

RF Test Report

Report No.: AGC00552190803EE10

PRODUCT DESIGNATION : Smart Phone
BRAND NAME : CUBOT
MODEL NAME : P30
APPLICANT : Shenzhen Huafurui Technology Co., Ltd.
DATE OF ISSUE : Sep. 04, 2019
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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V1.0	/	Sep. 04, 2019	Valid	Initial release



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1. TEST REPORT CERTIFICATION

Manufacturer	Shenzhen Huafului 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 Huafului 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 Huafului 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	P30
Date of test	Aug. 22, 2019~Sep. 04, 2019
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-EC-LTE2/RF

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

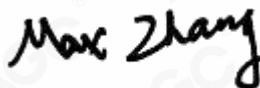
Prepared By



Jeast Zhan
(Project Engineer)

Sep. 04, 2019

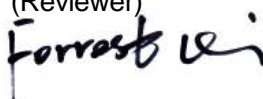
Reviewed By



Max Zhang
(Reviewer)

Sep. 04, 2019

Approved By



Forrest Lei
Authorized Officer

Sep. 04, 2019

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	P30
Product Type	LTE
Hardware Version	Q935_MB_V1.0
Software Version	CUBOT_P30_9091C-V01_20190807
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 type="checkbox"/> FDD Band 2 <input type="checkbox"/> FDD Band 4 <input type="checkbox"/> FDD Band 5 <input type="checkbox"/> FDD Band 17 <input type="checkbox"/> FDD Band 25 <input type="checkbox"/> FDD Band 26 <input type="checkbox"/> TDD Band 41 (Non-EU Bands)
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	1.17dBi(Band 1); 1.5dBi(Band 3); 0.7 dBi(Band 7);1.2dBi(Band 8); 1.4dBi(Band 20)
Diversity Antenna Gain	1.10dBi(Band 1); 1.4dBi(Band 3); 0.6dBi(Band 7);1.0dBi(Band 8); 1.25dBi(Band 20)
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.

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	P30
Product Type	FDD Band 1; FDD Band 3; FDD Band 7; FDD Band 8; FDD Band 20
Frequency Bands	QPSK/16QAM;



2.2. TYPE OF PICS/PIXIT INFORMATION

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

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

Note 1: Band 6 is not applicable.

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

3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

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

LIST OF EQUIPMENTS USED OF AGC&NETC

No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
1	H & T Chamber ETH225-40A	Test EQ	WIT-05121302	Feb. 27, 2019	Feb. 26, 2020
2	Wireless communication test CMW500	R&S	120909	July 11, 2019	July 10, 2020
3	Wireless communication test set 8960	Agilent	GB46200384	July 11, 2019	July 10, 2020
4	Power Splitter 7100LC	KALMUS	04-02/17-06-001	June 12,2019	June 11, 2020
5	Attenuator	JFW	50FHC-006-50	June 12,2019	June 11, 2020
6	Vector Signal Generator SMU200A	R&S	104332	Sep. 20, 2018	Sep. 19, 2019
8	EXA Signal Analyzer N9010A	Agilent	MY53470504	Dec. 20, 2018	Dec. 19, 2019
9	MXG Vector Signal Generator N5182A	AGILENT	MY50140530	Sep. 20, 2018	Sep. 19, 2019
10	PSG Analog Signal Generator E8257D	AGILENT	MY45141029	Sep. 20, 2018	Sep. 19, 2019
11	MXA Signal Analyzer N9020A	AGILENT	W1312-60196	Dec. 20, 2018	Dec. 19, 2019
12	Universal Switch Control Unit	JS TONSCEND	N/A	---	---
13	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug.18, 2018	Aug.17, 2019
13	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug.16, 2019	Aug.15, 2020
14	DC Power Source	N/A	GBD-60V30A	Mar. 01, 201	Feb. 28, 2019
14	DC Power Source	N/A	GBD-60V30A	Feb. 27, 2019	Feb. 26, 2020
15	Attenuator	JFW	50FHC-006-50	June 12,2019	June 11, 2020
16	EMI Test Receiver	ESCI	100694	June 12,2019	June 11, 2020
17	Double-Ridged Waveguide Horn Antenna	ETS LINDGREN	00034609	Mar. 01, 2018	Feb. 28, 2020



No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
	3117				
18	Broadband Antenna VULB9168	SCHWARZBECK	D69250	Mar. 01, 2018	Feb. 28, 2020
19	Triple Loop Antenna RF300	LAPLACE	N/A	Mar. 01, 2018	Feb. 28, 2020
20	Artificial Mains Network ENV4200	R&S	101116	July 11, 2019	July 10, 2020
21	Artificial Mains Network ENV216	R&S	101242	July 11, 2019	July 10, 2020
22	Filter Bank Notch 1(880-915MHz)	MICRO-TRONIC S	010	Feb. 27, 2019	Feb. 26, 2020
23	Filter Bank Notch 2(1710-1785MHz)	MICRO-TRONIC S	009	Feb. 27, 2019	Feb. 26, 2020
24	Filter Bank Notch 3(1920-1980MHz)	MICRO-TRONIC S	008	Feb. 27, 2019	Feb. 26, 2020



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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	30 ... 75 %
Air Pressure	980 ... 1020 kPa
Adapter Test Model Name	HJ-0502000W2-EU
Details of Power Supply (Rated Input)	AC100-240V, 50/60Hz, 0.3A
Details of Power Supply (Rated Output)	DC5.0V,2000mA
Extreme Temperature	Low Temperature (TL) = -10°C High Temperature (TH) = +40°C
Extreme Voltage of the EUT	Low Voltage = DC 3.27V Normal Voltage = DC 3.85V High Voltage = DC 4.40V
<p>Note: The Limit Voltage 4.40V was declared by manufacturer, The EUT couldn't be operate normally with higher voltage. The maximum temperature of 40 is not a standard requirement and is measured according to the maximum service temperature stated by the manufacturer.</p>	

5.3. ITEMS USED IN THE TEST RESULTS LIST

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

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



5.4. TEST RESULTS LIST

ETSI EN 301 908-1

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

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



ETSI EN 301 908-13

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



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

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

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



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

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

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



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

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

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

Appendix A for Band 1

1. Transmitter Maximum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	23.66	Pass
					max	23.65	Pass
				Partial	0	23.71	Pass
					max	23.71	Pass
			Mid range	1	0	23.45	Pass
					max	23.42	Pass
				Partial	0	23.54	Pass
					max	23.48	Pass
			High range	1	0	23.10	Pass
					max	22.97	Pass
				Partial	0	22.70	Pass
					max	22.67	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.11	Pass
					max	22.99	Pass
				Partial	0	23.08	Pass
					max	22.90	Pass
			Mid range	1	0	22.96	Pass
					max	22.77	Pass
				Partial	0	22.97	Pass
					max	22.74	Pass
			High range	1	0	22.64	Pass
					max	22.53	Pass
				Partial	0	22.76	Pass
					max	22.57	Pass



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2. Transmitter Minimum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-49.29	Pass
			Mid range	Full	0	-50.68	Pass
			High range	Full	0	-51.30	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-51.46	Pass
			Mid range	Full	0	-50.66	Pass
			High range	Full	0	-51.53	Pass



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
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



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E-mail: agc@agc-cert.com

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

Channel Bandwidth=Highest (20 MHz)


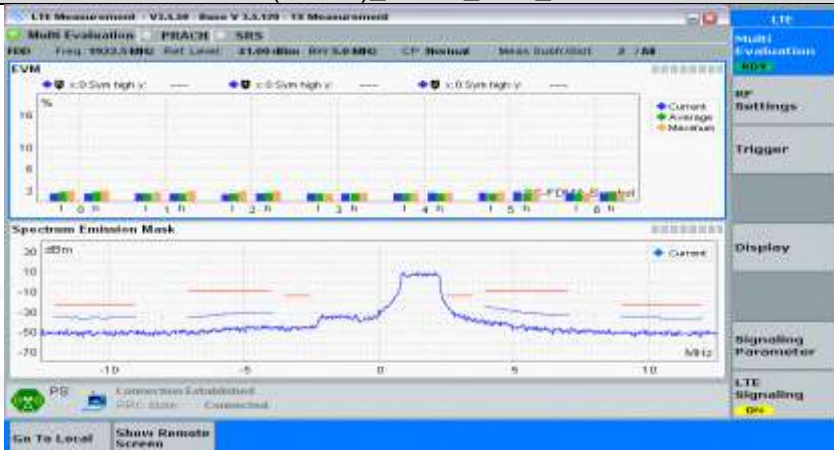

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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

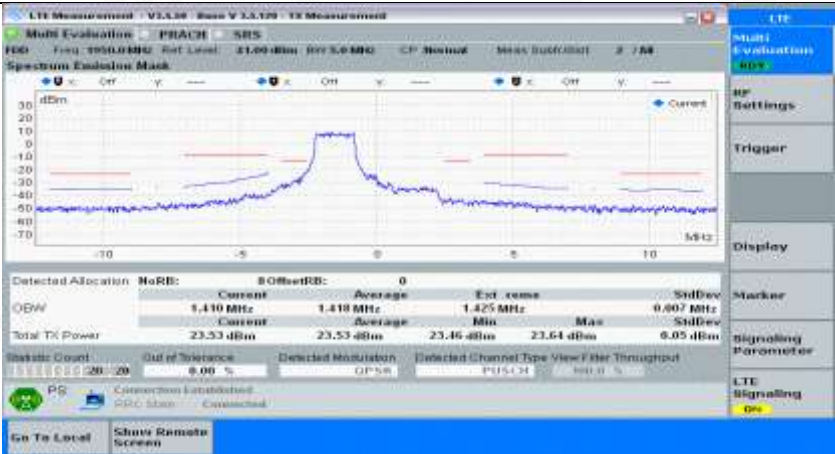
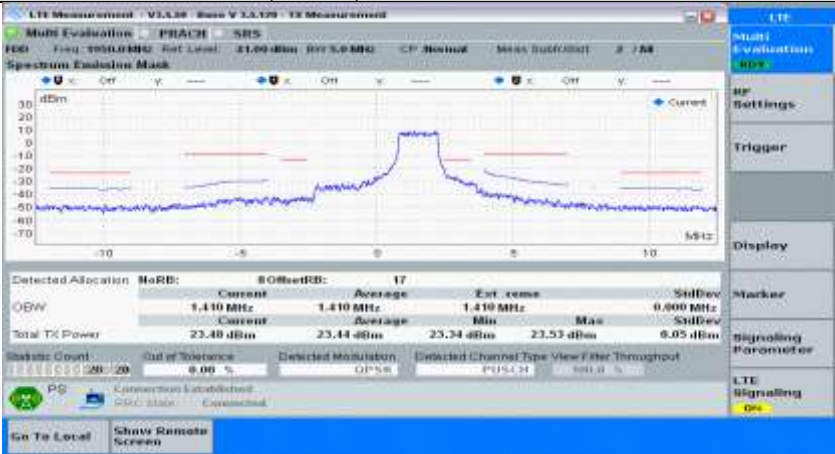
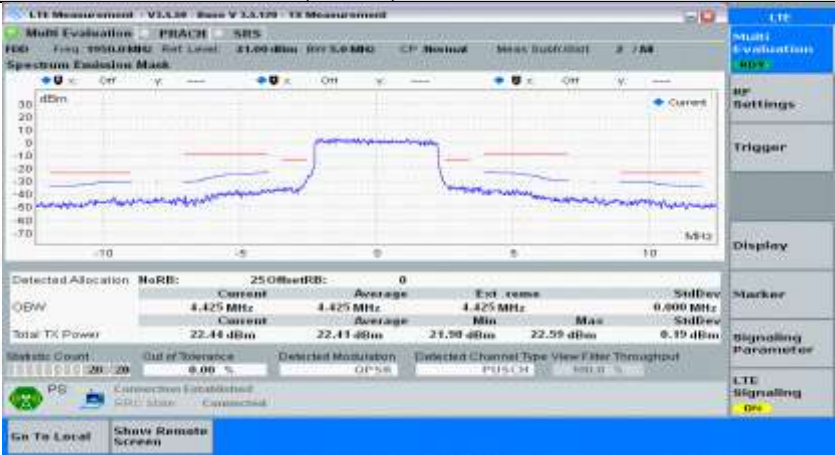
Test Graphs

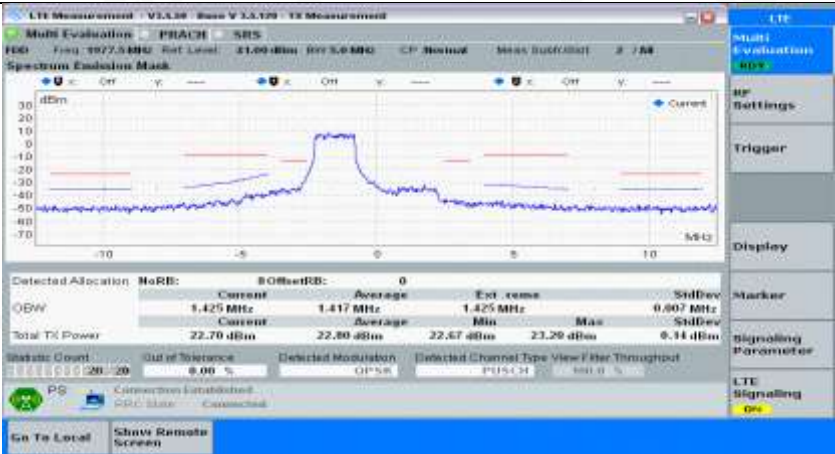
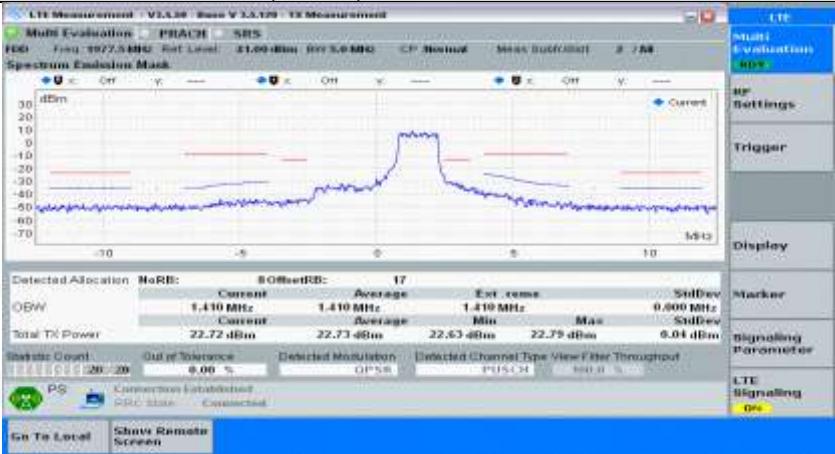
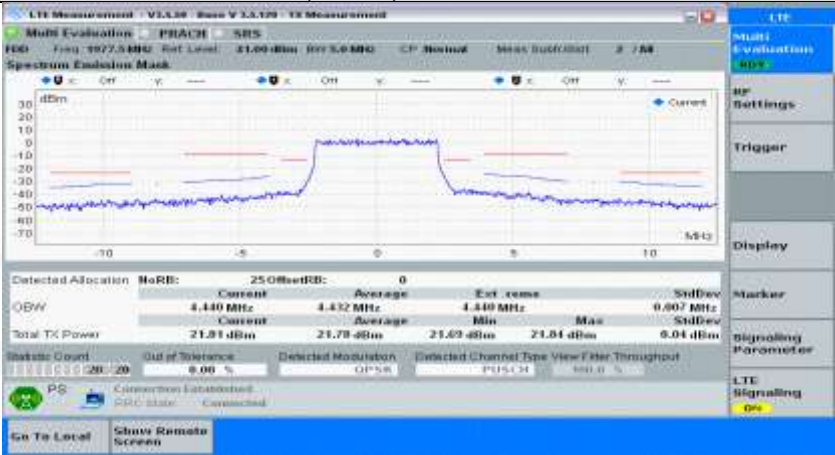
NTNV

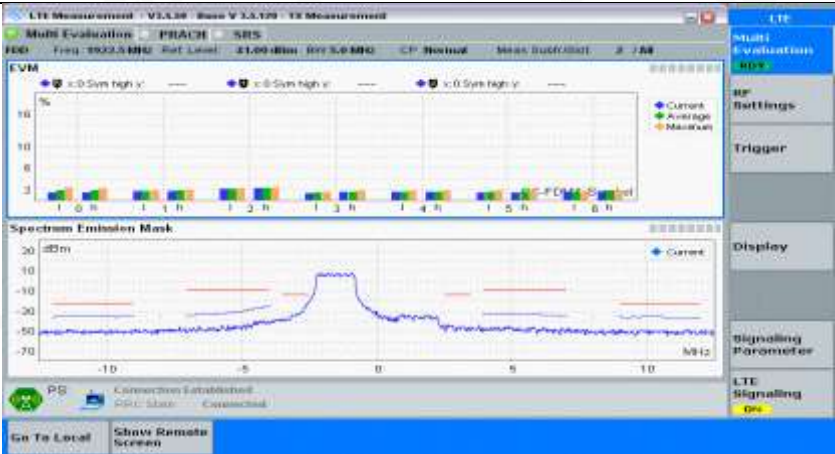
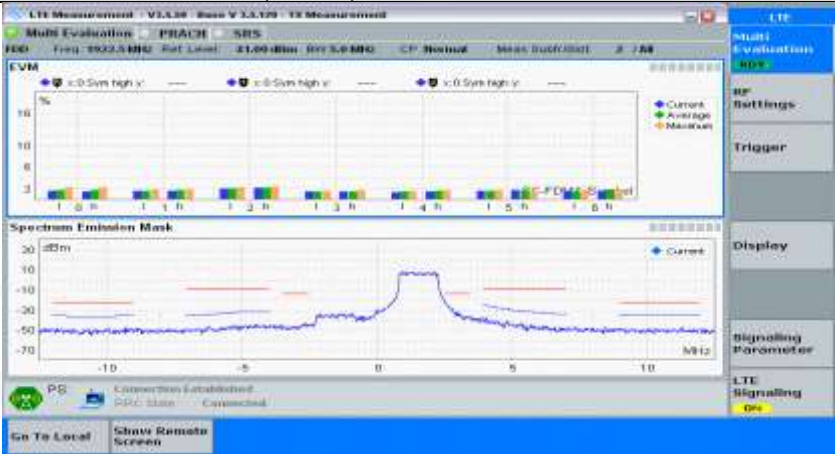
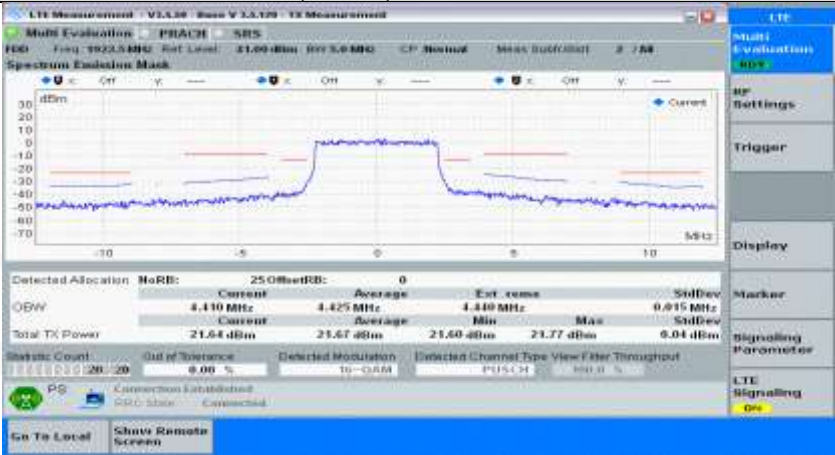
Channel Bandwidth=Lowest (5 MHz)

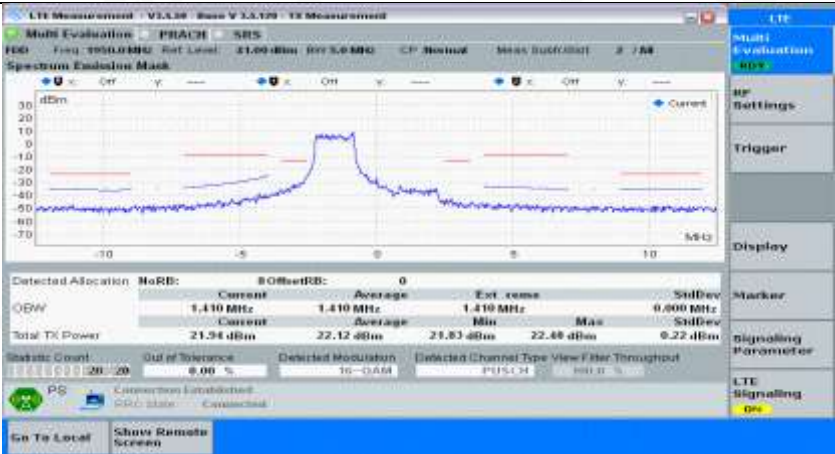
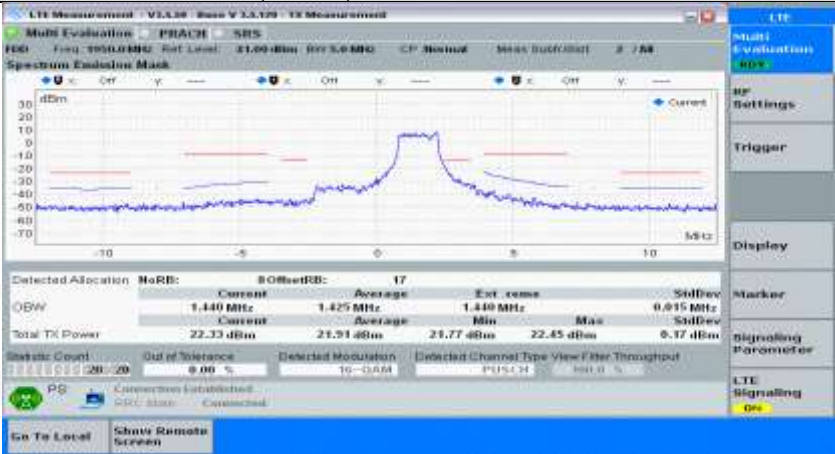

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

QPSK																																						
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max																																						
QPSK																																						
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0																																						
QPSK	 <table data-bbox="462 1487 1299 1671"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB</th><th colspan="2">25.0MHzRB</th><th colspan="2">Average</th><th colspan="2">Ext. reme</th><th colspan="2">StdDev</th></tr><tr><td>QBW</td><td>4.440 MHz</td><td>Current</td><td>4.432 MHz</td><td>Average</td><td>4.440 MHz</td><td>0.007 MHz</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Total TX Power</td><td>22.79 dBm</td><td>Current</td><td>22.77 dBm</td><td>Average</td><td>22.74 dBm</td><td>22.87 dBm</td><td>0.05 dBm</td><td></td><td></td><td></td><td></td></tr></table>	Detected Allocation		NoRB		25.0MHzRB		Average		Ext. reme		StdDev		QBW	4.440 MHz	Current	4.432 MHz	Average	4.440 MHz	0.007 MHz						Total TX Power	22.79 dBm	Current	22.77 dBm	Average	22.74 dBm	22.87 dBm	0.05 dBm					
Detected Allocation		NoRB		25.0MHzRB		Average		Ext. reme		StdDev																												
QBW	4.440 MHz	Current	4.432 MHz	Average	4.440 MHz	0.007 MHz																																
Total TX Power	22.79 dBm	Current	22.77 dBm	Average	22.74 dBm	22.87 dBm	0.05 dBm																															
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0																																						

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

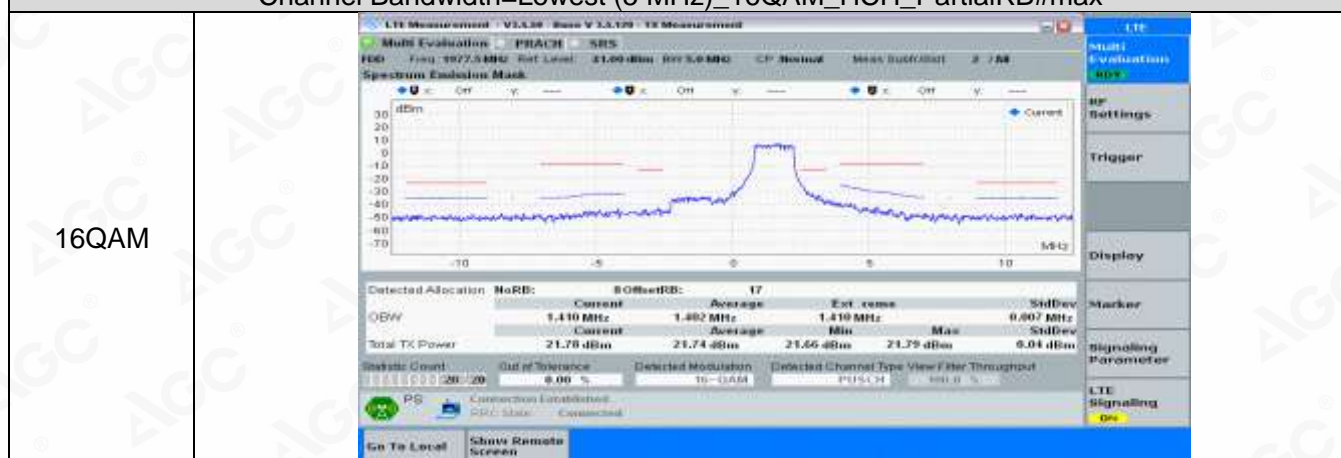
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

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

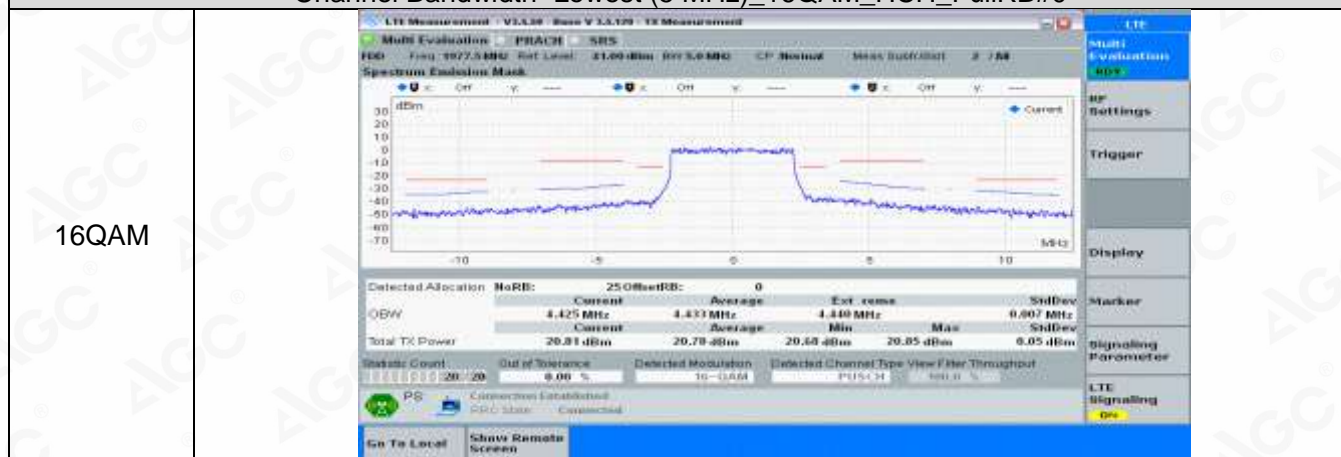
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Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max

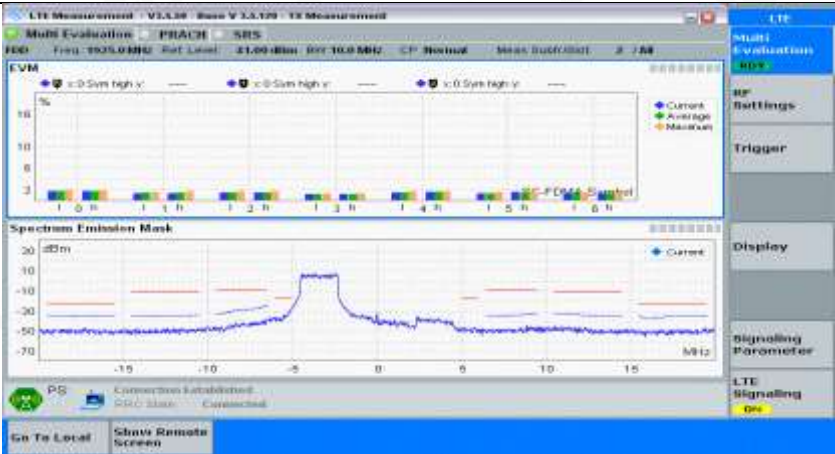
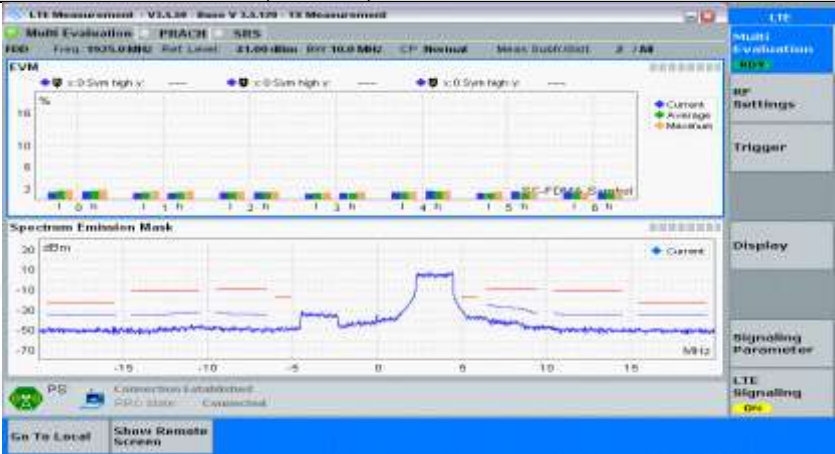
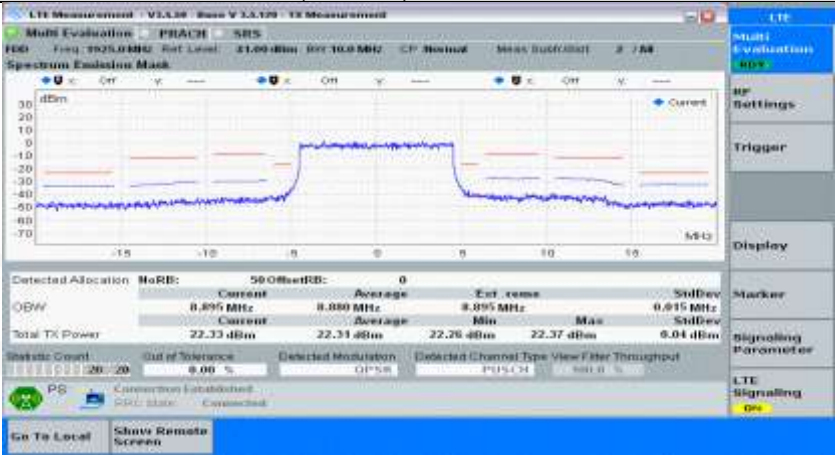


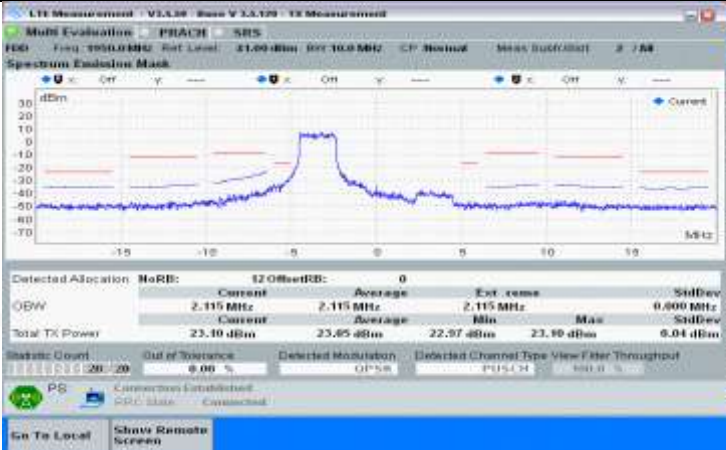
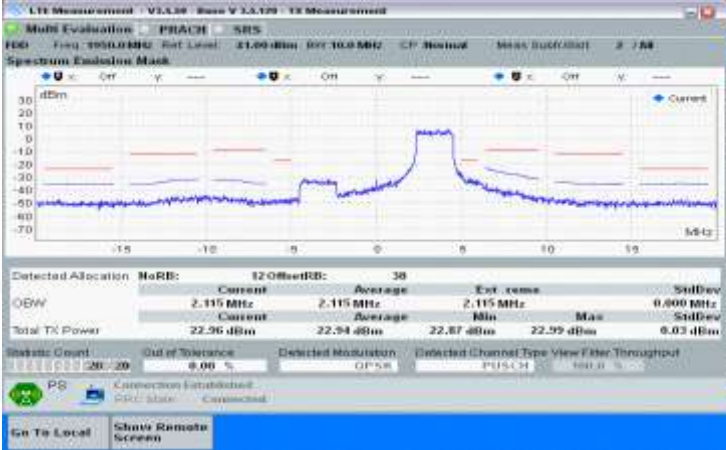
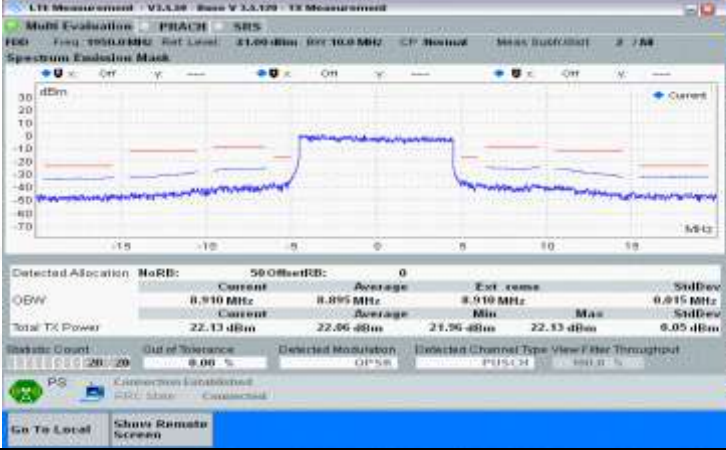
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0

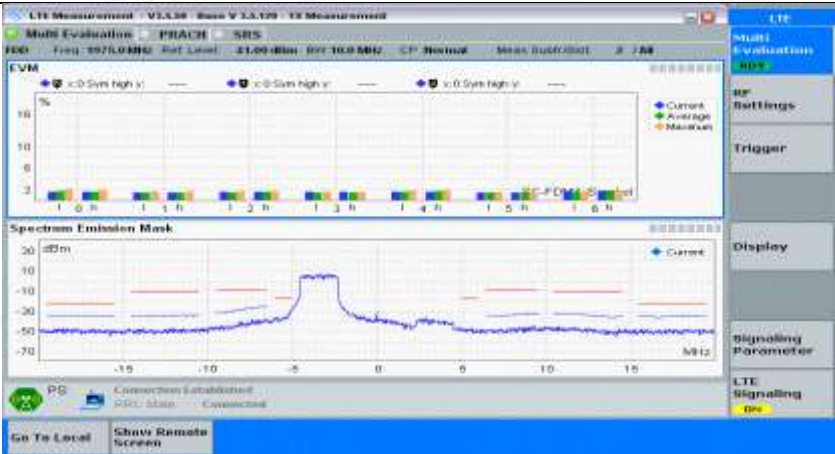
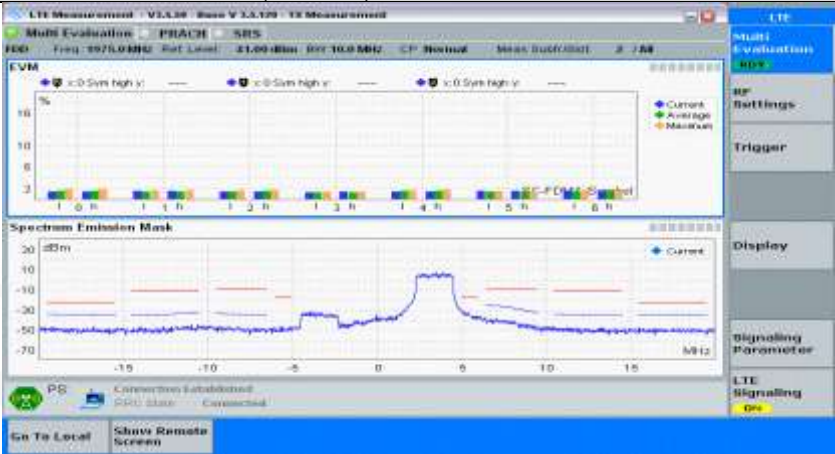
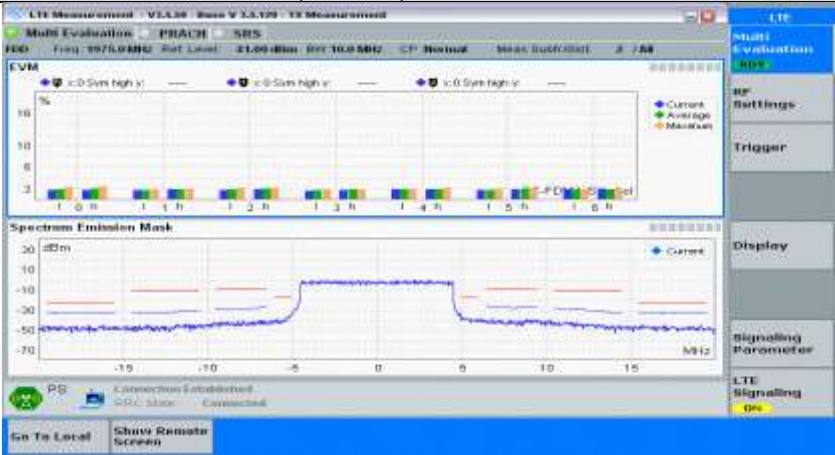



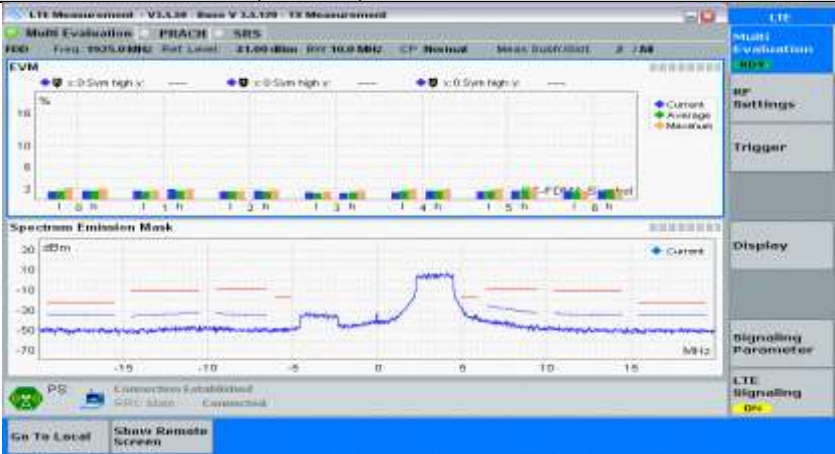
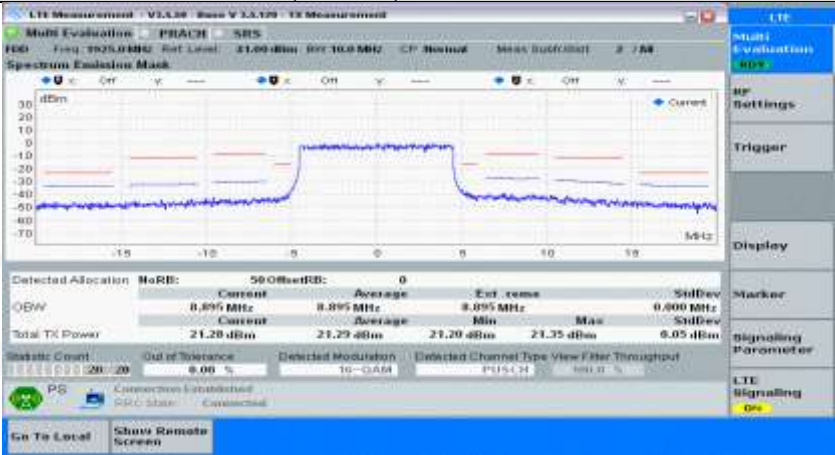
Channel Bandwidth= (10 MHz)

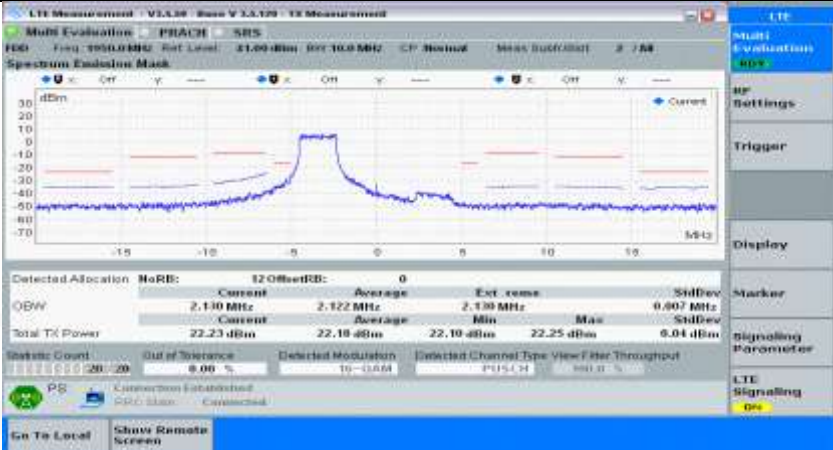
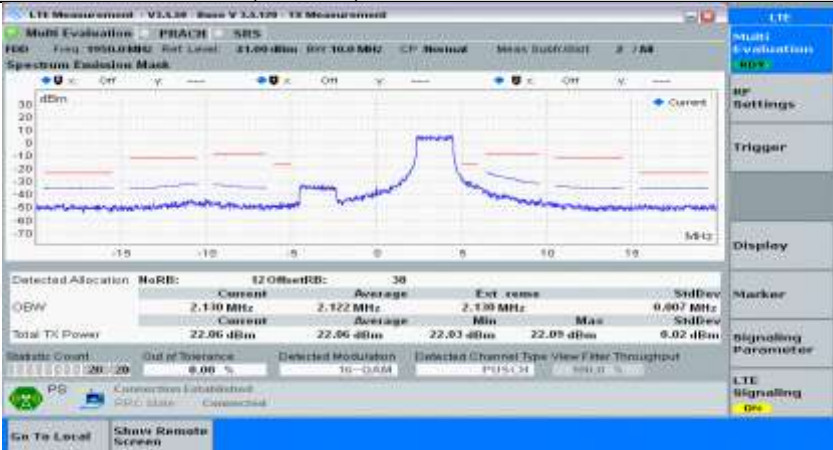

Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

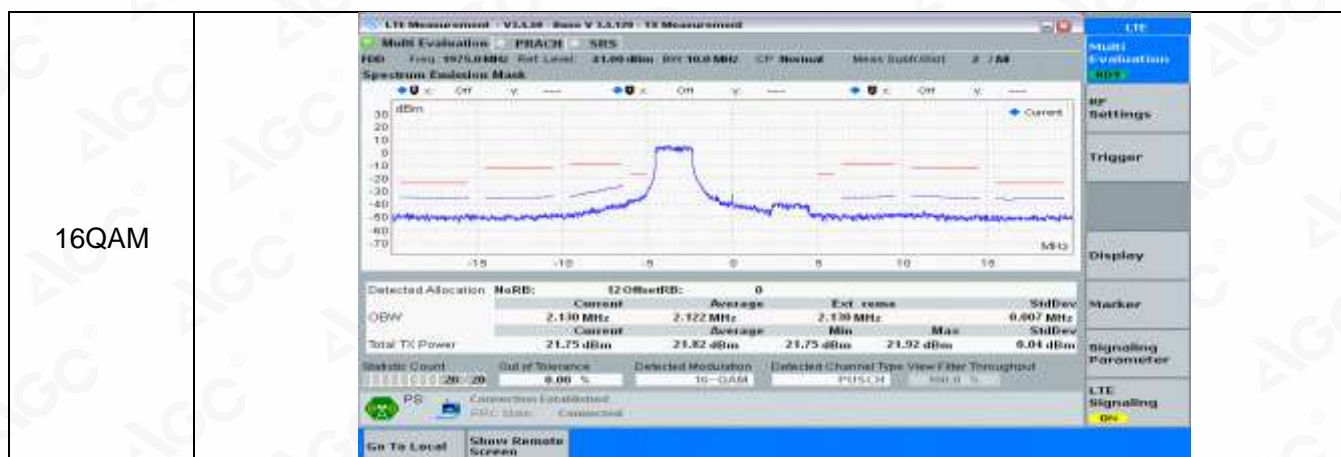
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	

QPSK		<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0		
QPSK		<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0		

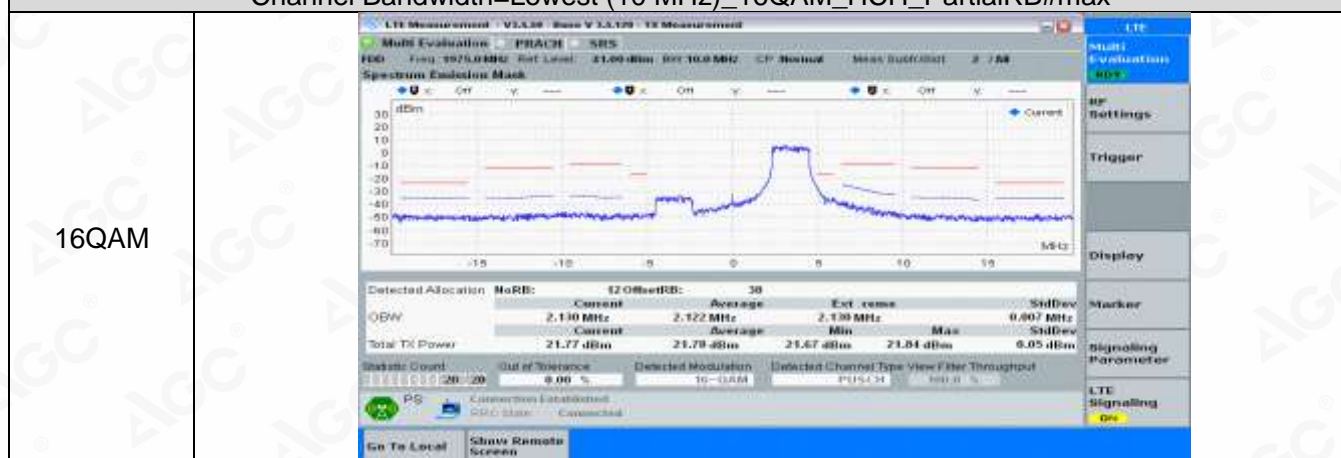
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QPSK	
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

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

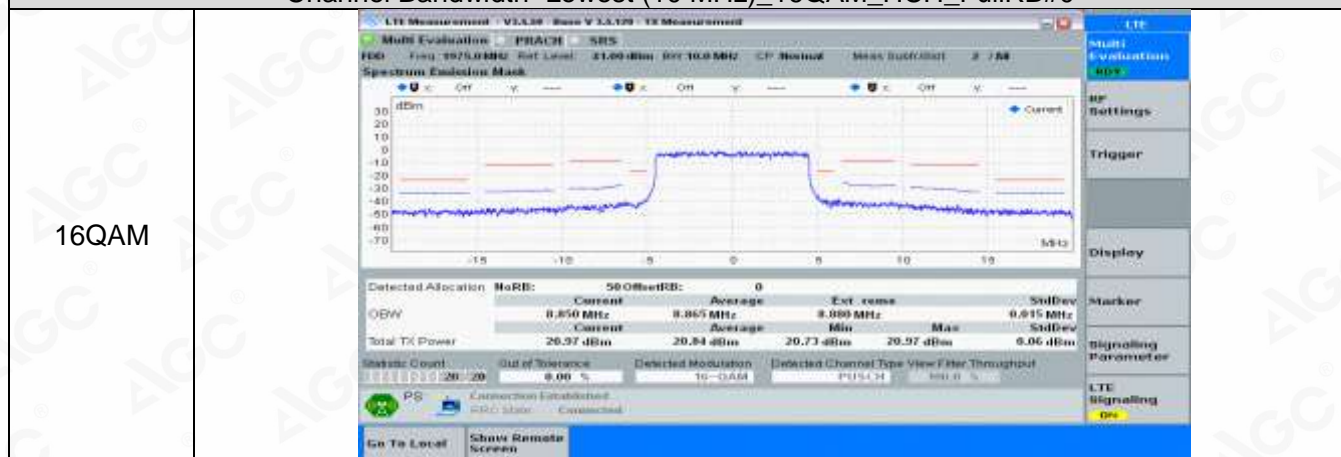
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16QAM	
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max

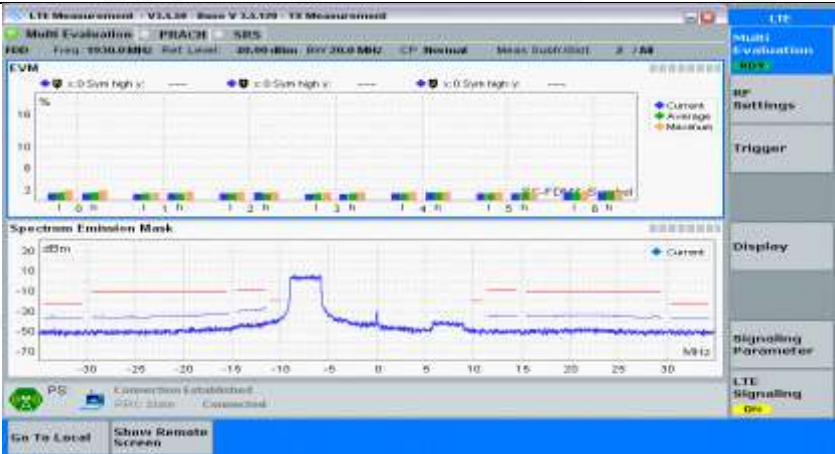
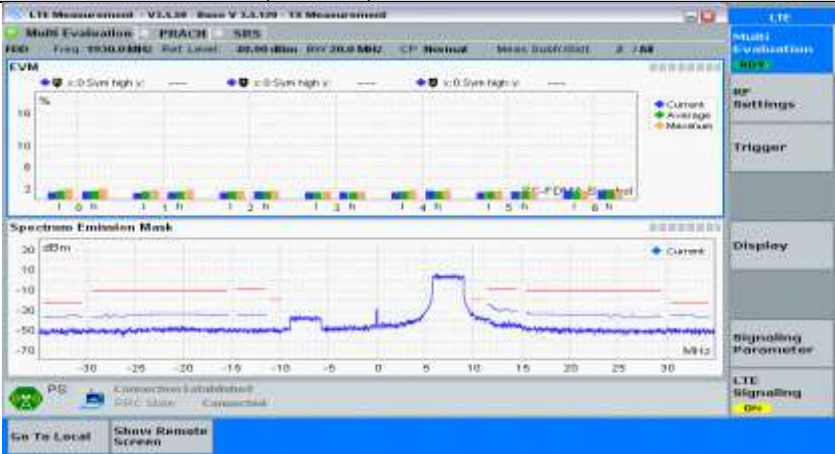
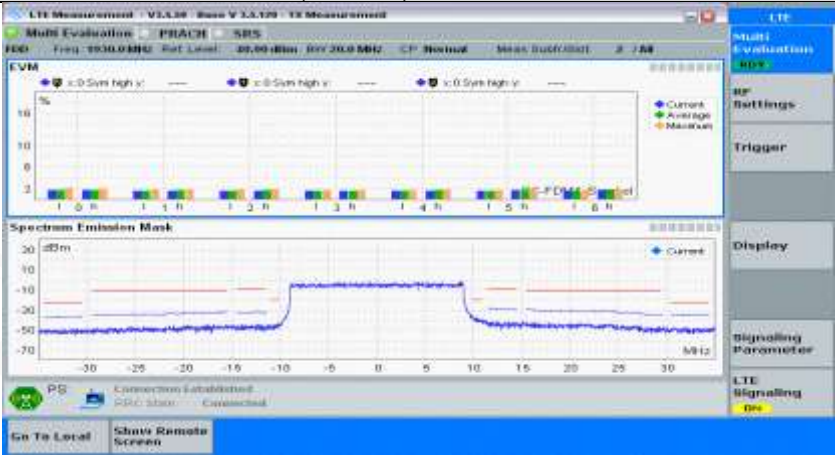


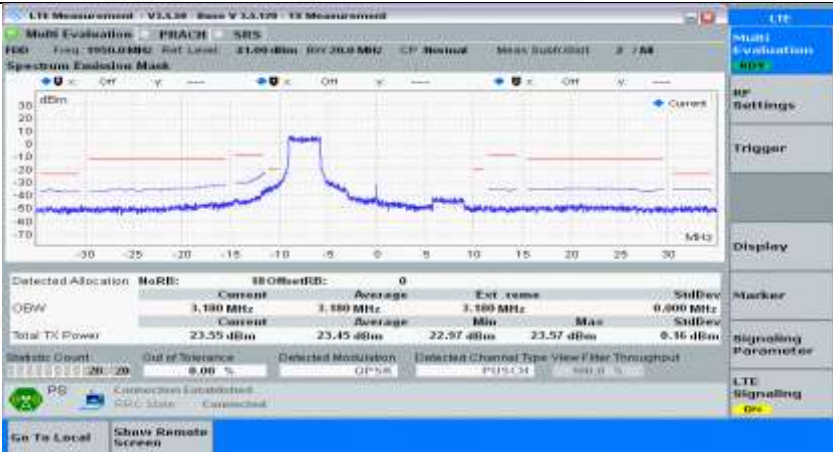
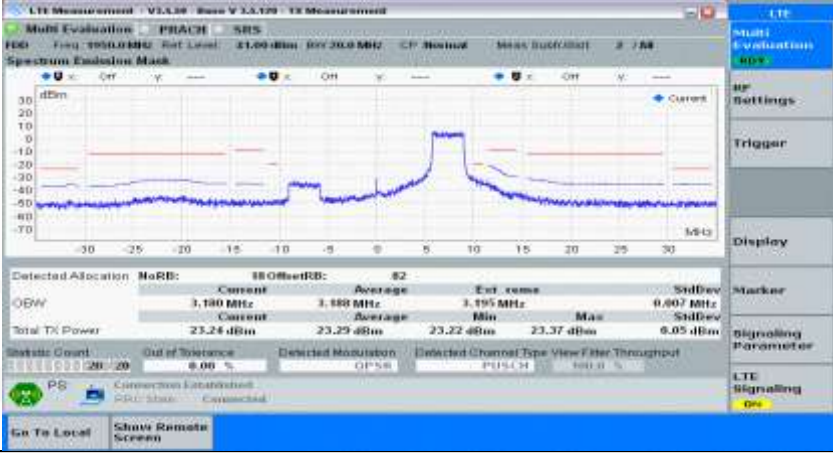
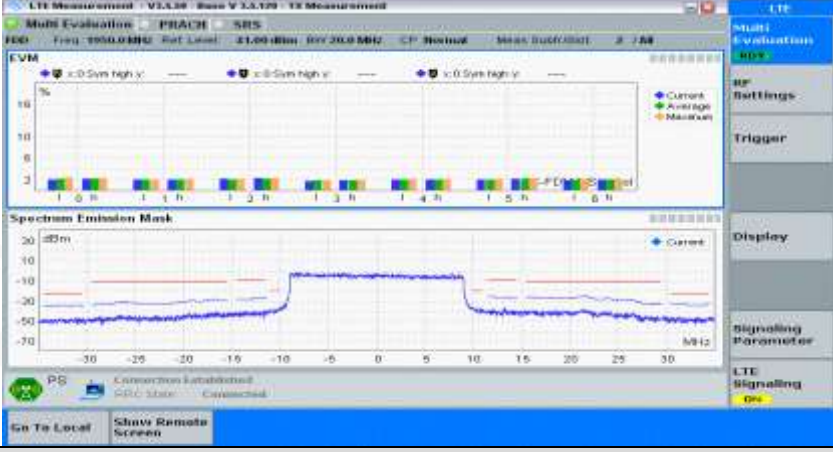
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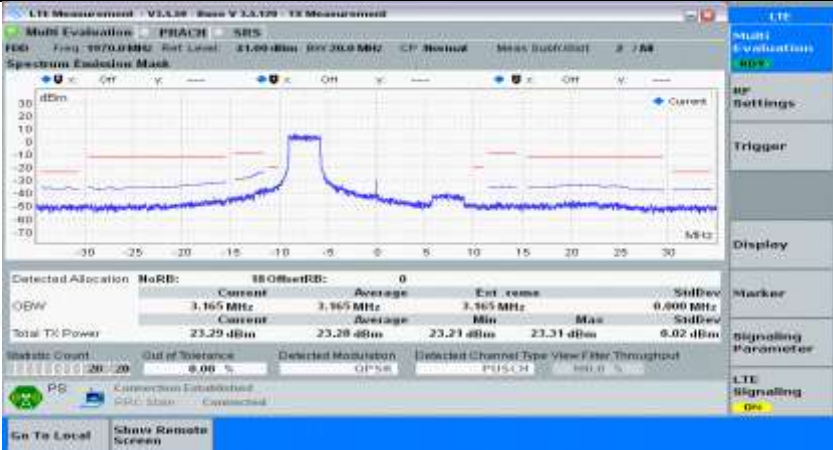
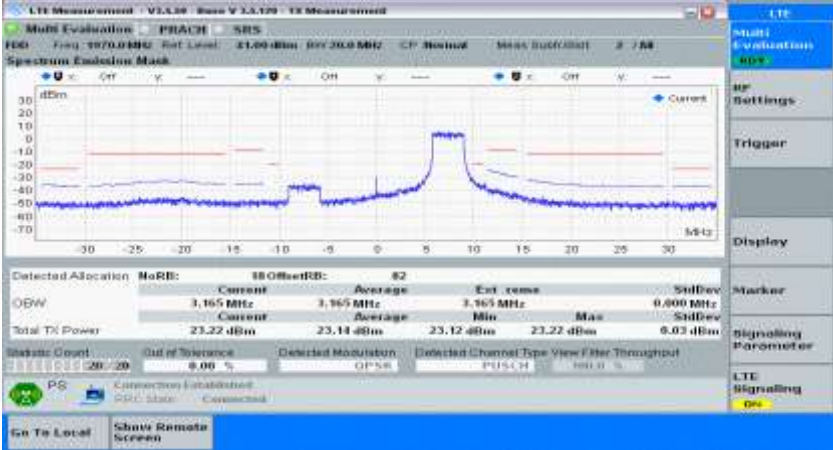
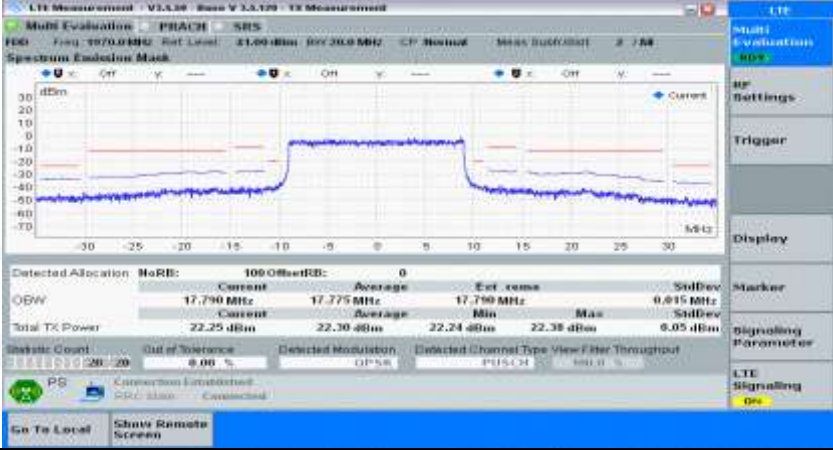


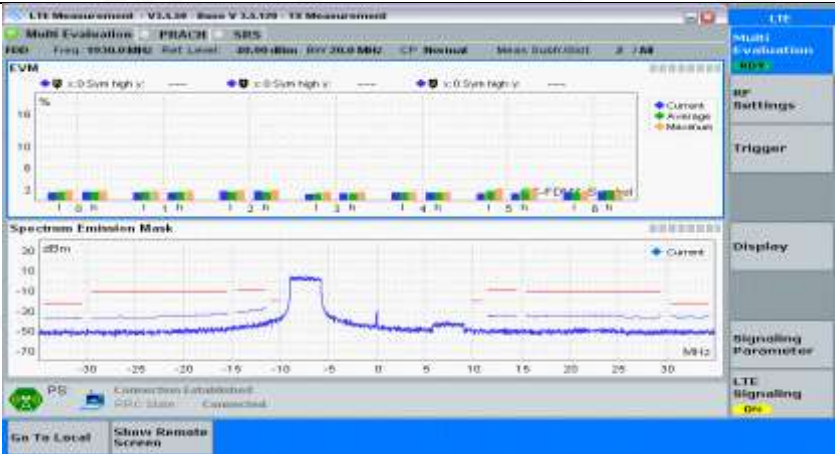
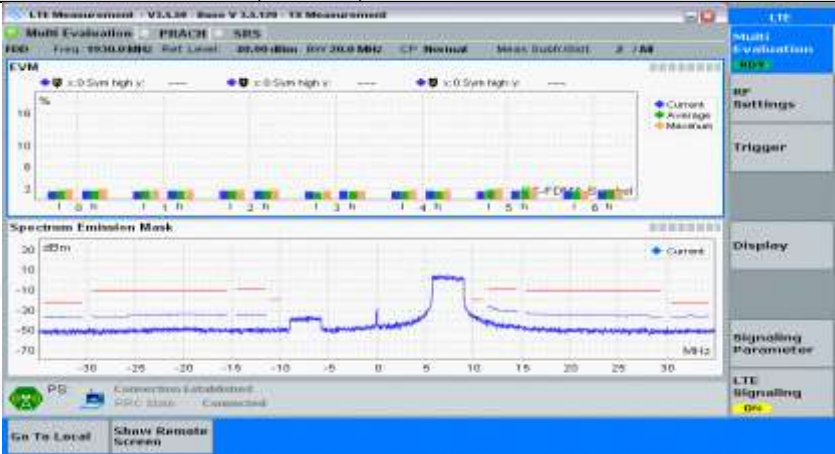
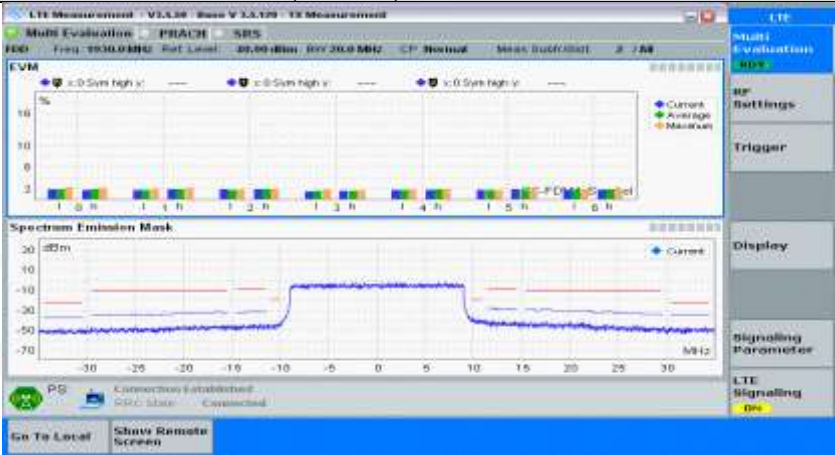
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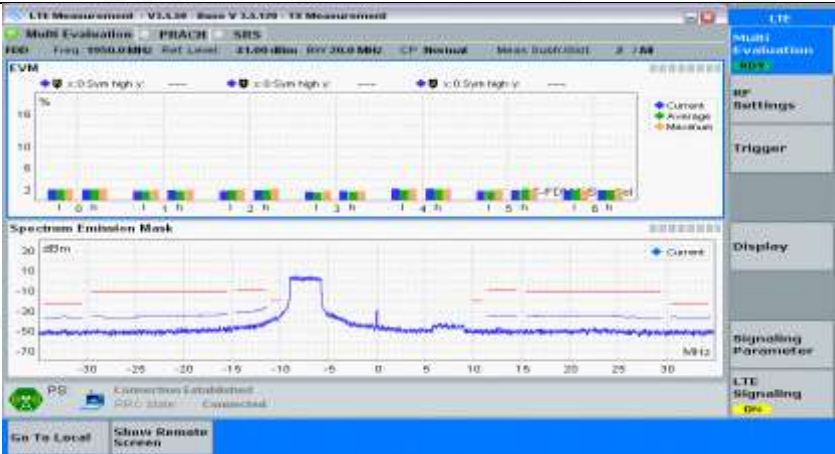
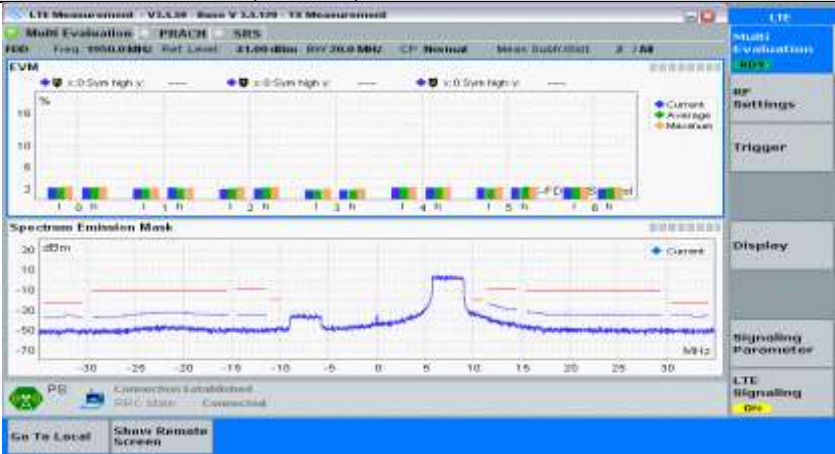
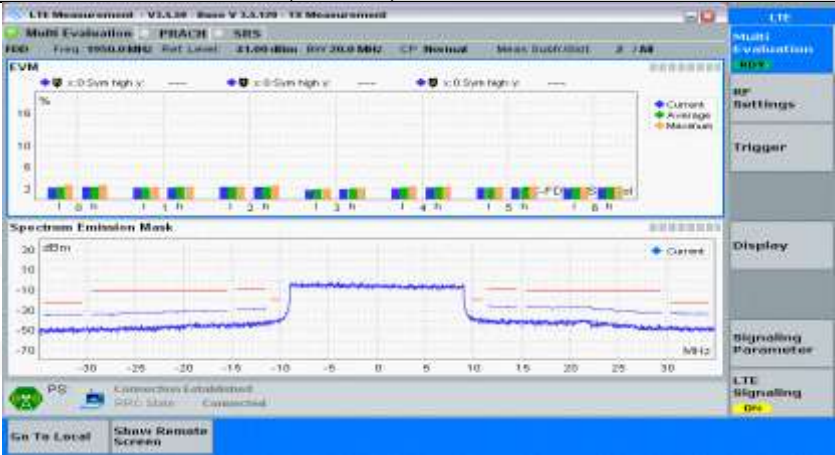
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0

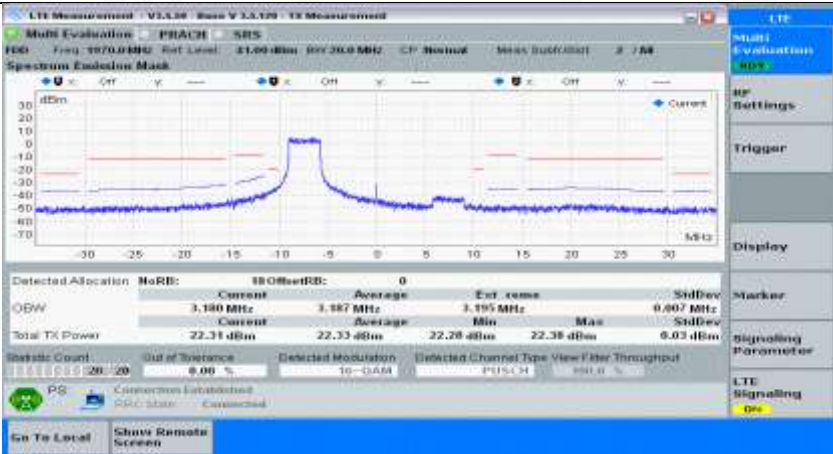
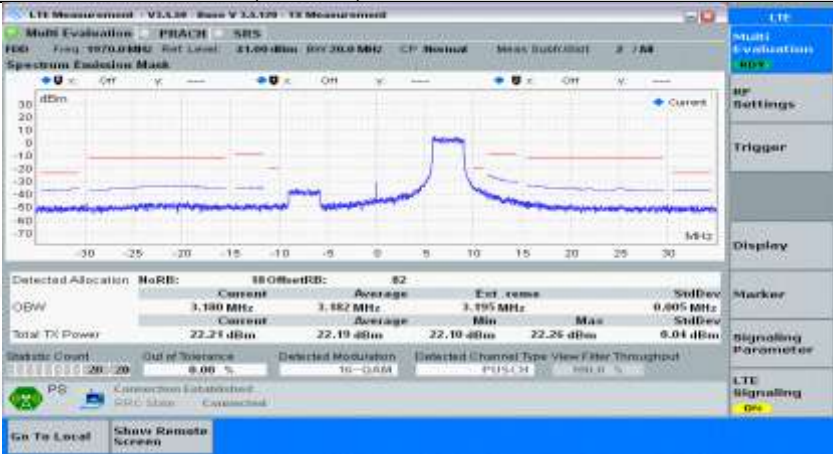
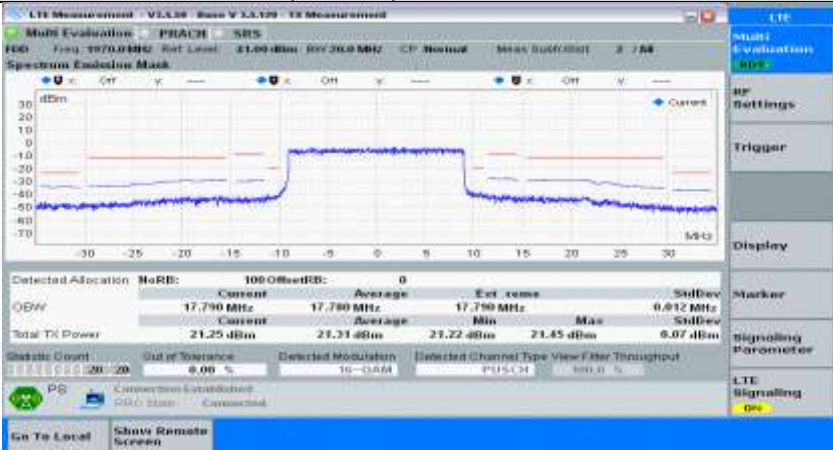
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	

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

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

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

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

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

4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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



Attestation of Global Compliance

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Service Hotline: 400 089 2118

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

Channel Bandwidth=Highest (20 MHz)


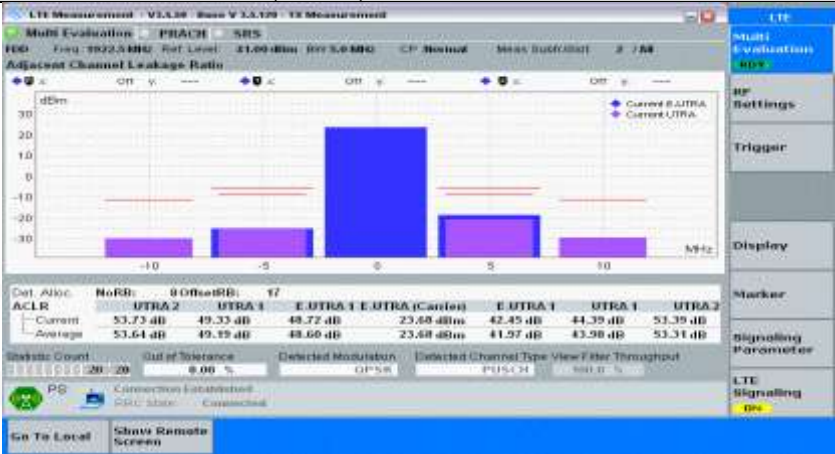

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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




Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0



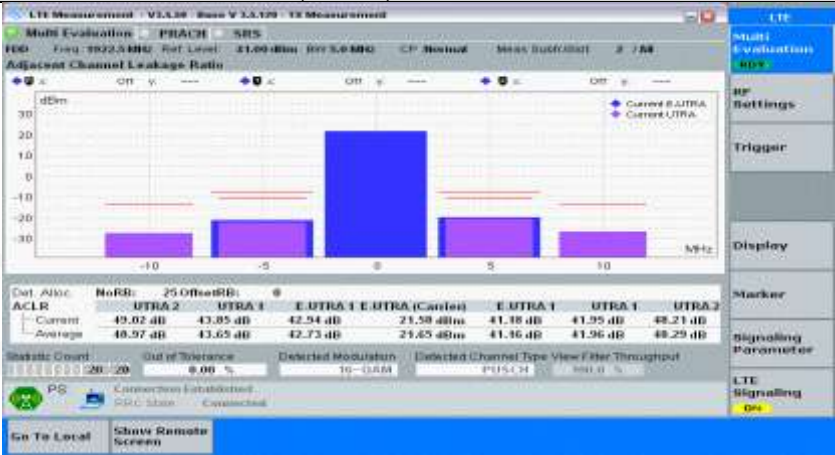
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0</p>

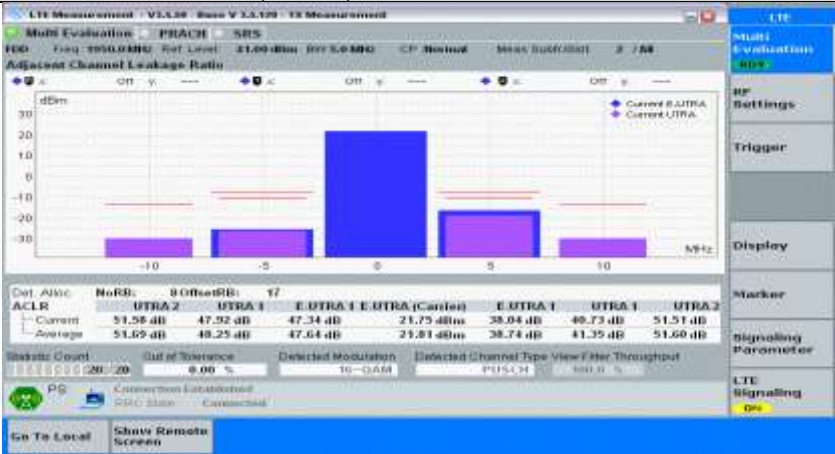

QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>																										
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max																												
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>																										
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0																												
QPSK	 <table><tr><td>Det. Alloc</td><td>NoRB: 25</td><td>OffsetRB: 0</td></tr><tr><td>ACLR</td><td>UTRA 2</td><td>UTRA 1</td><td>E-UTRA 1</td><td>E-UTRA 1 E</td><td>UTRA 1</td><td>UTRA 2</td></tr><tr><td>Current</td><td>48.23 dB</td><td>40.59 dB</td><td>39.75 dB</td><td>22.52 dB</td><td>39.36 dB</td><td>40.21 dB</td><td>48.66 dB</td></tr><tr><td>Average</td><td>48.22 dB</td><td>40.59 dB</td><td>39.82 dB</td><td>22.29 dB</td><td>39.09 dB</td><td>39.89 dB</td><td>48.11 dB</td></tr></table> <div>Subsets Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: QPSK Detected Channel Type: View Filter Throughput</div>	Det. Alloc	NoRB: 25	OffsetRB: 0	ACLR	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 E	UTRA 1	UTRA 2	Current	48.23 dB	40.59 dB	39.75 dB	22.52 dB	39.36 dB	40.21 dB	48.66 dB	Average	48.22 dB	40.59 dB	39.82 dB	22.29 dB	39.09 dB	39.89 dB	48.11 dB	<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Det. Alloc	NoRB: 25	OffsetRB: 0																										
ACLR	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 E	UTRA 1	UTRA 2																						
Current	48.23 dB	40.59 dB	39.75 dB	22.52 dB	39.36 dB	40.21 dB	48.66 dB																					
Average	48.22 dB	40.59 dB	39.82 dB	22.29 dB	39.09 dB	39.89 dB	48.11 dB																					
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0																												


Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0

Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0

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




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

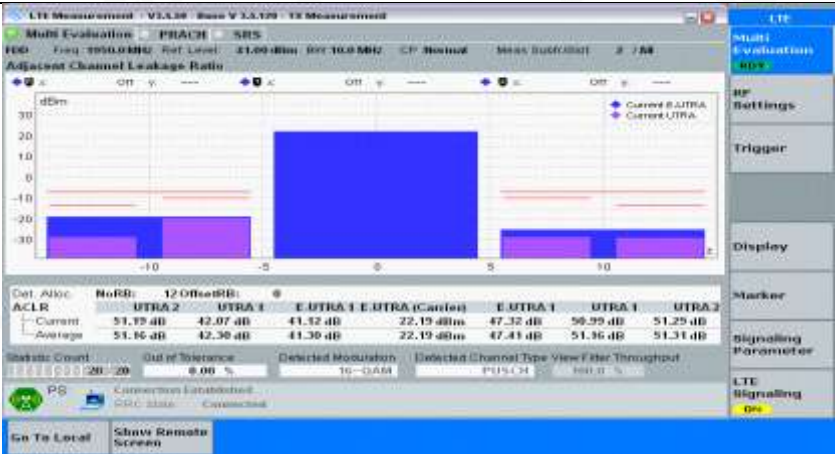
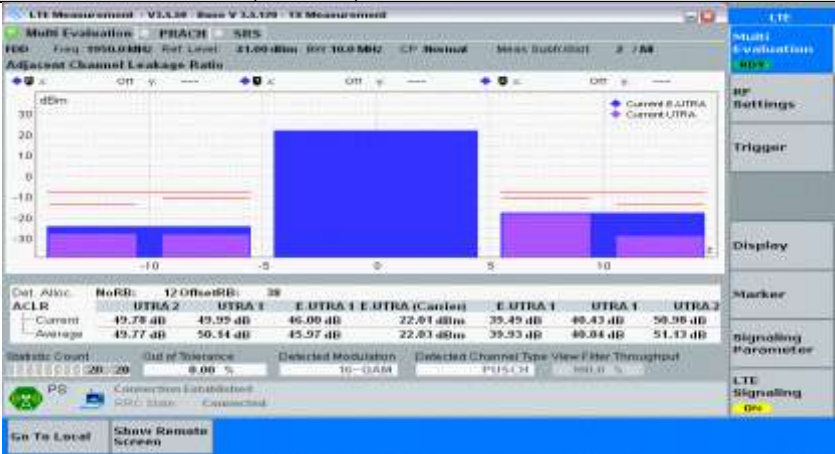

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

Channel Bandwidth= (10 MHz)

Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

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

16QAM																									
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max																									
16QAM																									
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0																									
16QAM	 <table data-bbox="462 1498 1300 1588"><tr><th>Subcarrier</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1 (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>48.22 dB</td><td>45.87 dB</td><td>43.19 dB</td><td>21.34 dBm</td><td>40.28 dB</td><td>42.88 dB</td><td>45.80 dB</td></tr><tr><td>Average</td><td>48.58 dB</td><td>45.69 dB</td><td>43.04 dB</td><td>21.26 dBm</td><td>40.18 dB</td><td>42.79 dB</td><td>45.65 dB</td></tr></table>	Subcarrier	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	48.22 dB	45.87 dB	43.19 dB	21.34 dBm	40.28 dB	42.88 dB	45.80 dB	Average	48.58 dB	45.69 dB	43.04 dB	21.26 dBm	40.18 dB	42.79 dB	45.65 dB
Subcarrier	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																		
Current	48.22 dB	45.87 dB	43.19 dB	21.34 dBm	40.28 dB	42.88 dB	45.80 dB																		
Average	48.58 dB	45.69 dB	43.04 dB	21.26 dBm	40.18 dB	42.79 dB	45.65 dB																		
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0																									

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



Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max









Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0









Channel Bandwidth=Highest (20 MHz)




Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0




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

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

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

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

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

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

5. Transmitter Spurious Emissions

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth=Highest (20 MHz)

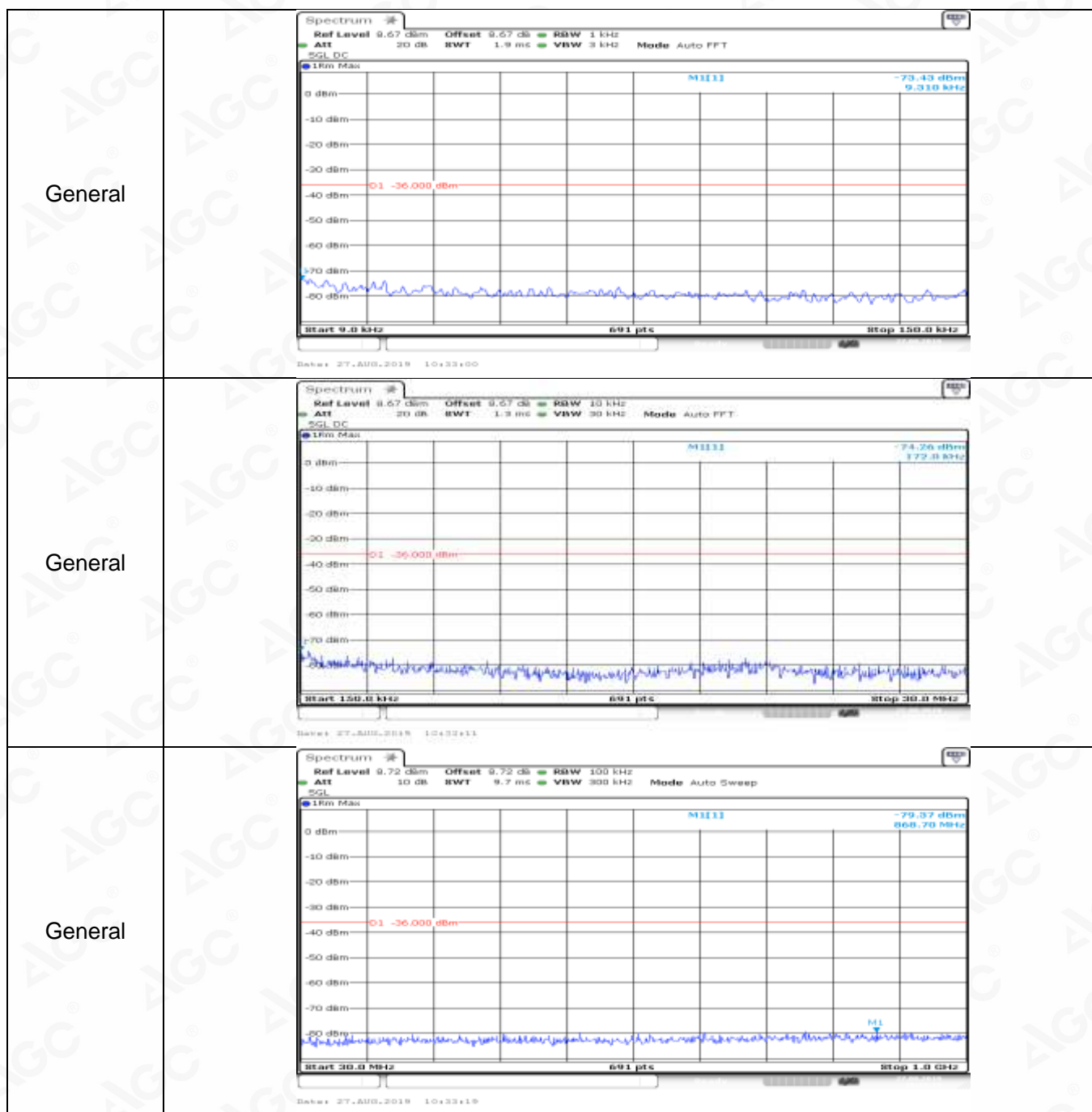
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

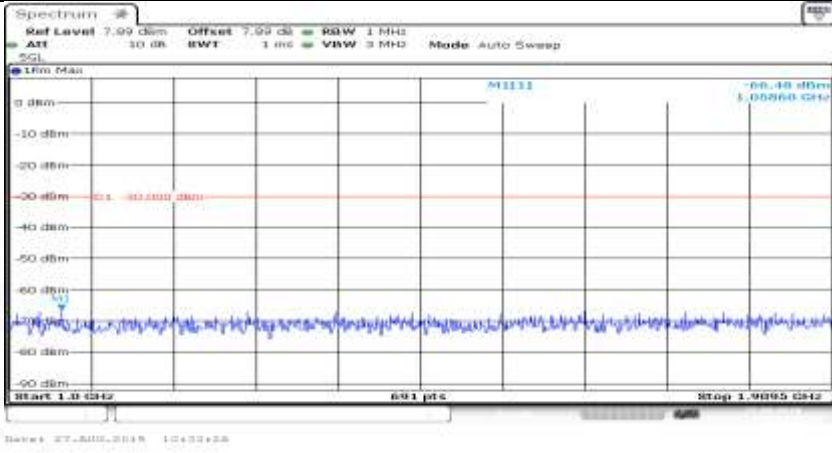
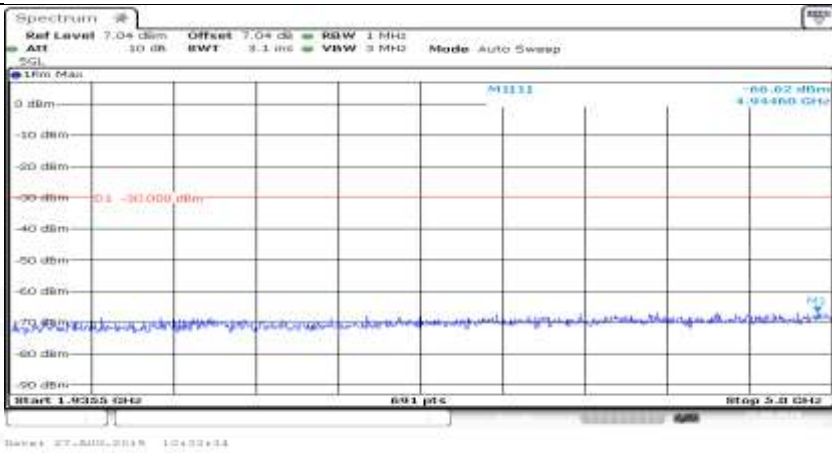

Test Graphs

NTNV

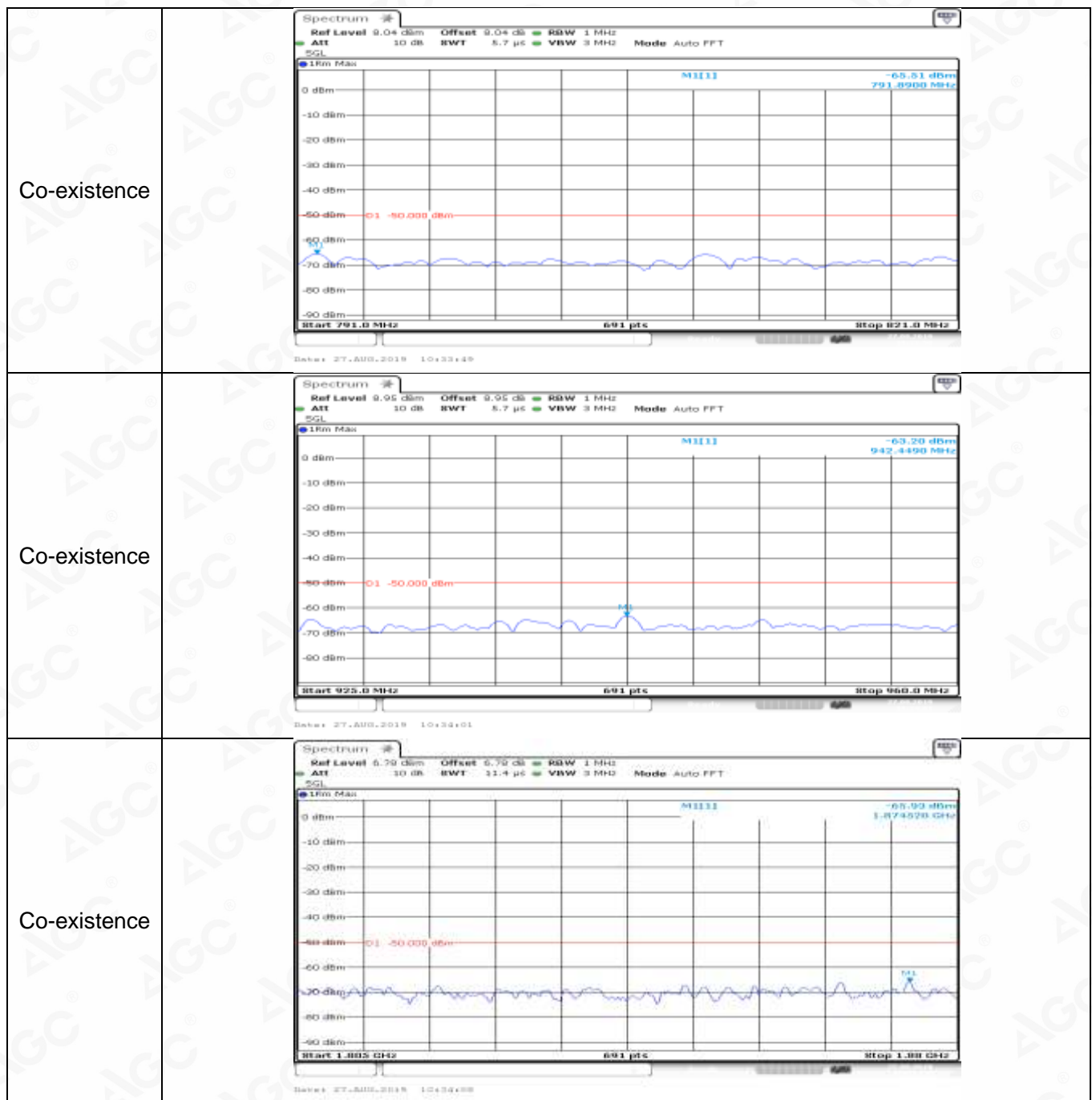
Channel Bandwidth=Lowest (5 MHz)

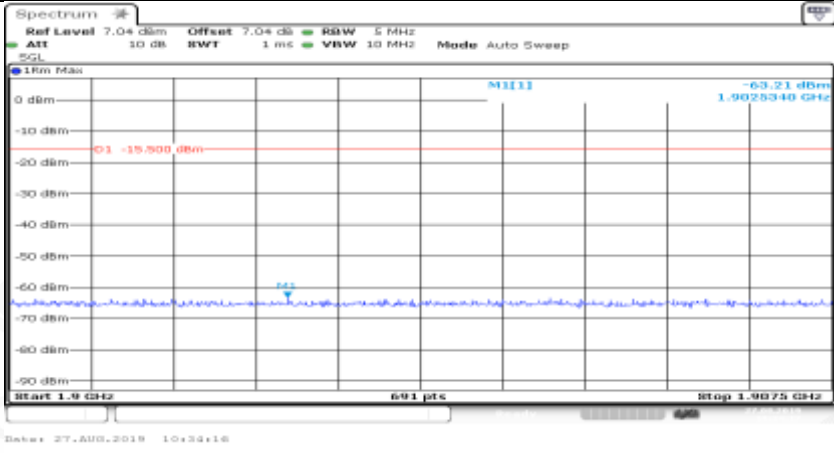
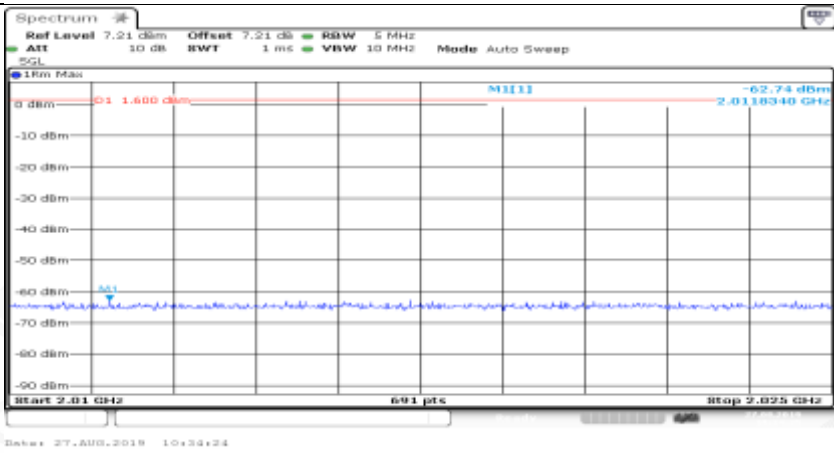

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#0



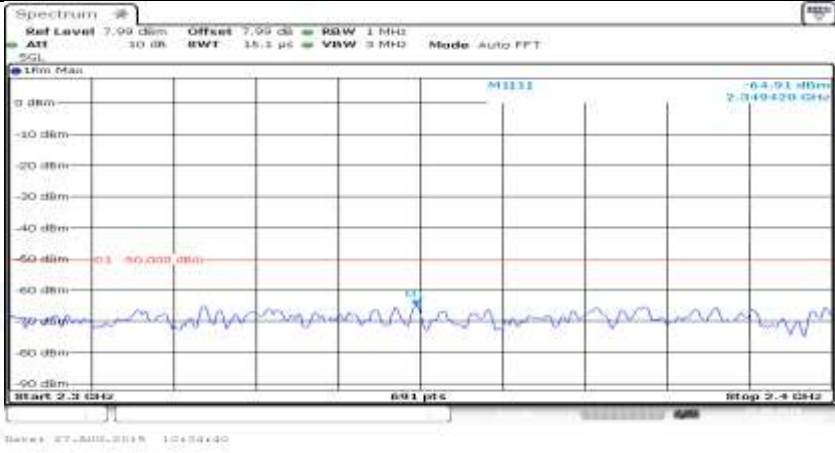
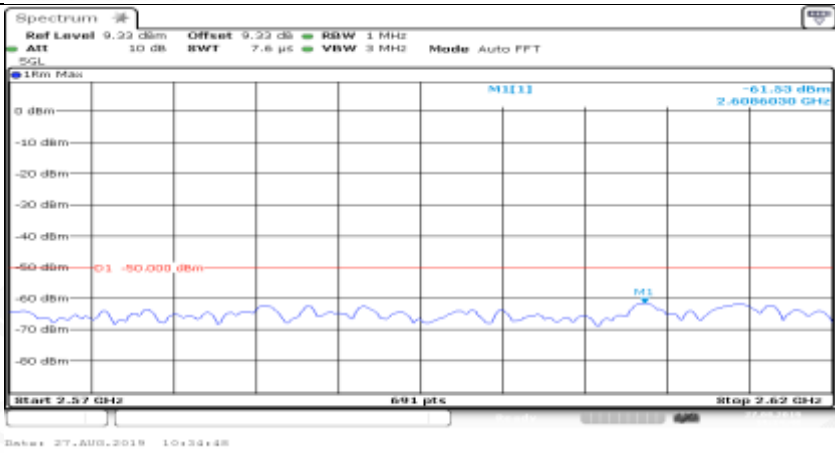

General	
General	
General	

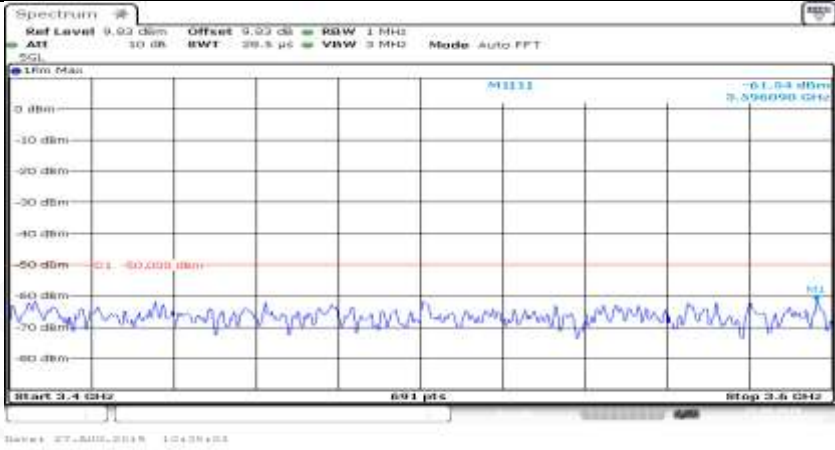
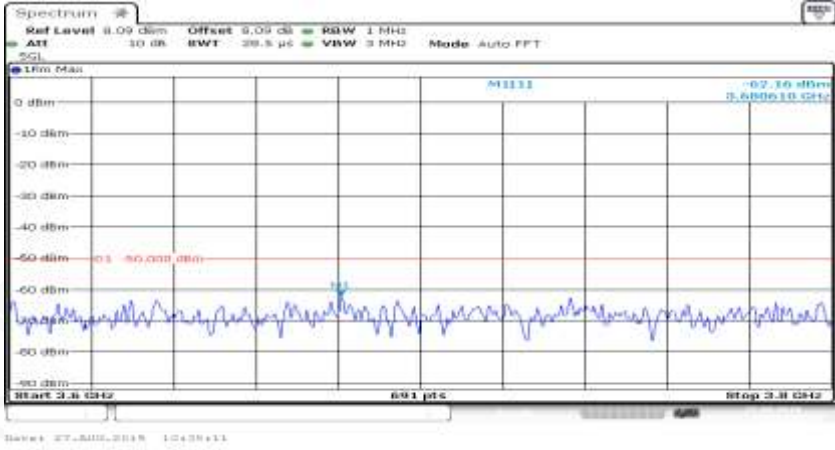


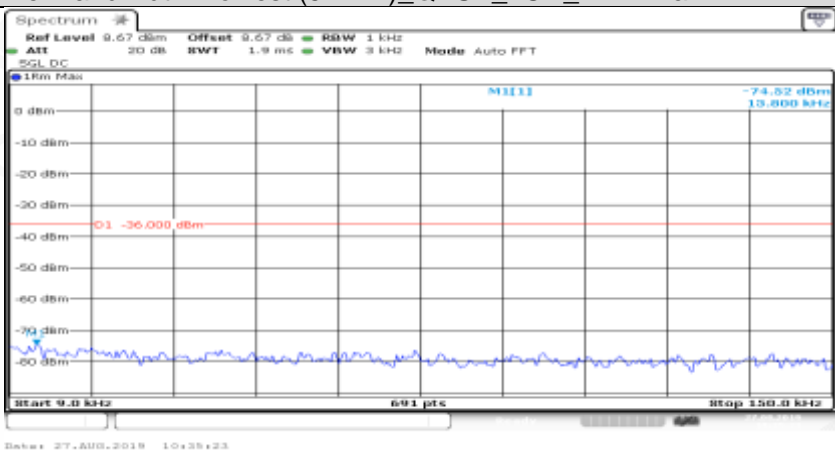


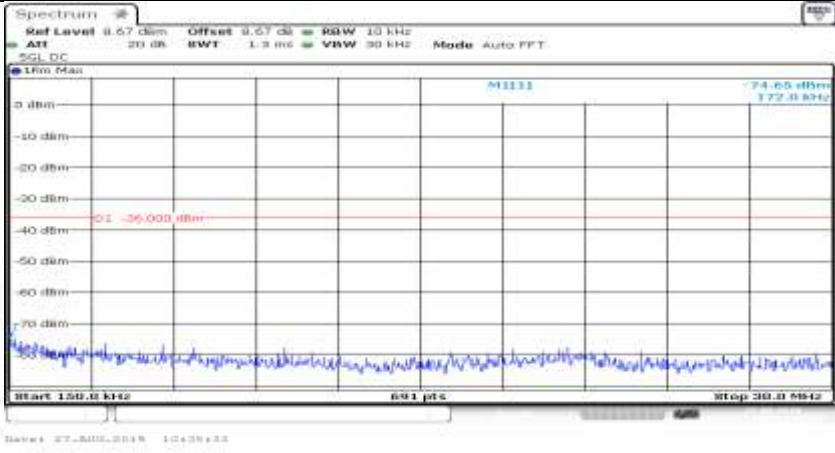
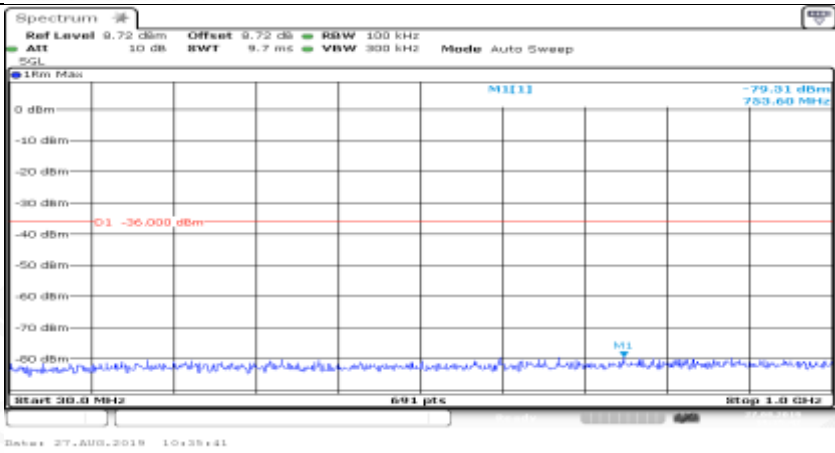
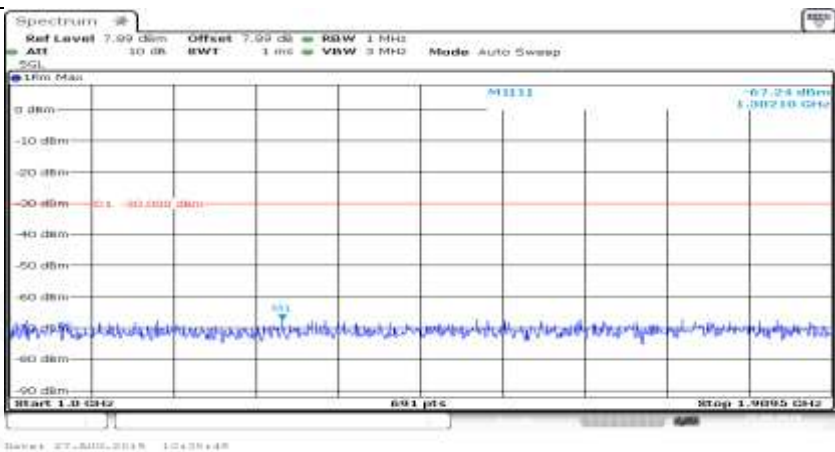
Co-existence	
Co-existence	
Co-existence	

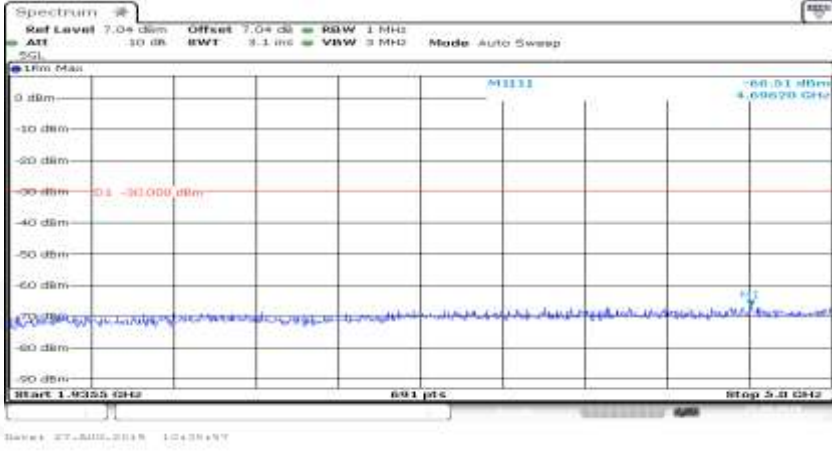
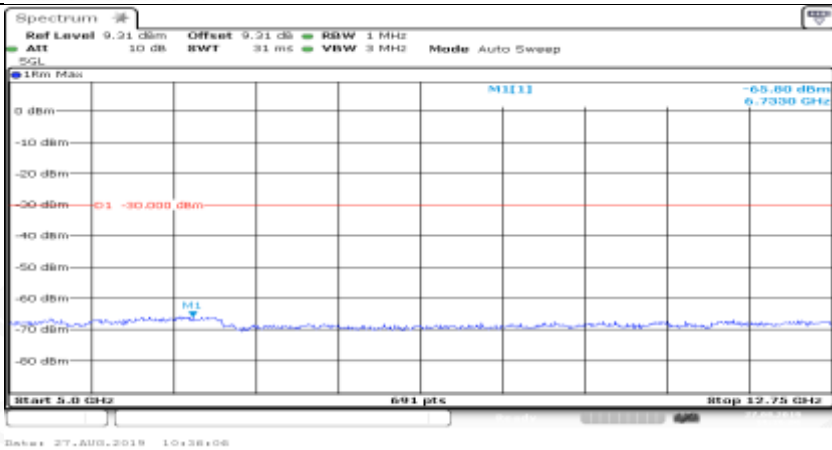
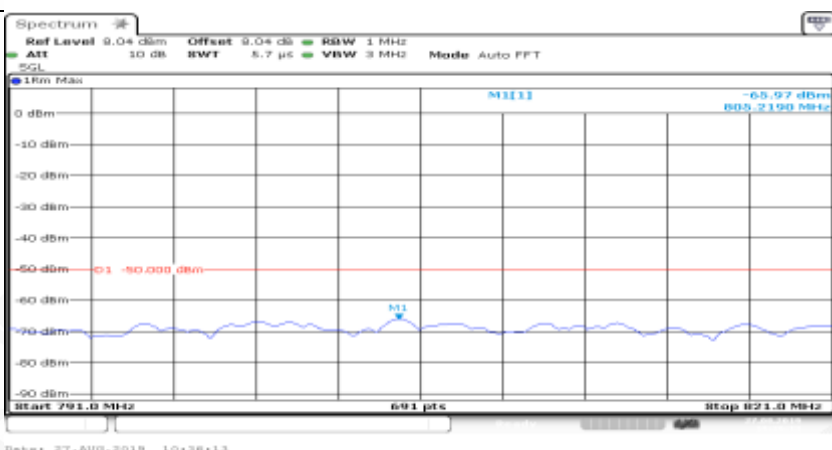


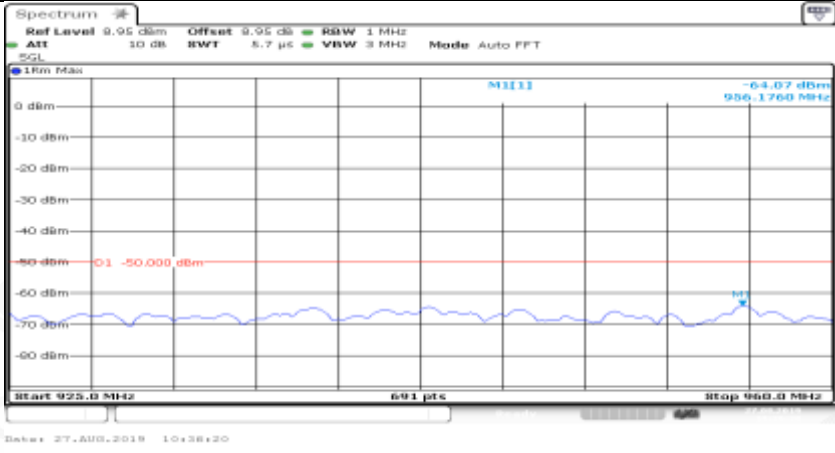

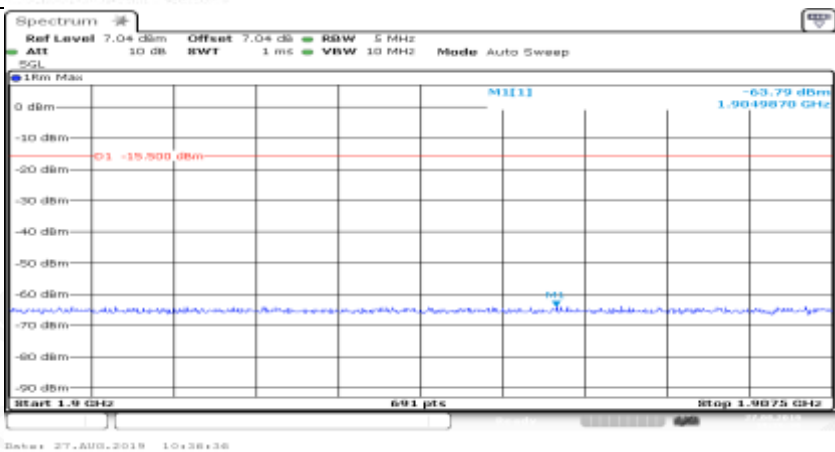
Co-existence	
Co-existence	
Co-existence	

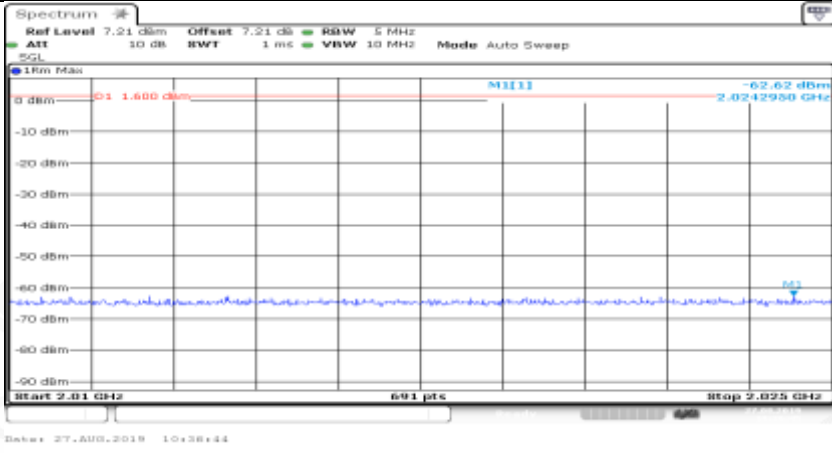

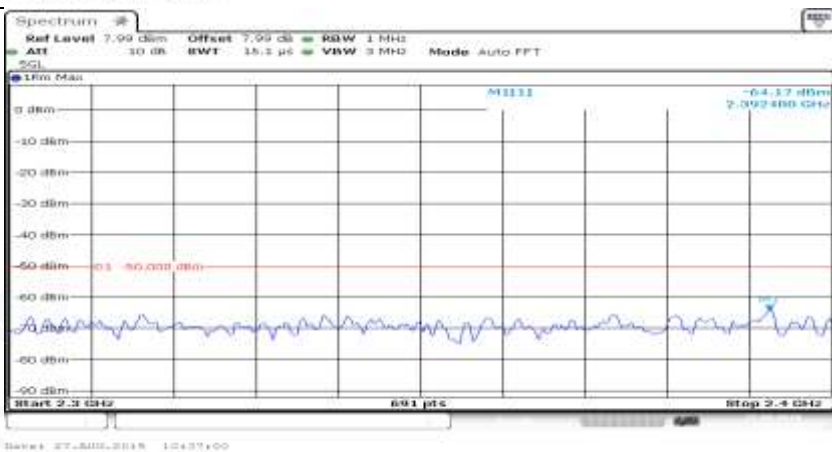
Co-existence	
Co-existence	
Additional	NA

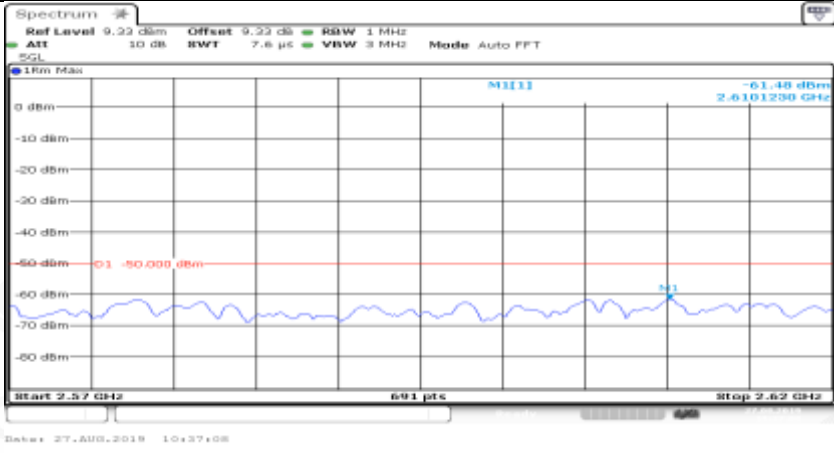

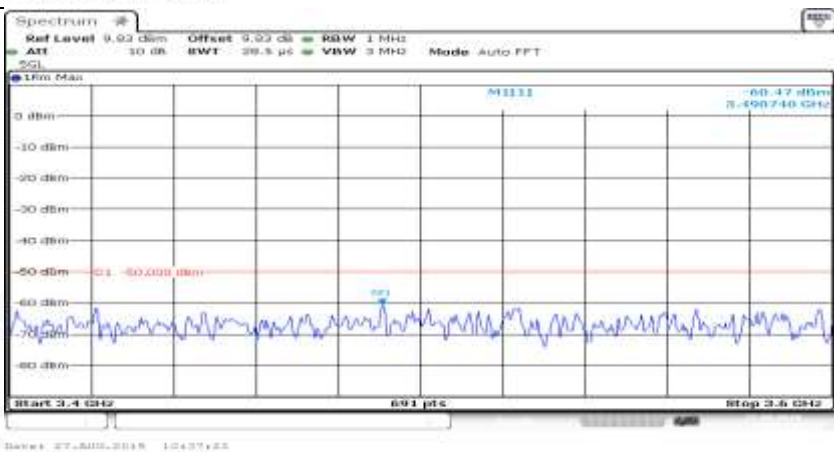
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	

General	
General	
General	

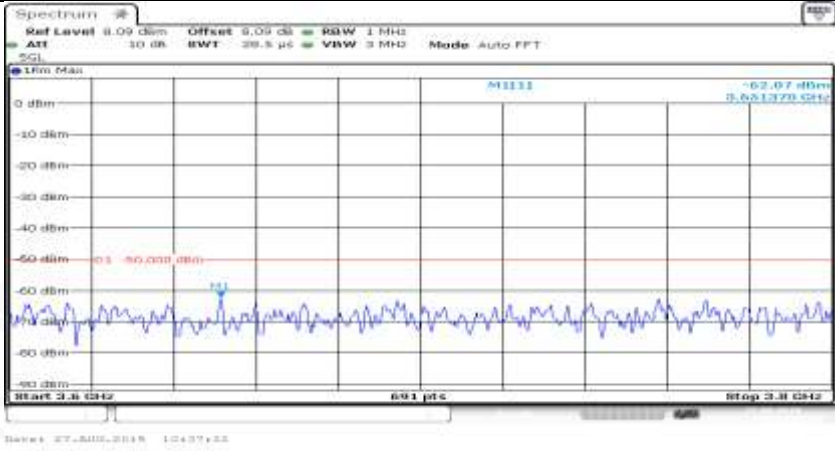
General	
General	
Co-existence	

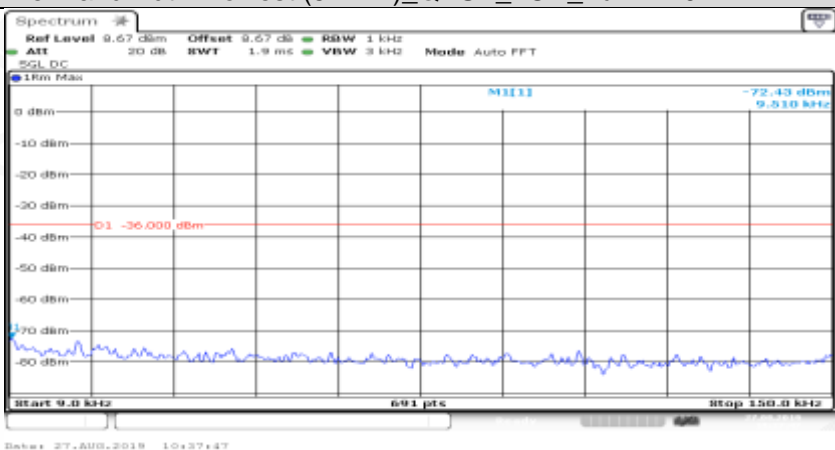
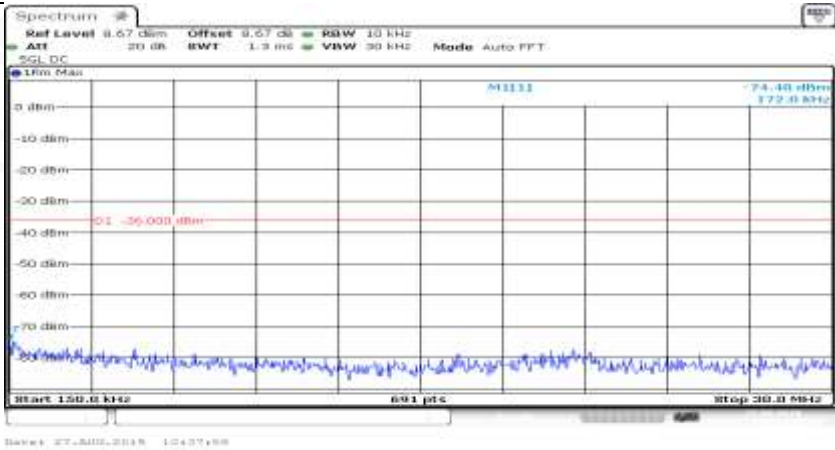
Co-existence	
Co-existence	
Co-existence	

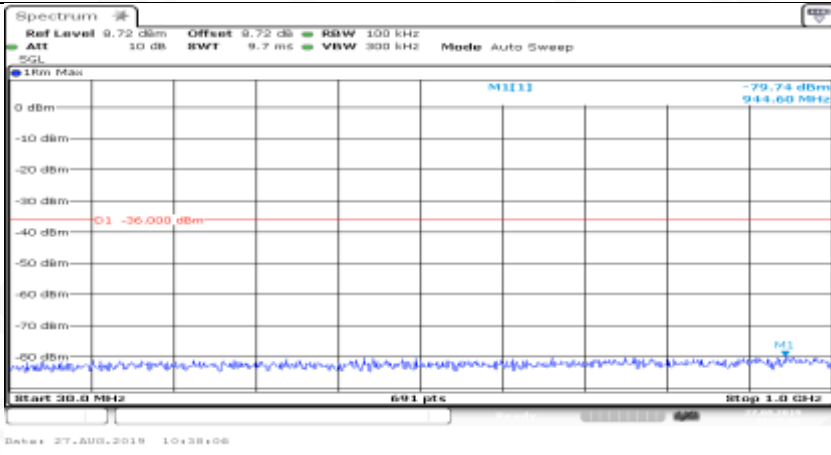
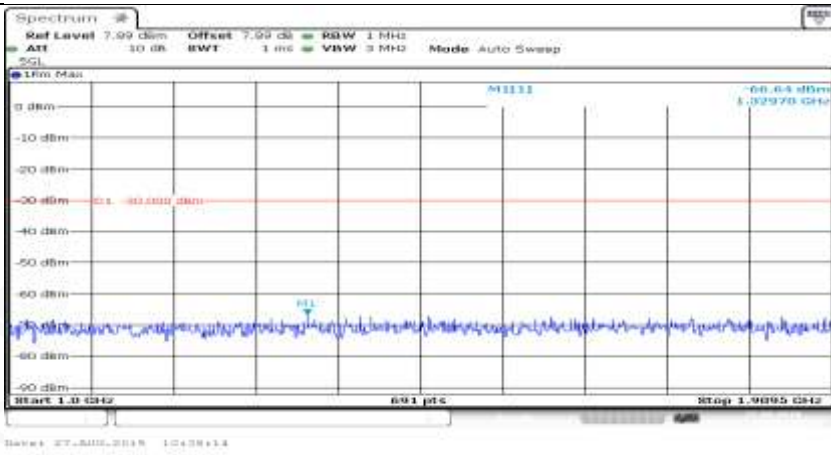
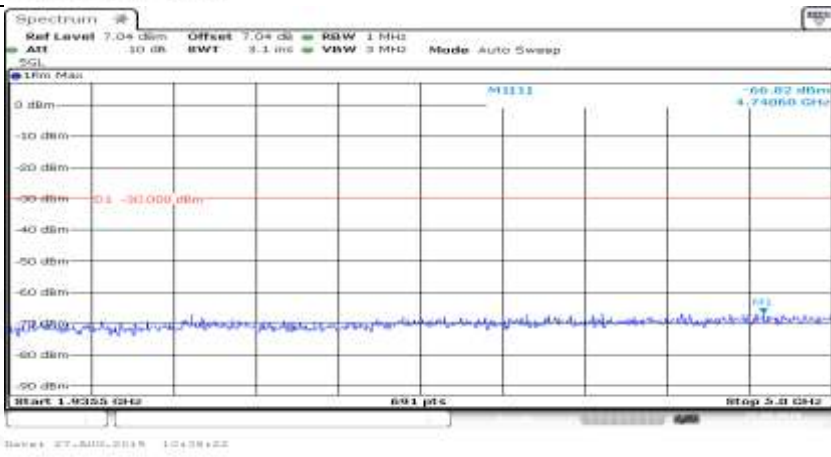
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

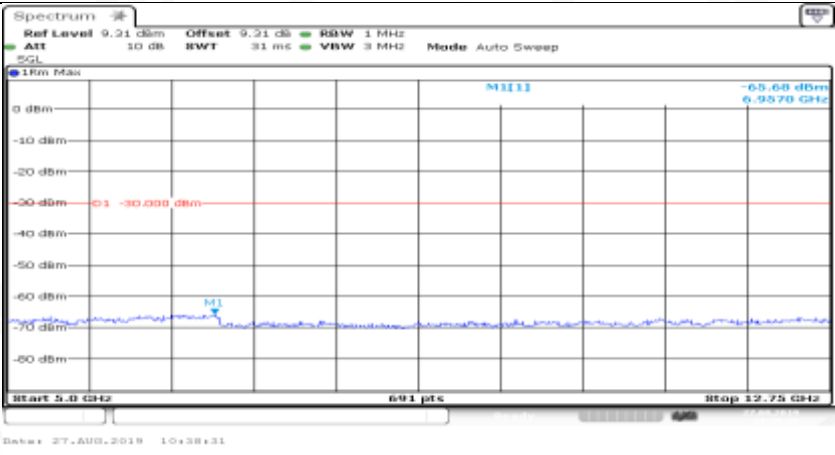
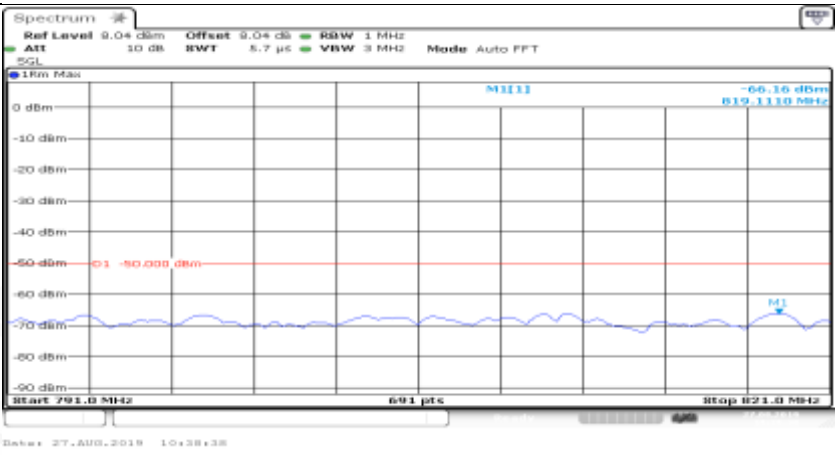
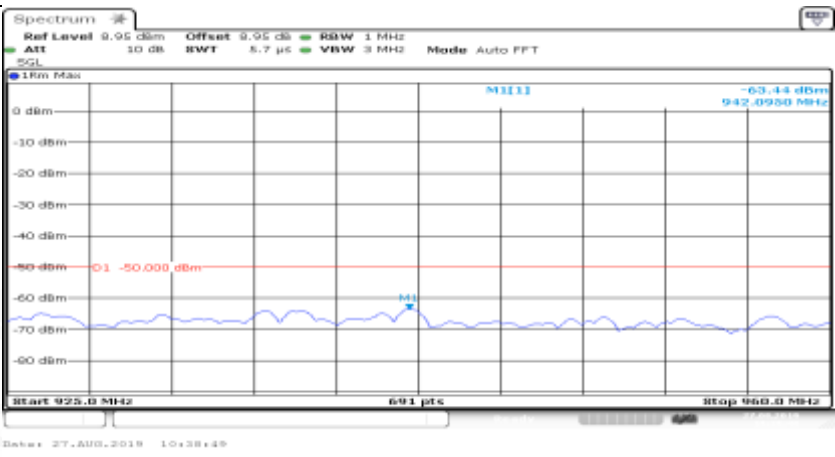


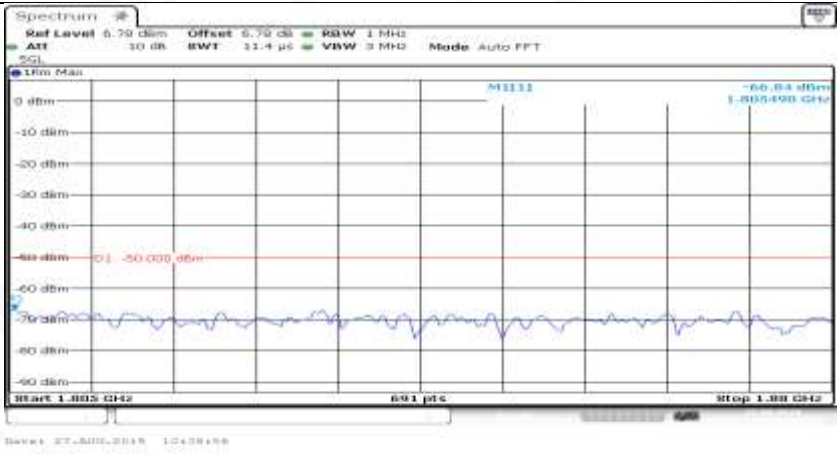
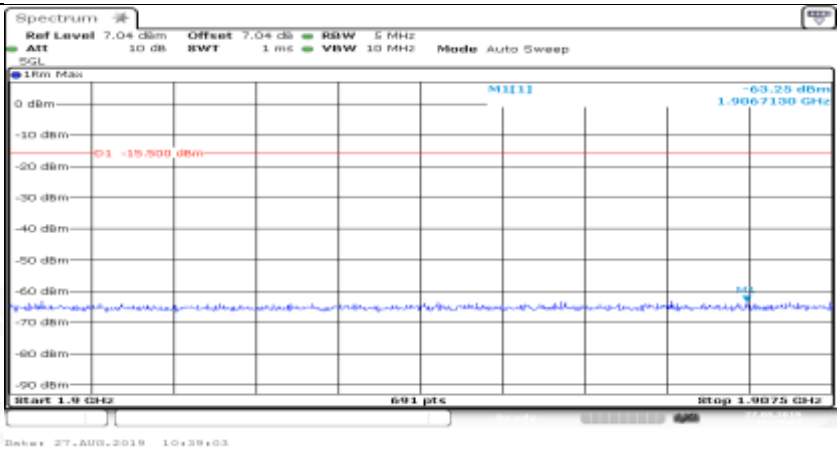
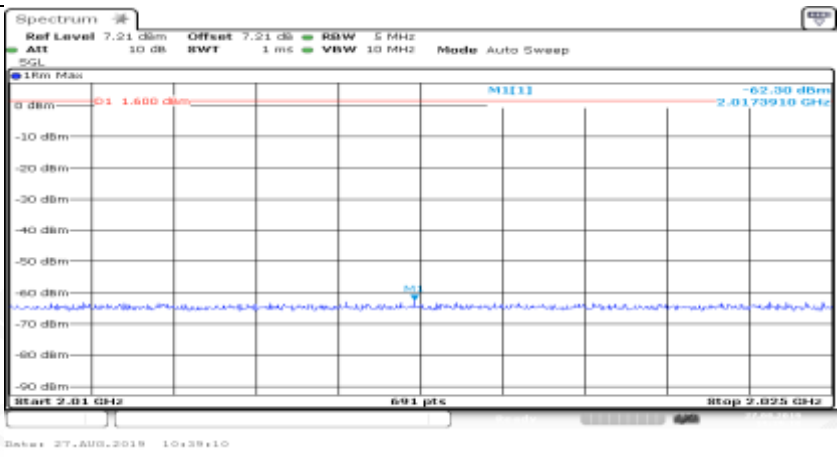
Co-existence	
Additional	NA


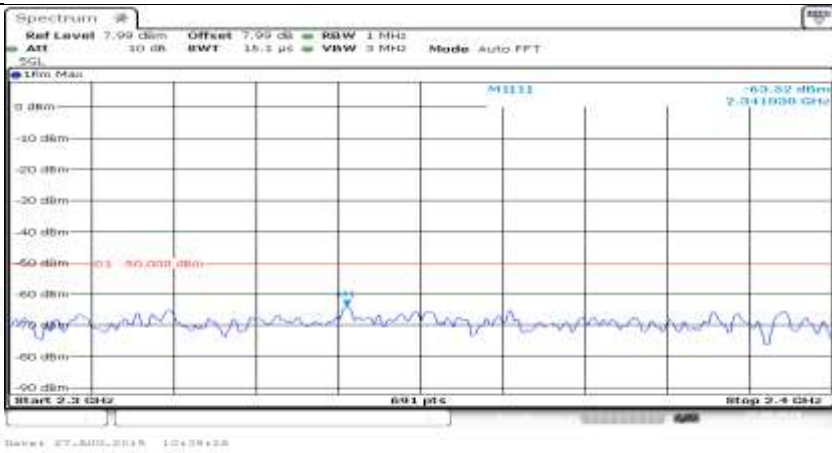
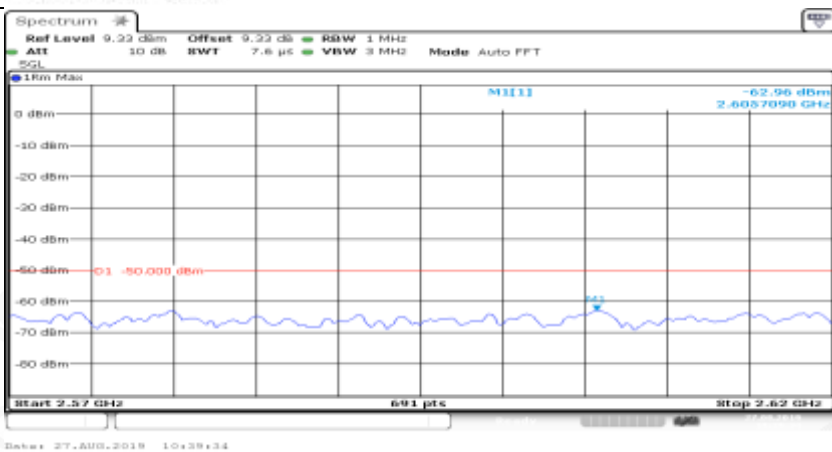
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	
General	

General	 <p>Spectrum plot showing frequency response. Parameters: Ref Level 9.72 dBm, Offset 9.72 dB, RBW 100 kHz, ATT 10 dB, BW 9.7 ms, VBW 300 kHz, Mode Auto Sweep. The plot shows a noise floor around -70 dBm with a peak at 944.60 MHz reaching -79.74 dBm. A red limit line is at -36.000 dBm.</p>
General	 <p>Spectrum plot showing frequency response. Parameters: Ref Level 7.99 dBm, Offset 7.99 dB, RBW 1 MHz, ATT 10 dB, BW 1 ms, VBW 3 MHz, Mode Auto Sweep. The plot shows a noise floor around -60 dBm with a peak at 1.93970 GHz reaching -60.64 dBm. A red limit line is at -36.000 dBm.</p>
General	 <p>Spectrum plot showing frequency response. Parameters: Ref Level 7.04 dBm, Offset 7.04 dB, RBW 1 MHz, ATT 10 dB, BW 3.3 ms, VBW 3 MHz, Mode Auto Sweep. The plot shows a noise floor around -60 dBm with a peak at 4.74060 GHz reaching -60.62 dBm. A red limit line is at -36.000 dBm.</p>

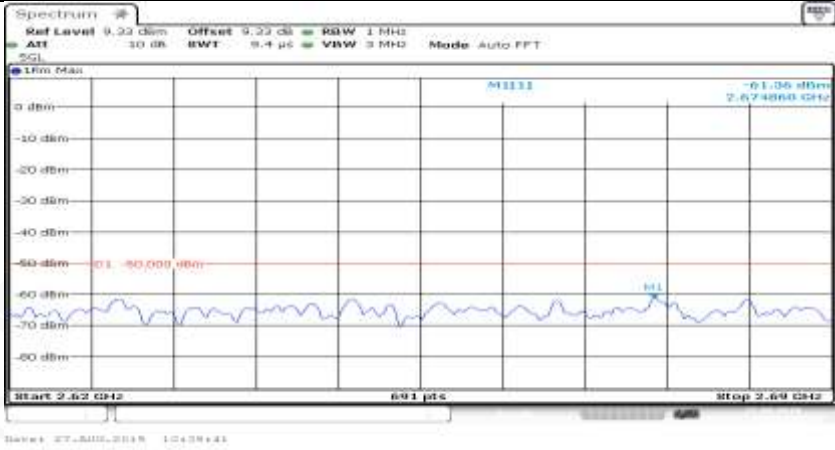
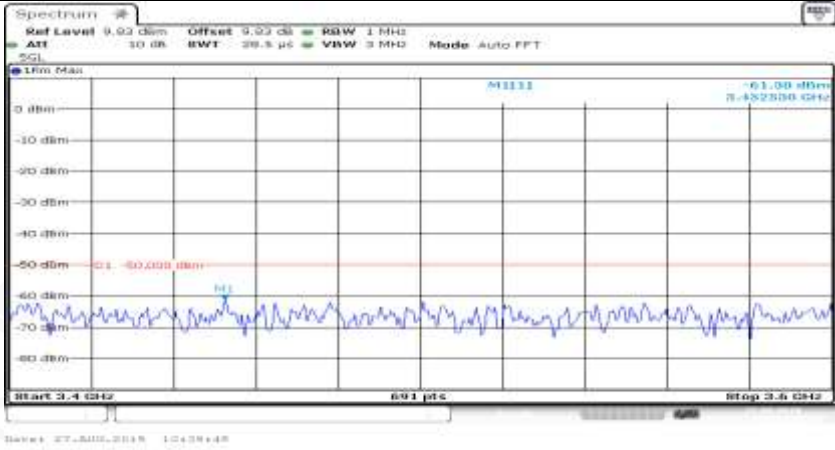
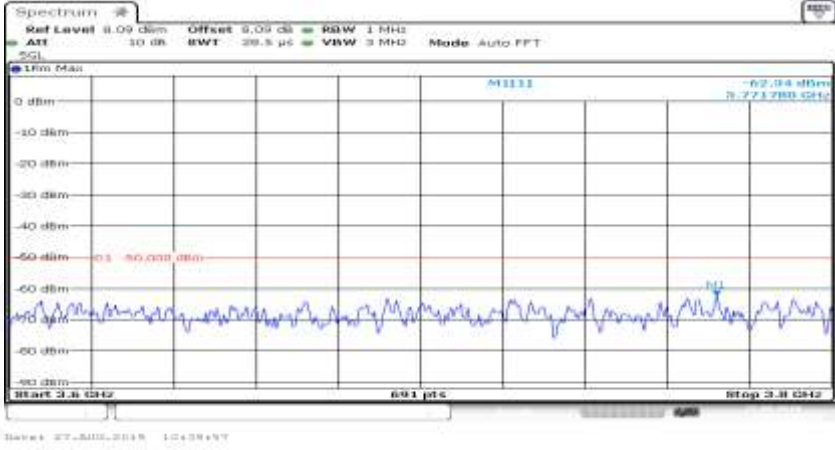


General	
Co-existence	
Co-existence	

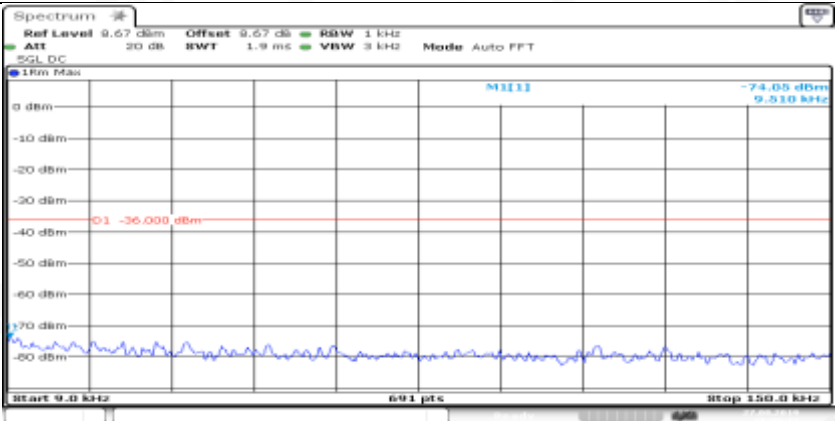
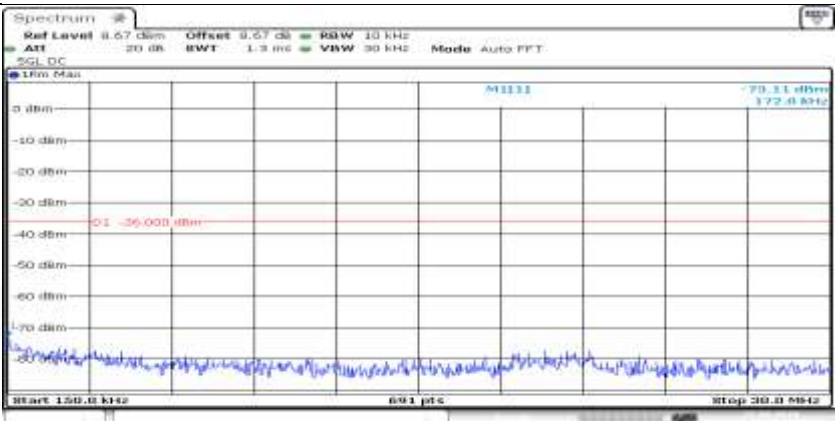
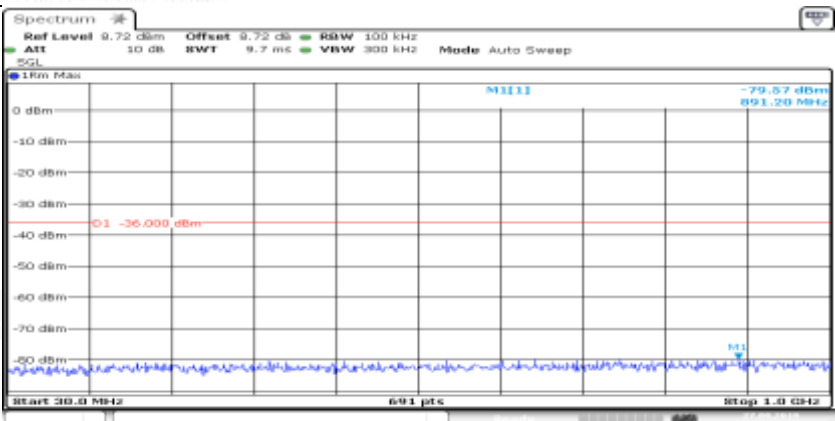
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



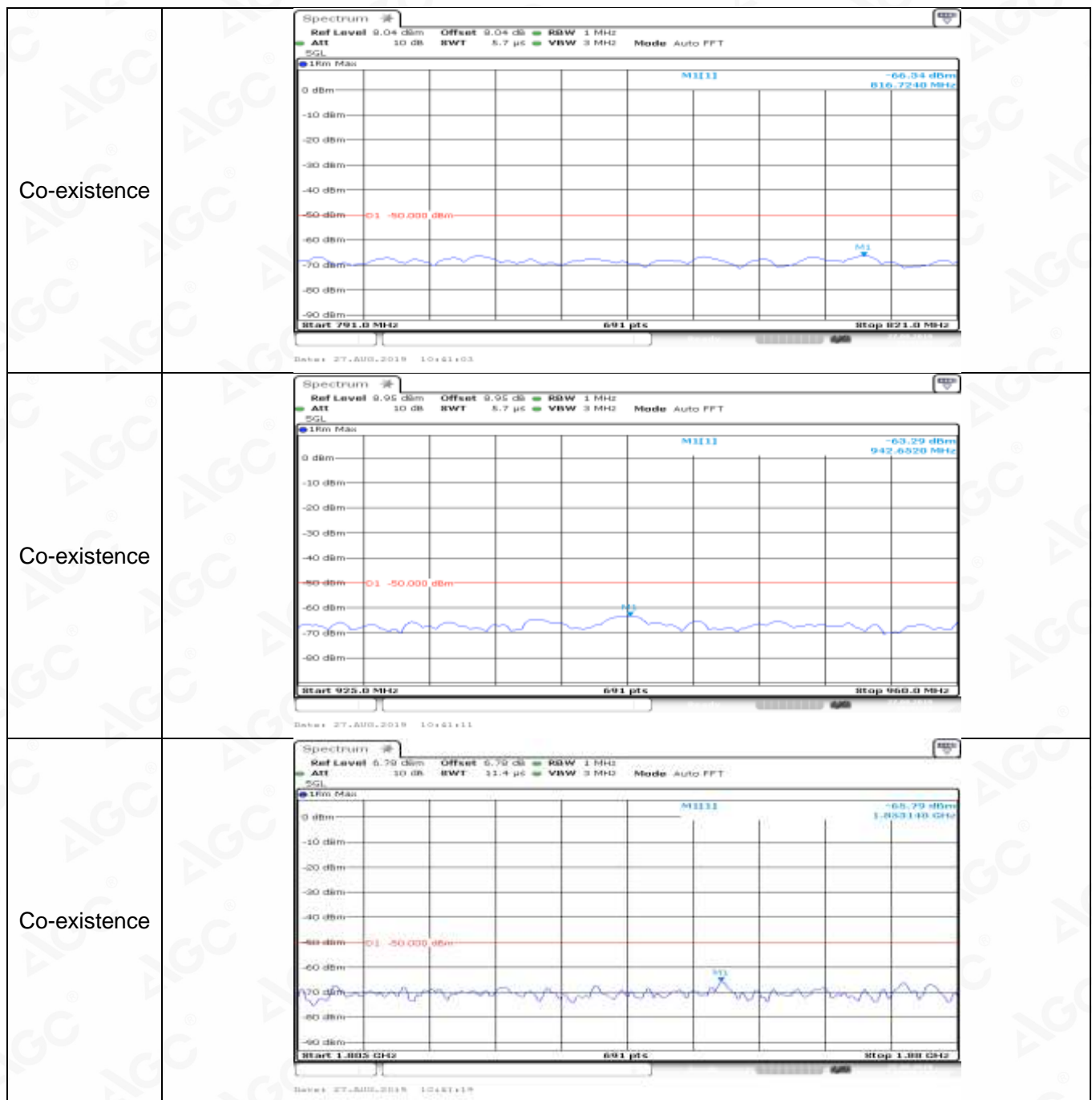
Co-existence	
Co-existence	
Co-existence	
Additional	NA

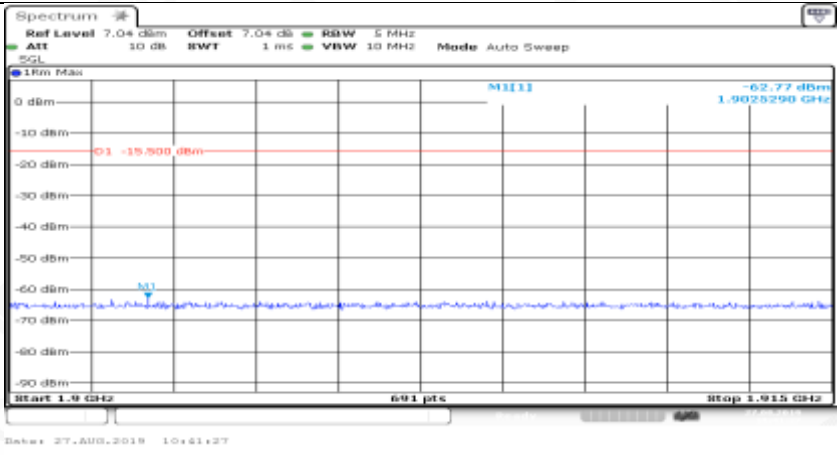
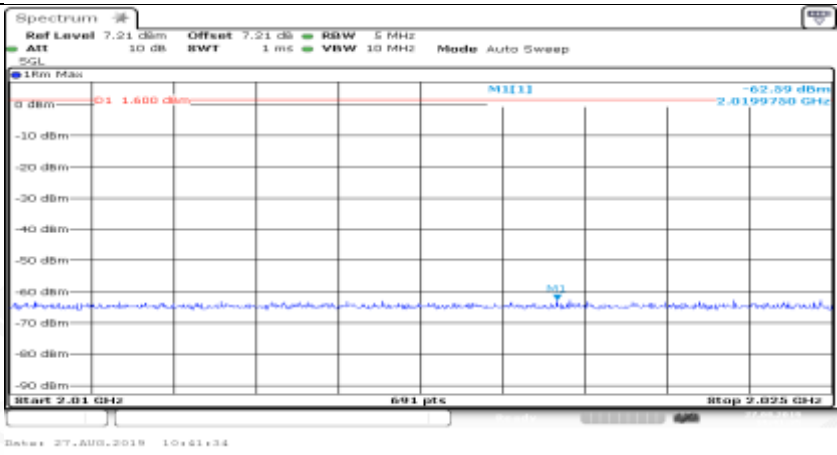

Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0

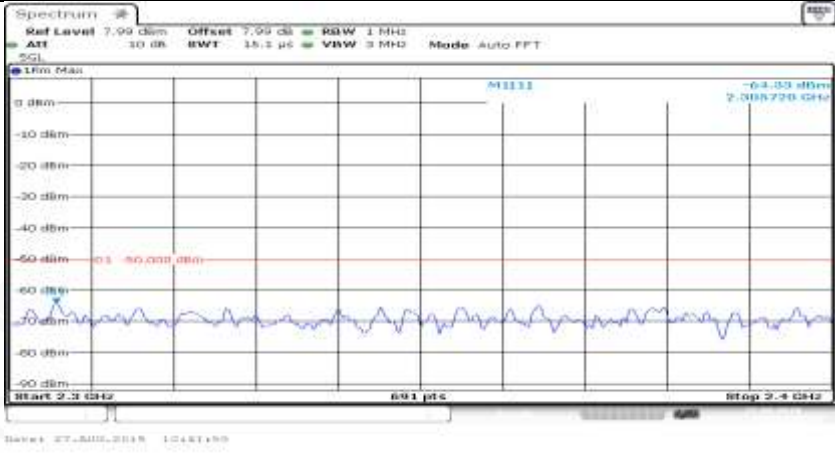
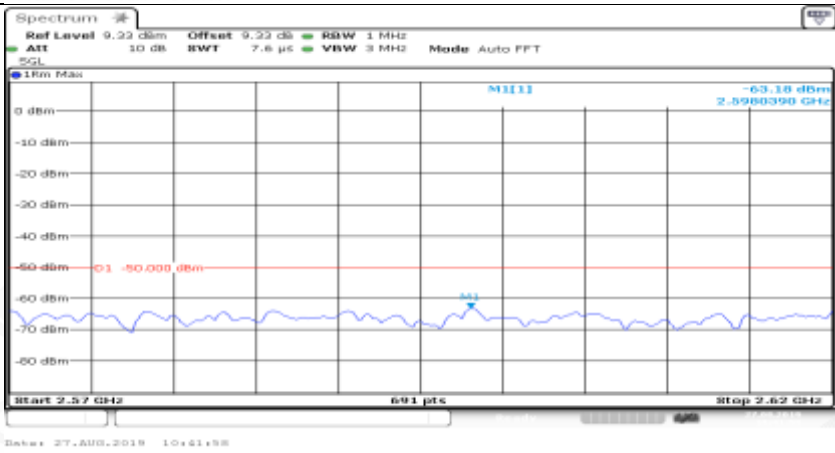
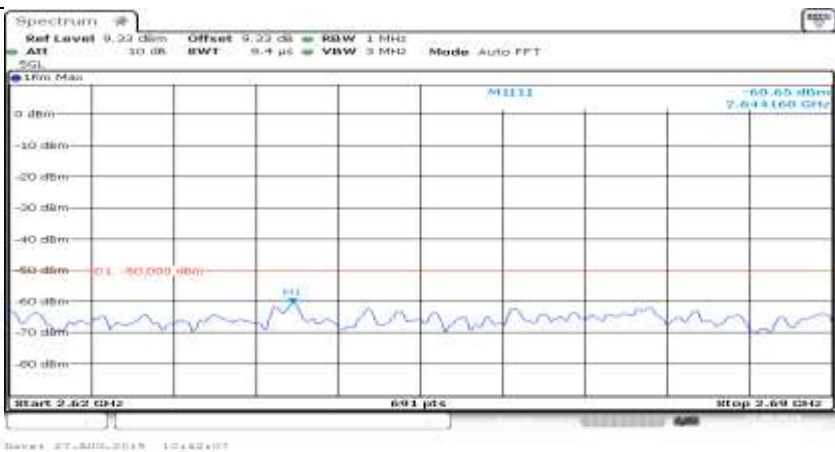
General	 <p>Start 9.0 kHz Stop 150.0 kHz</p> <p>Date: 27.AUG.2019 10:40:12</p>
General	 <p>Start 150.0 kHz Stop 30.0 MHz</p> <p>Date: 27.AUG.2019 10:40:22</p>
General	 <p>Start 30.0 MHz Stop 1.0 GHz</p> <p>Date: 27.AUG.2019 10:40:31</p>

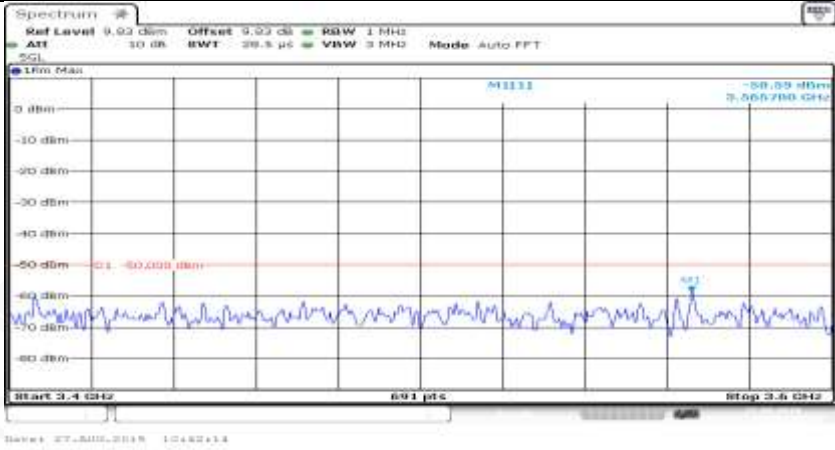
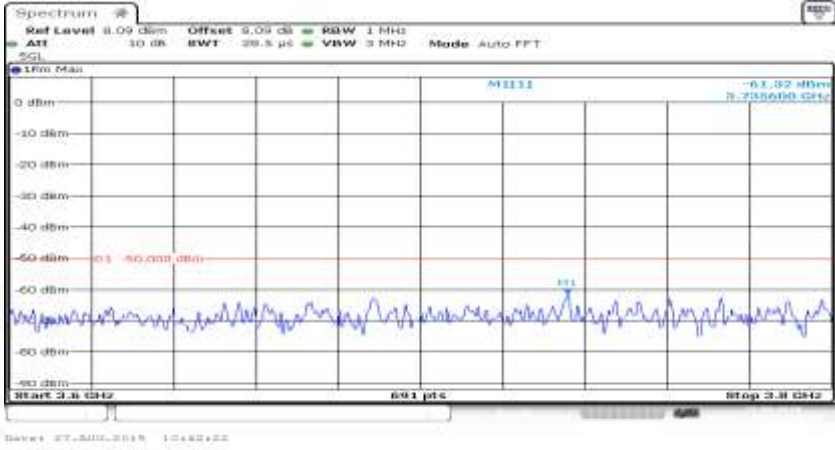
General	
General	
General	

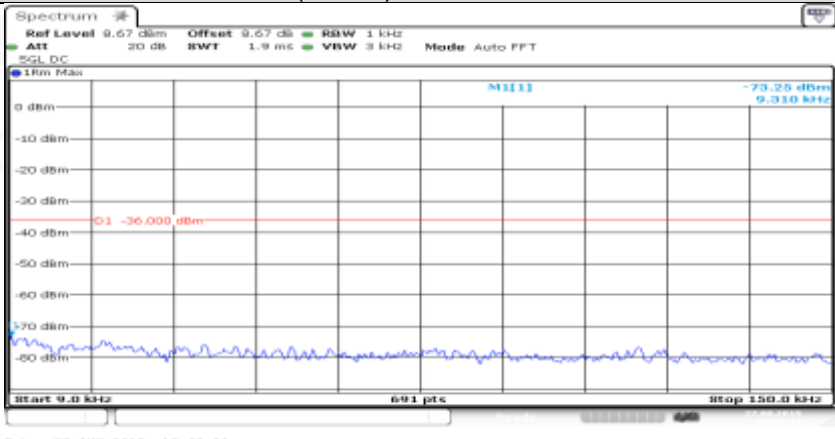


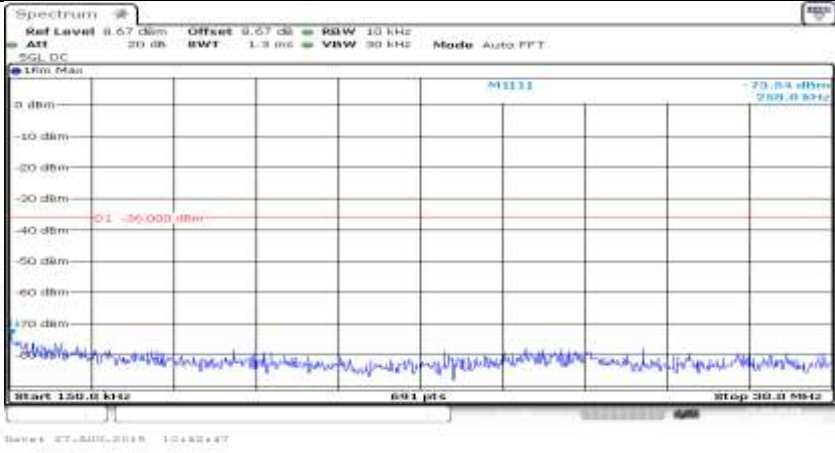
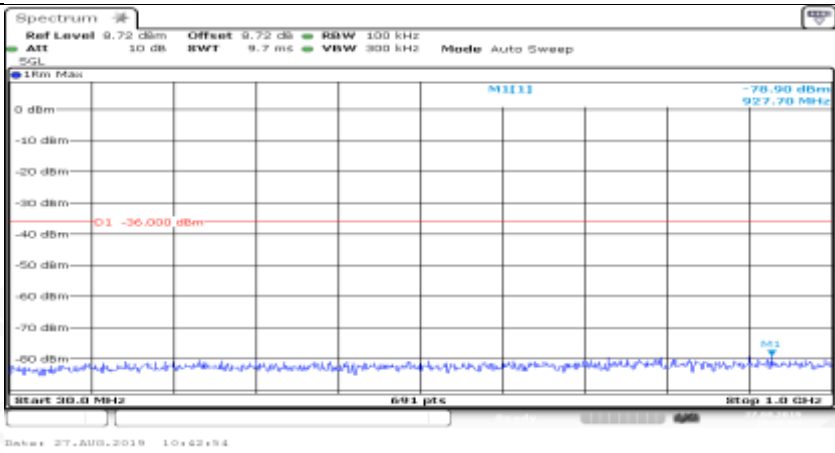
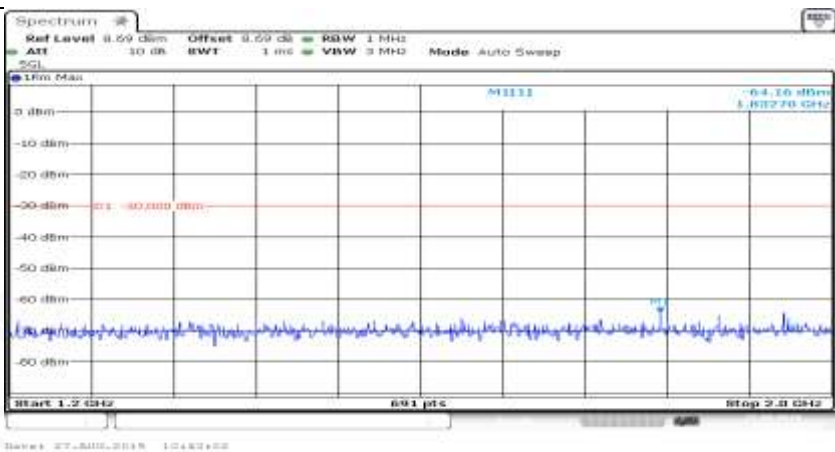


