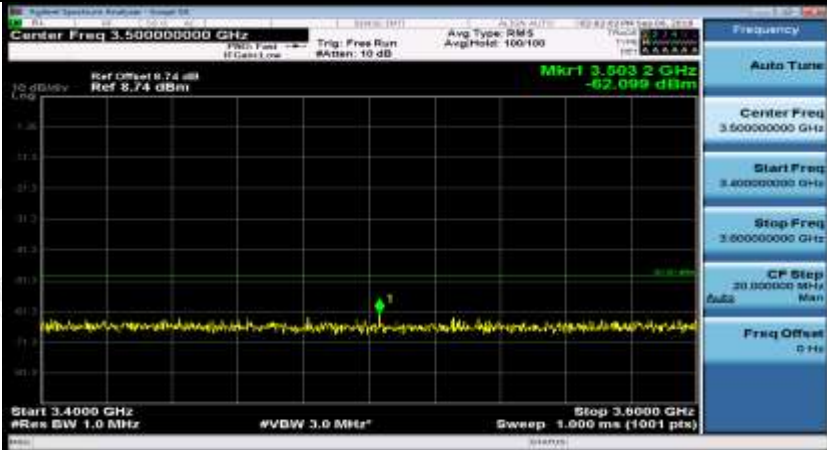
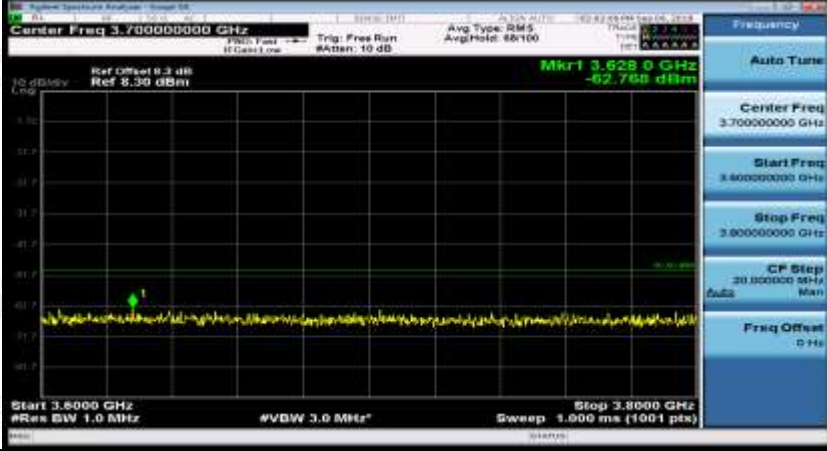
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Co-existence	
Co-existence	
Co-existence	

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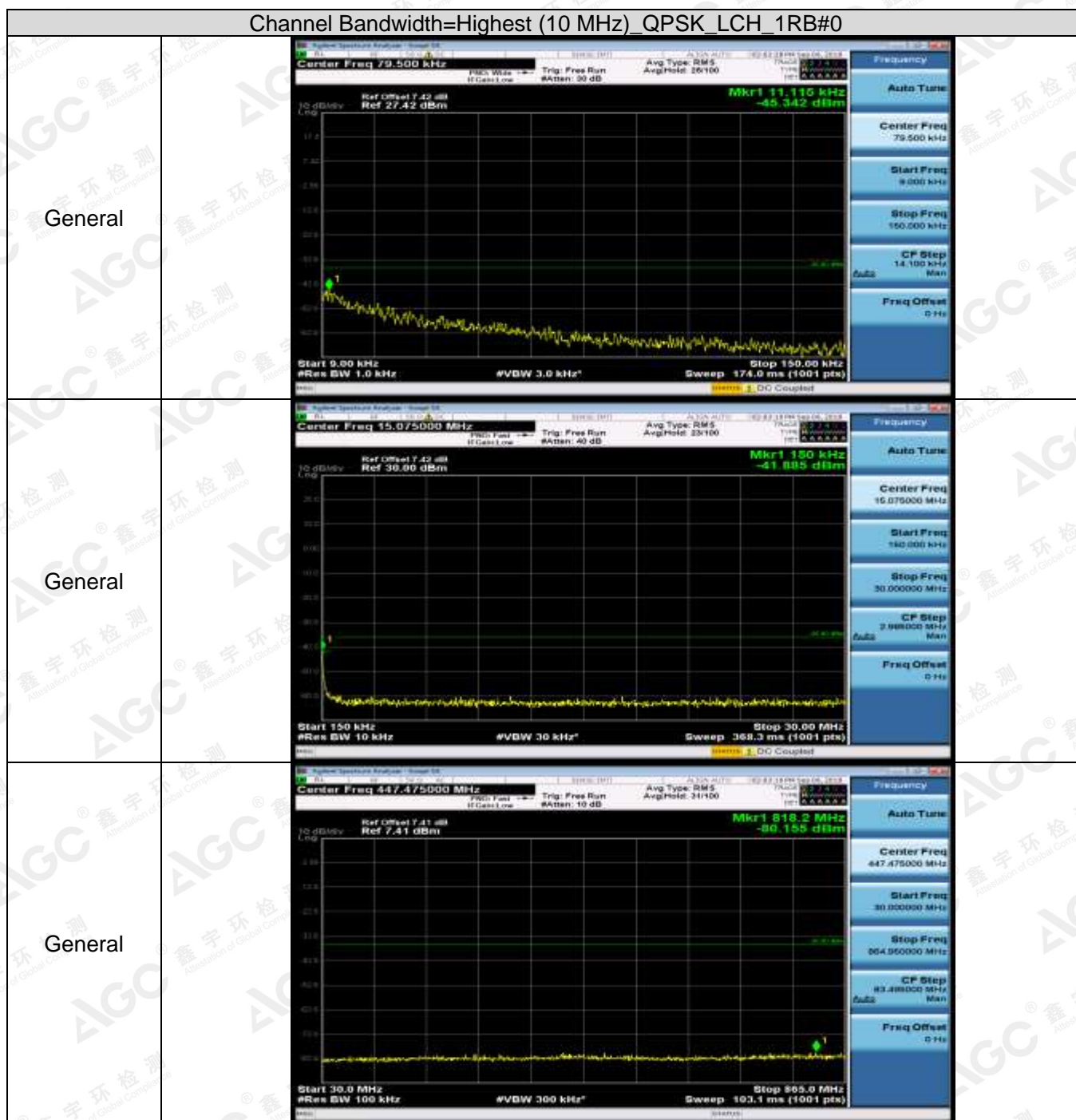
Co-existence			
Co-existence			
Co-existence			

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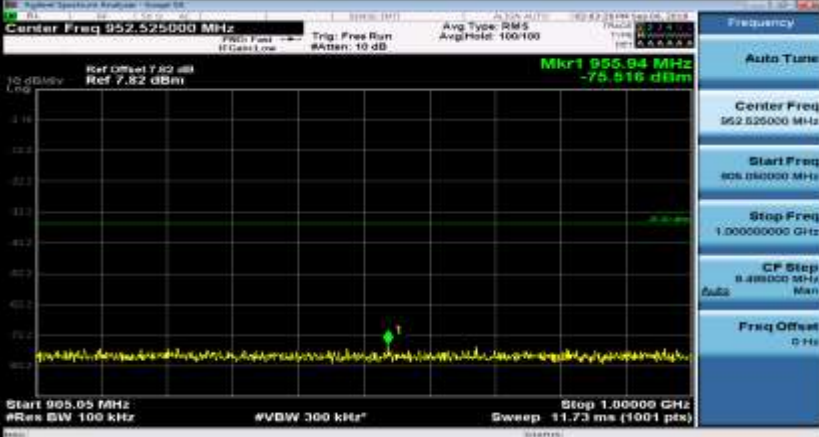


Co-existence	
Co-existence	
Additional	NA

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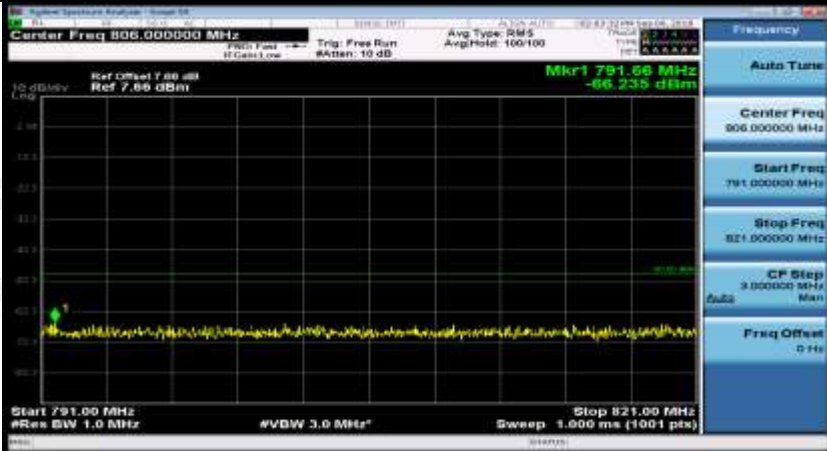
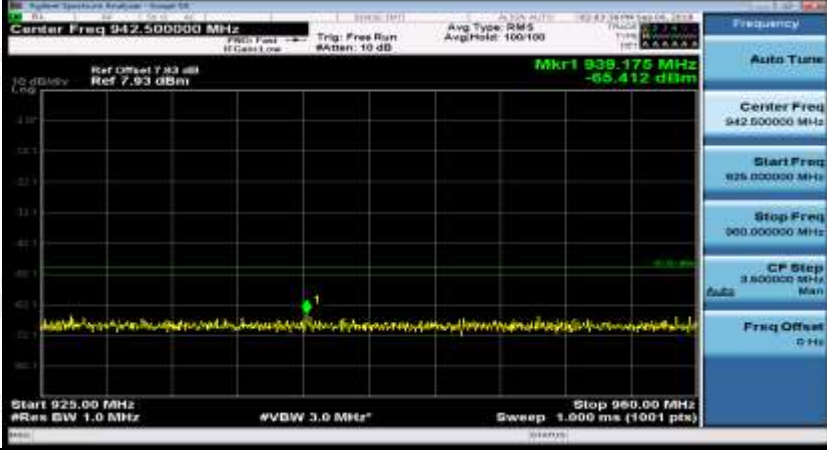
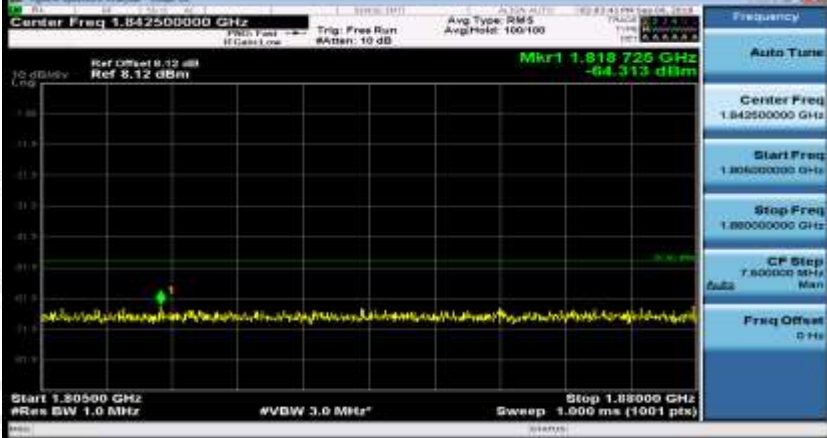
Channel Bandwidth= (10 MHz)



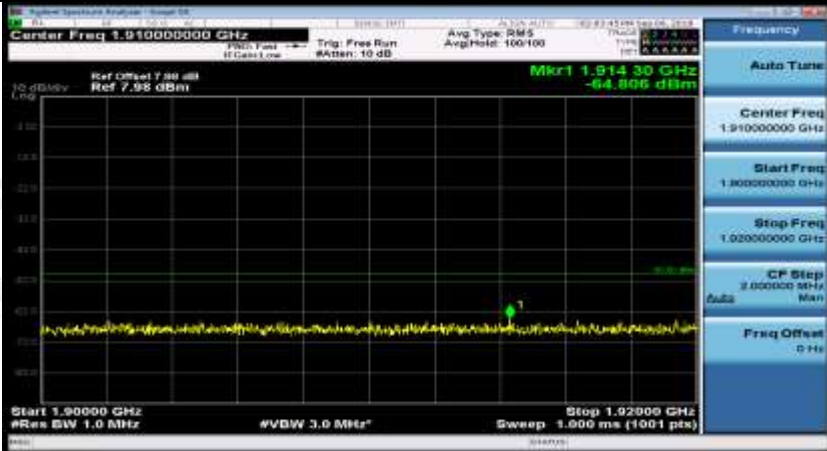
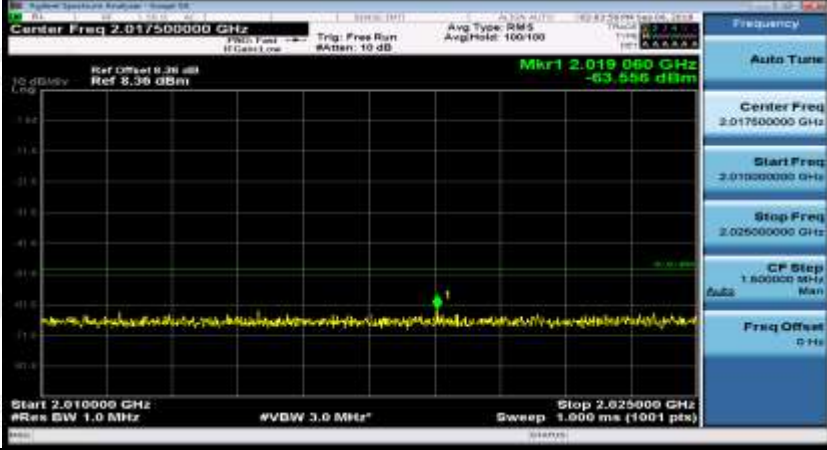
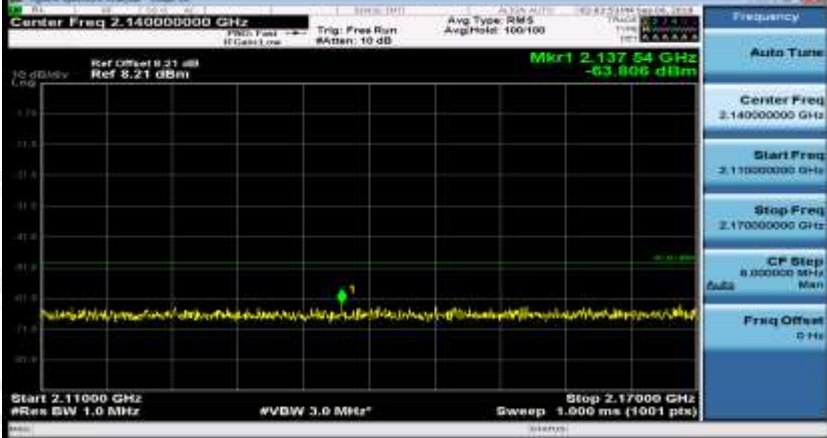
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General			
General			
General			

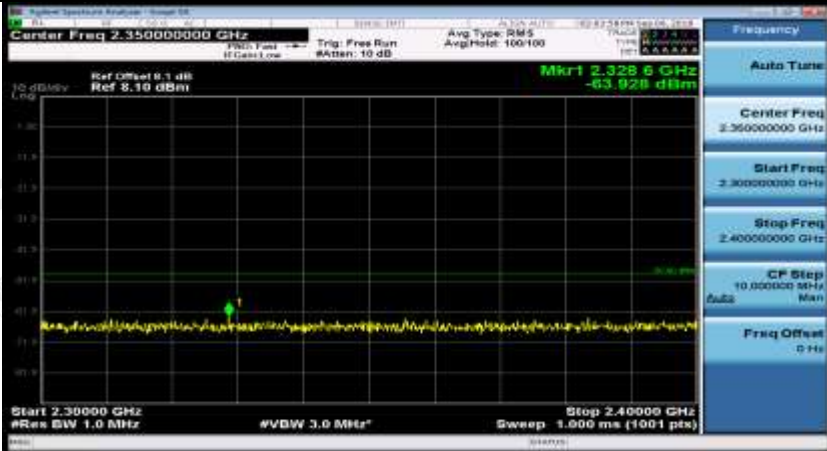
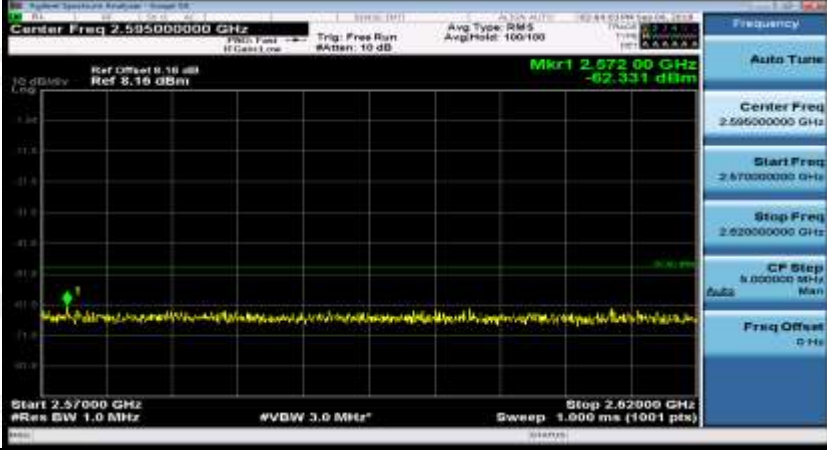

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Co-existence	
Co-existence	
Co-existence	

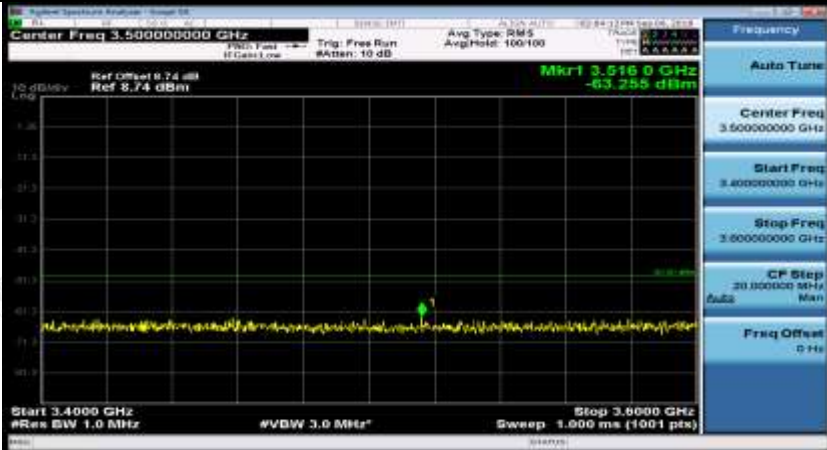
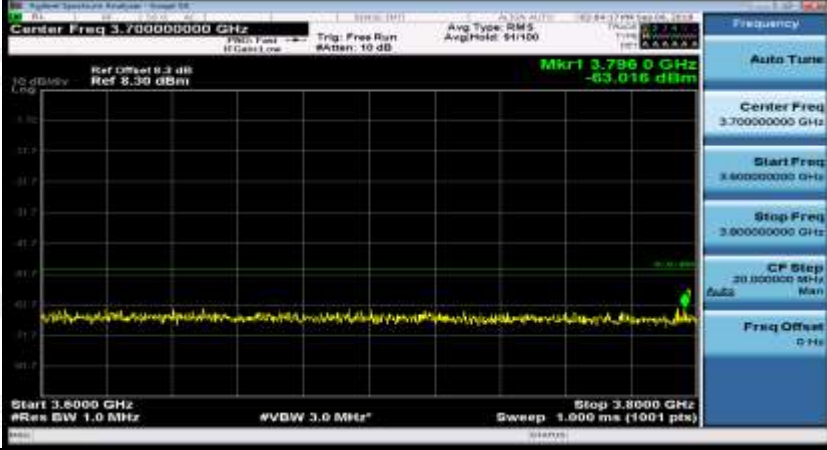
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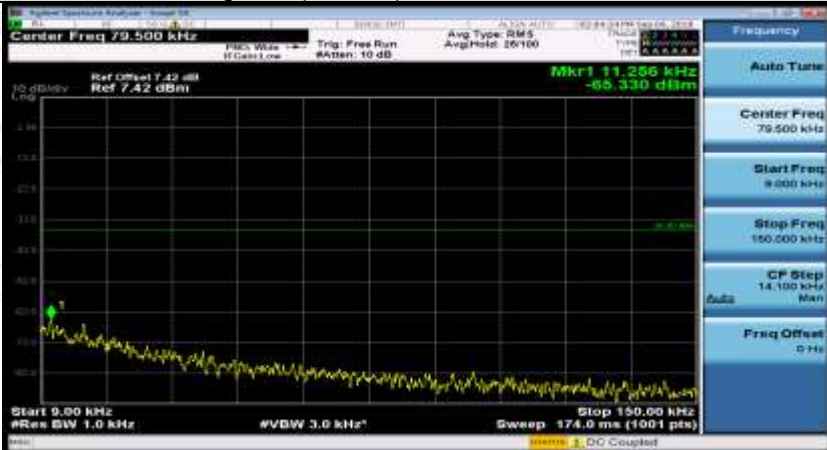
Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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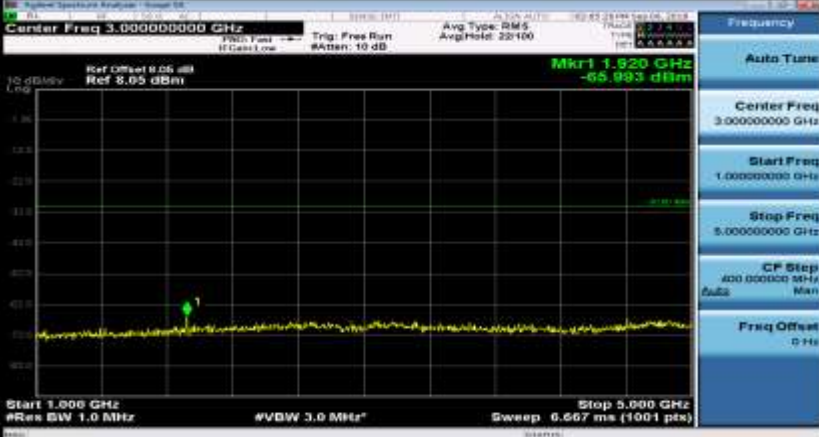

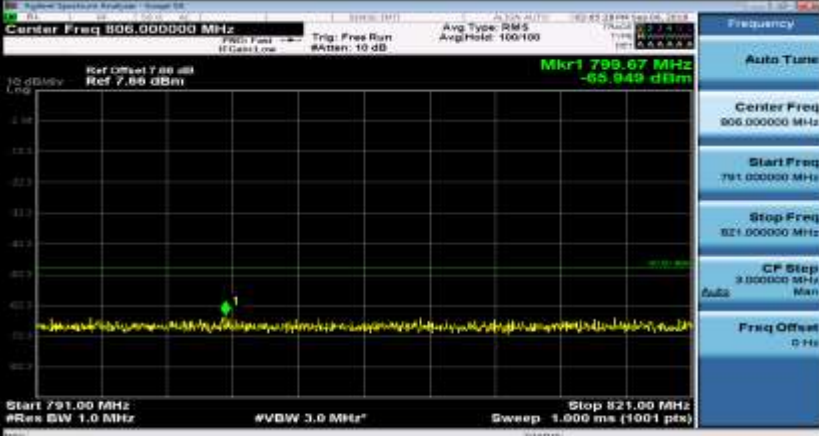
Co-existence		
Co-existence		
Additional	NA	

Channel Bandwidth=Highest (10MHz)_QPSK_LCH_1RB#max		
General		

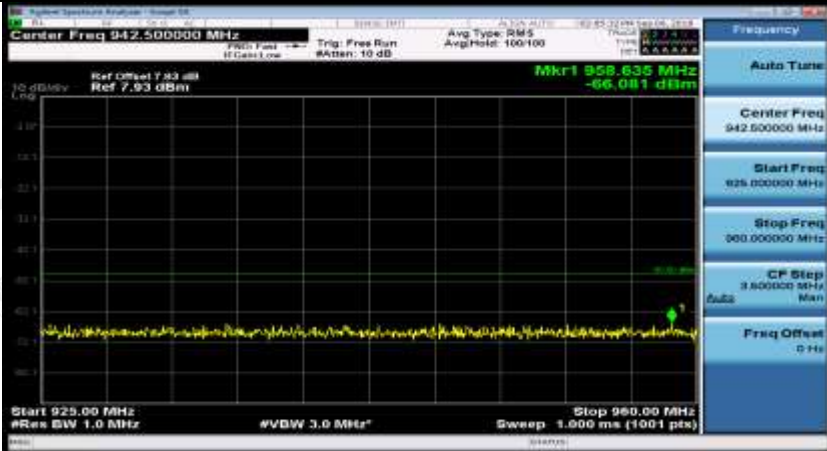
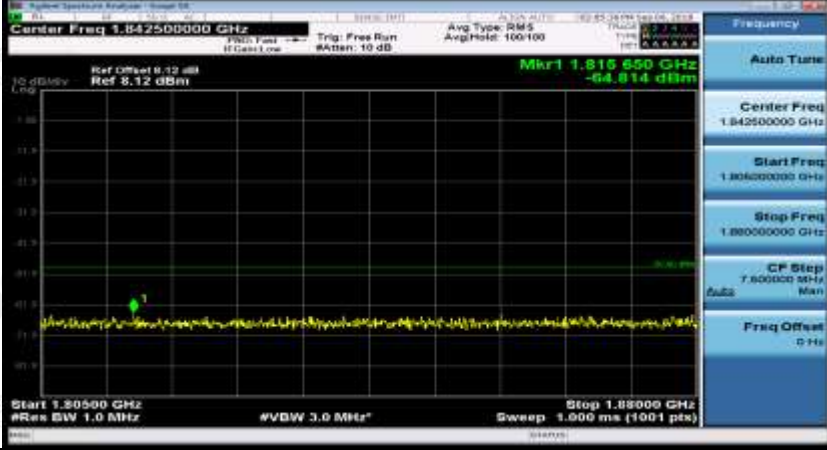
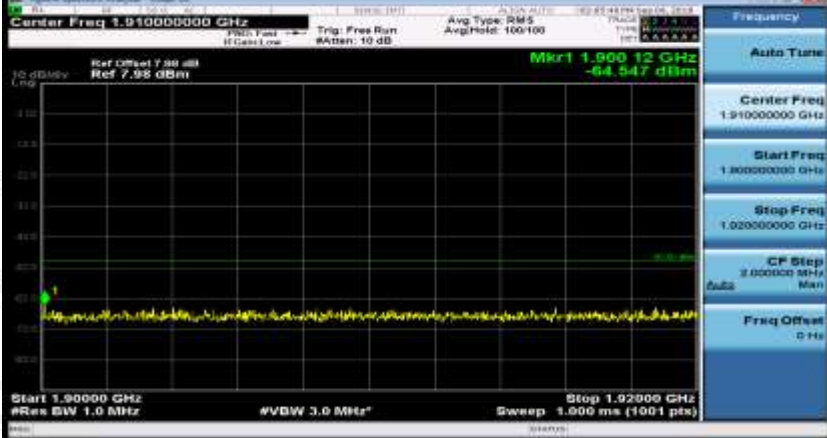
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General			
General			
General			

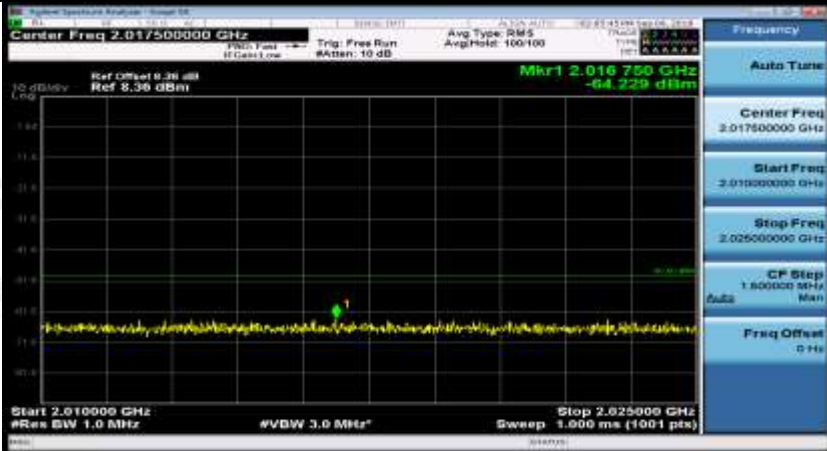
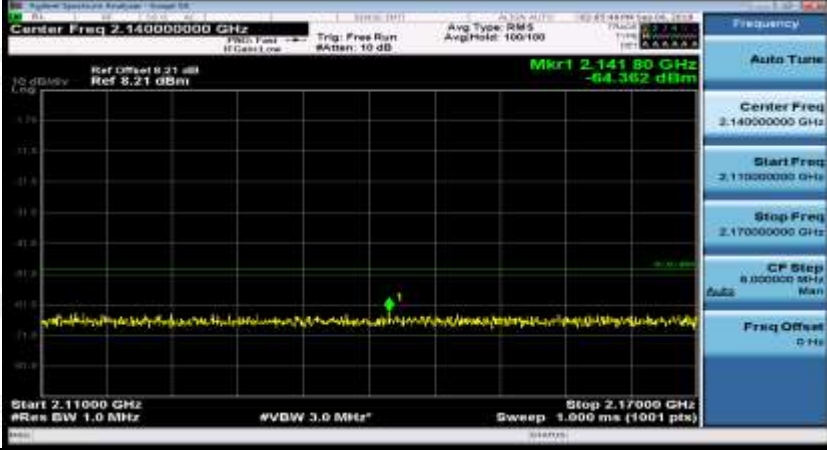
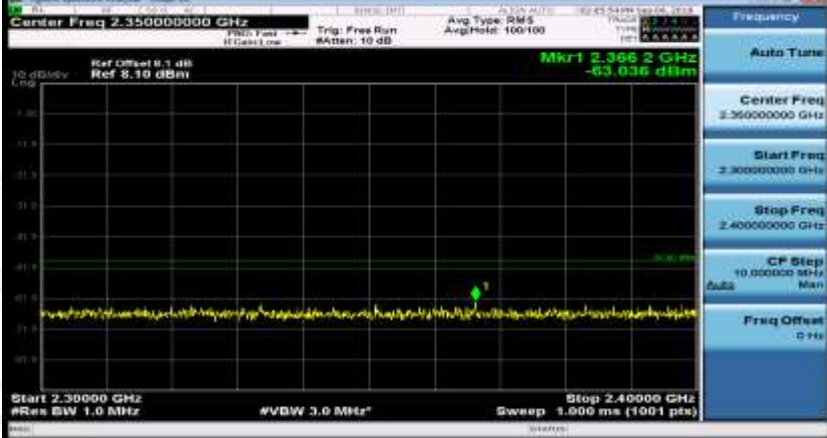
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General			
General			
Co-existence			

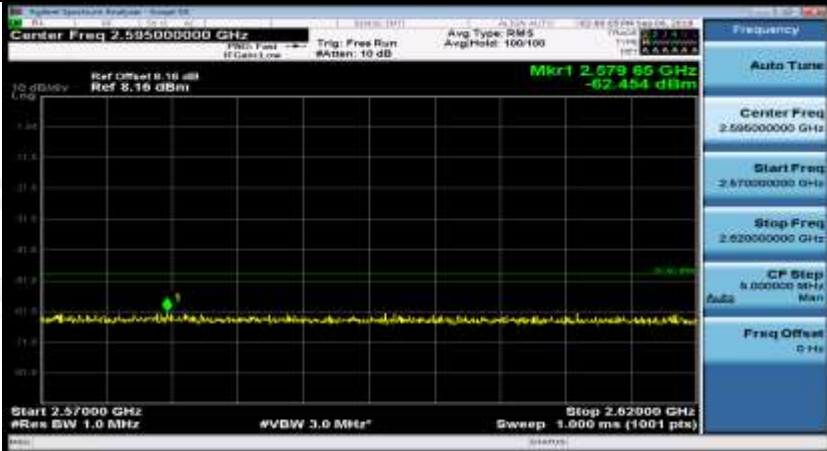
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Co-existence	
Co-existence	
Co-existence	

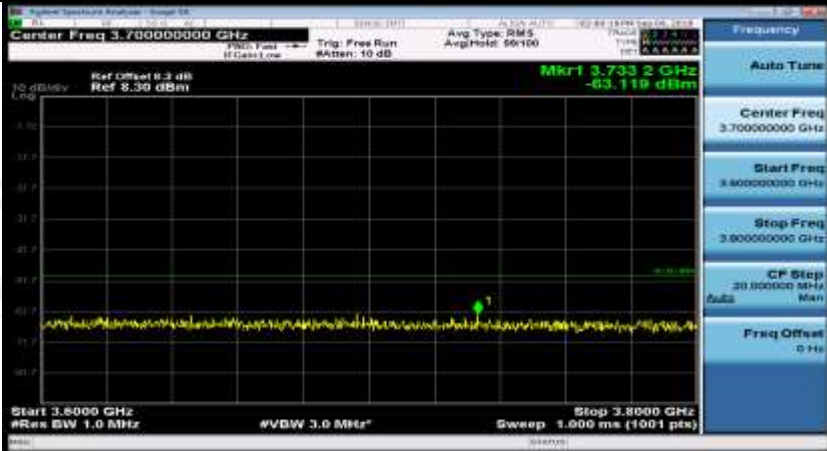
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Co-existence		
Co-existence		
Co-existence		

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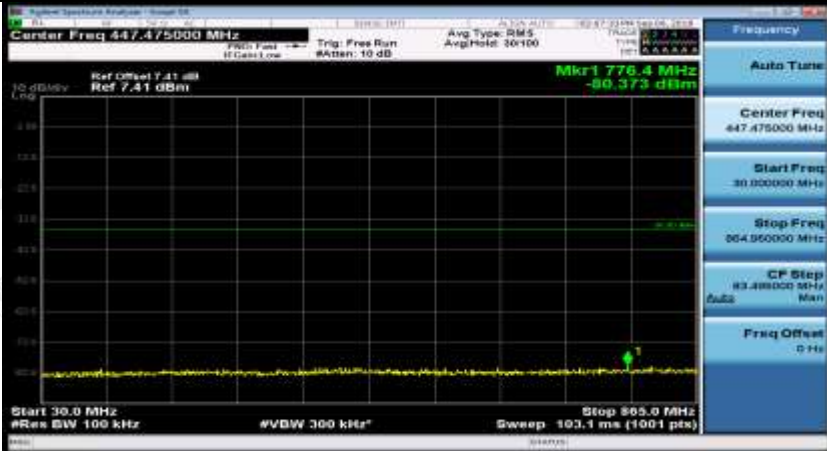
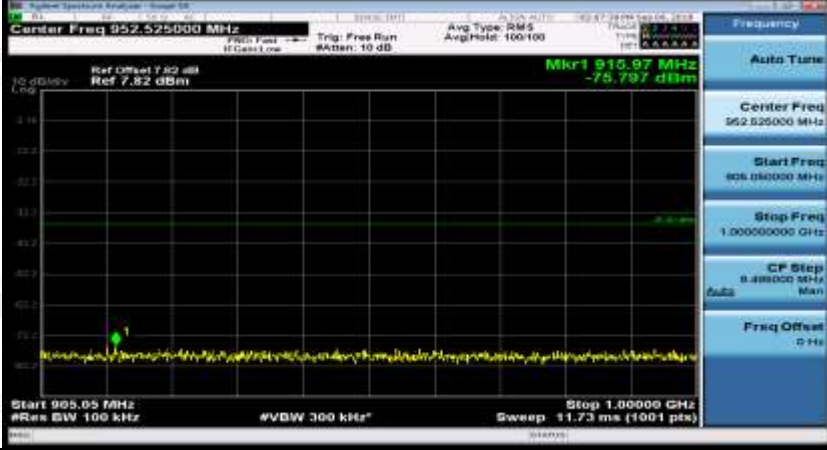
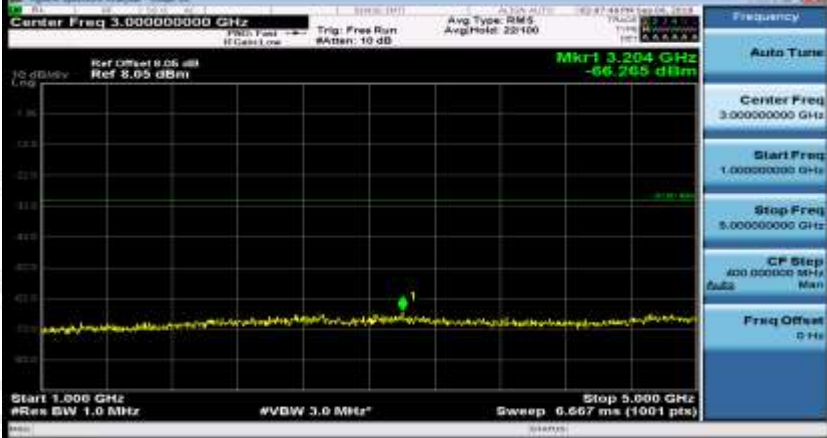
Co-existence	
Co-existence	
Co-existence	

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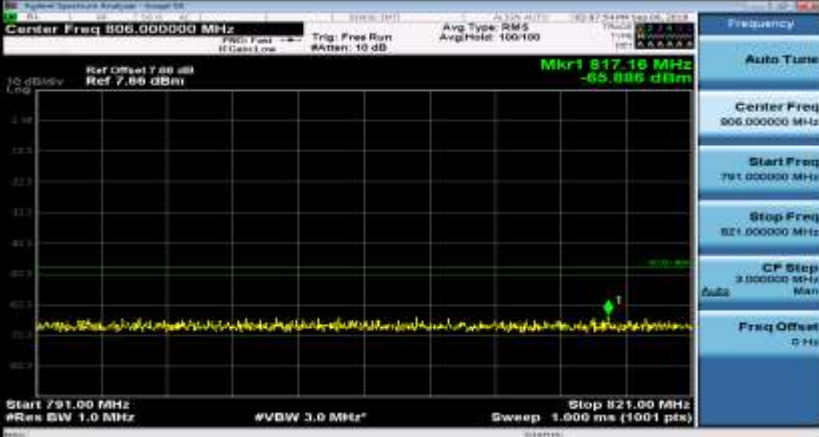
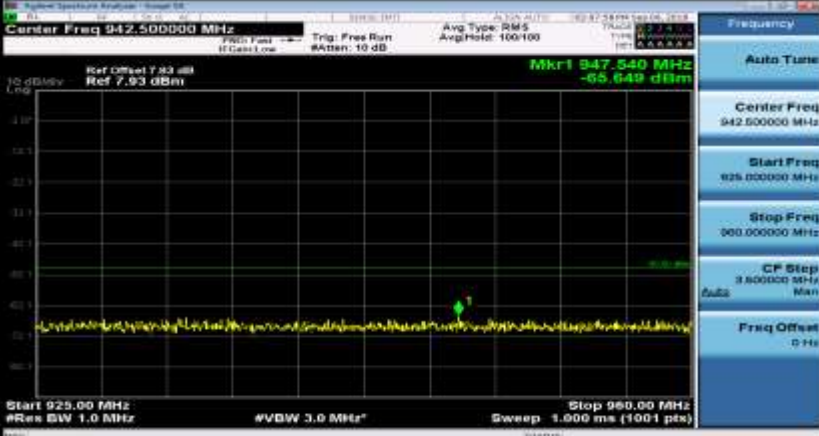
Co-existence	
Additional	NA

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

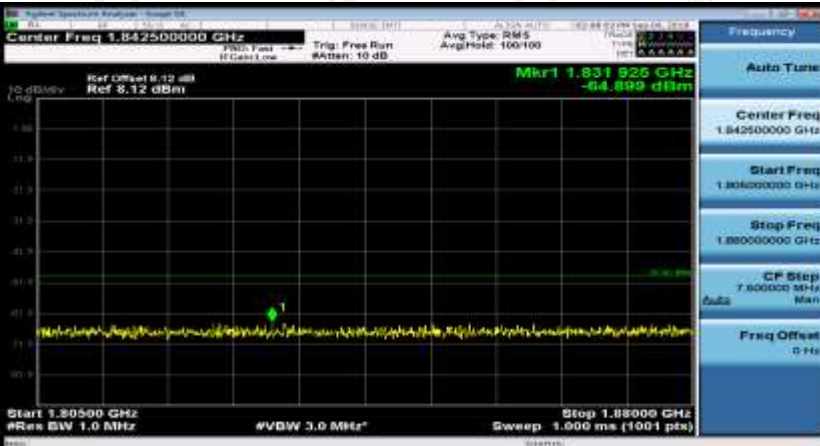
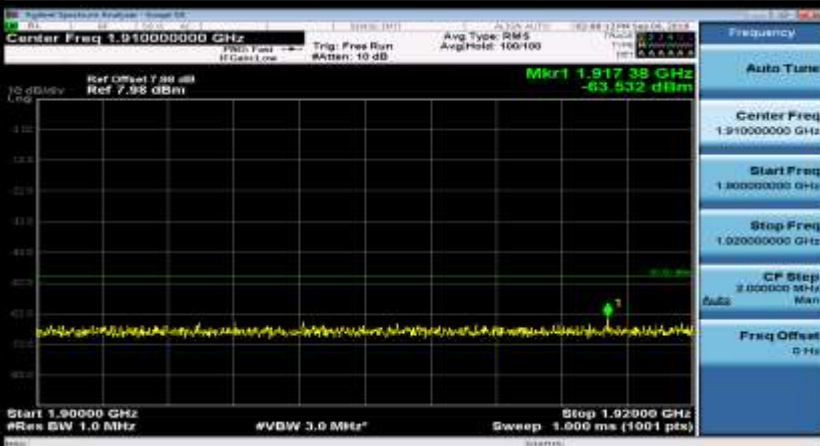

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General	
General	
General	

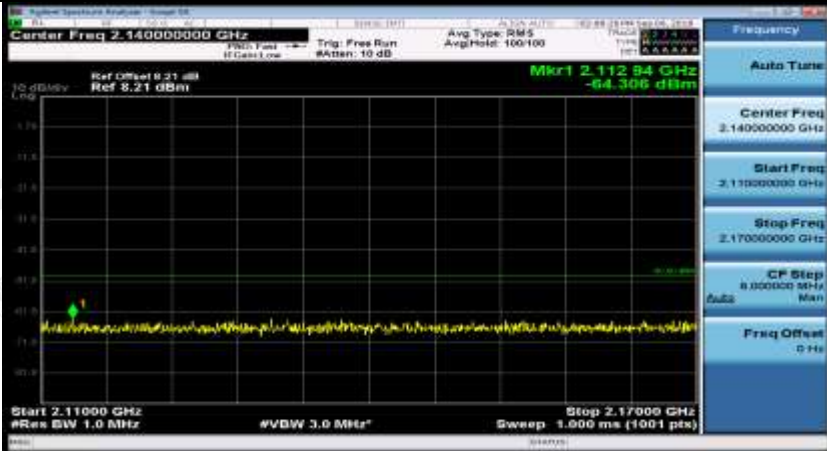
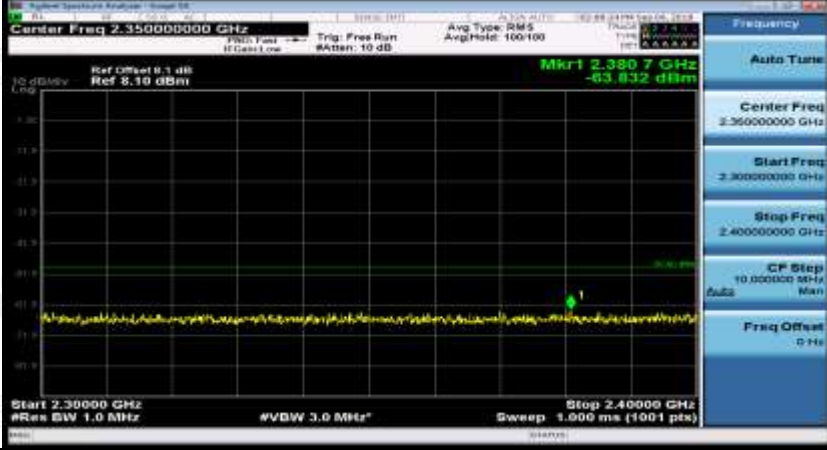

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General			
Co-existence			
Co-existence			

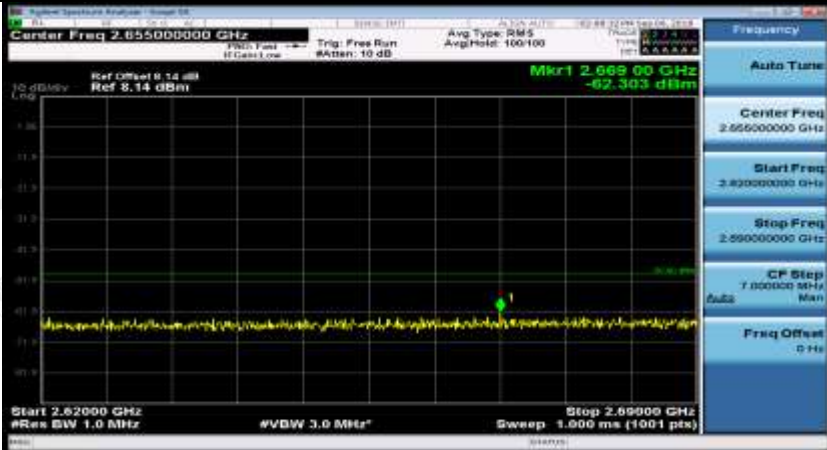
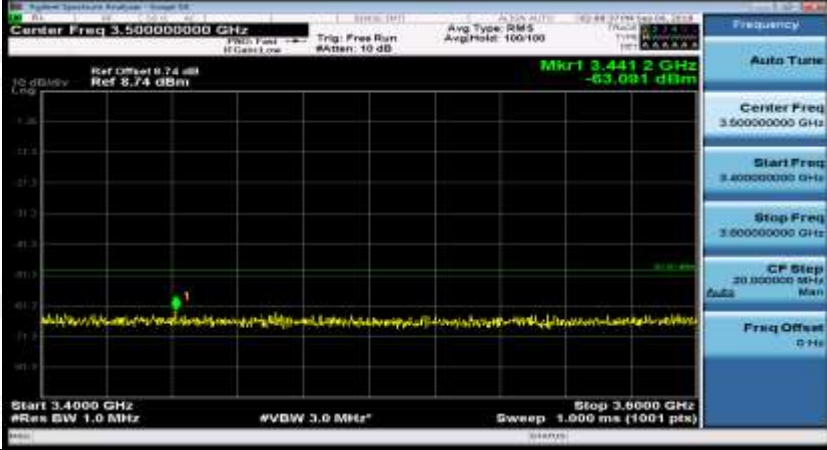

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Co-existence			
Co-existence			
Co-existence			

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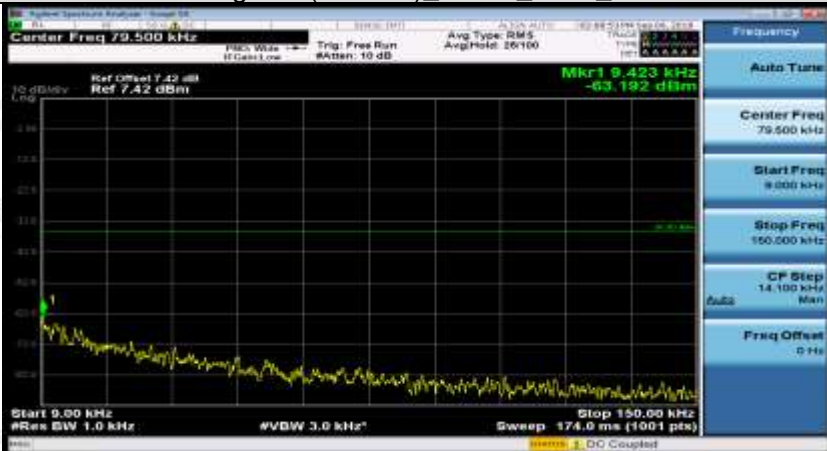

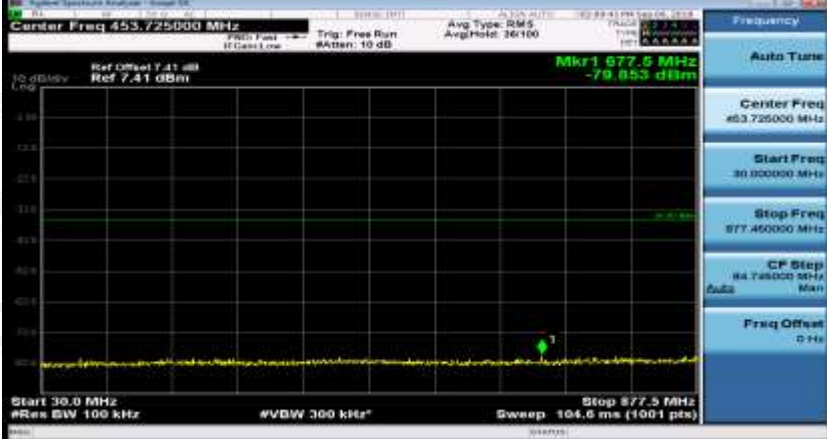
Co-existence	
Co-existence	
Co-existence	

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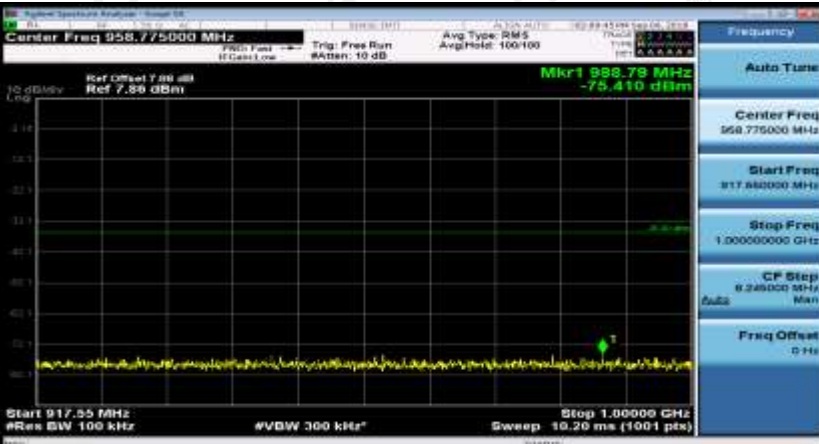
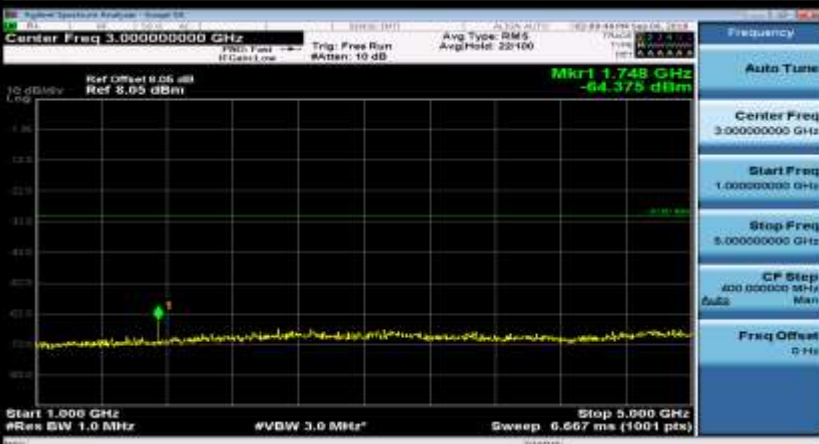
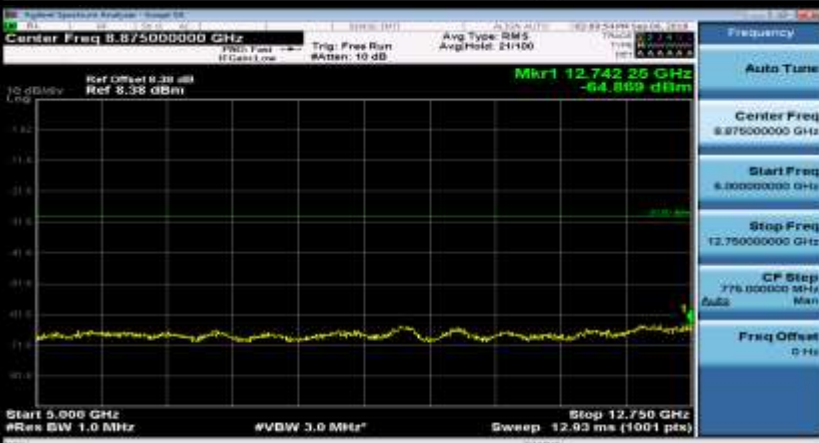
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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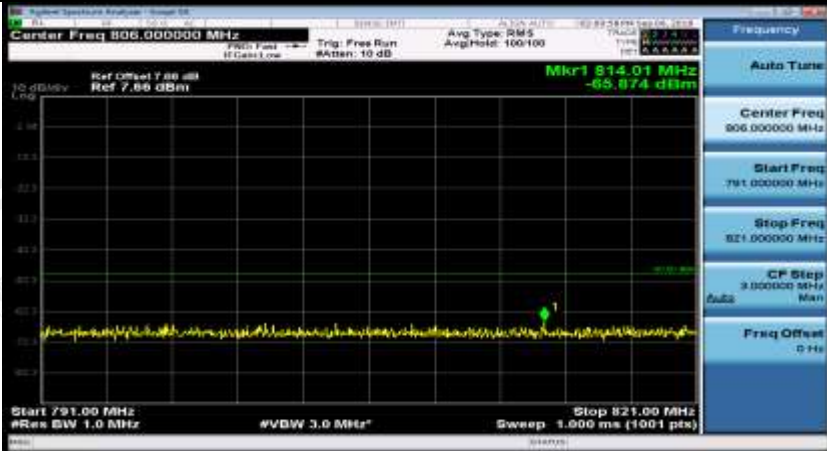
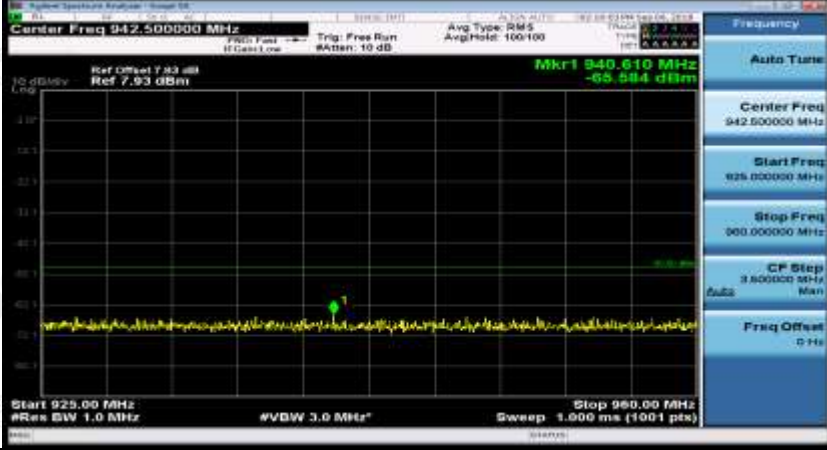
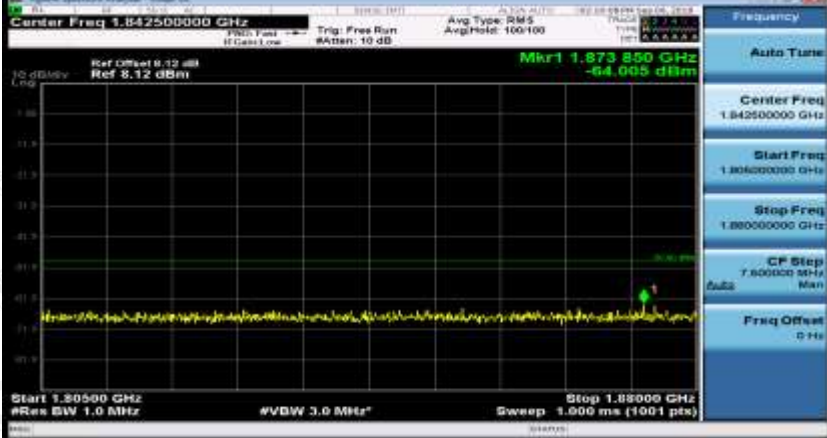
Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

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General			
General			
General			

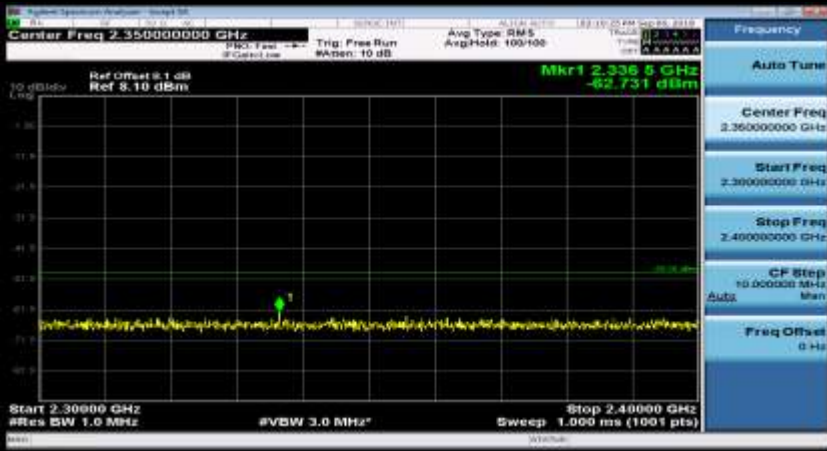
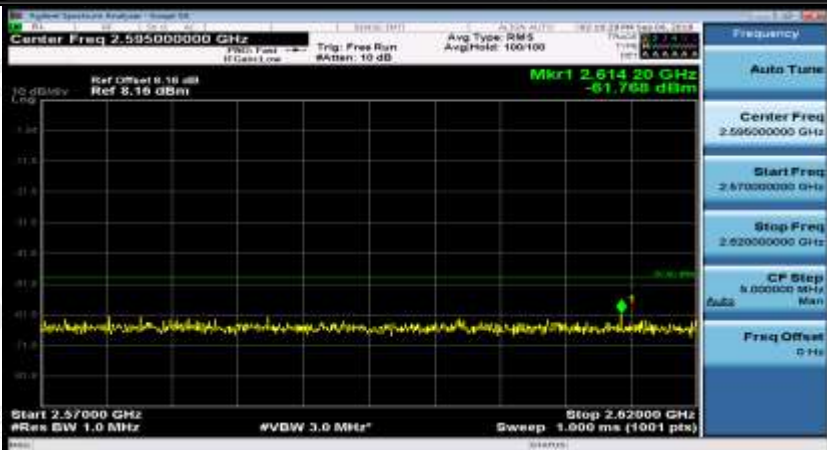
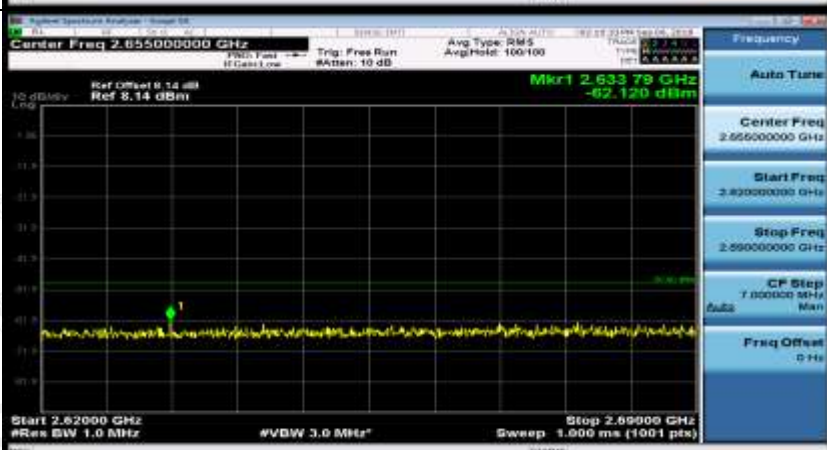
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Co-existence	
Co-existence	
Co-existence	

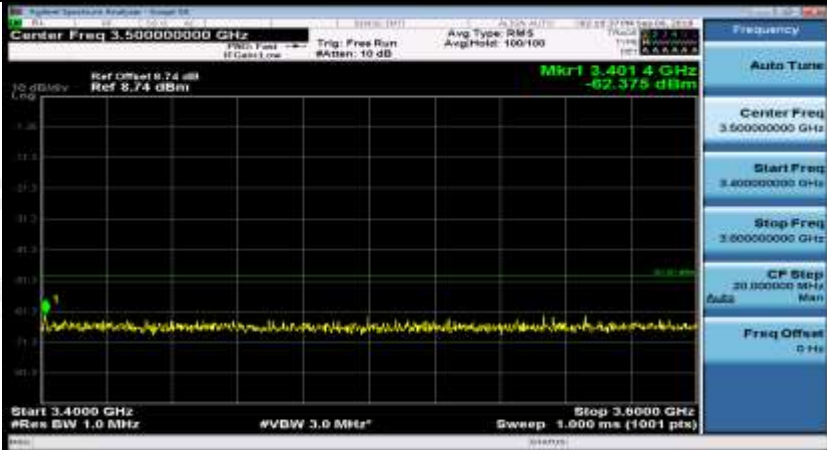
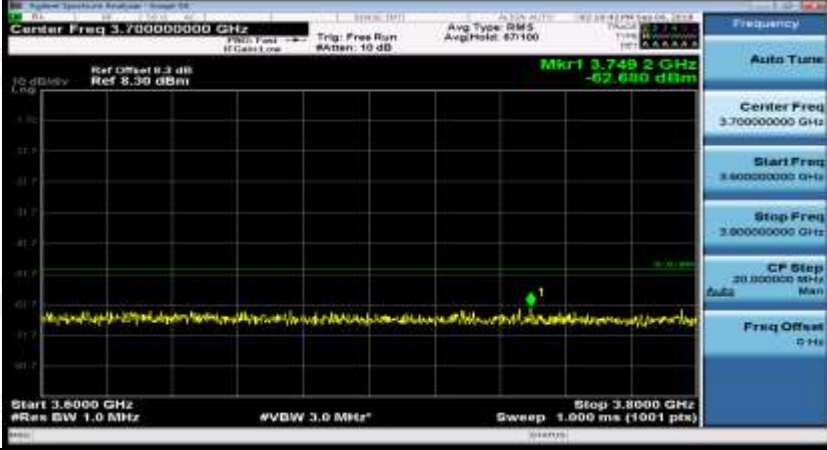
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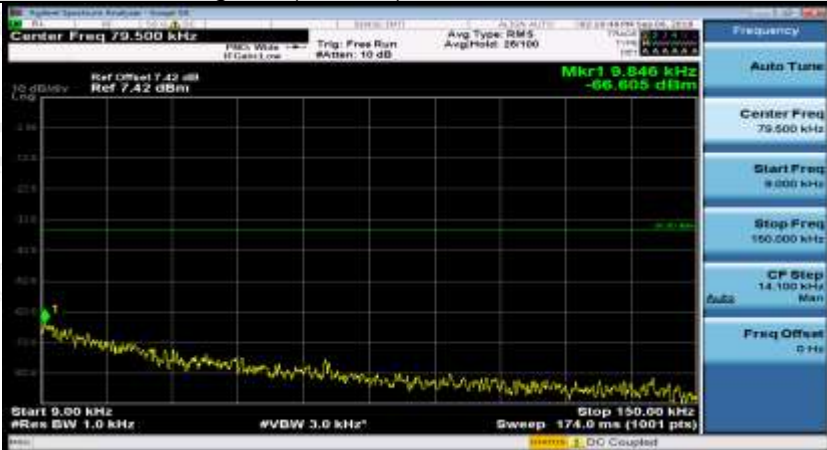
Co-existence	
Co-existence	
Co-existence	