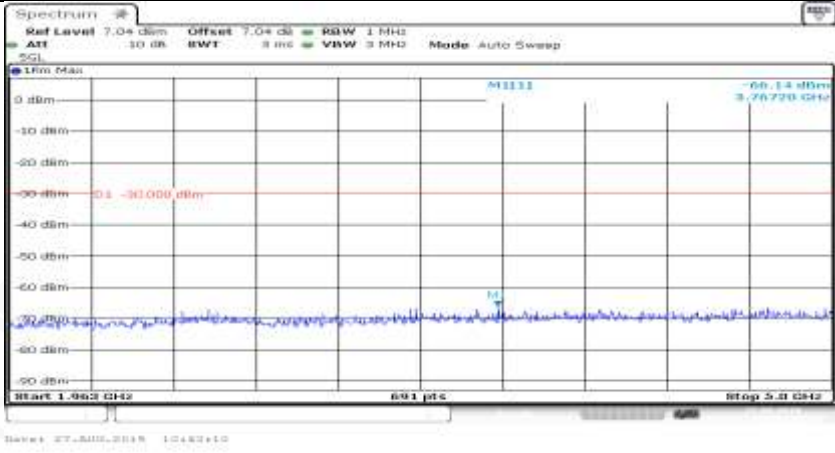
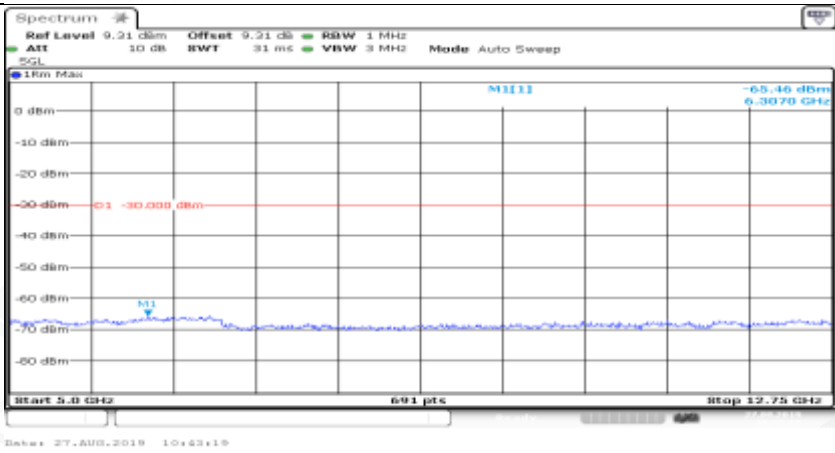
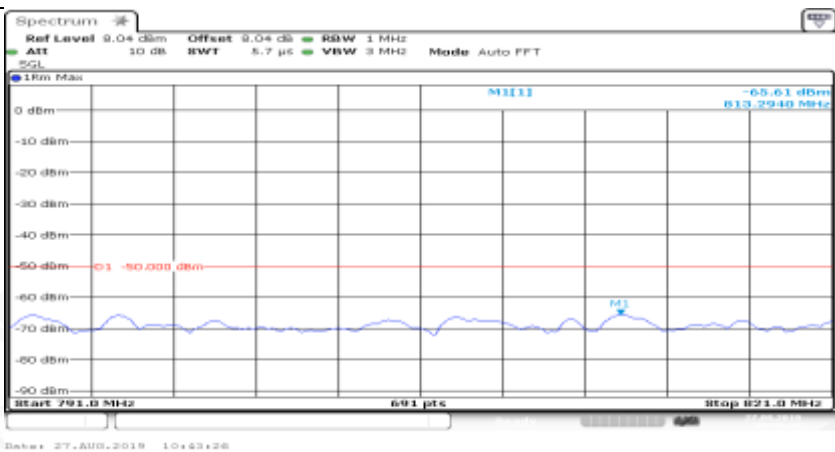
Co-existence	
Co-existence	
Co-existence	

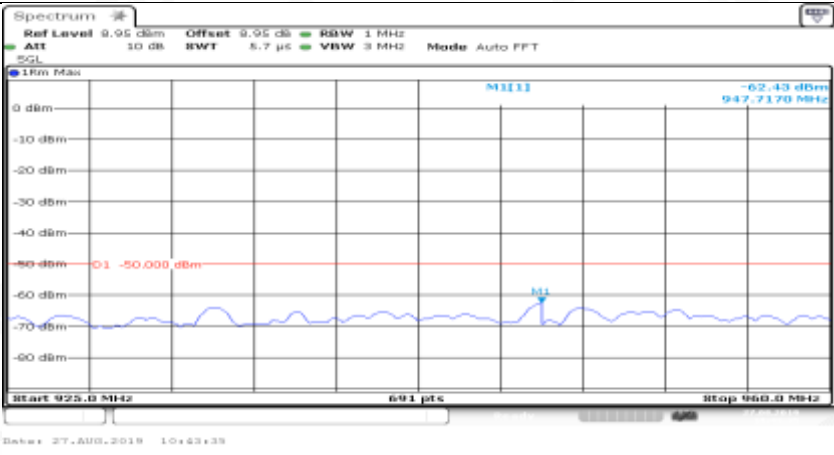

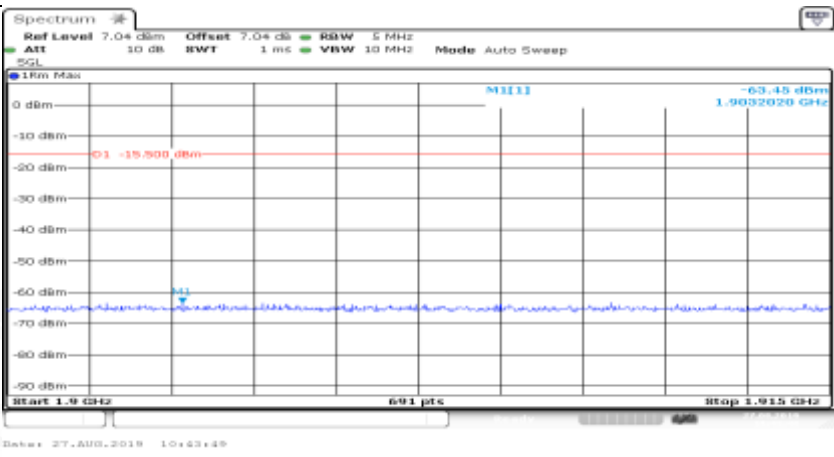
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Additional	NA

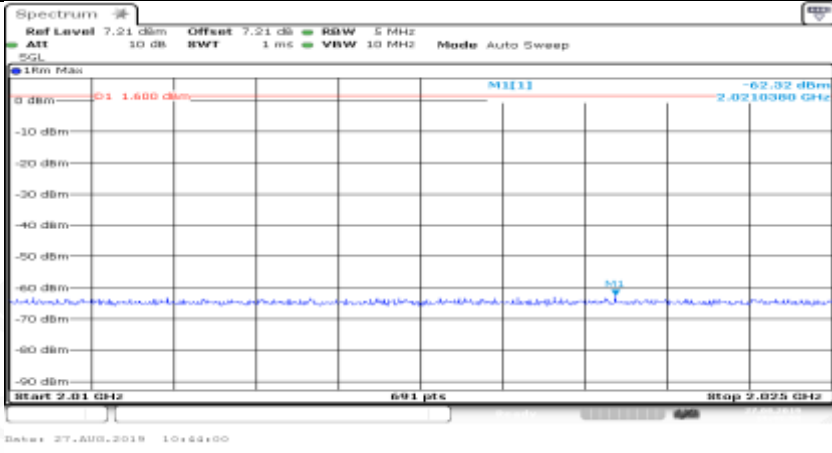

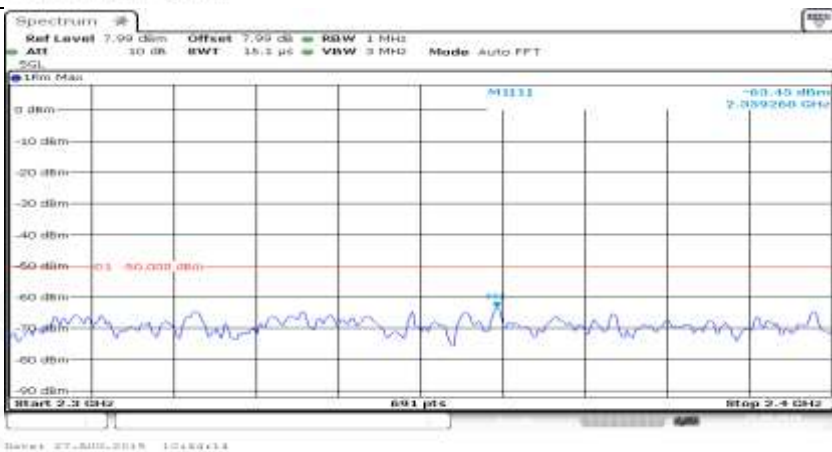
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	

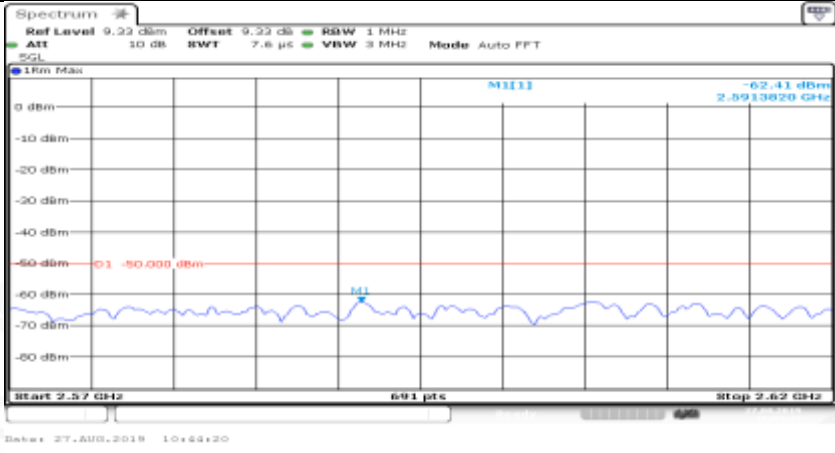

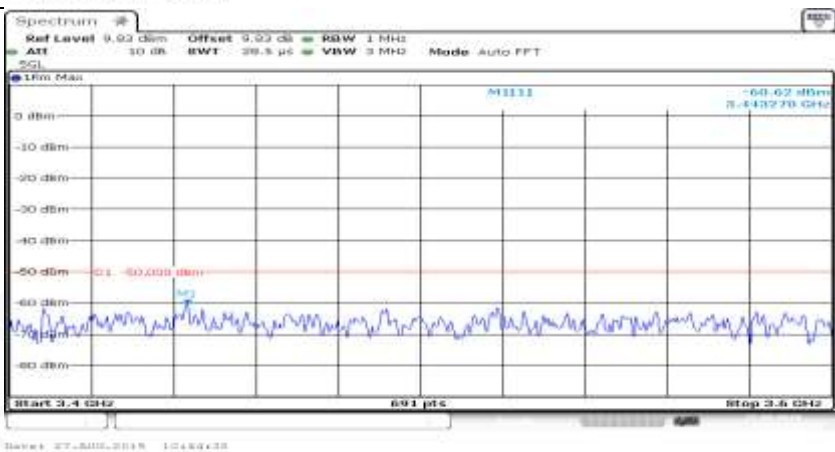
General	
General	
General	

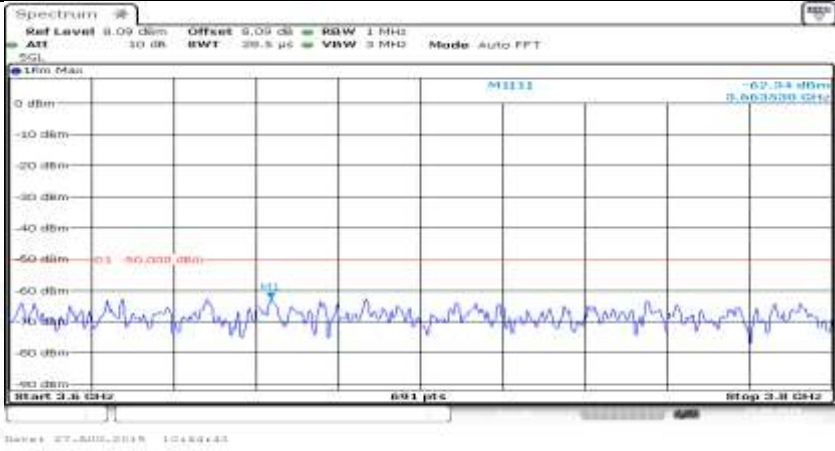
General	
General	
Co-existence	

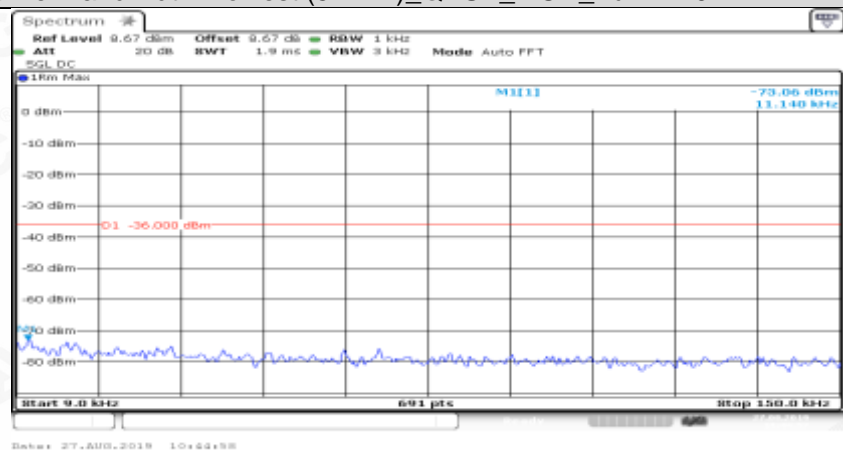
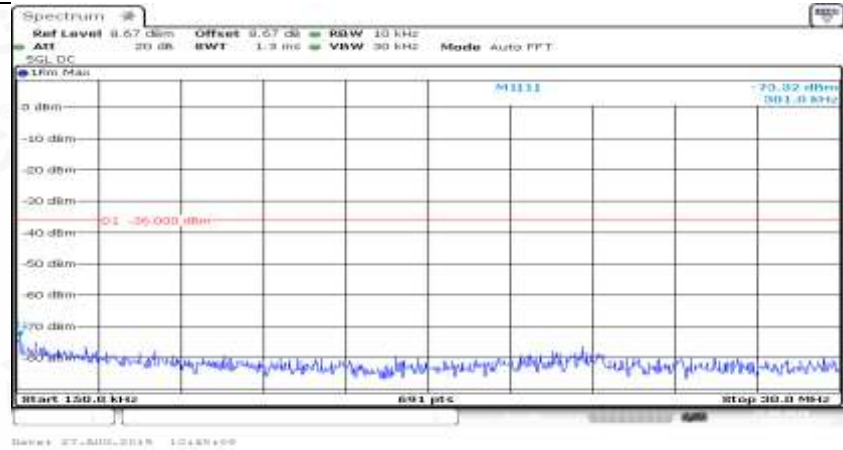
Co-existence	
Co-existence	
Co-existence	

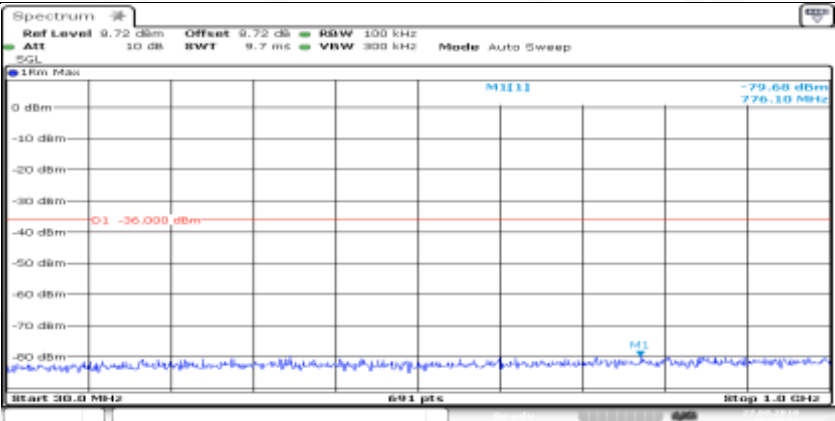
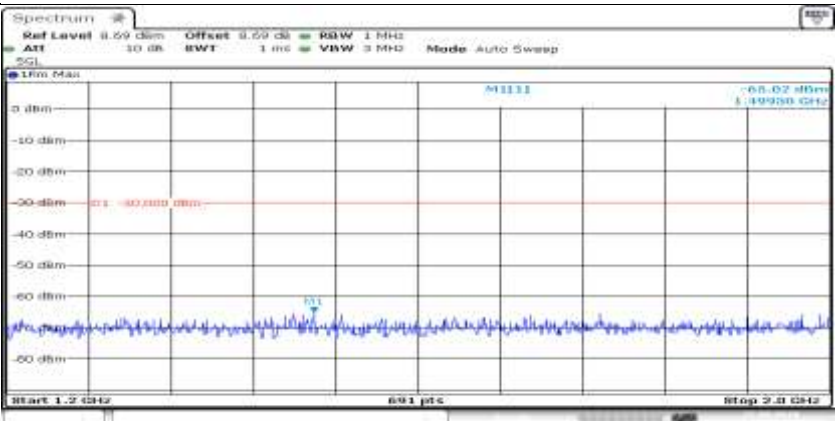
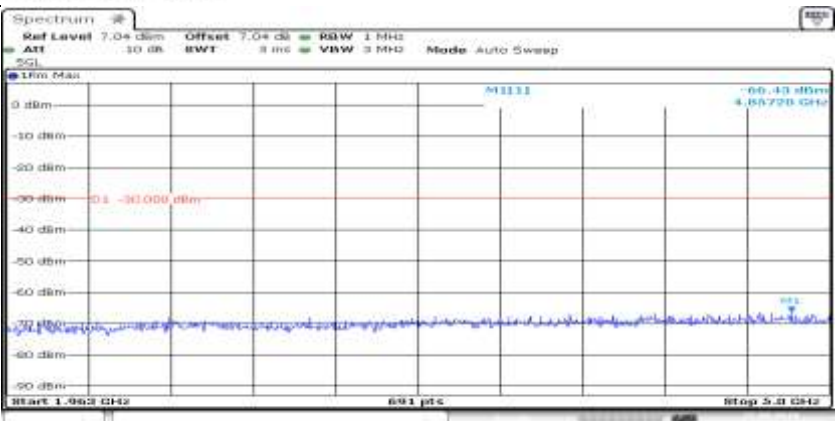


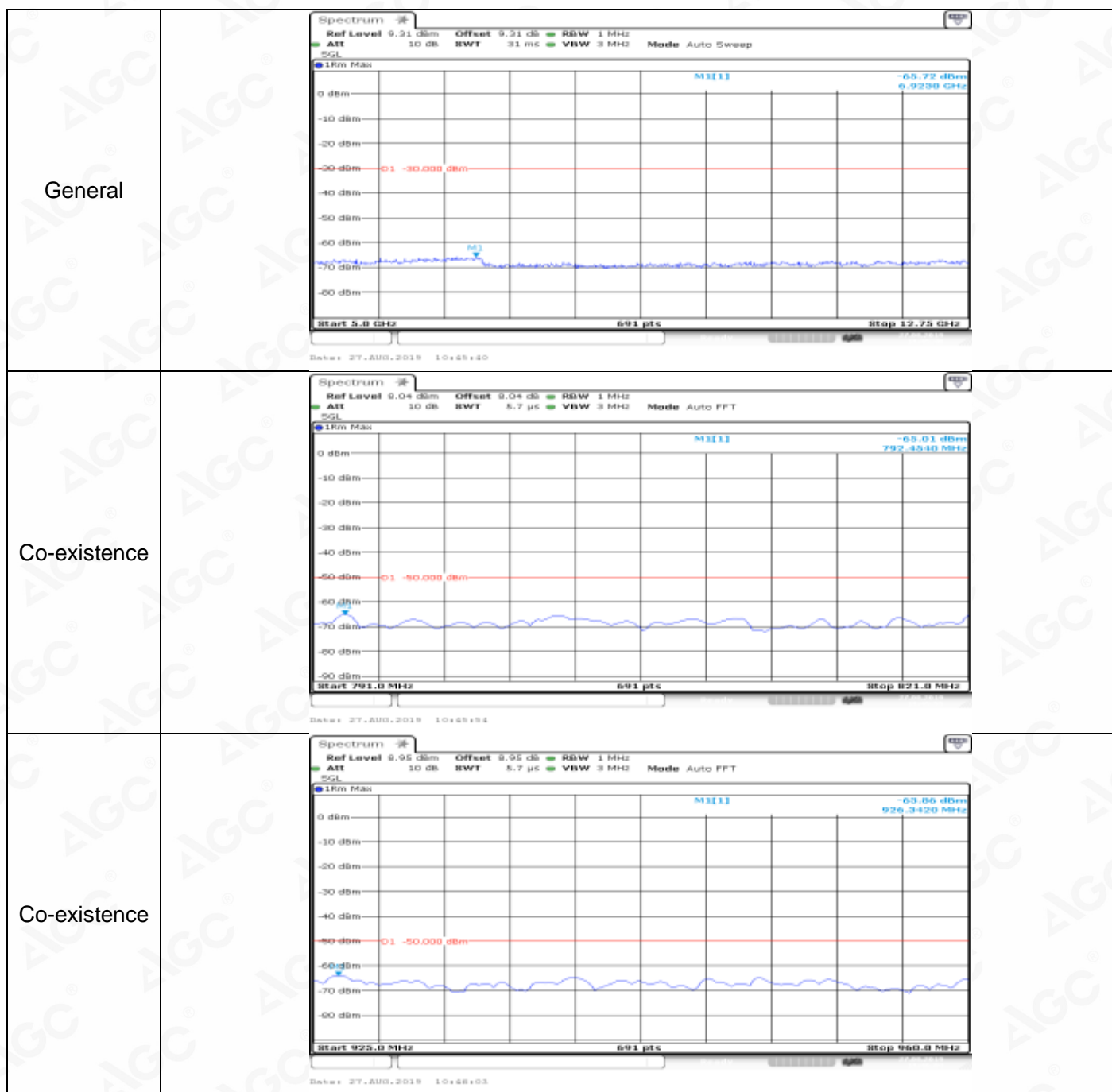
Co-existence	
Co-existence	
Co-existence	

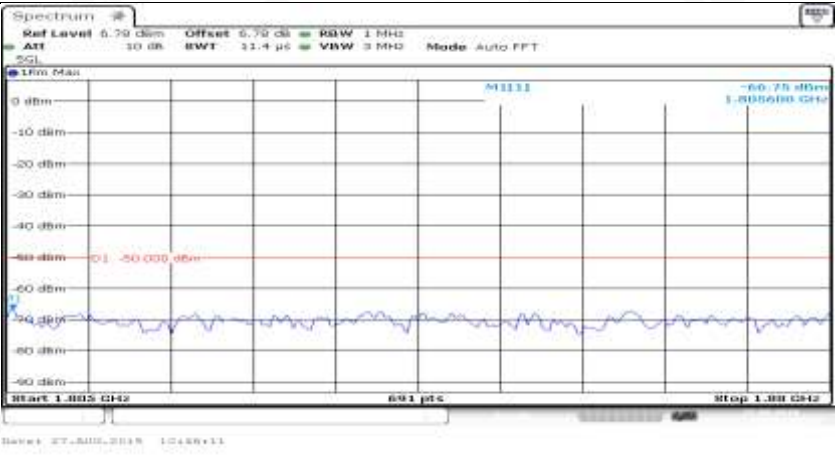
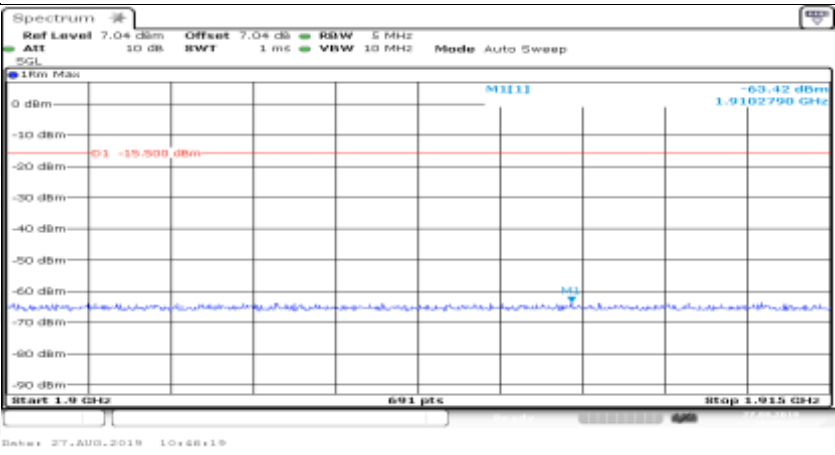
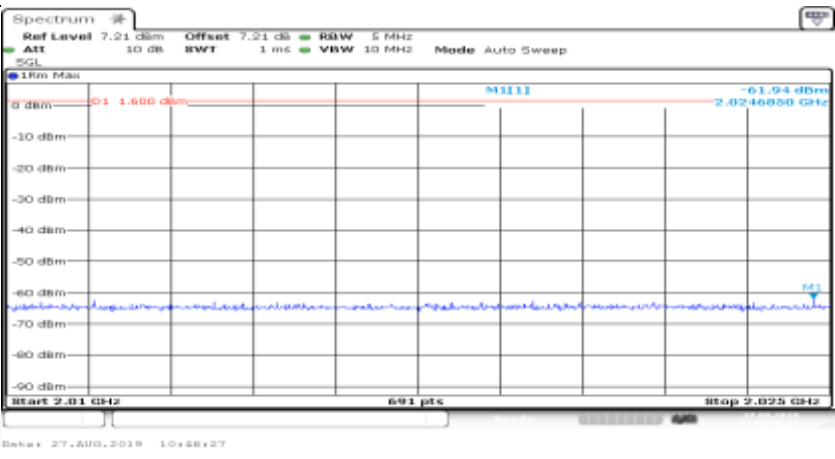
Co-existence	
Co-existence	
Co-existence	

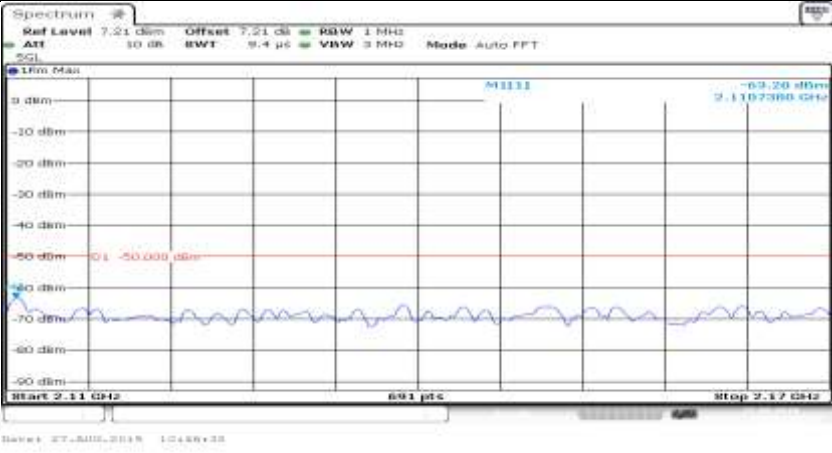
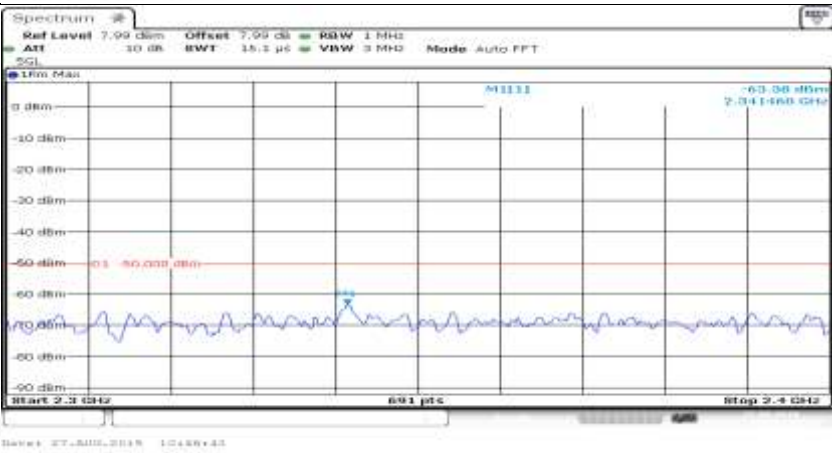
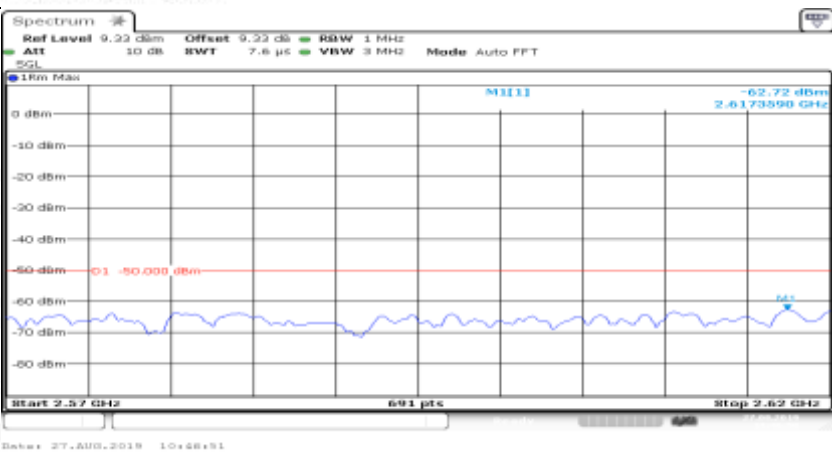
Co-existence	
Additional	NA

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


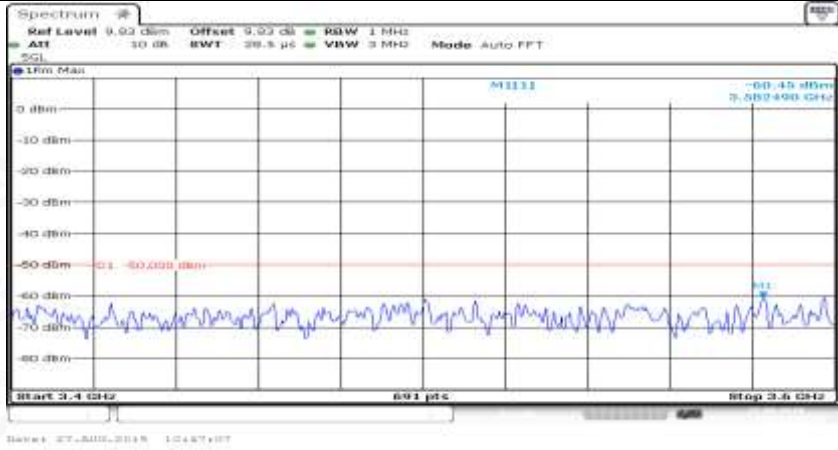
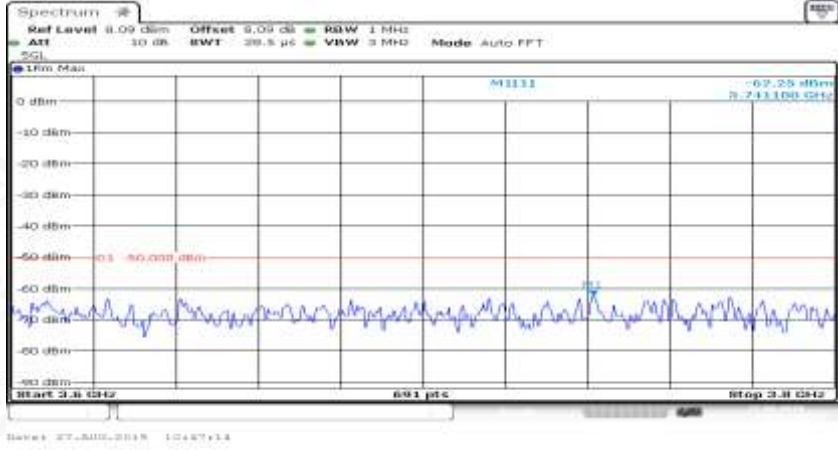
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz ATT 10 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1111</p> <p>-36.000 dBm</p> <p>Start 30.0 MHz Stop 1.0 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2019 10:45:16</p>
General	 <p>Spectrum</p> <p>Ref Level 8.59 dBm Offset 8.59 dB BW 1 MHz ATT 10 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1111</p> <p>-65.02 dBm</p> <p>Start 1.2 GHz Stop 2.0 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2019 10:45:22</p>
General	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz ATT 10 dB SWT 3 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1111</p> <p>-65.43 dBm</p> <p>Start 1.0 GHz Stop 5.0 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2019 10:45:30</p>



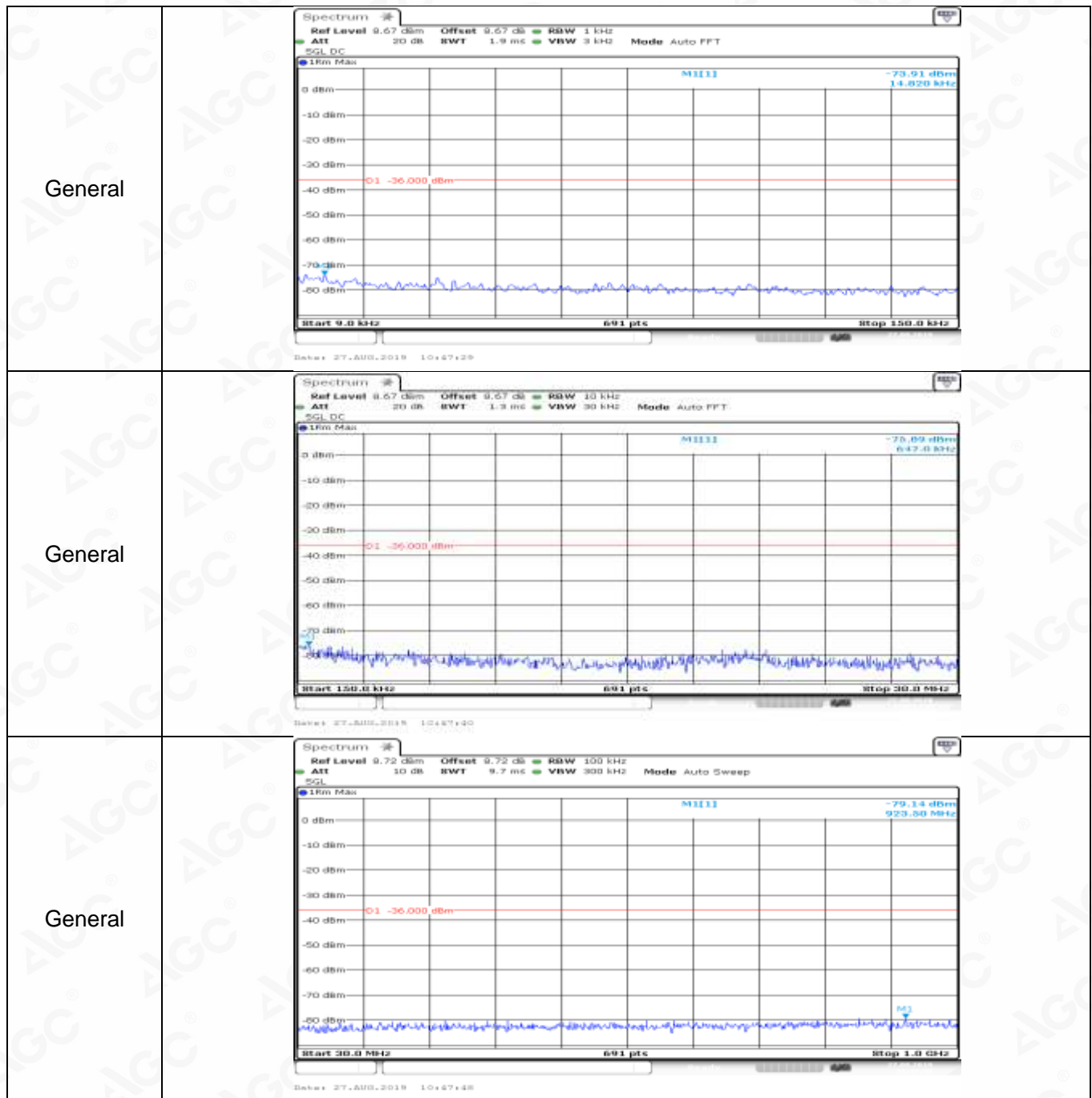
Co-existence	
Co-existence	
Co-existence	

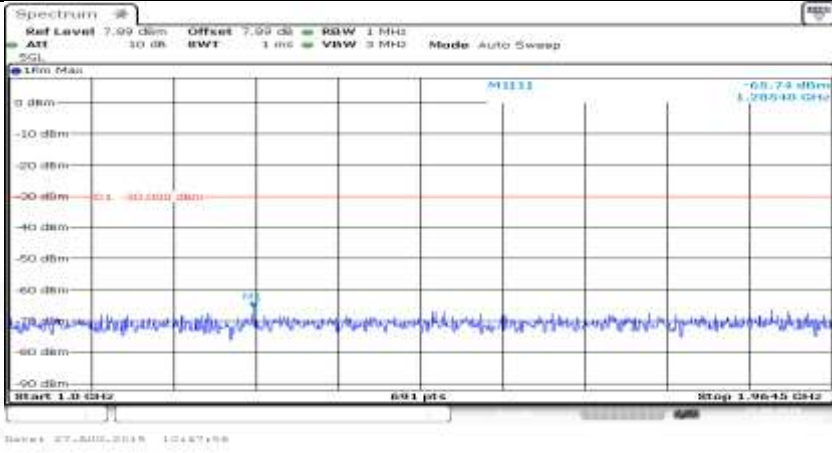
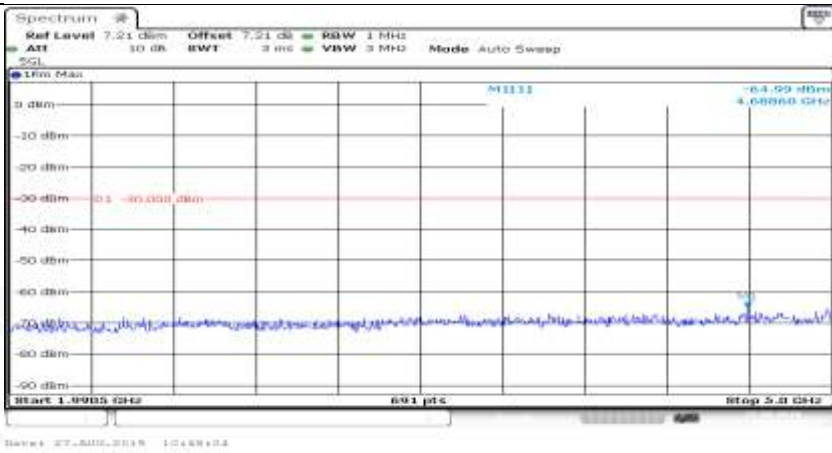
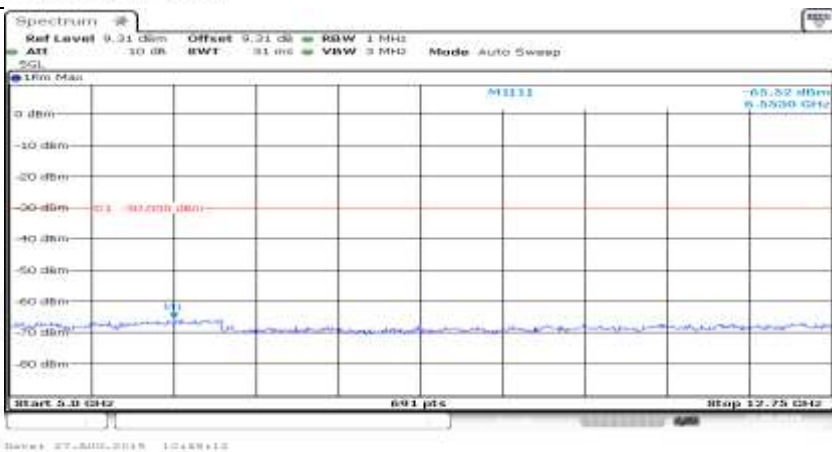
Co-existence	
Co-existence	
Co-existence	

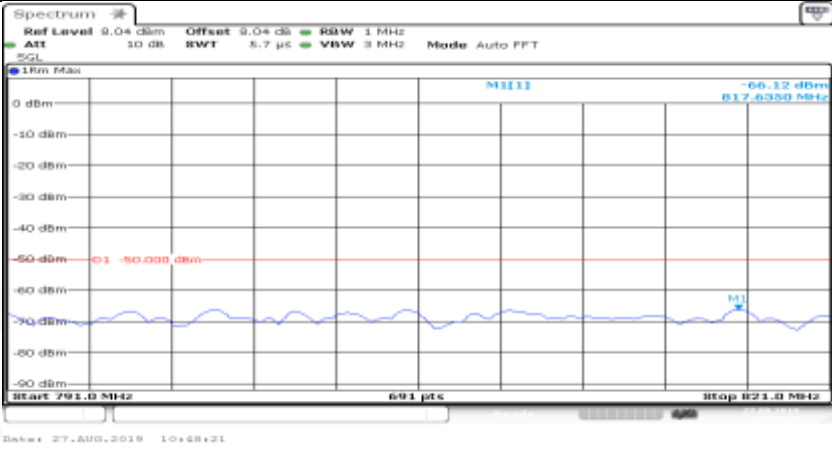
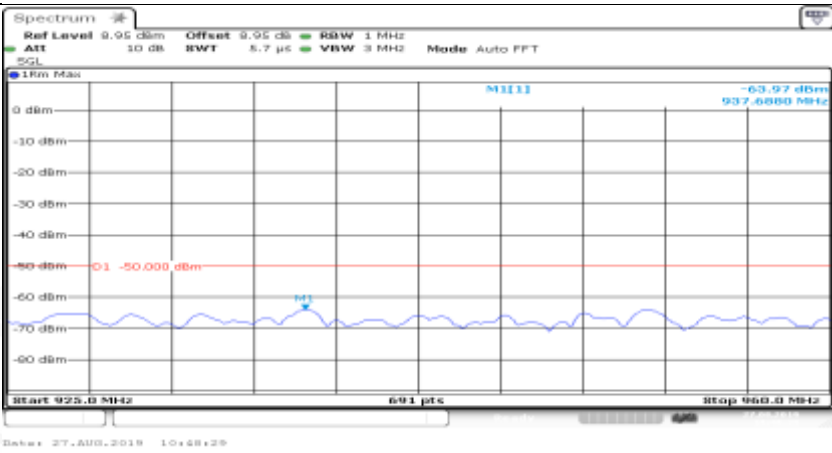
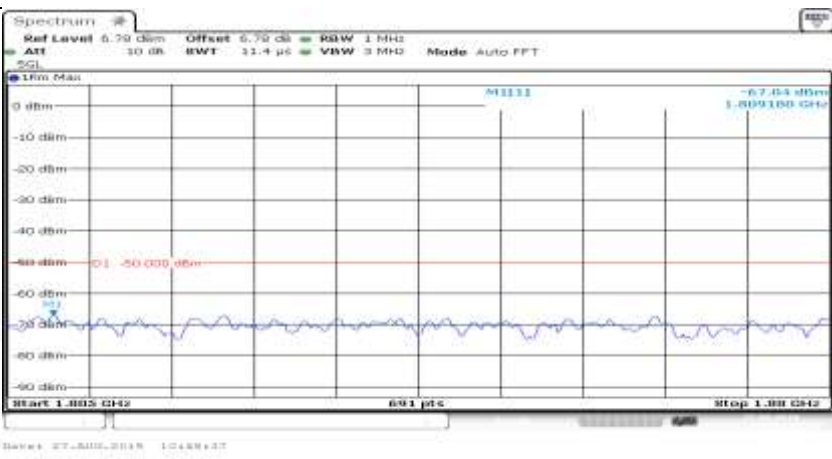


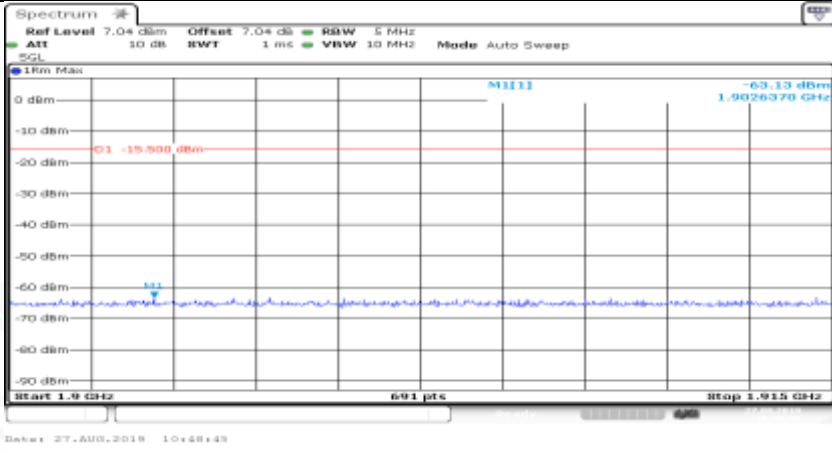
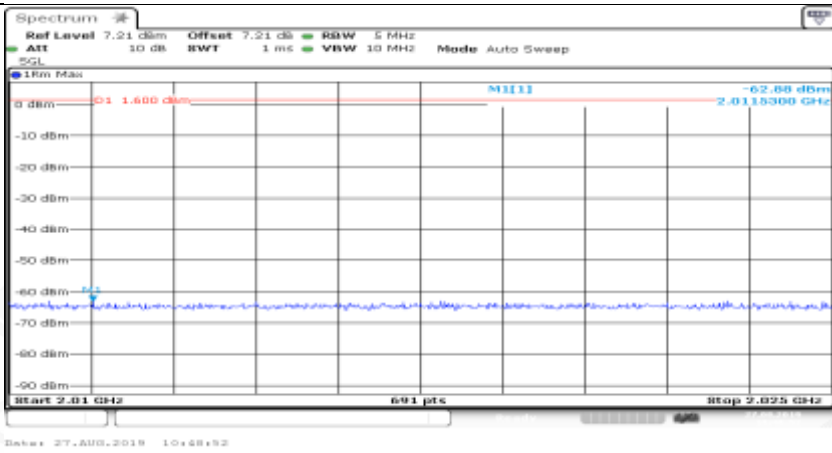
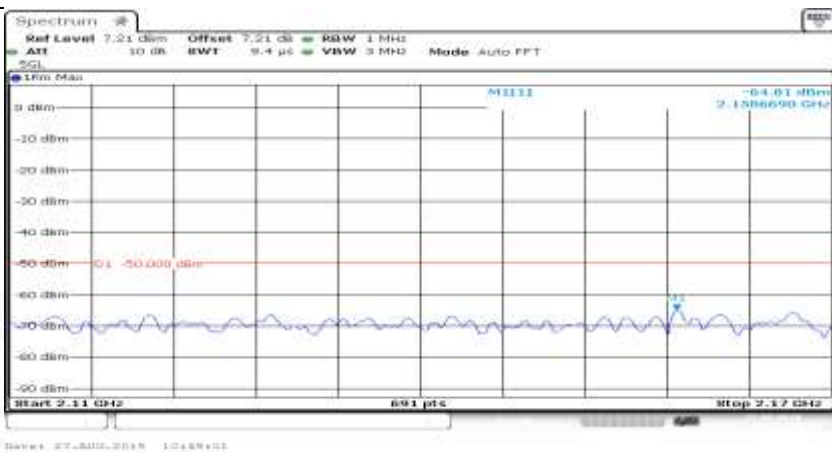
Co-existence	
Co-existence	
Co-existence	
Additional	NA

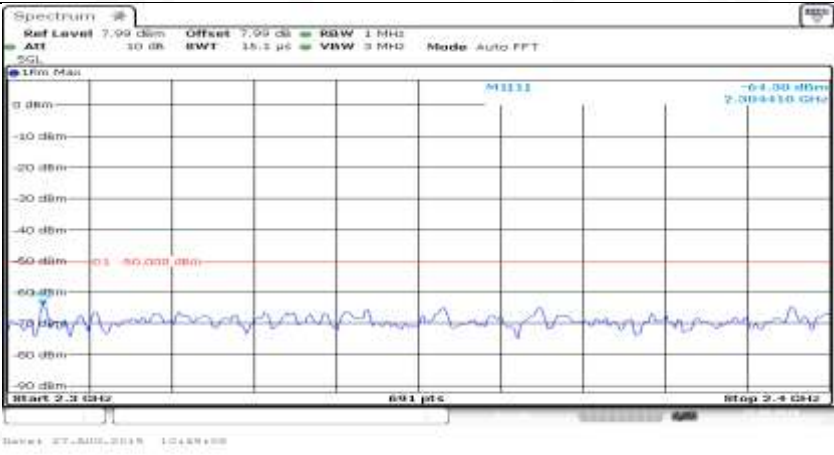
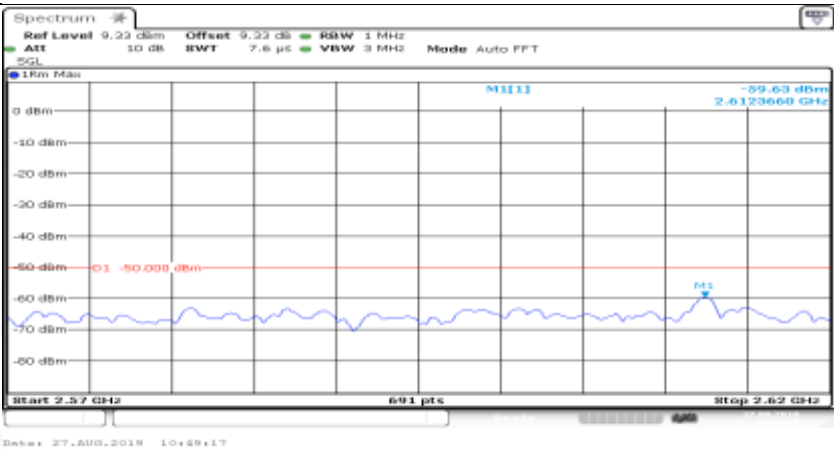

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#0



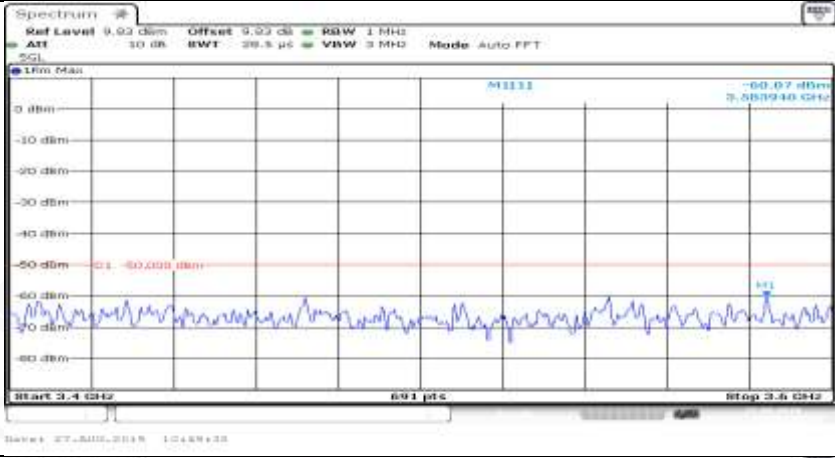
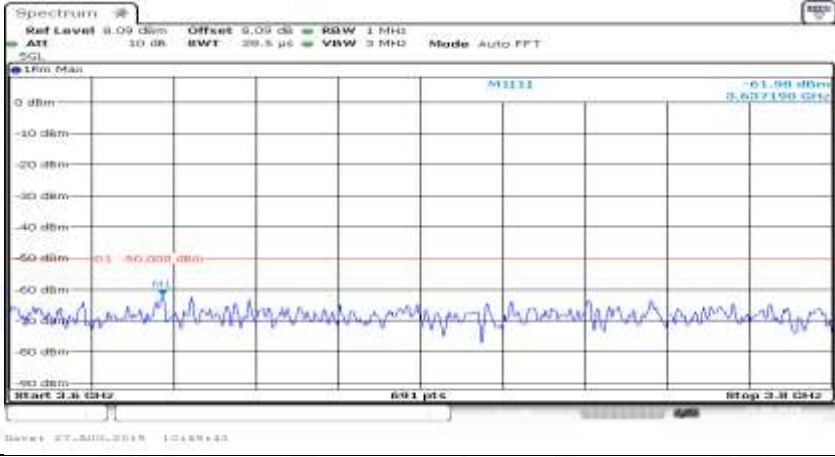
General	
General	
General	

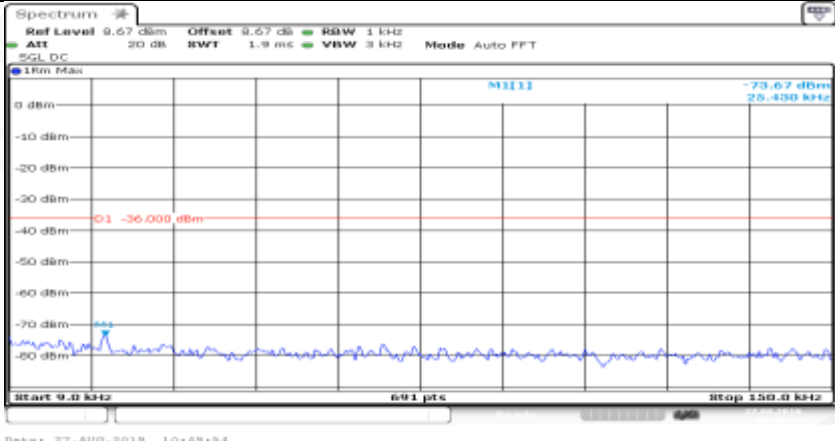
Co-existence	
Co-existence	
Co-existence	

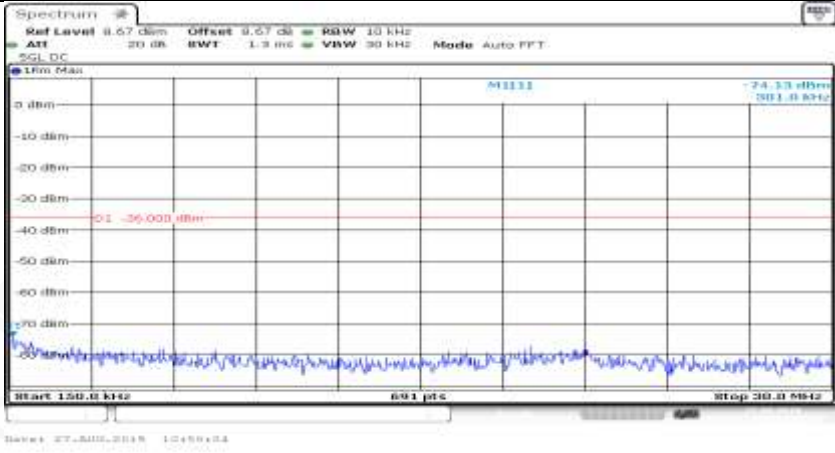
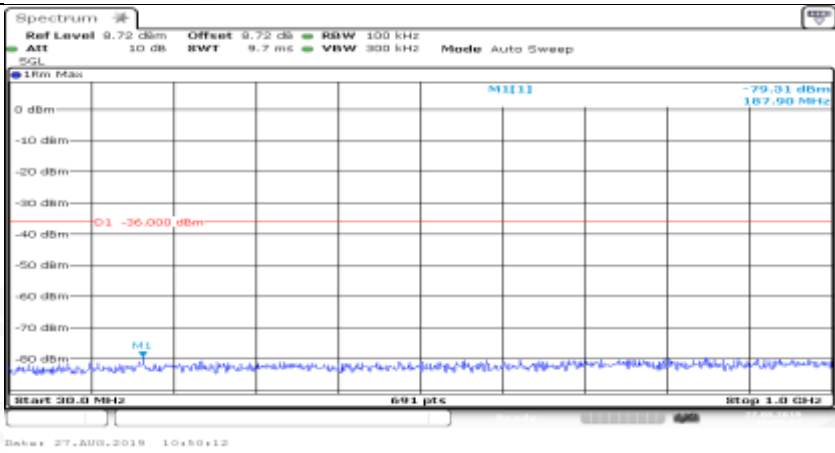
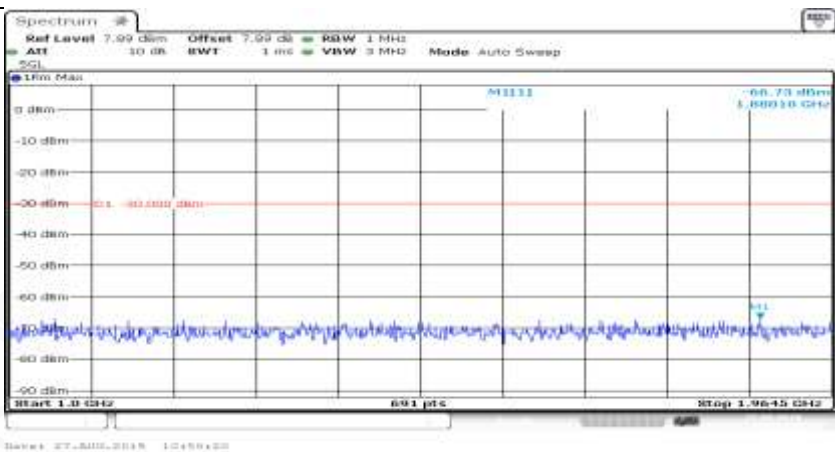
Co-existence	
Co-existence	
Co-existence	

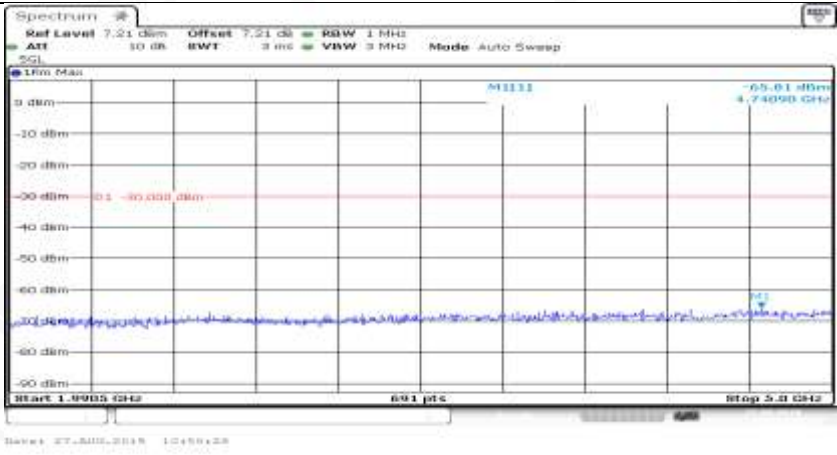
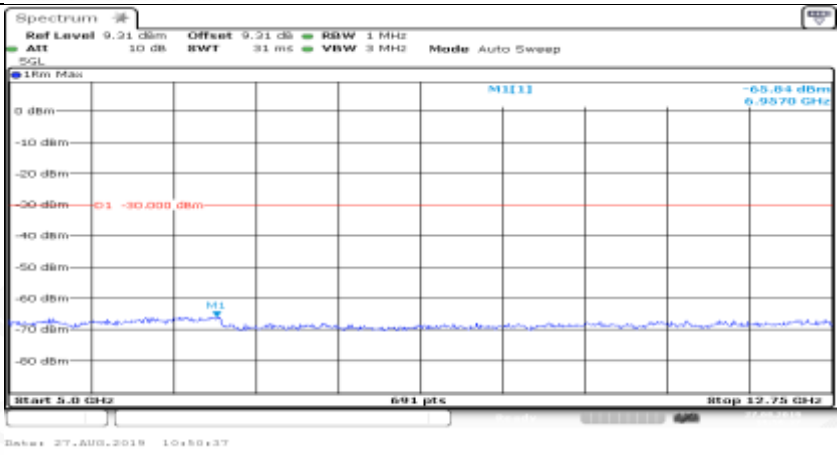
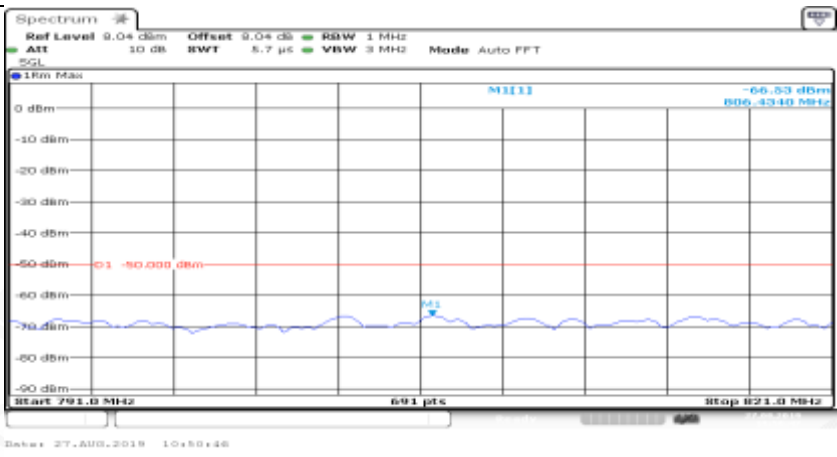
Co-existence	
Co-existence	
Co-existence	

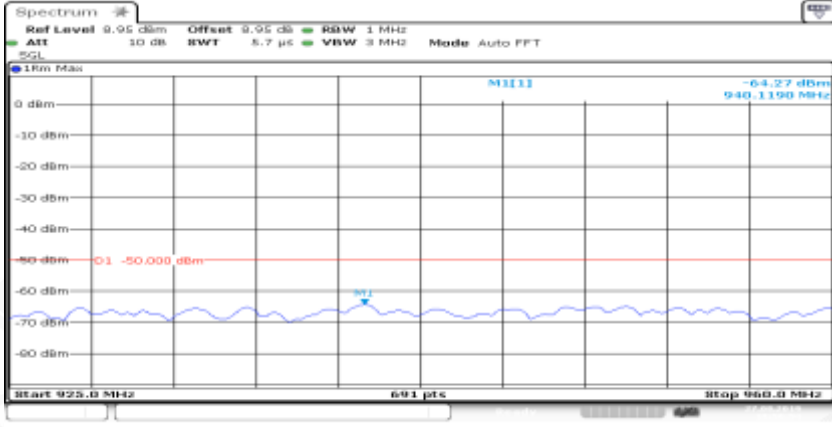
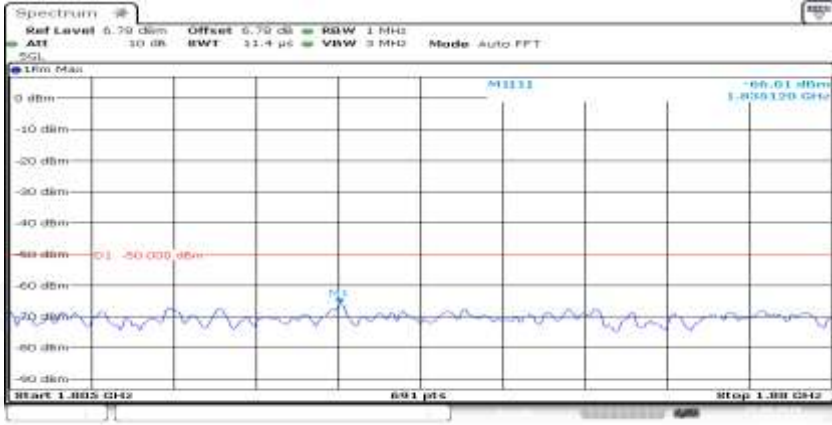
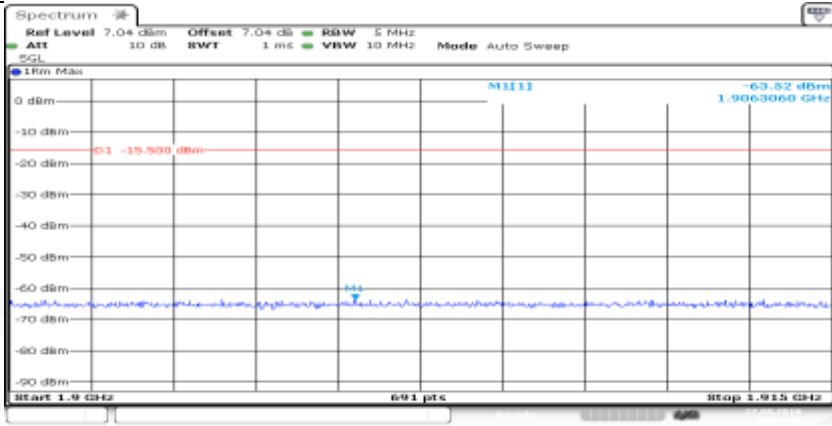


Co-existence	
Co-existence	
Additional	NA

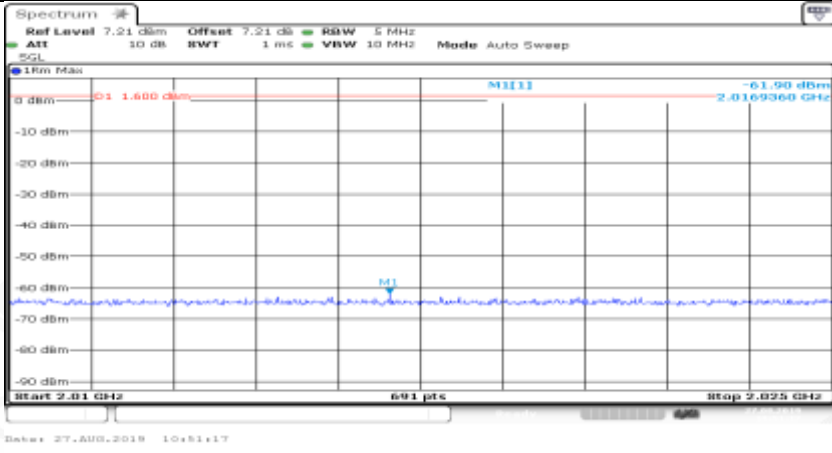


Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	

General	
General	
General	

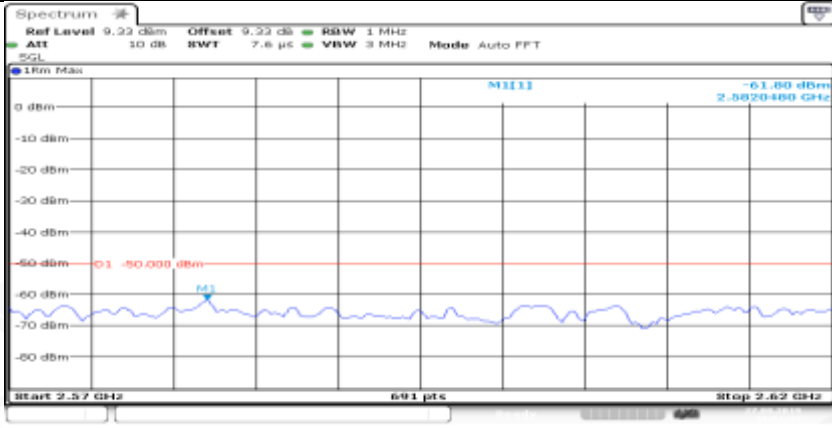

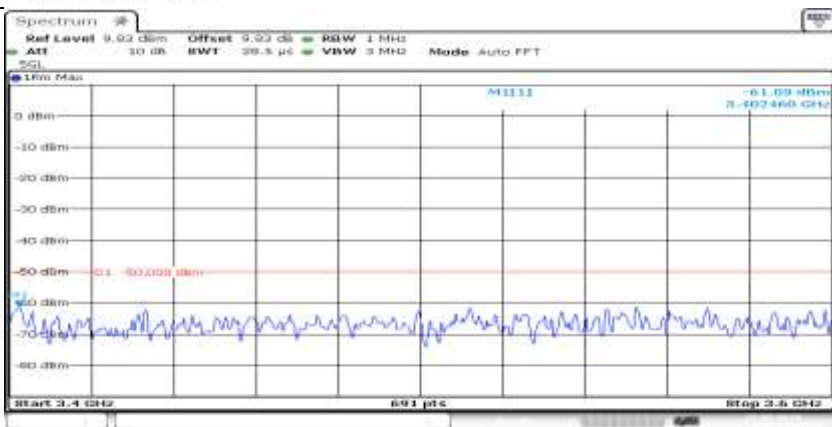
General	
General	
Co-existence	

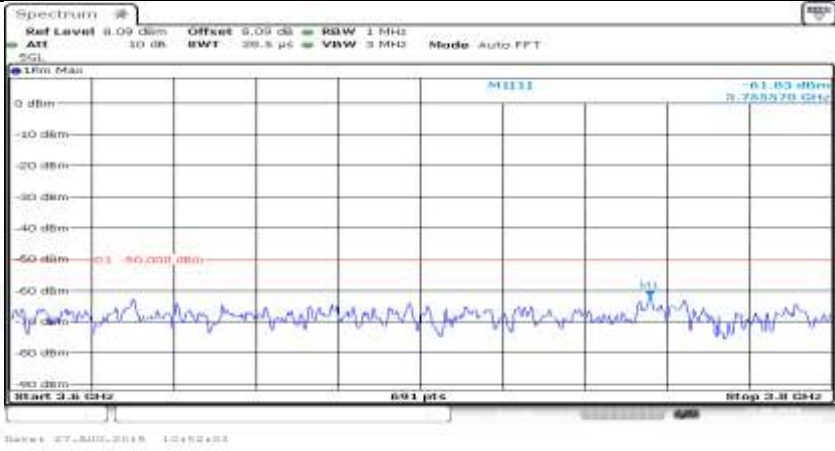
Co-existence	
Co-existence	
Co-existence	

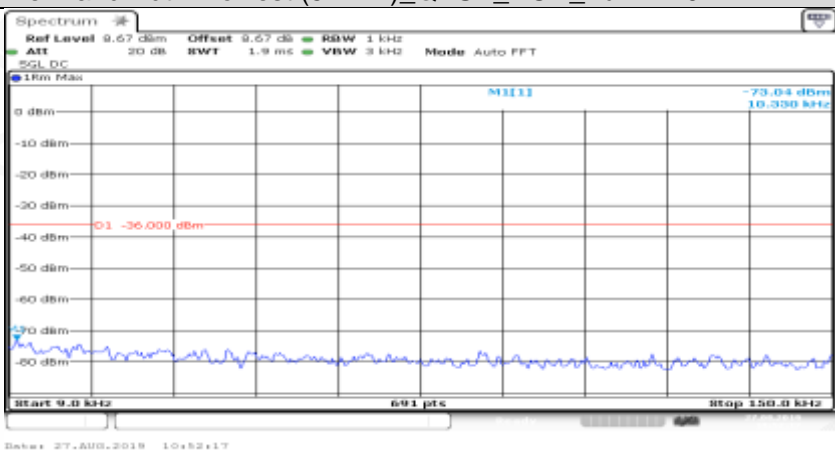
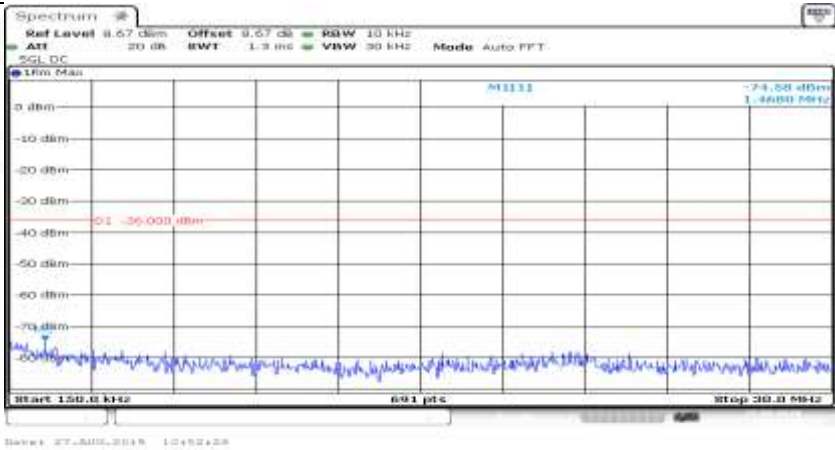


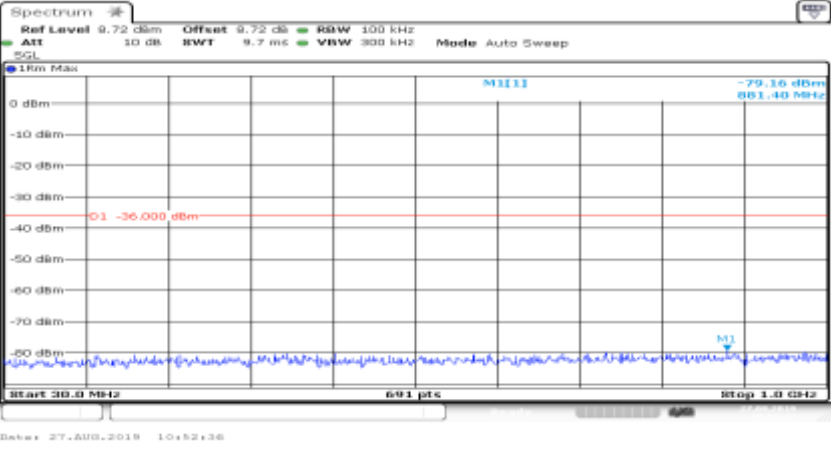
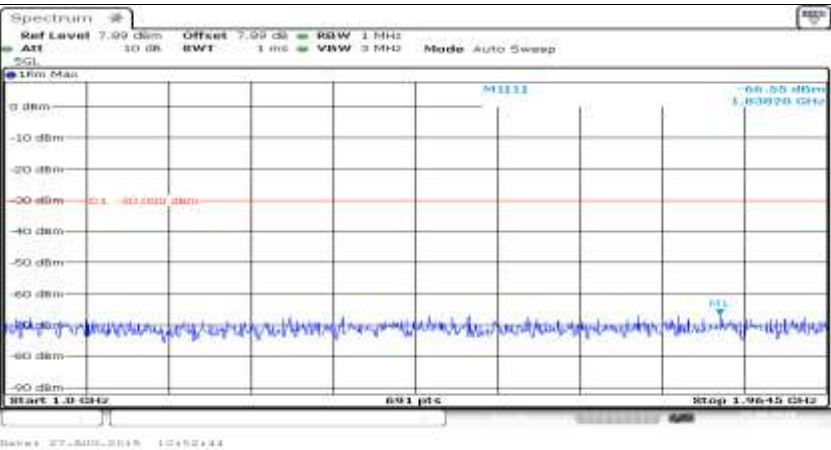
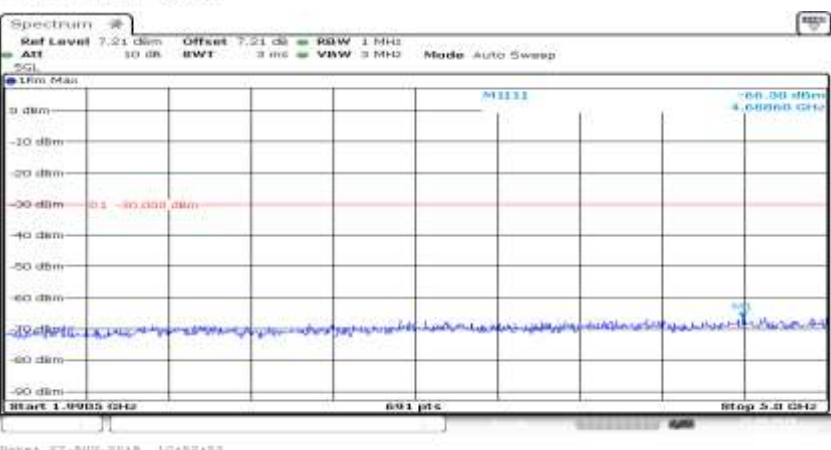
Co-existence	 <p>Spectrum plot showing Co-existence test results. The plot displays a signal at 2.01 GHz with a power level of -61.90 dBm. The frequency range is from 2.01 GHz to 2.025 GHz. The power level is -61.90 dBm at 2.0169360 GHz.</p>
Co-existence	 <p>Spectrum plot showing Co-existence test results. The plot displays a signal at 2.11 GHz with a power level of -65.07 dBm. The frequency range is from 2.11 GHz to 2.12 GHz. The power level is -65.07 dBm at 2.1143270 GHz.</p>
Co-existence	 <p>Spectrum plot showing Co-existence test results. The plot displays a signal at 2.4 GHz with a power level of -64.13 dBm. The frequency range is from 2.4 GHz to 2.4 GHz. The power level is -64.13 dBm at 2.4000070 GHz.</p>



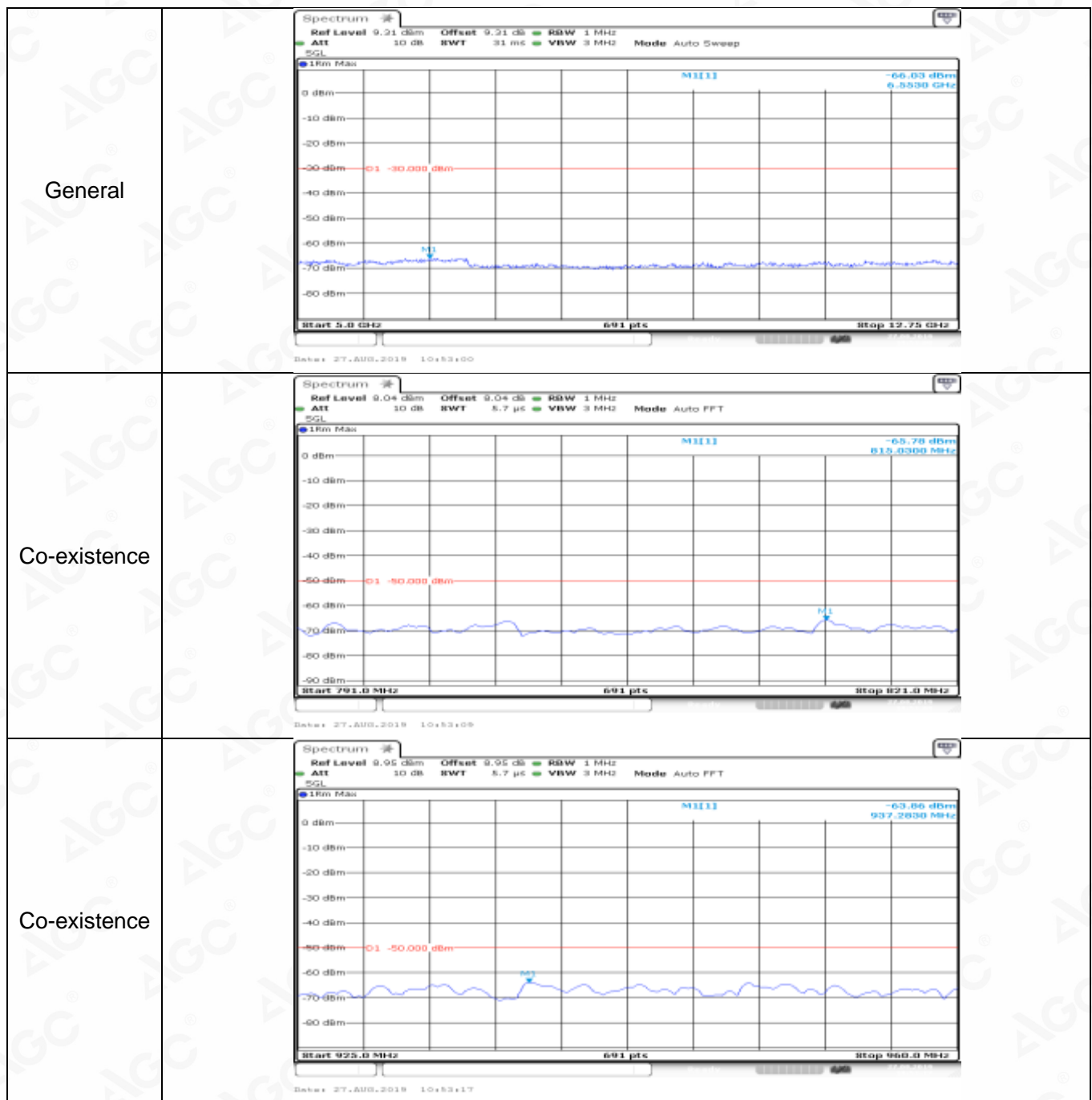
Co-existence	
Co-existence	
Co-existence	


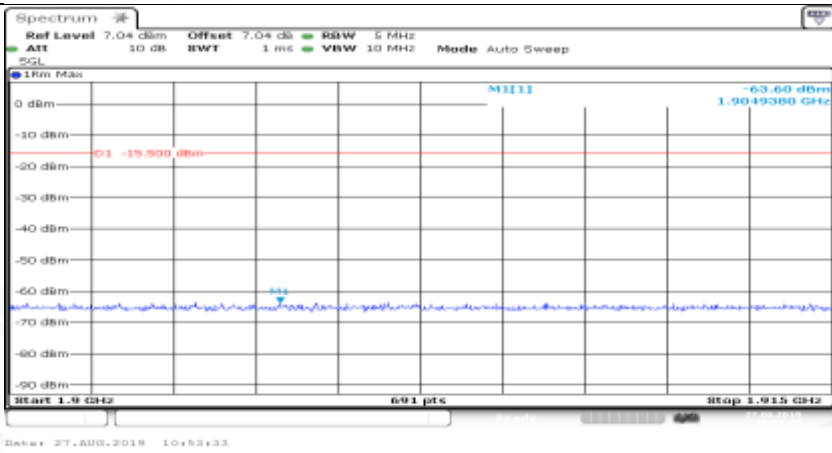
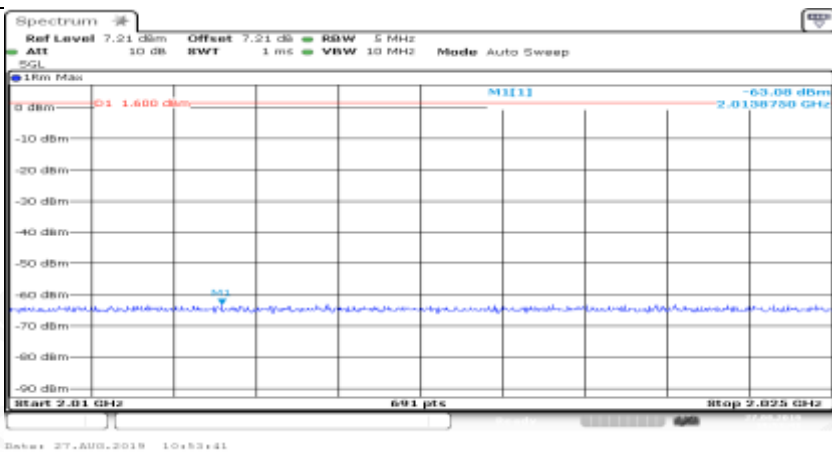
Co-existence	
Additional	NA

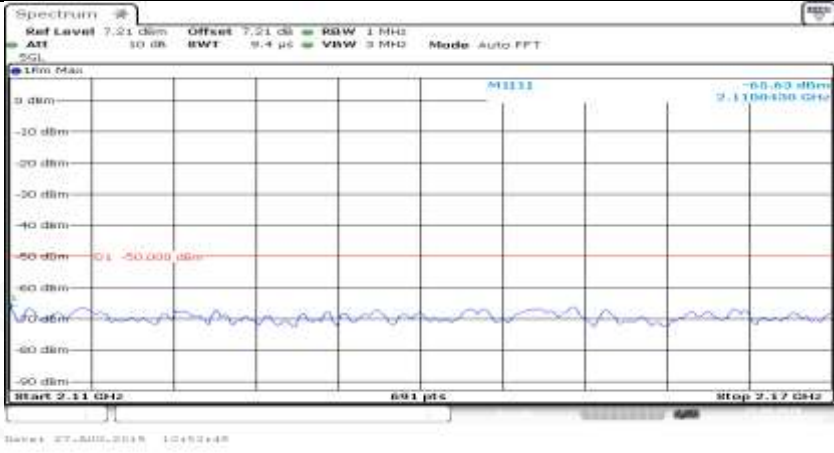

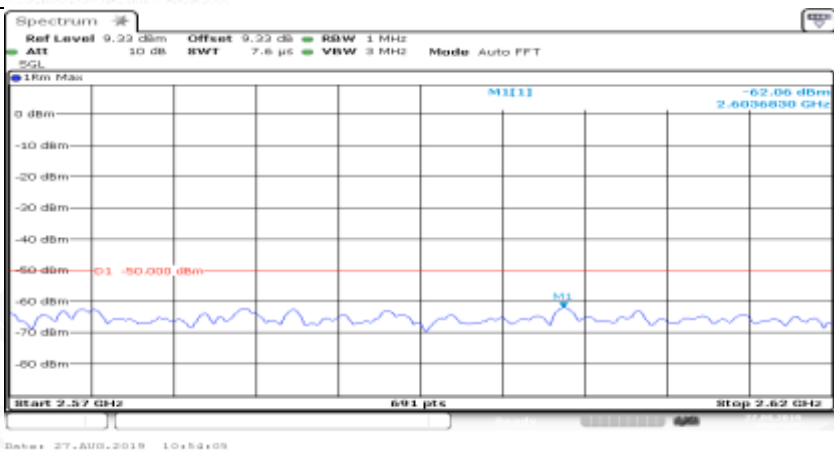
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
General	
General	

General	
General	
General	

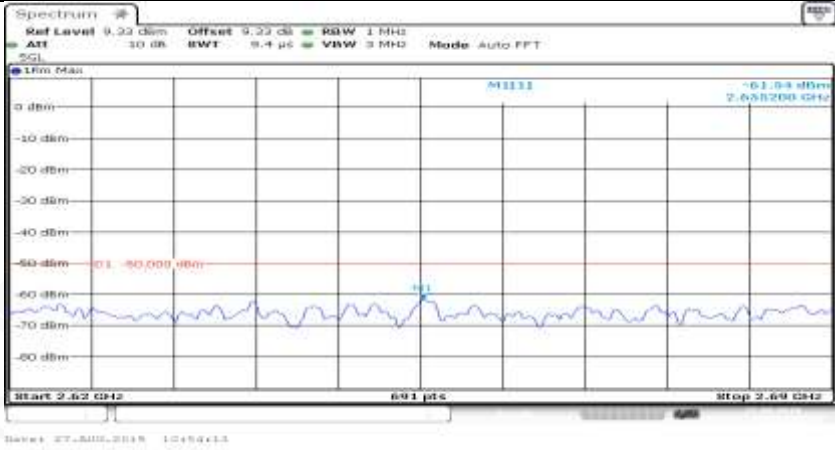
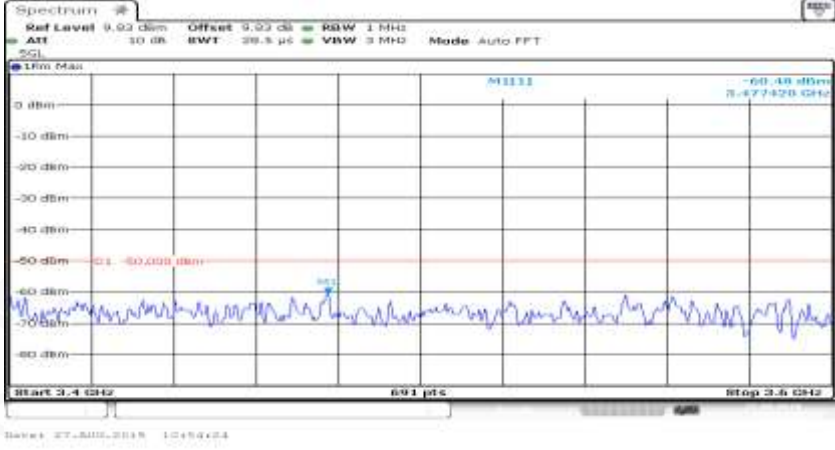
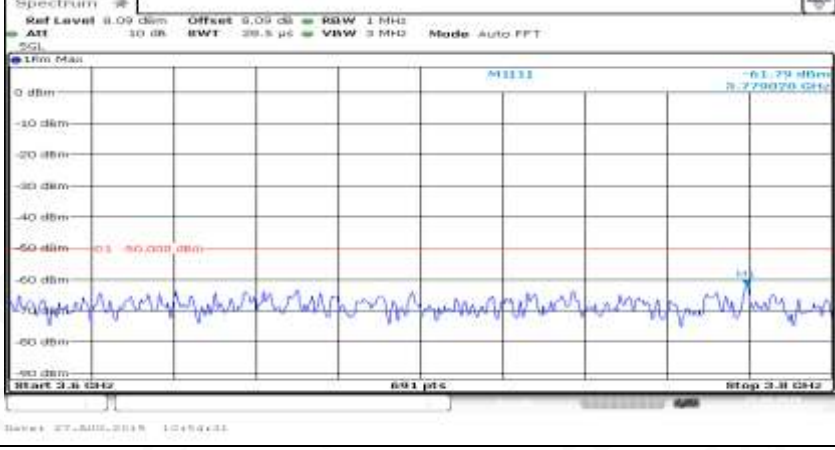




Co-existence	
Co-existence	
Co-existence	

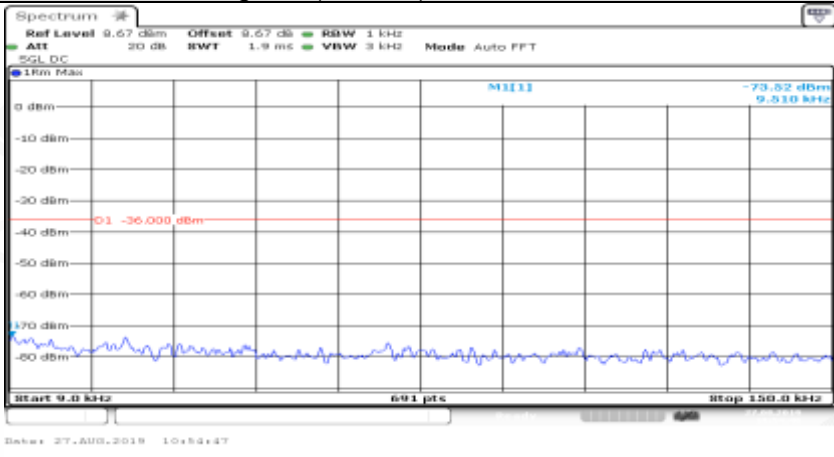
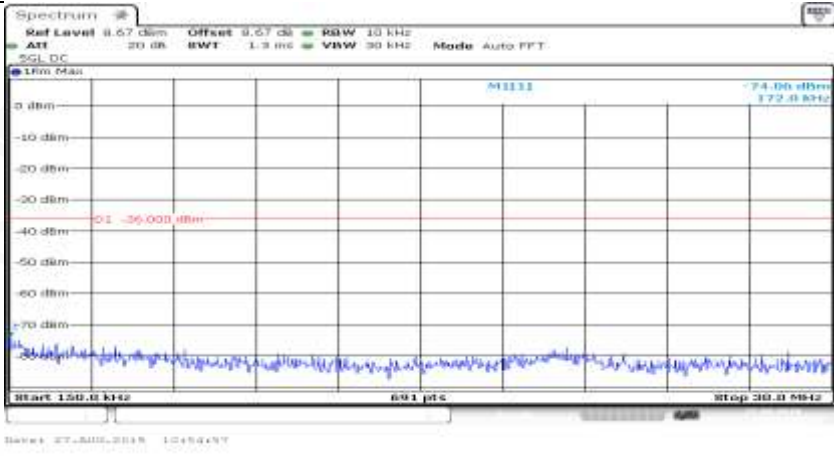
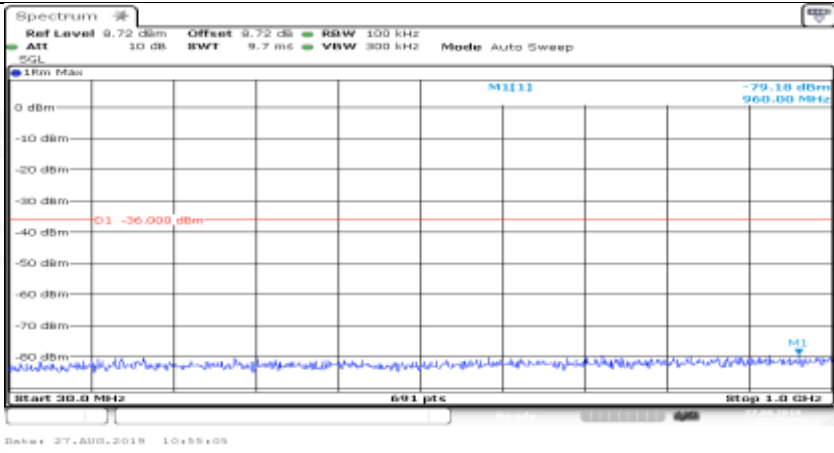
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0

General	
General	
General	



Attestation of Global Compliance

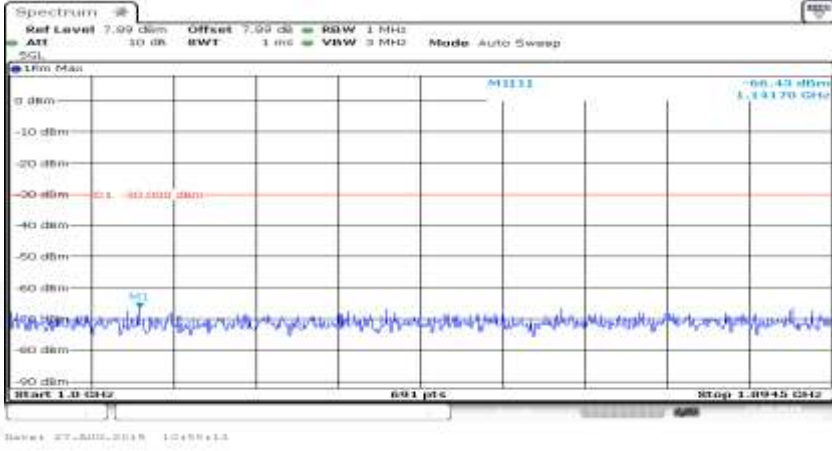
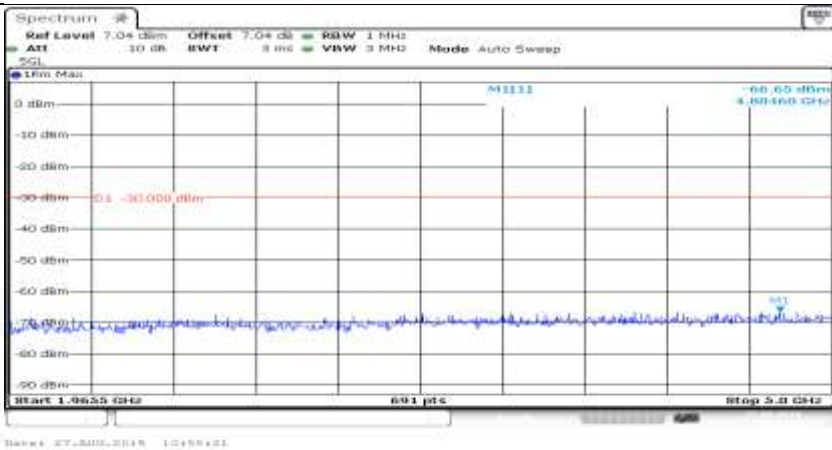
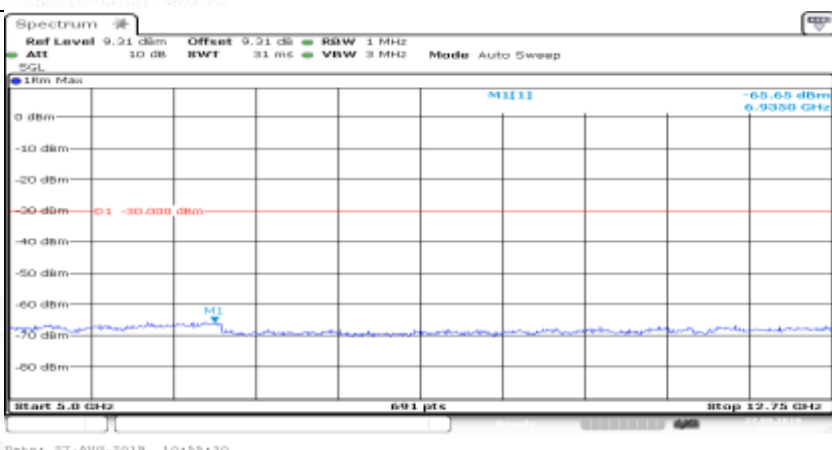
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

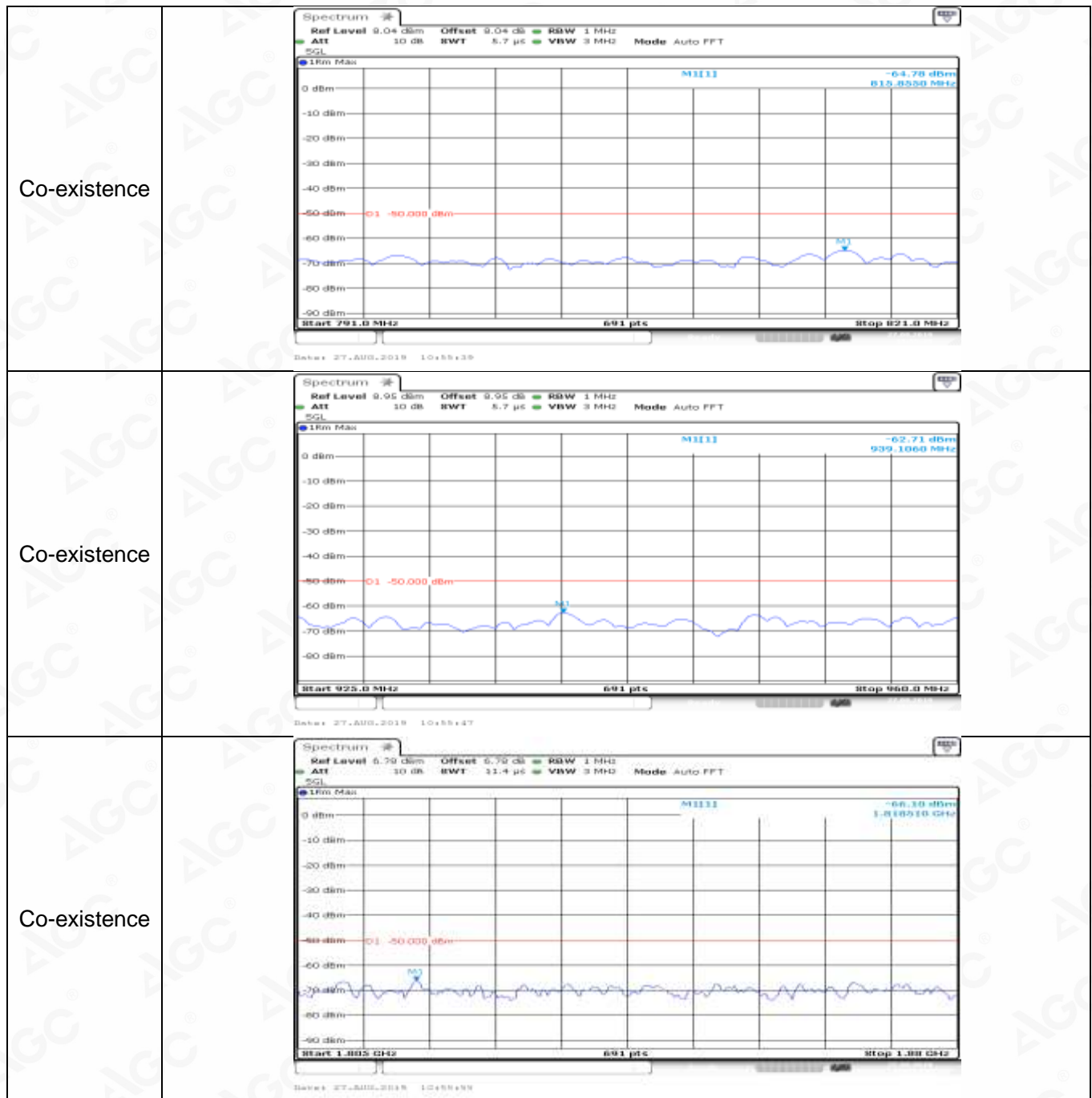
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

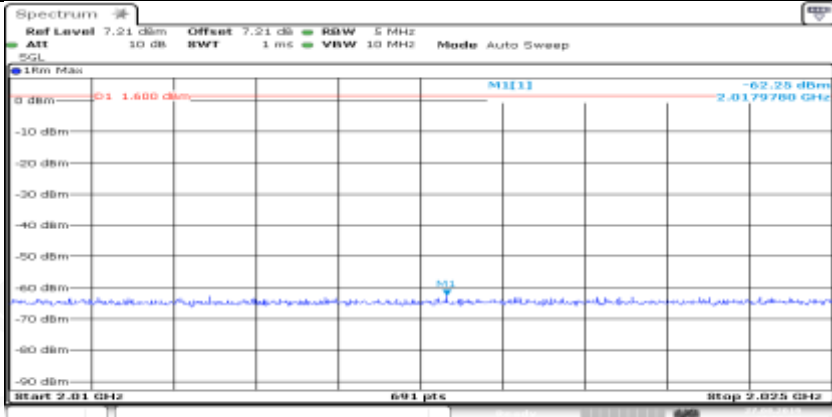

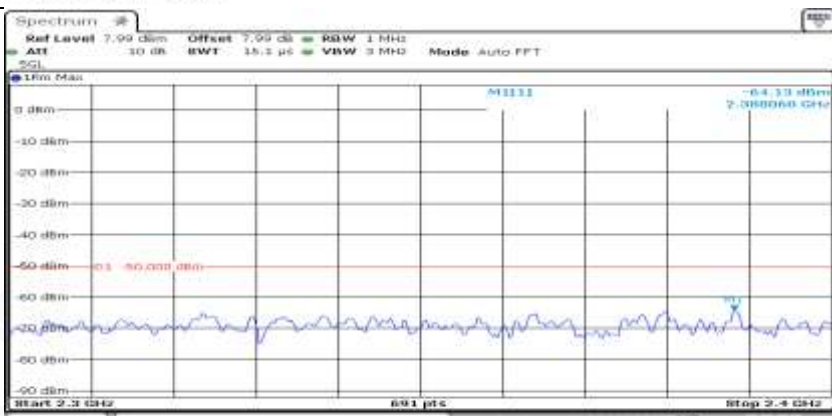
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

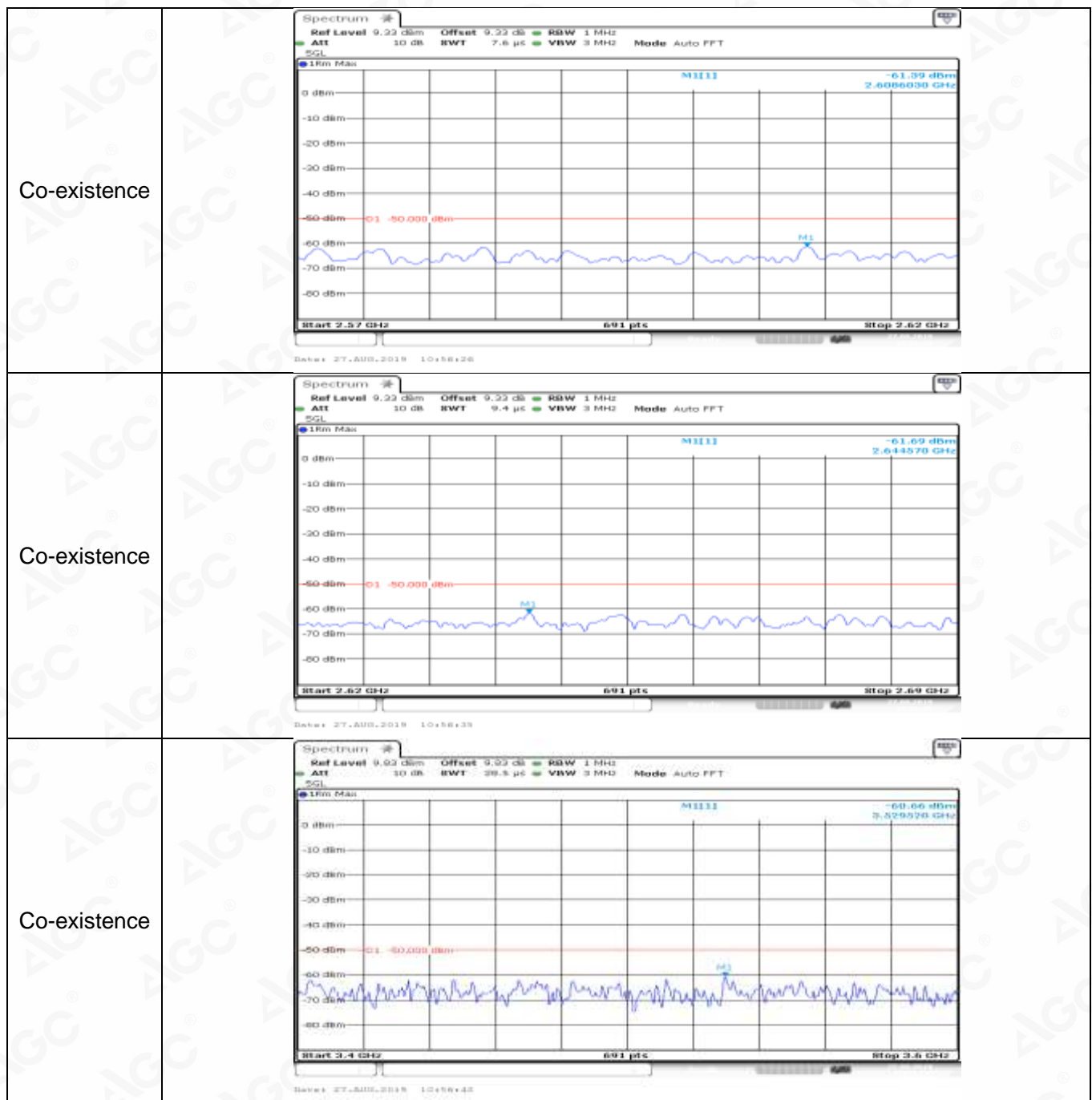
Service Hotline: 400 089 2118

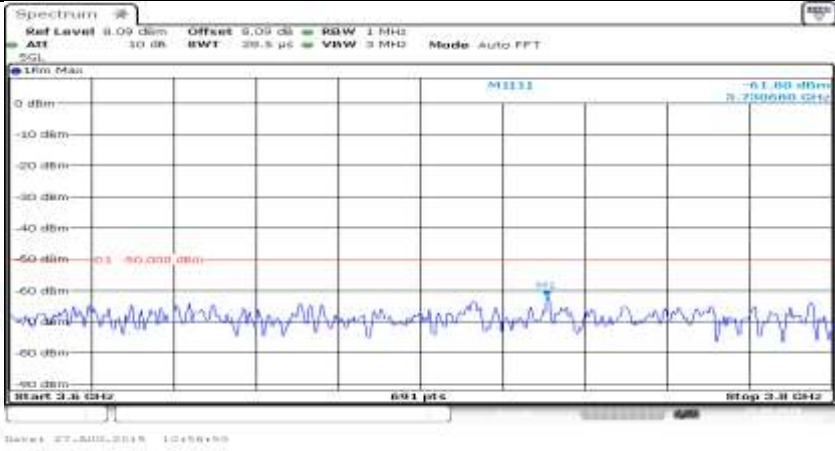
General	
General	
General	

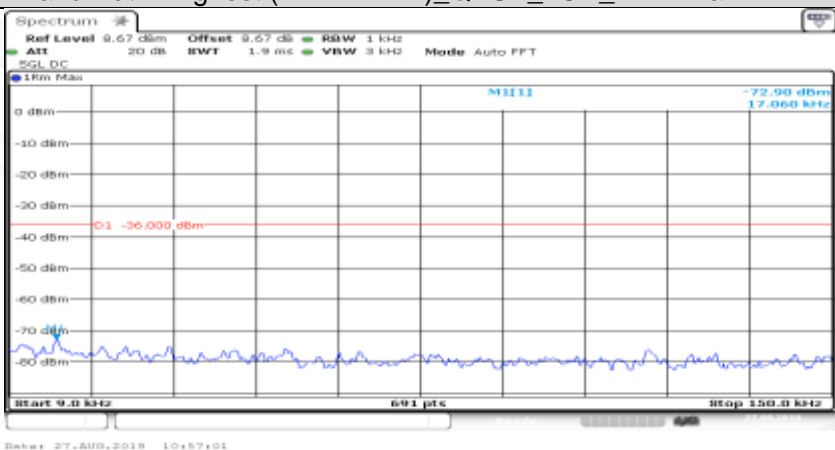
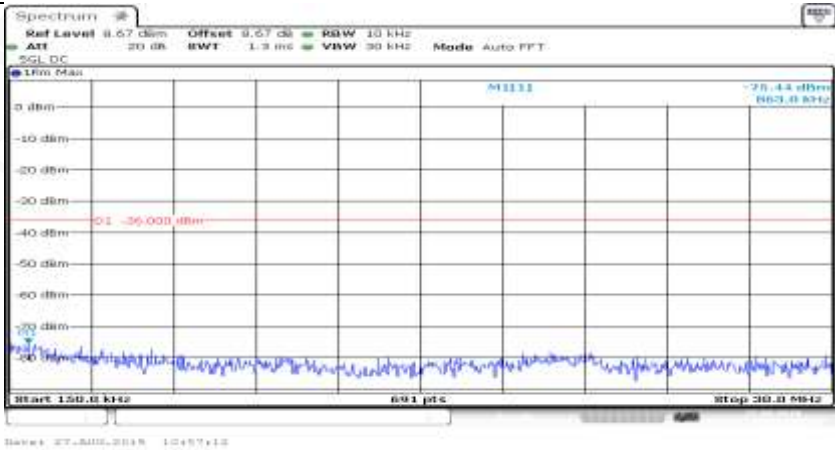


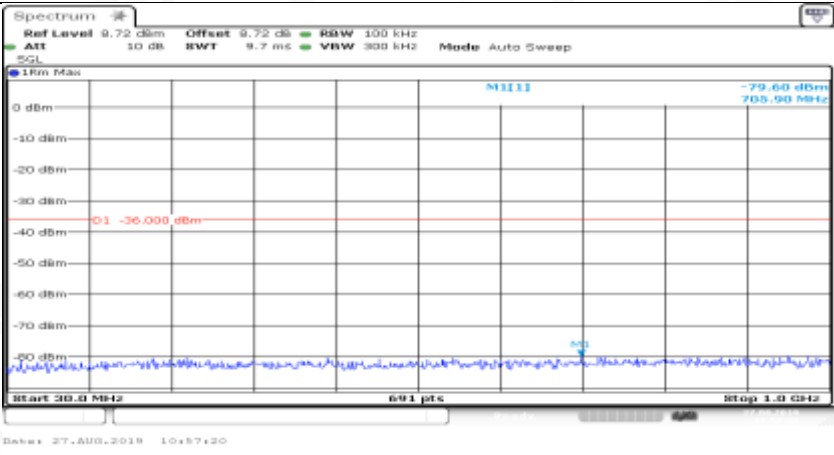
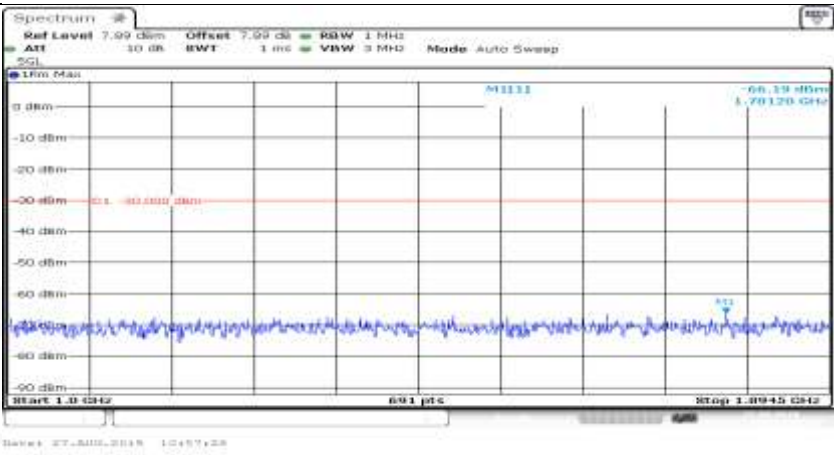
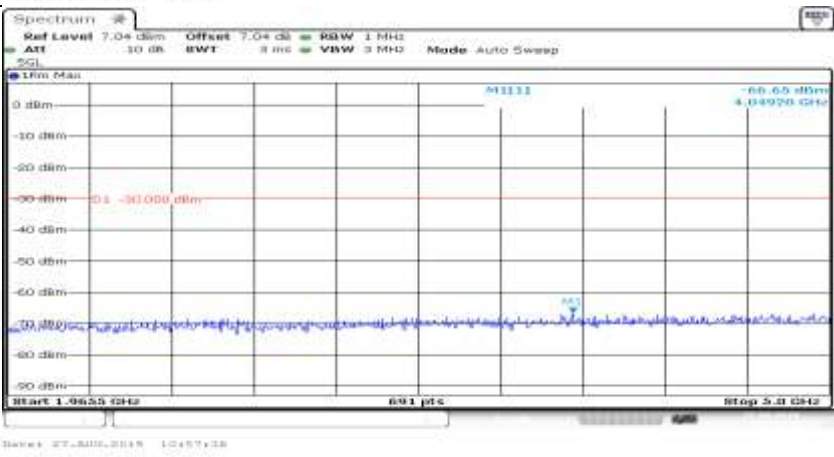
Co-existence	 <p>Spectrum plot showing a signal at 2.01 GHz. The power level is -62.25 dBm. The frequency range is from 2.01 GHz to 2.025 GHz. The power level is -62.25 dBm.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.11 GHz. The power level is -60.24 dBm. The frequency range is from 2.11 GHz to 2.12 GHz. The power level is -60.24 dBm.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.3 GHz. The power level is -64.33 dBm. The frequency range is from 2.3 GHz to 2.4 GHz. The power level is -64.33 dBm.</p>



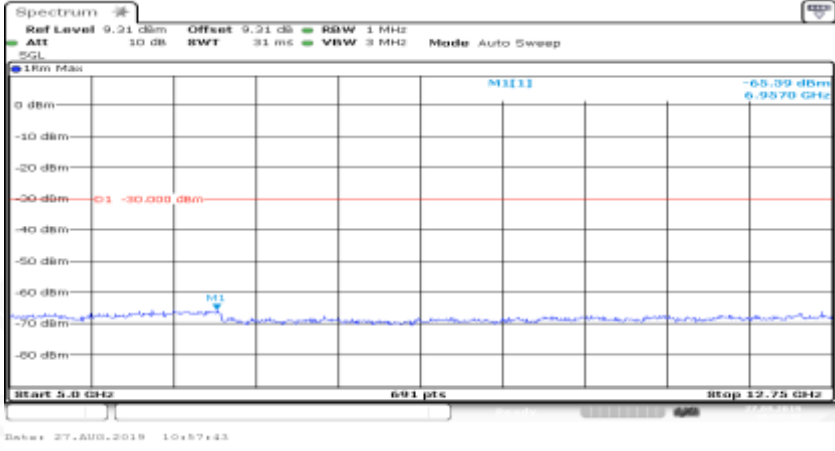
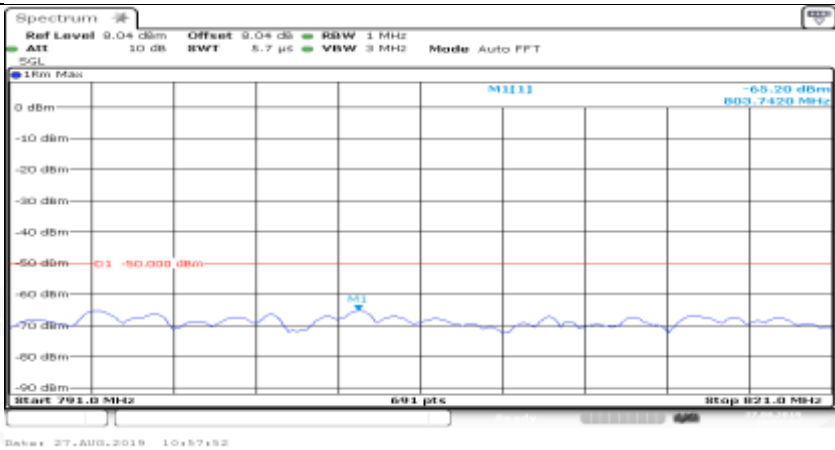
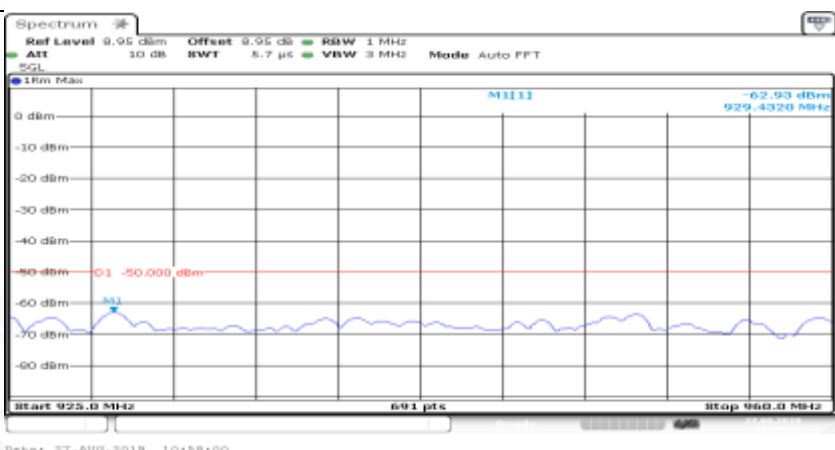



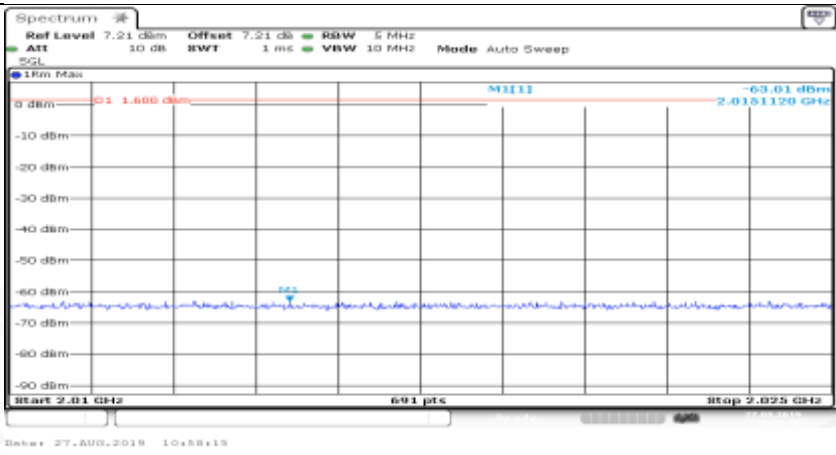

Co-existence	
Additional	NA

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


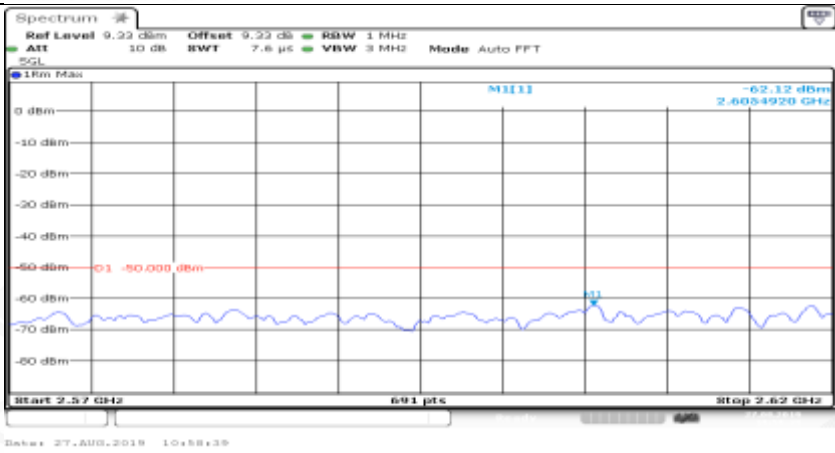
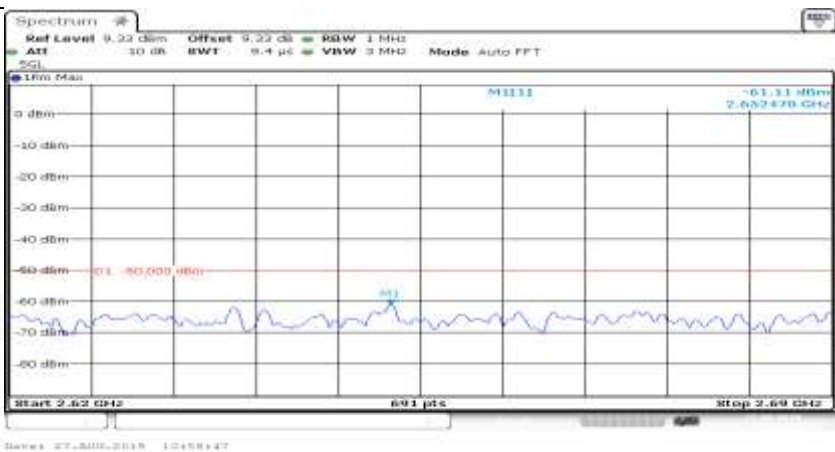
General	
General	
General	


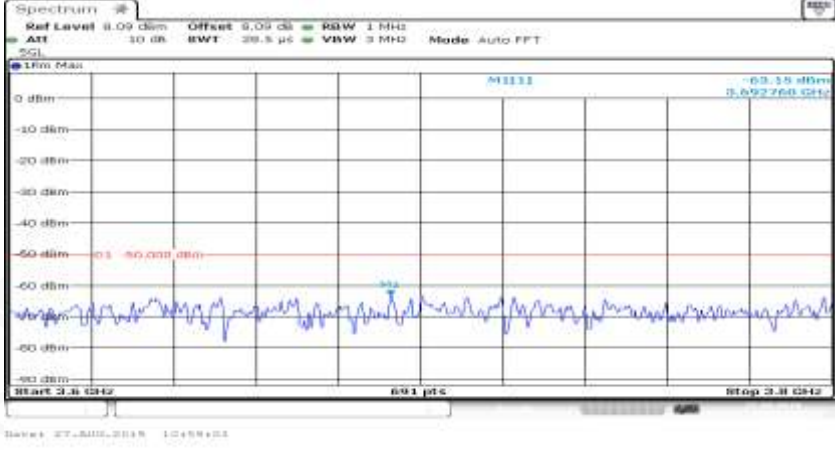


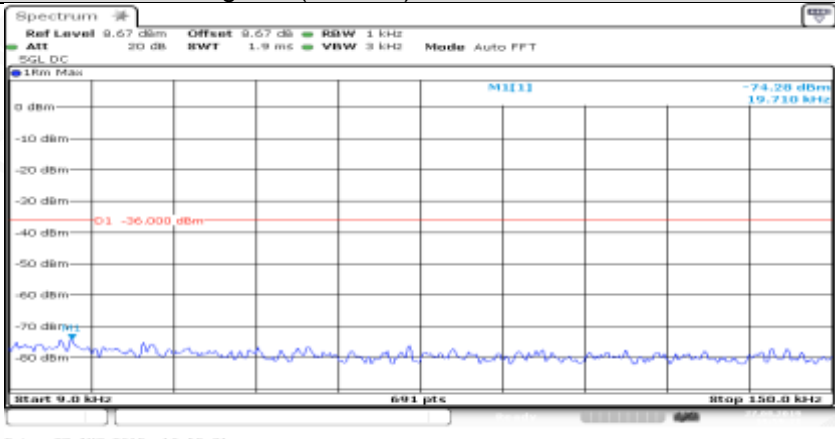
General	
Co-existence	
Co-existence	

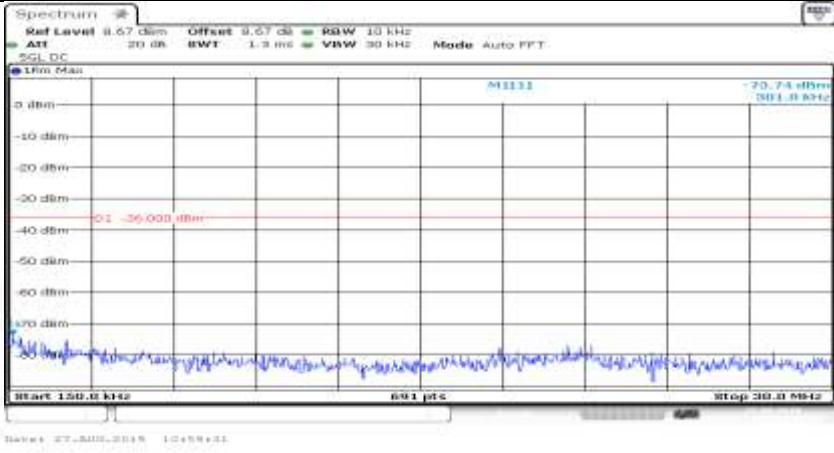
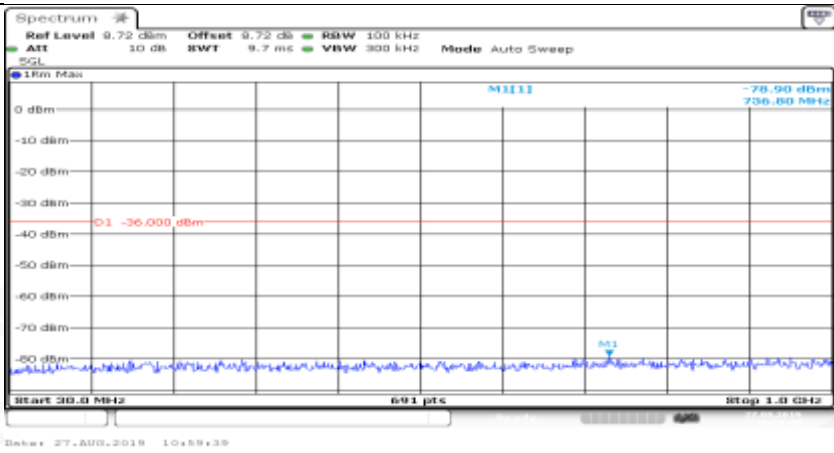
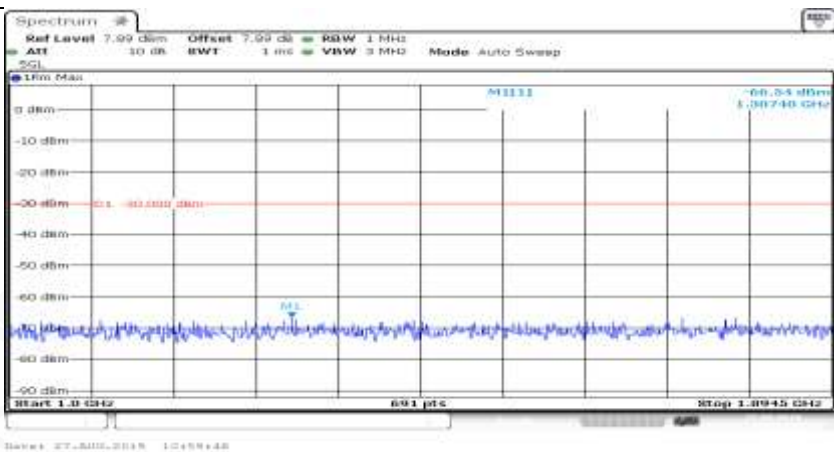
Co-existence	
Co-existence	
Co-existence	



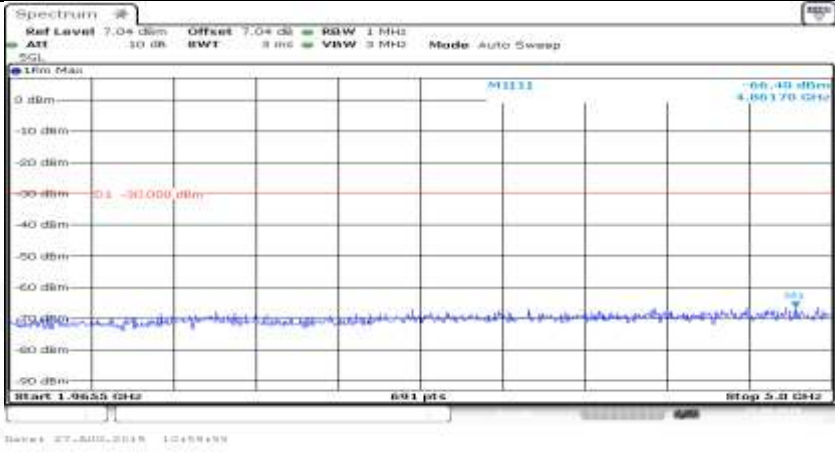

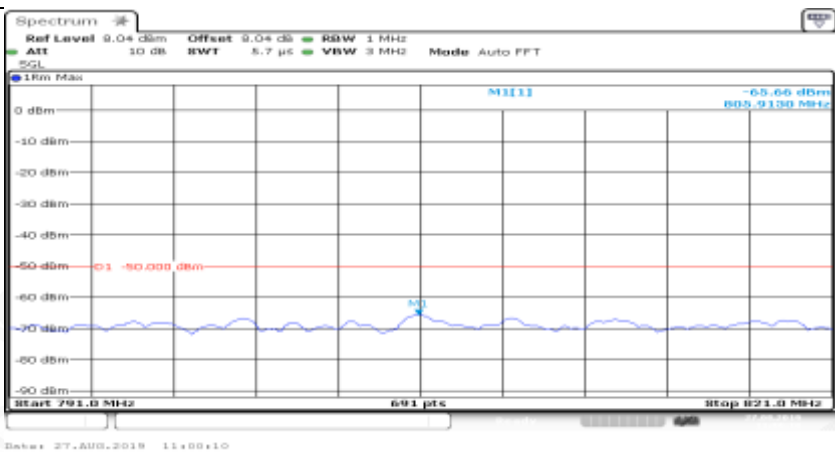
Co-existence	
Co-existence	
Co-existence	

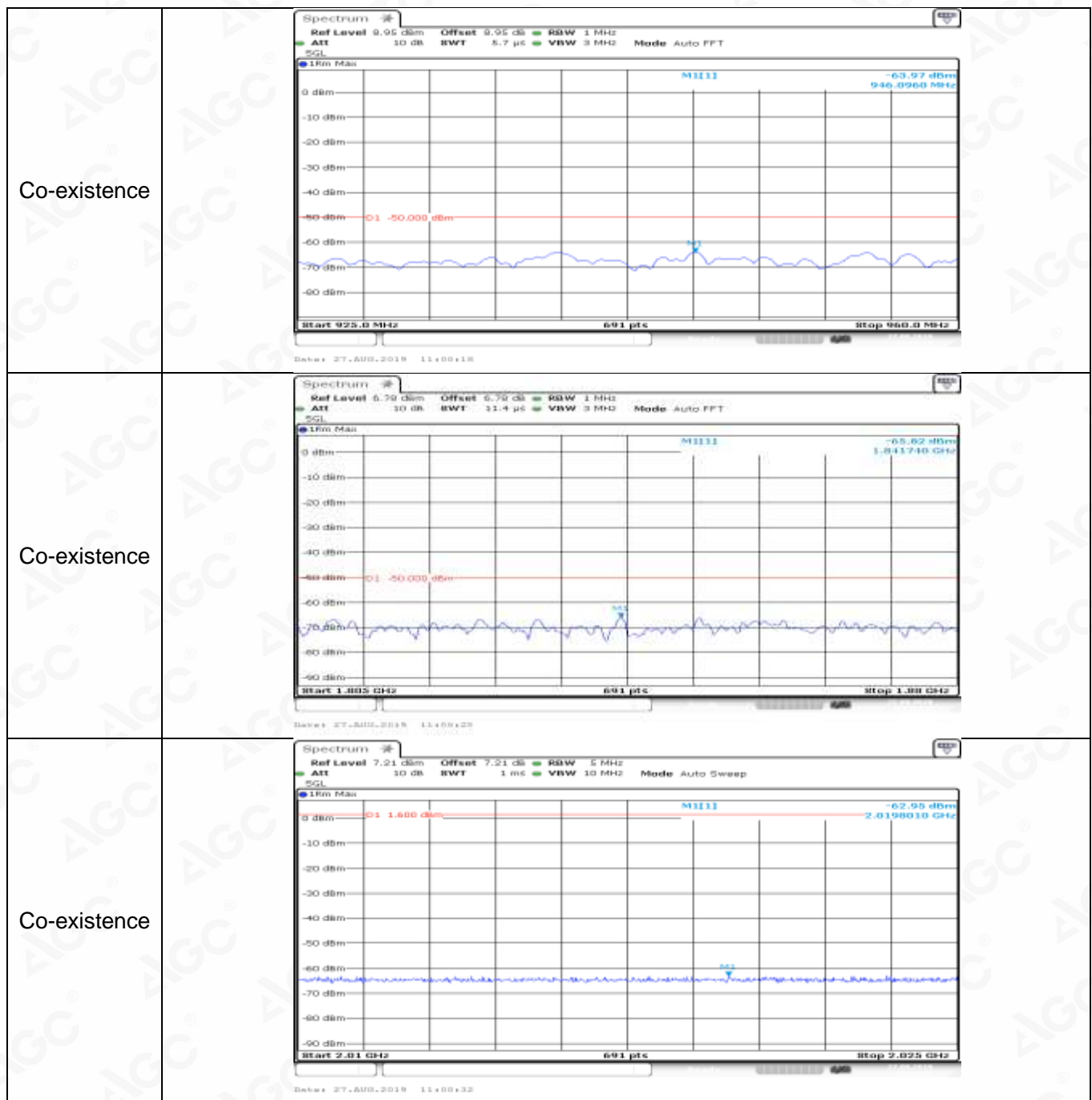
Co-existence	
Co-existence	
Additional	NA


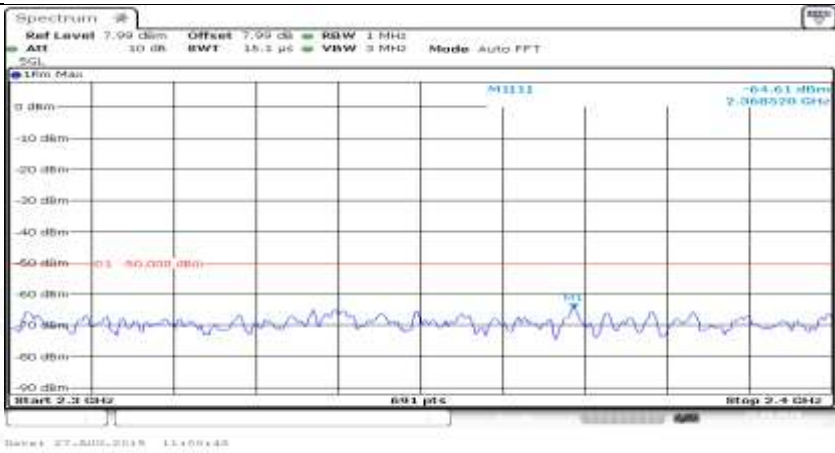
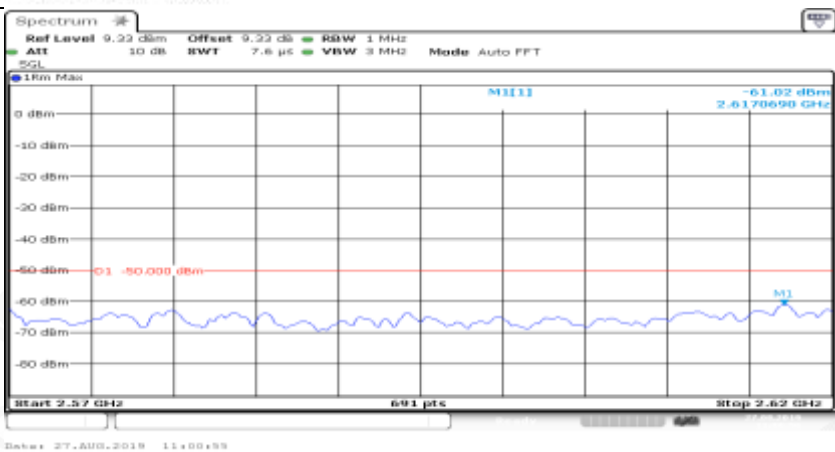
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	

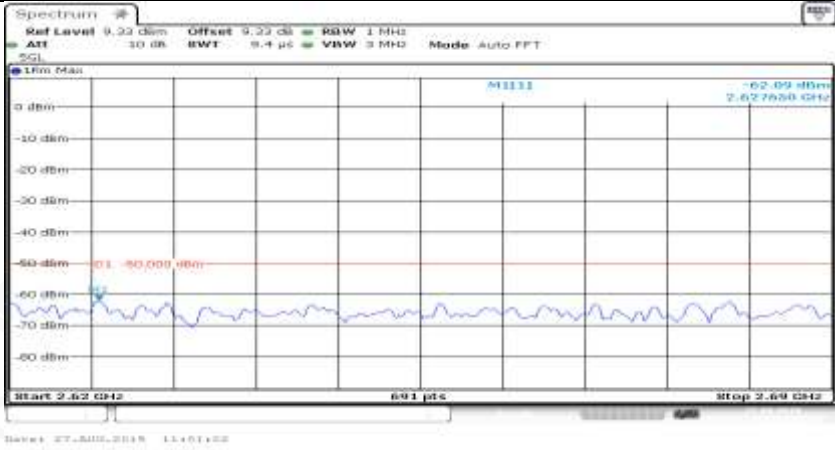
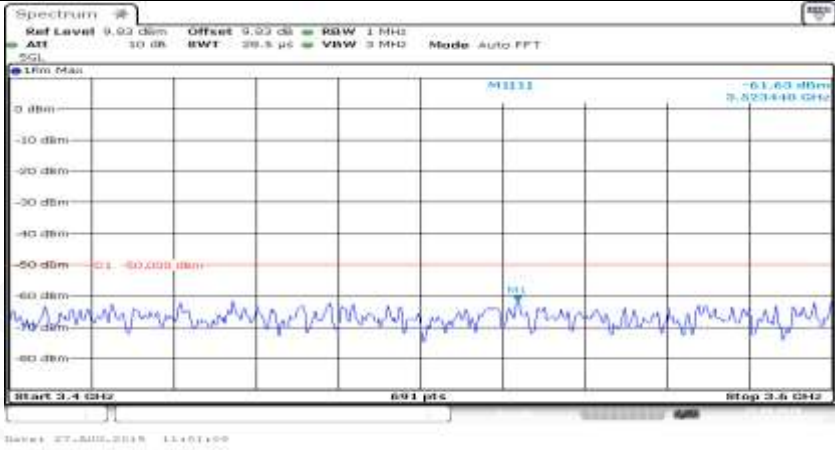
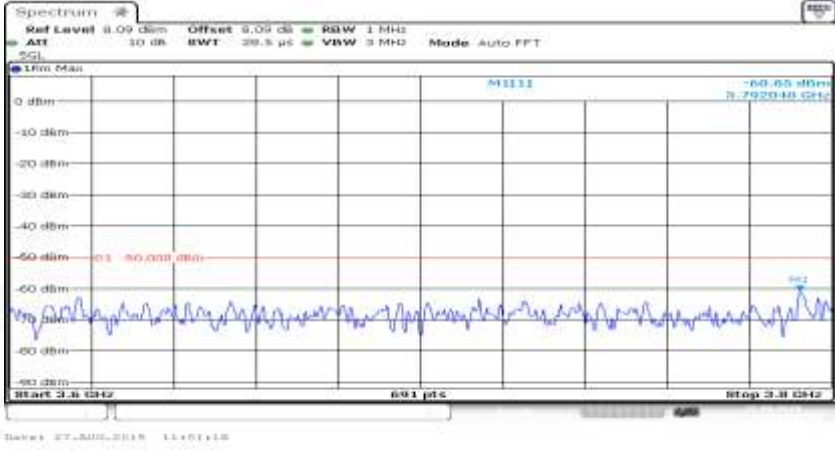
General	
General	
General	



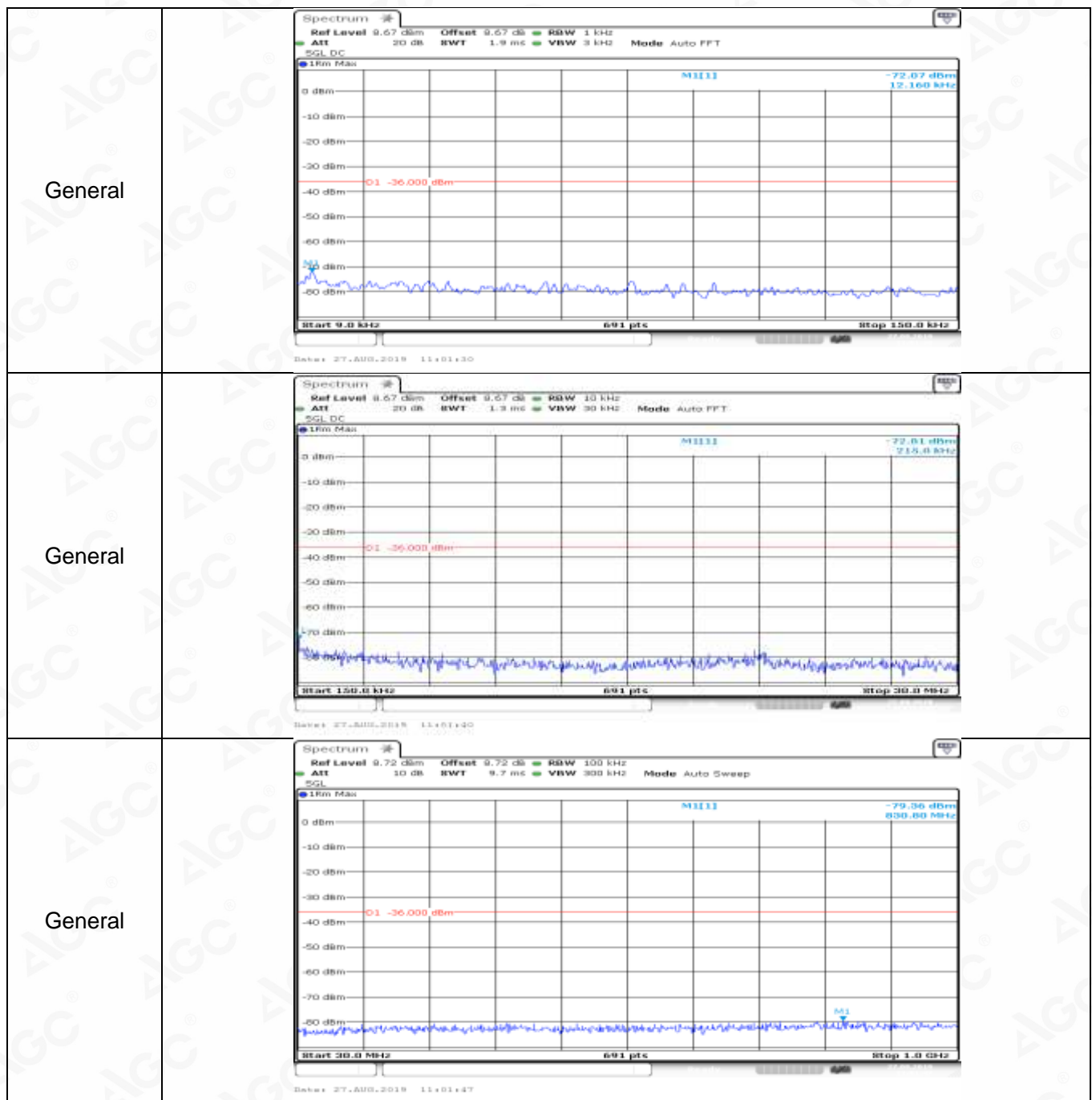
General	
General	
Co-existence	

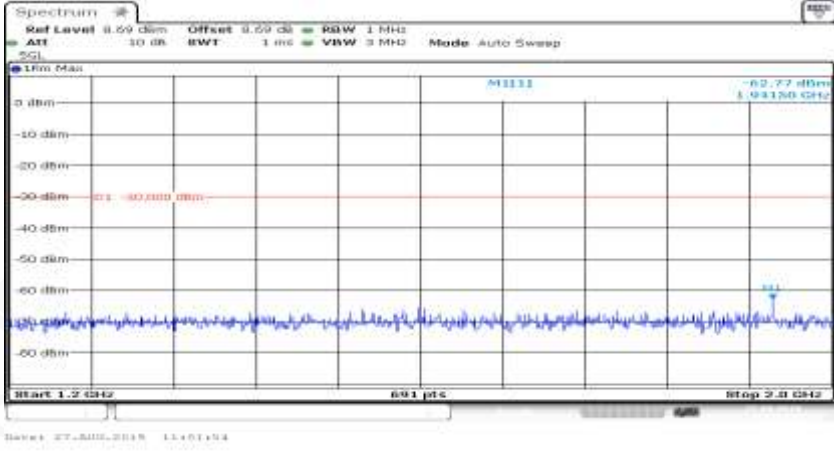
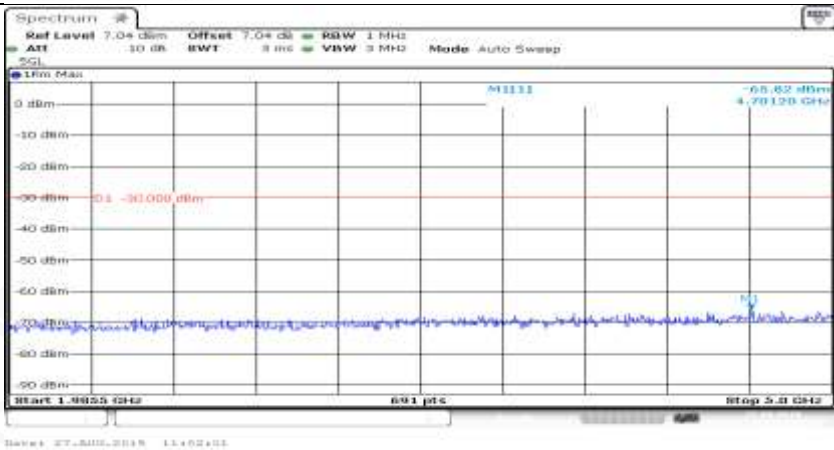
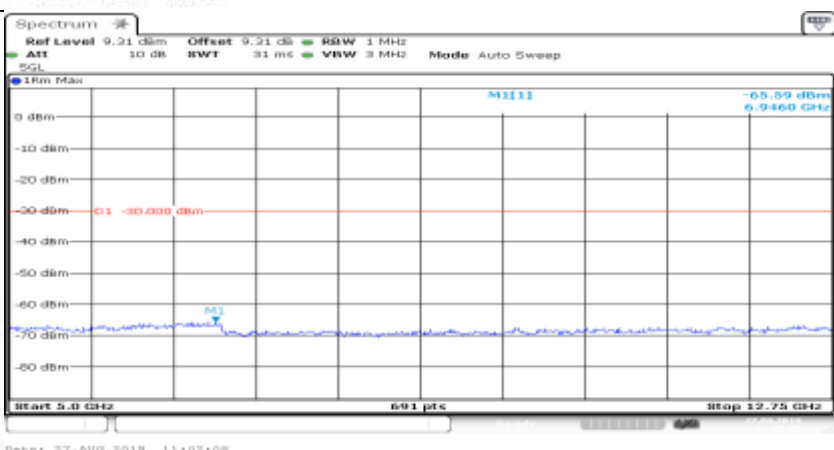


Co-existence	
Co-existence	
Co-existence	

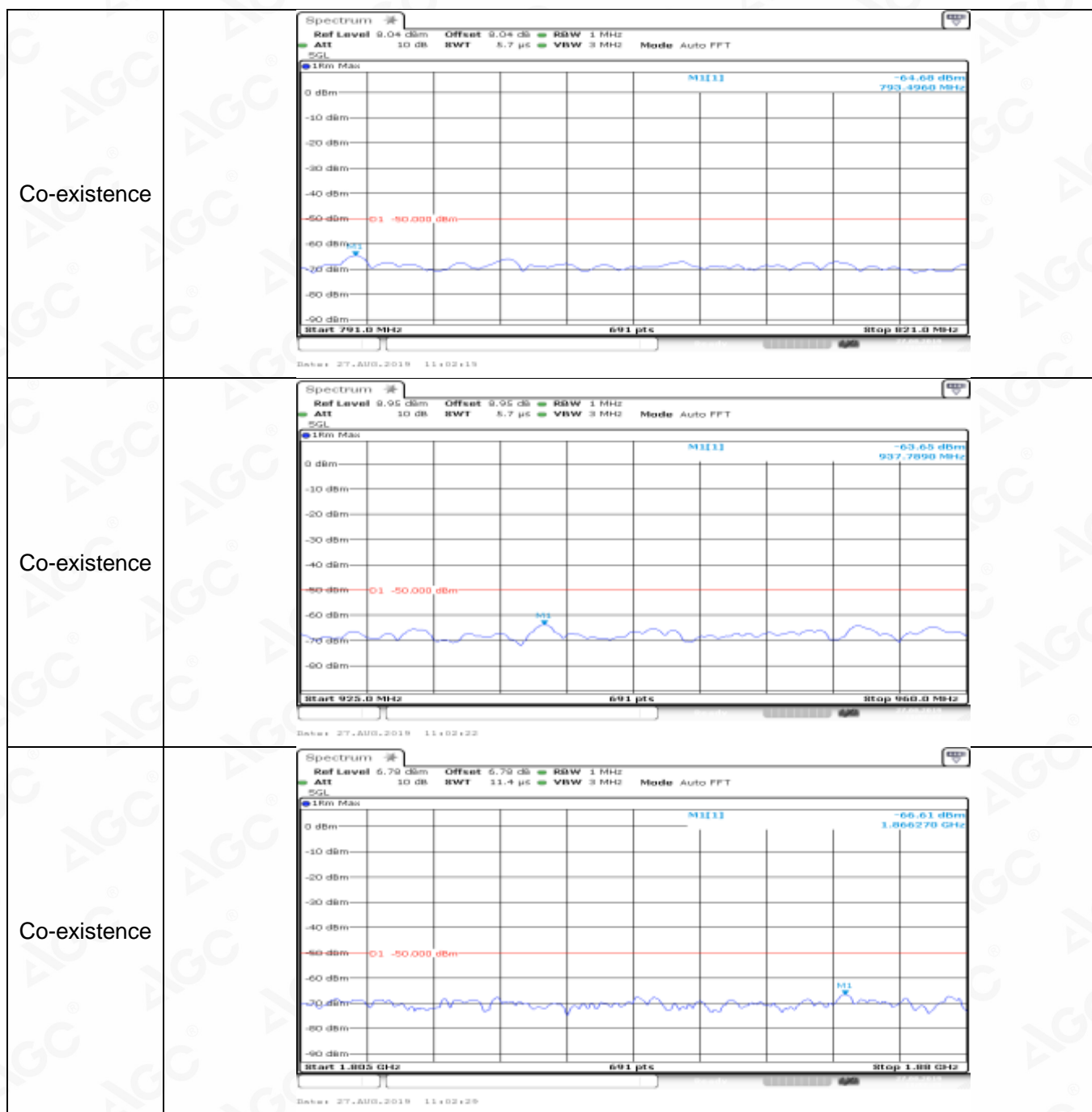
Co-existence	
Co-existence	
Co-existence	
Additional	NA

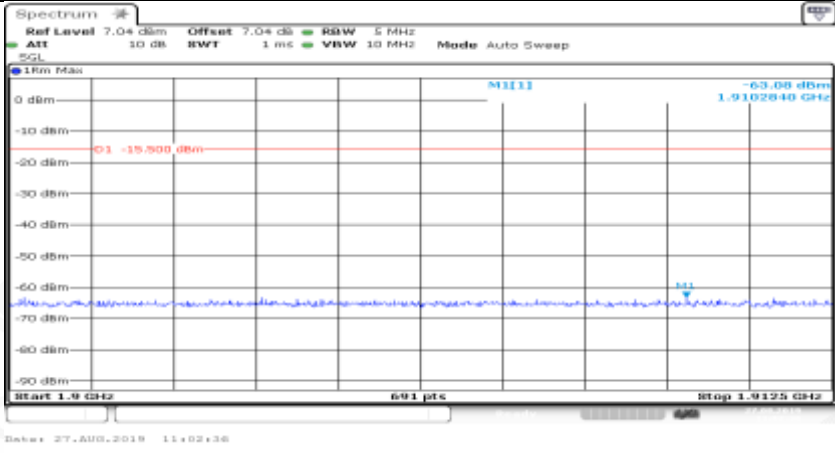
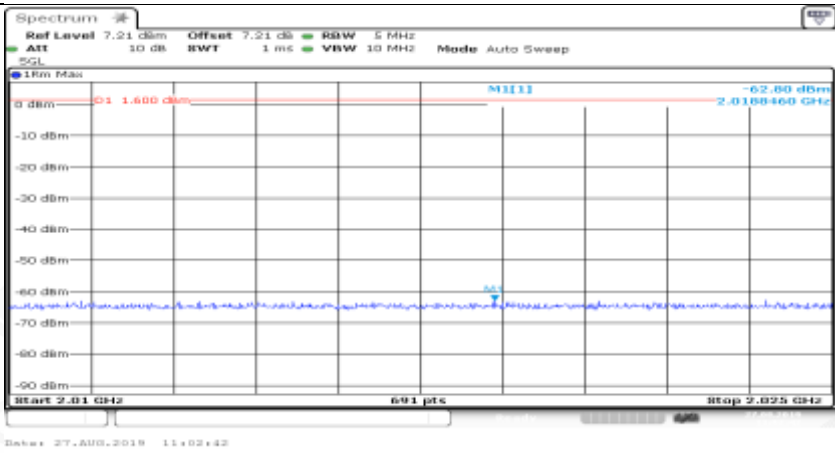
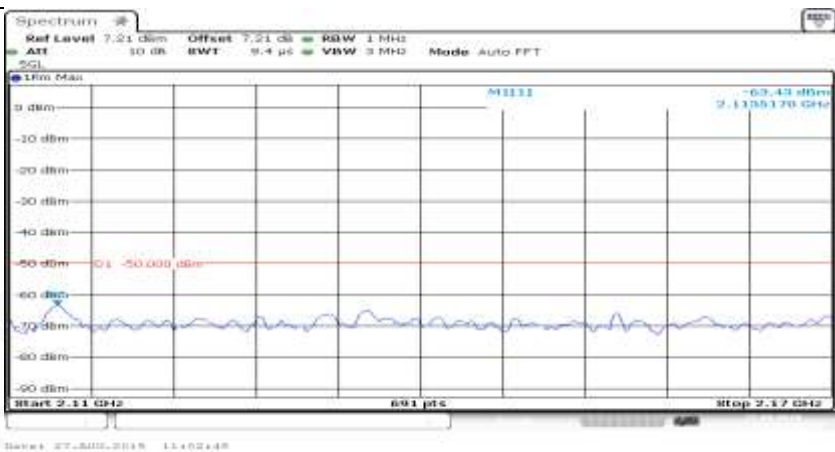
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

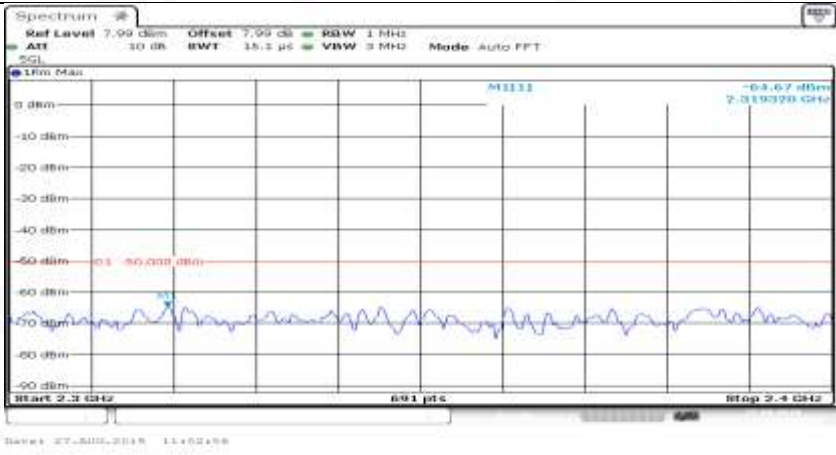
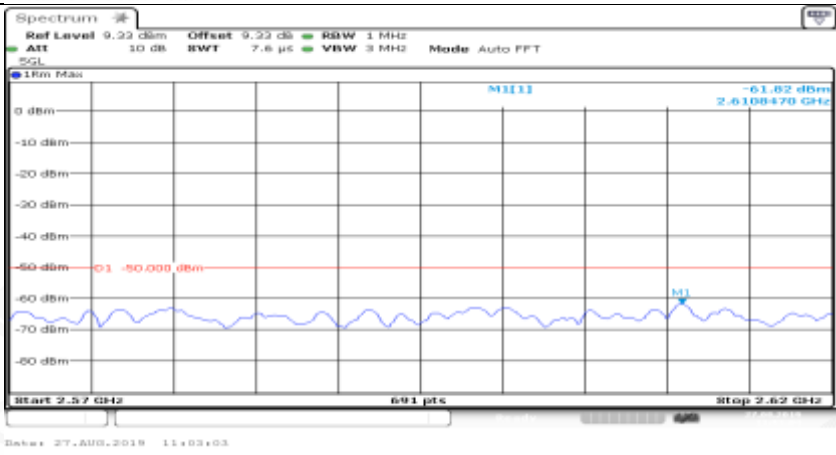
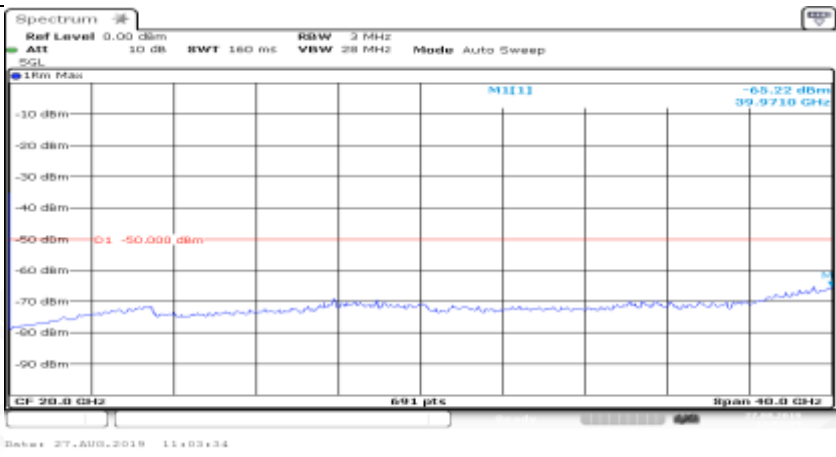