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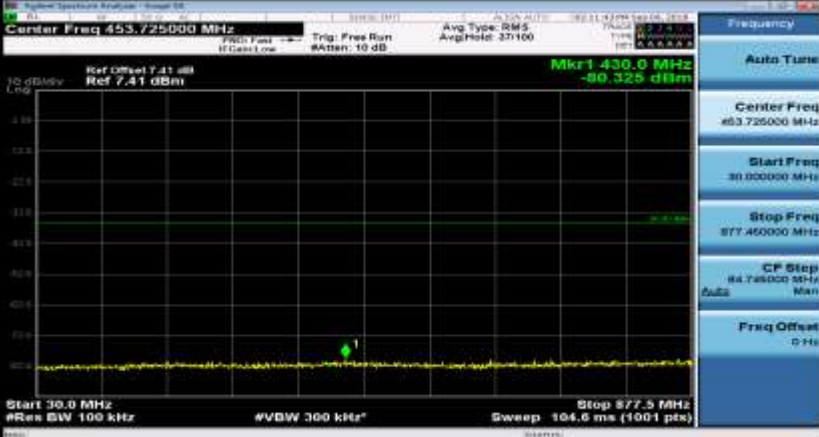

Co-existence	
Co-existence	
Co-existence	

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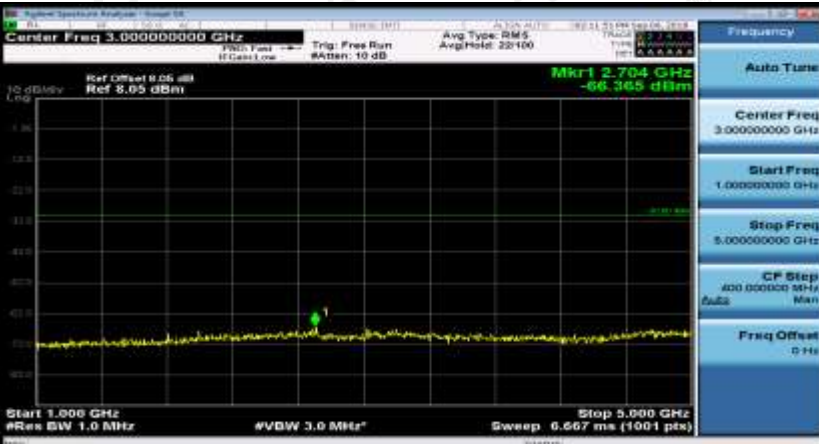
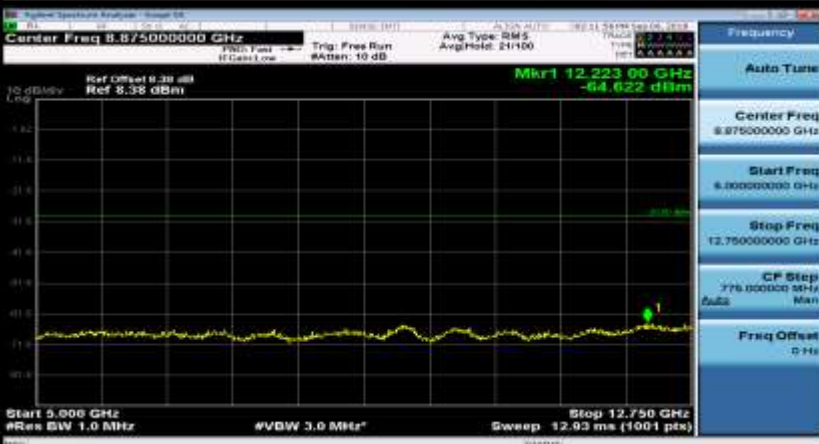

Co-existence	
Co-existence	
Additional	NA

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

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General			
General			
General			

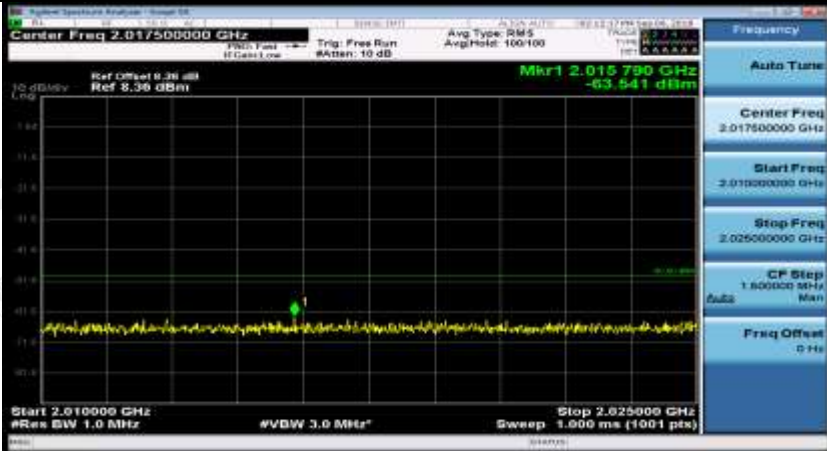
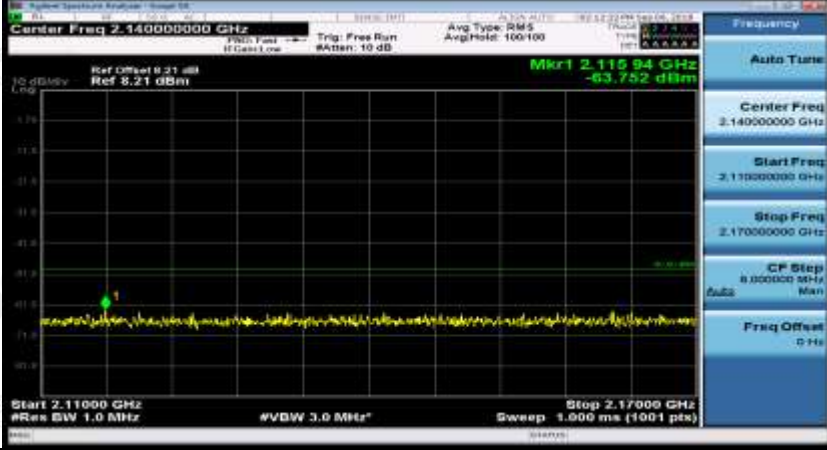

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General			
General			
Co-existence			

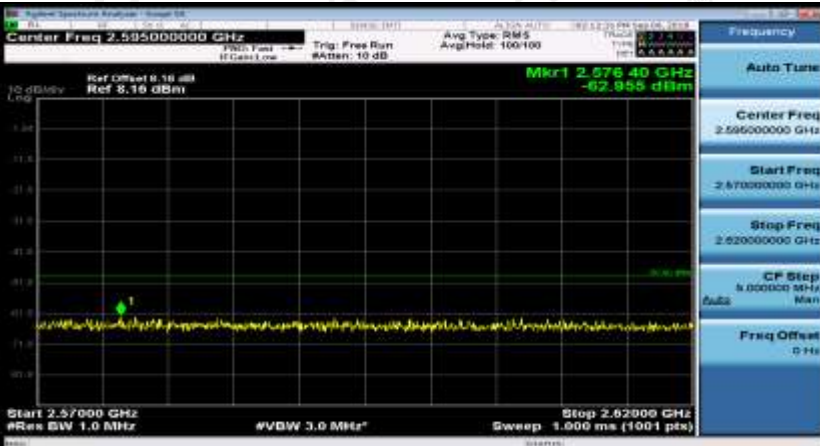
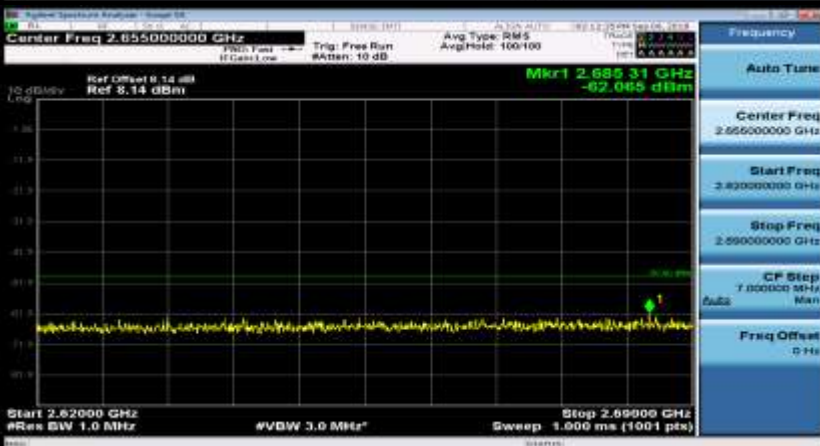

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Co-existence	
Co-existence	
Co-existence	

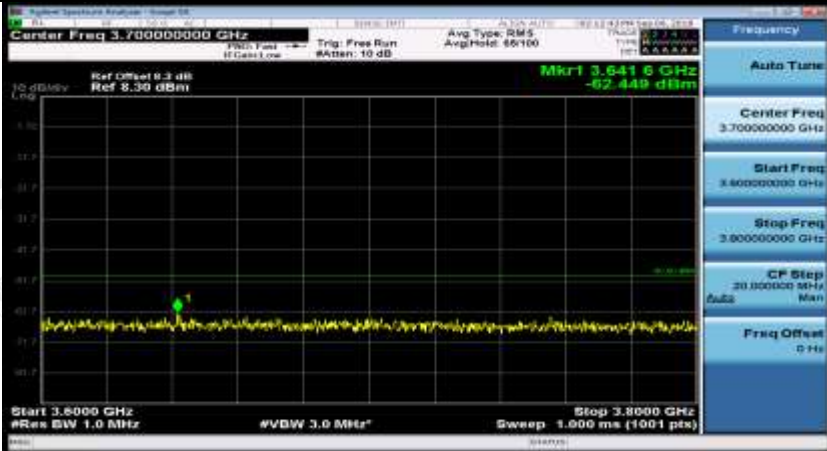
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of 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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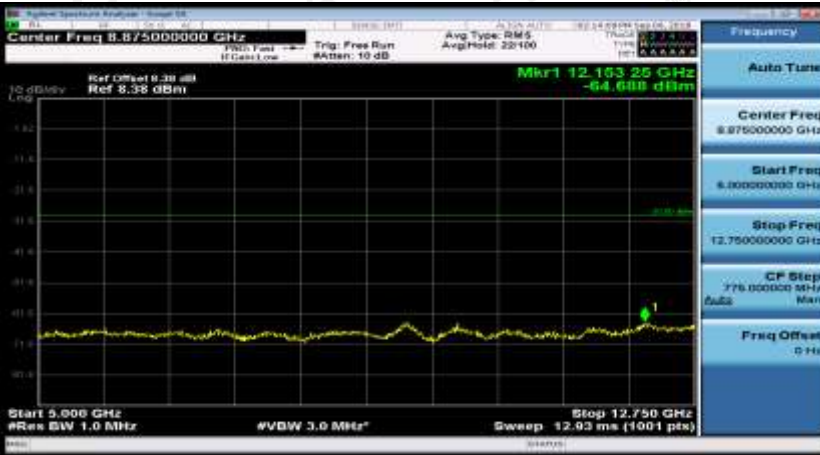
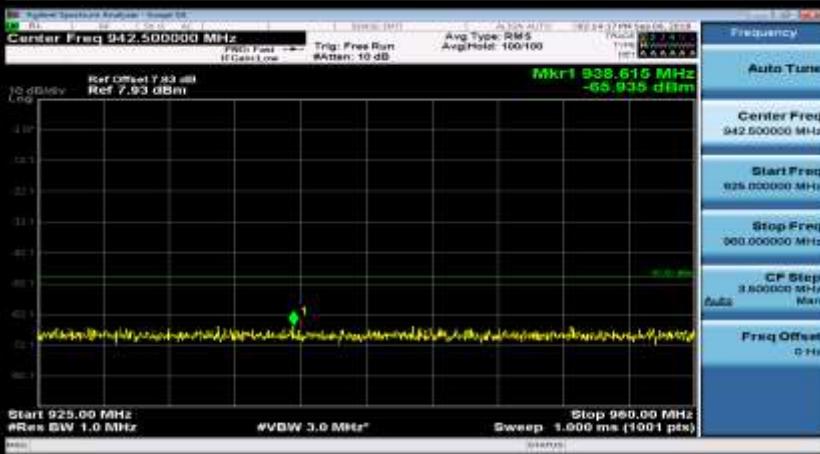
Co-existence	
Additional	NA

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

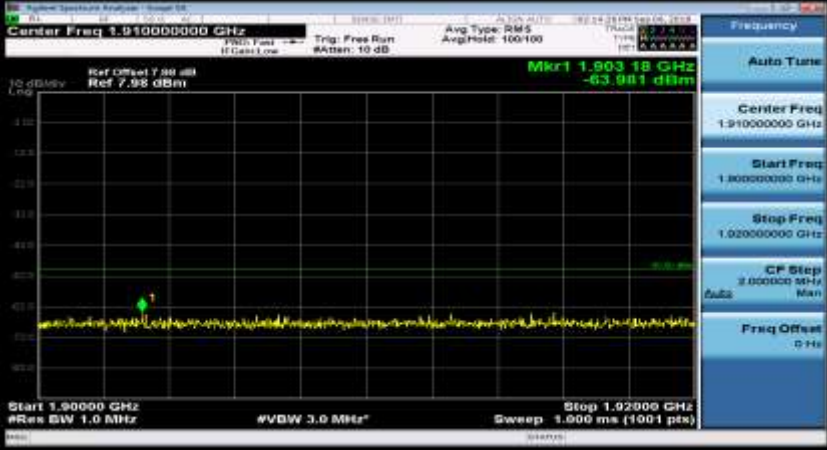
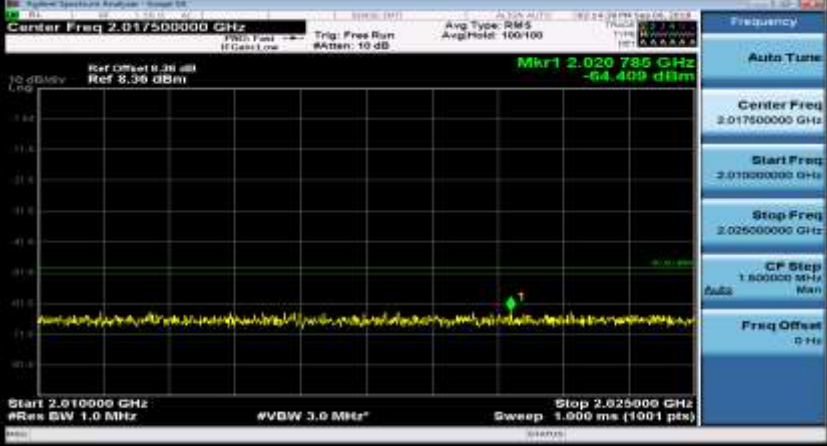
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General		
General		
General		

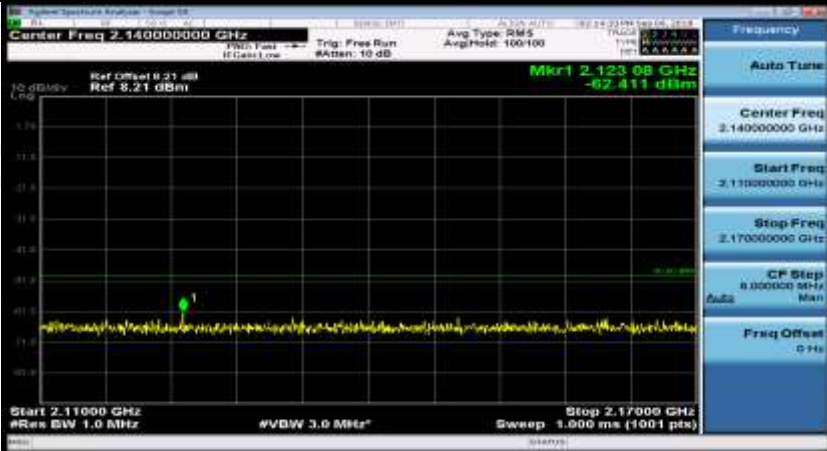
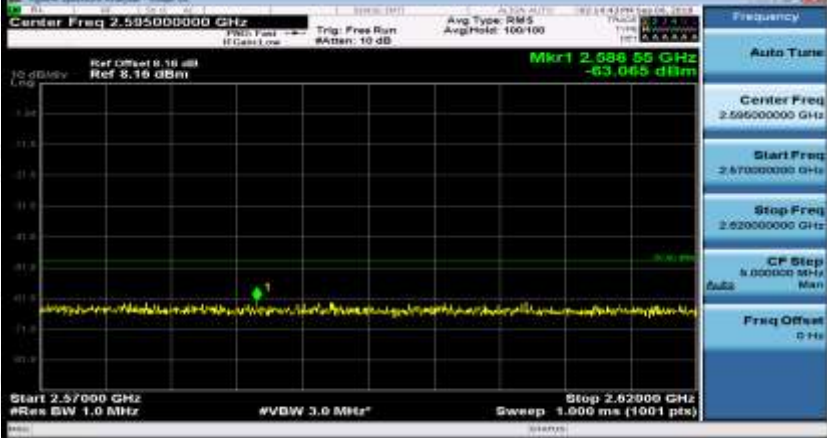
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General		
Co-existence		
Co-existence		

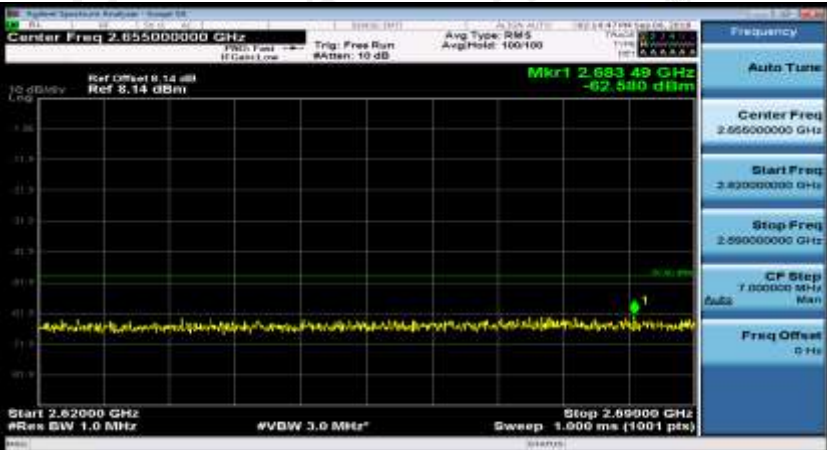
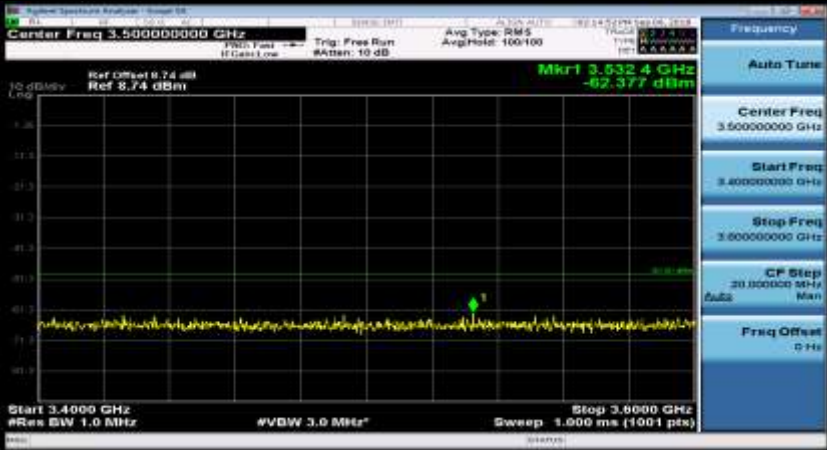
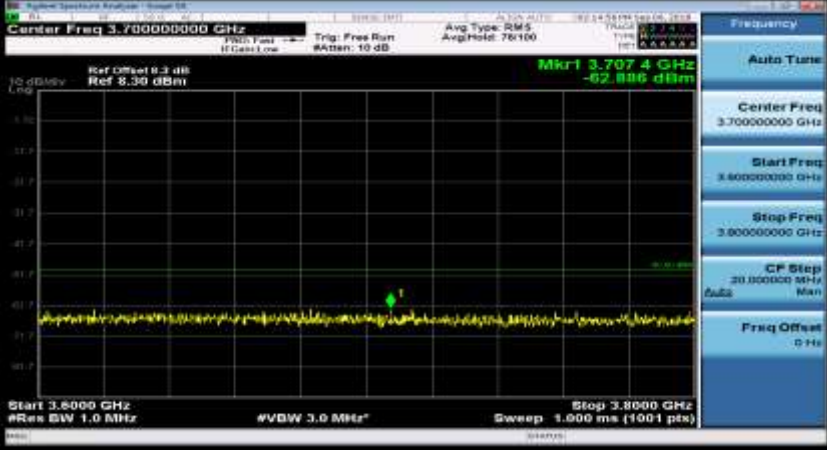
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Co-existence	
Co-existence	
Co-existence	

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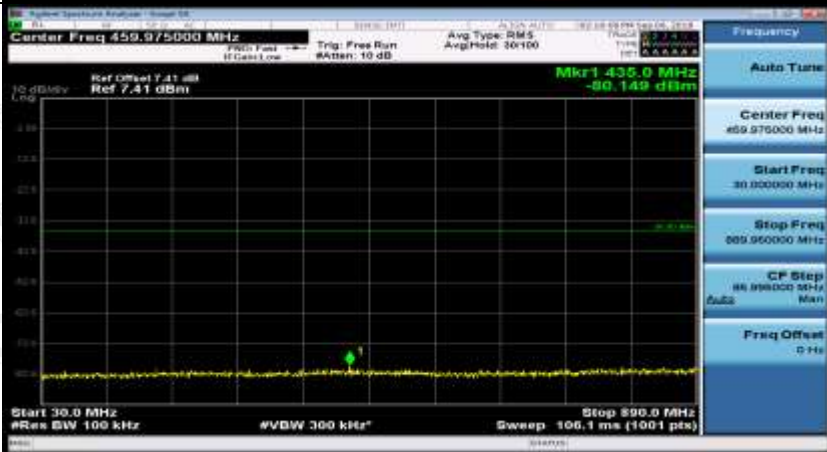
Co-existence	
Co-existence	
Co-existence	

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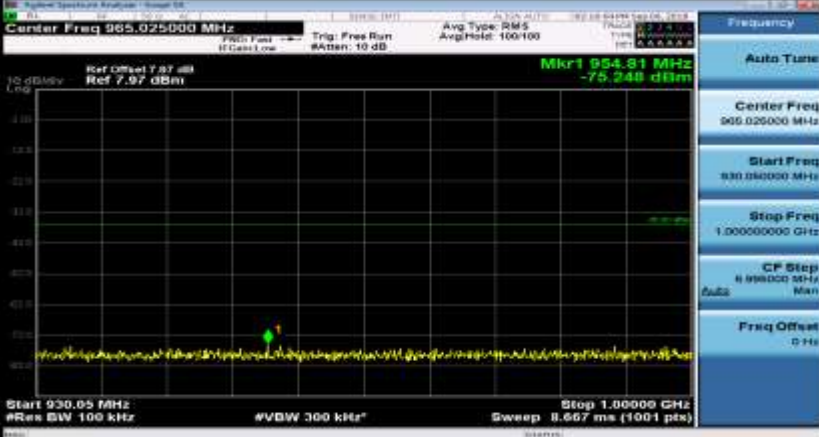


Co-existence	
Co-existence	
Co-existence	
Additional	NA

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Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_1RB#0

General	
General	
General	

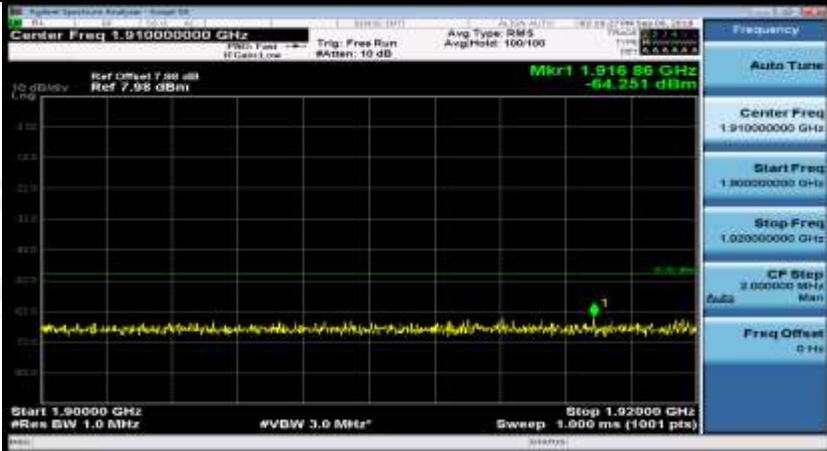
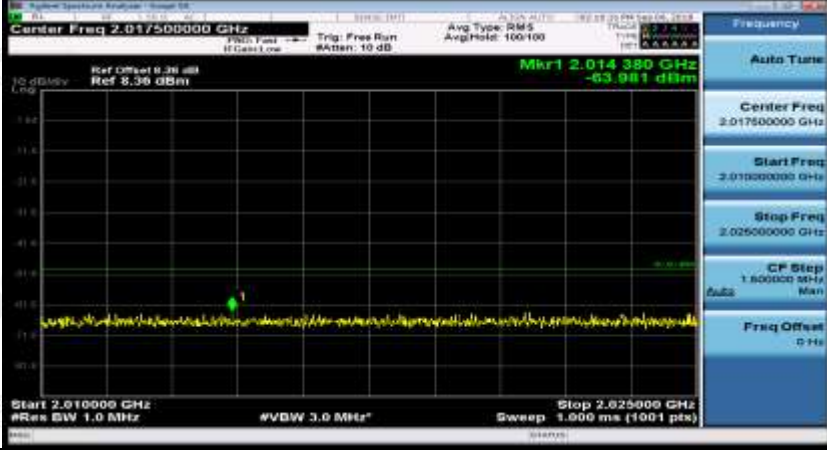
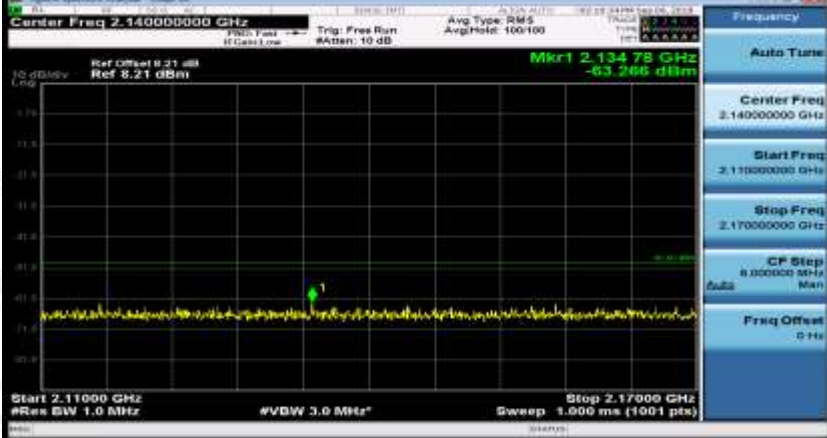
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

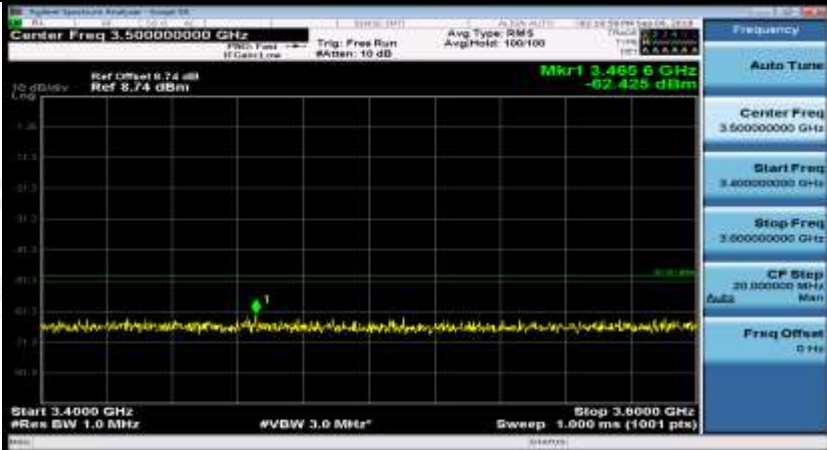
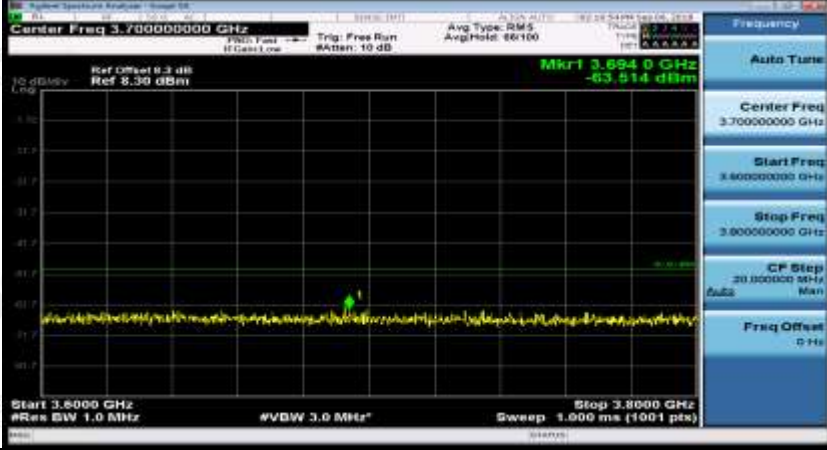
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

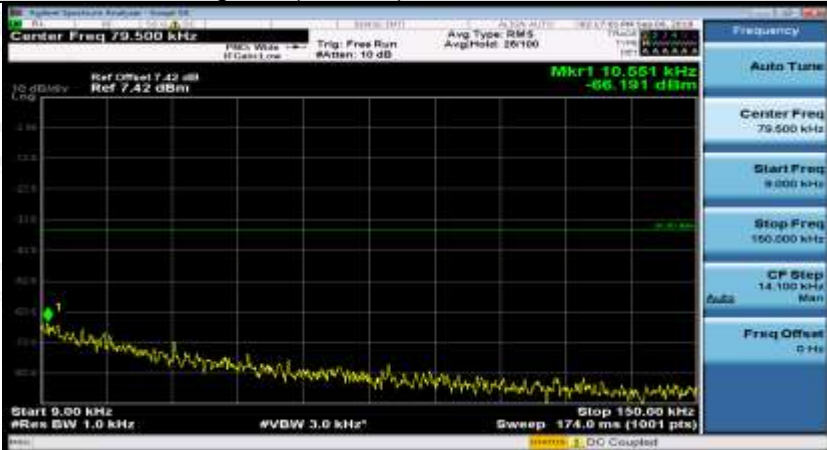
Co-existence	
Co-existence	
Co-existence	

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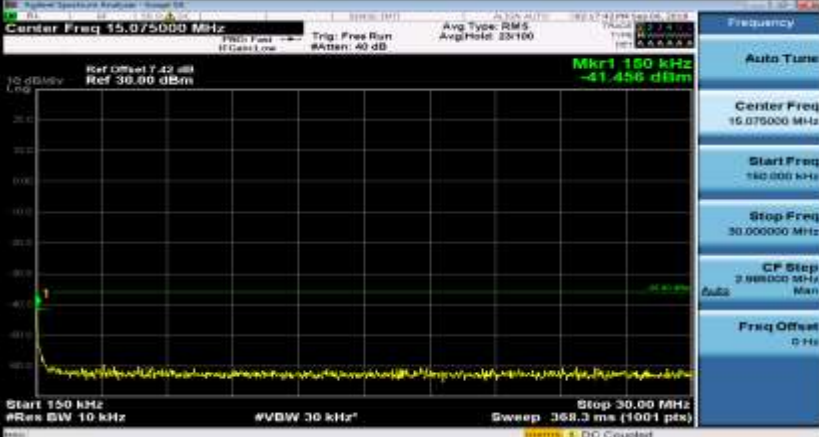
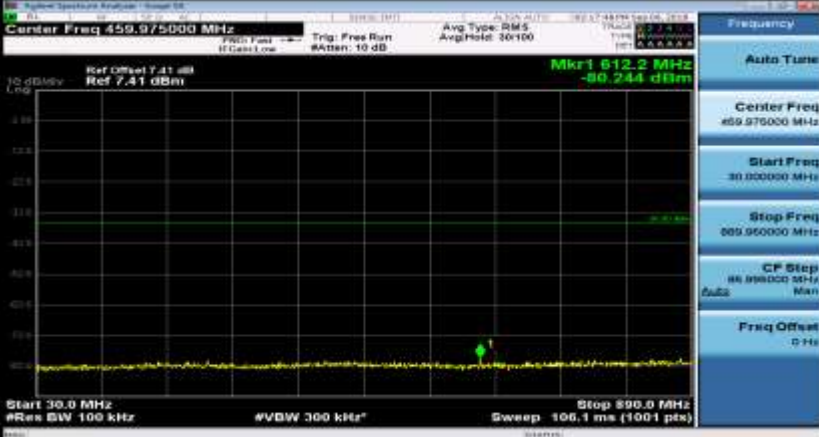
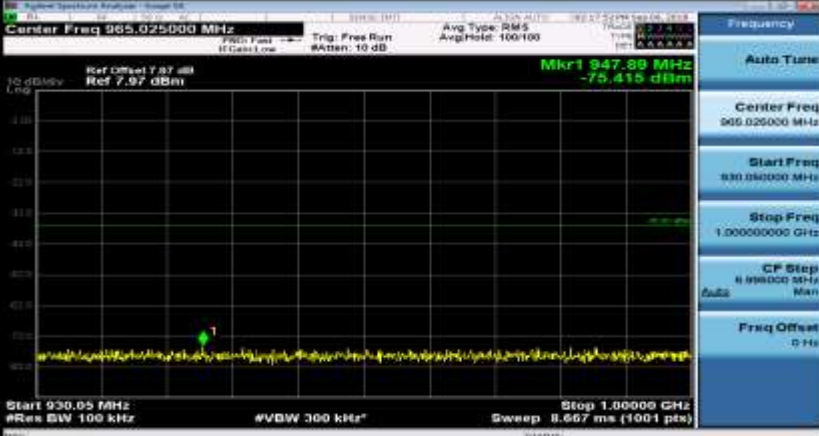
Co-existence	
Co-existence	
Co-existence	

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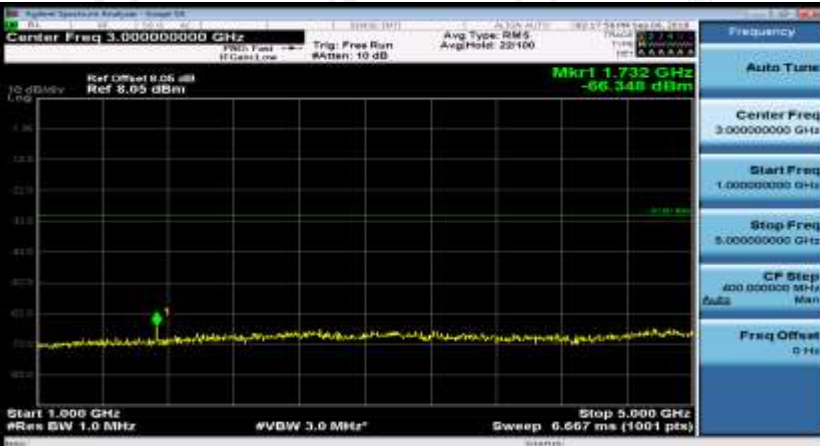
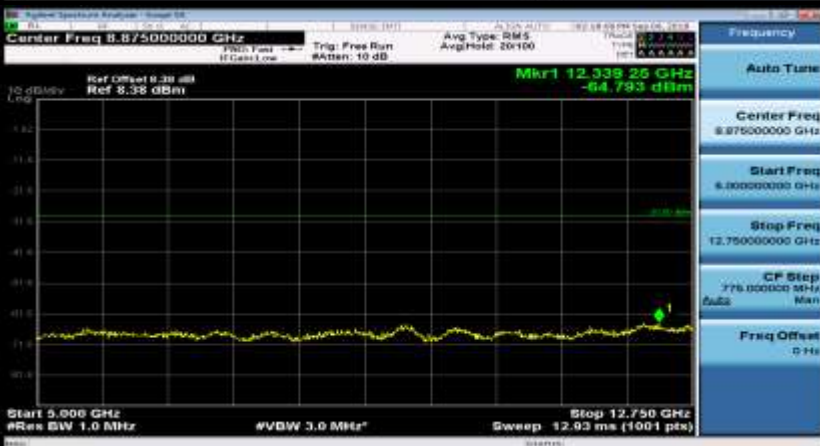

Co-existence		
Co-existence		
Additional	NA	

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

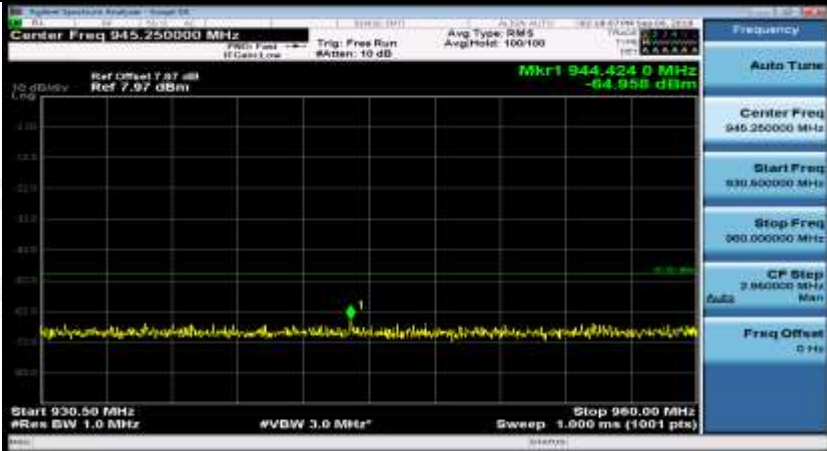
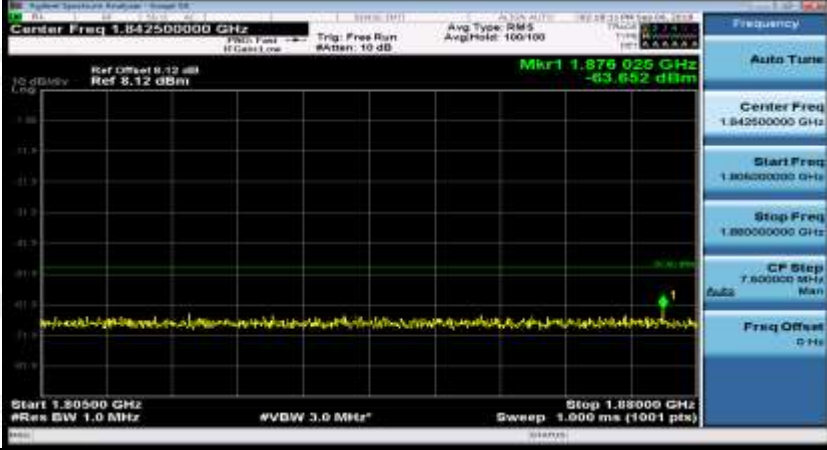
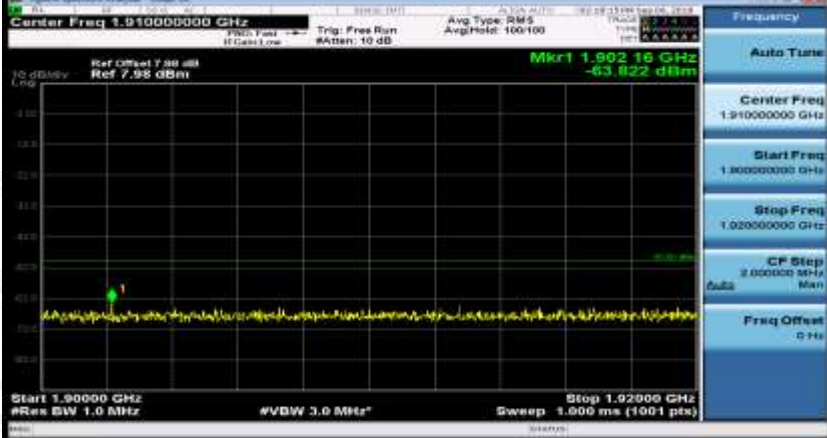
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General			
General			
General			

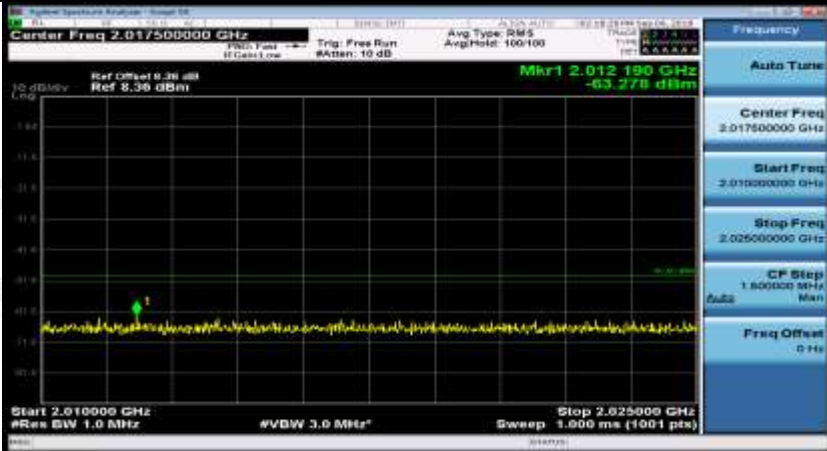
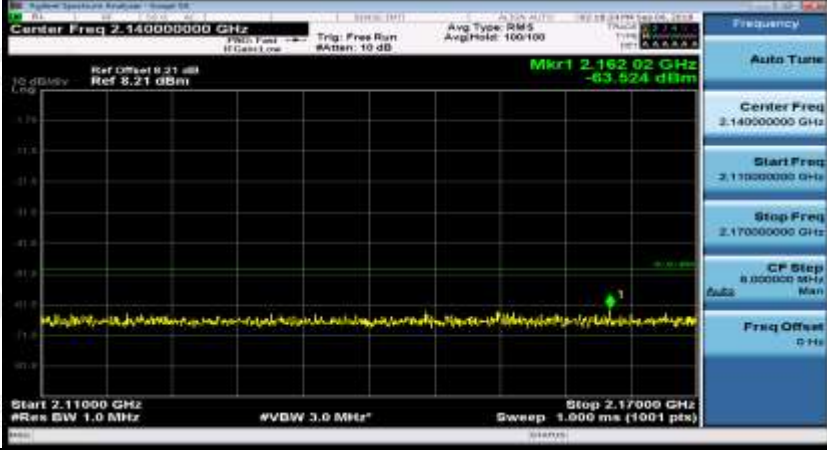
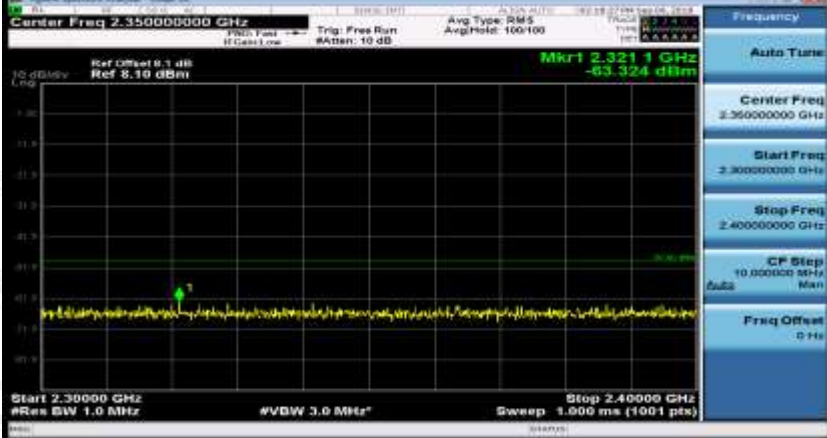
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General			
General			
Co-existence			

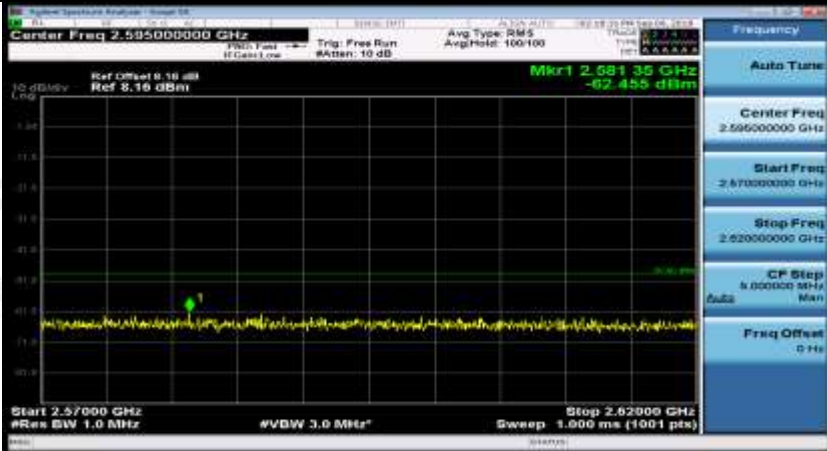
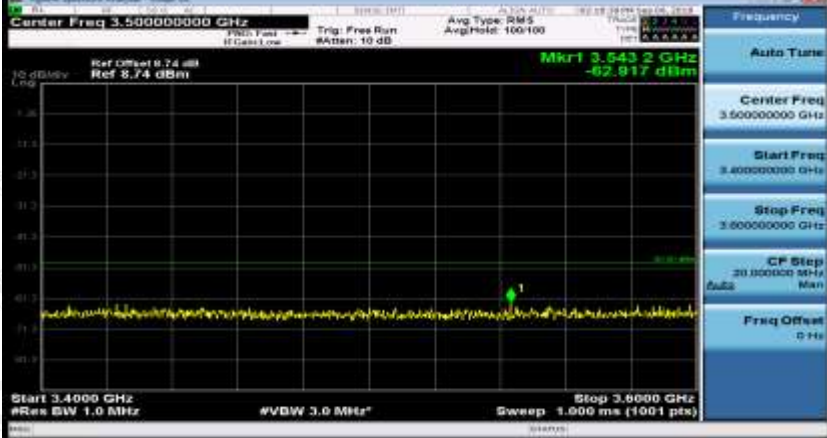
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Co-existence	
Co-existence	
Co-existence	

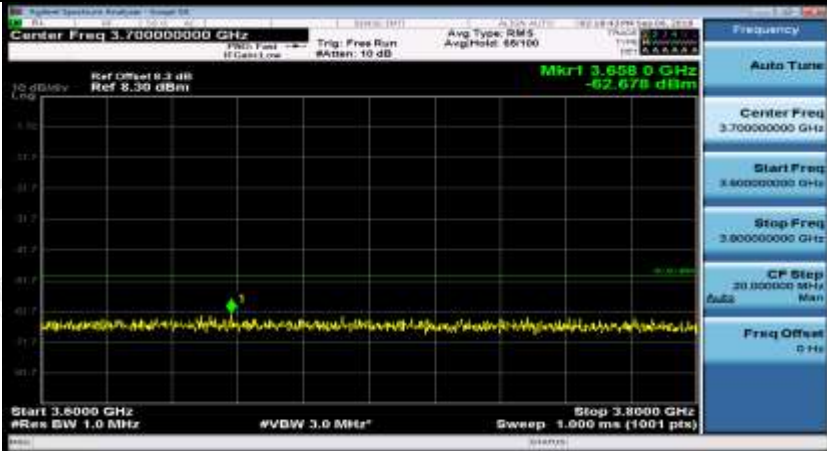
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Co-existence	
Co-existence	
Co-existence	

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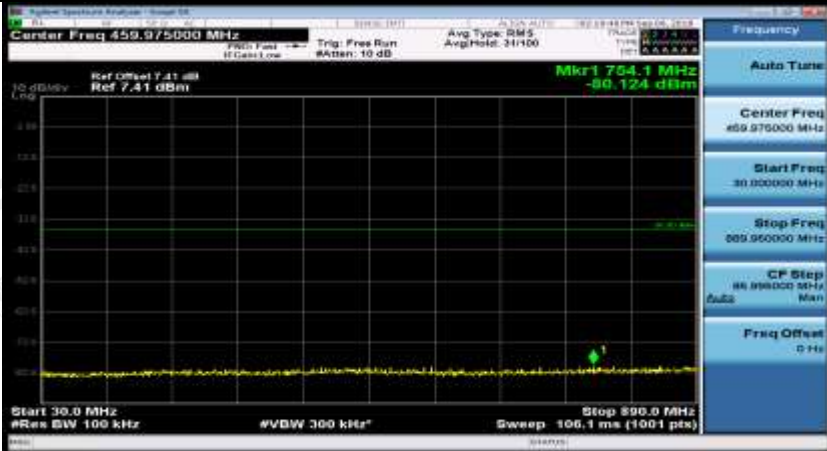
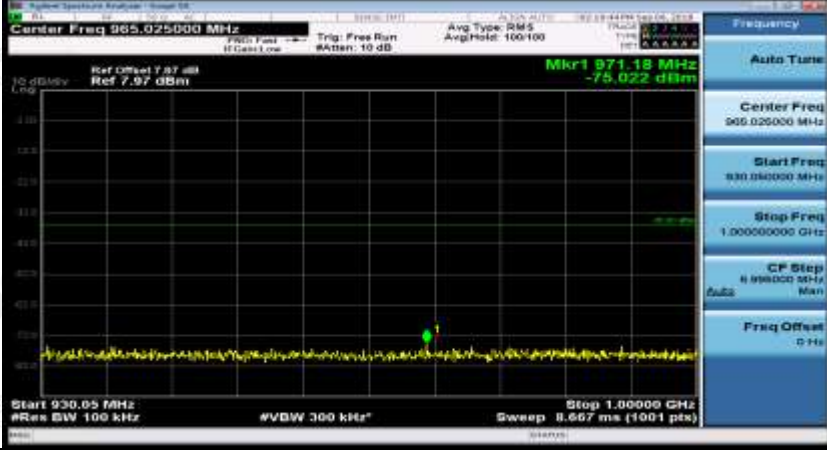
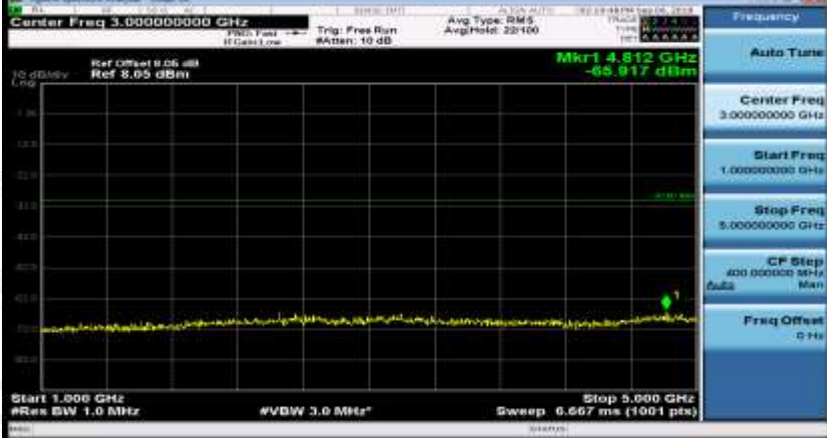
Co-existence	
Co-existence	
Co-existence	

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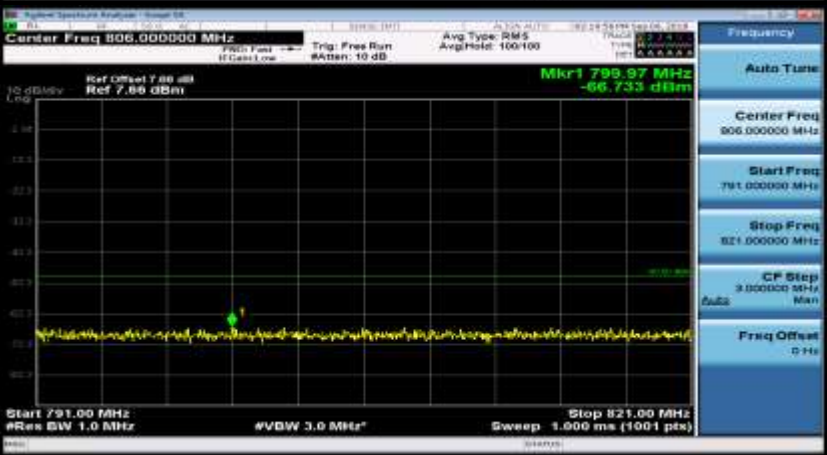
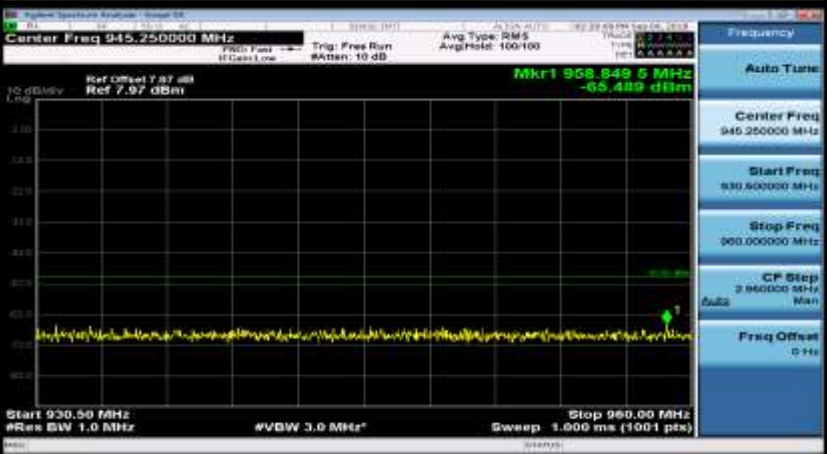
Co-existence	
Additional	NA

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

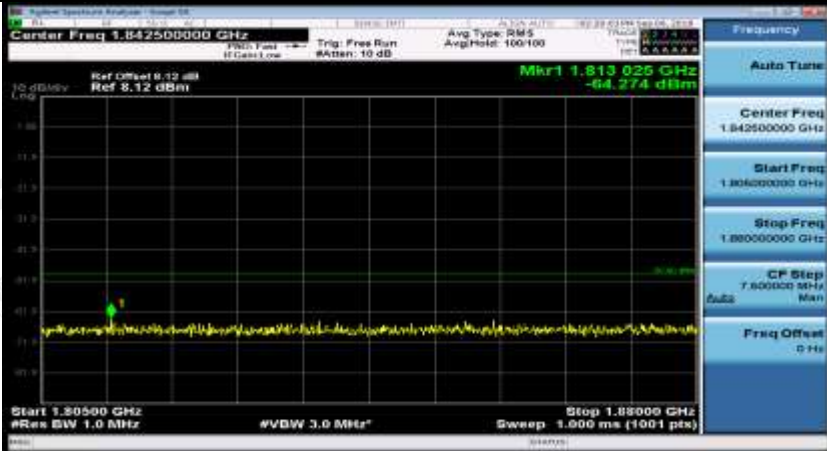
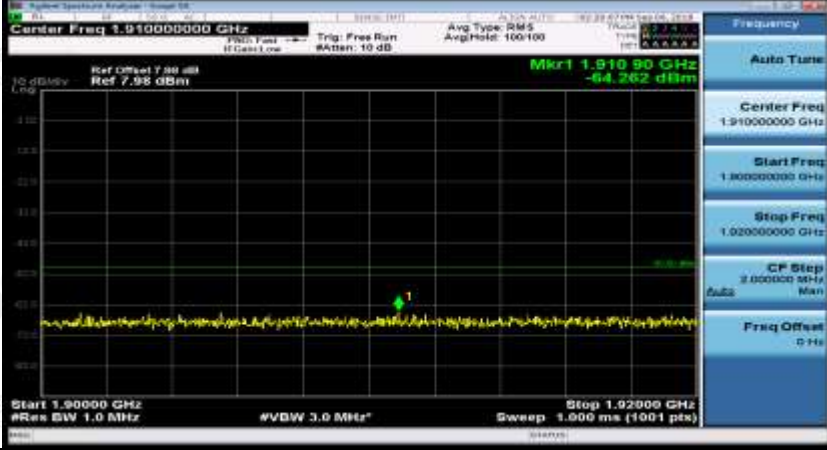
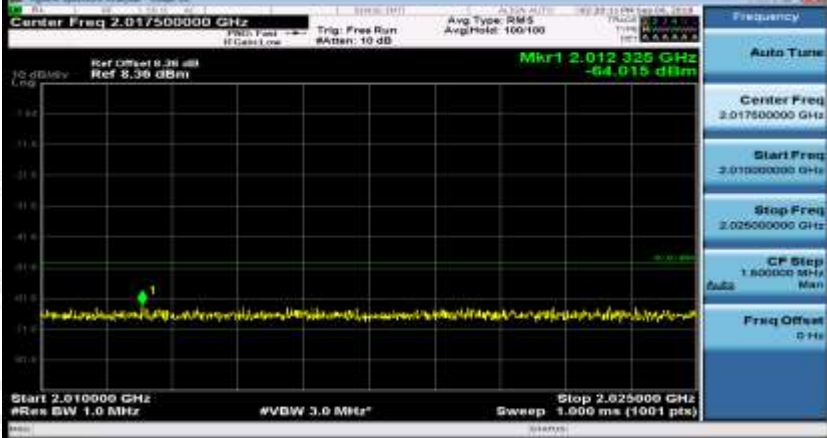
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General	
General	
General	

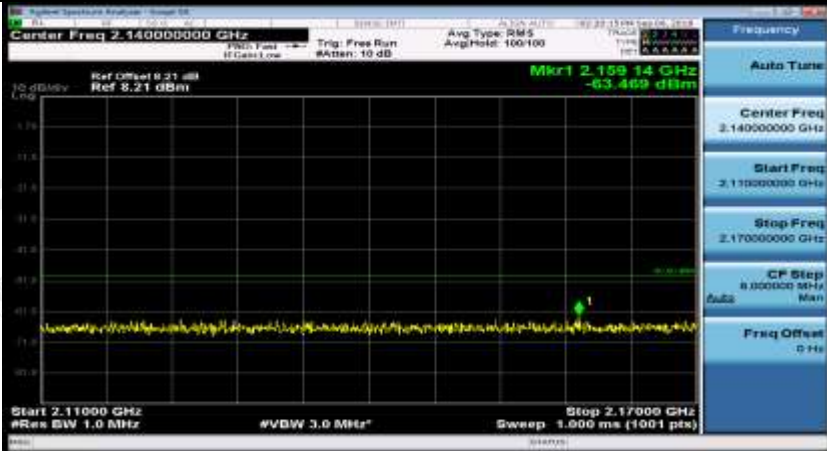
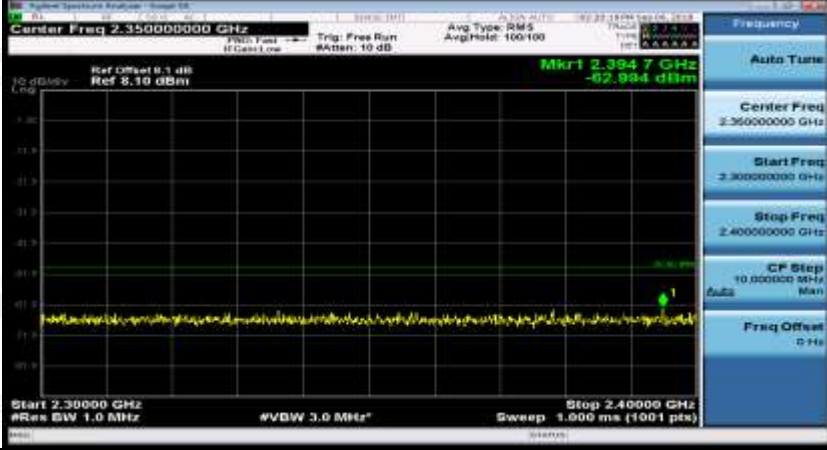
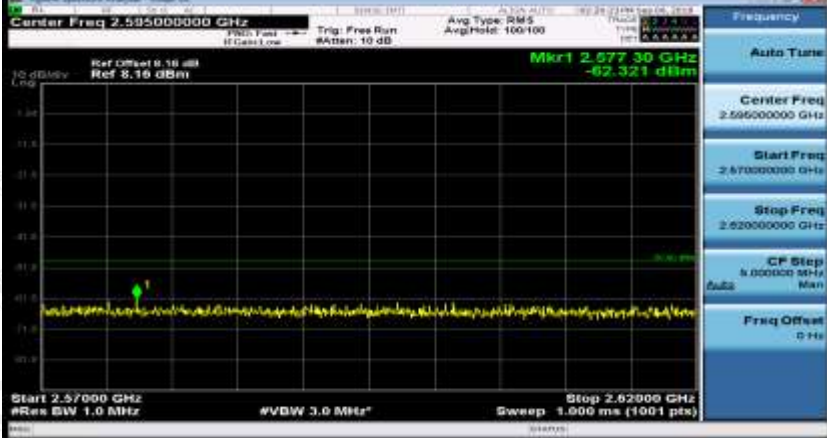
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General		
Co-existence		
Co-existence		