General	
General	
General	

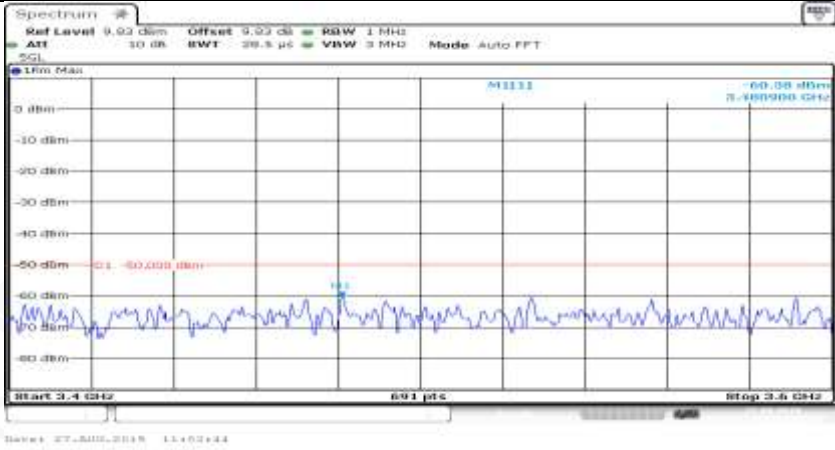
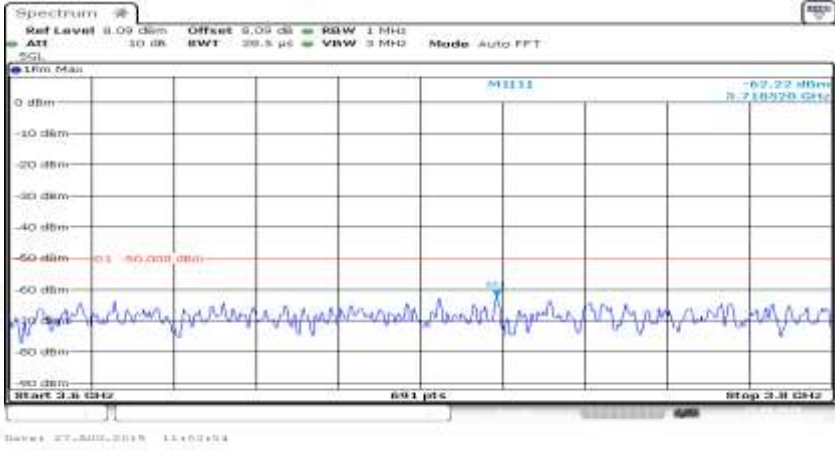


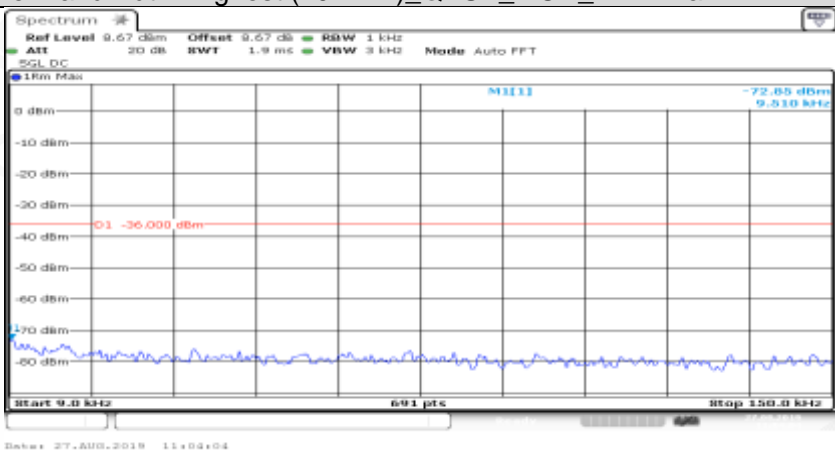


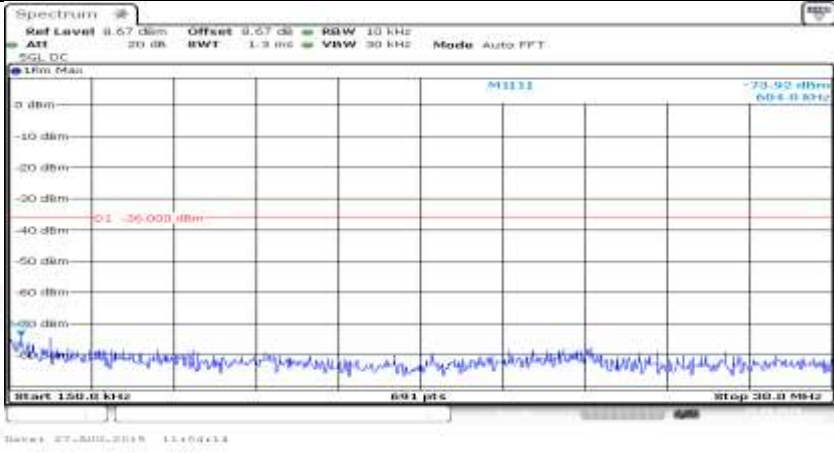
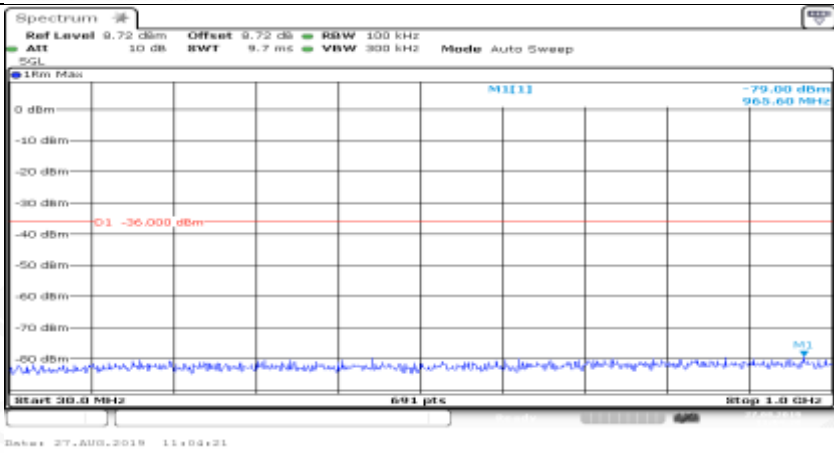
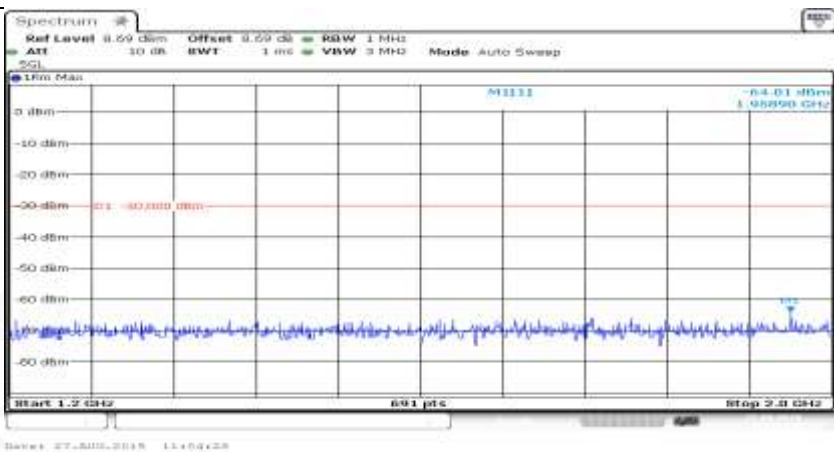
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

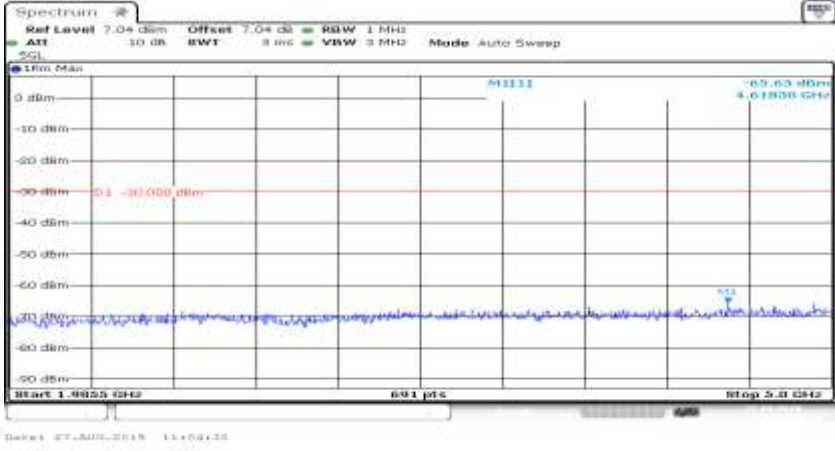
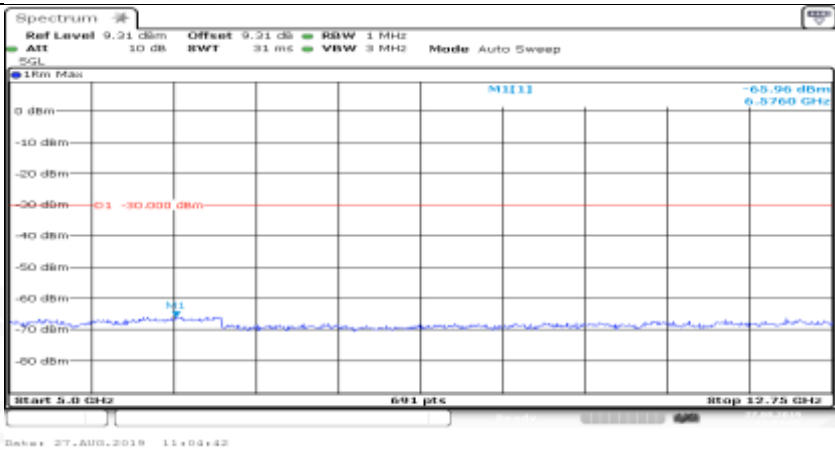
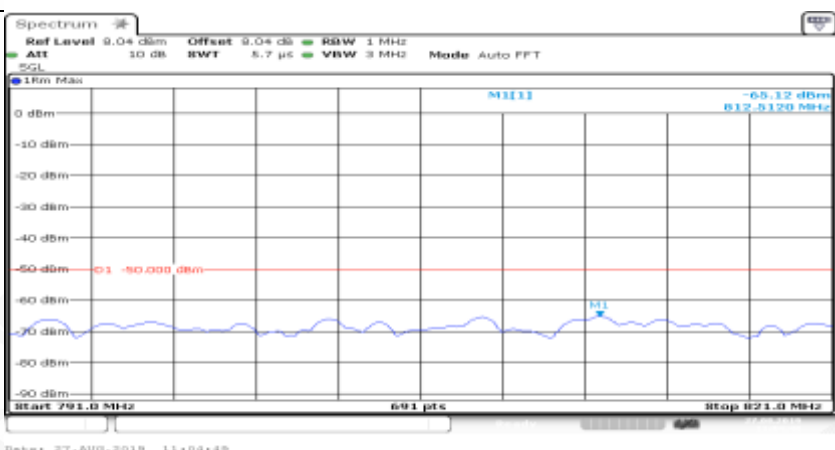


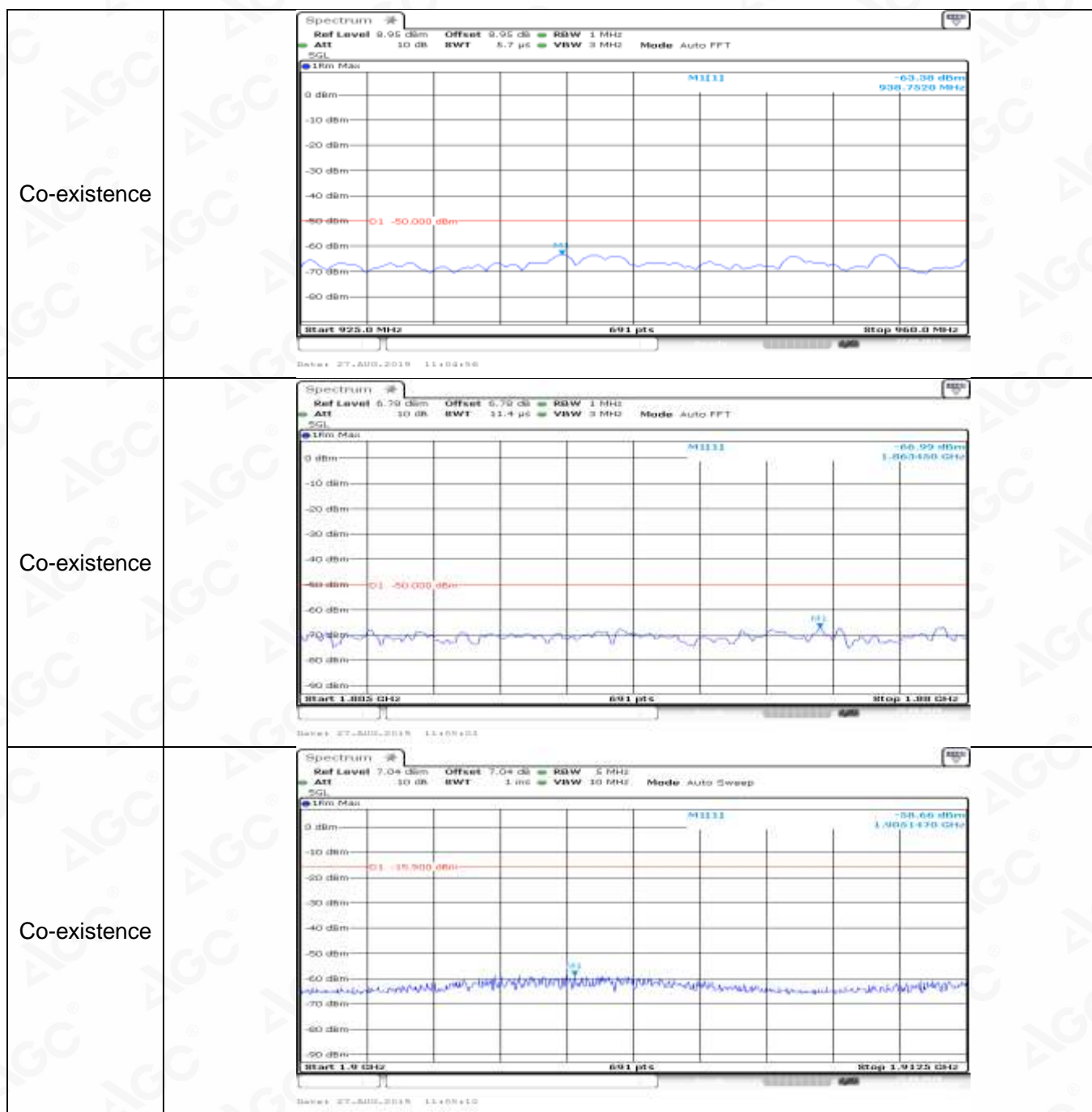
Co-existence	
Co-existence	
Additional	NA

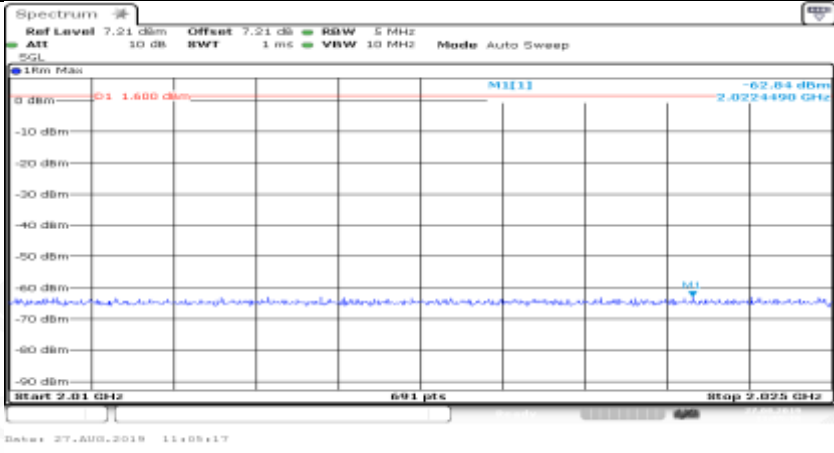

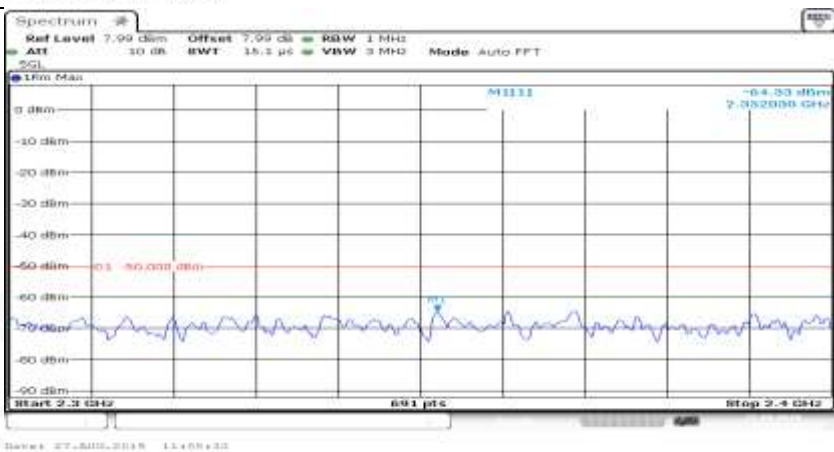
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	

General	
General	
General	

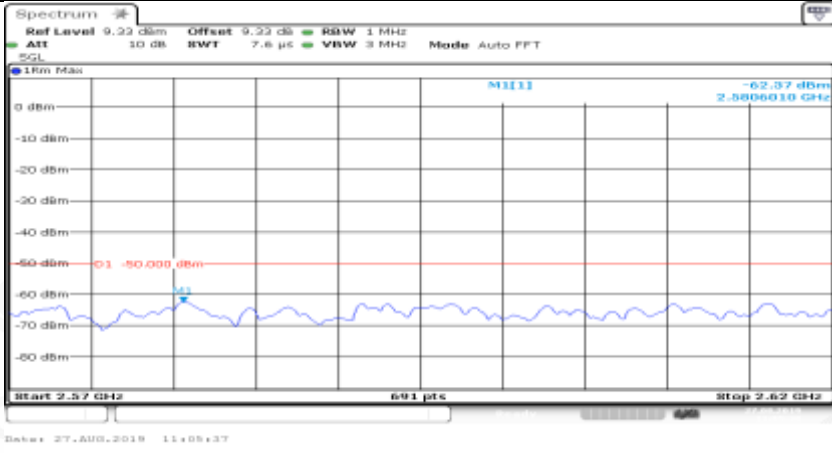

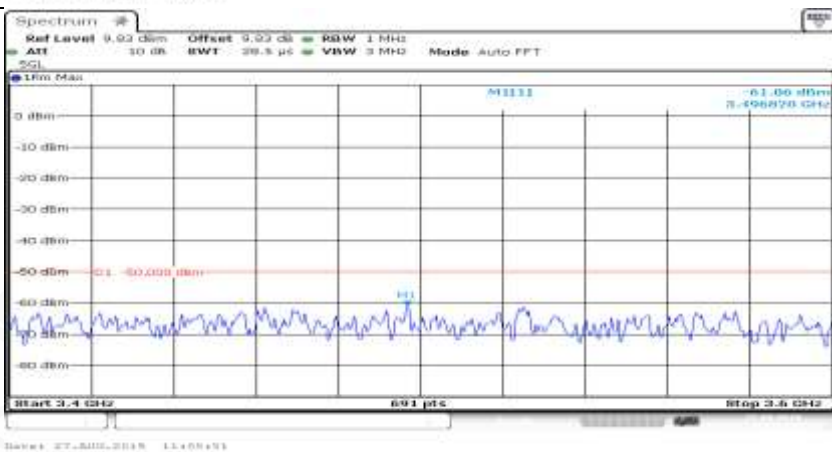


General	
General	
Co-existence	

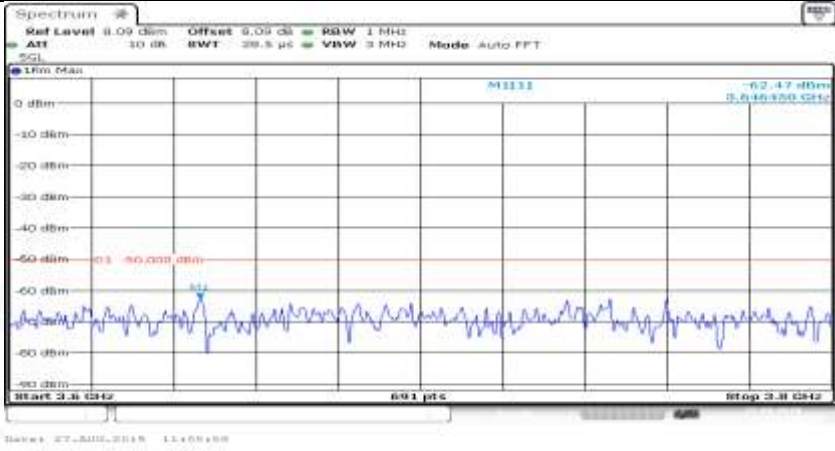


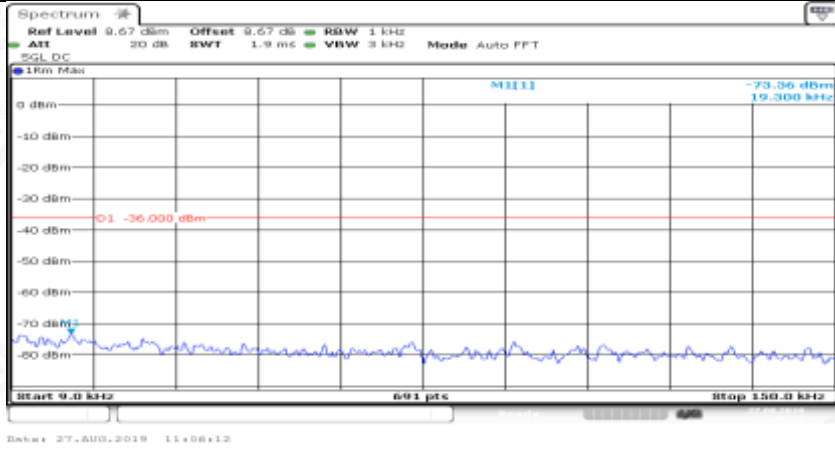
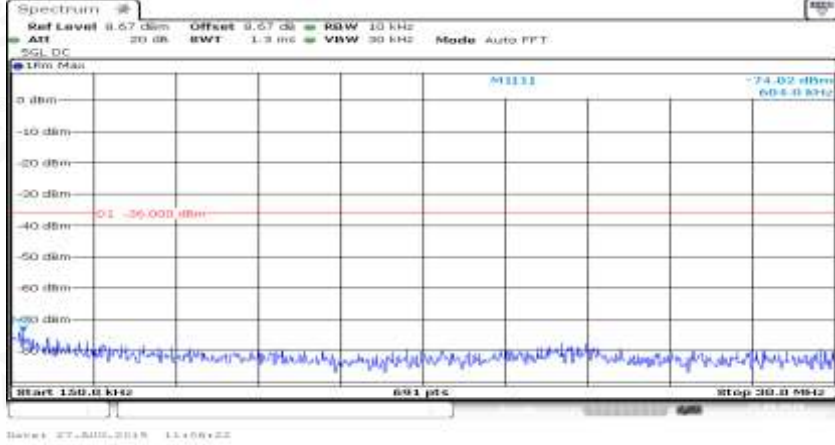
Co-existence	
Co-existence	
Co-existence	

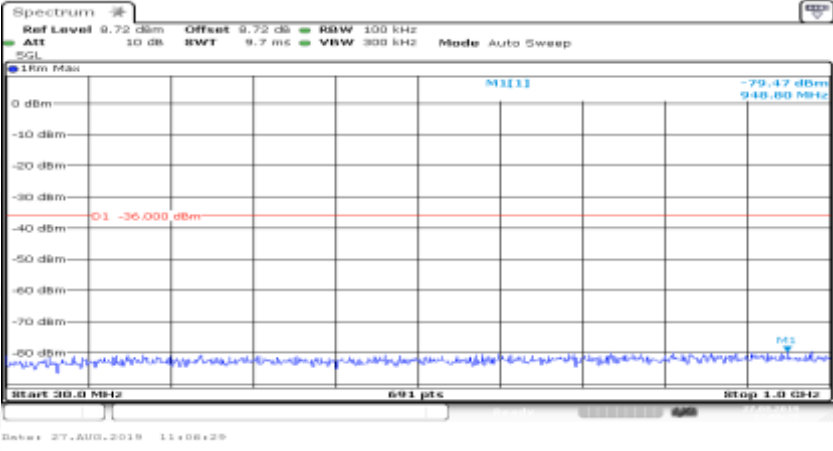
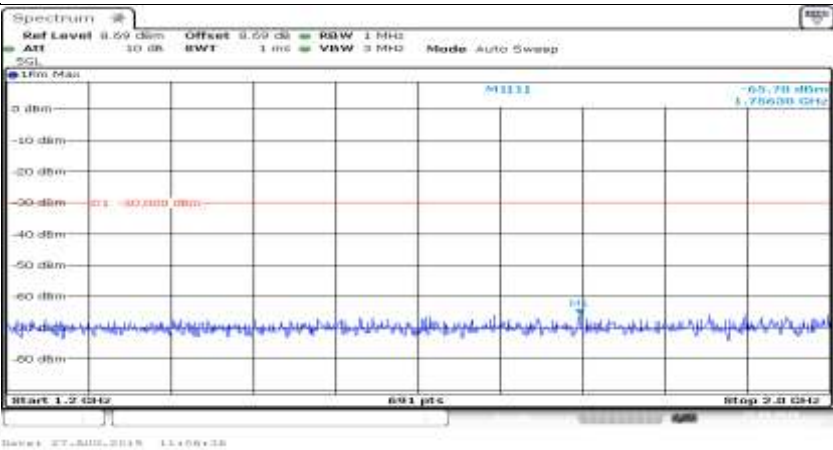
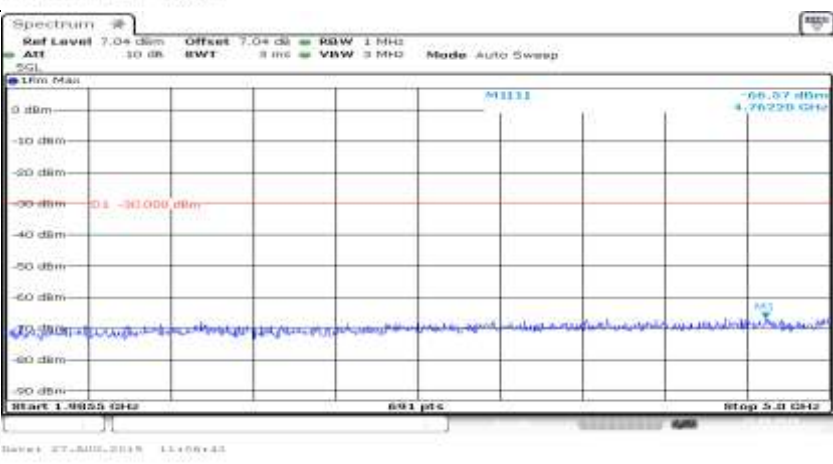


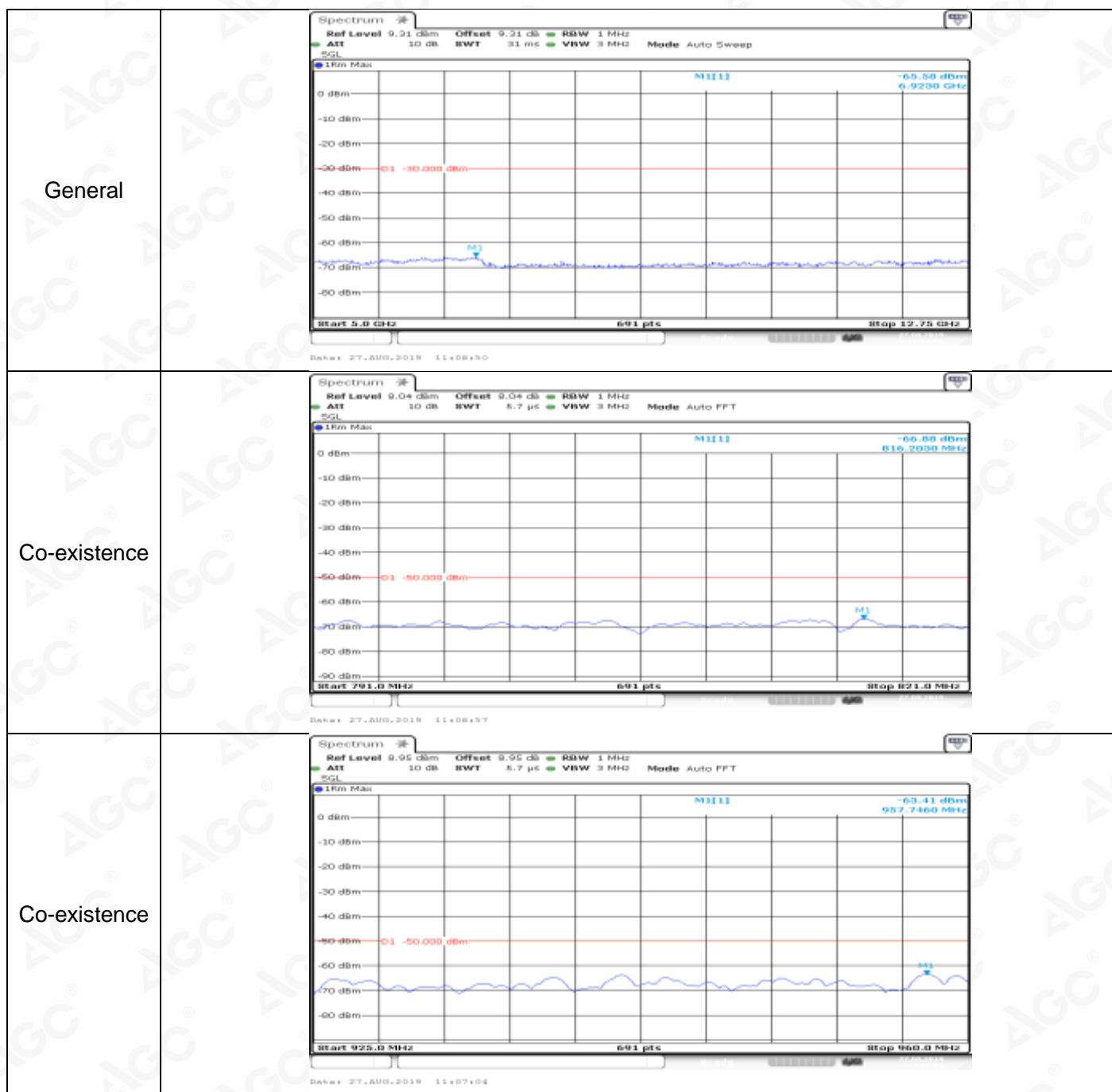
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Co-existence	
Co-existence	

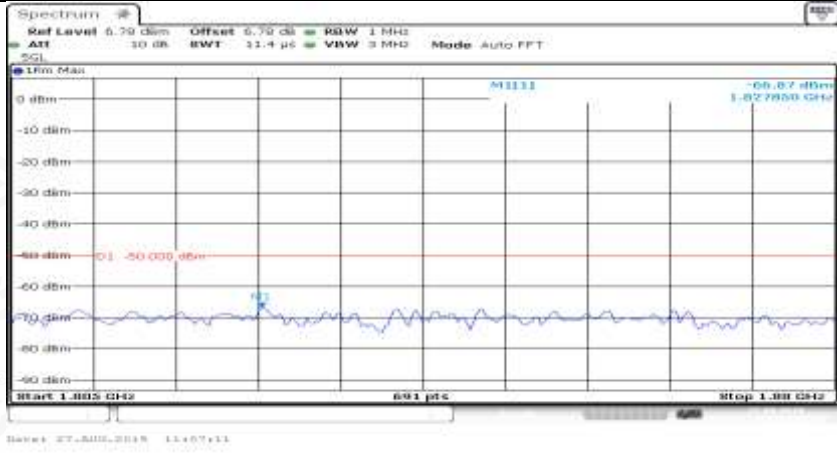
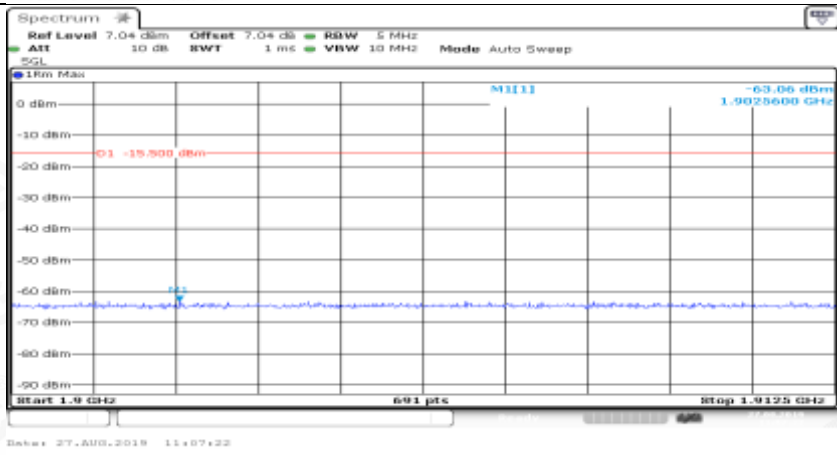
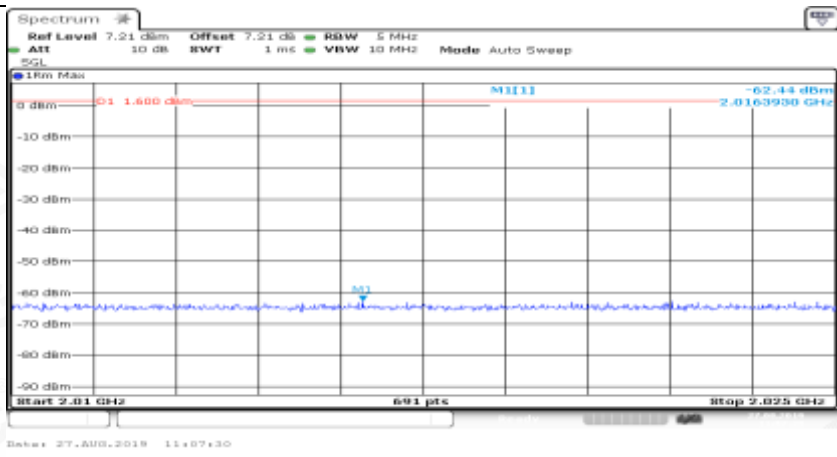


Co-existence	
Additional	NA

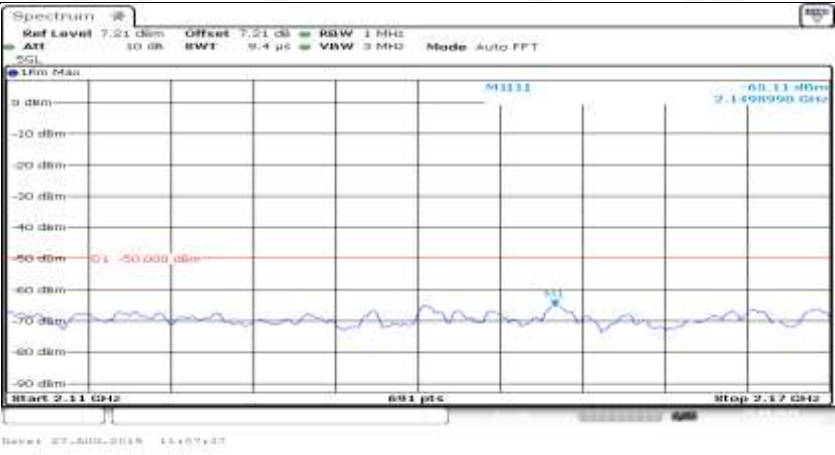
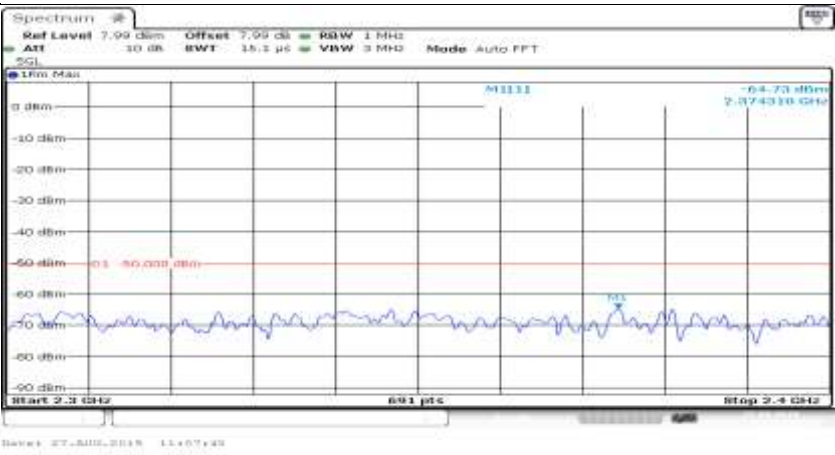
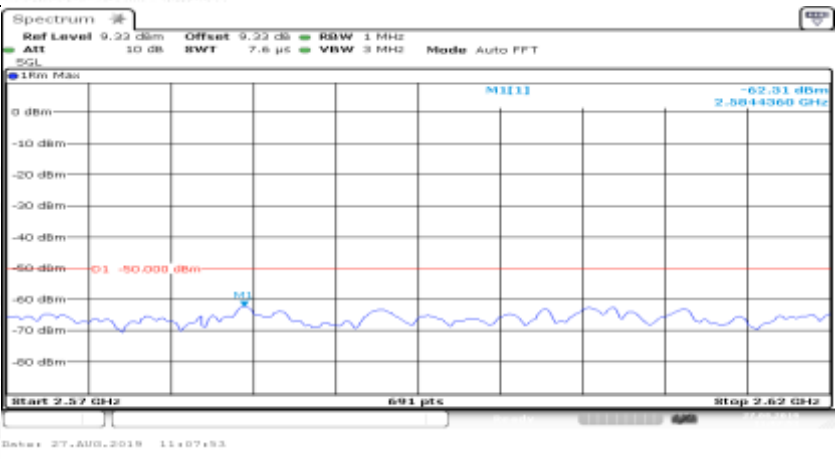
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	
General	


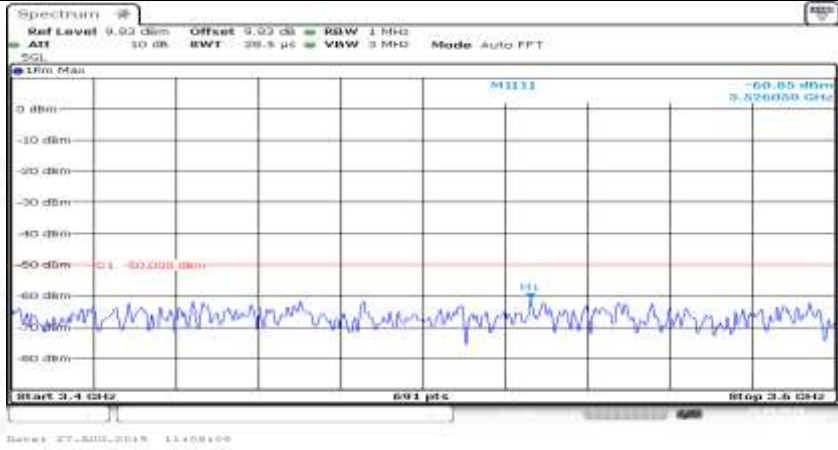
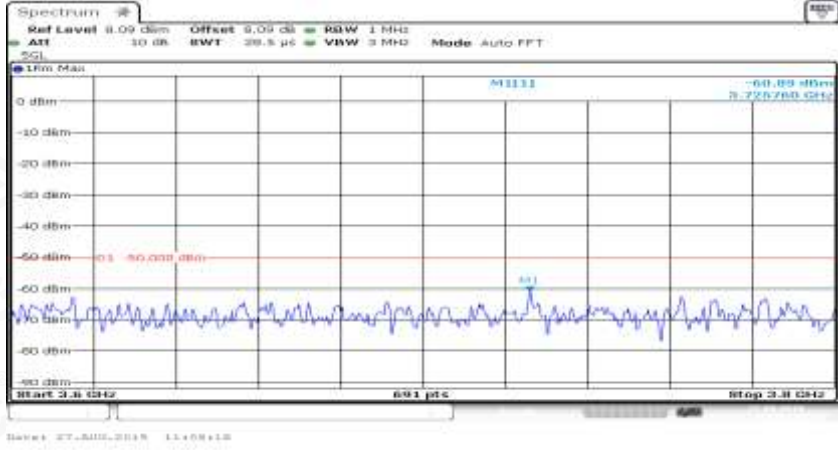
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB RBW 100 kHz ATT 10 dB BW 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -79.47 dBm -10 dBm -20 dBm -30 dBm -40 dBm -36.000 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 30.0 MHz Stop 1.0 GHz</p> <p>Date: 27.AUG.2019 11:08:29</p>
General	 <p>Spectrum</p> <p>Ref Level 8.69 dBm Offset 8.69 dB RBW 1 MHz ATT 10 dB BW 1 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -65.78 dBm -10 dBm -20 dBm -30 dBm -30.000 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 1.2 GHz Stop 2.0 GHz</p> <p>Date: 27.AUG.2019 11:08:30</p>
General	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB RBW 1 MHz ATT 10 dB BW 3 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -68.57 dBm -10 dBm -20 dBm -30 dBm -34.000 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 1.8005 GHz Stop 5.31 GHz</p> <p>Date: 27.AUG.2019 11:08:33</p>



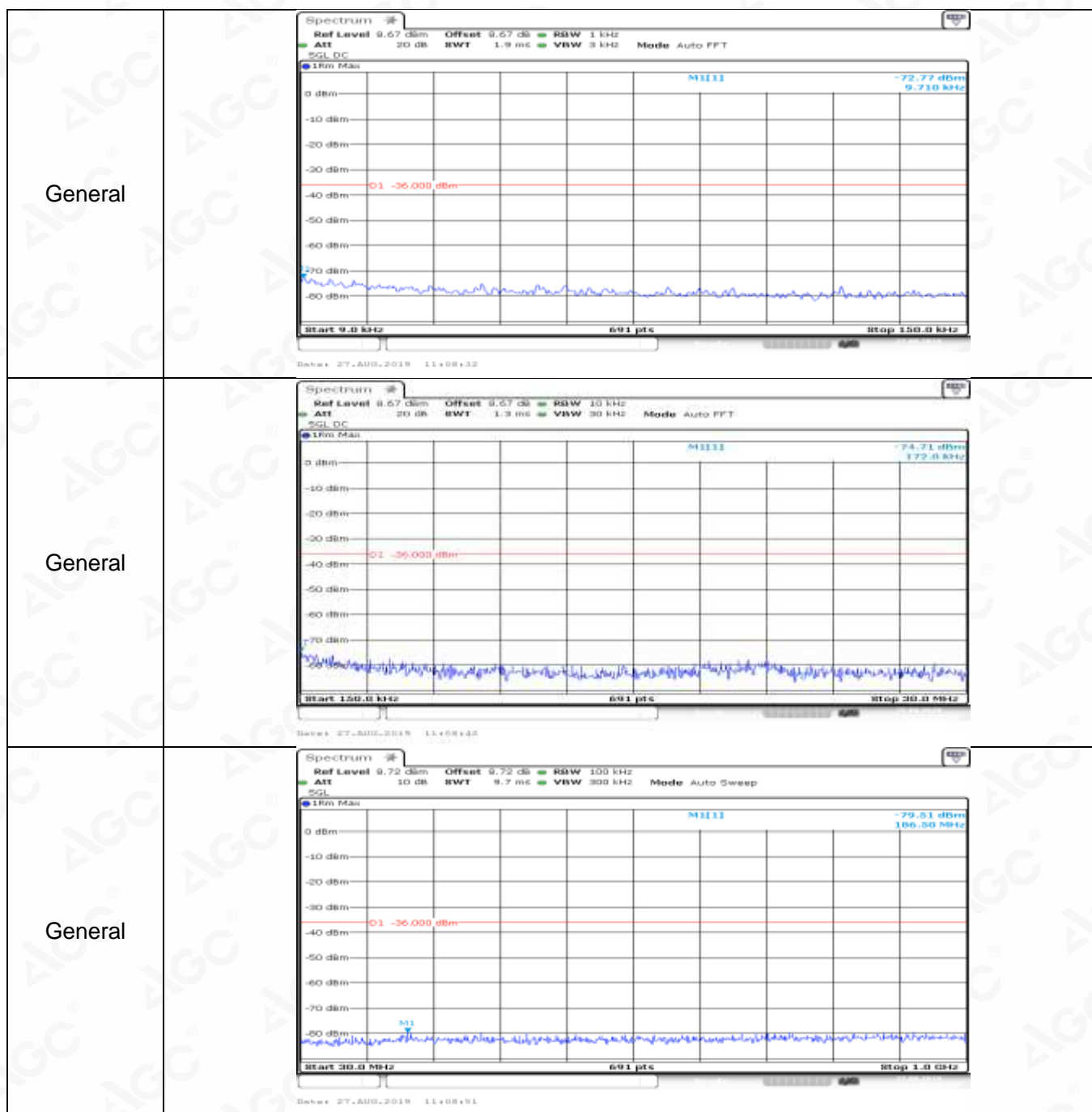
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Co-existence	
Co-existence	

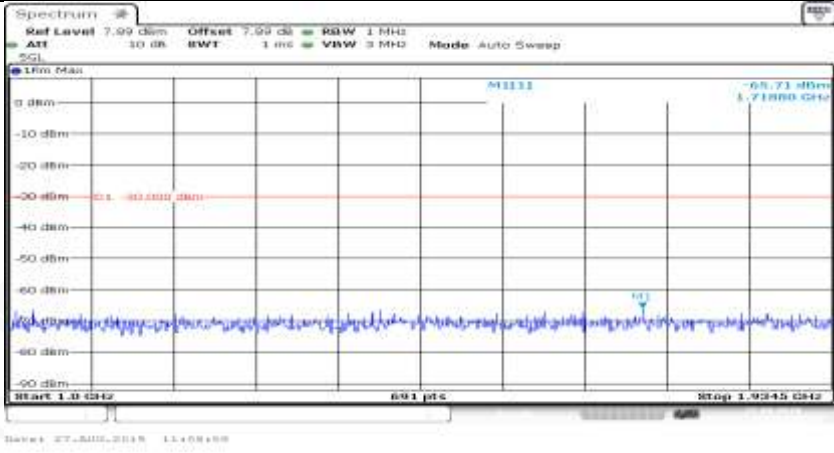
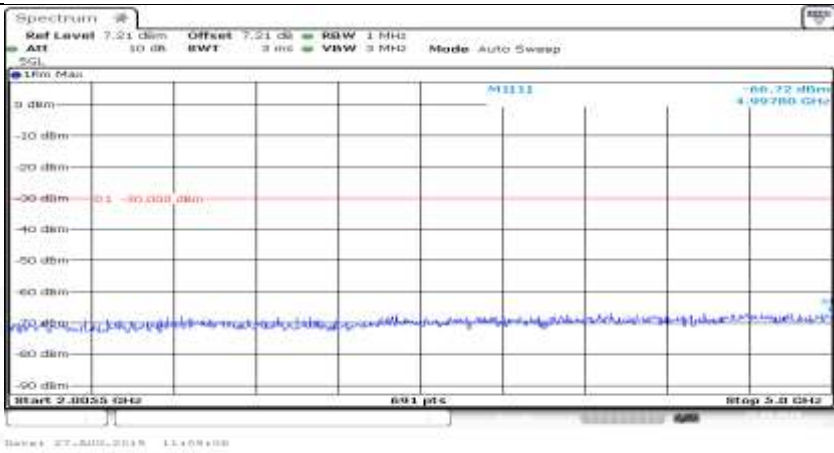
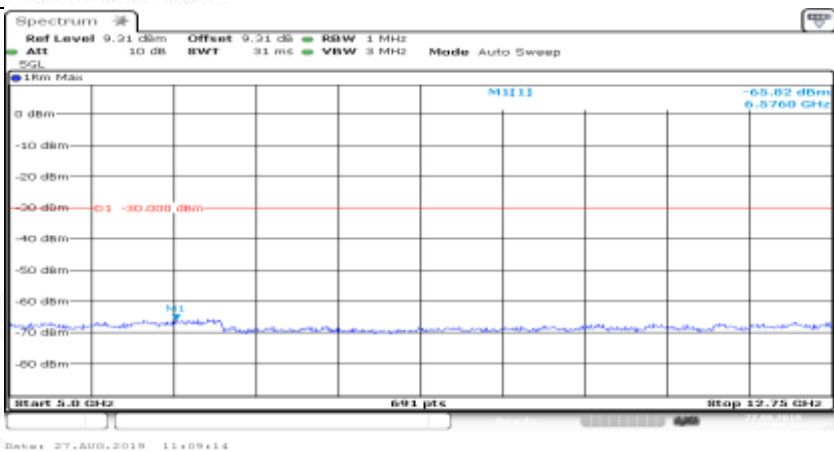


Co-existence	
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Co-existence	

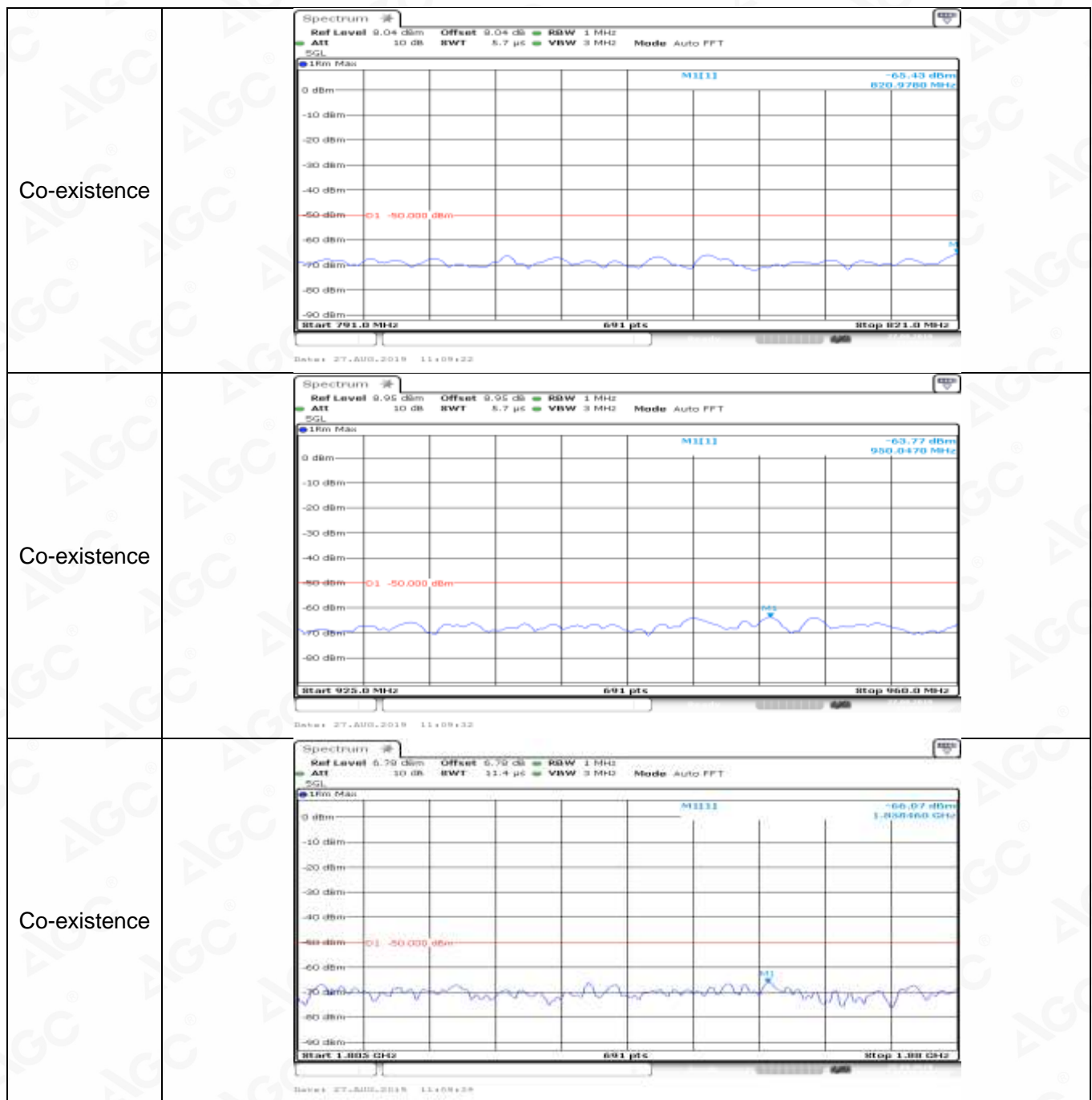
Co-existence	
Co-existence	
Co-existence	
Additional	NA

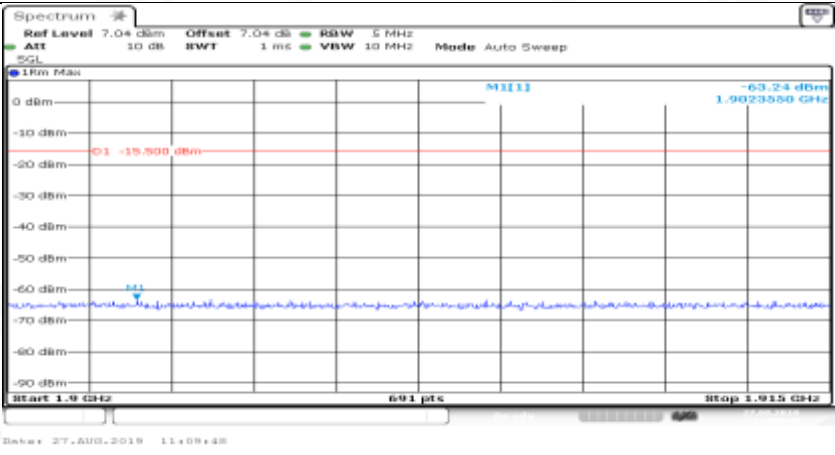


Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0


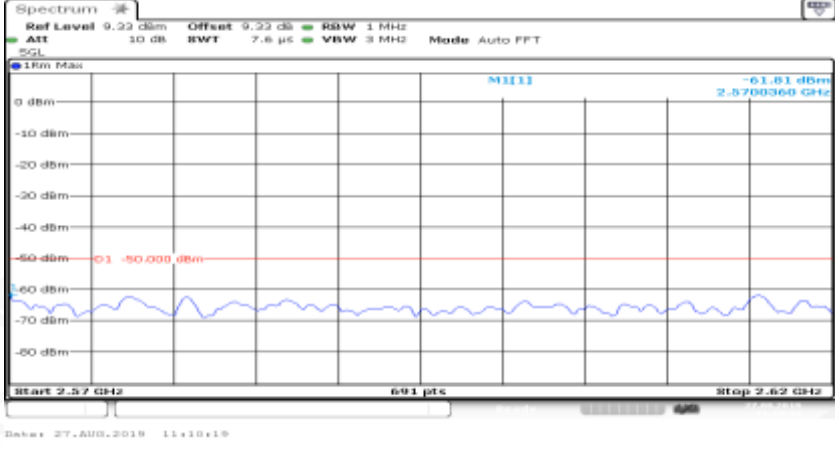
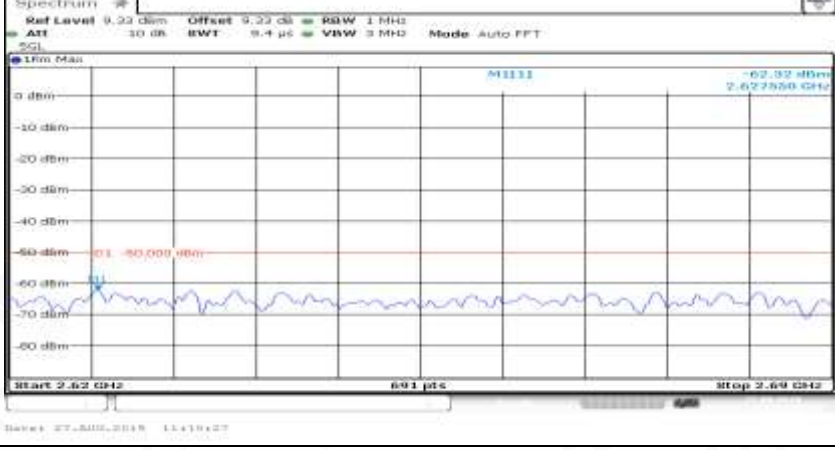


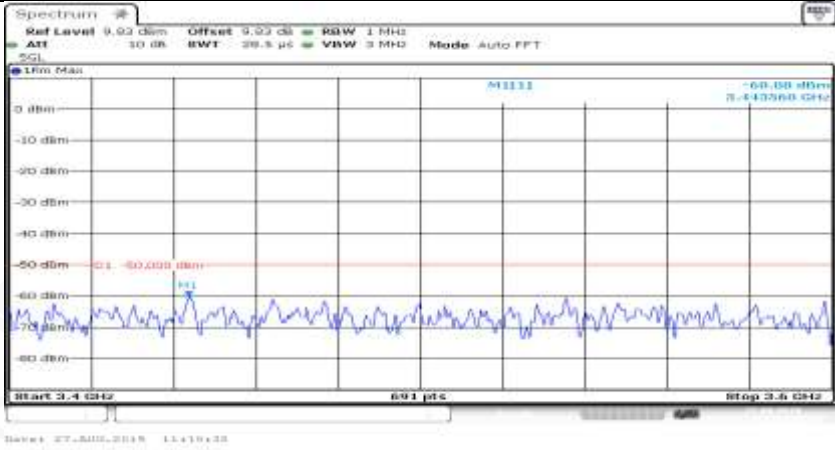
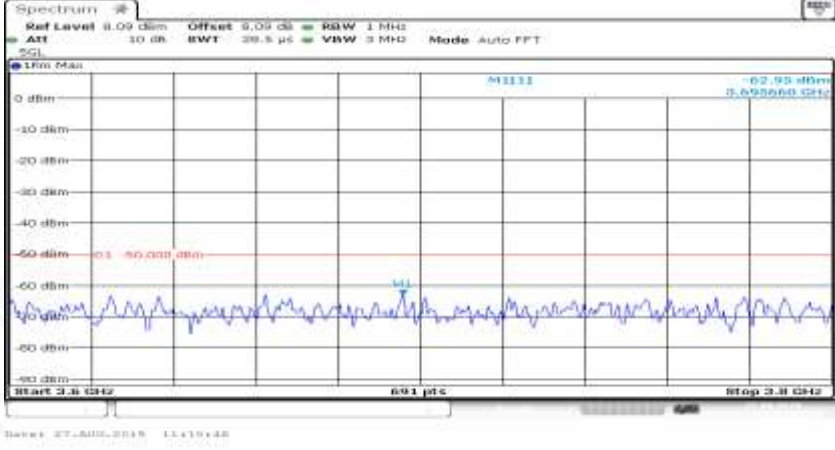
General	
General	
General	

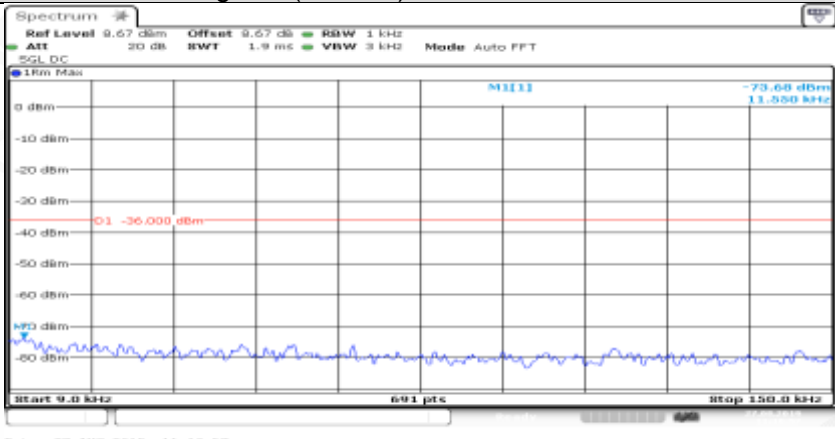


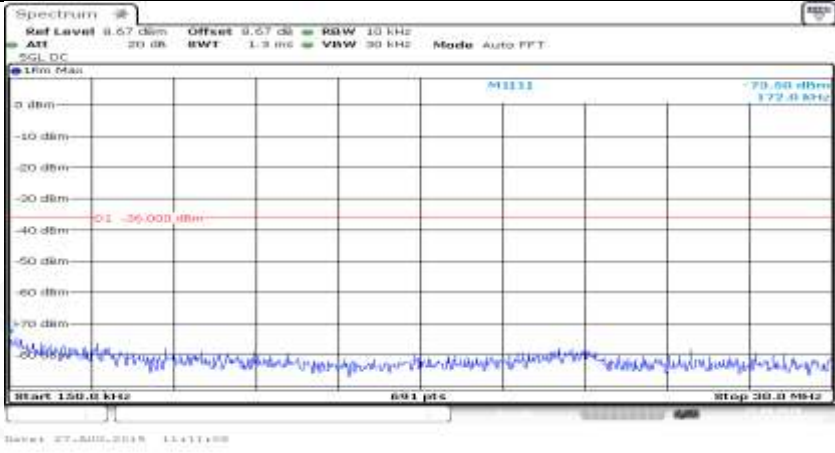
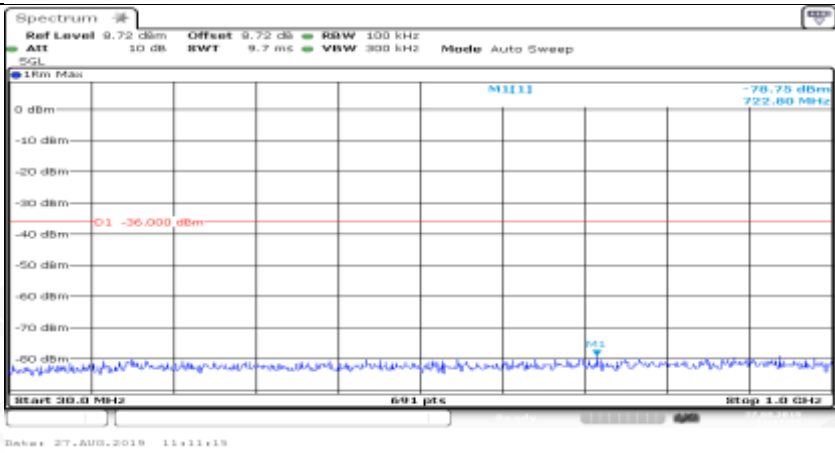
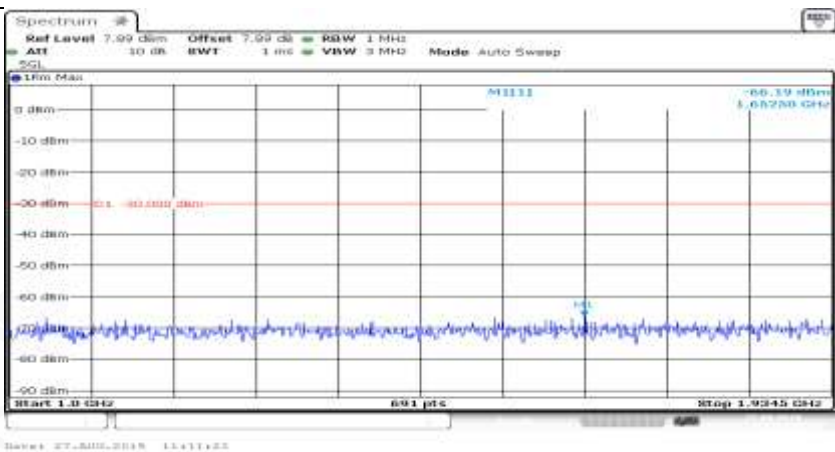


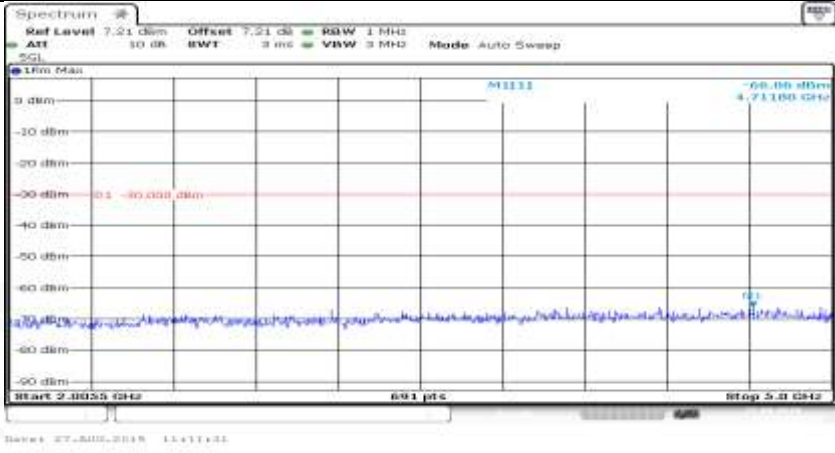
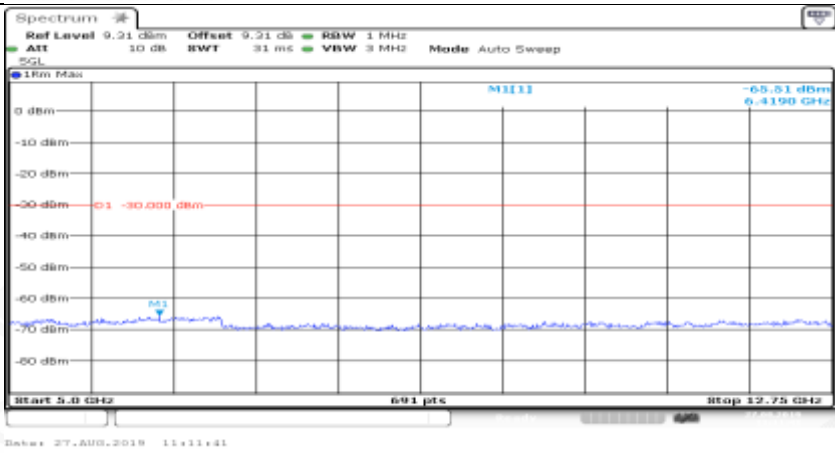
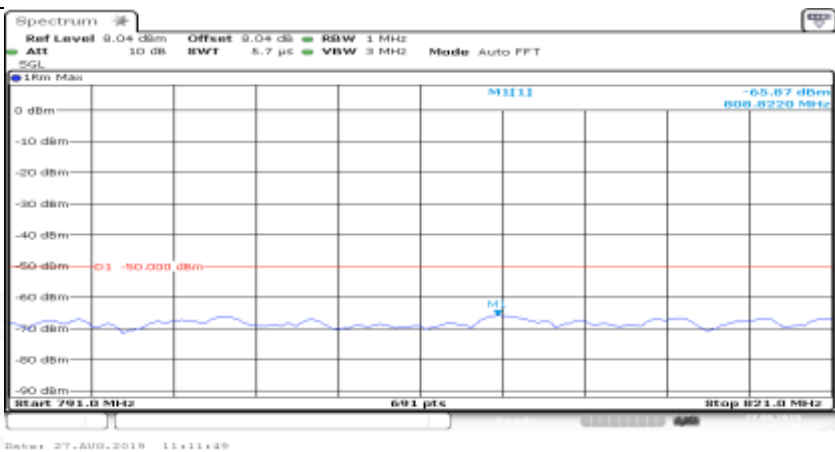
Co-existence	
Co-existence	
Co-existence	

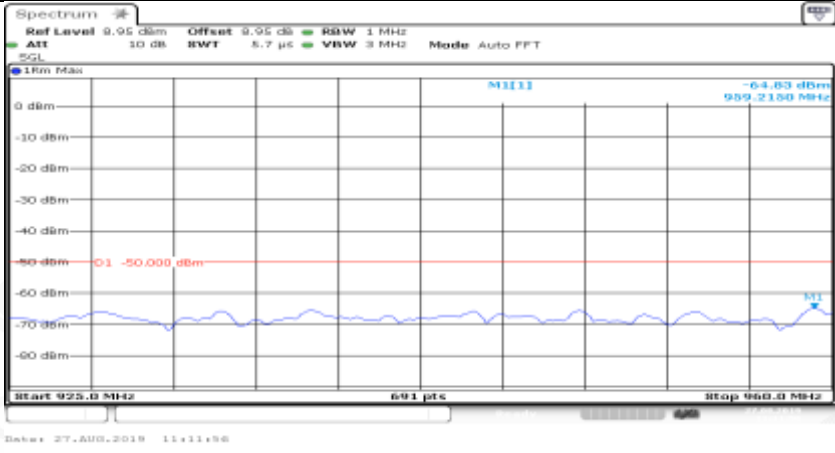

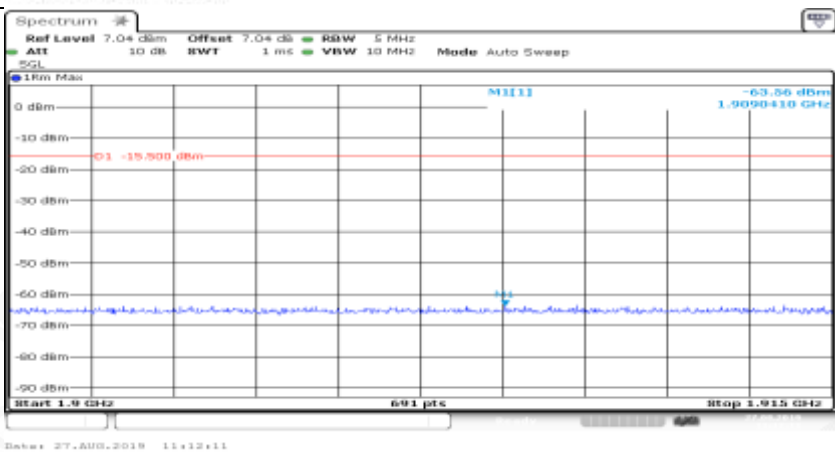
Co-existence	
Co-existence	
Co-existence	

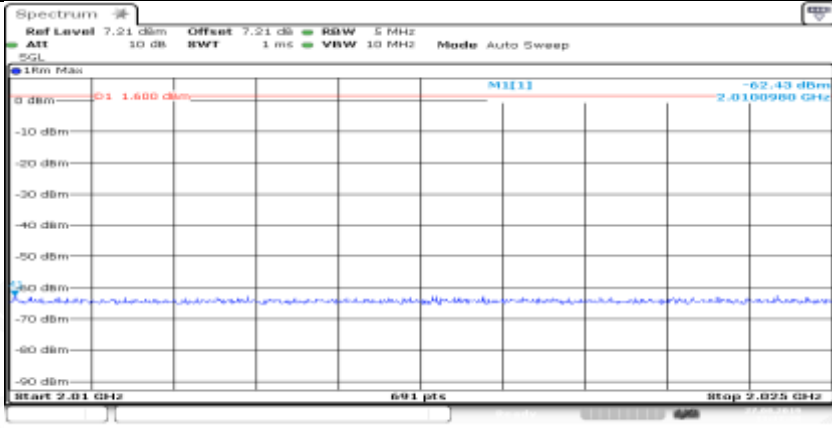

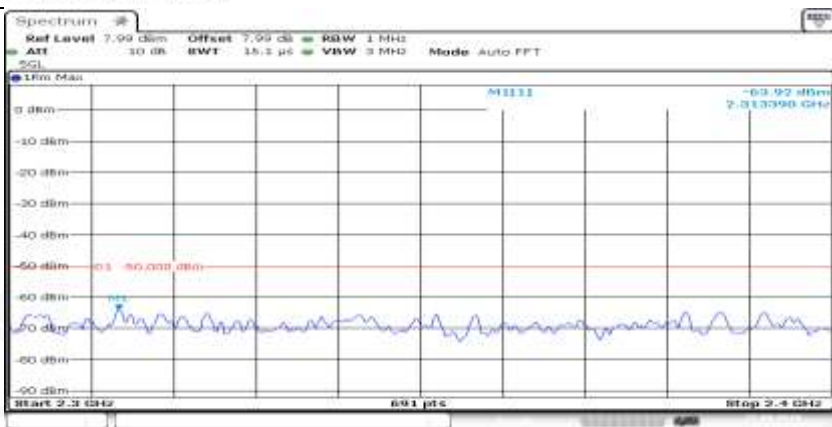
Co-existence	
Co-existence	
Additional	NA



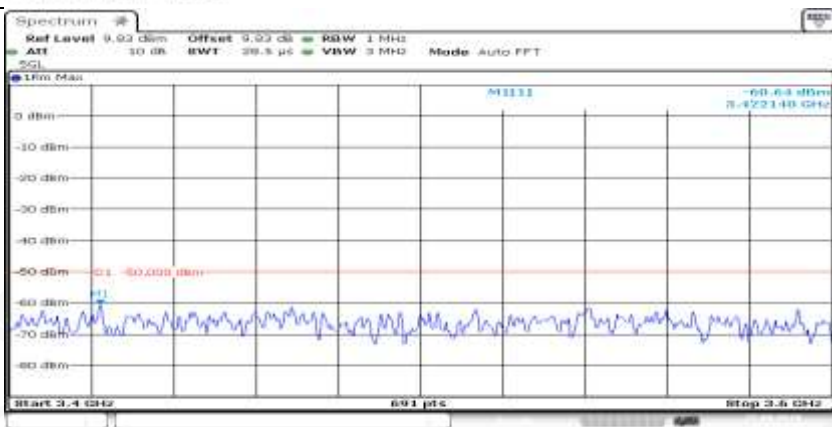
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	

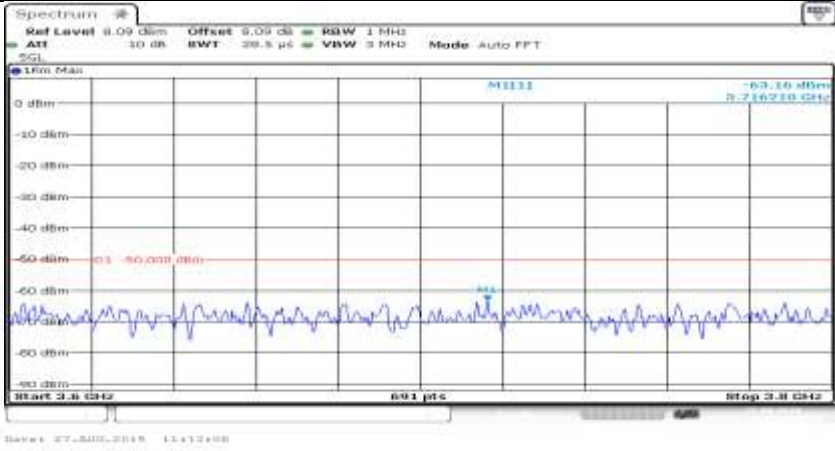
General	
General	
General	

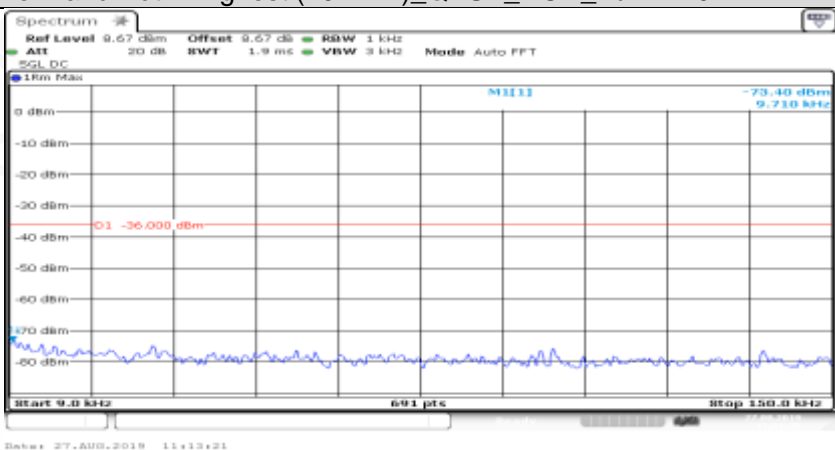
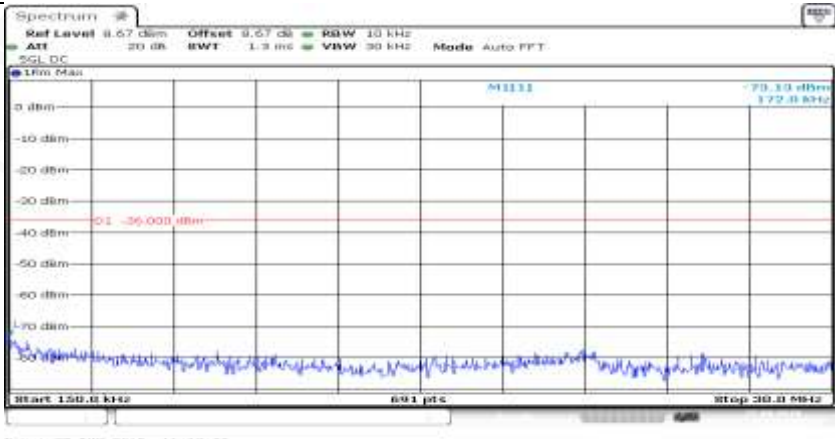
General	
General	
Co-existence	

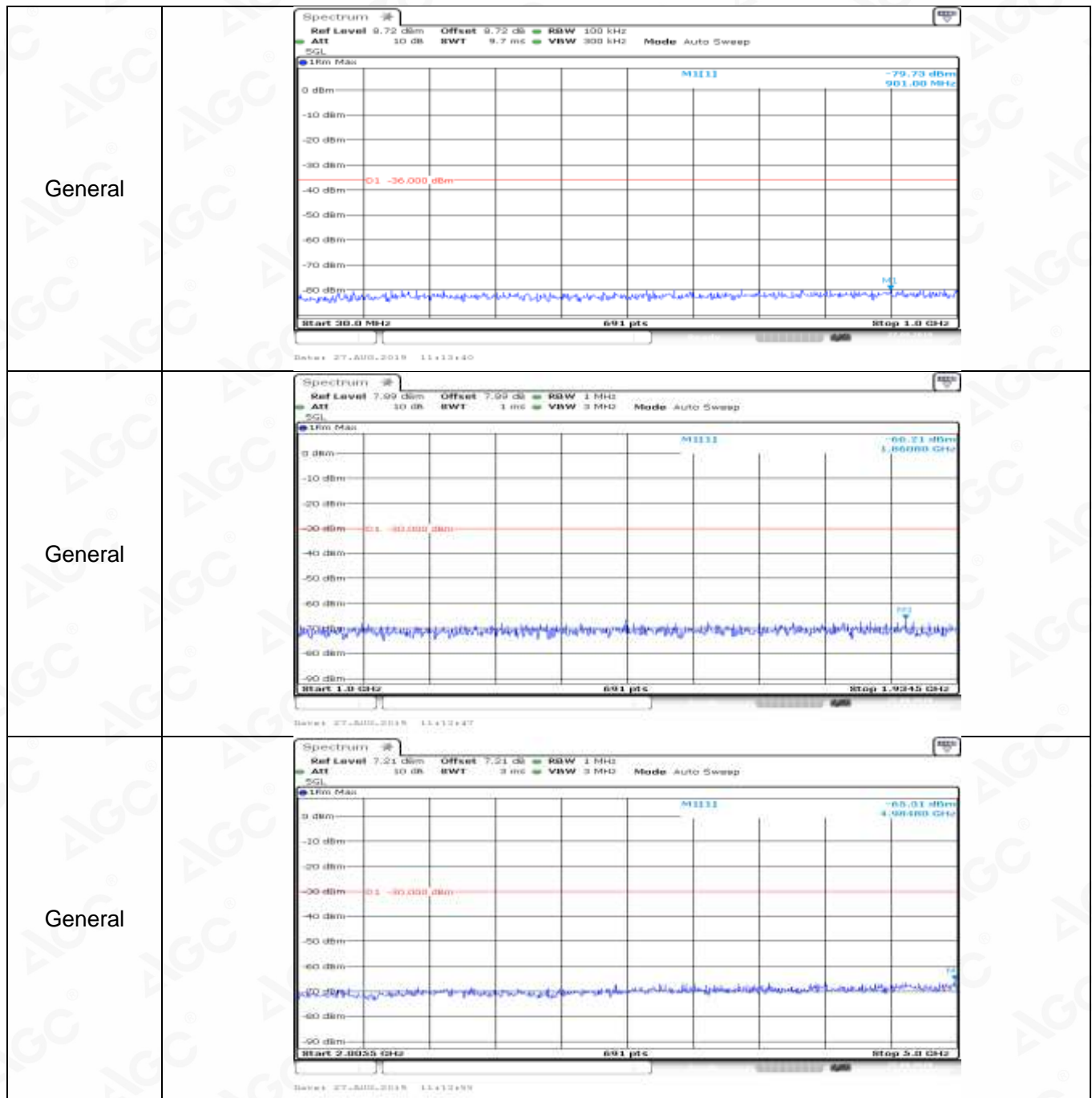
Co-existence	
Co-existence	
Co-existence	

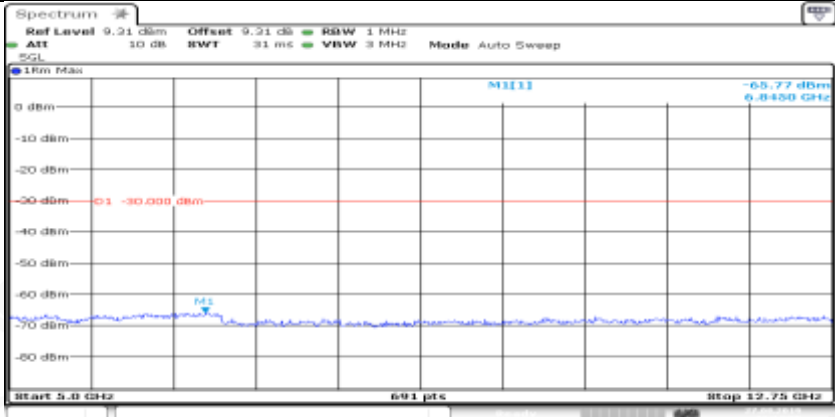
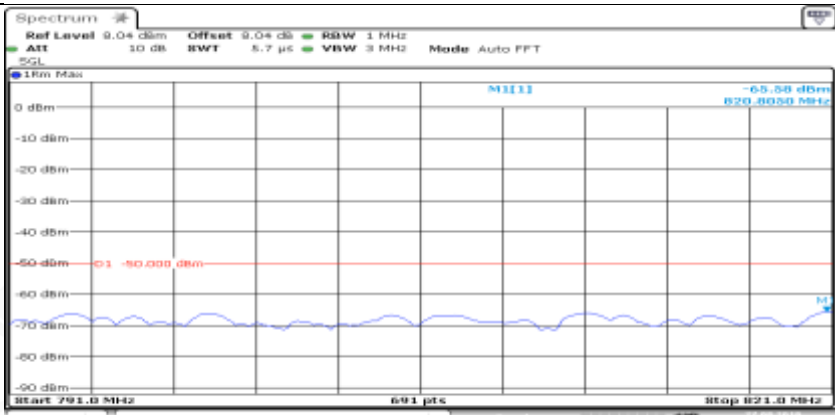

Co-existence	 <p>Save: 27.AUG.2019 11:12:19</p>
Co-existence	 <p>Save: 27.AUG.2019 11:12:27</p>
Co-existence	 <p>Save: 27.AUG.2019 11:12:33</p>

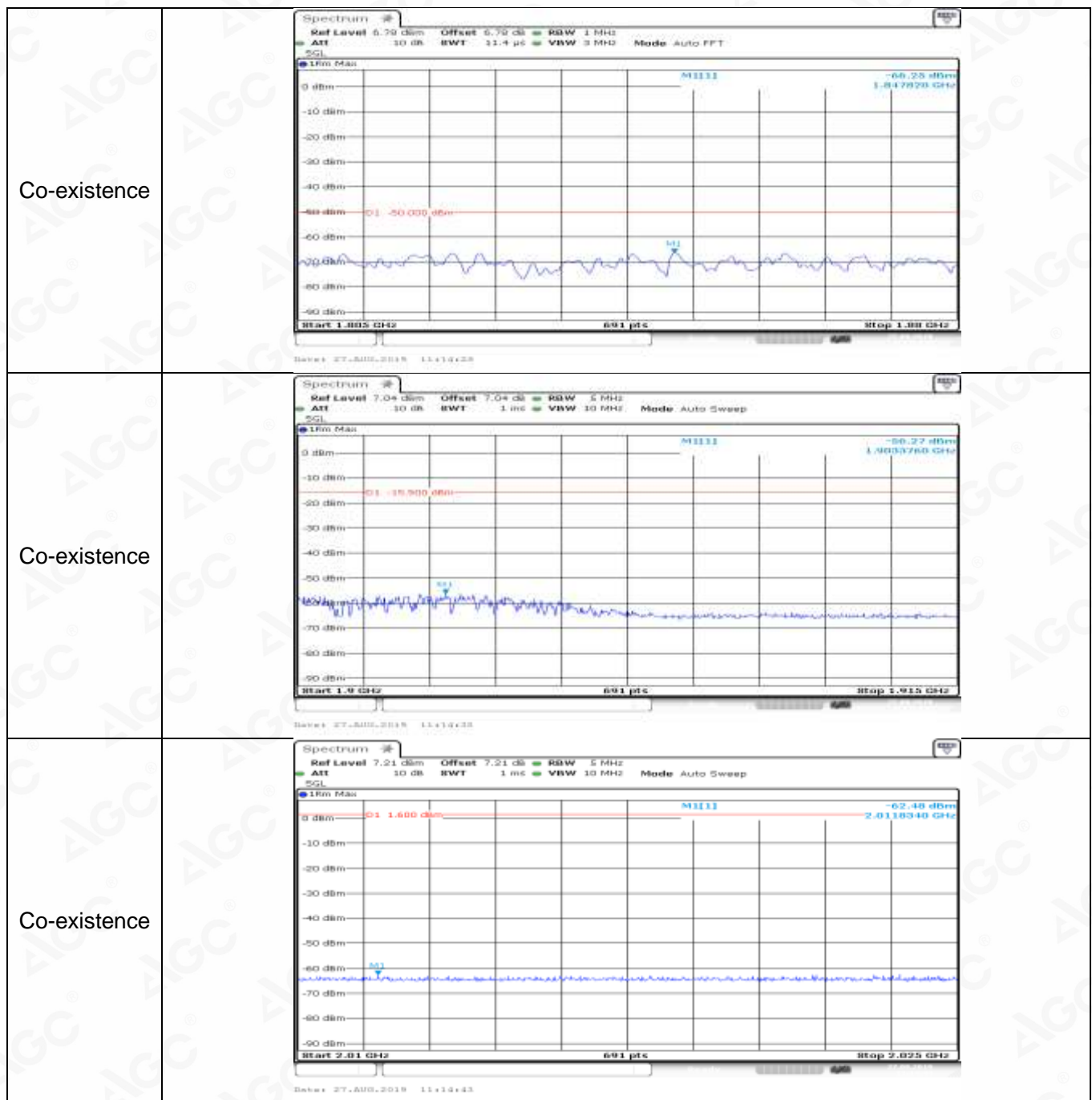
Co-existence	
Co-existence	
Co-existence	

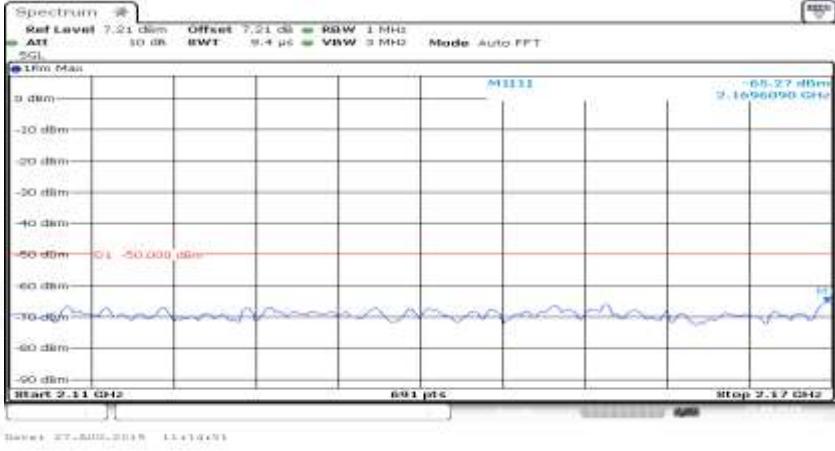

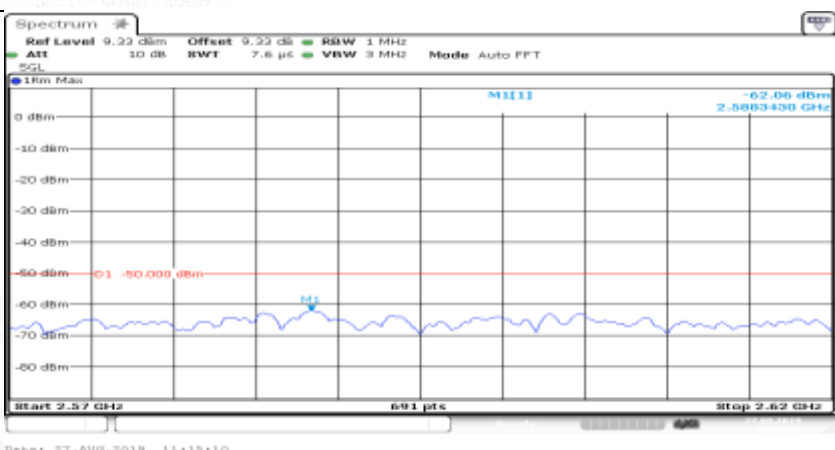
Co-existence	
Additional	NA

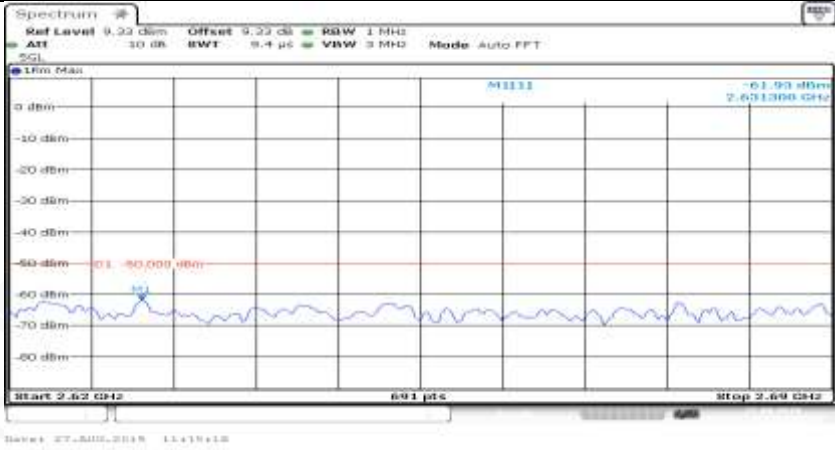
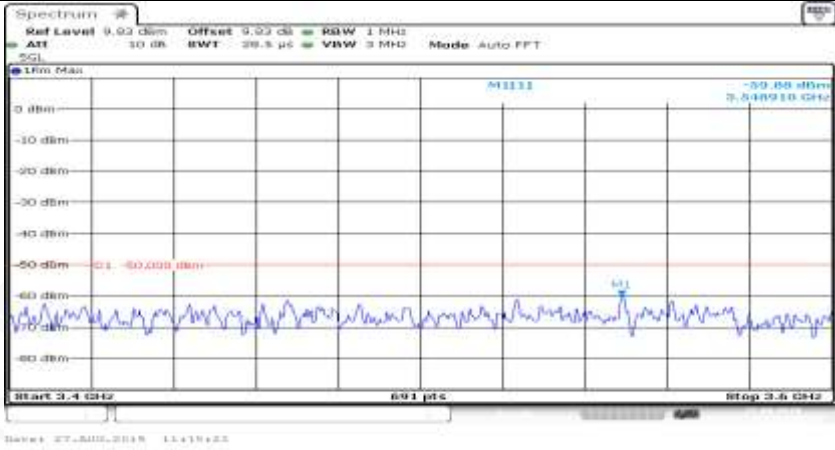
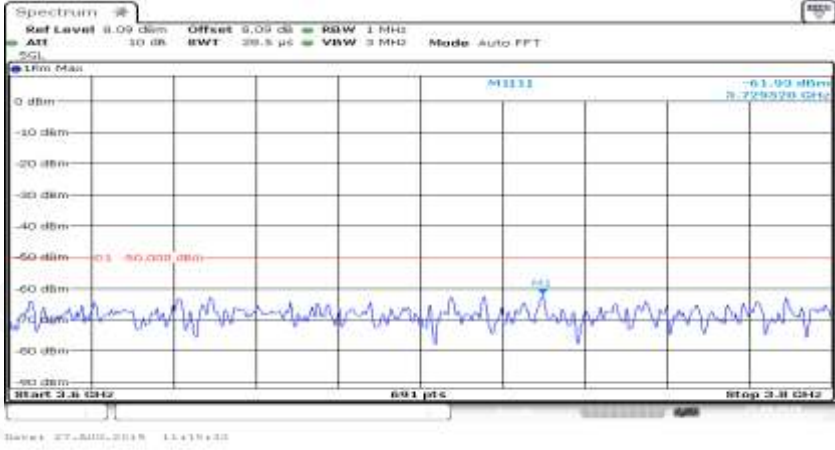
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullRB#0	
General	
General	



General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 11:13:04</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 27.AUG.2019 11:13:12</p>
Co-existence	 <p>Start 925.0 MHz Stop 955.0 MHz</p> <p>Date: 27.AUG.2019 11:13:20</p>



Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA

6. Receiver Spurious Emissions

Test Result

NTNV

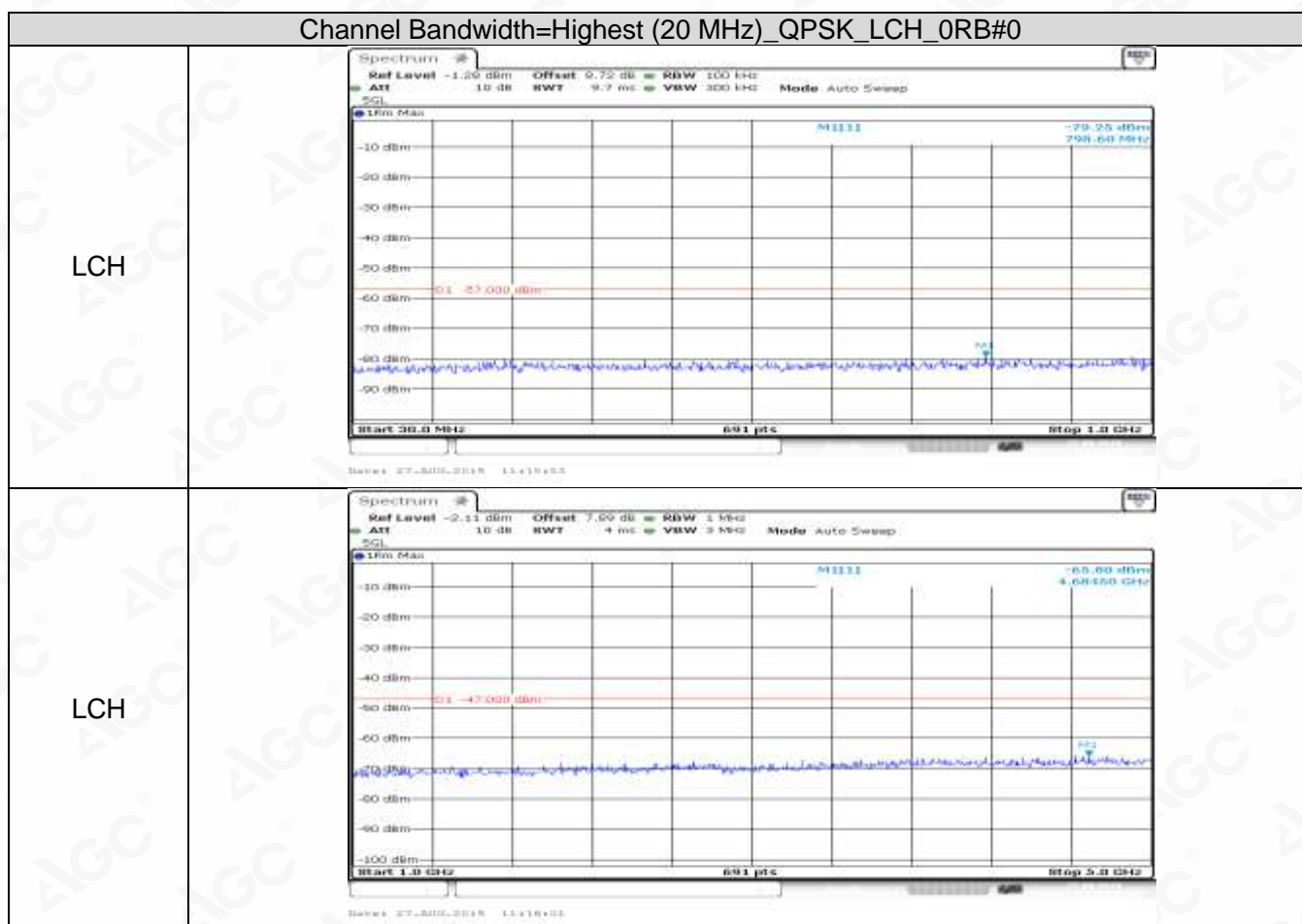
Channel Bandwidth=Highest

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

Test Graphs

NTNV

Channel Bandwidth=Highest



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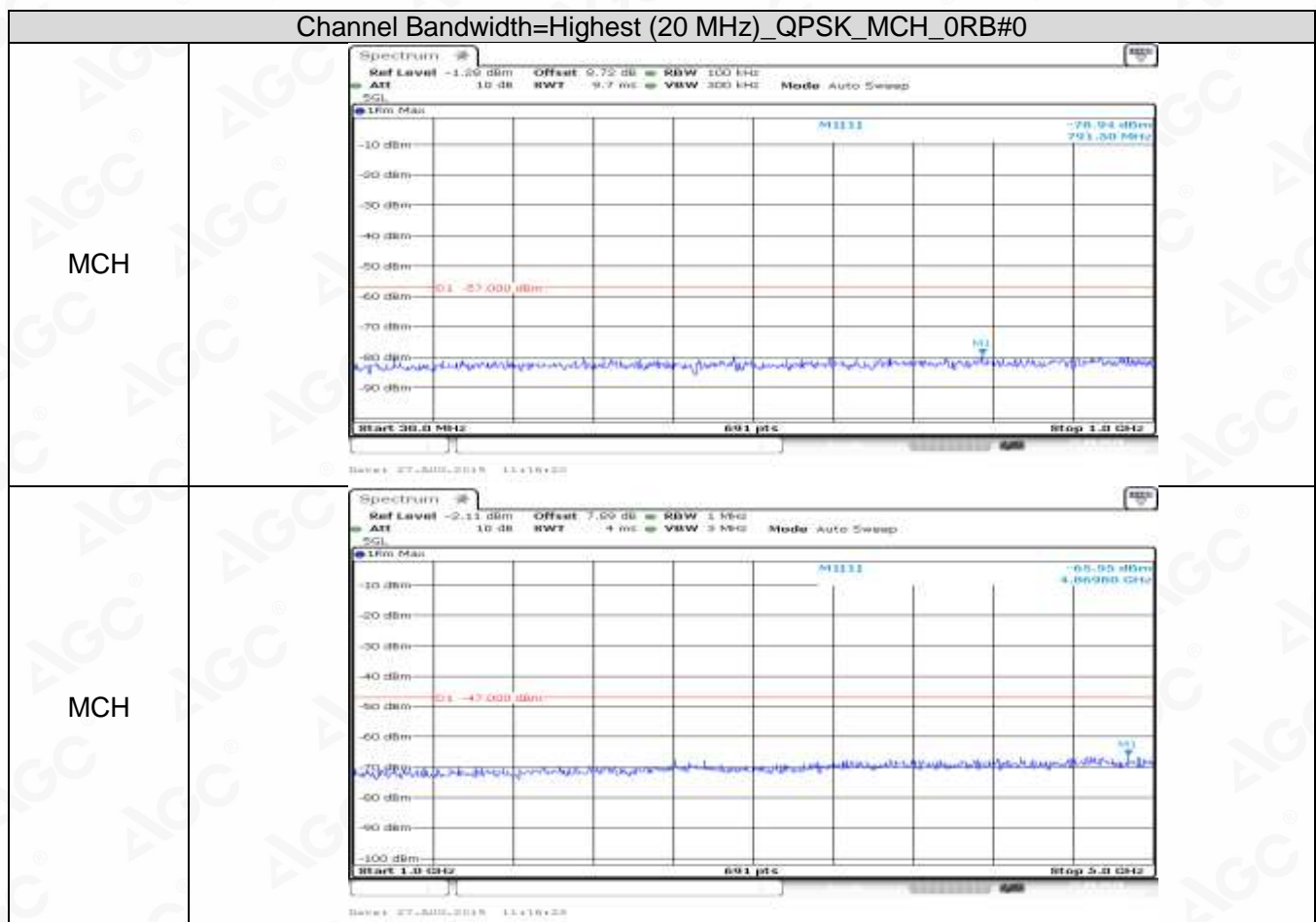
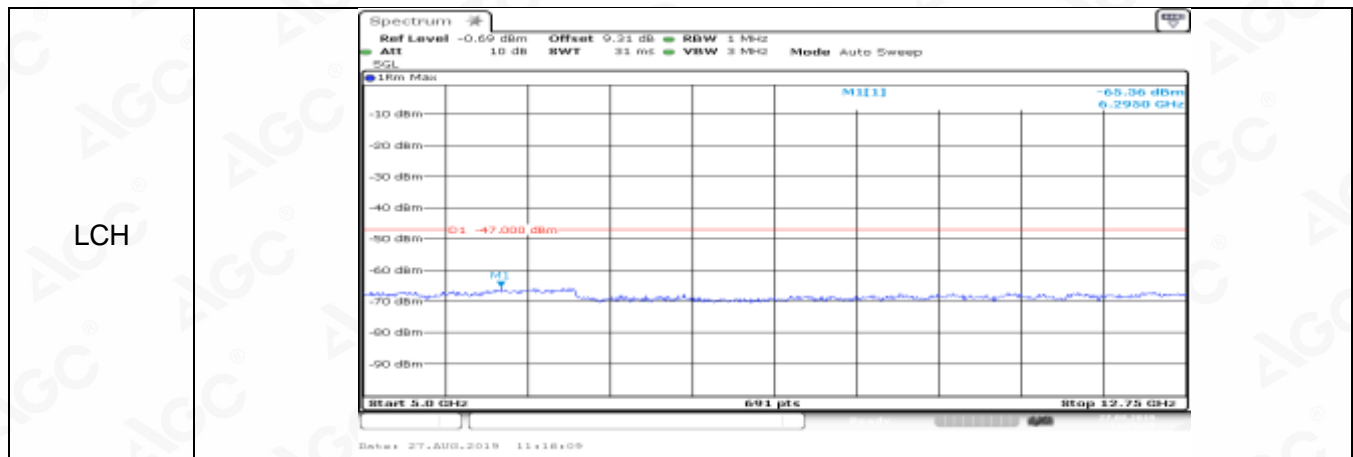
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

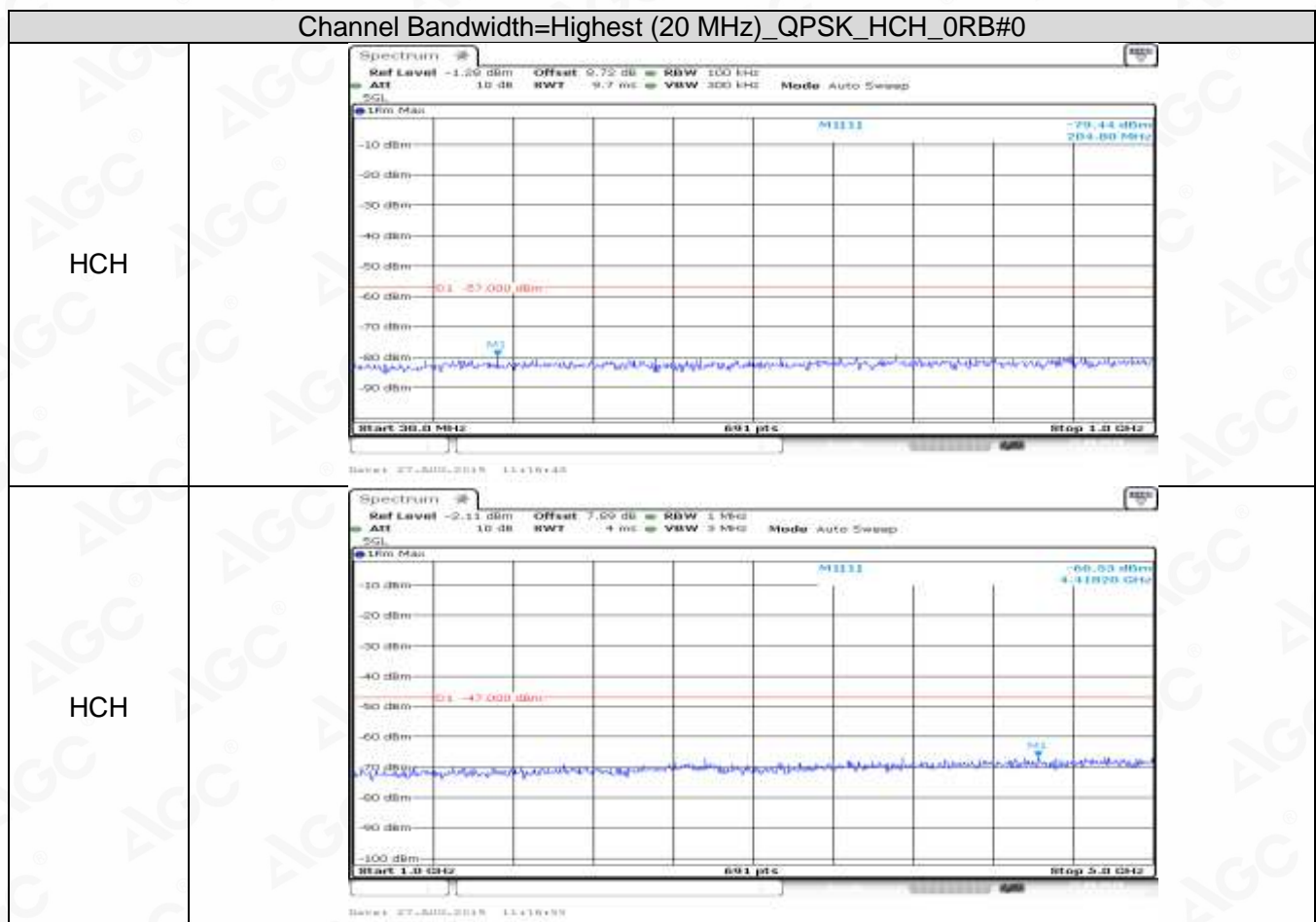
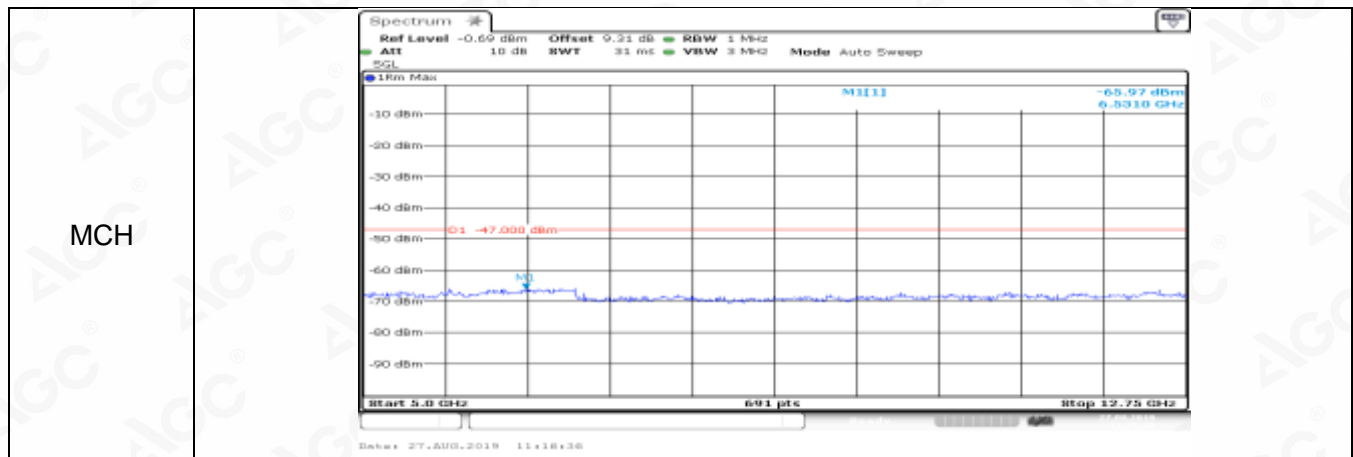
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

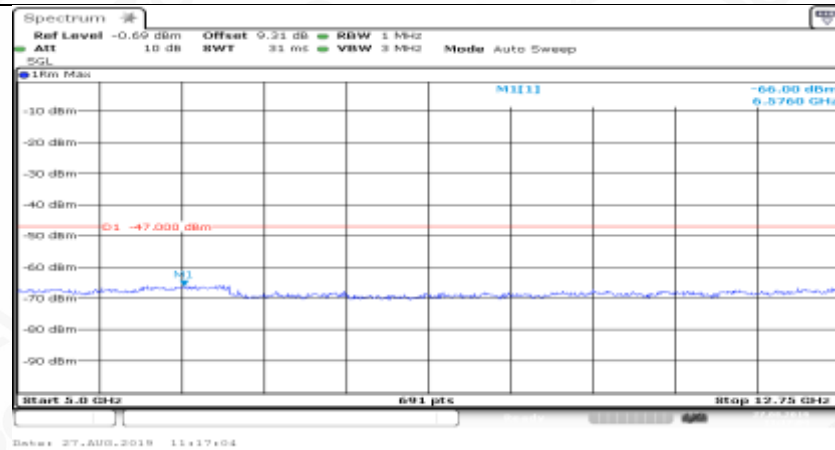
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118





HCH



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E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

7. Receiver Adjacent Channel Selectivity (ACS)

Test Results

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

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



8. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

Out-of Band Blocking

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

20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				

Narrow Band

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



9. Receiver Spurious Response

Test Results

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

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



10. Receiver Intermodulation Characteristics

Test Results

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

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



11. Receiver Reference Sensitivity Level

Test Results

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

NTNV

	Test Band			Band 1			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
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					



12. Radiated spurious emissions - MS in idle mode

Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-72.11	-72.10	-72.23
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-76.31	-76.28	-76.31
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-70.77	-70.62	-70.57



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E-mail: agc@agc-cert.com

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Appendix B for Band 3

1. Transmitter Maximum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.54	Pass
					max	23.52	Pass
				Partial	0	23.43	Pass
					max	23.35	Pass
			Mid range	1	0	23.48	Pass
					max	23.45	Pass
				Partial	0	23.45	Pass
					max	23.42	Pass
			High range	1	0	23.39	Pass
					max	23.23	Pass
				Partial	0	23.15	Pass
					max	23.17	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	23.12	Pass
					max	23.09	Pass
				Partial	0	23.21	Pass
					max	23.16	Pass
			Mid range	1	0	23.29	Pass
					max	23.26	Pass
				Partial	0	23.42	Pass
					max	23.36	Pass
			High range	1	0	23.53	Pass
					max	23.39	Pass
				Partial	0	23.07	Pass
					max	23.14	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	23.23	Pass
					max	23.25	Pass
				Partial	0	23.44	Pass
					max	23.15	Pass
			Mid range	1	0	23.38	Pass
					max	23.46	Pass
				Partial	0	23.33	Pass
					max	23.45	Pass
			High range	1	0	23.30	Pass
					max	23.36	Pass
				Partial	0	23.30	Pass
					max	22.96	Pass



2. Transmitter Minimum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-49.74	Pass
			Mid range	Full	0	-51.86	Pass
			High range	Full	0	-51.84	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	-52.00	Pass
			Mid range	Full	0	-52.12	Pass
			High range	Full	0	-52.11	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-51.71	Pass
			Mid range	Full	0	-51.84	Pass
			High range	Full	0	-51.71	Pass

3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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



Attestation of Global Compliance

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E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

					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)

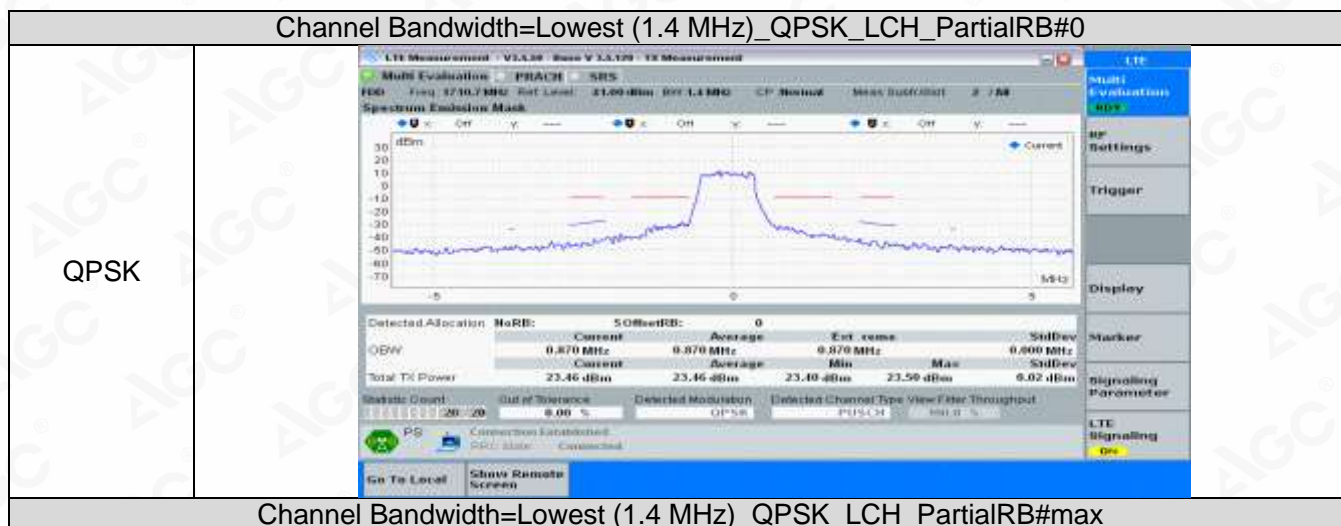
Channel Bandwidth=Highest (#BWH MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

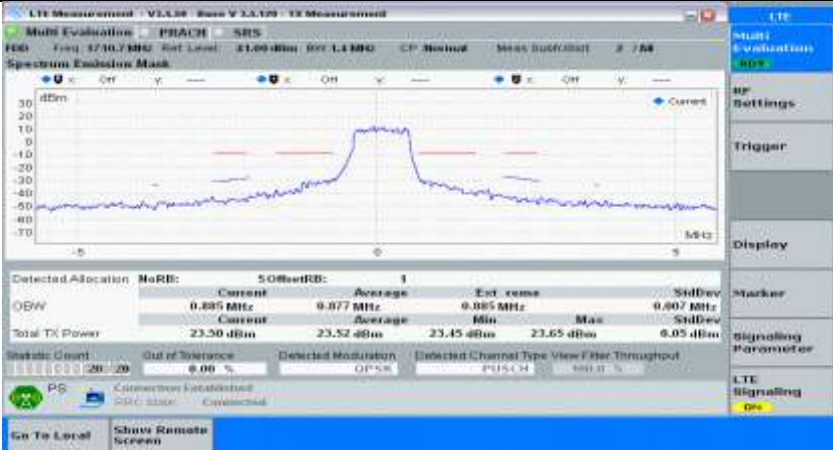
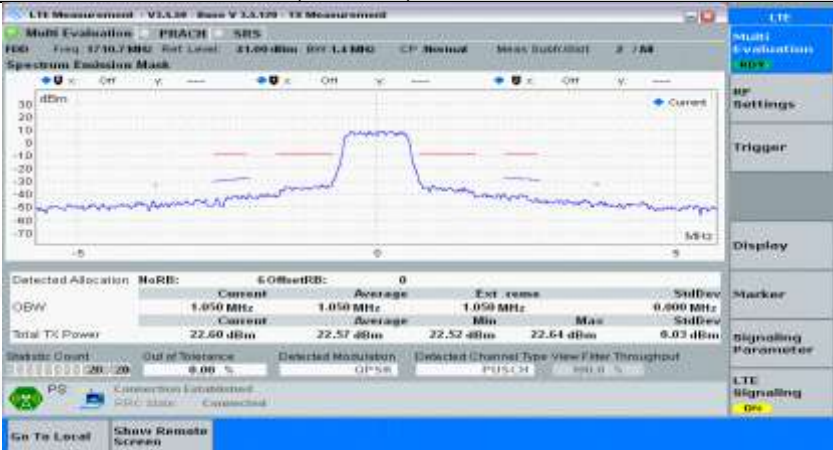
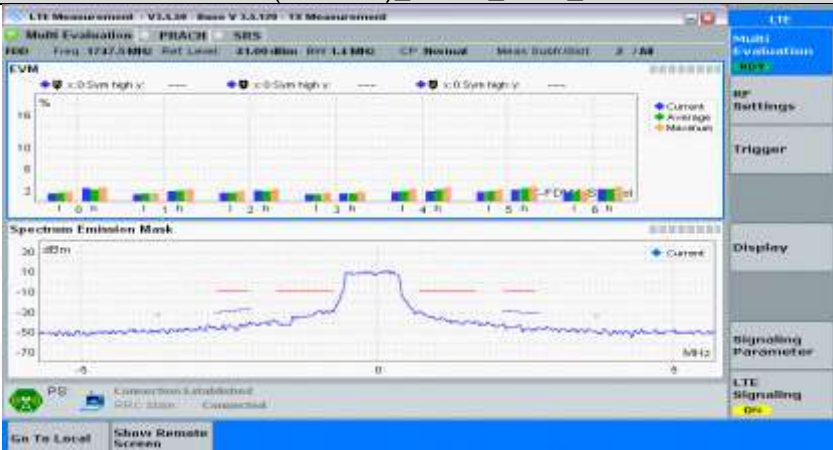
		Mid range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		Full		0	PUMAX	Pass
		High range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
	16QAM	Full		0	PUMAX	Pass
		Low range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		Full		0	PUMAX	Pass
		Mid range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
		Full		0	PUMAX	Pass
		High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

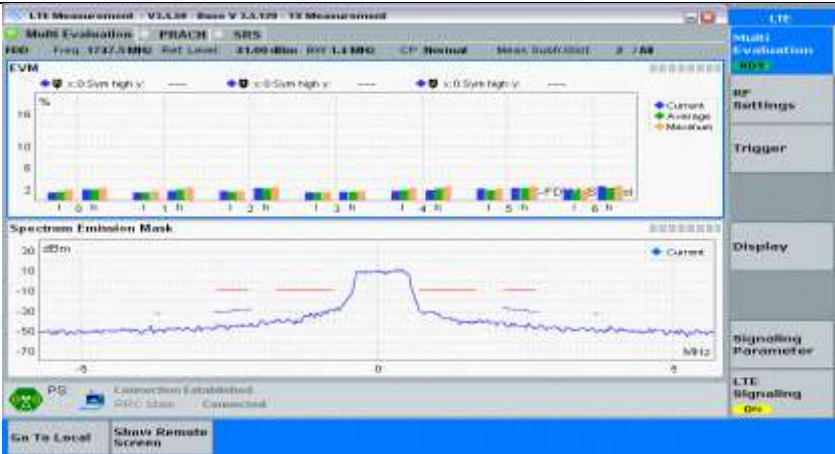
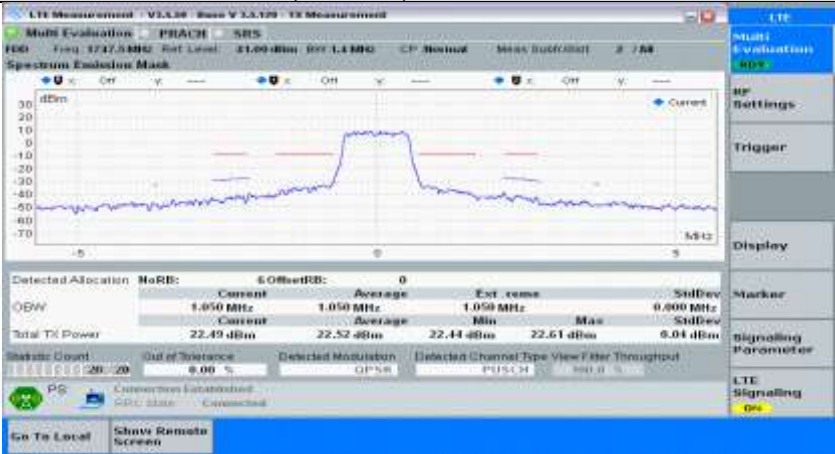
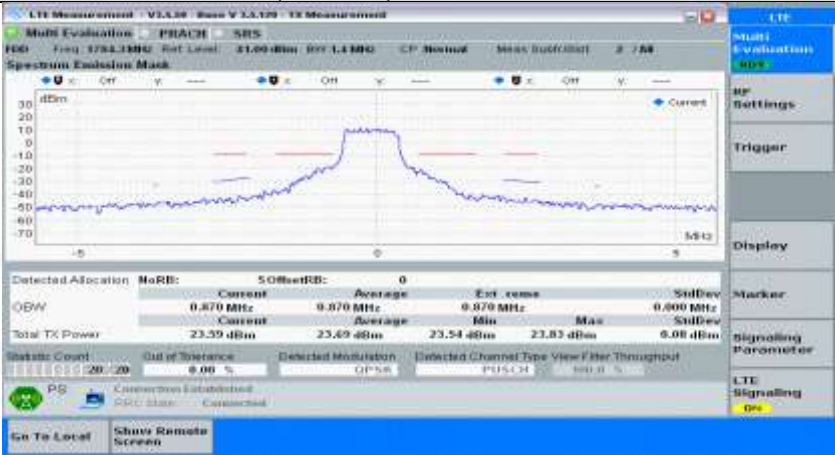
Test Graphs

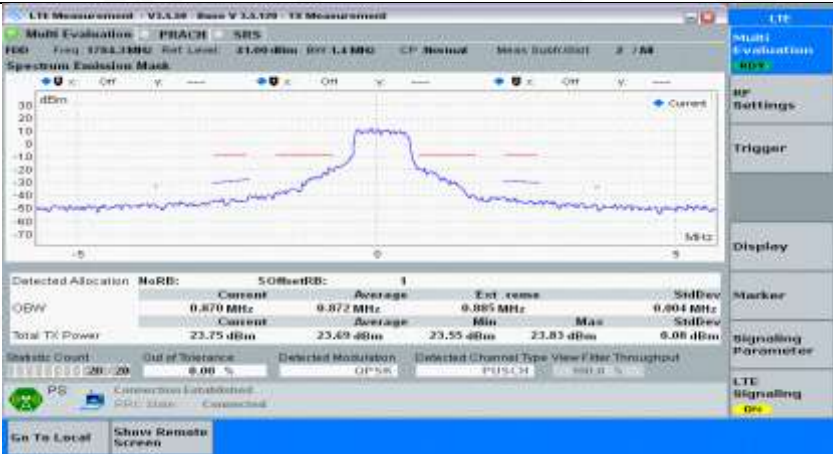
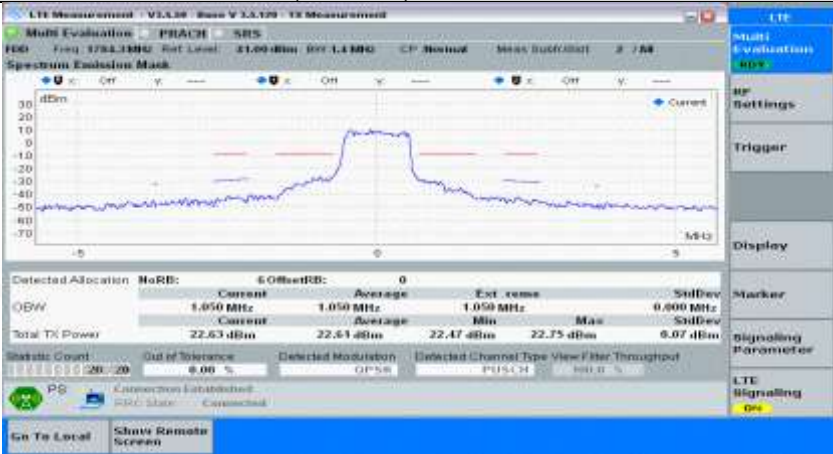
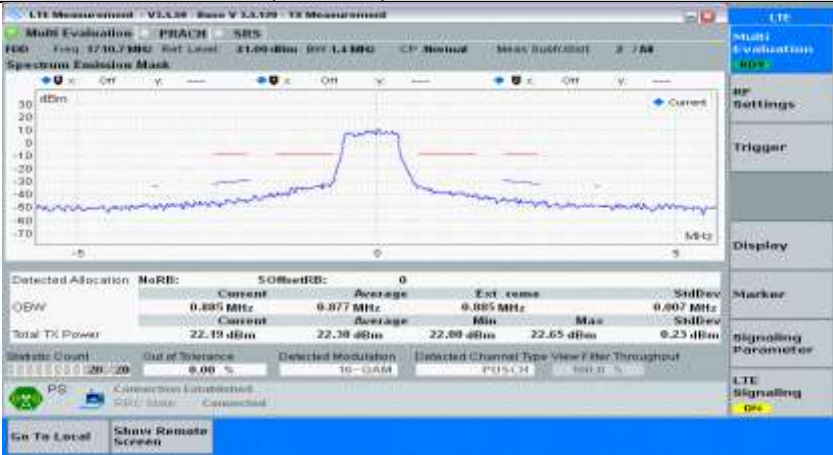
NTNV

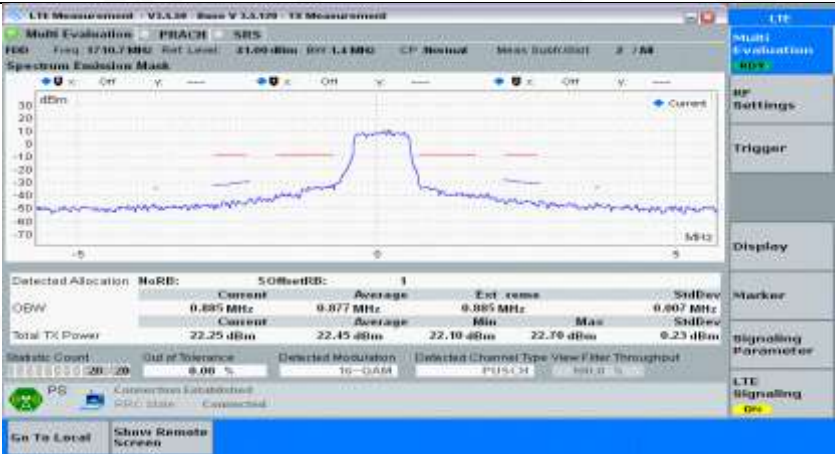
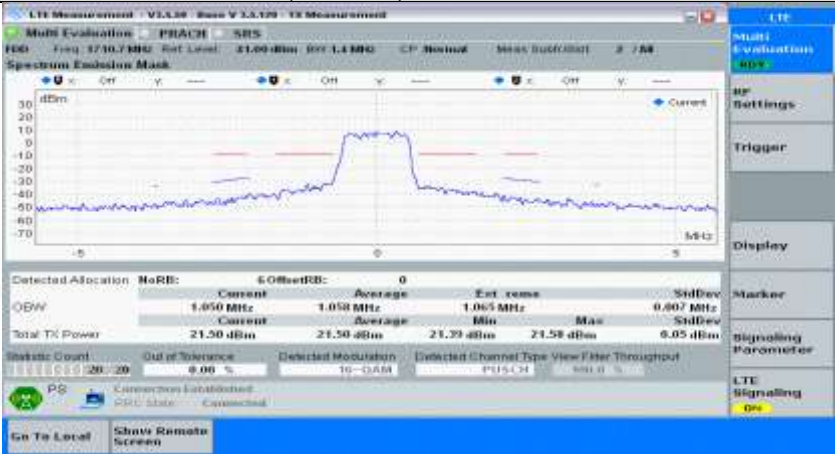
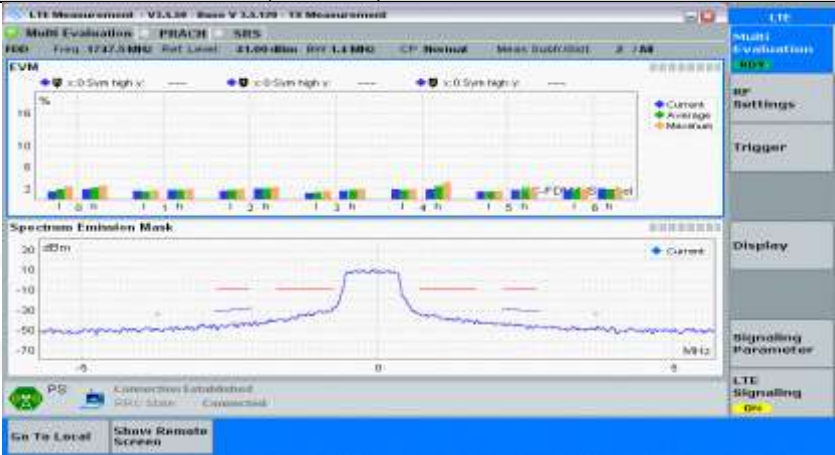
Channel Bandwidth=Lowest (1.4 MHz)

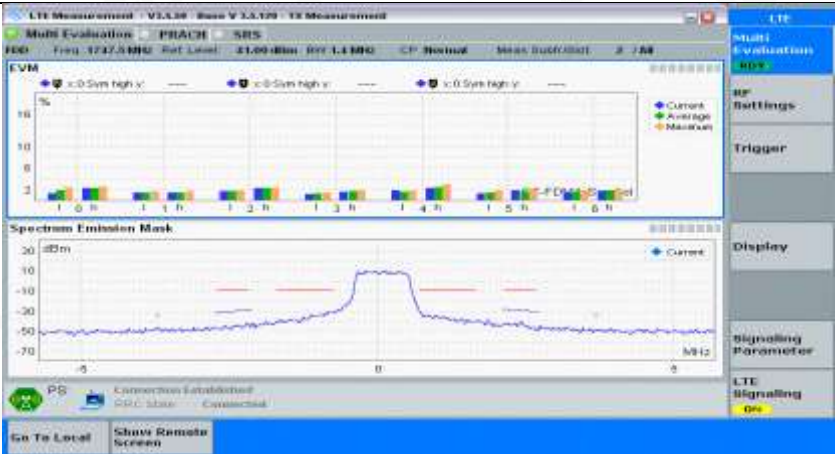
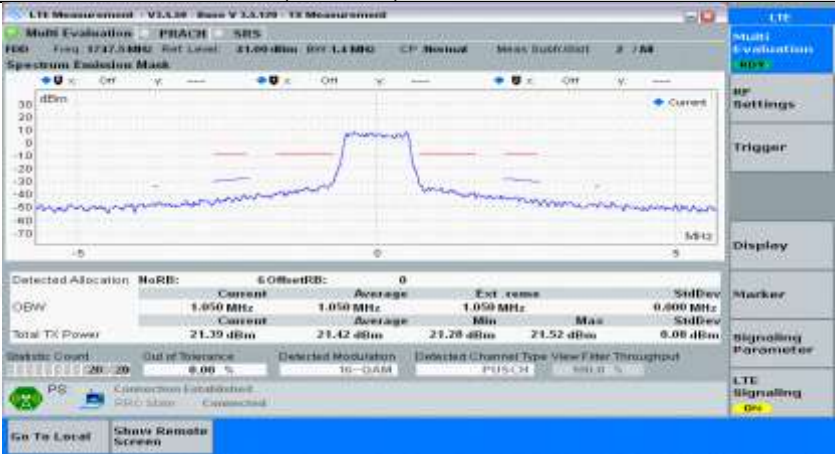
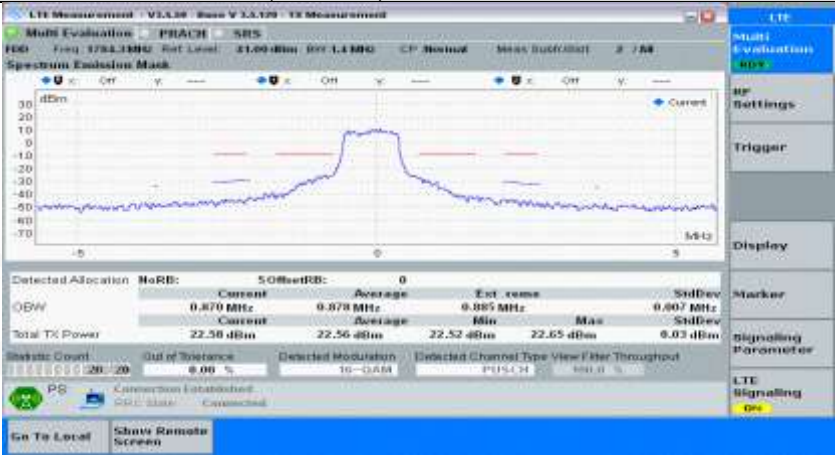


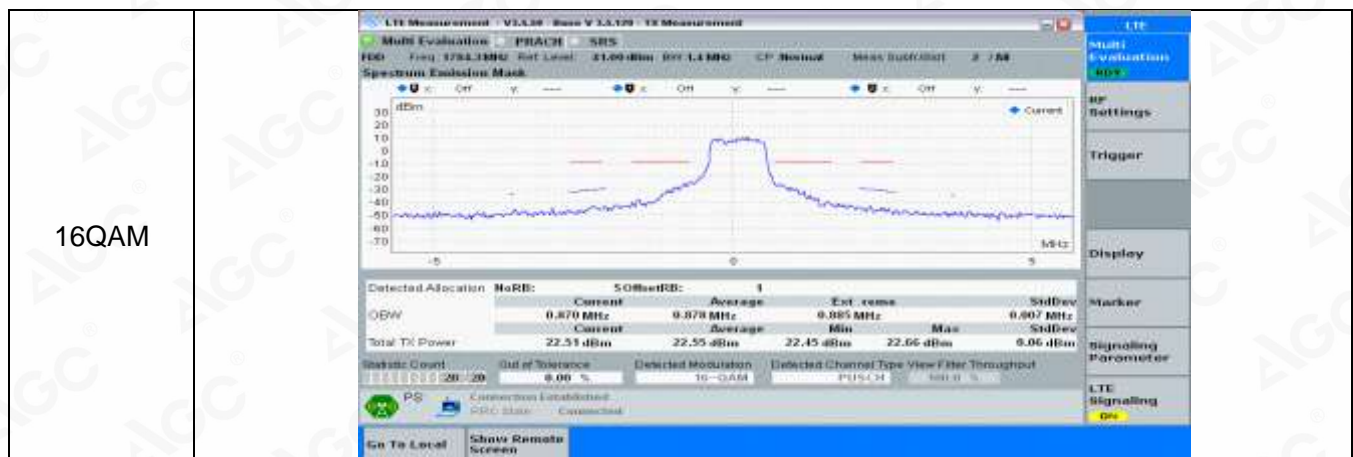
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	

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

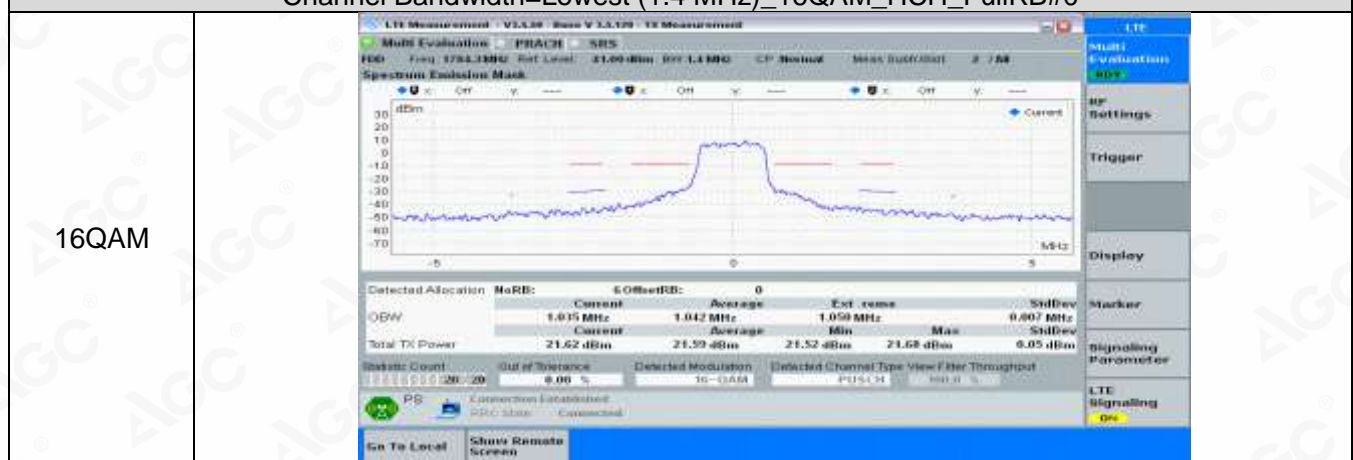
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	

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

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

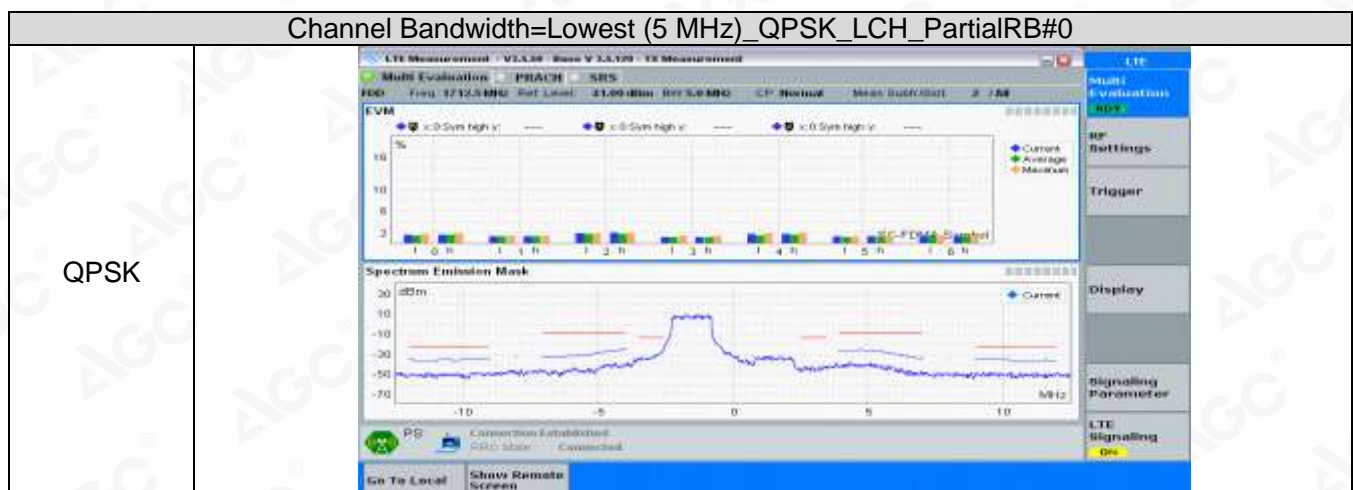


Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullIRB#0



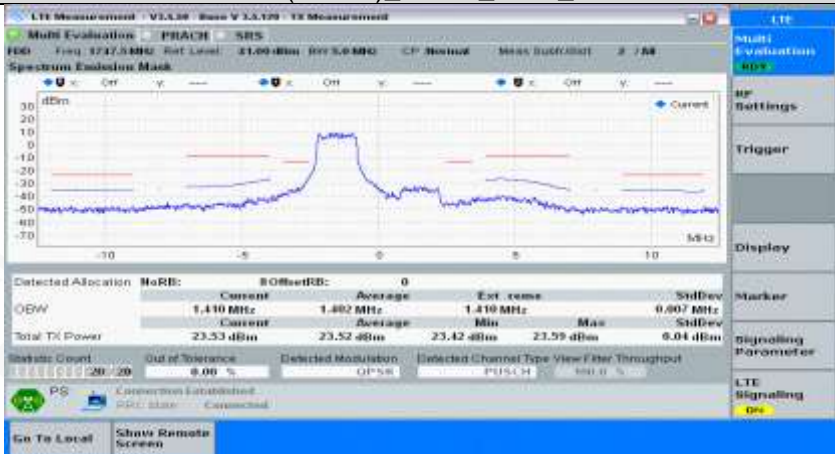


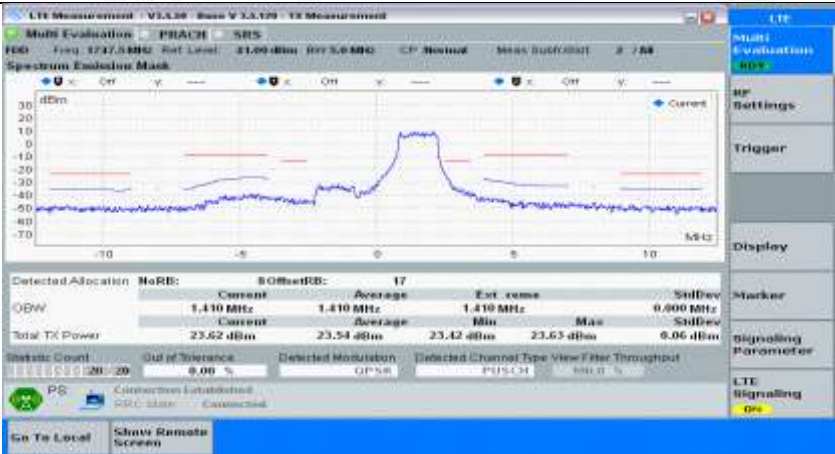

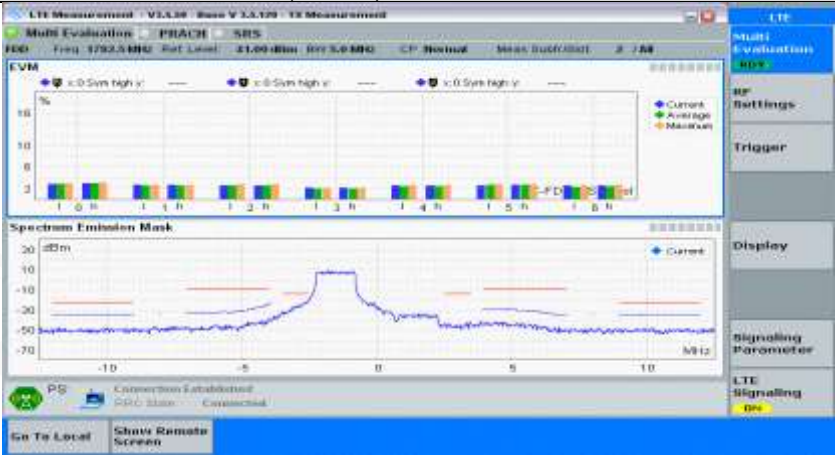
Channel Bandwidth= (5 MHz)

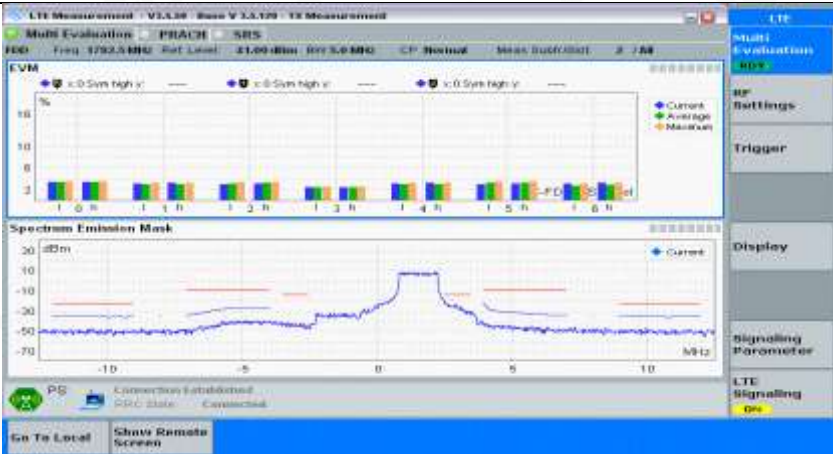
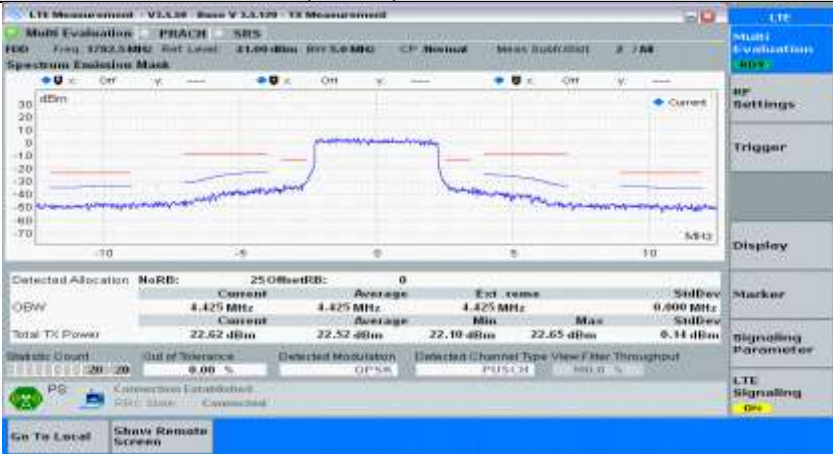
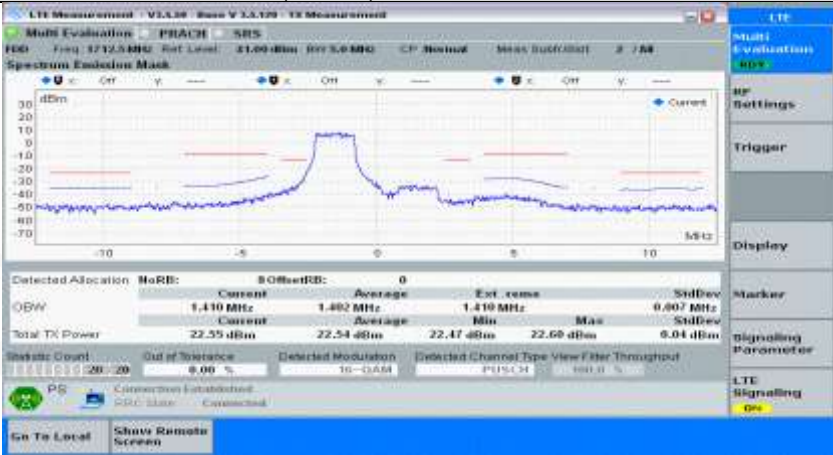
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

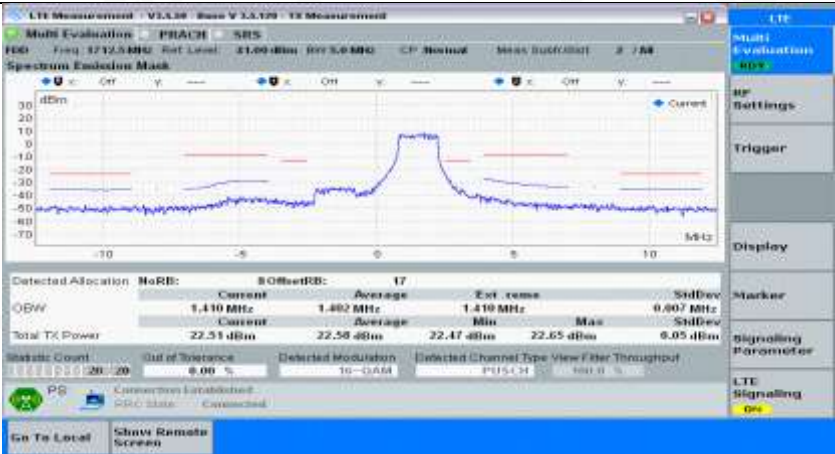
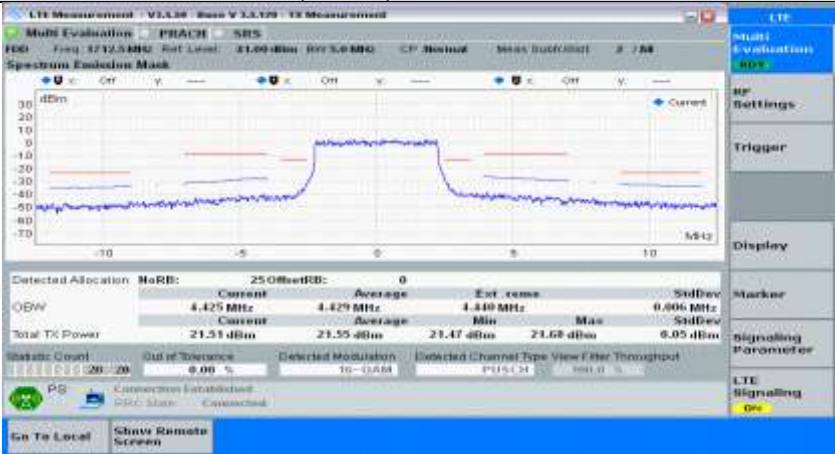
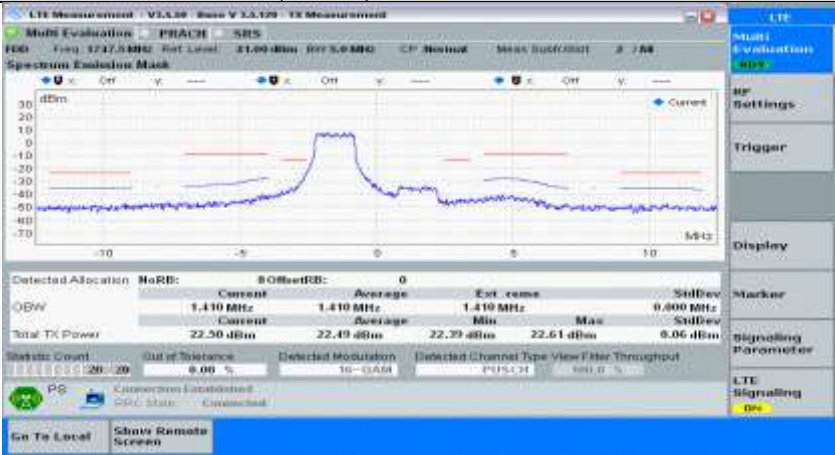


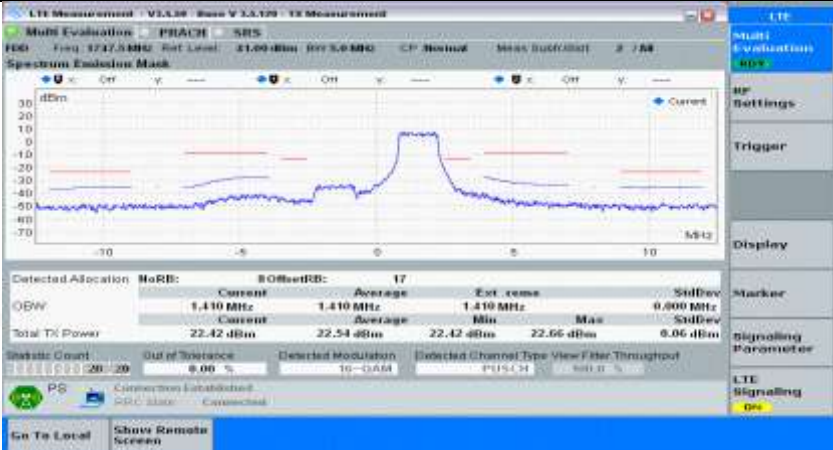
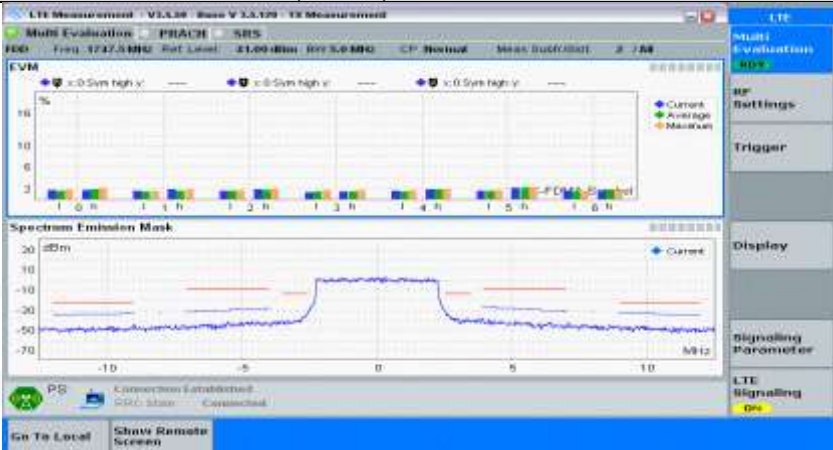
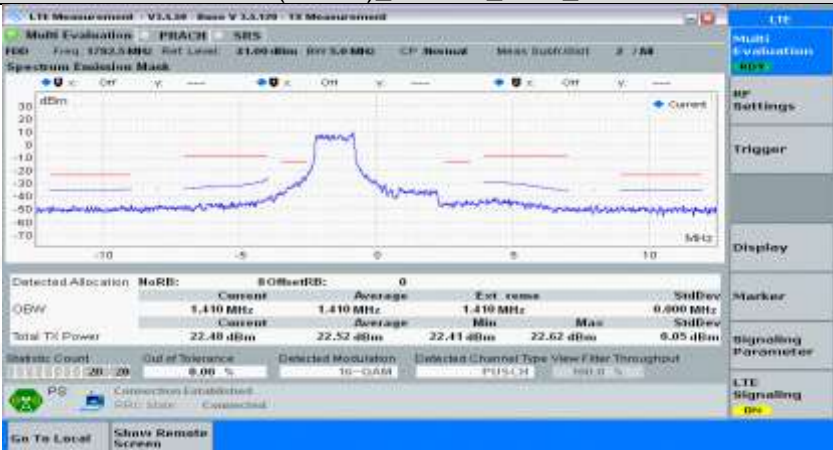
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max