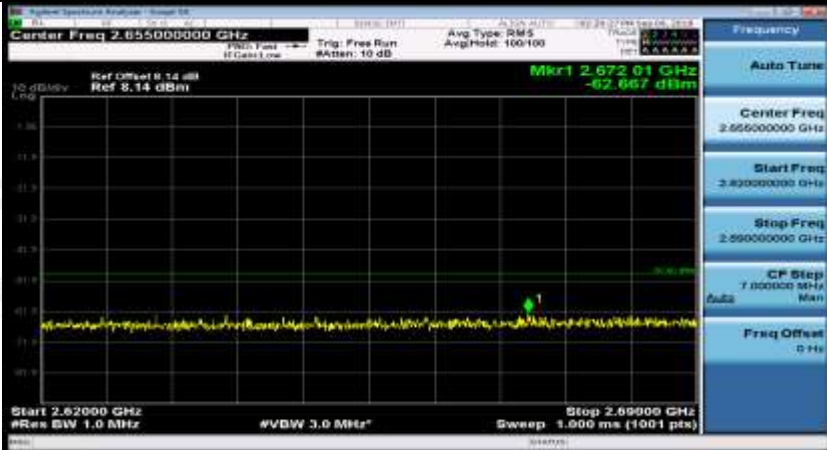
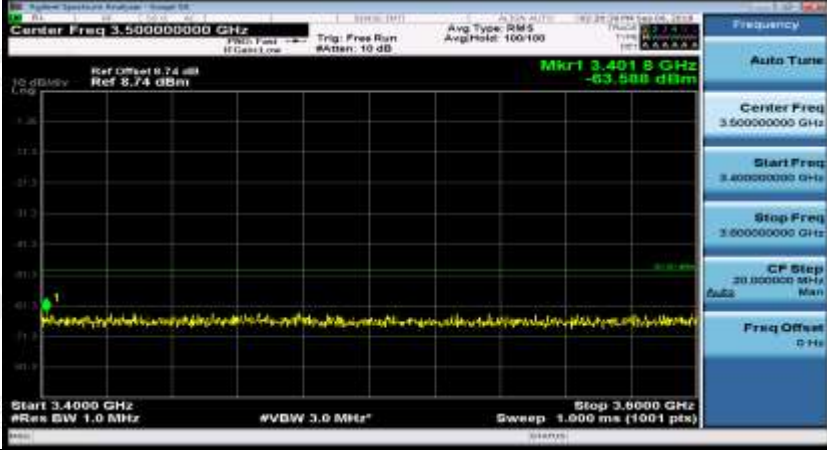
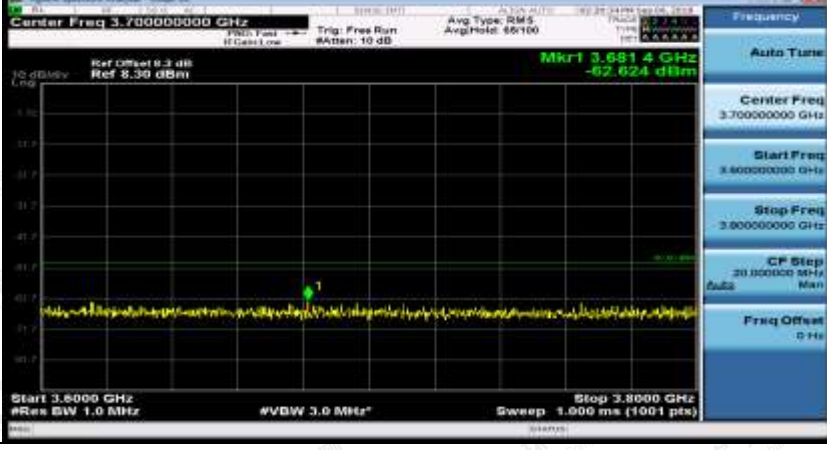
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Co-existence	
Co-existence	
Co-existence	

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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

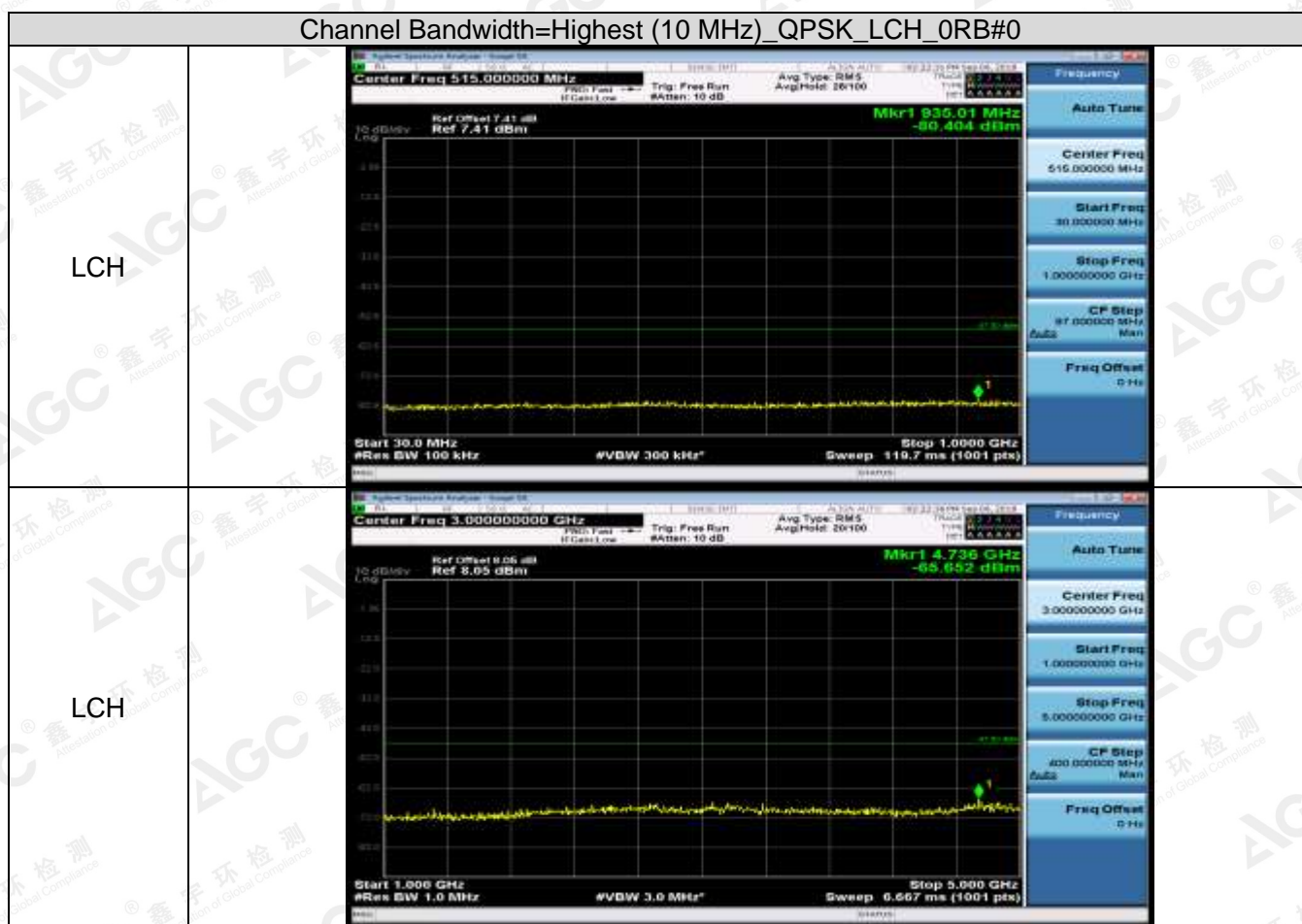
Channel Bandwidth=Highest

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

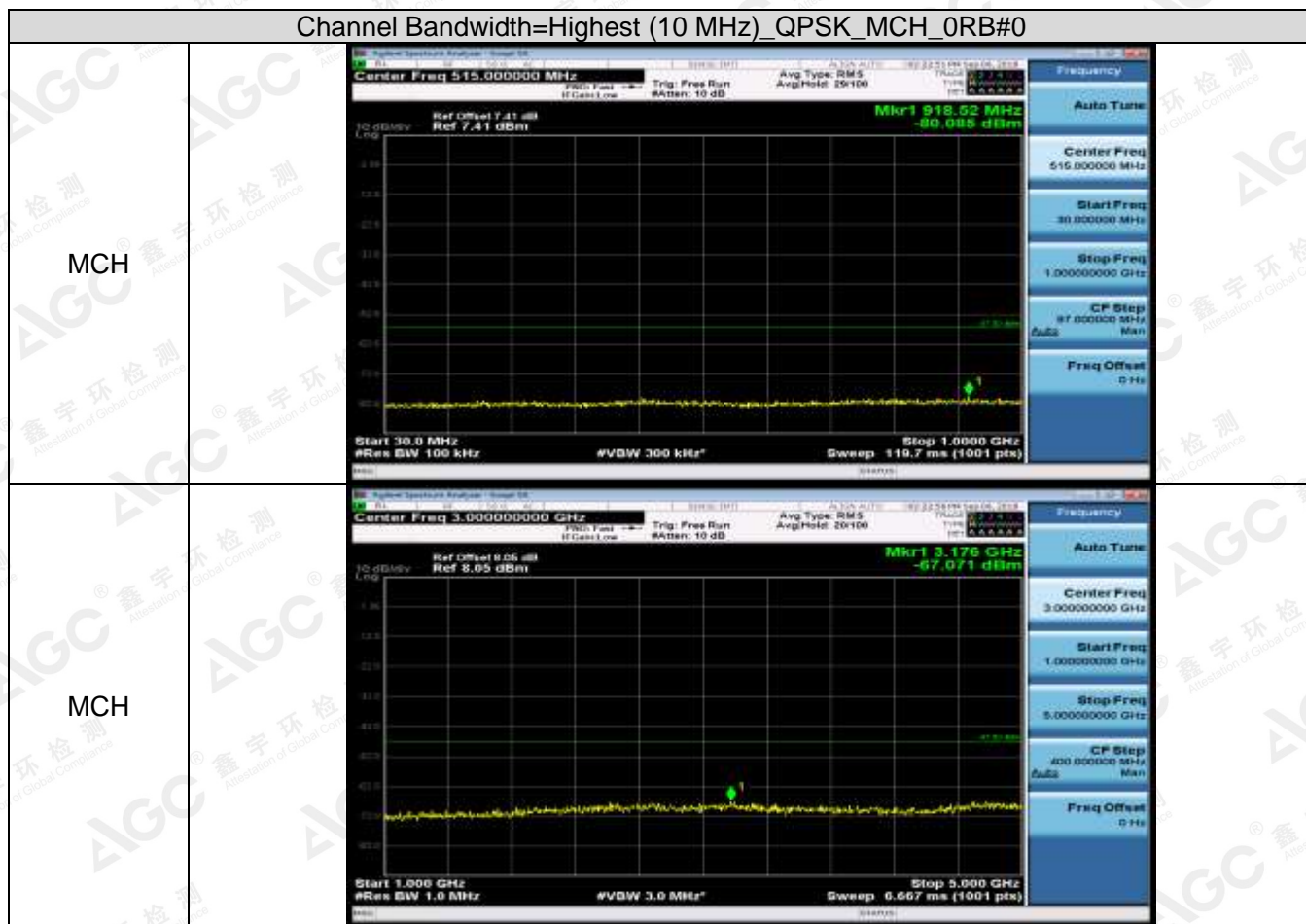
Test Graphs

NTNV

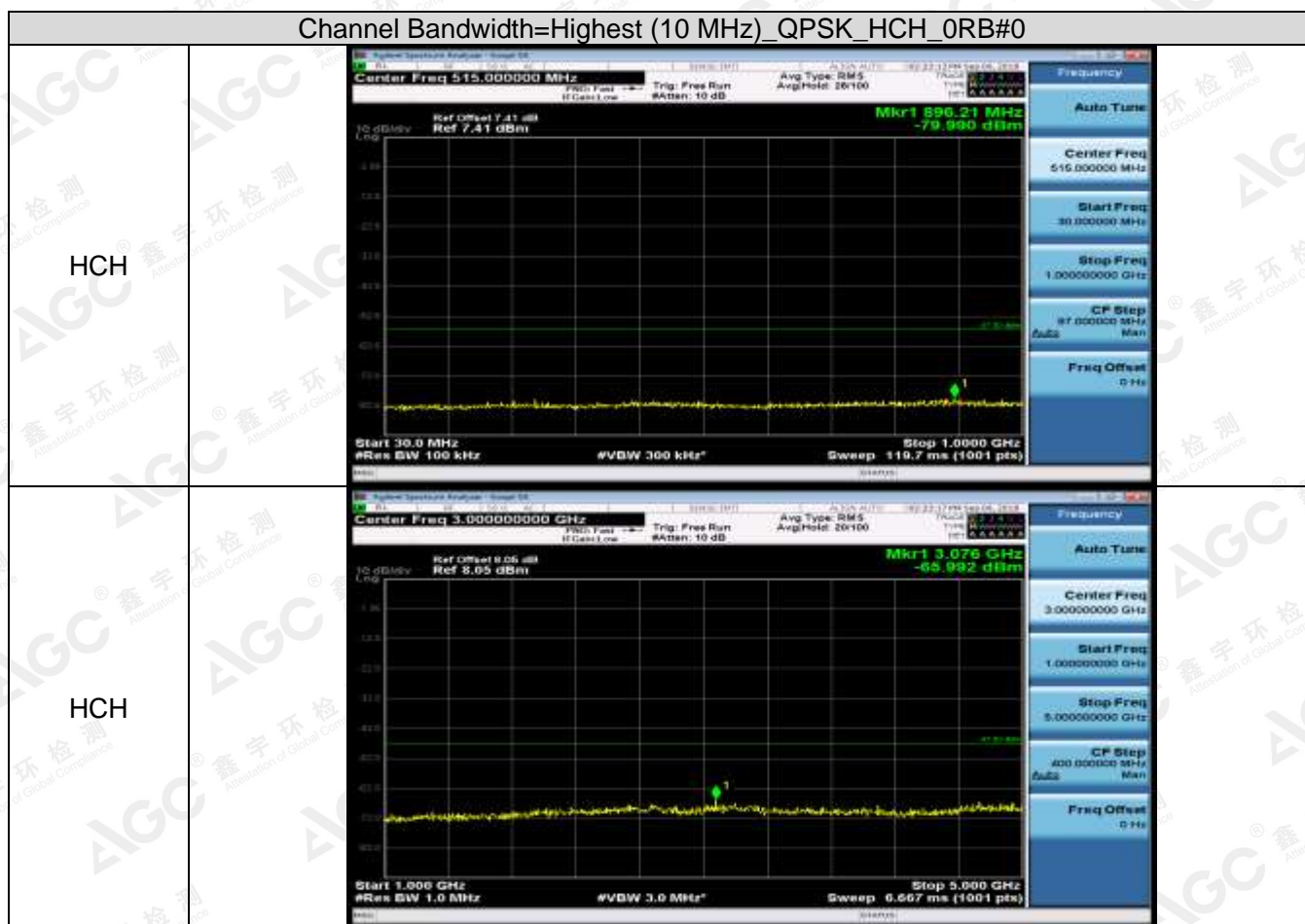
Channel Bandwidth=Highest



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7. Radiated spurious emissions - MS in idle mode

Test Result

NTNV

Channel Bandwidth=Highest= (10 MHz)

Frequency	Modulation	RBW	Max Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-74.32	-74.57	-74.69
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-69.28	-69.39	-69.48
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.65	-71.75	-71.72
Verdict	PASS					

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8. 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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9. 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

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

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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				

Narrow Band

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

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10. 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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11. Receiver Intermodulation Characteristics

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	Meas. Throughput	Throughput Limit
		FDD		FDD		
1.4MHz	QPSK	Full	QPSK	6	pass	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	pass	≥ 95 %
10MHz	QPSK	Full	QPSK	50	pass	≥ 95 %
Verdict	Pass					

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12. Receiver Reference Sensitivity Level

Test Results

NTVN

	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,Highest 10MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVN	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					
TL,VL	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					
TL,VH	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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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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	23.64	Pass
					max	23.69	Pass
				Partial	0	23.59	Pass
					max	23.65	Pass
			Mid range	1	0	23.70	Pass
					max	23.68	Pass
				Partial	0	23.57	Pass
					max	23.57	Pass
			High range	1	0	23.71	Pass
					max	23.67	Pass
				Partial	0	23.76	Pass
					max	23.74	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.67	Pass
					max	23.70	Pass
				Partial	0	23.50	Pass
					max	23.50	Pass
			Mid range	1	0	23.59	Pass
					max	23.68	Pass
				Partial	0	23.63	Pass
					max	23.43	Pass
			High range	1	0	23.50	Pass
					max	23.59	Pass
				Partial	0	23.49	Pass
					max	23.64	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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-49.49	Pass
			Mid range	Full	0	-46.50	Pass
			High range	Full	0	-47.33	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-46.80	Pass
			Mid range	Full	0	-46.92	Pass
			High range	Full	0	-46.79	Pass

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3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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

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			Mid range		max	PUMAX	Pass
				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)

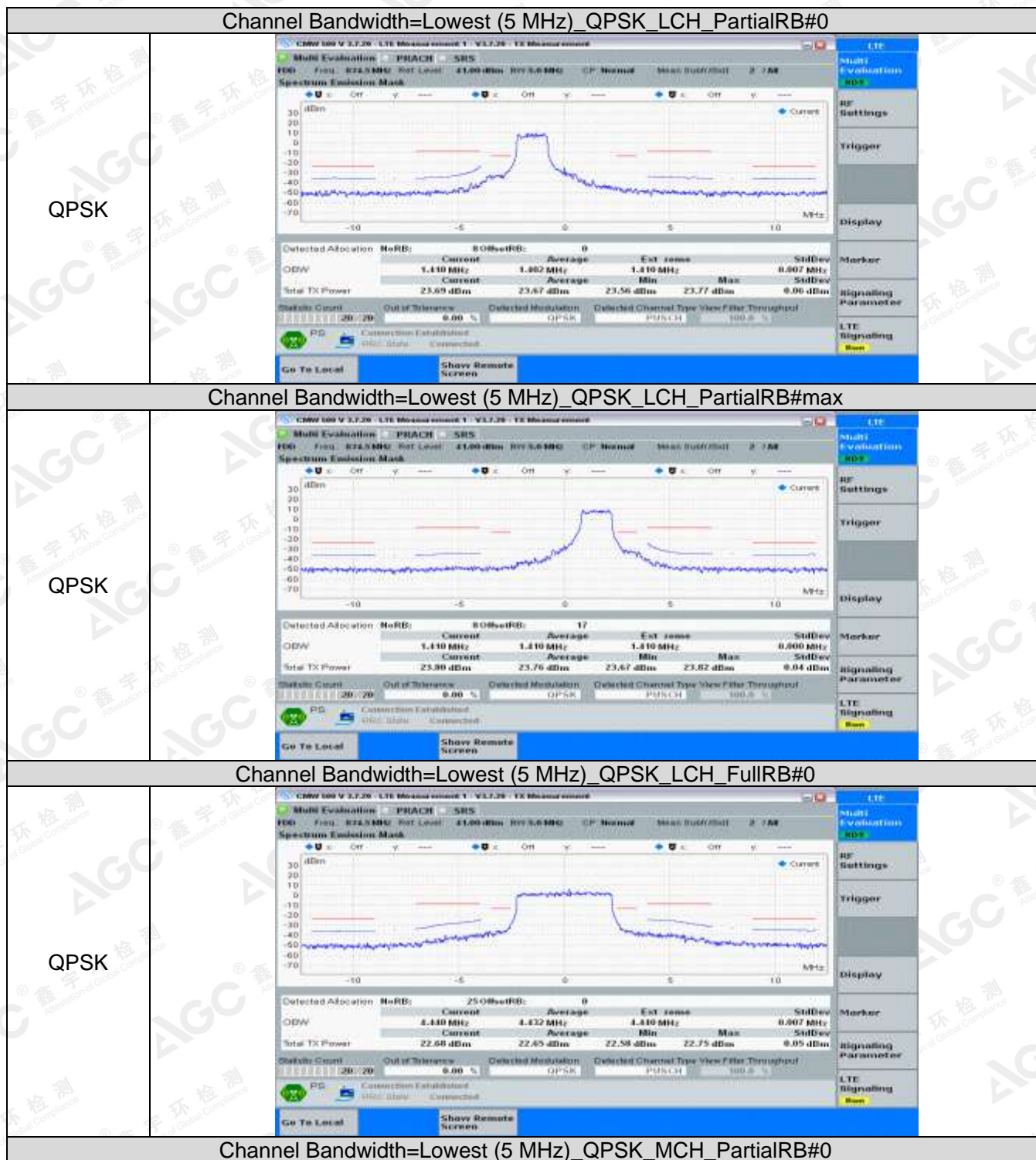
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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

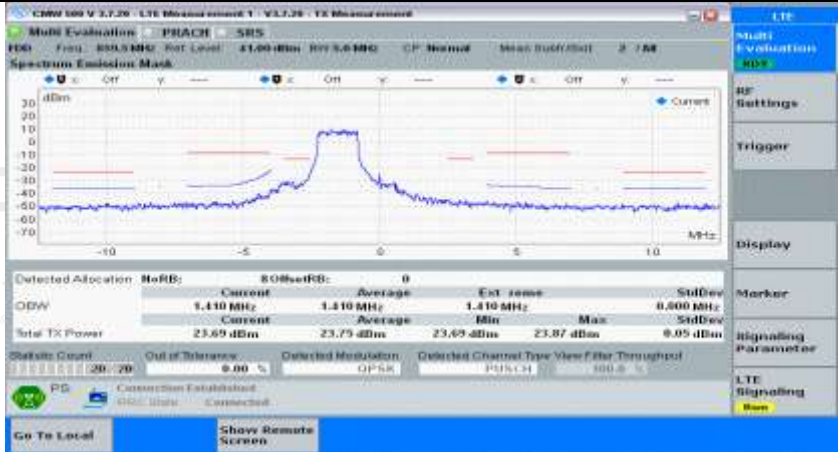
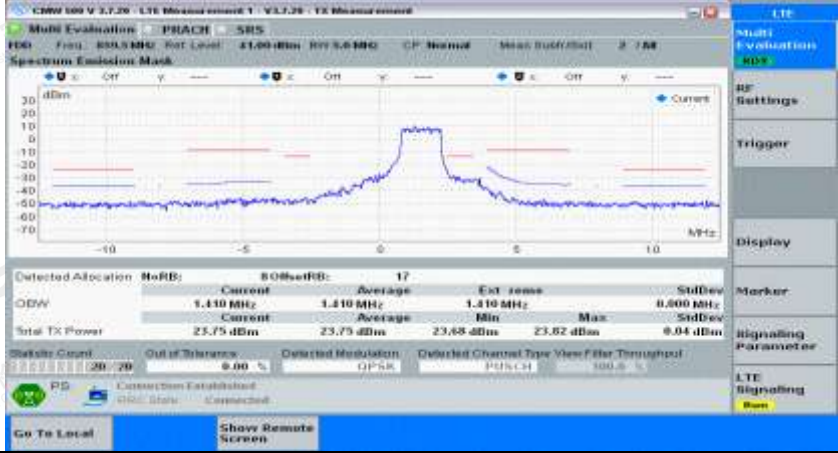
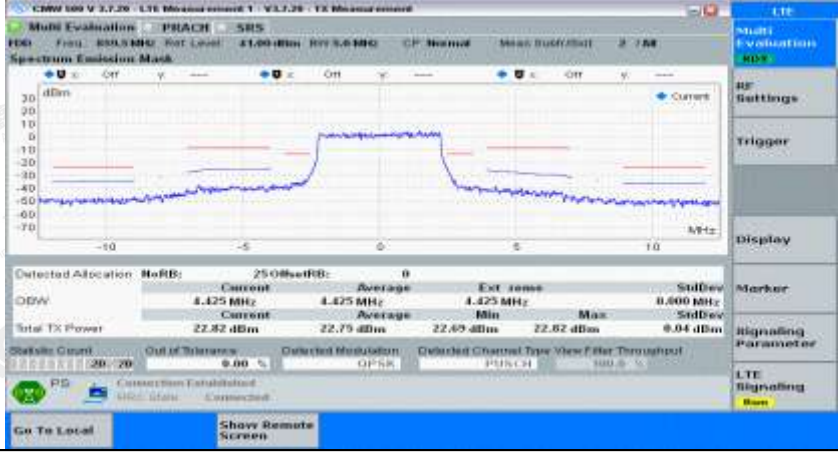
Channel Bandwidth=Lowest (5 MHz)



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

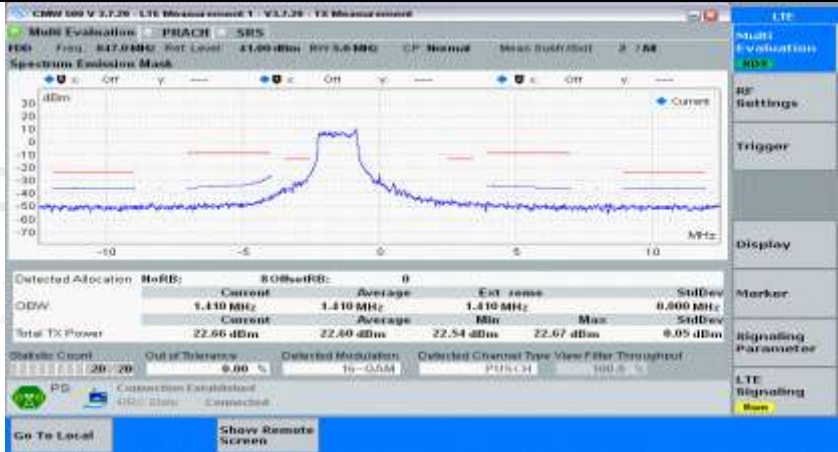
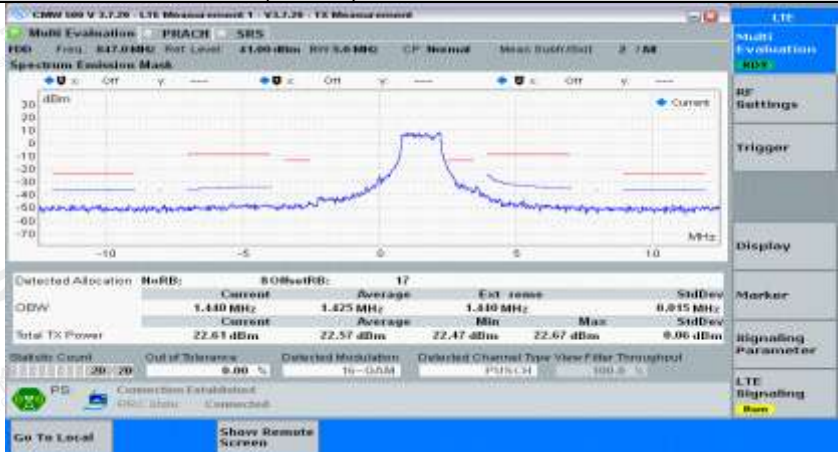
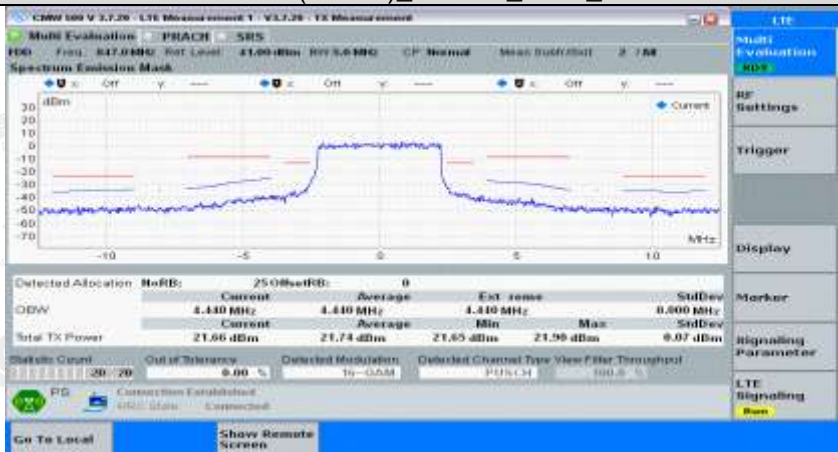
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

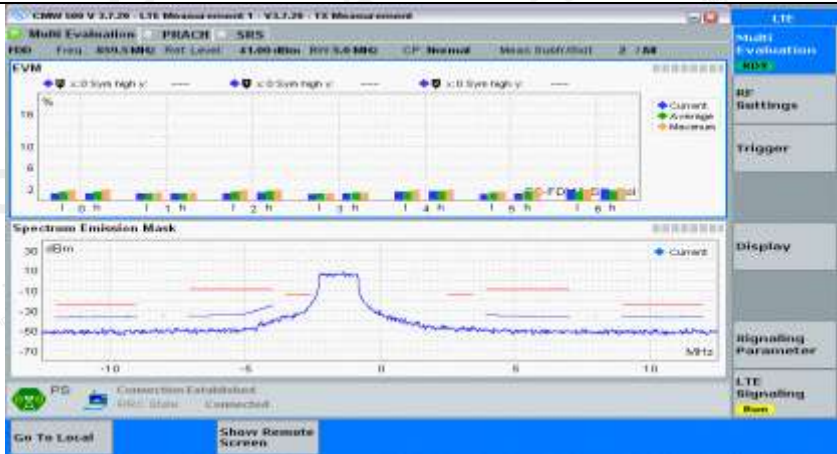
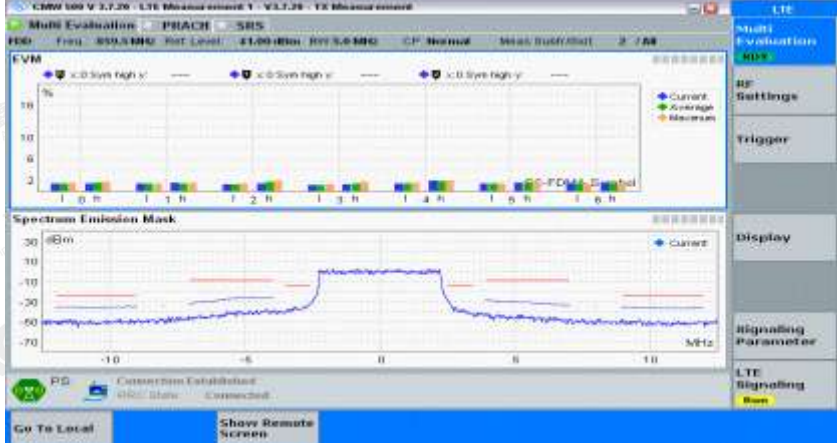
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

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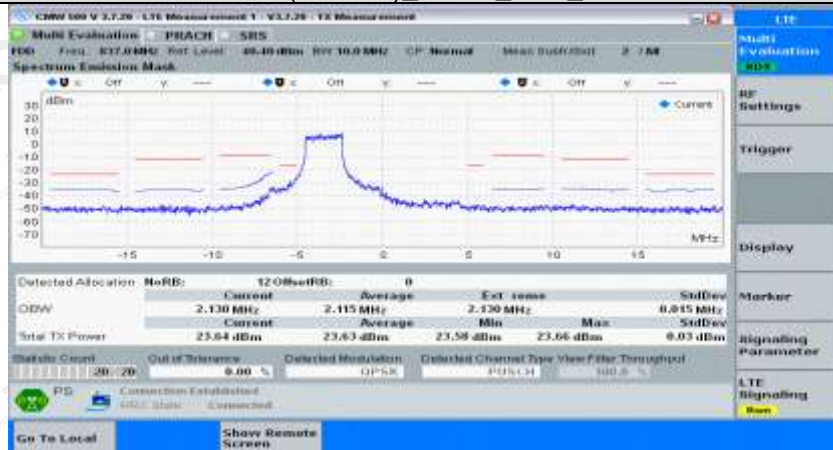
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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Channel Bandwidth= (10 MHz)

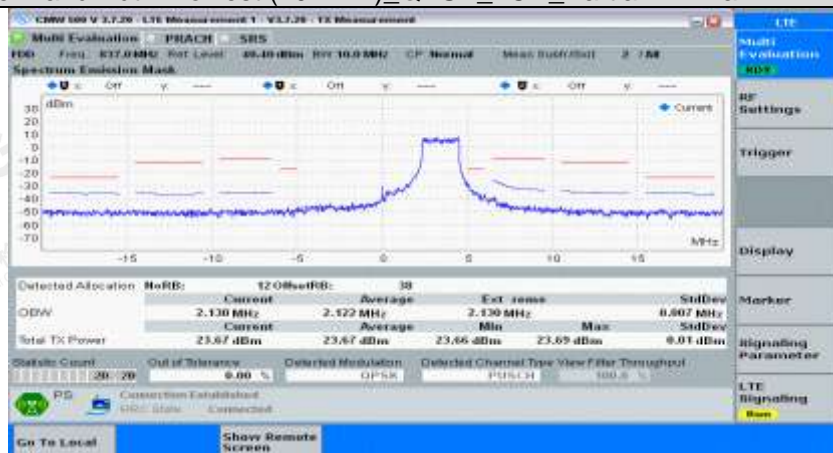
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

QPSK



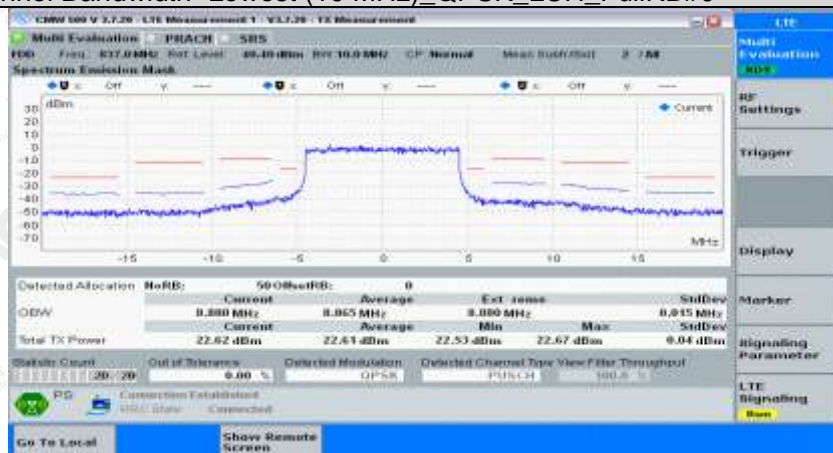
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max

QPSK



Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0

QPSK



Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0

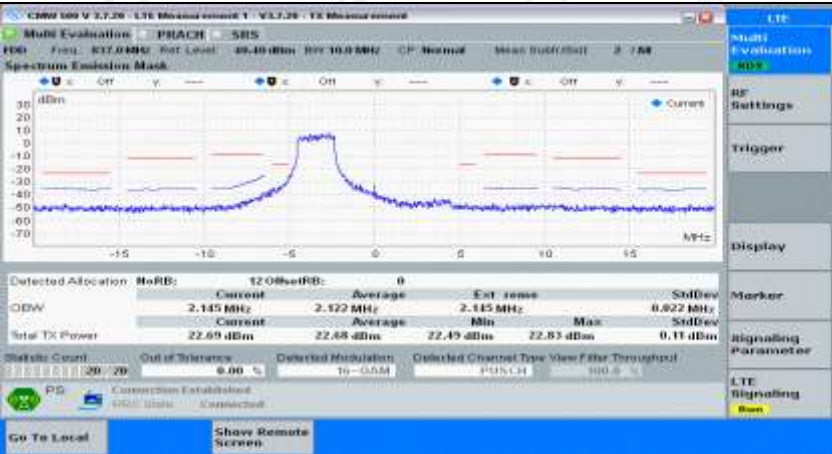
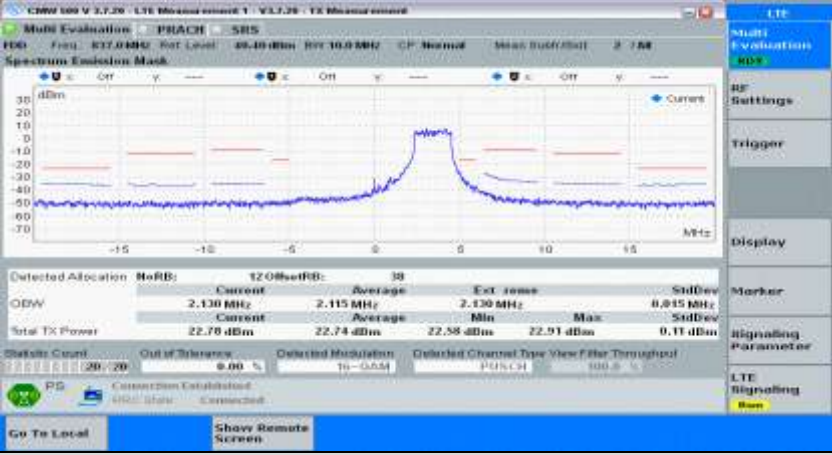
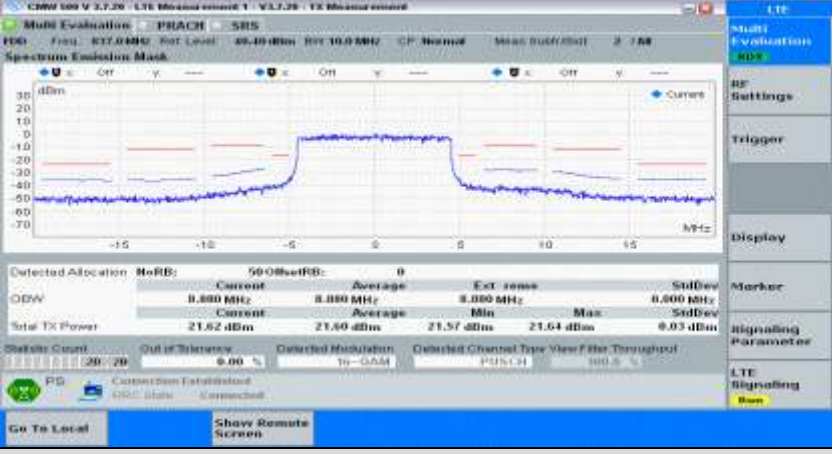
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

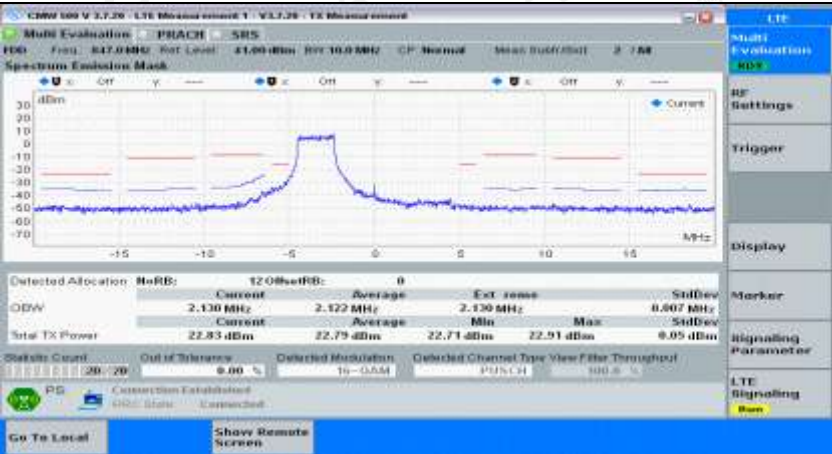
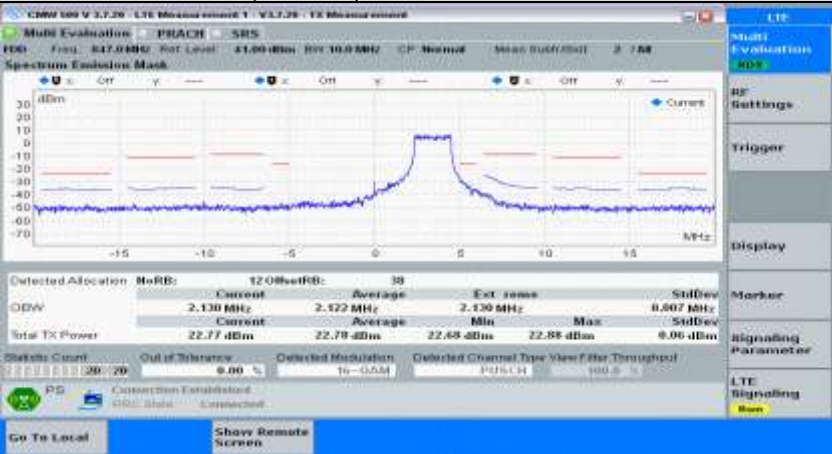
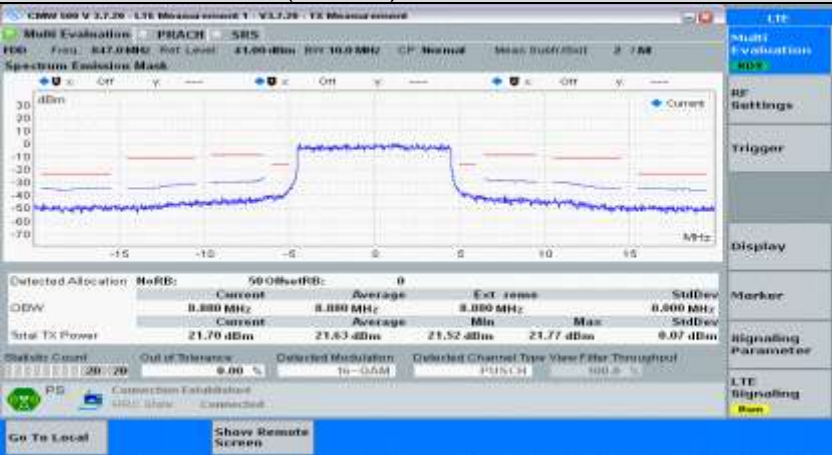
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

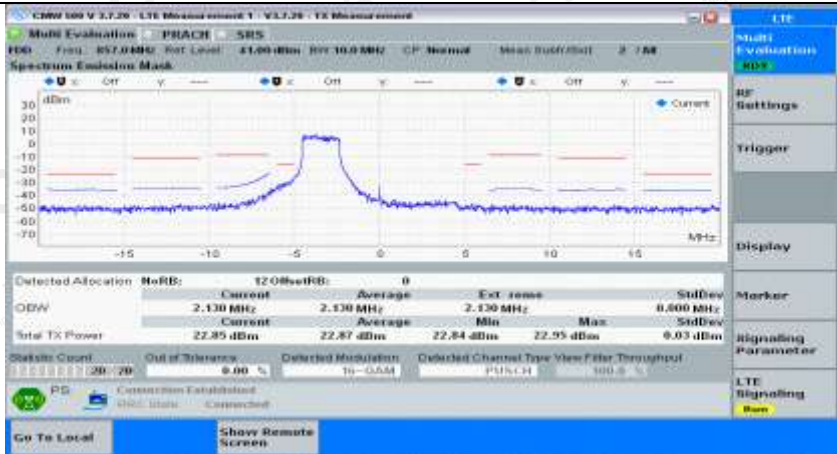
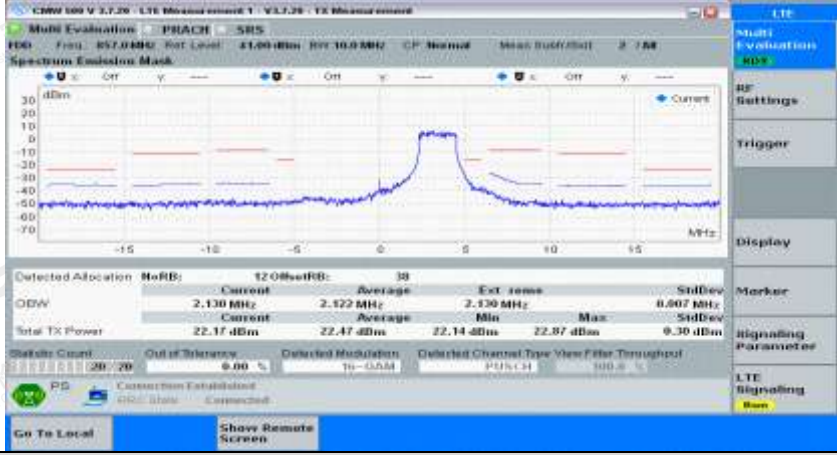
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

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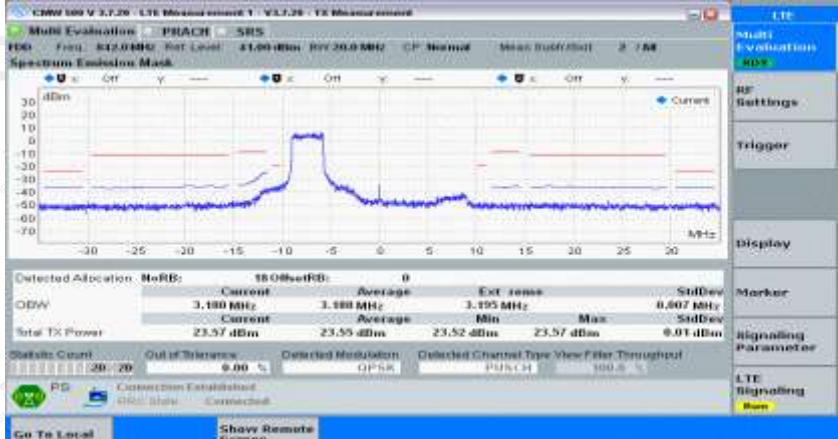
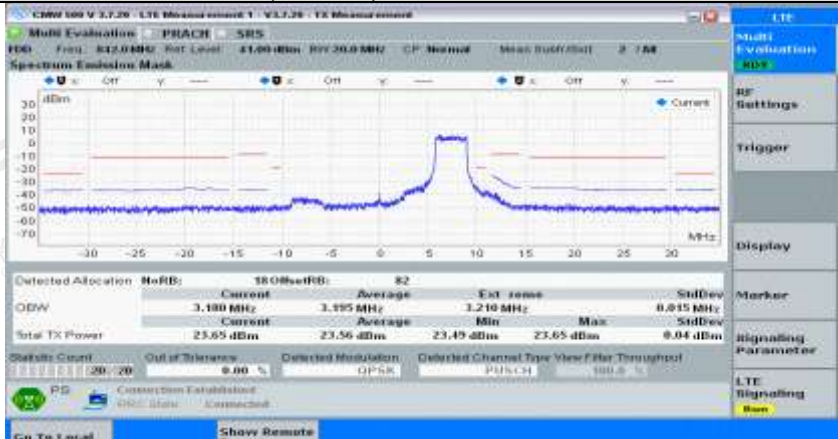
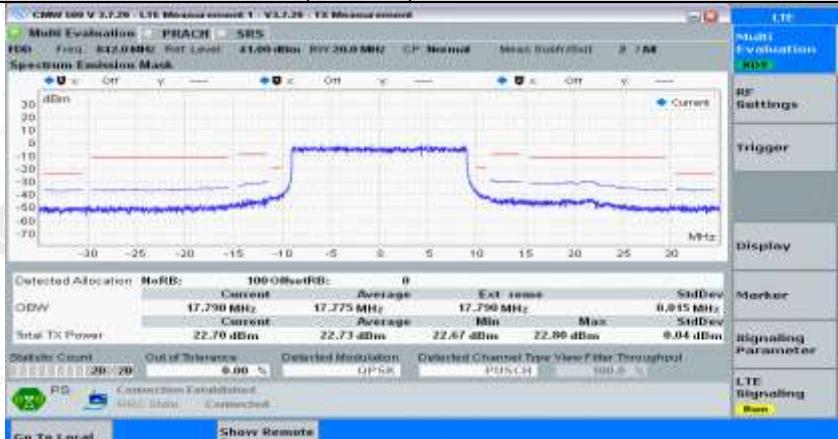
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>

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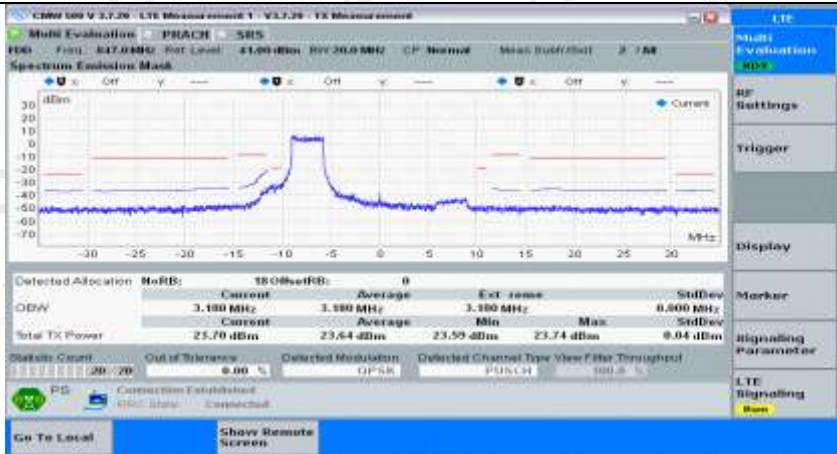
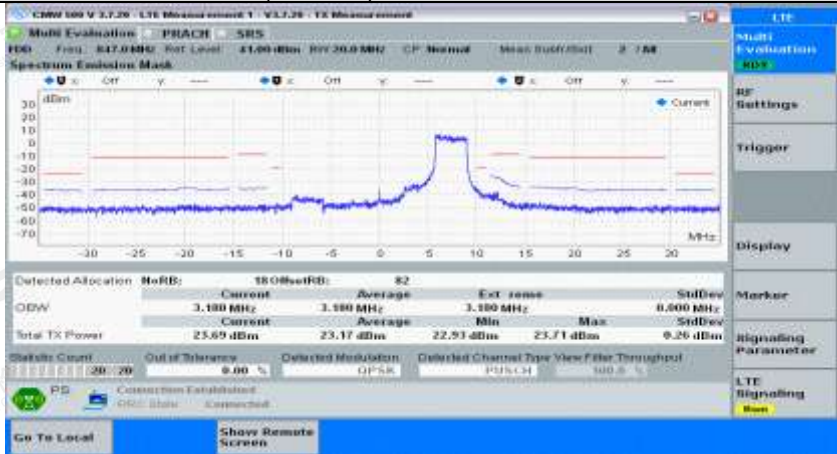
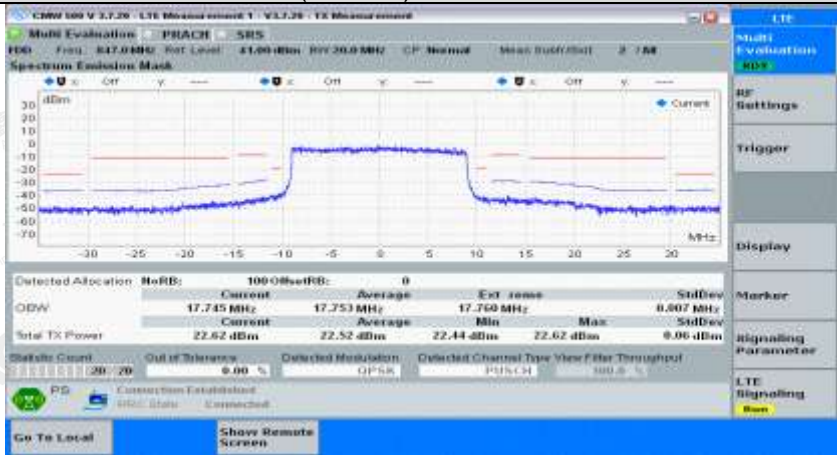
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	
16QAM	

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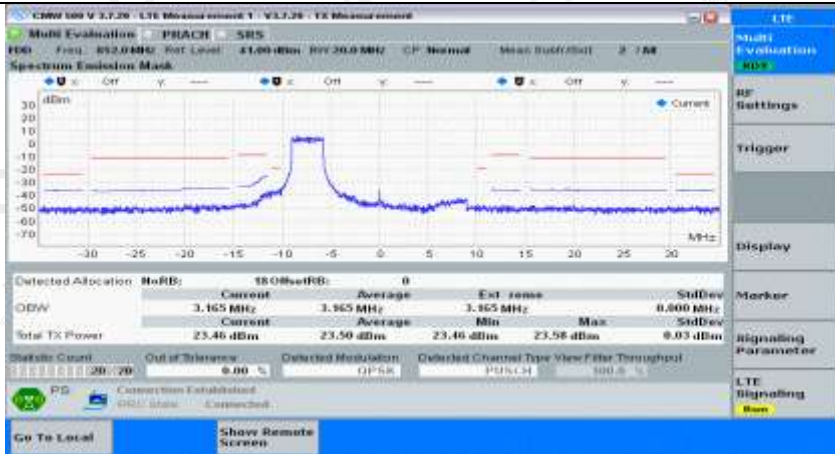
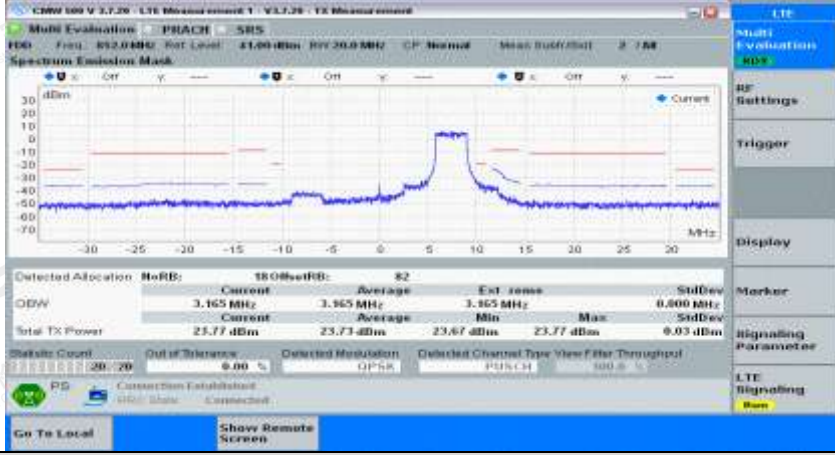
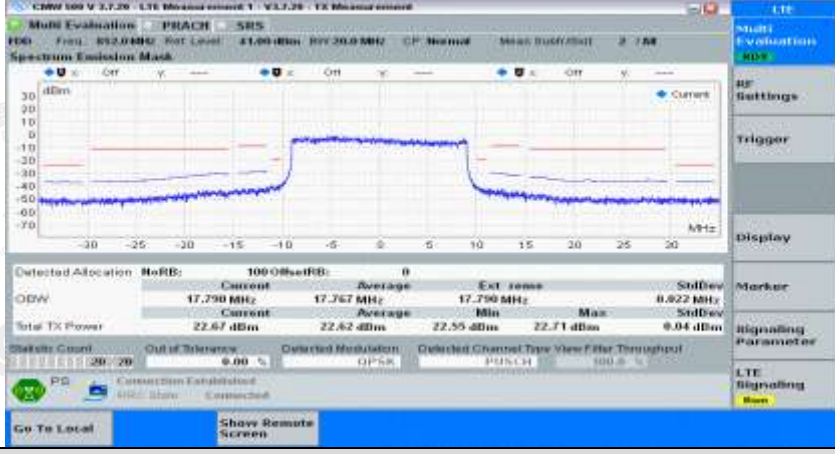
Channel Bandwidth=Highest (20 MHz)

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

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


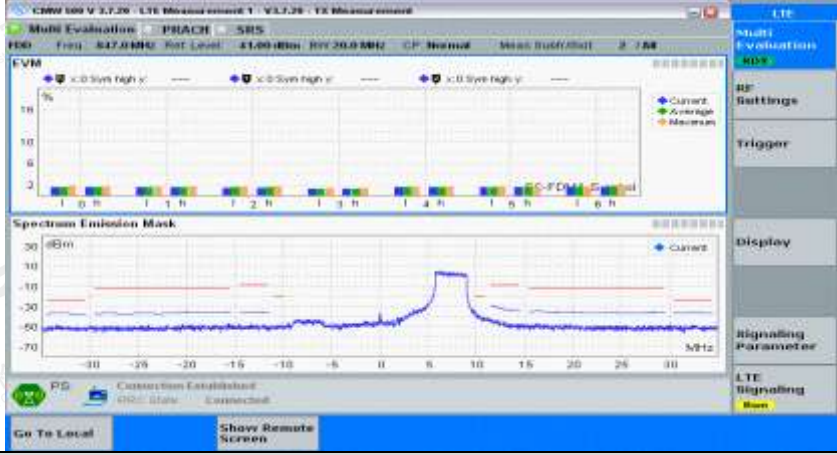
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QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0	

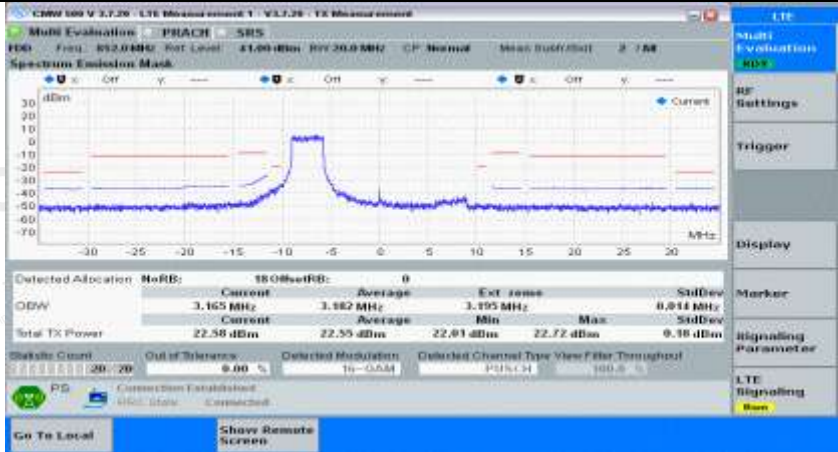
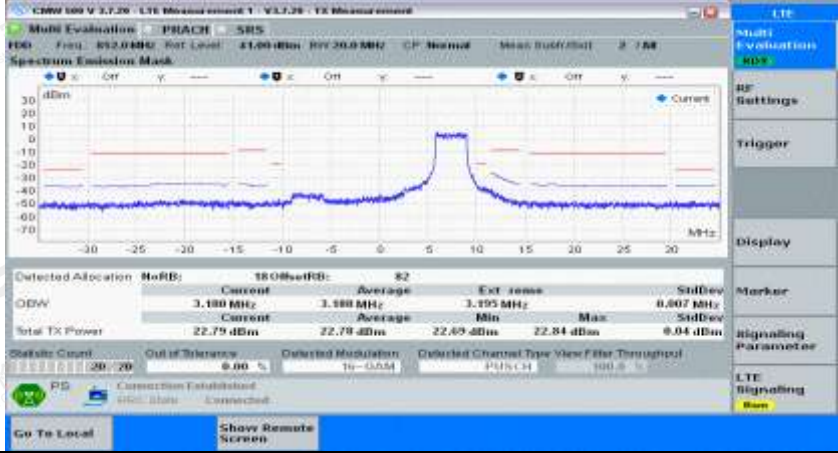
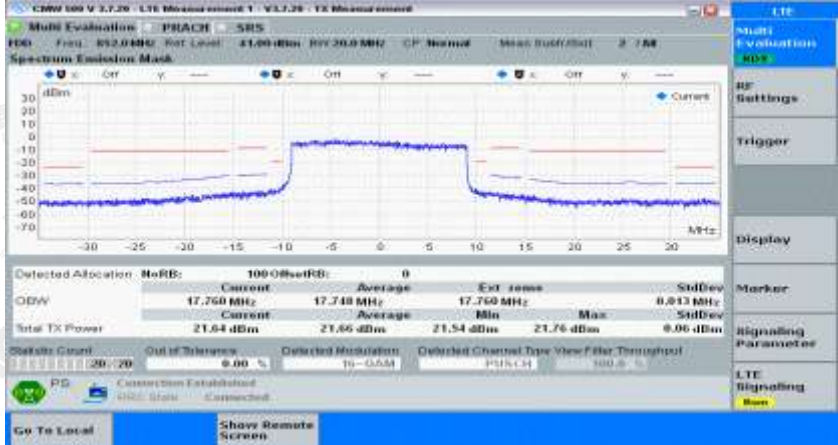
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16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	

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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.