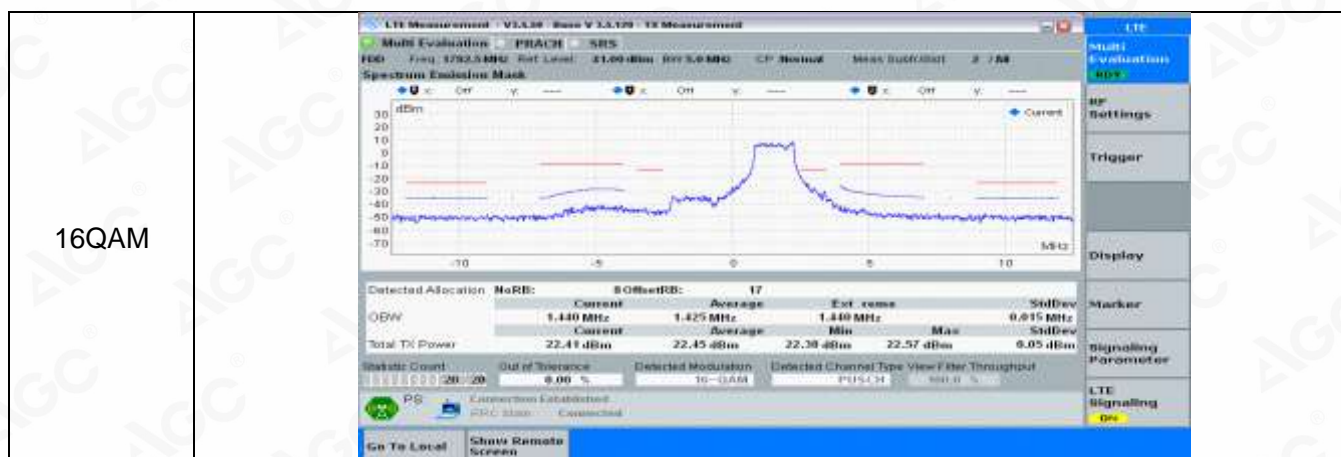
QPSK																			
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0																			
QPSK																			
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0																			
QPSK	 <table data-bbox="462 1476 1300 1588"><tr><th>Detected Allocation</th><th>MinRB</th><th>Current</th><th>Average</th><th>Ext. reme</th><th>SidBw</th></tr><tr><td>QBW</td><td>1.410 MHz</td><td>1.402 MHz</td><td>1.410 MHz</td><td>0.007 MHz</td><td></td></tr><tr><td>Total TX Power</td><td>23.53 dBm</td><td>23.52 dBm</td><td>23.42 dBm</td><td>23.59 dBm</td><td>0.04 dBm</td></tr></table>	Detected Allocation	MinRB	Current	Average	Ext. reme	SidBw	QBW	1.410 MHz	1.402 MHz	1.410 MHz	0.007 MHz		Total TX Power	23.53 dBm	23.52 dBm	23.42 dBm	23.59 dBm	0.04 dBm
Detected Allocation	MinRB	Current	Average	Ext. reme	SidBw														
QBW	1.410 MHz	1.402 MHz	1.410 MHz	0.007 MHz															
Total TX Power	23.53 dBm	23.52 dBm	23.42 dBm	23.59 dBm	0.04 dBm														
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max																			

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

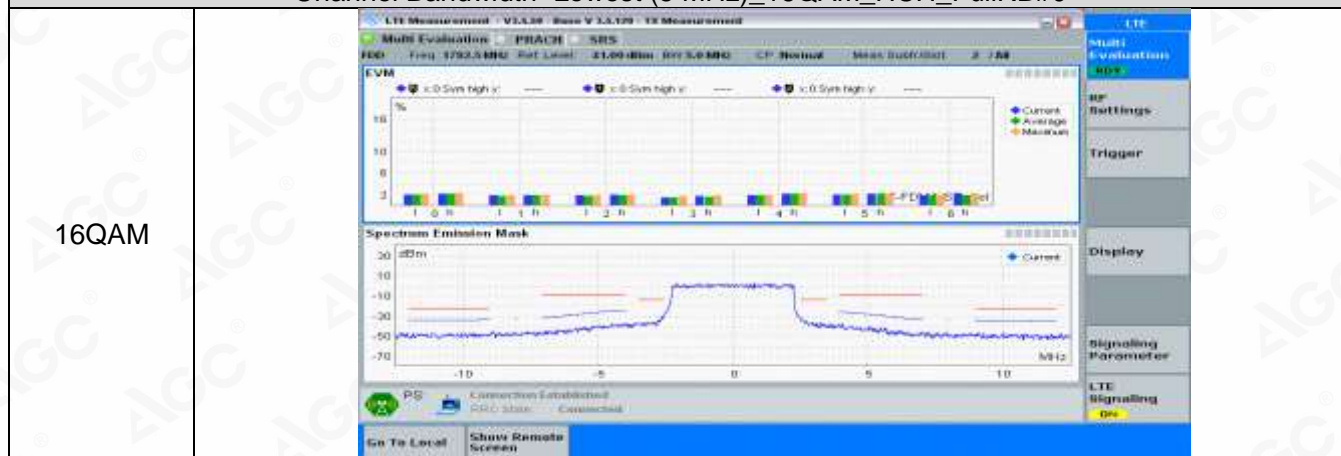
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	

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

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

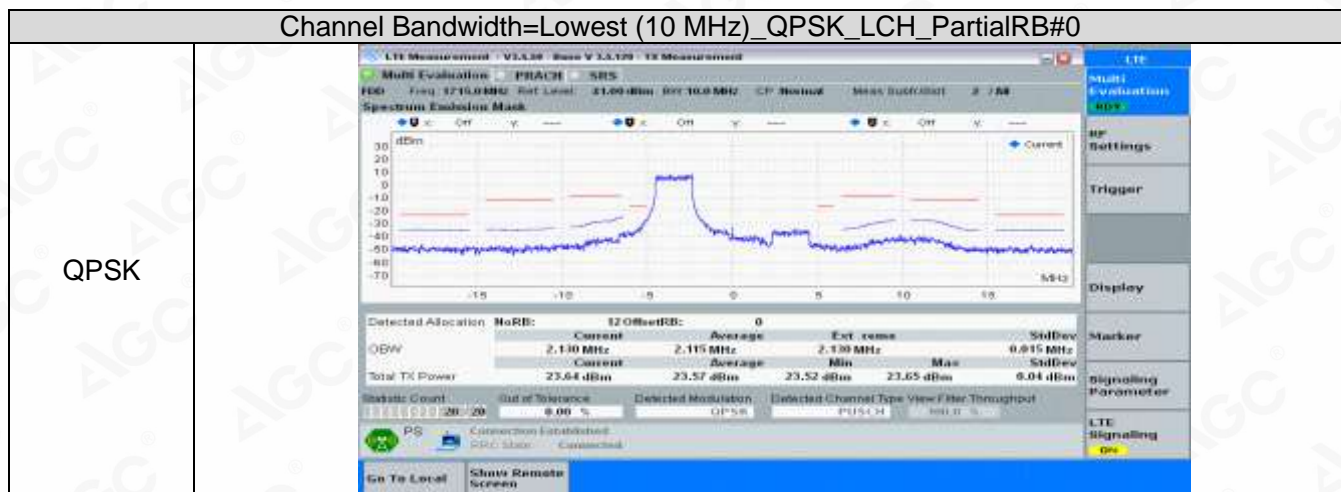


Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0

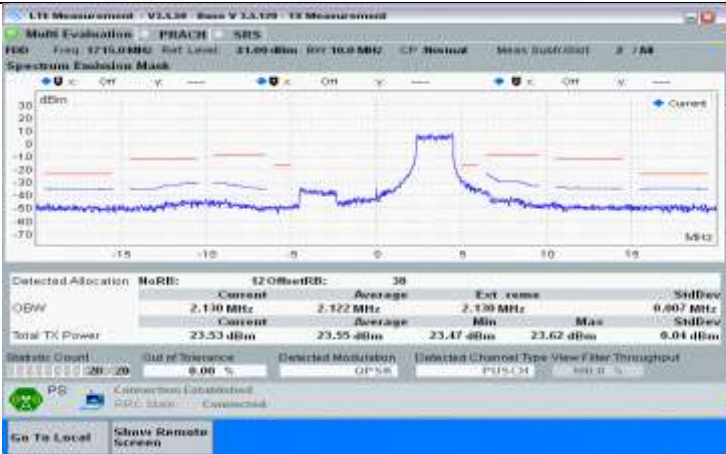
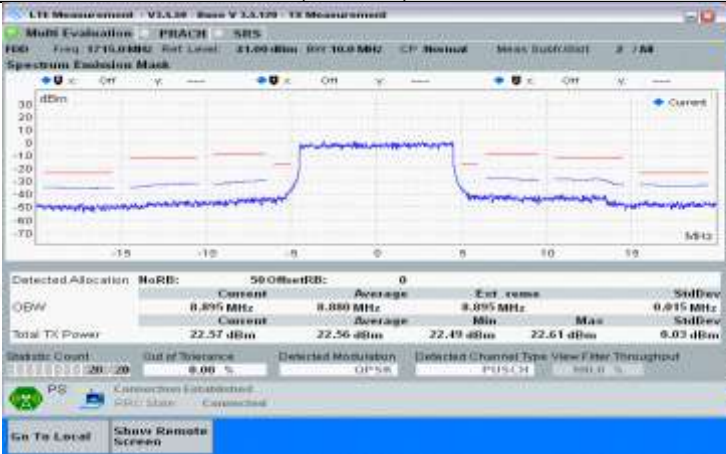
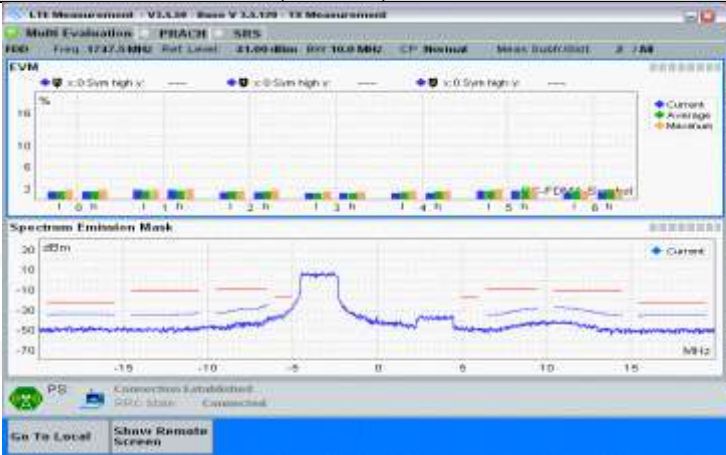


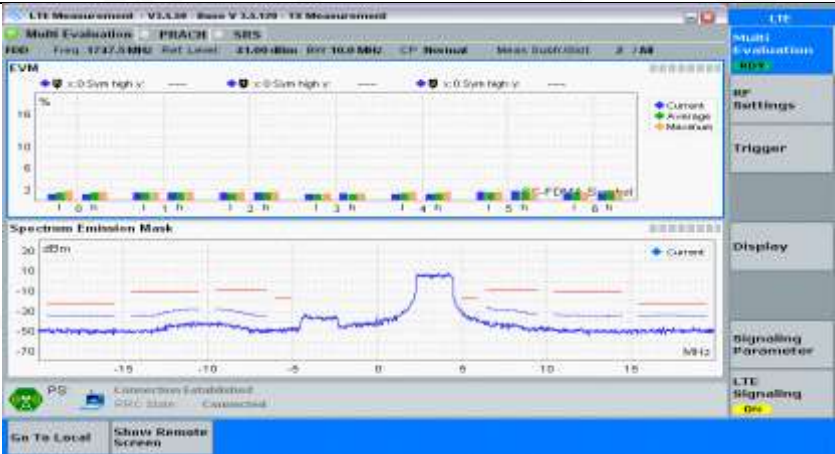
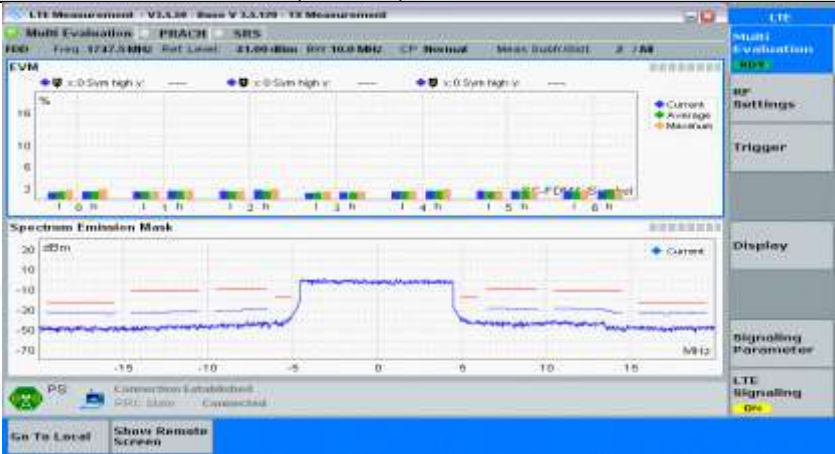
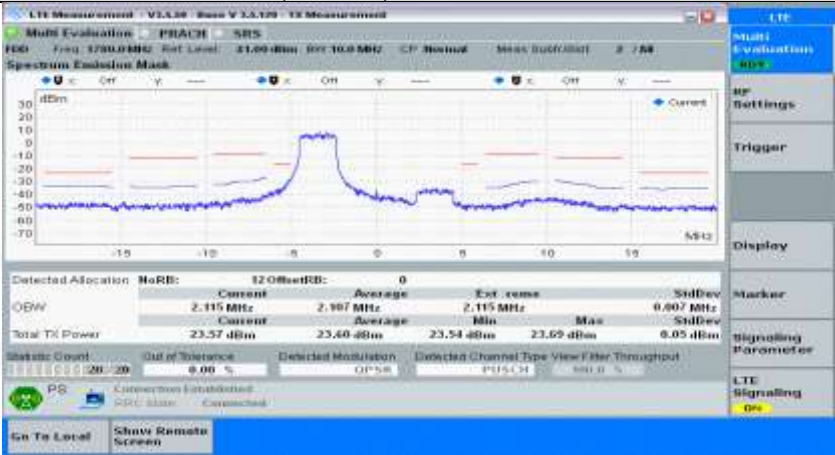
Channel Bandwidth= (10 MHz)

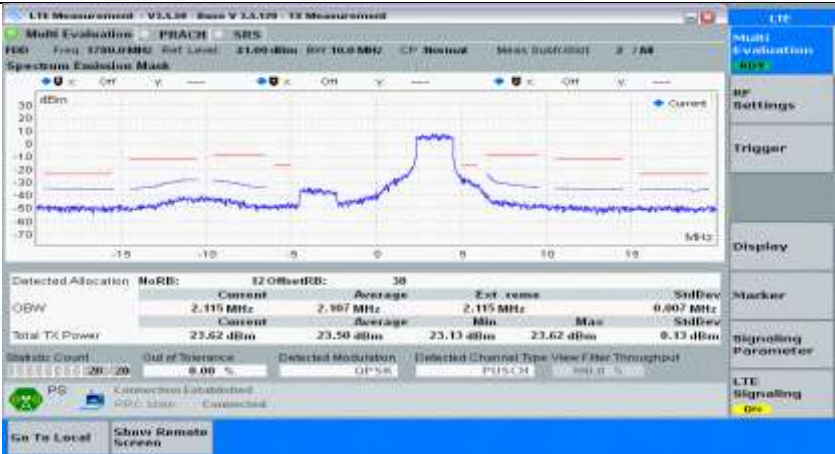
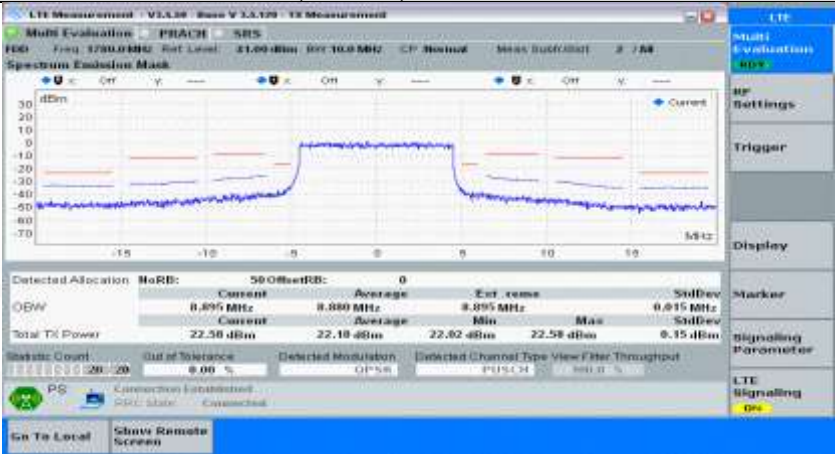
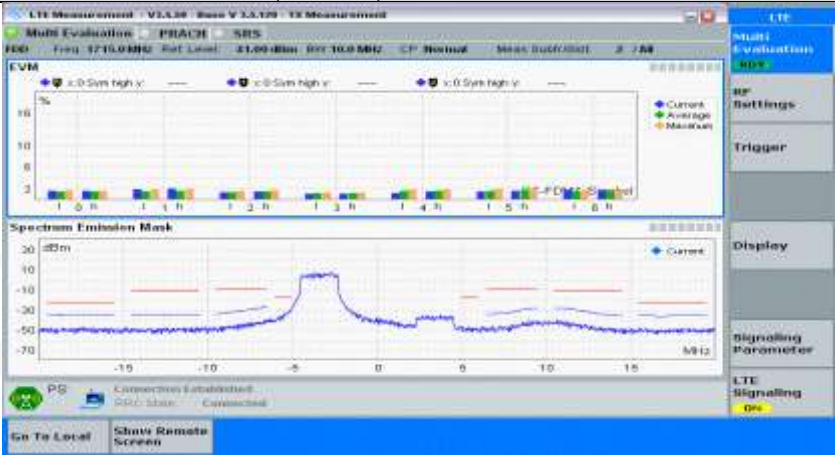
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

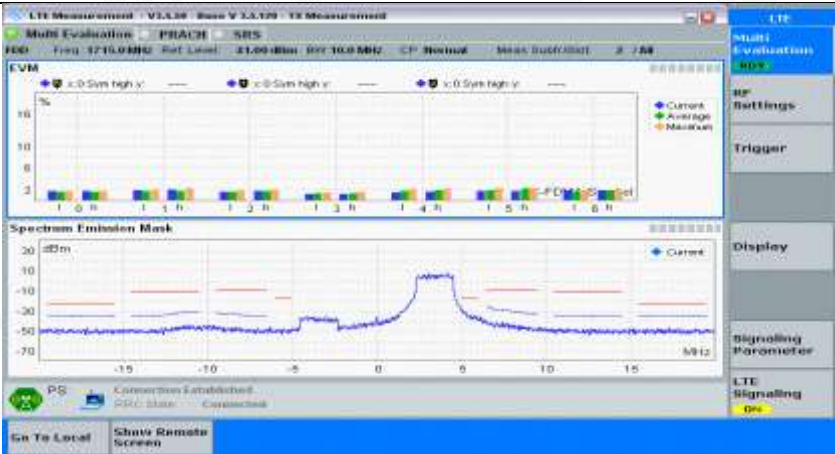
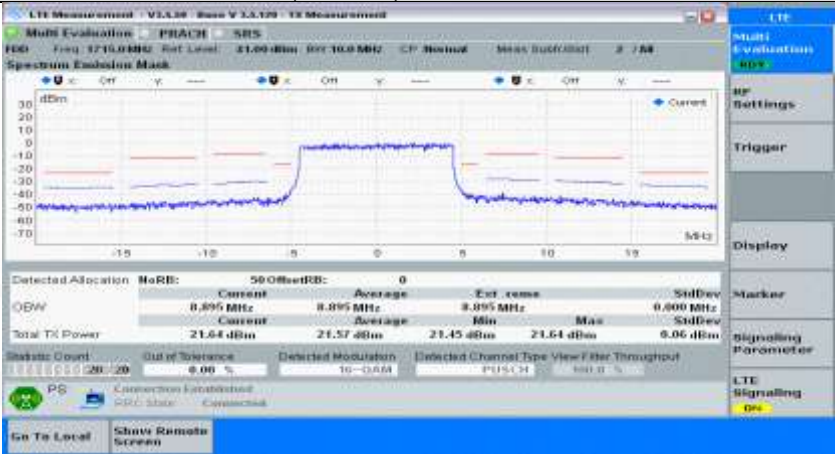
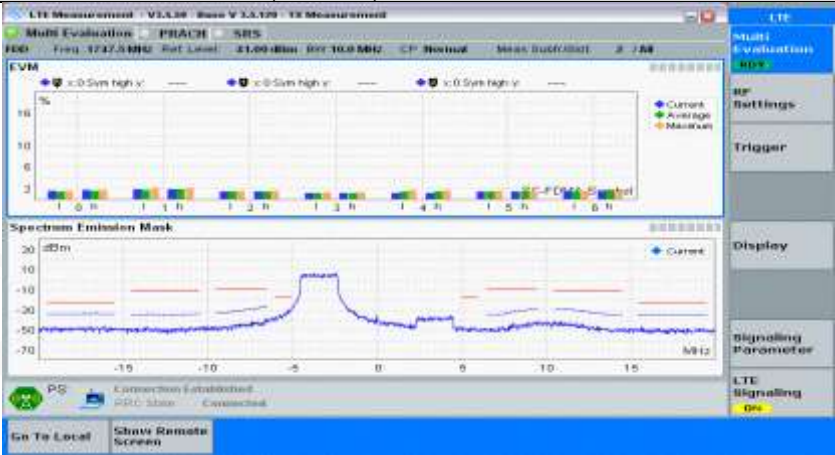


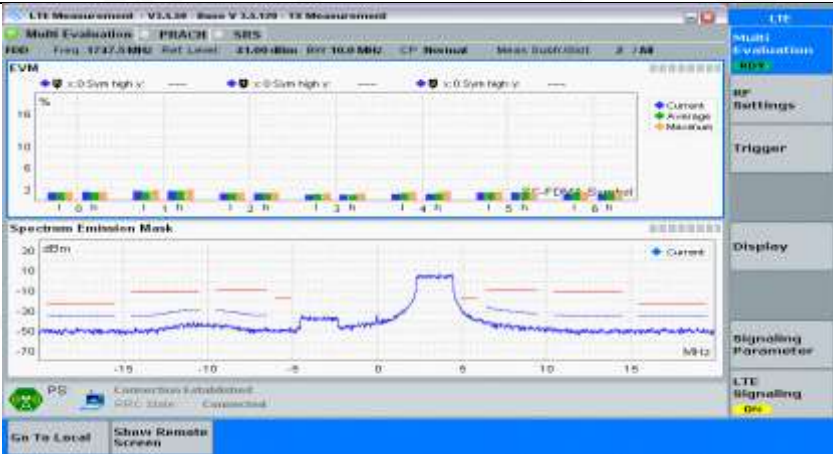
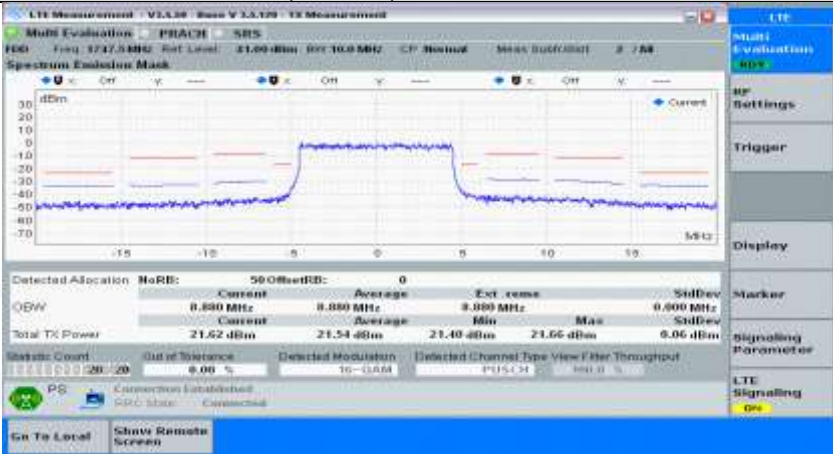
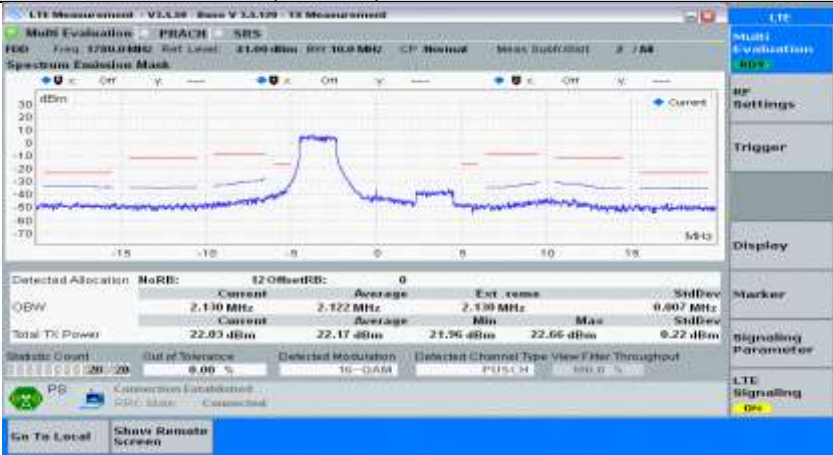
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max

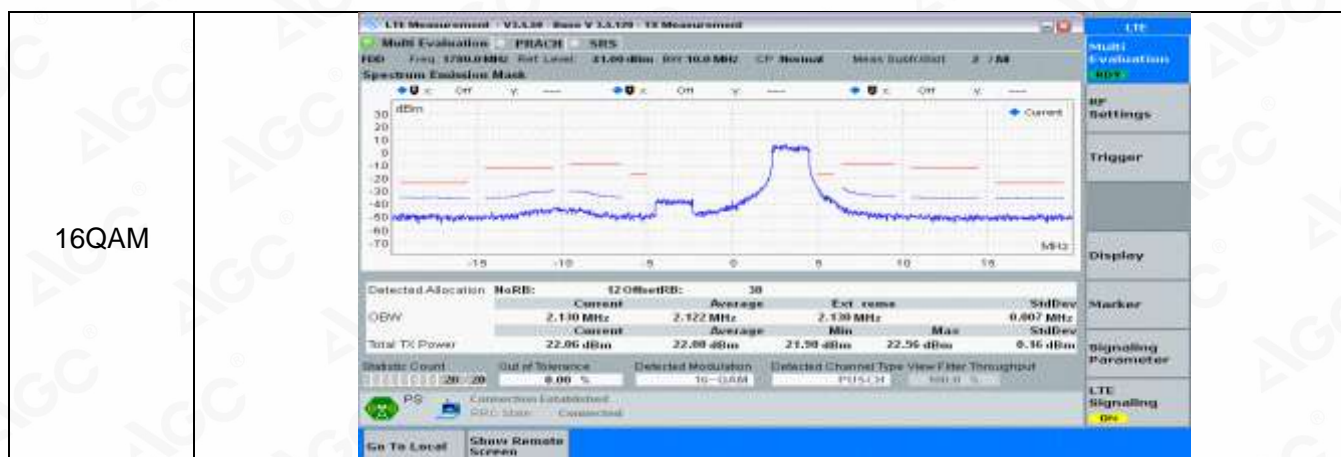
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	

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

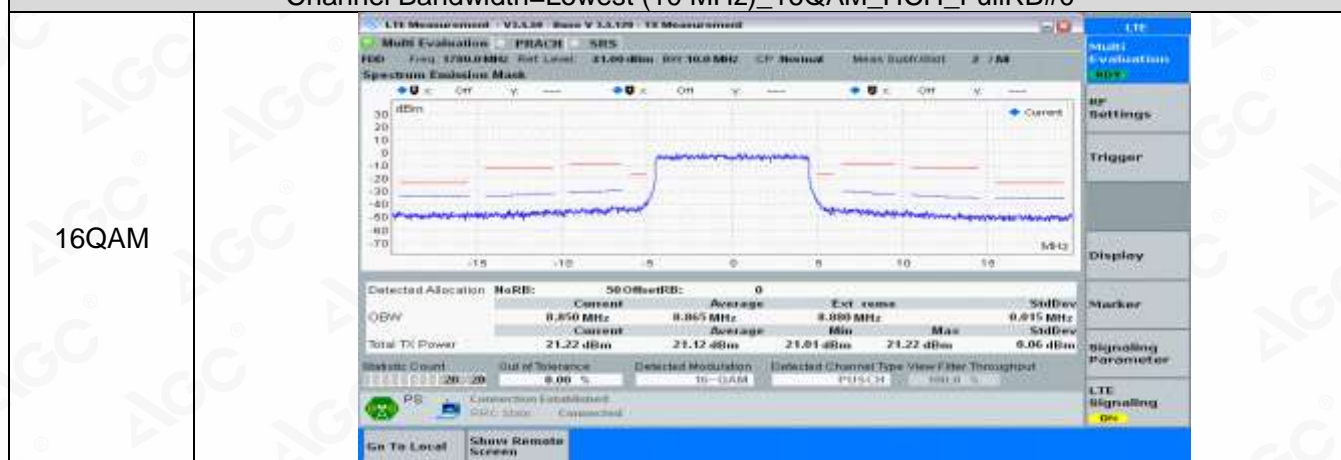
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	

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

16QAM	
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	

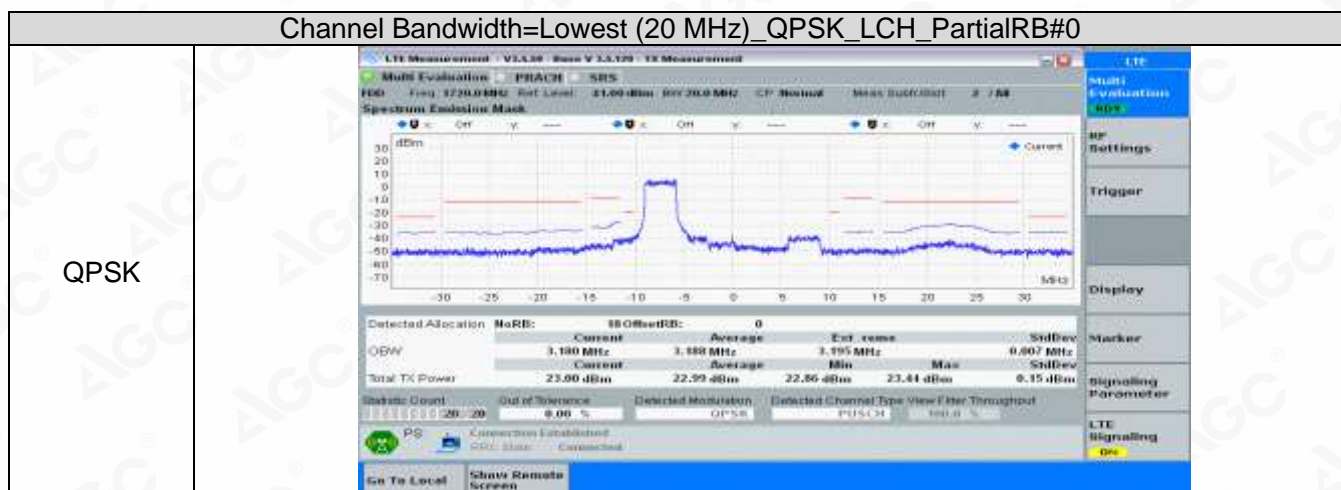


Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0

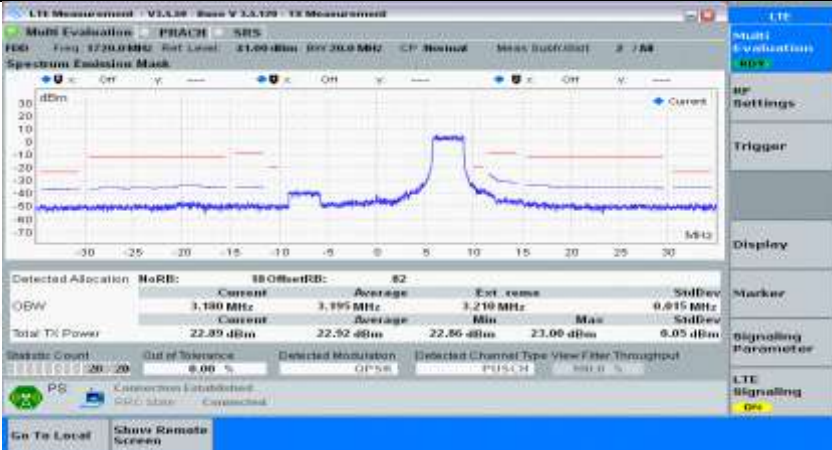
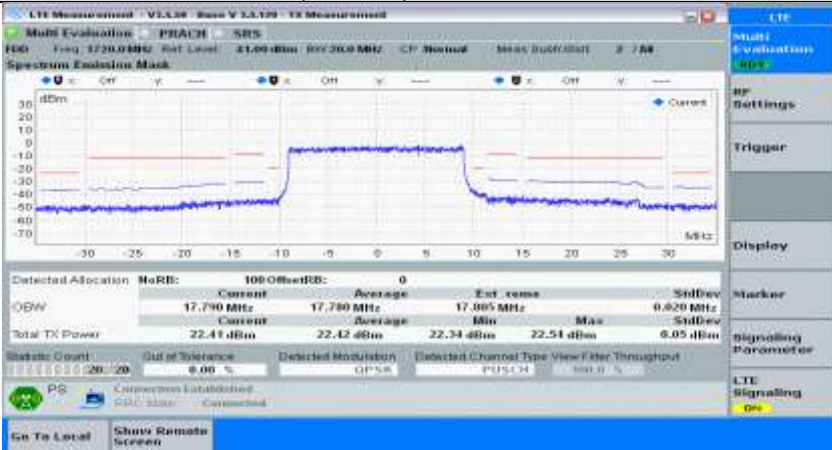
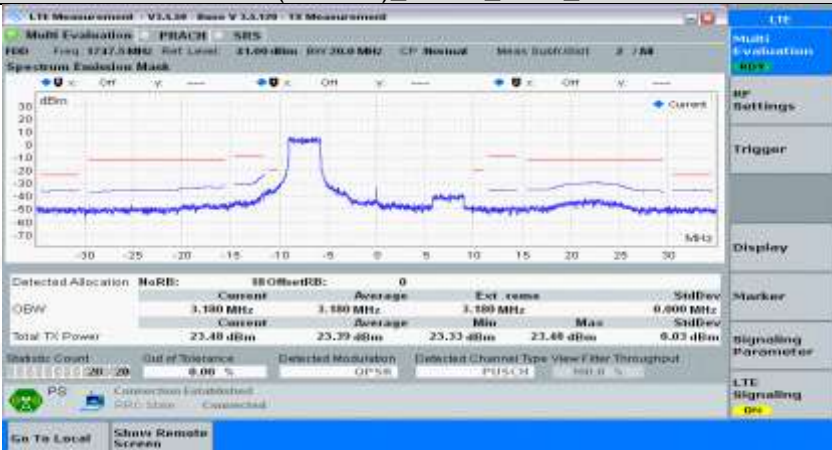


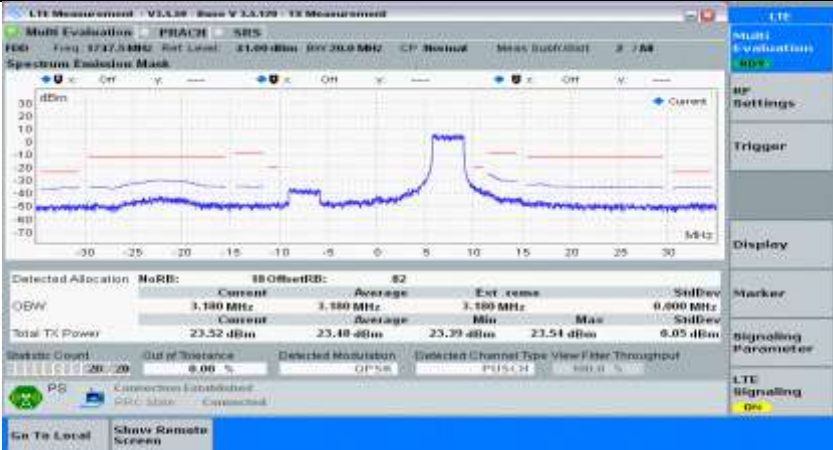
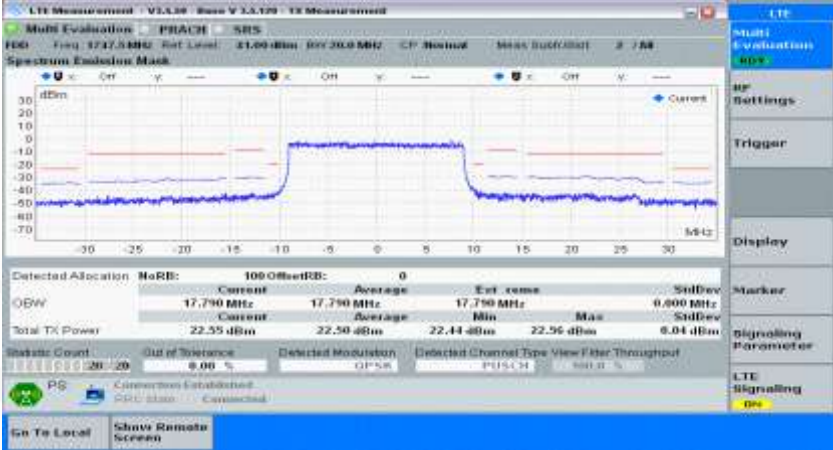
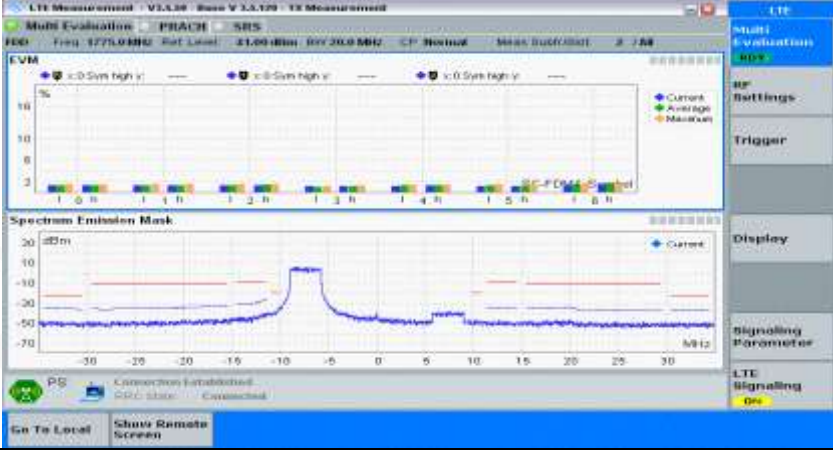
Channel Bandwidth=Highest (20 MHz)

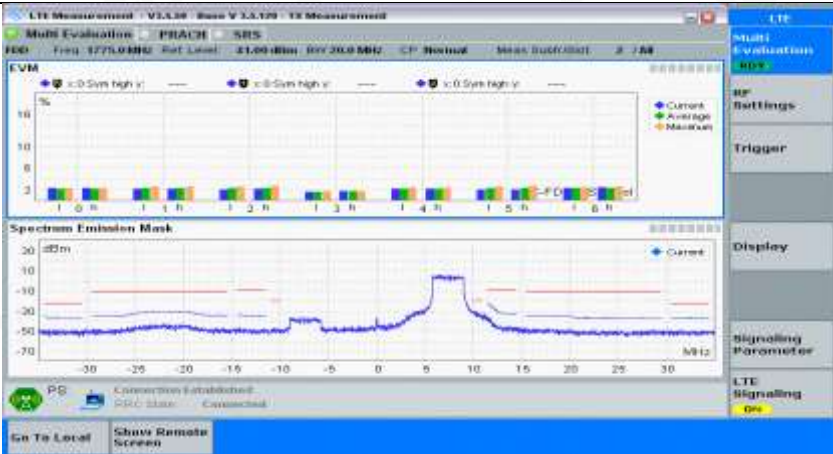
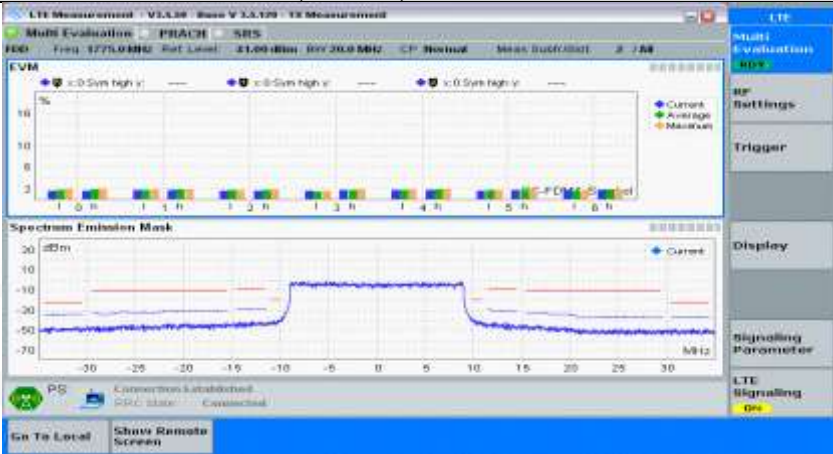
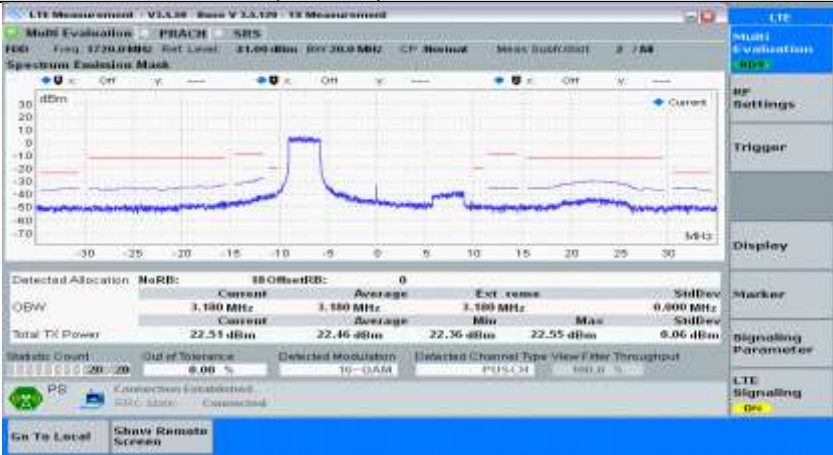
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0

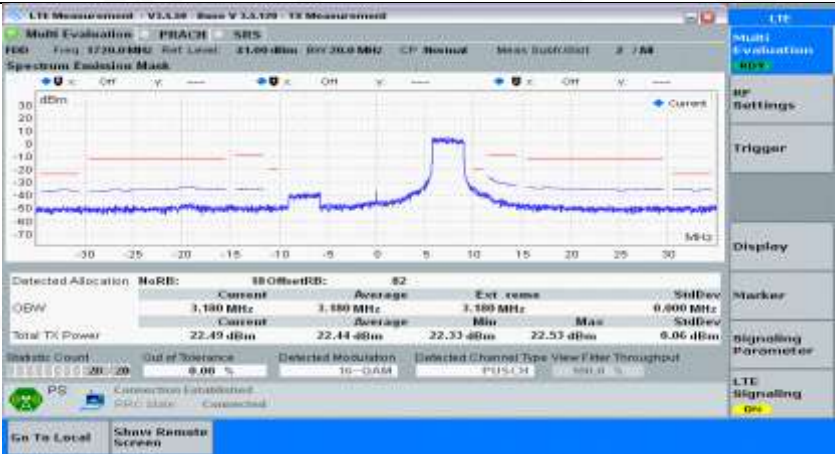
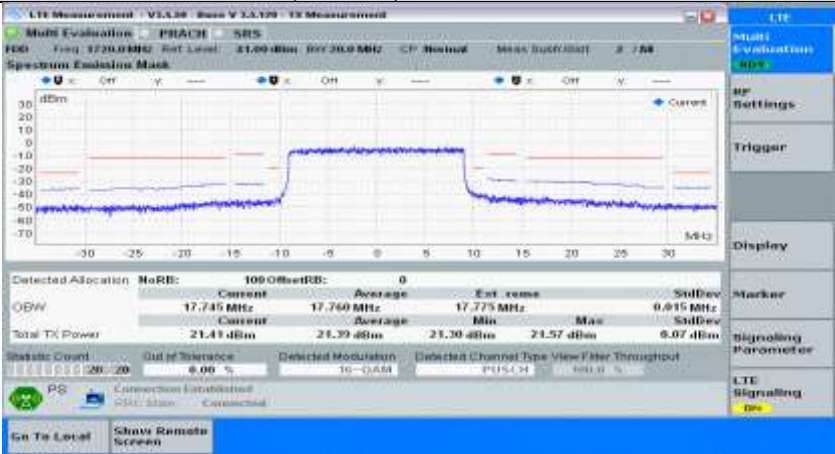
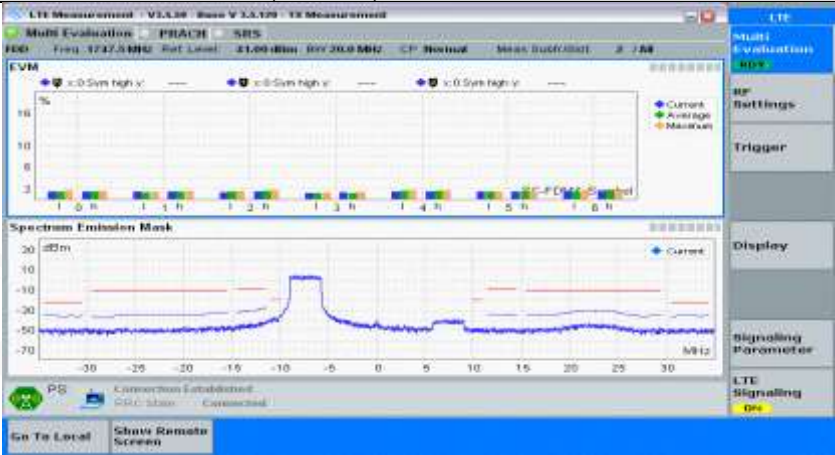


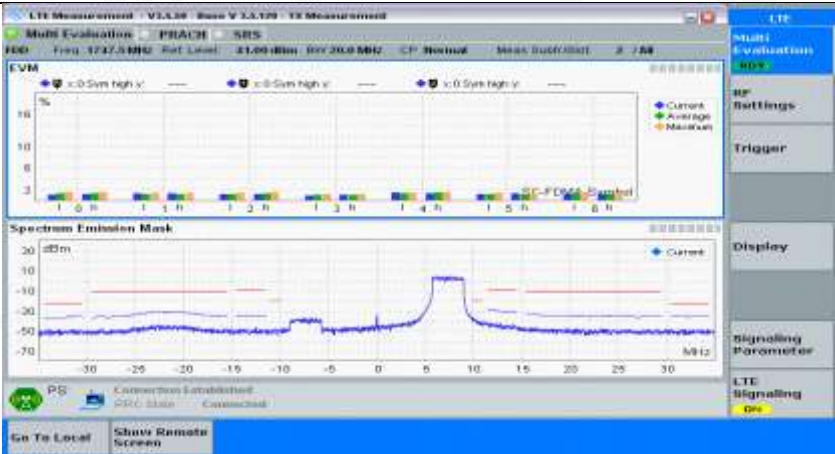
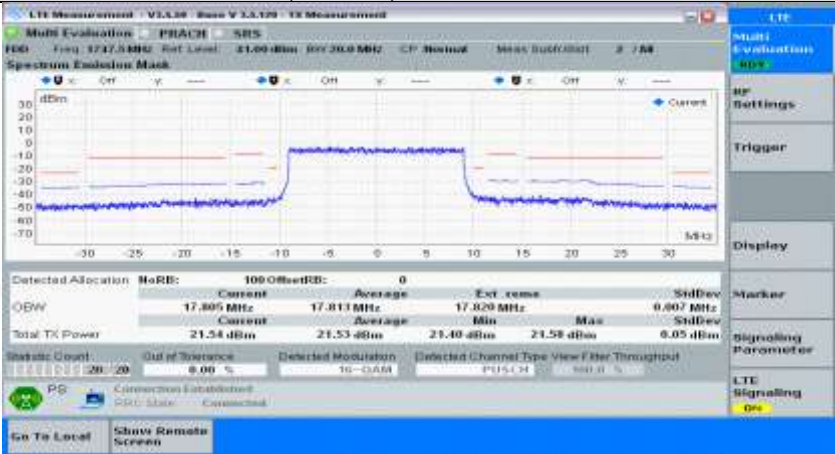
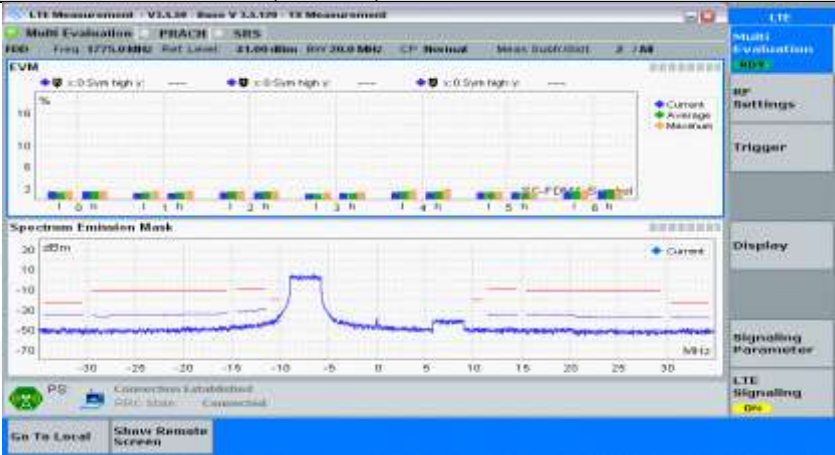
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max

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

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

QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialIRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialIRB#max	

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

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



4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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



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

Channel Bandwidth= (10 MHz)

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

Channel Bandwidth=Highest (20 MHz)

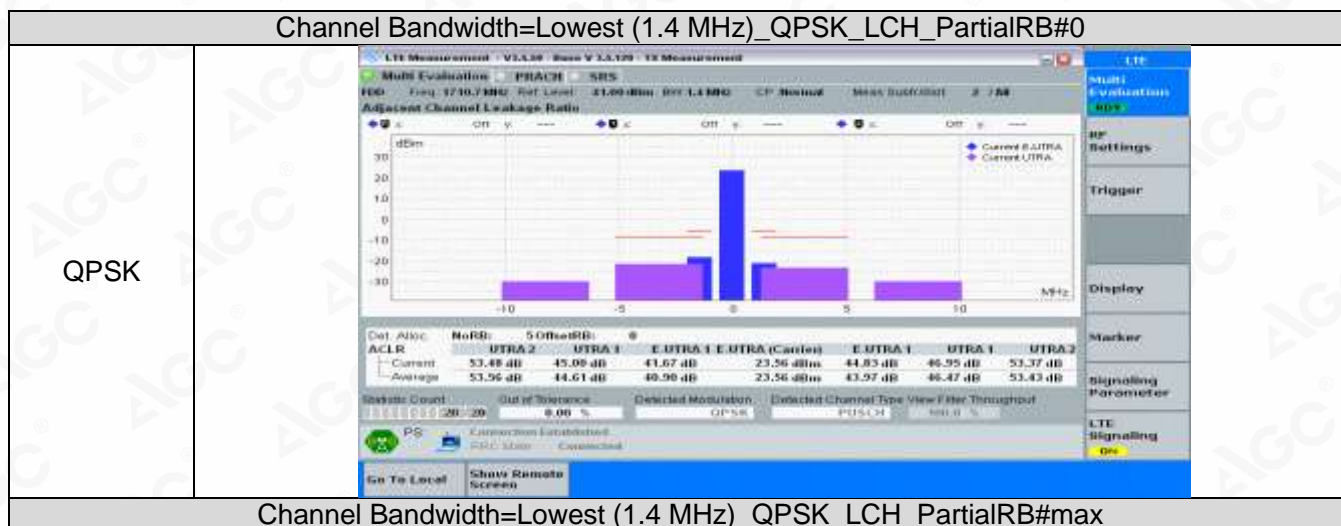
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

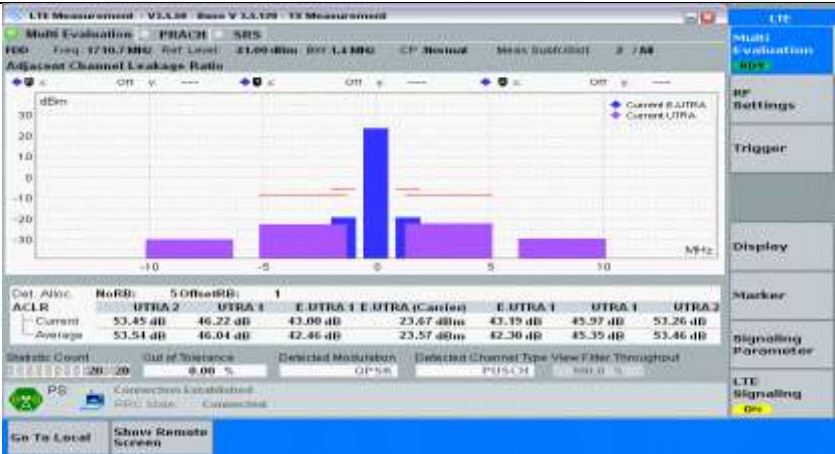
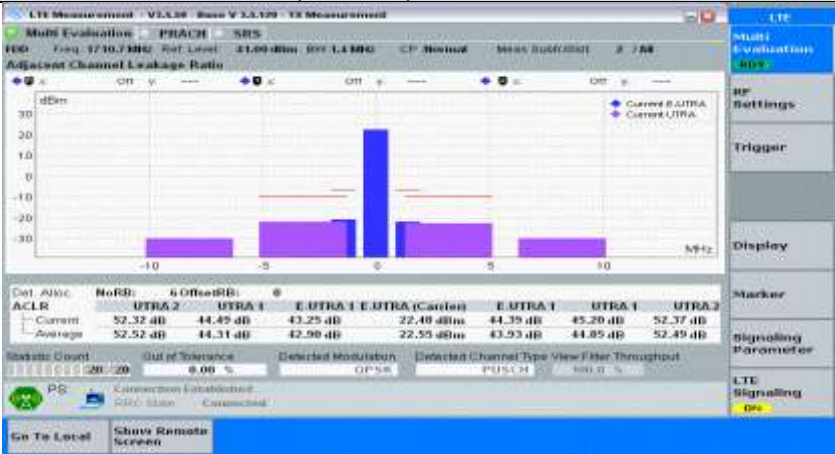

			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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



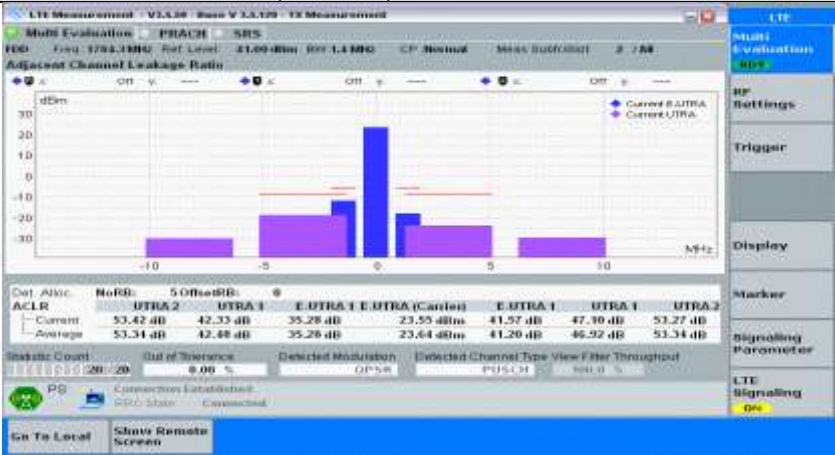
Test Graphs

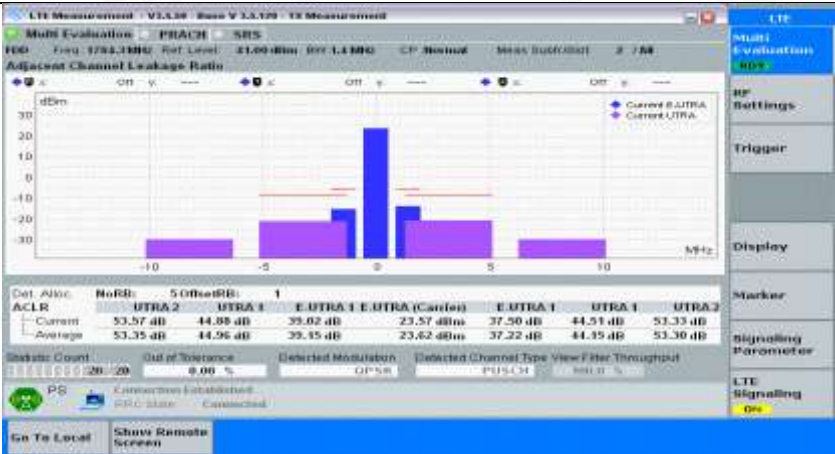
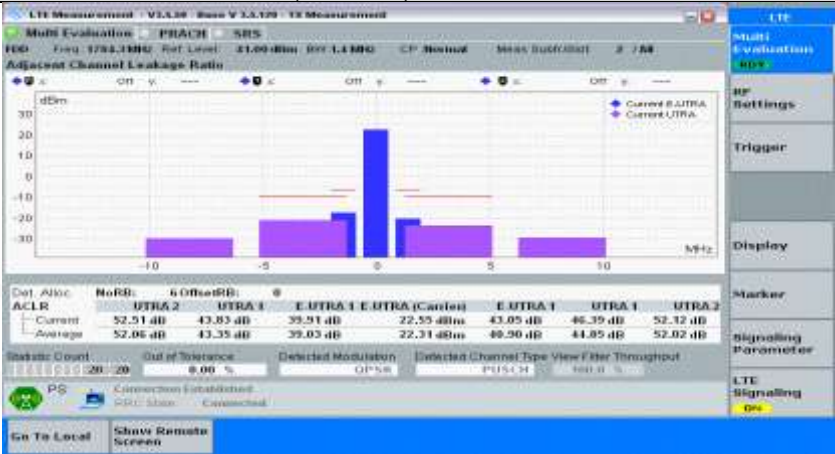
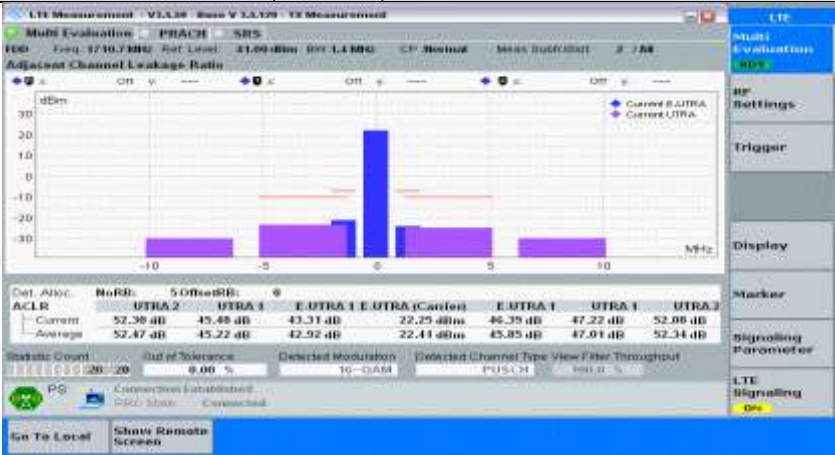
NTNV



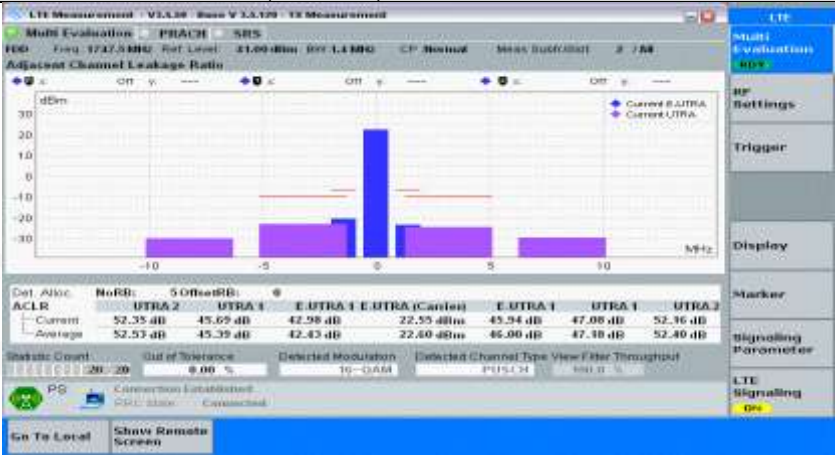
Channel Bandwidth=Lowest (1.4 MHz)



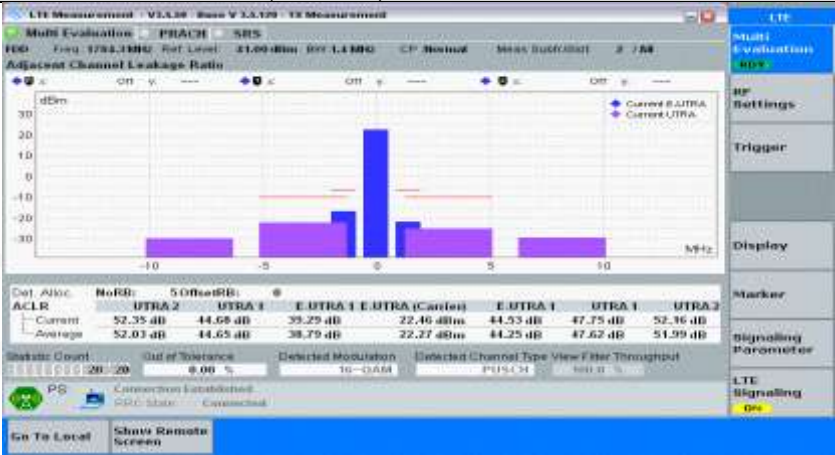


QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max</p>

QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialIRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialIRB#max	

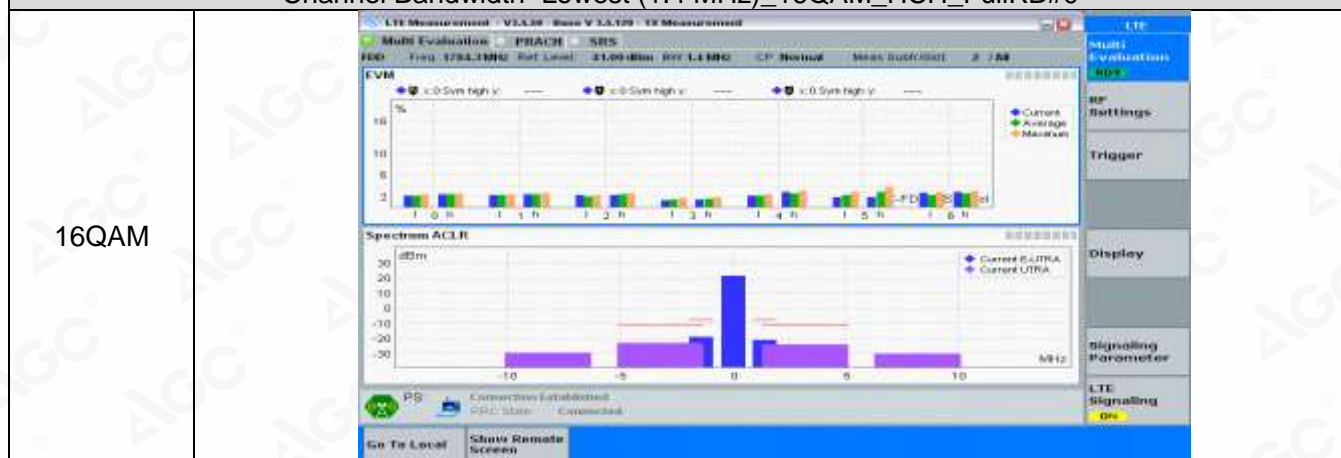
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max</p>

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

16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max</p>

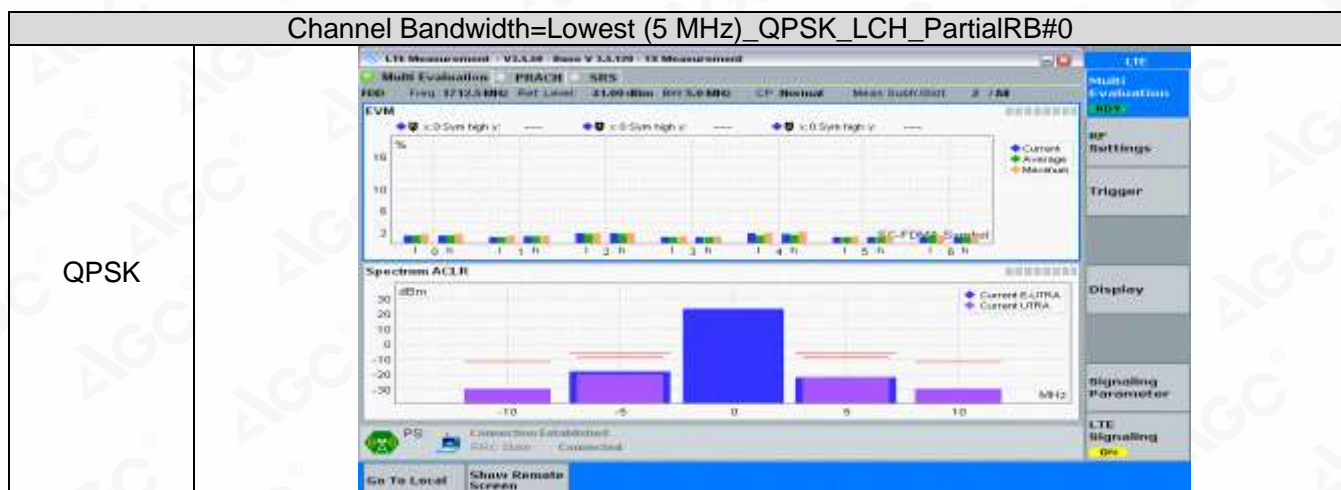


Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0







Channel Bandwidth= (5 MHz)




Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0









Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max

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

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

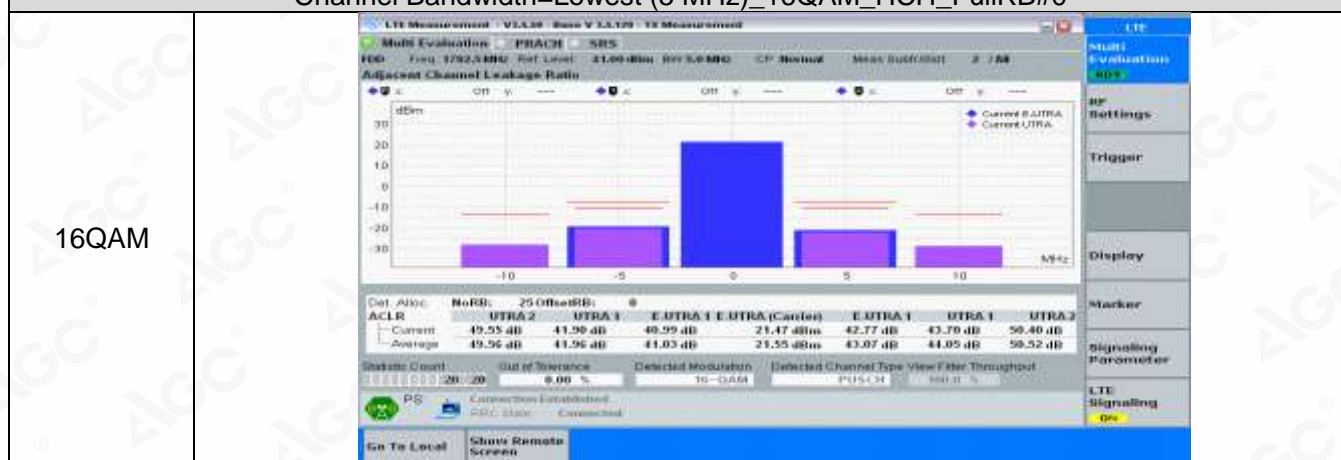
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	

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

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

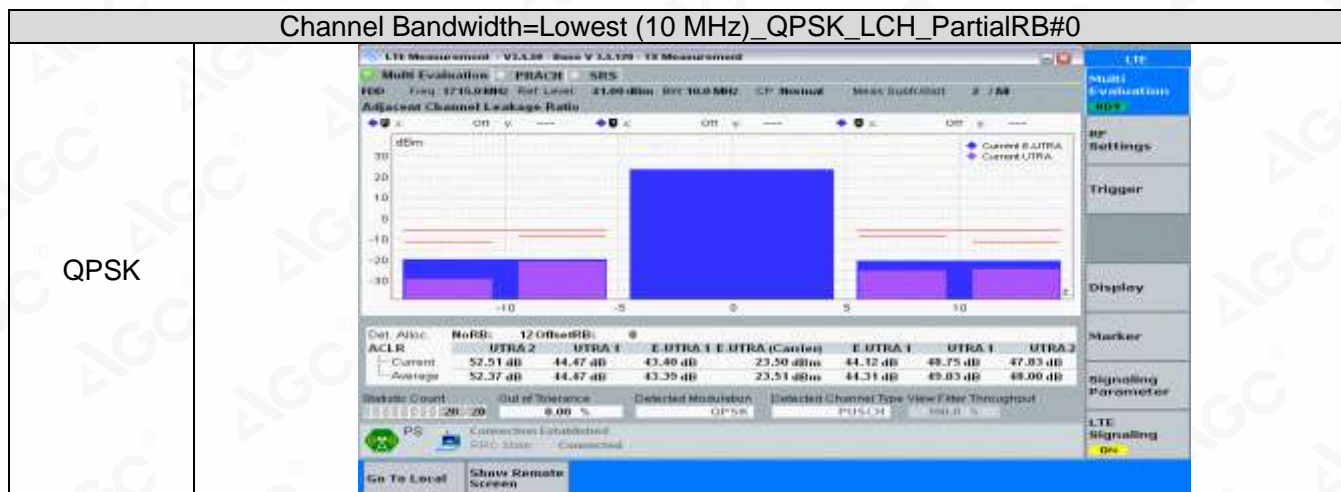


Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0



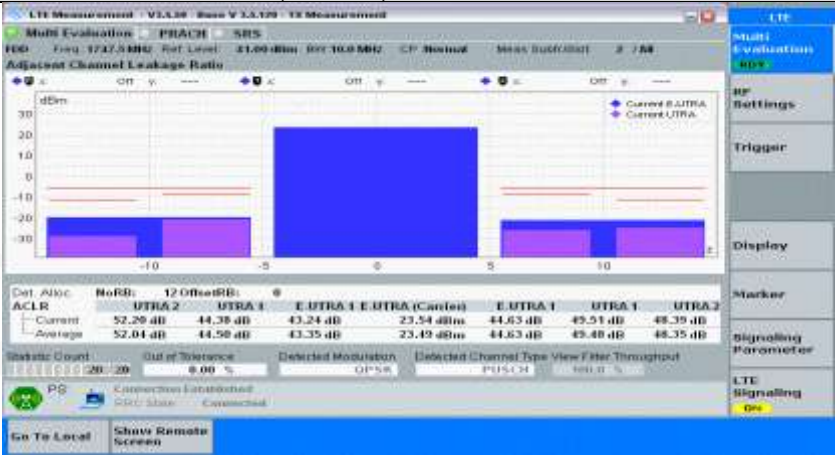




Channel Bandwidth= (10 MHz)




Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0









Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max

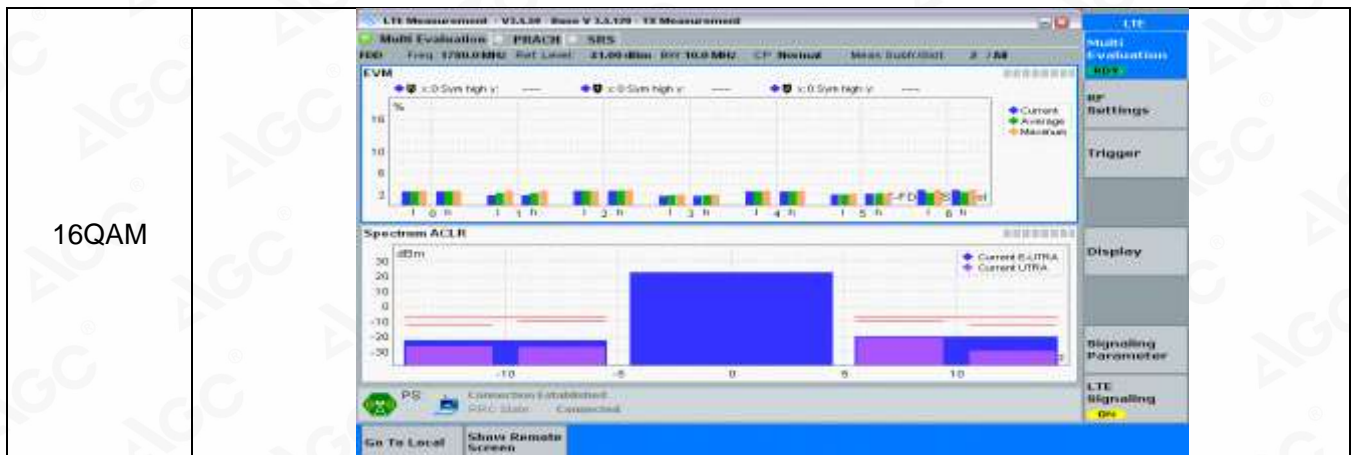
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>

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

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

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

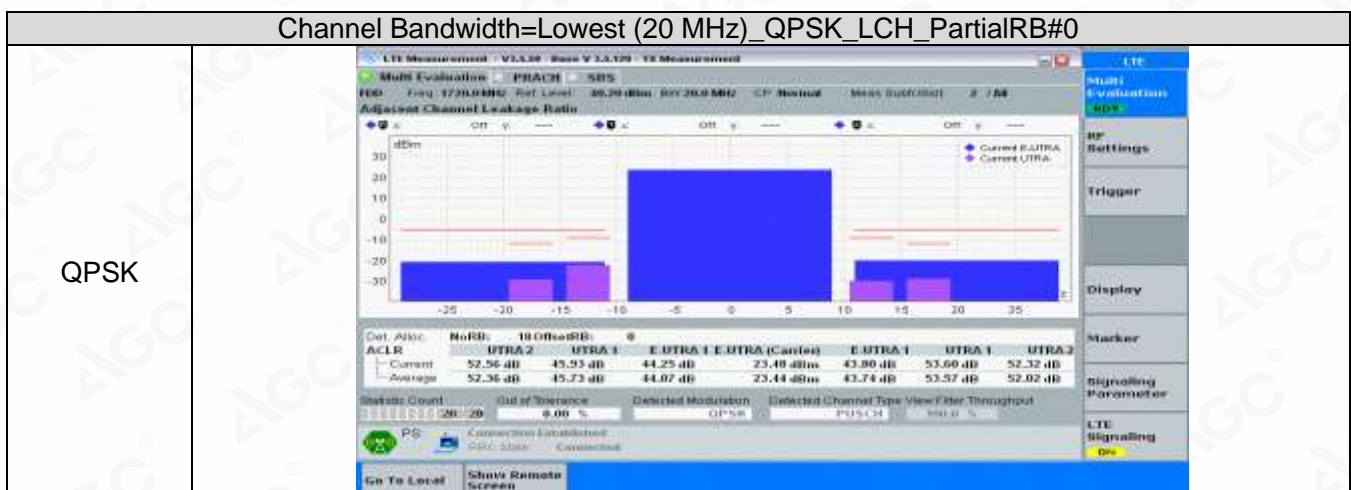
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	





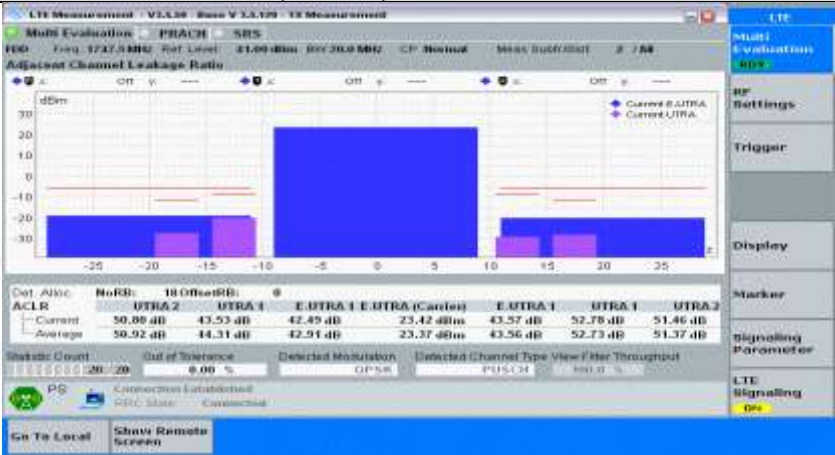
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0

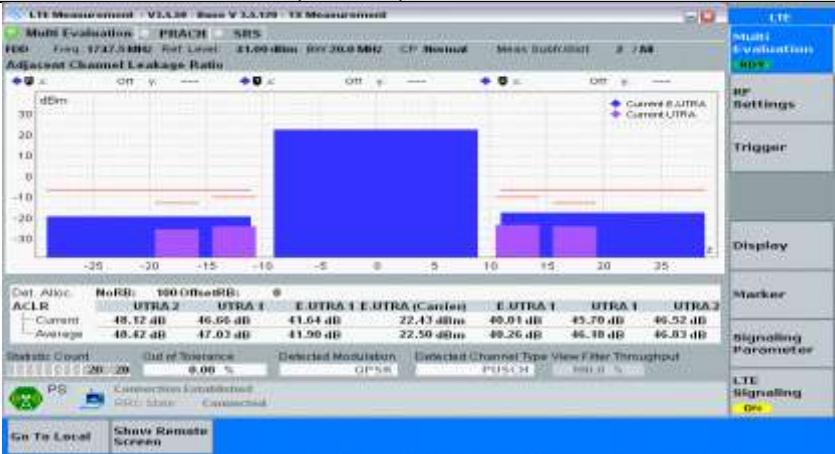




Channel Bandwidth=Highest (20 MHz)


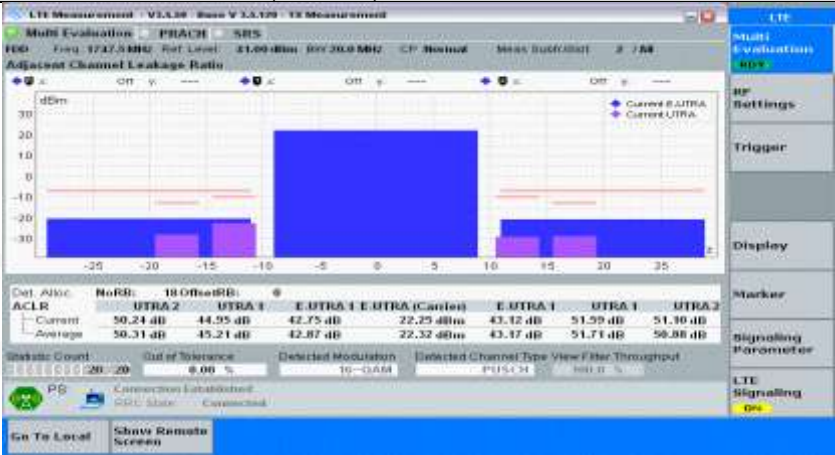



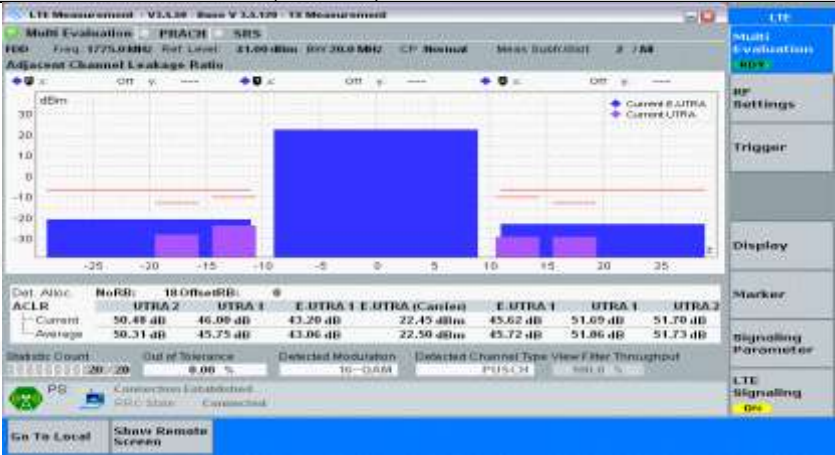
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max



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

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

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

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

16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max	

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

5. Transmitter Spurious Emissions

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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

Channel Bandwidth=Highest (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
						PUMAX	Pass



Attestation of Global Compliance

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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

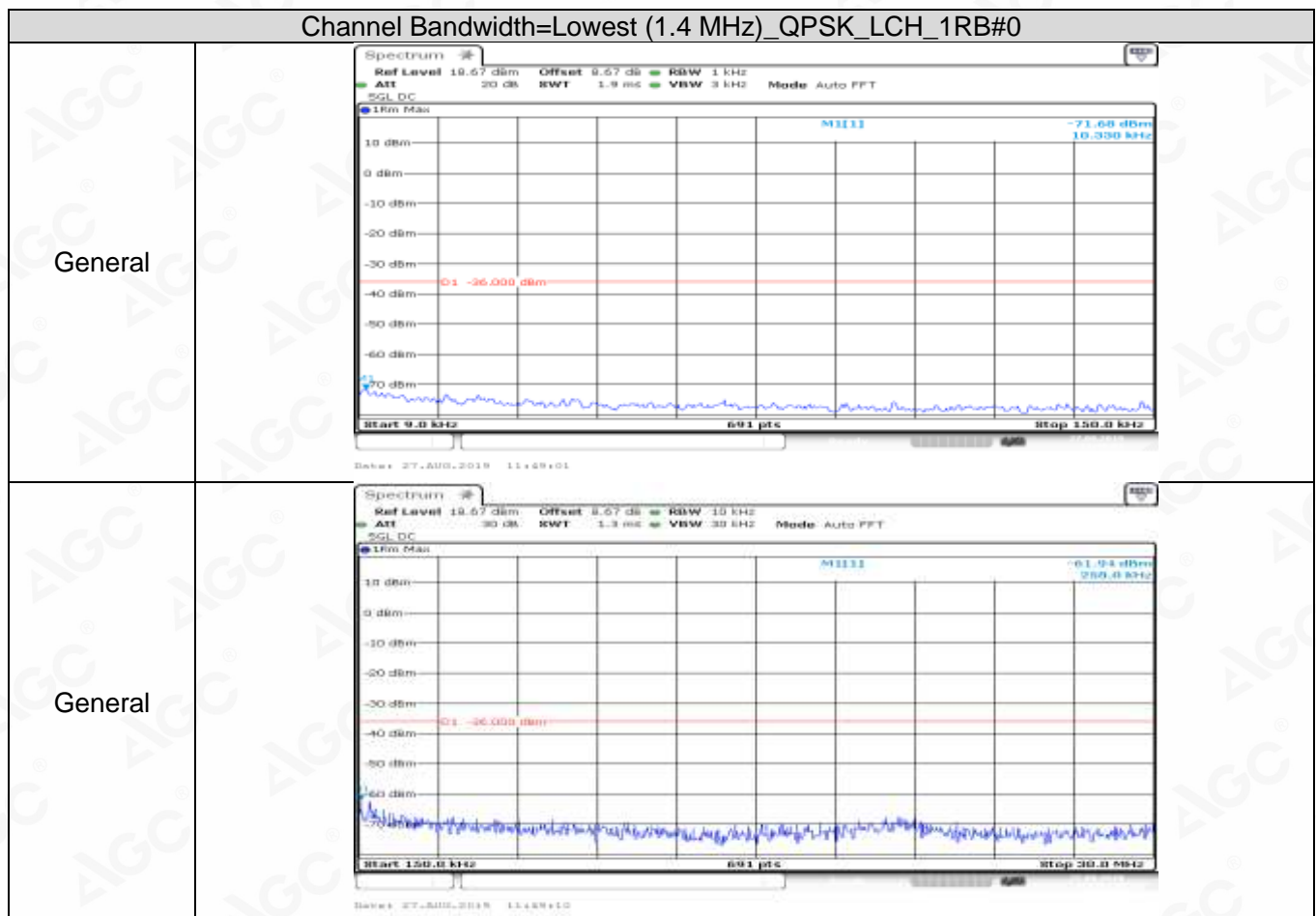
Service Hotline: 400 089 2118

				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)



Attestation of Global Compliance

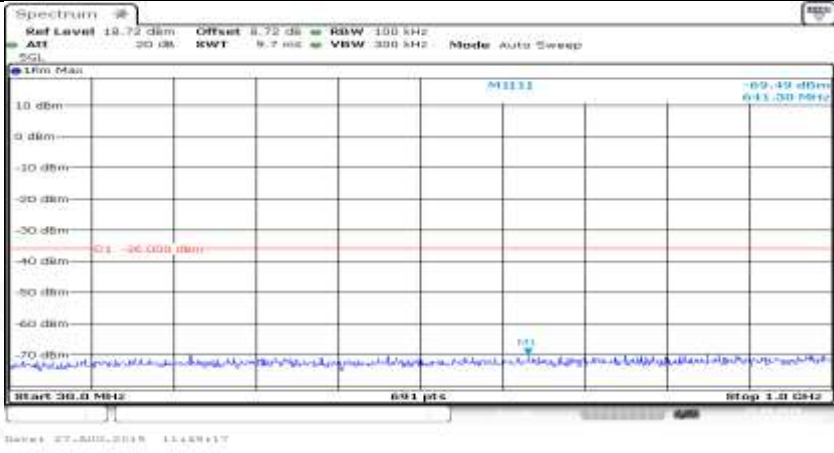
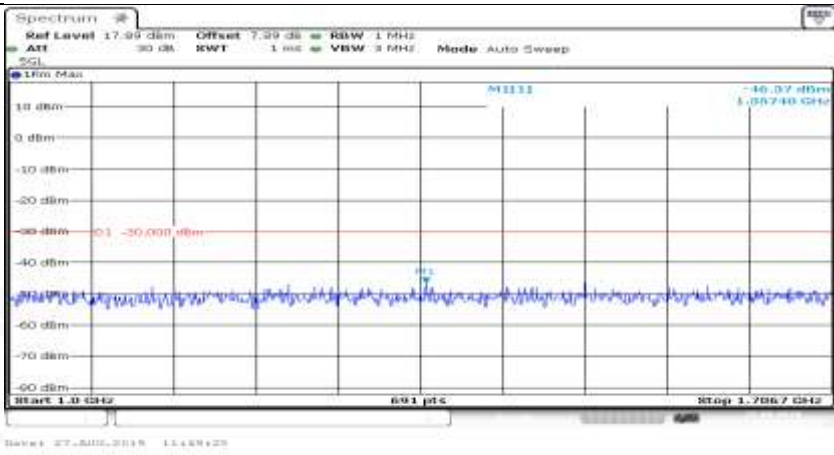
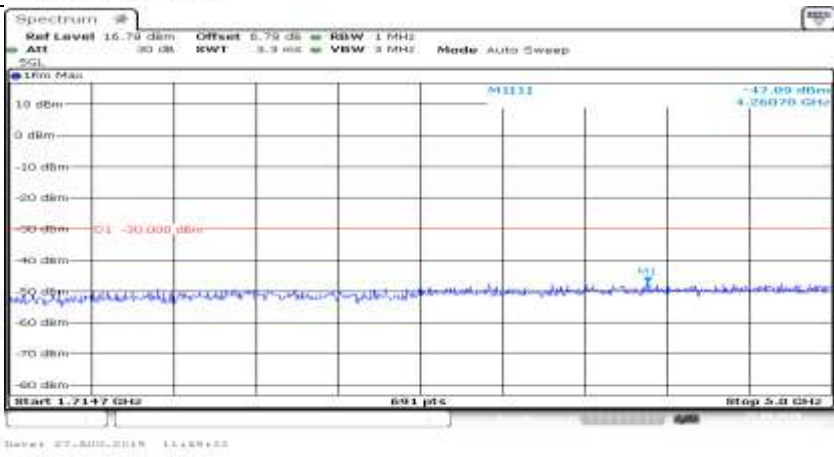
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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

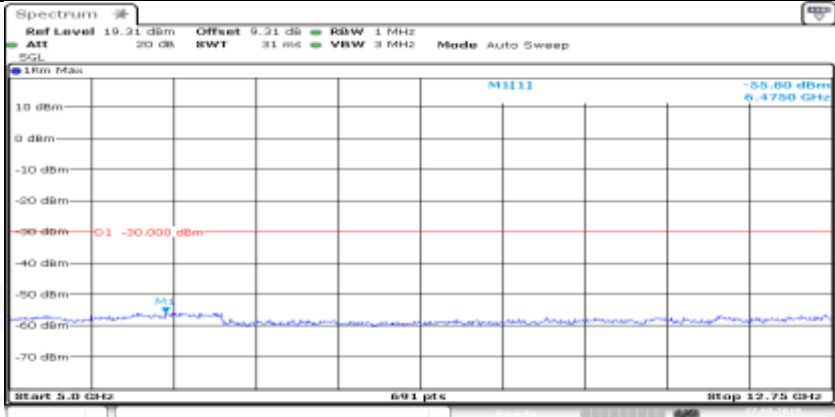
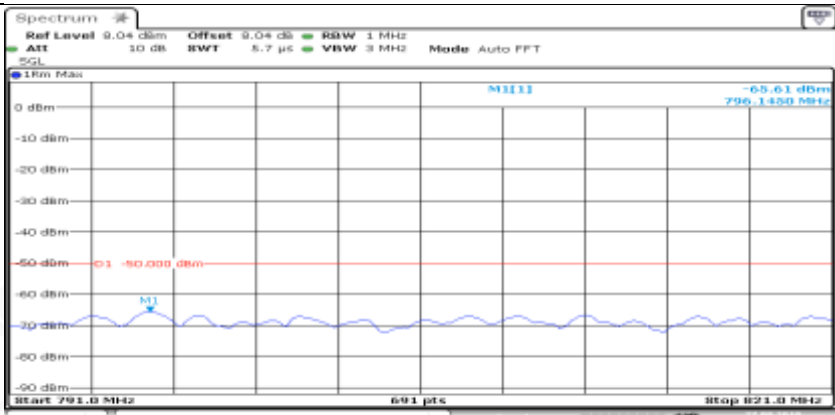

Tel: +86-755 2523 4088


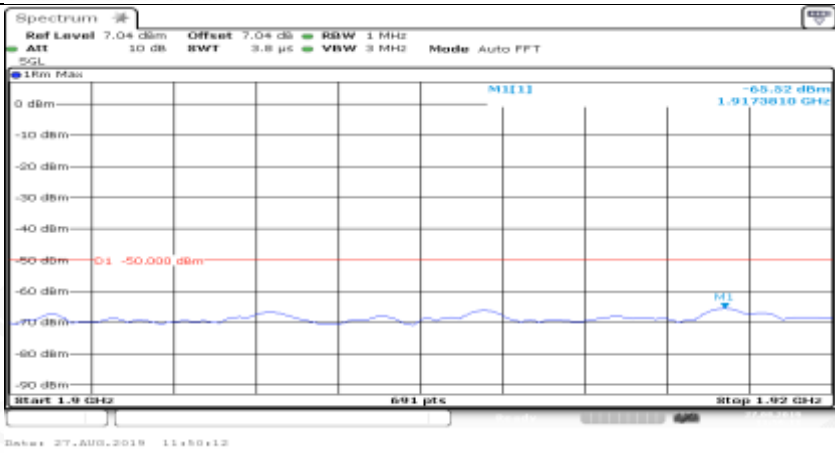
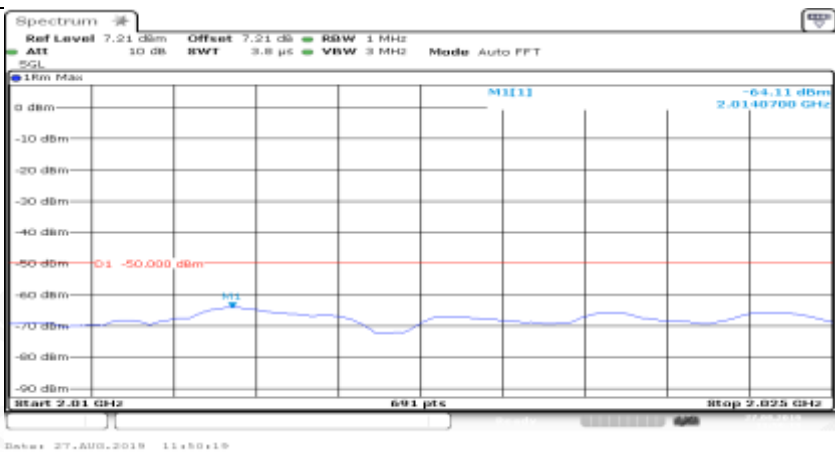
E-mail: agc@agc-cert.com


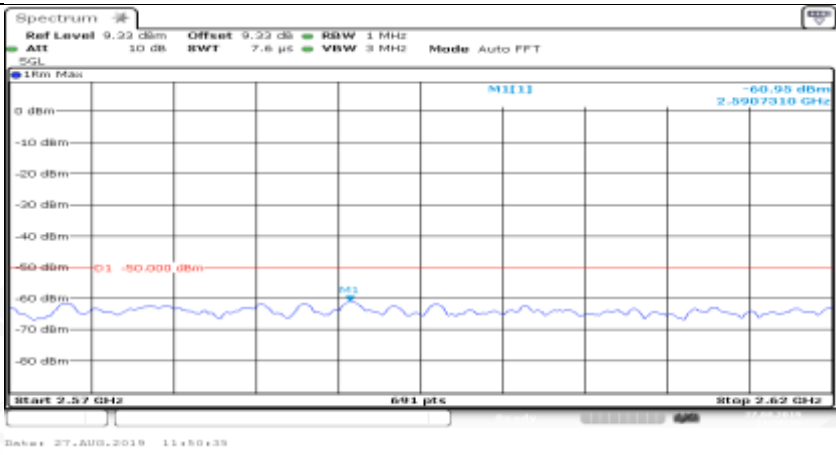

Service Hotline: 400 089 2118

General	
General	
General	

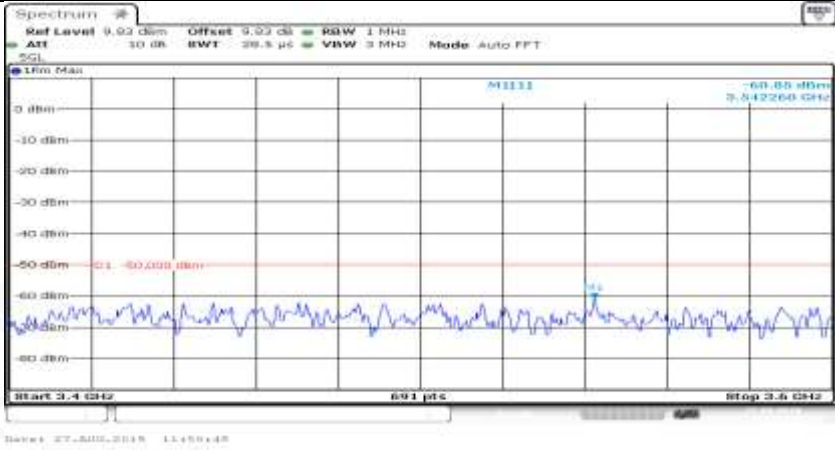
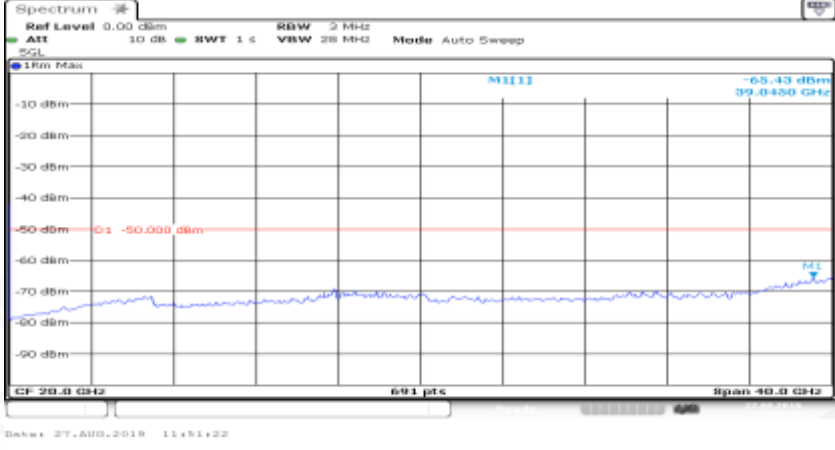


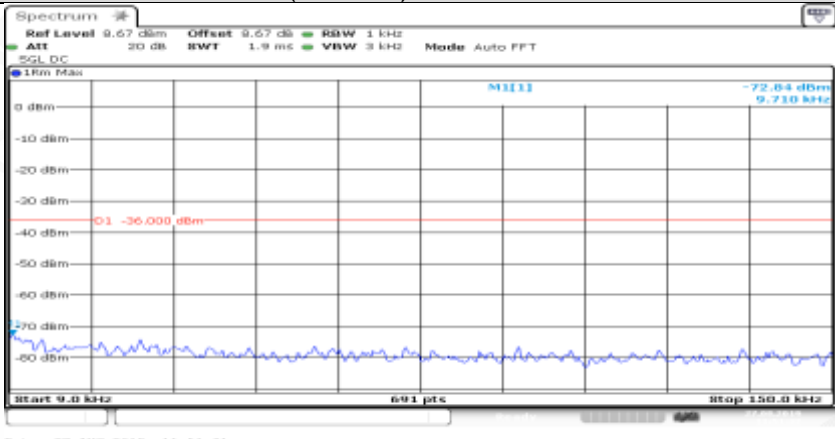
General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 11:49:41</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 27.AUG.2019 11:49:49</p>
Co-existence	 <p>Start 925.0 MHz Stop 950.0 MHz</p> <p>Date: 27.AUG.2019 11:49:56</p>

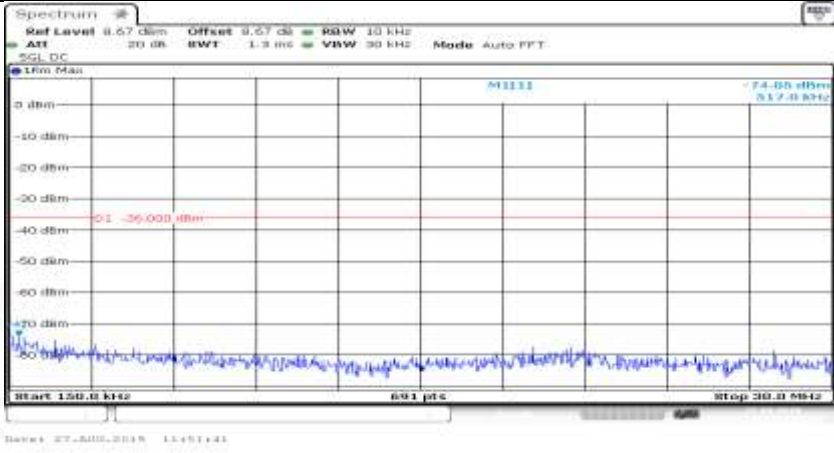
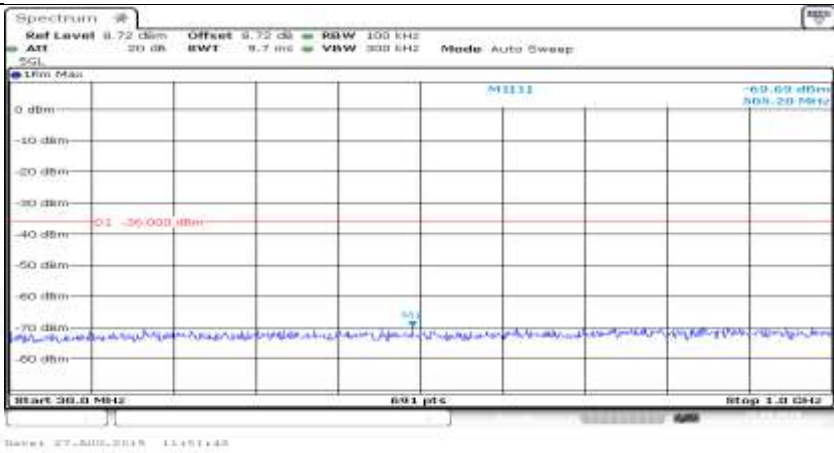
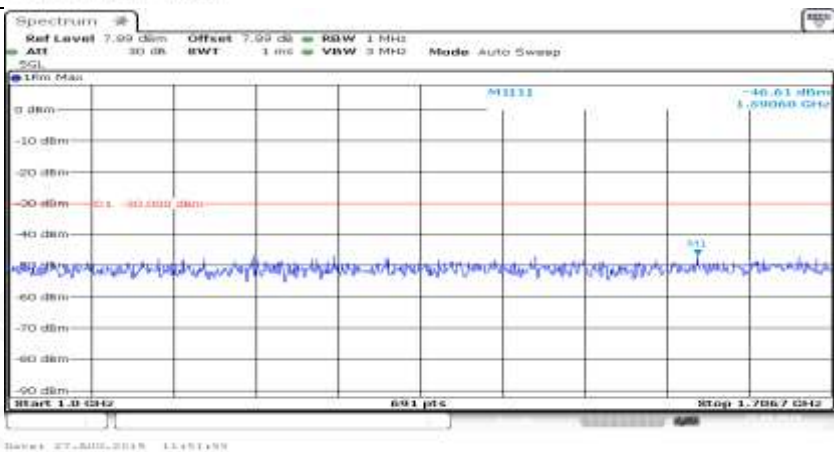
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

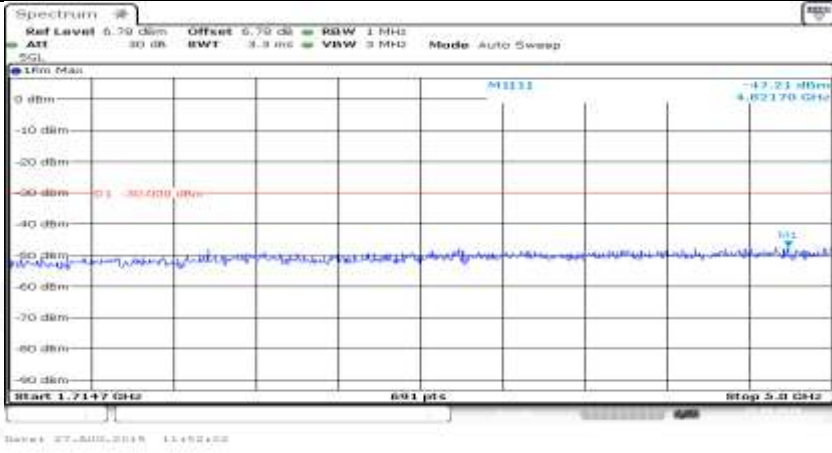
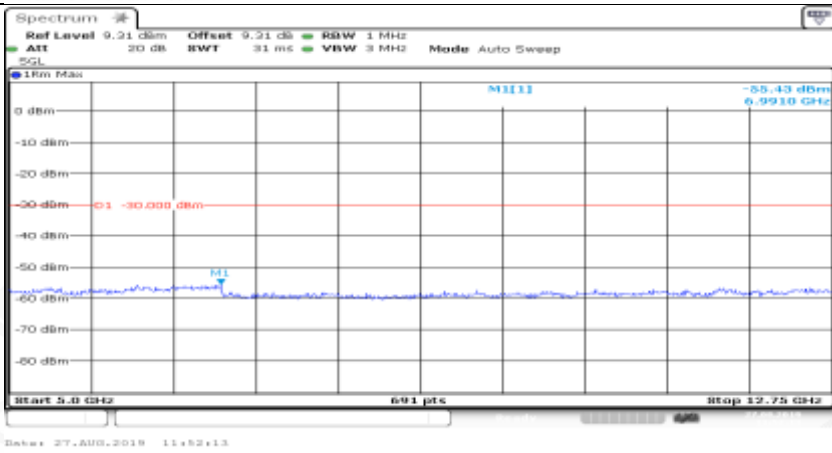
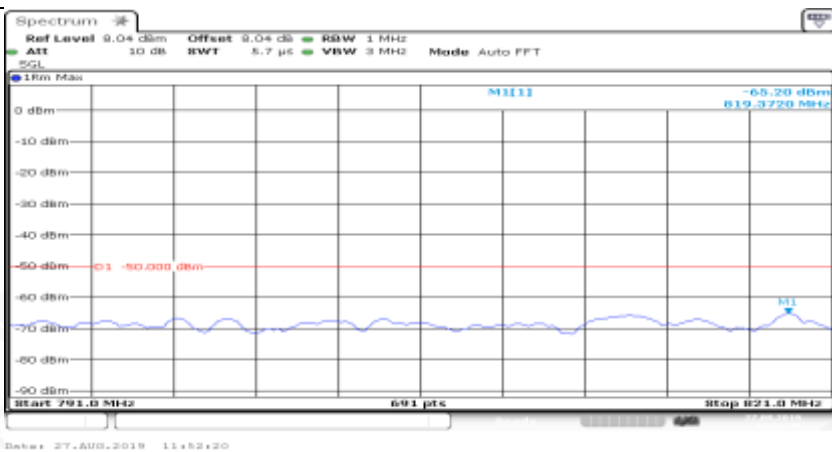


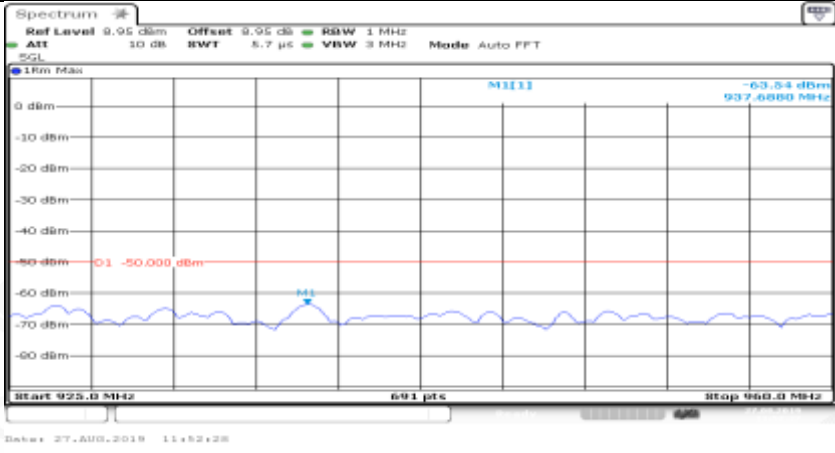
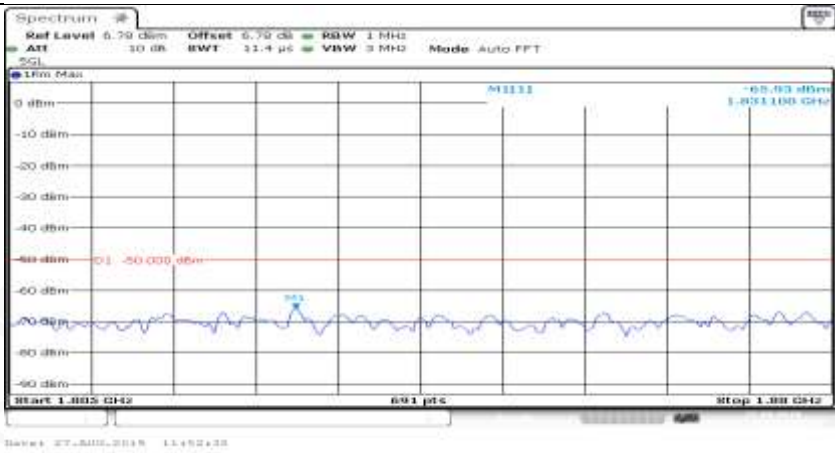
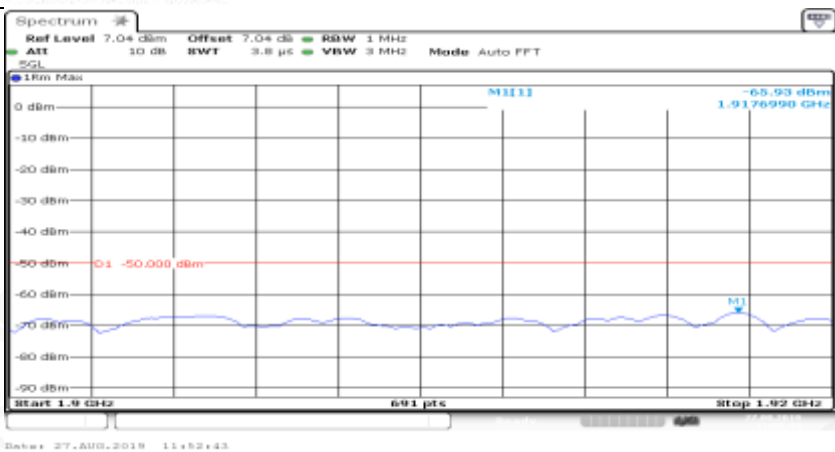
Co-existence	
Co-existence	
Additional	NA

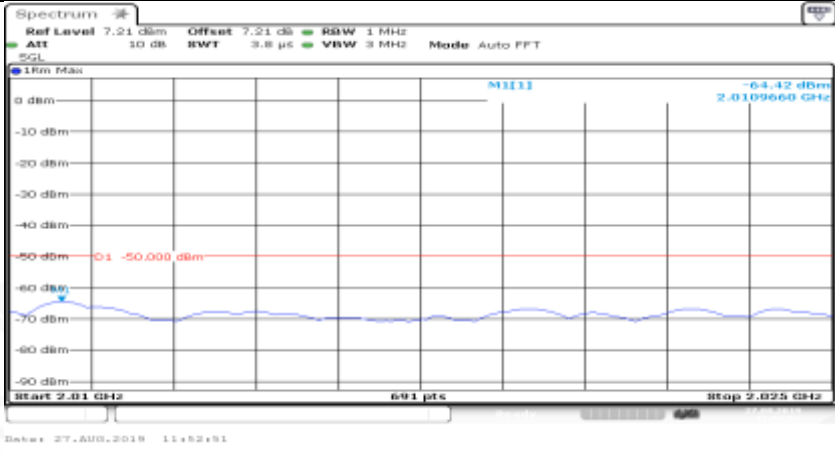

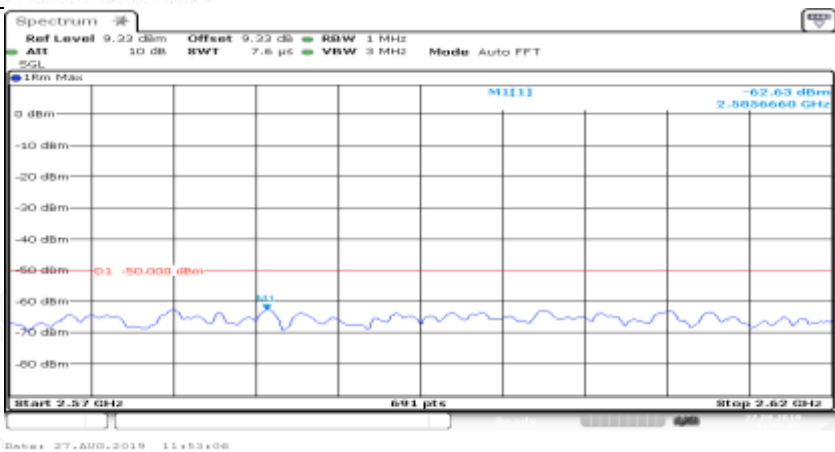
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_1RB#max	
General	


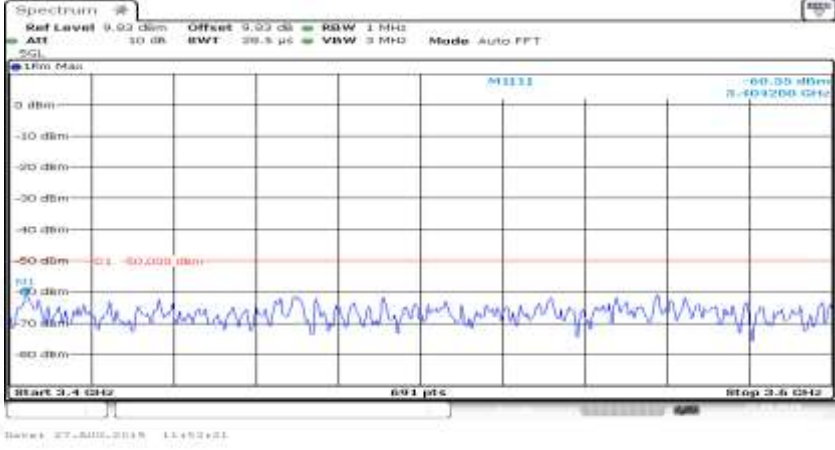

General	
General	
General	



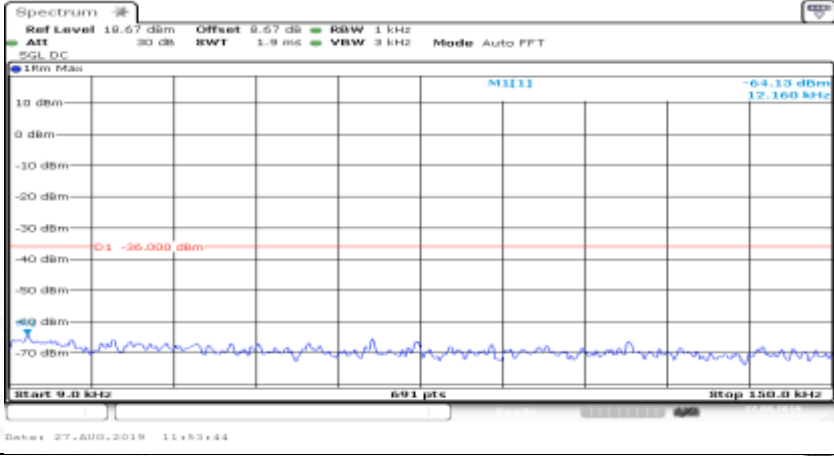
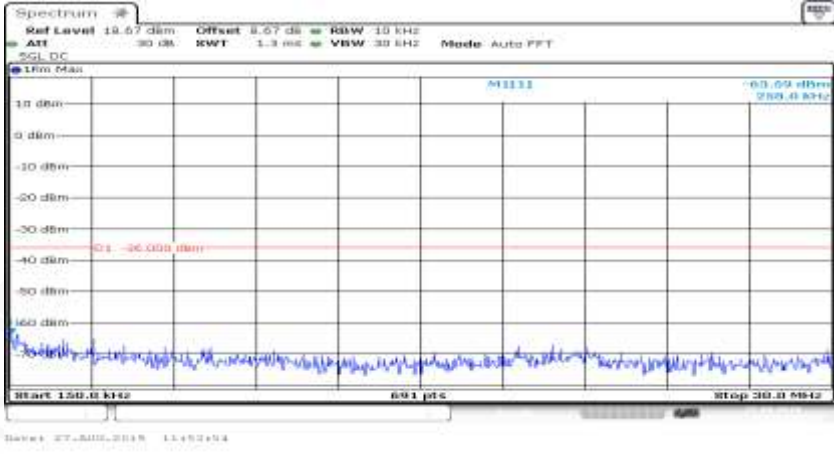
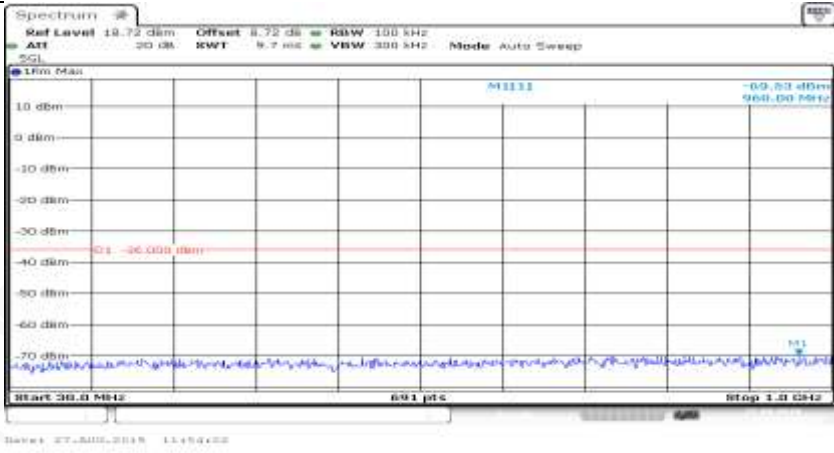
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

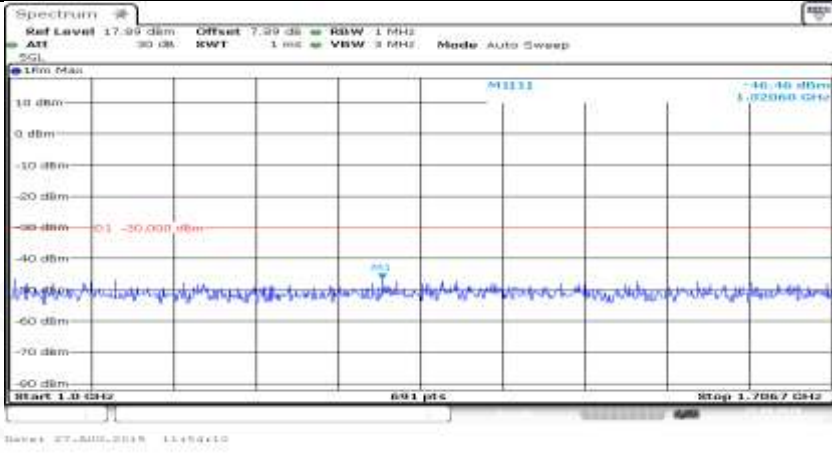
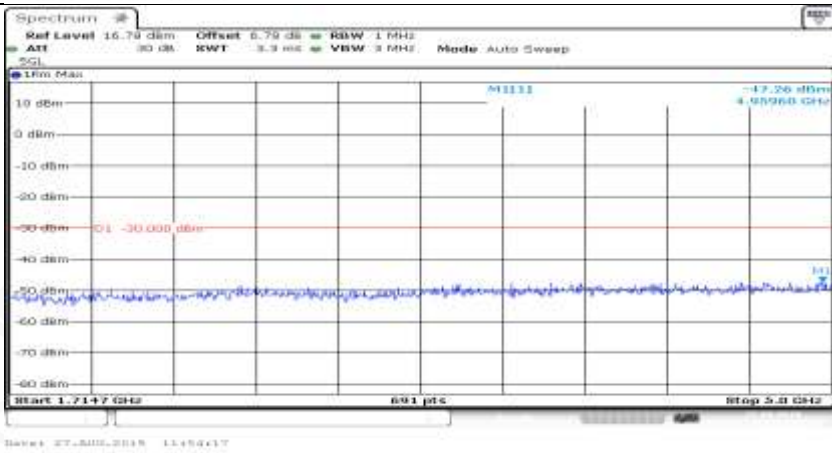
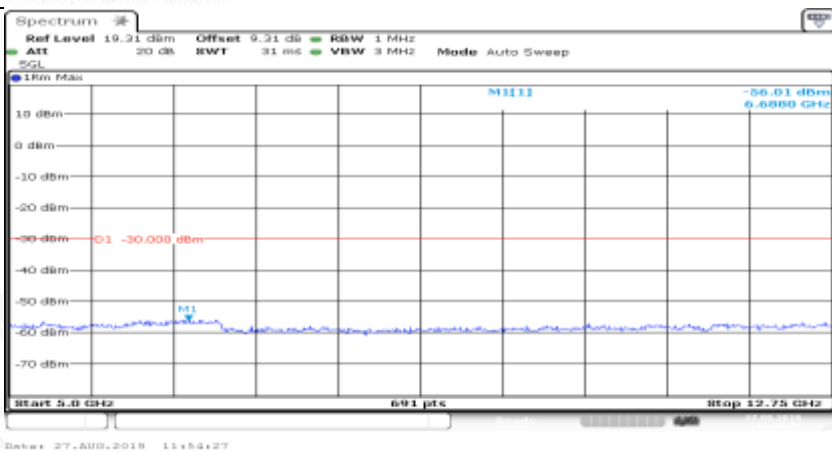
Co-existence	
Co-existence	
Co-existence	

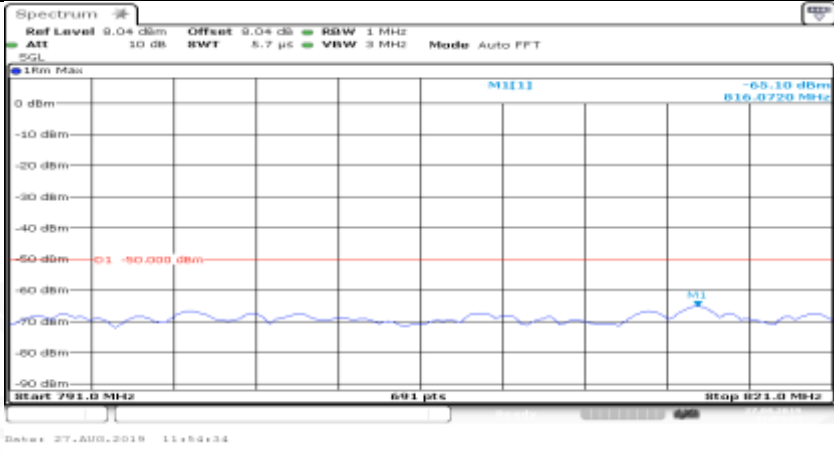
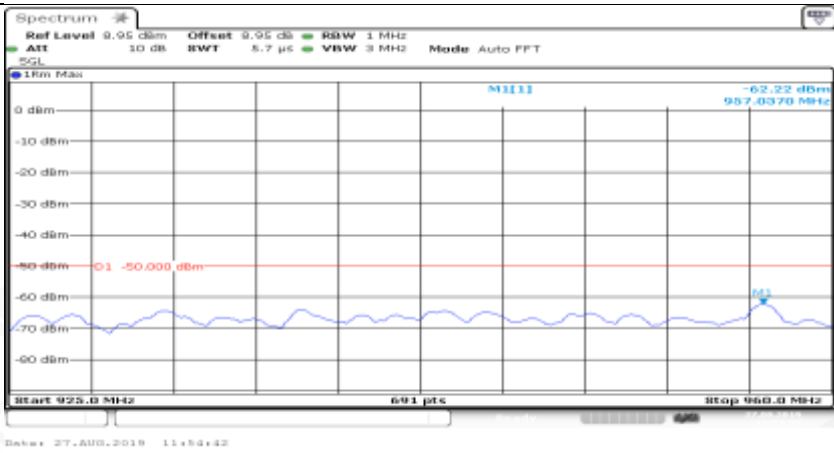
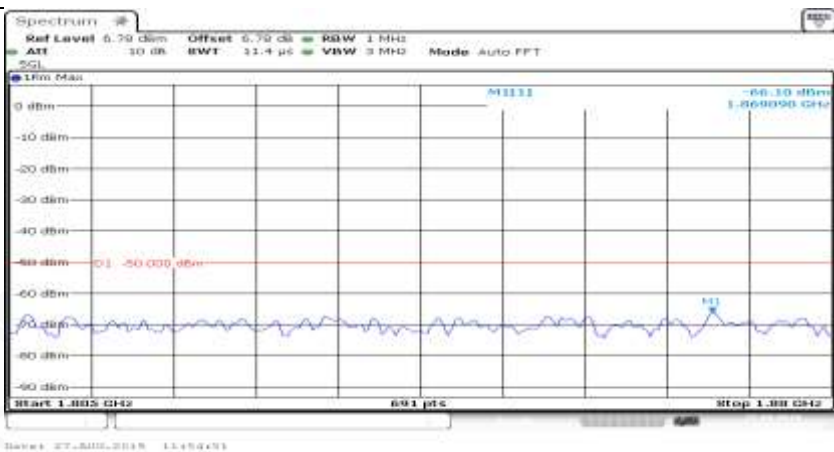
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0

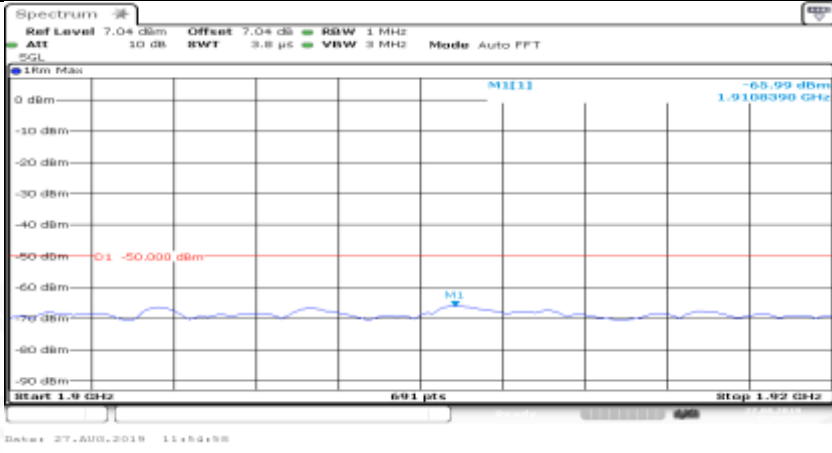
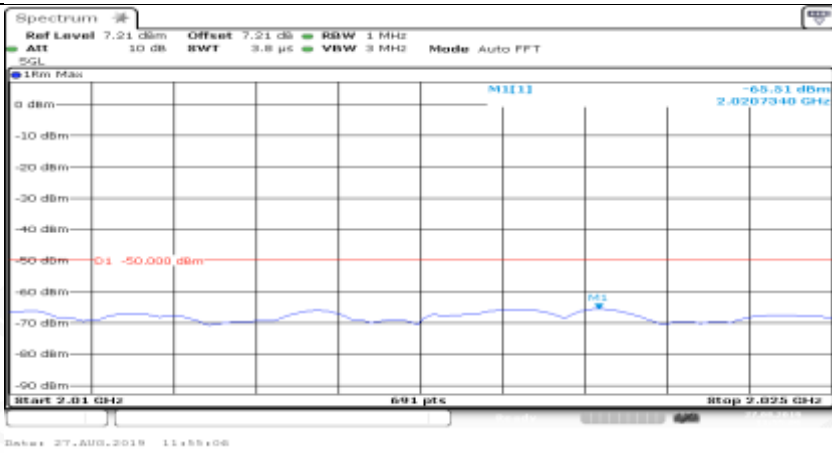
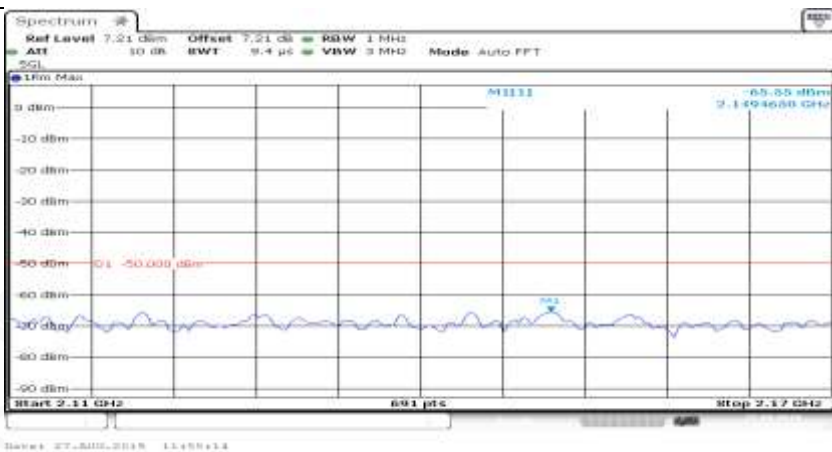
General	
General	
General	



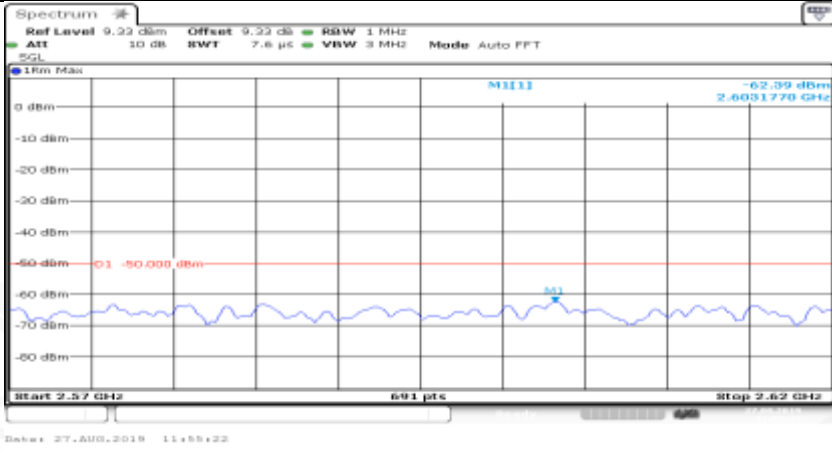

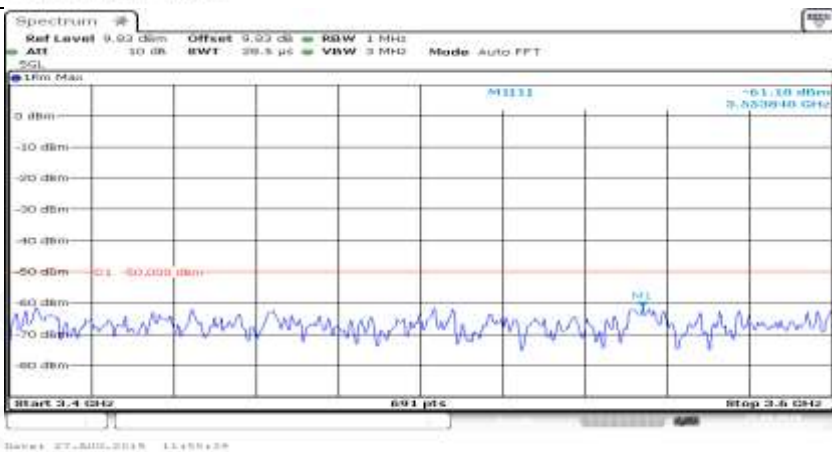
General	
General	
General	

Co-existence	
Co-existence	
Co-existence	

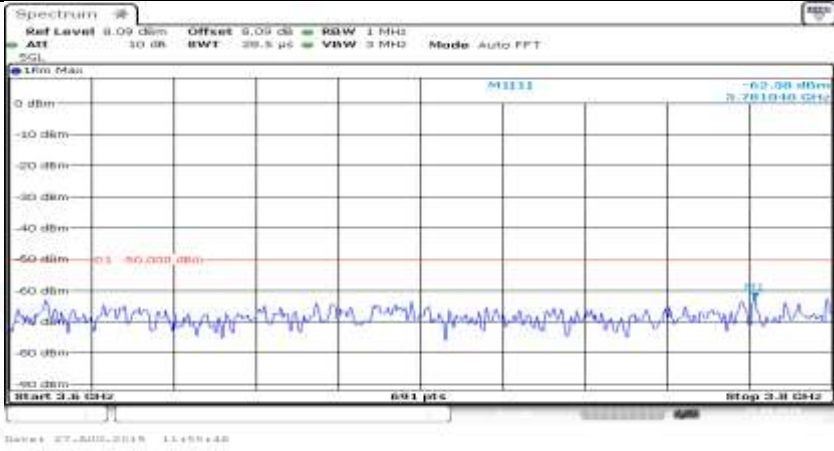


Co-existence	
Co-existence	
Co-existence	

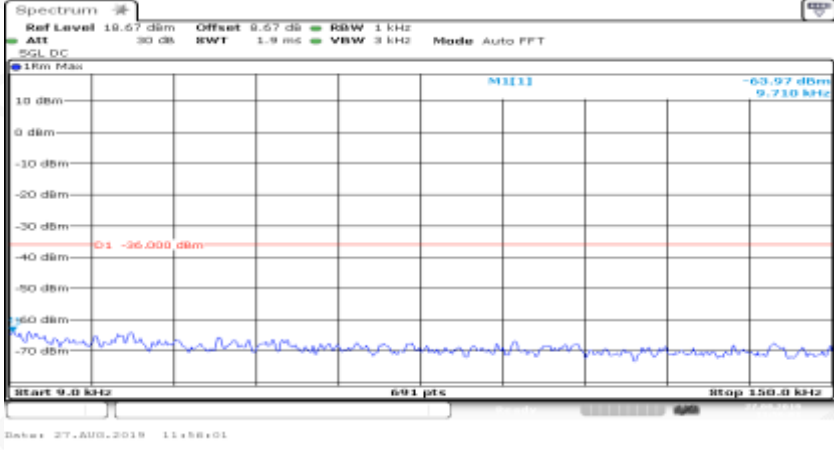
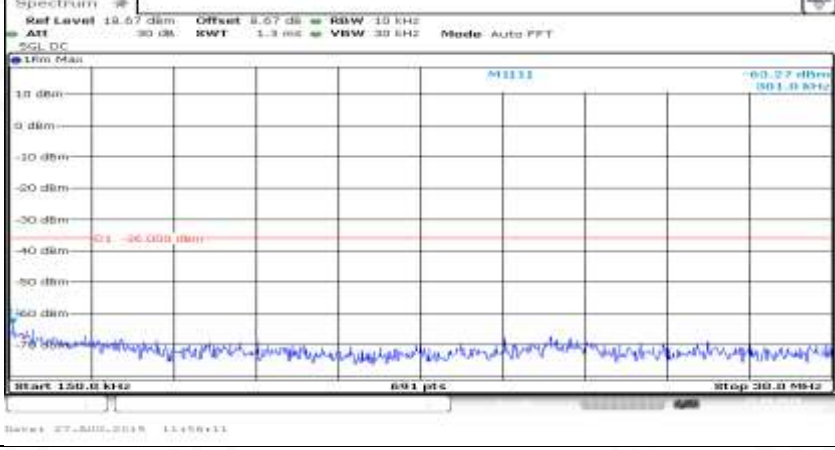


Co-existence	
Co-existence	
Co-existence	

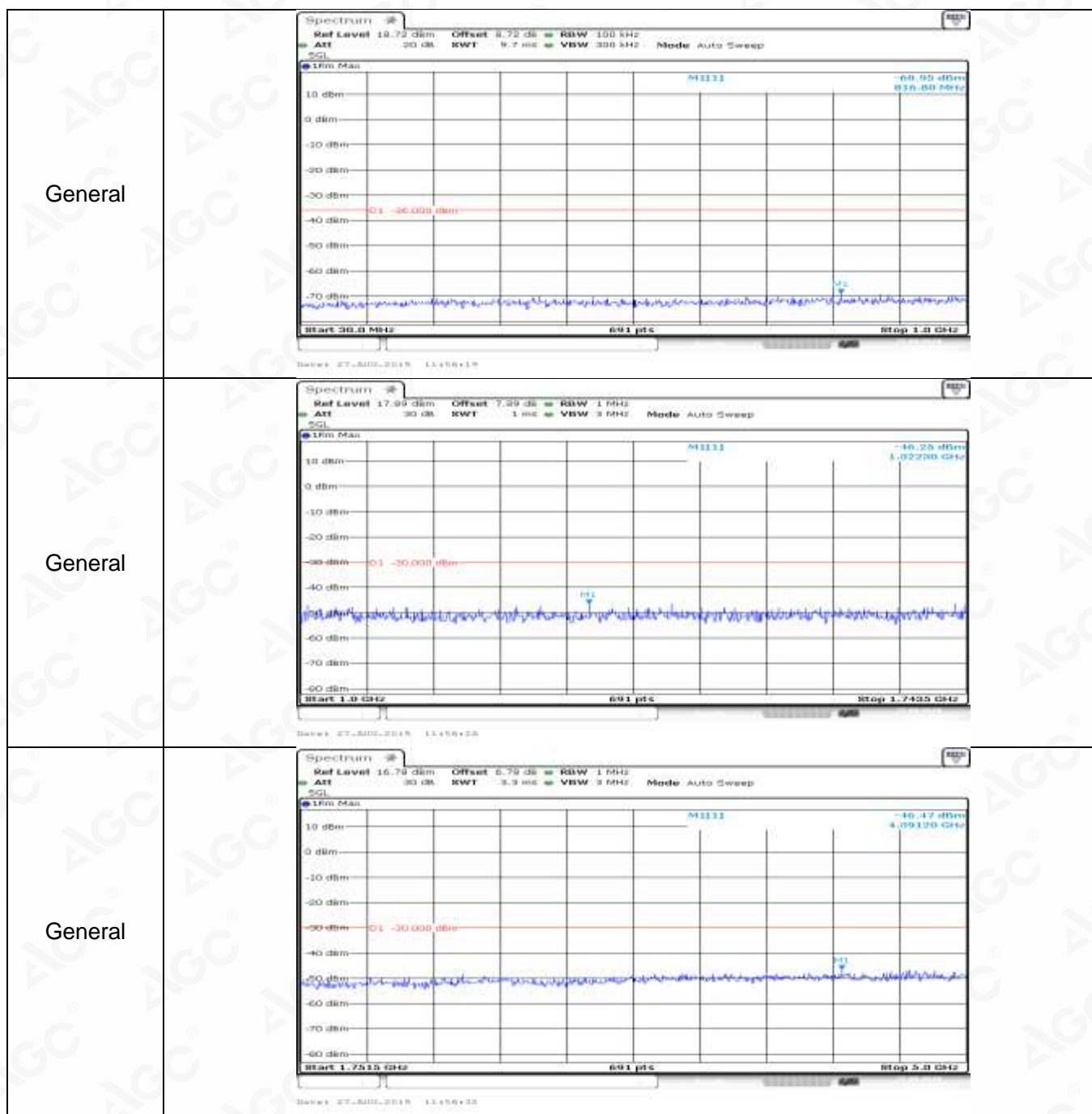


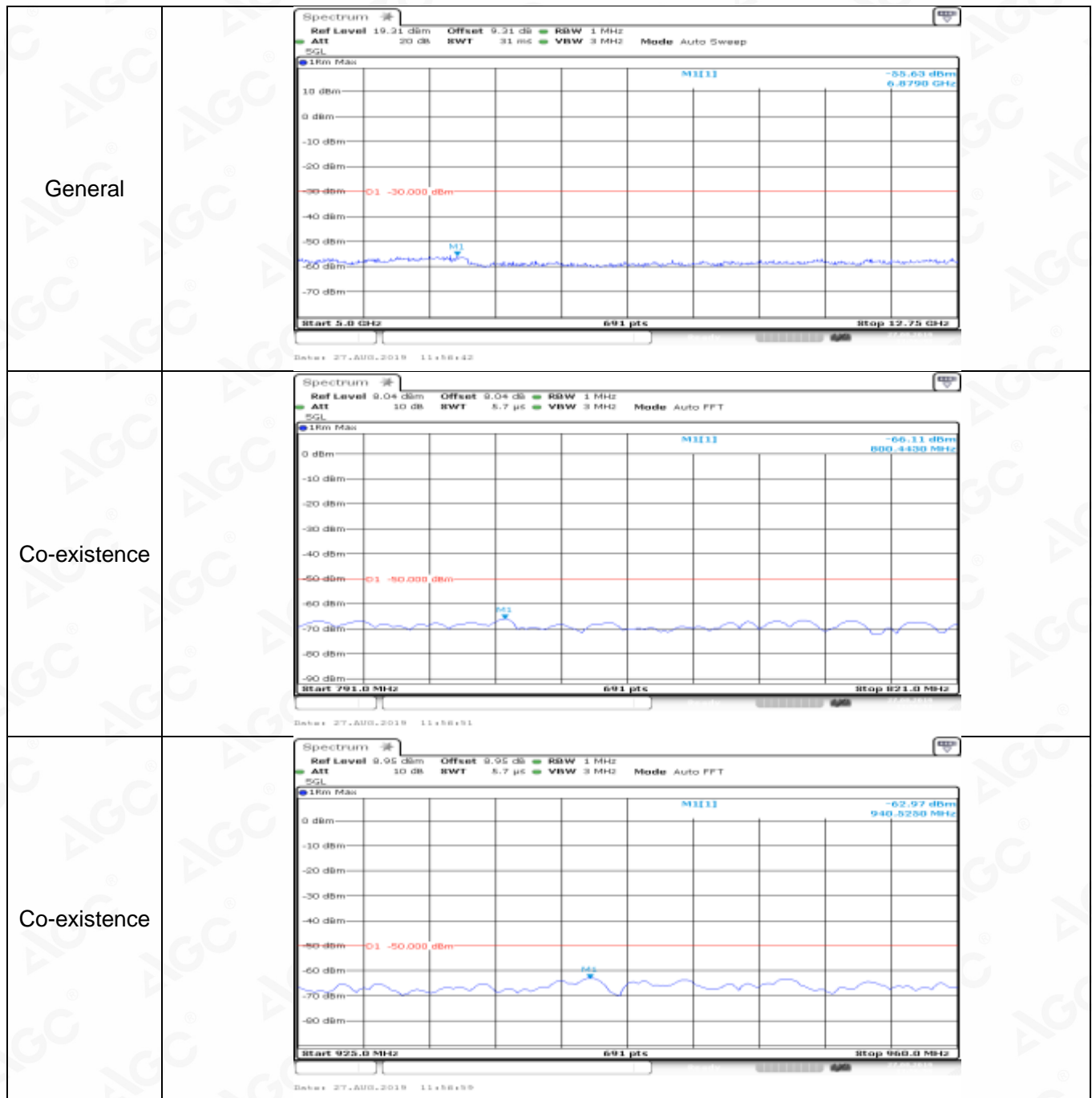
Co-existence	
Additional	NA


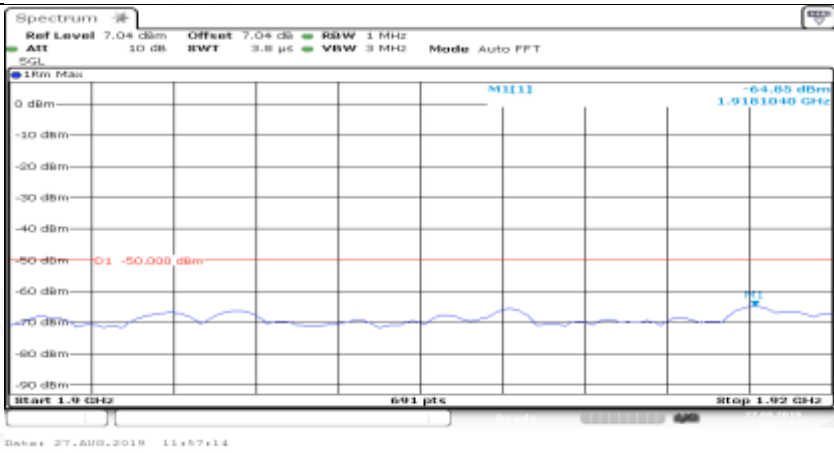
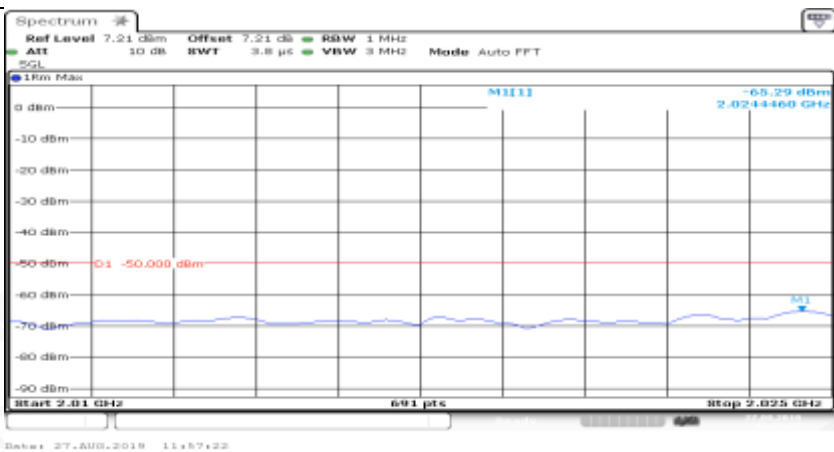
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#0

General	
General	


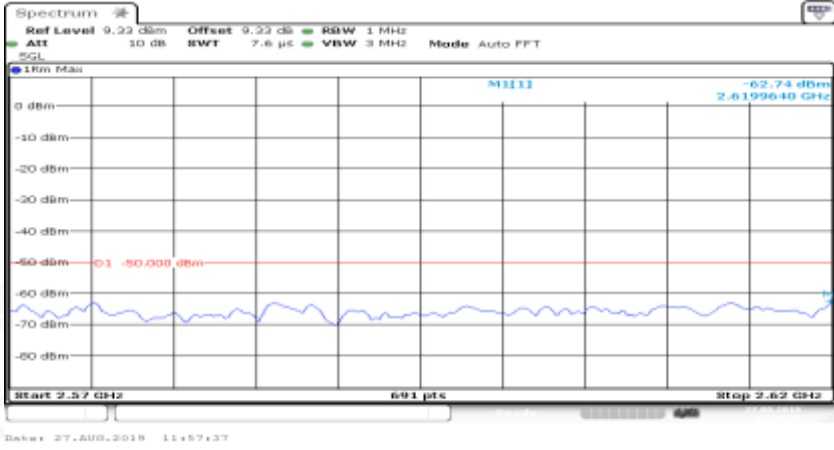
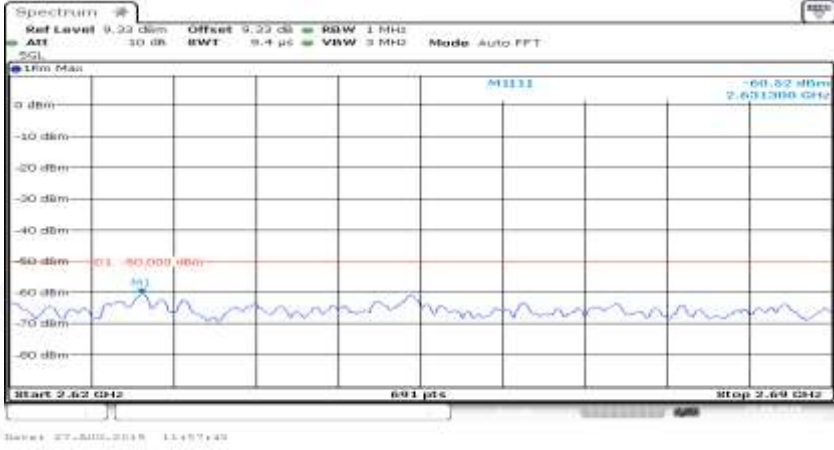




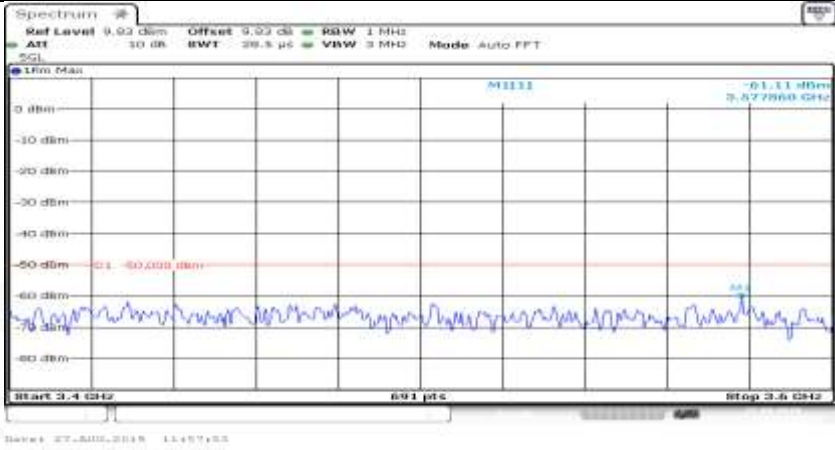
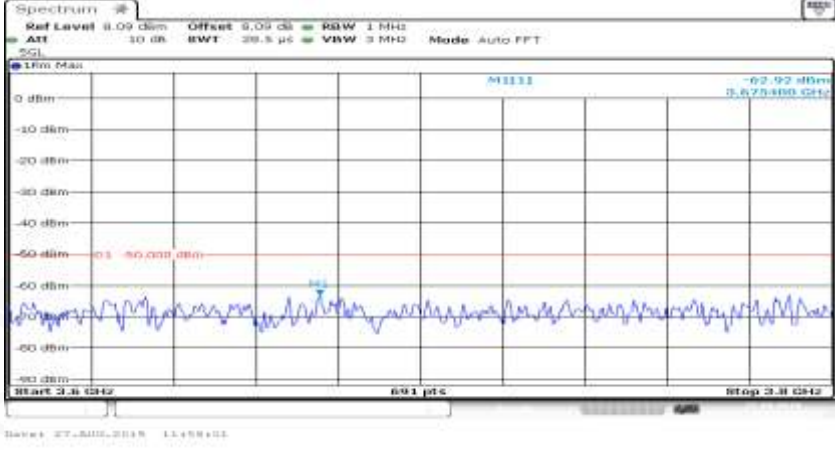


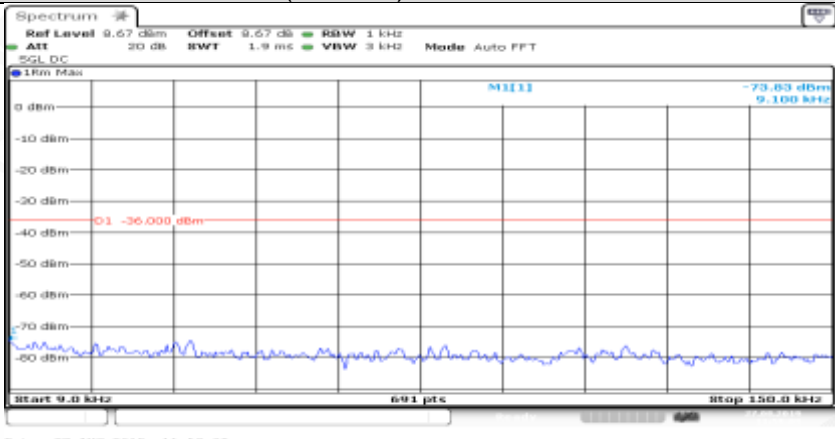
Co-existence	
Co-existence	
Co-existence	

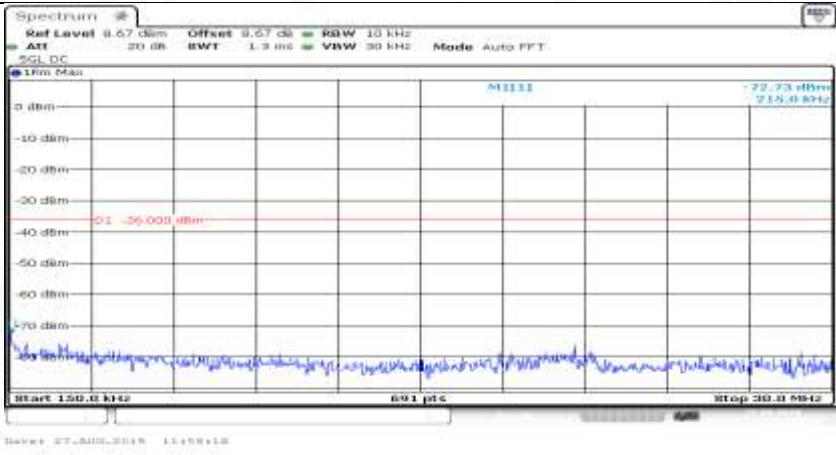

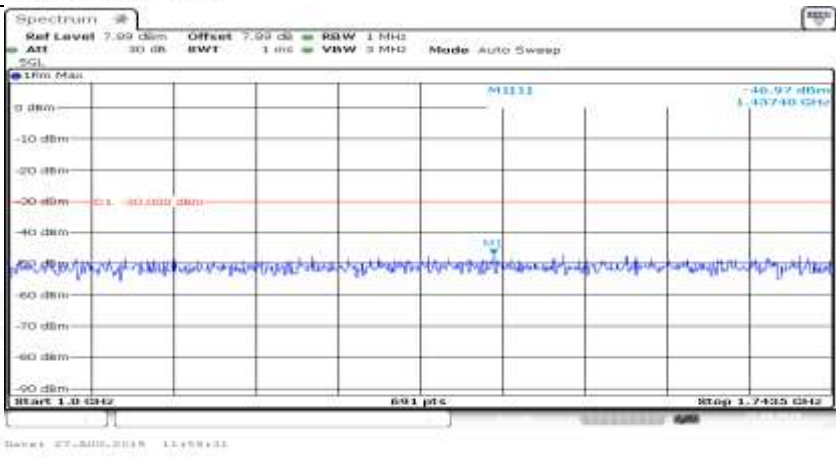


Co-existence	
Co-existence	
Co-existence	

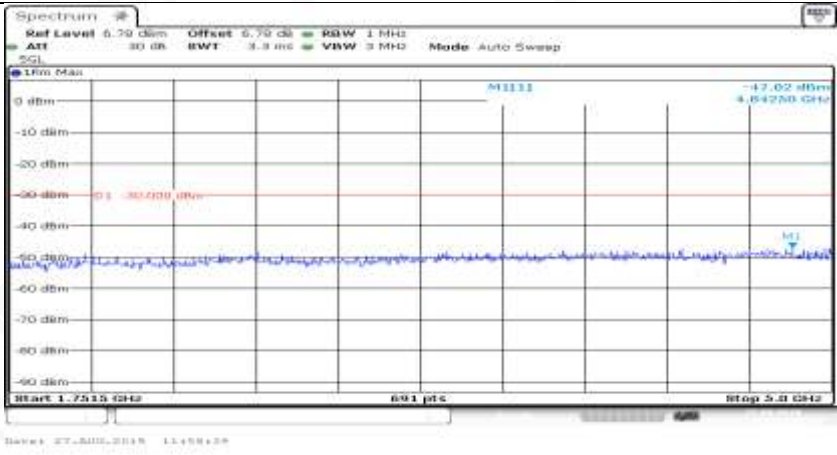
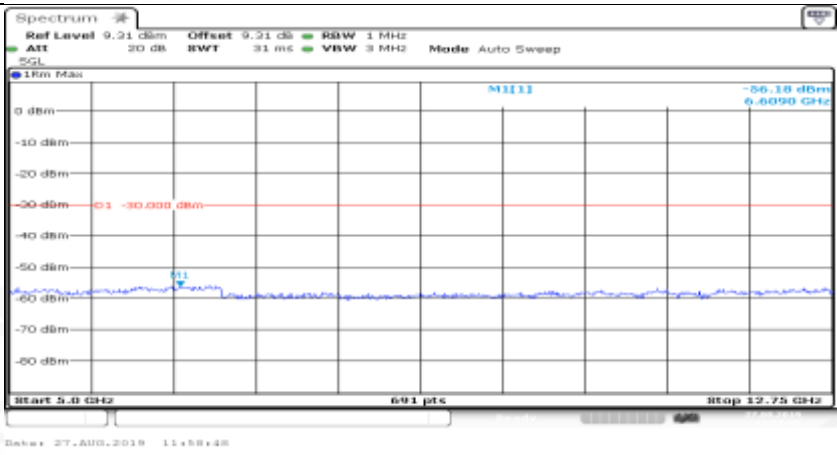
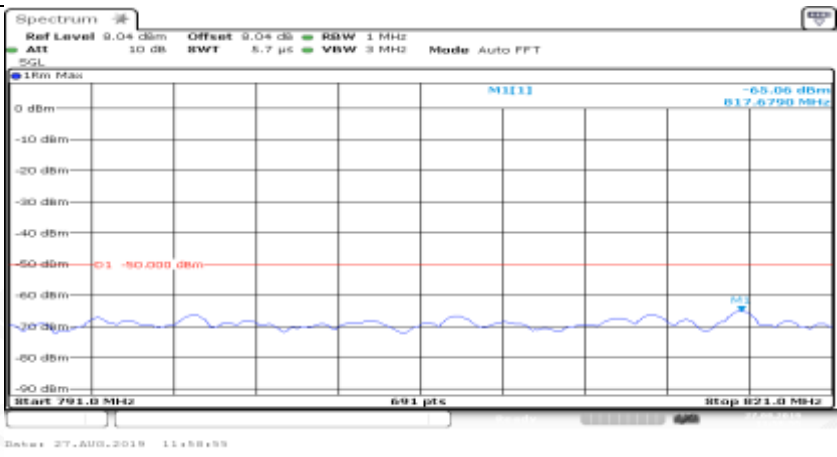


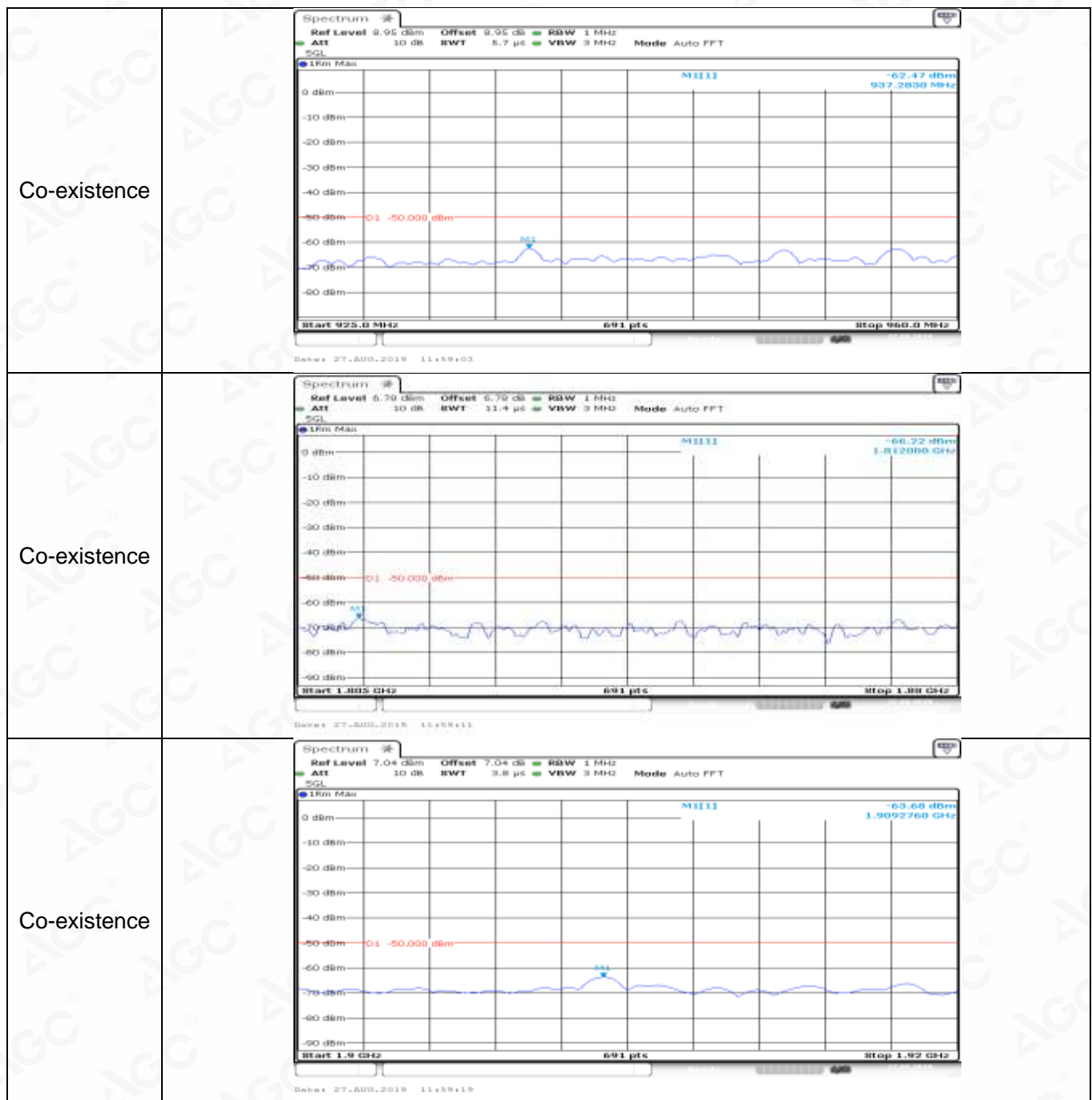
Co-existence	
Co-existence	
Additional	NA