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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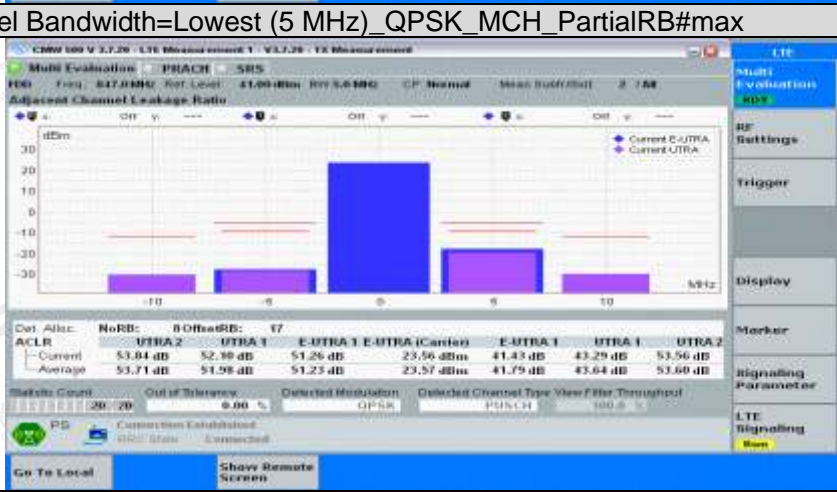
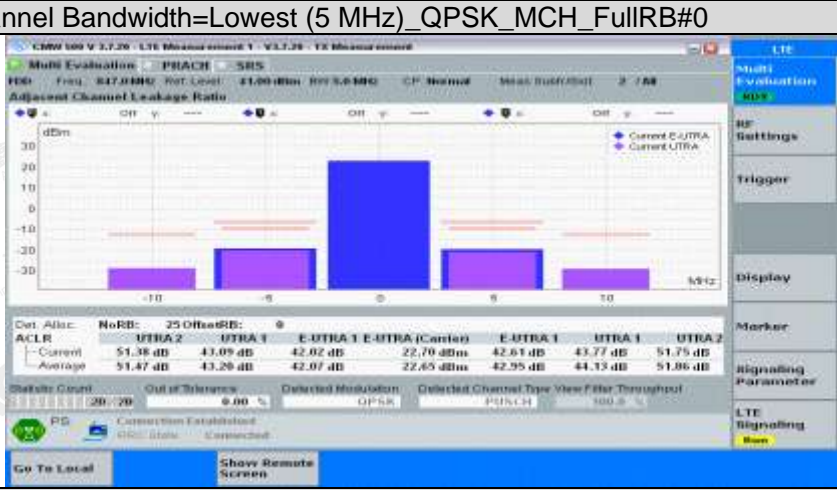
Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)



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QPSK	 <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>

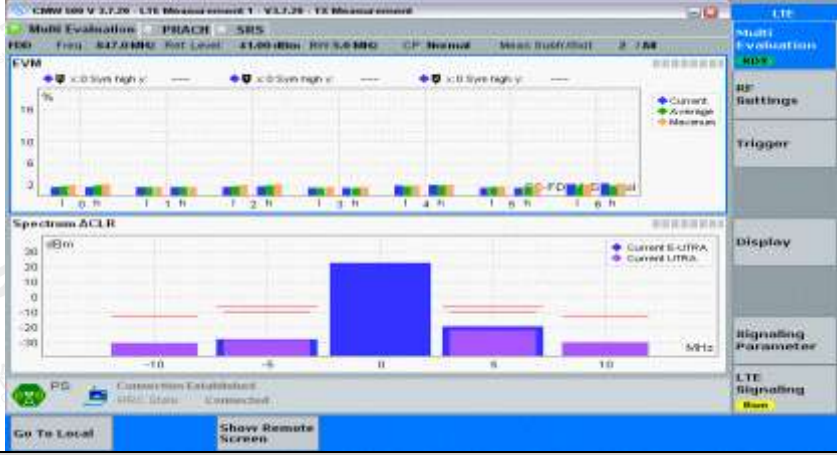
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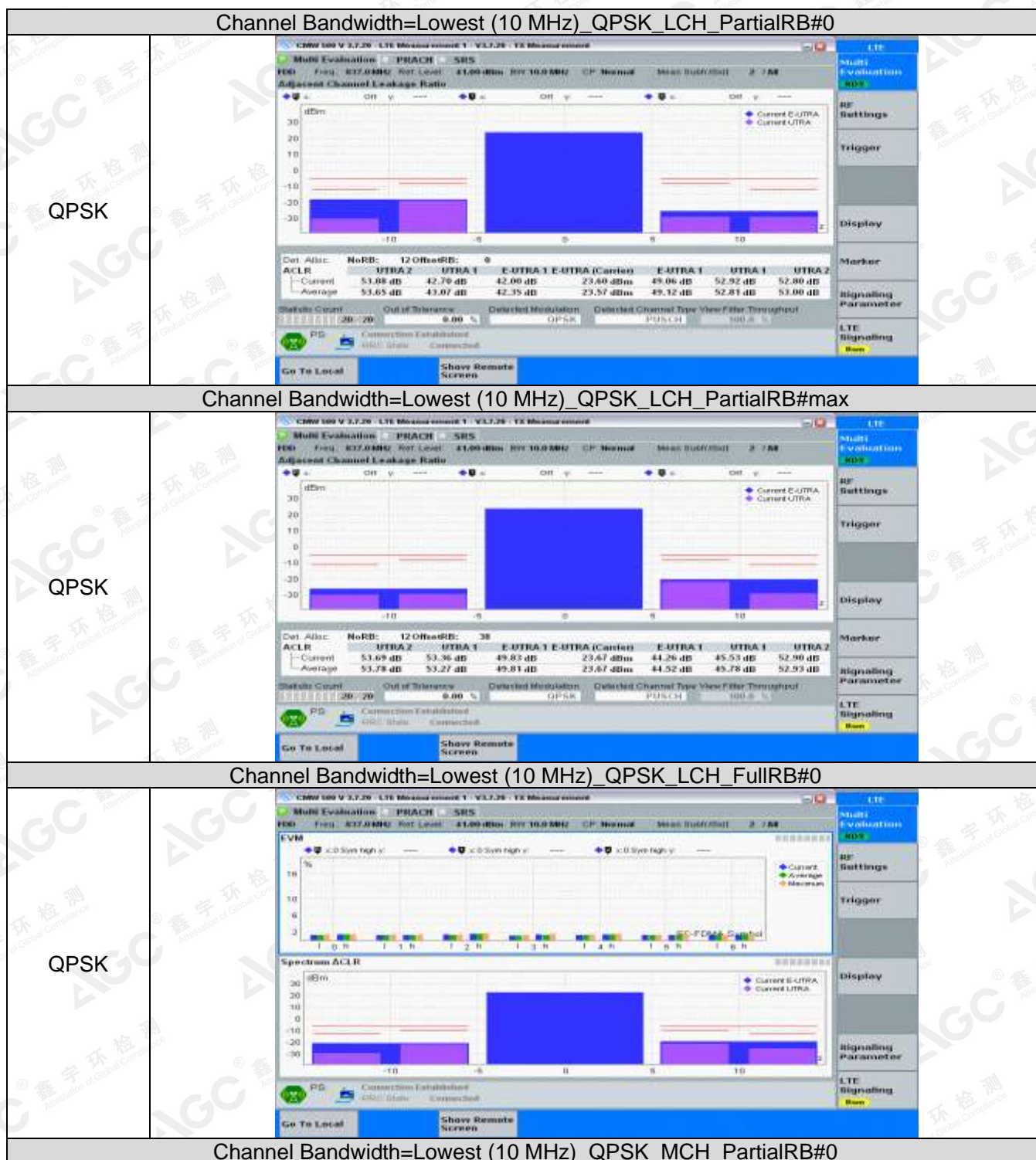
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

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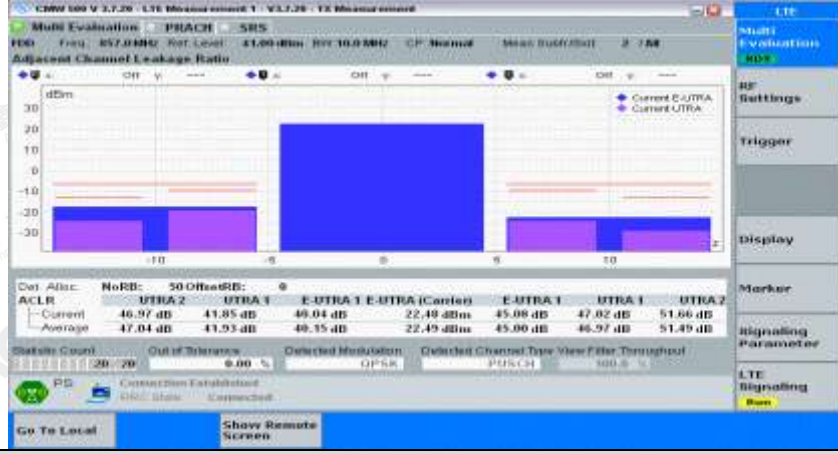
Channel Bandwidth= (10 MHz)




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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	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>30 OffRB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td></td><td></td><td></td><td>42.35 dB</td><td>41.56 dB</td><td>23.84 dBm</td><td>49.90 dB</td><td>53.35 dB</td><td>53.73 dB</td><td></td></tr><tr><td>Average</td><td></td><td></td><td></td><td>52.93 dB</td><td>42.06 dB</td><td>41.36 dB</td><td>23.85 dBm</td><td>49.73 dB</td><td>53.22 dB</td><td>53.72 dB</td></tr></table>	Det. Alloc.	NoRB	12 OffRB	30 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR				42.35 dB	41.56 dB	23.84 dBm	49.90 dB	53.35 dB	53.73 dB		Average				52.93 dB	42.06 dB	41.36 dB	23.85 dBm	49.73 dB	53.22 dB	53.72 dB
Det. Alloc.	NoRB	12 OffRB	30 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
ACLR				42.35 dB	41.56 dB	23.84 dBm	49.90 dB	53.35 dB	53.73 dB																									
Average				52.93 dB	42.06 dB	41.36 dB	23.85 dBm	49.73 dB	53.22 dB	53.72 dB																								
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max																																		
QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffRB</th><th>30 OffRB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td></td><td></td><td></td><td>52.26 dB</td><td>51.84 dB</td><td>48.24 dB</td><td>23.21 dBm</td><td>44.20 dB</td><td>45.25 dB</td><td>53.04 dB</td></tr><tr><td>Average</td><td></td><td></td><td></td><td>52.74 dB</td><td>52.26 dB</td><td>48.69 dB</td><td>23.65 dBm</td><td>42.80 dB</td><td>43.54 dB</td><td>53.44 dB</td></tr></table>	Det. Alloc.	NoRB	12 OffRB	30 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR				52.26 dB	51.84 dB	48.24 dB	23.21 dBm	44.20 dB	45.25 dB	53.04 dB	Average				52.74 dB	52.26 dB	48.69 dB	23.65 dBm	42.80 dB	43.54 dB	53.44 dB
Det. Alloc.	NoRB	12 OffRB	30 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																								
ACLR				52.26 dB	51.84 dB	48.24 dB	23.21 dBm	44.20 dB	45.25 dB	53.04 dB																								
Average				52.74 dB	52.26 dB	48.69 dB	23.65 dBm	42.80 dB	43.54 dB	53.44 dB																								
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0																																		
QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>50 OffRB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>ACLR</td><td></td><td></td><td>46.97 dB</td><td>41.85 dB</td><td>40.04 dB</td><td>22.48 dBm</td><td>45.08 dB</td><td>47.02 dB</td><td>51.66 dB</td></tr><tr><td>Average</td><td></td><td></td><td>47.04 dB</td><td>41.53 dB</td><td>40.15 dB</td><td>22.49 dBm</td><td>45.00 dB</td><td>46.97 dB</td><td>51.49 dB</td></tr></table>	Det. Alloc.	NoRB	50 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	ACLR			46.97 dB	41.85 dB	40.04 dB	22.48 dBm	45.08 dB	47.02 dB	51.66 dB	Average			47.04 dB	41.53 dB	40.15 dB	22.49 dBm	45.00 dB	46.97 dB	51.49 dB			
Det. Alloc.	NoRB	50 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																									
ACLR			46.97 dB	41.85 dB	40.04 dB	22.48 dBm	45.08 dB	47.02 dB	51.66 dB																									
Average			47.04 dB	41.53 dB	40.15 dB	22.49 dBm	45.00 dB	46.97 dB	51.49 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_FullRB#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	
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)

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

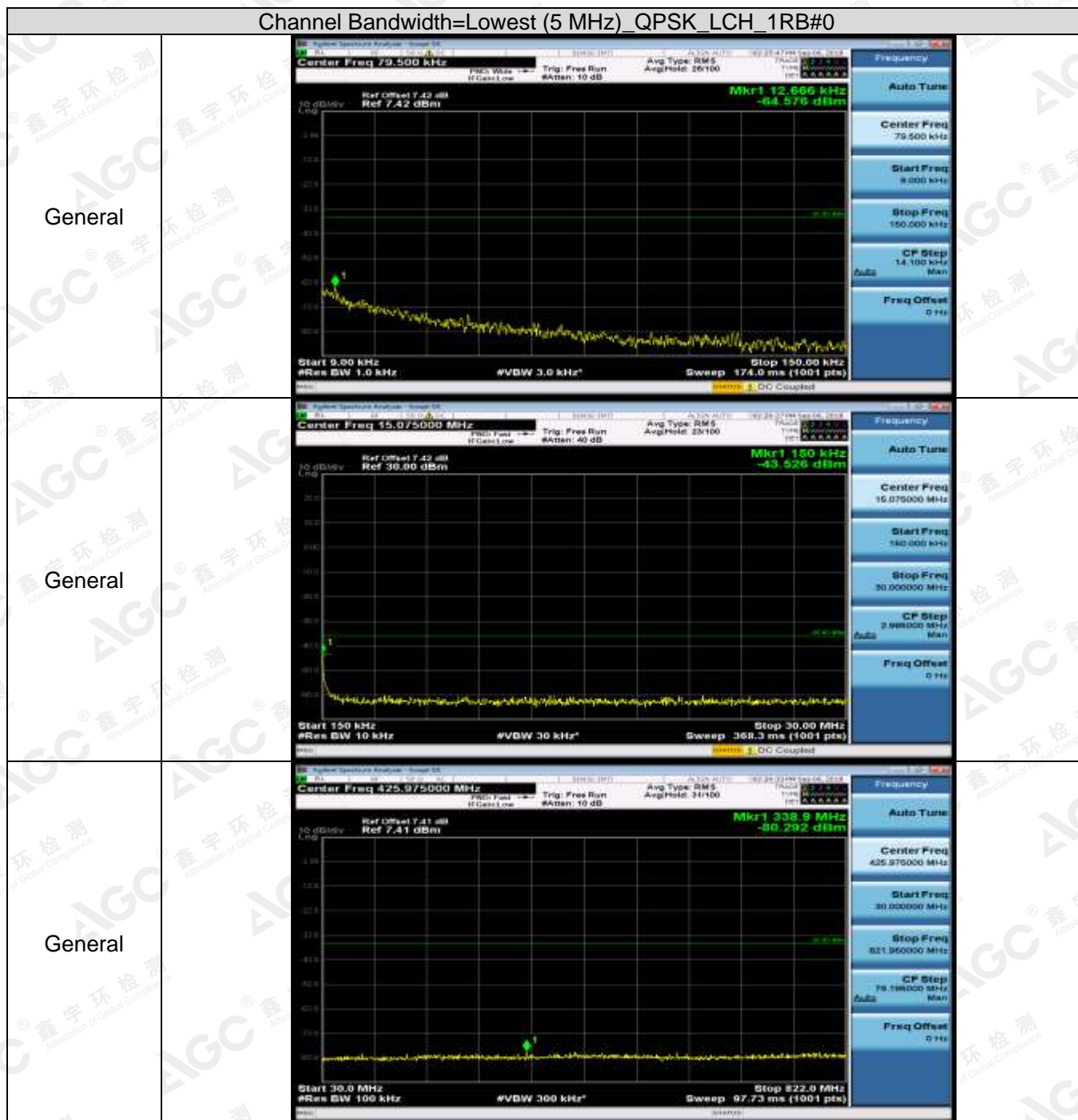
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

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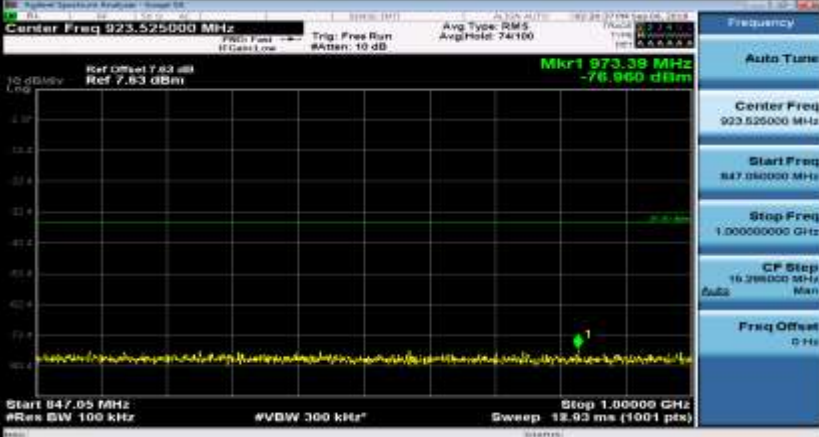


Test Graphs

NTNV

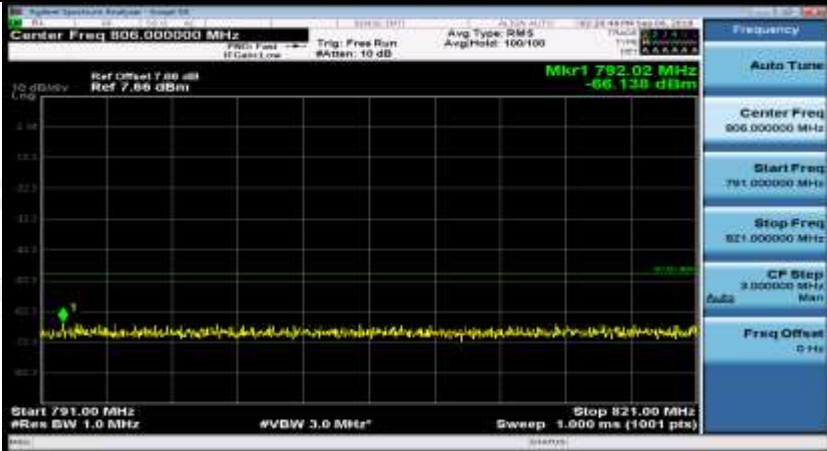
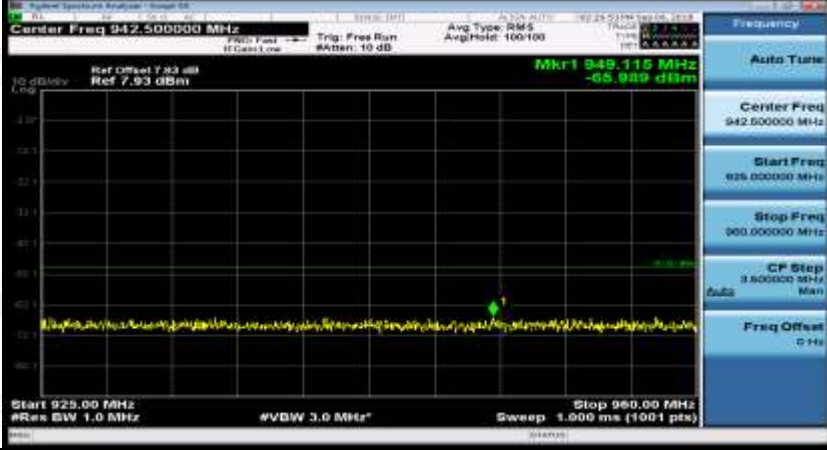
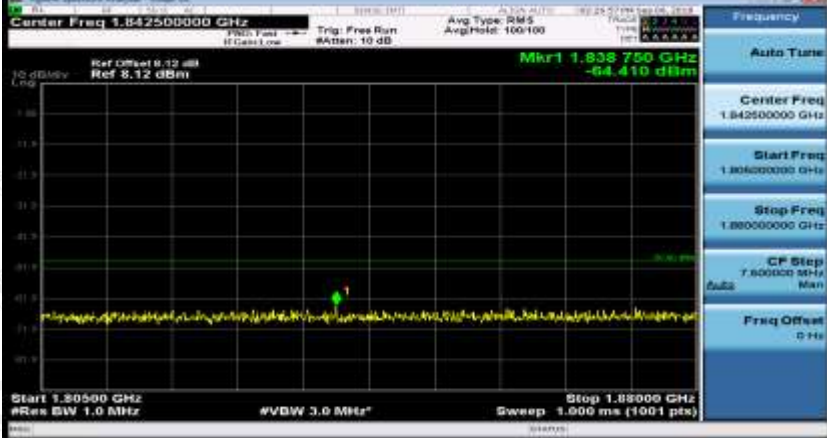
Channel Bandwidth=Lowest (5 MHz)



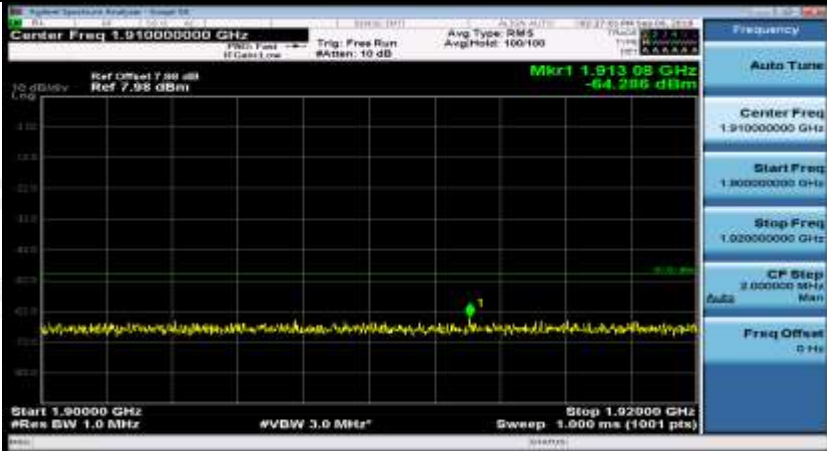
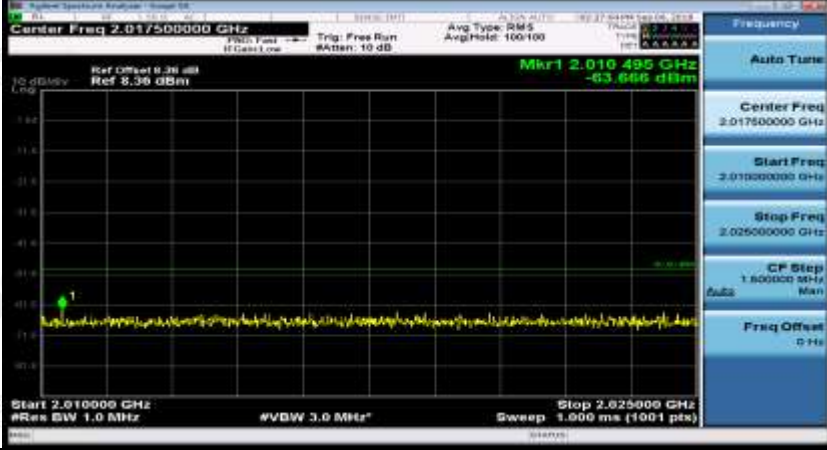
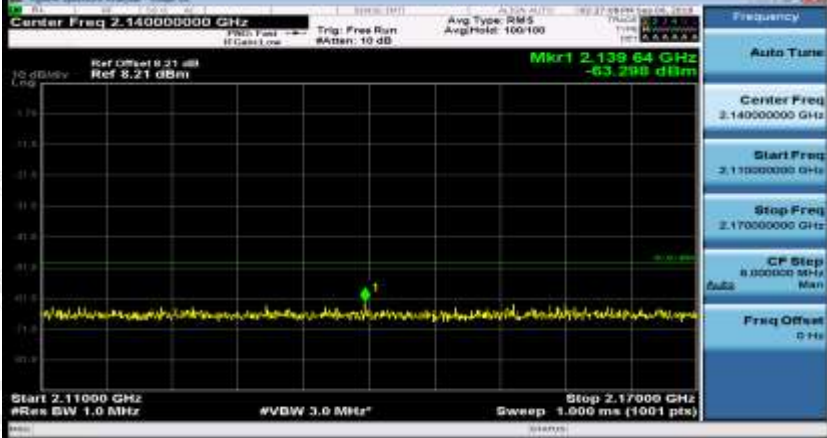
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

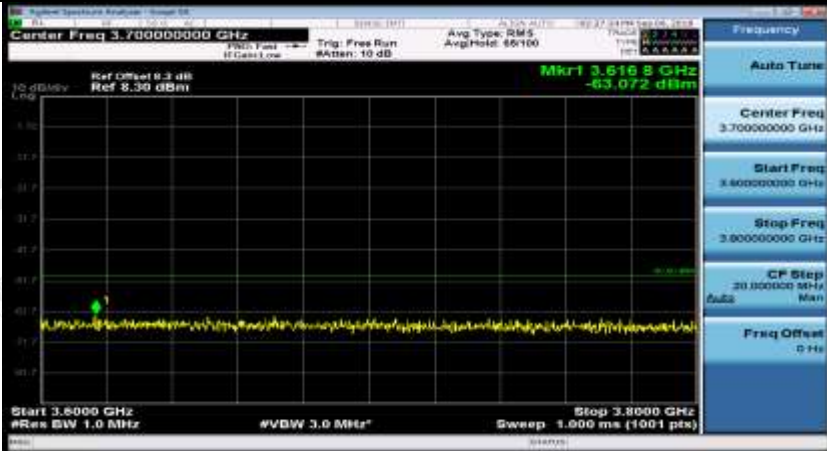
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of 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	
Co-existence	

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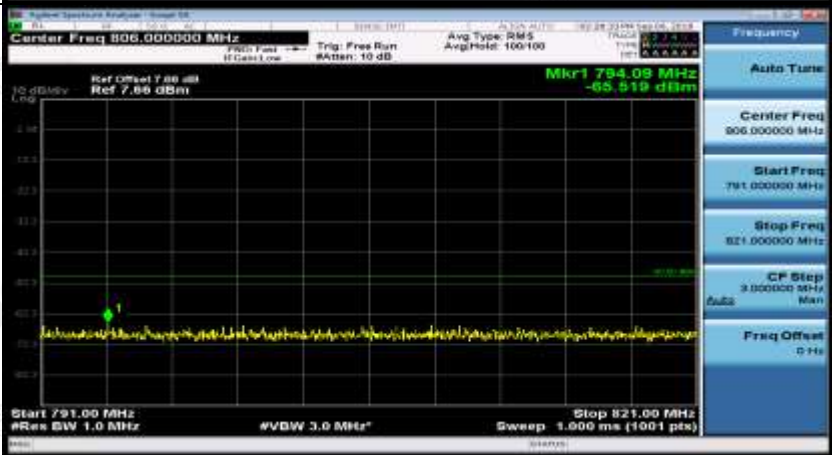
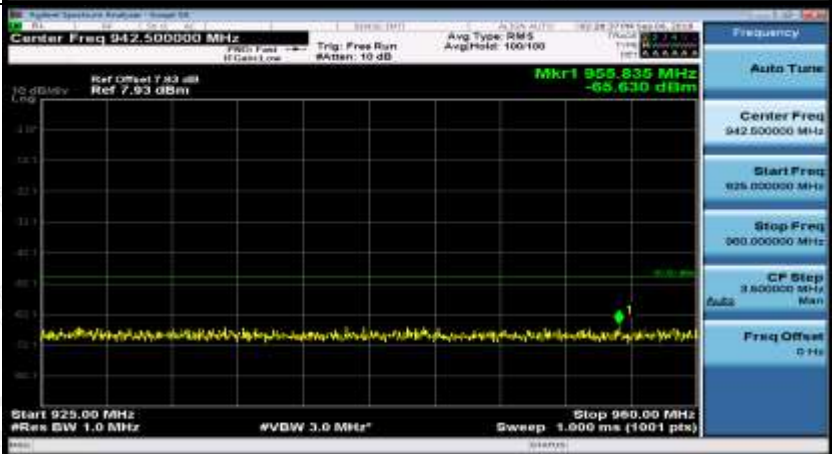
Co-existence	
Additional	NA

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

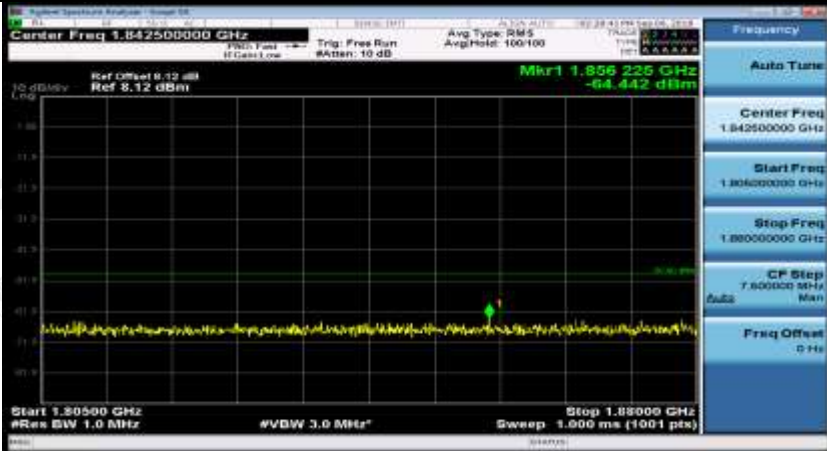
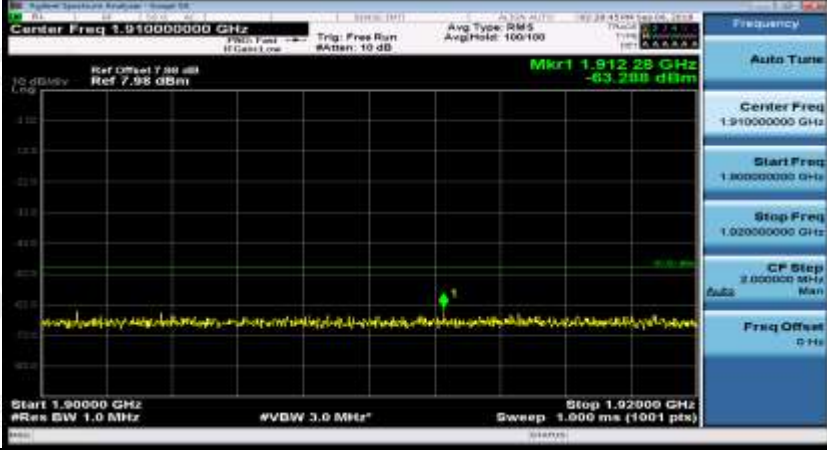
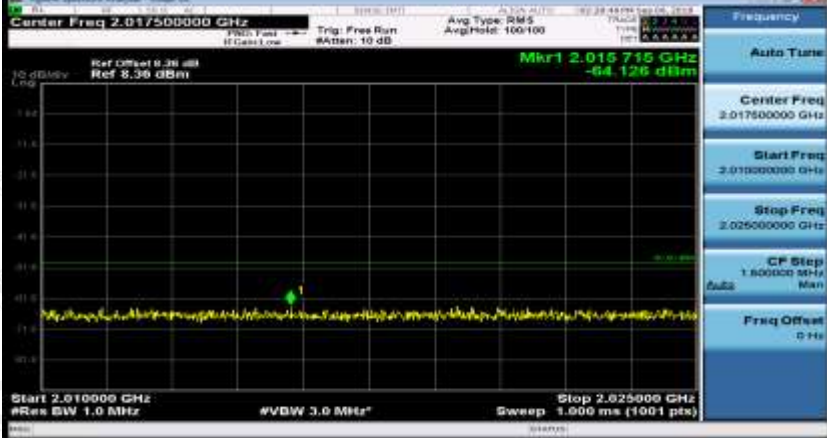
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General			
General			
General			

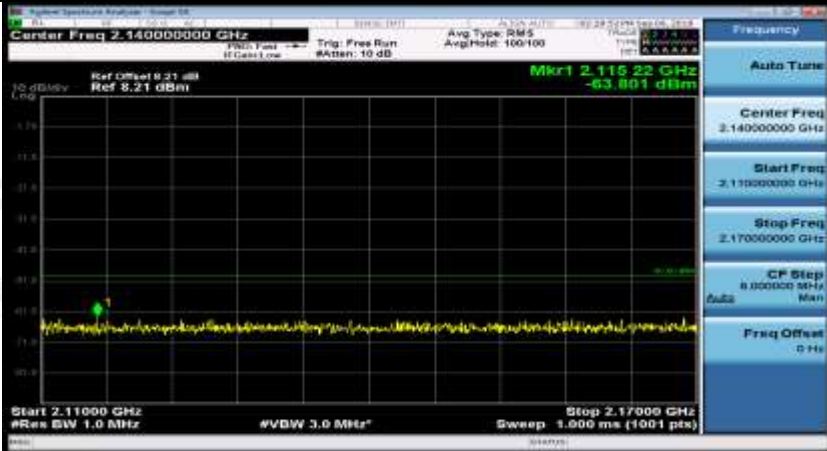
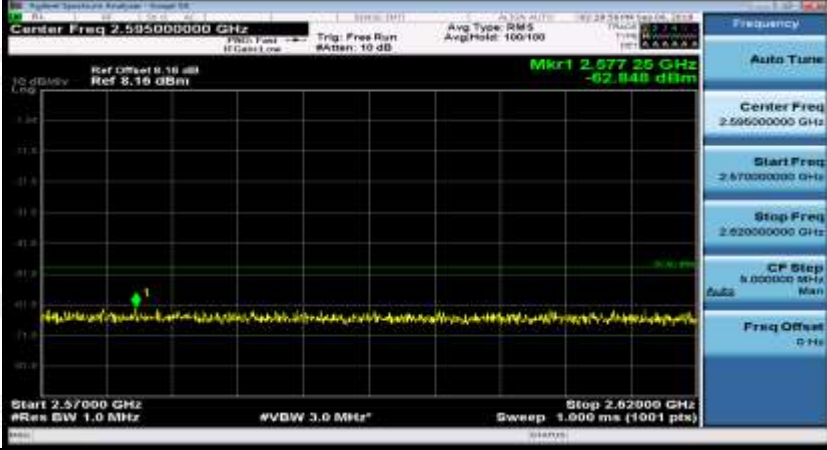
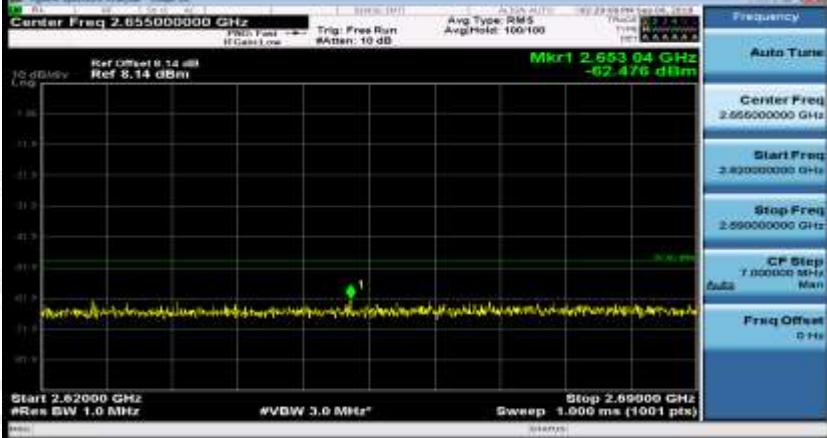
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General		
Co-existence		
Co-existence		

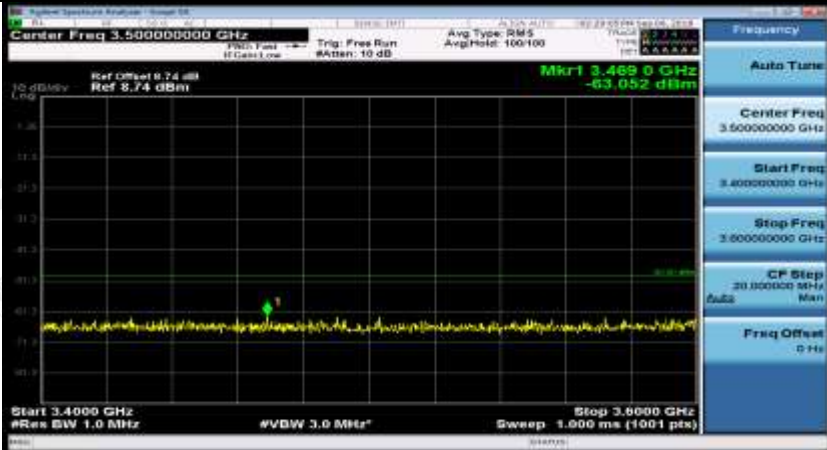
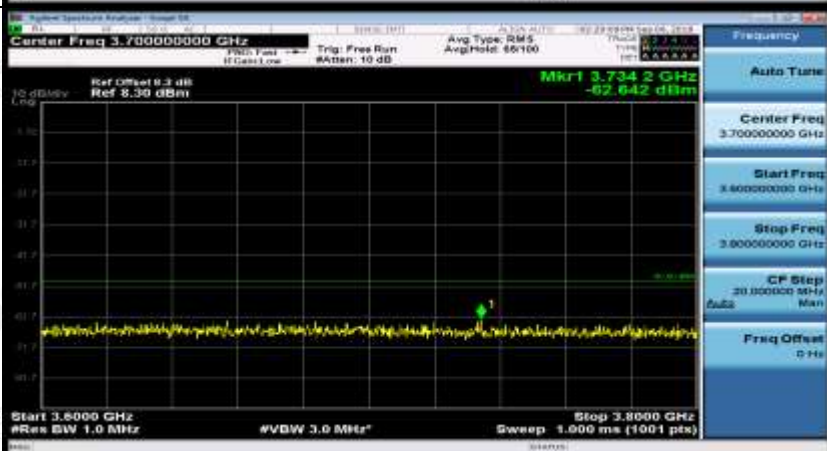
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

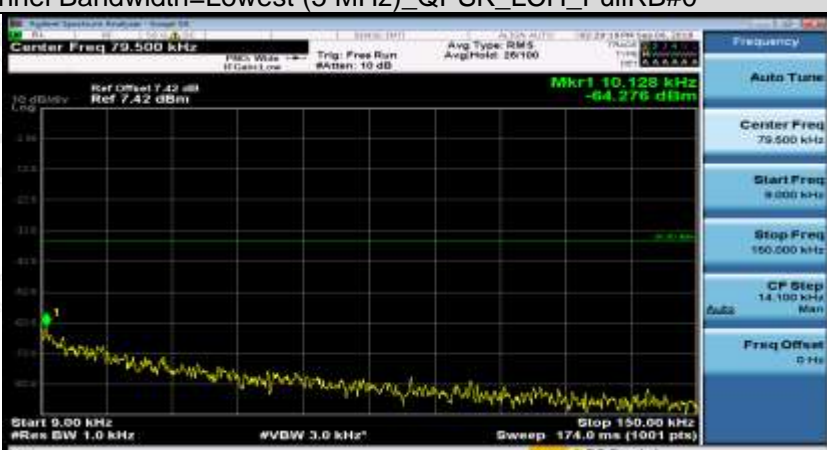
Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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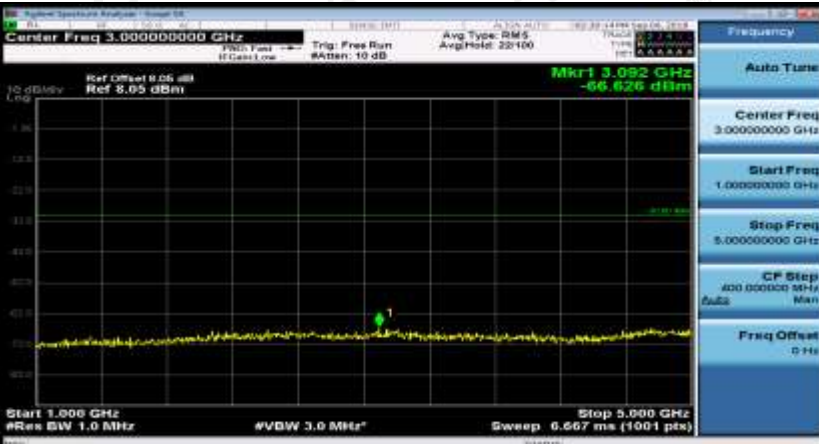
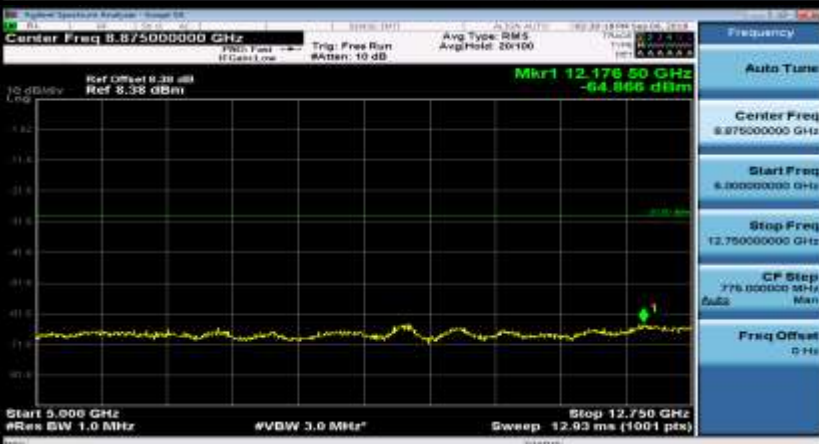

Co-existence	
Co-existence	
Additional	NA

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

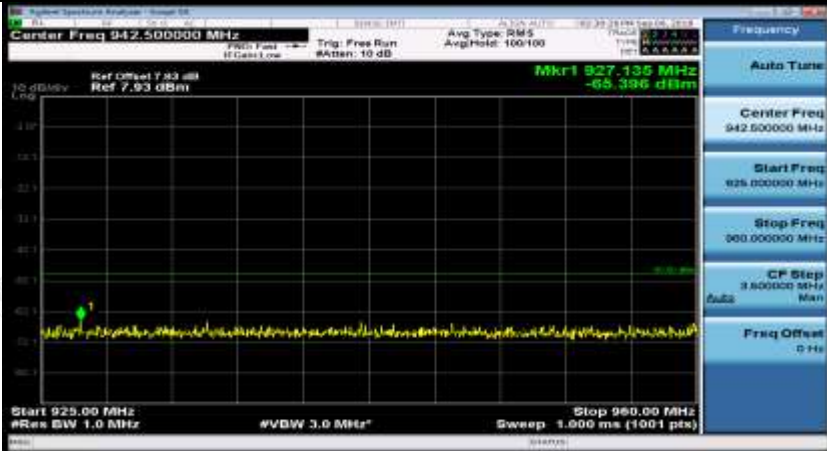
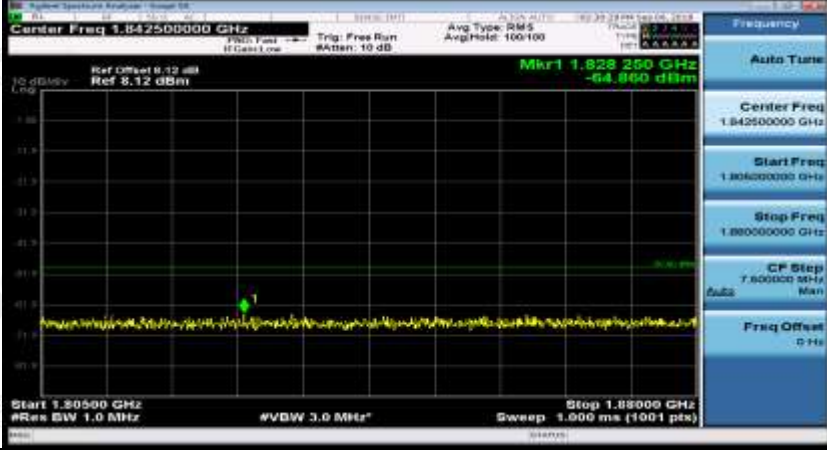
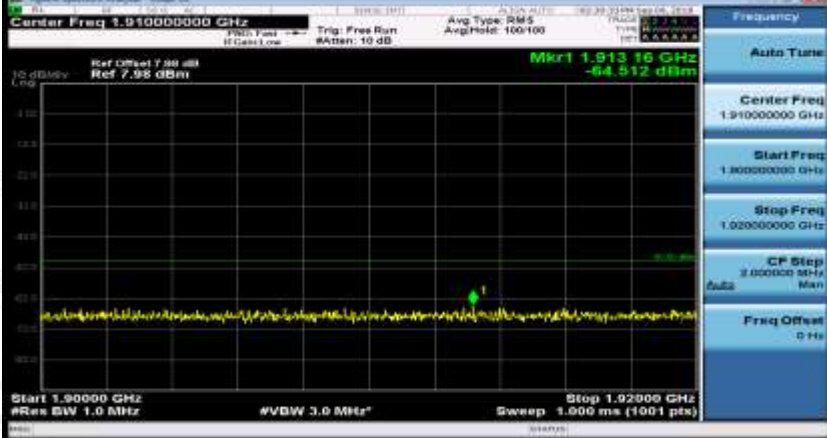
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General			
General			
General			

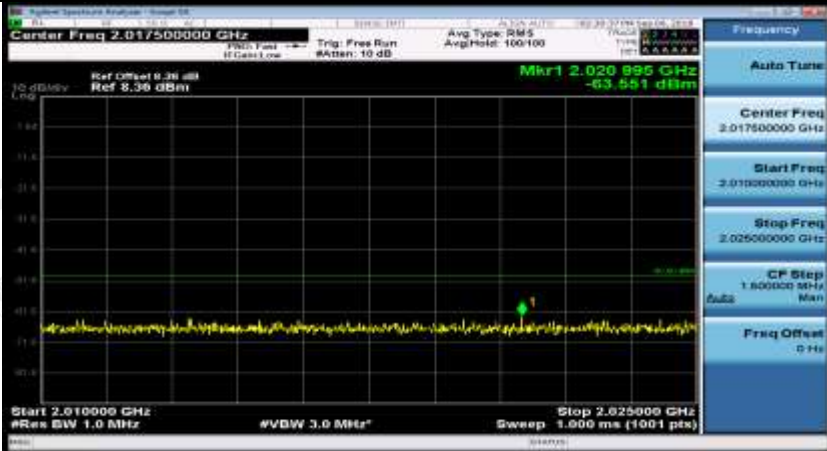
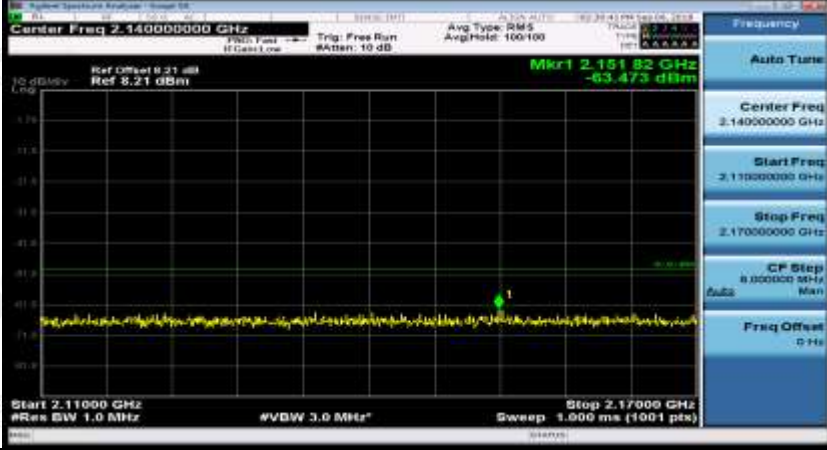
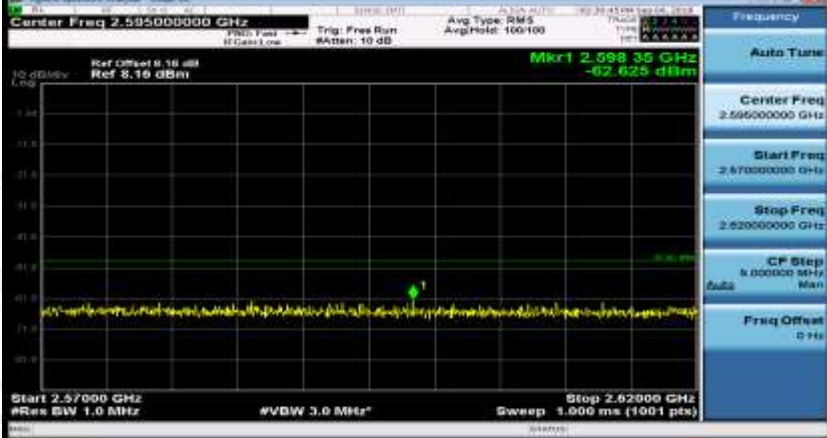
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General			
General			
Co-existence			

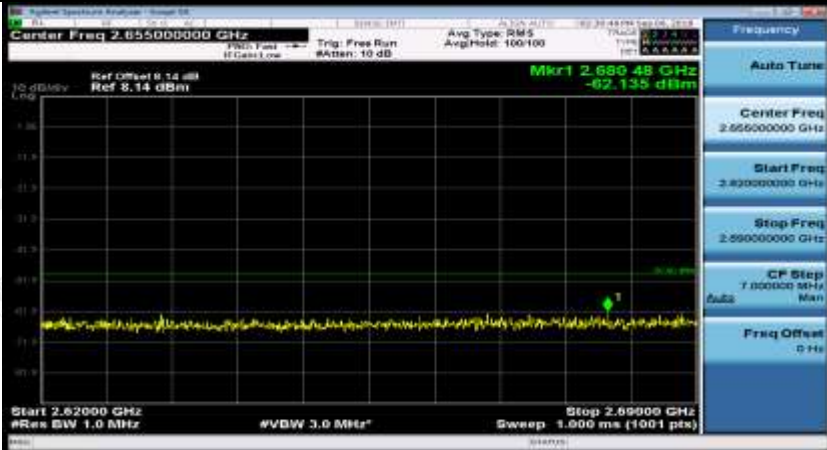
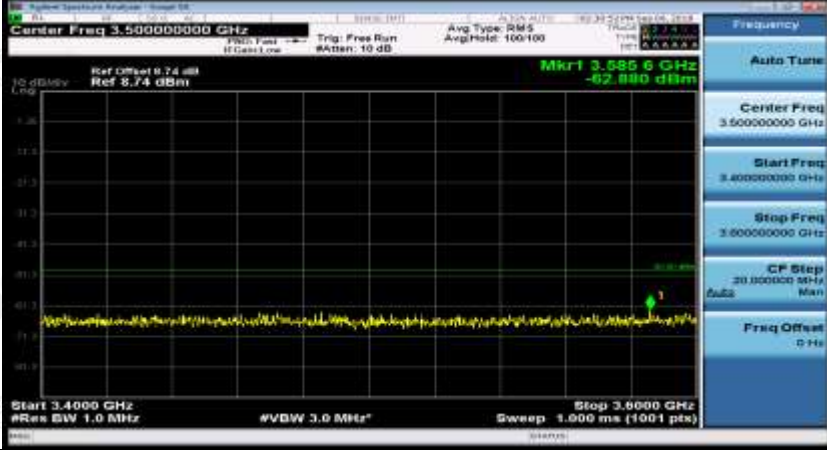

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Co-existence	
Co-existence	
Co-existence	

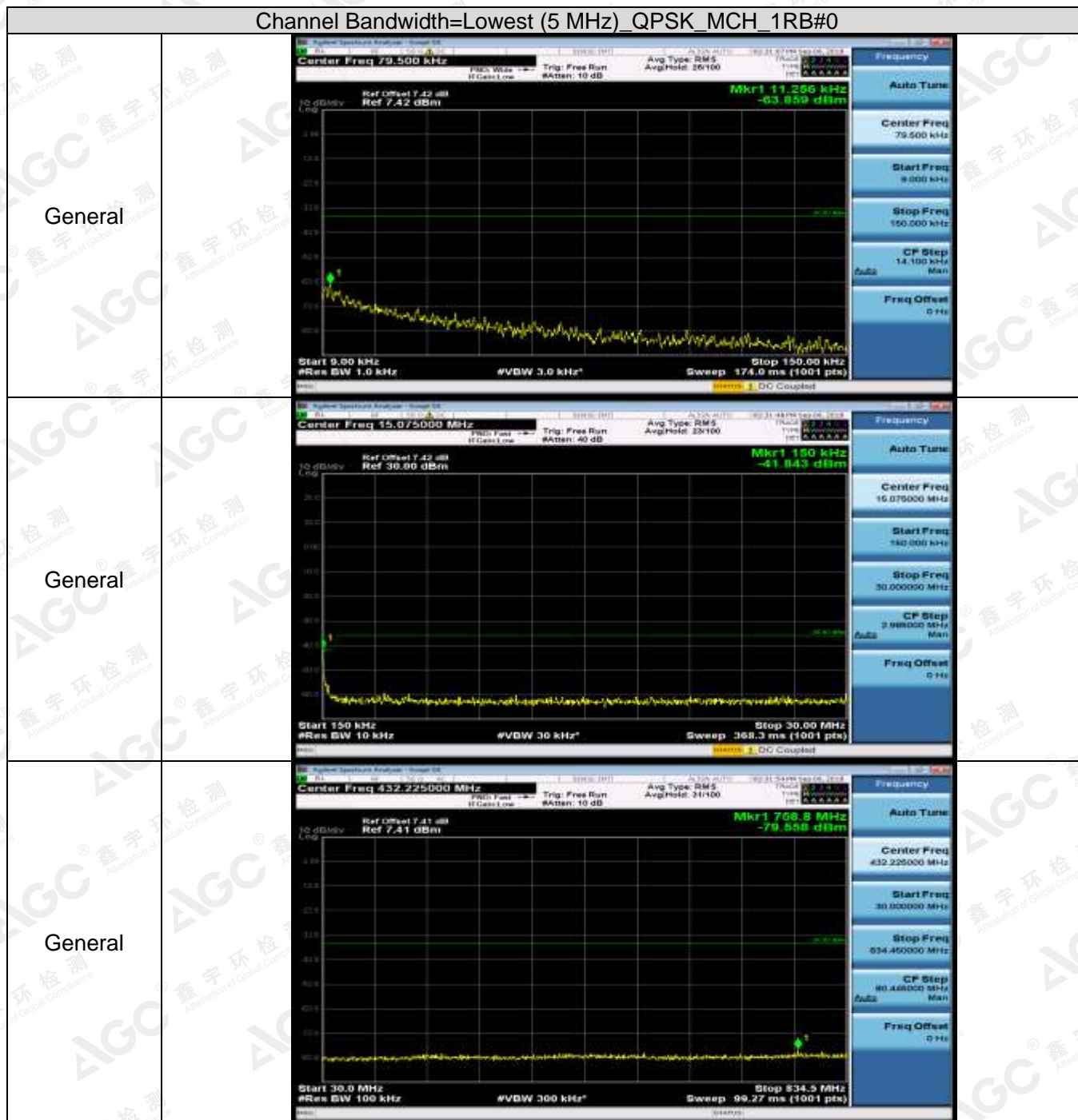
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Co-existence	
Co-existence	
Co-existence	

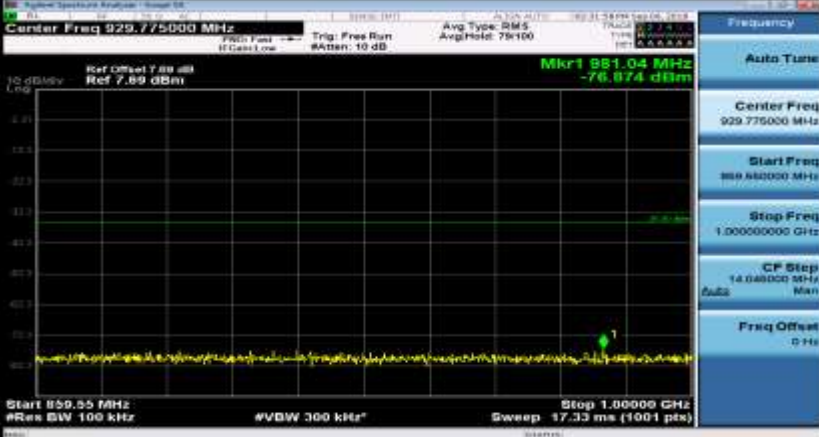


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Co-existence	
Co-existence	
Co-existence	
Additional	NA

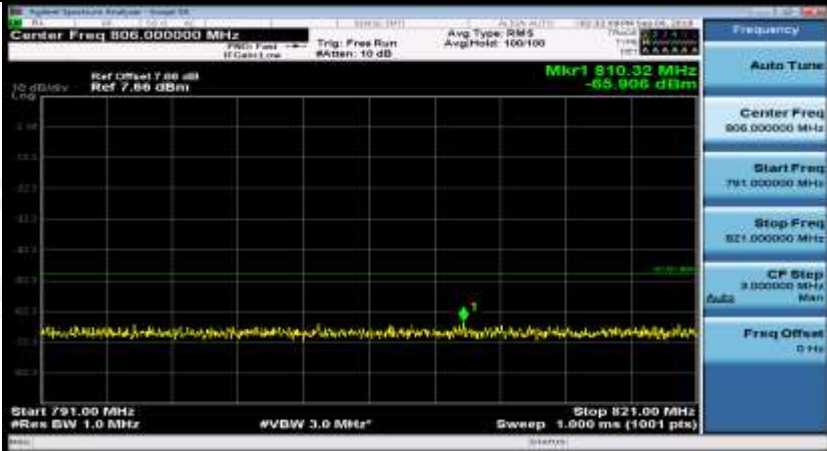
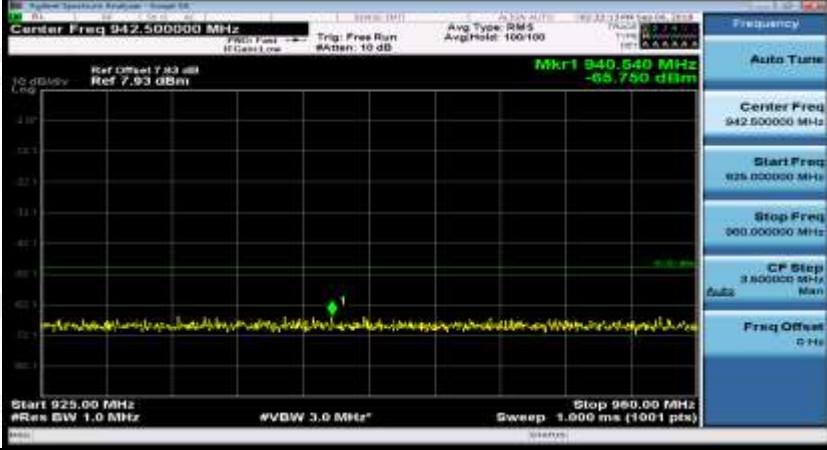
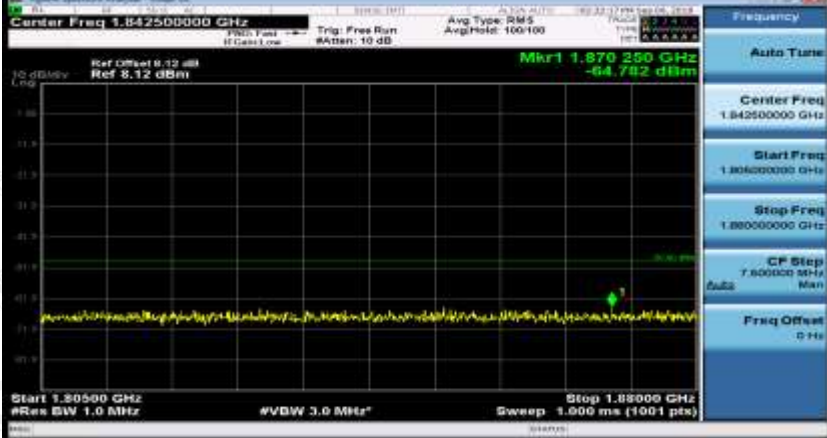
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General			
General			
General			

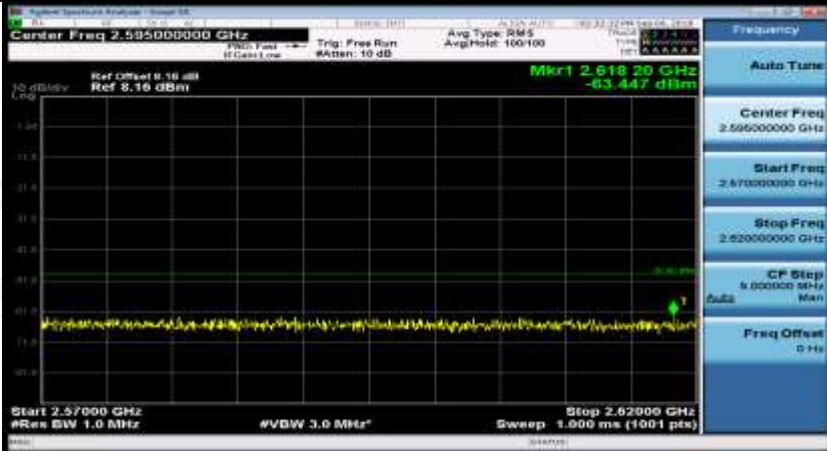
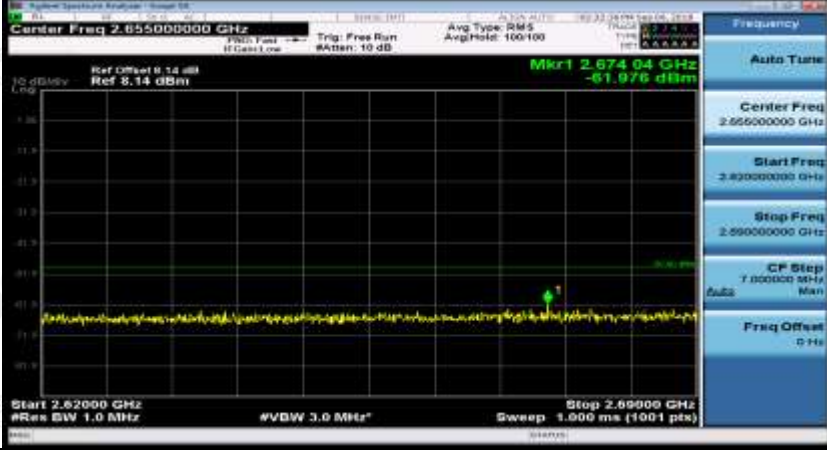
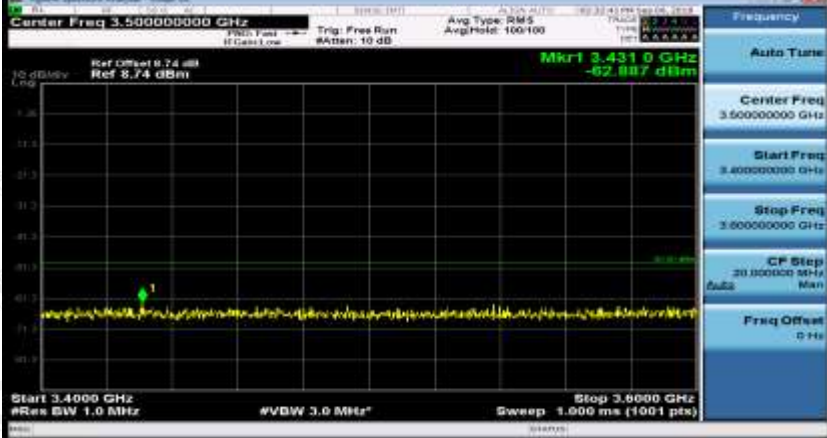
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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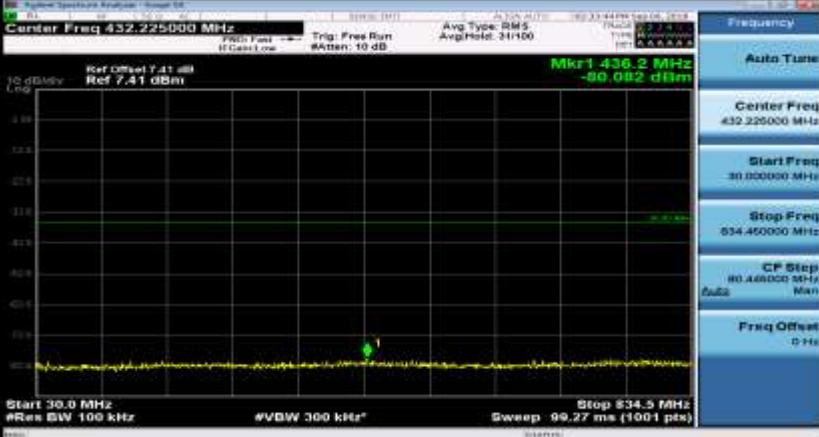
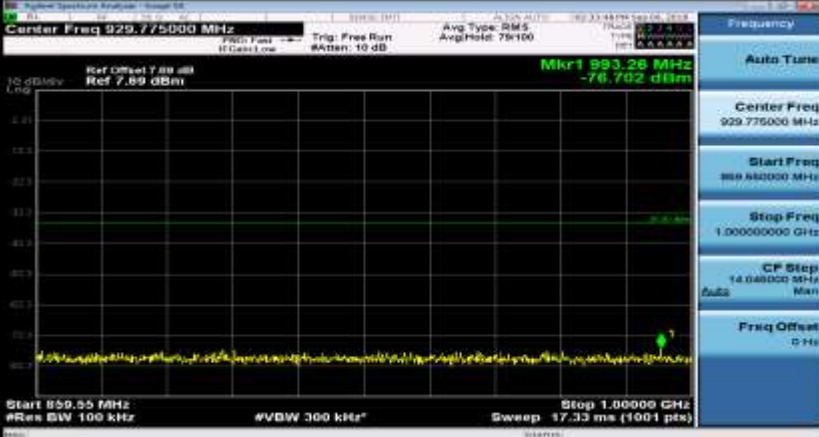

Co-existence	
Co-existence	
Co-existence	

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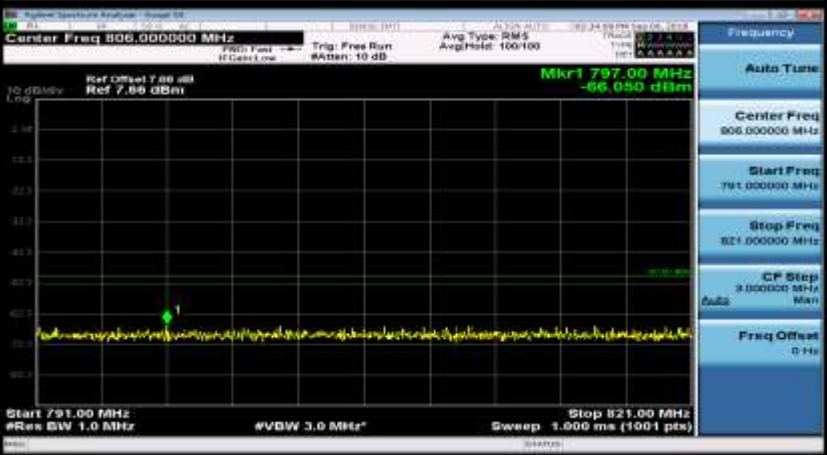
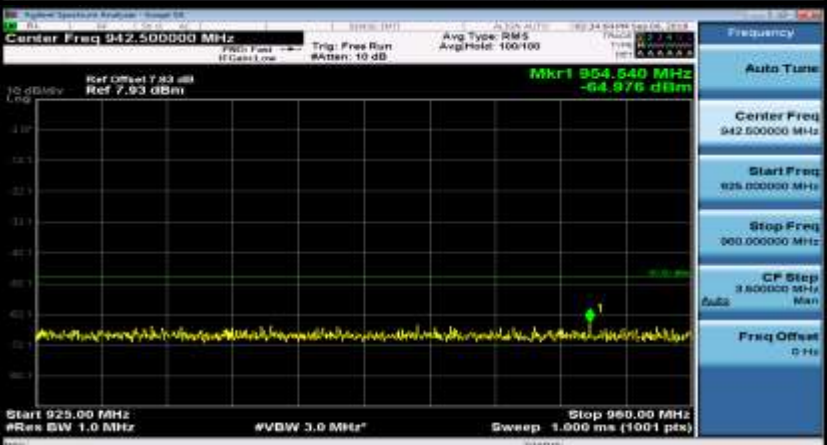
Co-existence	
Additional	NA

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

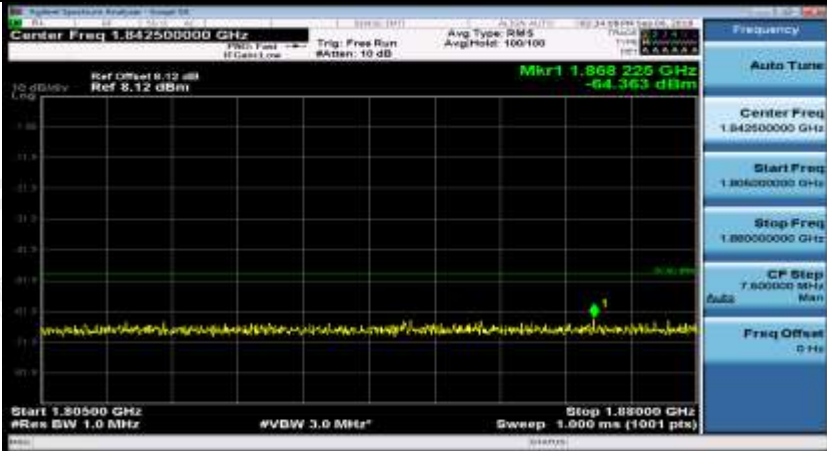
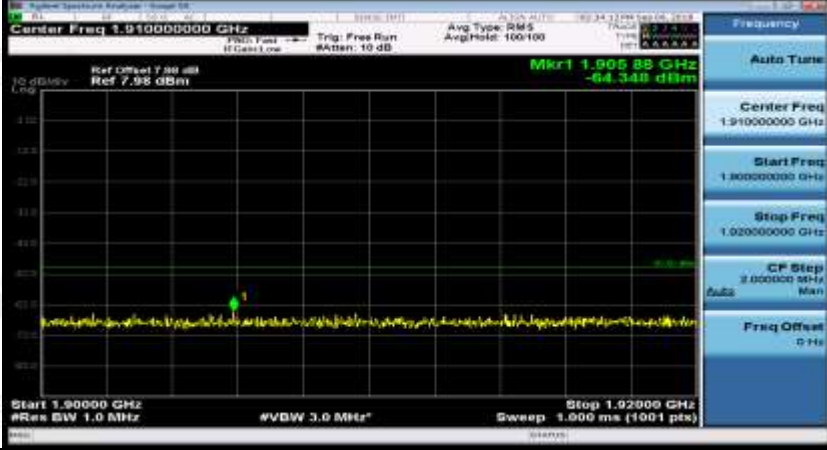
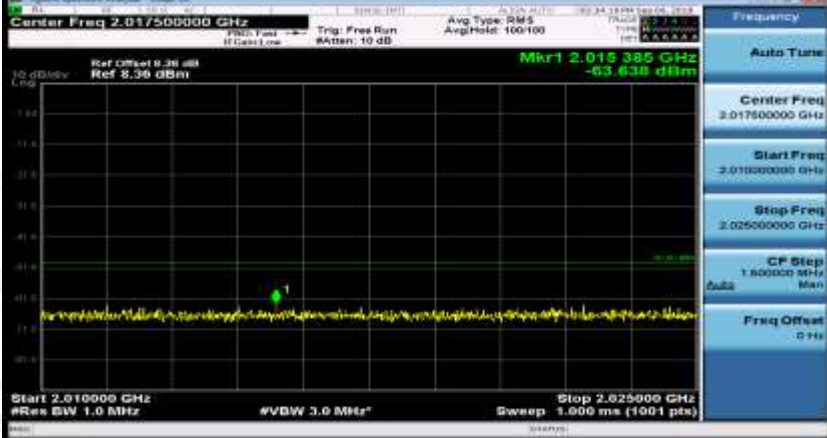
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General			
General			
General			

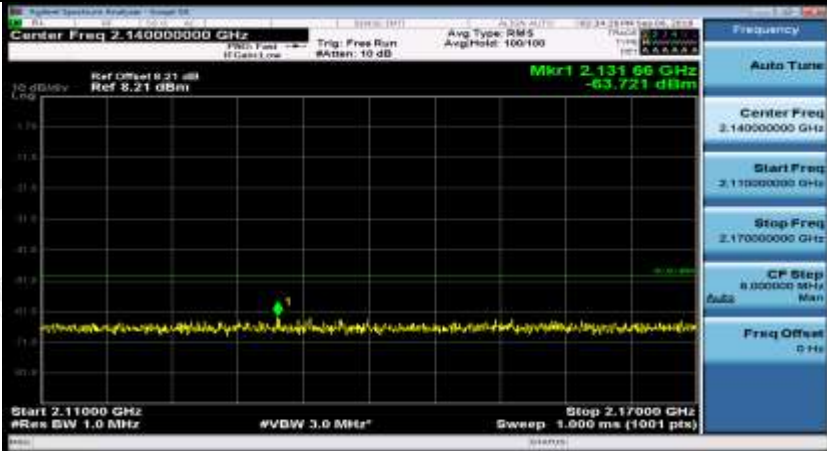
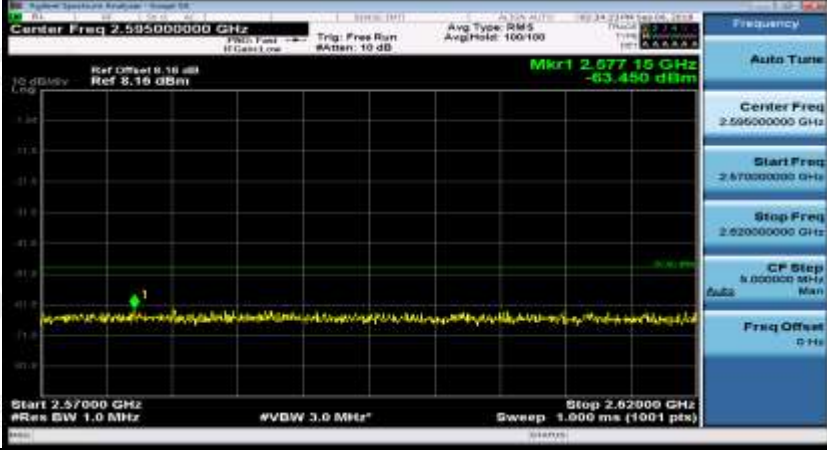

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General	
Co-existence	
Co-existence	


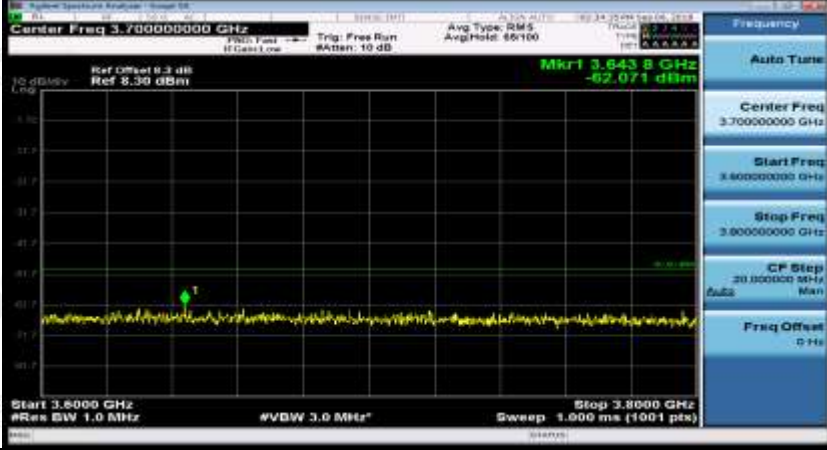
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Co-existence		
Co-existence		
Co-existence		

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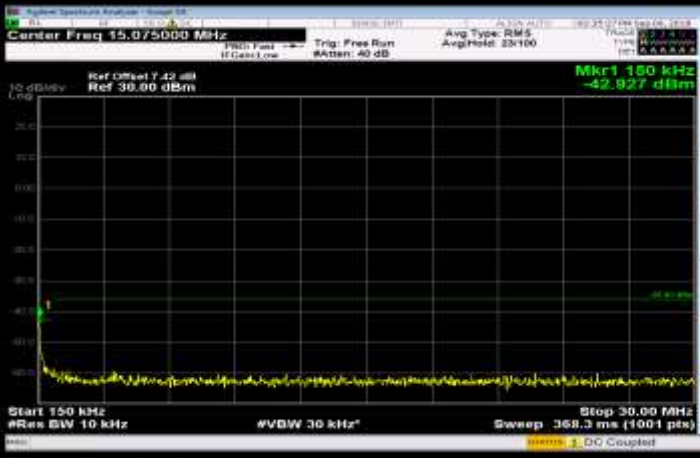
Co-existence	
Co-existence	
Co-existence	

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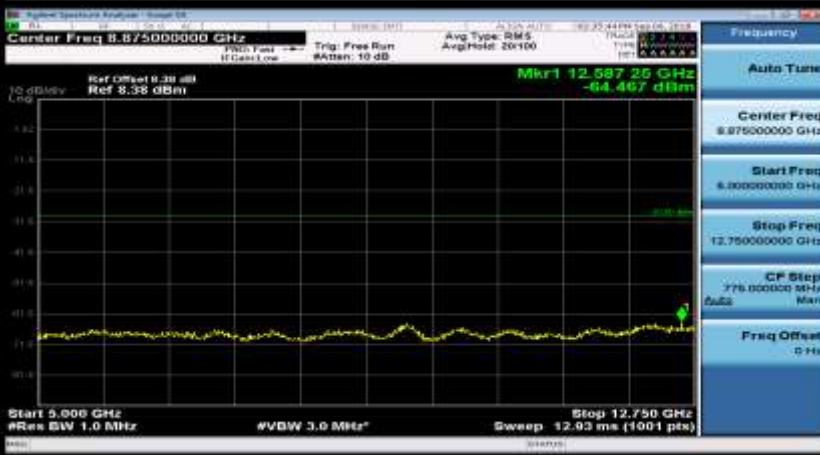
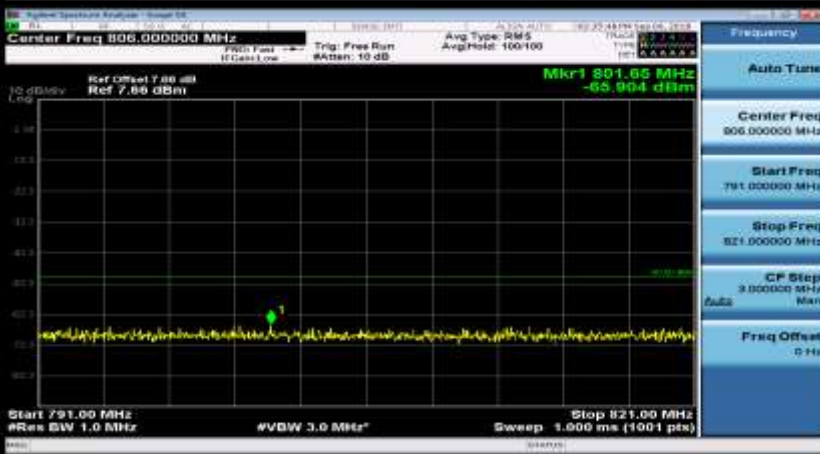
Co-existence	
Co-existence	
Additional	NA

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

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General		
General		
General		

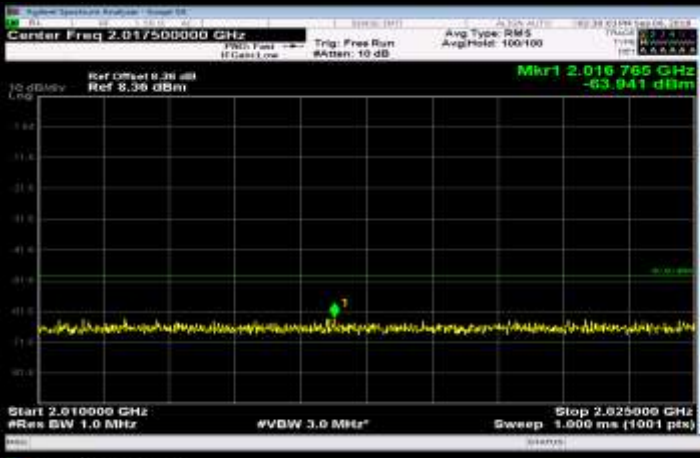
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General		
General		
Co-existence		

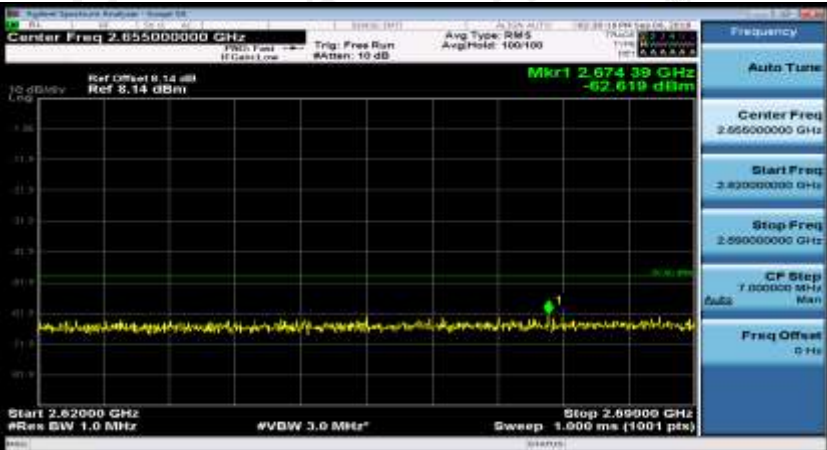
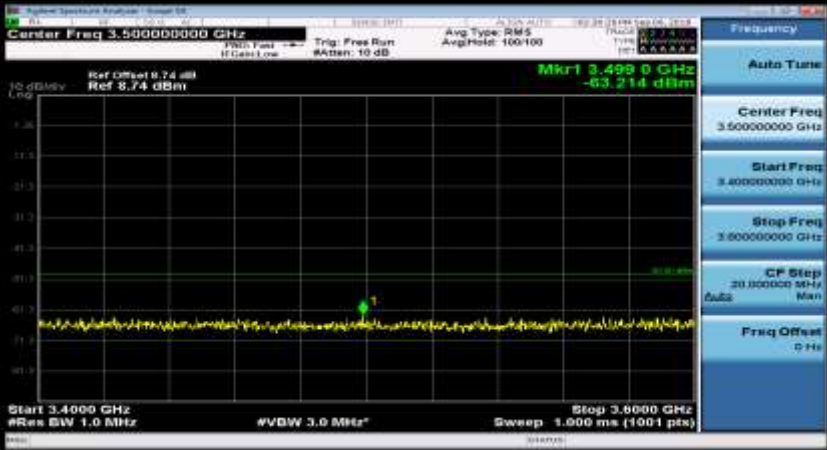
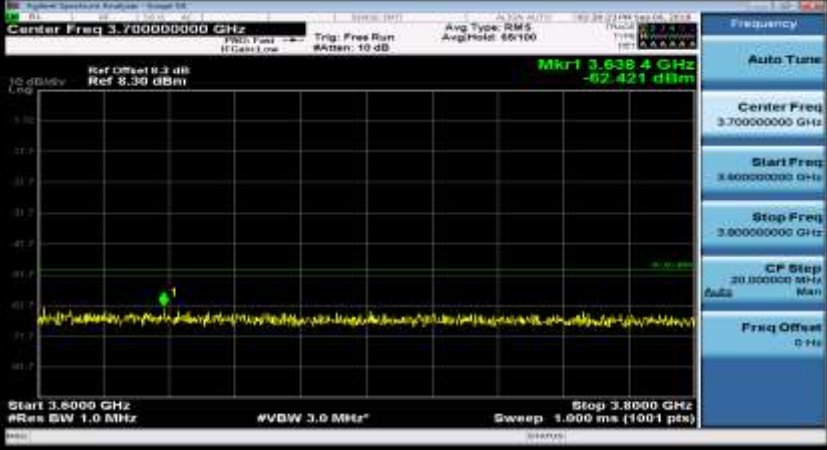
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Co-existence	
Co-existence	
Co-existence	

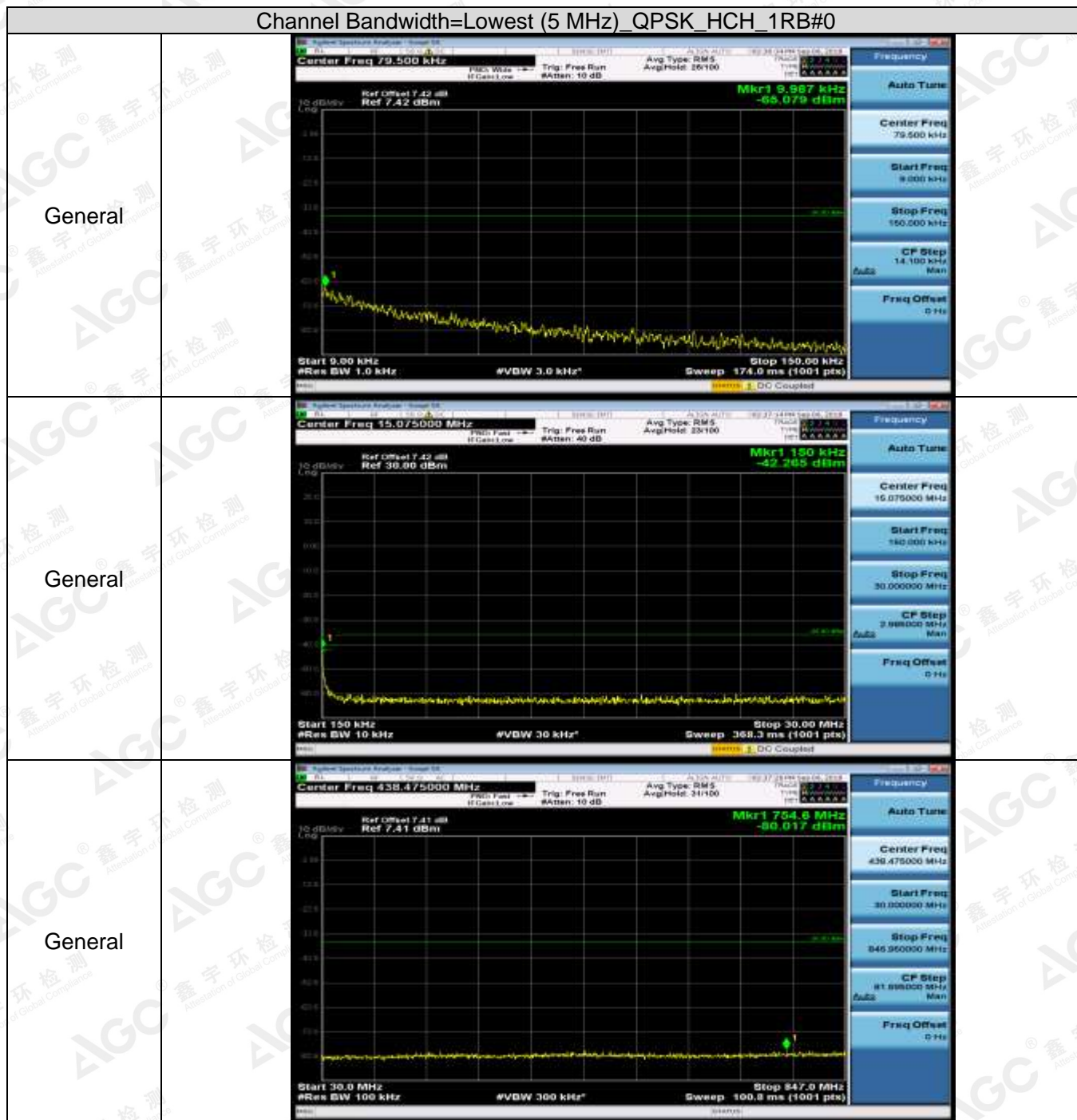
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Co-existence		
Co-existence		
Co-existence		

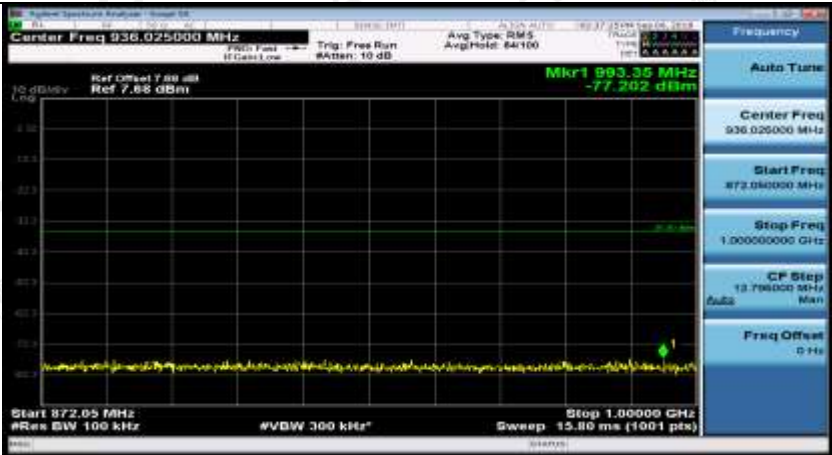
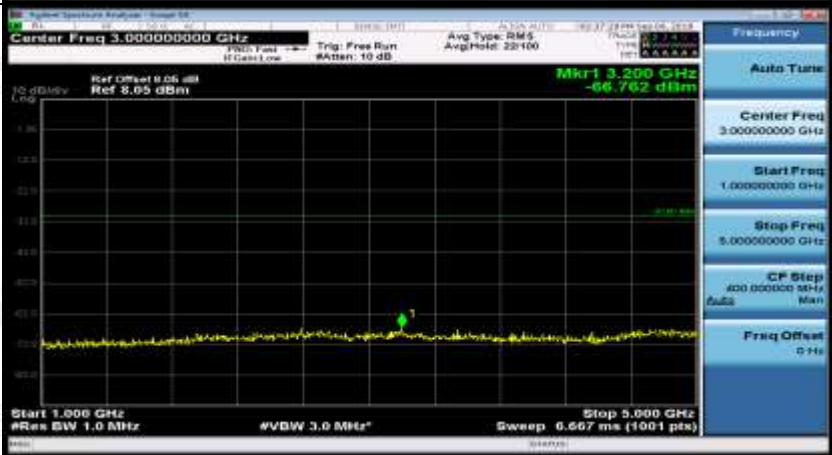

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Co-existence	
Co-existence	
Co-existence	
Additional	NA

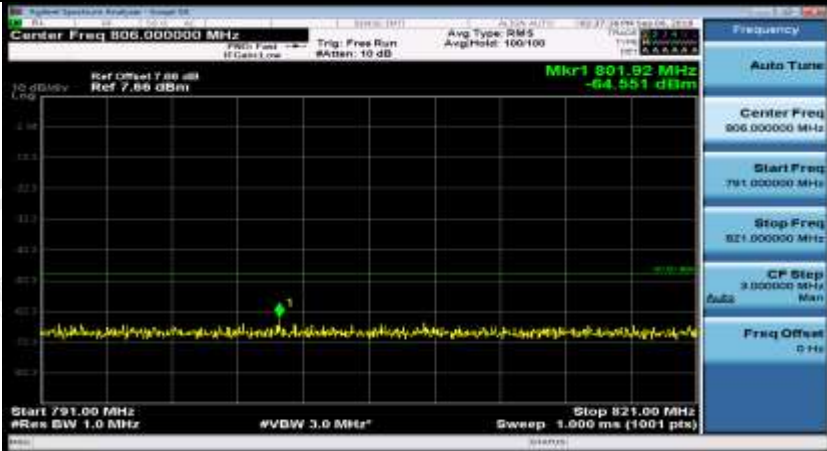
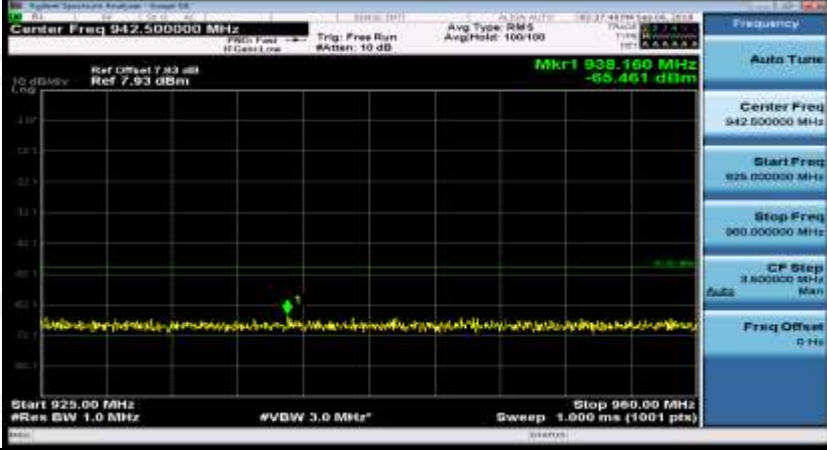
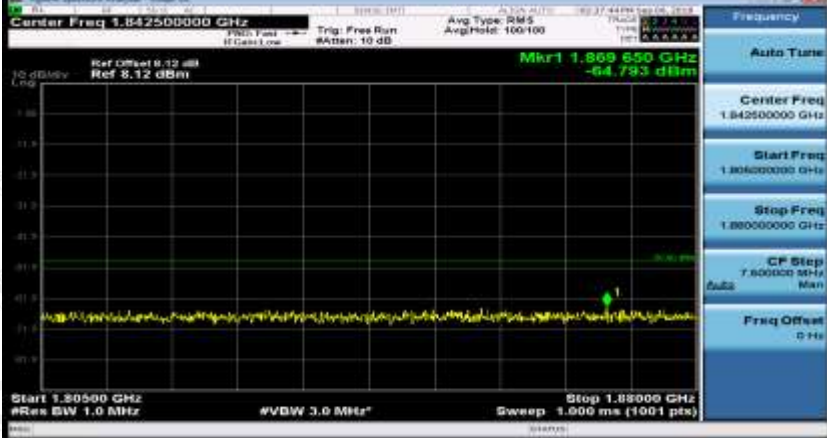
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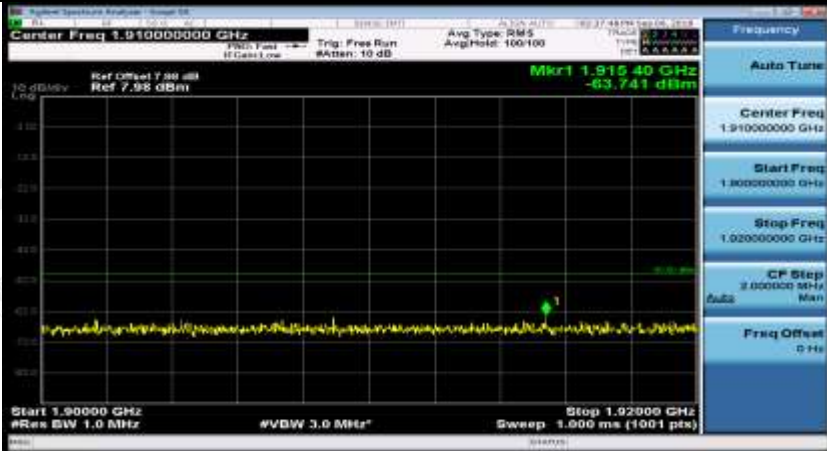
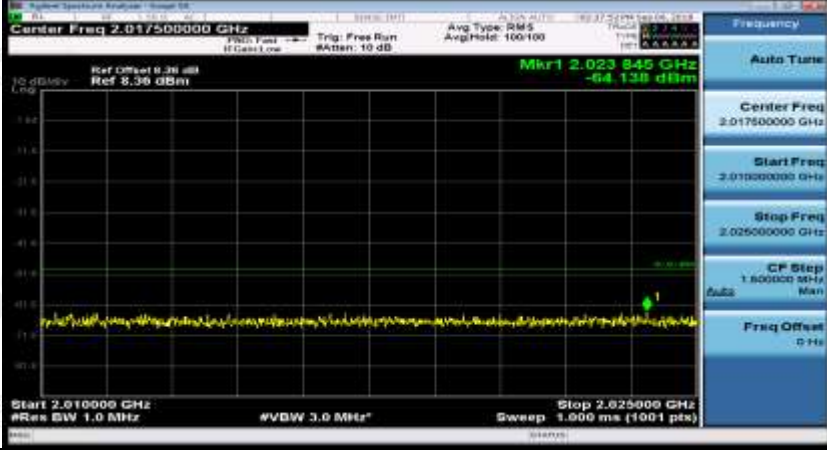
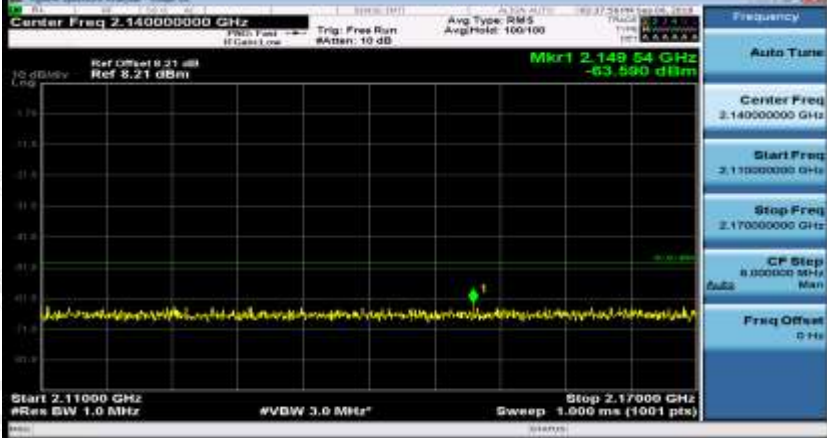
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General		
General		
General		

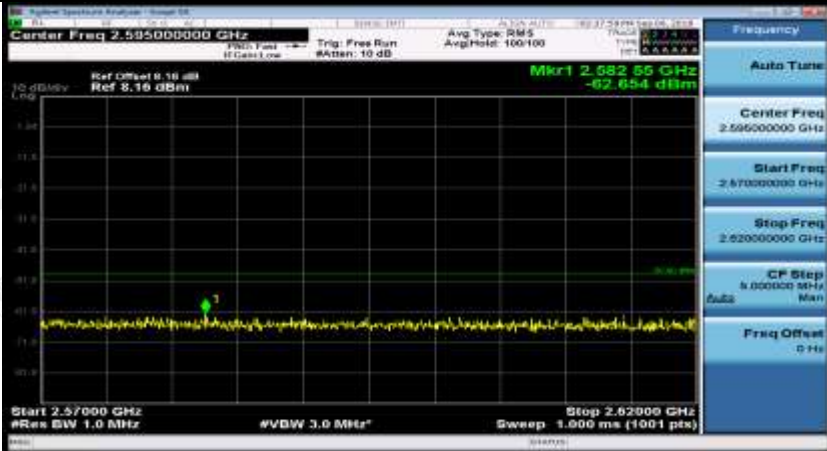
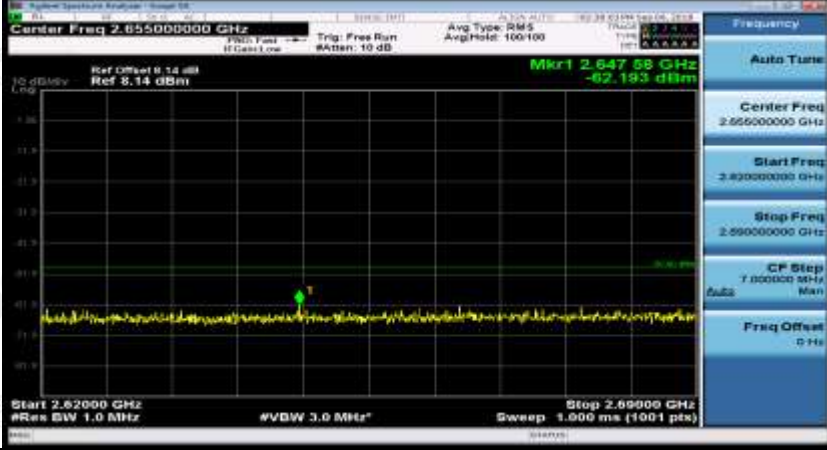
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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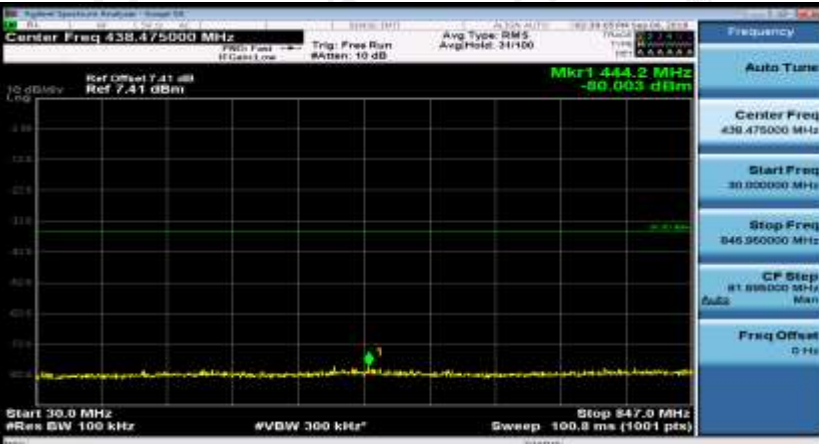
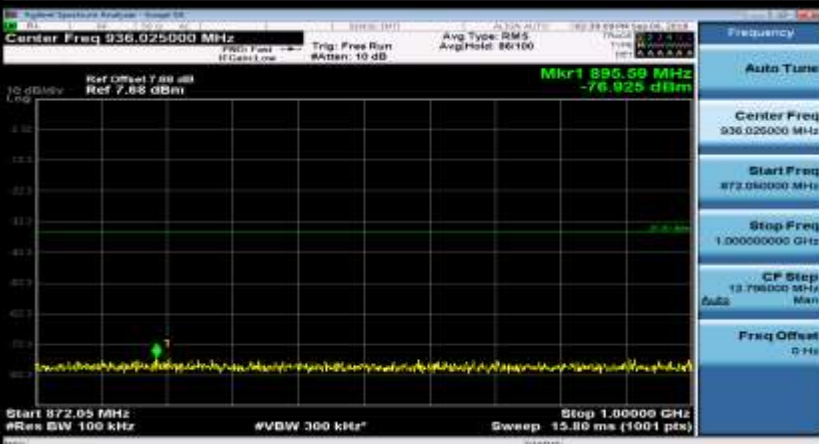
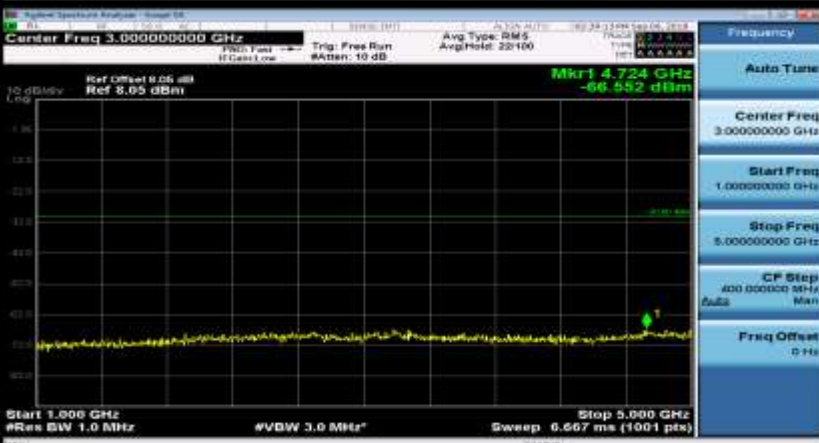
Co-existence		
Co-existence		
Co-existence		

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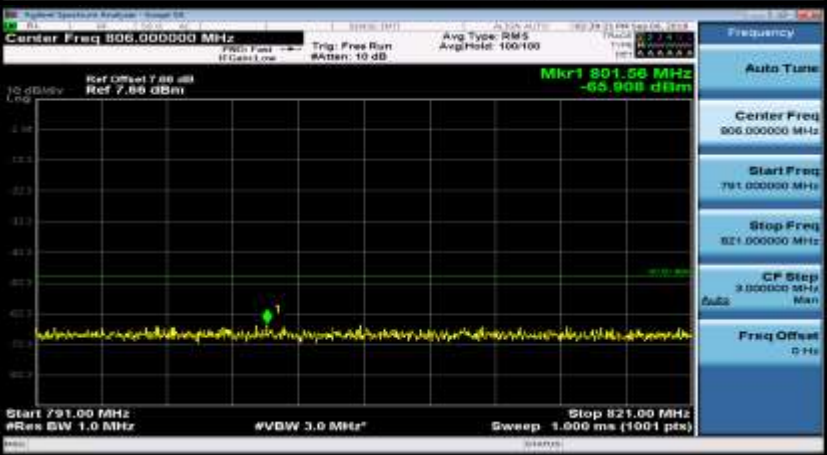
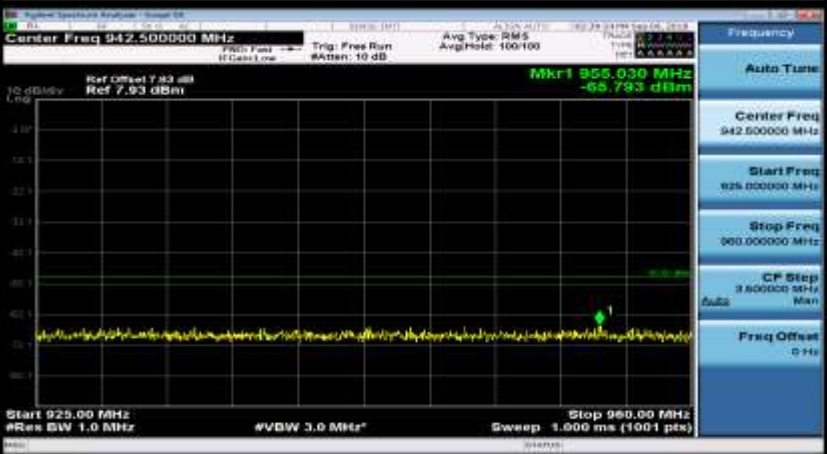
Co-existence	
Additional	NA

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

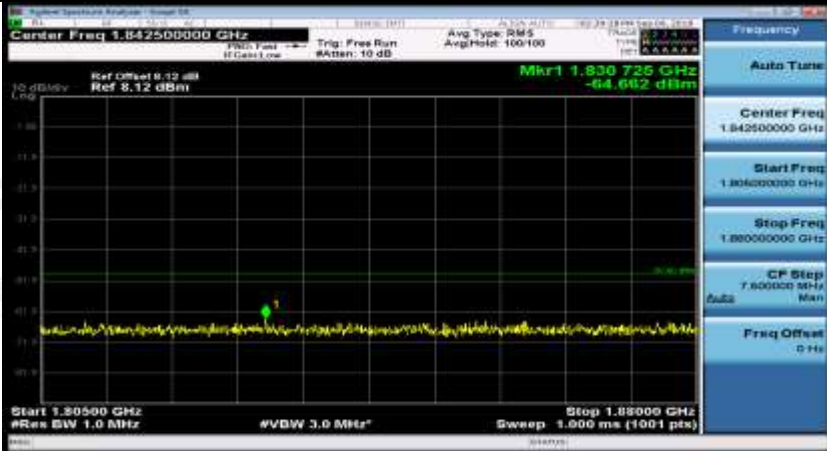
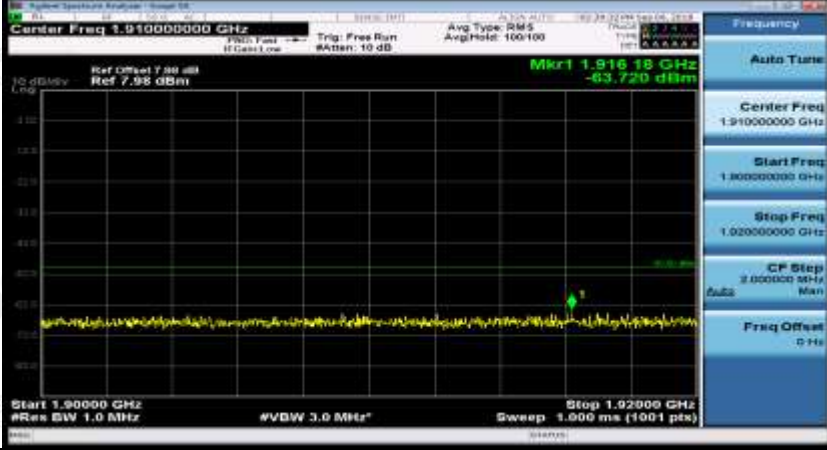
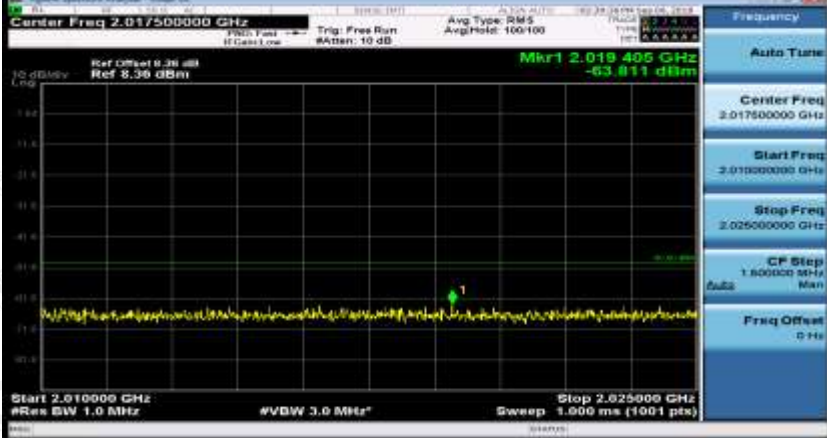
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General			
General			
General			

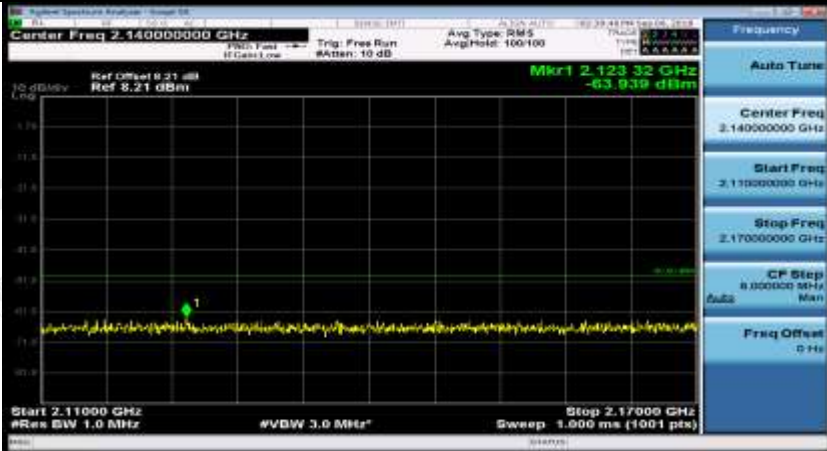
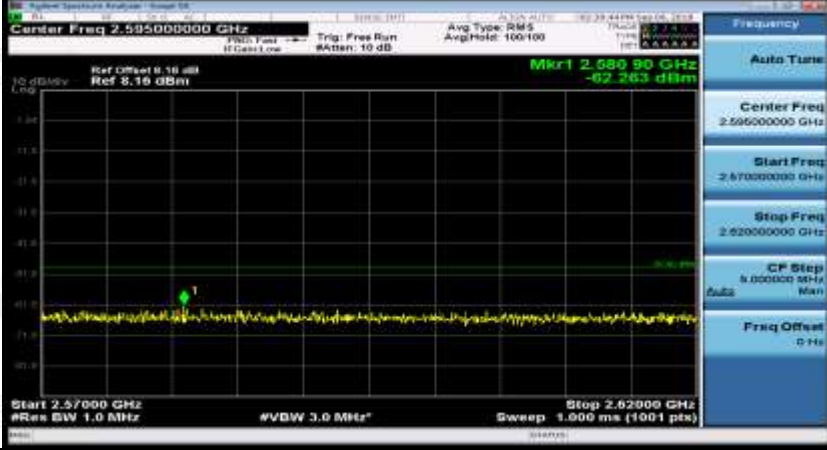

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General		
Co-existence		
Co-existence		

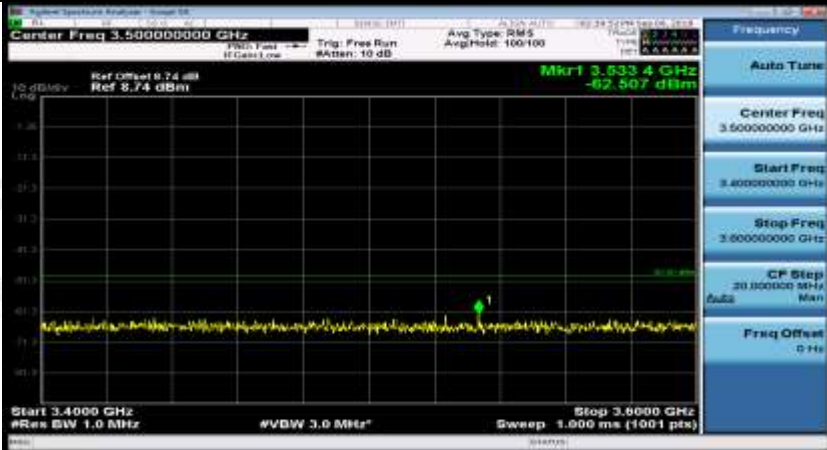
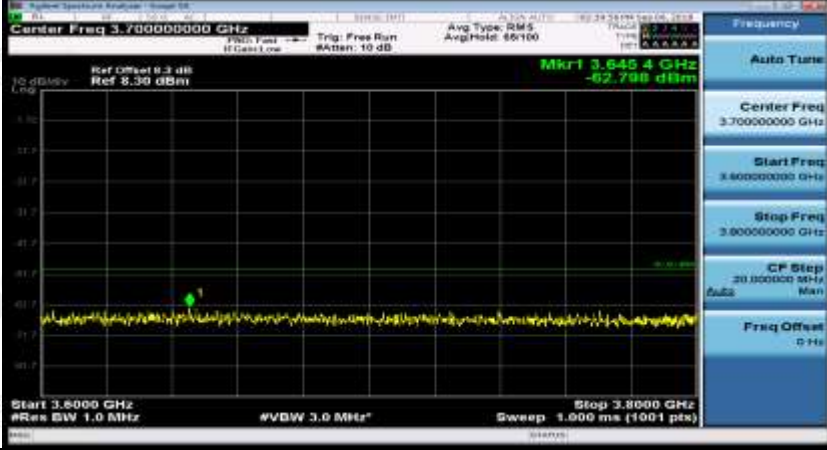
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Co-existence	
Co-existence	
Co-existence	

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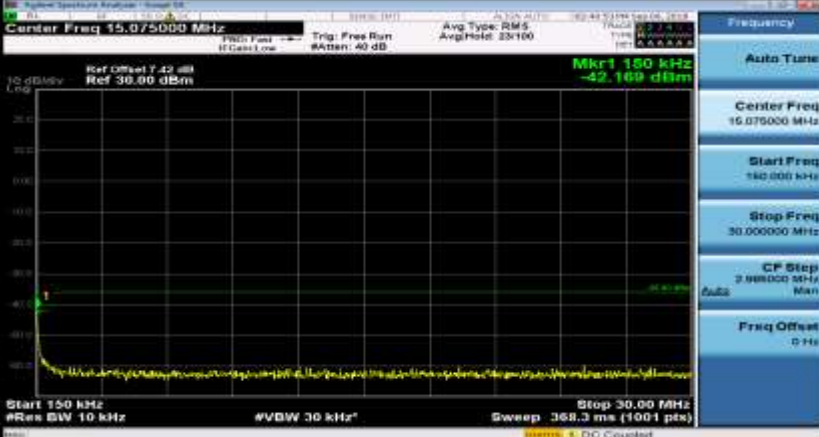
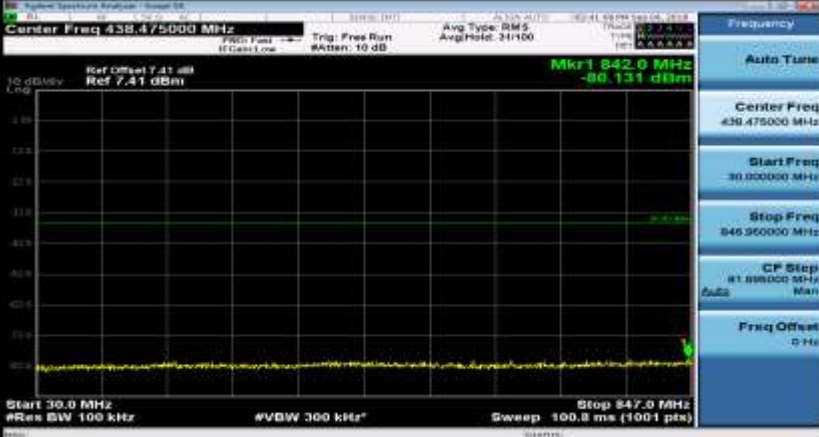
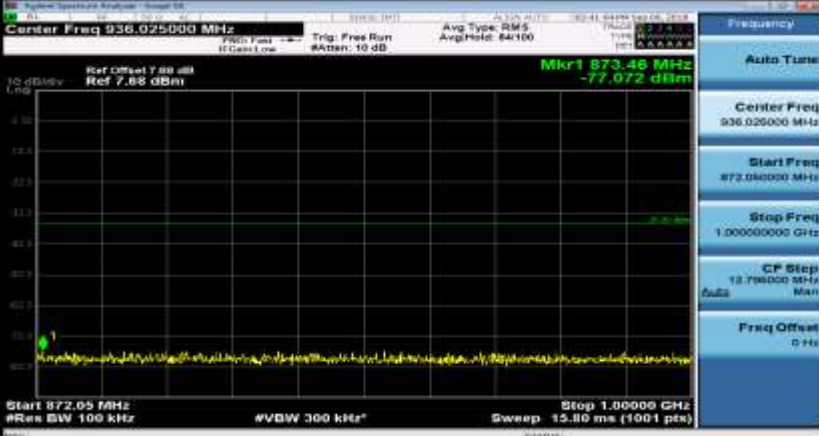
Co-existence	
Co-existence	
Co-existence	

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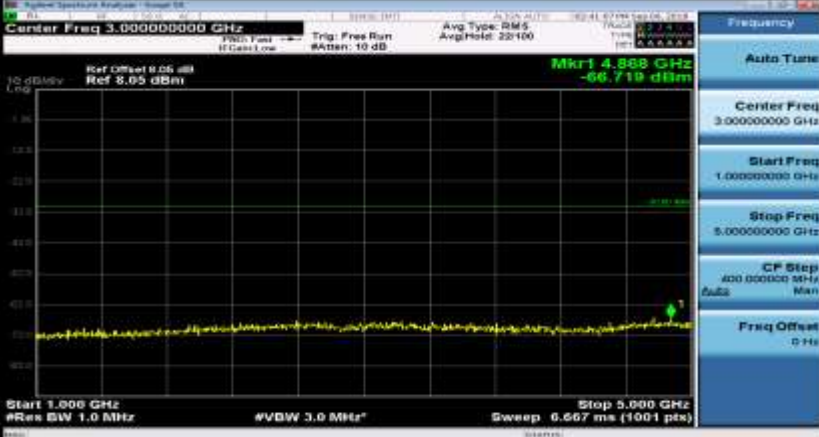


Co-existence	
Co-existence	
Additional	NA

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

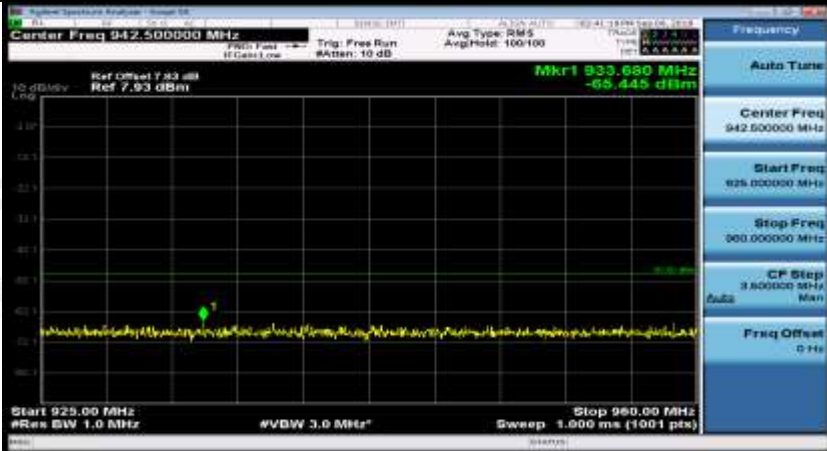
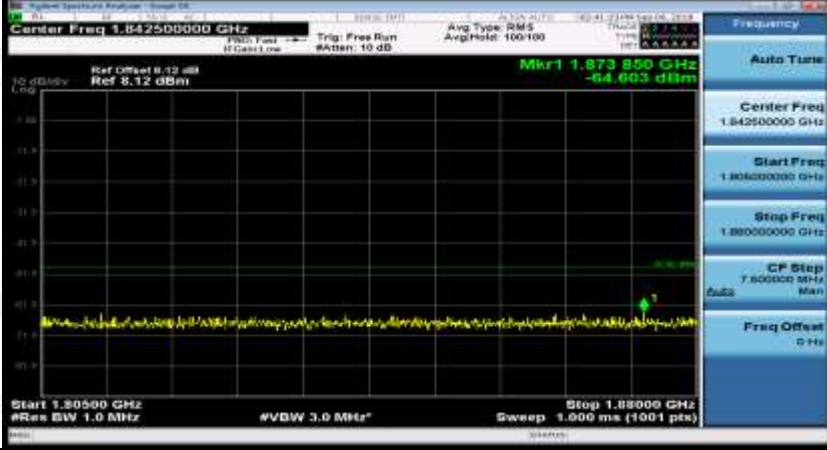
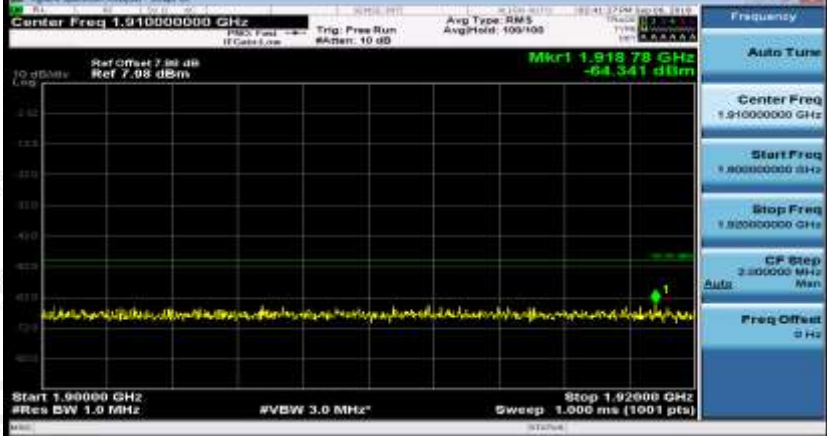
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General			
General			
General			

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General			
General			
Co-existence			

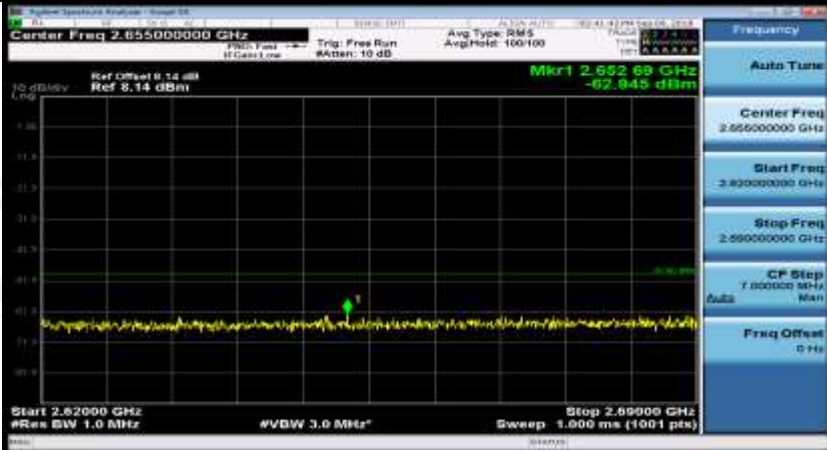
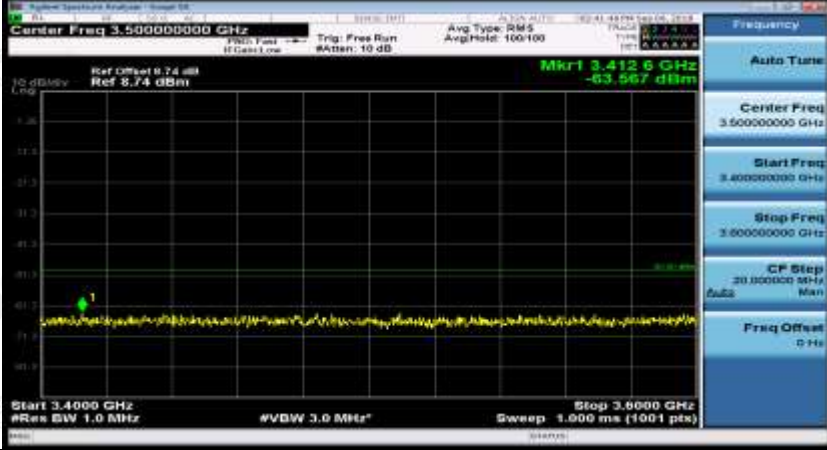
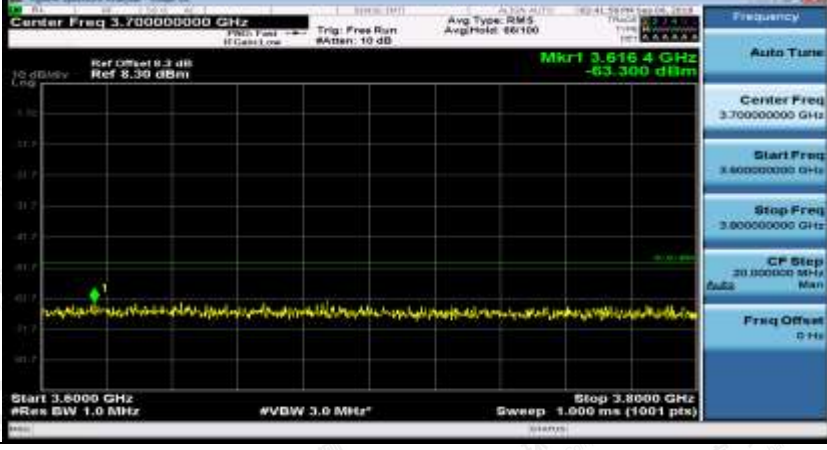
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Co-existence	
Co-existence	
Co-existence	

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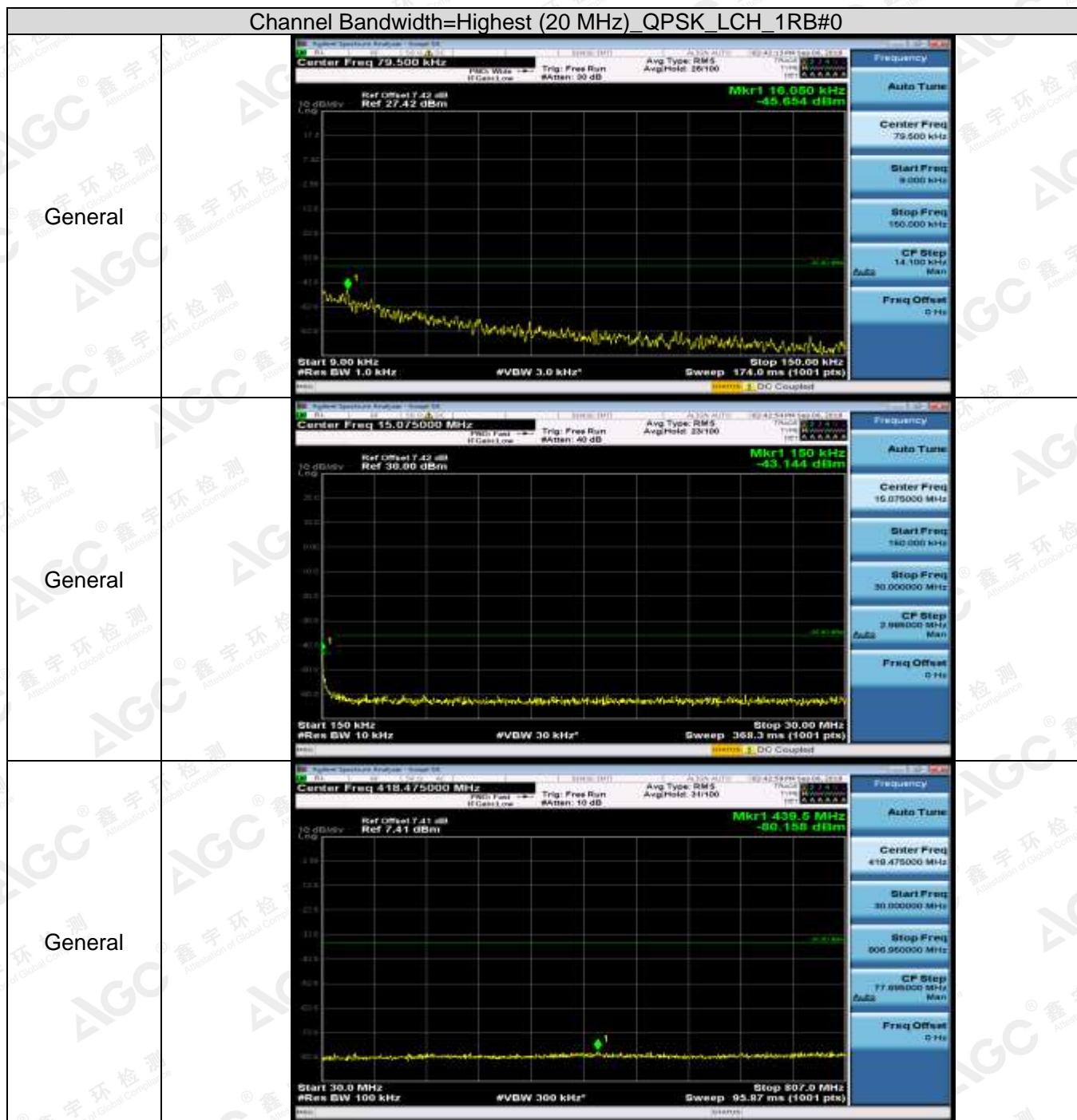
Co-existence	
Co-existence	
Co-existence	