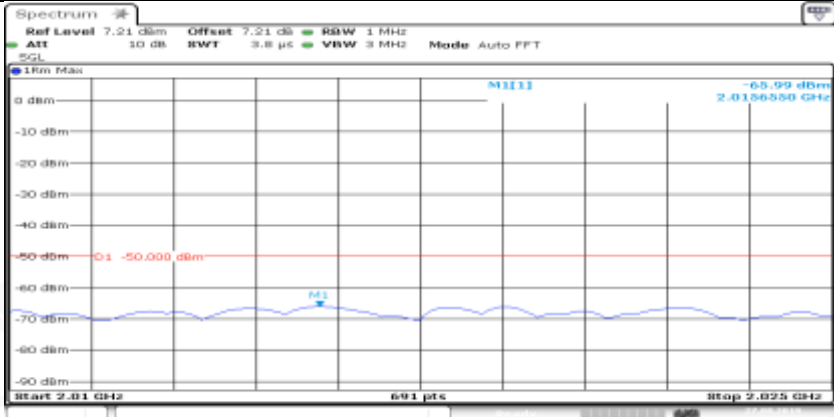
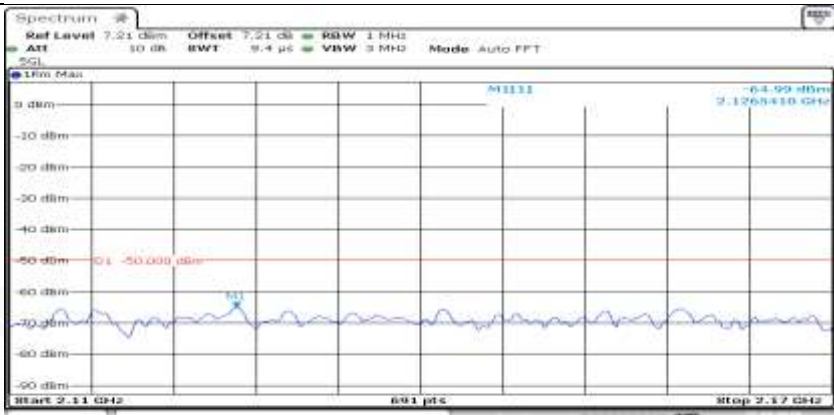

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#max	
General	

General	
General	
General	

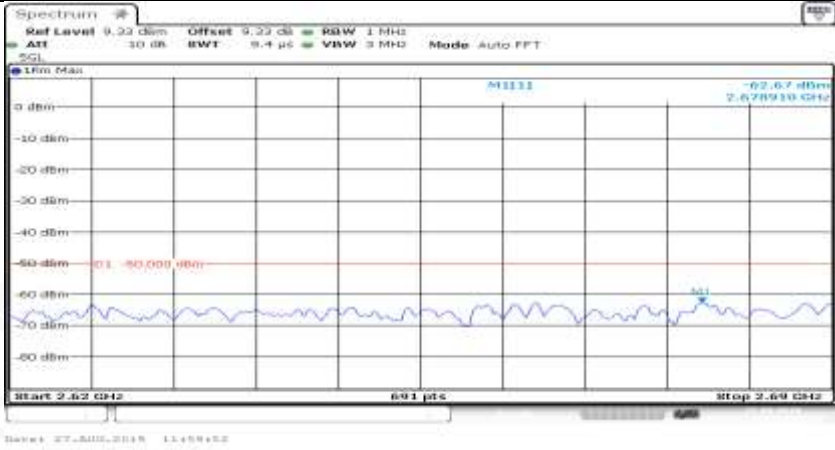

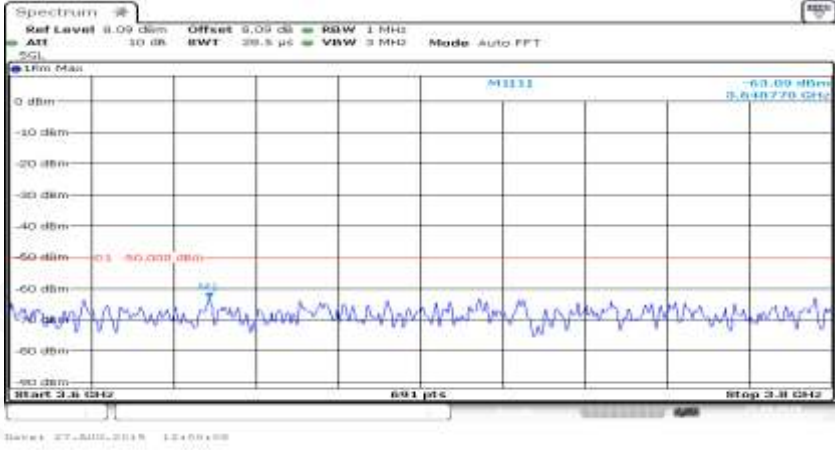


General	
General	
Co-existence	

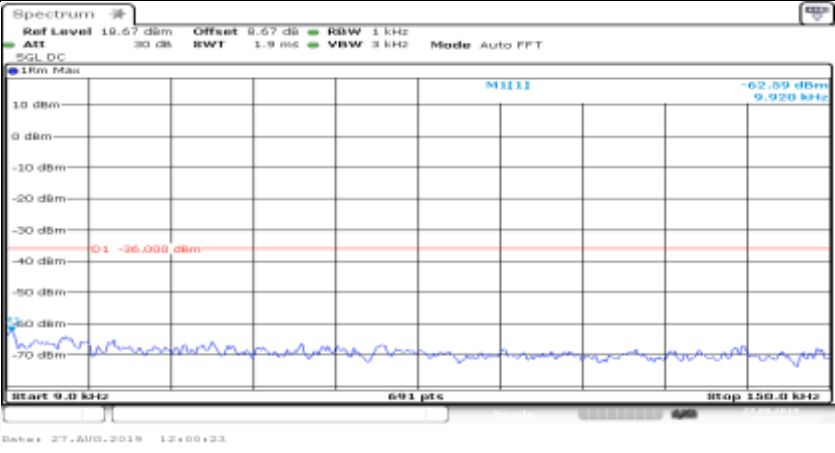

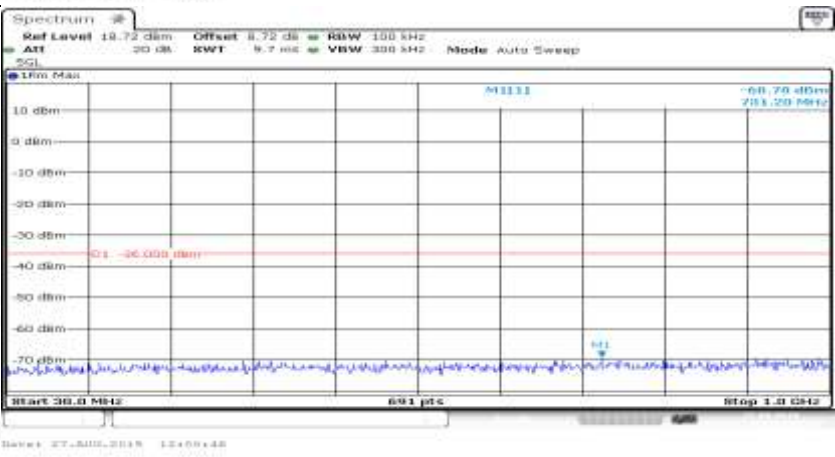


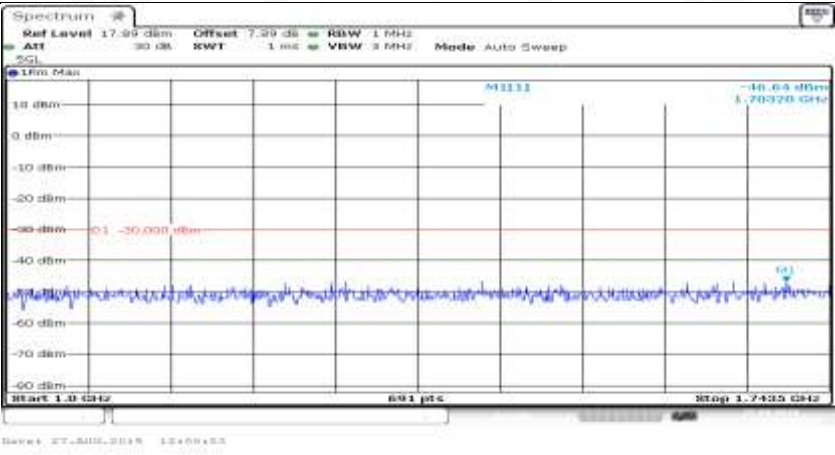
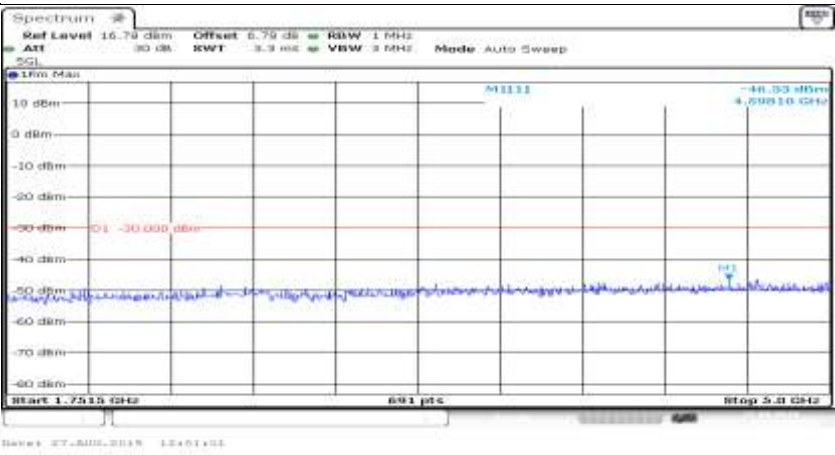
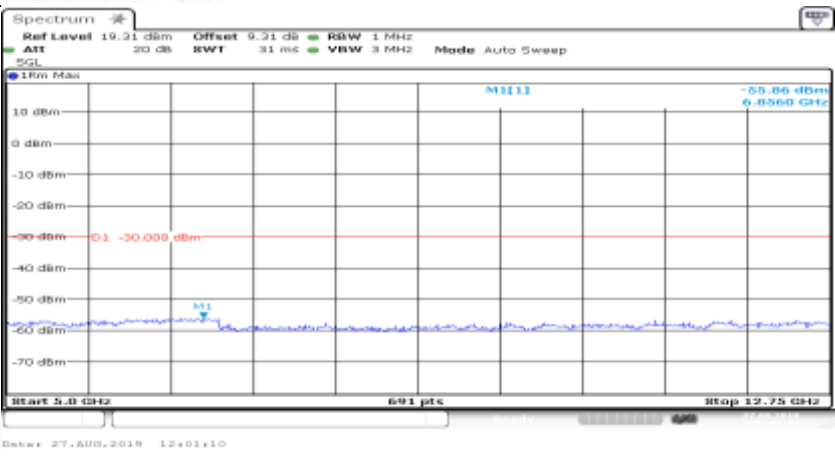
Co-existence	 <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 27.AUG.2018 11:59:29</p>
Co-existence	 <p>Start 2.11 GHz 691 pts Stop 2.12 GHz</p> <p>Date: 27.AUG.2018 11:59:38</p>
Co-existence	 <p>Start 2.57 GHz 691 pts Stop 2.58 GHz</p> <p>Date: 27.AUG.2018 11:59:44</p>

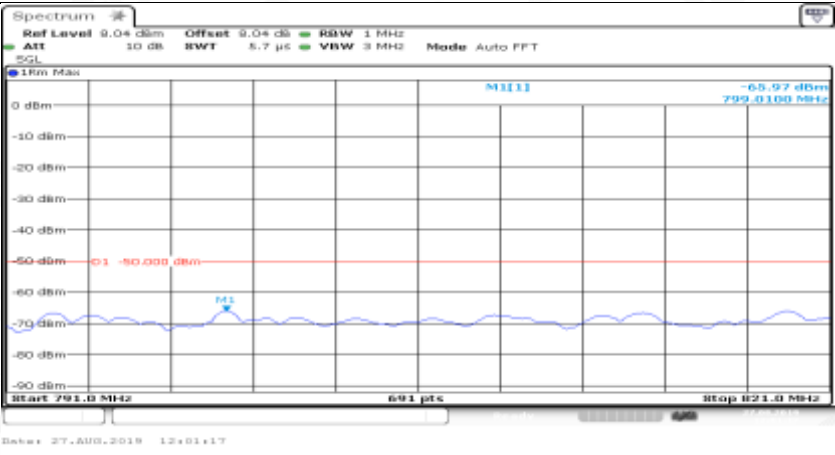
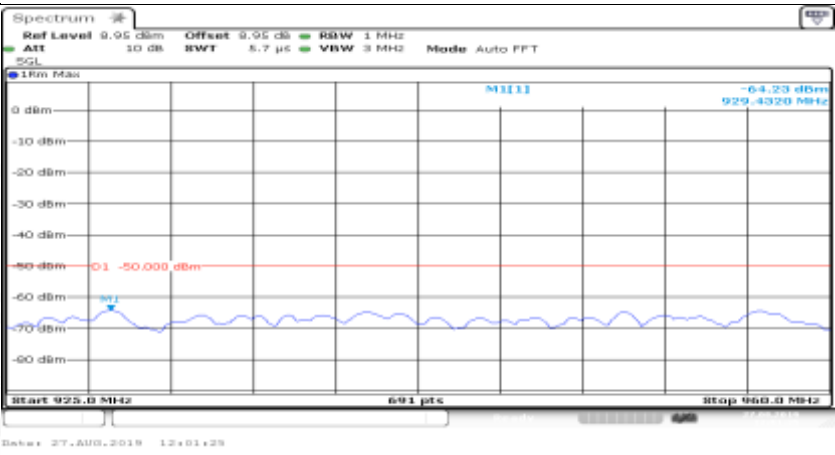



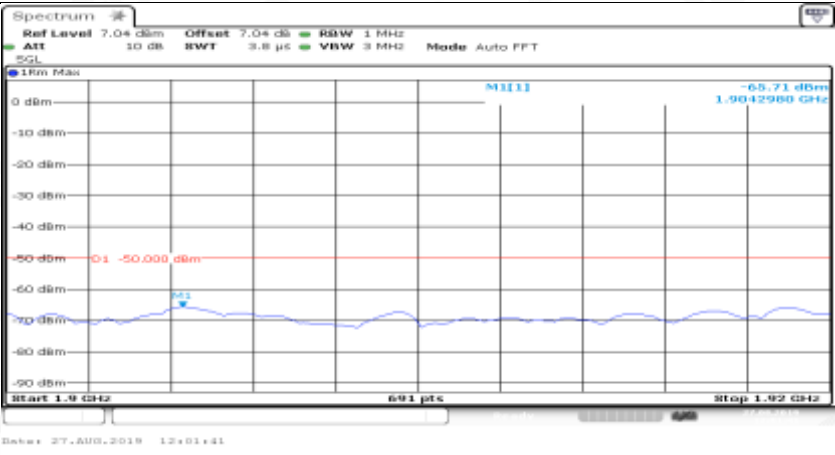
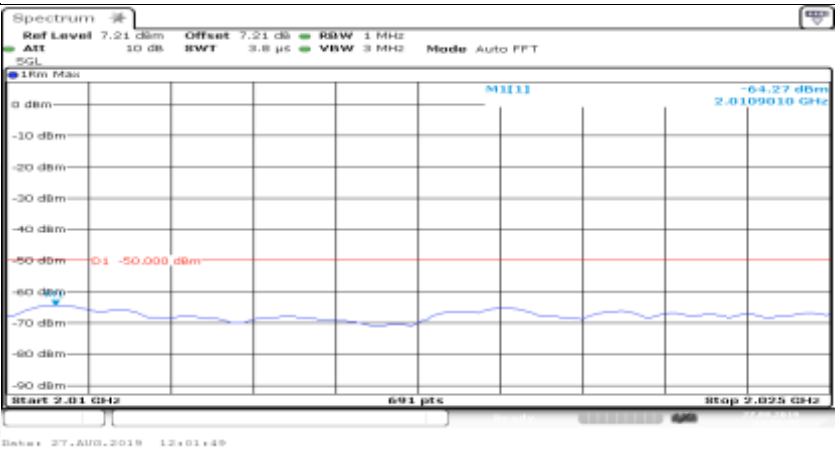
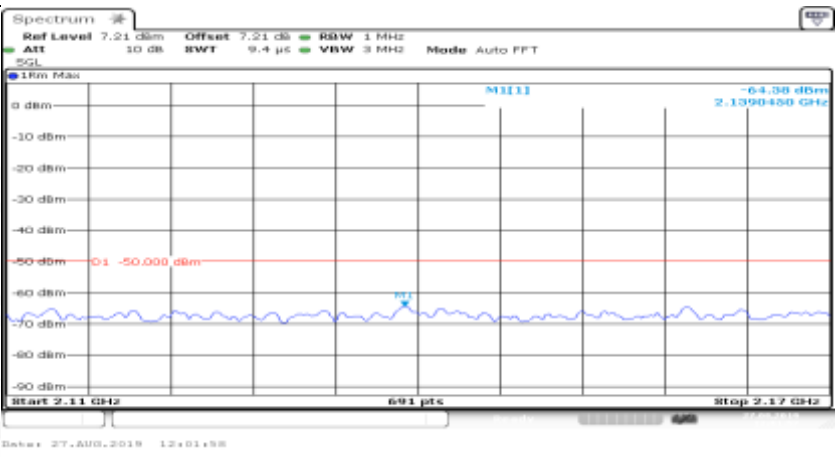
Co-existence	
Co-existence	
Co-existence	
Additional	NA

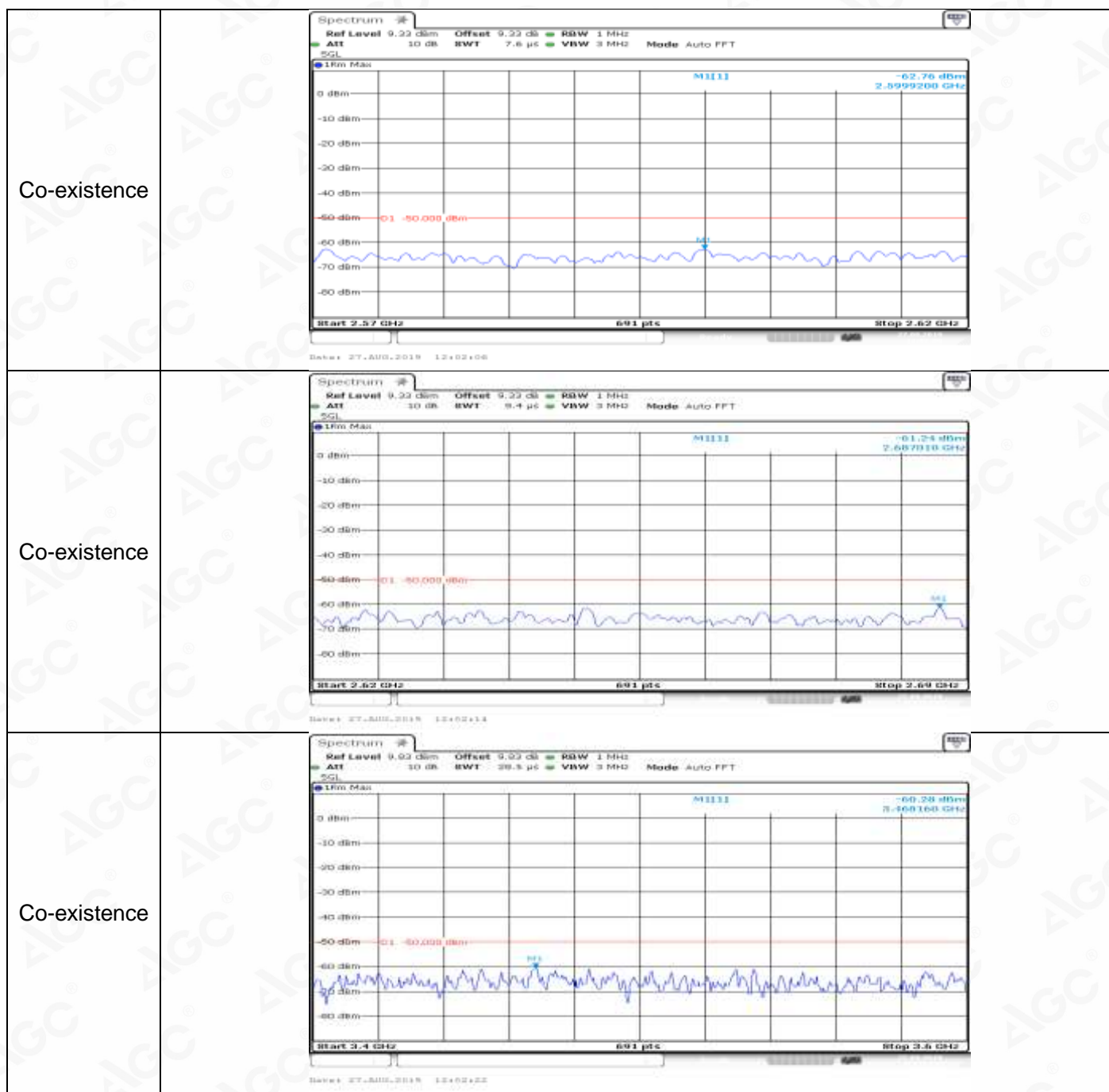
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0

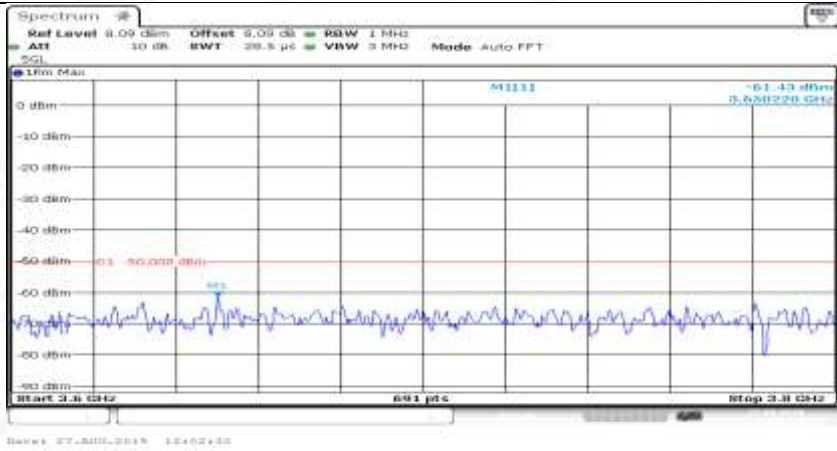
General	
General	
General	

General	
General	
General	

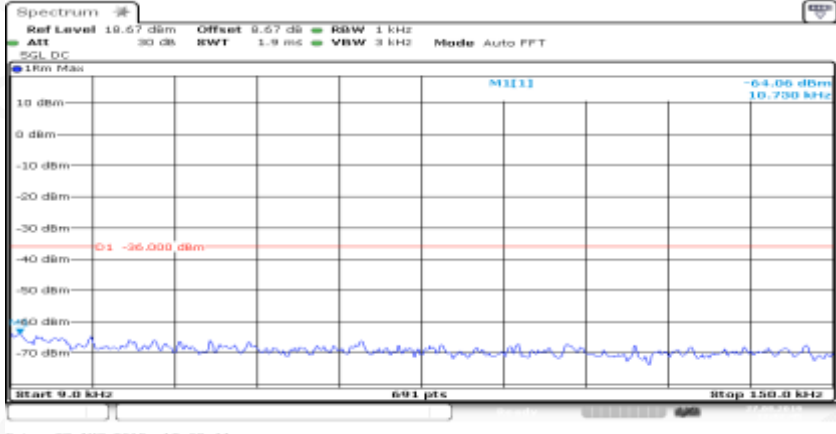
Co-existence	
Co-existence	
Co-existence	

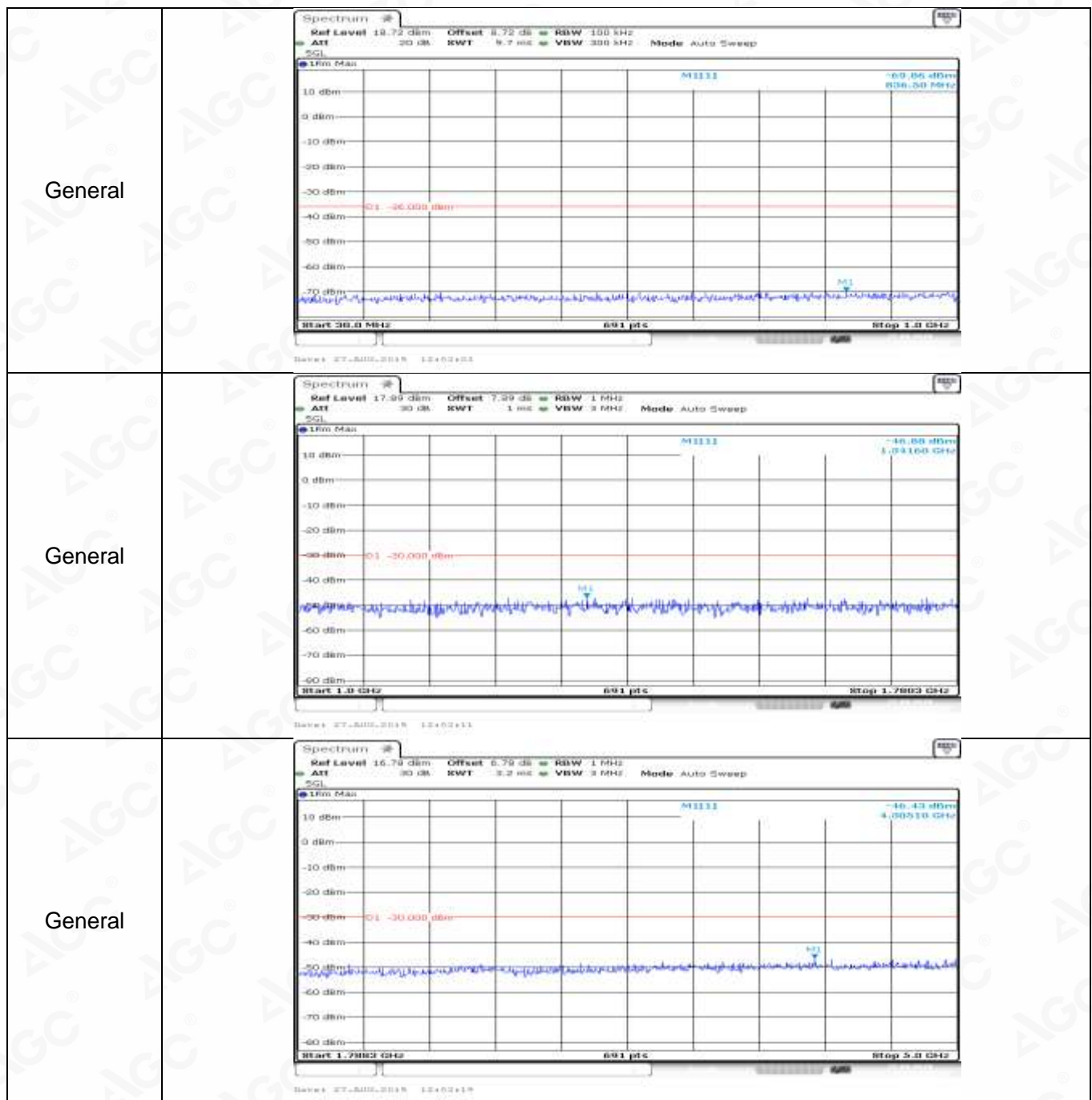
Co-existence	
Co-existence	
Co-existence	

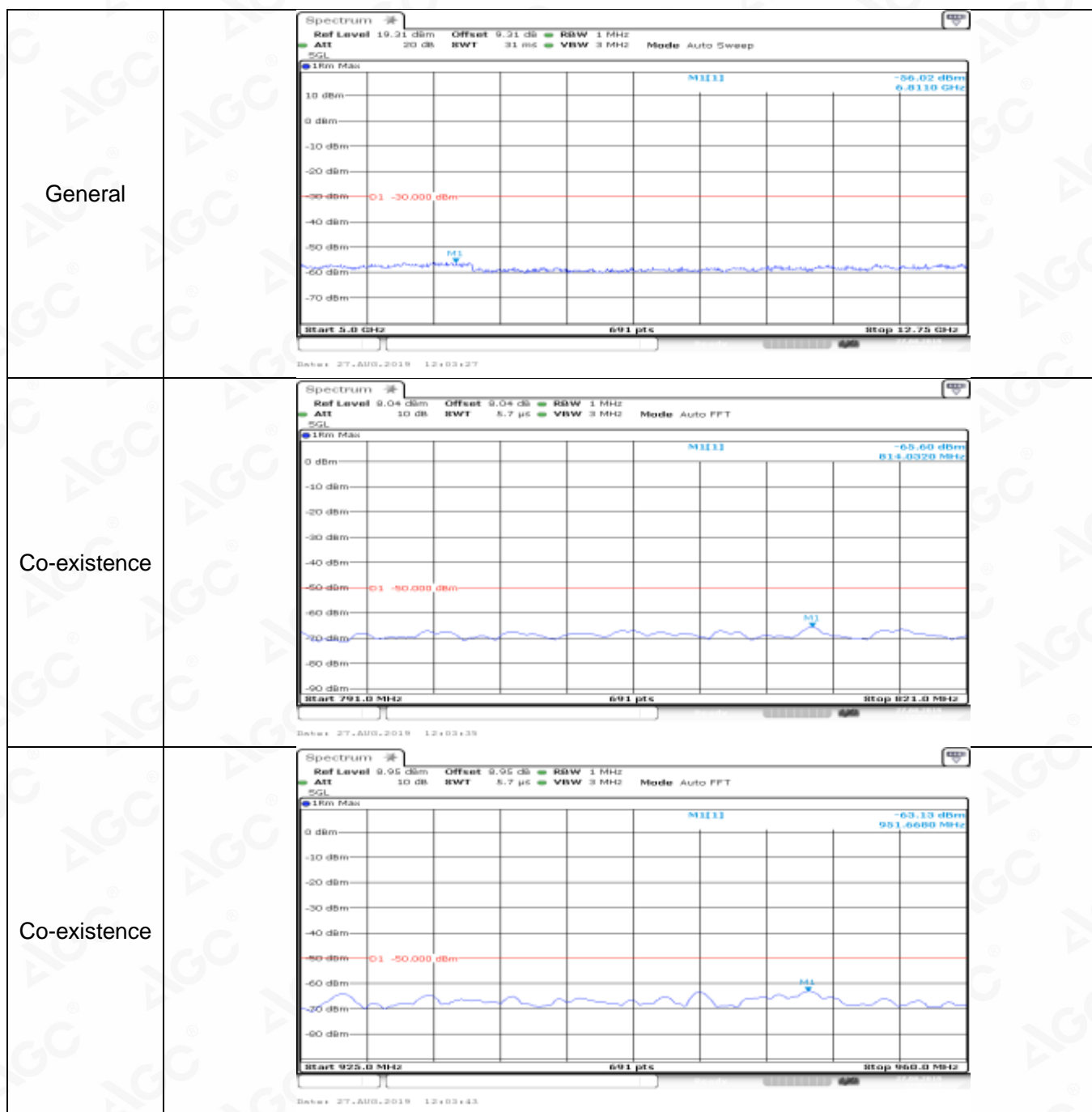


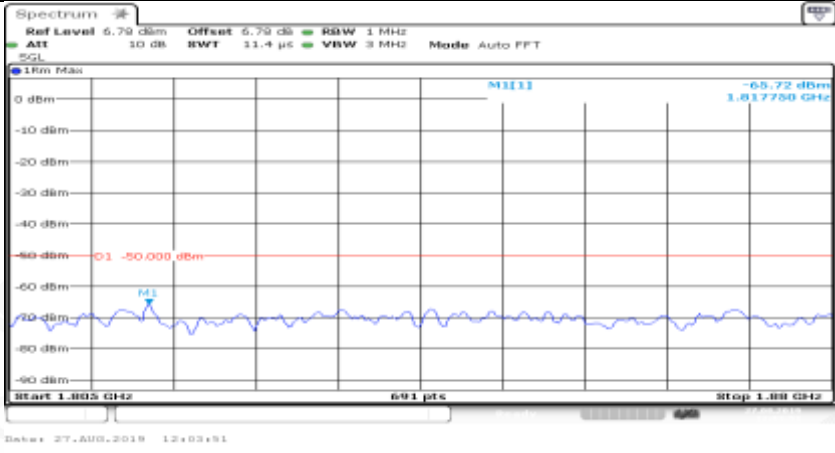
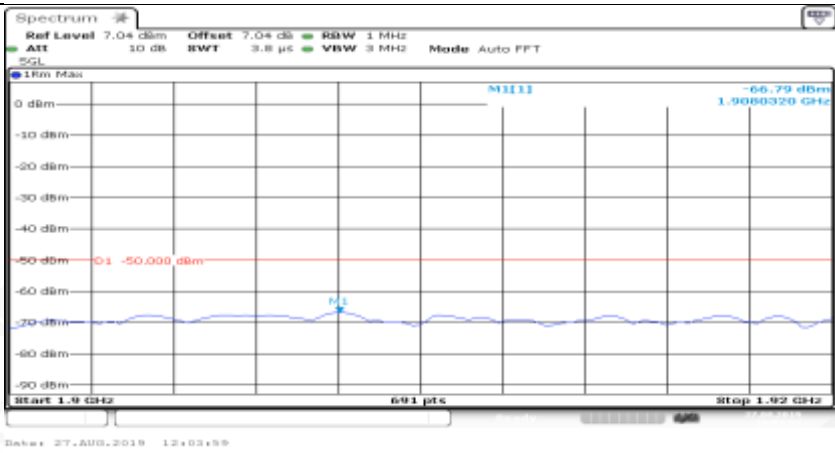
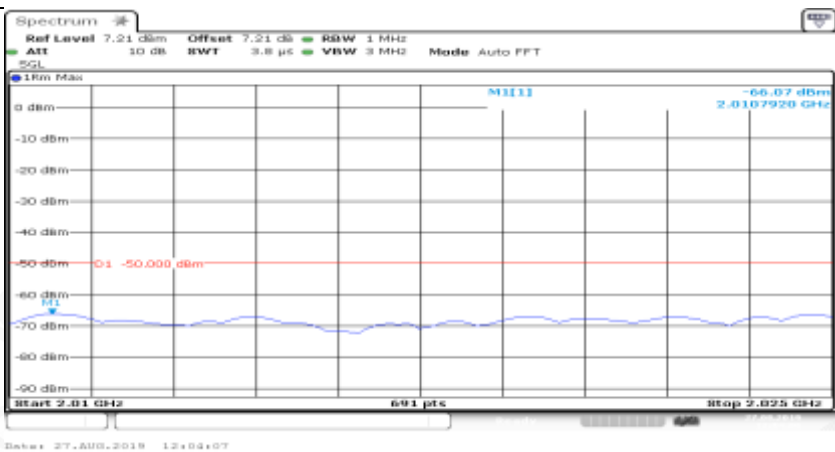
Co-existence	
Additional	NA

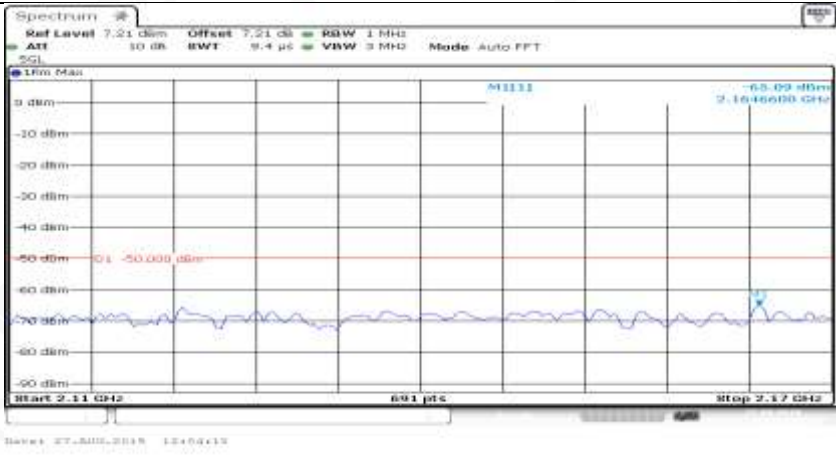
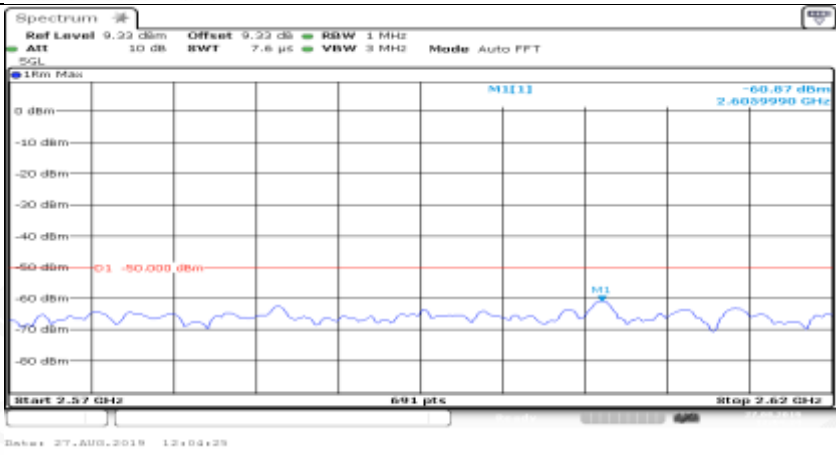

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#0

General	
General	

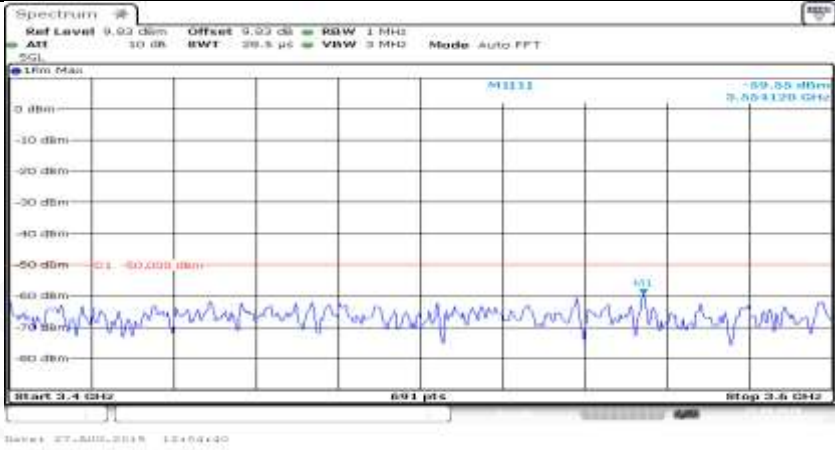
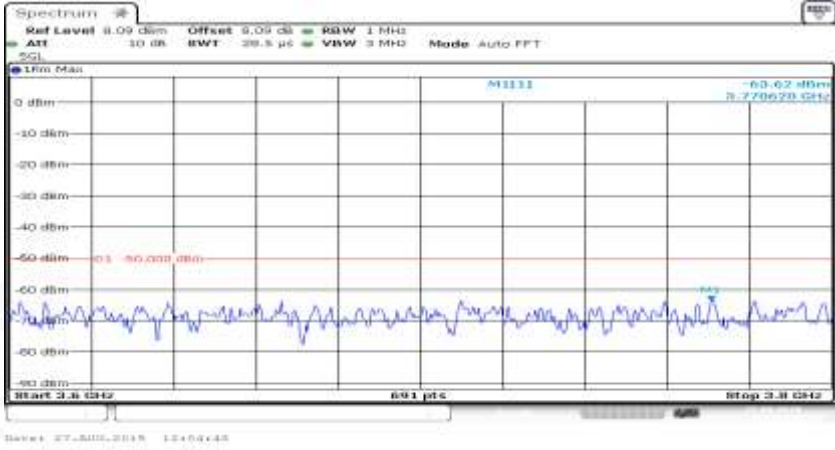


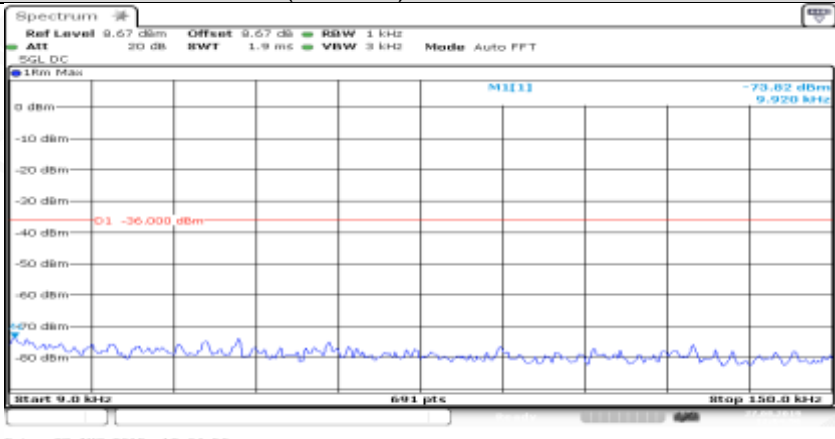


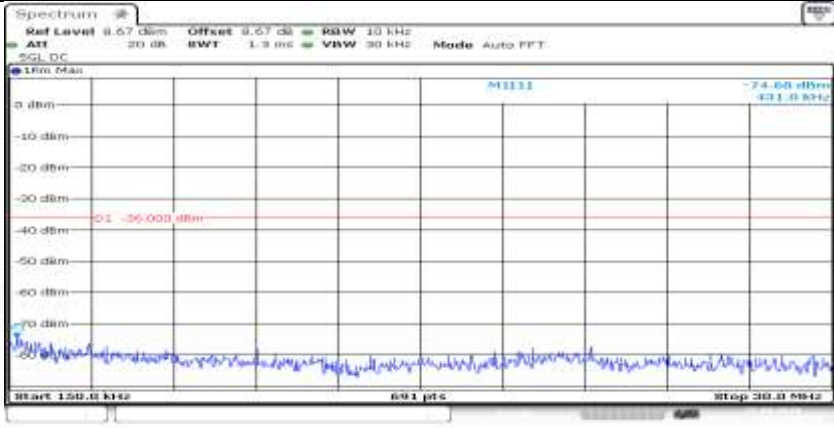
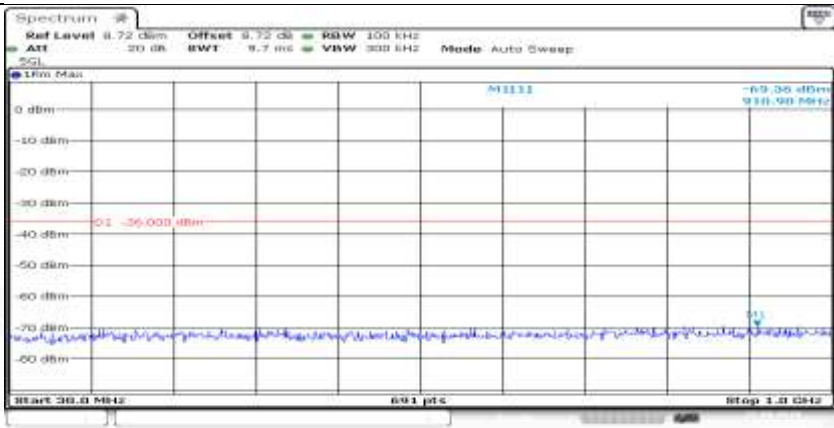
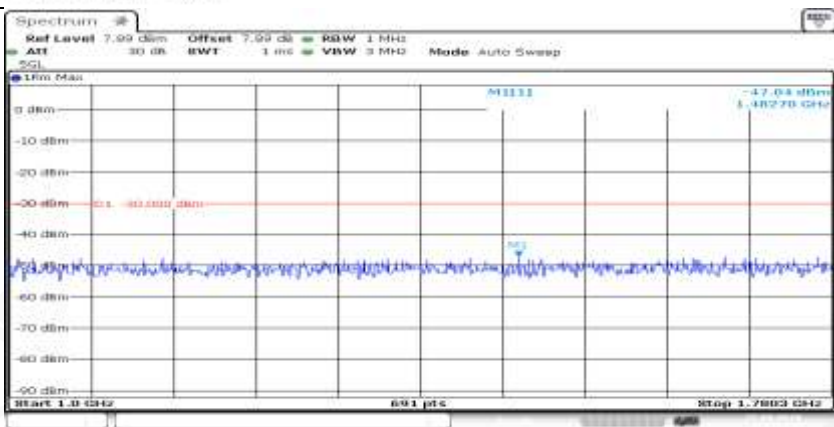
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

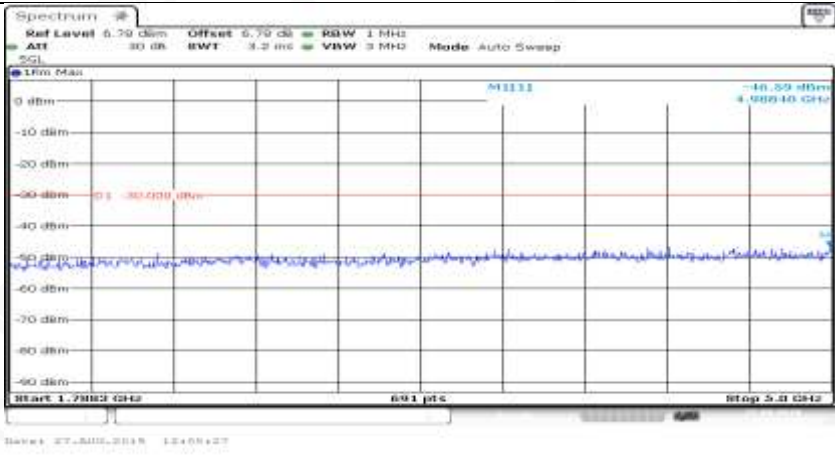
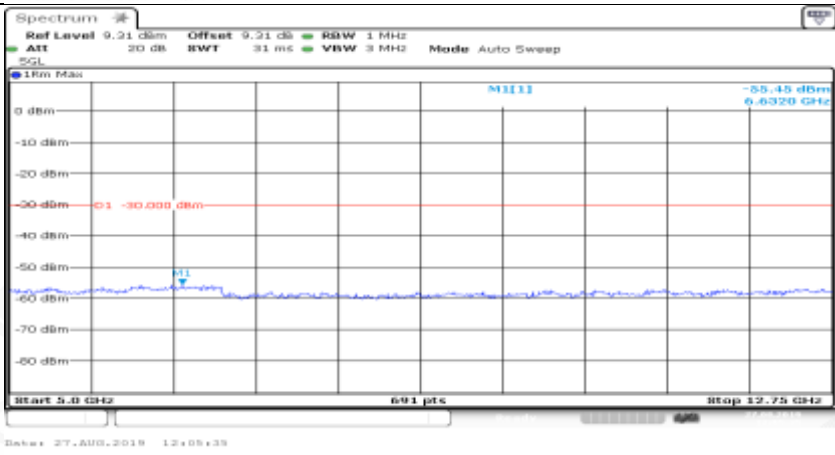
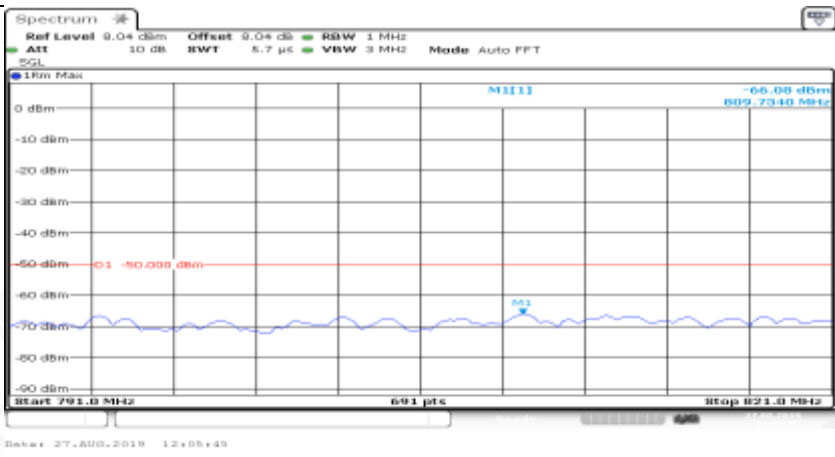


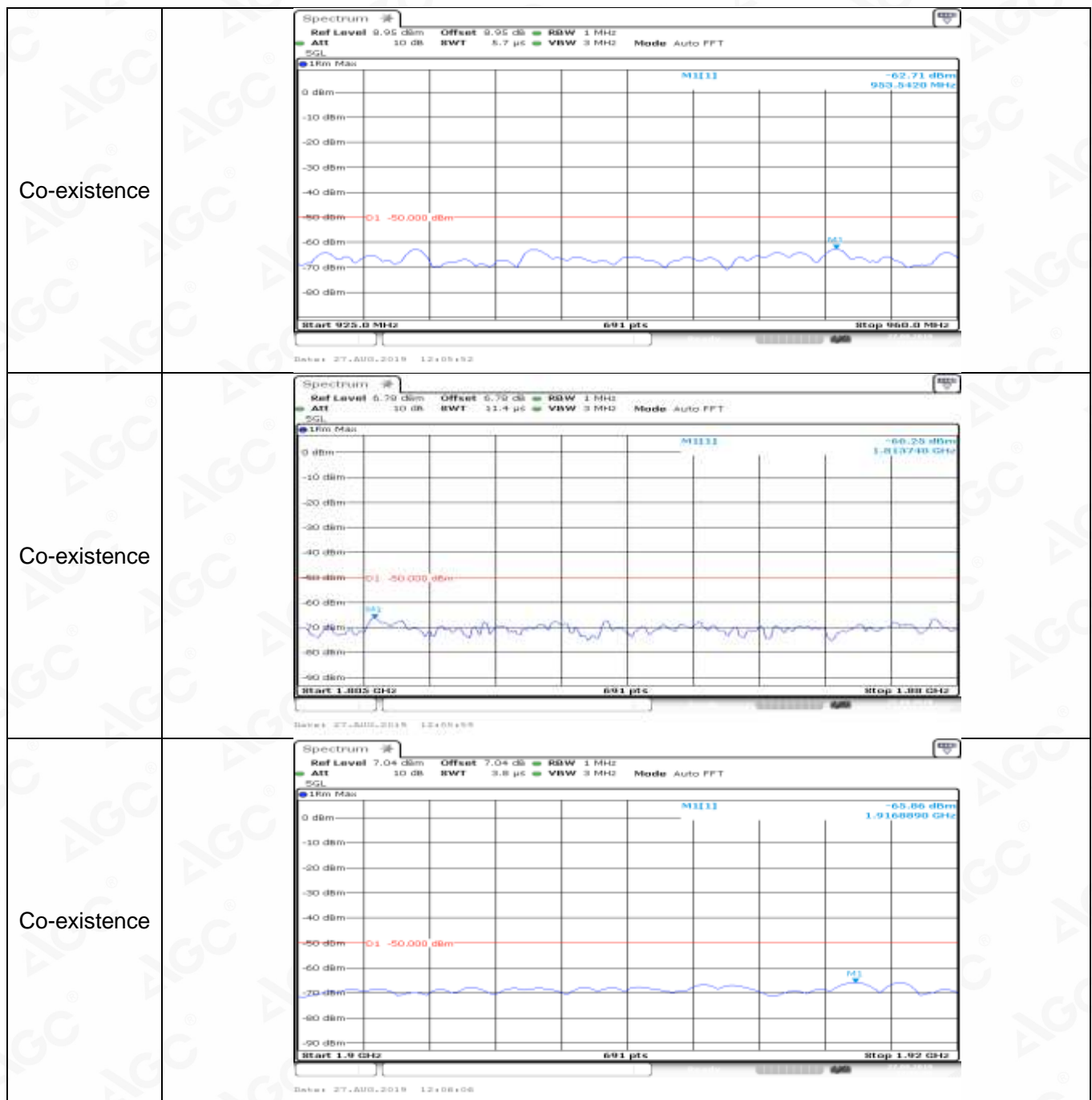
Co-existence	
Co-existence	
Additional	NA

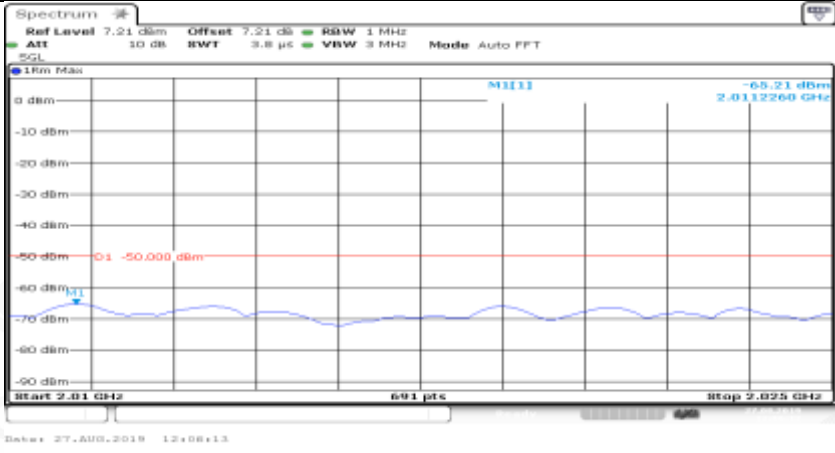
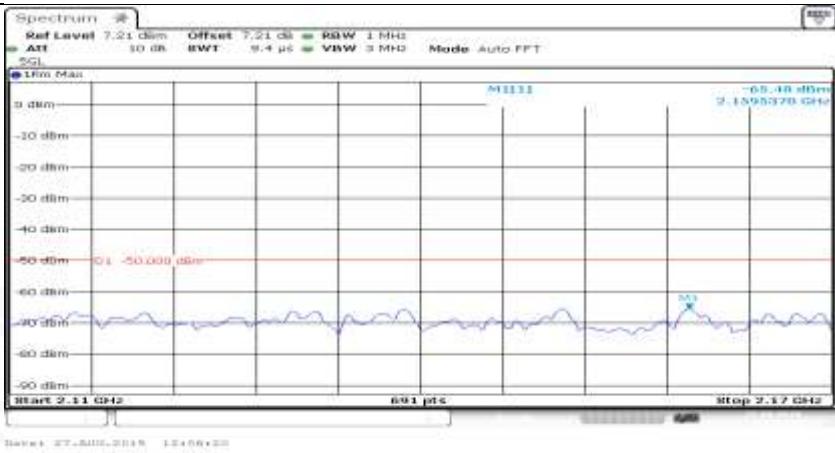
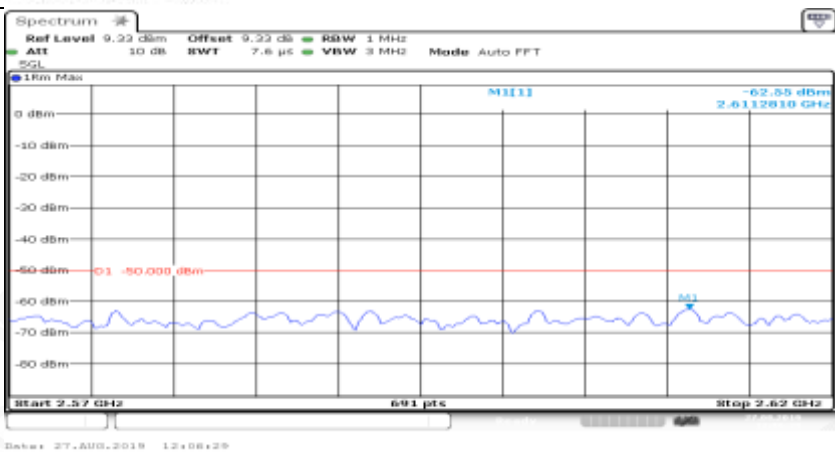
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#max	
General	


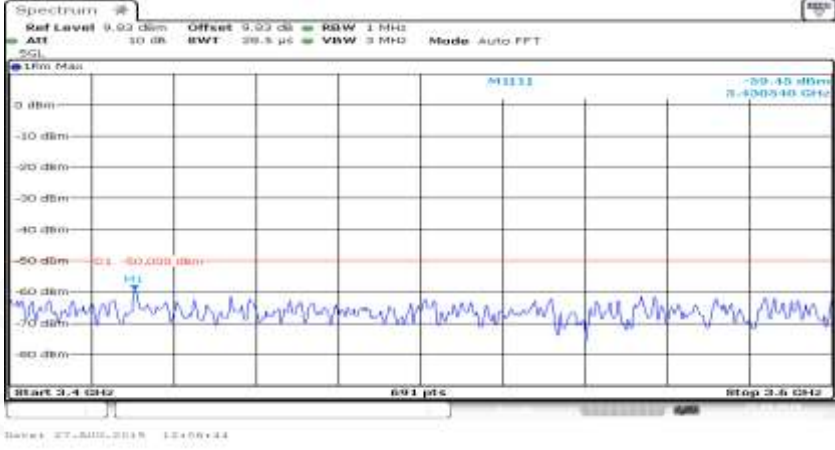

General	
General	
General	



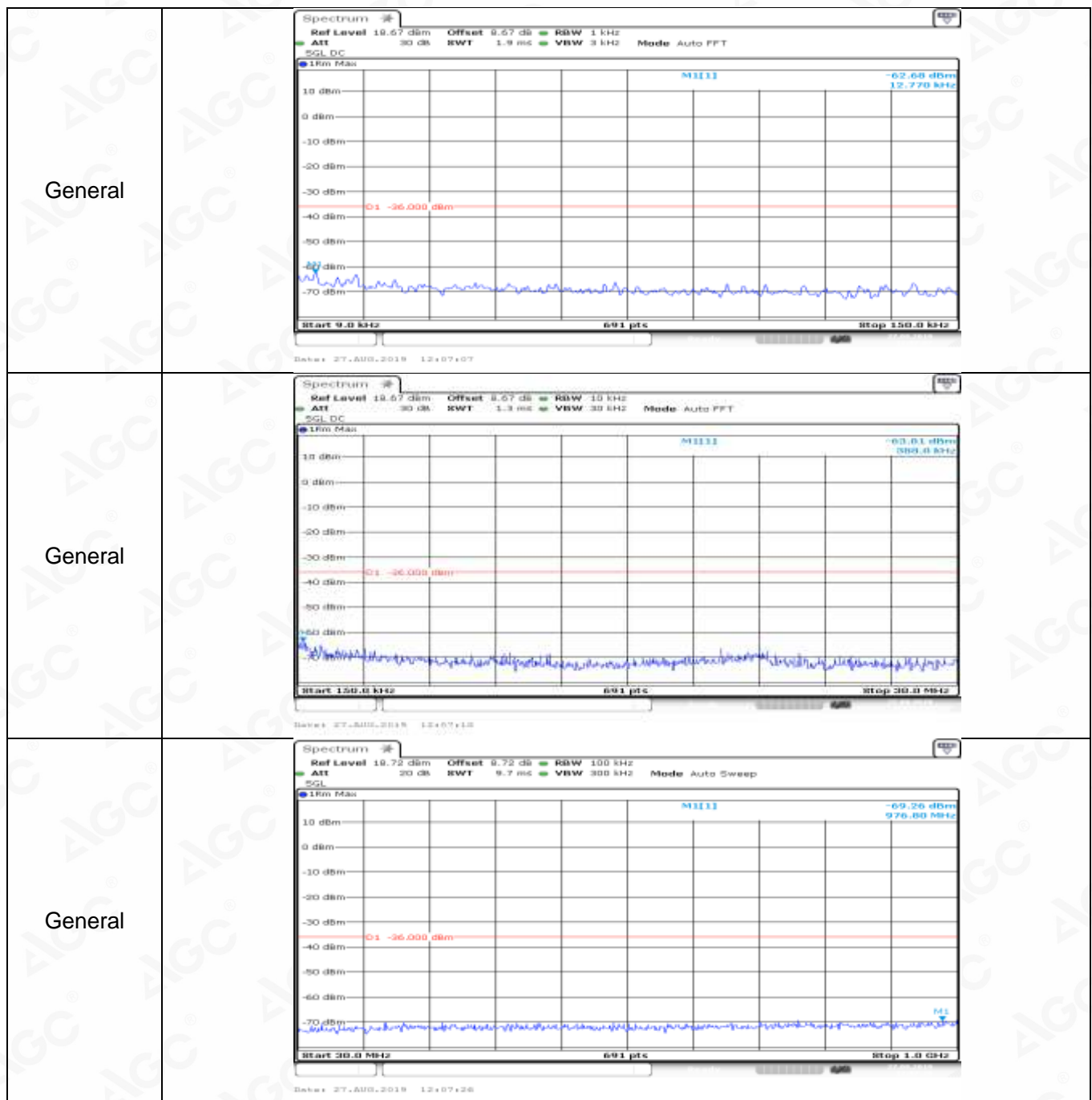
General	
General	
Co-existence	

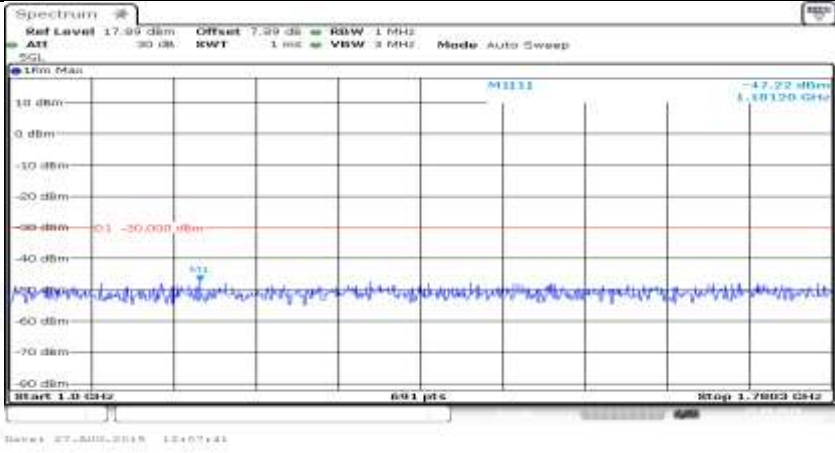
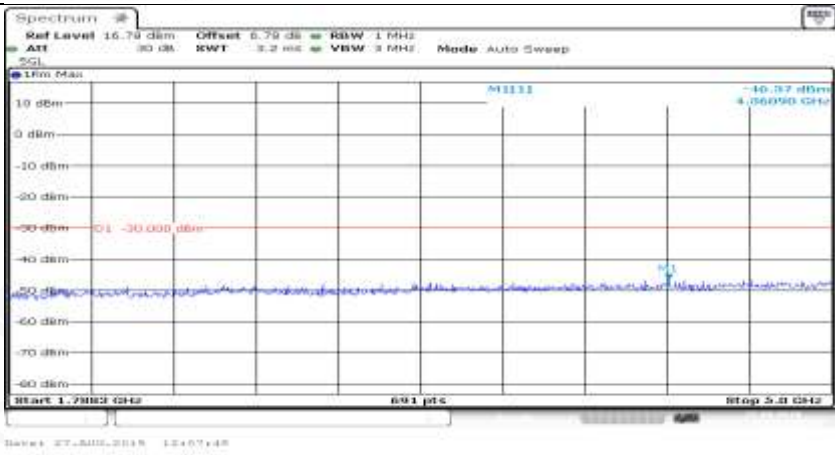
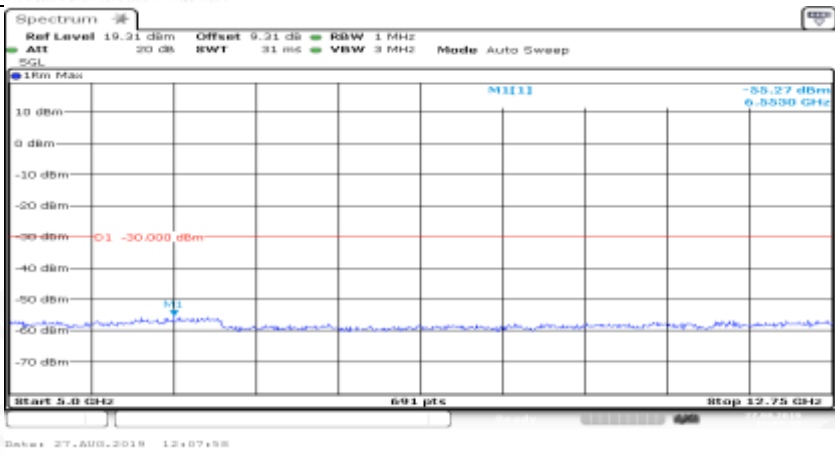


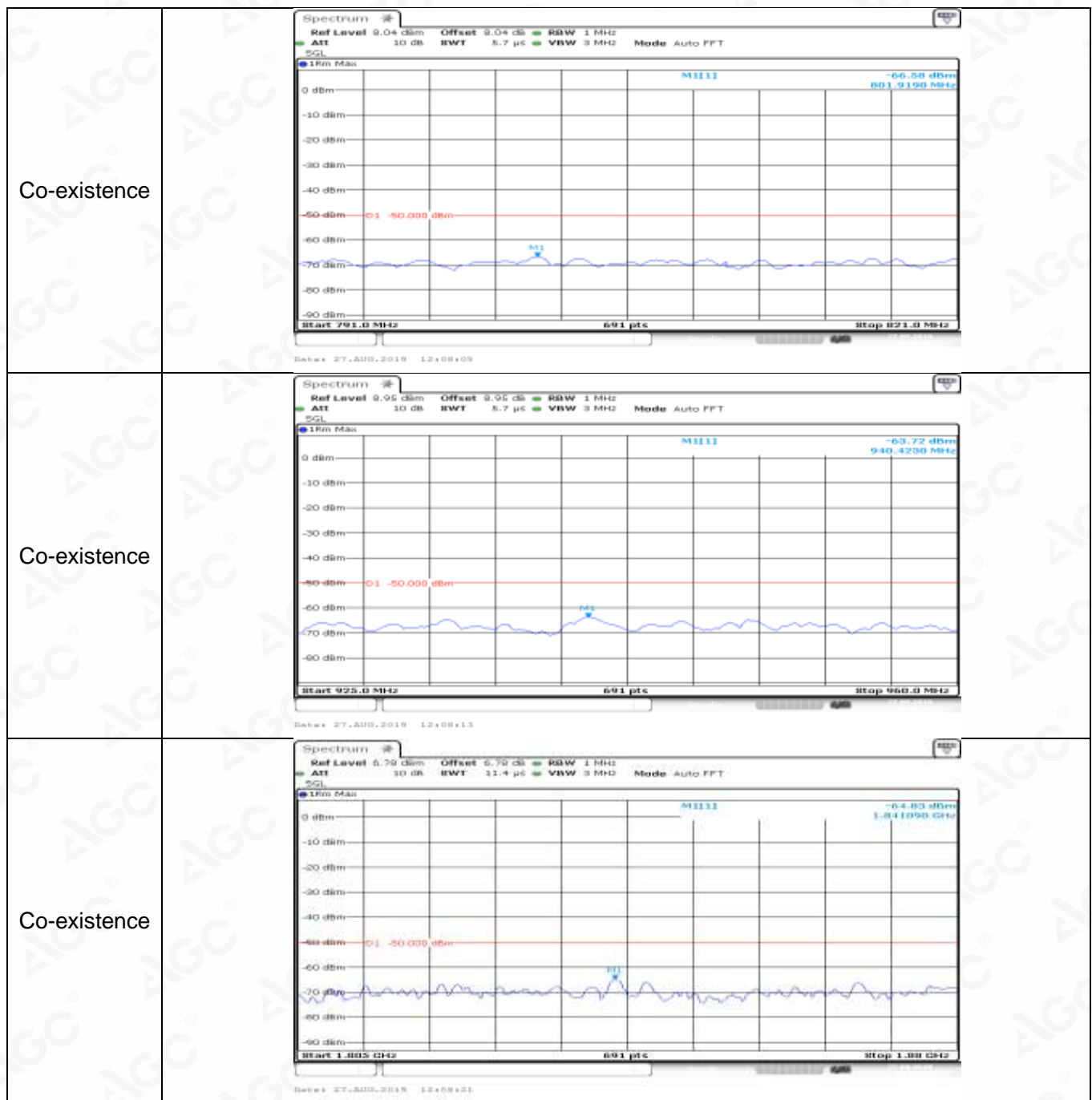
Co-existence	
Co-existence	
Co-existence	

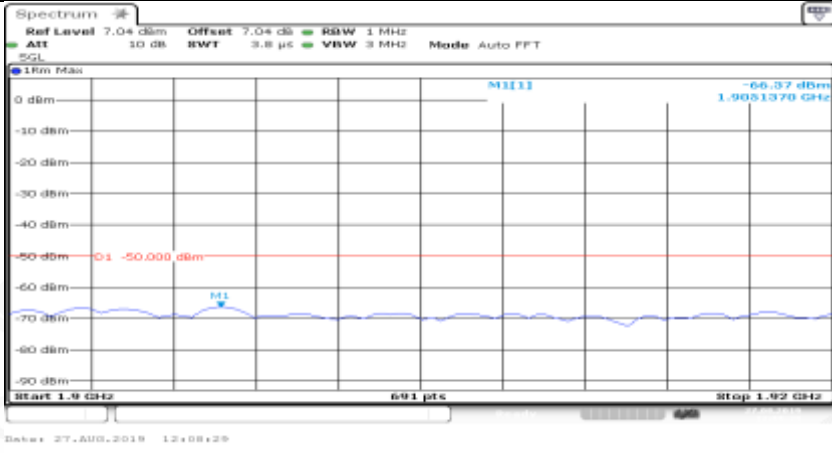
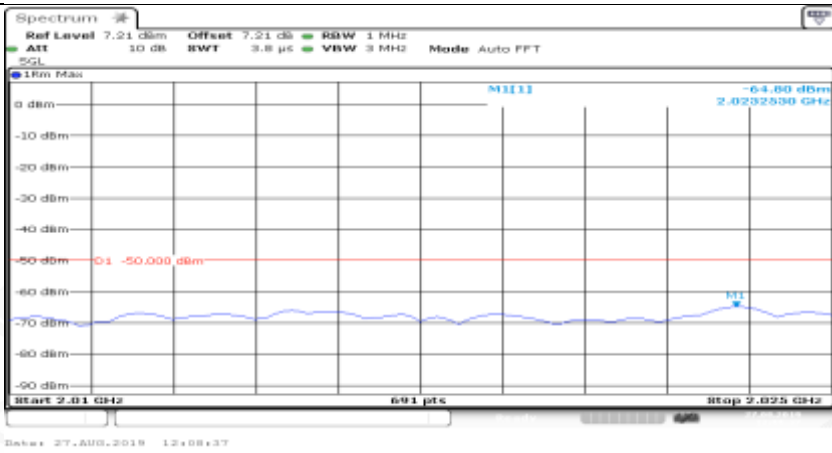
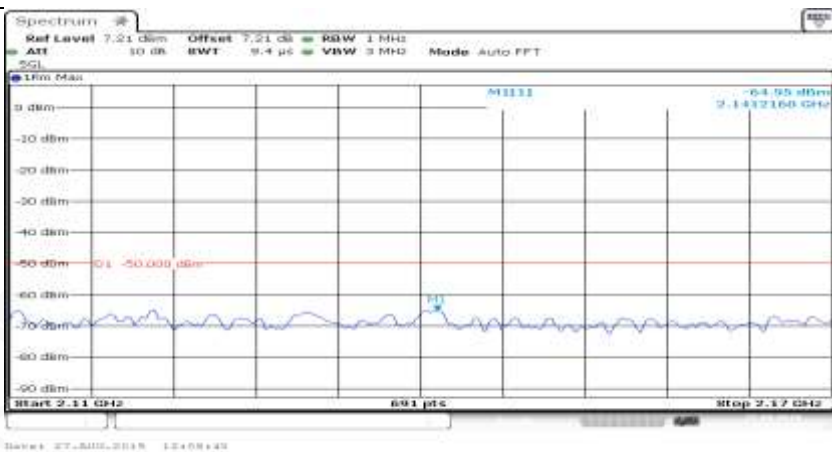
Co-existence	
Co-existence	
Co-existence	
Additional	NA

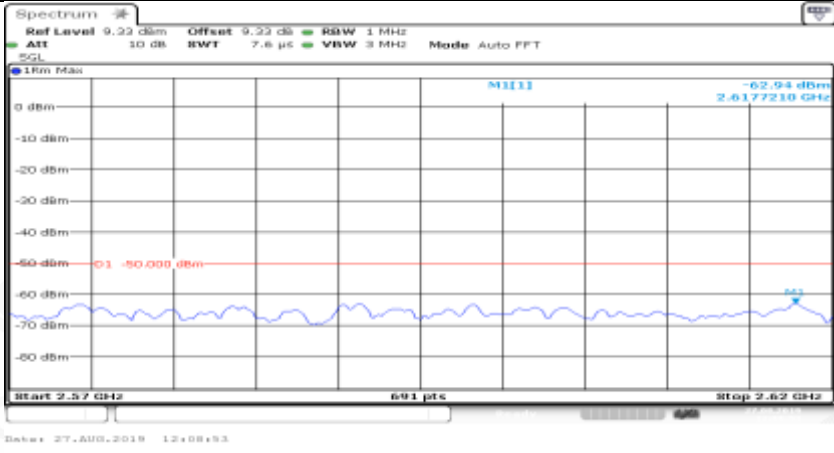


Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullIRB#0



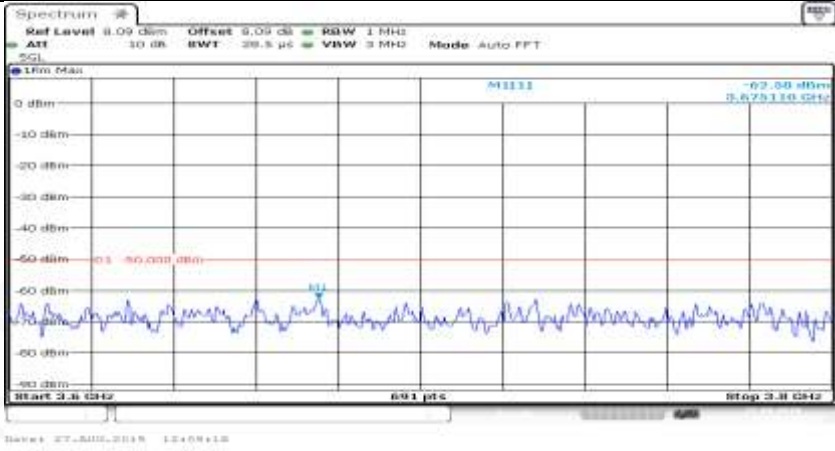
General	
General	
General	



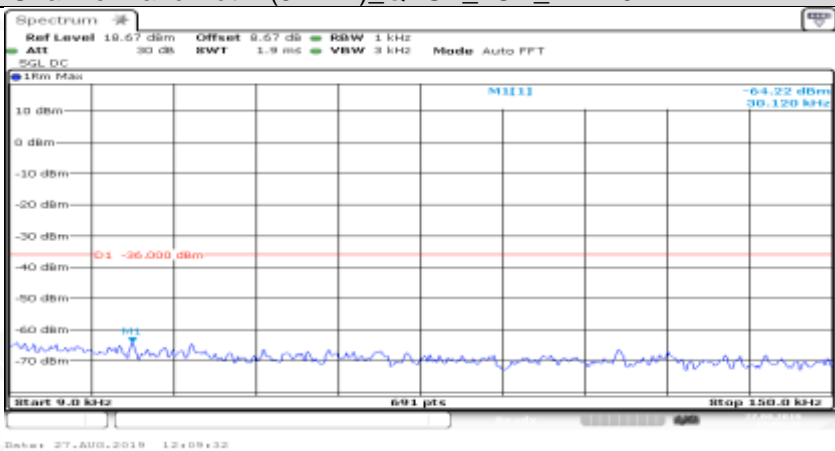
Co-existence	
Co-existence	
Co-existence	

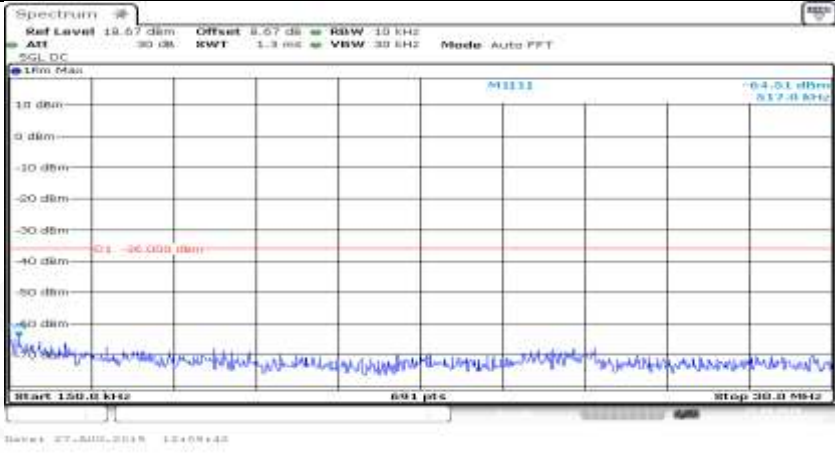

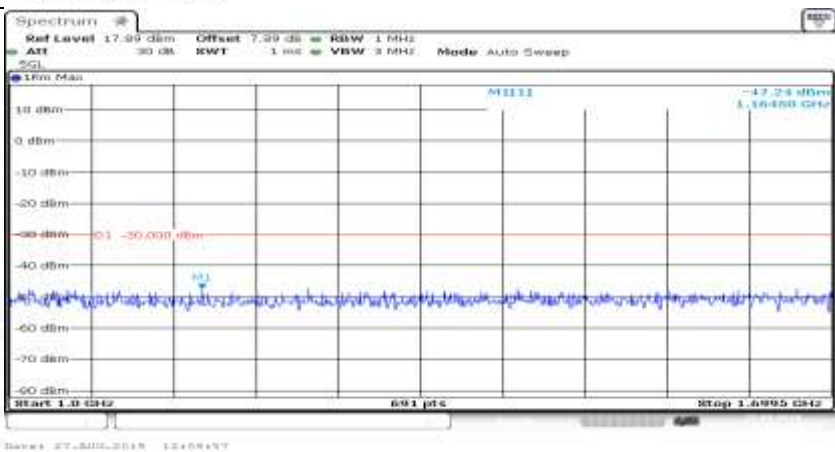
Co-existence	
Co-existence	
Co-existence	

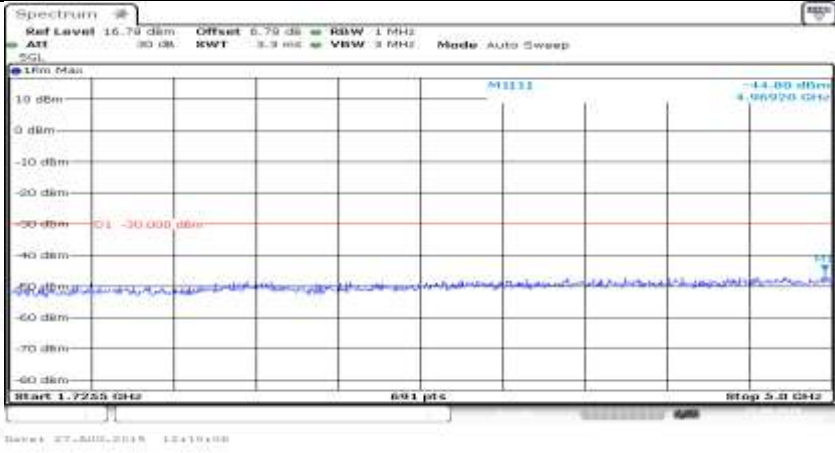
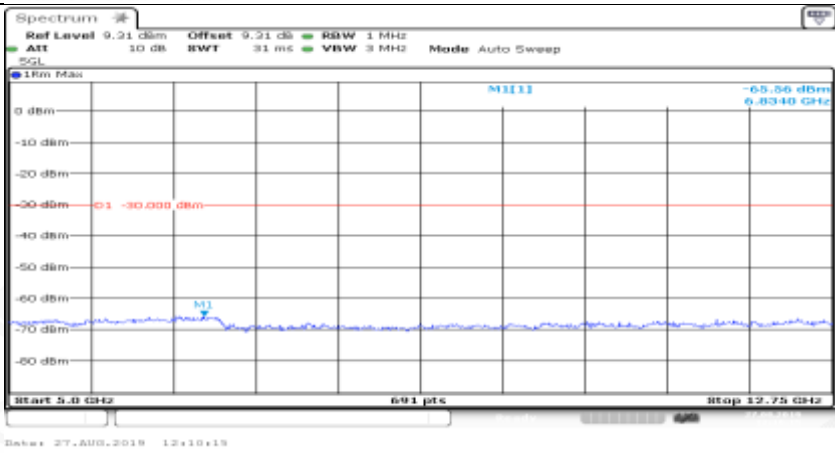
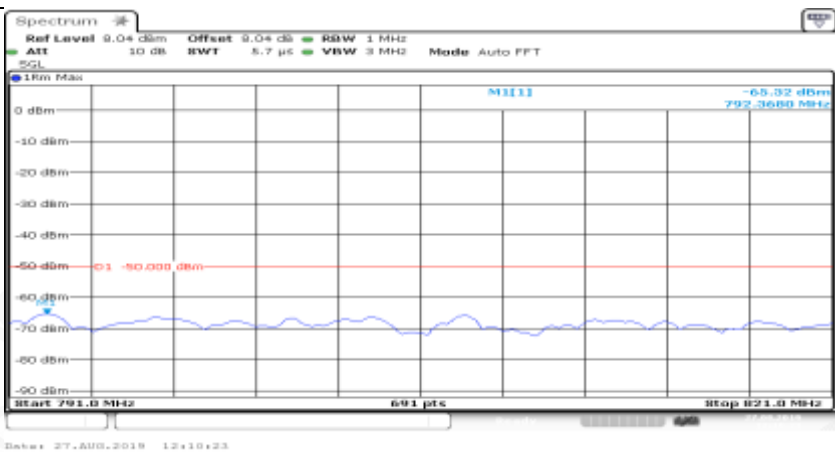


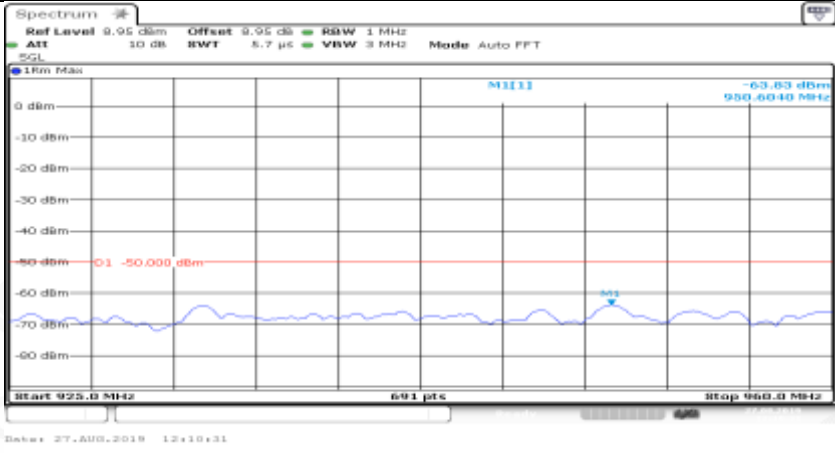

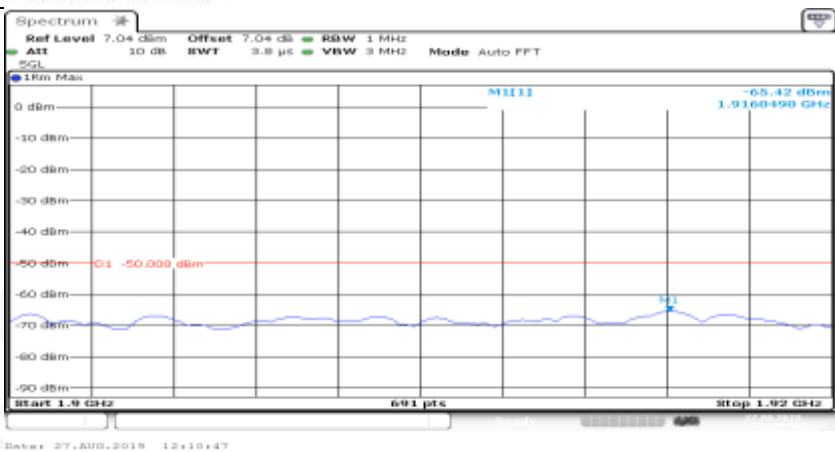
Co-existence	
Additional	NA

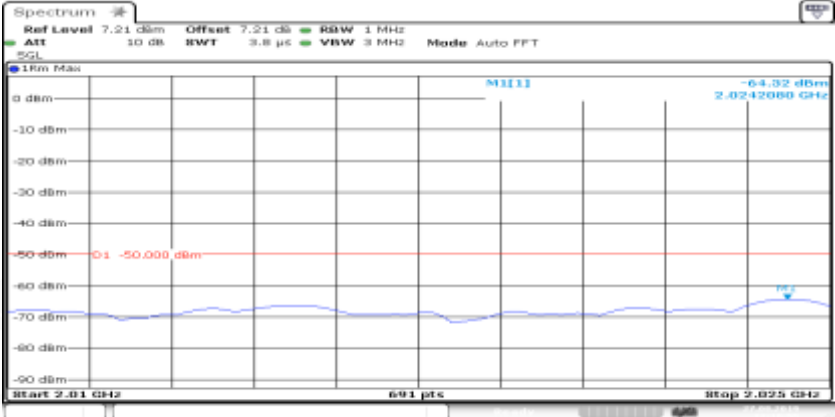
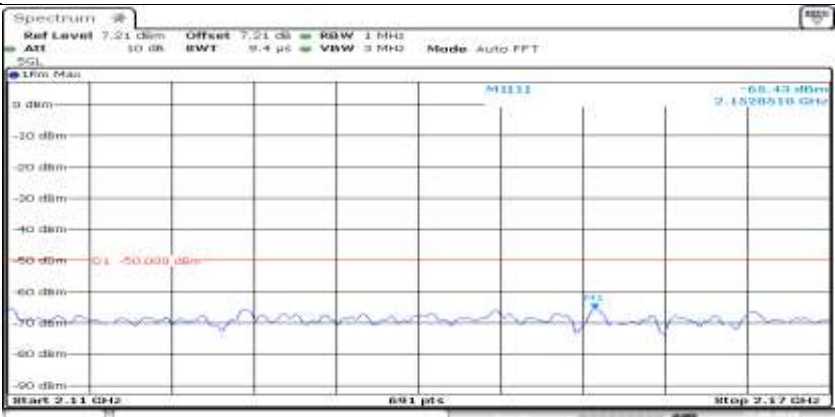
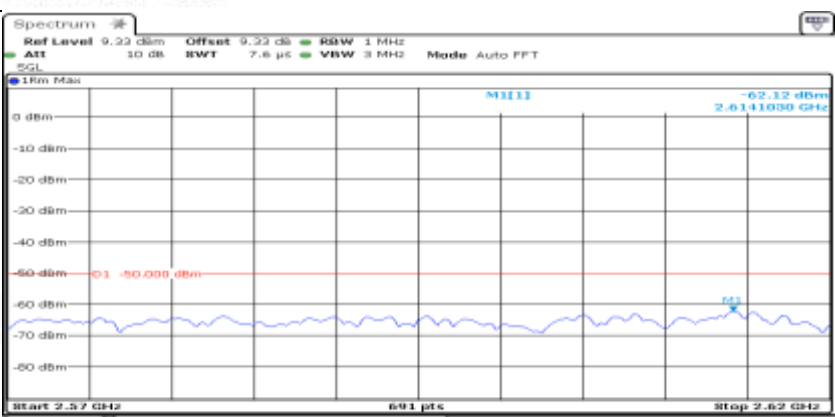
Channel Bandwidth= (5 MHz)

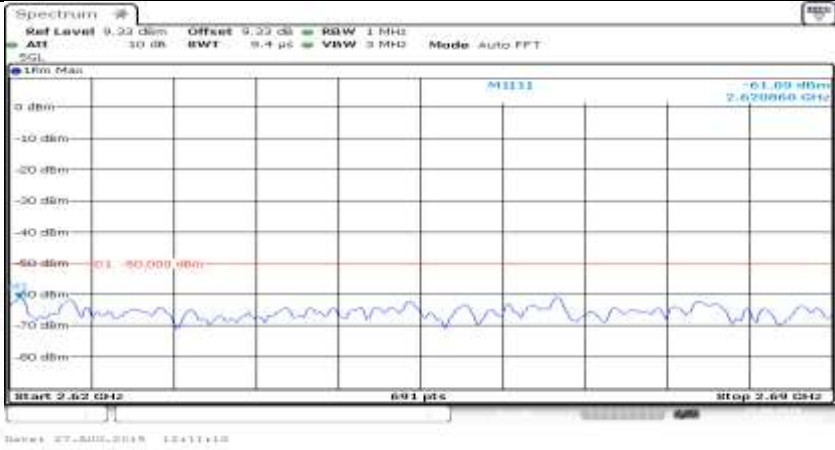
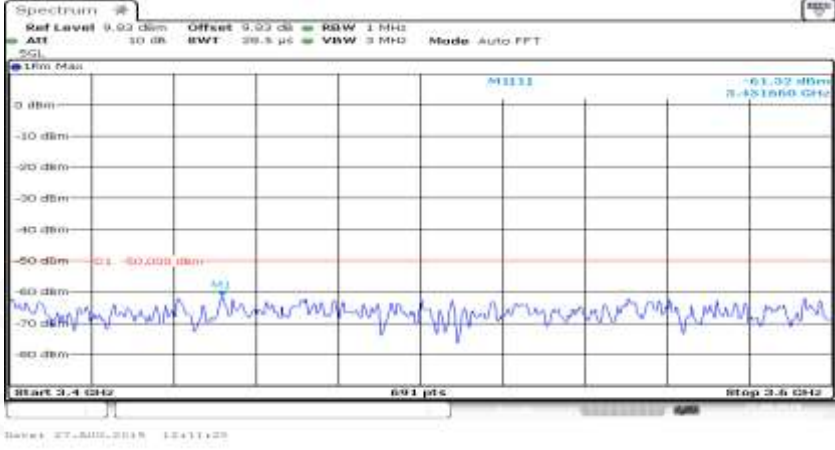
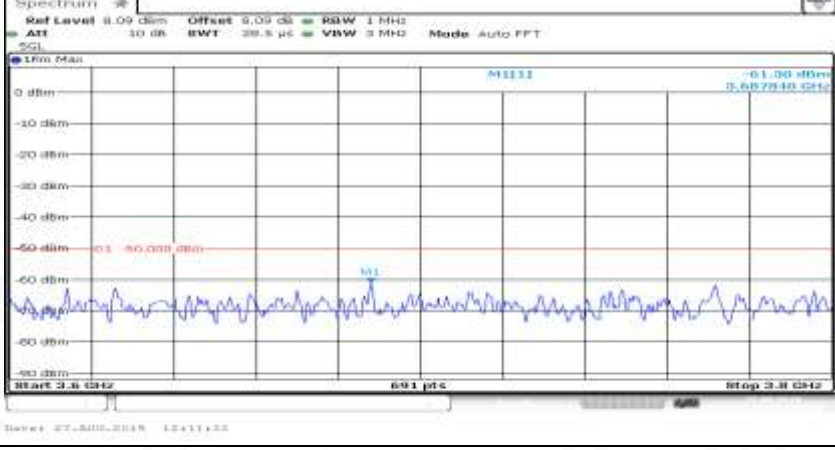
Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	

General	
General	
General	

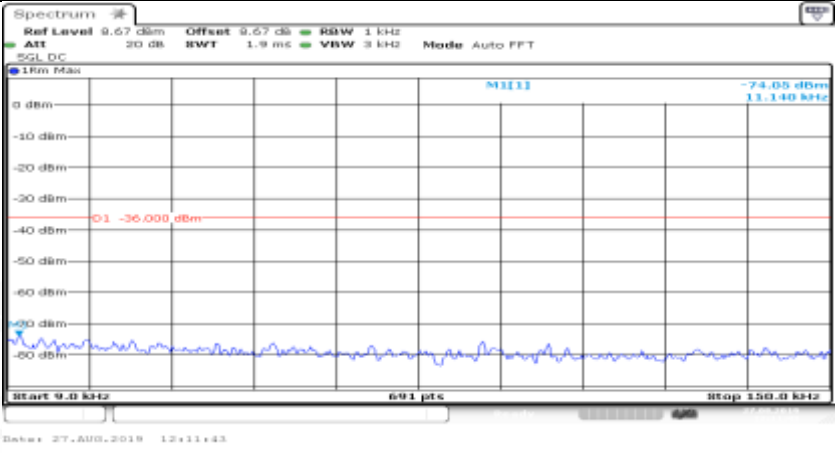
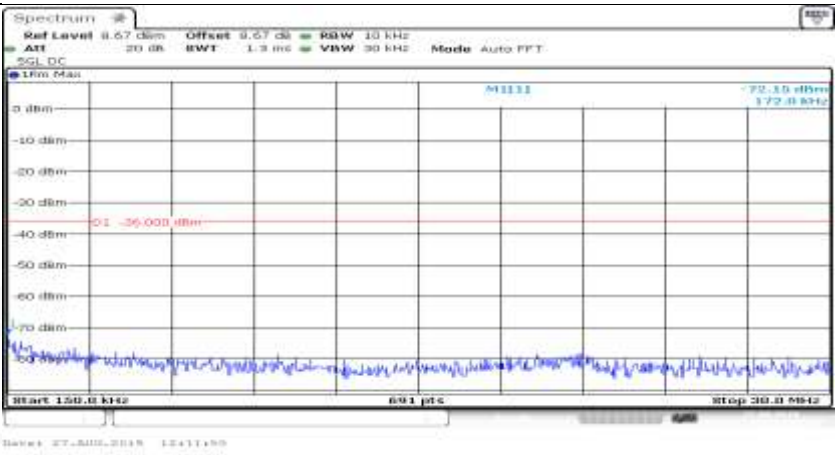
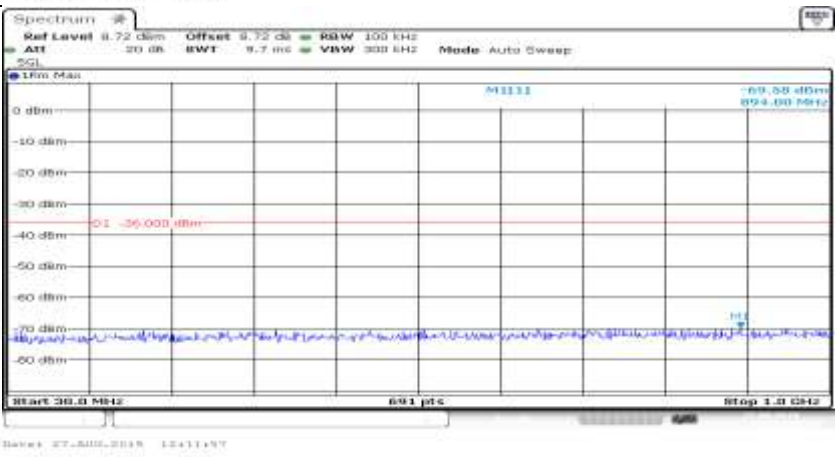
General	
General	
Co-existence	

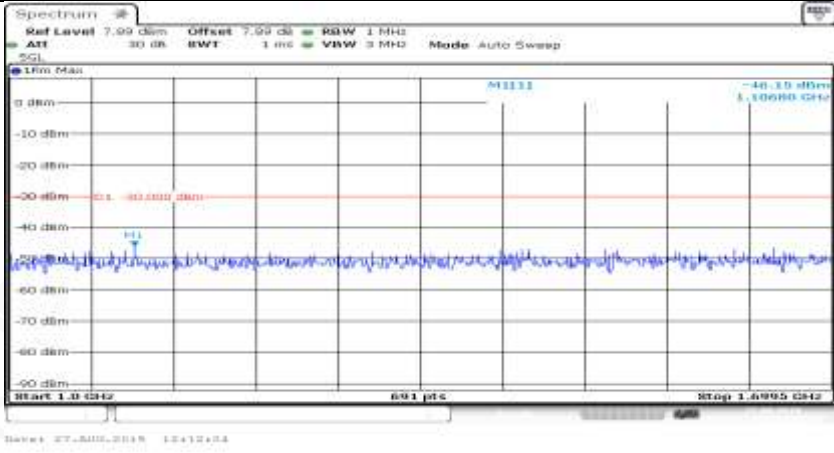
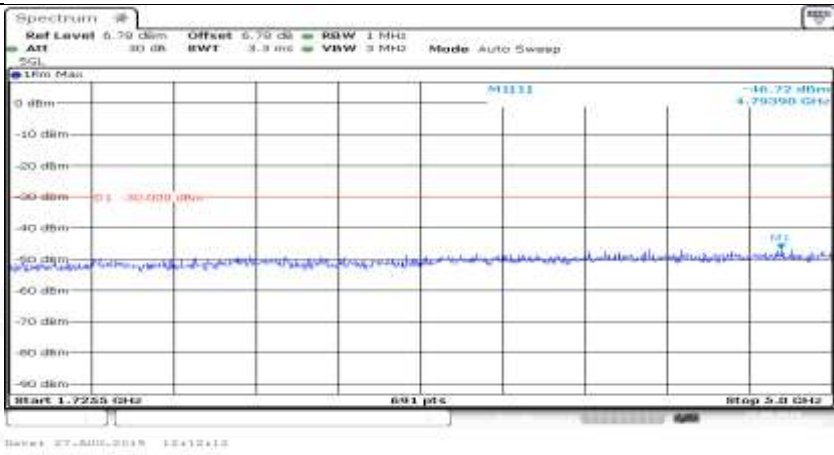
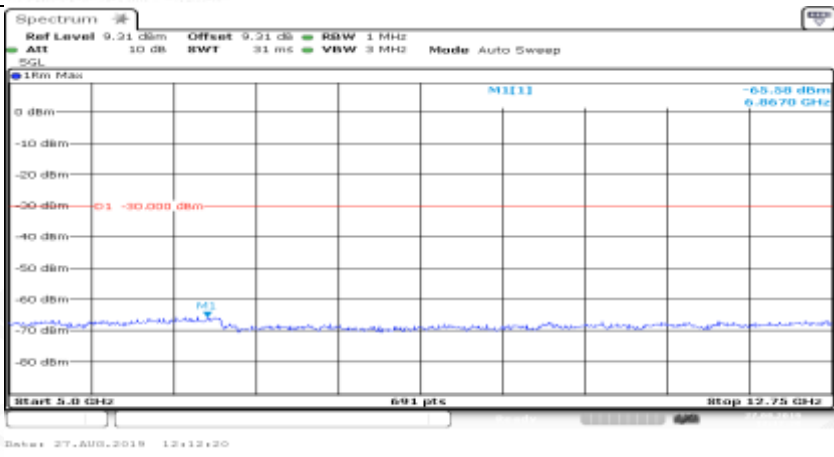
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

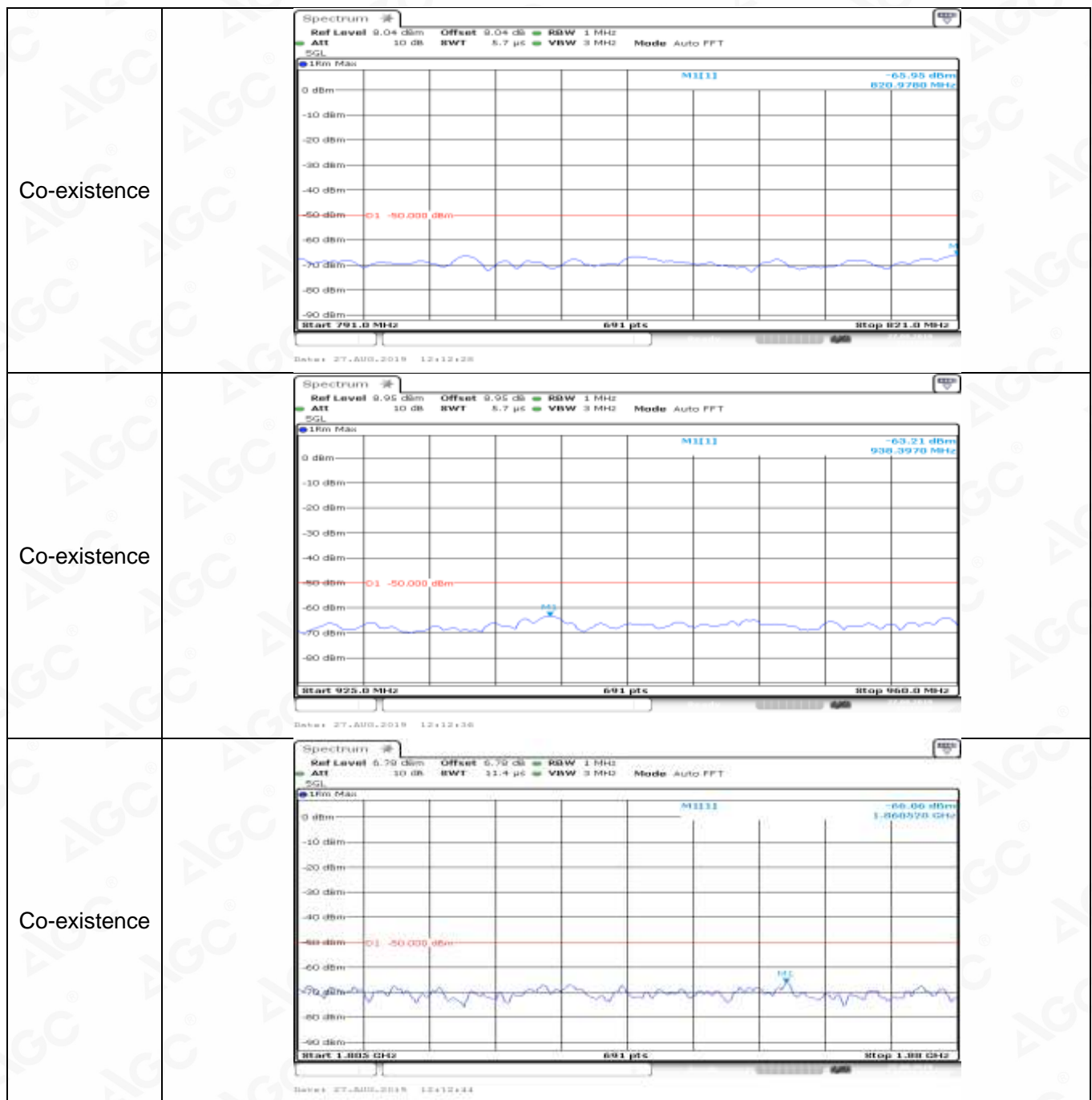
Co-existence	
Co-existence	
Co-existence	
Additional	NA

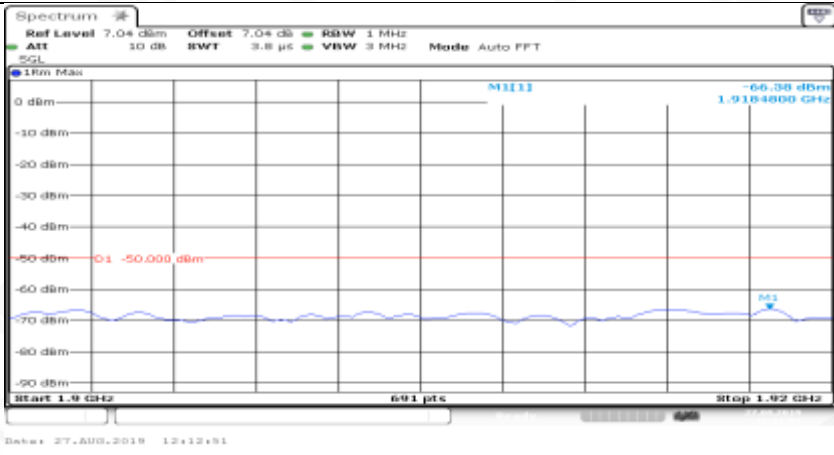
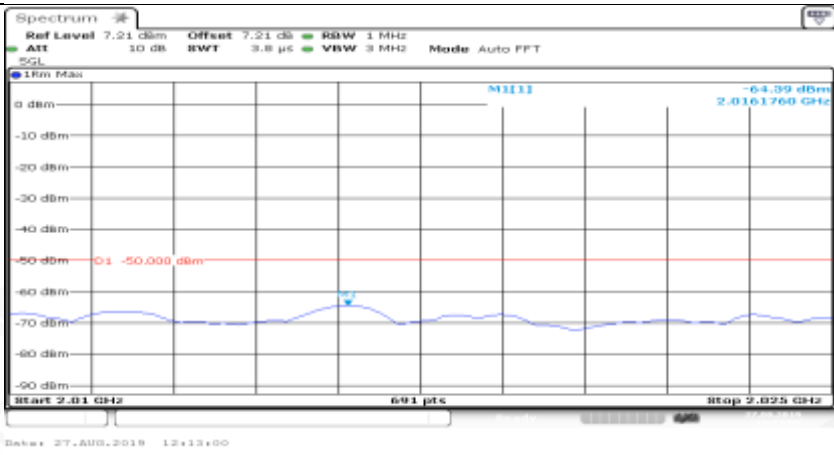

Channel Bandwidth= (5 MHz)_QPSK_LCH_1RB#max

General	
General	
General	

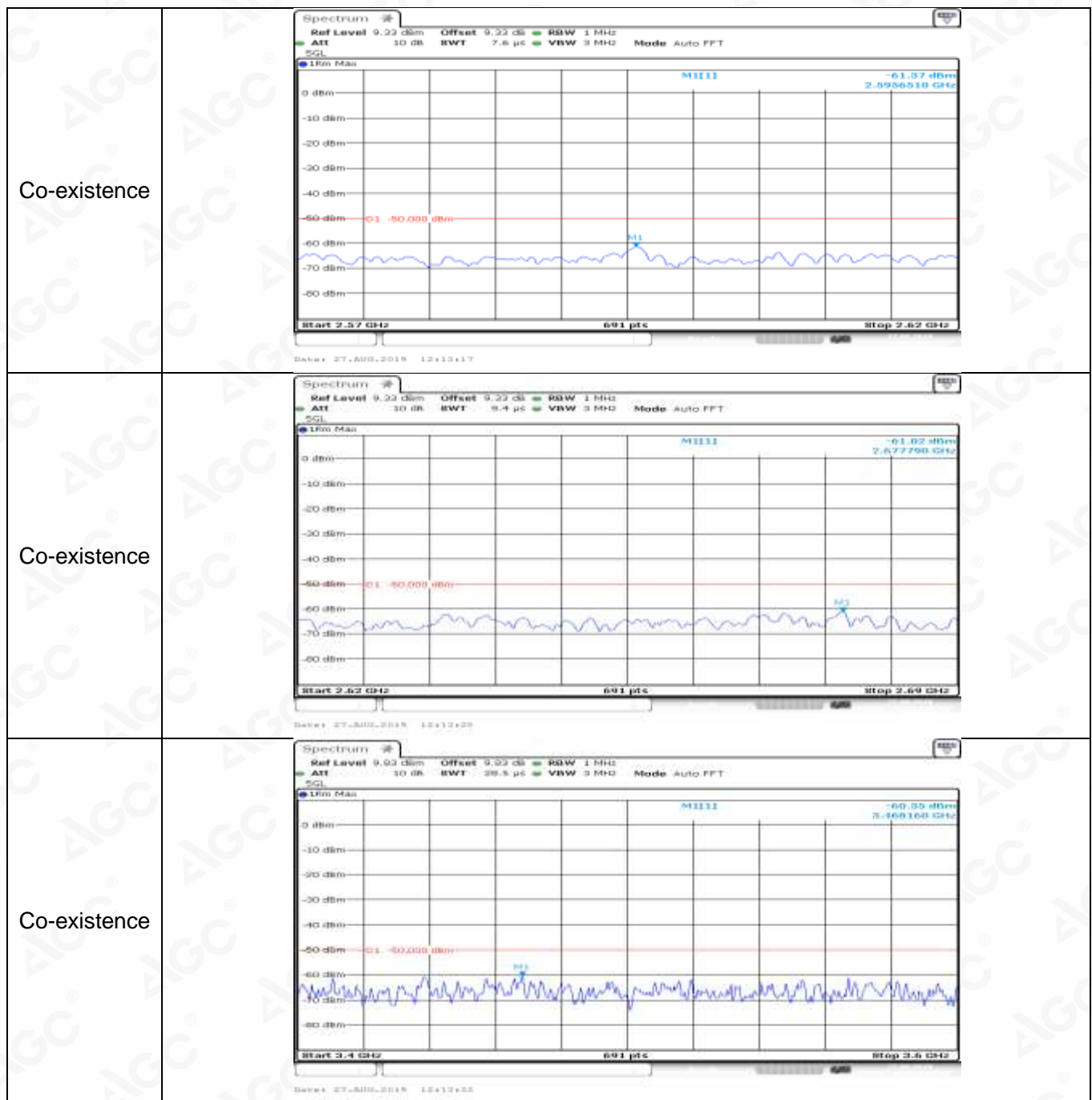
General	 <p>Spectrum plot showing a signal at approximately 1.3 GHz. The y-axis ranges from -90 dBm to 0 dBm. The x-axis ranges from 1.3 GHz to 1.4 GHz. A red line indicates a reference level at -30 dBm. The signal is labeled M1111.</p>
General	 <p>Spectrum plot showing a signal at approximately 1.7 GHz. The y-axis ranges from -90 dBm to 0 dBm. The x-axis ranges from 1.7 GHz to 1.8 GHz. A red line indicates a reference level at -30 dBm. The signal is labeled M1111.</p>
General	 <p>Spectrum plot showing a signal at approximately 5.3 GHz. The y-axis ranges from -90 dBm to 0 dBm. The x-axis ranges from 5.3 GHz to 5.4 GHz. A red line indicates a reference level at -30 dBm. The signal is labeled M1111.</p>

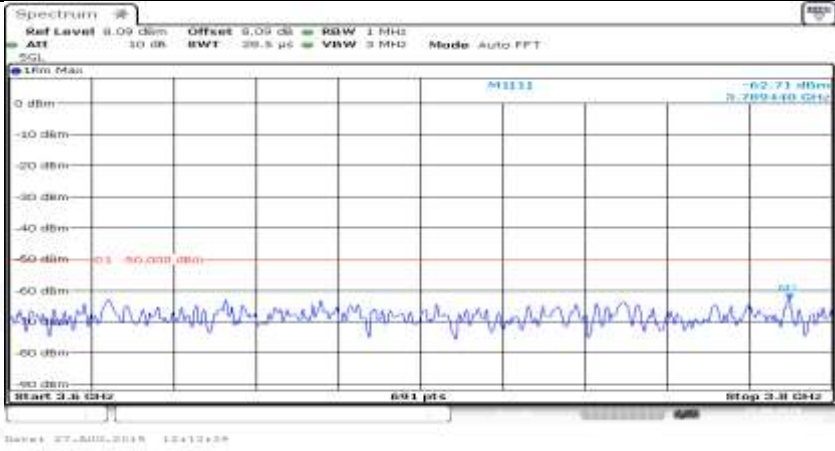


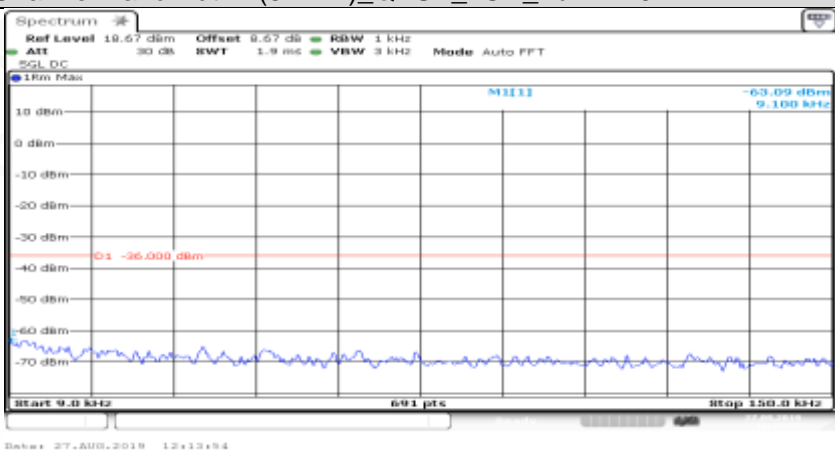
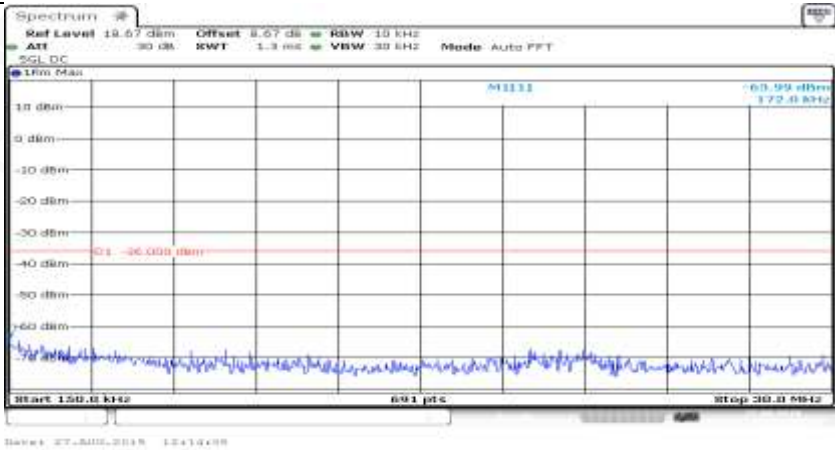


Co-existence	
Co-existence	
Co-existence	



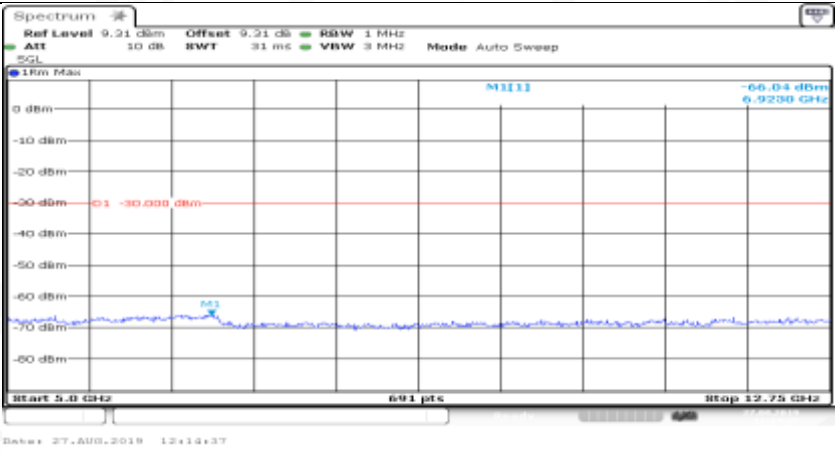
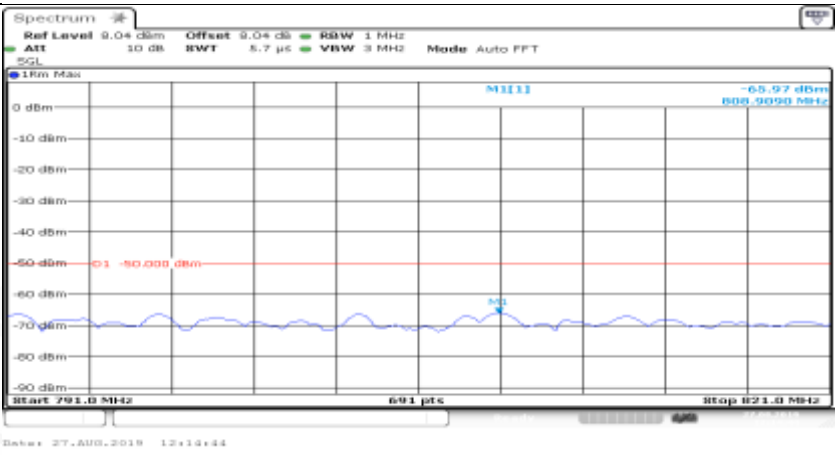
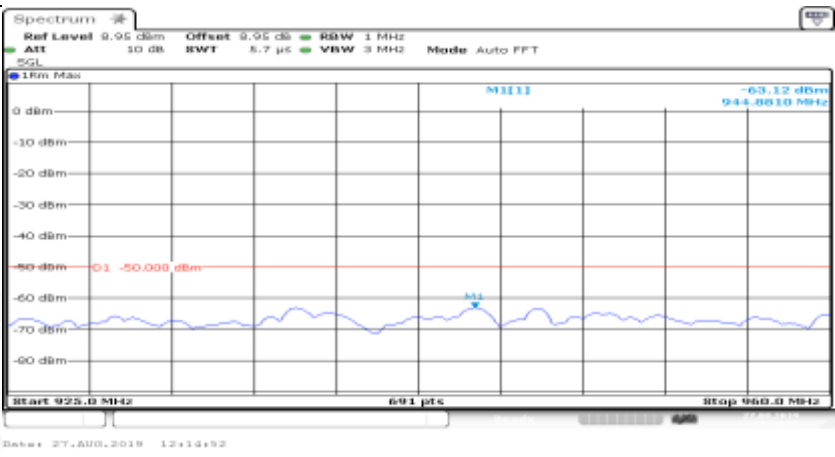



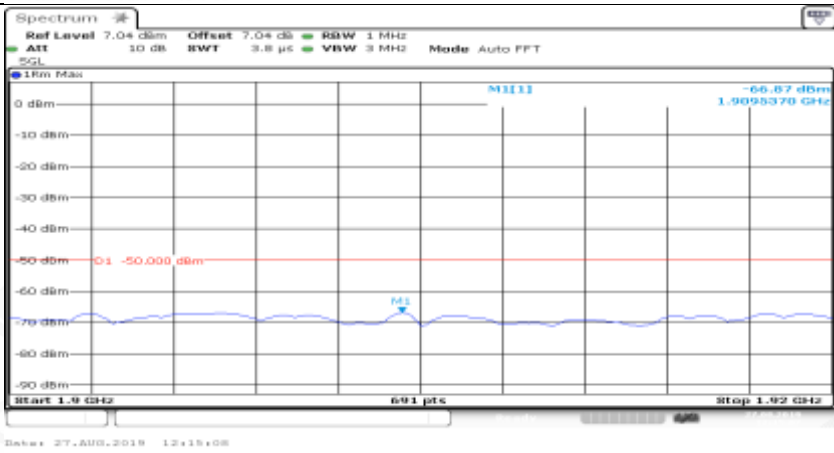
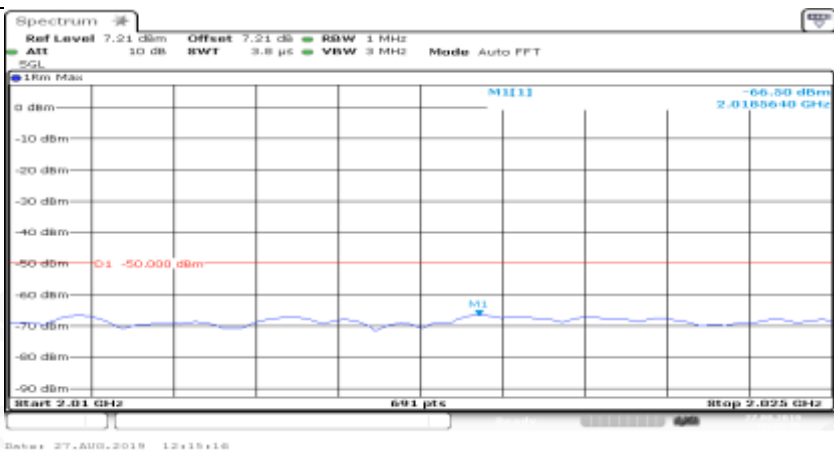
Co-existence	
Additional	NA

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


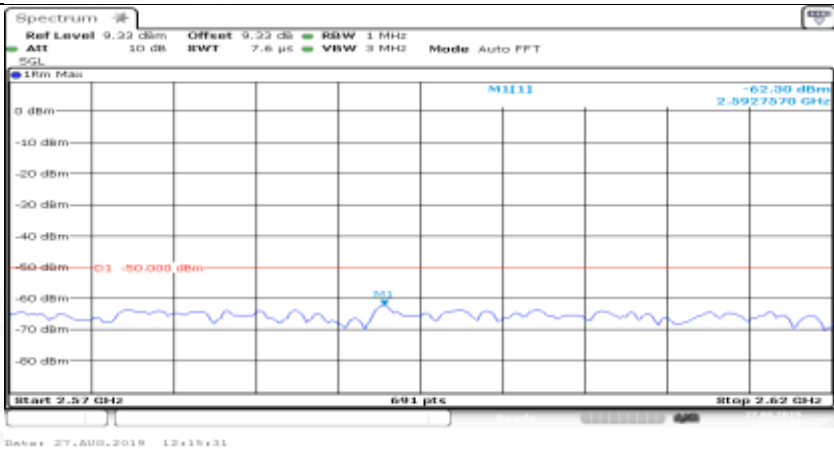
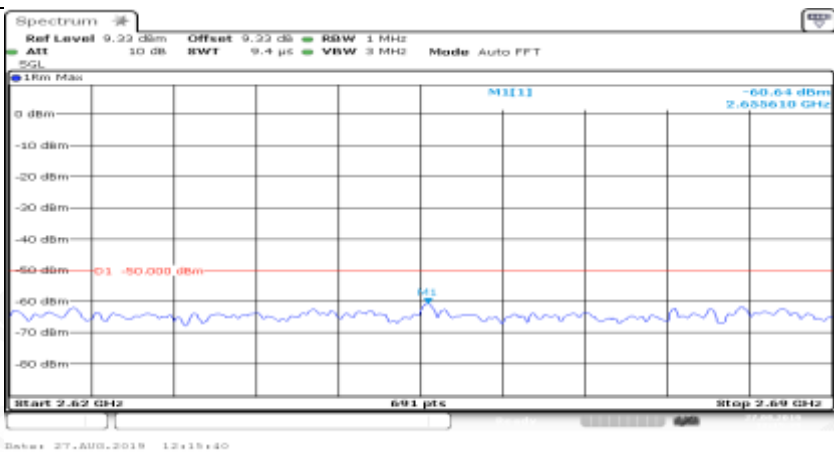


Attestation of Global Compliance

General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

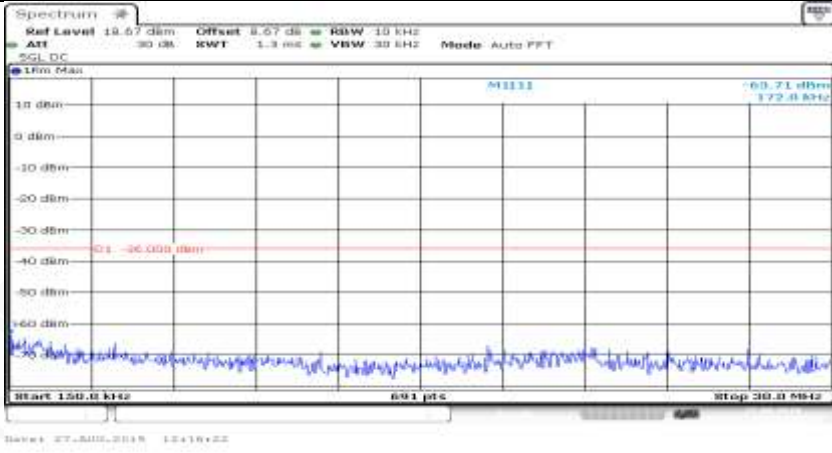
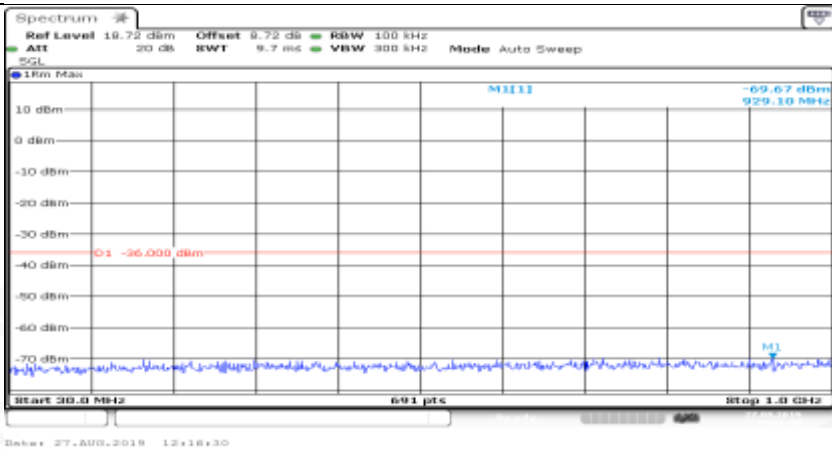
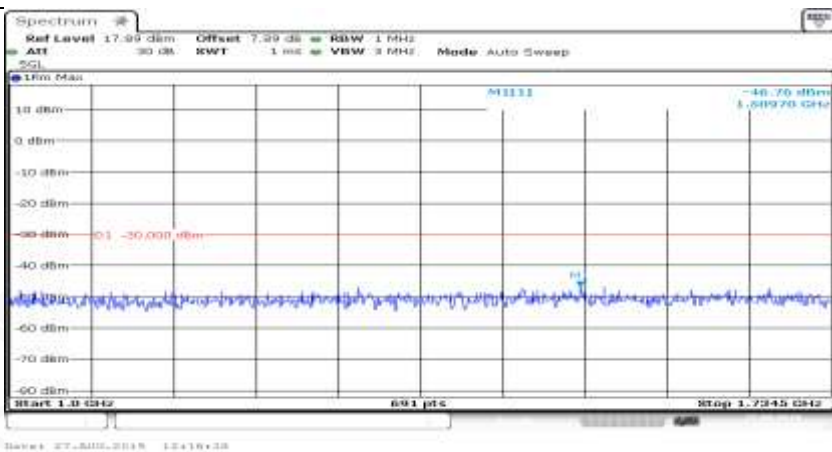


Co-existence	
Co-existence	
Co-existence	

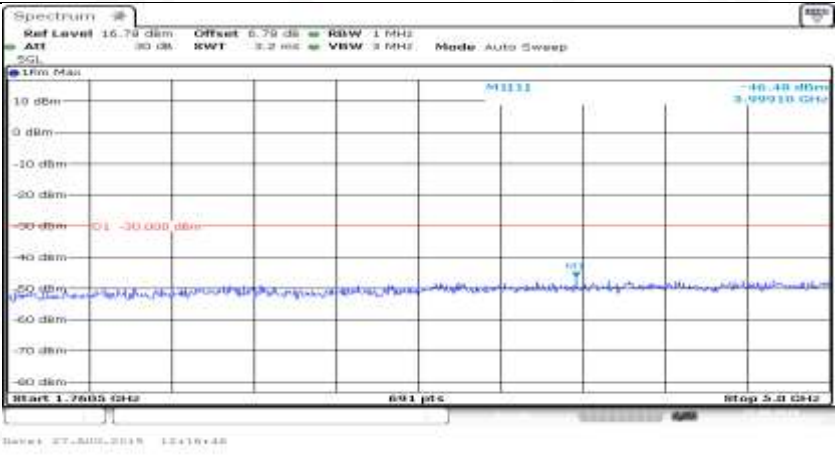
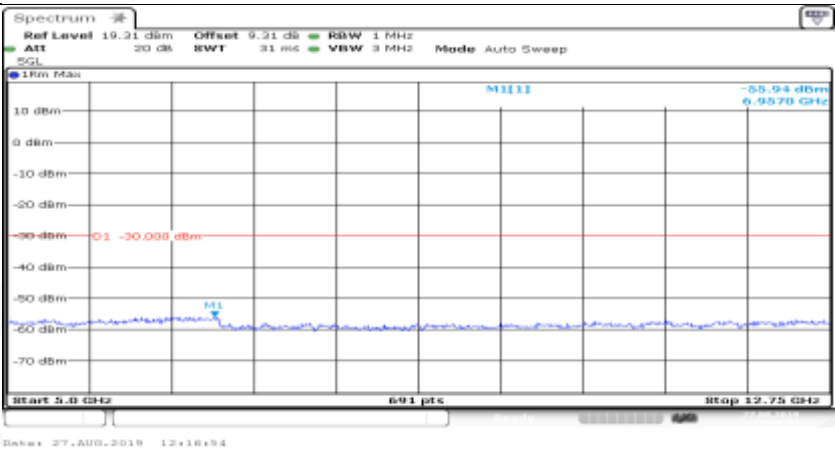
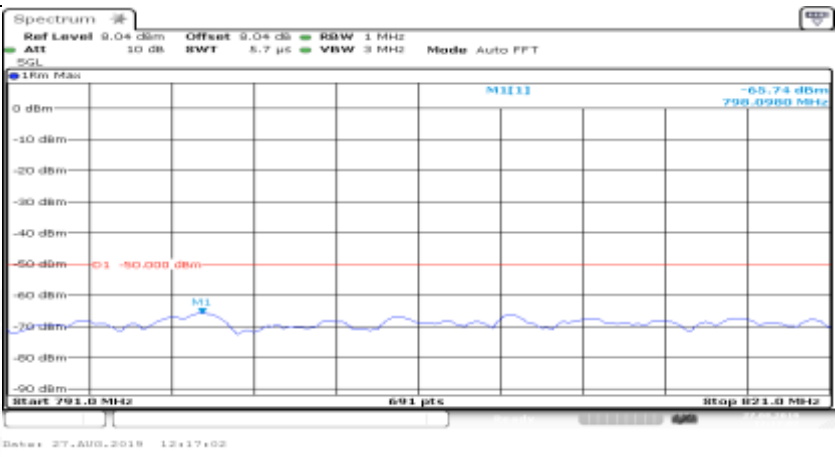


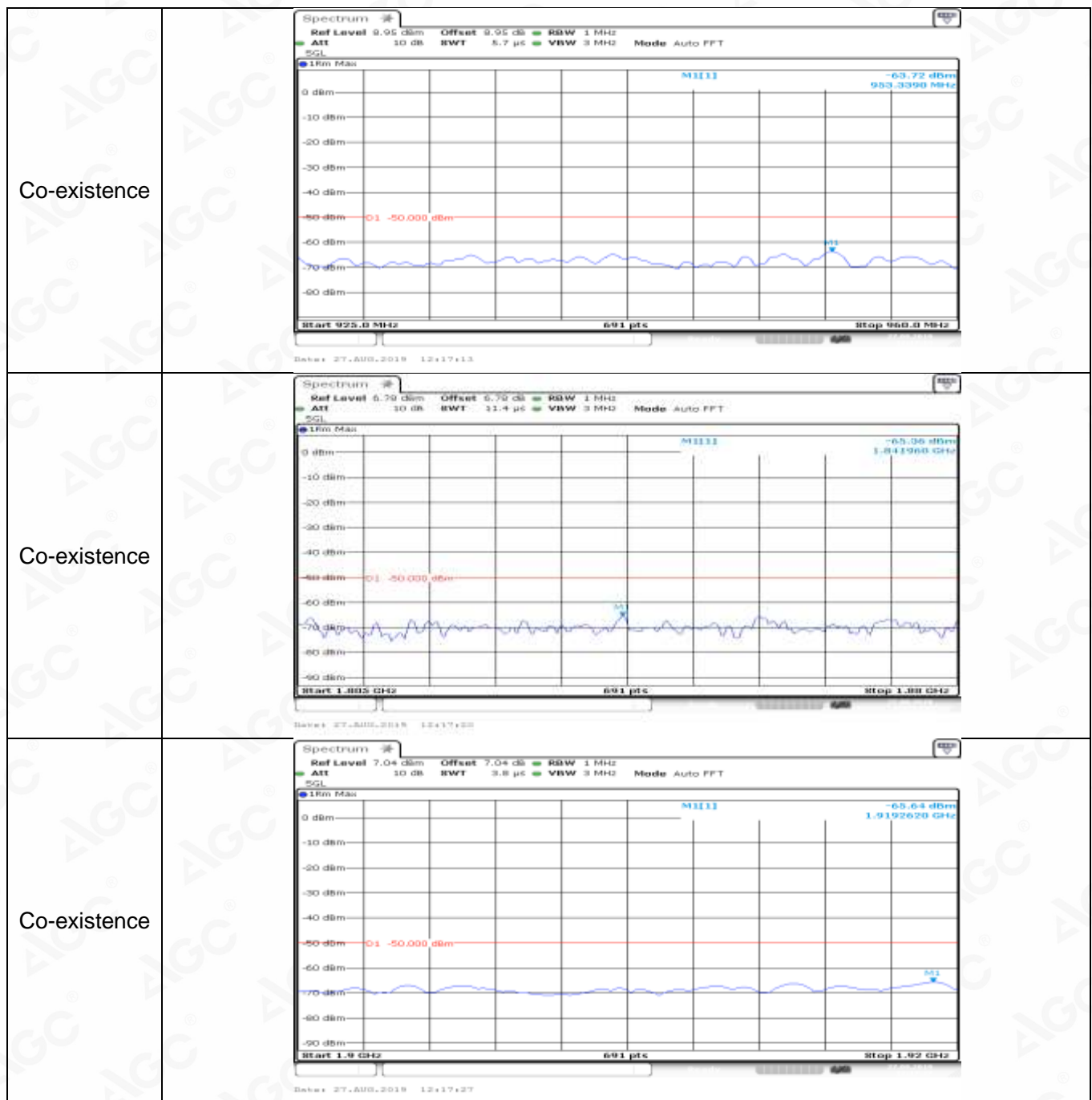
Co-existence	
Co-existence	
Additional	NA

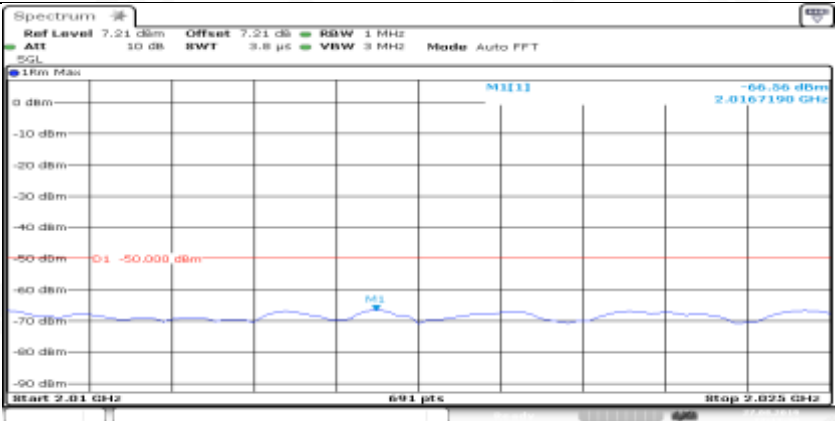
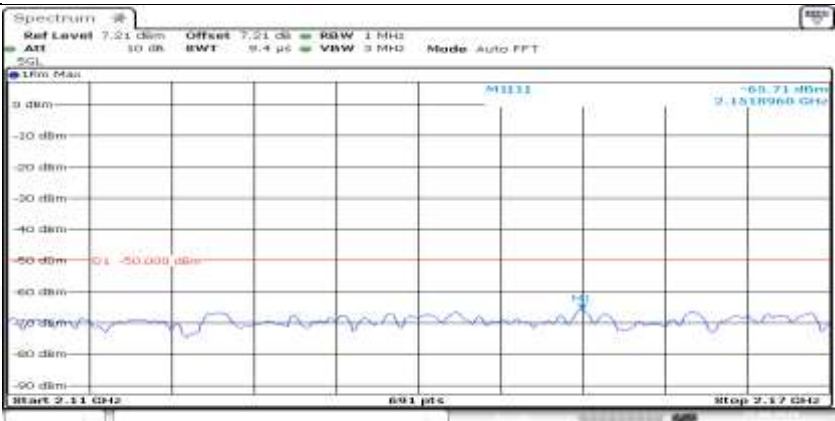

Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	


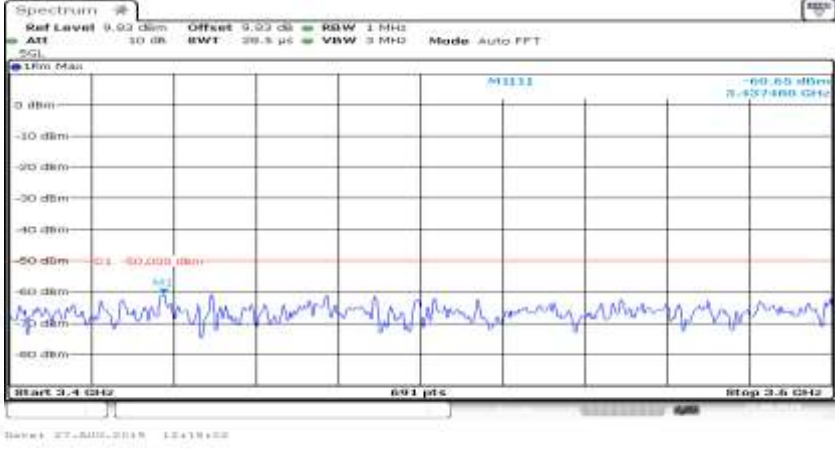

General	
General	
General	



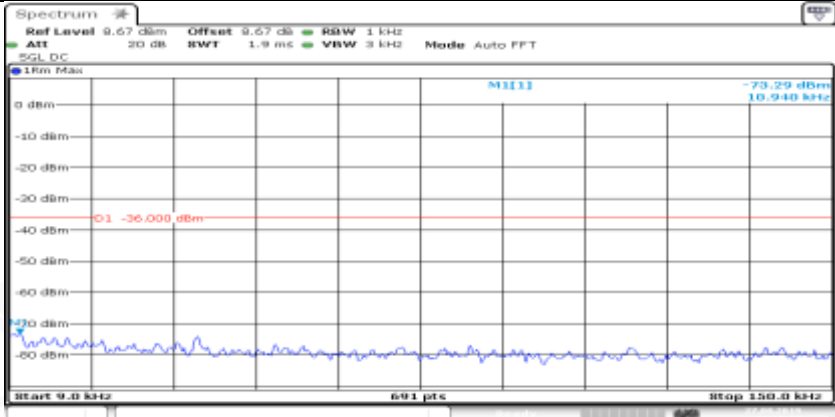
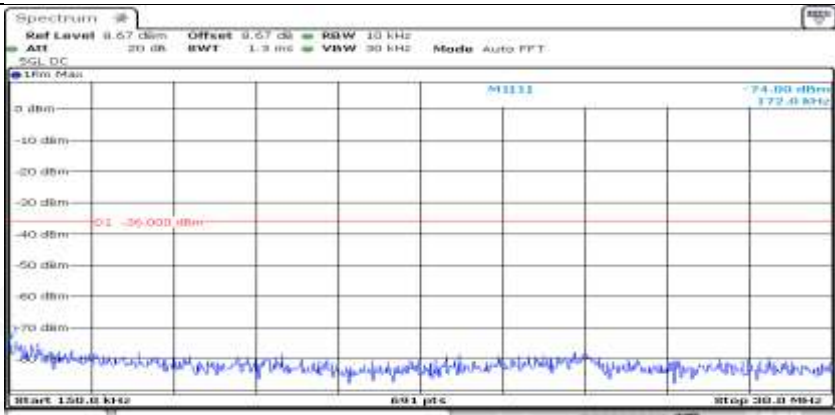
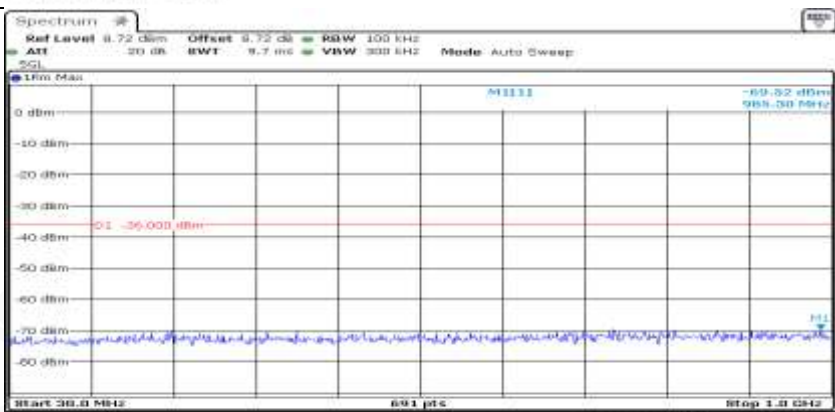
General	
General	
Co-existence	

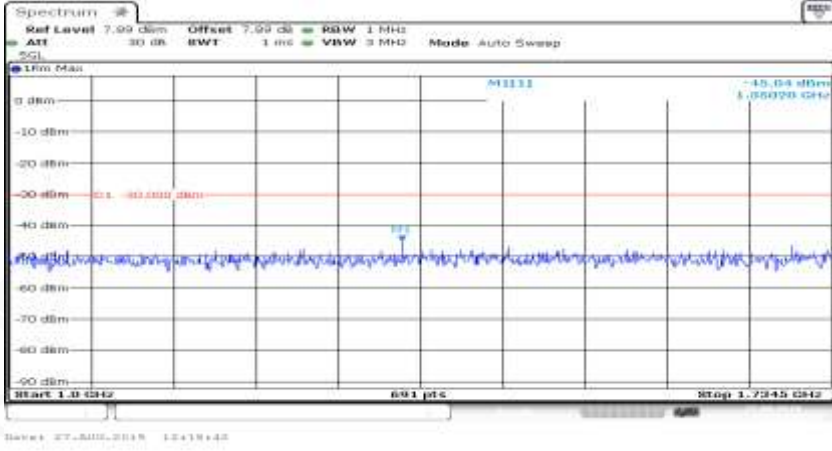
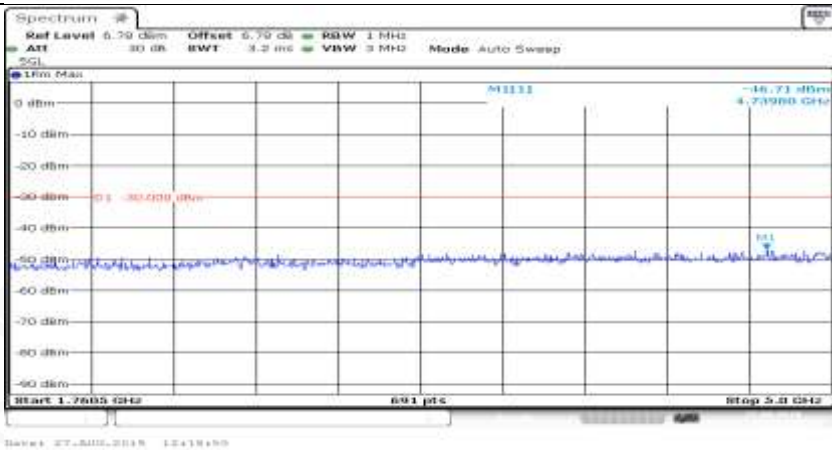
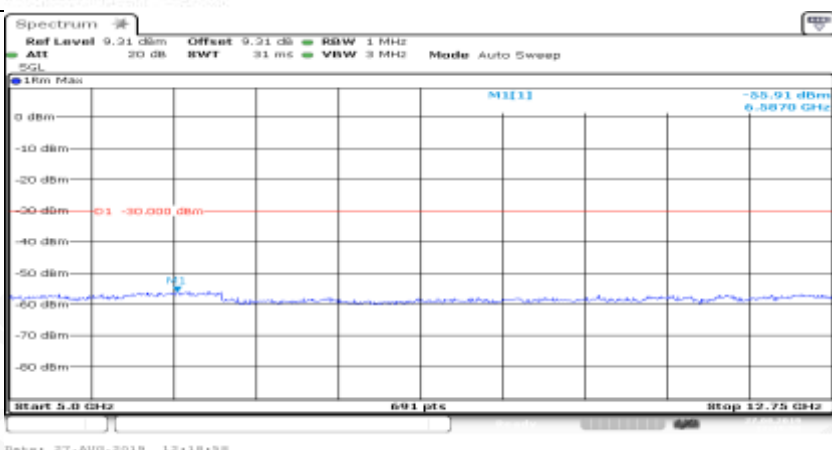


Co-existence	 <p>Spectrum plot showing a signal at 2.0167190 GHz with a level of -66.56 dBm. The y-axis ranges from 0 dBm to -90 dBm, and the x-axis ranges from 2.01 GHz to 2.025 GHz. A red line indicates a limit at -50.000 dBm.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.1518968 GHz with a level of -68.71 dBm. The y-axis ranges from 0 dBm to -90 dBm, and the x-axis ranges from 2.14 GHz to 2.17 GHz. A red line indicates a limit at -50.000 dBm.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.6036130 GHz with a level of -60.59 dBm. The y-axis ranges from 0 dBm to -90 dBm, and the x-axis ranges from 2.57 GHz to 2.62 GHz. A red line indicates a limit at -50.000 dBm.</p>

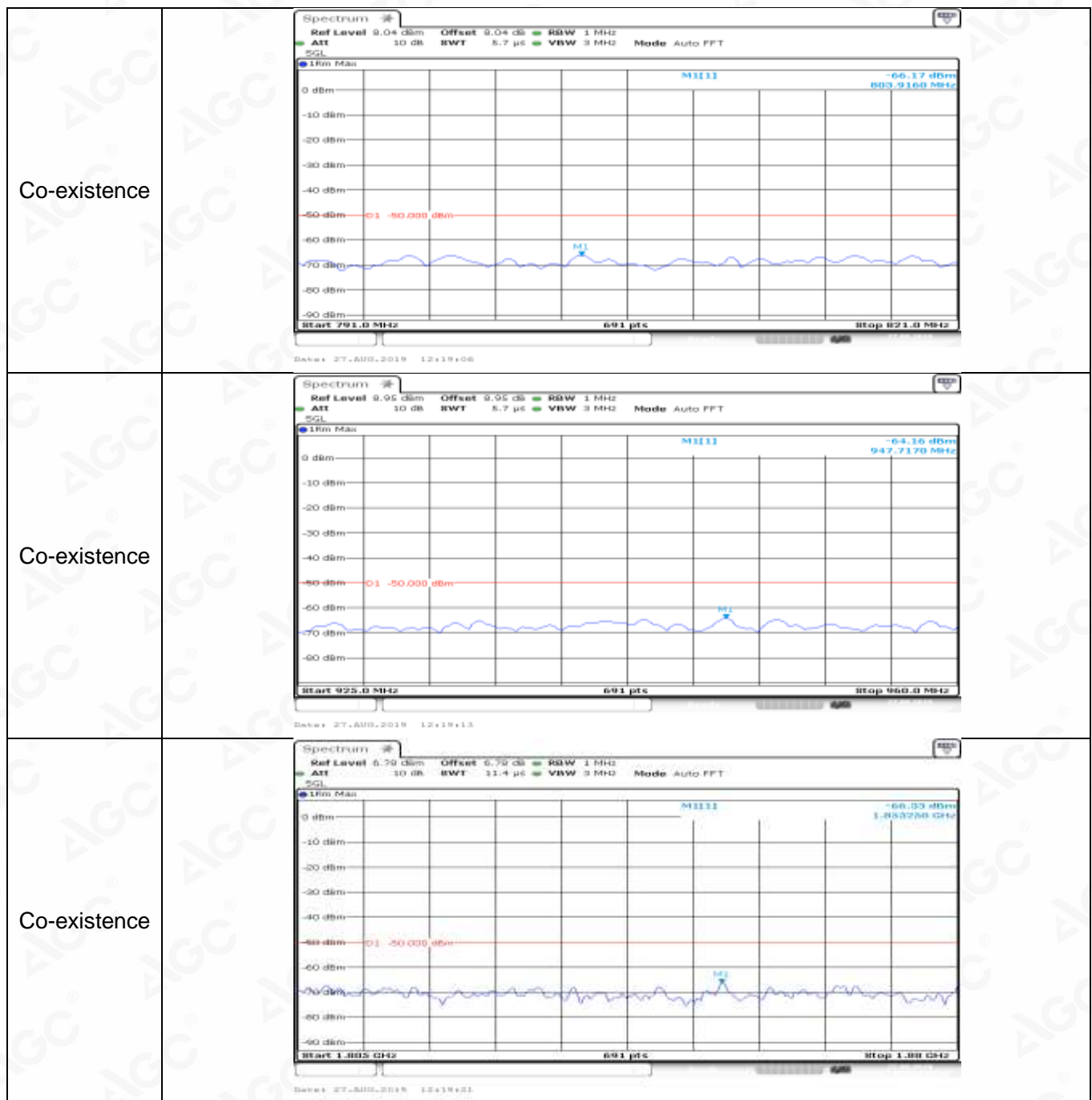
Co-existence	
Co-existence	
Co-existence	
Additional	NA

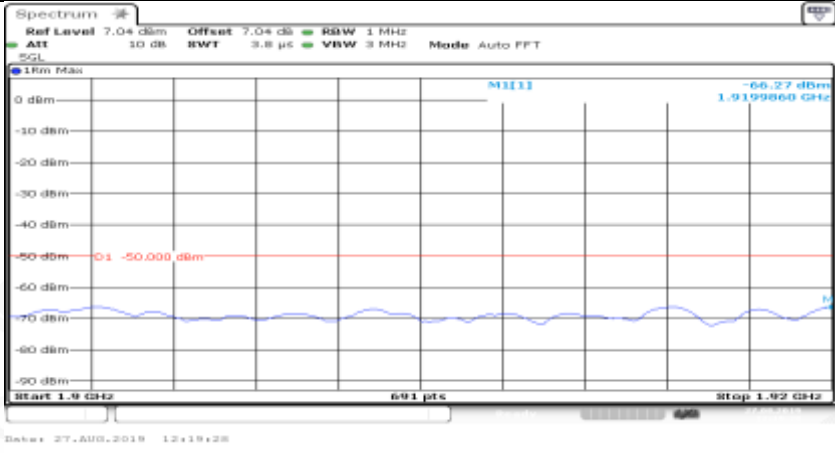
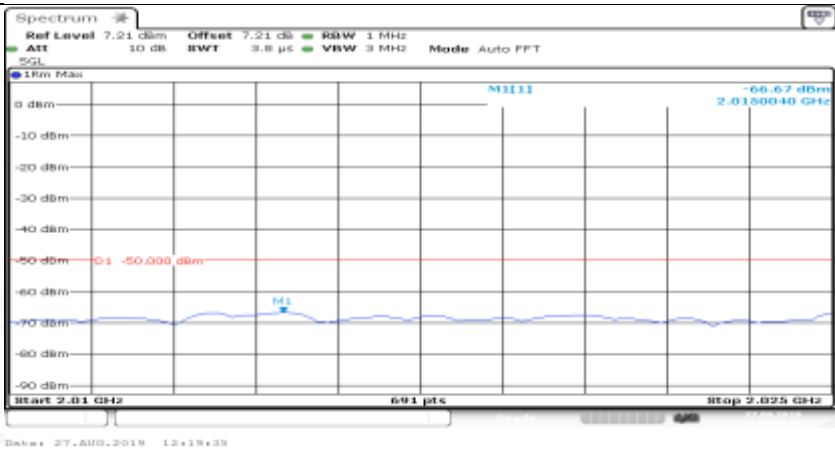
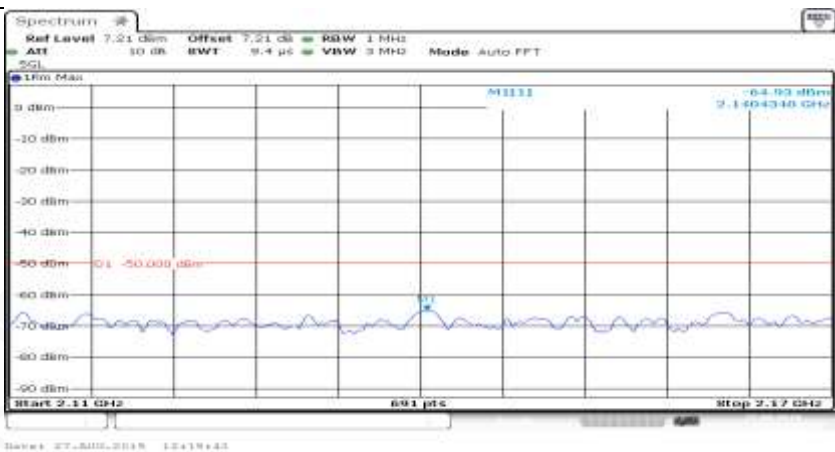
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#max

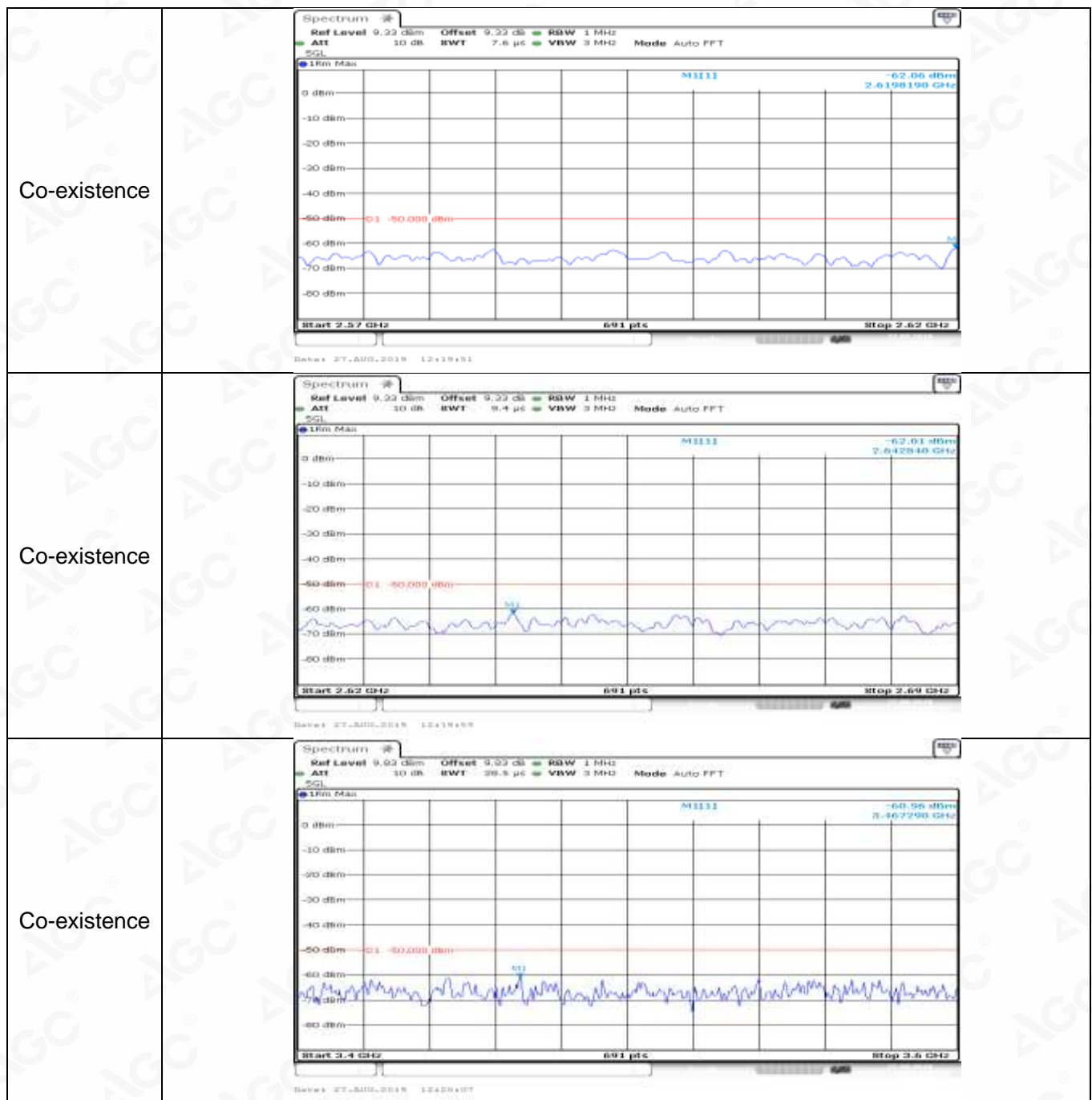
General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 1 kHz ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>-73.29 dBm 10.940 kHz</p> <p>-36.000 dBm</p> <p>01</p> <p>27.AUG.2019 12:10:19</p>
General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 10 kHz ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 300.0 MHz</p> <p>-74.00 dBm 172.0 kHz</p> <p>-36.000 dBm</p> <p>01</p> <p>27.AUG.2019 12:10:20</p>
General	 <p>Spectrum</p> <p>Ref Level 0.72 dBm Offset 0.72 dB RBW 100 kHz ATT 20 dB BW 8.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>50L DC</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 300.0 MHz 691 pts Stop 1.0 GHz</p> <p>-69.52 dBm 955.50 MHz</p> <p>-36.000 dBm</p> <p>01</p> <p>27.AUG.2019 12:10:24</p>