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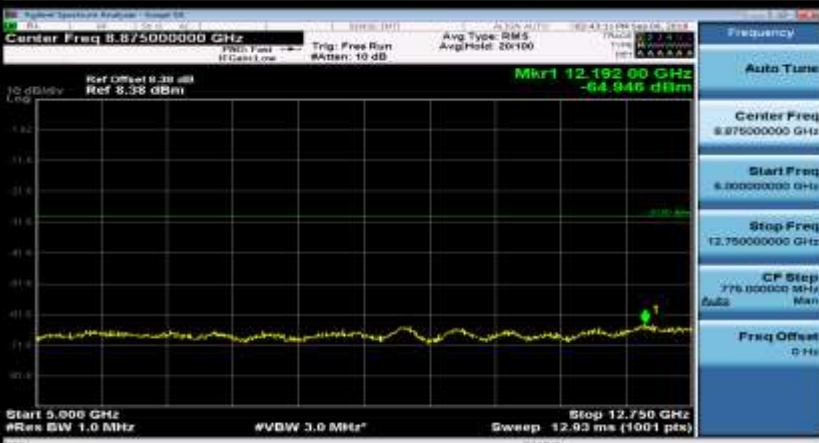
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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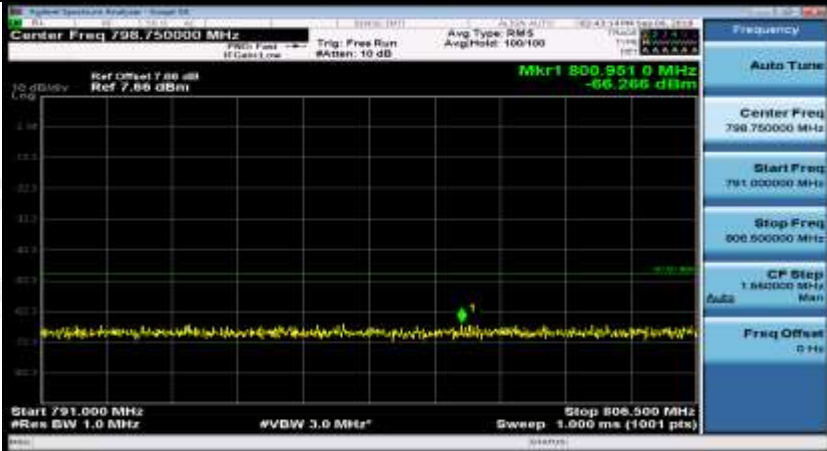
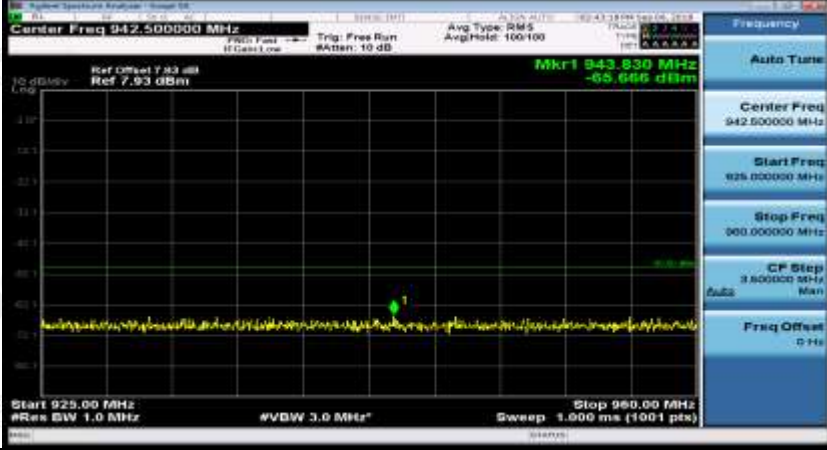
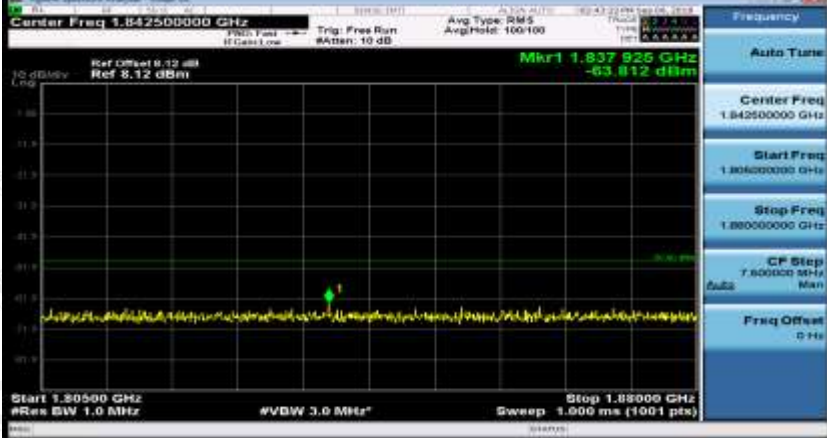
Channel Bandwidth= (20 MHz)



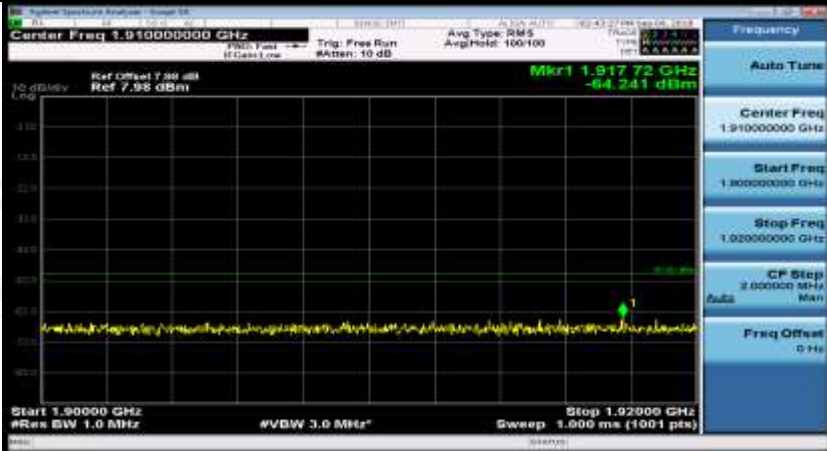
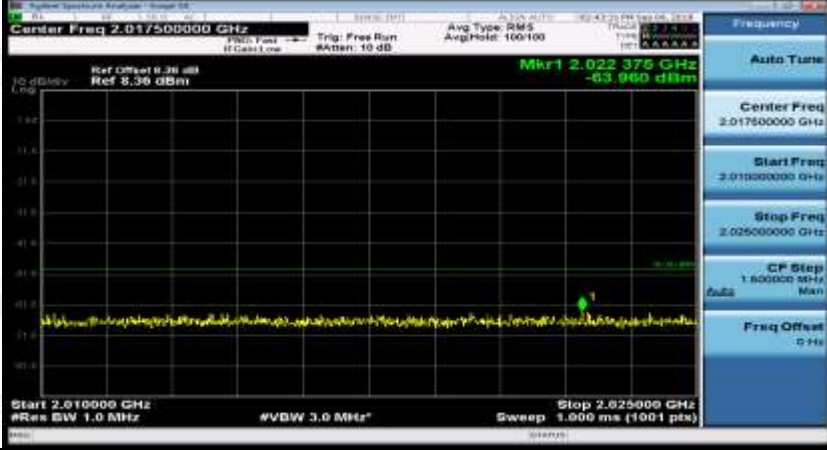

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General			
General			
General			

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Co-existence	
Co-existence	
Co-existence	

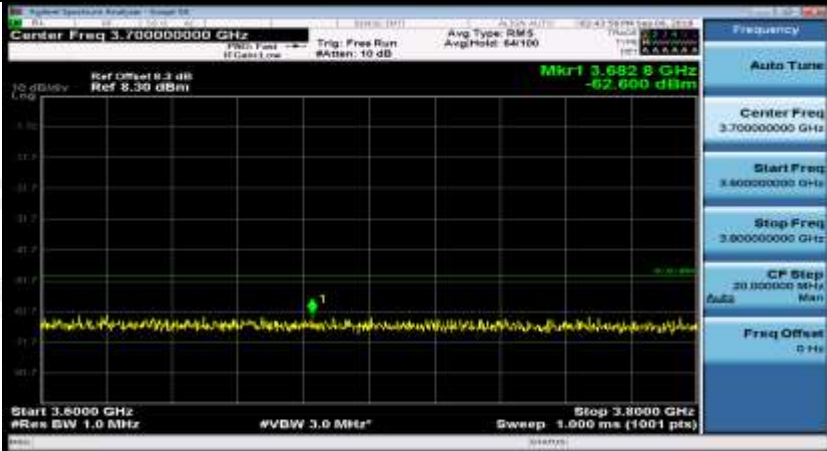
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Co-existence		
Co-existence		
Co-existence		

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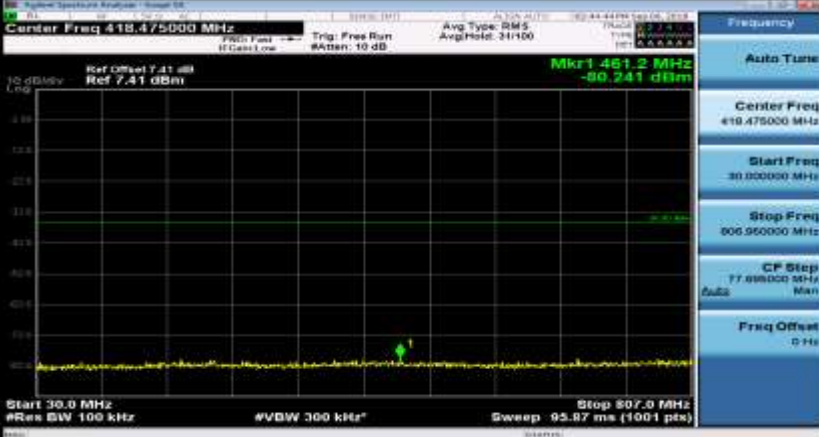
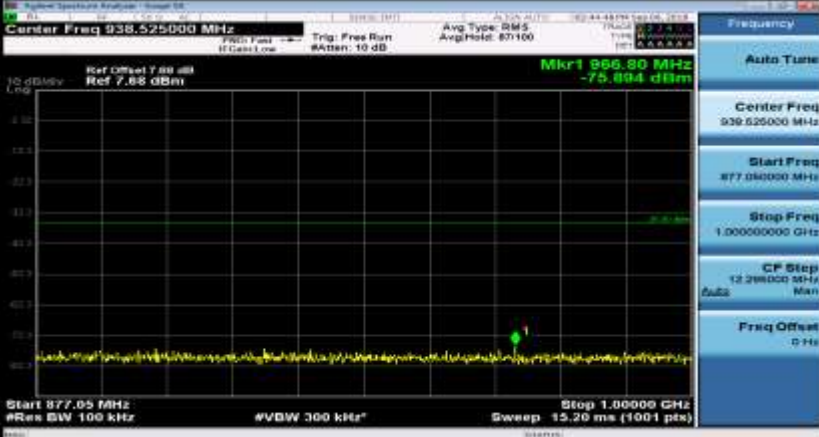

Co-existence	
Co-existence	
Co-existence	

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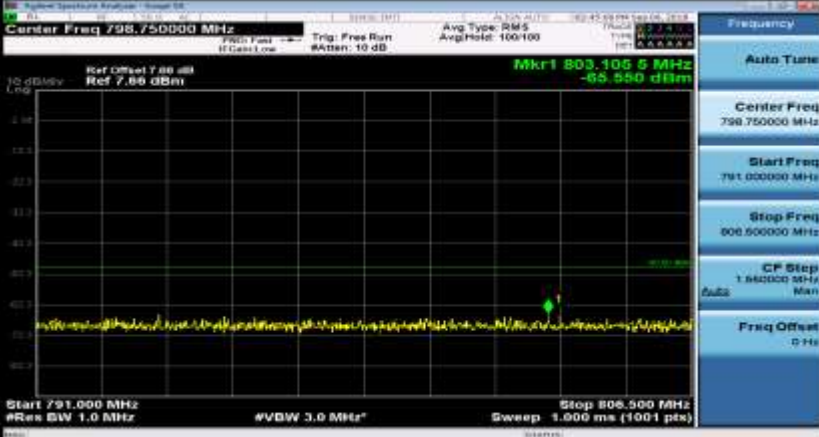
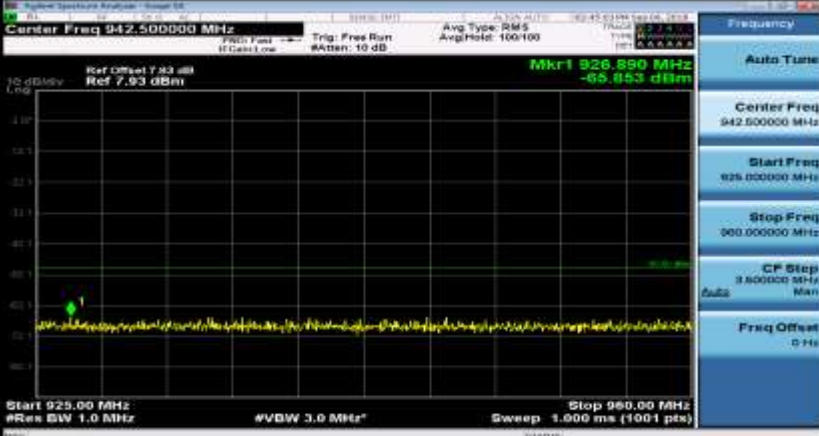
Co-existence	
Additional	NA

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

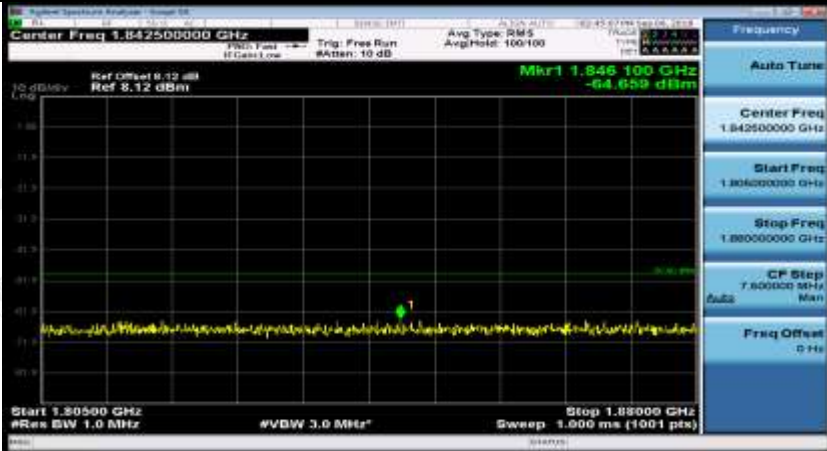
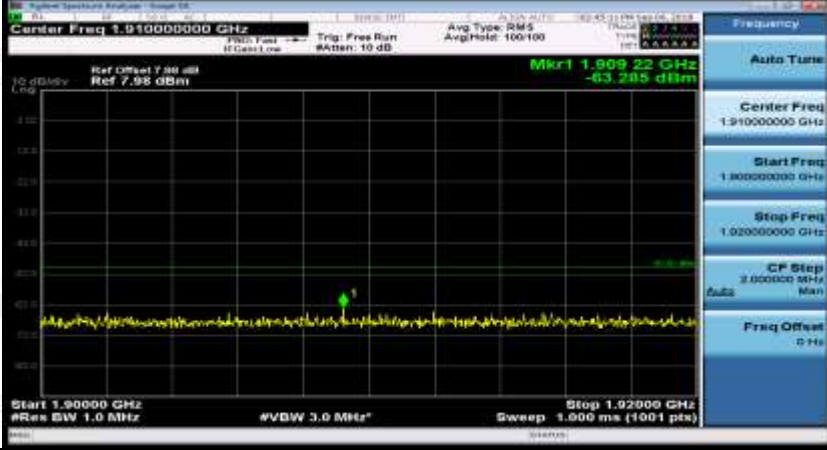
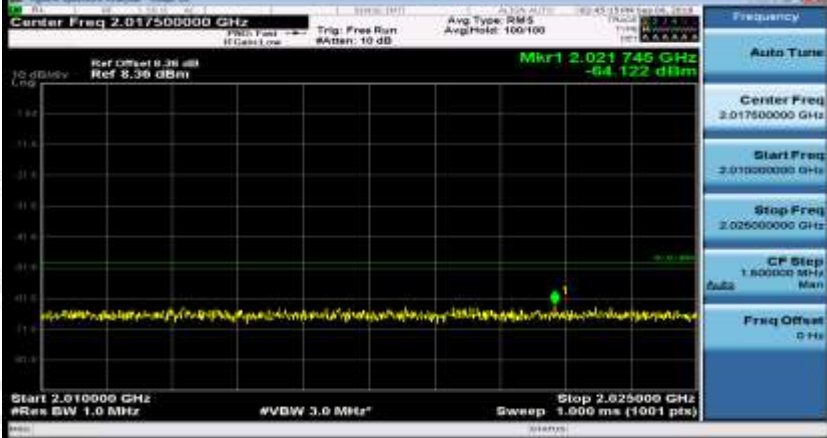
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General			
General			
General			

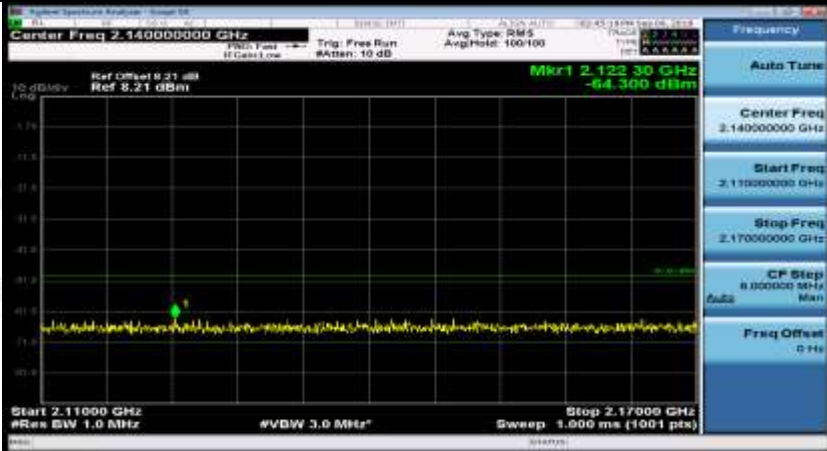
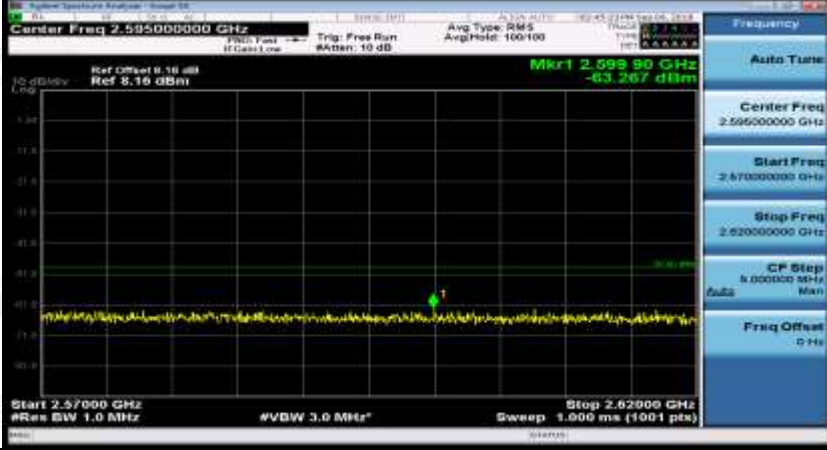
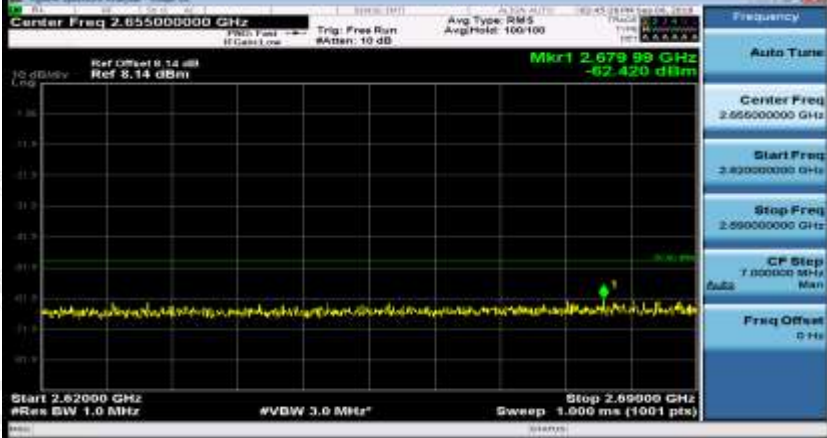
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General			
Co-existence			
Co-existence			

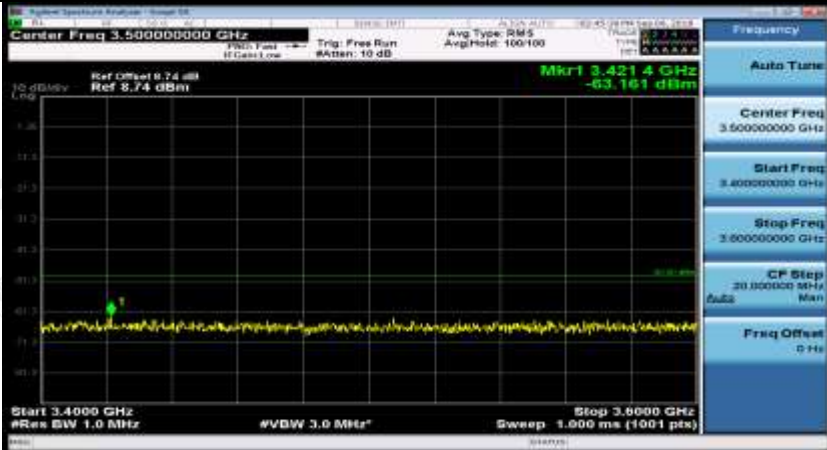
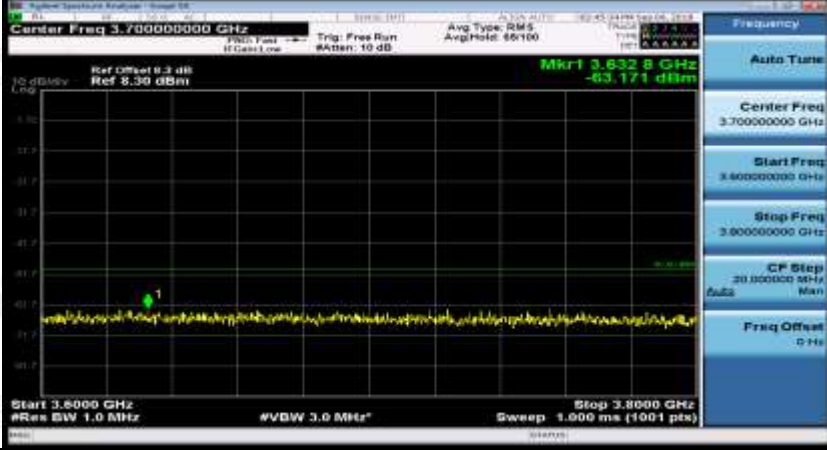
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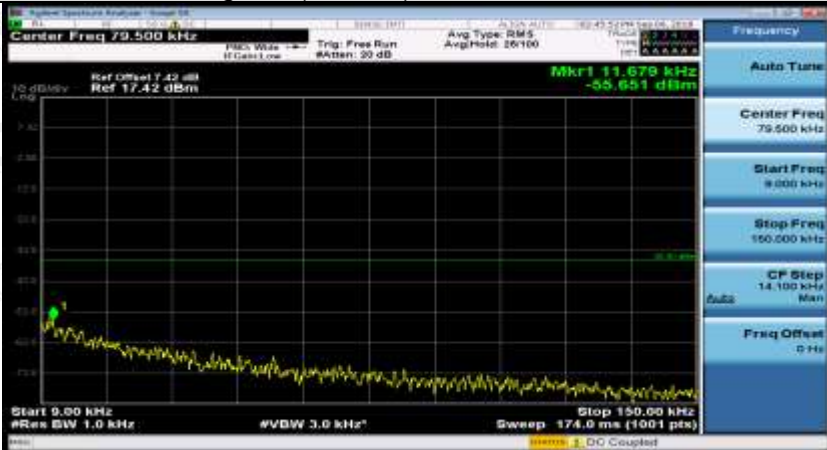
Co-existence		
Co-existence		
Co-existence		

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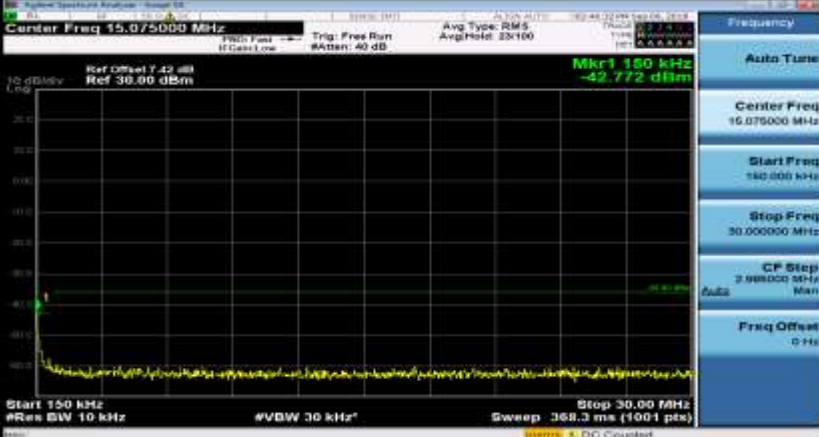
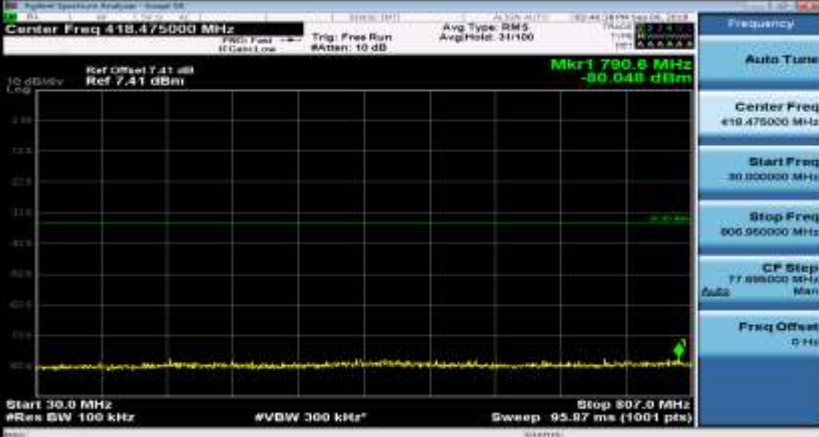
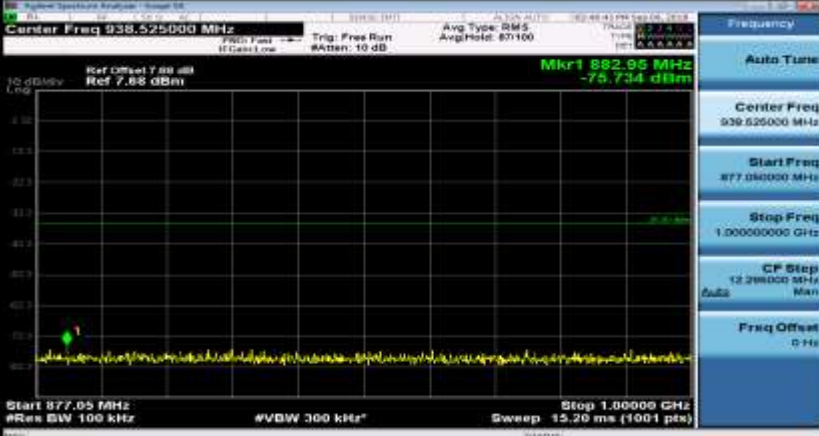
Co-existence	
Co-existence	
Co-existence	

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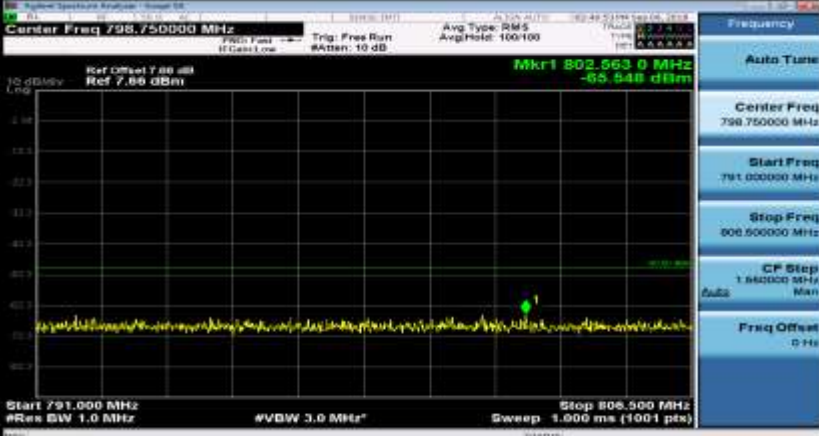
Co-existence	
Co-existence	
Additional	NA

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

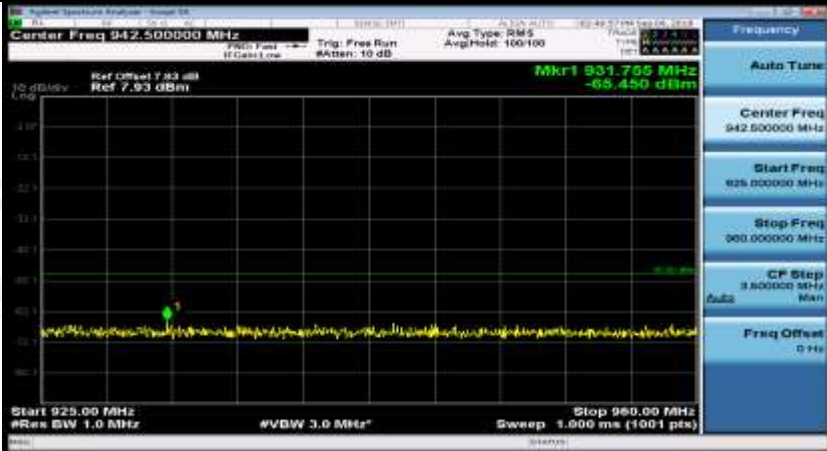
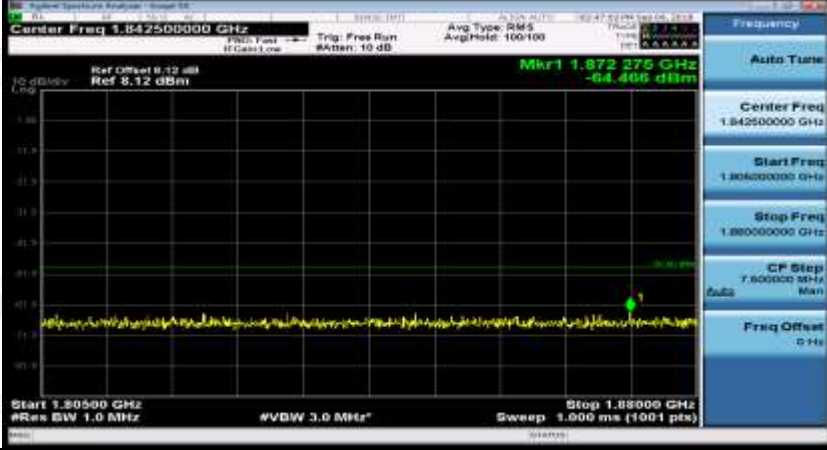
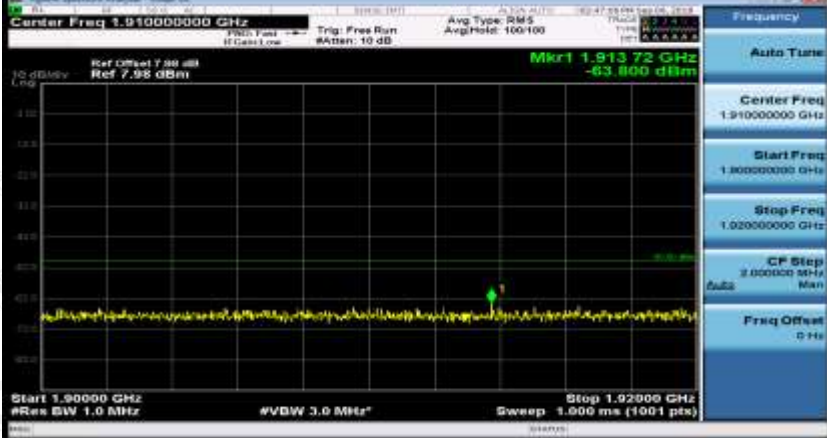
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General			
General			
General			

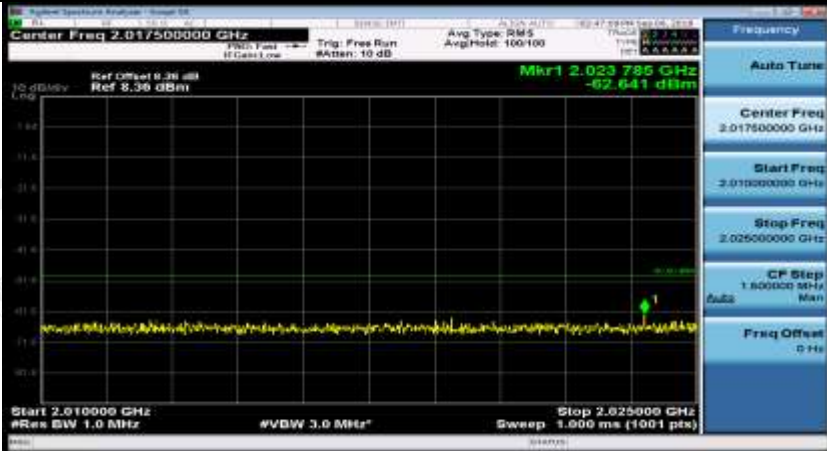

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General			
General			
Co-existence			

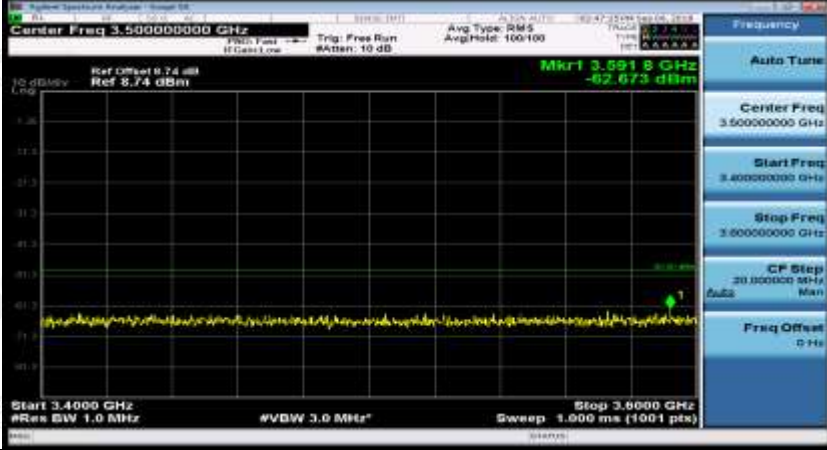
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Co-existence	
Co-existence	
Co-existence	

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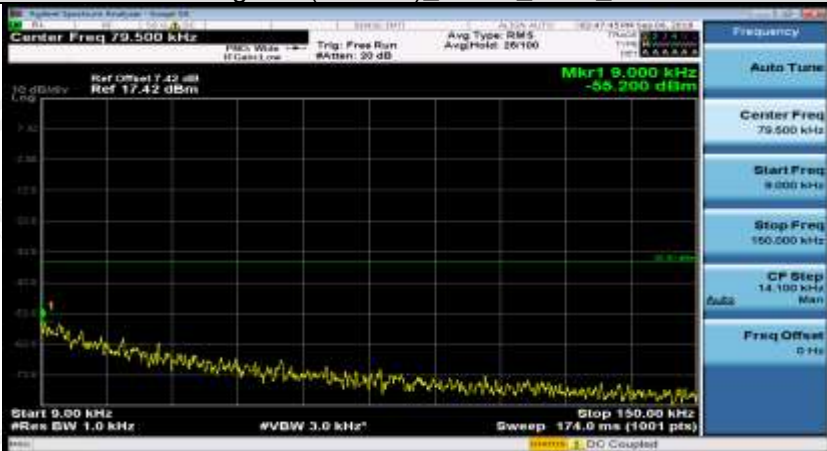
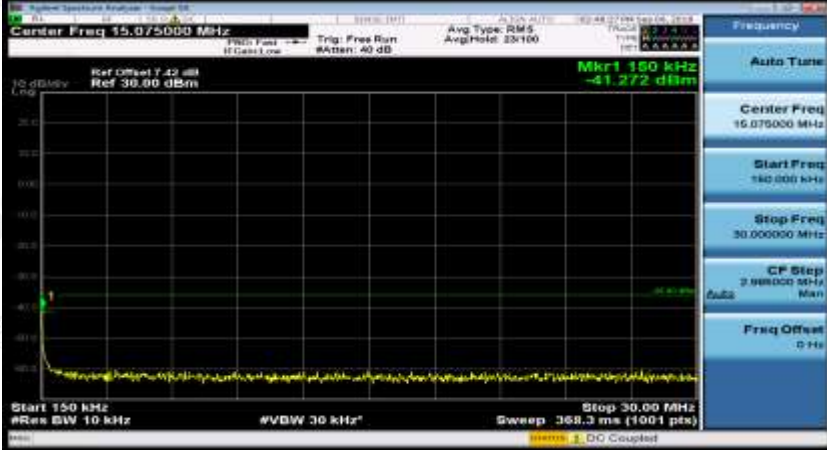
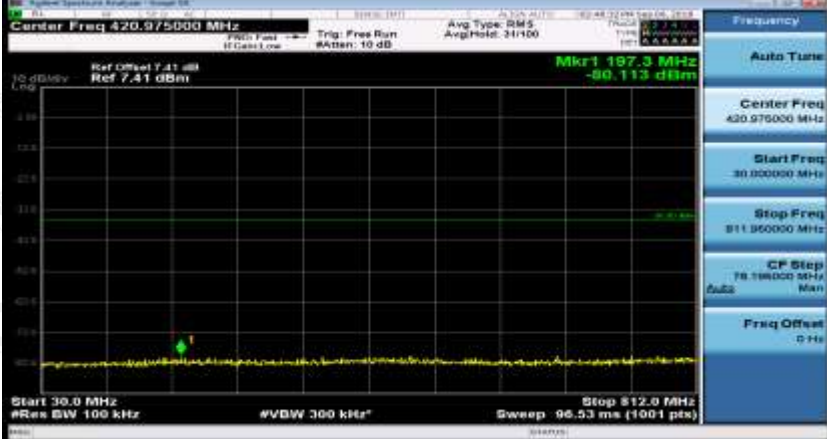
Co-existence		
Co-existence		
Co-existence		

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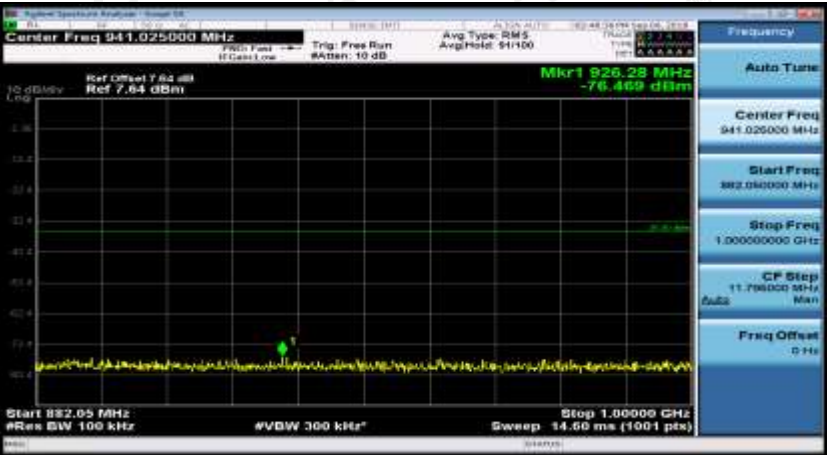

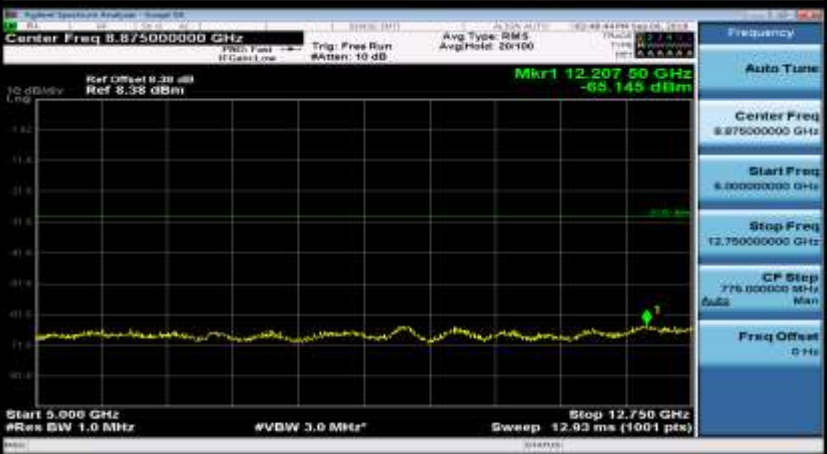
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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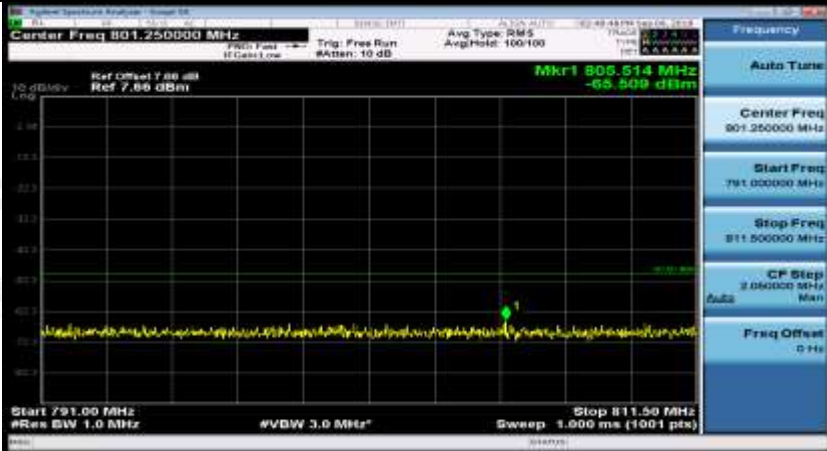
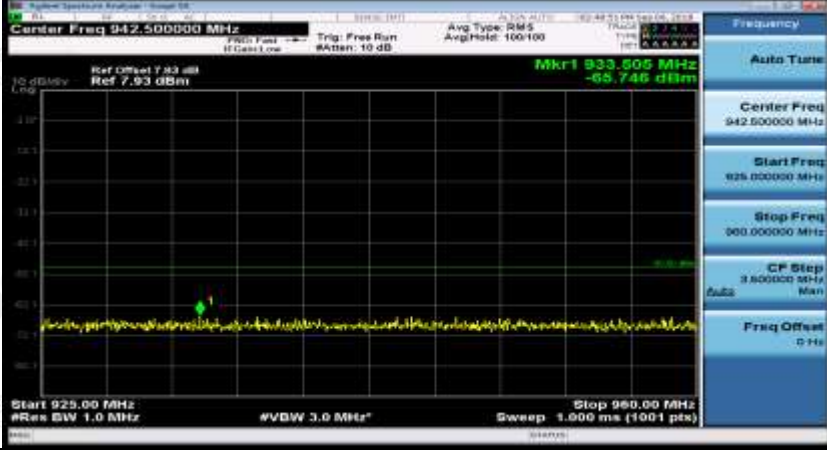
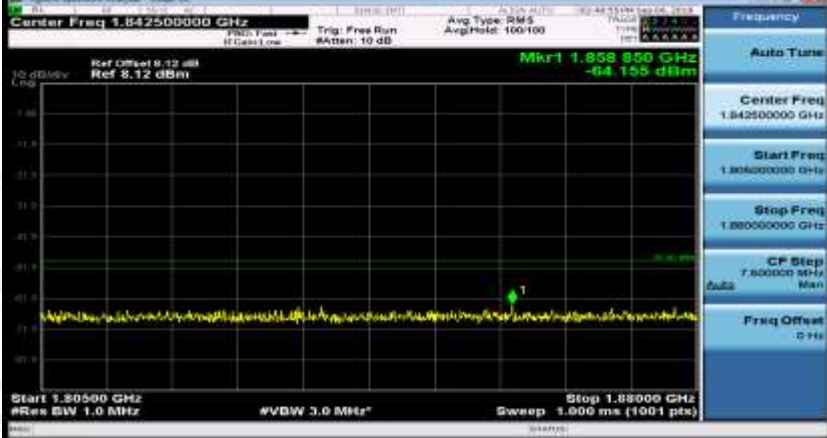
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

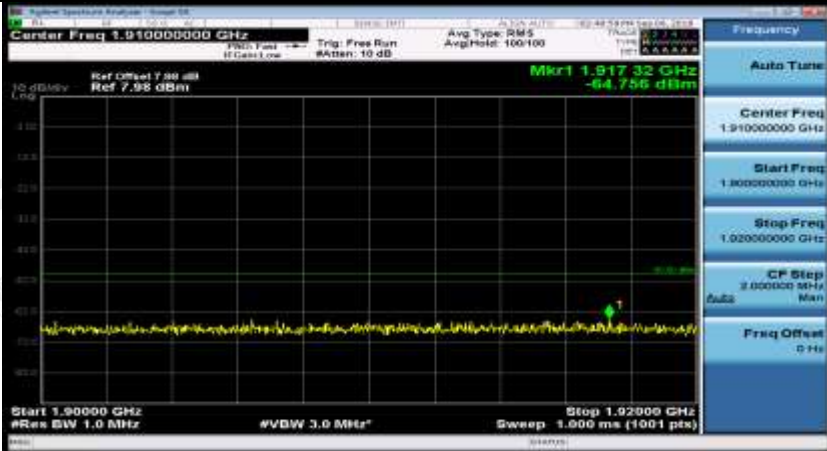
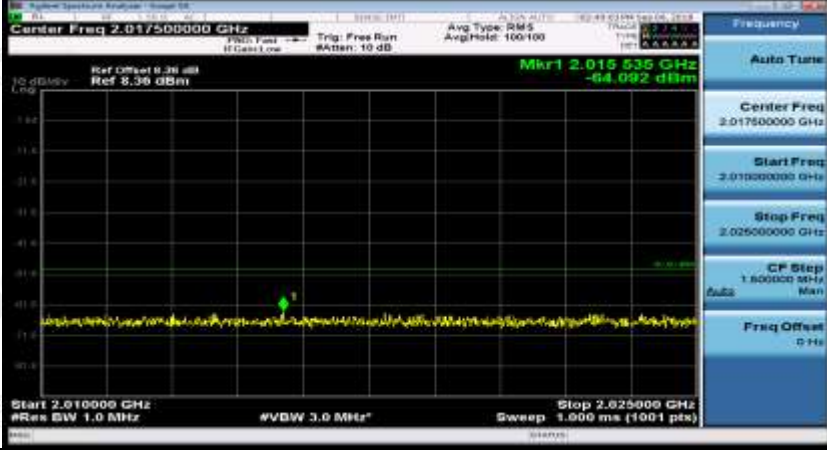
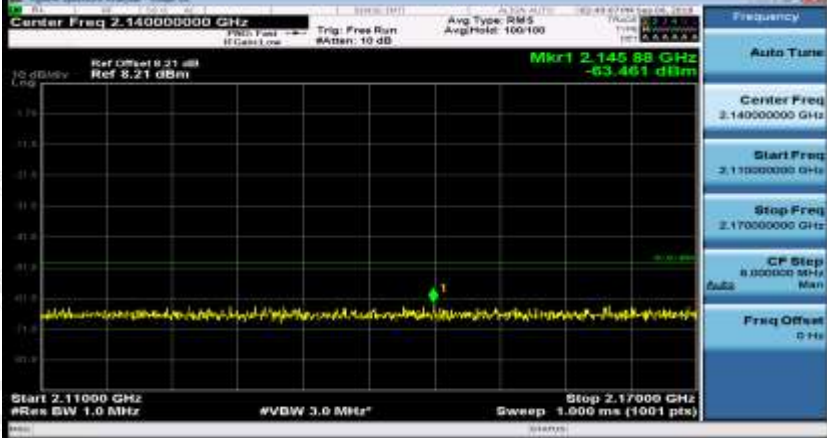
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General		
General		
General		

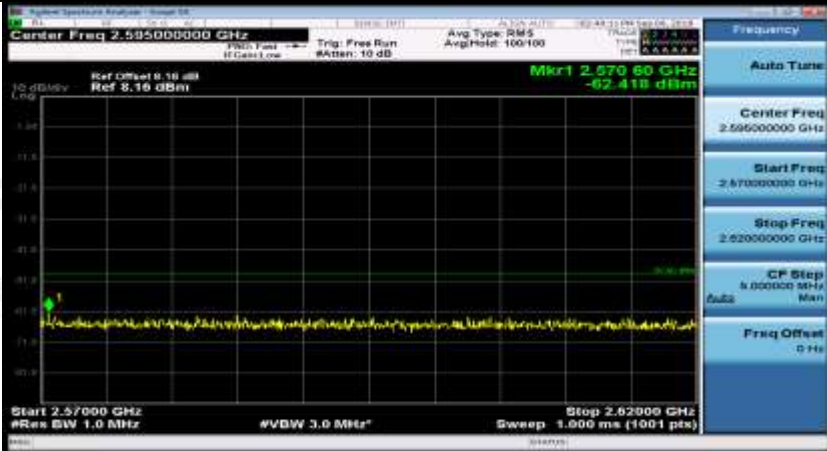
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Co-existence	
Co-existence	
Co-existence	

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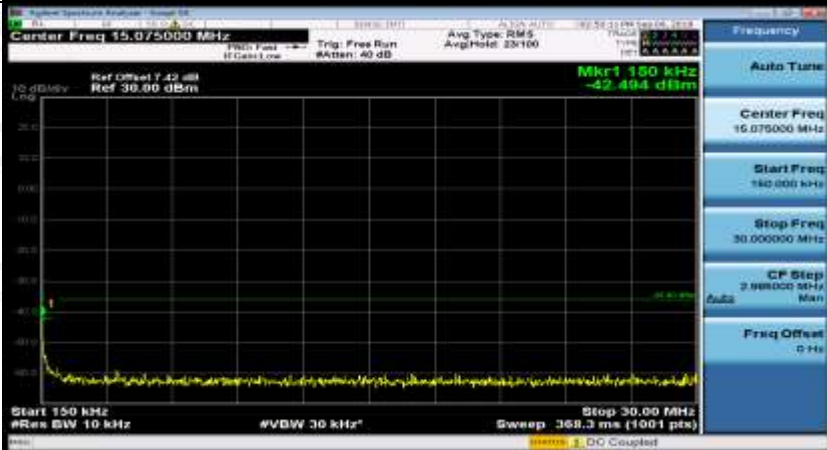
Co-existence	
Co-existence	
Co-existence	

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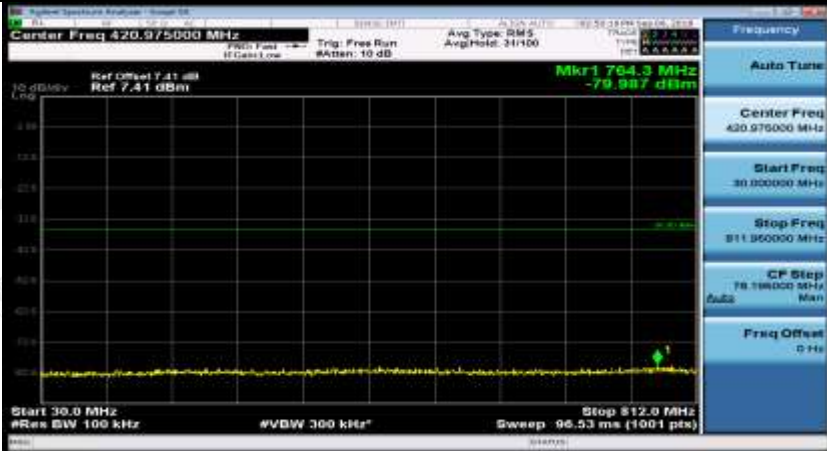
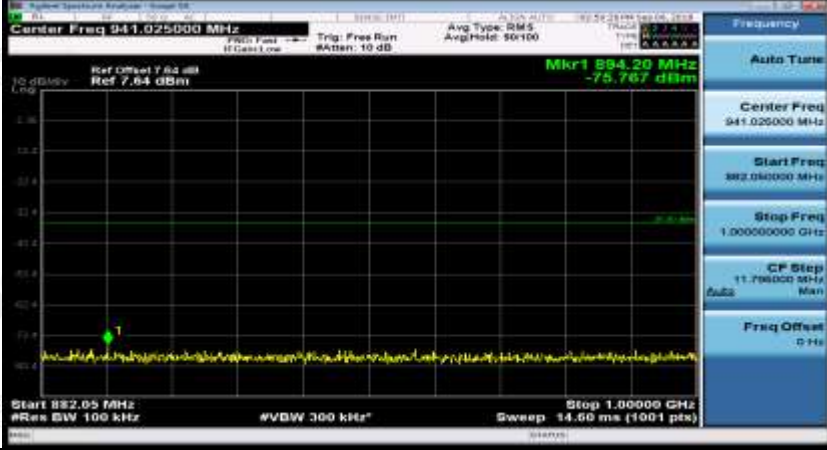
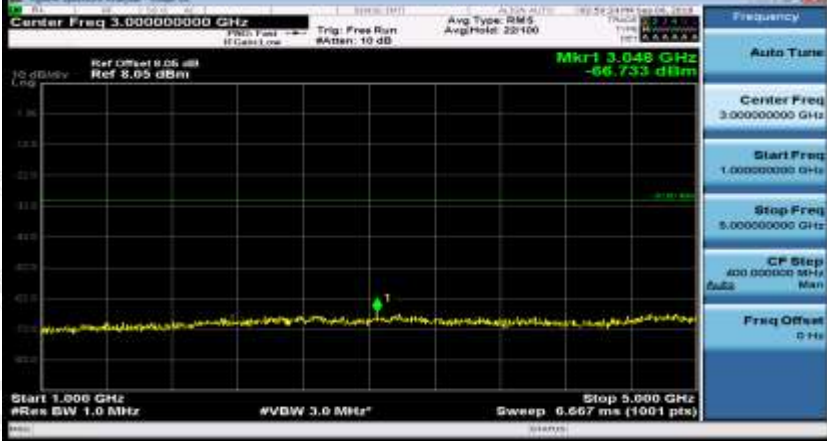
Co-existence	
Co-existence	
Co-existence	

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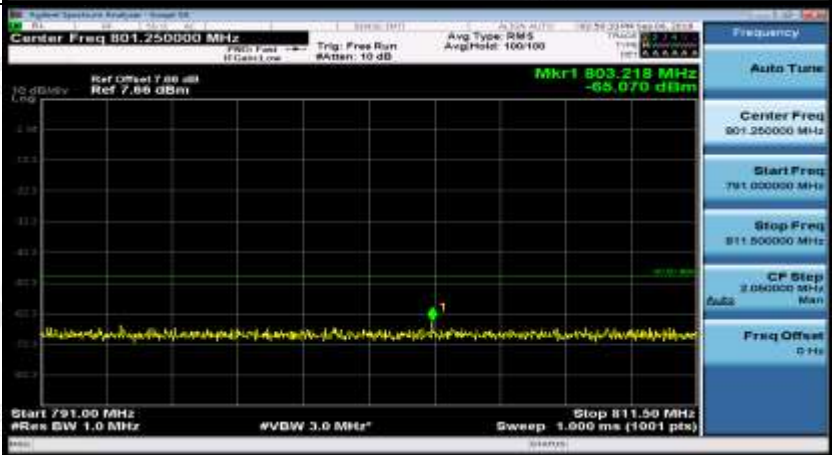
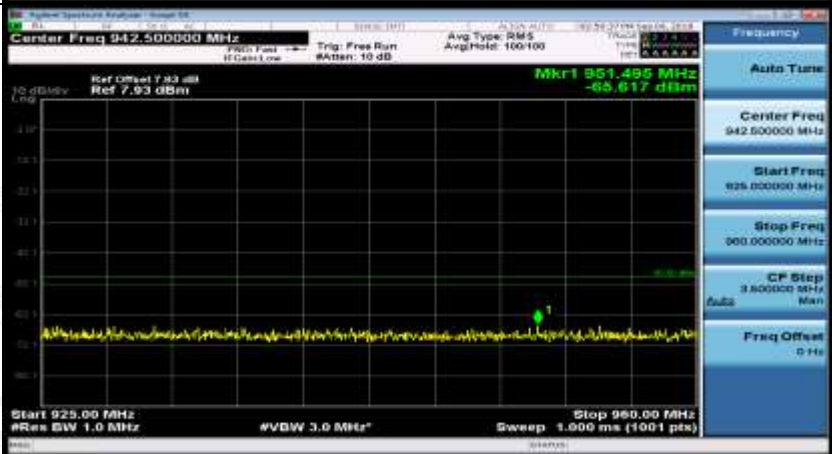
Co-existence	
Additional	NA

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

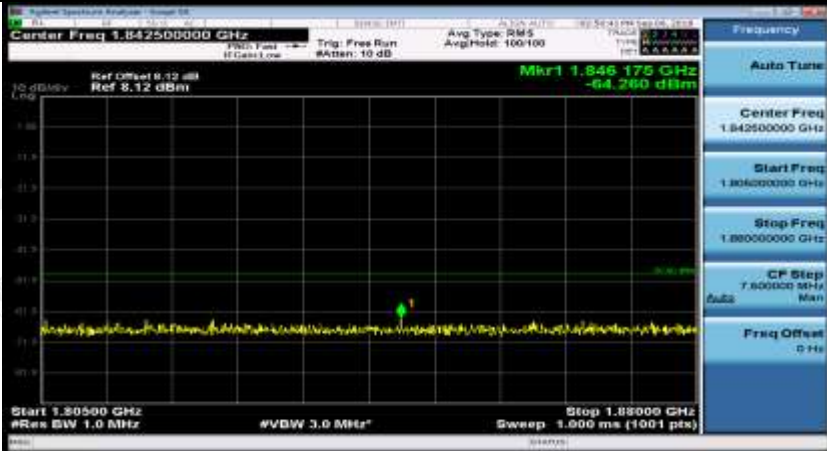
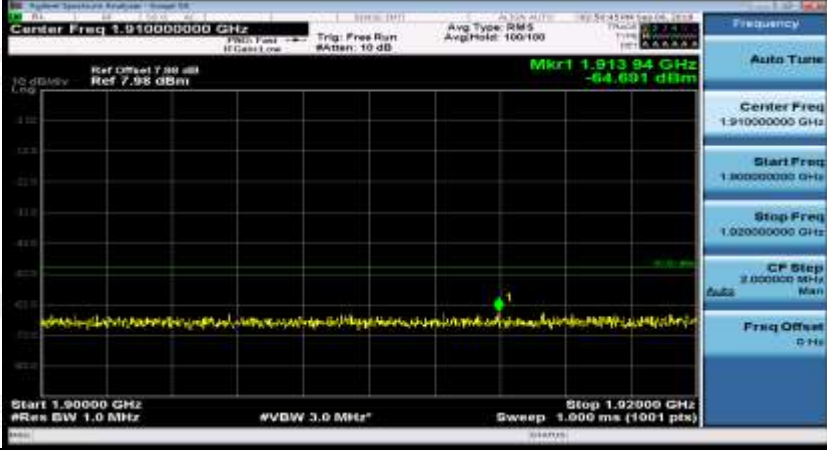
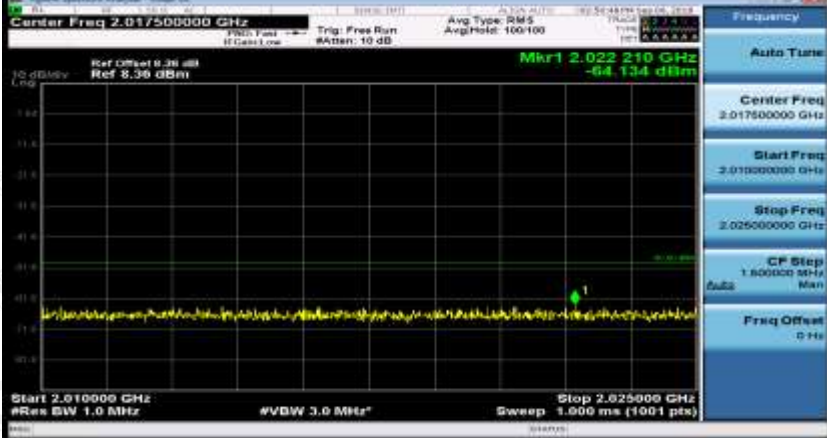
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General	
General	
General	

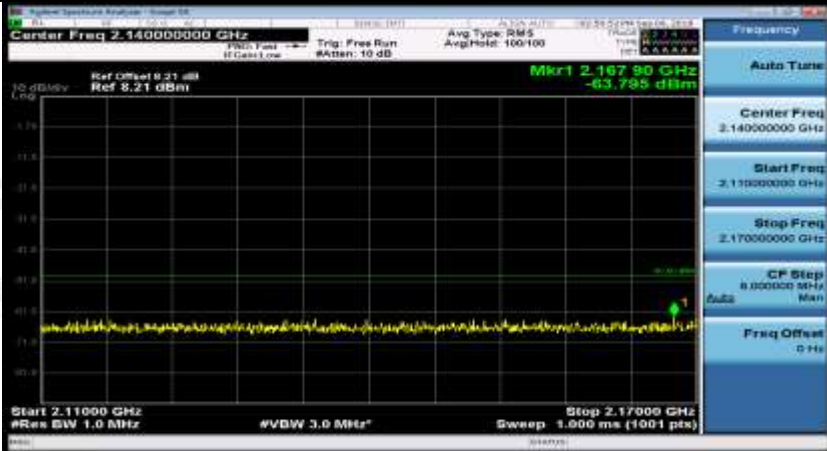
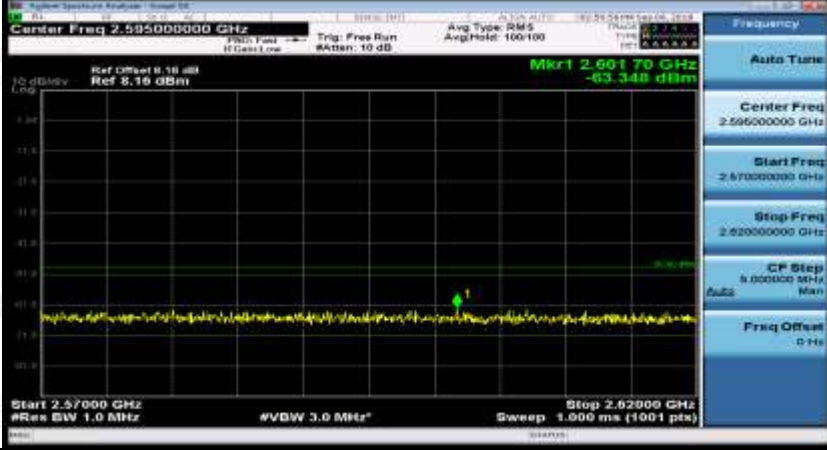