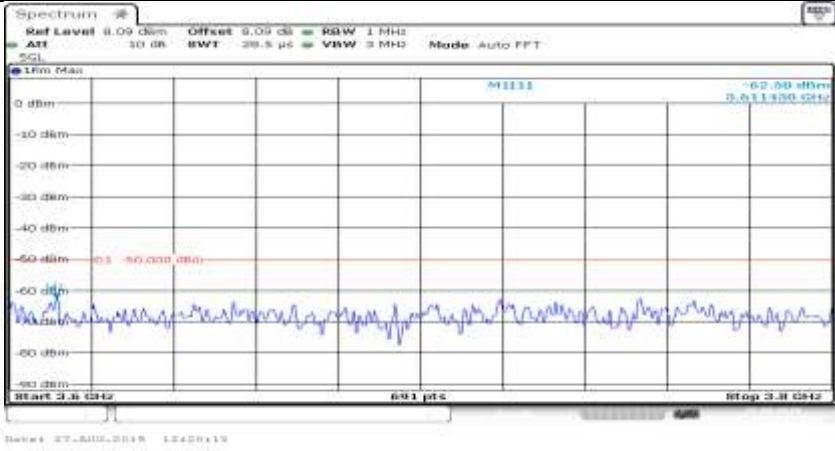
General	
General	
General	

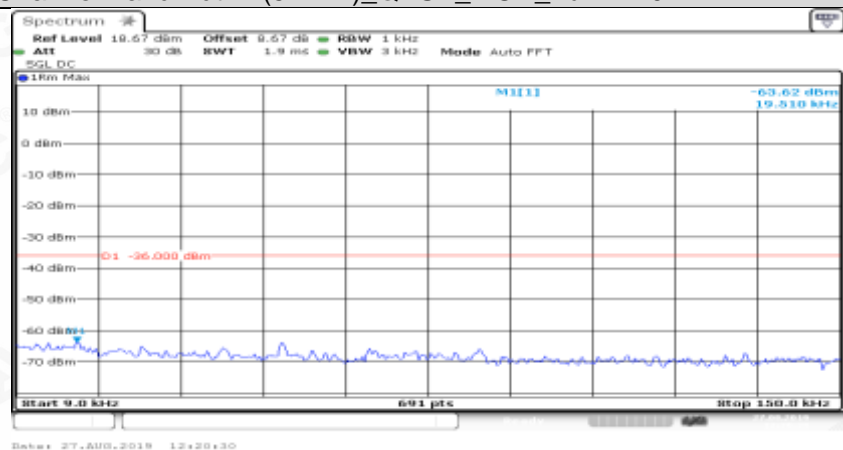
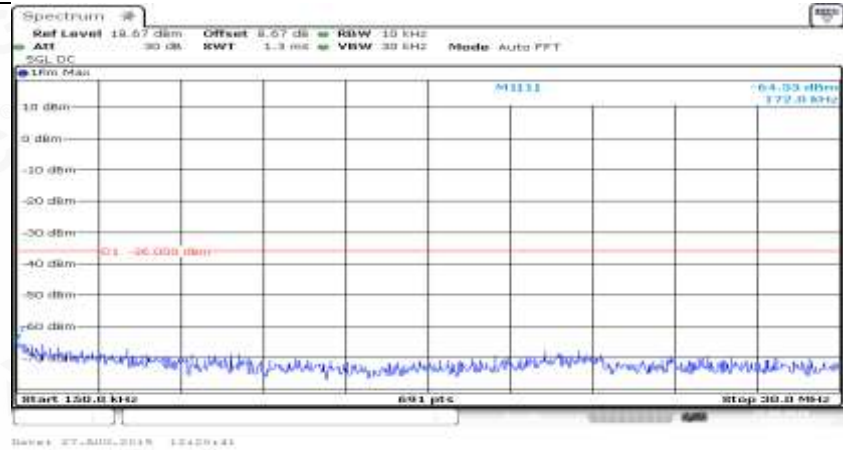


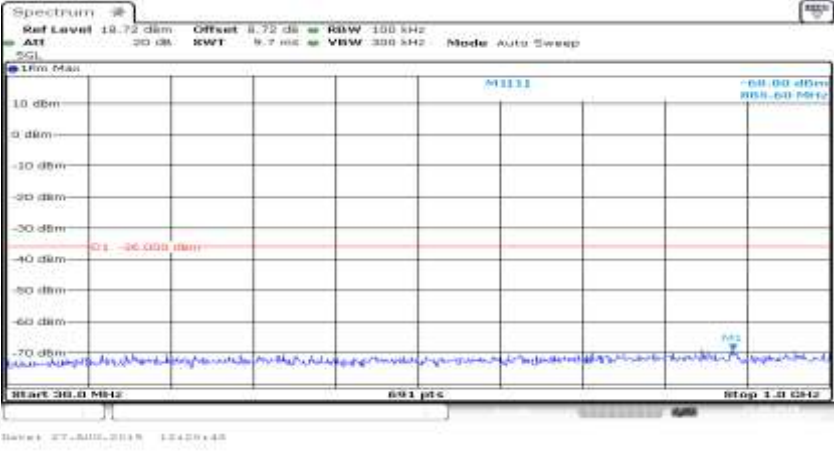
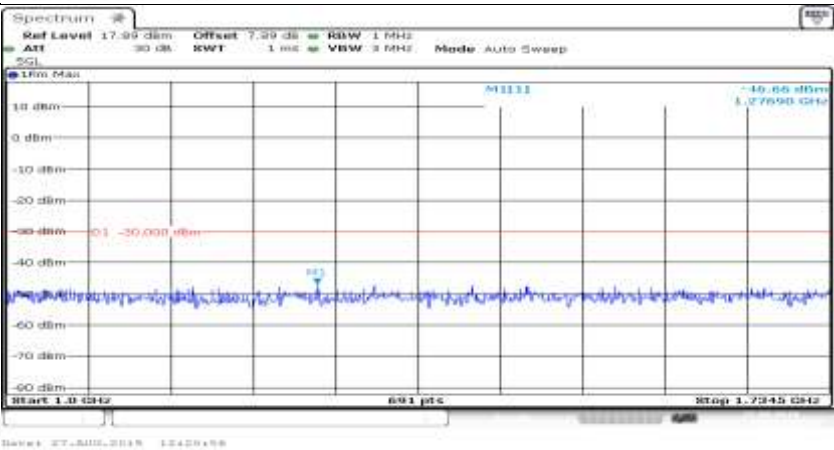
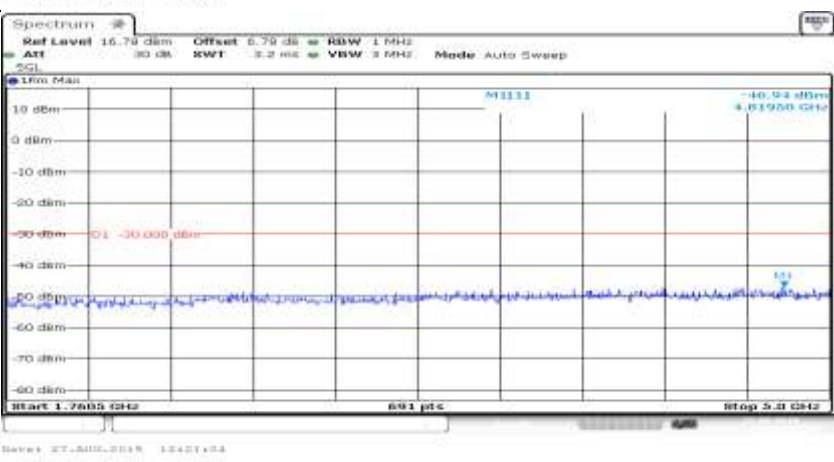


Co-existence	
Co-existence	
Co-existence	

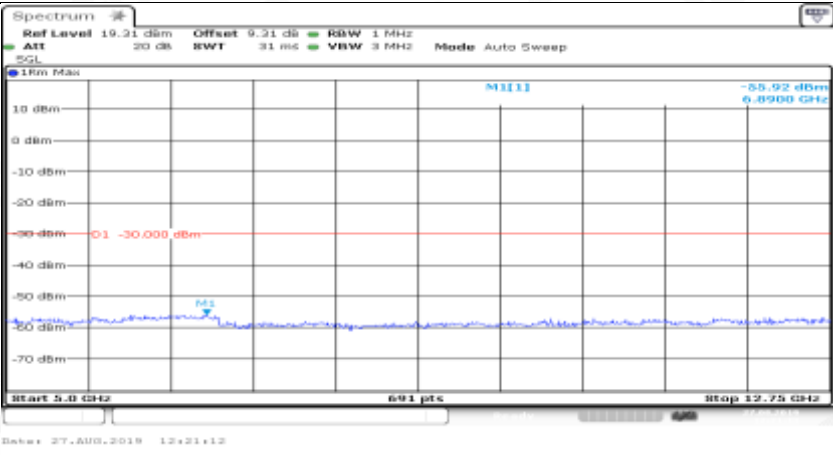
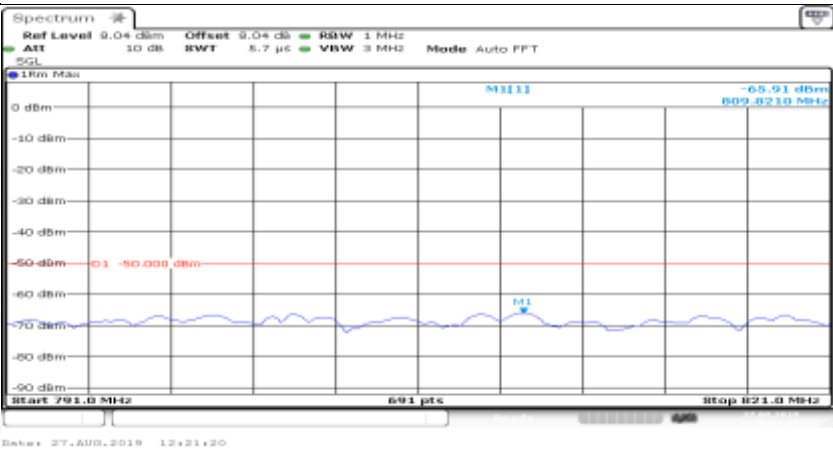
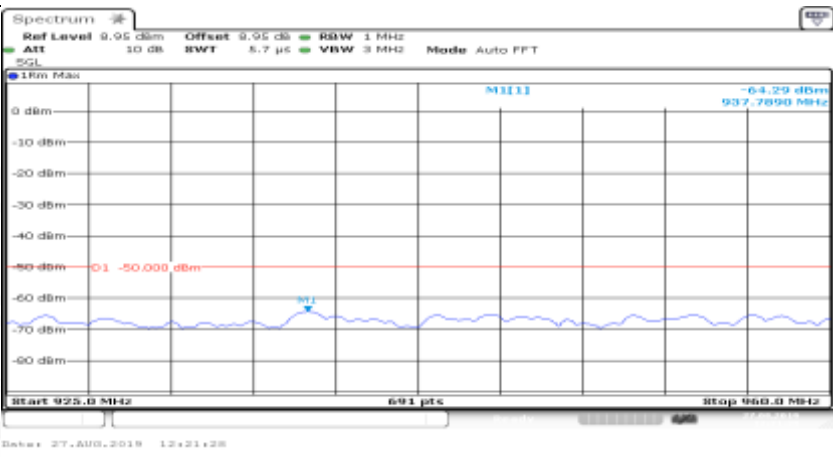


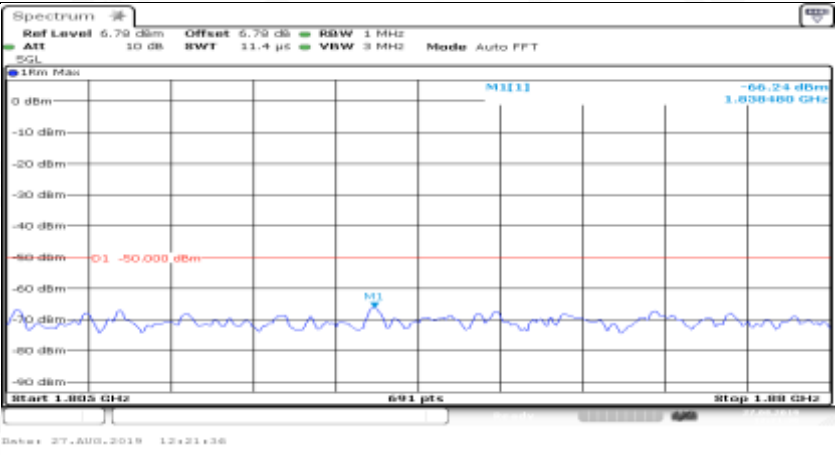
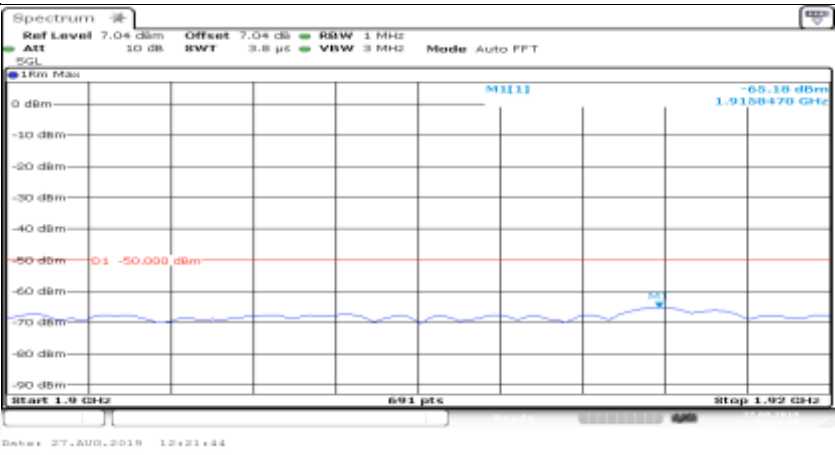
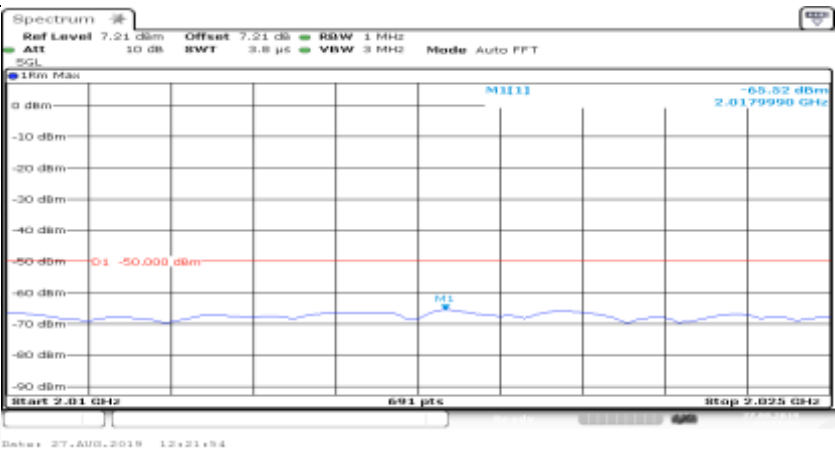
Co-existence	
Additional	NA

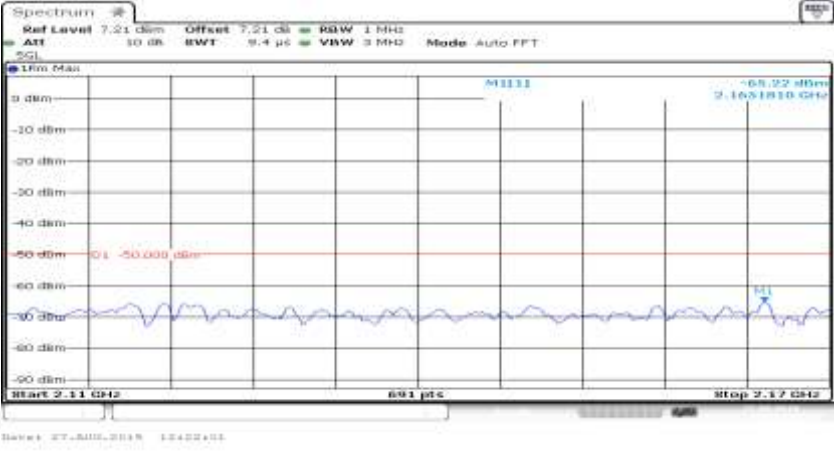
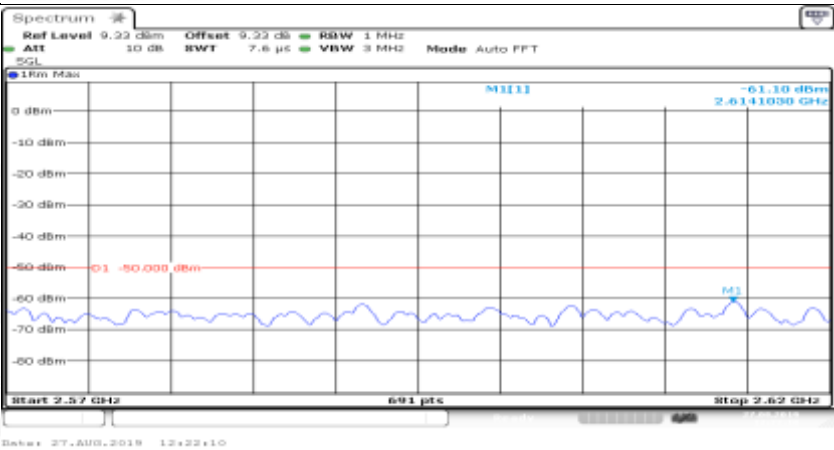

Channel Bandwidth= (5 MHz)_QPSK_MCH_FullIRB#0	
General	
General	

General	
General	
General	

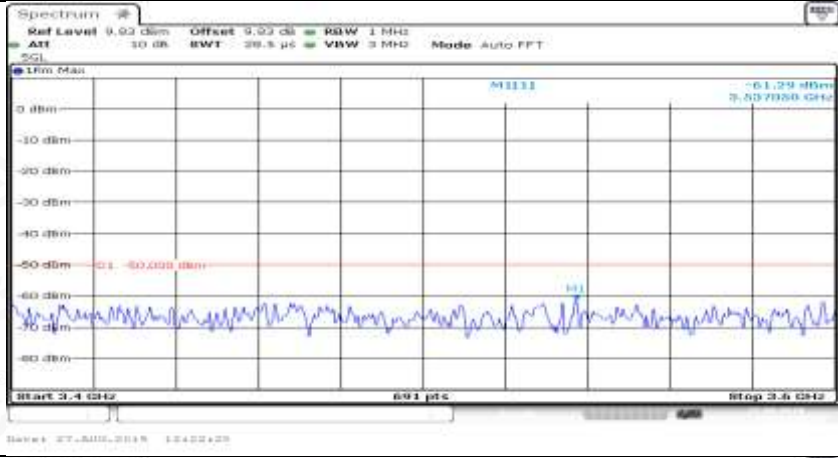
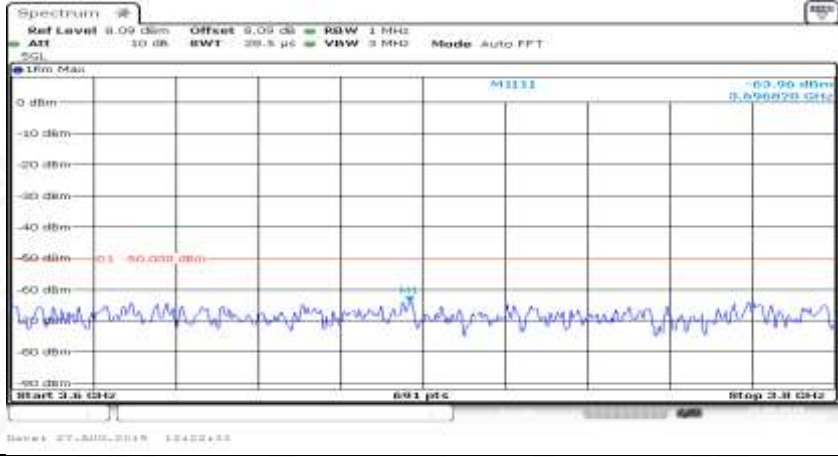


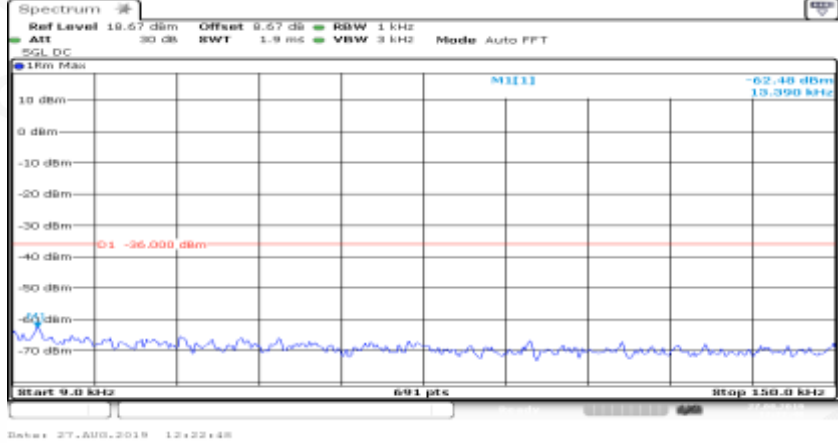
General	
Co-existence	
Co-existence	

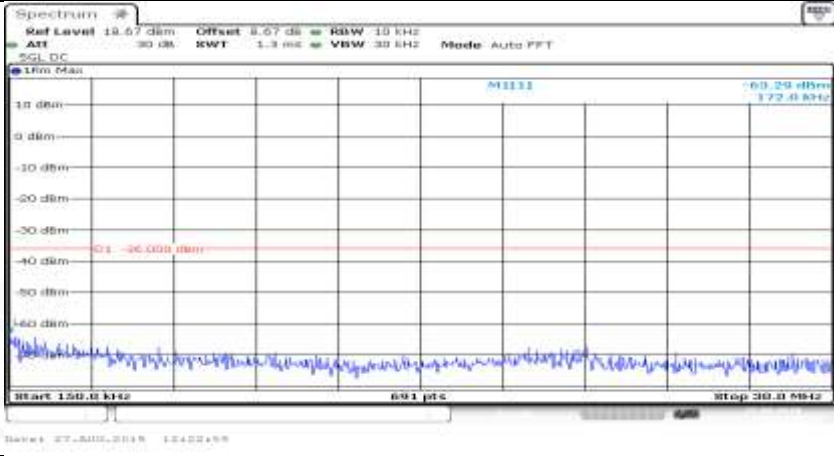
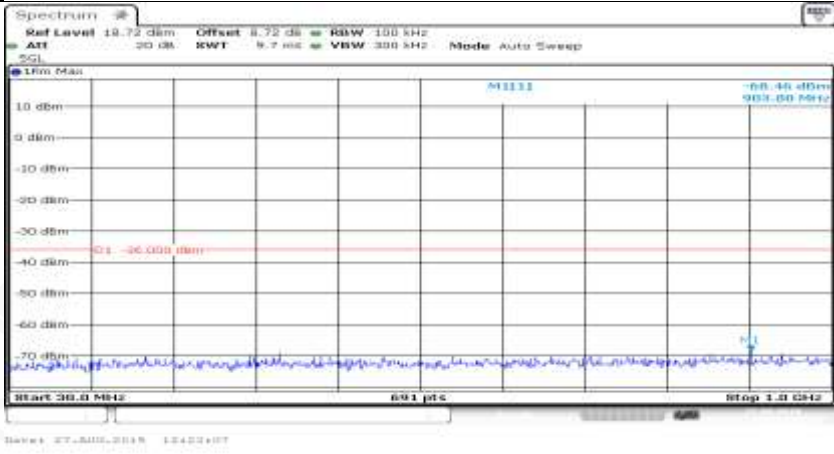
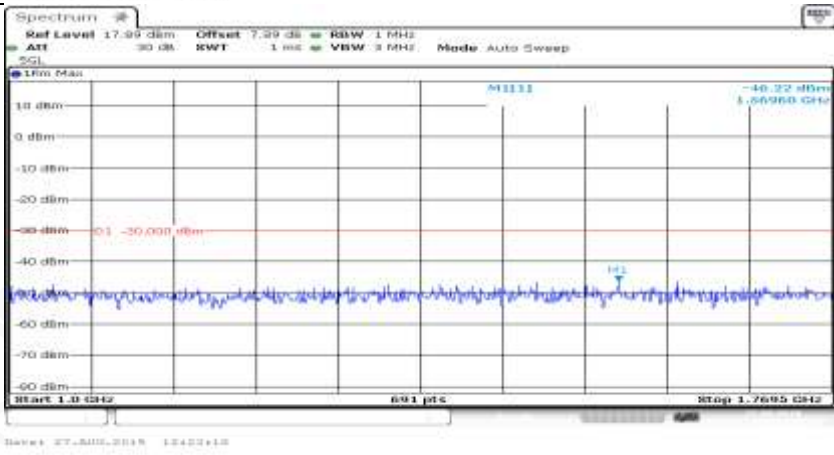
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

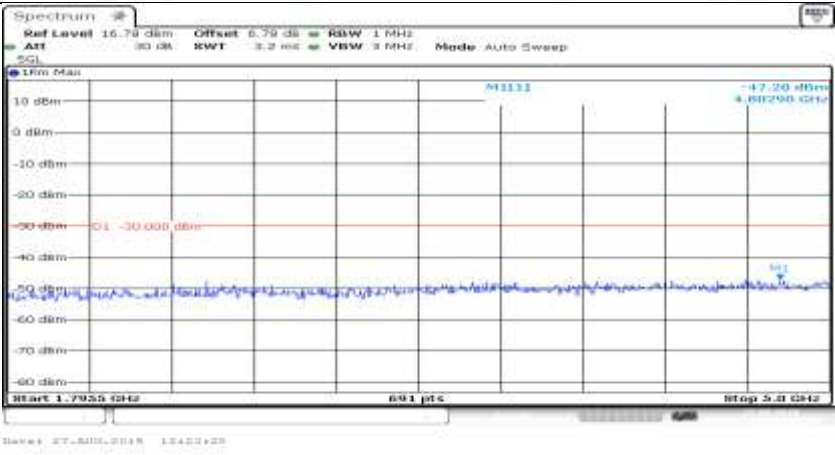
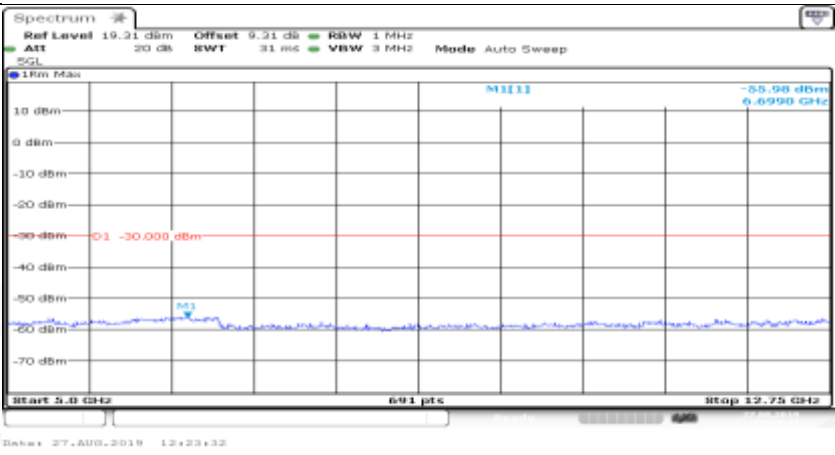
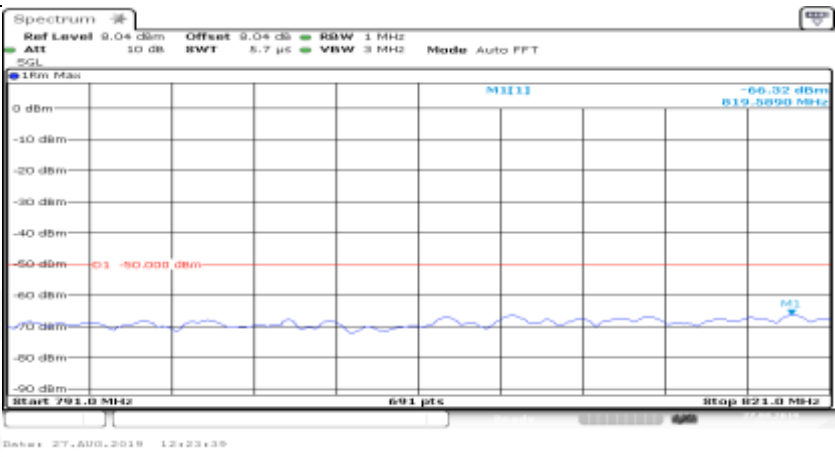


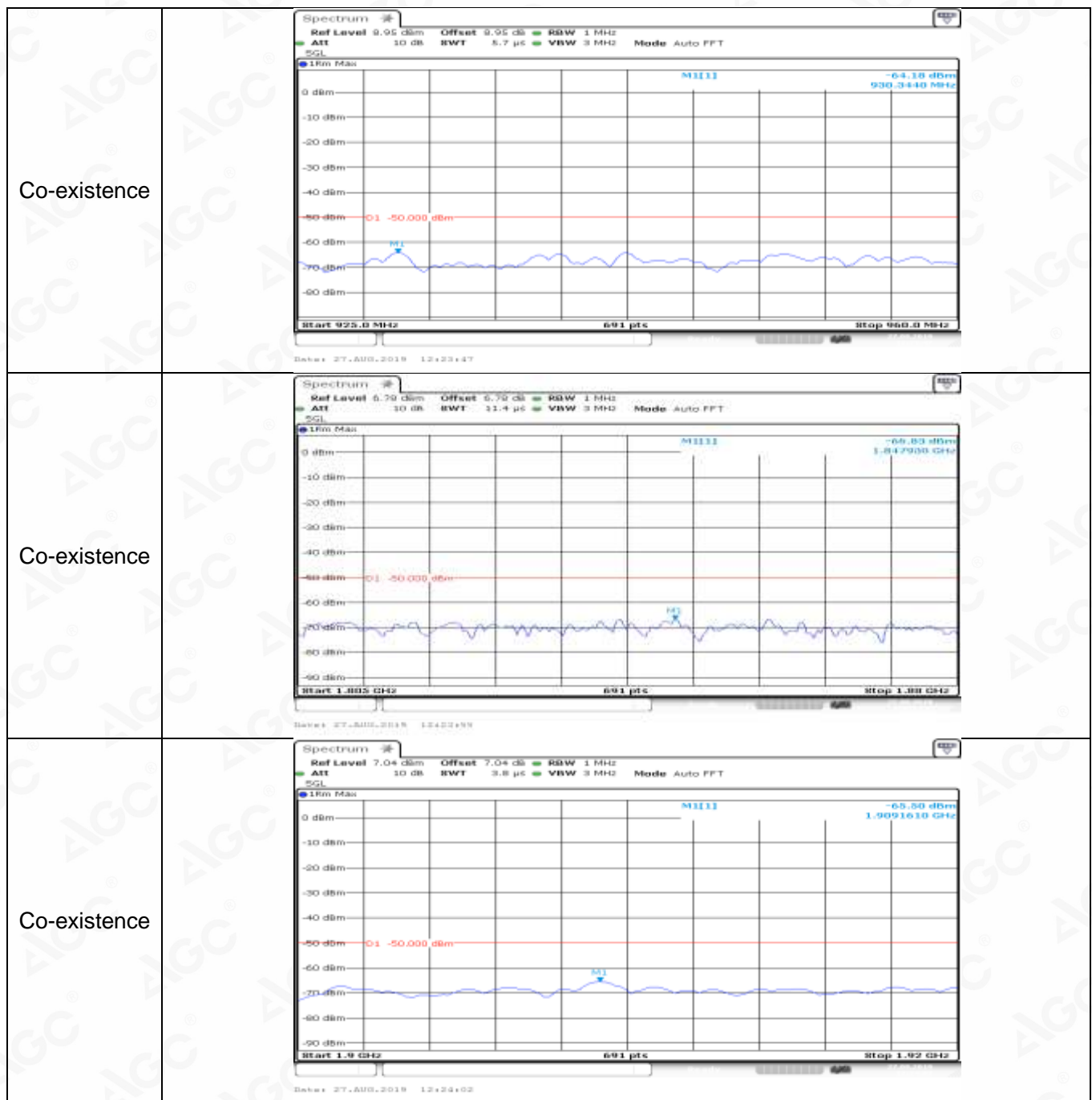
Co-existence	
Co-existence	
Additional	NA

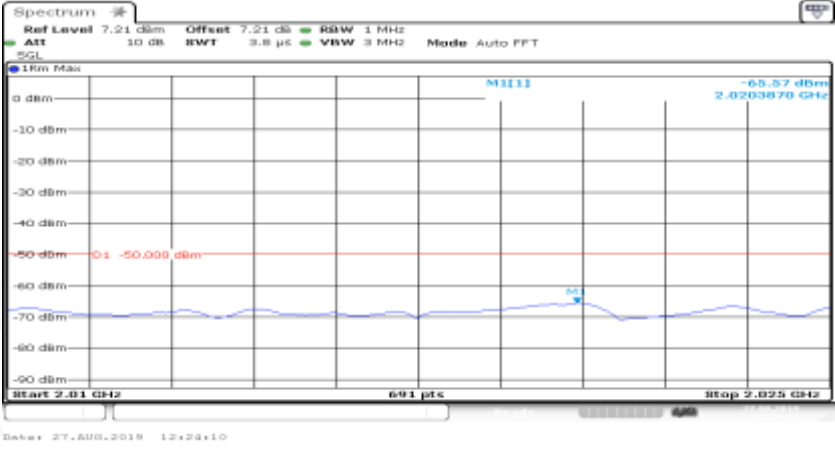

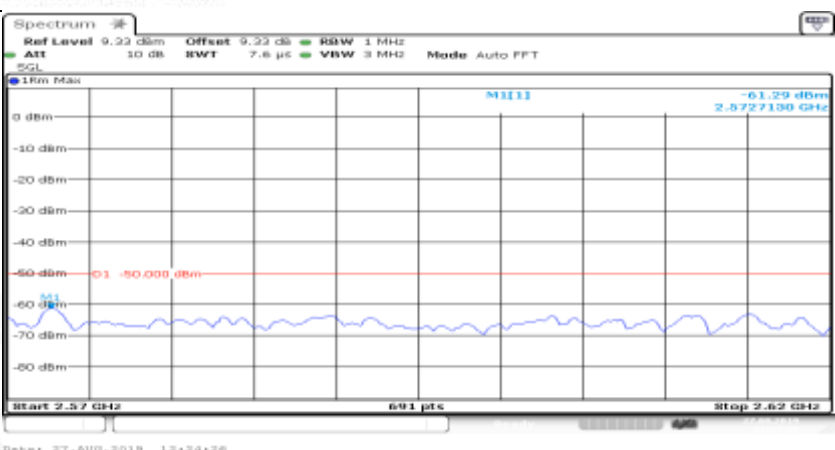
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	

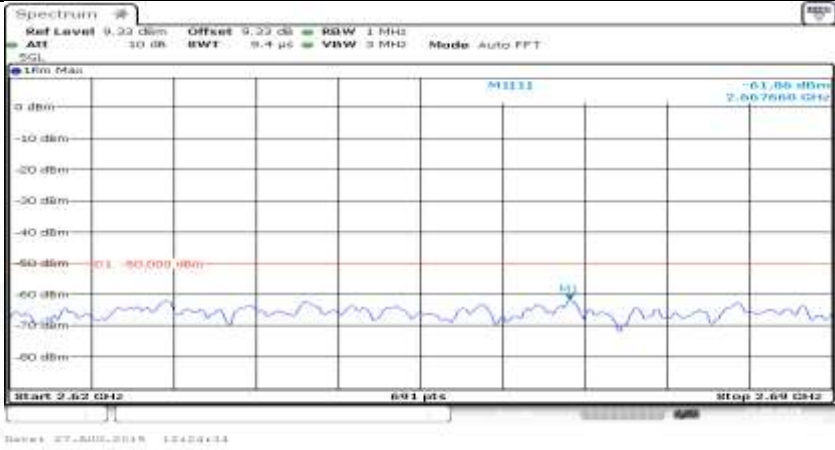
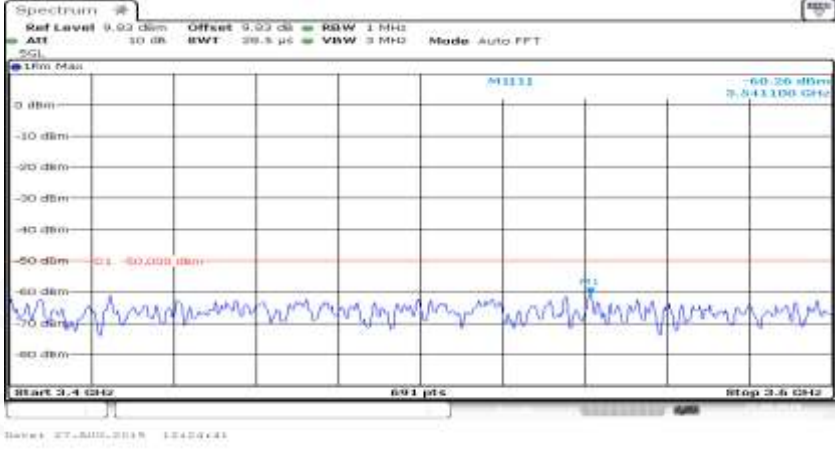
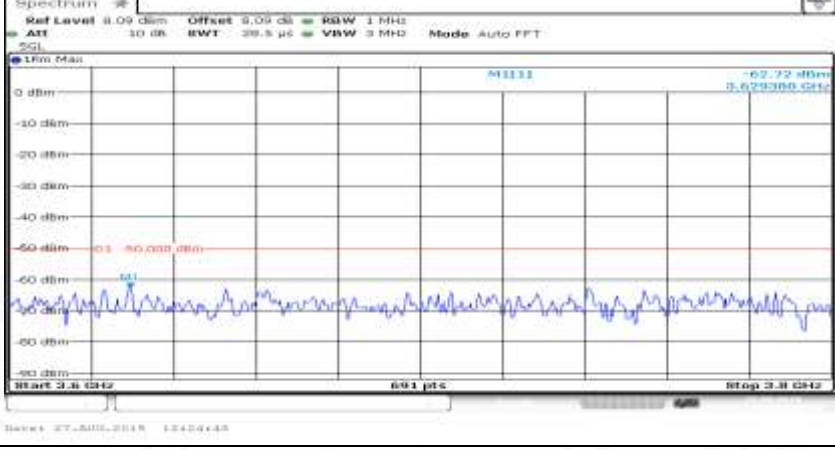
General	
General	
General	



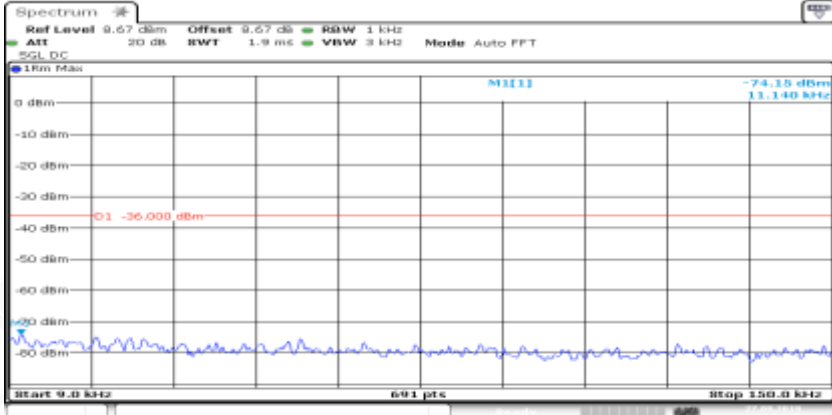
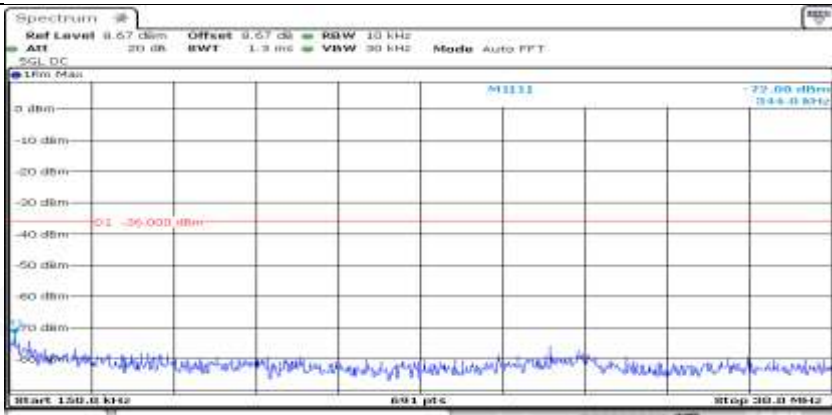
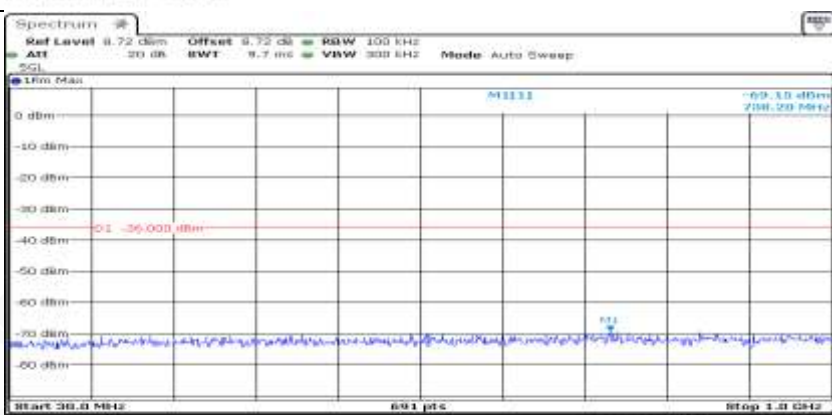
General	
General	
Co-existence	

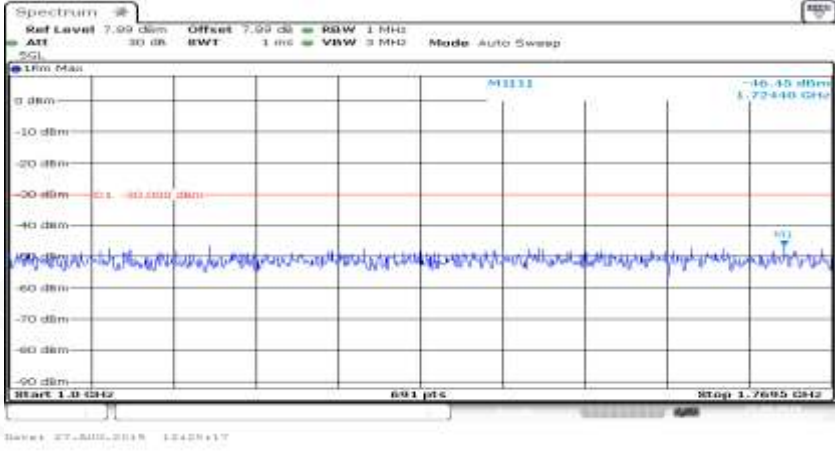
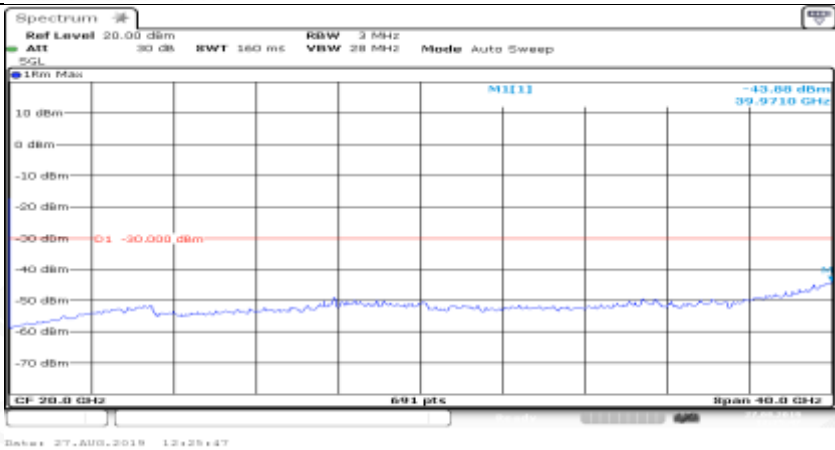
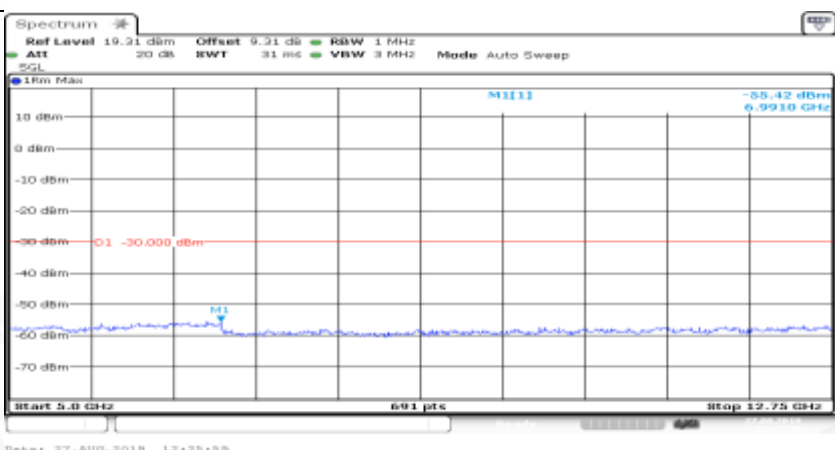


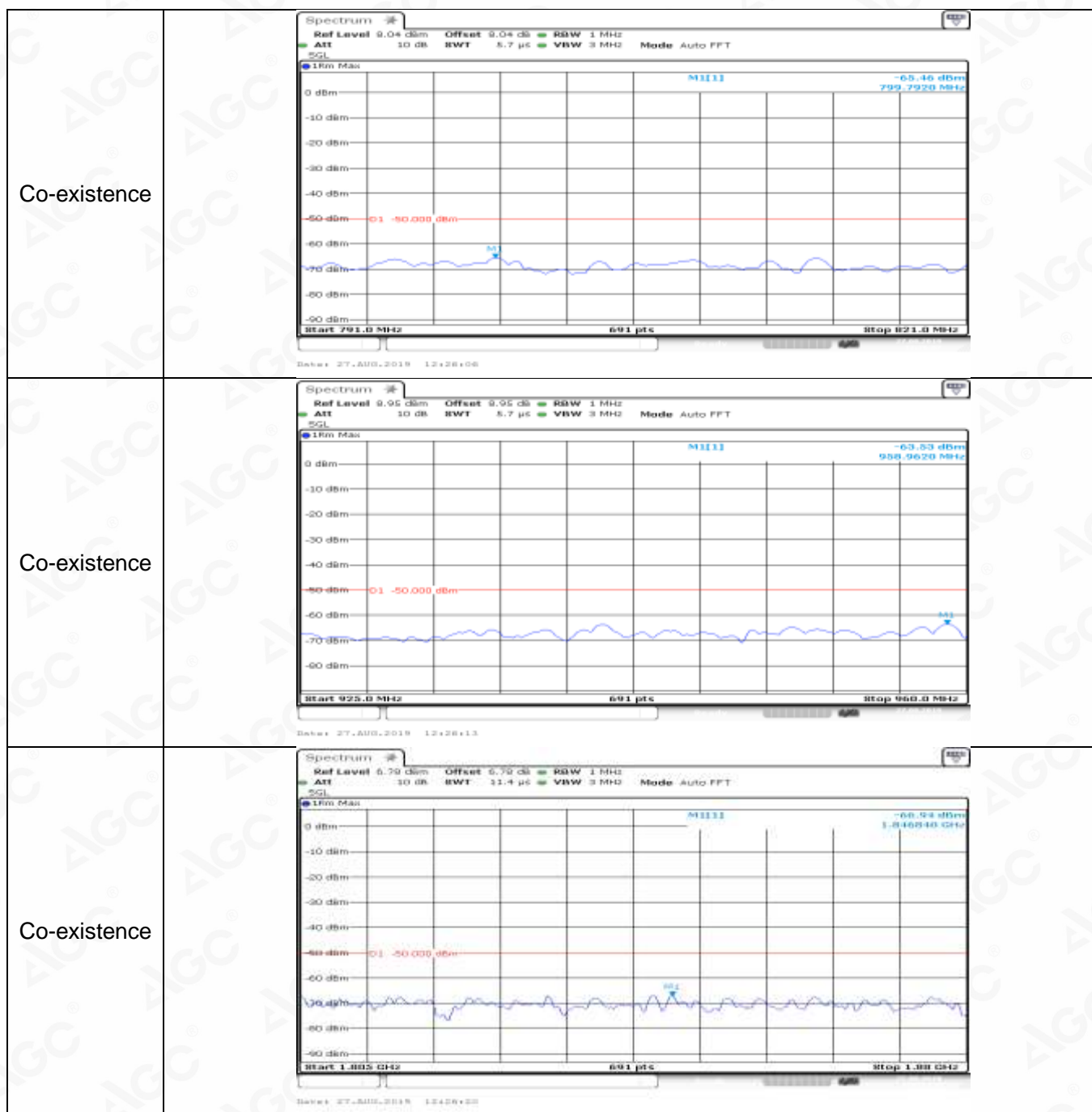
Co-existence	
Co-existence	
Co-existence	

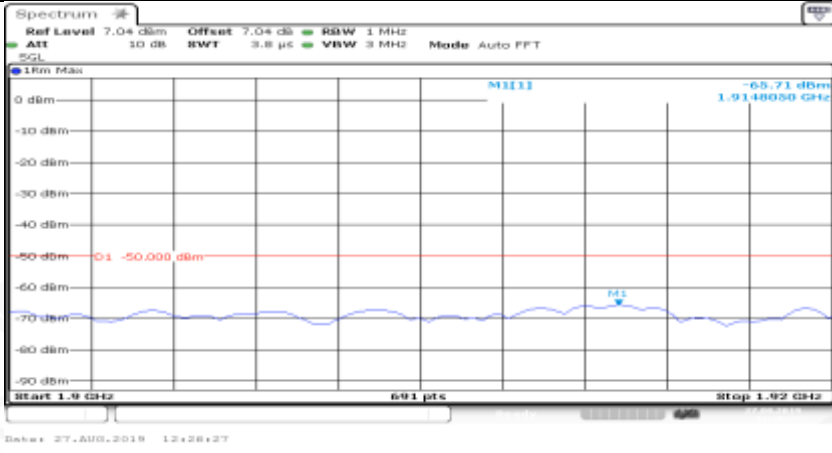
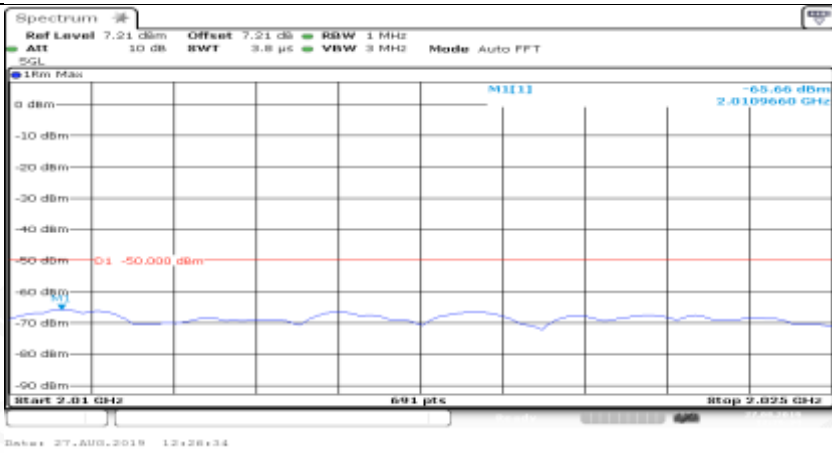

Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#max

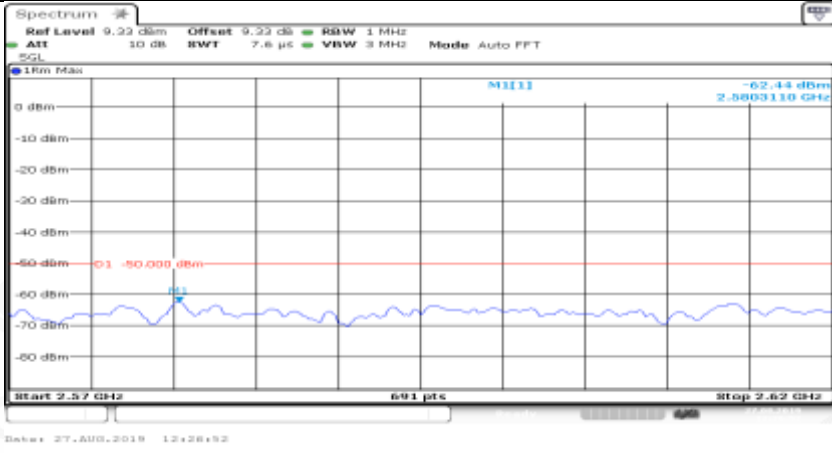

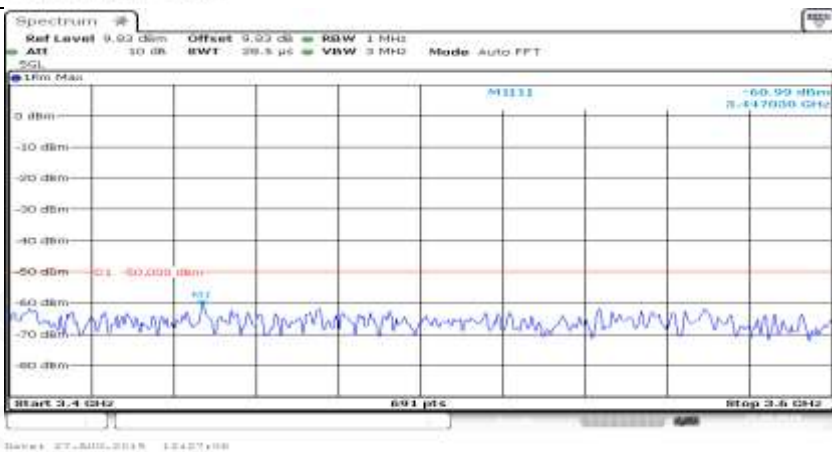
General	
General	
General	

General	
General	
General	

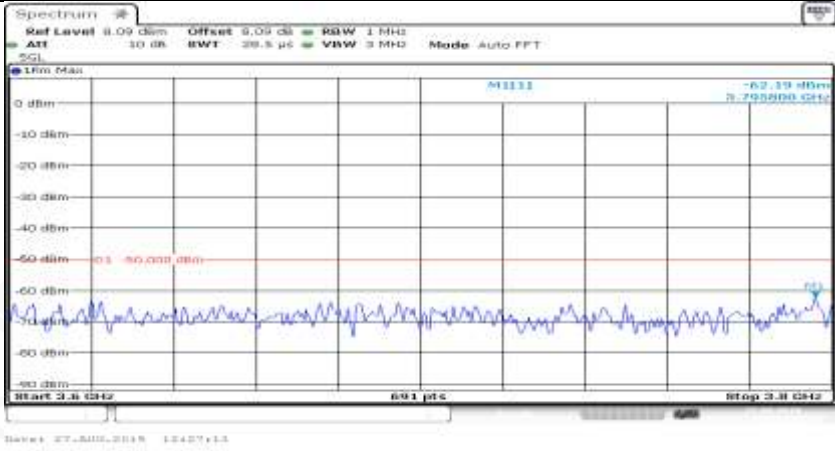


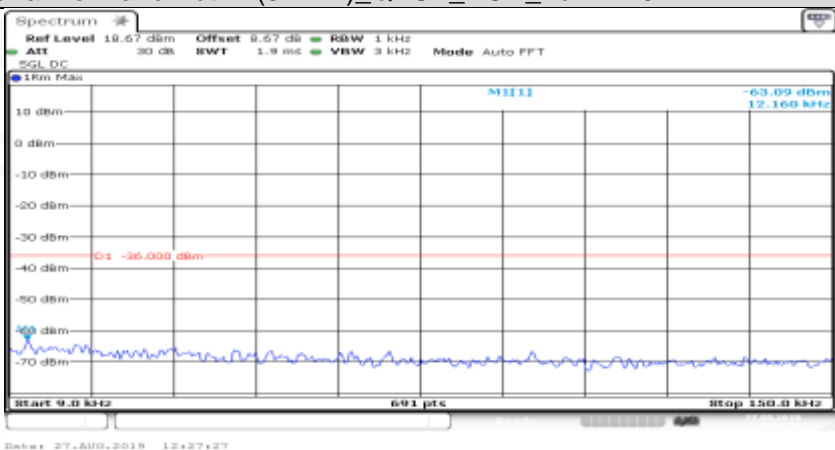
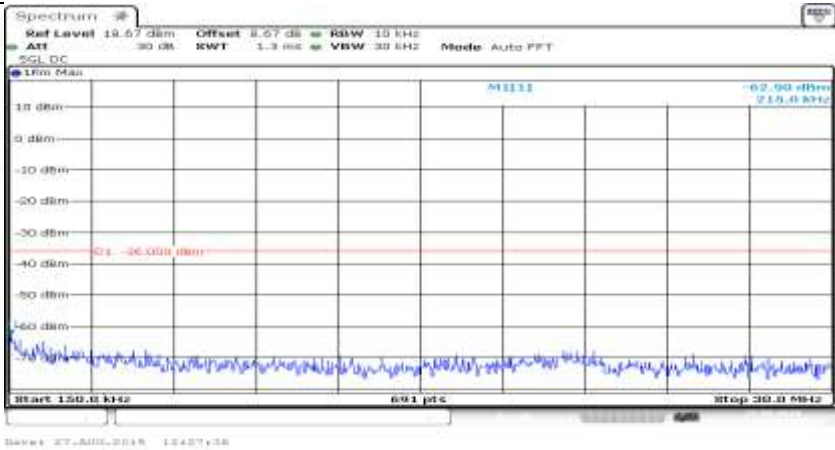
Co-existence	
Co-existence	
Co-existence	

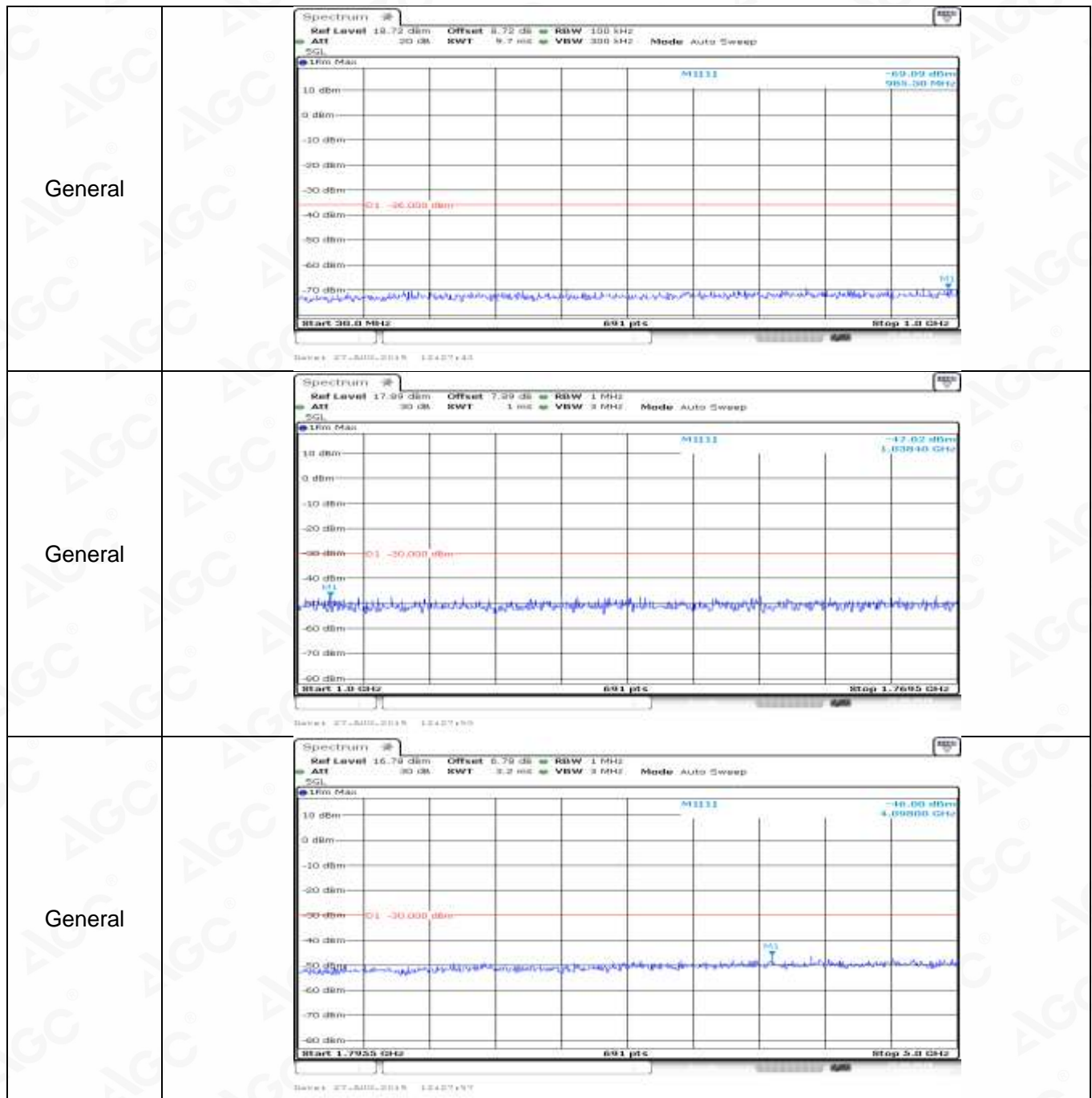


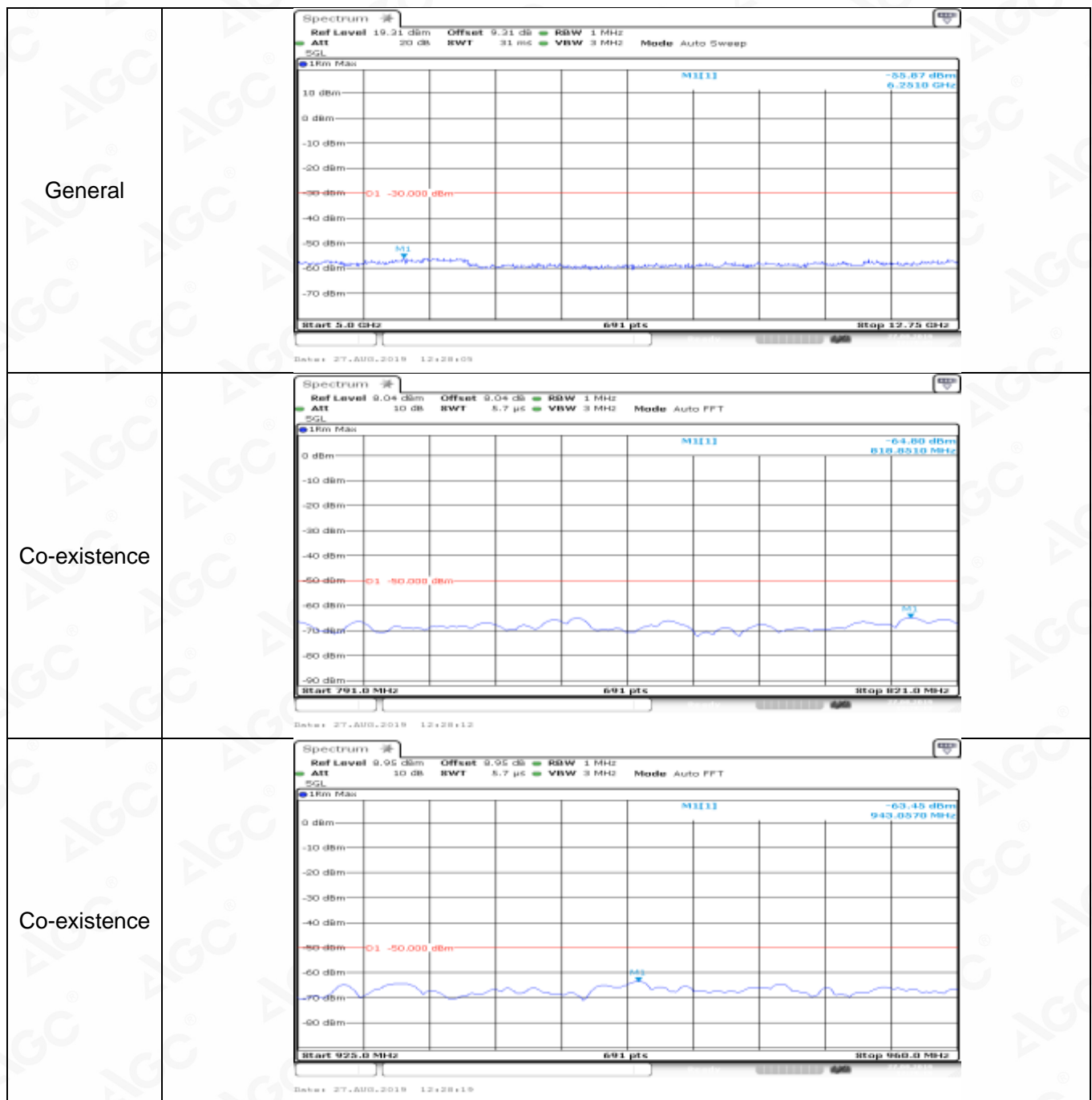
Co-existence	
Co-existence	
Co-existence	

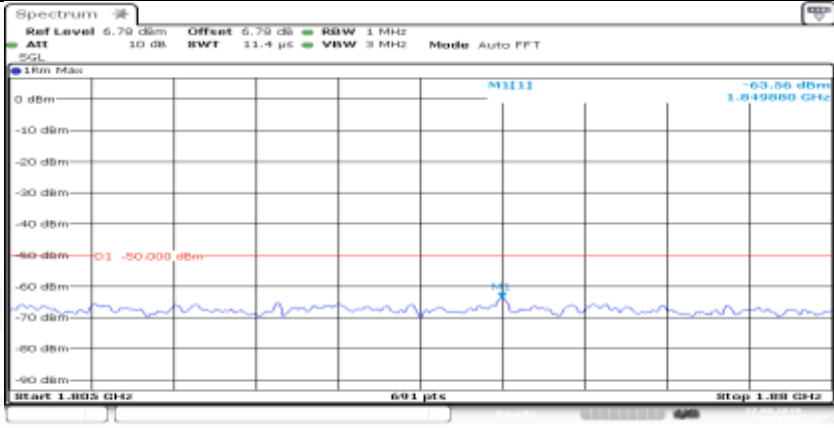

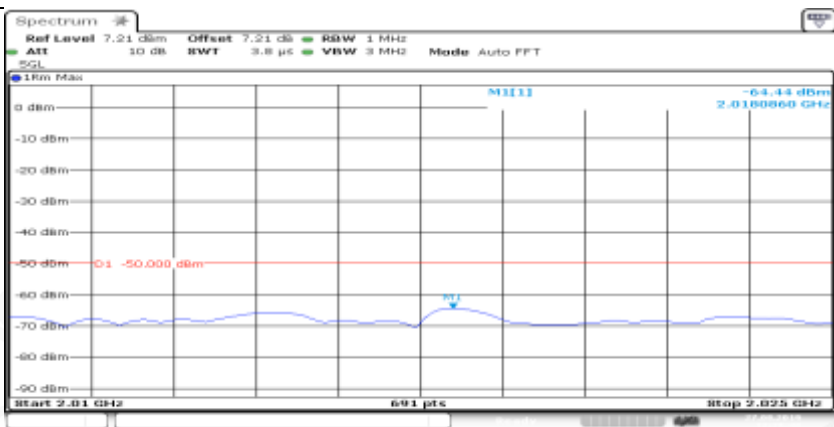


Co-existence	
Additional	NA

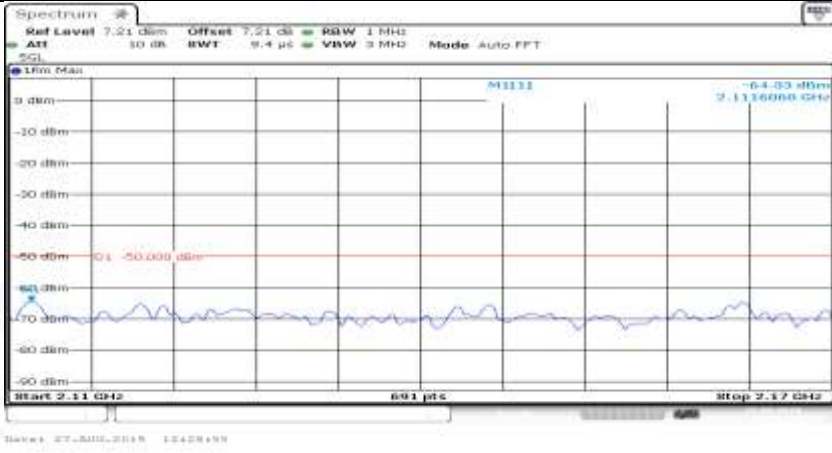
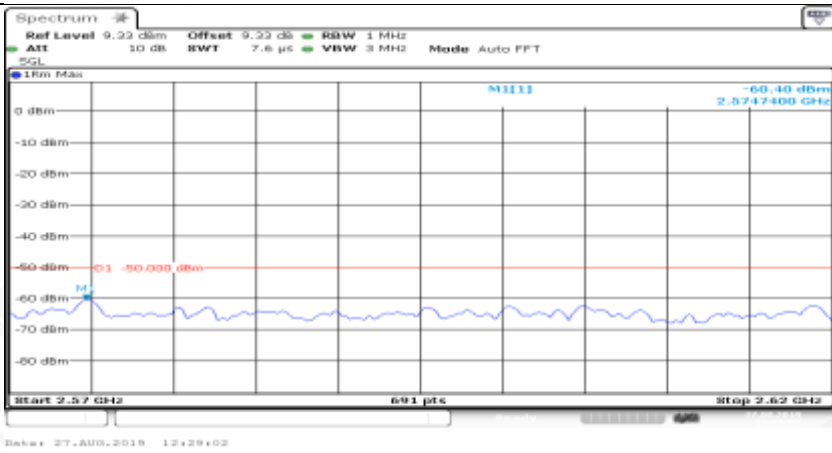
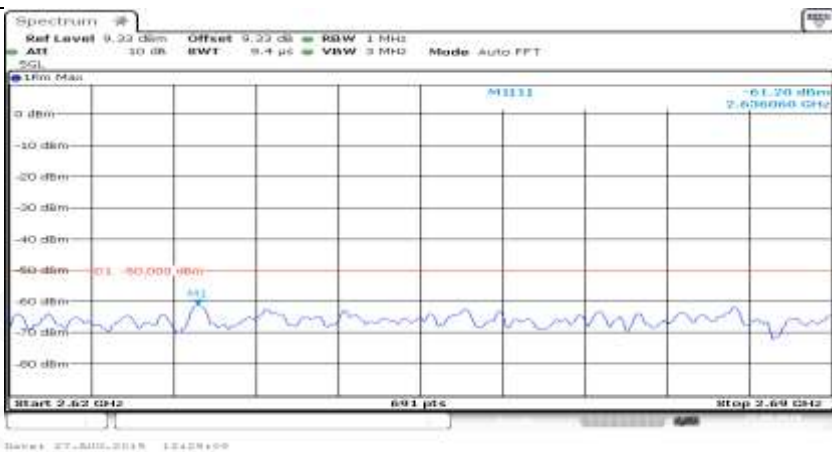
Channel Bandwidth= (5 MHz)_QPSK_HCH_FullIRB#0	
General	
General	

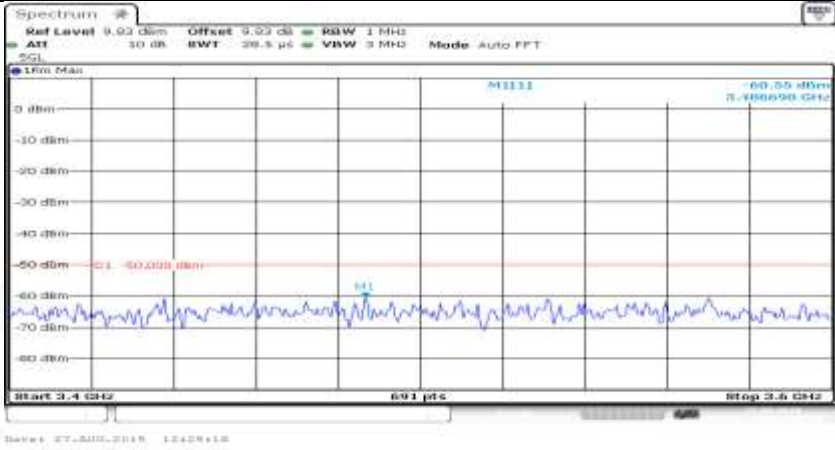
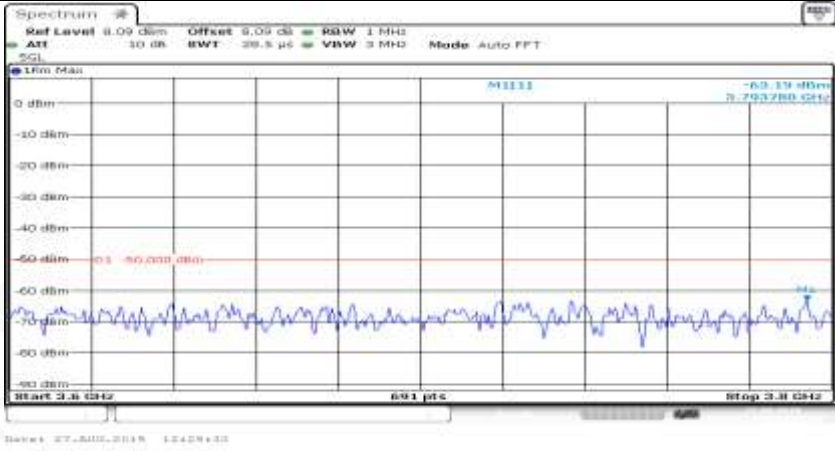




Co-existence	
Co-existence	
Co-existence	

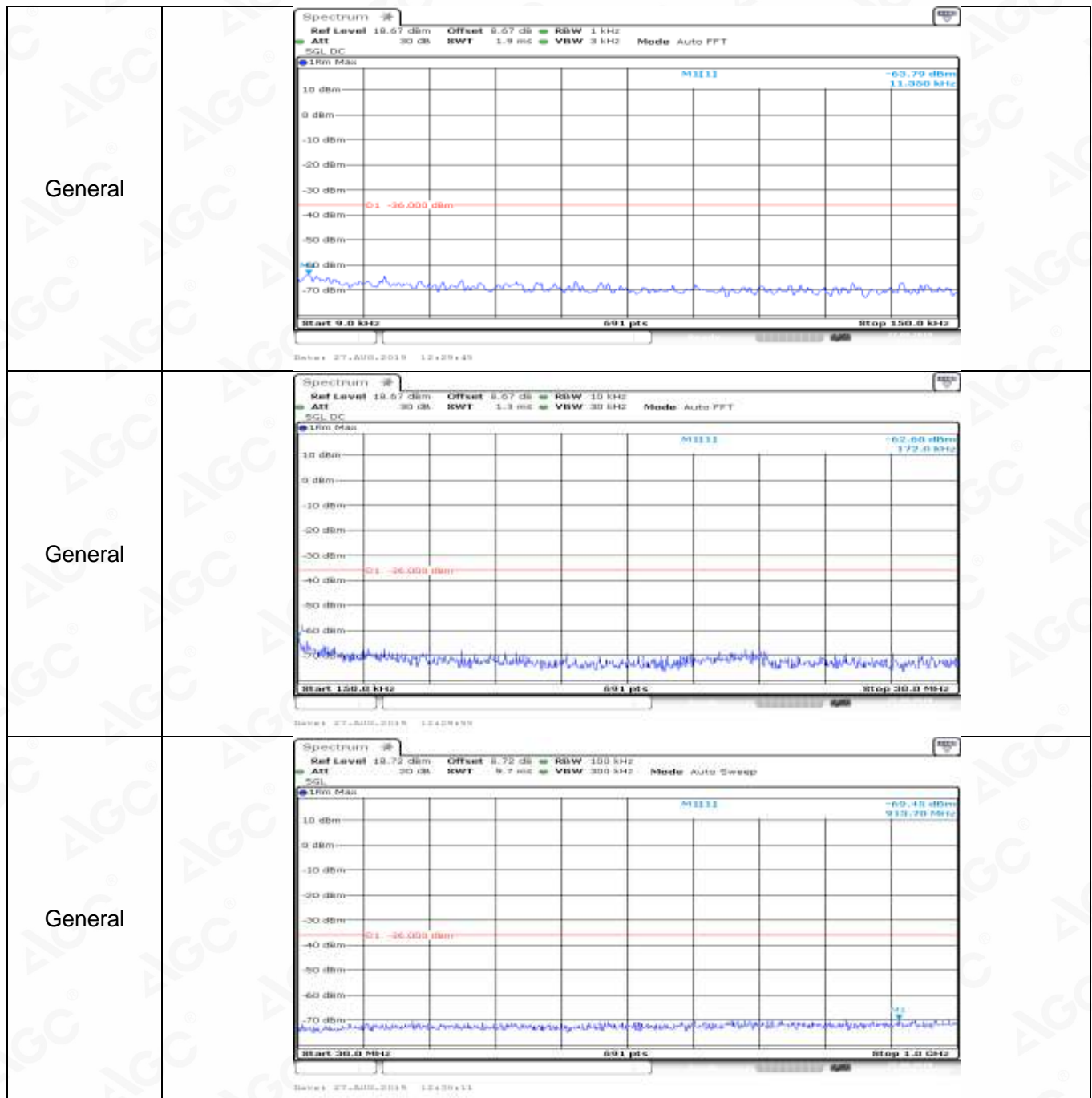


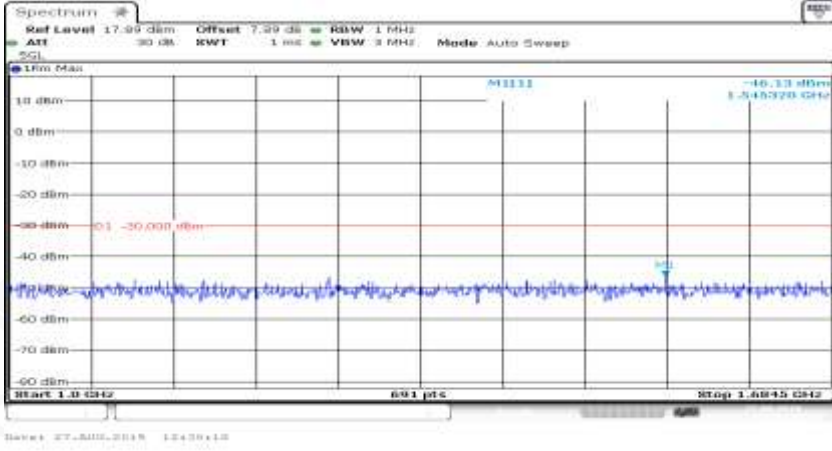
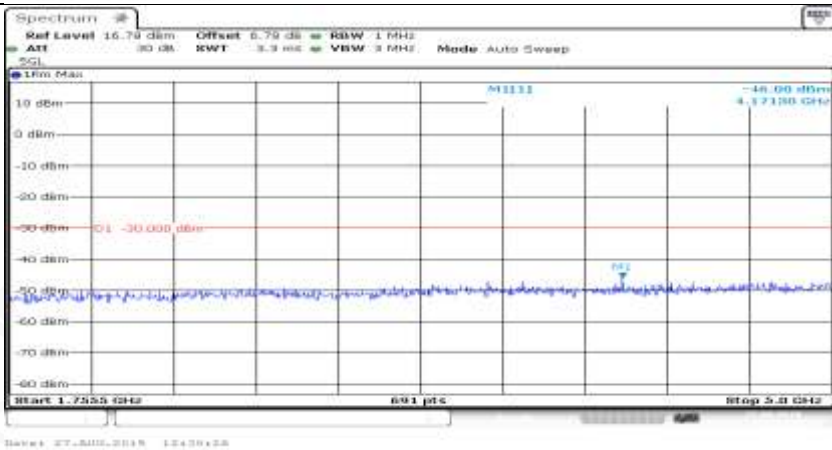
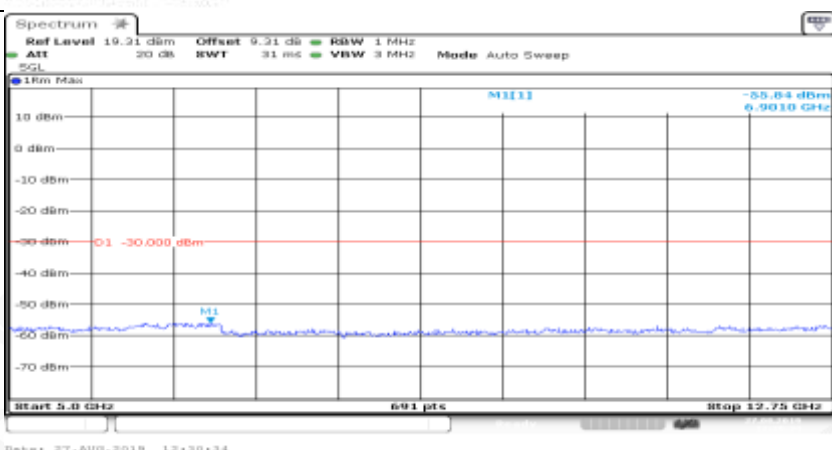
Co-existence	
Co-existence	
Co-existence	

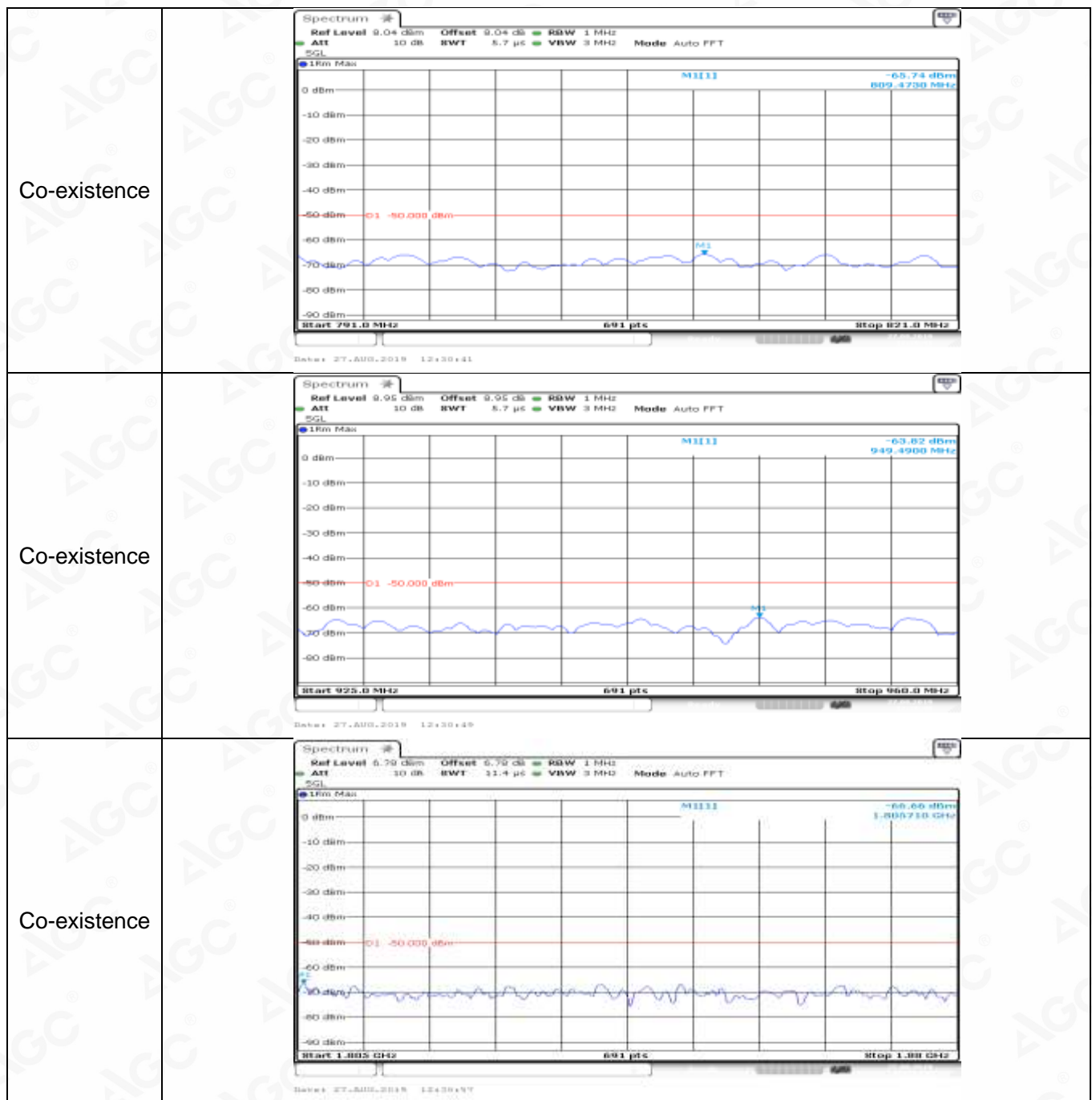
Co-existence	
Co-existence	
Additional	NA

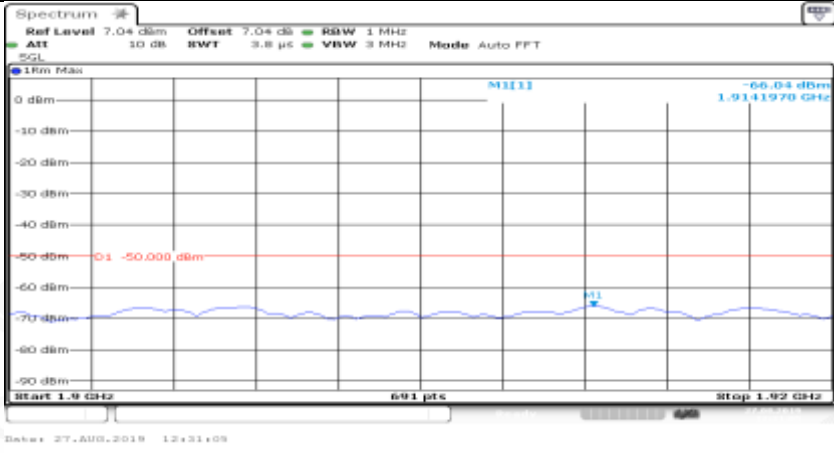
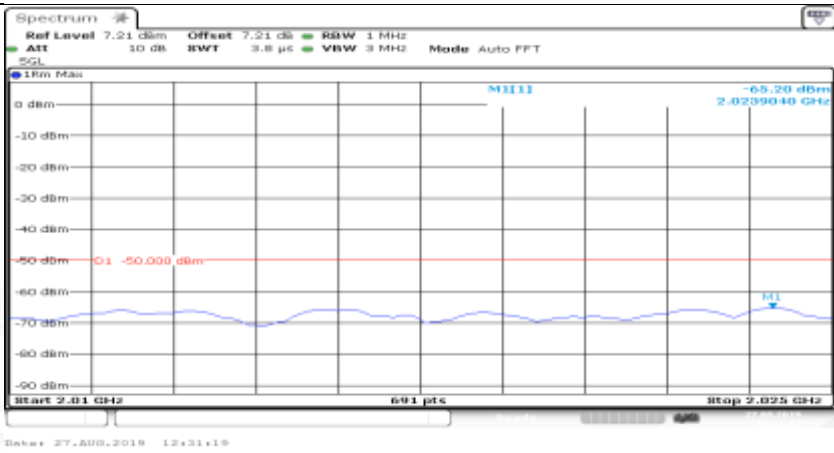
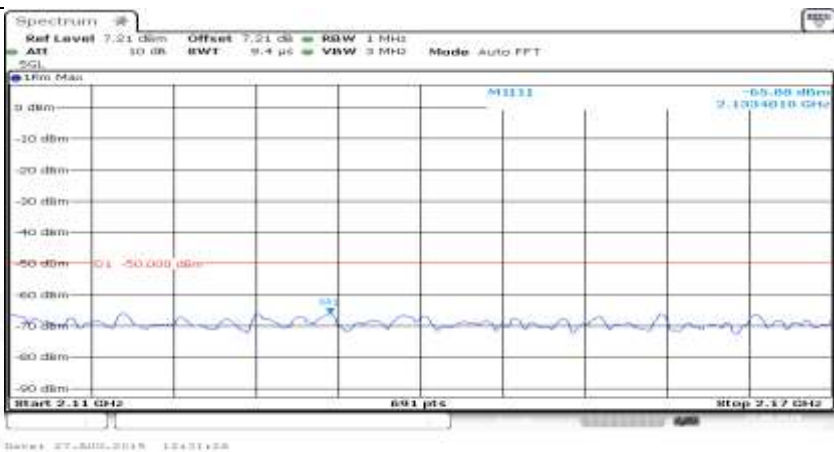
Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0

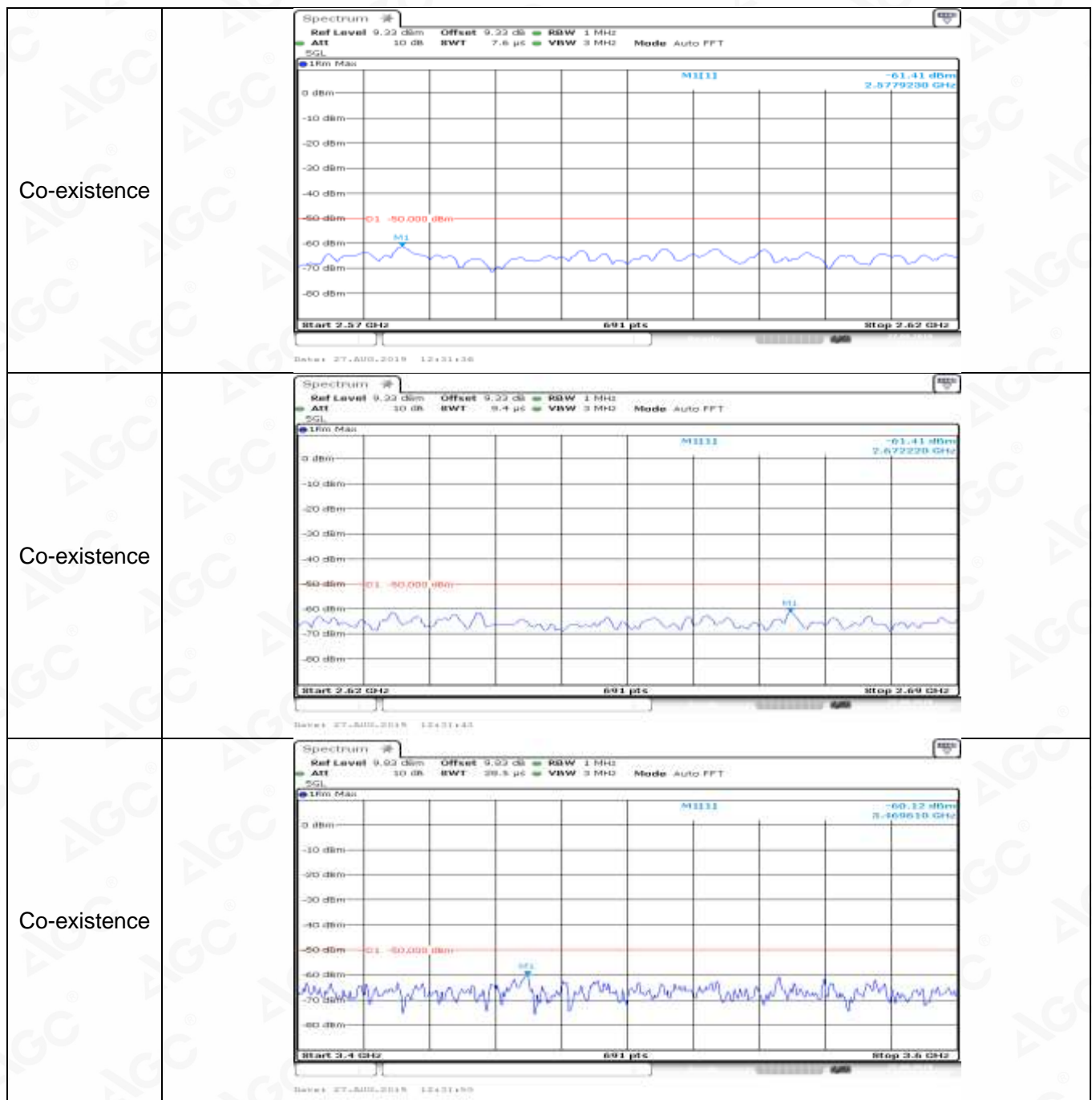


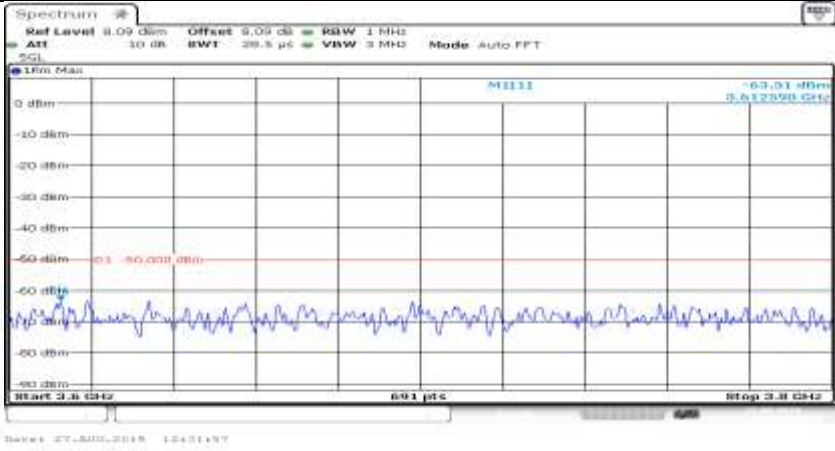
General	
General	
General	

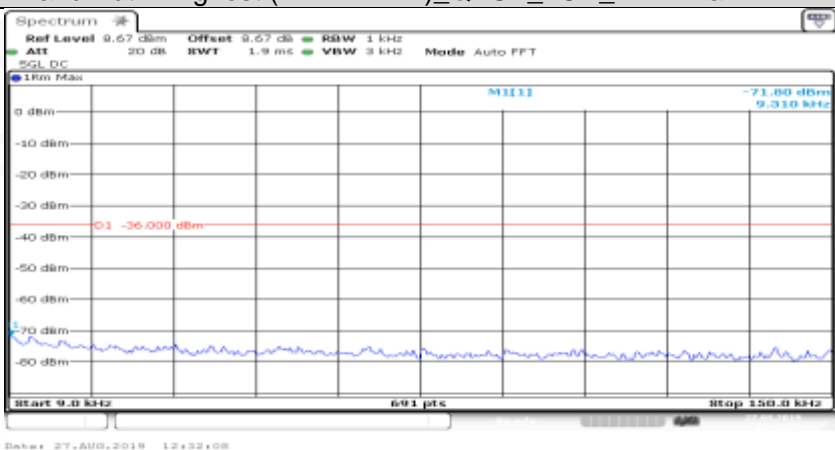
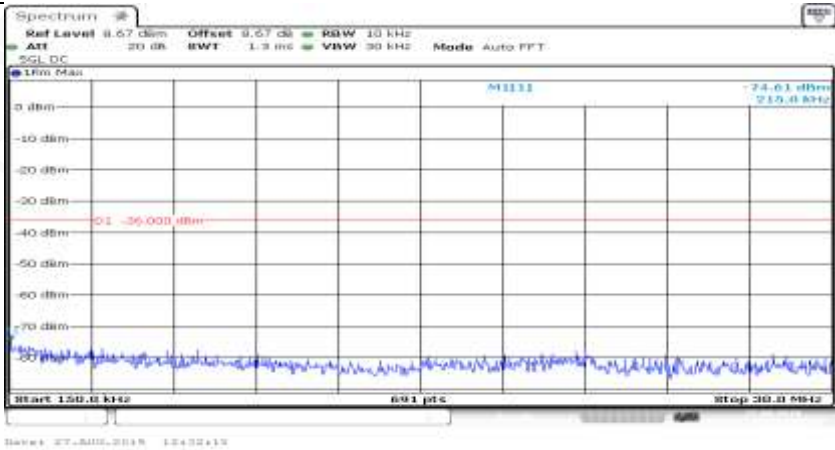


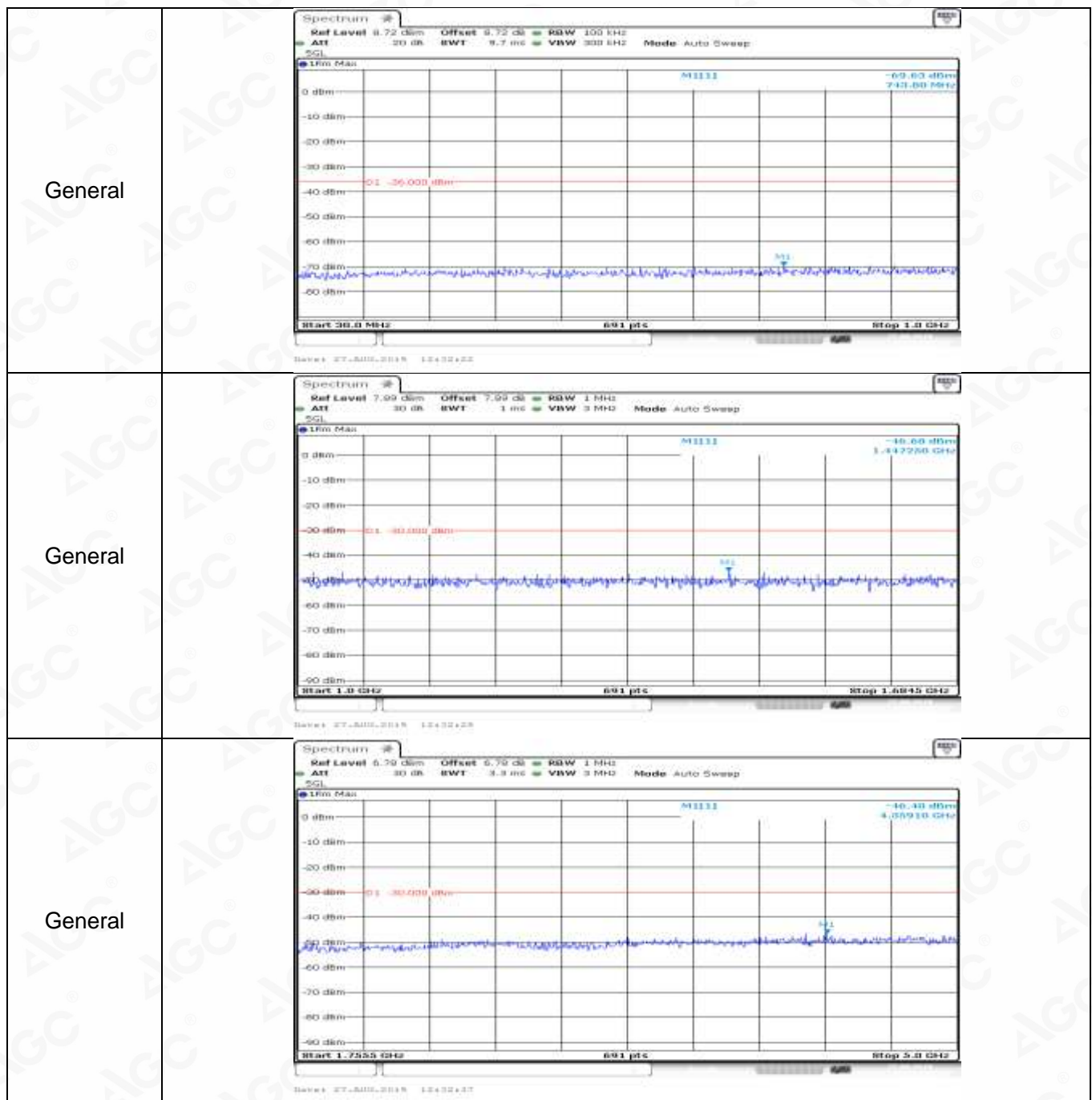
Co-existence	
Co-existence	
Co-existence	

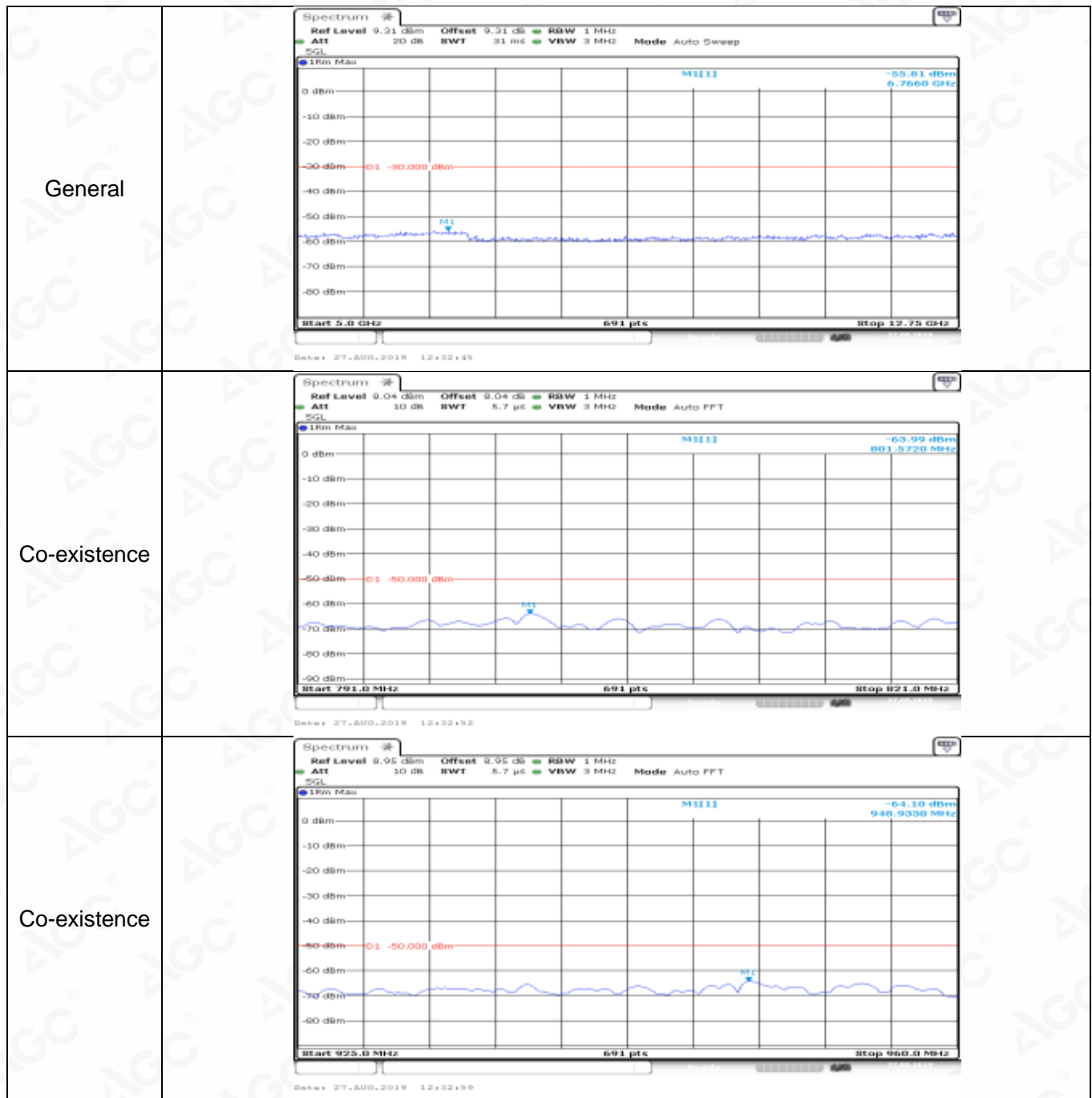



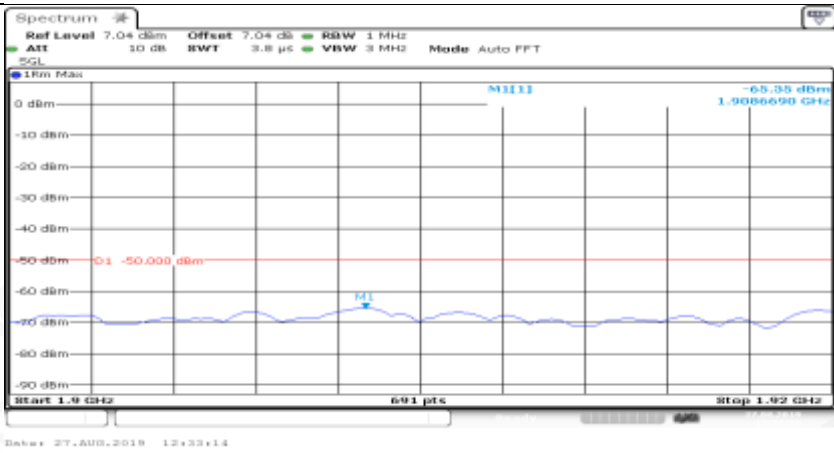
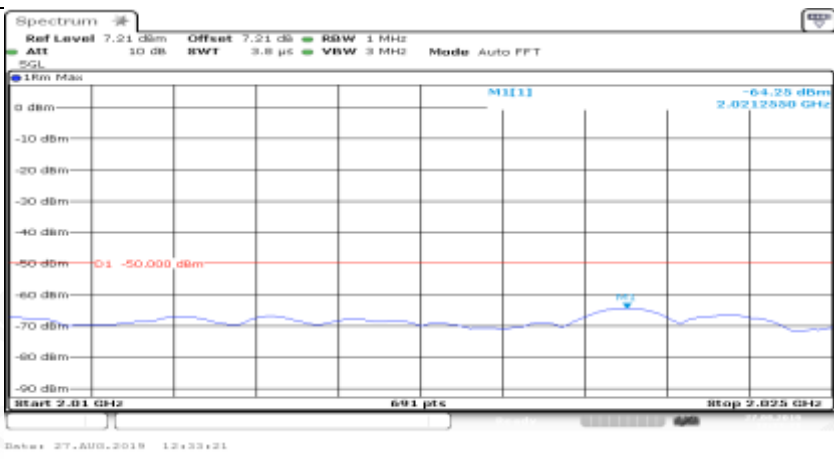


Co-existence	
Additional	NA

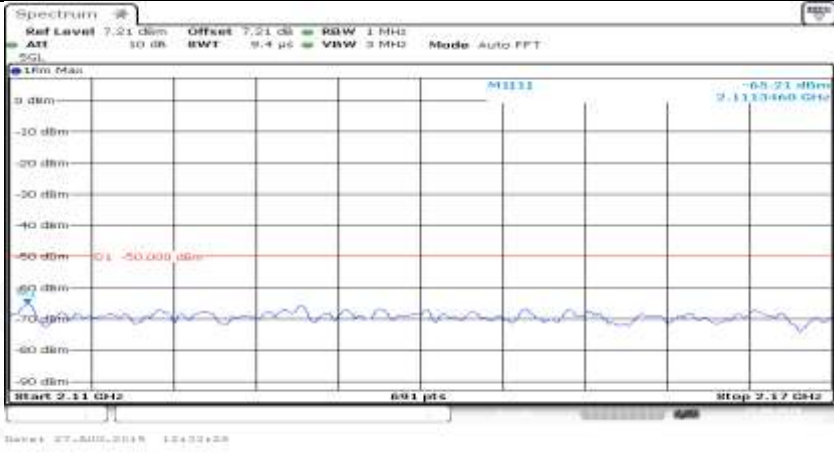
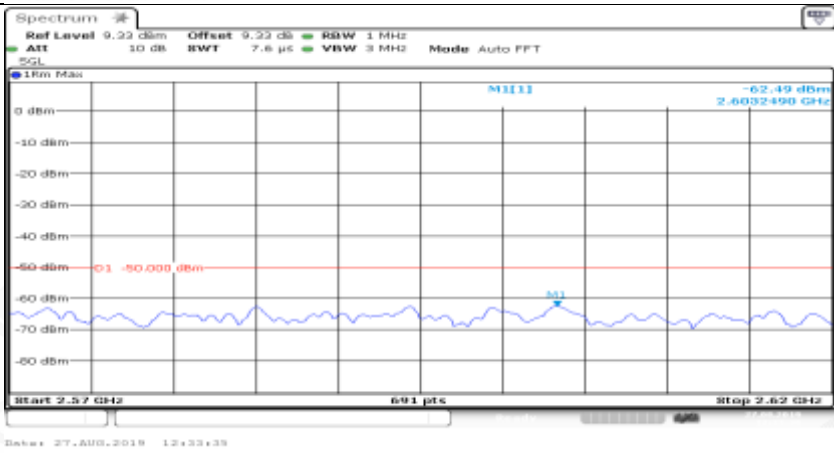
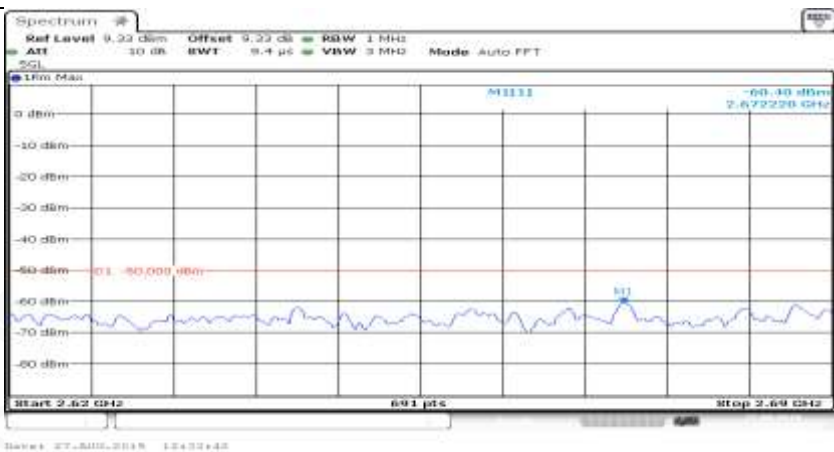
Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	
General	




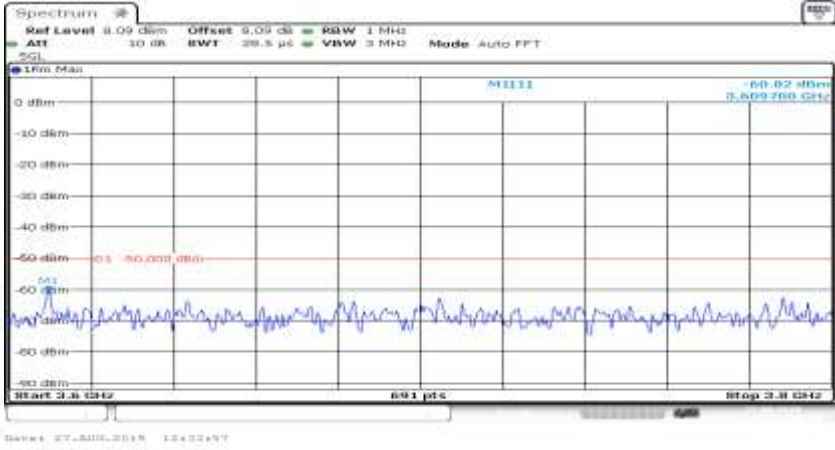


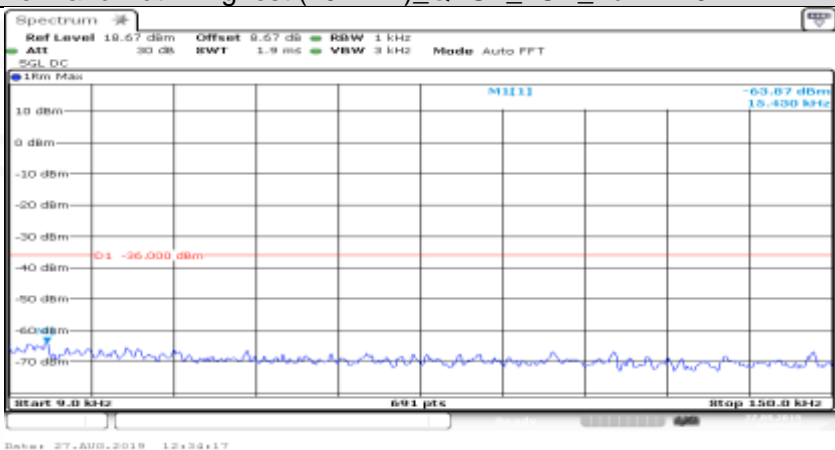
Co-existence	
Co-existence	
Co-existence	


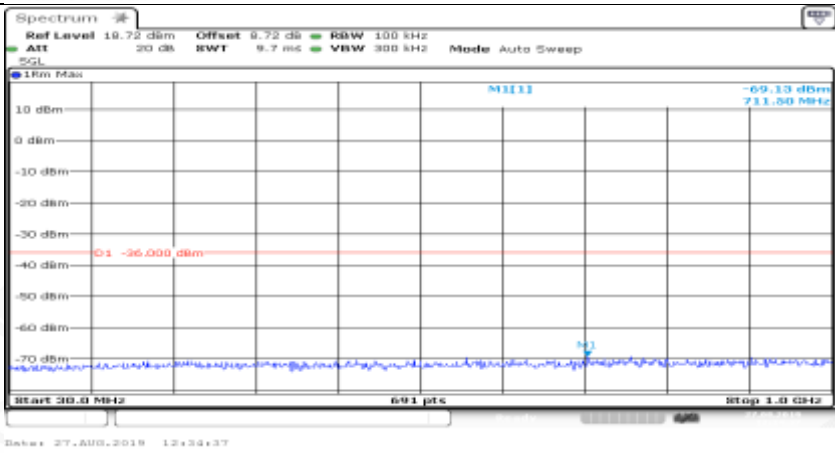
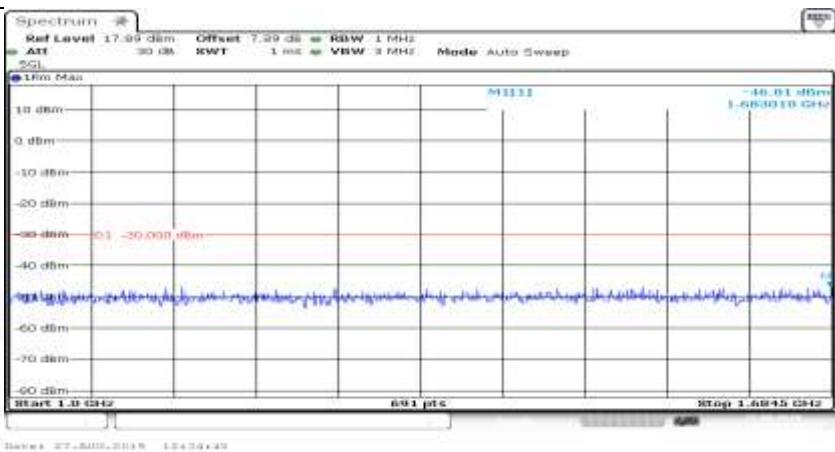


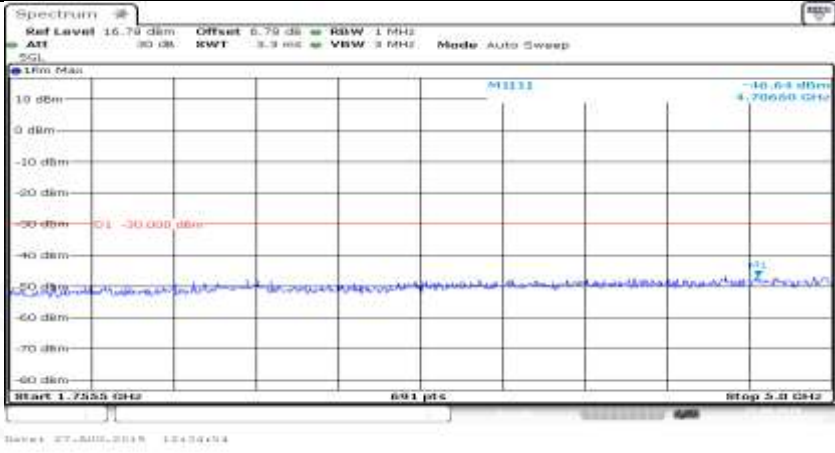
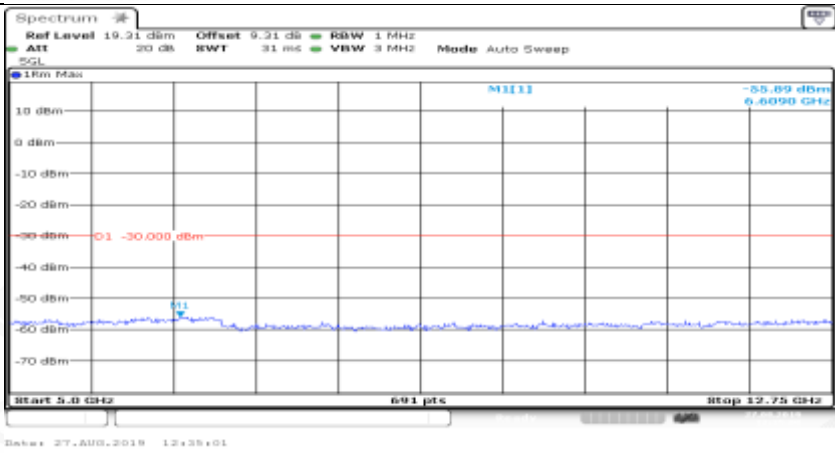
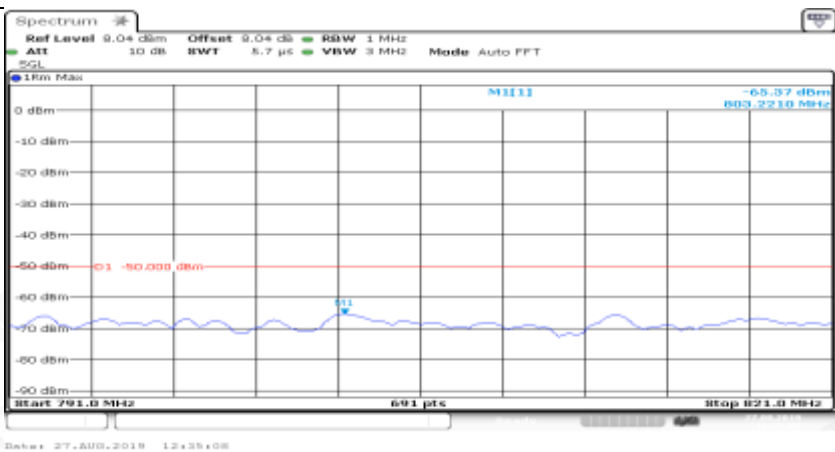
Co-existence	
Co-existence	
Co-existence	

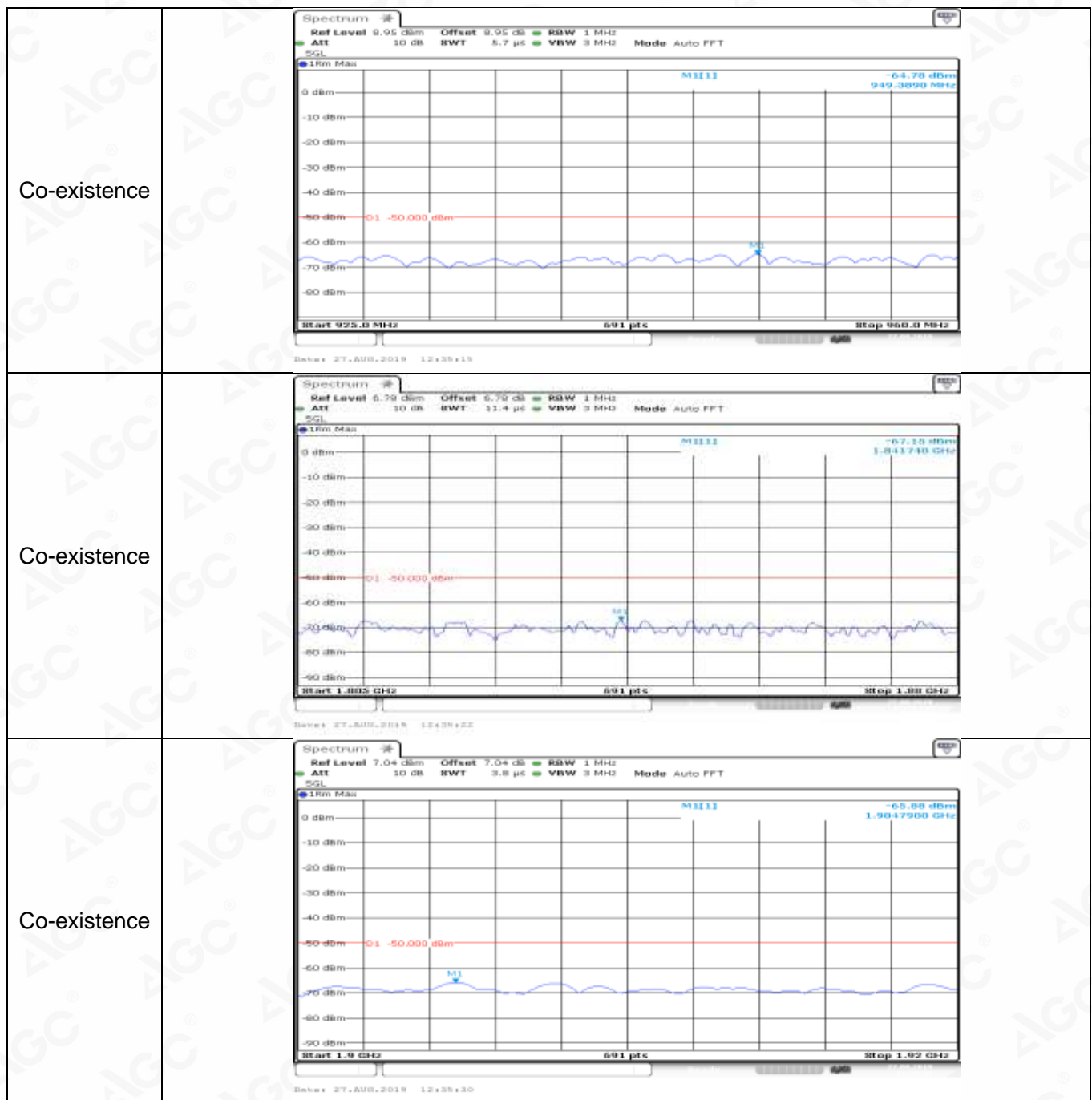


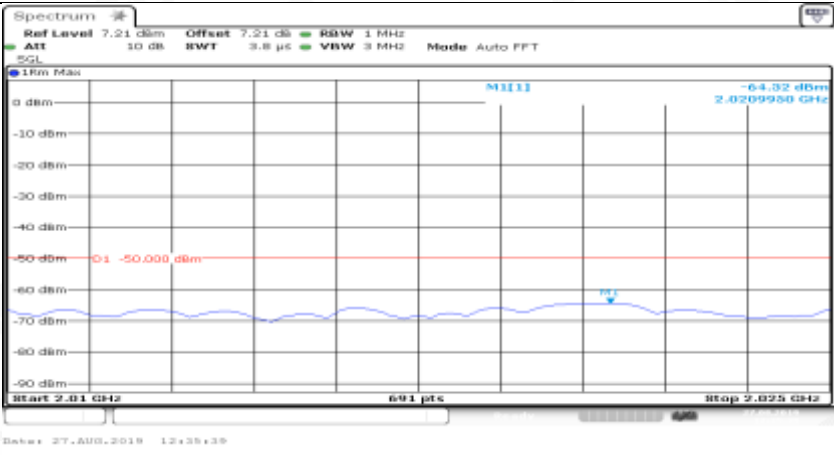

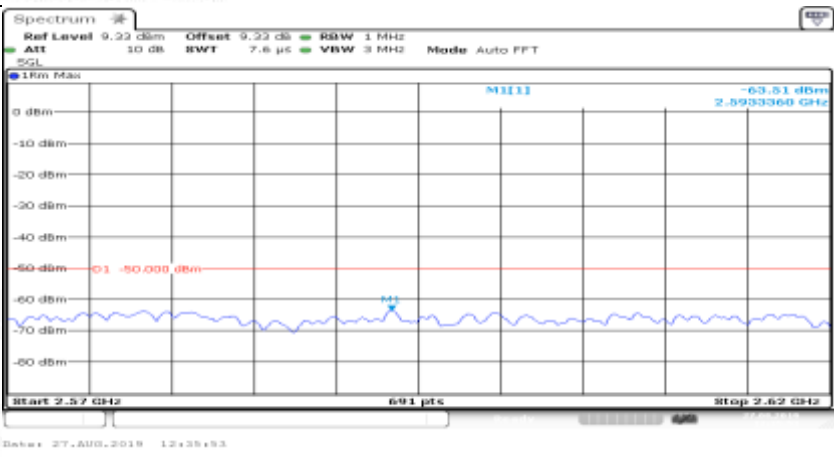
Co-existence	
Co-existence	
Additional	NA

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


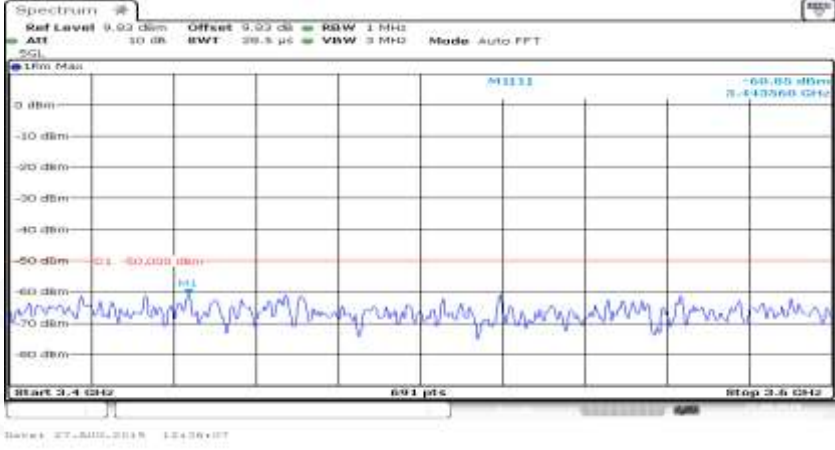
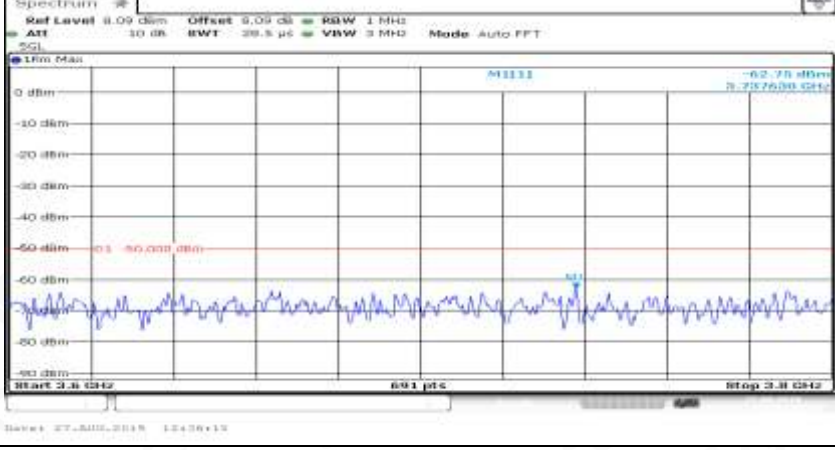
General	
General	
General	

General	
General	
Co-existence	

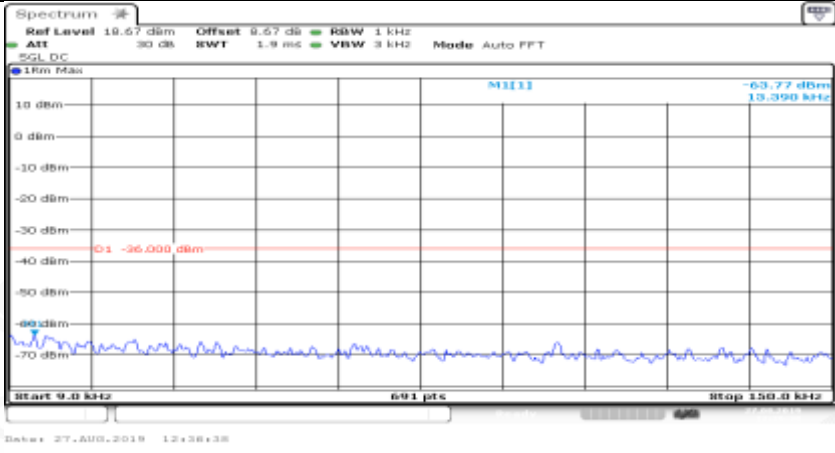
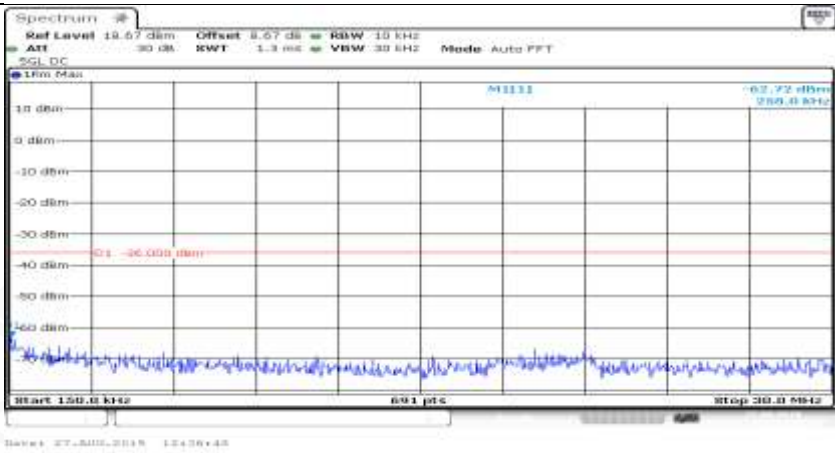
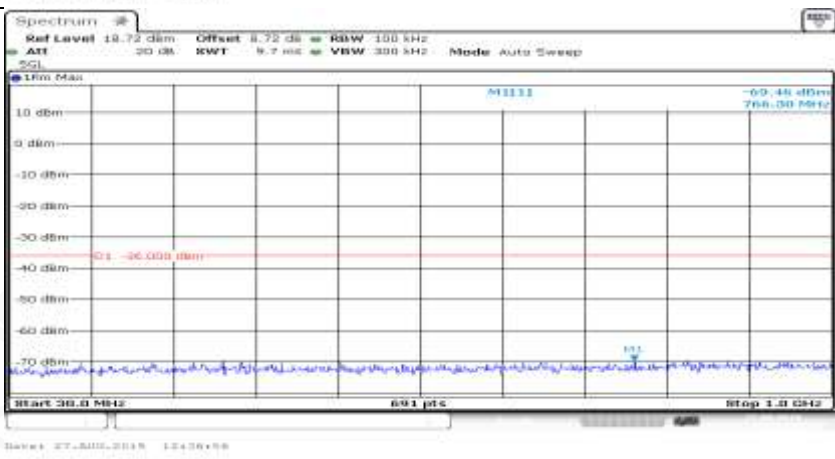


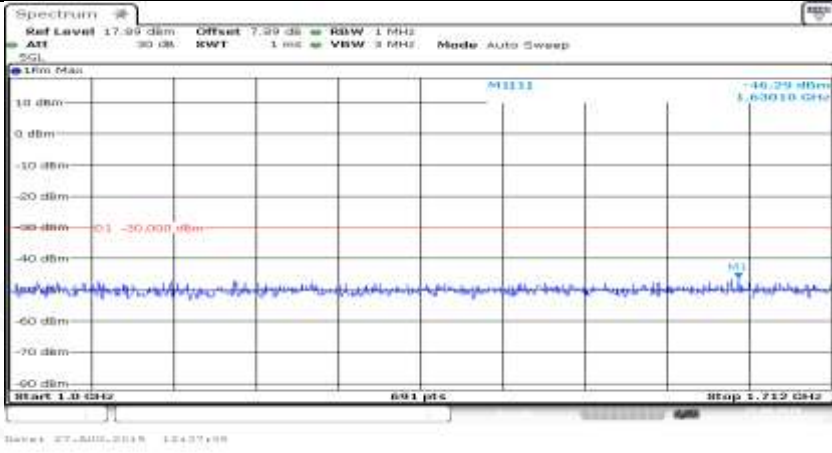
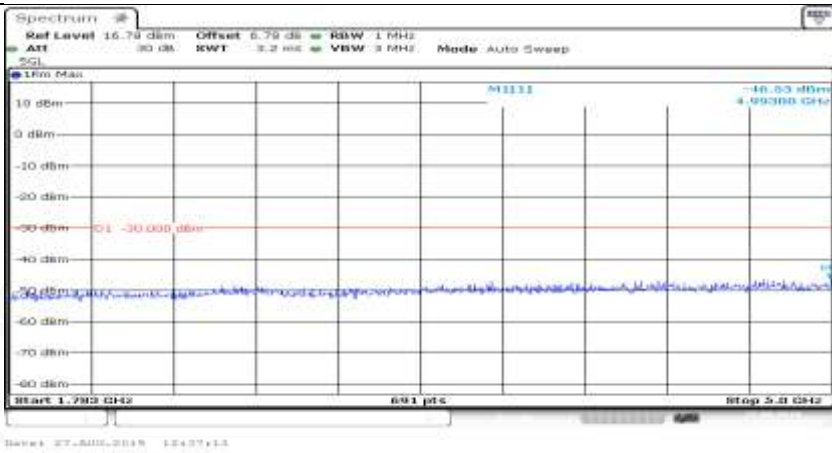
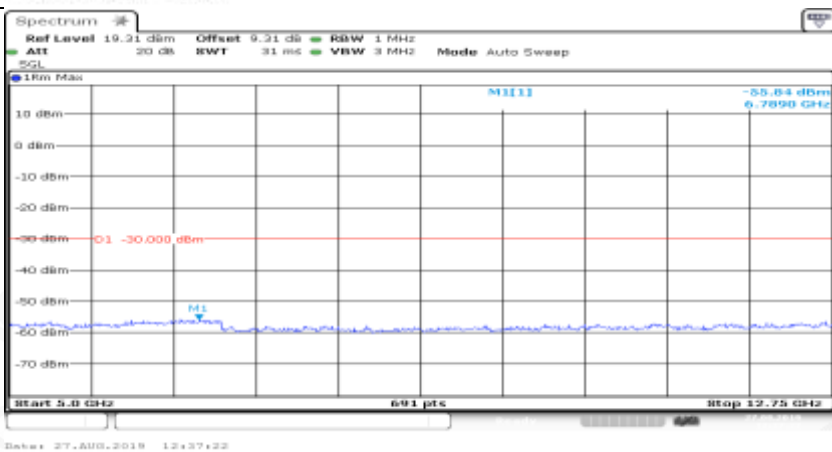
Co-existence	
Co-existence	
Co-existence	



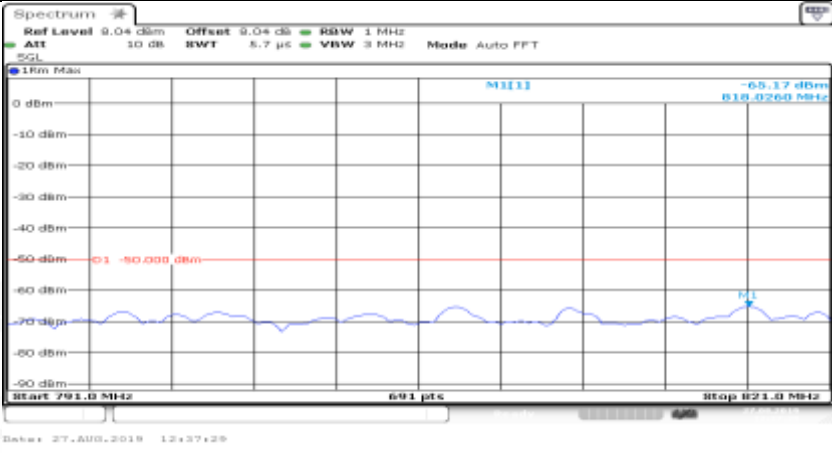
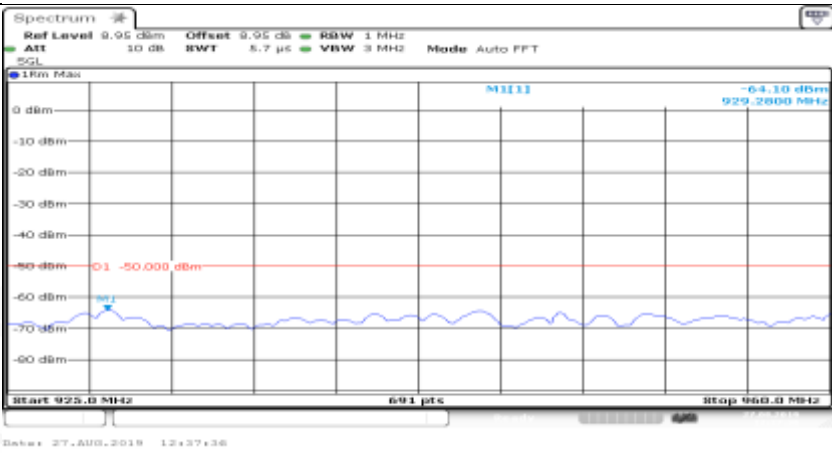
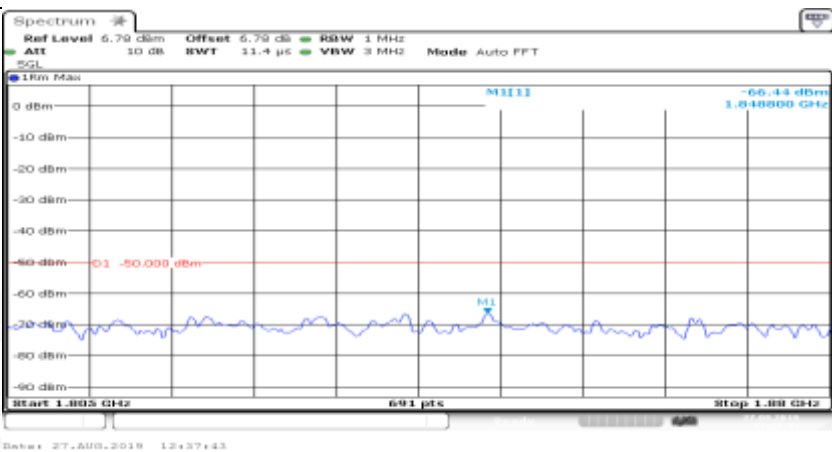
Co-existence	
Co-existence	
Co-existence	
Additional	NA

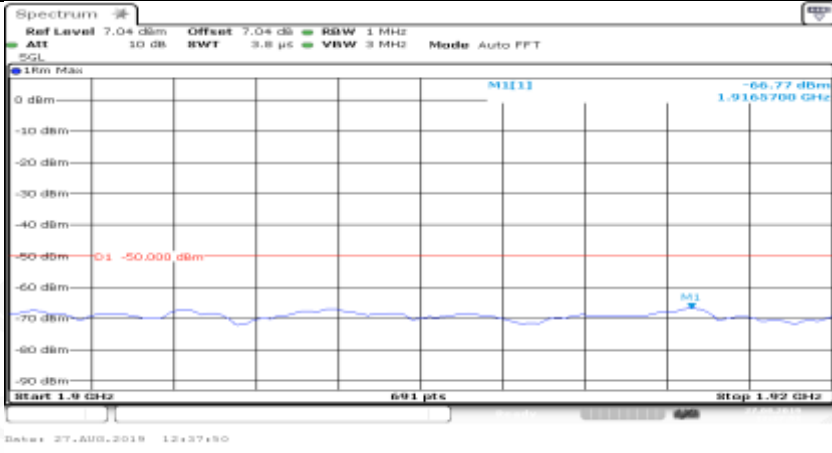
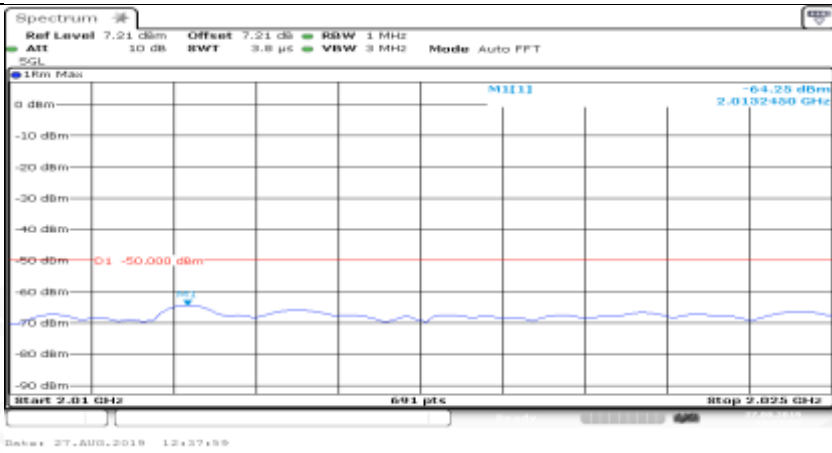
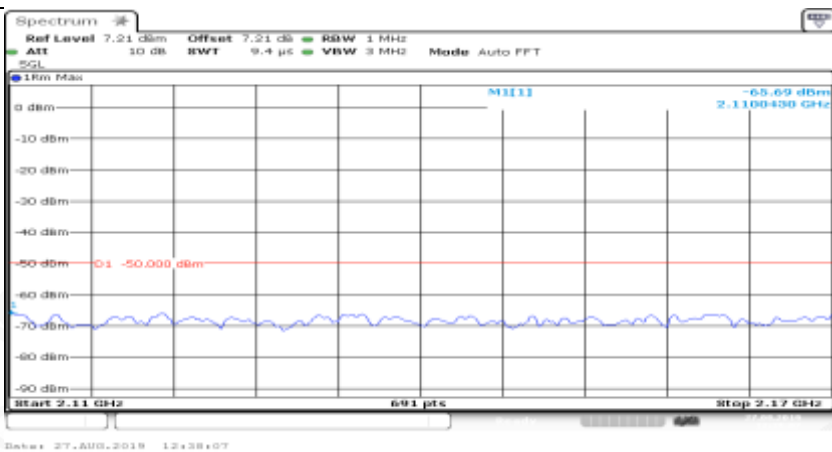
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	
General	
General	

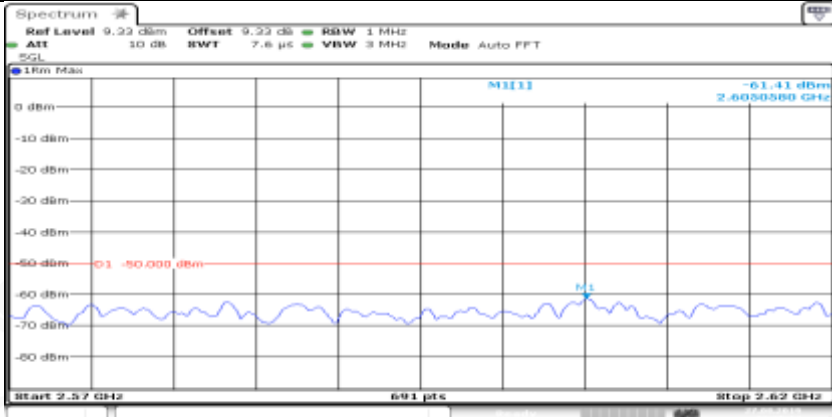


General	
General	
General	



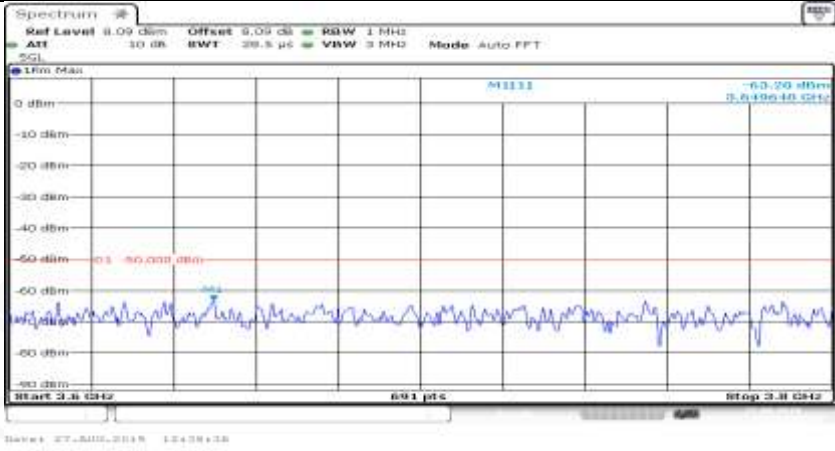
Co-existence	
Co-existence	
Co-existence	

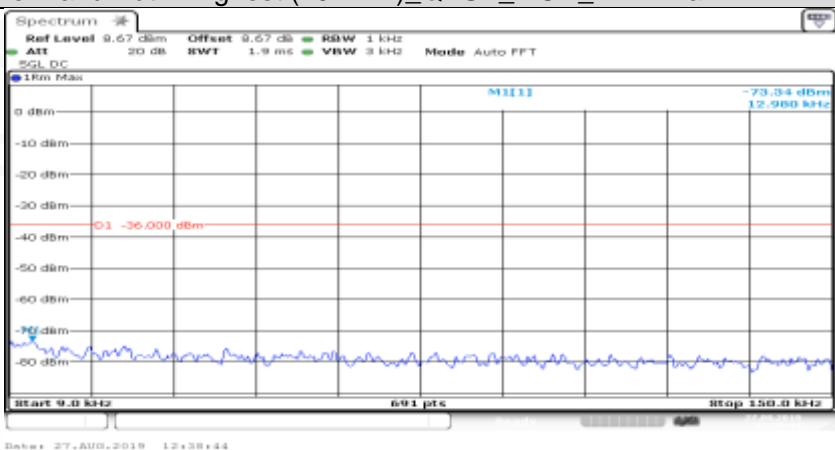
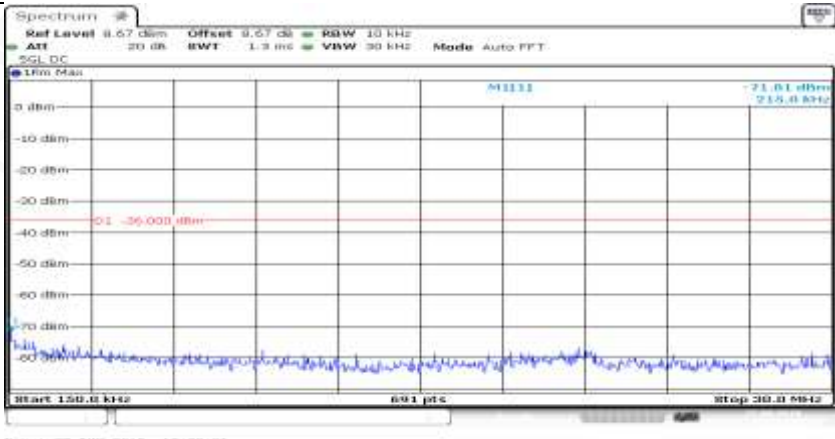
Co-existence	
Co-existence	
Co-existence	

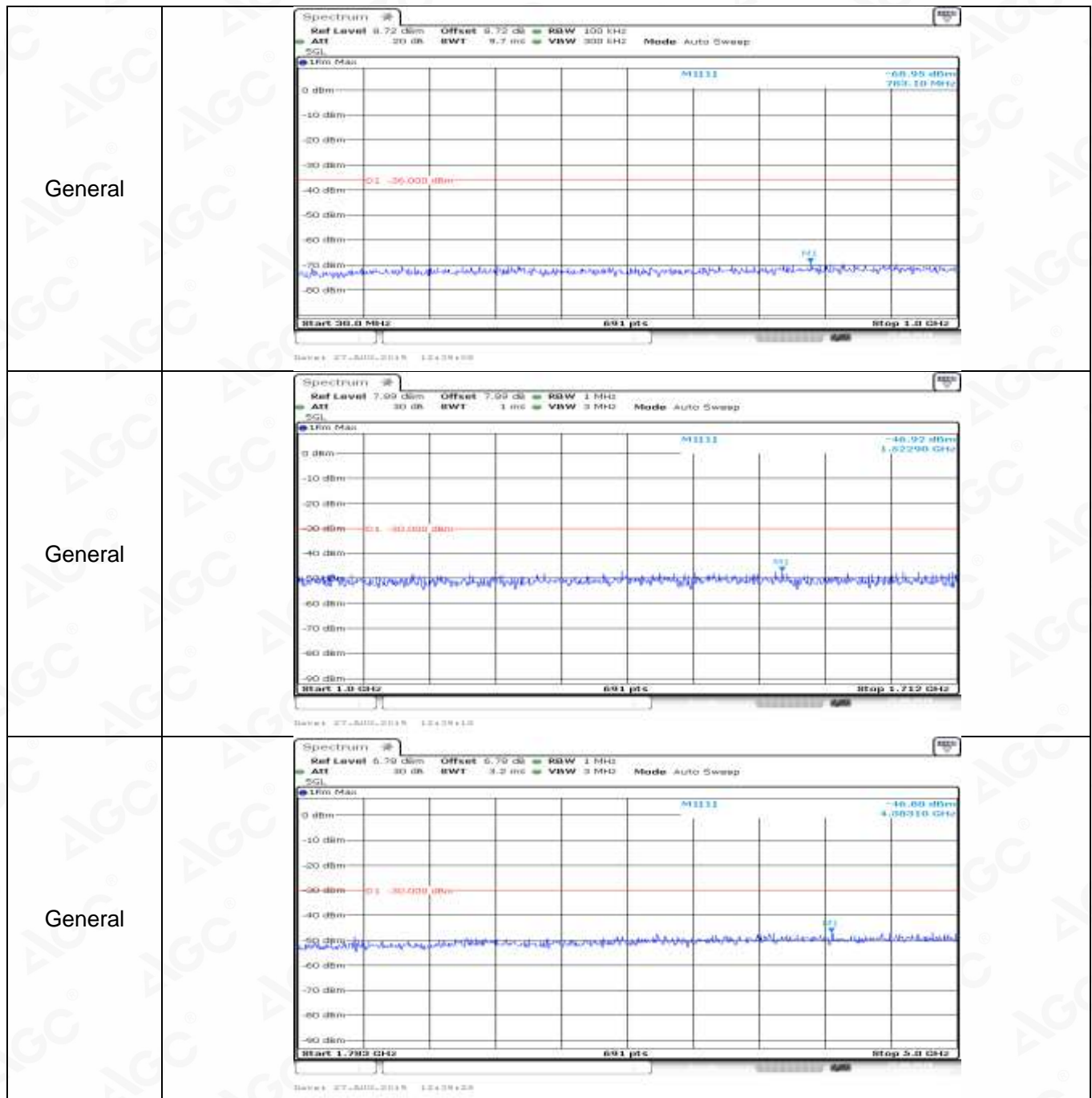


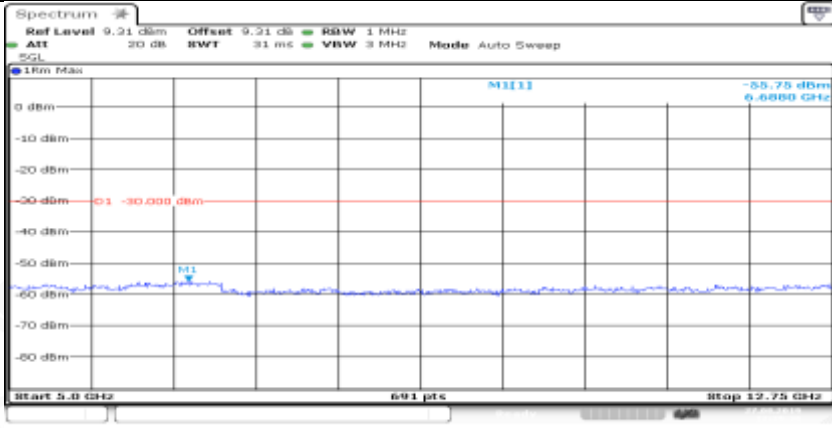

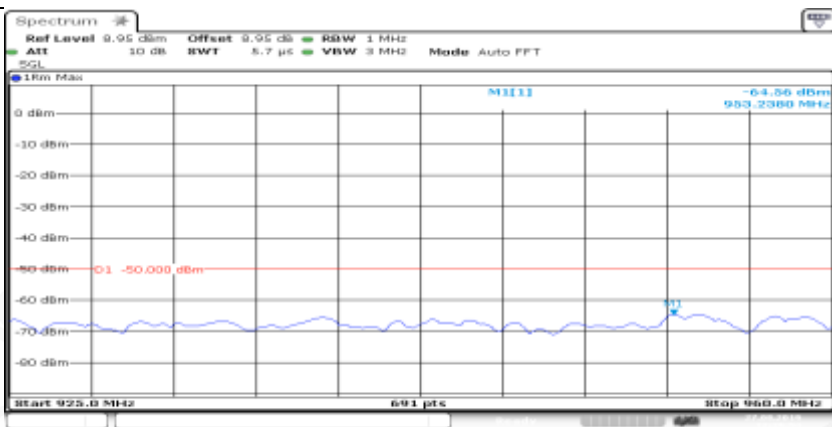
Co-existence	
Co-existence	
Co-existence	


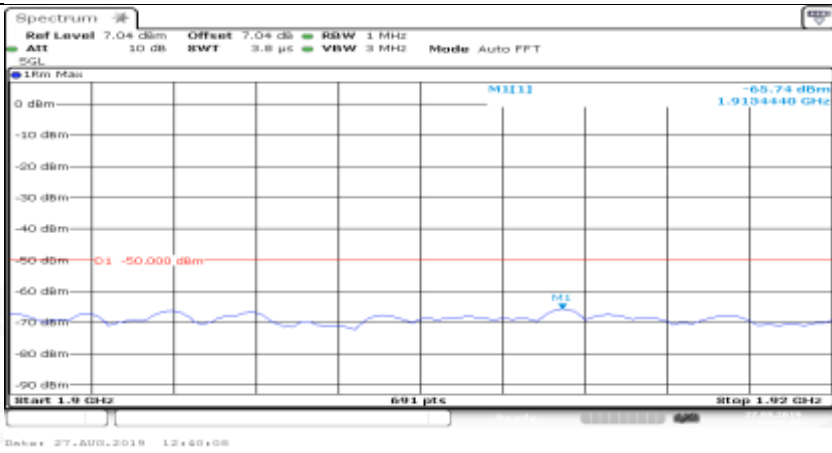
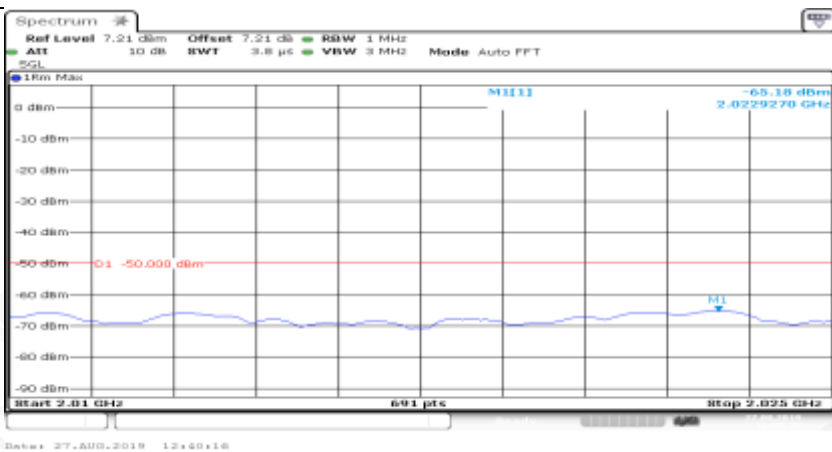