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General		
Co-existence		
Co-existence		

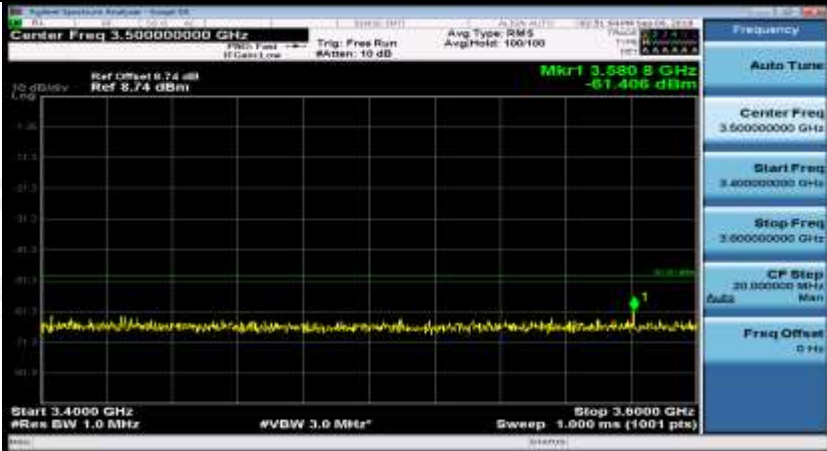
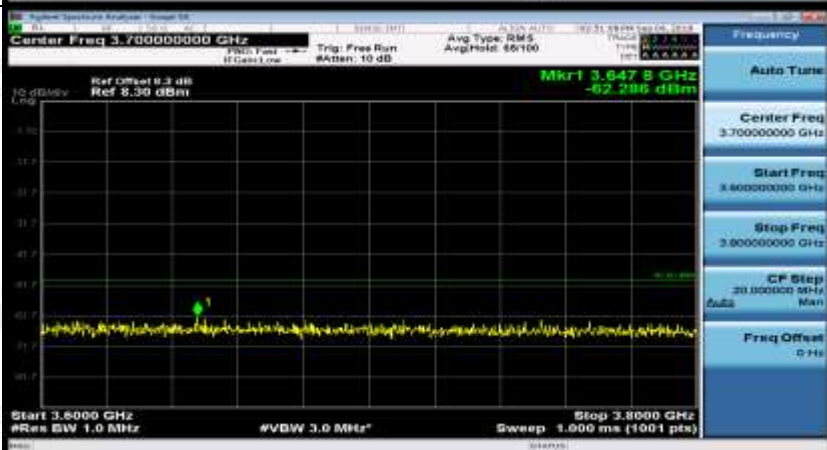
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
Co-existence	
Additional	NA



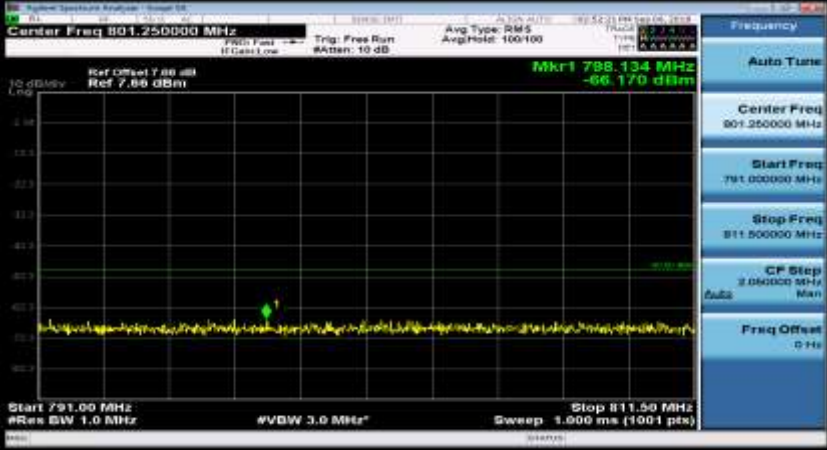
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullIRB#0

General	
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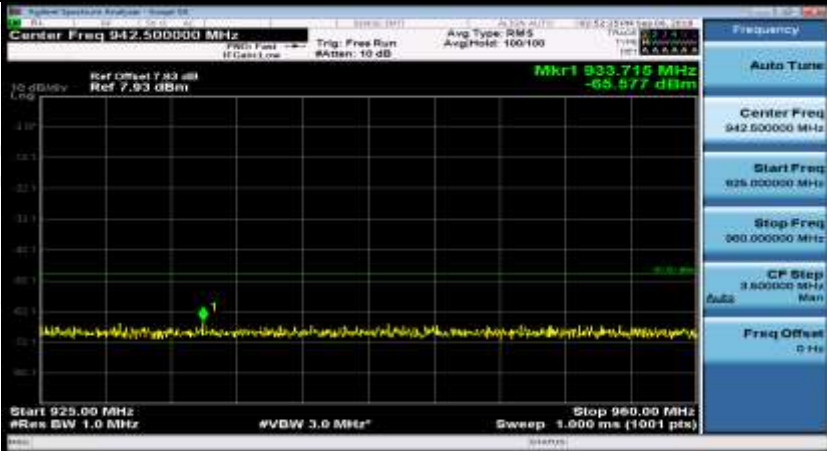
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General			
General			
General			

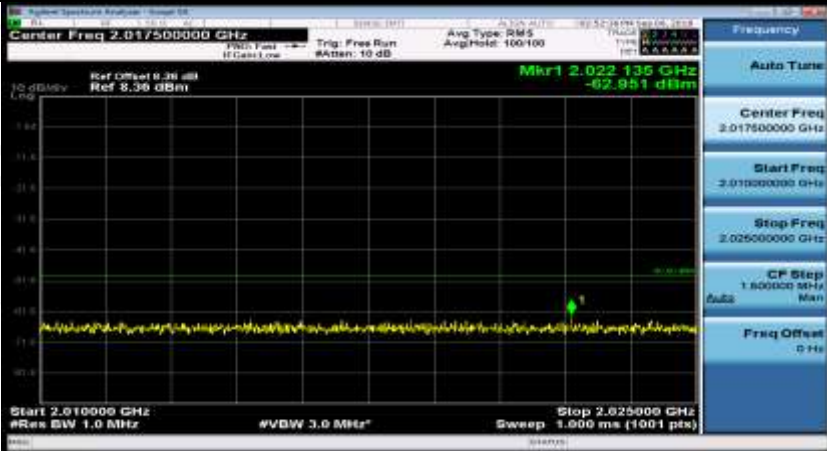
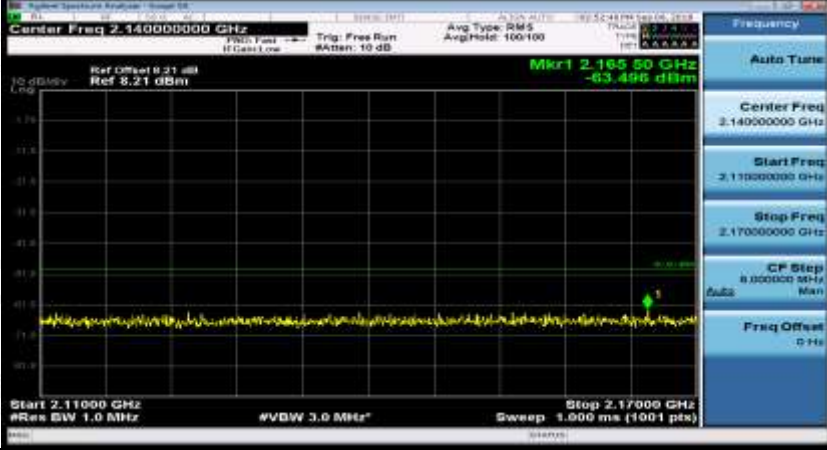

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General		
General		
Co-existence		

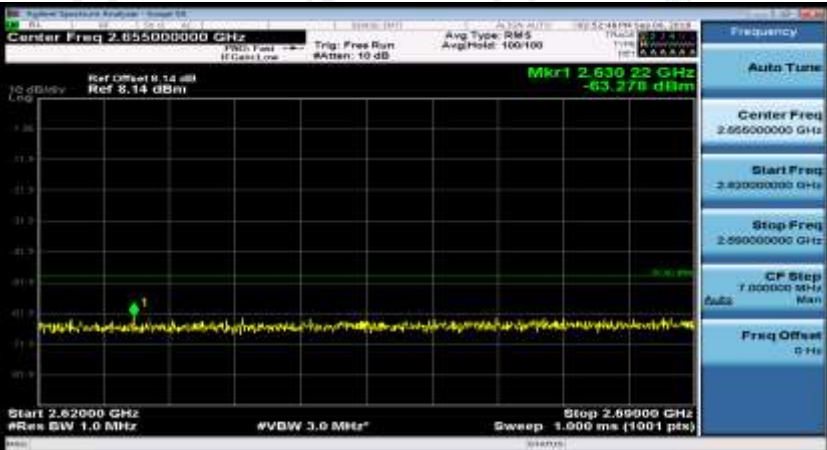
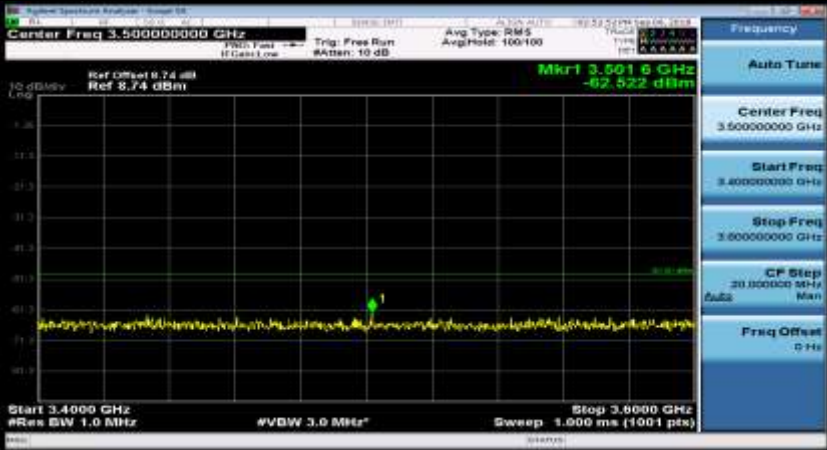
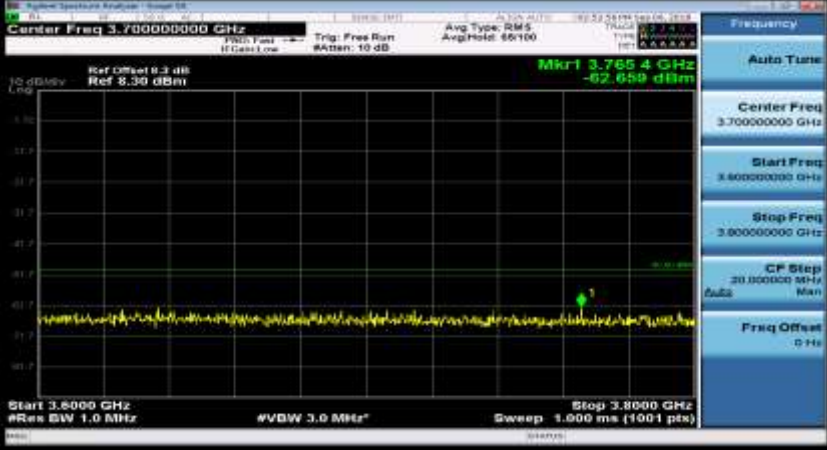
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Co-existence	
Co-existence	
Co-existence	

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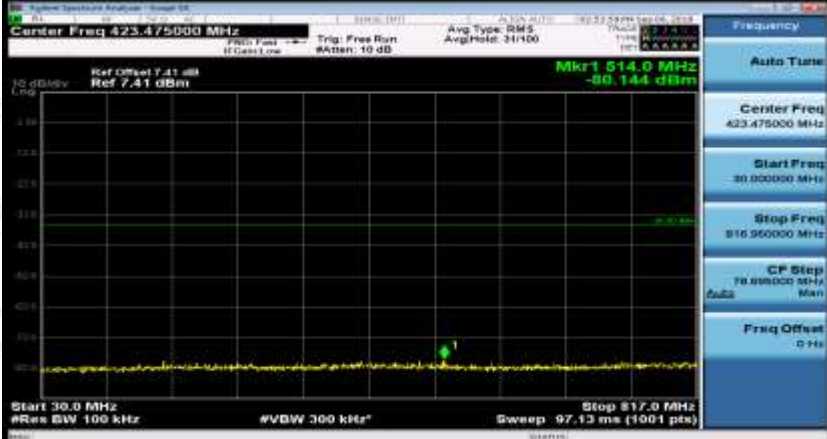
Co-existence	
Co-existence	
Co-existence	

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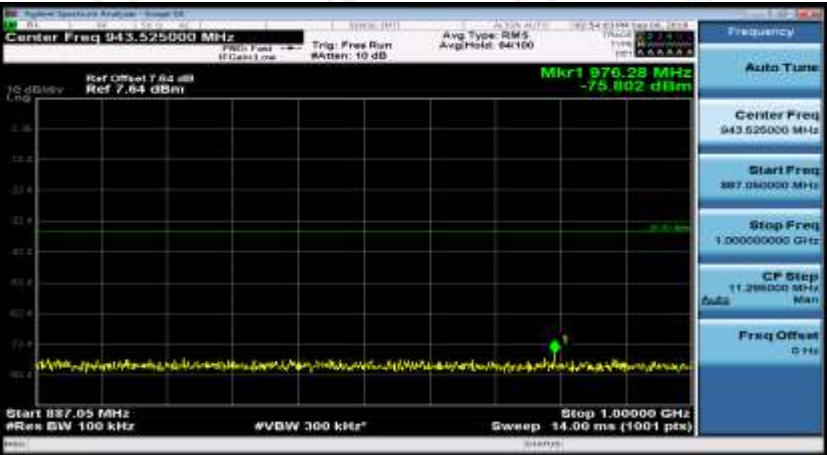

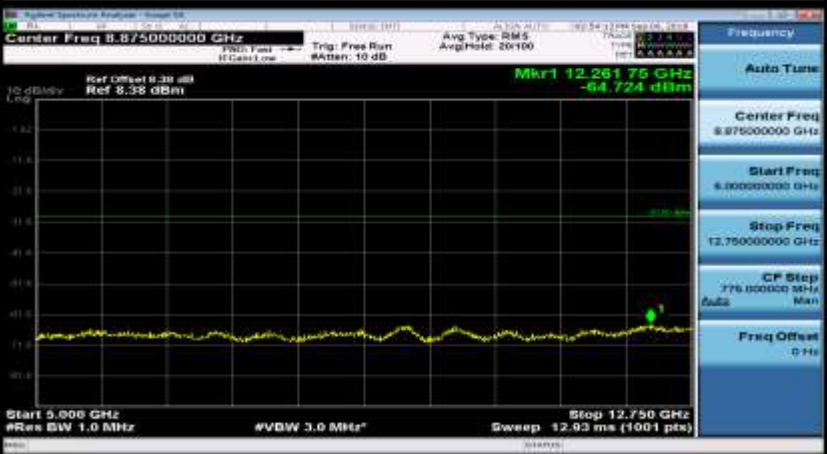
Co-existence	
Co-existence	
Co-existence	
Additional	NA

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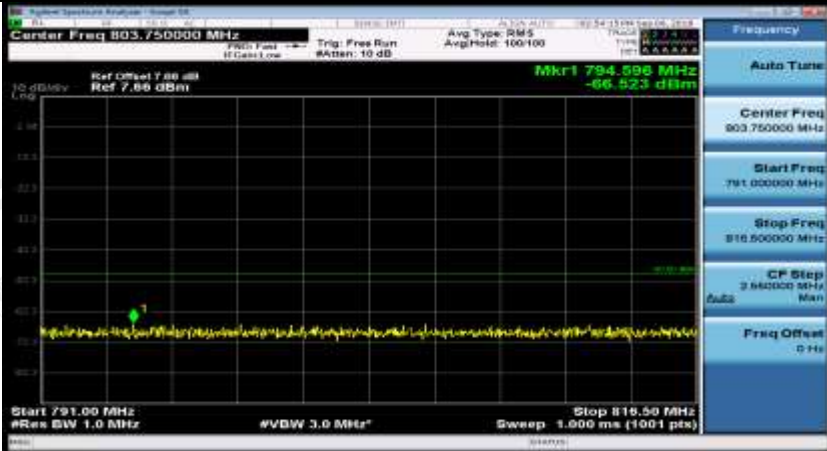
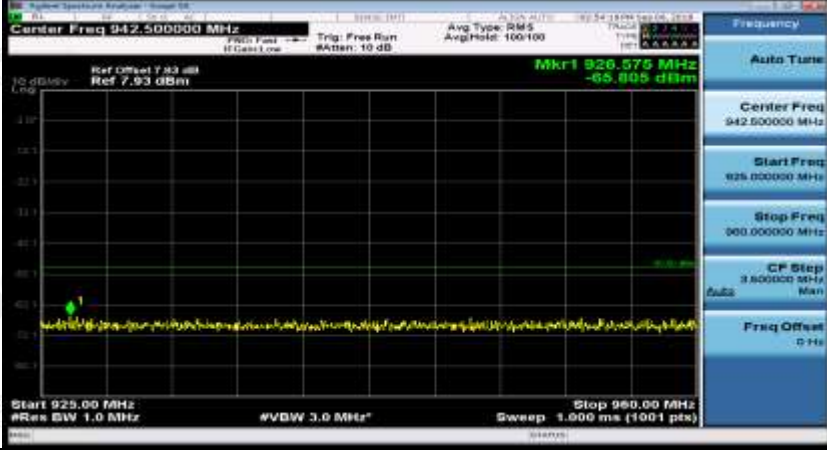
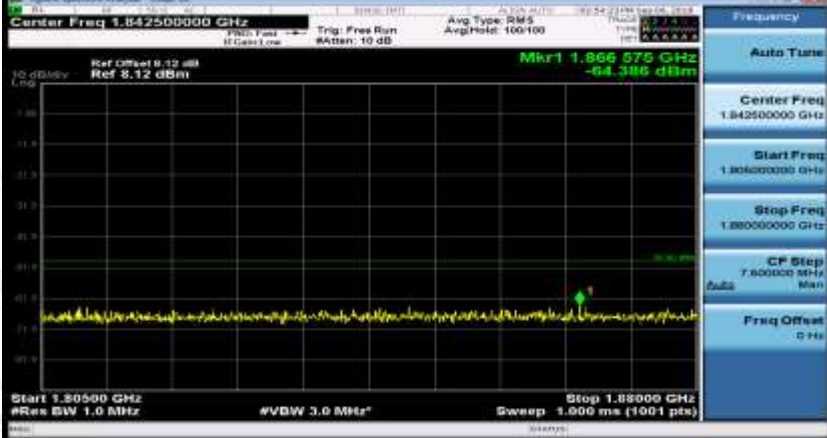
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

General	
General	
General	

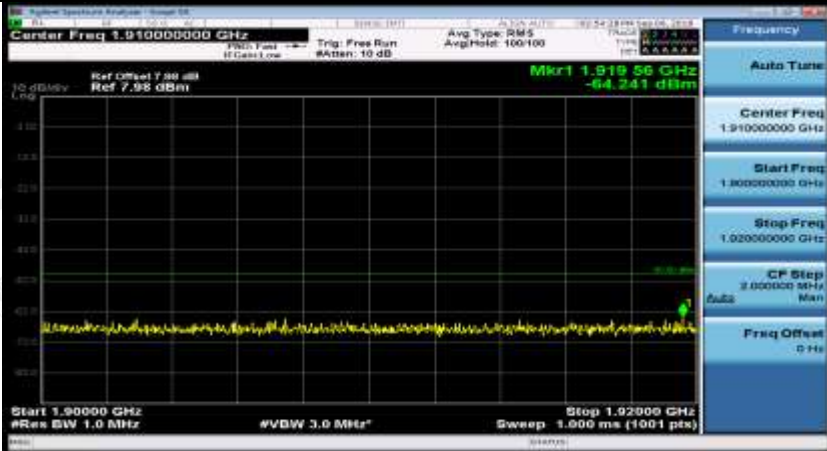
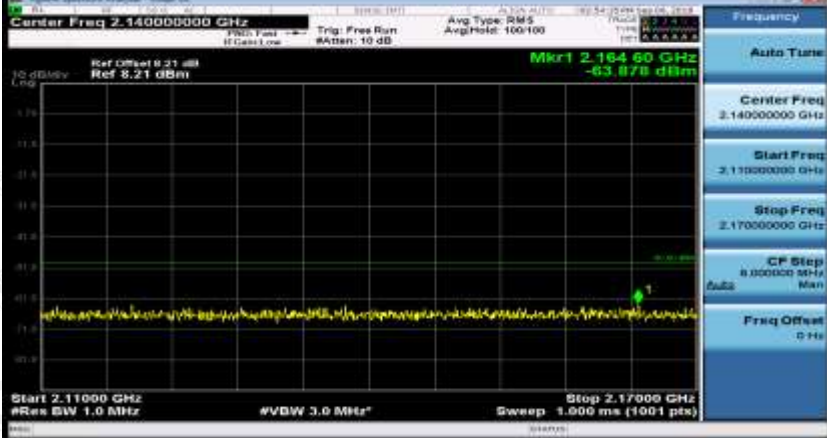
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General		
General		
General		

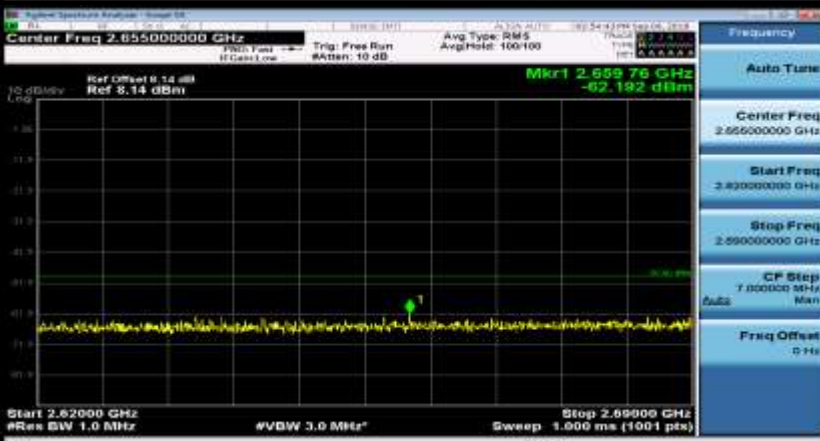

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Co-existence	
Co-existence	
Co-existence	

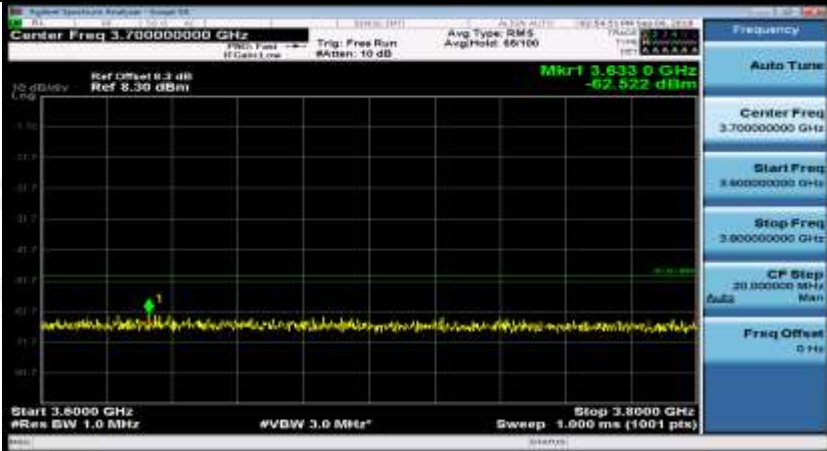
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Co-existence	
Co-existence	
Co-existence	

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Co-existence		 <p>Center Freq 2.58500000 GHz Mkr1 2.58590 GHz -62.049 dBm Start 2.57000 GHz Stop 2.62000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 2.65500000 GHz Mkr1 2.65576 GHz -62.192 dBm Start 2.62000 GHz Stop 2.69000 GHz Sweep 1.000 ms (1001 pts)</p>	
Co-existence		 <p>Center Freq 3.50000000 GHz Mkr1 3.5422 GHz -63.116 dBm Start 3.4000 GHz Stop 3.6000 GHz Sweep 1.000 ms (1001 pts)</p>	

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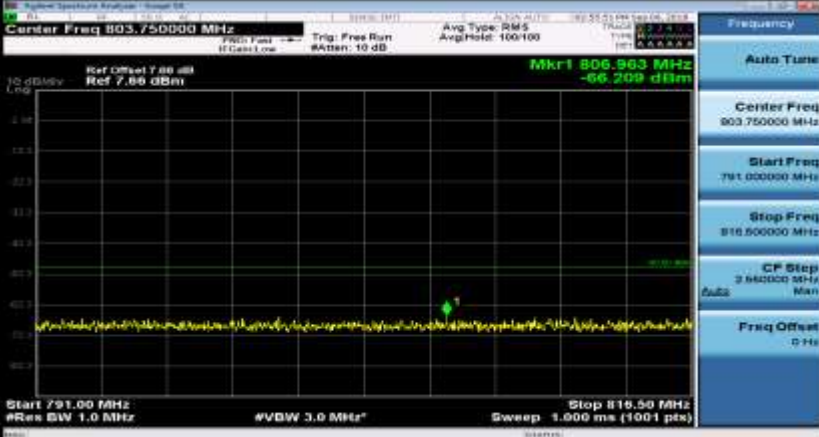
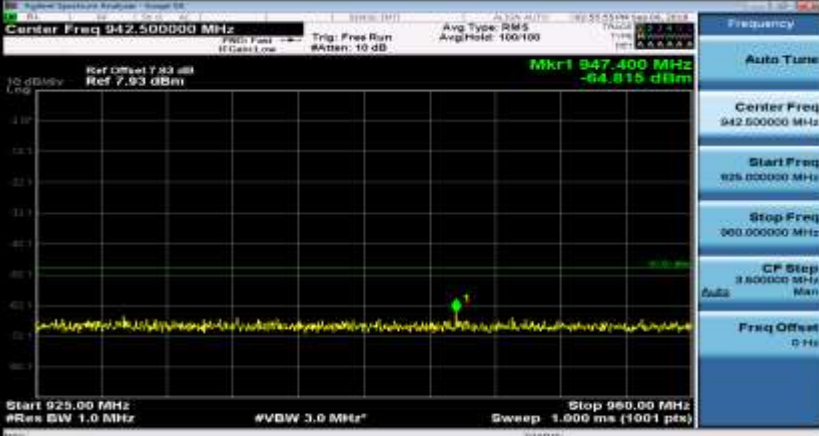
Co-existence	
Additional	NA

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

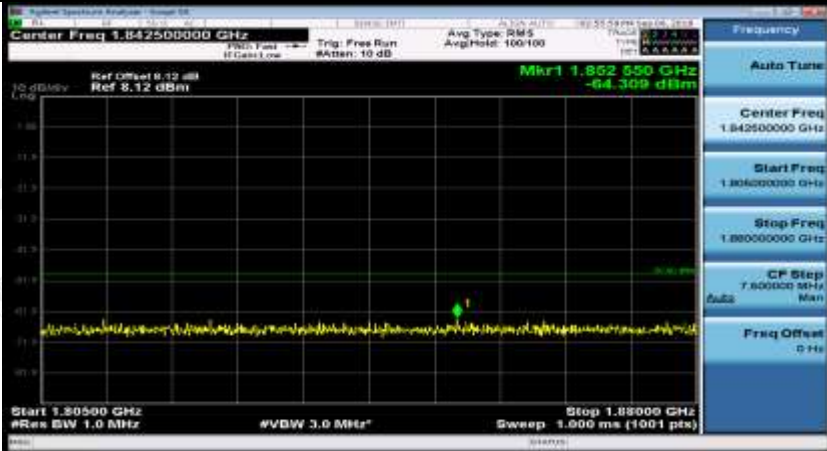
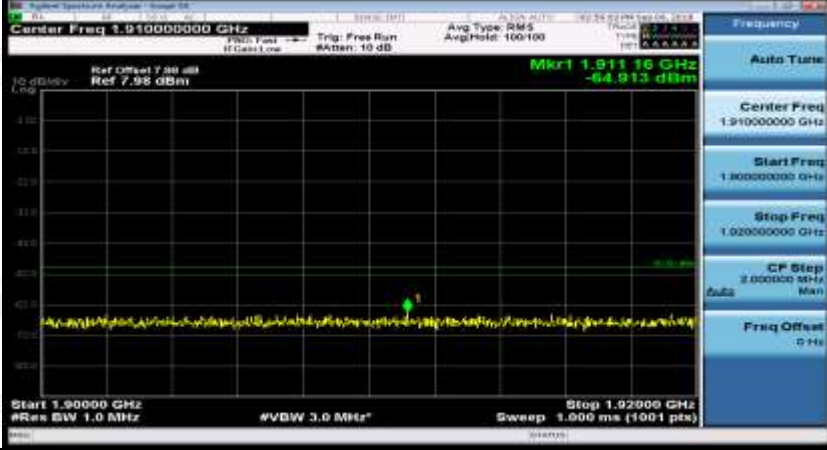
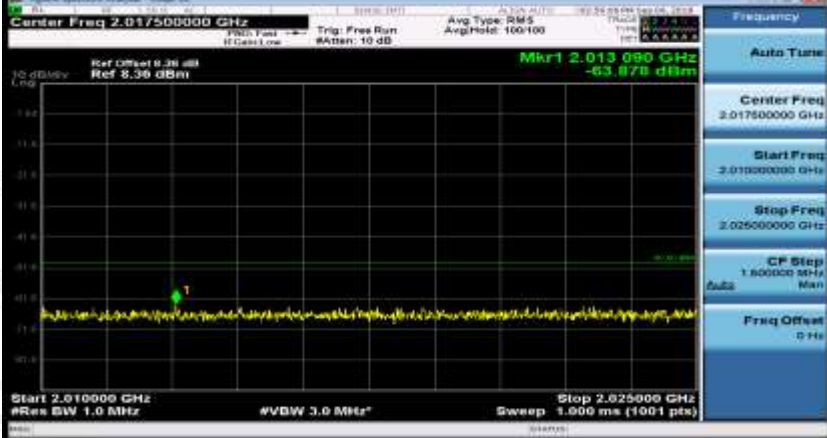
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General			
General			
General			

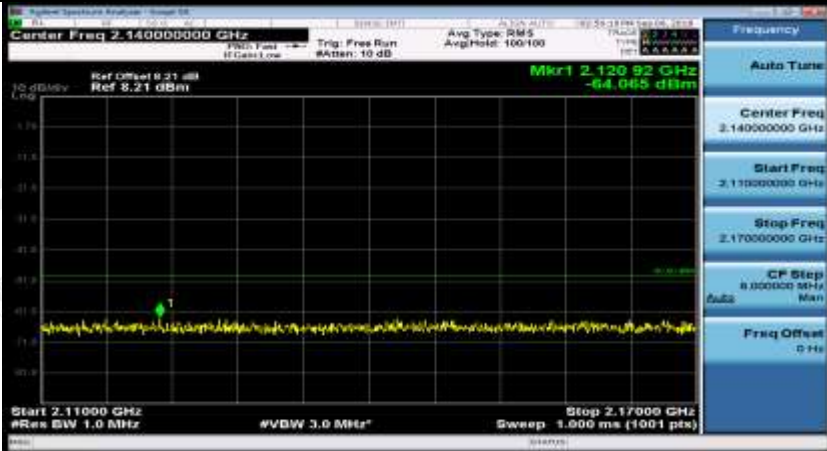
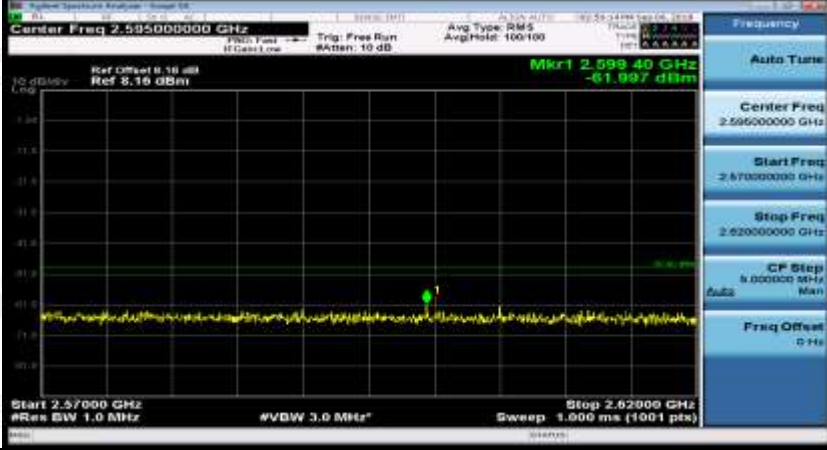
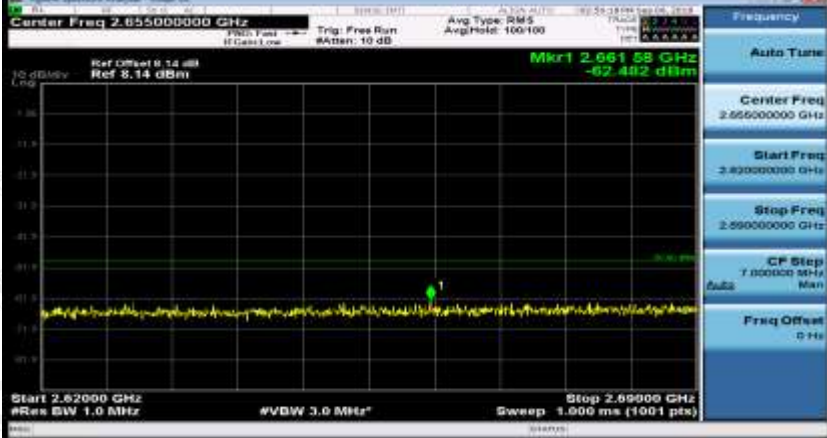
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General			
Co-existence			
Co-existence			


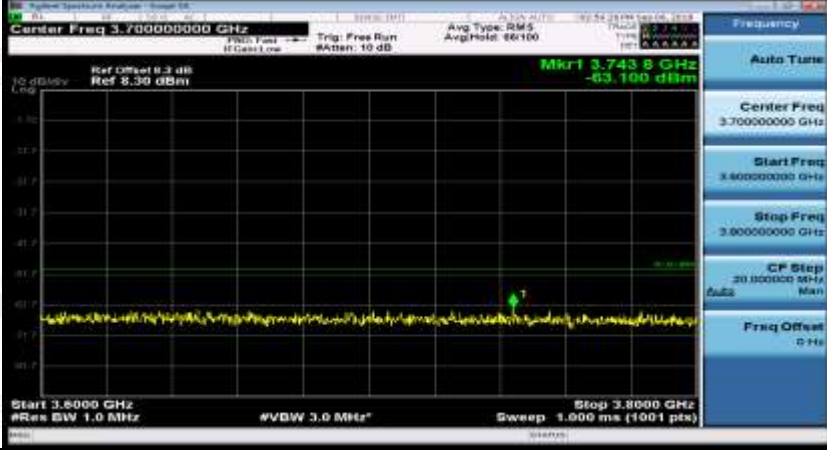
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Co-existence		
Co-existence		
Co-existence		

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Co-existence	
Co-existence	
Co-existence	

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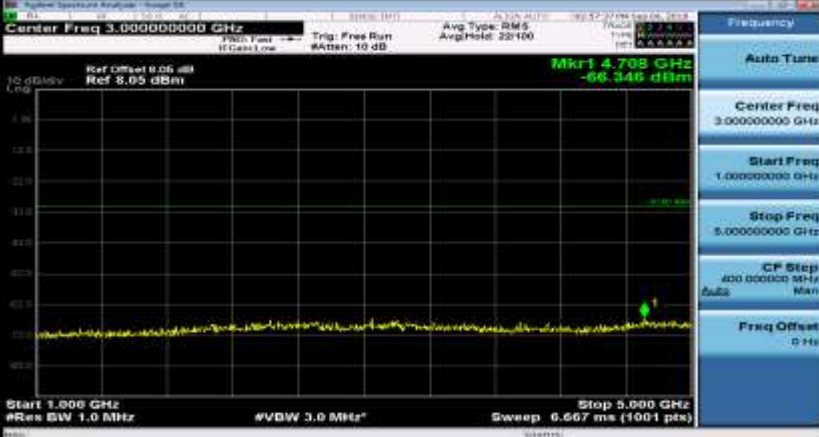

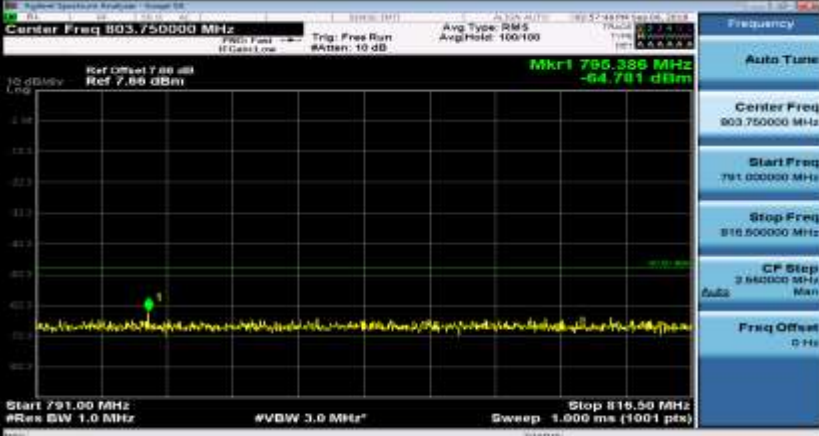
Co-existence	
Co-existence	
Additional	NA

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

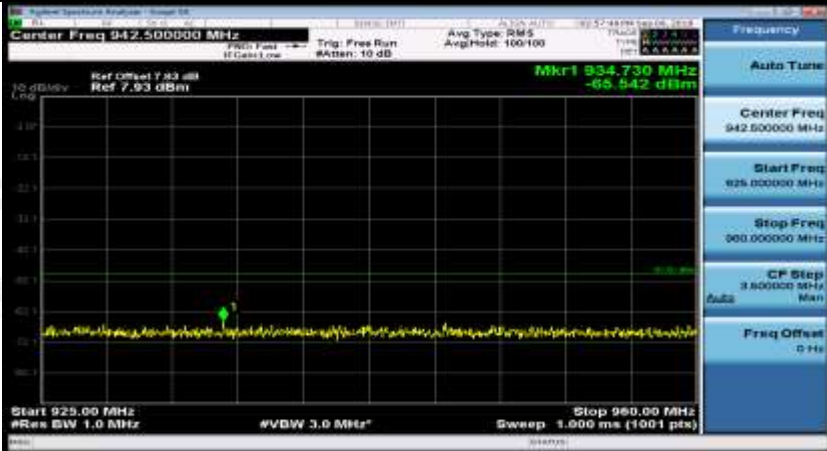
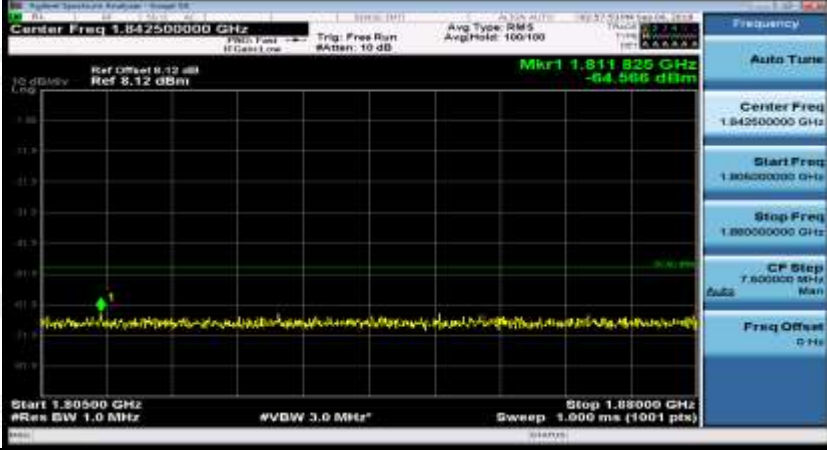
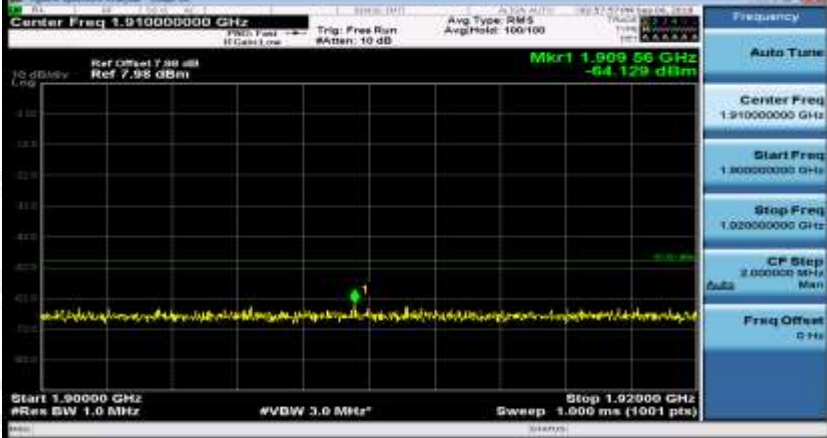
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General			
General			
General			

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General			
General			
Co-existence			

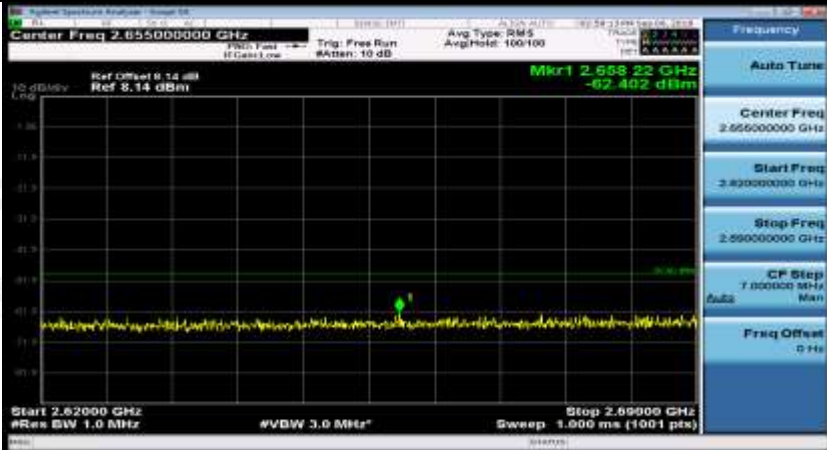
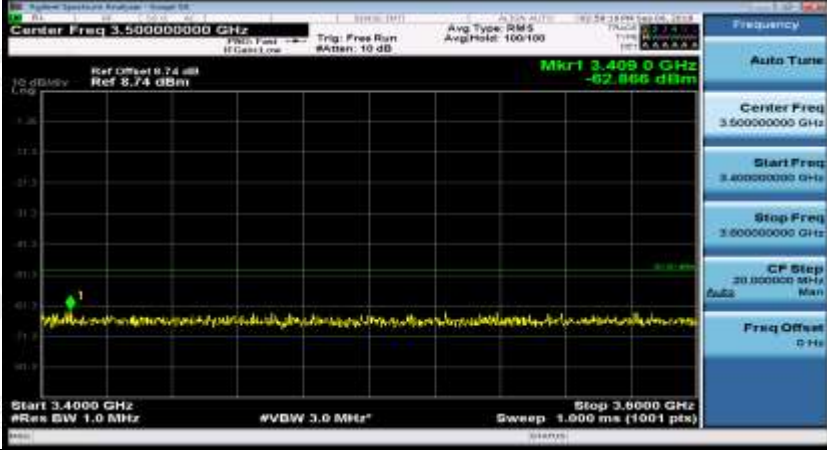
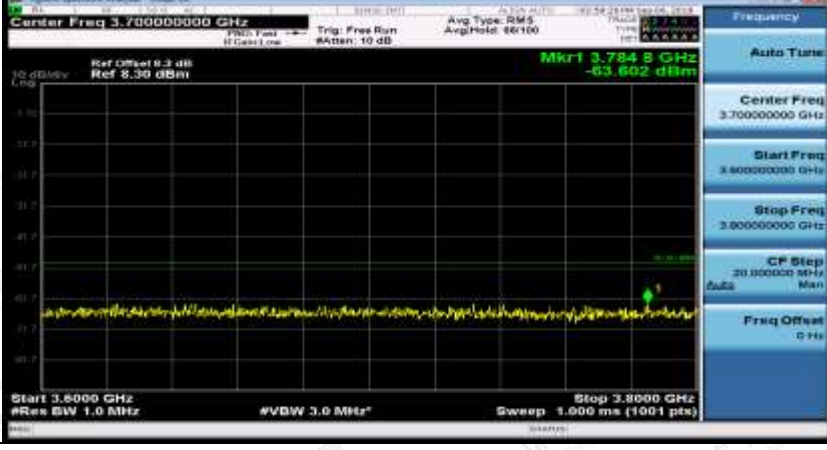
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Co-existence	
Co-existence	
Co-existence	

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Co-existence	
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

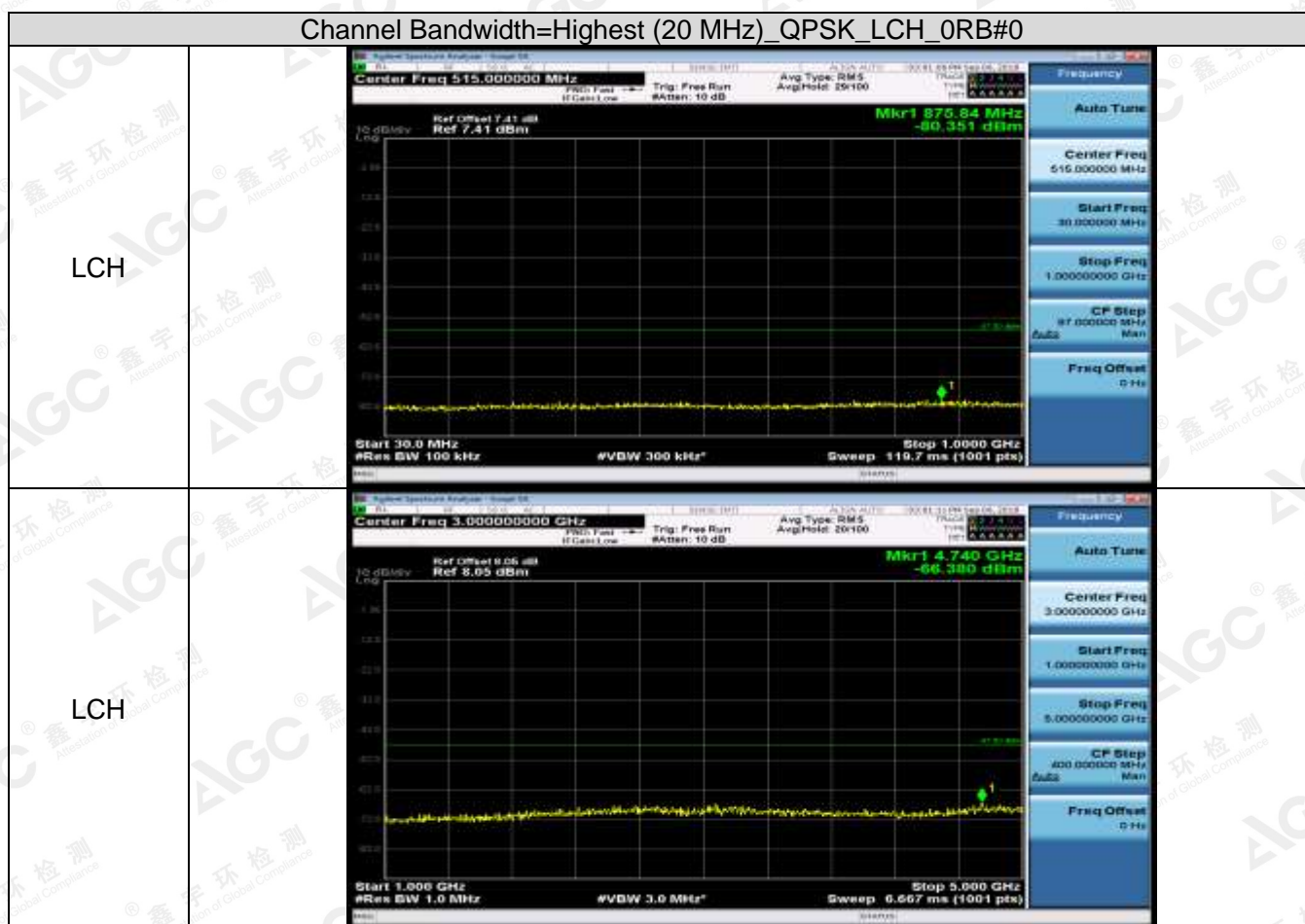
Channel Bandwidth=Highest

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

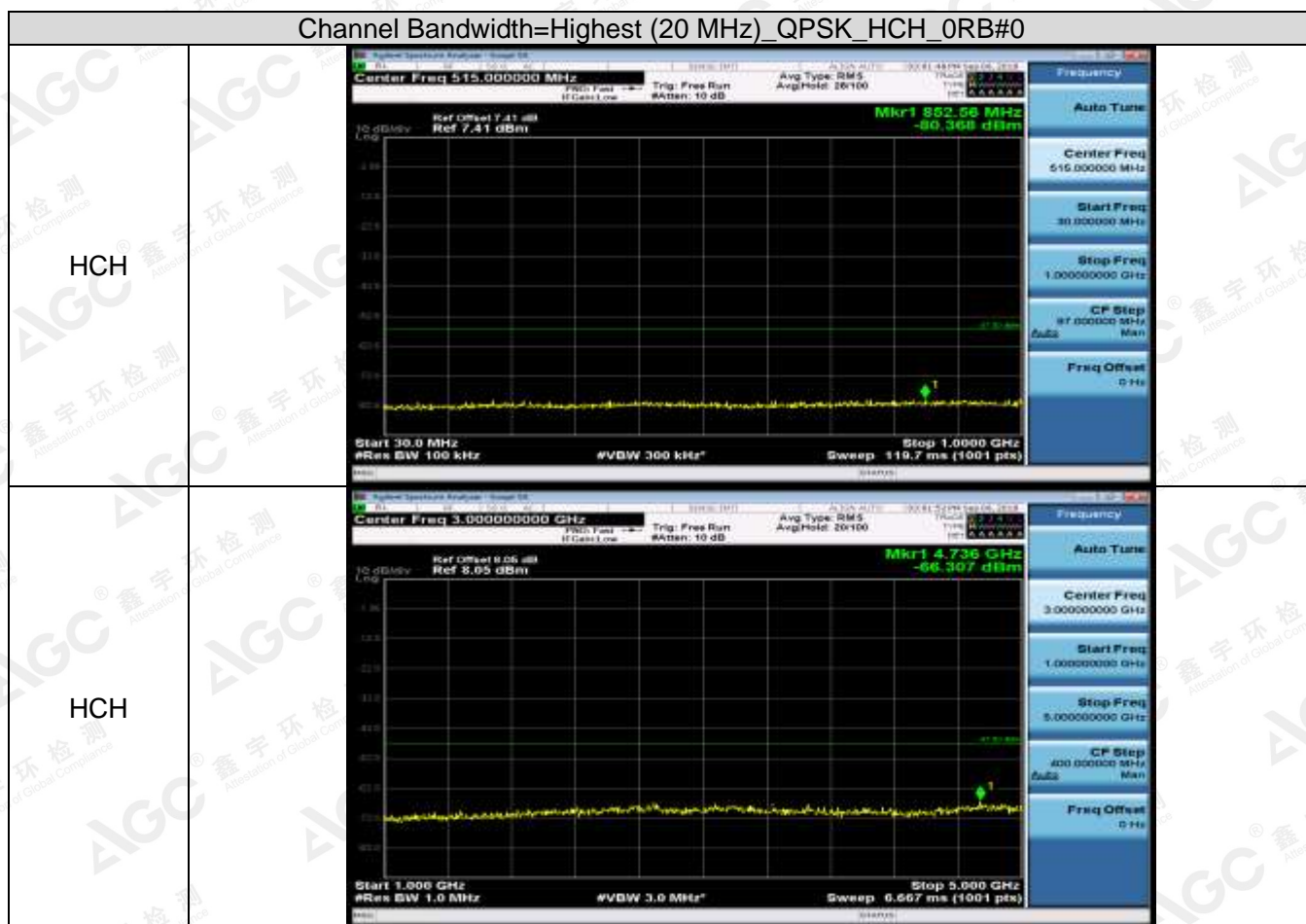
Channel Bandwidth=Highest



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7. 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	-86.19	-86.74	-87.32
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-73.52	-73.56	-73.91
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.66	-71.58	-72.49
Verdict	PASS					

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8. 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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9. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

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Out-of Band Blocking

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

Narrow Band

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

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10. 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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11. 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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12. Receiver Reference Sensitivity Level

Test Results

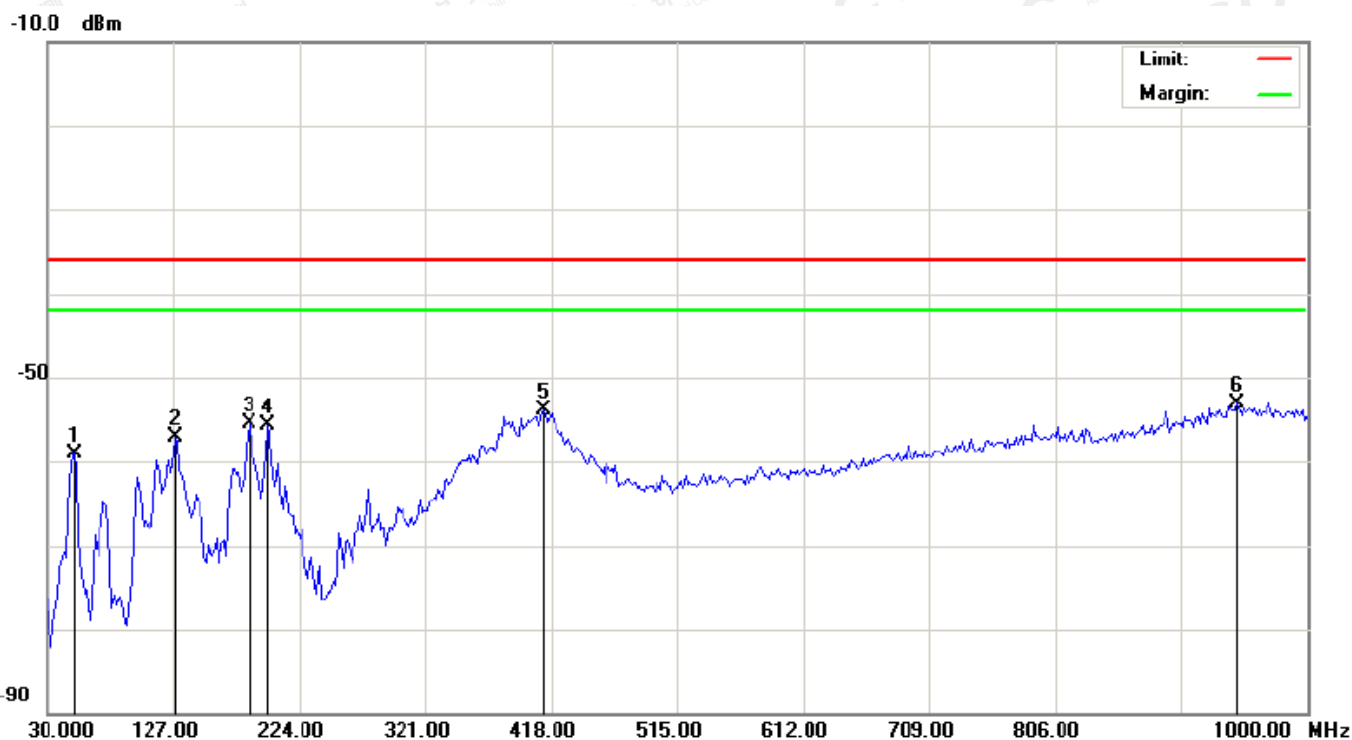
NTNV

	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfiguration		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
			FDD		FDD		
TNVN	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					
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					
TL,VH	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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APPENDIX F. RADIATED SPURIOUS EMISSIONS

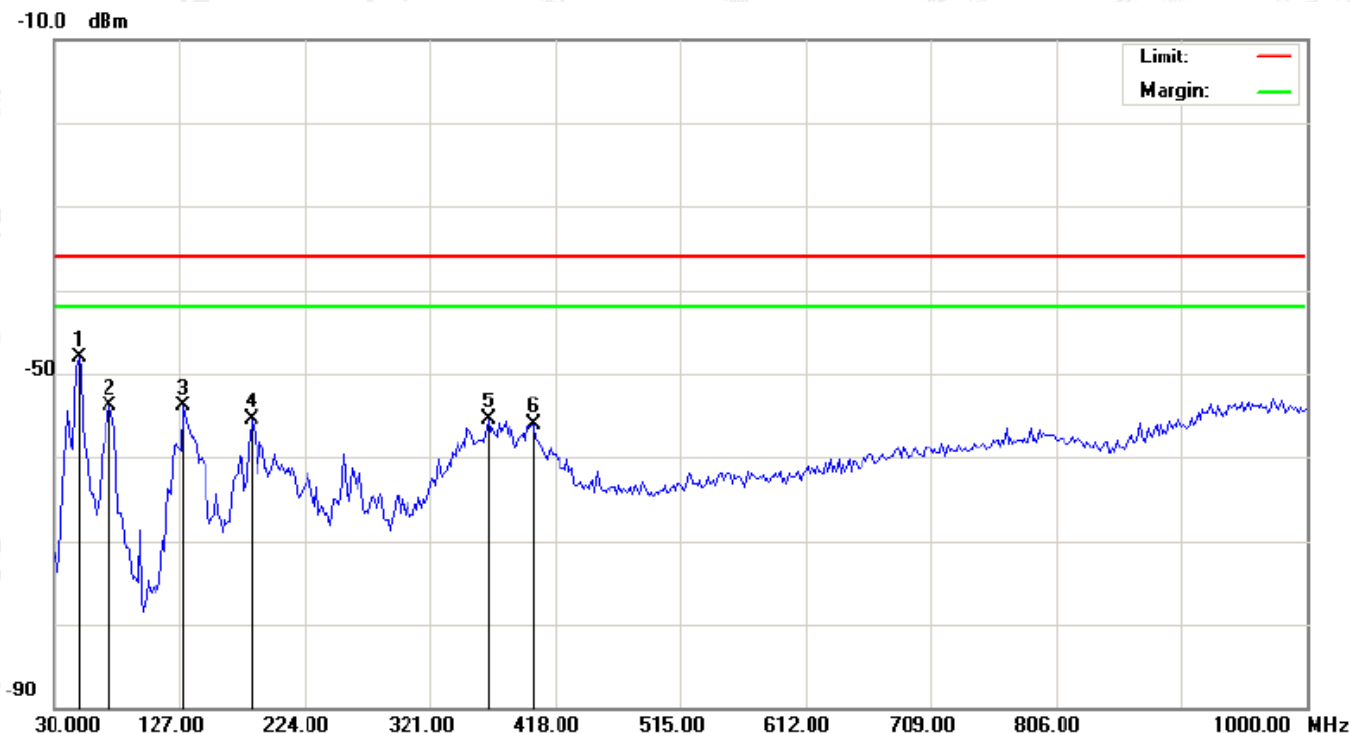
Radiated spurious emissions LTE band 1 Below 1GHZ- H



No.	Mk	Freq. MHz	Reading dBm	Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		51.0167	-91.25	32.15	-59.10	-36.00	-23.10	peak			
2		128.6167	-94.78	37.60	-57.18	-36.00	-21.18	peak			
3		185.2000	-89.52	34.06	-55.46	-36.00	-19.46	peak			
4		199.7500	-89.66	34.00	-55.66	-36.00	-19.66	peak			
5		411.5333	-95.33	41.35	-53.98	-36.00	-17.98	peak			
6	*	946.6500	-105.07	51.91	-53.16	-36.00	-17.16	peak			

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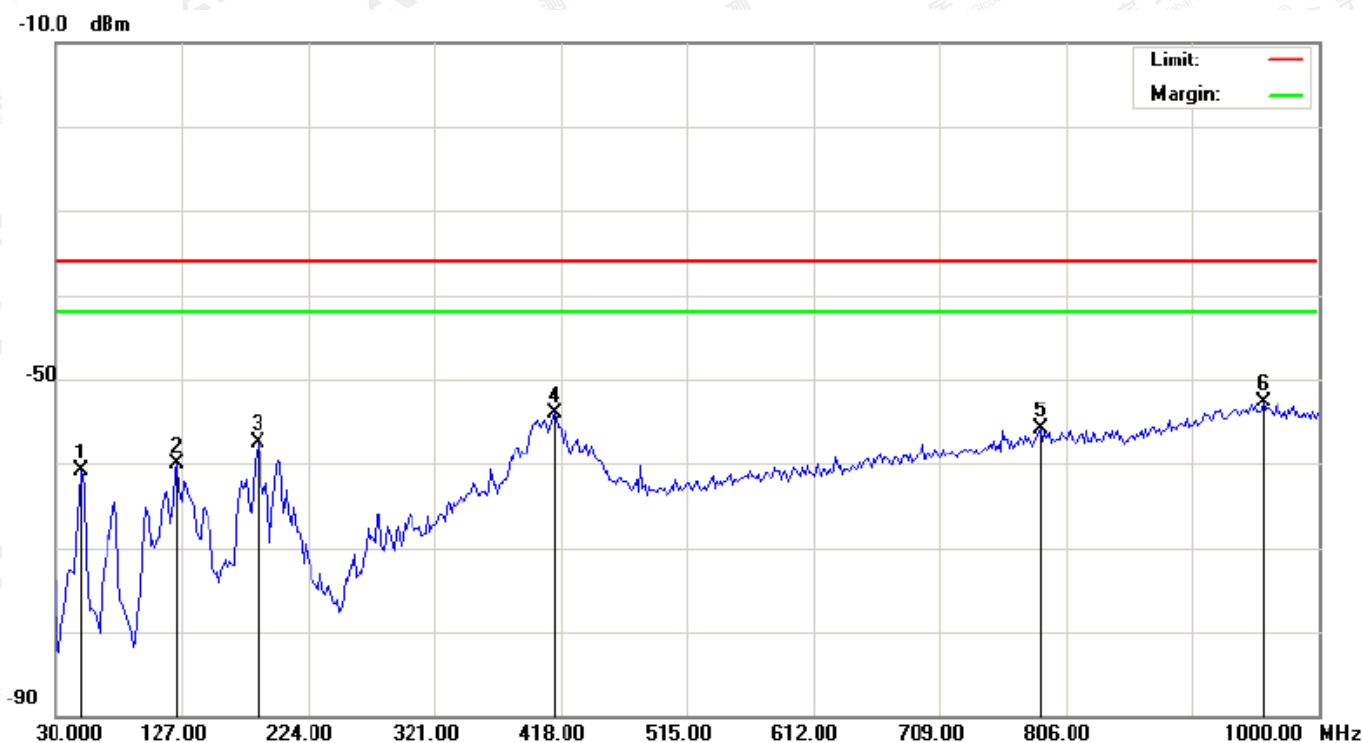
Radiated spurious emissions LTE band 1 Below 1GHZ- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1	*	49.4000	-78.29	30.27	-48.02	-36.00	-12.02	peak			
2		73.6500	-79.34	25.36	-53.98	-36.00	-17.98	peak			
3		130.2332	-87.04	33.13	-53.91	-36.00	-17.91	peak			
4		183.5833	-90.70	35.16	-55.54	-36.00	-19.54	peak			
5		366.2667	-96.41	40.95	-55.46	-36.00	-19.46	peak			
6		401.8333	-97.41	41.40	-56.01	-36.00	-20.01	peak			

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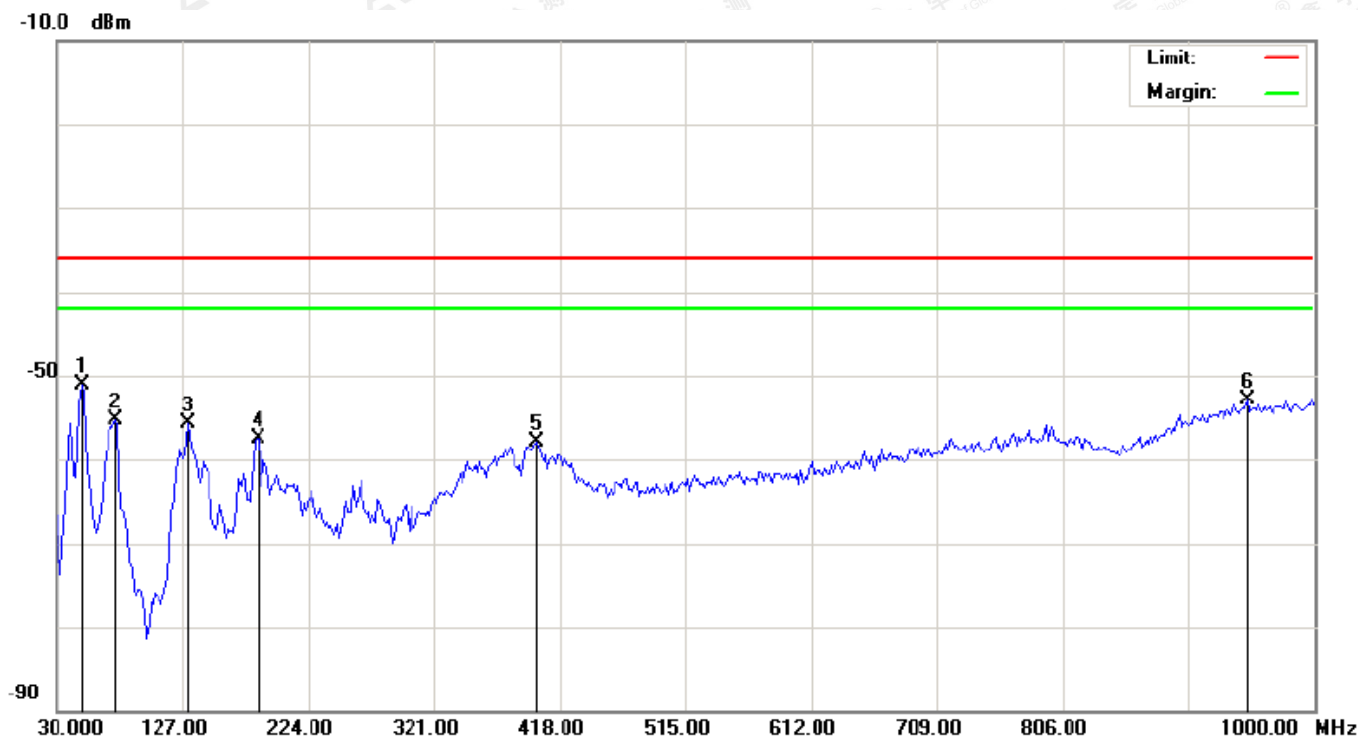
Radiated spurious emissions LTE band 3 Below 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		49.4000	-94.17	33.24	-60.93	-36.00	-24.93	peak			
2		123.7667	-97.66	37.63	-60.03	-36.00	-24.03	peak			
3		185.2000	-91.56	34.06	-57.50	-36.00	-21.50	peak			
4		413.1500	-95.45	41.39	-54.06	-36.00	-18.06	peak			
5		786.6000	-104.89	49.04	-55.85	-36.00	-19.85	peak			
6	*	957.9667	-104.68	51.92	-52.76	-36.00	-16.76	peak			

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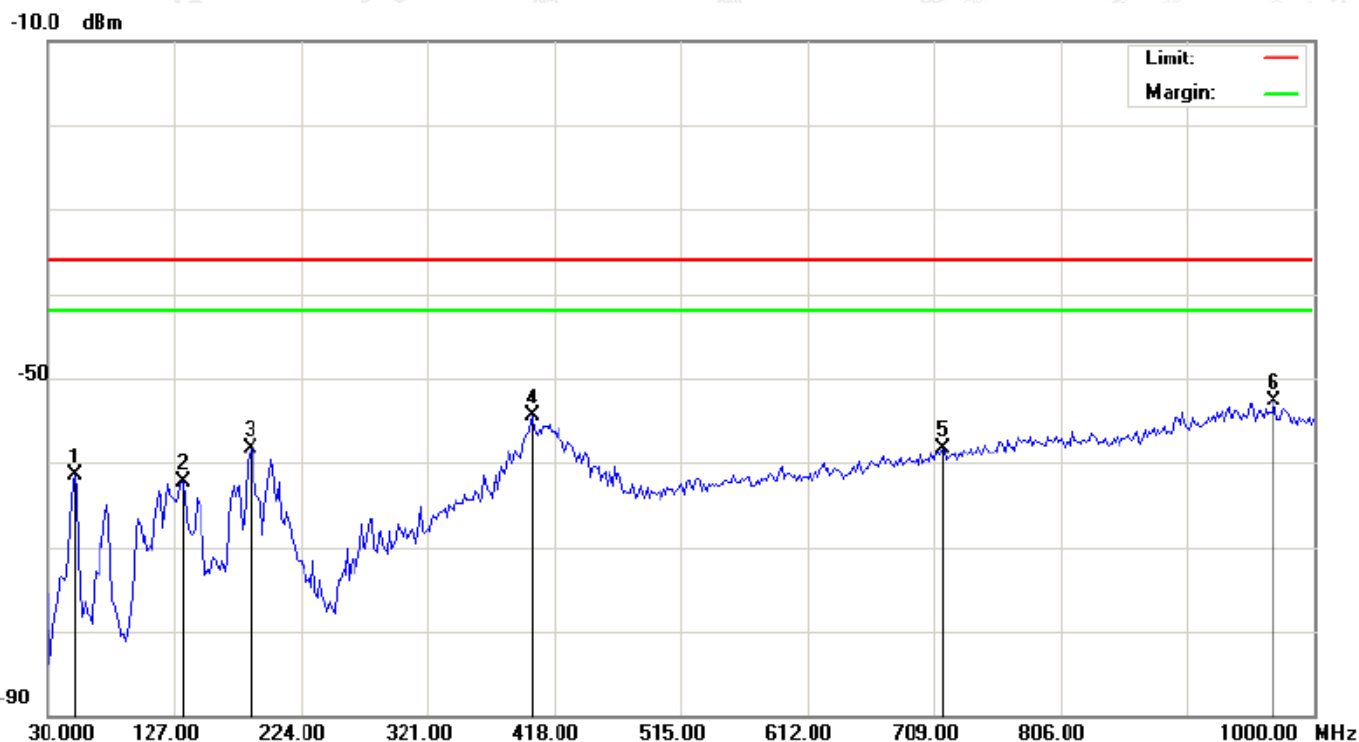
Radiated spurious emissions LTE band 3 Below 1GHZ- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1	*	49.4000	-81.42	30.27	-51.15	-36.00	-15.15	peak			
2		75.2667	-80.23	24.96	-55.27	-36.00	-19.27	peak			
3		131.8500	-89.46	33.80	-55.66	-36.00	-19.66	peak			
4		185.2000	-92.16	34.75	-57.41	-36.00	-21.41	peak			
5		400.2167	-99.32	41.36	-57.96	-36.00	-21.96	peak			
6		948.2667	-104.89	51.95	-52.94	-36.00	-16.94	peak			

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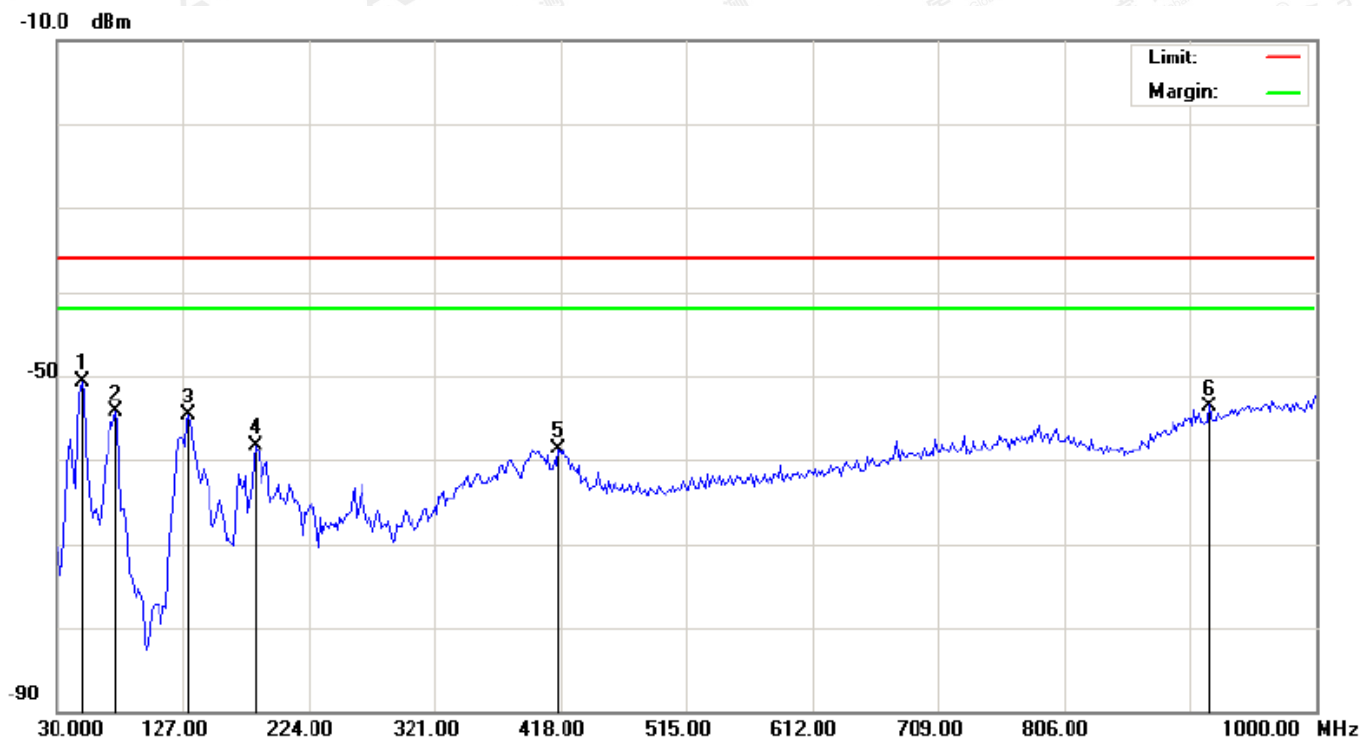
Radiated spurious emissions LTE band 7 Below 1GHZ- H



No.	Mk	Freq. MHz	Reading dBm	Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		51.0167	-93.70	32.15	-61.55	-36.00	-25.55	peak			
2		133.4667	-99.95	37.57	-62.38	-36.00	-26.38	peak			
3		185.2000	-92.28	34.06	-58.22	-36.00	-22.22	peak			
4		401.8333	-95.66	41.12	-54.54	-36.00	-18.54	peak			
5		715.4667	-105.80	47.50	-58.30	-36.00	-22.30	peak			
6	*	969.2833	-104.56	51.81	-52.75	-36.00	-16.75	peak			

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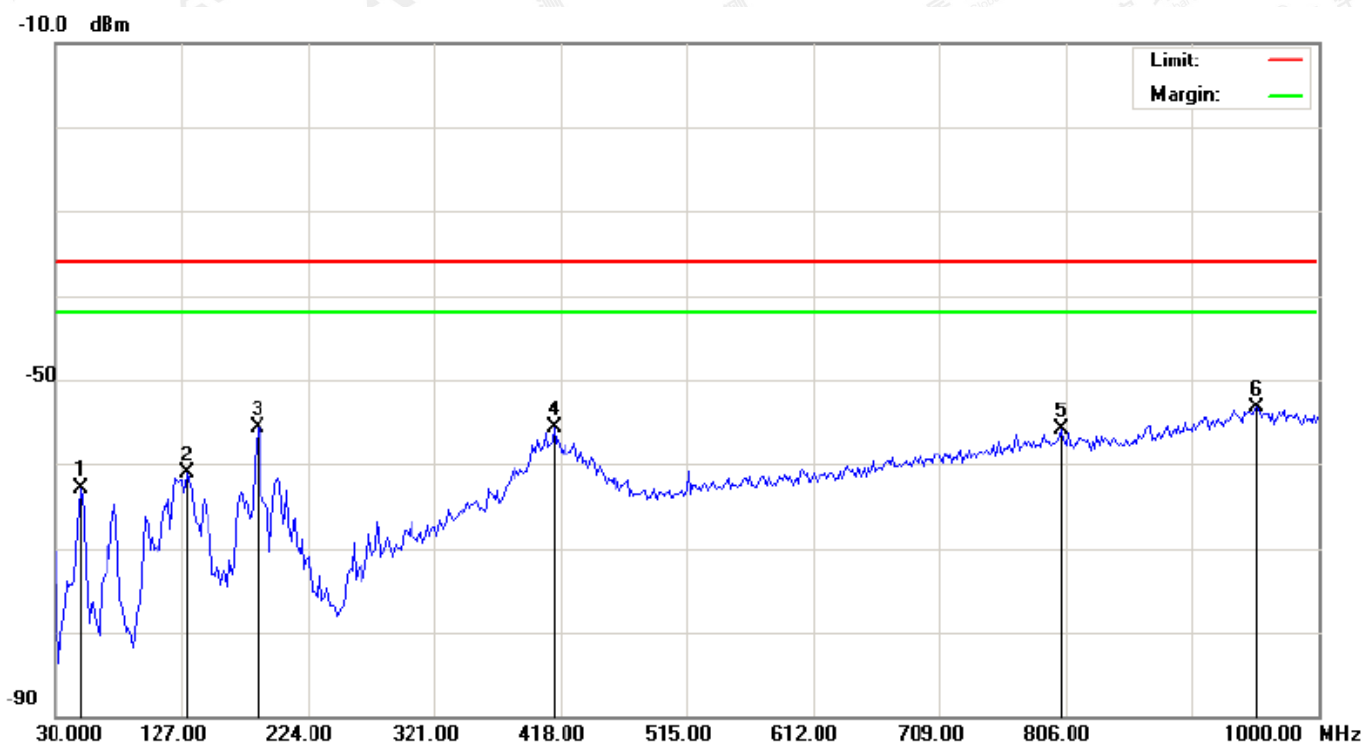
Radiated spurious emissions LTE band 7 Below 1GHZ- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1	*	49.4000	-81.03	30.27	-50.76	-36.00	-14.76	peak			
2		75.2667	-79.29	24.96	-54.33	-36.00	-18.33	peak			
3		131.8500	-88.44	33.80	-54.64	-36.00	-18.64	peak			
4		183.5833	-93.43	35.16	-58.27	-36.00	-22.27	peak			
5		416.3833	-100.37	41.76	-58.61	-36.00	-22.61	peak			
6		917.5500	-104.70	51.10	-53.60	-36.00	-17.60	peak			

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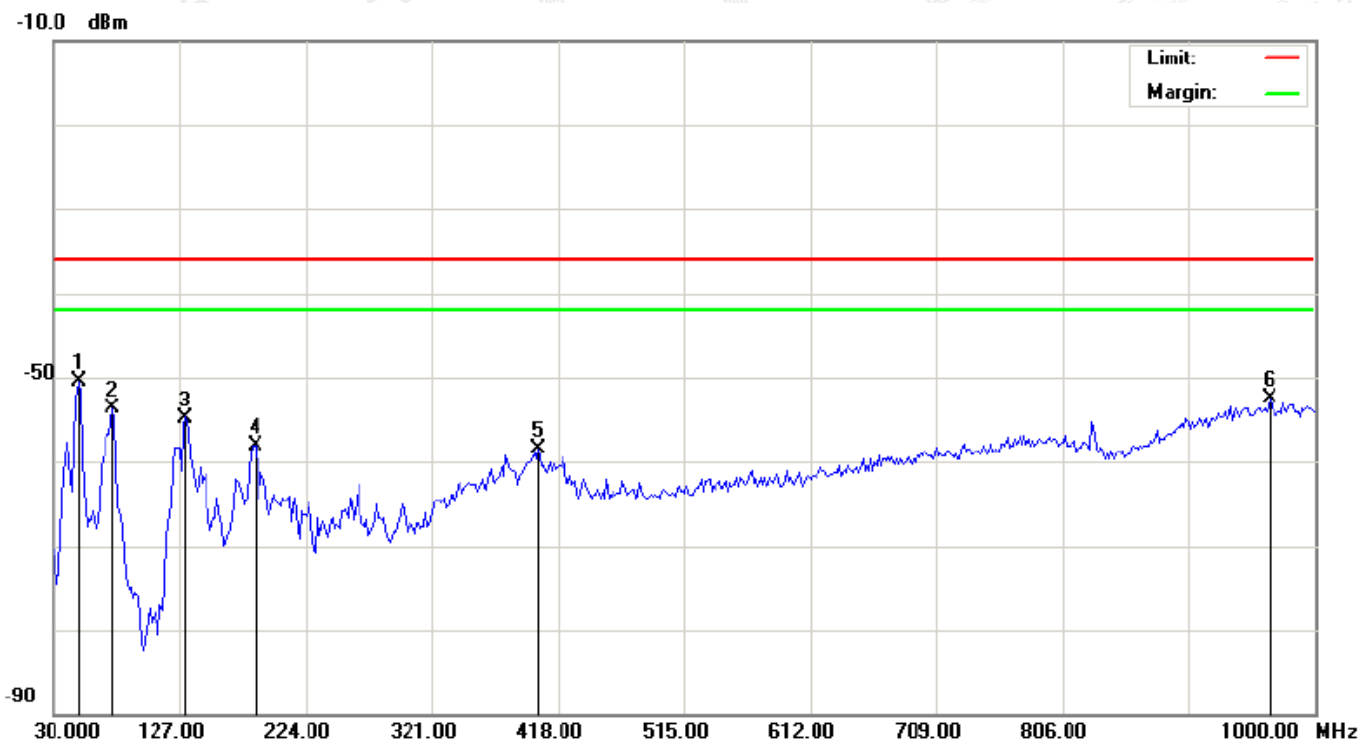
Radiated spurious emissions LTE band 8 Below 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		49.4000	-96.08	33.24	-62.84	-36.00	-26.84	peak			
2		131.8500	-98.75	37.58	-61.17	-36.00	-25.17	peak			
3		185.2000	-89.69	34.06	-55.63	-36.00	-19.63	peak			
4		413.1500	-97.01	41.39	-55.62	-36.00	-19.62	peak			
5		802.7667	-105.23	49.32	-55.91	-36.00	-19.91	peak			
6	*	953.1167	-105.26	51.97	-53.29	-36.00	-17.29	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	*	49.4000	-80.83	30.27	-50.56	-36.00	-14.56	peak			
2		75.2667	-78.72	24.96	-53.76	-36.00	-17.76	peak			
3		131.8500	-88.60	33.80	-54.80	-36.00	-18.80	peak			
4		185.2000	-92.80	34.75	-58.05	-36.00	-22.05	peak			
5		403.4500	-99.84	41.44	-58.40	-36.00	-22.40	peak			
6		966.0500	-104.74	52.17	-52.57	-36.00	-16.57	peak			

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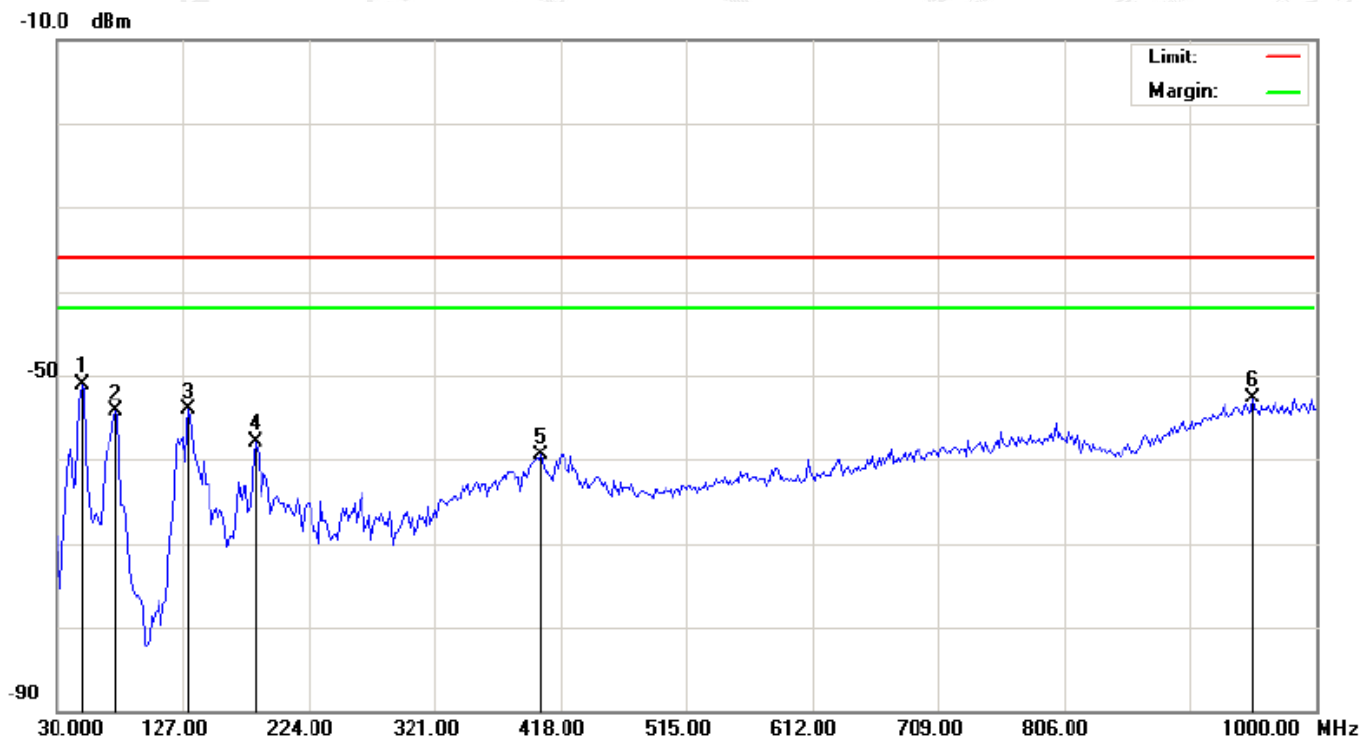
Radiated spurious emissions LTE band 20 Below 1GHz- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		49.4000	-97.08	33.24	-63.84	-36.00	-27.84	peak			
2		122.1500	-99.03	37.64	-61.39	-36.00	-25.39	peak			
3		185.2000	-92.63	34.06	-58.57	-36.00	-22.57	peak			
4		411.5333	-97.77	41.35	-56.42	-36.00	-20.42	peak			
5		775.2833	-104.85	48.81	-56.04	-36.00	-20.04	peak			
6	*	951.5000	-105.44	51.99	-53.45	-36.00	-17.45	peak			

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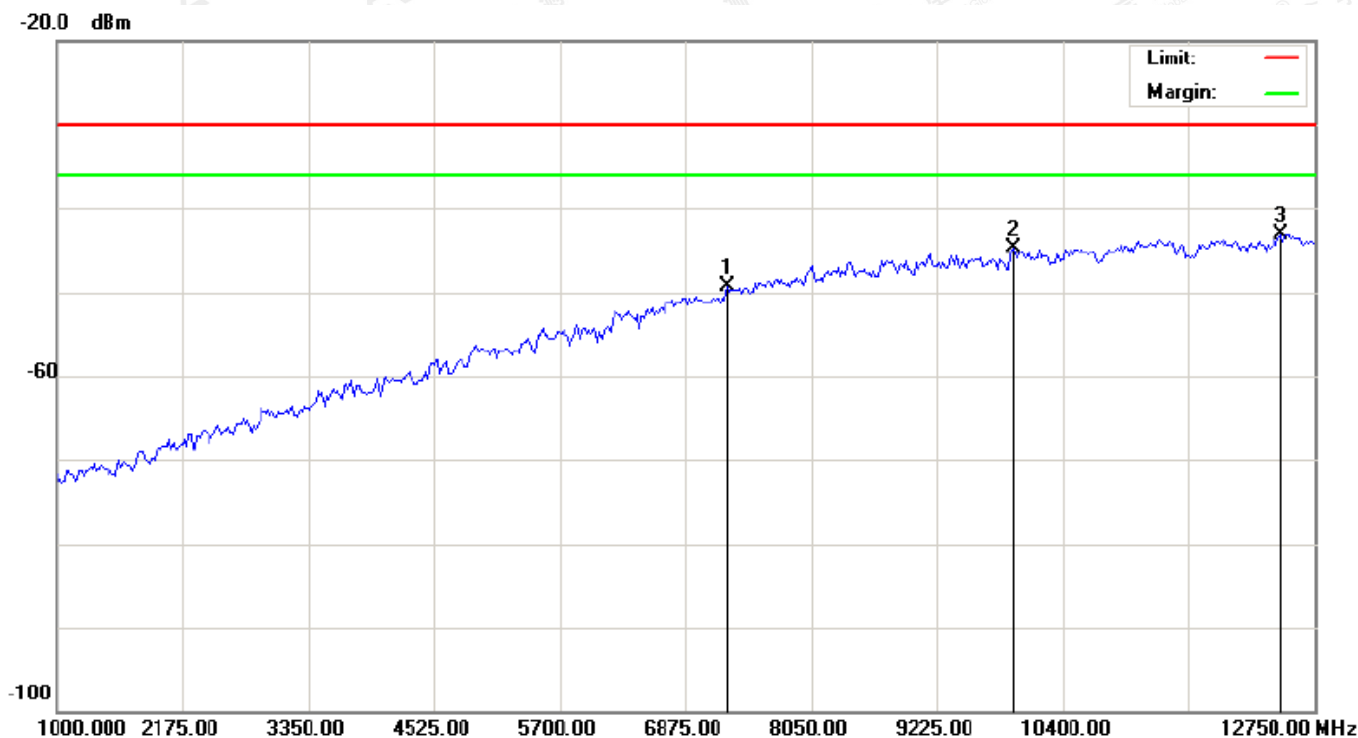
Radiated spurious emissions LTE band 20 Below 1GHz- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1	*	49.4000	-81.41	30.27	-51.14	-36.00	-15.14	peak			
2		75.2667	-79.35	24.96	-54.39	-36.00	-18.39	peak			
3		131.8500	-87.80	33.80	-54.00	-36.00	-18.00	peak			
4		183.5833	-93.09	35.16	-57.93	-36.00	-21.93	peak			
5		403.4500	-100.88	41.44	-59.44	-36.00	-23.44	peak			
6		951.5000	-104.69	52.02	-52.67	-36.00	-16.67	peak			

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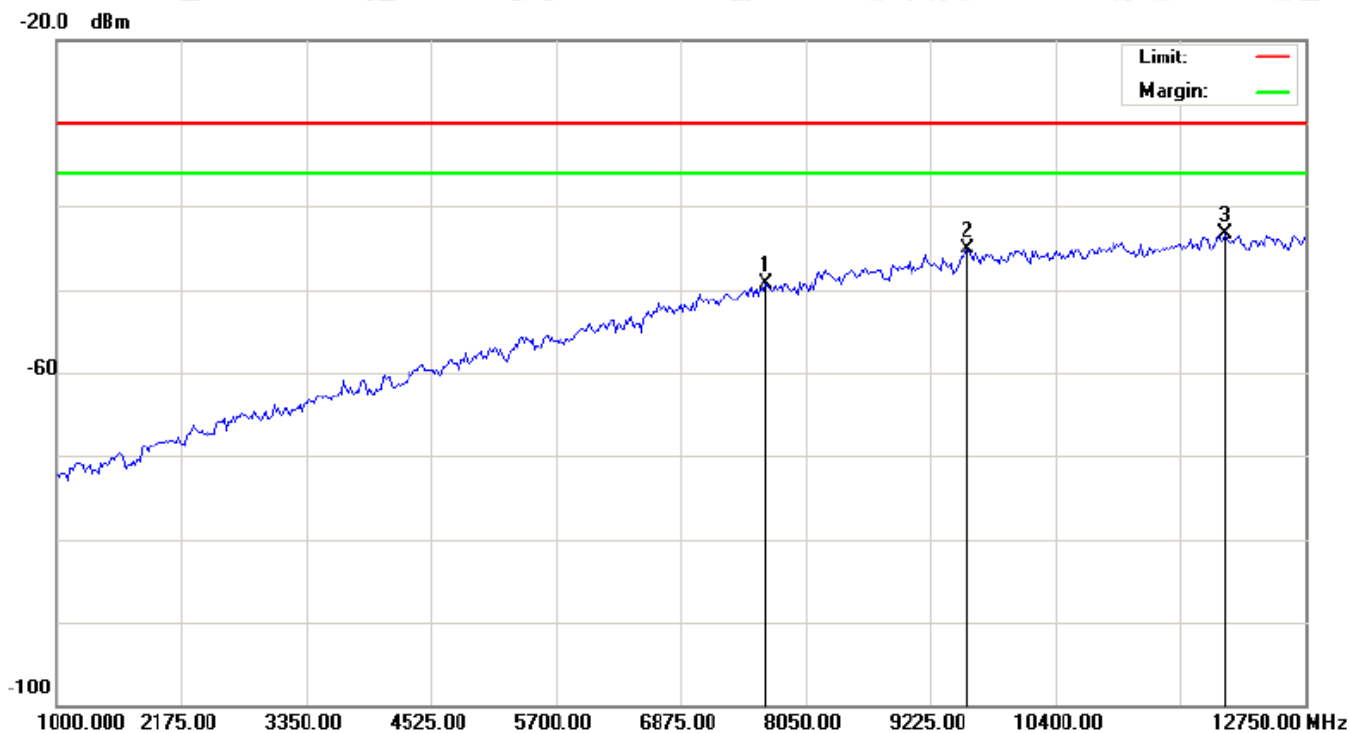
Radiated spurious emissions LTE band 1 Above 1GHz- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7266.667	-64.83	15.47	-49.36	-30.00	-19.36	peak			
2		9930.000	-60.52	15.89	-44.63	-30.00	-14.63	peak			
3	*	12436.667	-61.86	18.76	-43.10	-30.00	-13.10	peak			

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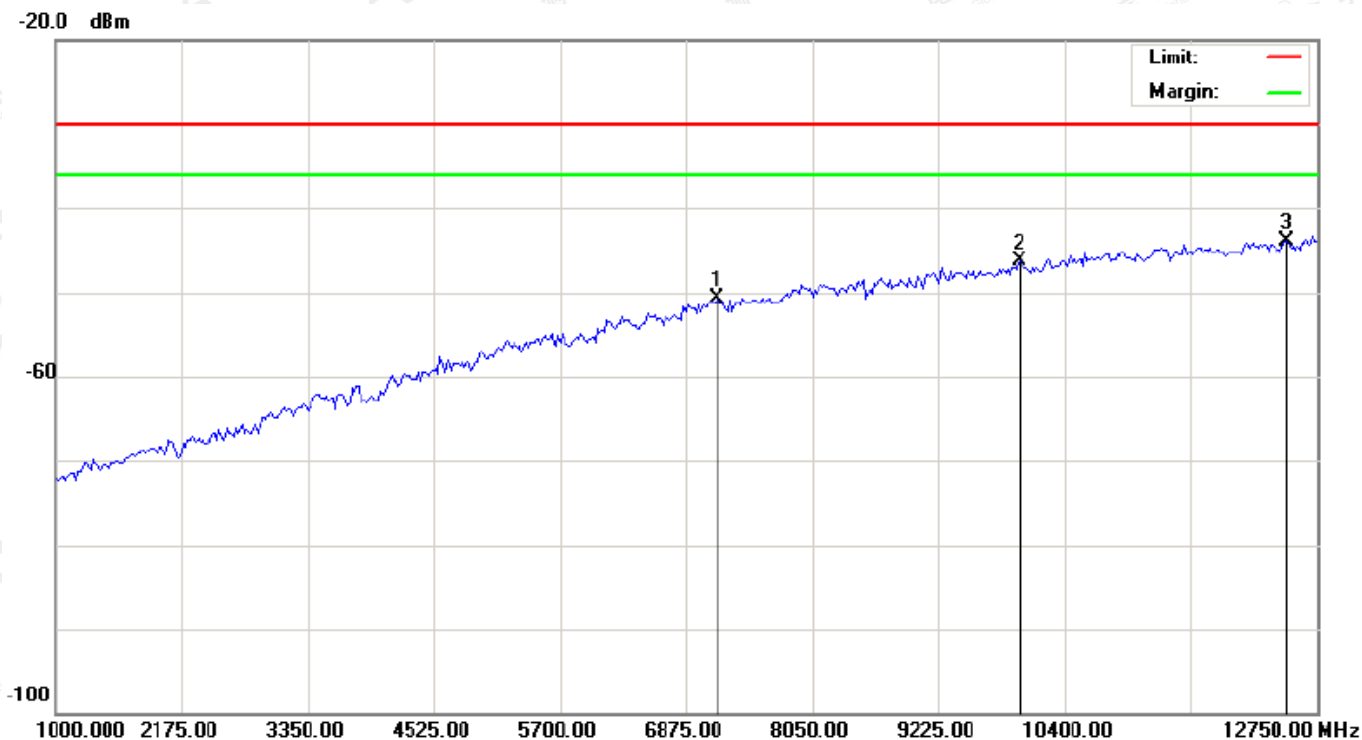
Radiated spurious emissions LTE band 1 Above 1GHZ- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7677.917	-64.71	15.36	-49.35	-30.00	-19.35	peak			
2		9577.500	-61.26	16.11	-45.15	-30.00	-15.15	peak			
3	*	12005.833	-61.29	17.97	-43.32	-30.00	-13.32	peak			

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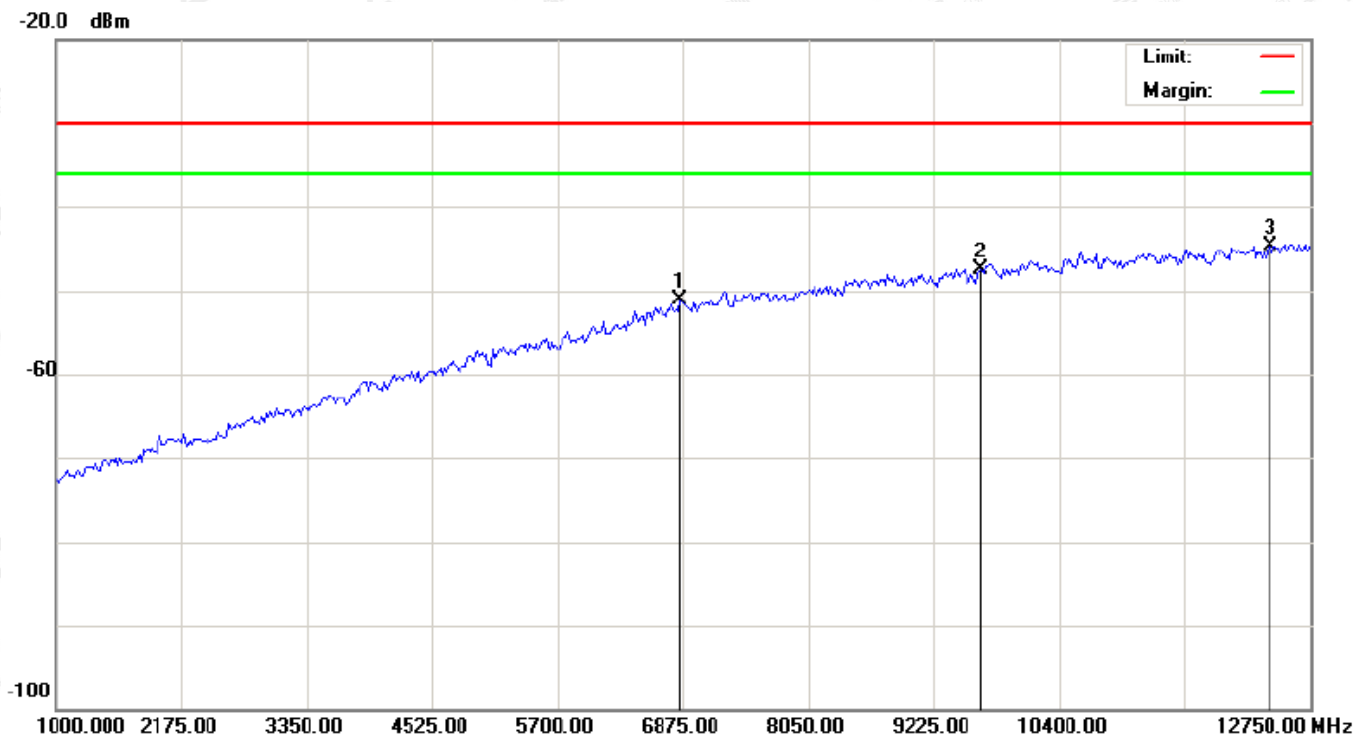
Radiated spurious emissions LTE band 3 Above 1GHZ- H



No.	Mk	Freq. MHz	Reading dBm	Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		7168.750	-66.09	15.49	-50.60	-30.00	-20.60	peak			
2		9988.750	-62.15	15.86	-46.29	-30.00	-16.29	peak			
3	*	12475.833	-62.73	18.84	-43.89	-30.00	-13.89	peak			

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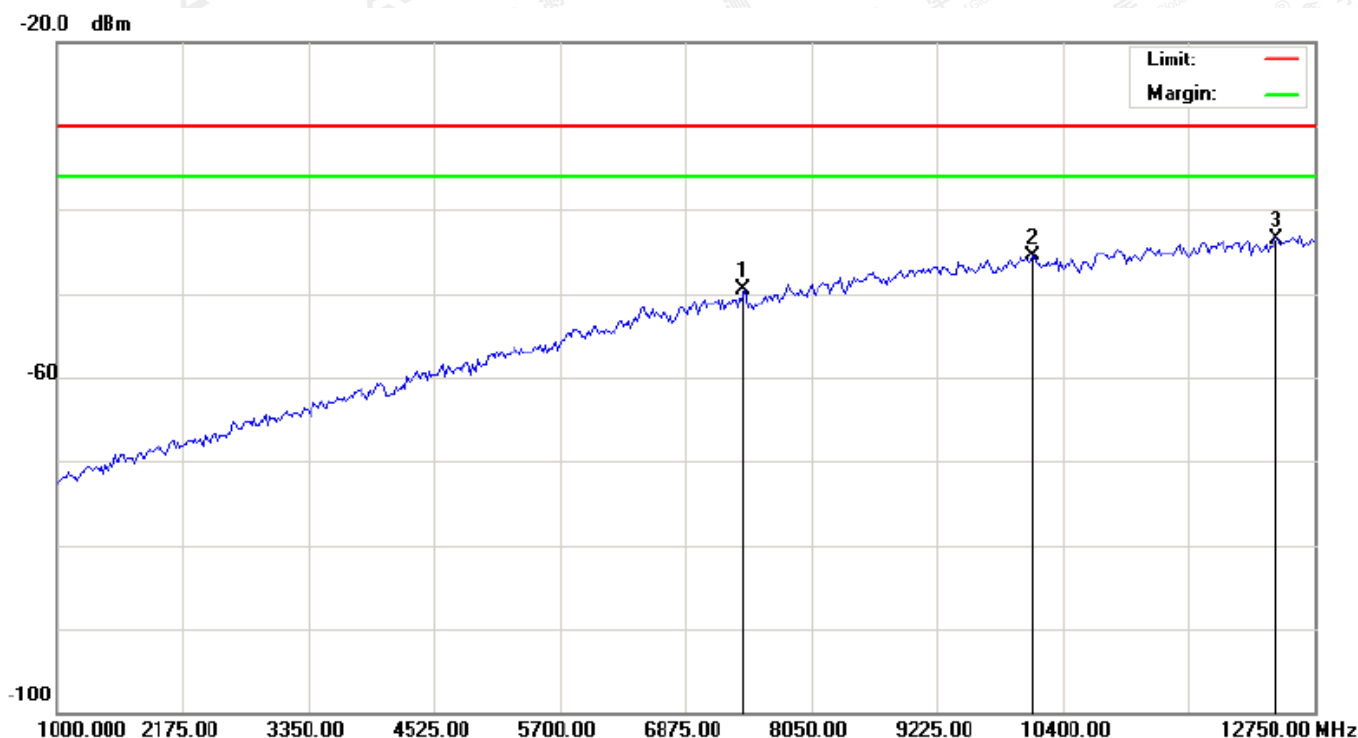
Radiated spurious emissions LTE band 3 Above 1GHZ- V



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	-66.26	15.19	-51.07	-30.00	-21.07	peak			
2		9675.417	-63.57	16.05	-47.52	-30.00	-17.52	peak			
3	*	12377.917	-63.30	18.65	-44.65	-30.00	-14.65	peak			

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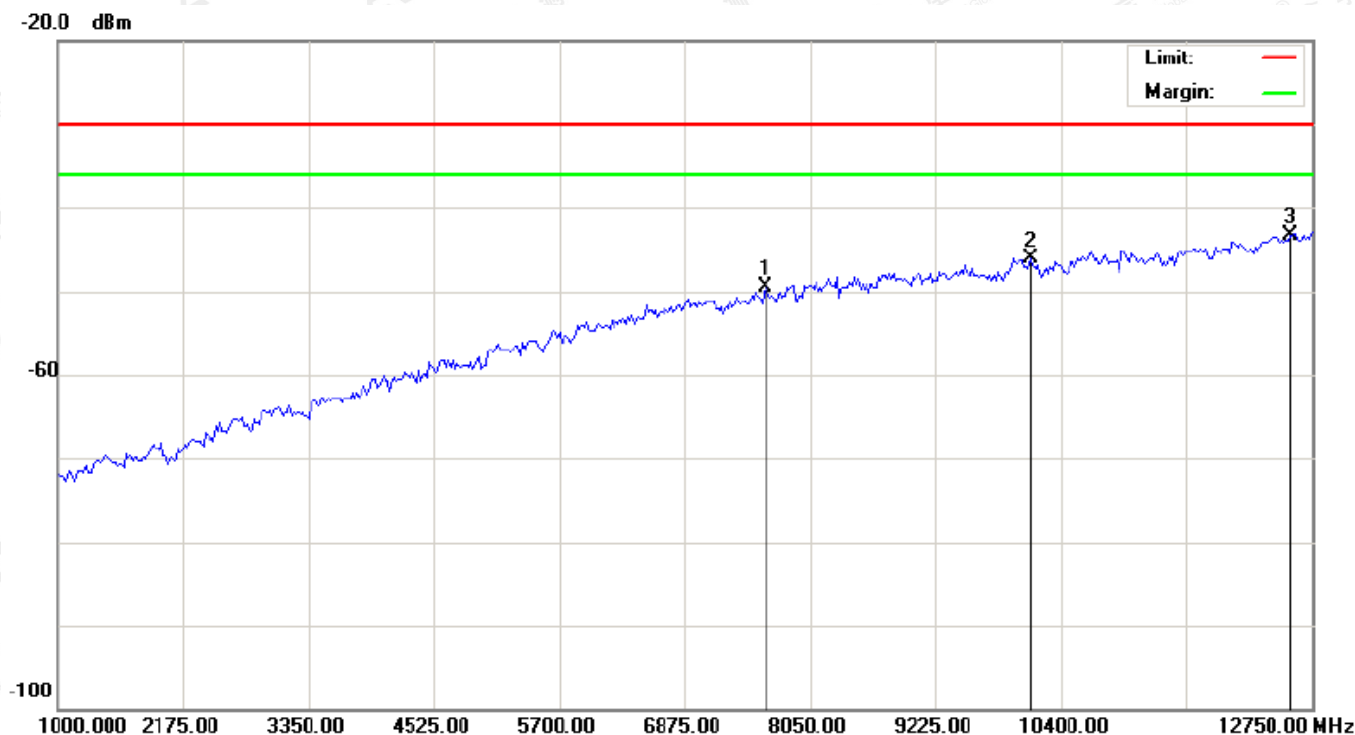
Radiated spurious emissions LTE band 7 Above 1GHZ- H



No.	Mk	Freq. MHz	Reading dBm	Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		7423.333	-64.96	15.43	-49.53	-30.00	-19.53	peak			
2		10125.833	-61.24	15.78	-45.46	-30.00	-15.46	peak			
3	*	12397.500	-62.09	18.69	-43.40	-30.00	-13.40	peak			

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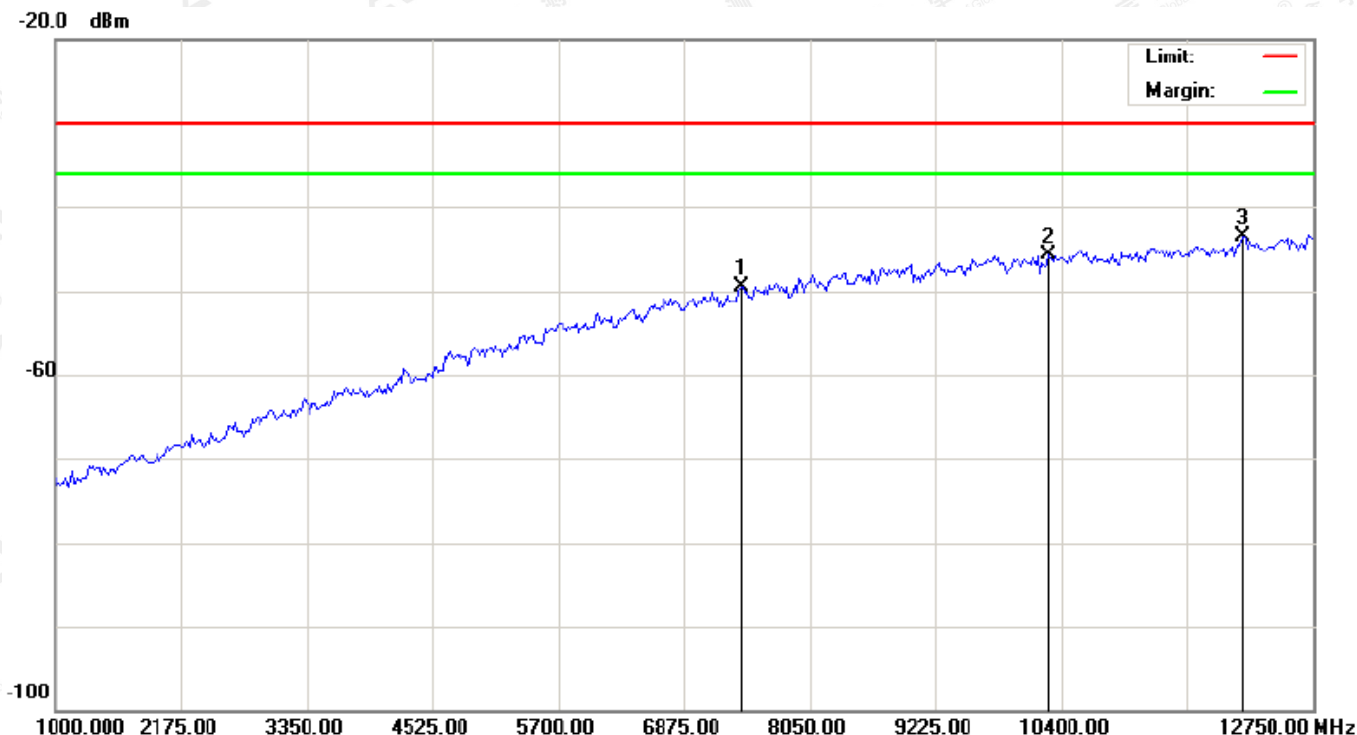
Radiated spurious emissions LTE band 7 Above 1GHZ- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7638.750	-64.90	15.37	-49.53	-30.00	-19.53	peak			
2		10125.833	-61.91	15.78	-46.13	-30.00	-16.13	peak			
3	*	12554.167	-62.28	18.98	-43.30	-30.00	-13.30	peak			

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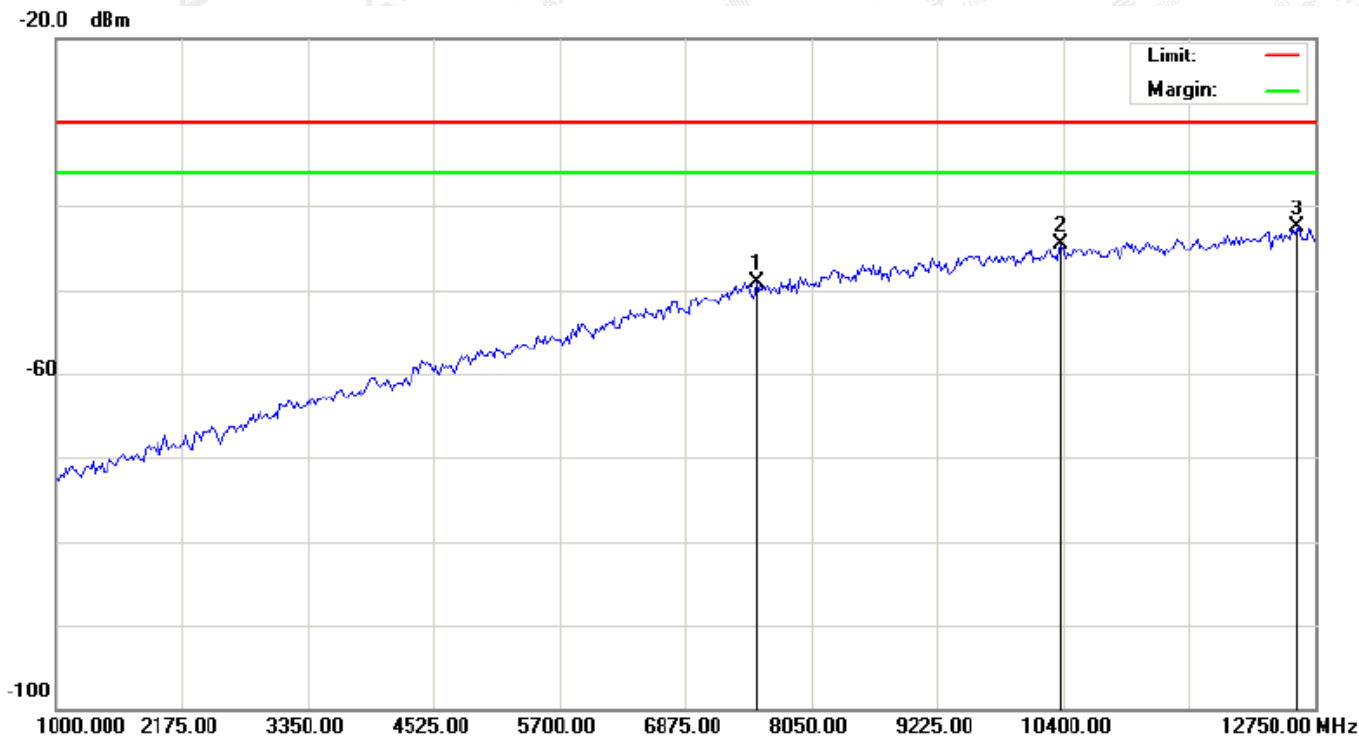
Radiated spurious emissions LTE band 8 Above 1GHZ- H



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7423.333	-64.96	15.43	-49.53	-30.00	-19.53	peak			
2		10282.500	-61.32	15.69	-45.63	-30.00	-15.63	peak			
3	*	12103.750	-61.66	18.15	-43.51	-30.00	-13.51	peak			

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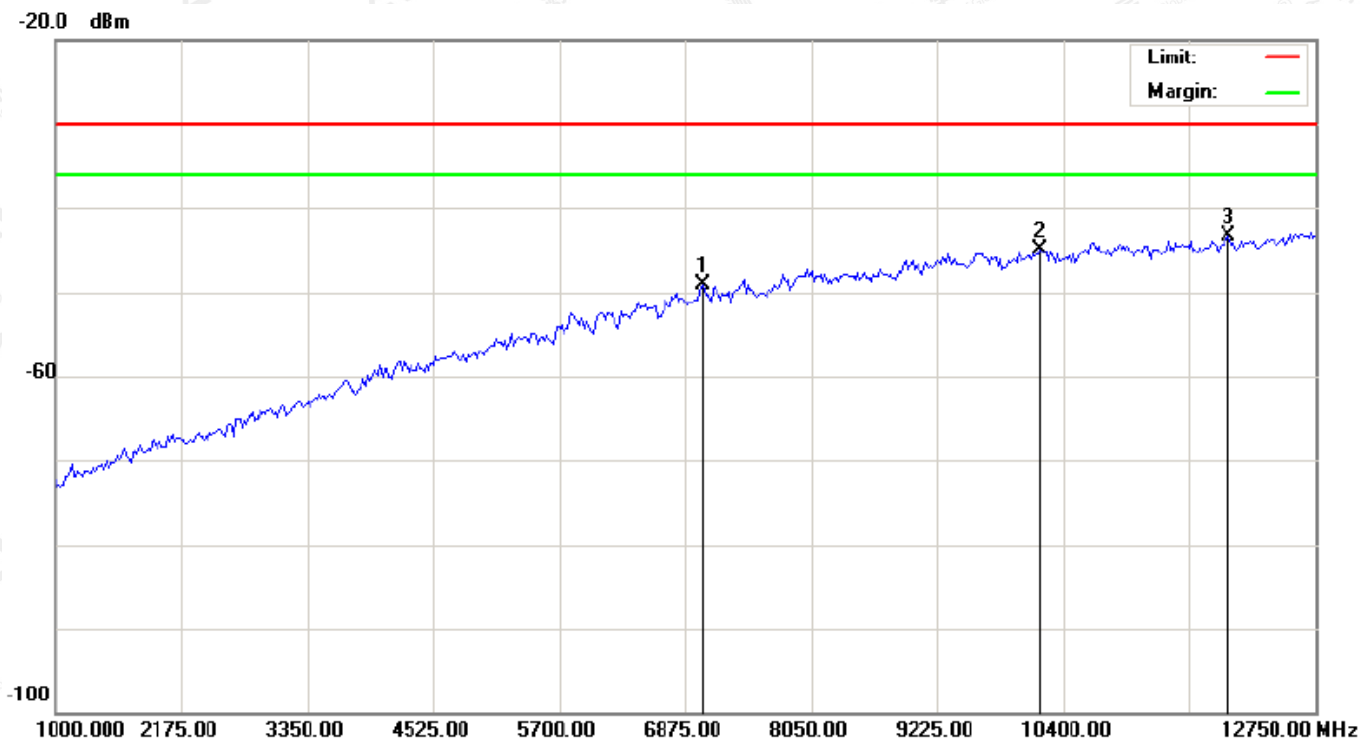
Radiated spurious emissions LTE band 8 Above 1GHZ- V



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7540.833	-64.54	15.39	-49.15	-30.00	-19.15	peak			
2		10380.417	-60.09	15.63	-44.46	-30.00	-14.46	peak			
3	*	12593.333	-61.63	19.05	-42.58	-30.00	-12.58	peak			

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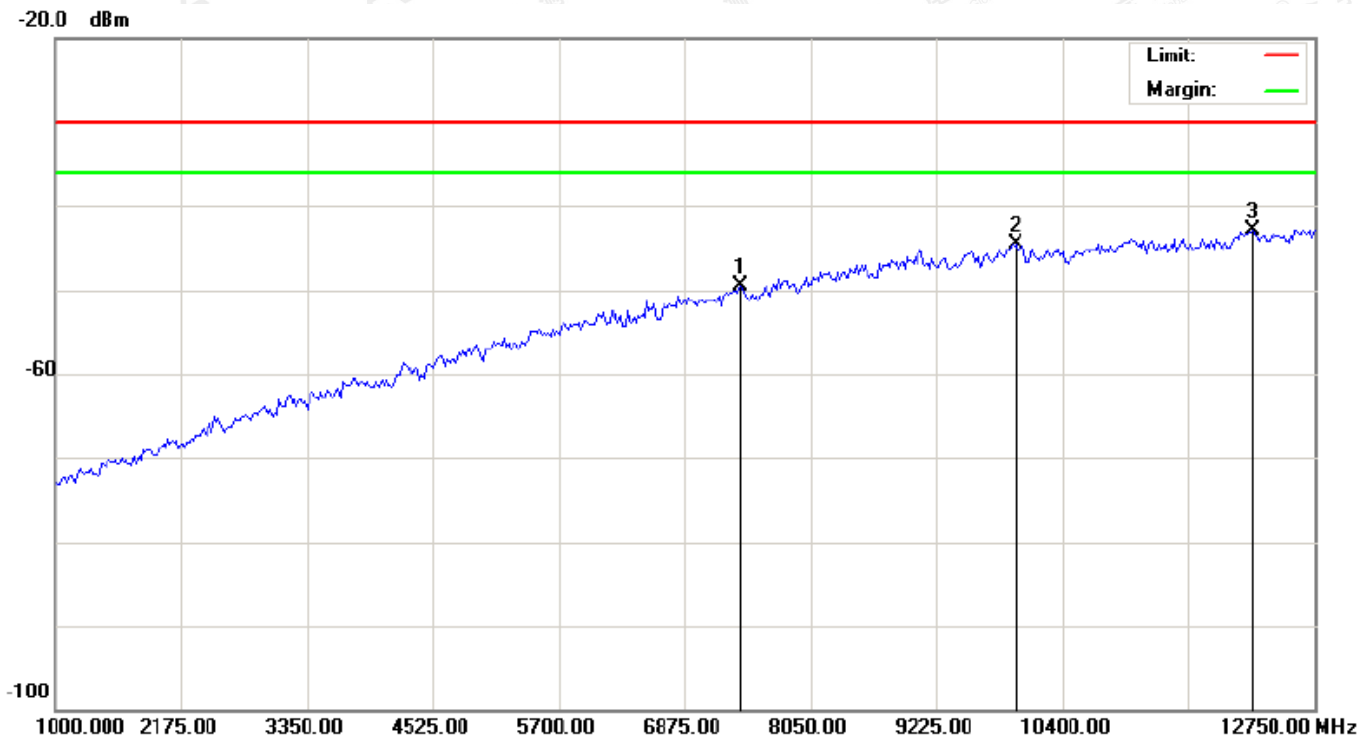
Radiated spurious emissions LTE band 20 Above 1GHz- H



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	-64.56	15.53	-49.03	-30.00	-19.03	peak			
2		10184.583	-60.72	15.74	-44.98	-30.00	-14.98	peak			
3	*	11947.083	-61.17	17.85	-43.32	-30.00	-13.32	peak			

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Radiated spurious emissions LTE band 20 Above 1GHz- V

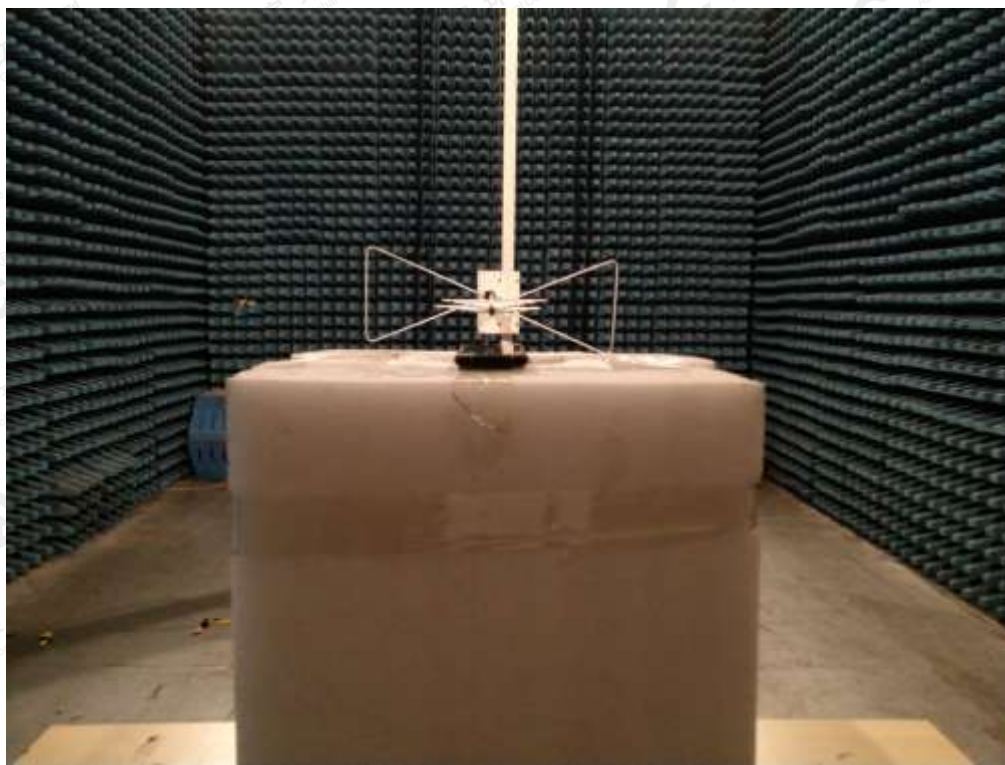


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB		cm	degree	
1		7403.750	-64.98	15.43	-49.55	-30.00	-19.55	peak			
2		9969.167	-60.41	15.87	-44.54	-30.00	-14.54	peak			
3	*	12182.083	-61.15	18.29	-42.86	-30.00	-12.86	peak			

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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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