Co-existence	
Additional	NA

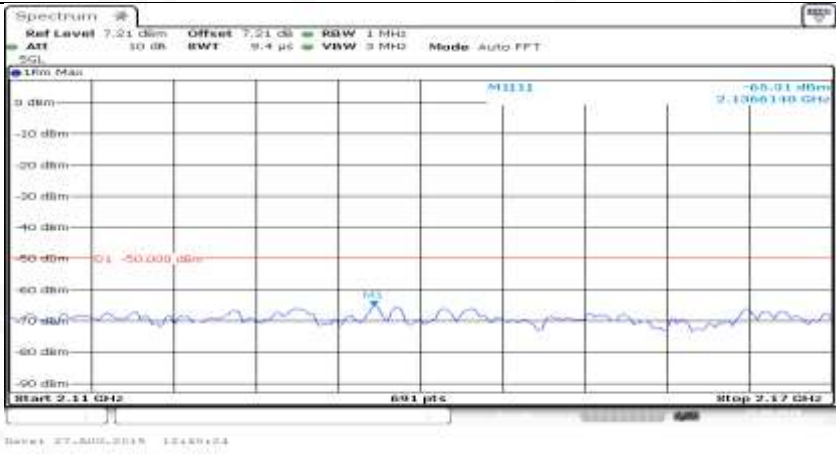
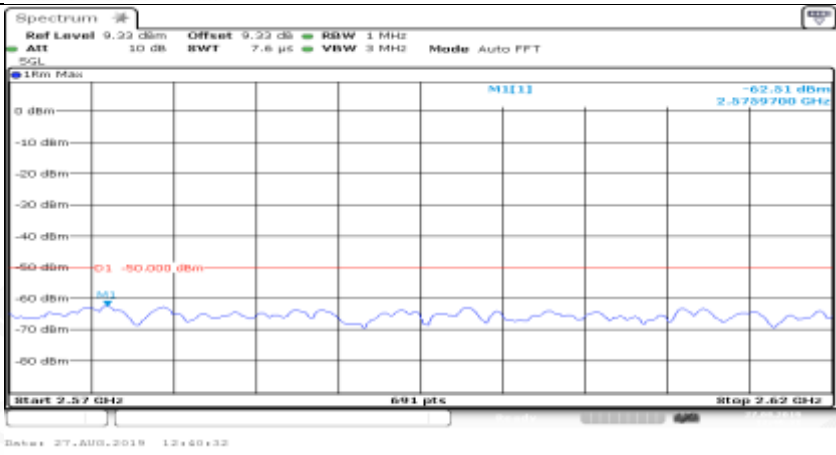
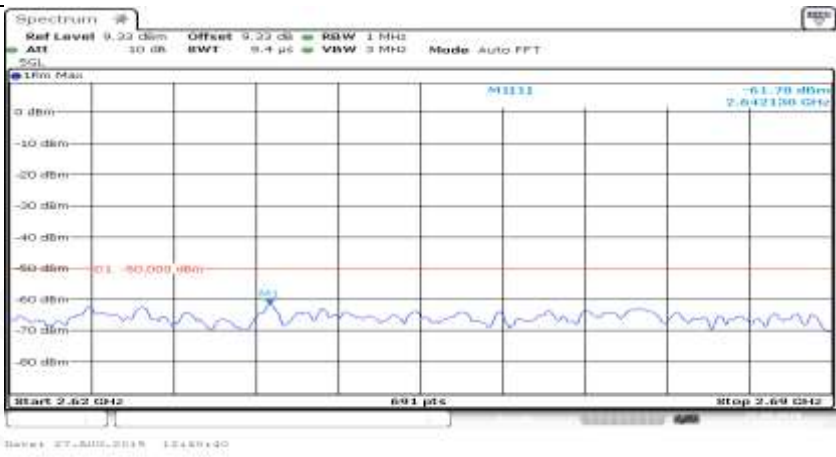
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	
General	



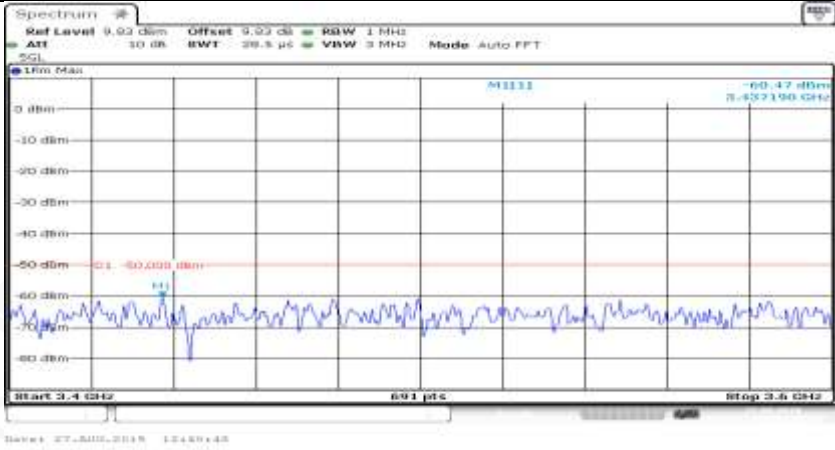
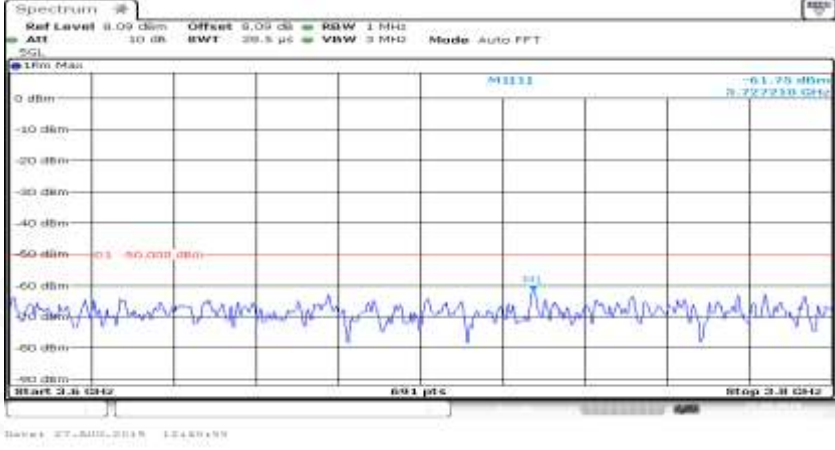
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz</p> <p>ATT 20 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 12:39:33</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz</p> <p>691 pts</p> <p>Stop 821.0 MHz</p> <p>Date: 27.AUG.2019 12:39:47</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 925.0 MHz</p> <p>691 pts</p> <p>Stop 955.0 MHz</p> <p>Date: 27.AUG.2019 12:39:53</p>

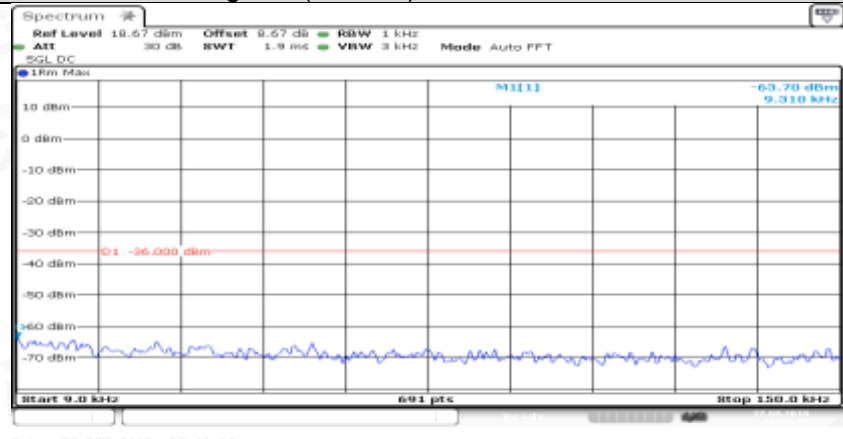
Co-existence	
Co-existence	
Co-existence	

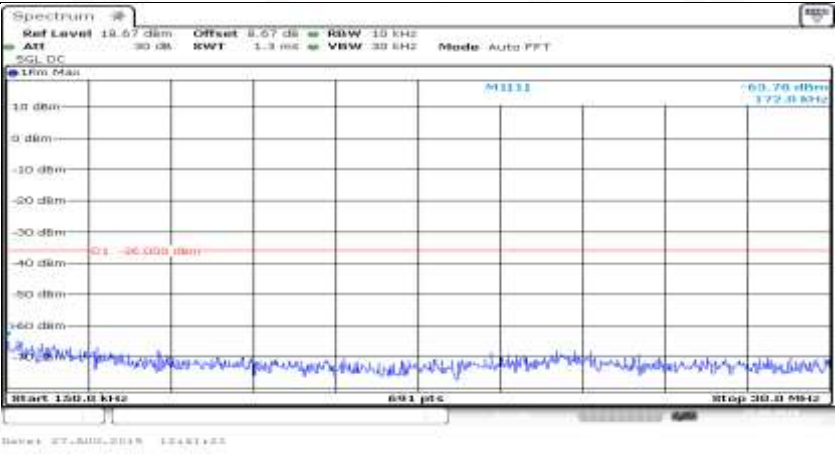

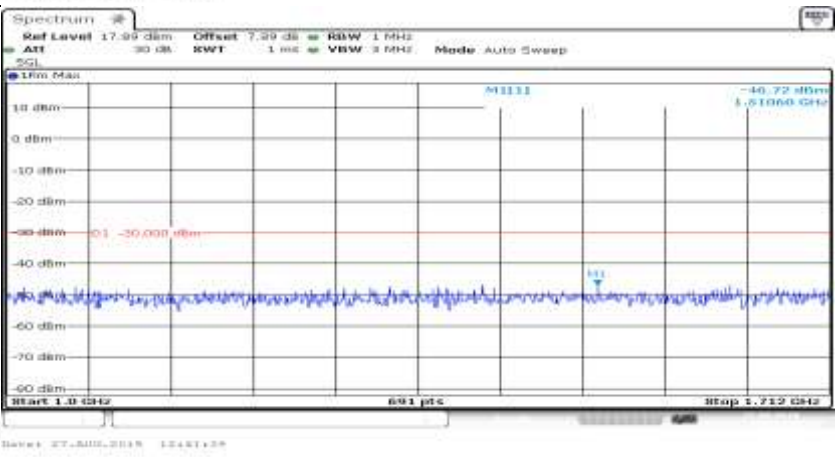


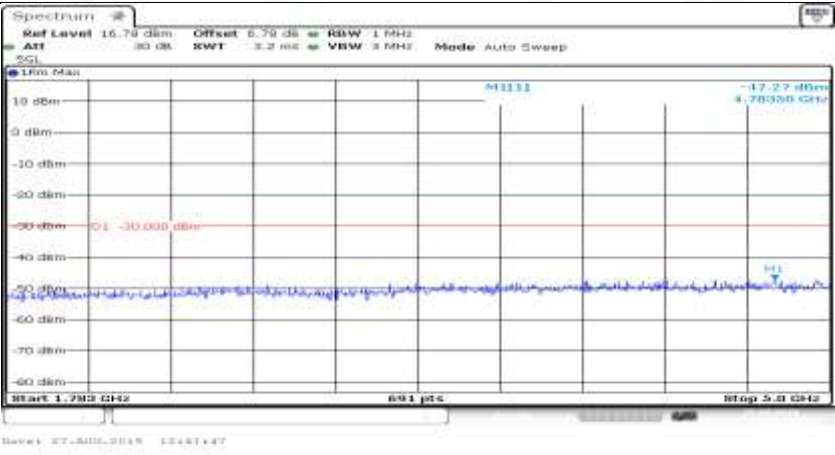
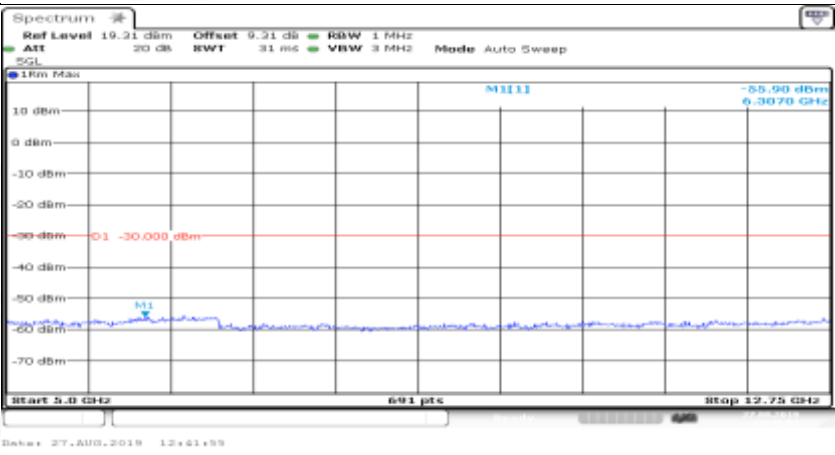
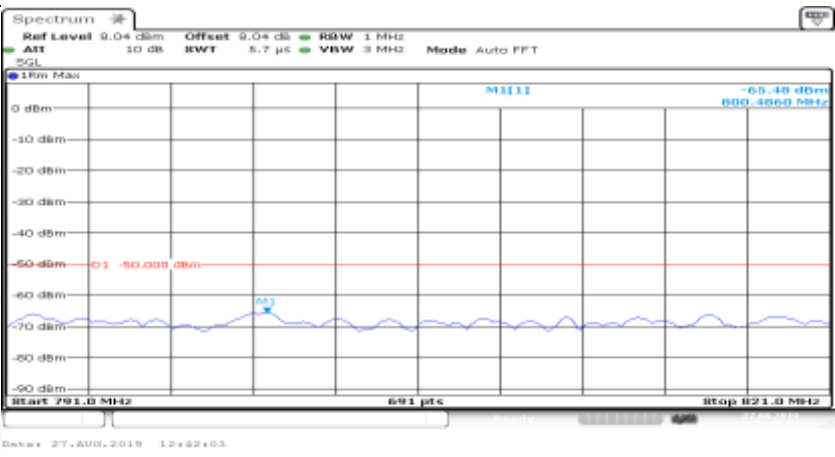
Co-existence	
Co-existence	
Co-existence	

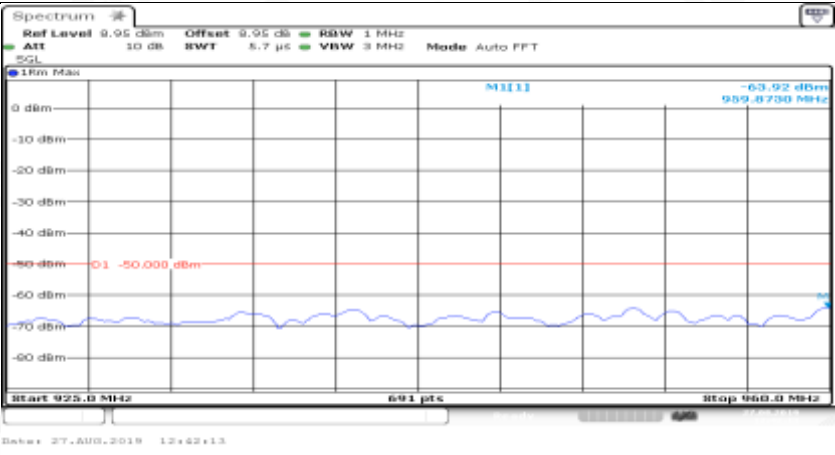

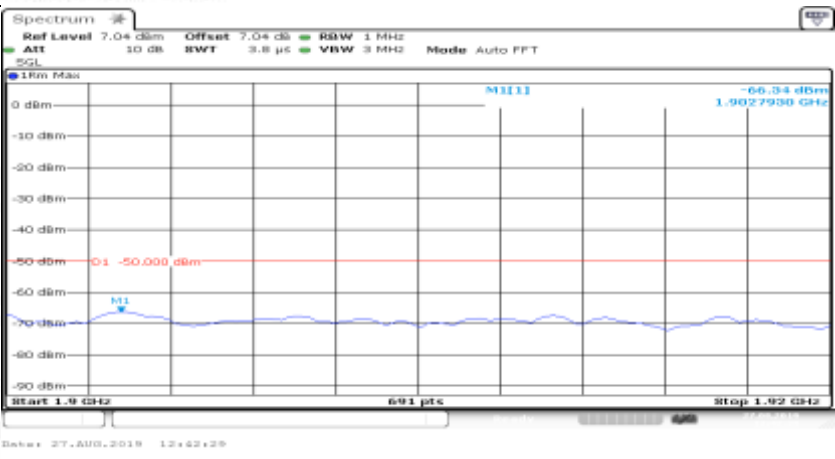


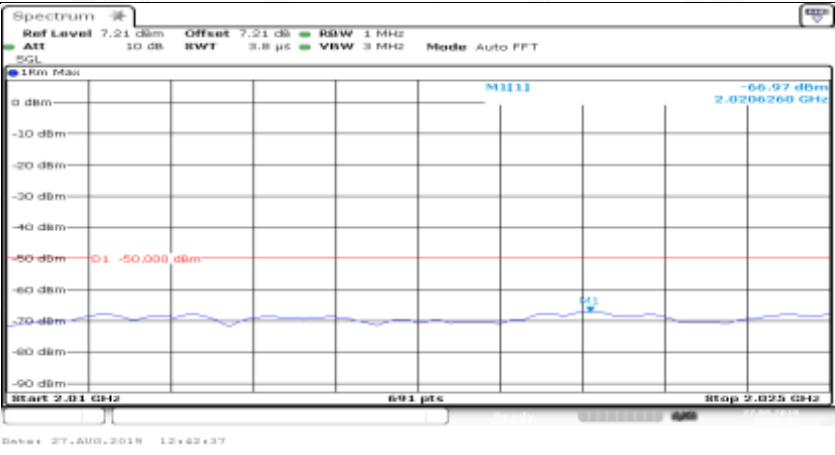
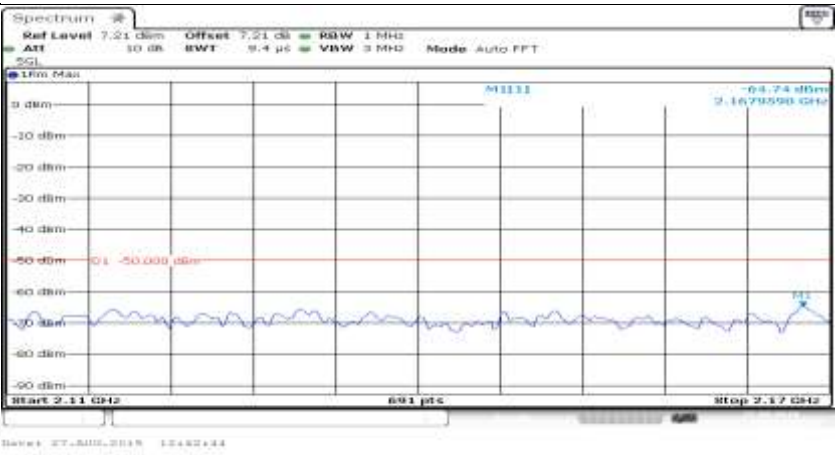

Co-existence	
Co-existence	
Additional	NA

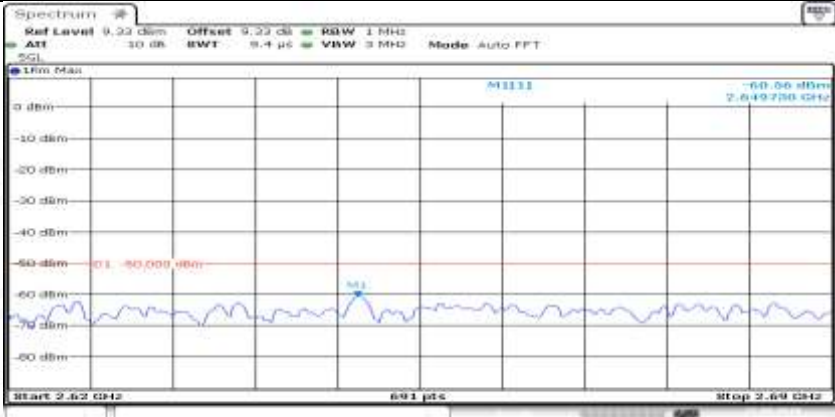
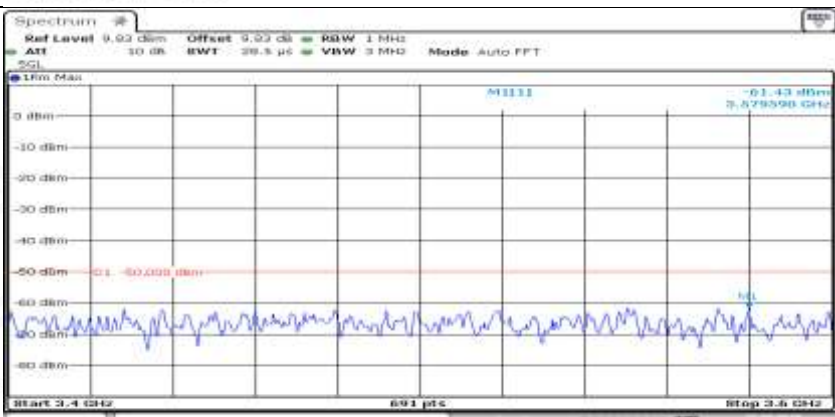
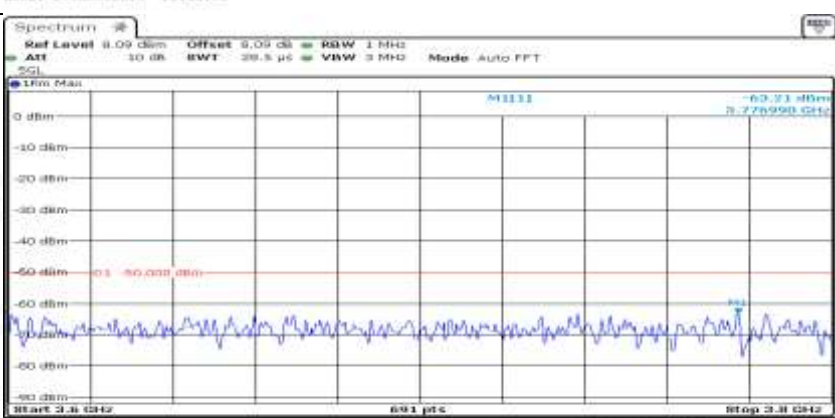
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	

General	
General	
General	

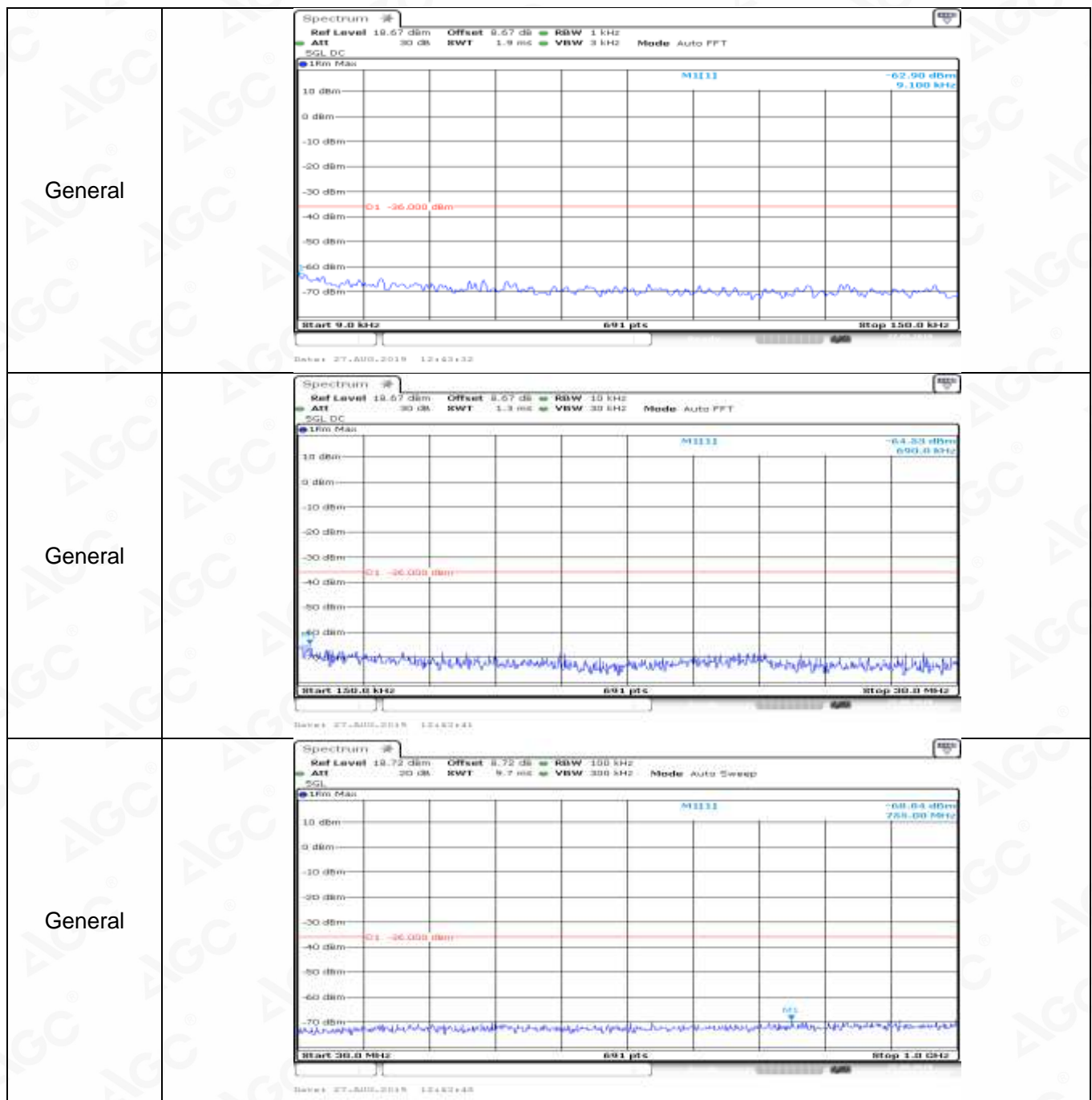
General	
General	
Co-existence	

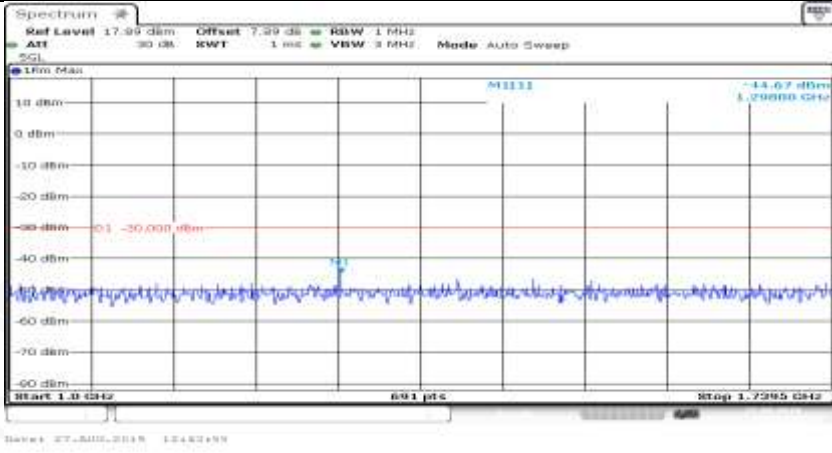
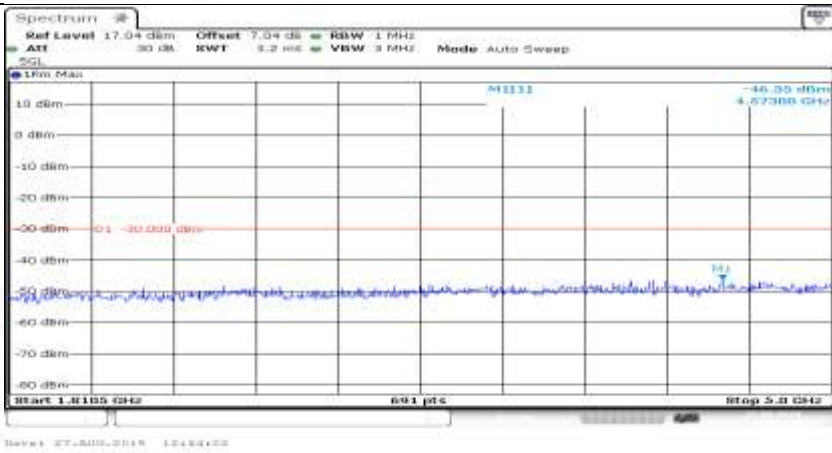
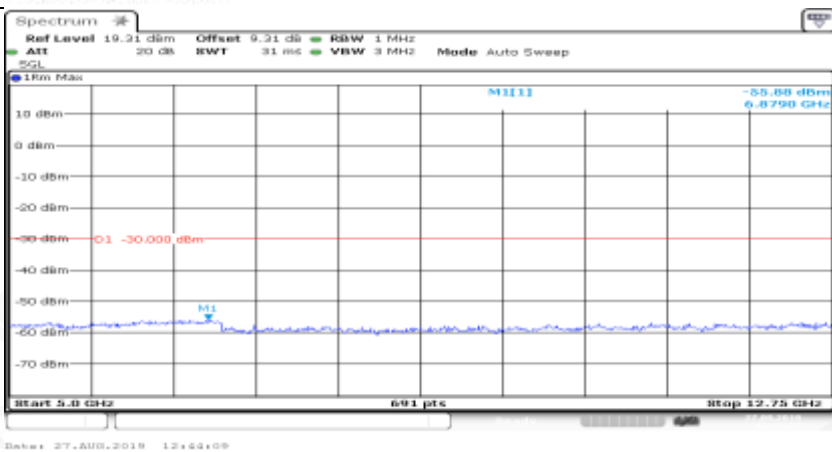
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

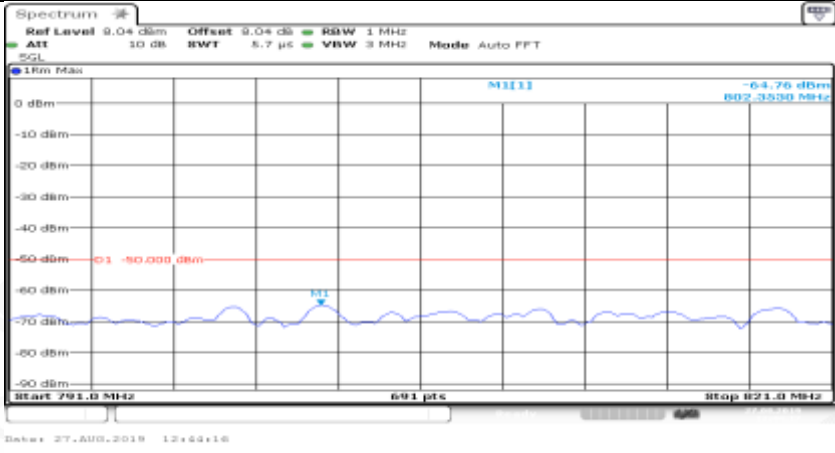
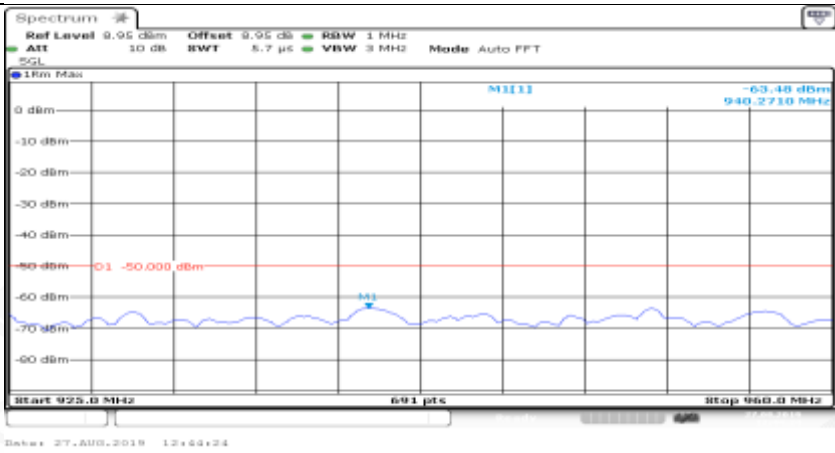
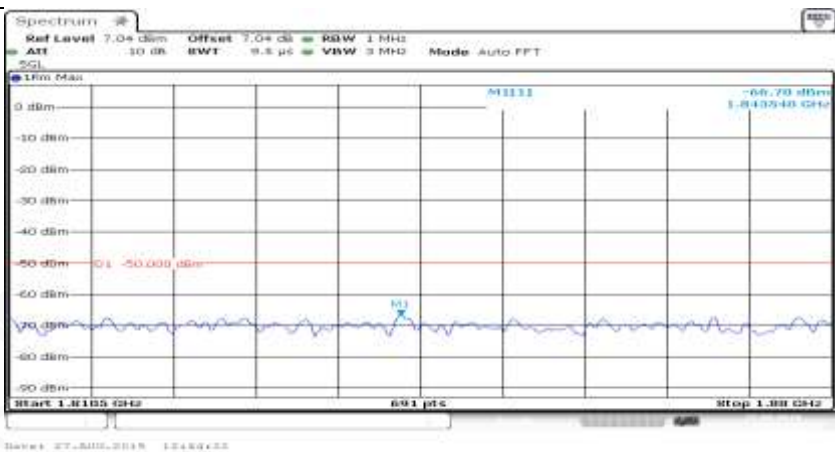
Co-existence	
Co-existence	
Co-existence	
Additional	NA

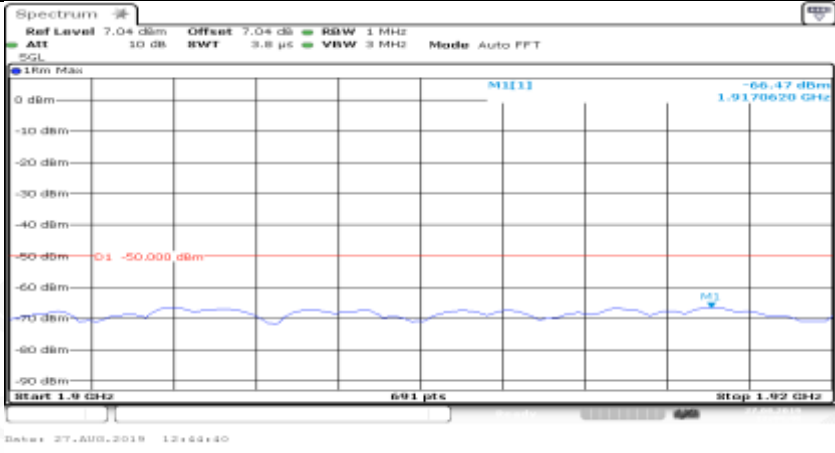
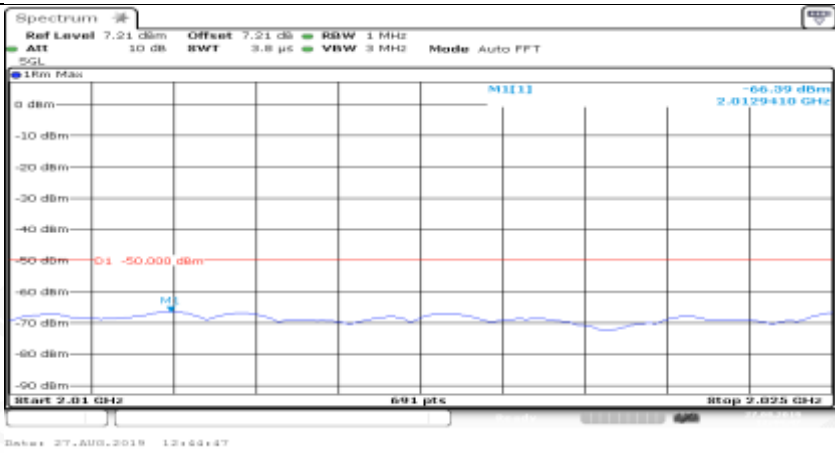
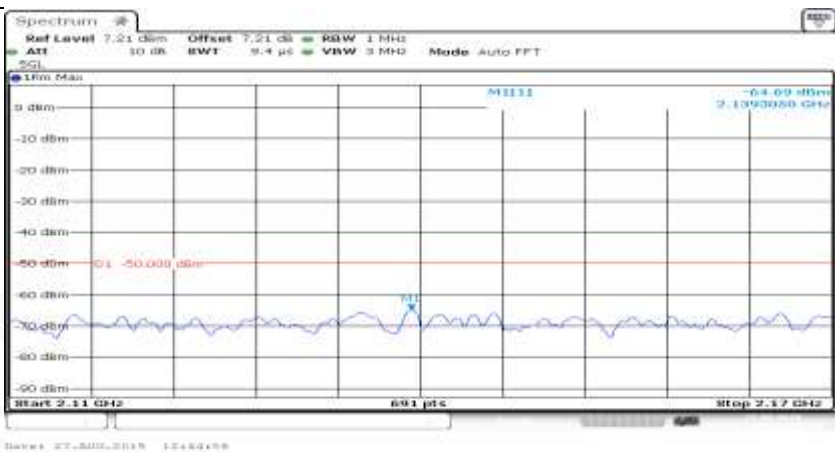
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

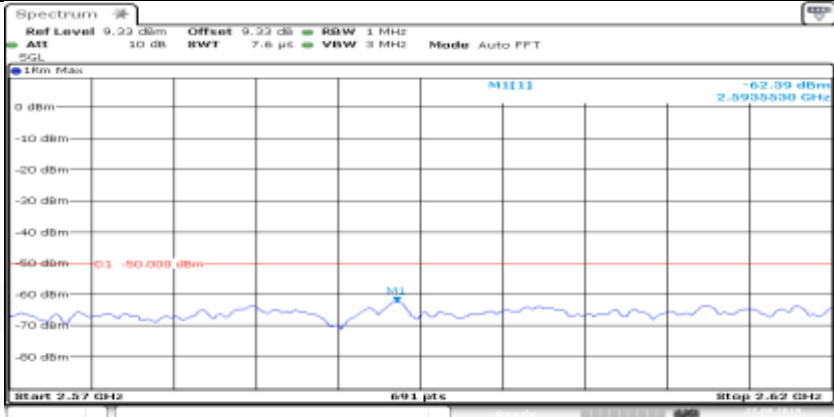
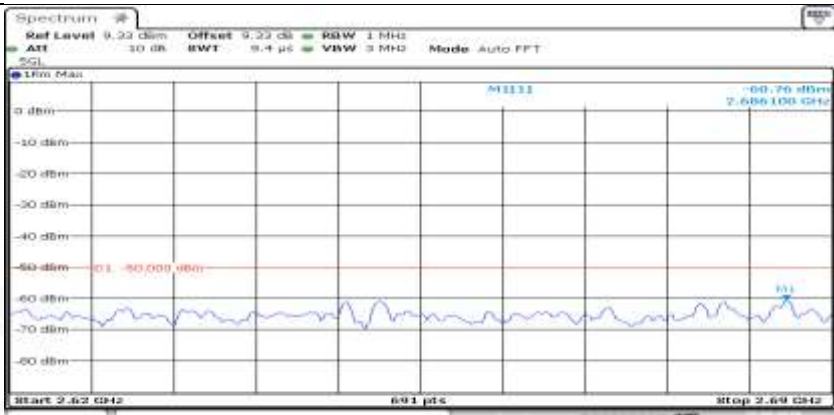



General	
General	
General	

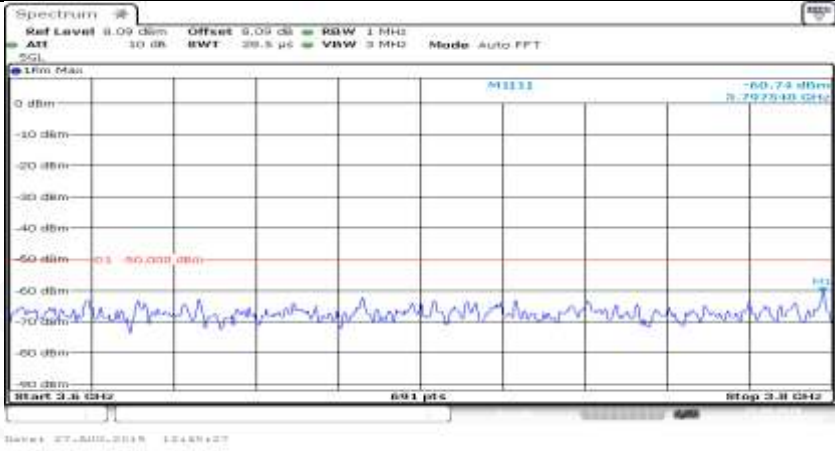


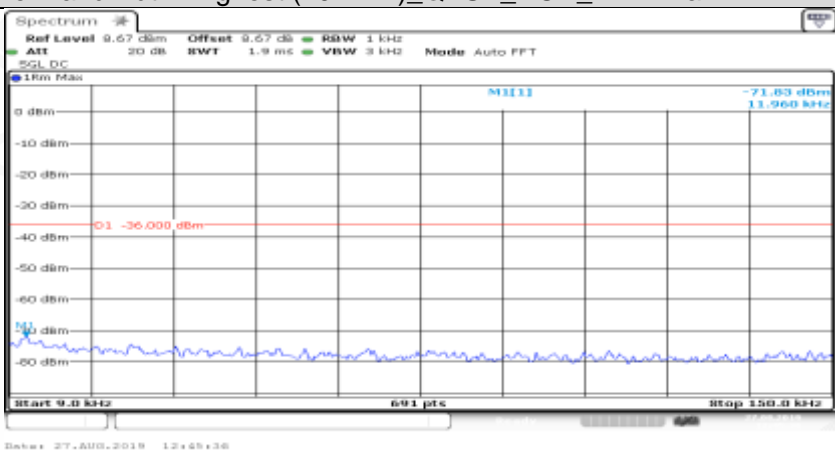
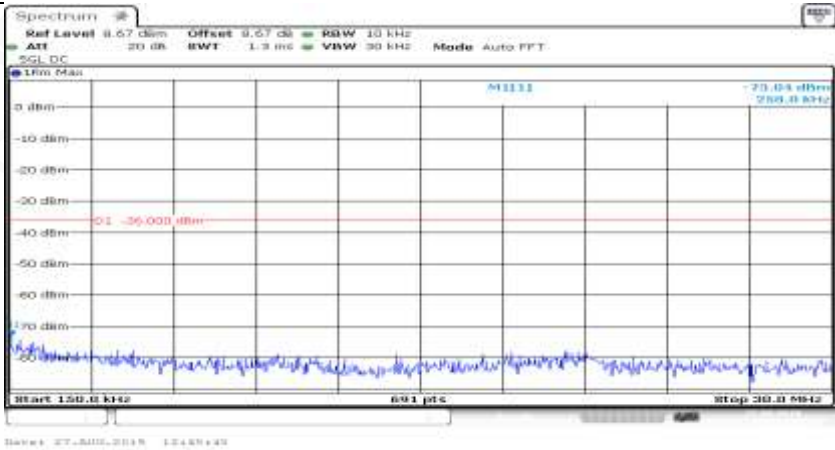
Co-existence	
Co-existence	
Co-existence	

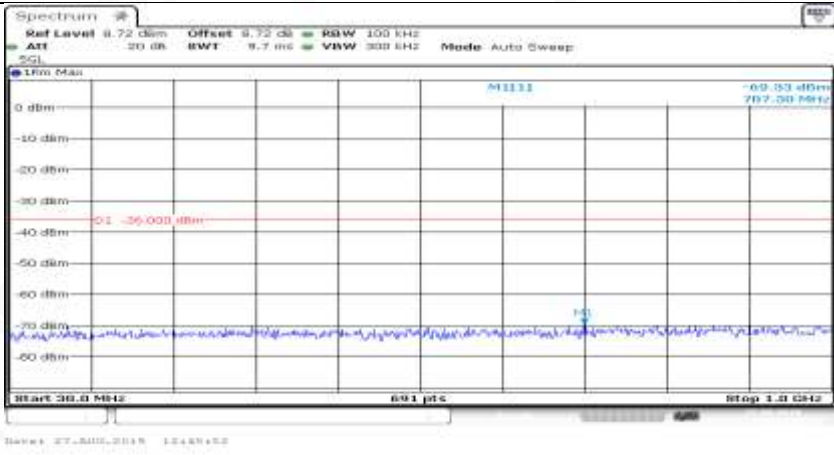
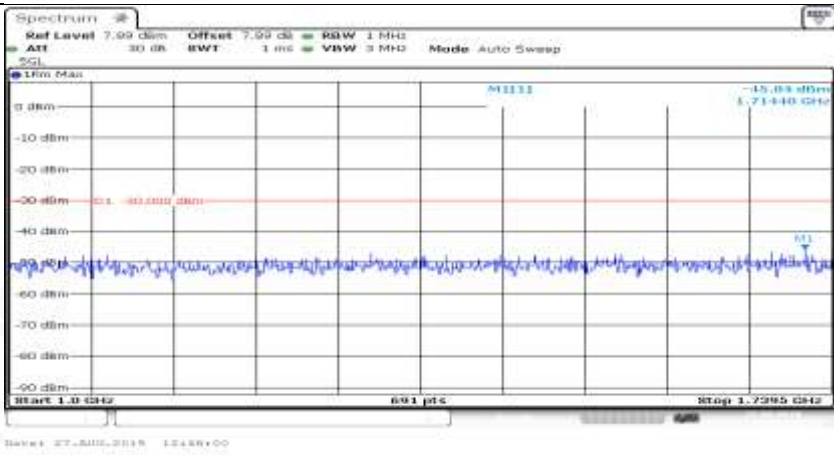
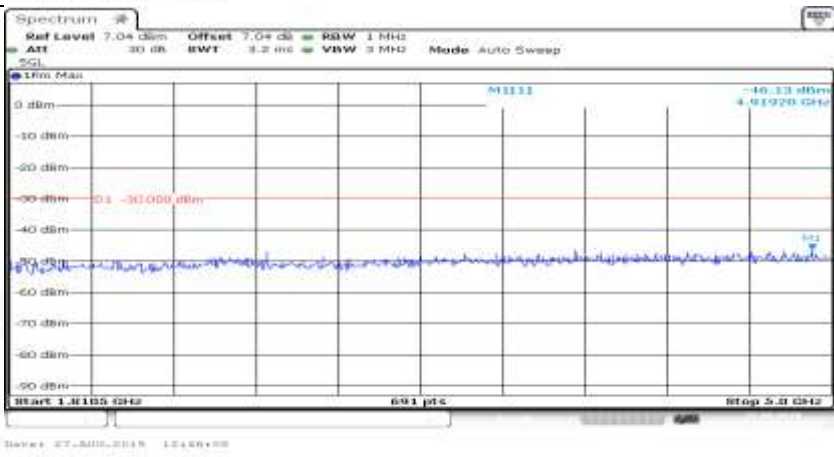
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

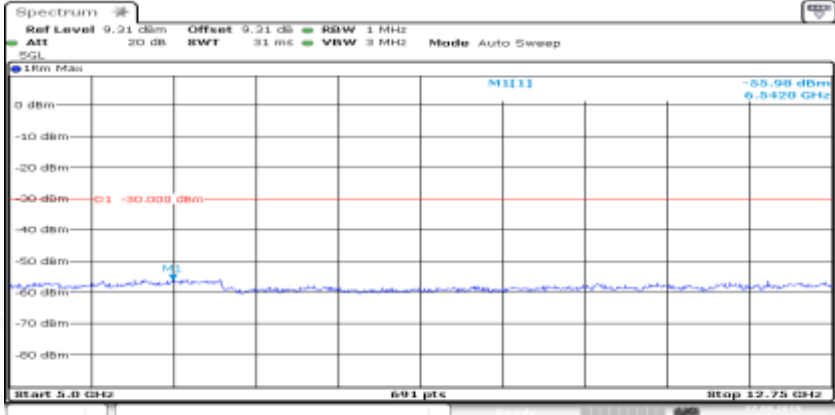
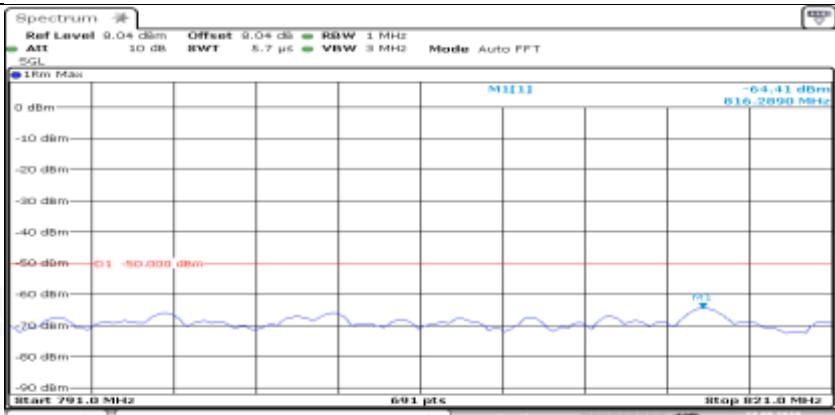
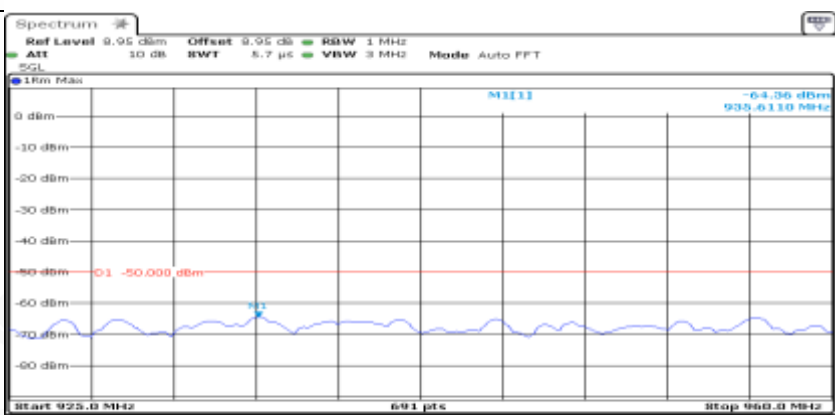



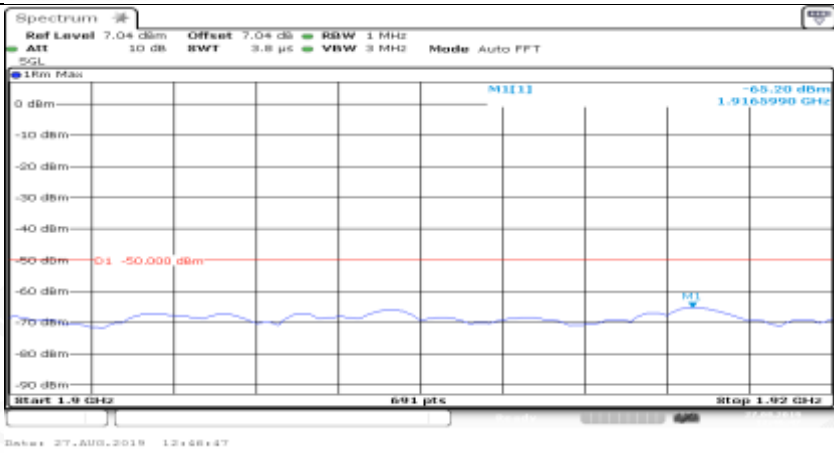
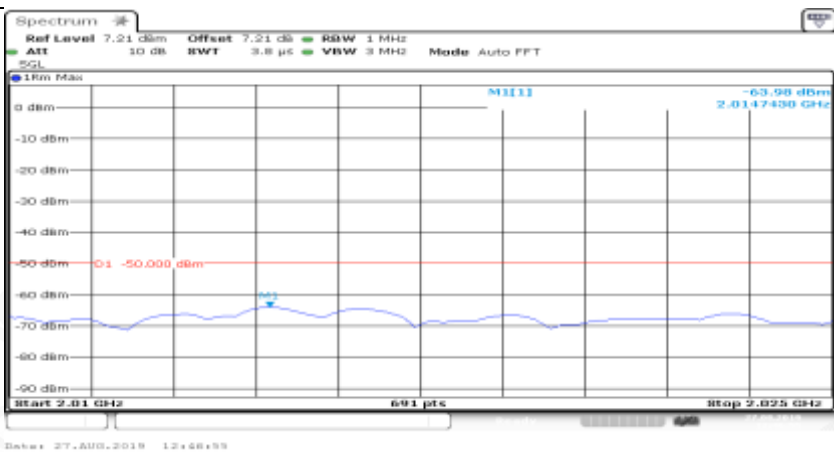
Co-existence	
Additional	NA

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

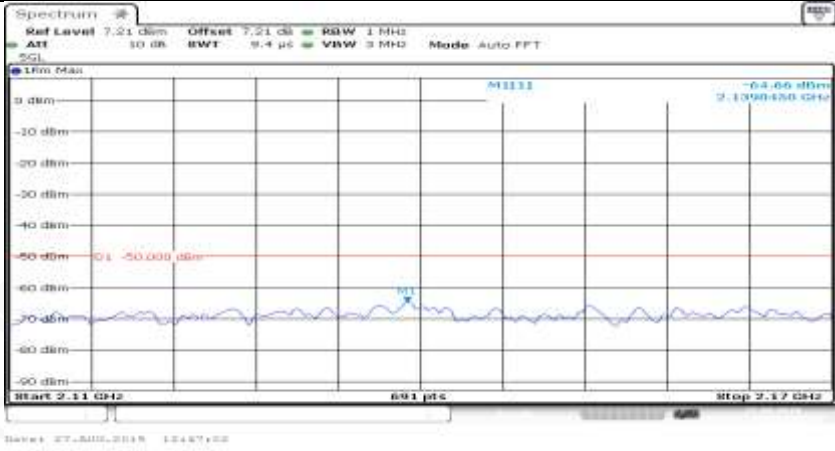
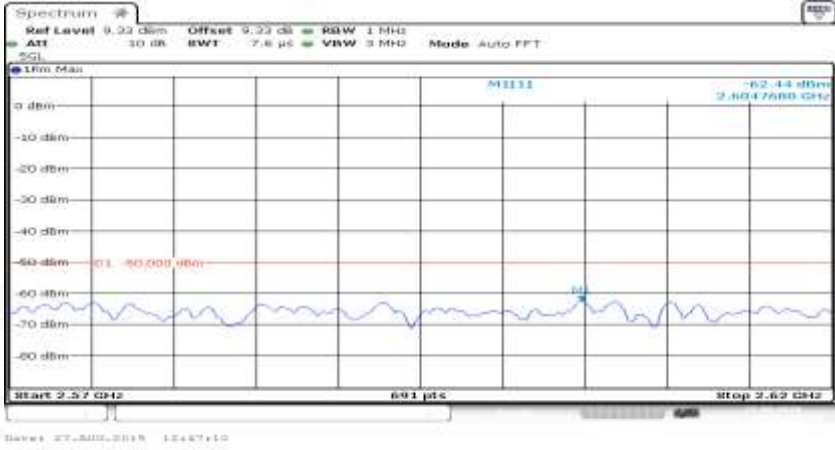
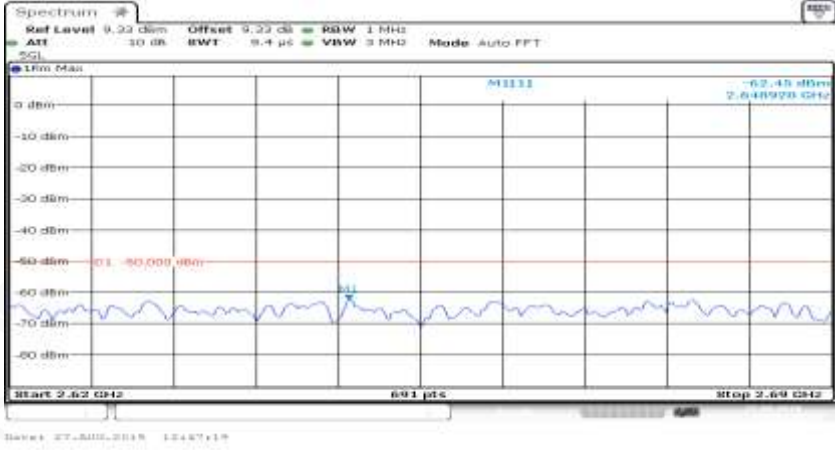
General	
General	
General	

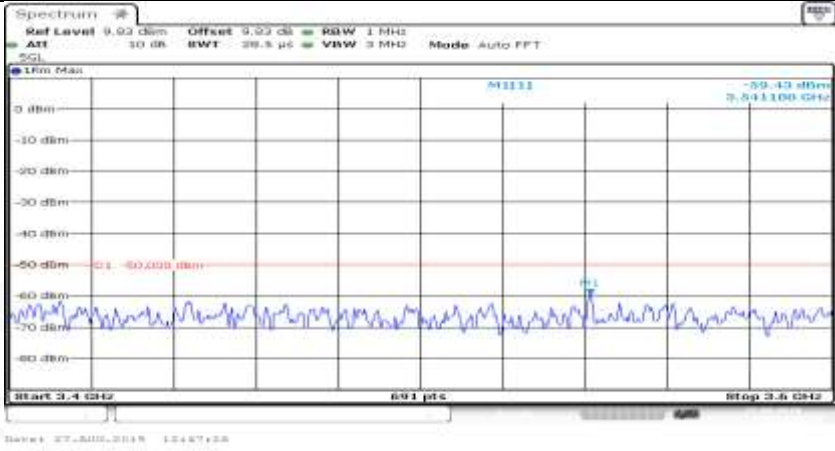



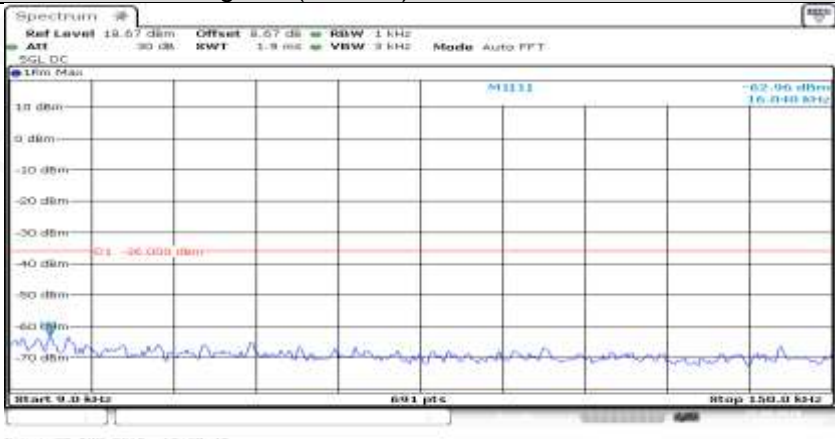
General	
Co-existence	
Co-existence	

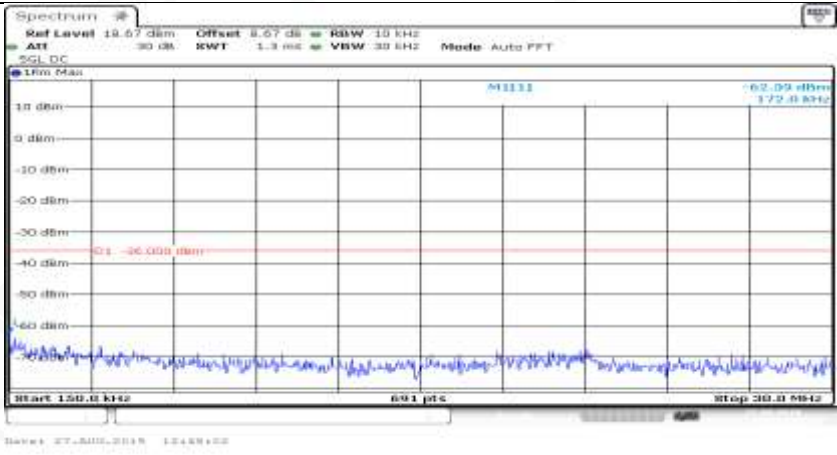
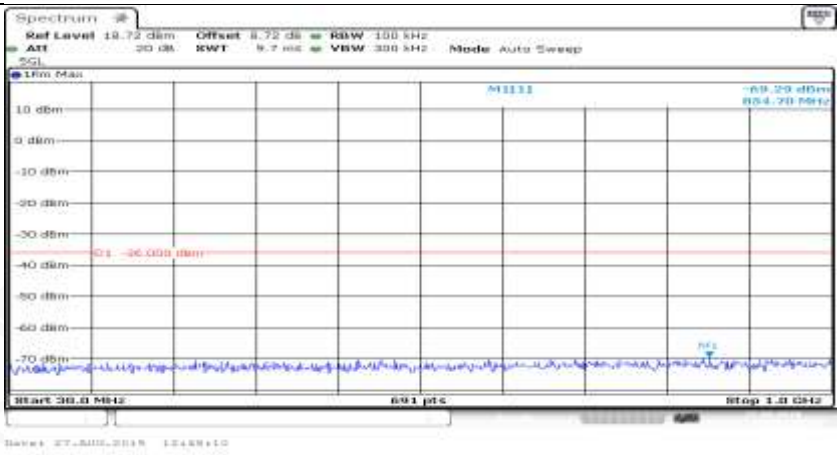
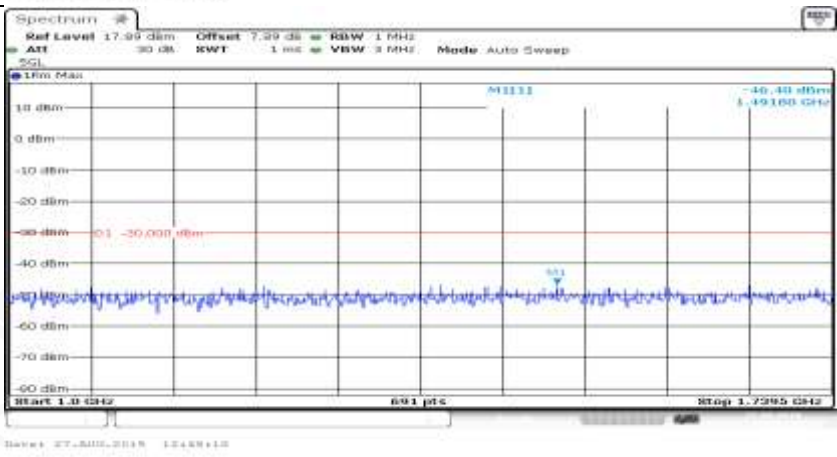
Co-existence	
Co-existence	
Co-existence	

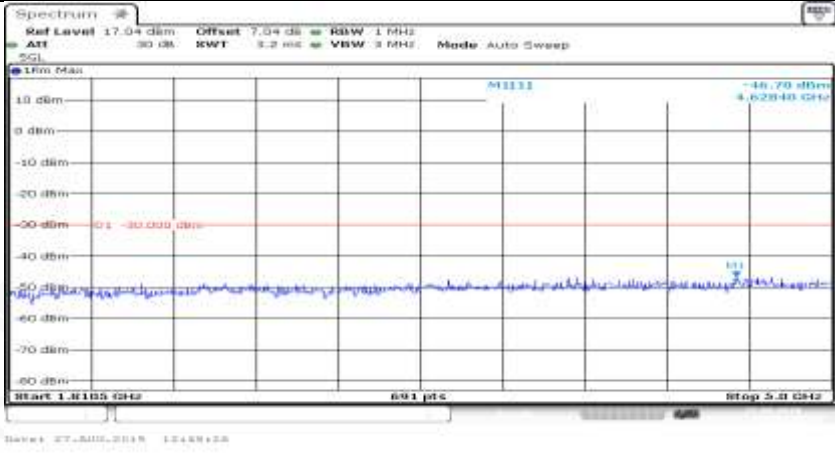
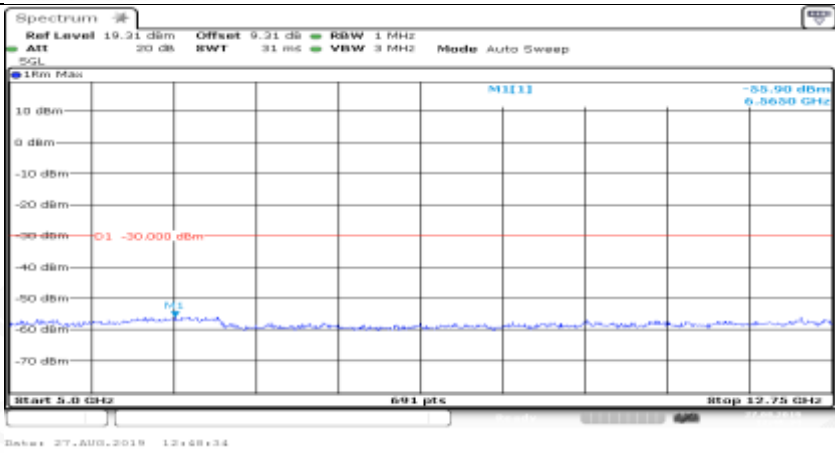
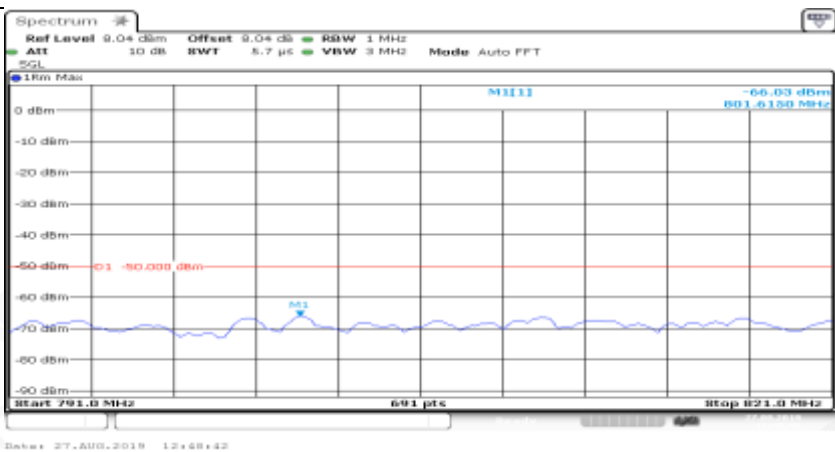


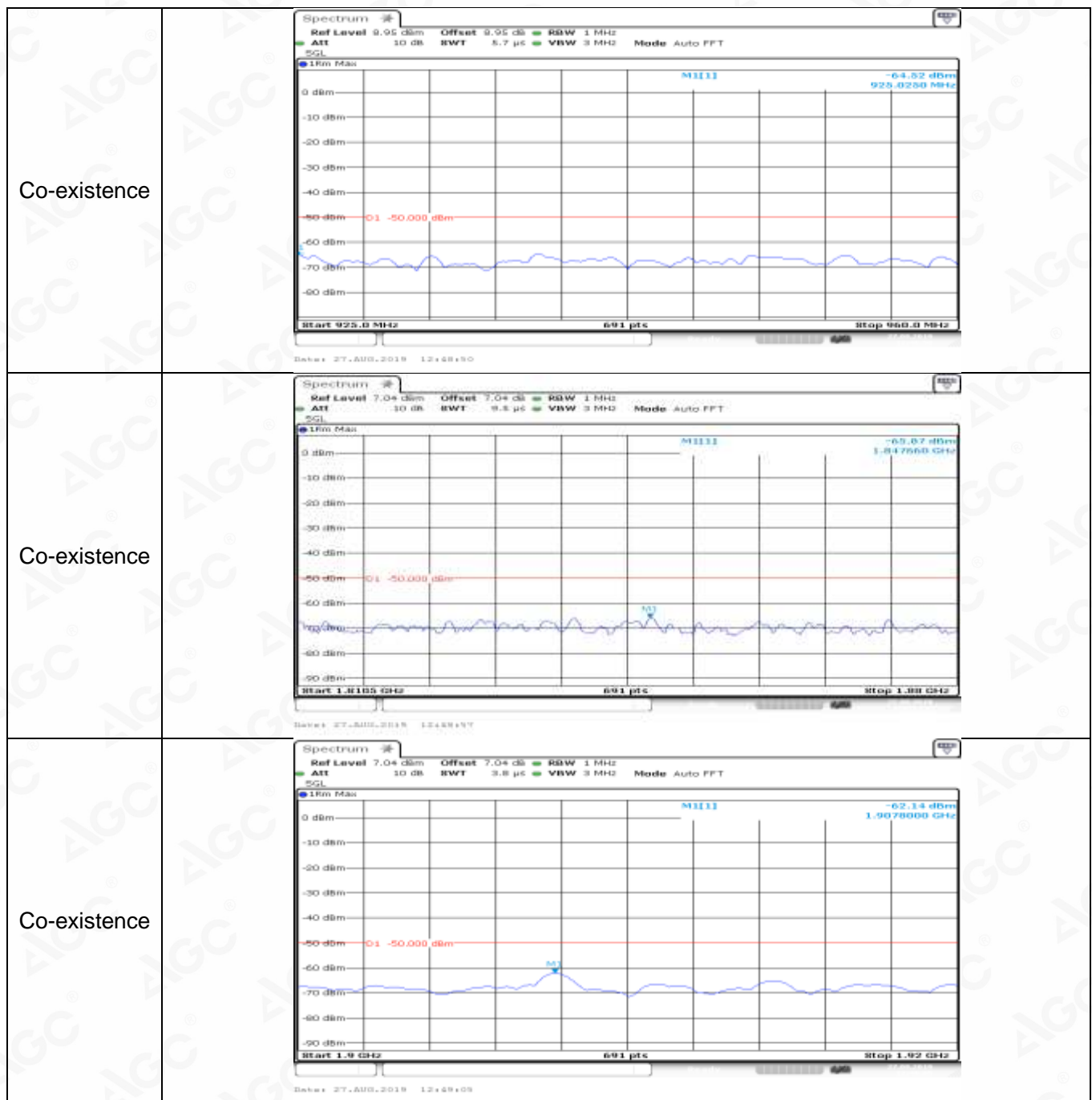
Co-existence	
Co-existence	
Co-existence	

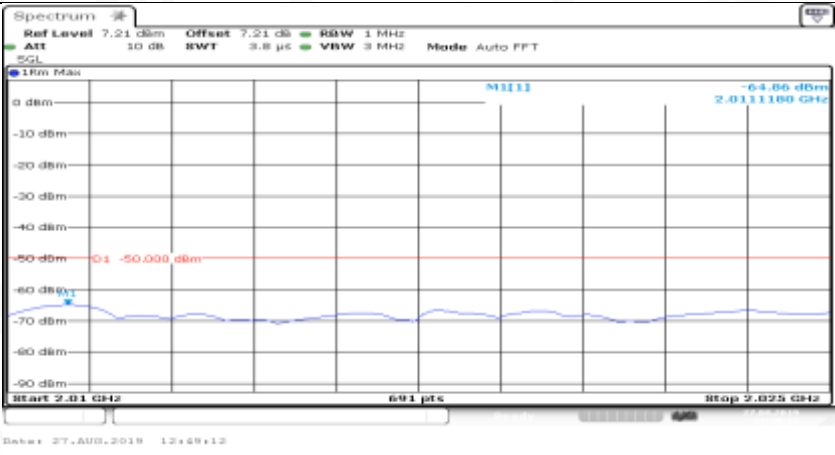

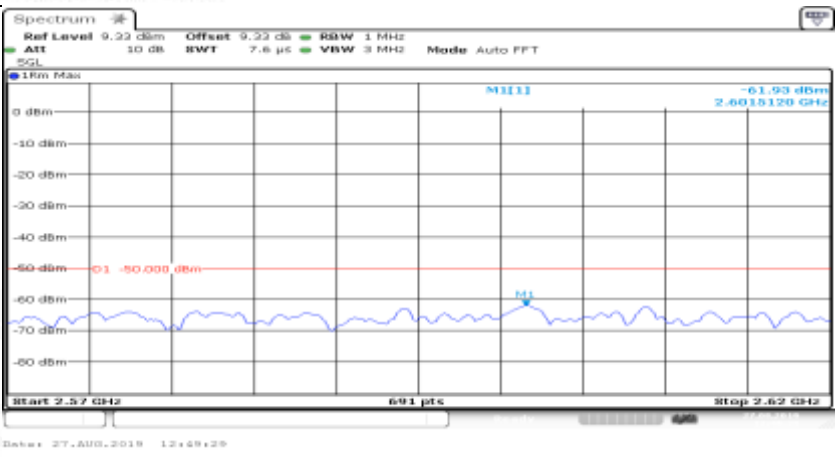
Co-existence	
Co-existence	
Additional	NA

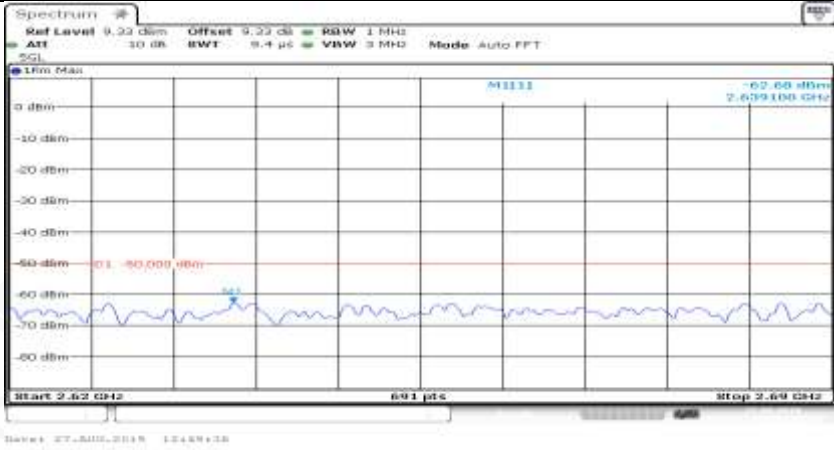
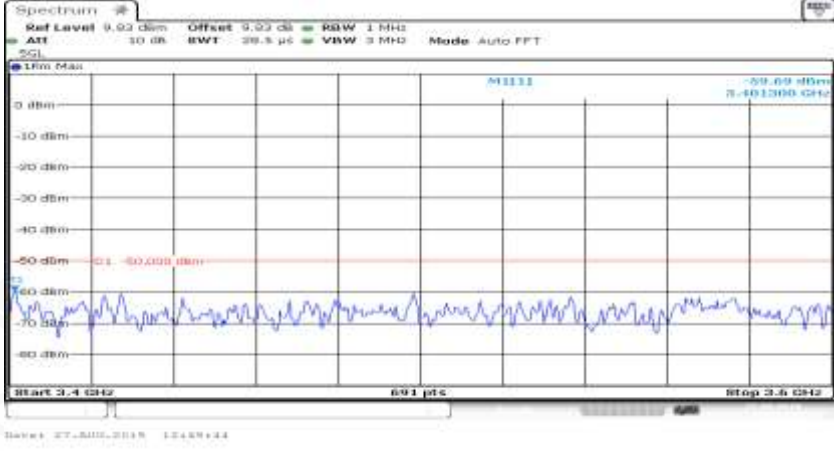
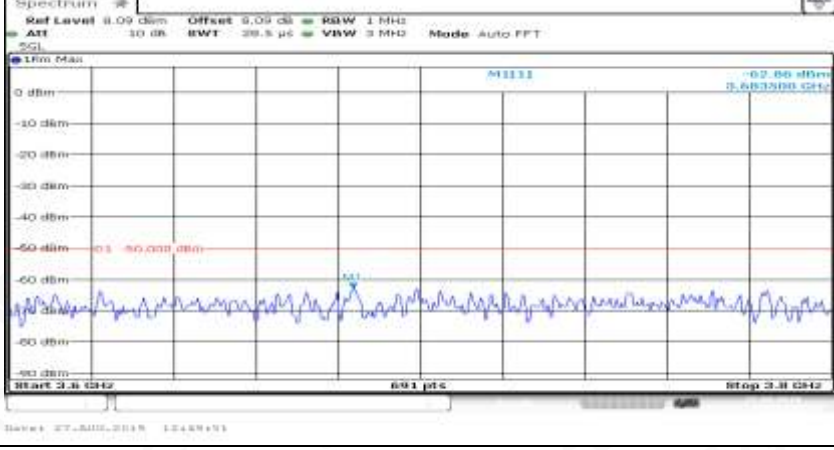
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	

General	
General	
General	

General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA



6. Receiver Spurious Emissions

Test Result

NTNV

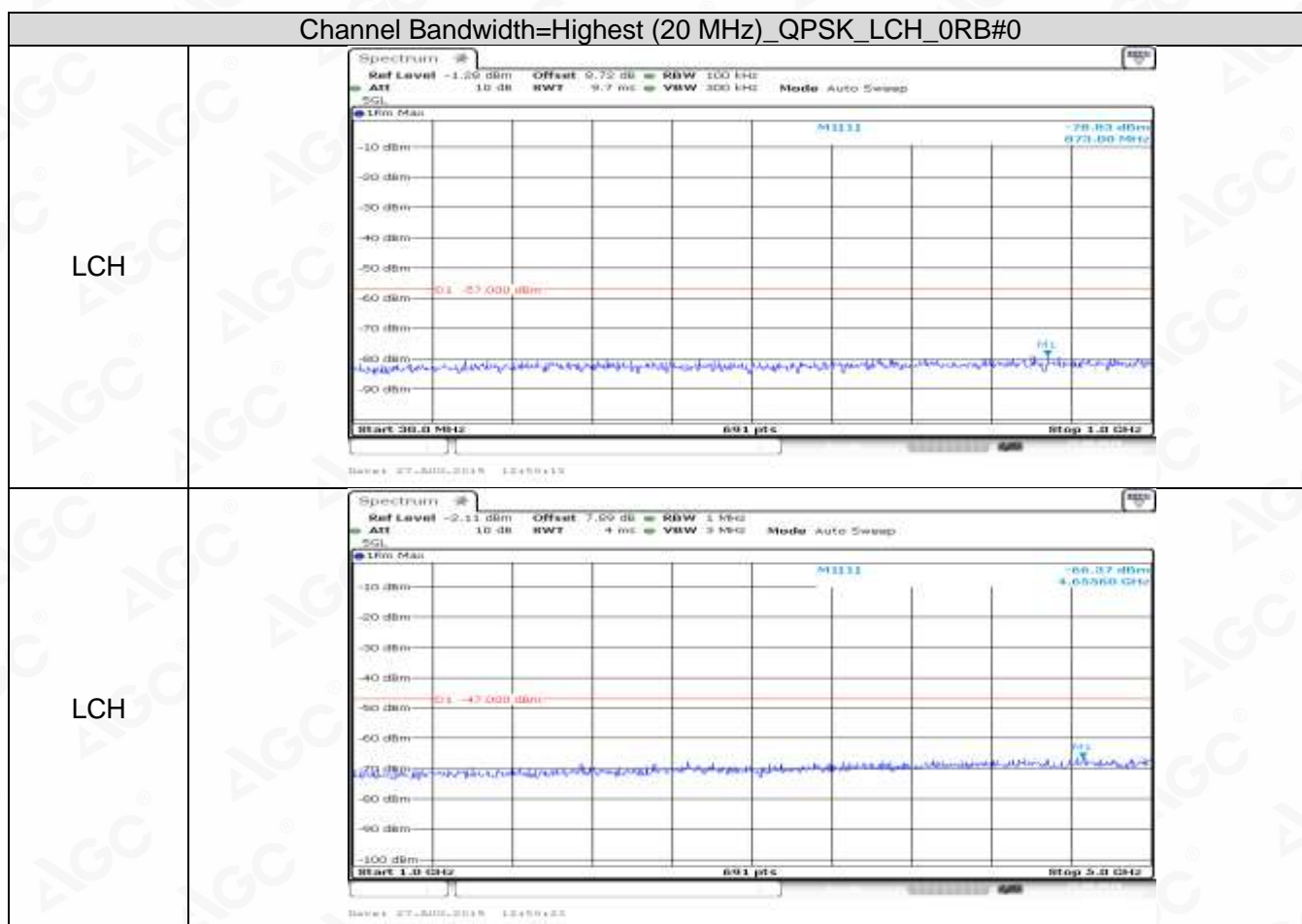
Channel Bandwidth=Highest

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

Test Graphs

NTNV

Channel Bandwidth=Highest



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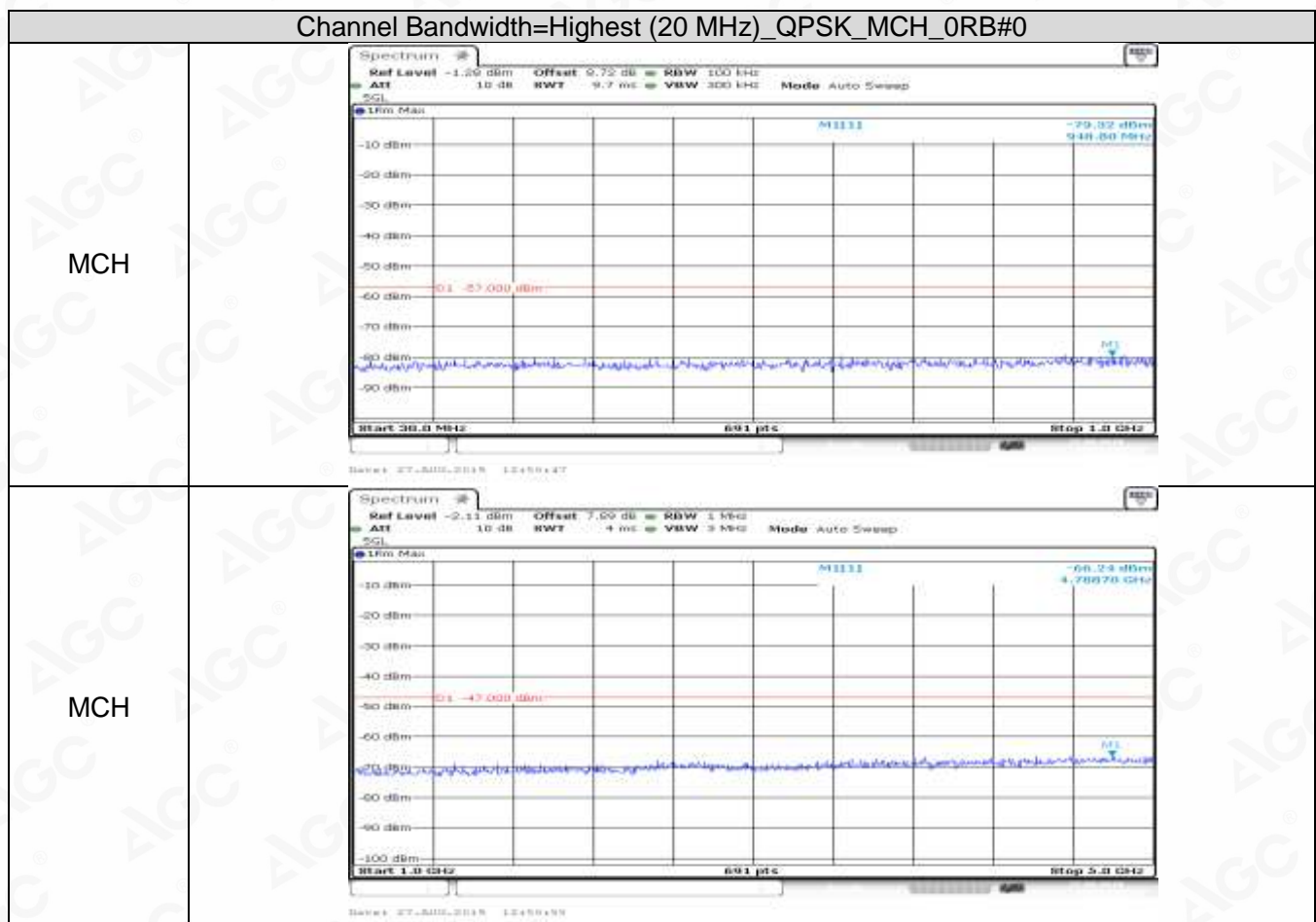
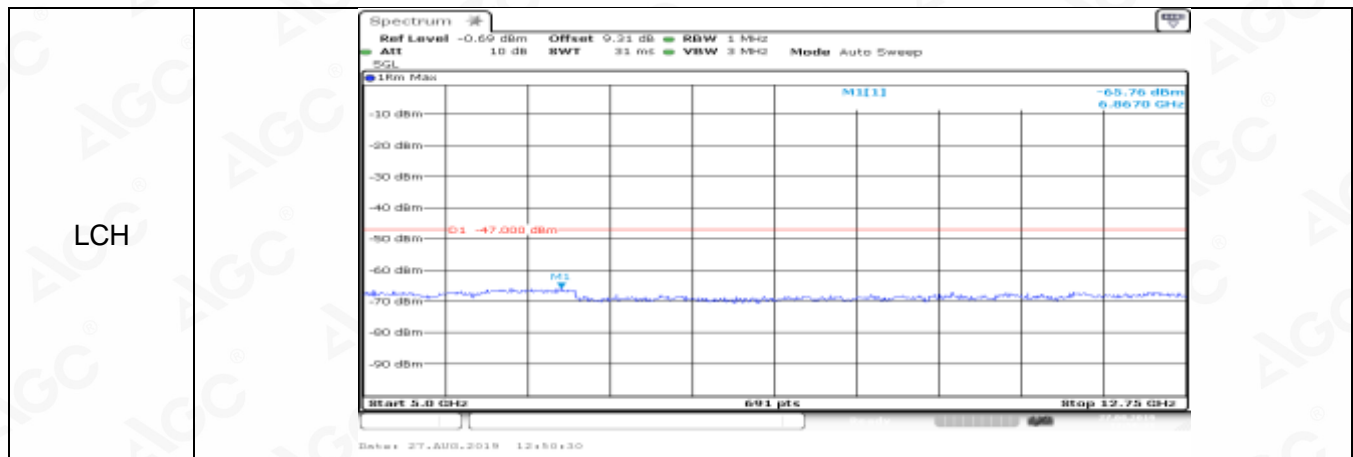
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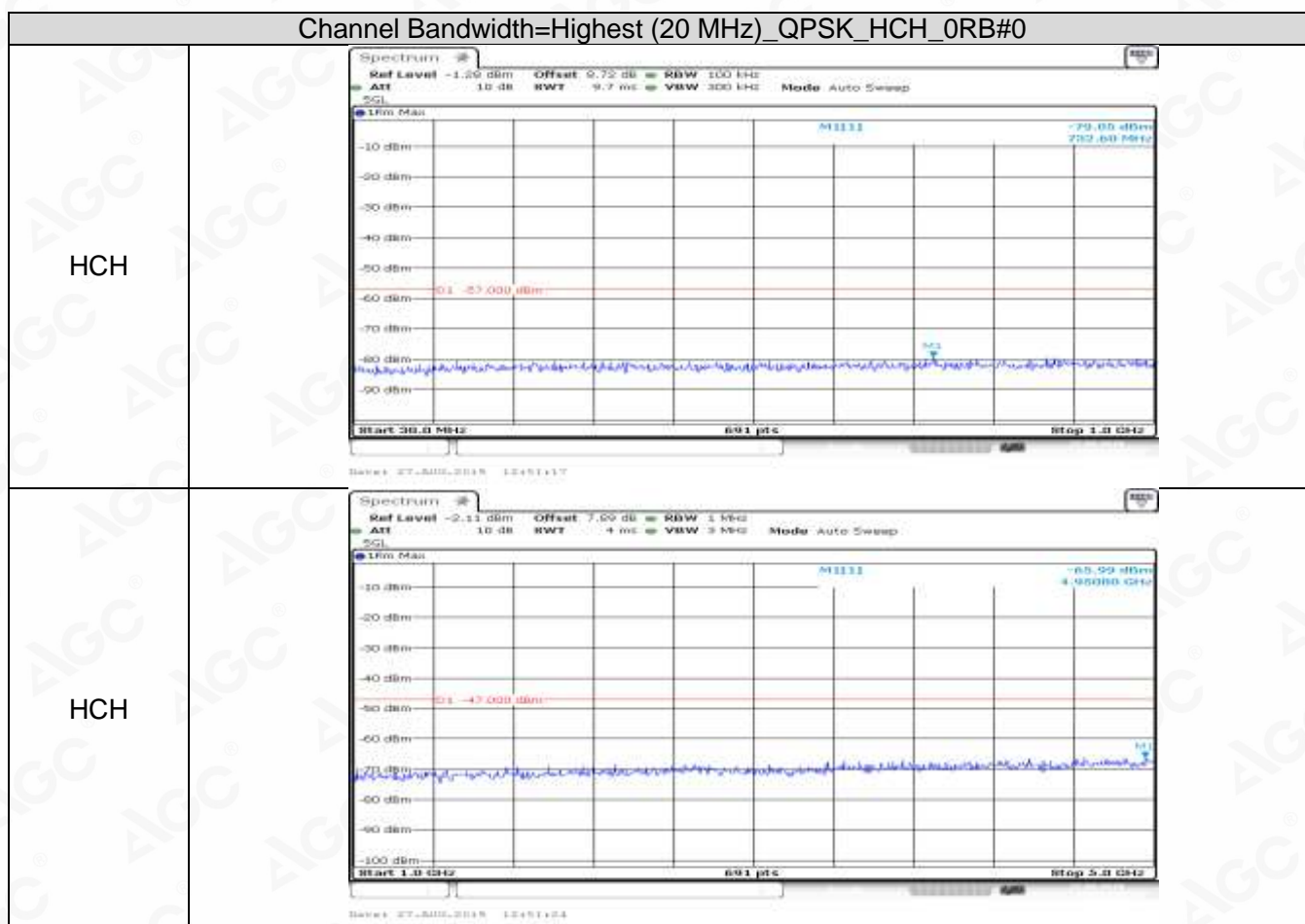
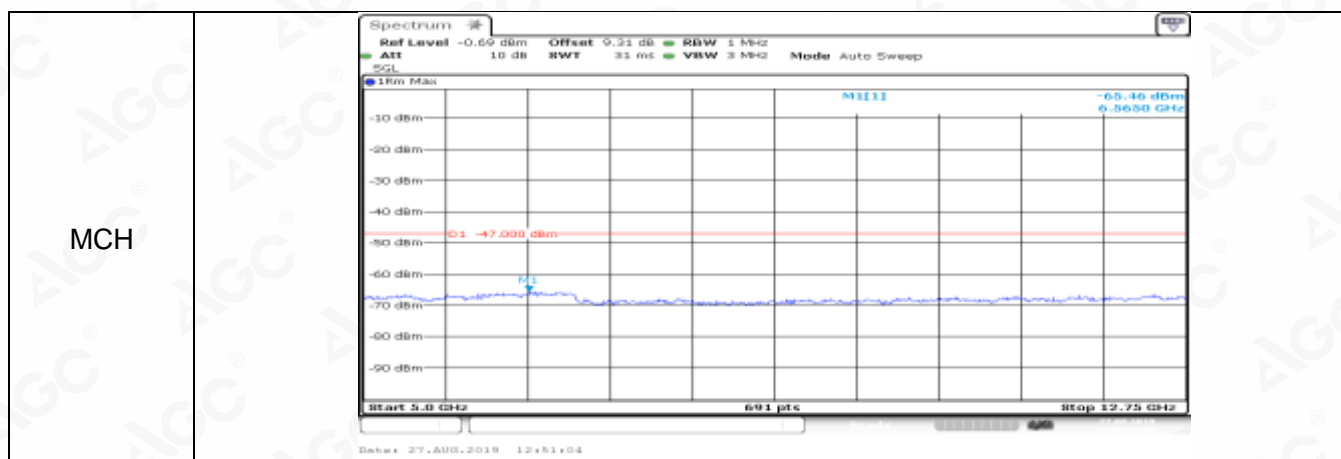
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

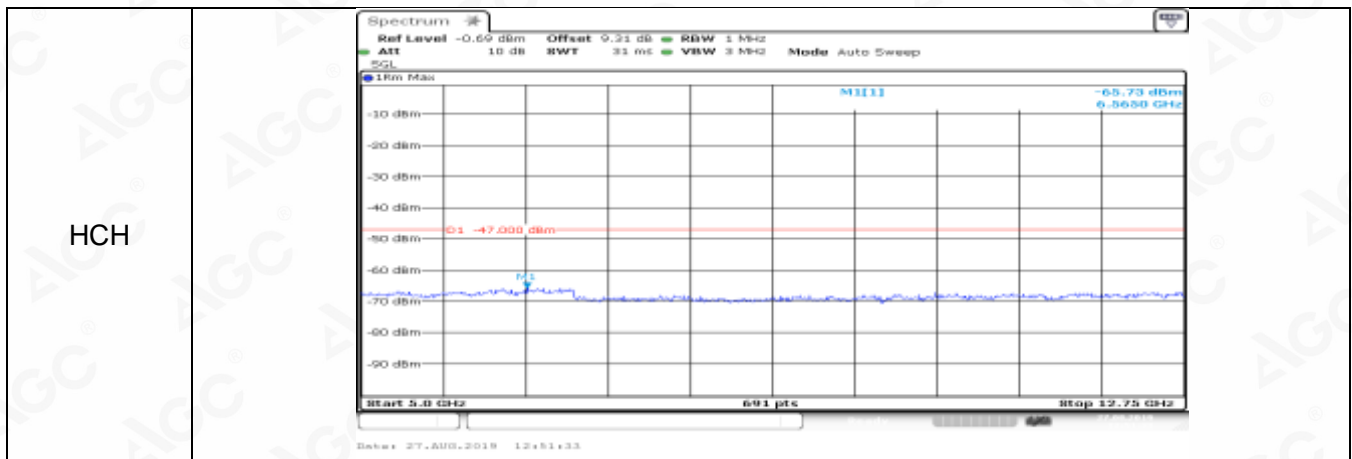
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118







7. Receiver Adjacent Channel Selectivity (ACS)

Test Results

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

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



8. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

Out-of Band Blocking

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

20MHz	QPSK	Full	QPSK	50	$\geq 95 \%$
Verdict	Pass				

Narrow Band

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



9. Receiver Spurious Response

Test Results

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

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



10. Receiver Intermodulation Characteristics

Test Results

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

Test Band			Band 3			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration				Downlink Configuration	
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n	Ch BW
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz
5MHz	QPSK	5MHz	QPSK	5MHz	QPSK	10MHz
20MHz	QPSK	20MHz	QPSK	20MHz	QPSK	20MHz
Verdict	Pass					



11. Receiver Reference Sensitivity Level

Test Results

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

NTNV

	Test Band			Band 3			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVN	1.4MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	5MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	50	Pass	≥ 95 %
	Verdict	Pass					



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12. Radiated spurious emissions - MS in idle mode

Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-73.47	-73.39	-73.51
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-75.11	-75.09	-75.15
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-69.44	-69.36	-69.47



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Appendix C for Band 7

1. Transmitter Maximum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	22.65	Pass
					max	22.62	Pass
				Partial	0	22.61	Pass
					max	22.61	Pass
			Mid range	1	0	22.72	Pass
					max	22.72	Pass
				Partial	0	22.67	Pass
					max	22.72	Pass
			High range	1	0	22.82	Pass
					max	22.78	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	22.65	Pass
					max	22.70	Pass
				Partial	0	22.51	Pass
					max	22.56	Pass
			Mid range	1	0	22.61	Pass
					max	22.68	Pass
				Partial	0	22.58	Pass
					max	22.62	Pass
			High range	1	0	22.57	Pass
					max	22.70	Pass
				Partial	0	22.67	Pass
					max	22.75	Pass



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2. Transmitter Minimum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-49.39	Pass
			Mid range	Full	0	-50.76	Pass
			High range	Full	0	-50.44	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-50.03	Pass
			Mid range	Full	0	-50.21	Pass
			High range	Full	0	-50.16	Pass



3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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



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

Channel Bandwidth=Highest (20 MHz)

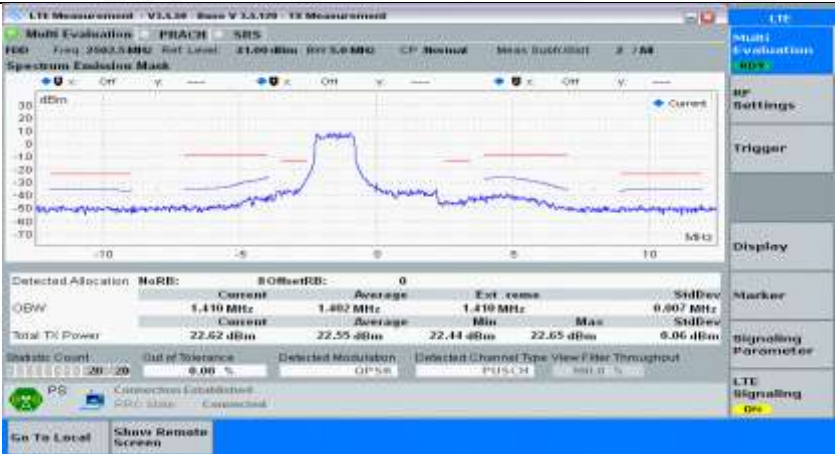
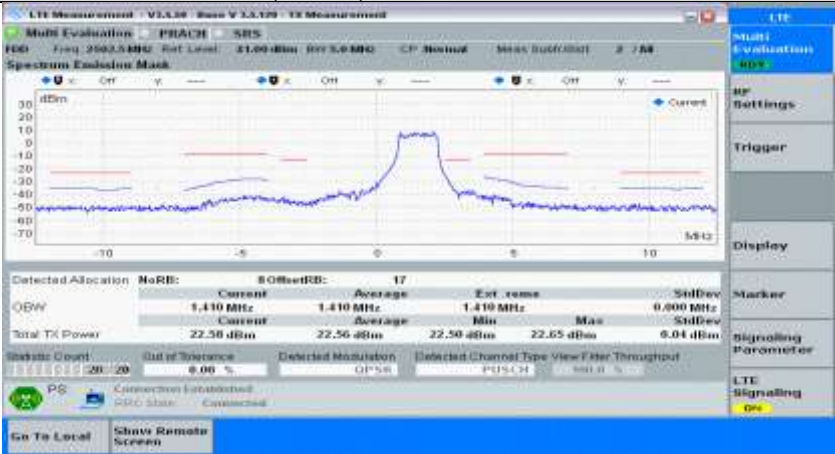
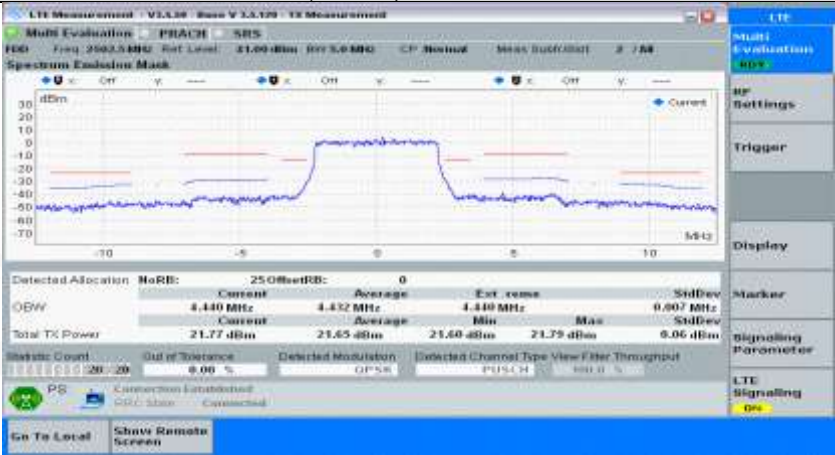
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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

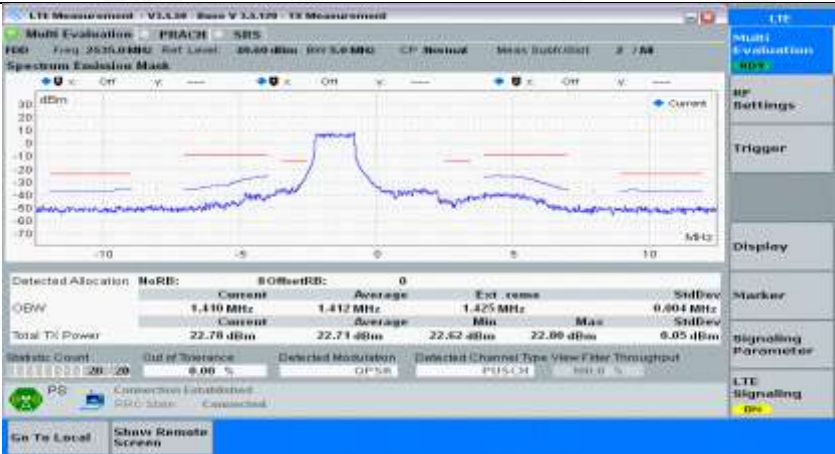
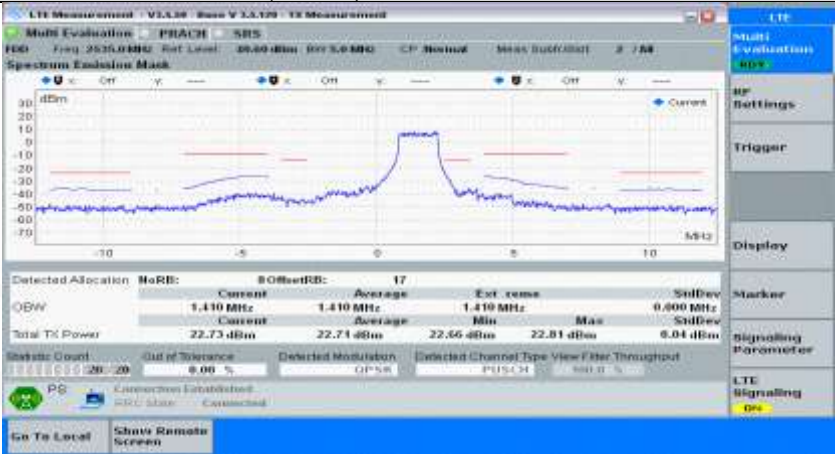

Test Graphs

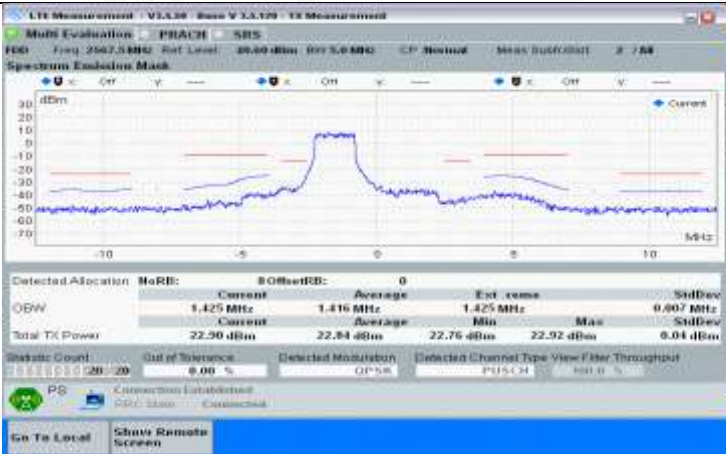
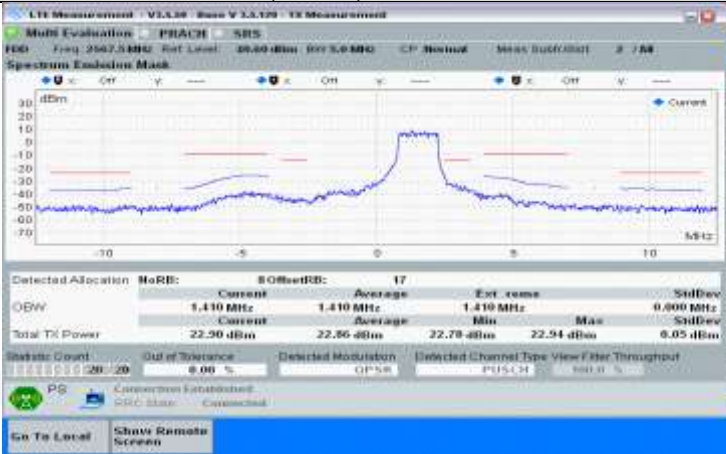
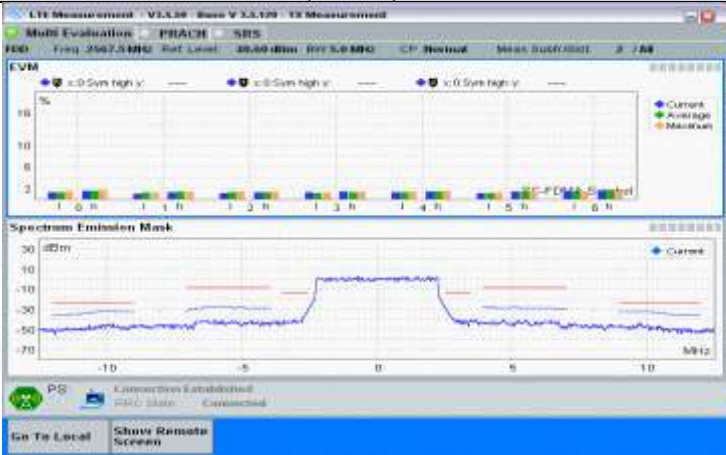
NTNV



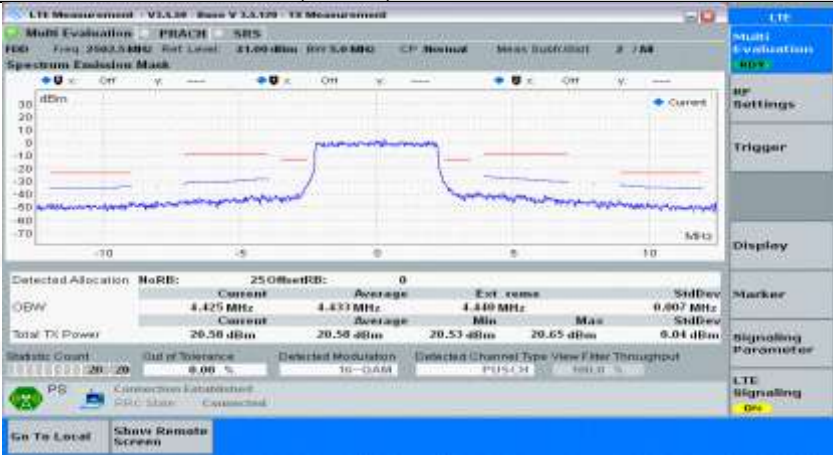
Channel Bandwidth=Lowest (5 MHz)

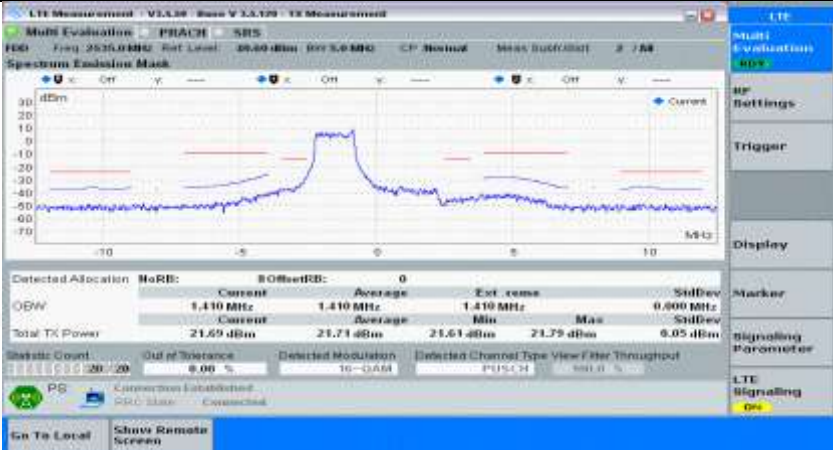
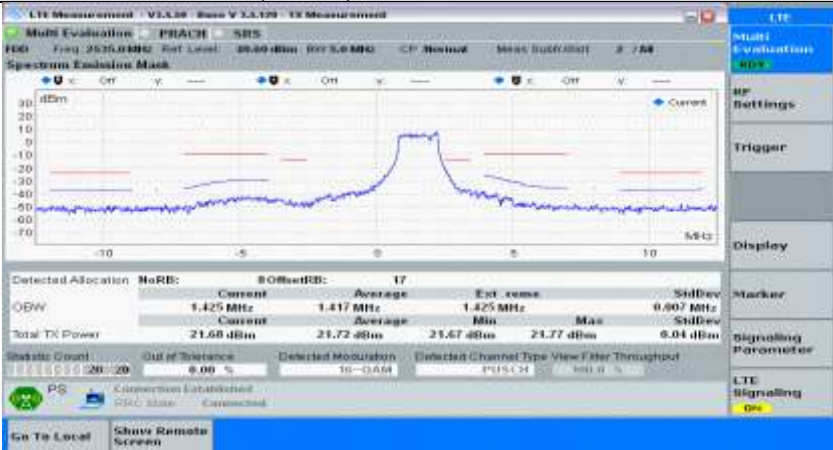

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

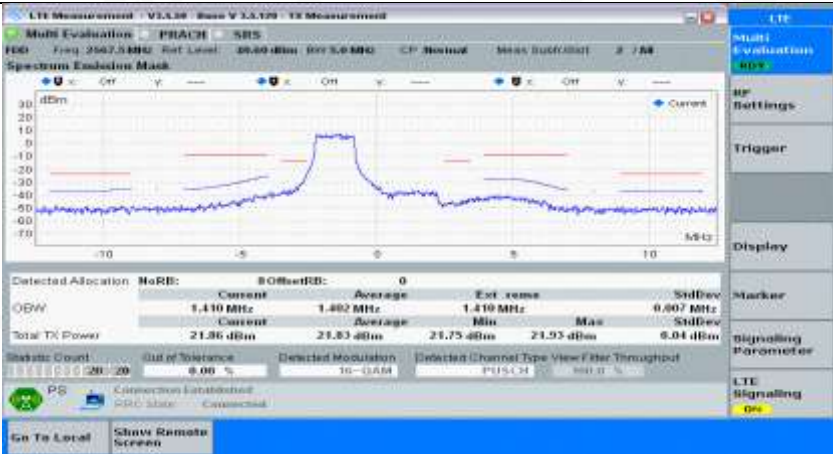
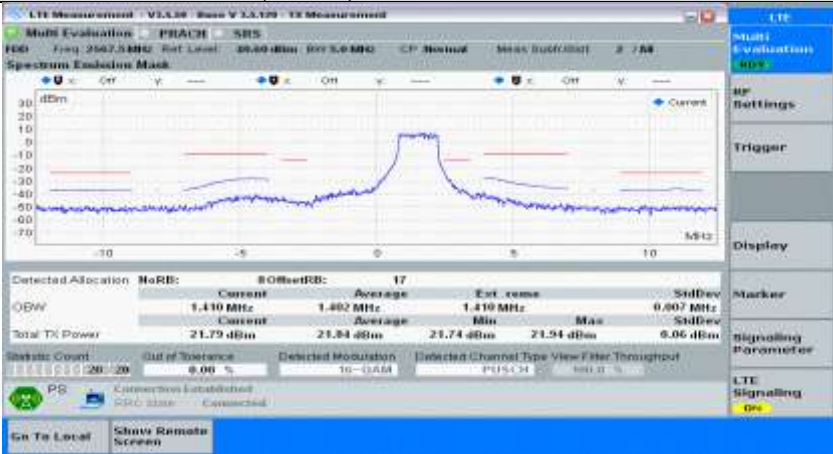
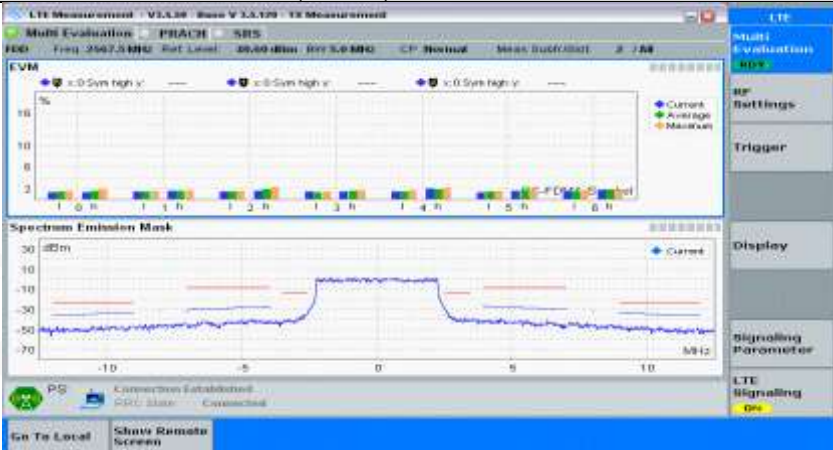
QPSK	
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QPSK	
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	

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

QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0		

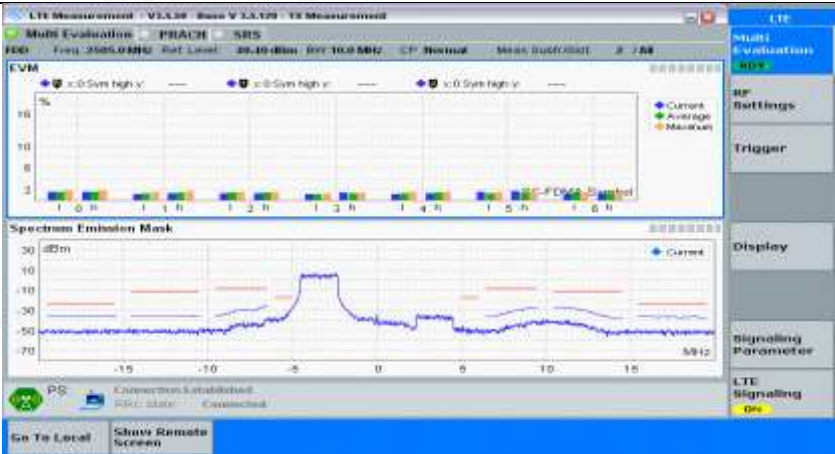
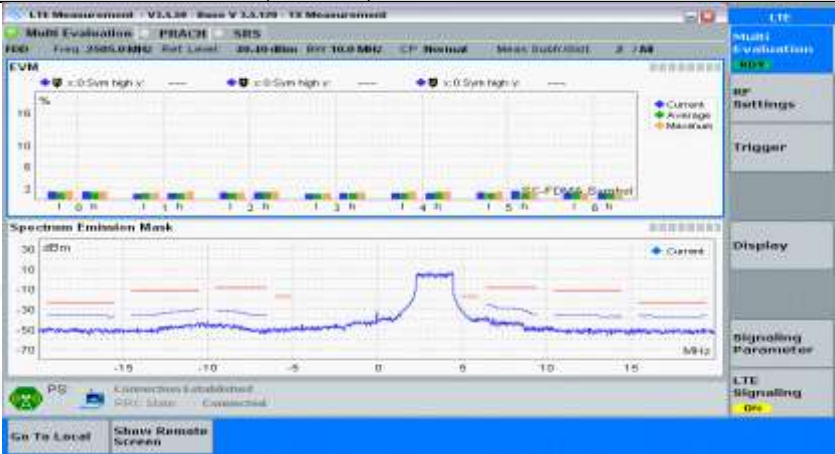
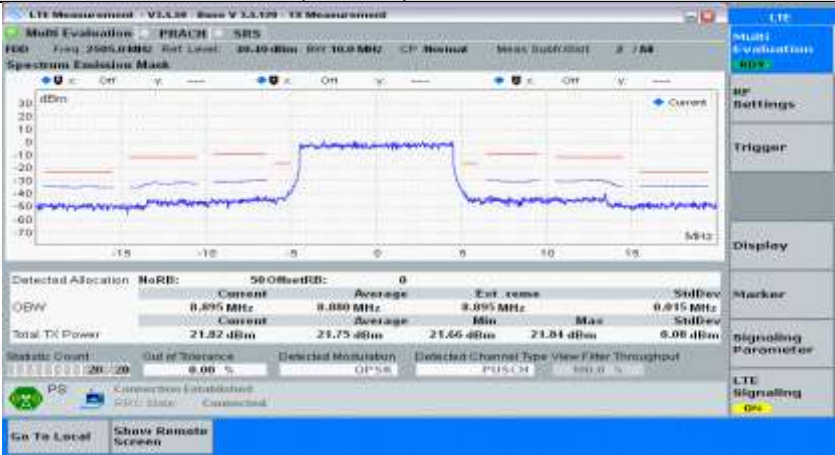
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

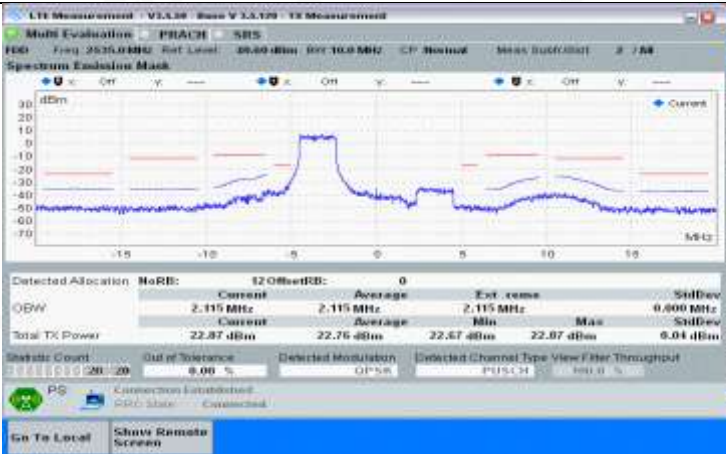
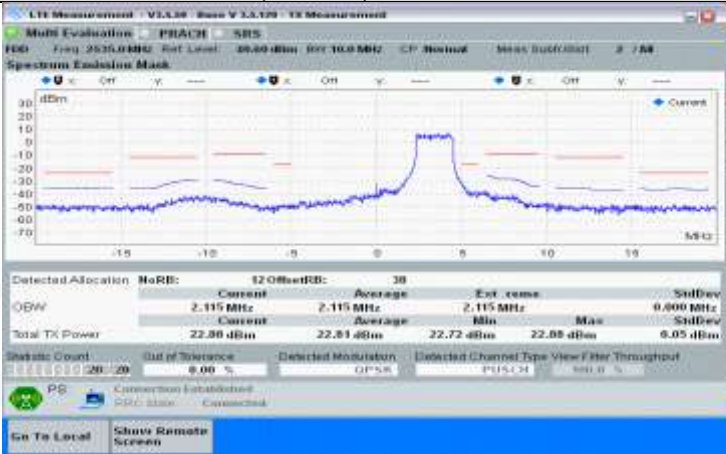
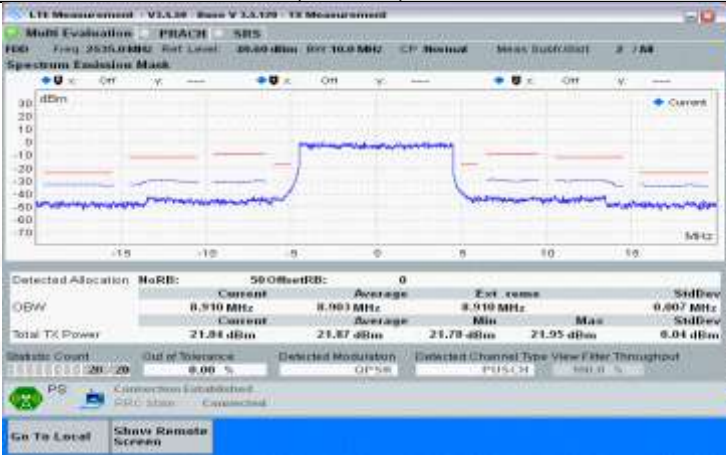
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Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

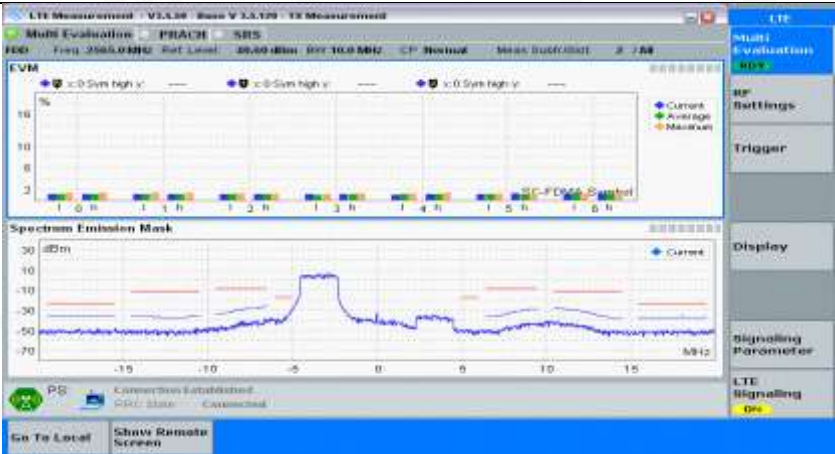
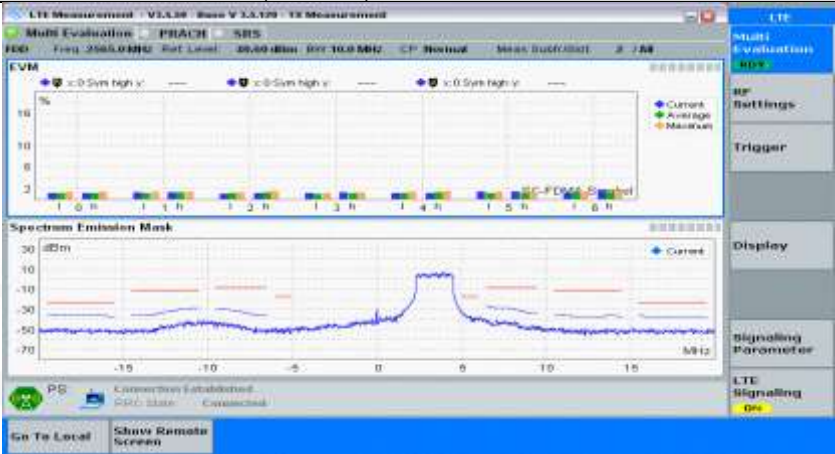
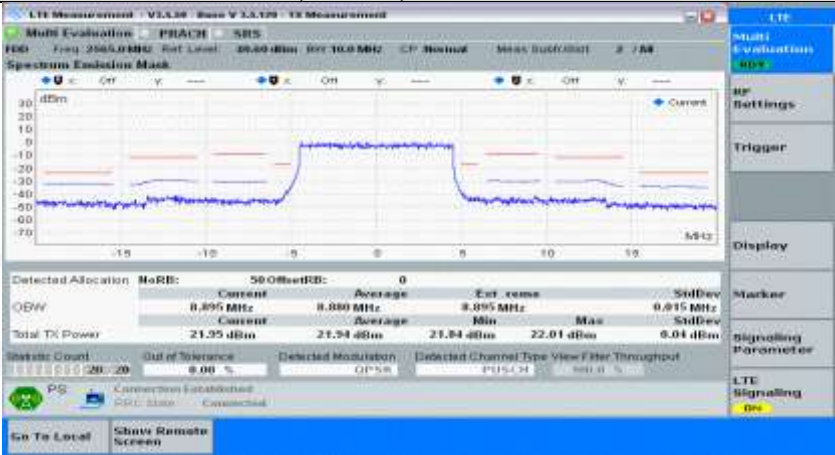
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

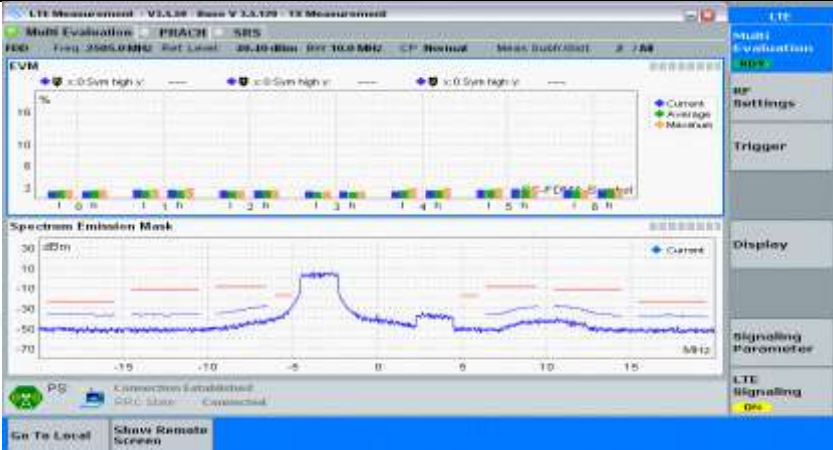
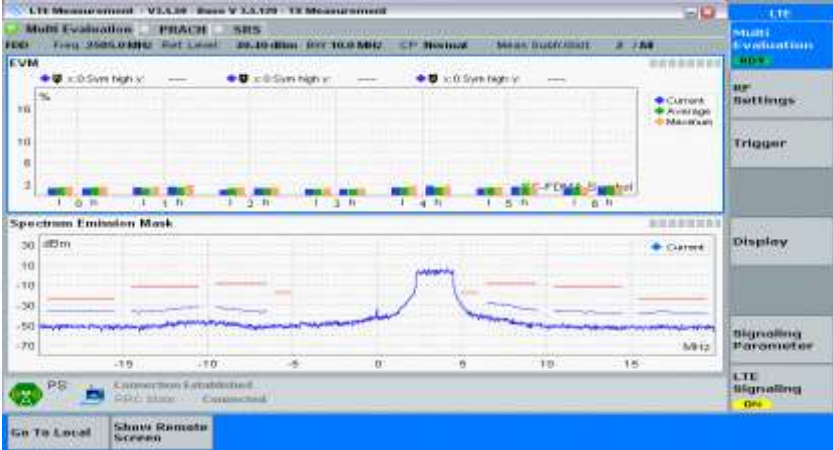
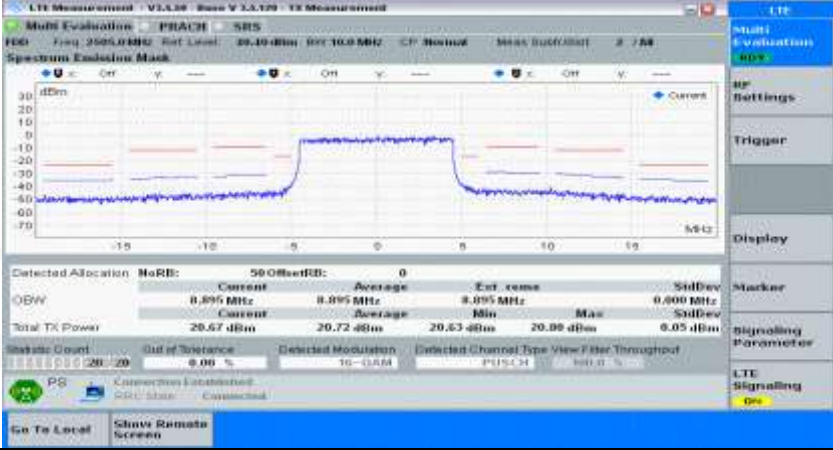
Channel Bandwidth= (10 MHz)

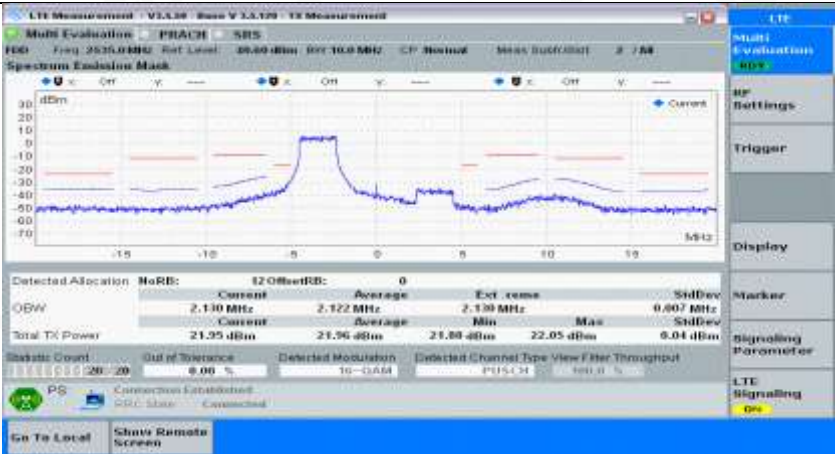
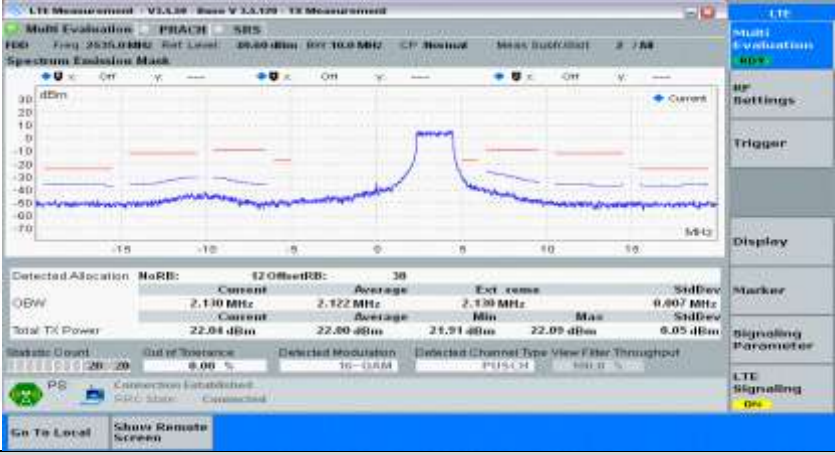
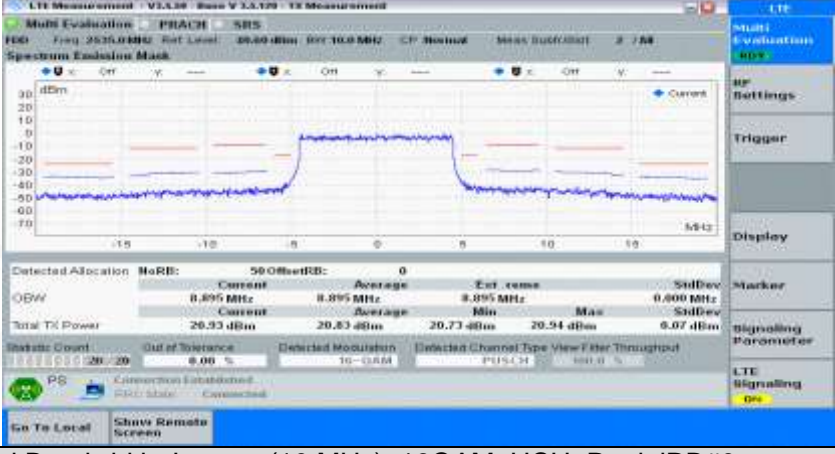
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

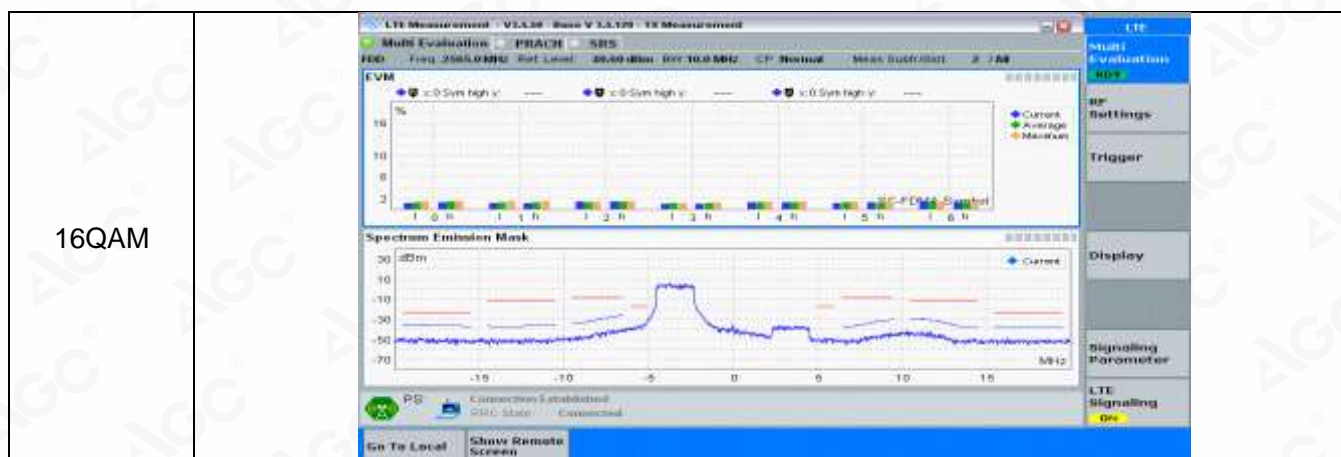
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	

QPSK		<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0		
QPSK		<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0		

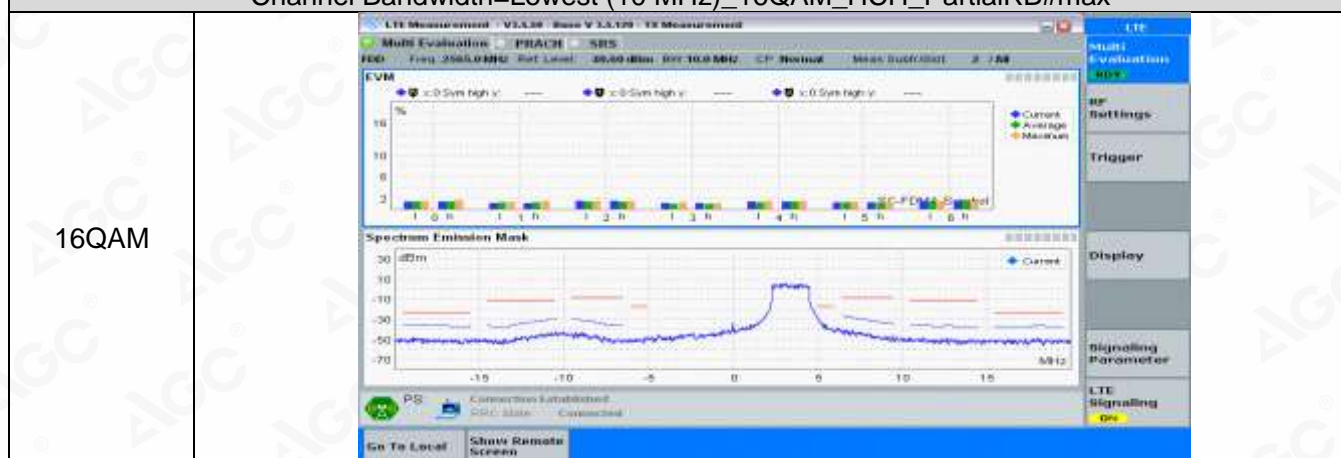
QPSK		
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0		
QPSK		
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0		

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

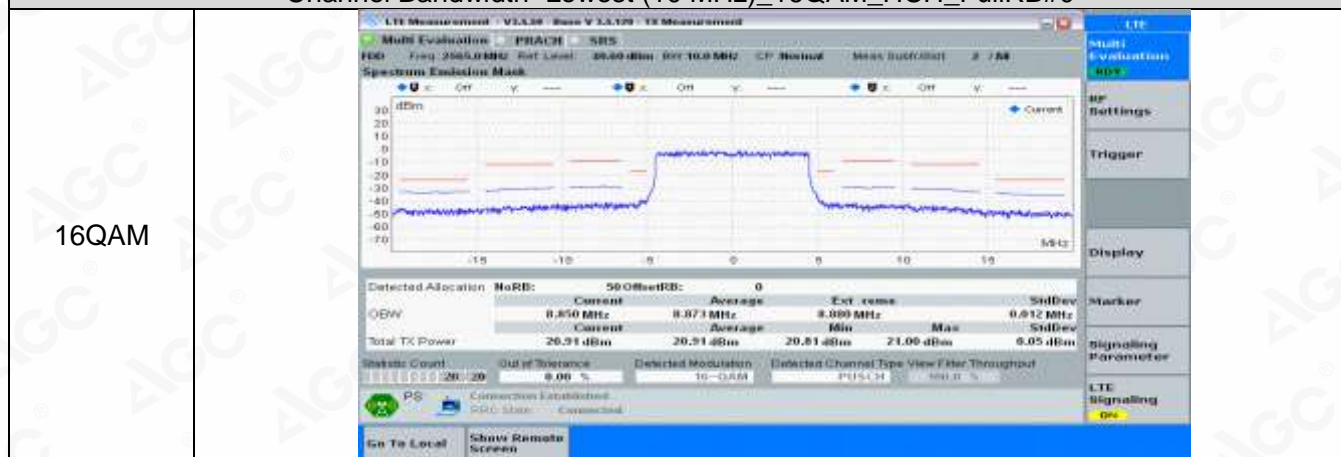
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max

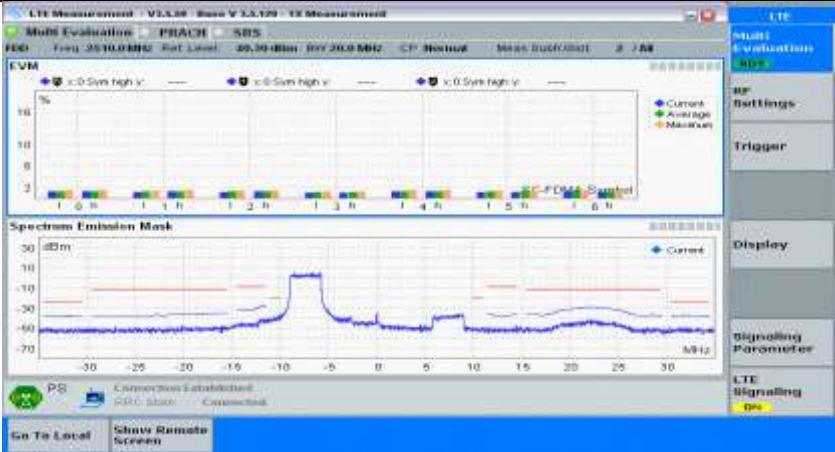
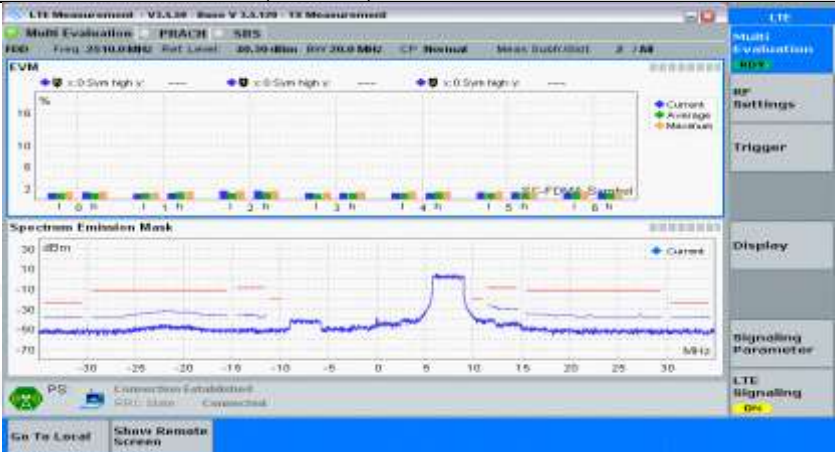



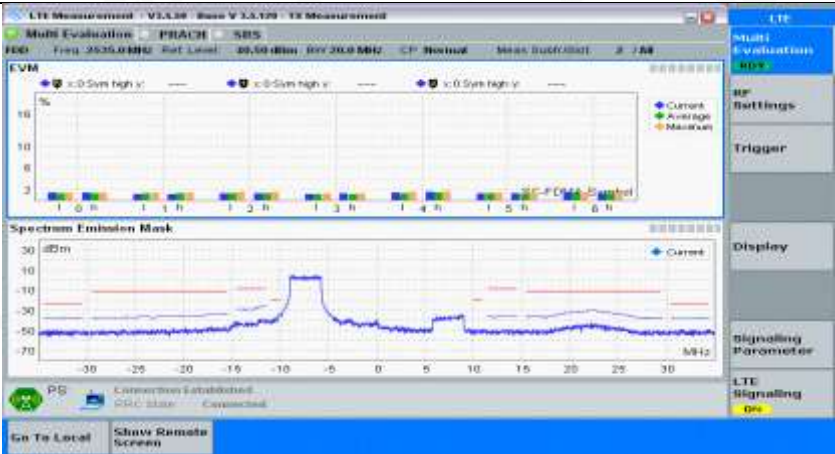
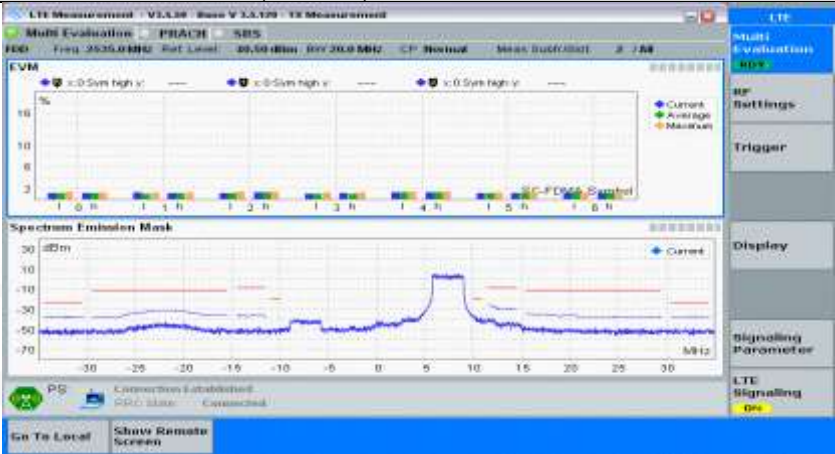

Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0

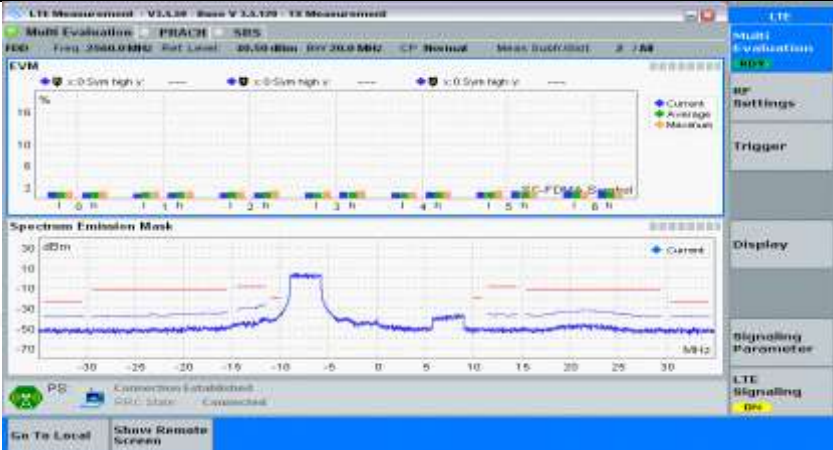
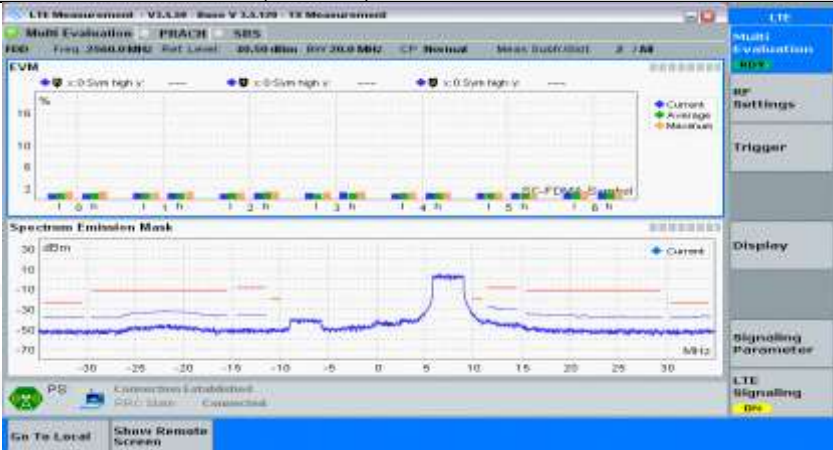



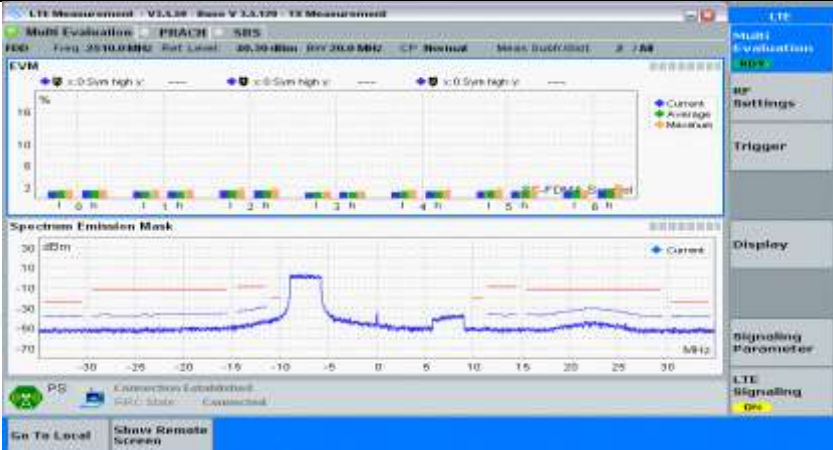
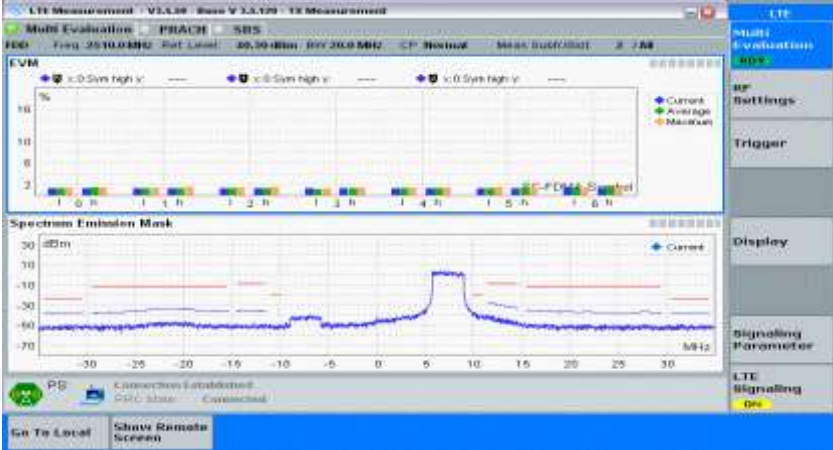
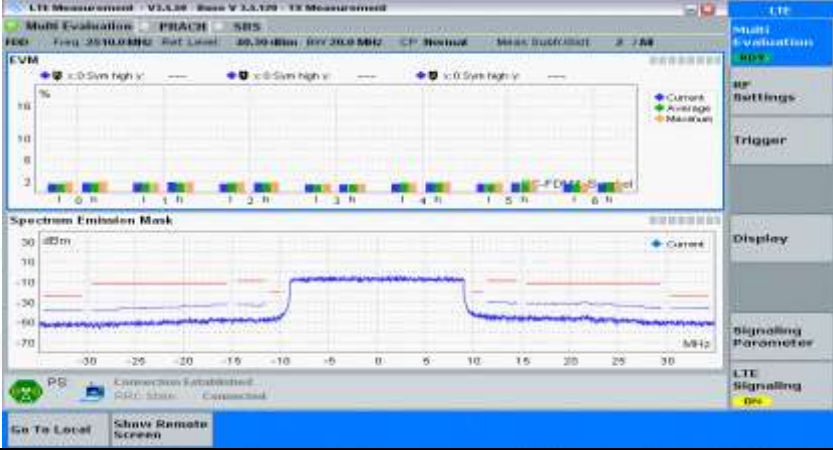
Channel Bandwidth=Highest (20 MHz)

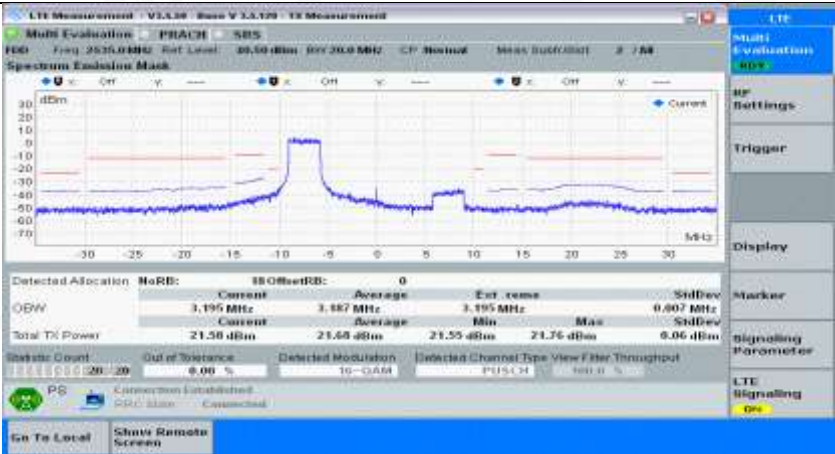
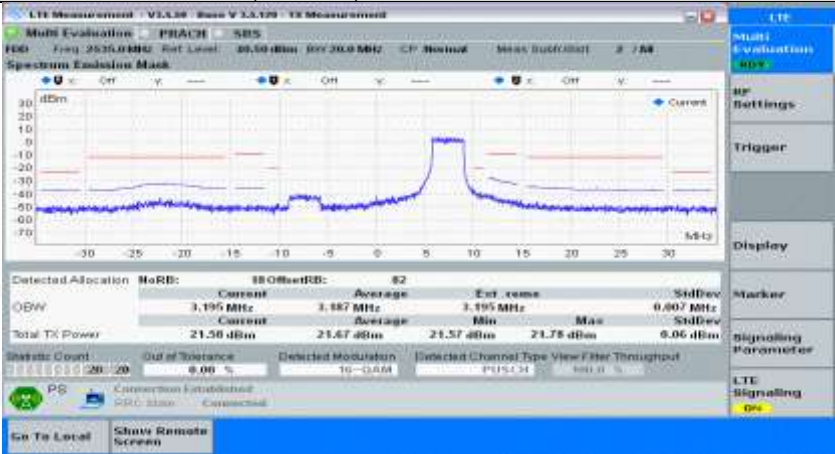
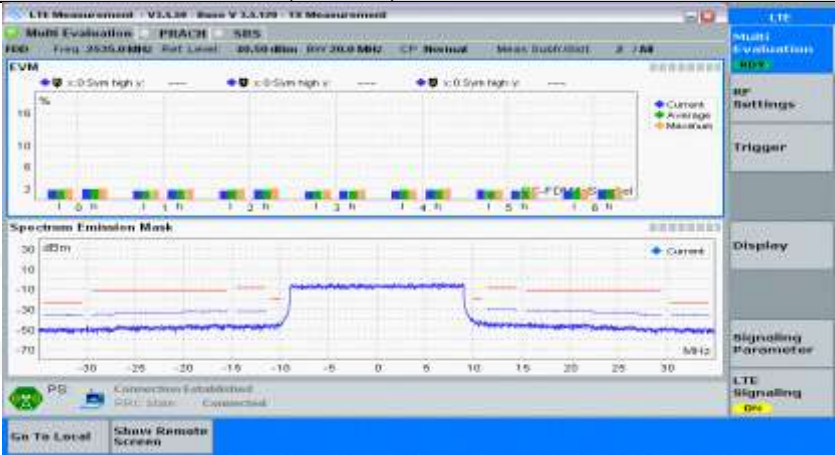
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0

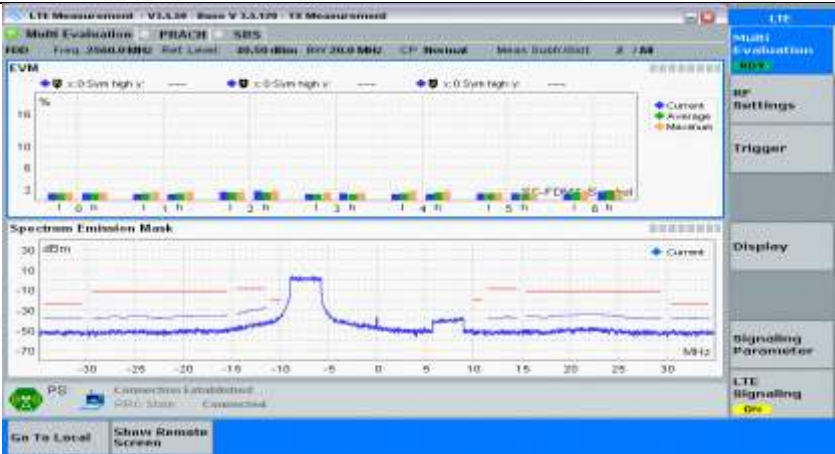
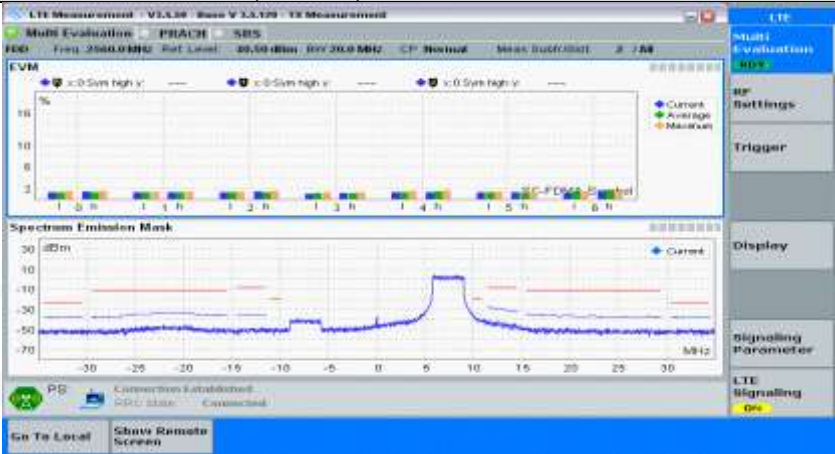
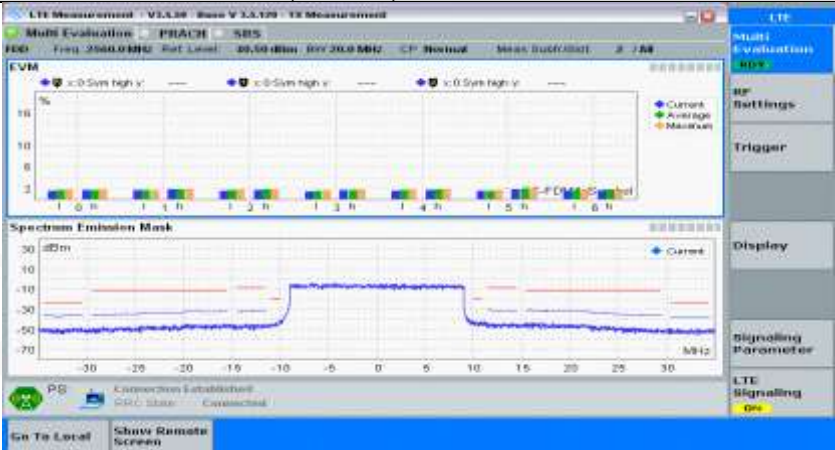
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	

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

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

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

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

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

4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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



Attestation of Global Compliance

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E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

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

Channel Bandwidth=Highest (20 MHz)

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

Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

QPSK



Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max

QPSK



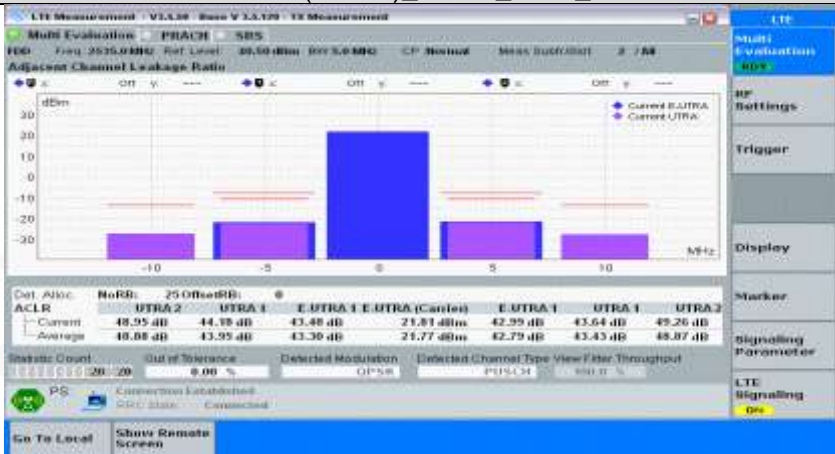




Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0




QPSK

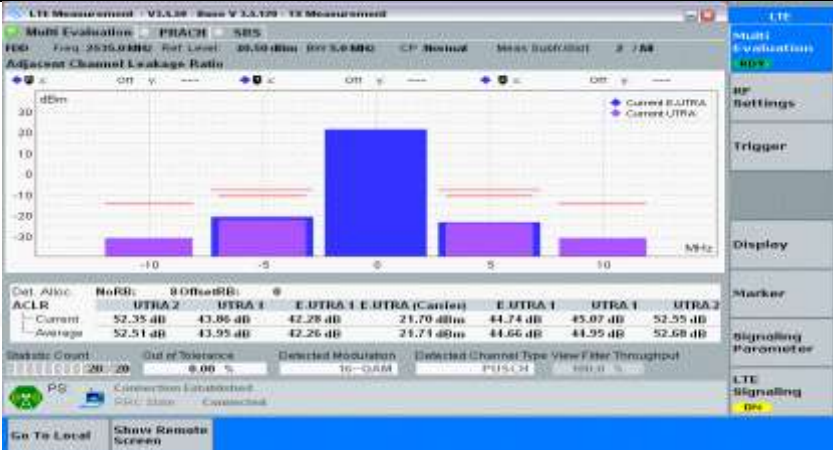
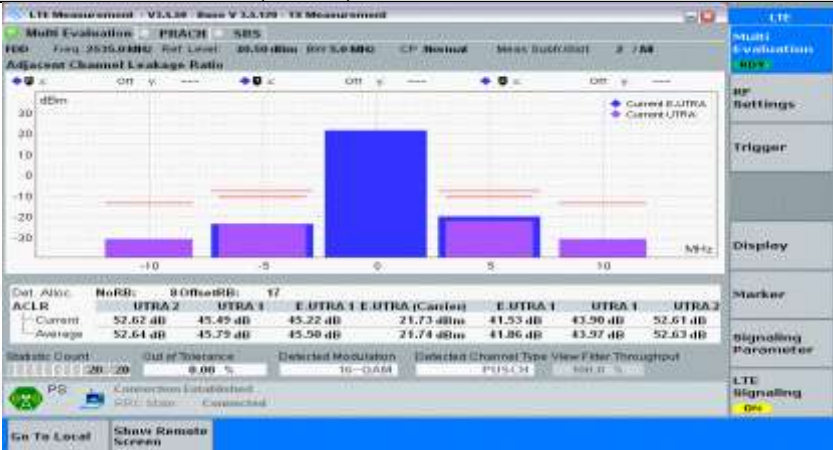
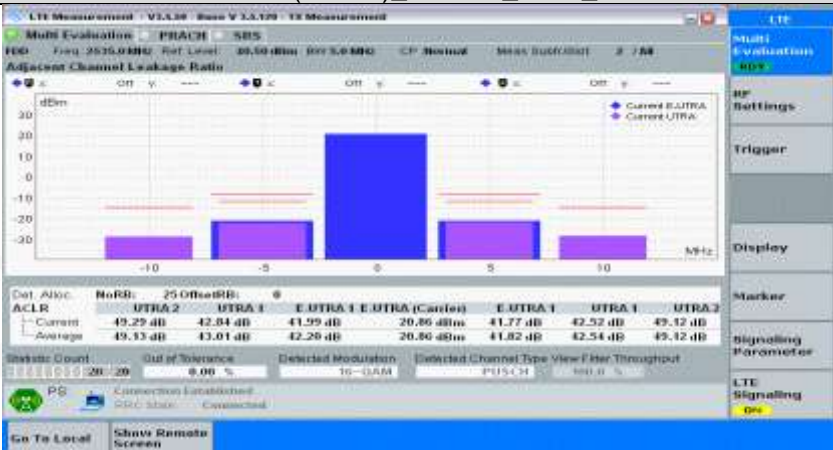




Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0

QPSK																													
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max																													
QPSK																													
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0																													
QPSK	 <table data-bbox="462 1509 1300 1576"><tr><th>Cell, Alloc</th><th>NoRB</th><th>25 OffsetRB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1 (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>48.95 dB</td><td>44.18 dB</td><td>43.48 dB</td><td>21.81 dBm</td><td>42.99 dB</td><td>43.64 dB</td><td>45.26 dB</td><td></td></tr><tr><td>Average</td><td>48.08 dB</td><td>43.95 dB</td><td>43.30 dB</td><td>21.77 dBm</td><td>42.79 dB</td><td>43.43 dB</td><td>45.07 dB</td><td></td></tr></table>	Cell, Alloc	NoRB	25 OffsetRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	48.95 dB	44.18 dB	43.48 dB	21.81 dBm	42.99 dB	43.64 dB	45.26 dB		Average	48.08 dB	43.95 dB	43.30 dB	21.77 dBm	42.79 dB	43.43 dB	45.07 dB	
Cell, Alloc	NoRB	25 OffsetRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																				
Current	48.95 dB	44.18 dB	43.48 dB	21.81 dBm	42.99 dB	43.64 dB	45.26 dB																						
Average	48.08 dB	43.95 dB	43.30 dB	21.77 dBm	42.79 dB	43.43 dB	45.07 dB																						
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_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	


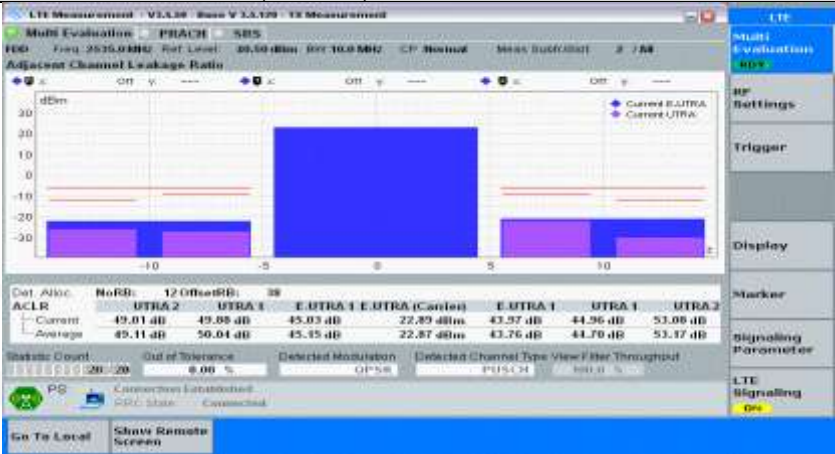
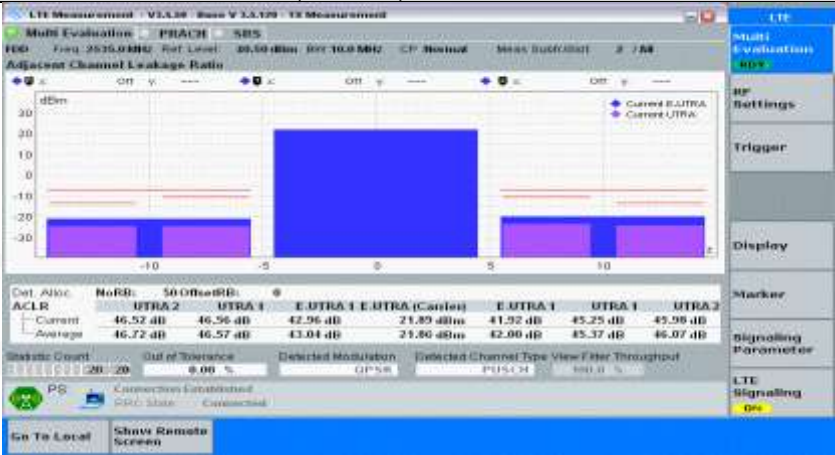
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	




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




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




Channel Bandwidth= (10 MHz)

Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0
--

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

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

16QAM		<div>LTE</div> <div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>On</div>																					
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max																							
16QAM		<div>LTE</div> <div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>On</div>																					
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0																							
16QAM	 <table><tr><th>Subcarrier</th><th>ULTRA 2</th><th>ULTRA 1</th><th>E-ULTRA 1</th><th>E-ULTRA 1</th><th>ULTRA 1</th><th>ULTRA 2</th></tr><tr><td>Current</td><td>48.45 dB</td><td>45.54 dB</td><td>43.34 dB</td><td>20.72 dBm</td><td>41.19 dB</td><td>46.58 dB</td></tr><tr><td>Average</td><td>48.37 dB</td><td>45.88 dB</td><td>43.22 dB</td><td>20.70 dBm</td><td>41.13 dB</td><td>46.40 dB</td></tr></table>	Subcarrier	ULTRA 2	ULTRA 1	E-ULTRA 1	E-ULTRA 1	ULTRA 1	ULTRA 2	Current	48.45 dB	45.54 dB	43.34 dB	20.72 dBm	41.19 dB	46.58 dB	Average	48.37 dB	45.88 dB	43.22 dB	20.70 dBm	41.13 dB	46.40 dB	<div>LTE</div> <div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Storage</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>On</div>
Subcarrier	ULTRA 2	ULTRA 1	E-ULTRA 1	E-ULTRA 1	ULTRA 1	ULTRA 2																	
Current	48.45 dB	45.54 dB	43.34 dB	20.72 dBm	41.19 dB	46.58 dB																	
Average	48.37 dB	45.88 dB	43.22 dB	20.70 dBm	41.13 dB	46.40 dB																	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0																							

16QAM																															
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max																															
16QAM																															
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0																															
16QAM	 <table><tr><th>Cell ACLR</th><th>NoRB</th><th>50 OffRB</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA 1 (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>46.46 dB</td><td>45.05 dB</td><td>42.07 dB</td><td>20.85 dBm</td><td>40.95 dB</td><td>43.87 dB</td><td>46.04 dB</td><td></td><td></td></tr><tr><td>Average</td><td>46.68 dB</td><td>44.94 dB</td><td>42.03 dB</td><td>20.89 dBm</td><td>40.89 dB</td><td>43.72 dB</td><td>45.94 dB</td><td></td><td></td></tr></table>	Cell ACLR	NoRB	50 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	46.46 dB	45.05 dB	42.07 dB	20.85 dBm	40.95 dB	43.87 dB	46.04 dB			Average	46.68 dB	44.94 dB	42.03 dB	20.89 dBm	40.89 dB	43.72 dB	45.94 dB		
Cell ACLR	NoRB	50 OffRB	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA 1 (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																						
Current	46.46 dB	45.05 dB	42.07 dB	20.85 dBm	40.95 dB	43.87 dB	46.04 dB																								
Average	46.68 dB	44.94 dB	42.03 dB	20.89 dBm	40.89 dB	43.72 dB	45.94 dB																								
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0																															



Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max









Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullIRB#0









Channel Bandwidth=Highest (20 MHz)




Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0




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

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

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

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

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

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

5. Transmitter Spurious Emissions

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth=Highest (20 MHz)

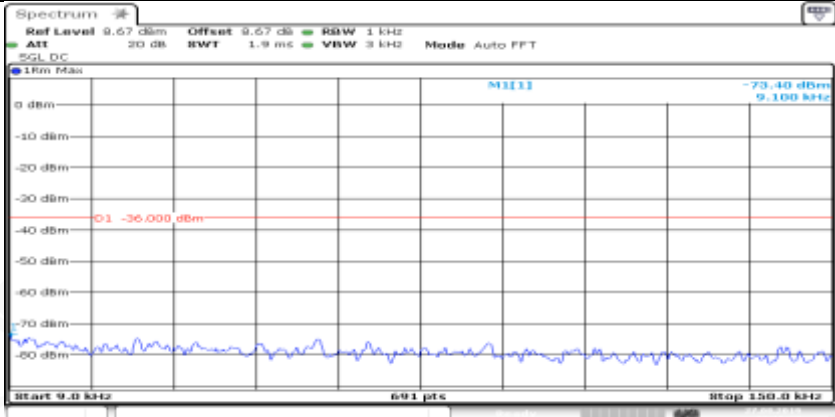
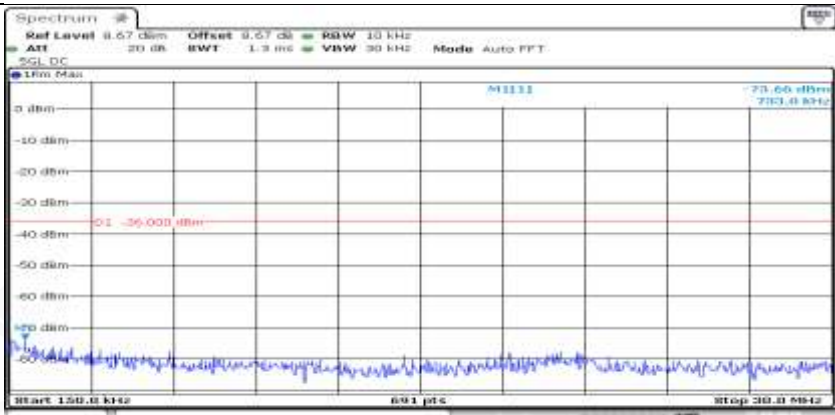
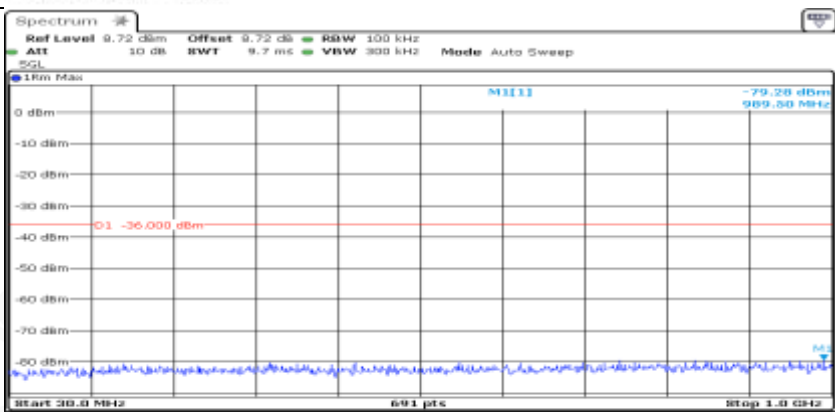
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

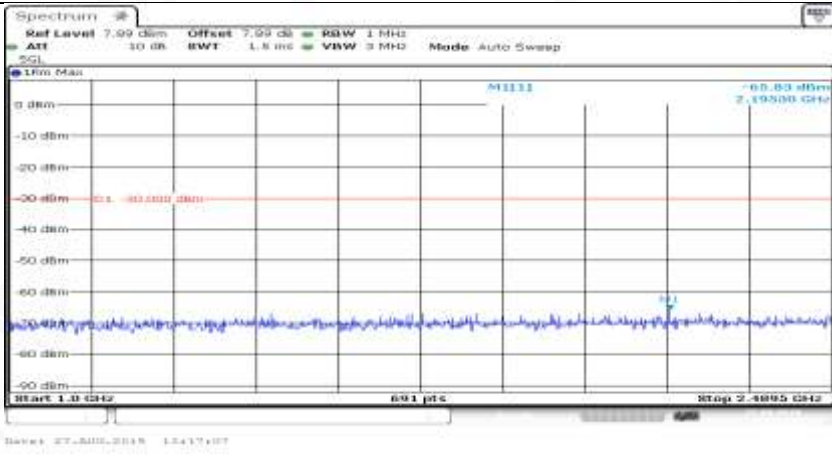
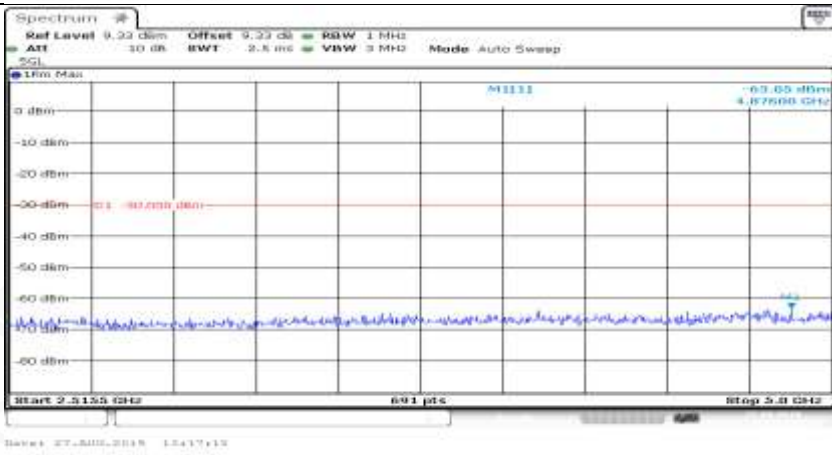
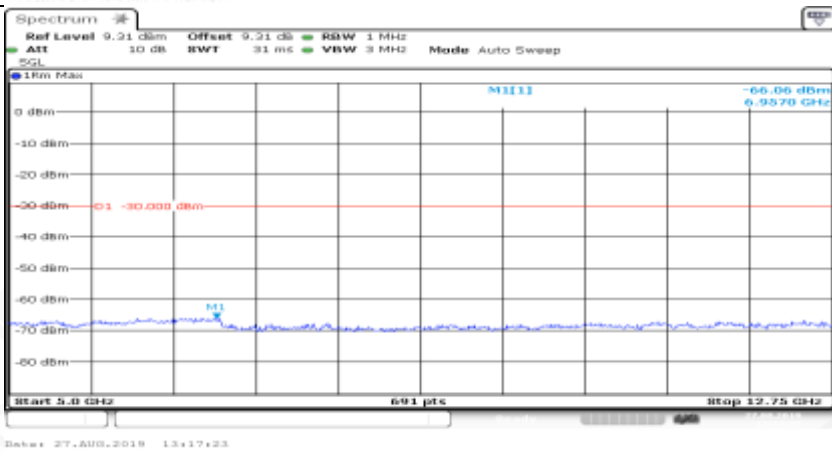
Test Graphs

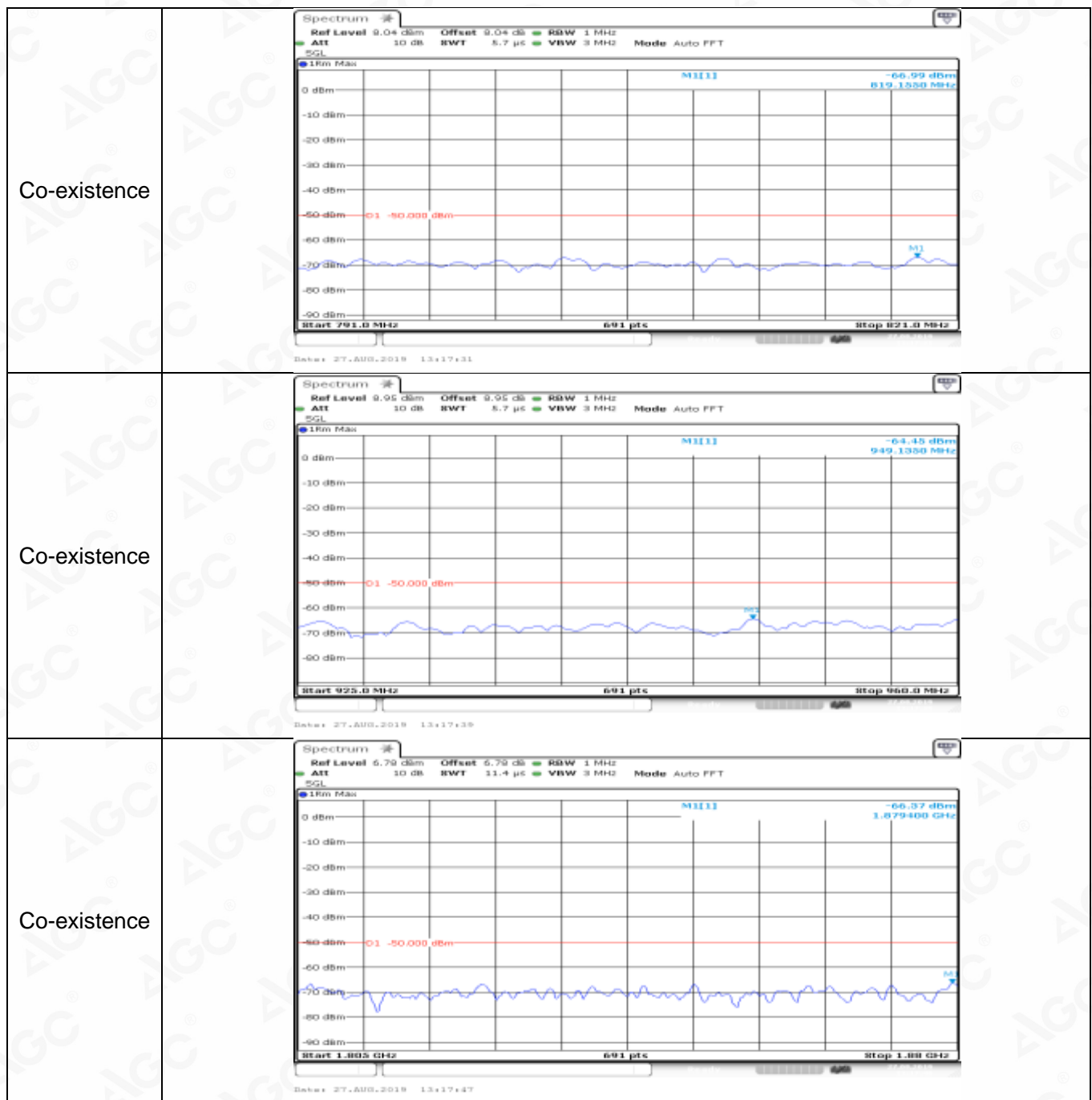
NTNV

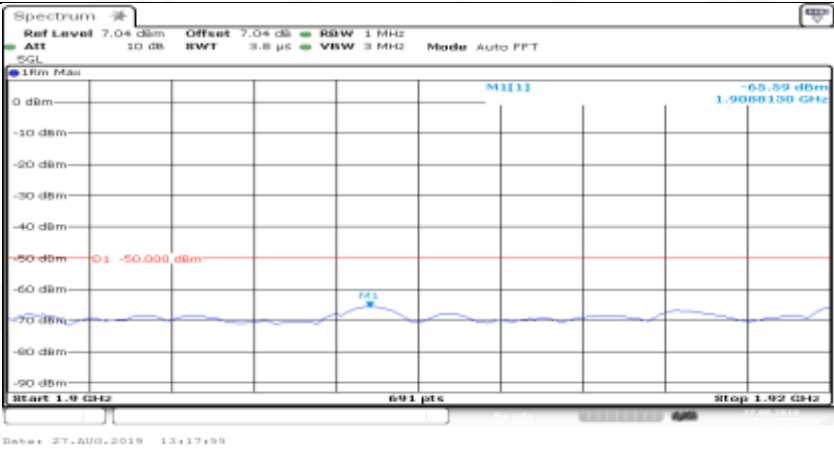
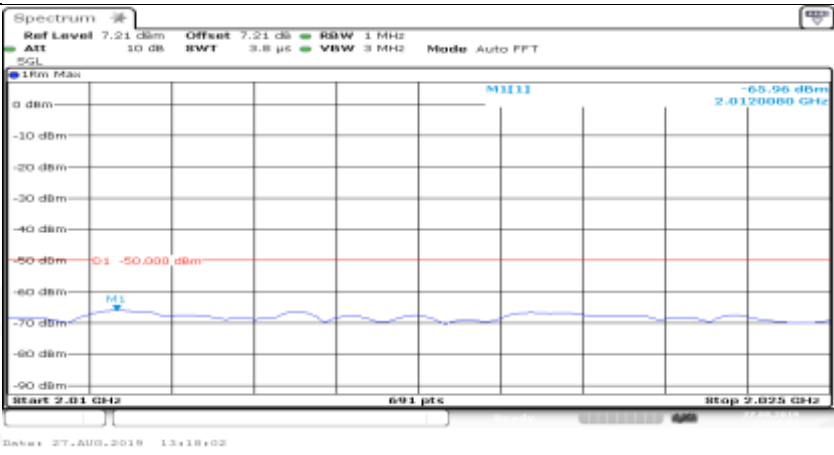

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#0

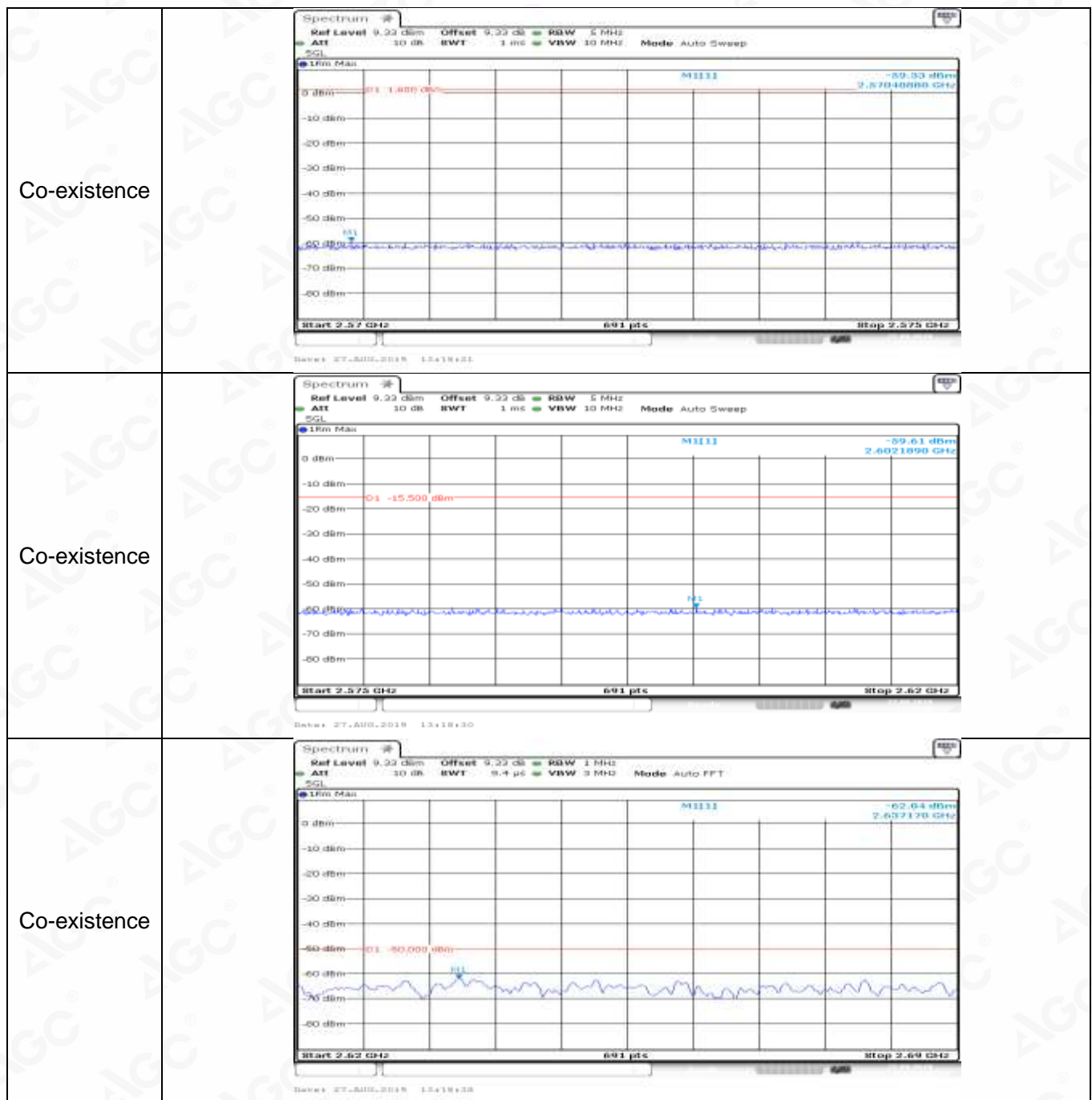
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>~73.40 dBm 9.100 kHz</p> <p>-36.000 dBm</p> <p>Date: 27.AUG.2019 13:18:38</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 20.0 MHz</p> <p>~73.65 dBm 703.0 kHz</p> <p>-36.000 dBm</p> <p>Date: 27.AUG.2019 13:18:51</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB RBW 100 kHz</p> <p>ATT 10 dB BW 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>50L</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 20.0 MHz 691 pts Stop 1.0 GHz</p> <p>~79.28 dBm 989.50 MHz</p> <p>-36.000 dBm</p> <p>Date: 27.AUG.2019 13:18:59</p>

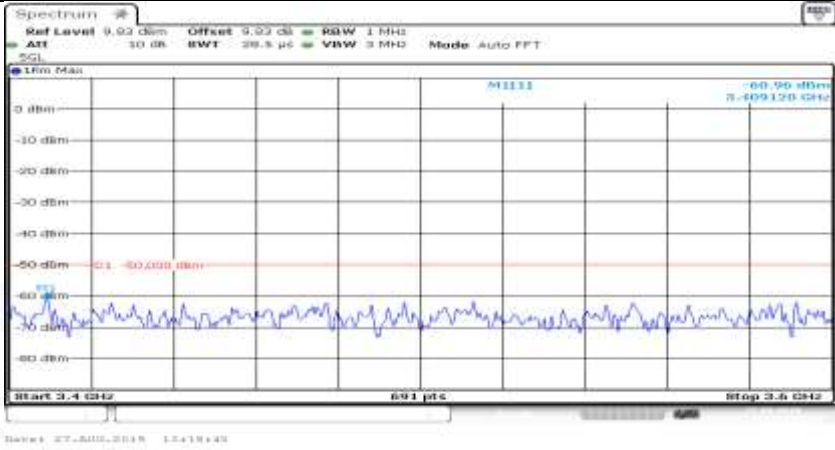
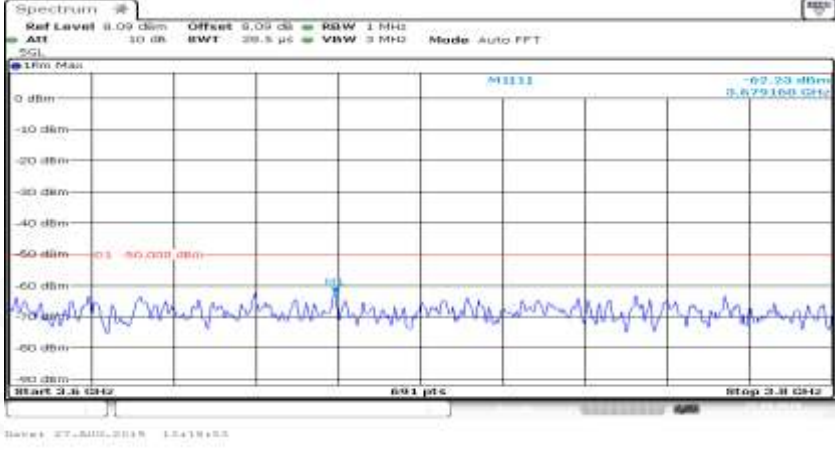
General	 <p>Spectrum plot showing frequency response. The y-axis represents power in dBm, ranging from -80 dBm to 0 dBm. The x-axis represents frequency in GHz, ranging from 1.3 GHz to 2.4 GHz. A red horizontal line is drawn at -30 dBm. The plot shows a noisy baseline around -70 dBm with a small peak labeled 'M1111' at approximately 2.195 GHz.</p>
General	 <p>Spectrum plot showing frequency response. The y-axis represents power in dBm, ranging from -80 dBm to 0 dBm. The x-axis represents frequency in GHz, ranging from 2.315 GHz to 5.0 GHz. A red horizontal line is drawn at -30 dBm. The plot shows a noisy baseline around -70 dBm with a small peak labeled 'M1111' at approximately 4.877 GHz.</p>
General	 <p>Spectrum plot showing frequency response. The y-axis represents power in dBm, ranging from -80 dBm to 0 dBm. The x-axis represents frequency in GHz, ranging from 5.0 GHz to 12.75 GHz. A red horizontal line is drawn at -30 dBm. The plot shows a noisy baseline around -70 dBm with a small peak labeled 'M1' at approximately 6.957 GHz.</p>

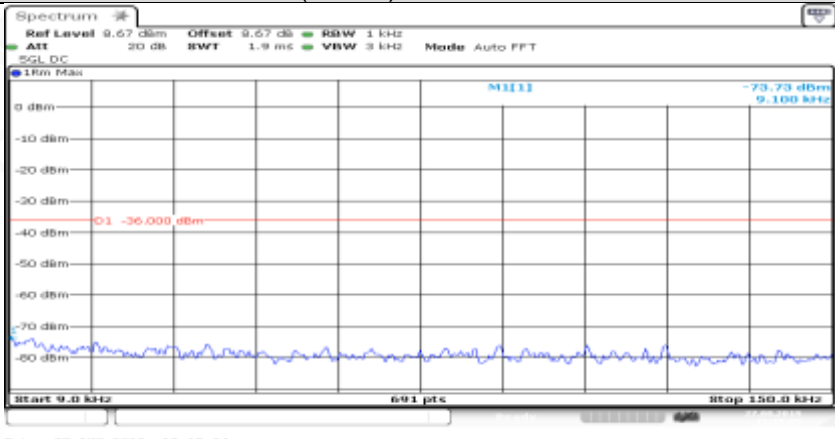


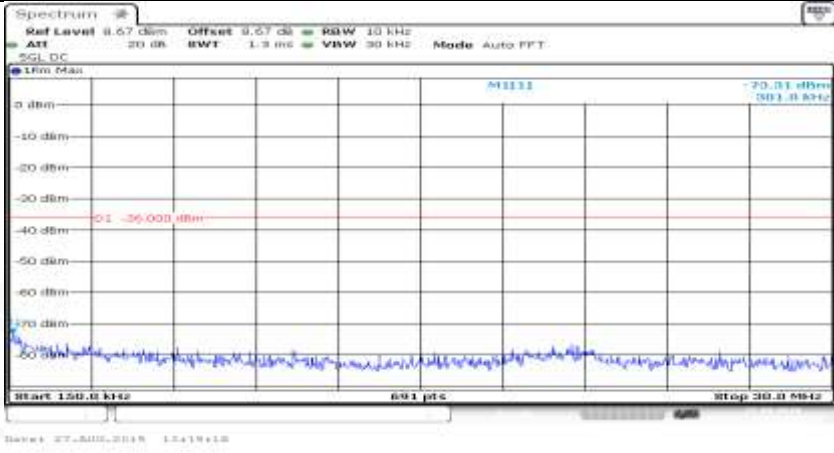
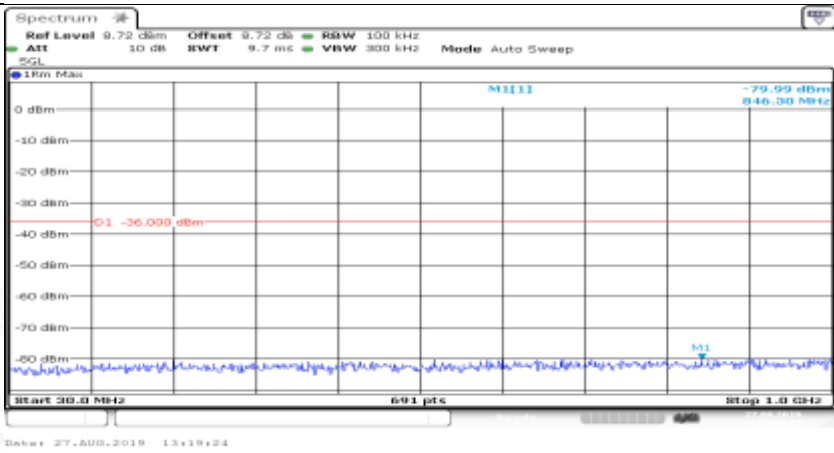
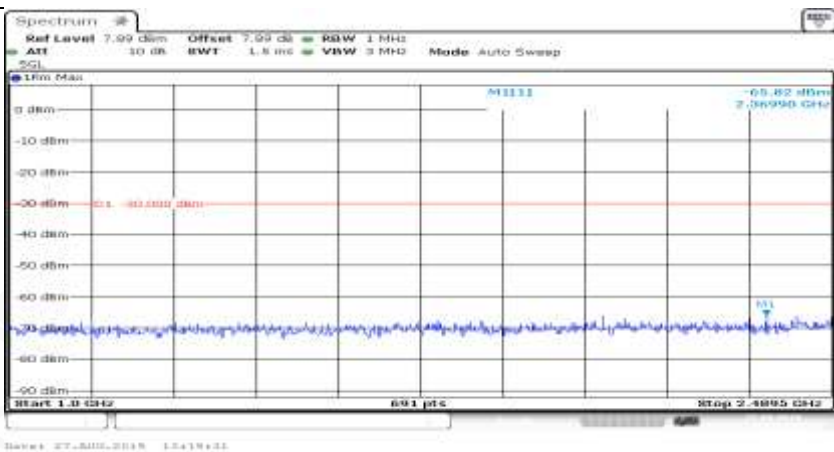
Co-existence	
Co-existence	
Co-existence	



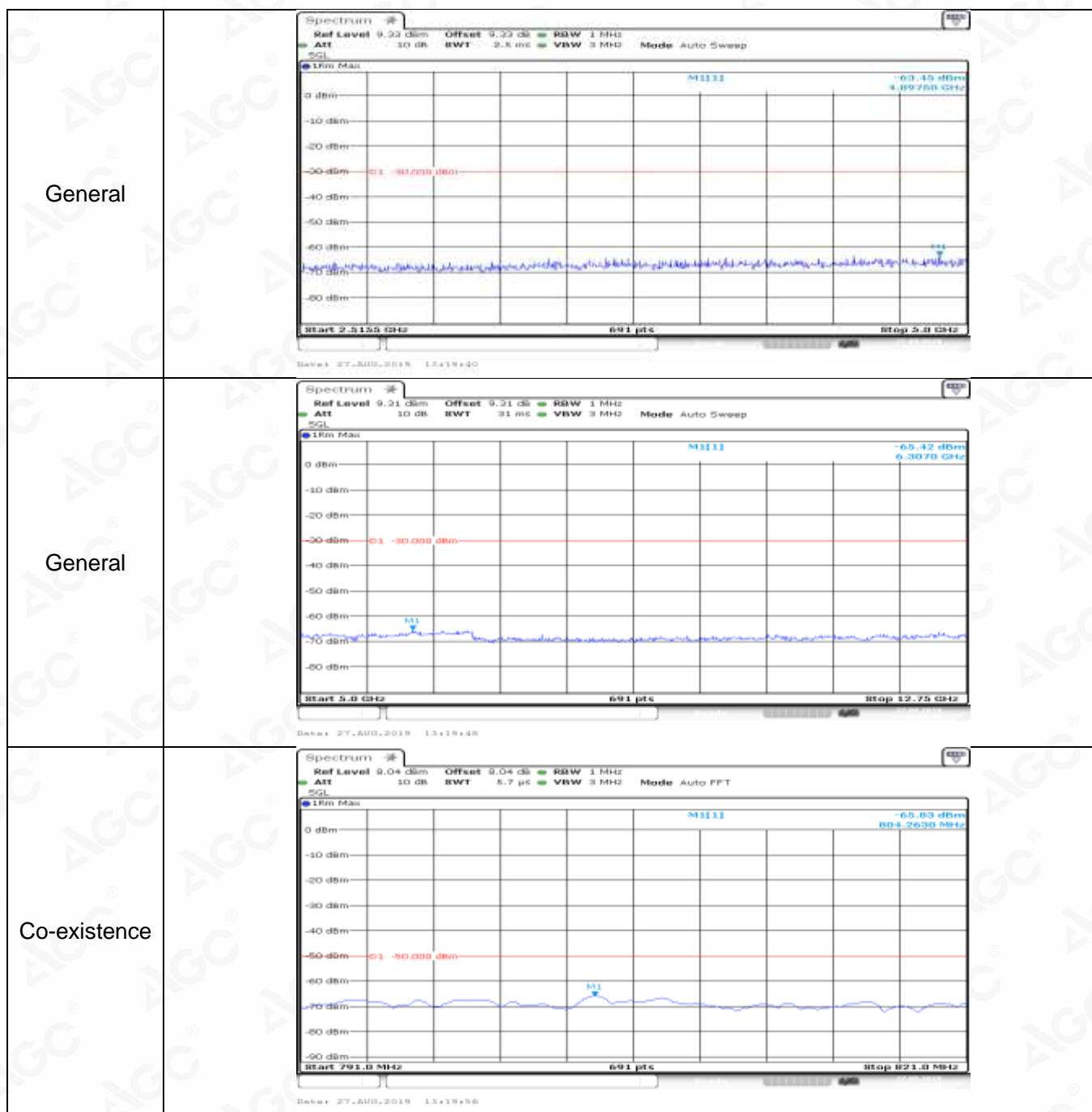


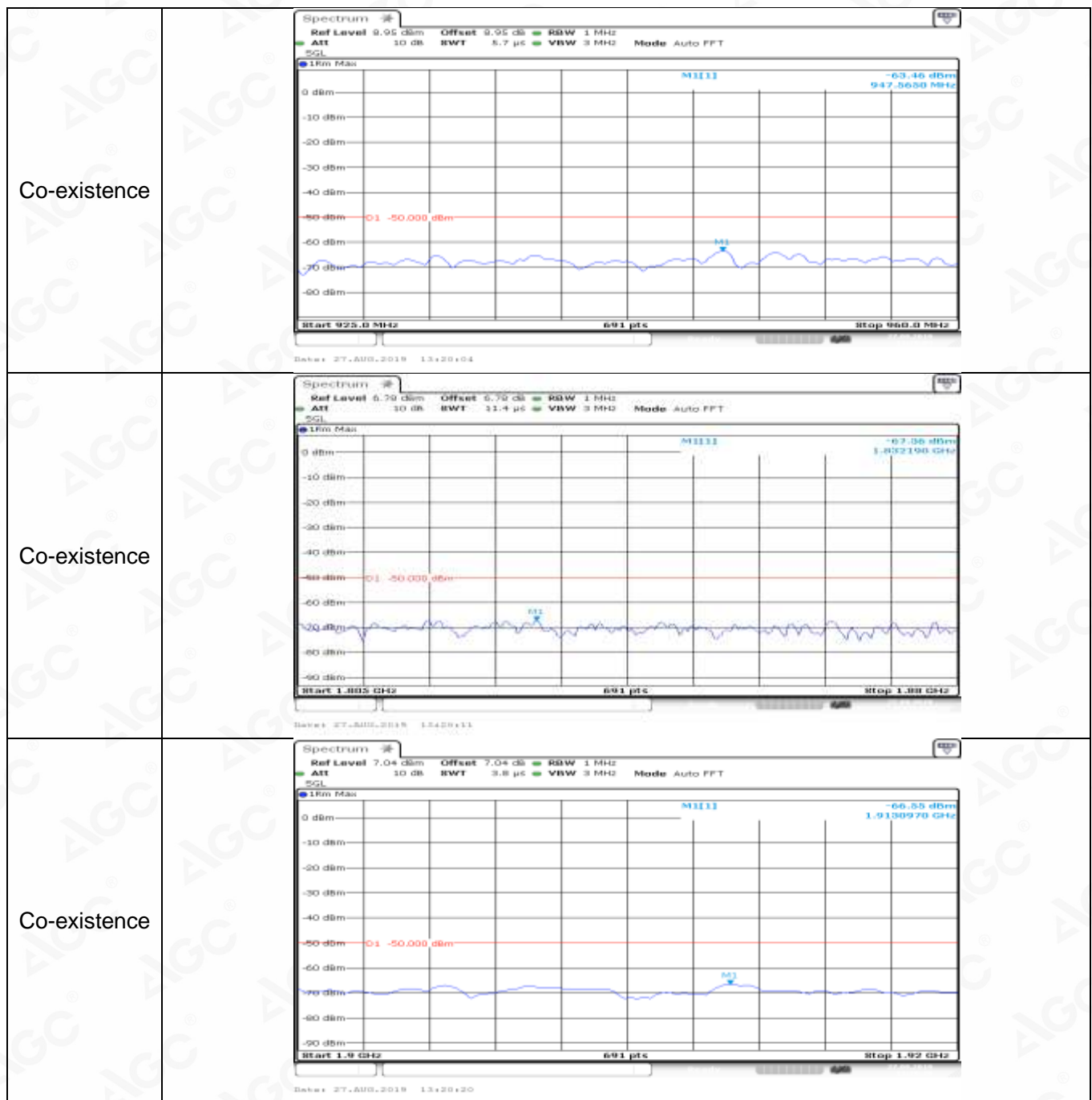
Co-existence	
Co-existence	
Additional	NA

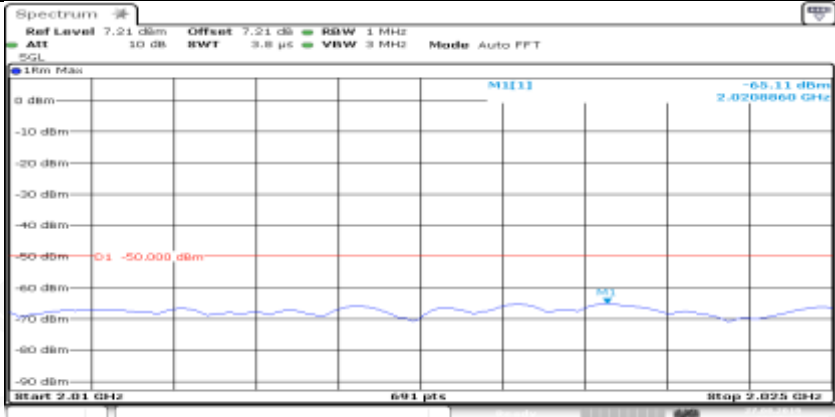

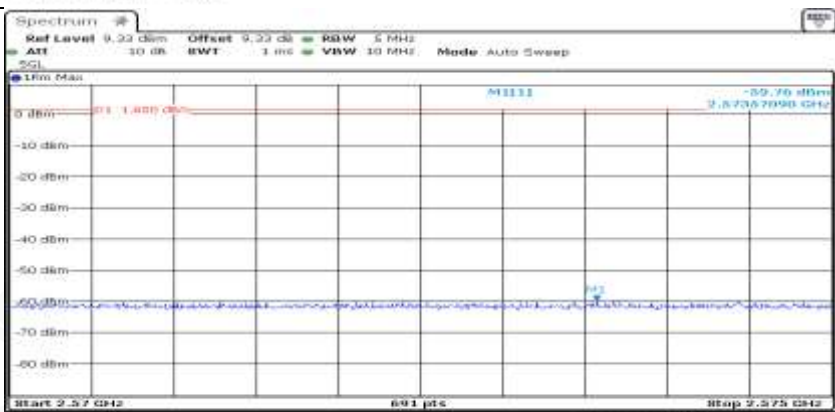
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	

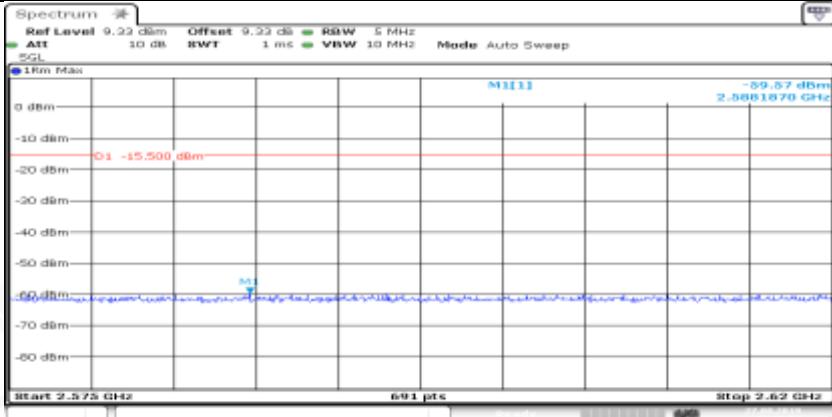
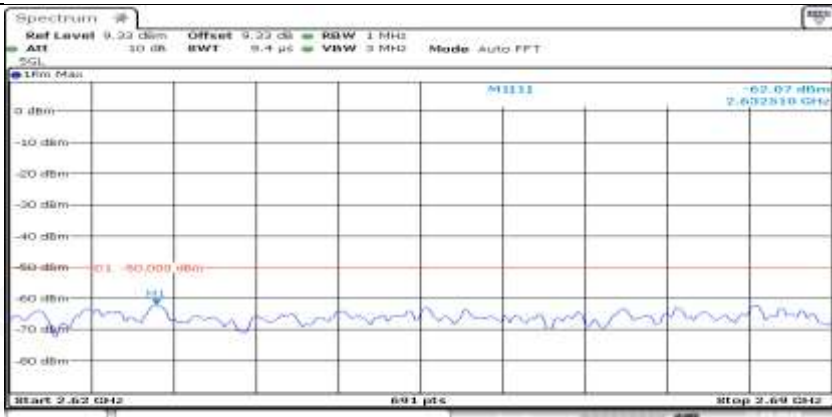
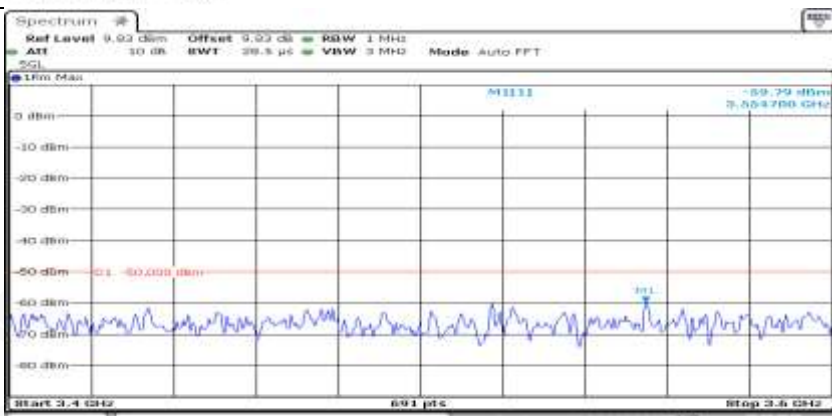
General	
General	
General	

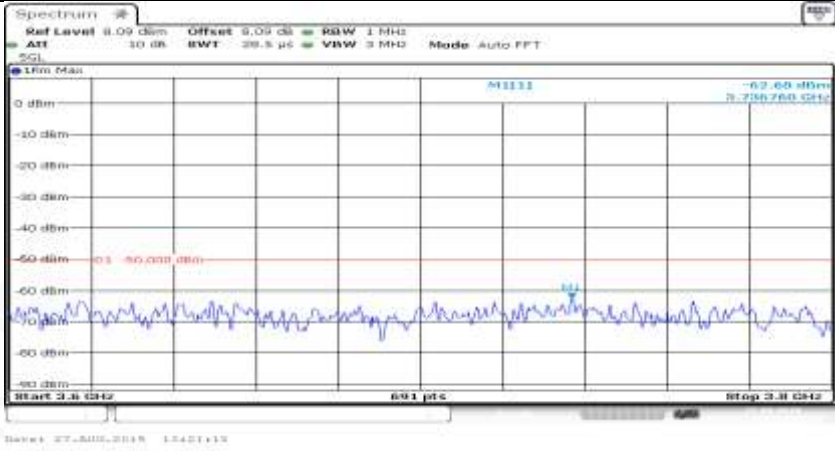


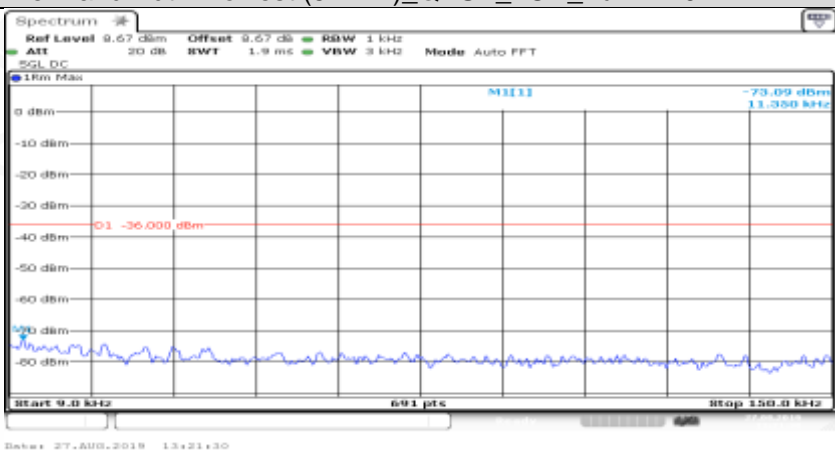
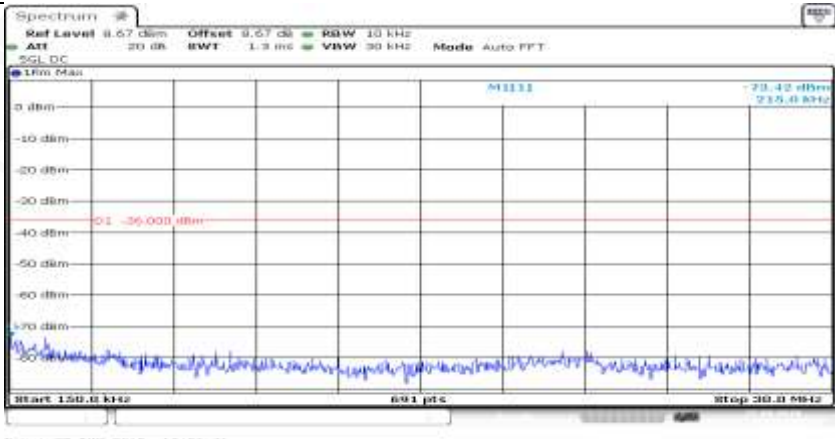


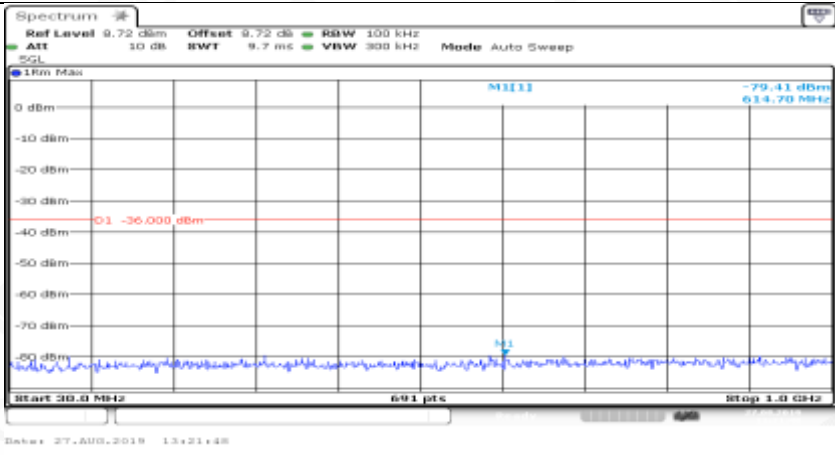
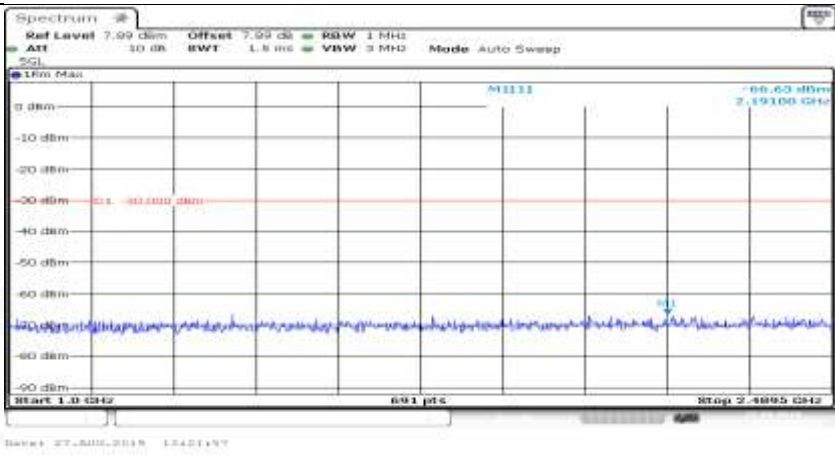
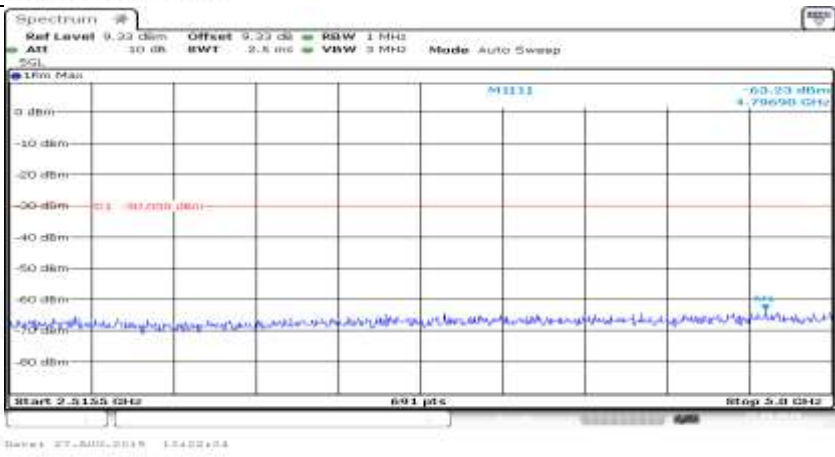


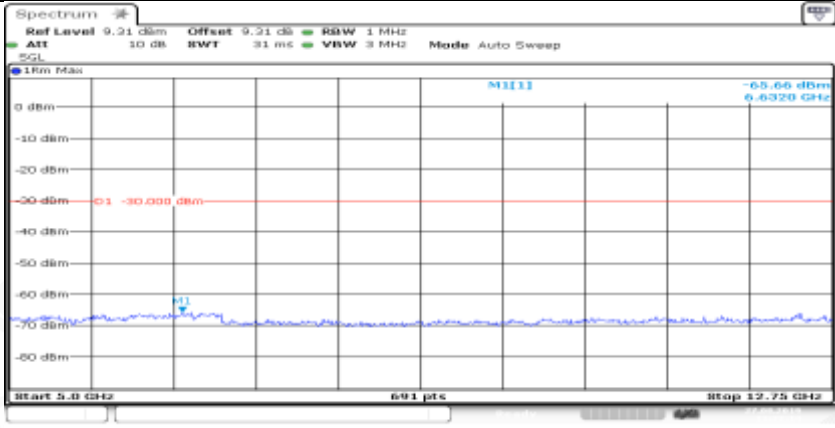

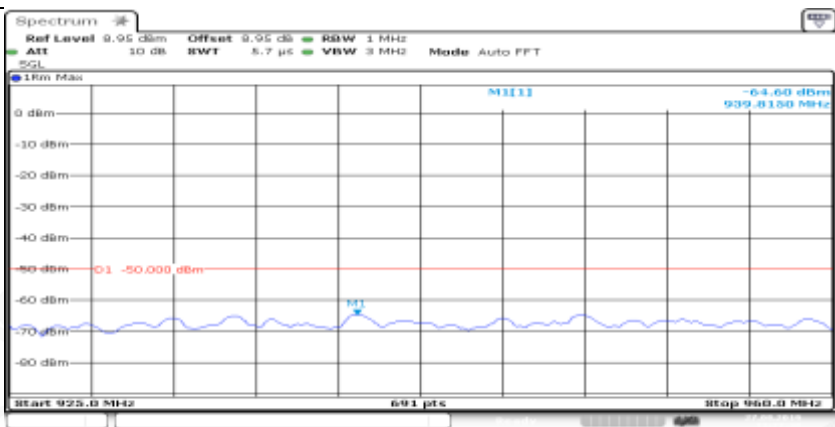
Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>691 pts</p> <p>Save: 27.AUG.2019 13:20:28</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.17 GHz</p> <p>691 pts</p> <p>Save: 27.AUG.2019 13:20:33</p>
Co-existence	 <p>Start 2.57 GHz Stop 2.575 GHz</p> <p>691 pts</p> <p>Save: 27.AUG.2019 13:20:44</p>


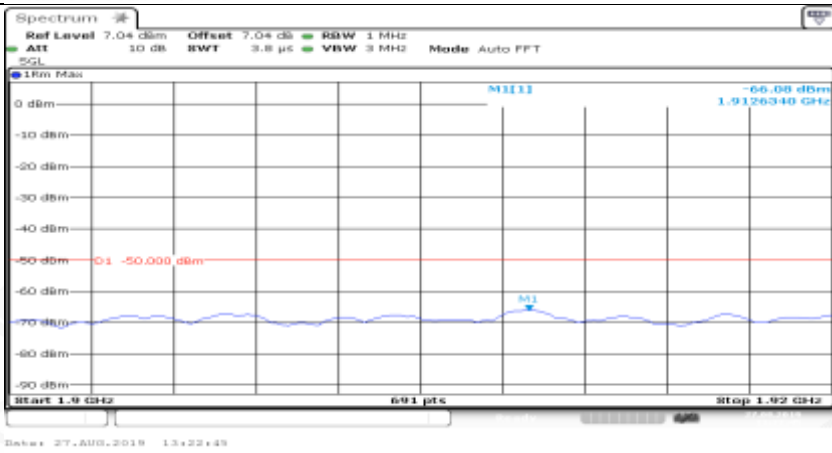
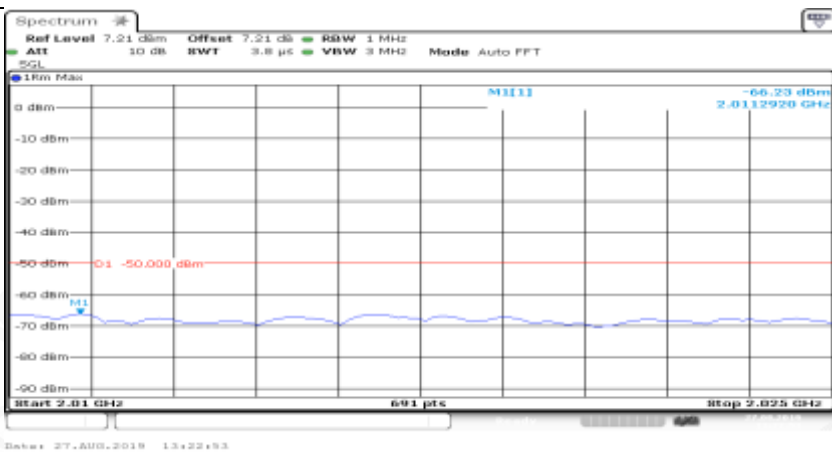
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 5 MHz</p> <p>ATT 10 dB BWT 1 ms VBW 10 MHz Mode Auto Sweep</p> <p>SQL</p> <p>LRM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 2.575 GHz</p> <p>691 pts</p> <p>Stop 2.62 GHz</p> <p>Date: 27.AUG.2018 13:20:51</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BWT 0.4 μs VBW 3 MHz Mode Auto FFT</p> <p>SQL</p> <p>LRM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 2.62 GHz</p> <p>691 pts</p> <p>Stop 2.64 GHz</p> <p>Date: 27.AUG.2018 13:20:58</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BWT 20.5 μs VBW 3 MHz Mode Auto FFT</p> <p>SQL</p> <p>LRM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 2.6 GHz</p> <p>691 pts</p> <p>Stop 2.6 GHz</p> <p>Date: 27.AUG.2018 13:21:08</p>

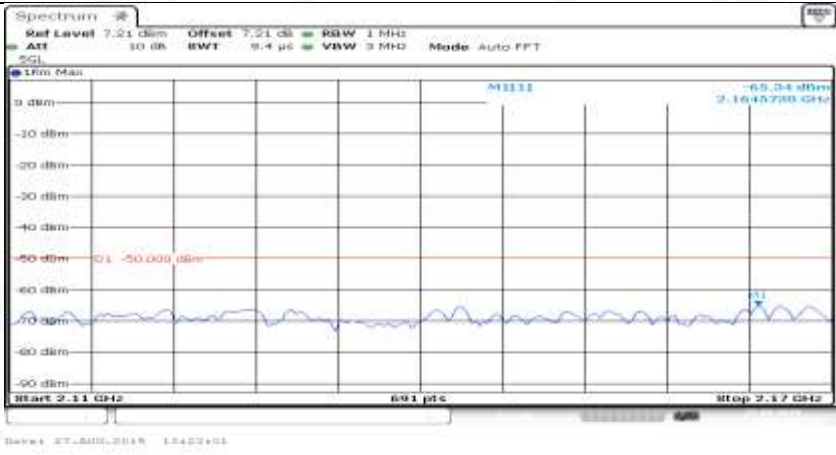
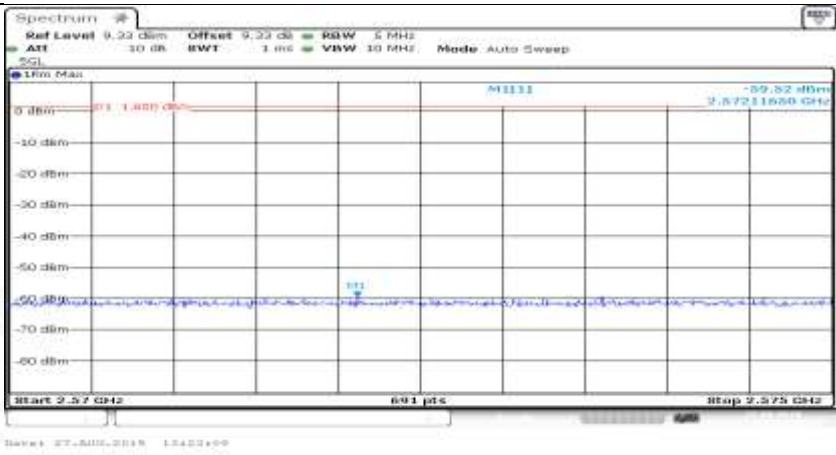
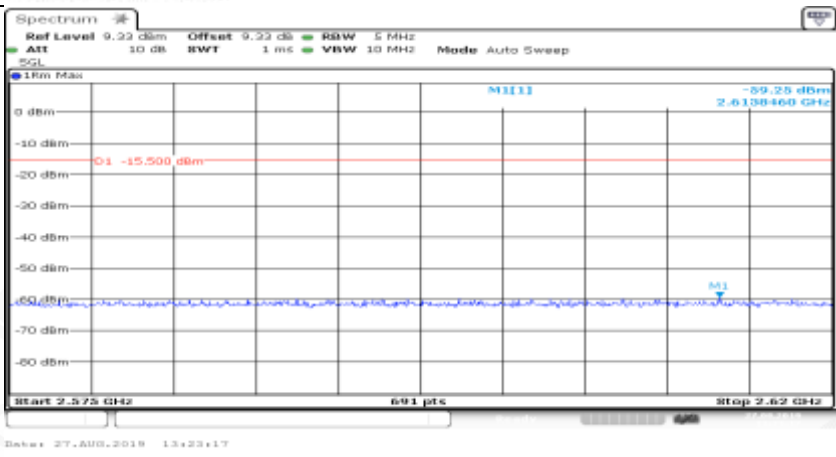
Co-existence	
Additional	NA

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


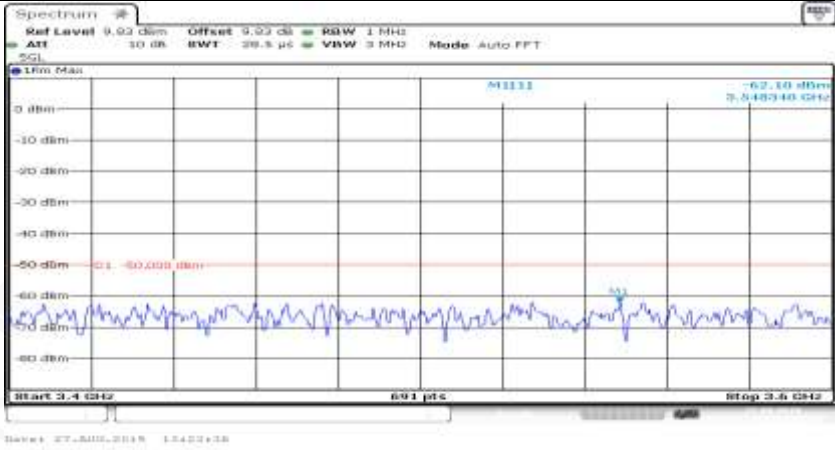
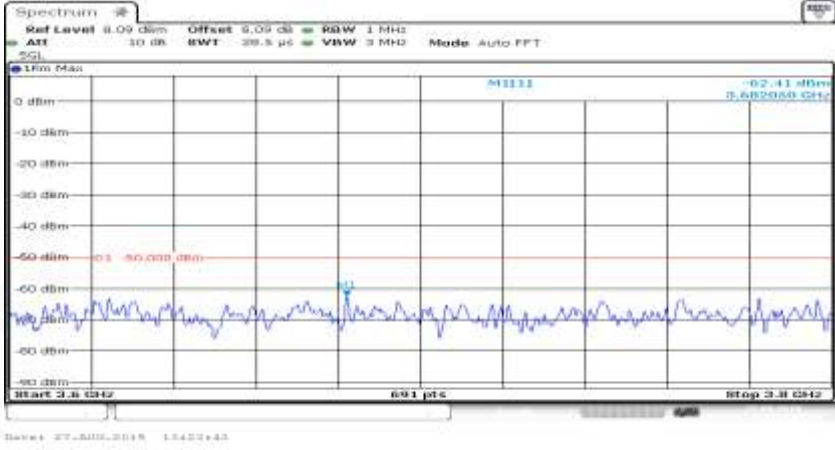
General	
General	
General	

General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 13:22:14</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 27.AUG.2019 13:22:21</p>
Co-existence	 <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>Date: 27.AUG.2019 13:22:29</p>

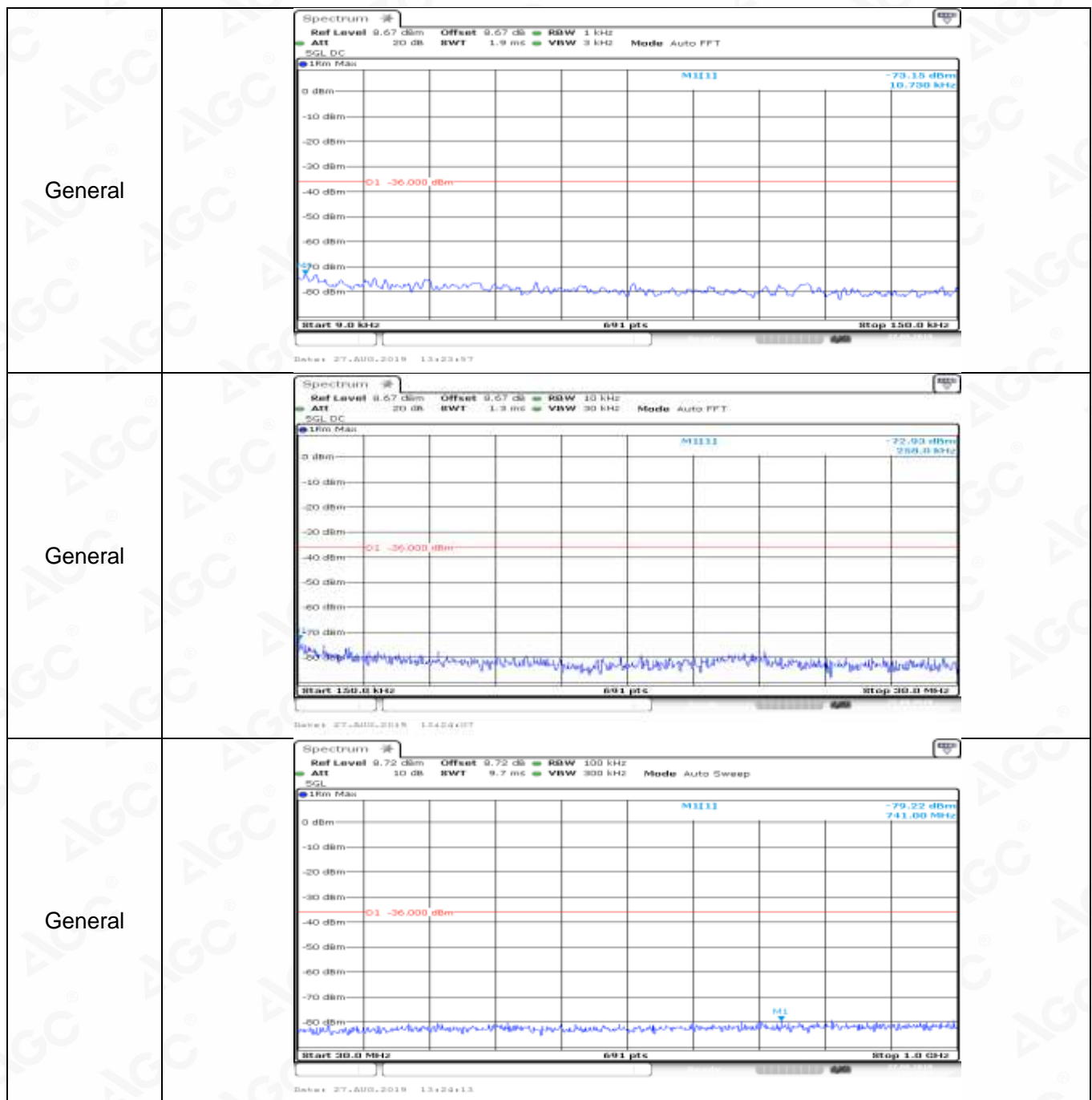
Co-existence	
Co-existence	
Co-existence	

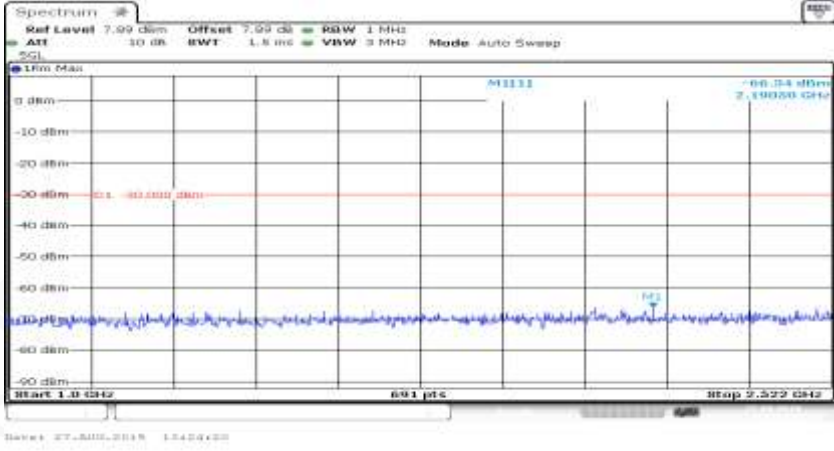
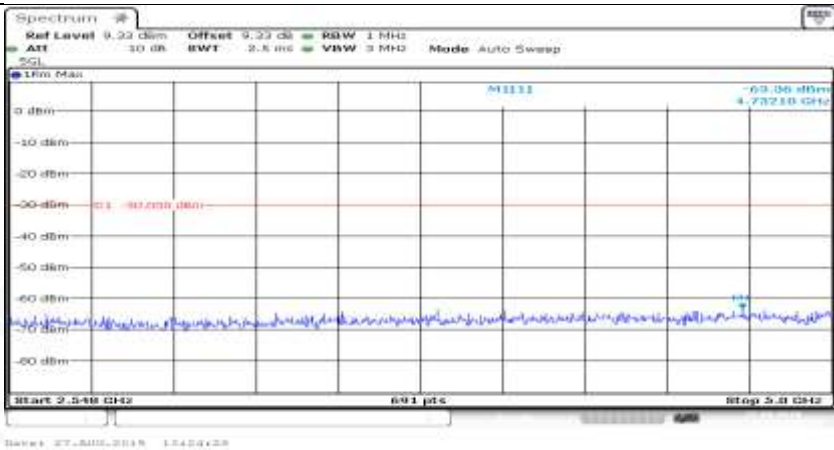
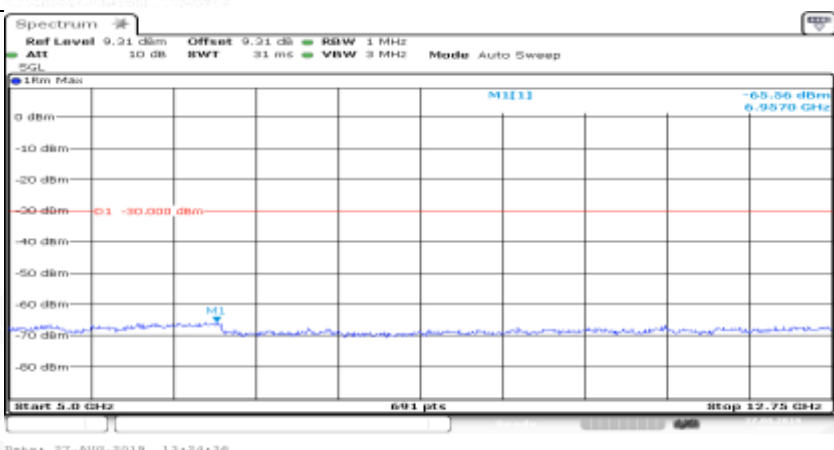
Co-existence	
Co-existence	
Co-existence	



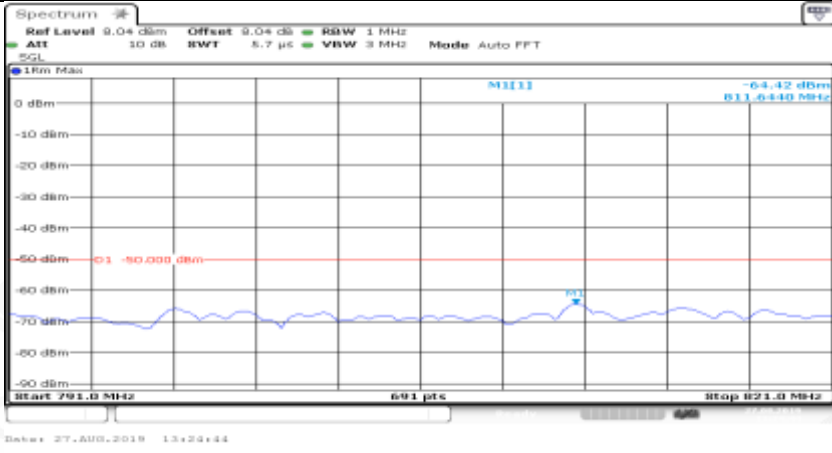
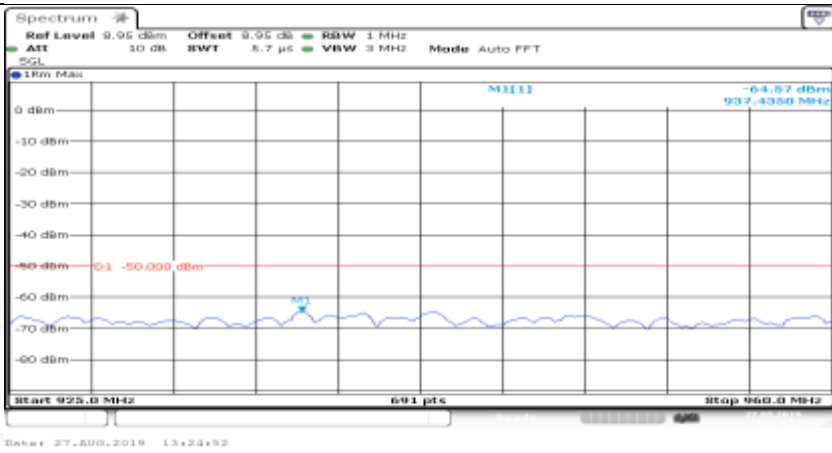
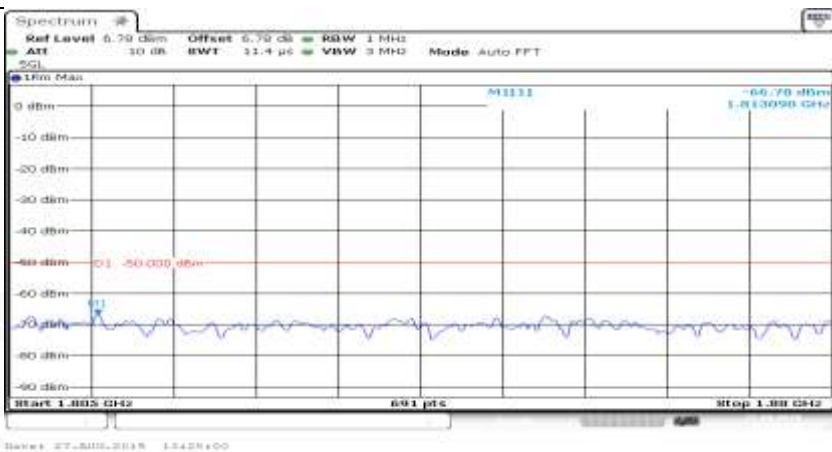
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0

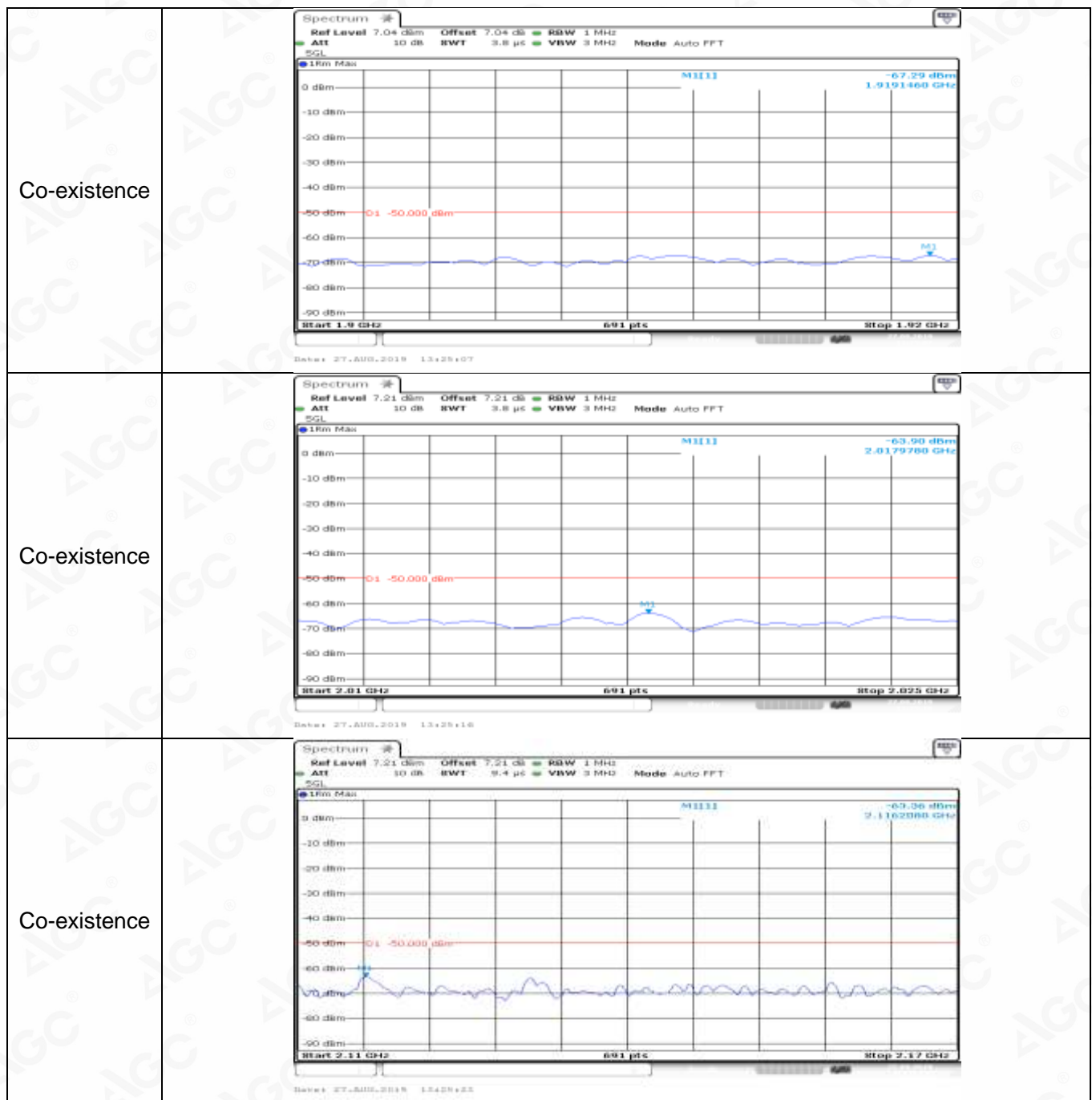


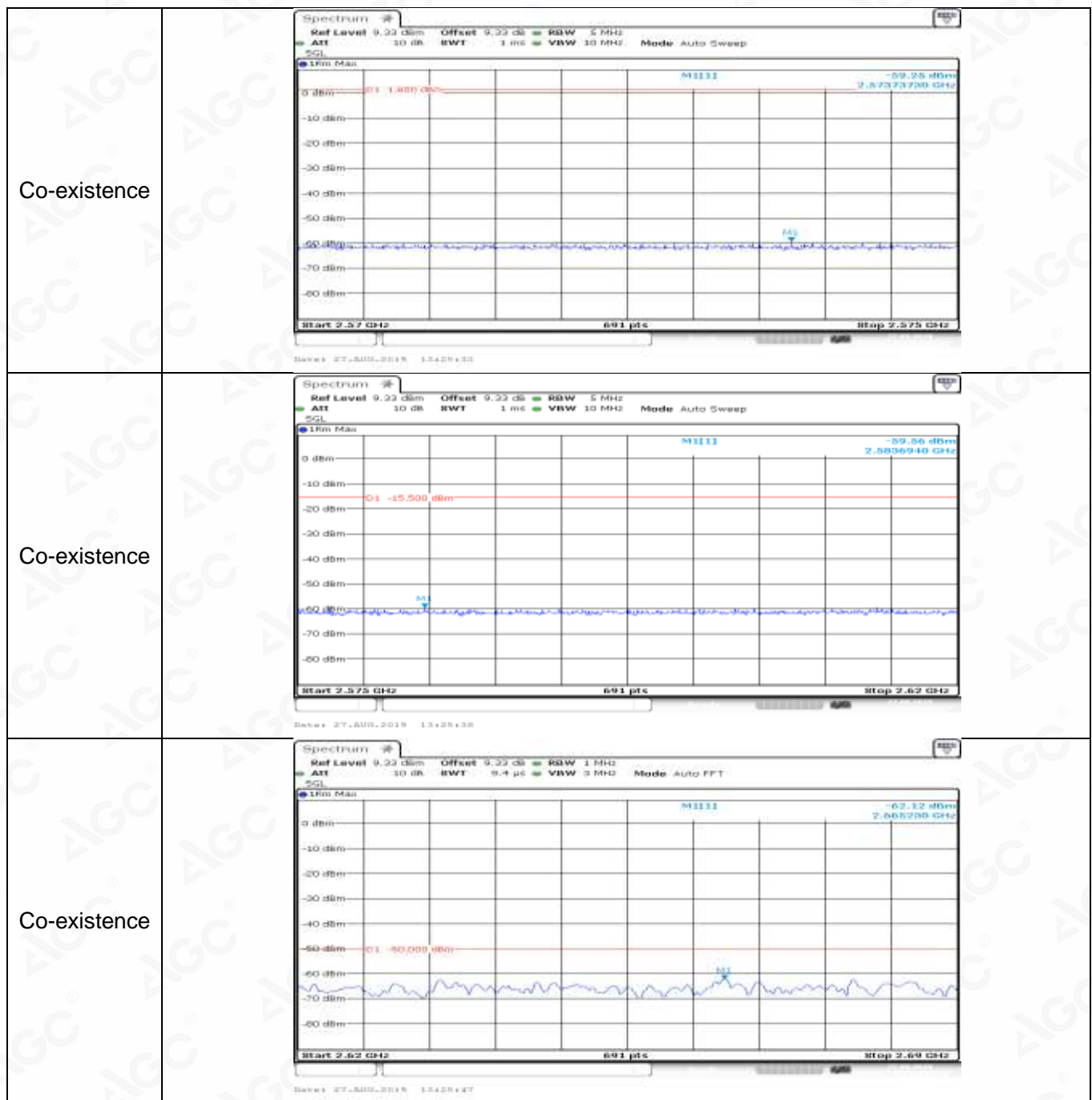
General	 <p>Spectrum plot showing a signal at 2.19050 GHz with a peak level of -0.34 dBm. The plot includes a red line at -30 dBm and a blue line at -60 dBm. The x-axis ranges from 1.8 GHz to 2.2 GHz, and the y-axis ranges from -80 dBm to 0 dBm.</p>
General	 <p>Spectrum plot showing a signal at 4.73218 GHz with a peak level of -0.36 dBm. The plot includes a red line at -30 dBm and a blue line at -60 dBm. The x-axis ranges from 2.5 GHz to 5.0 GHz, and the y-axis ranges from -80 dBm to 0 dBm.</p>
General	 <p>Spectrum plot showing a signal at 6.9378 GHz with a peak level of -0.56 dBm. The plot includes a red line at -30 dBm and a blue line at -60 dBm. The x-axis ranges from 5.0 GHz to 12.75 GHz, and the y-axis ranges from -80 dBm to 0 dBm.</p>

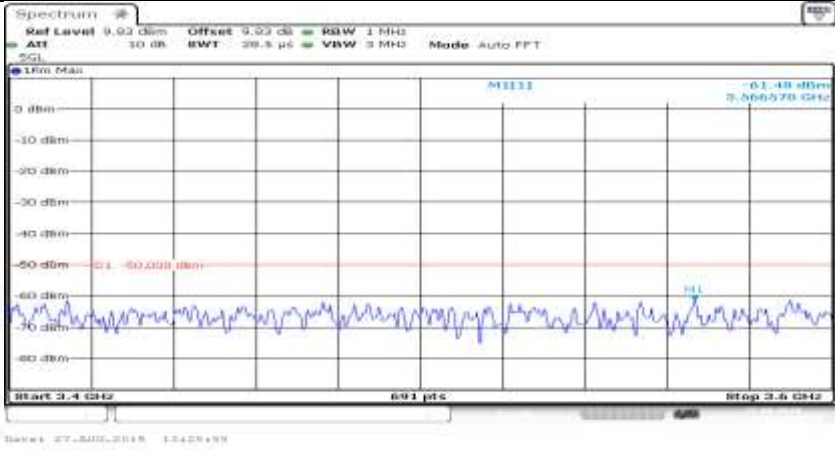
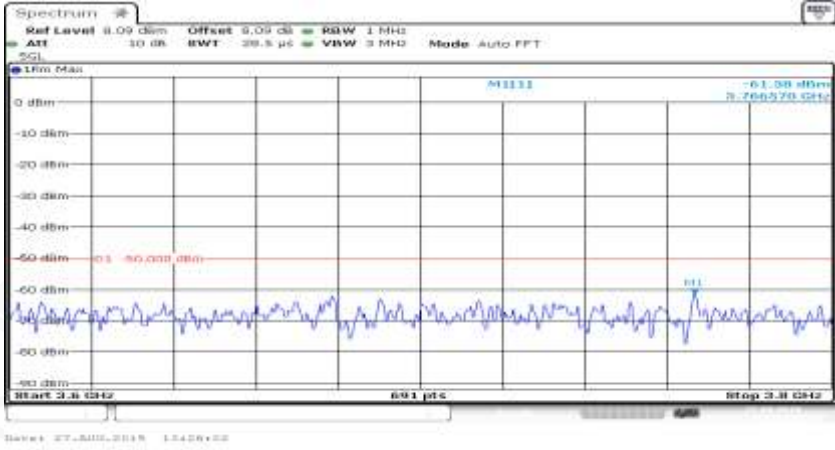


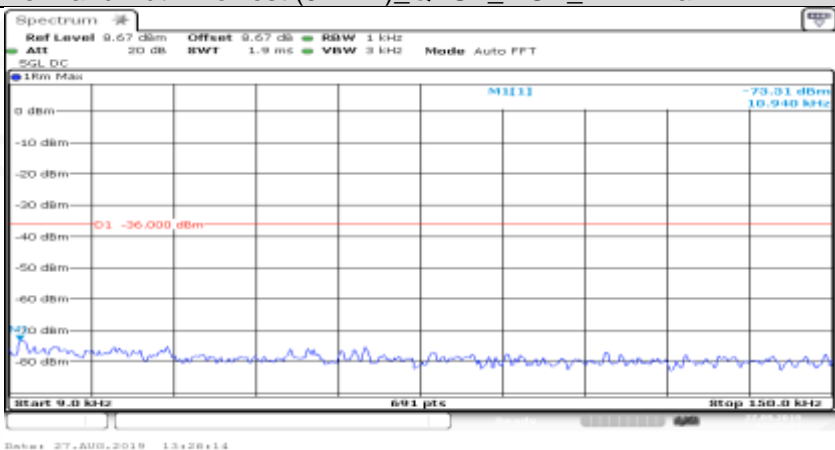
Co-existence	
Co-existence	
Co-existence	

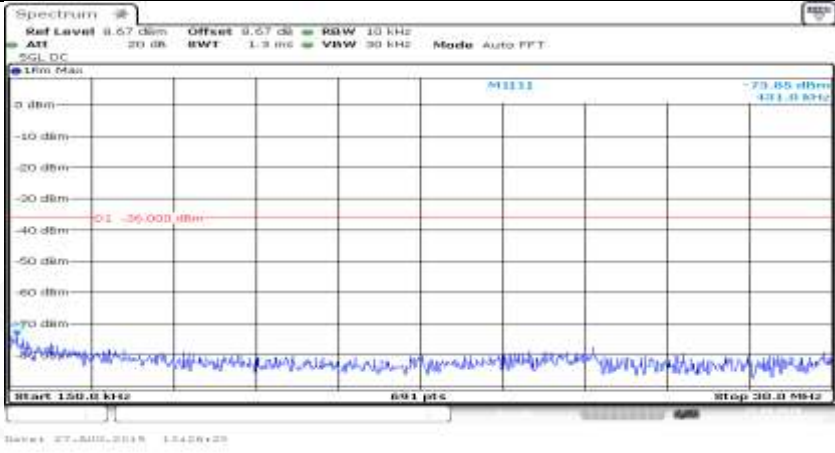
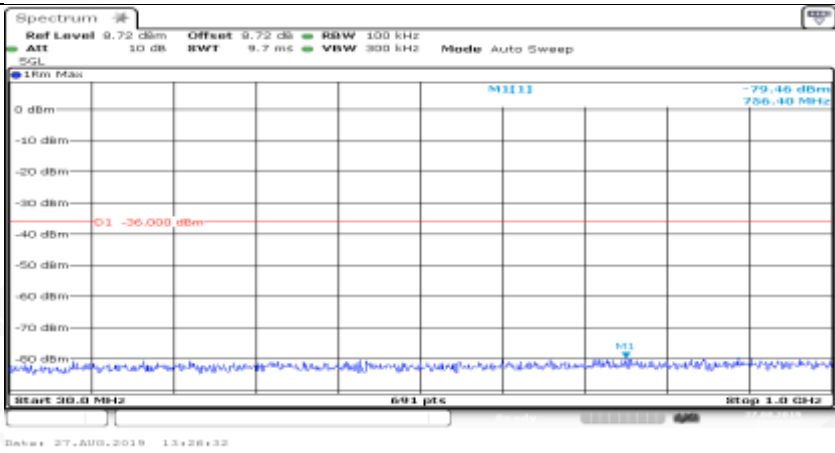
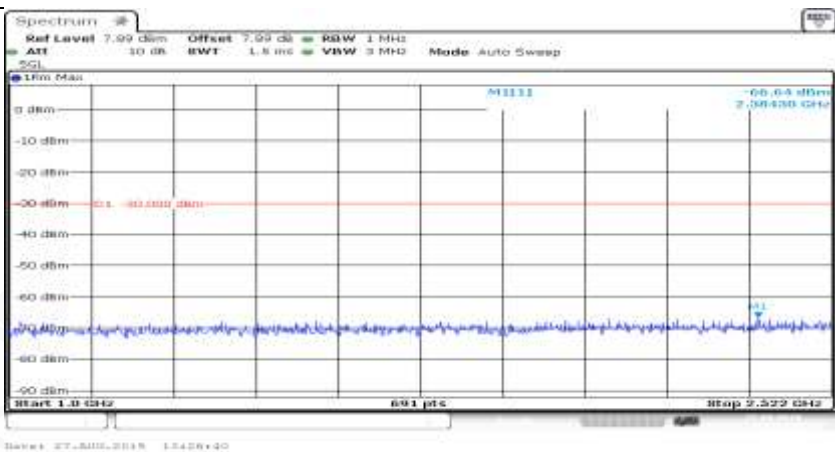


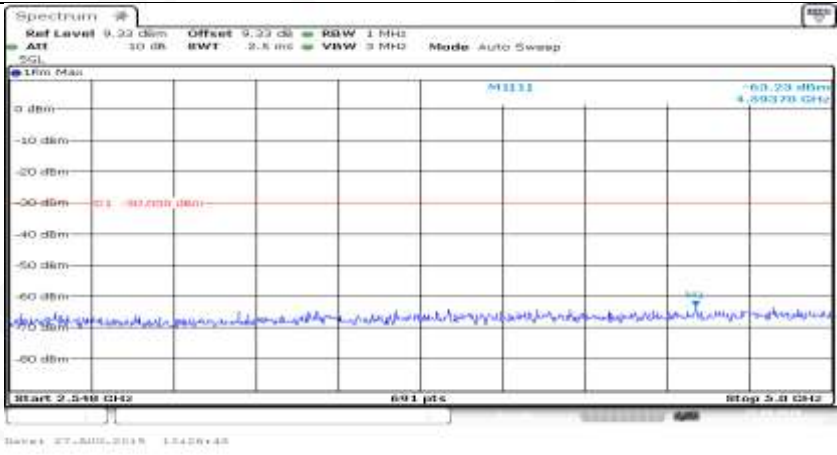
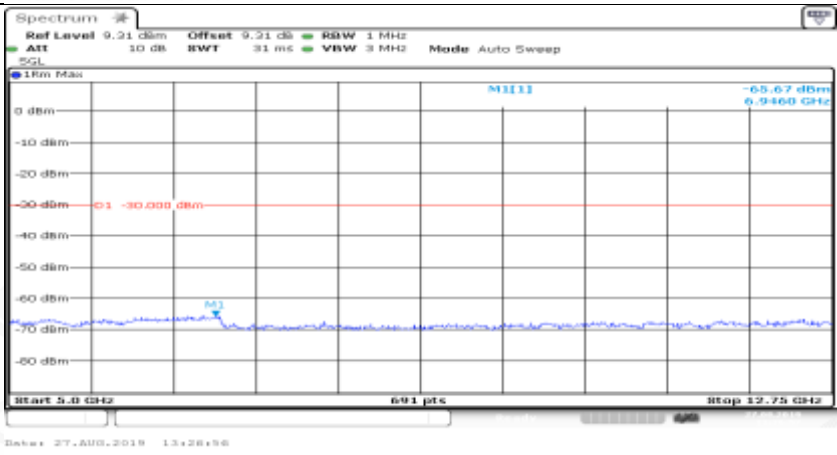
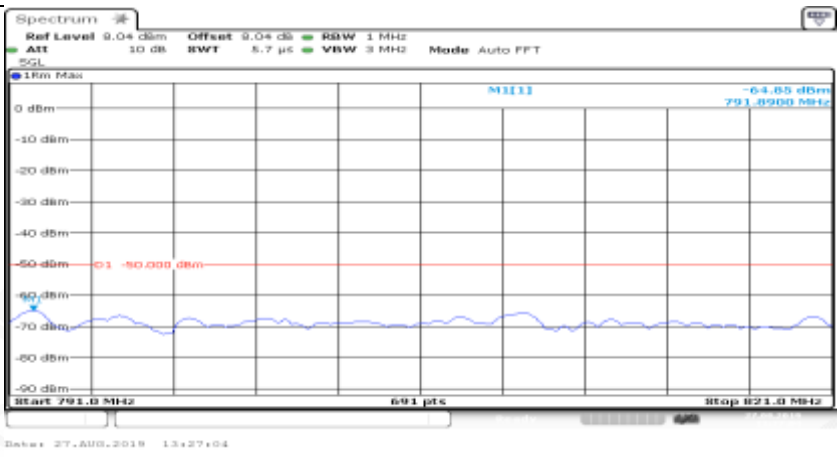


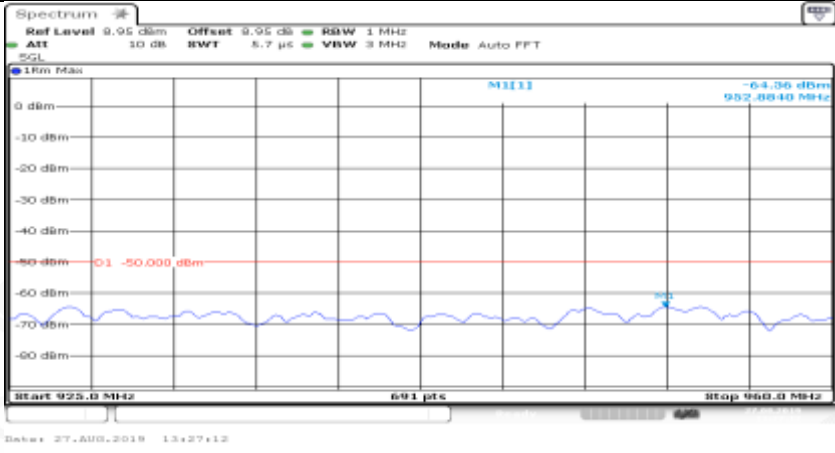
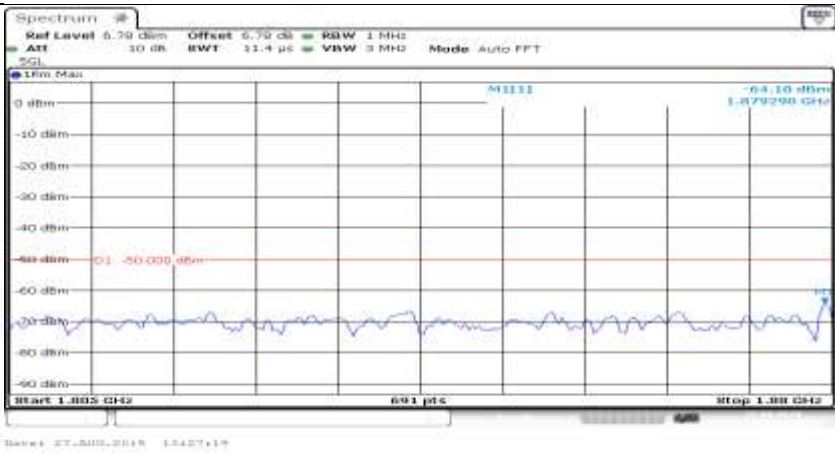
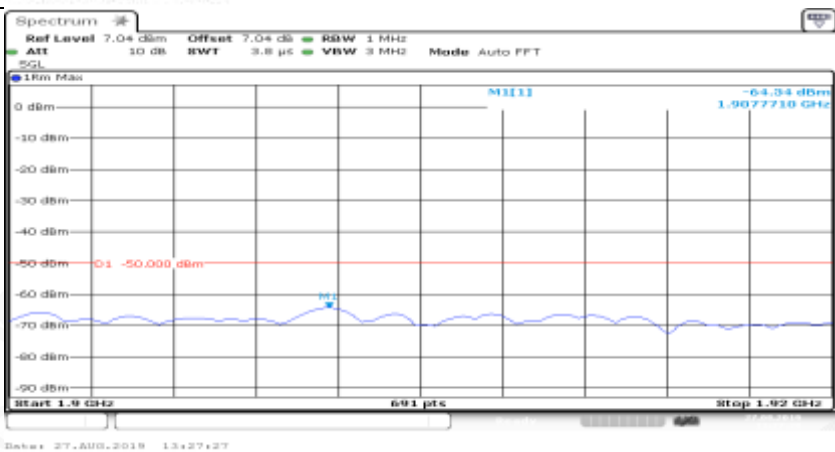


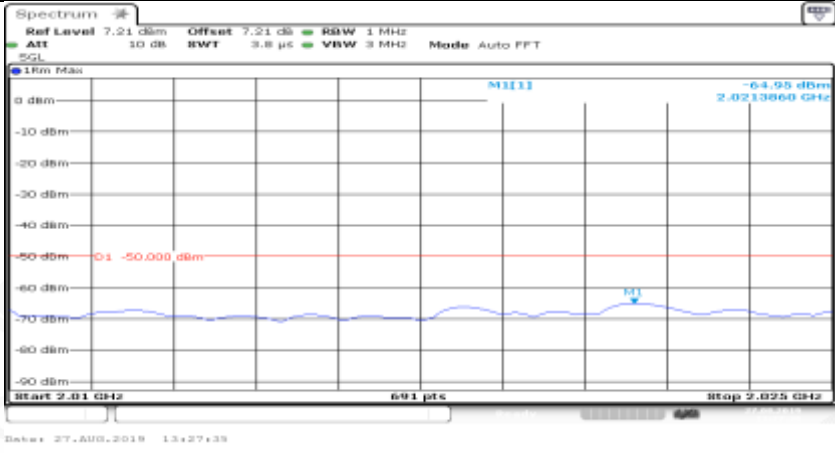

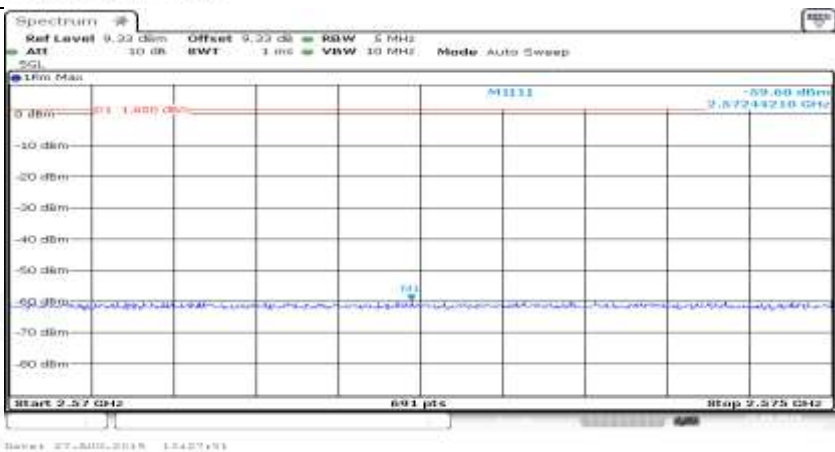
Co-existence	
Co-existence	
Additional	NA

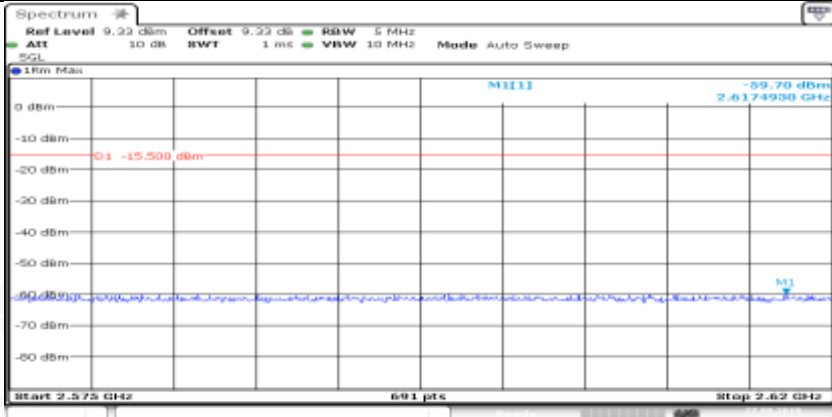
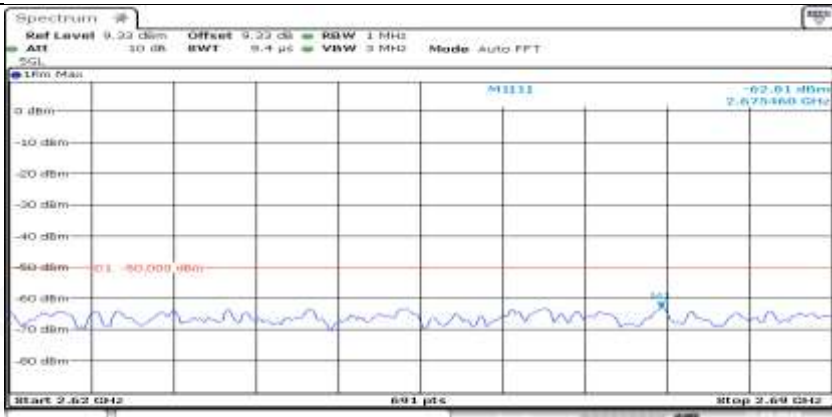
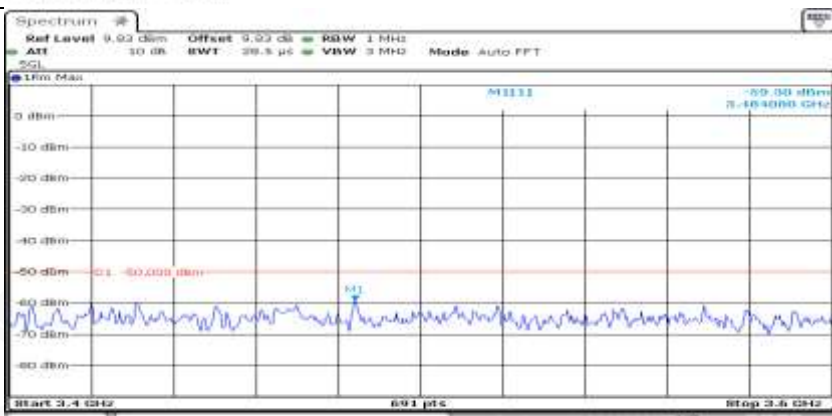
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General	

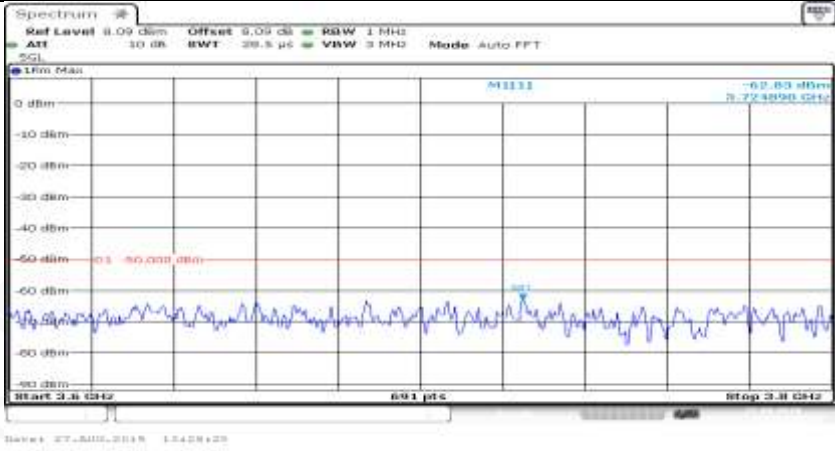
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General	
General	

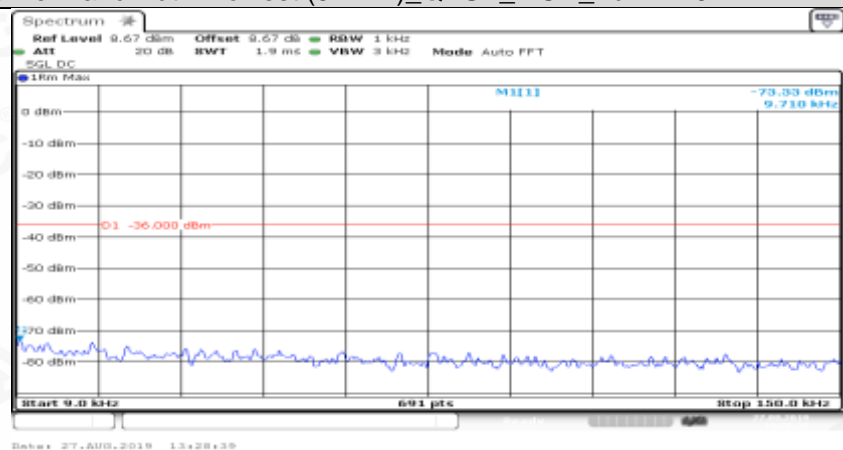
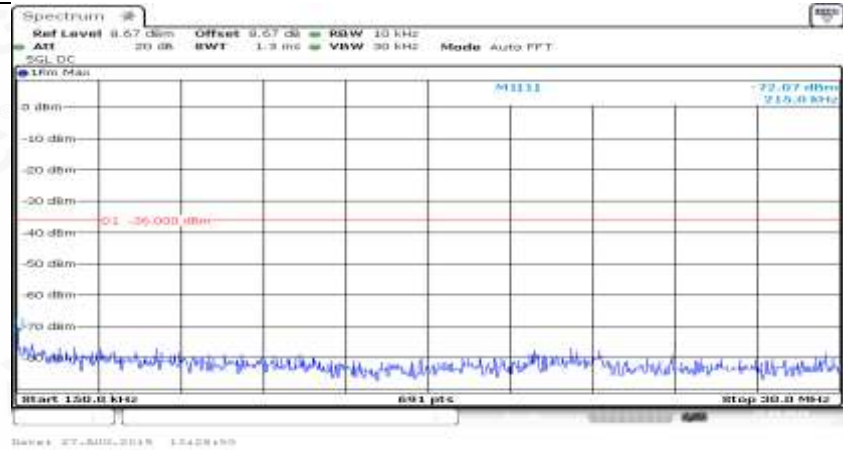
General	
General	
Co-existence	

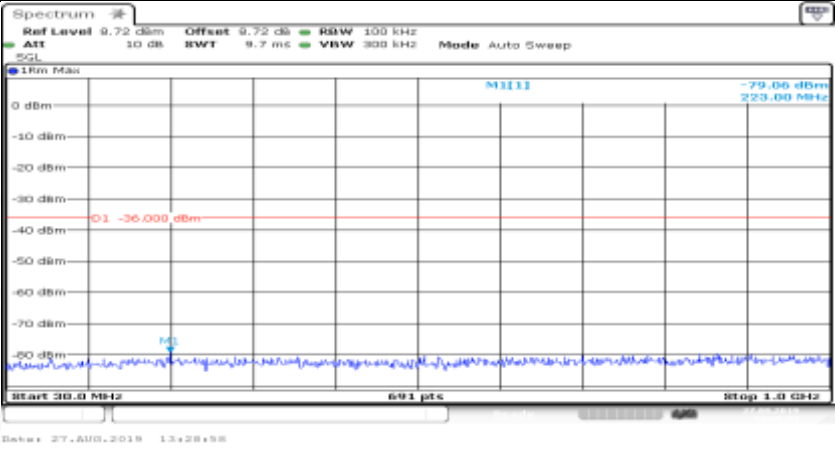
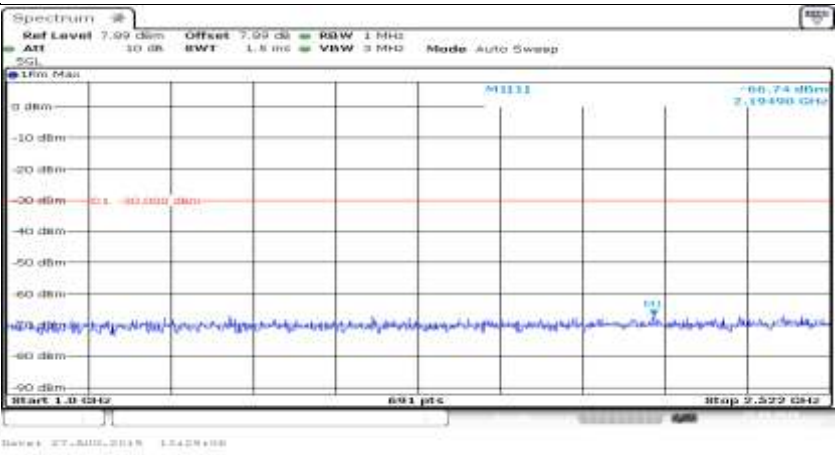
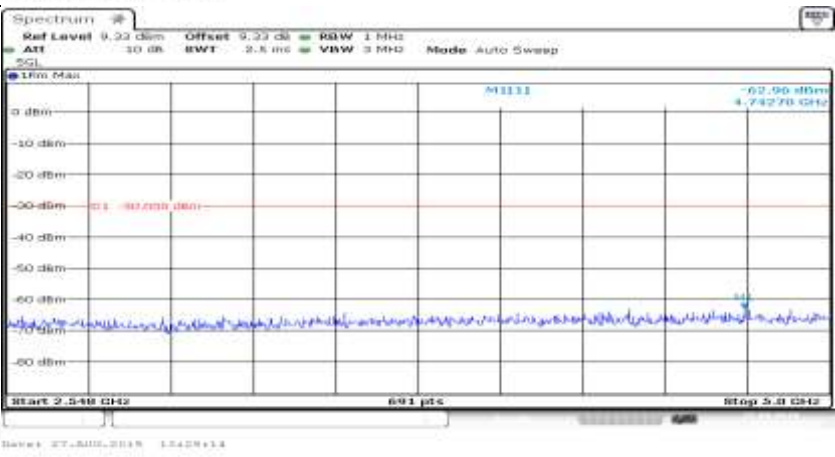
Co-existence	
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Co-existence	

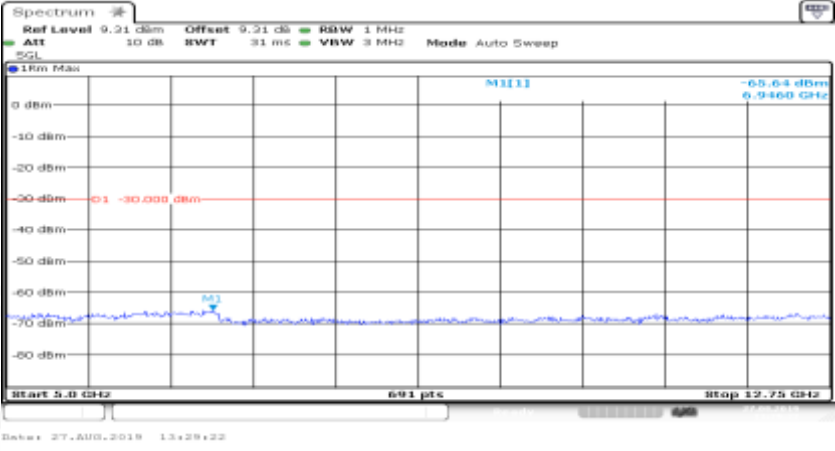
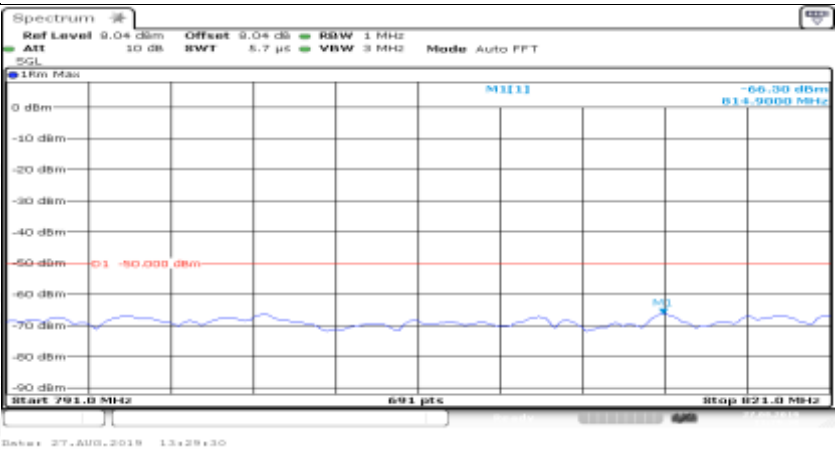
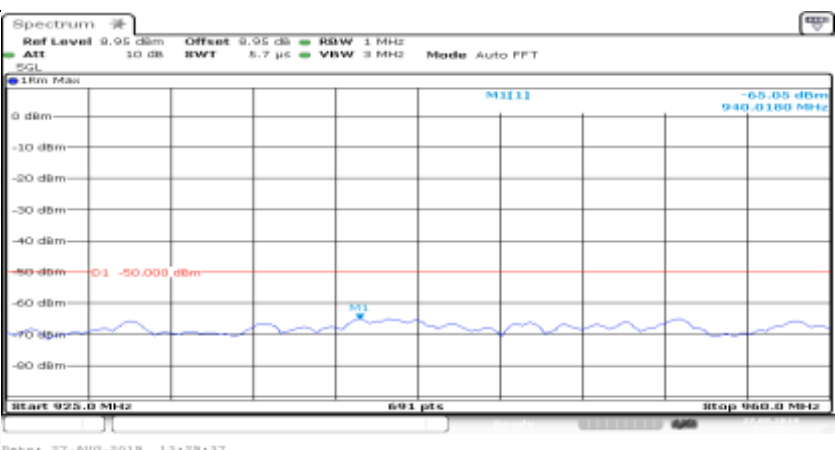
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Co-existence	


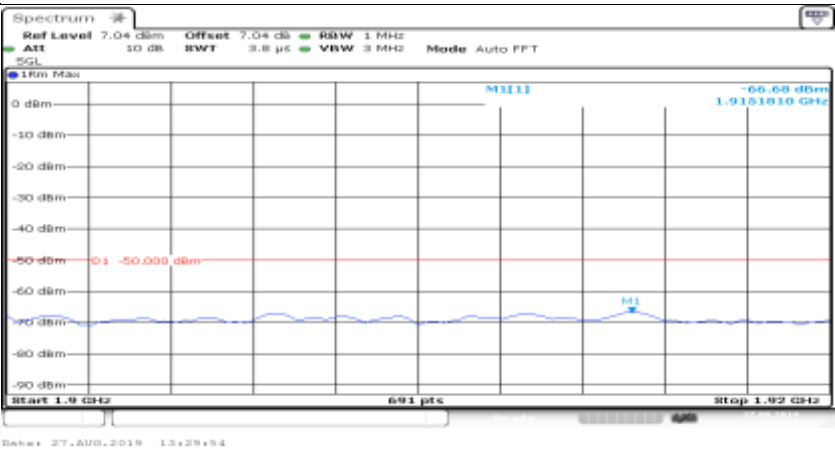
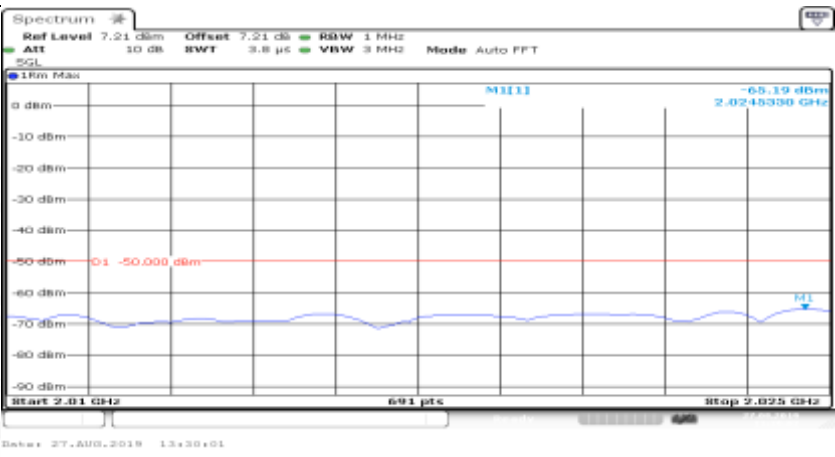
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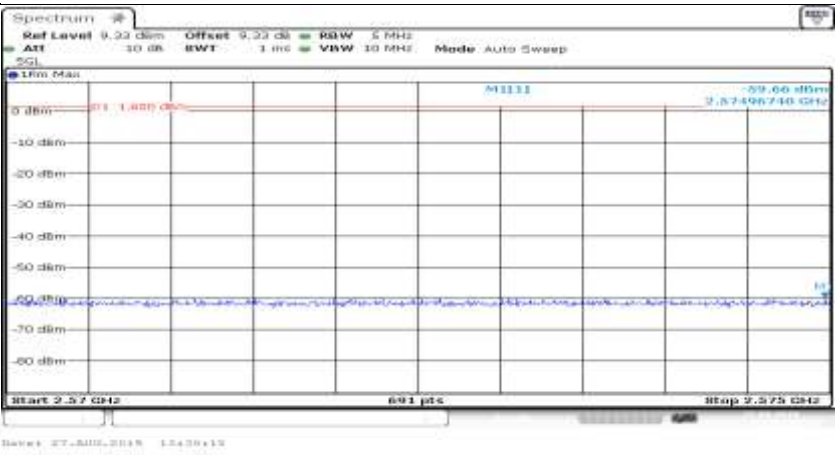
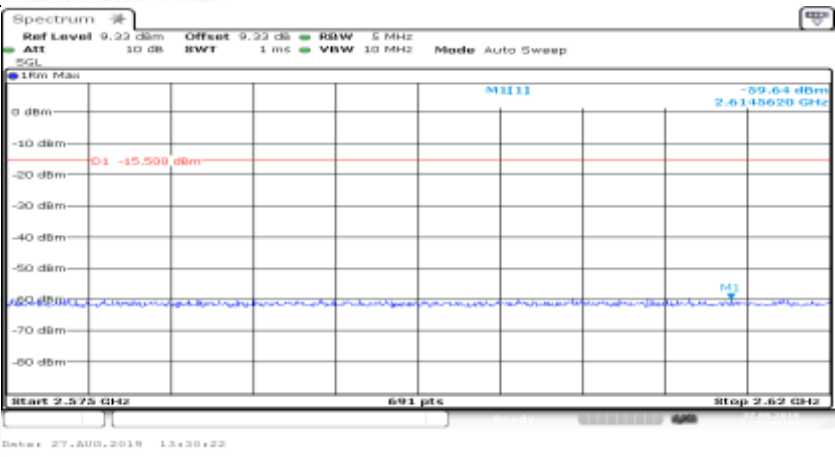
Co-existence	
Additional	NA


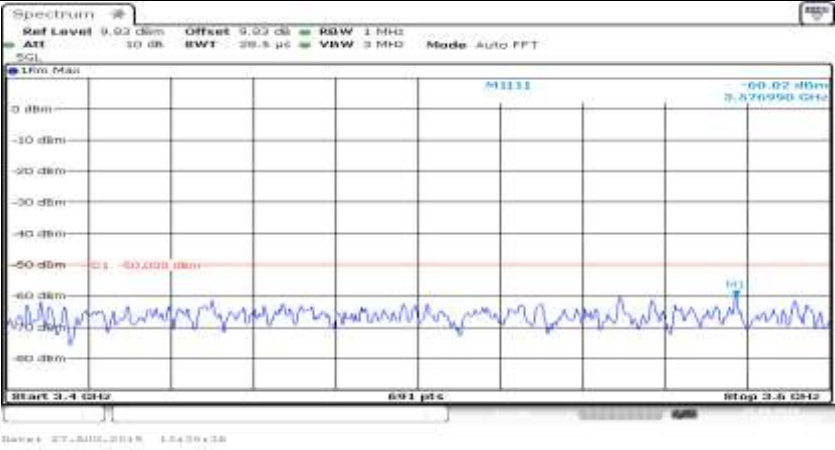
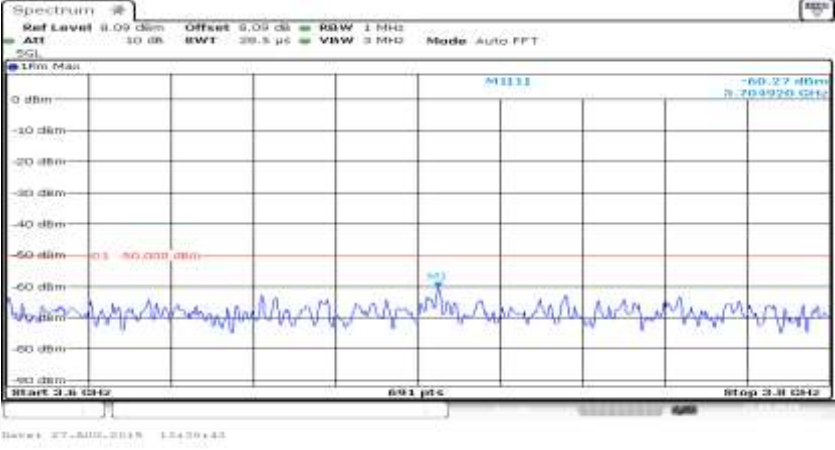
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	
General	

General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz ATT 10 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>M1111</p> <p>-36.000 dBm</p> <p>220.00 MHz</p> <p>Start 20.0 MHz Stop 1.0 GHz</p> <p>601 pts</p> <p>Date: 27.AUG.2019 13:28:55</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz ATT 10 dB SWT 1.8 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>M1111</p> <p>-60.74 dBm</p> <p>2.19490 GHz</p> <p>Start 1.0 GHz Stop 2.522 GHz</p> <p>601 pts</p> <p>Date: 27.AUG.2019 13:42:55</p>
General	 <p>Spectrum</p> <p>Ref Level 9.23 dBm Offset 9.23 dB BW 1 MHz ATT 10 dB SWT 2.8 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>M1111</p> <p>-62.96 dBm</p> <p>4.74270 GHz</p> <p>Start 2.540 GHz Stop 5.8 GHz</p> <p>601 pts</p> <p>Date: 27.AUG.2019 13:42:55</p>

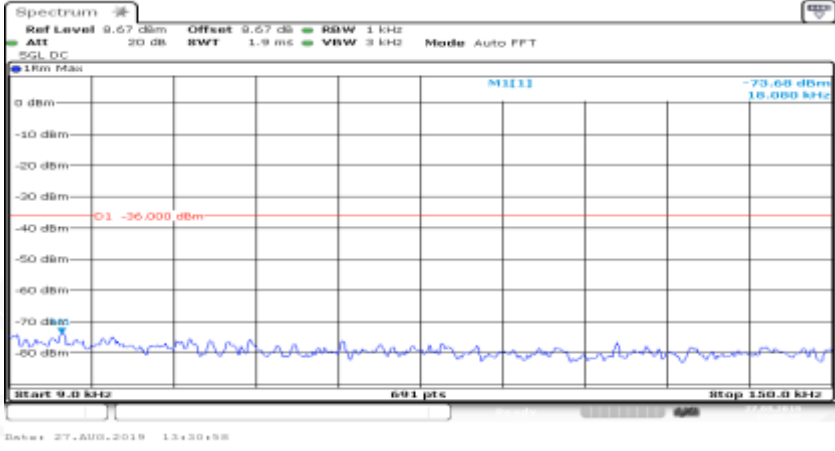
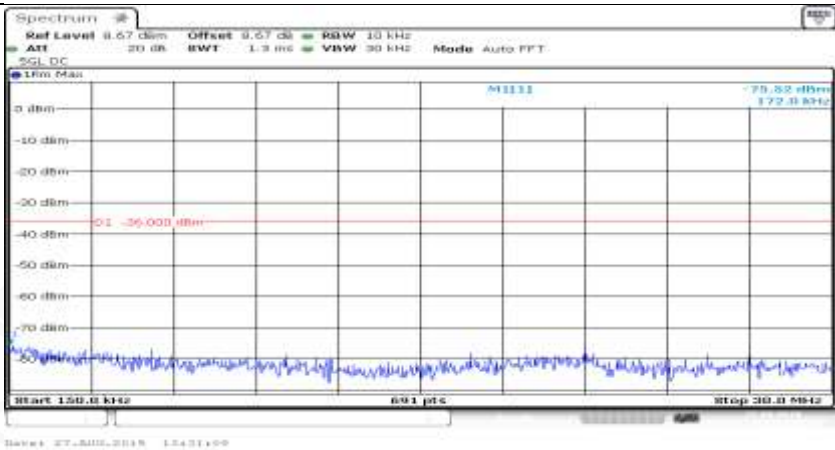
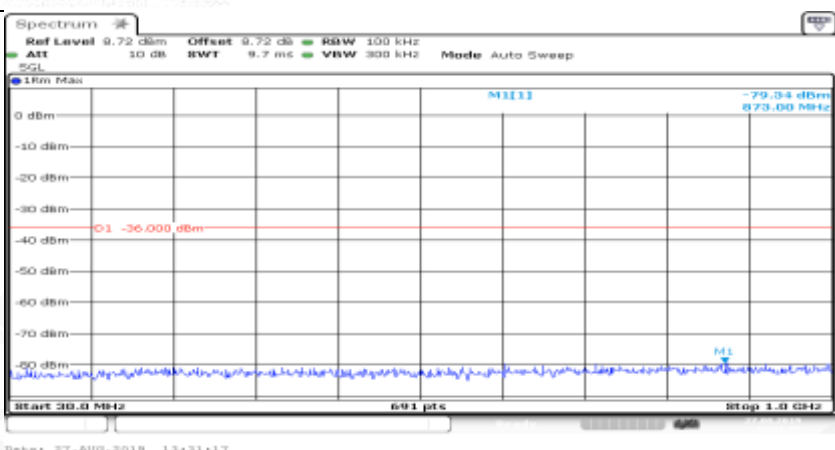
General	
Co-existence	
Co-existence	

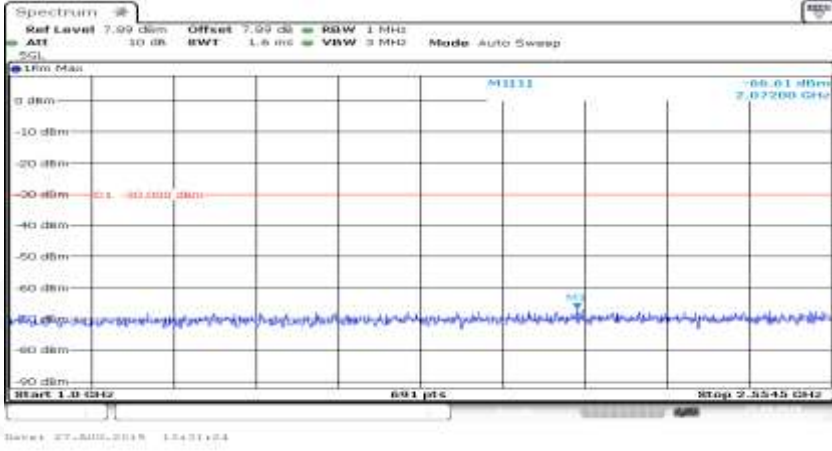
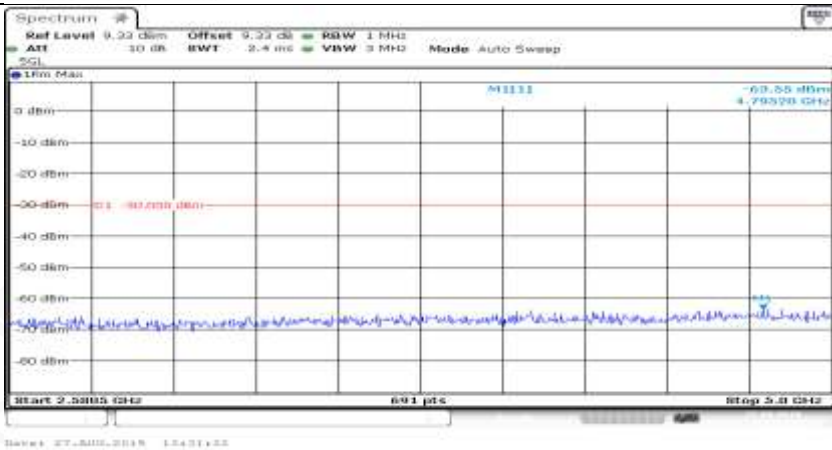
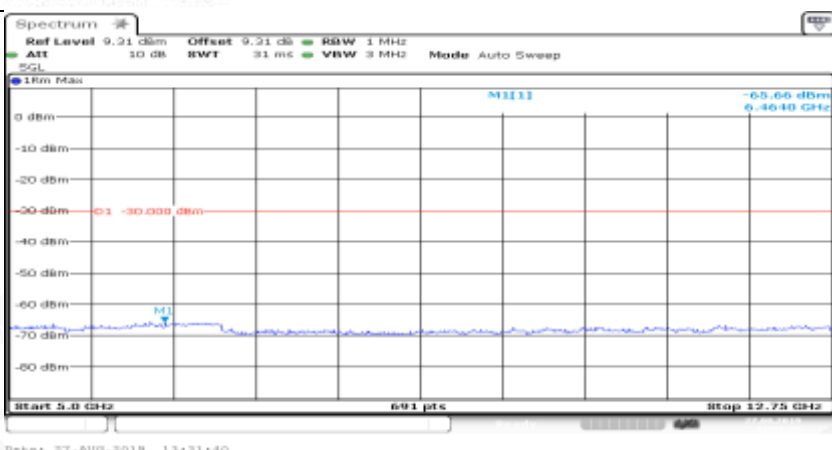
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

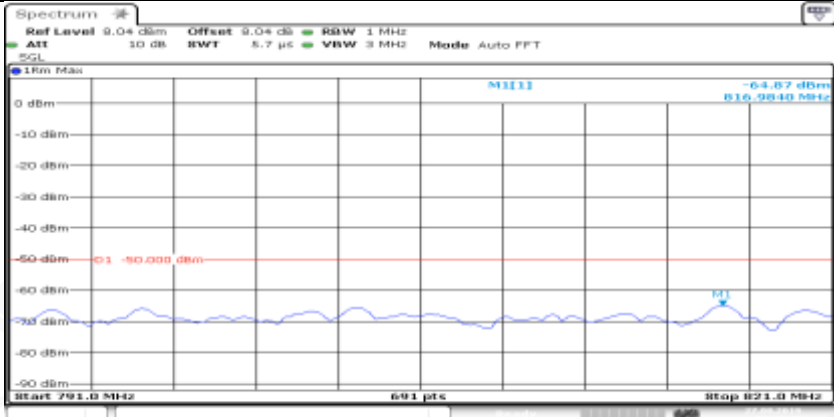
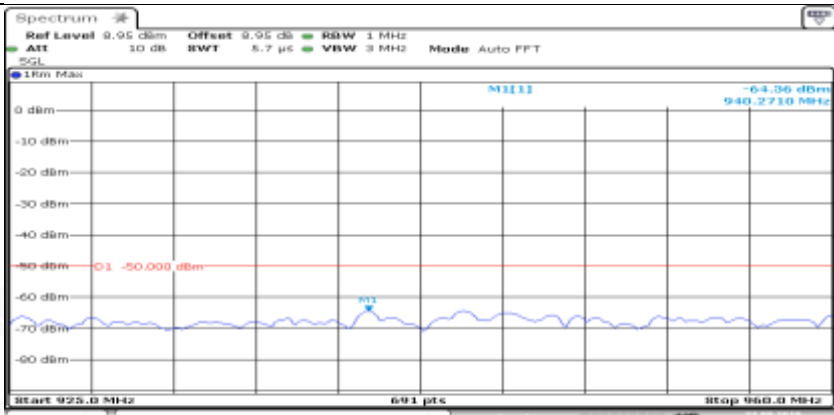
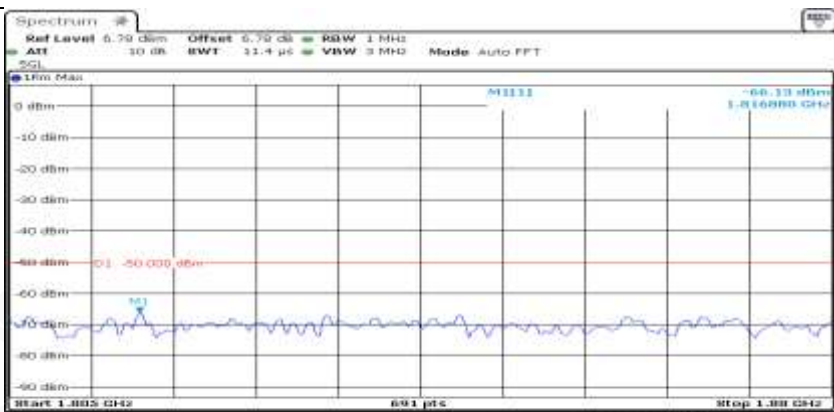
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#0

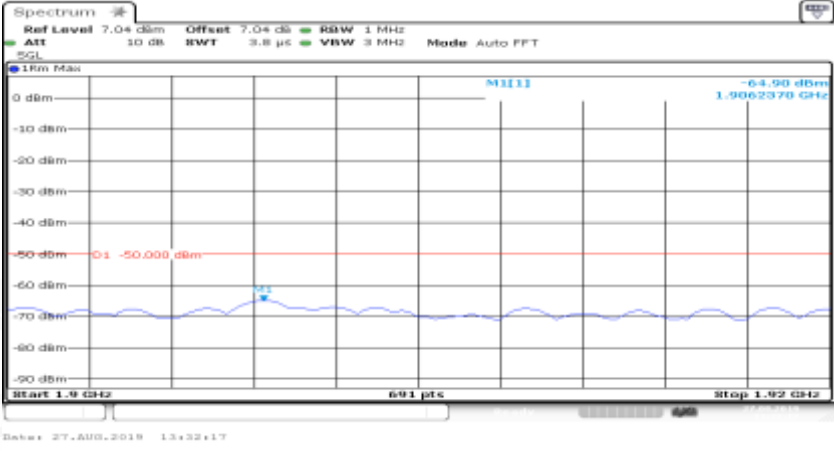
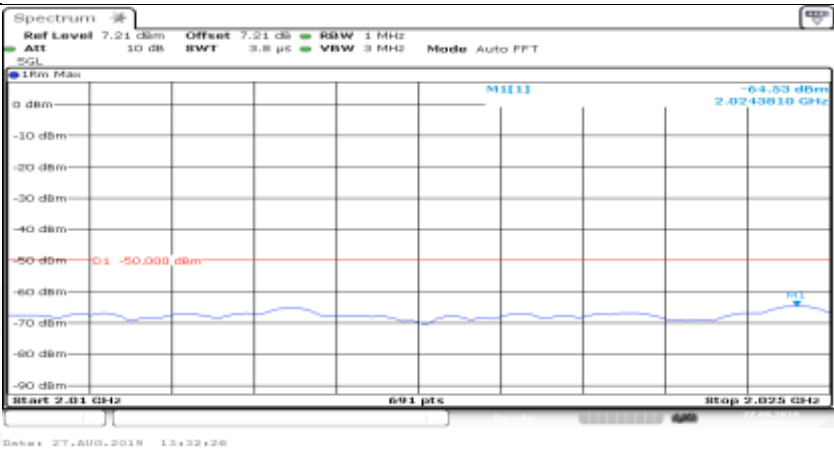
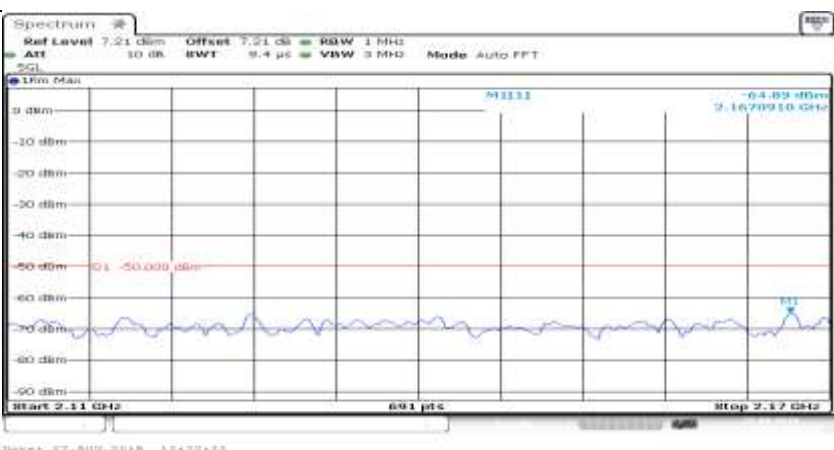
General	
General	
General	

General	
General	
General	

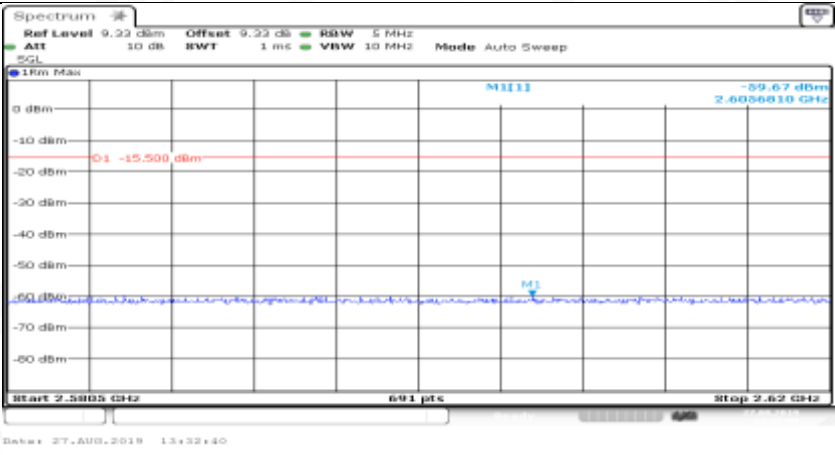




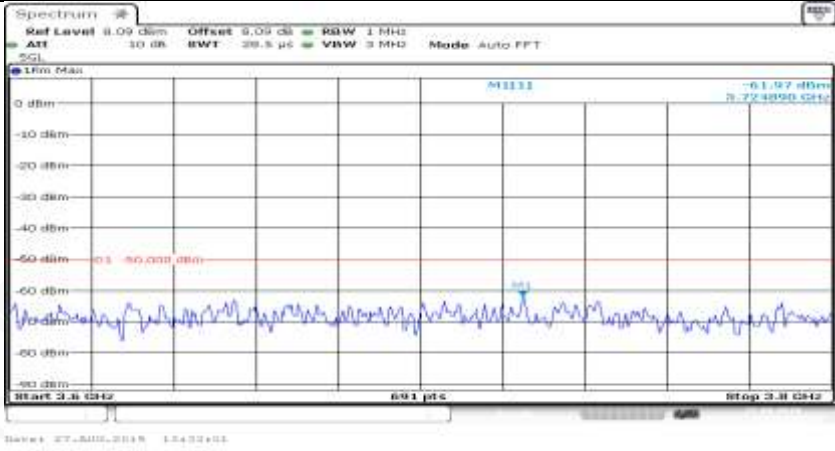
Co-existence	 <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>Start 791.0 MHz 691 pts Stop 821.0 MHz</p> <p>Peak: -64.67 dBm at 816.9840 MHz</p>
Co-existence	 <p>Ref Level 9.95 dBm Offset 9.95 dB RBW 1 MHz ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>Start 925.0 MHz 691 pts Stop 955.0 MHz</p> <p>Peak: -64.36 dBm at 940.2710 MHz</p>
Co-existence	 <p>Ref Level 6.79 dBm Offset 6.79 dB RBW 1 MHz ATT 10 dB BW 31.4 μs VBW 3 MHz Mode Auto FFT</p> <p>Start 1.3005 GHz 691 pts Stop 1.301 GHz</p> <p>Peak: -66.13 dBm at 1.300800 GHz</p>

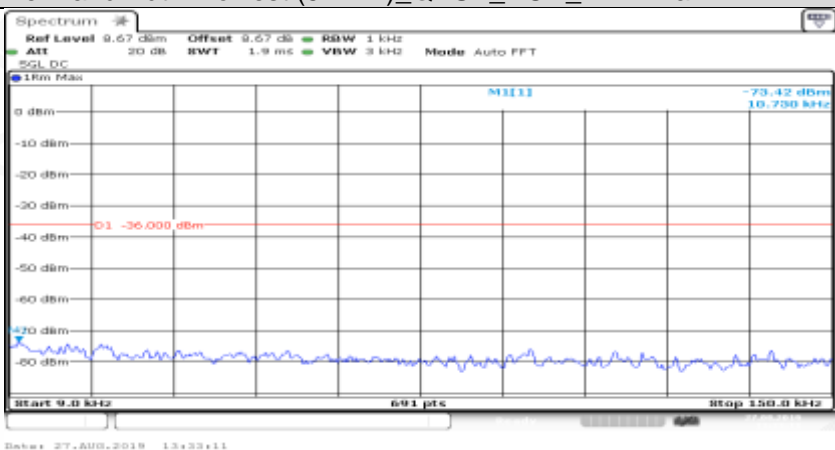
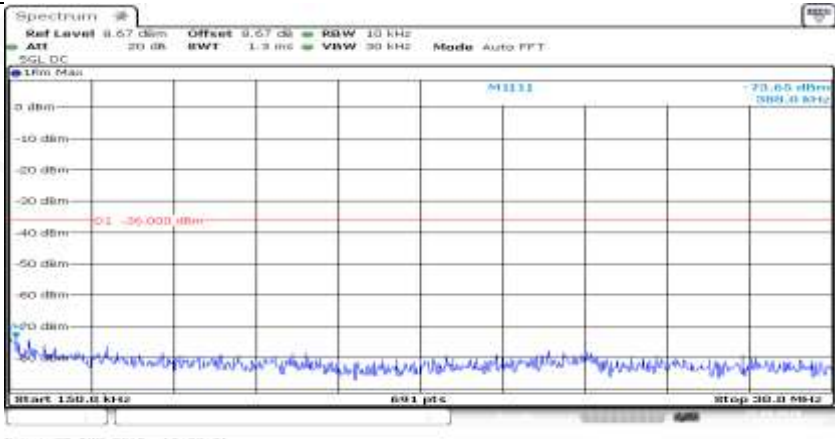


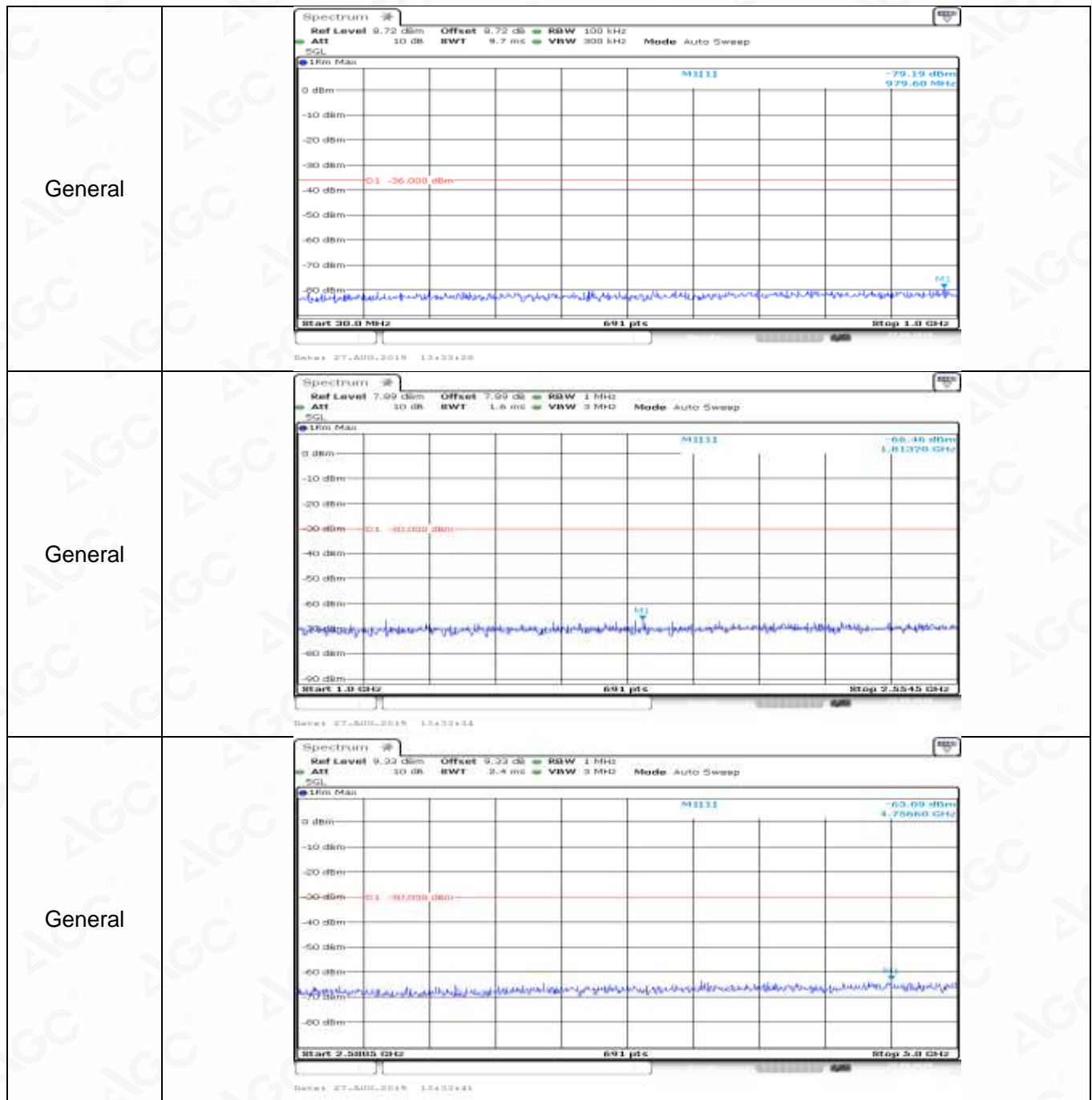
Co-existence	
Co-existence	
Co-existence	

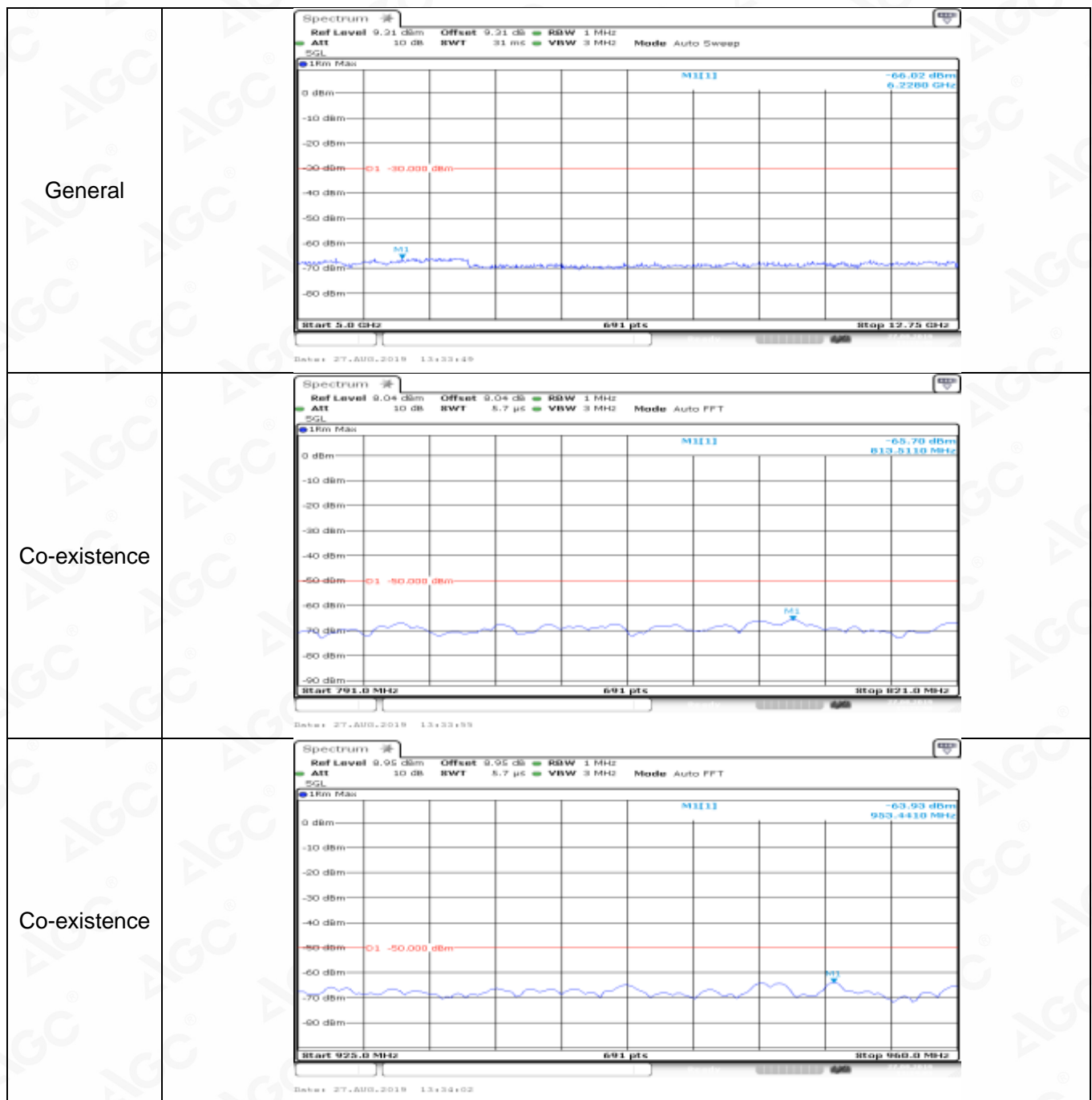



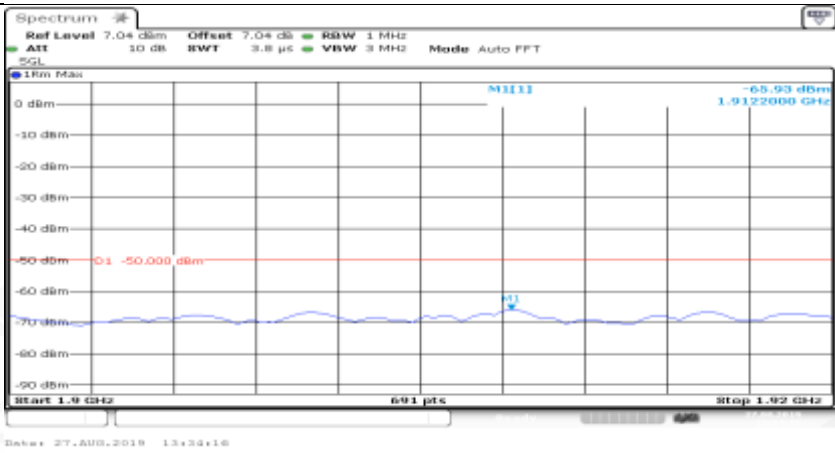
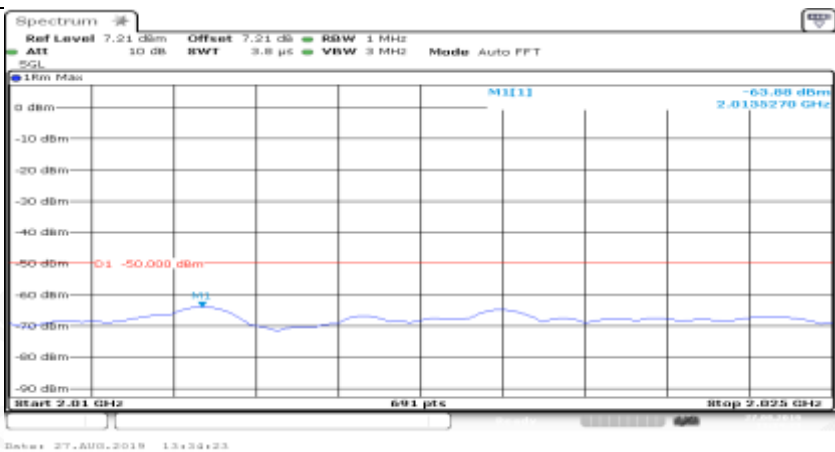
Co-existence	
Co-existence	
Co-existence	


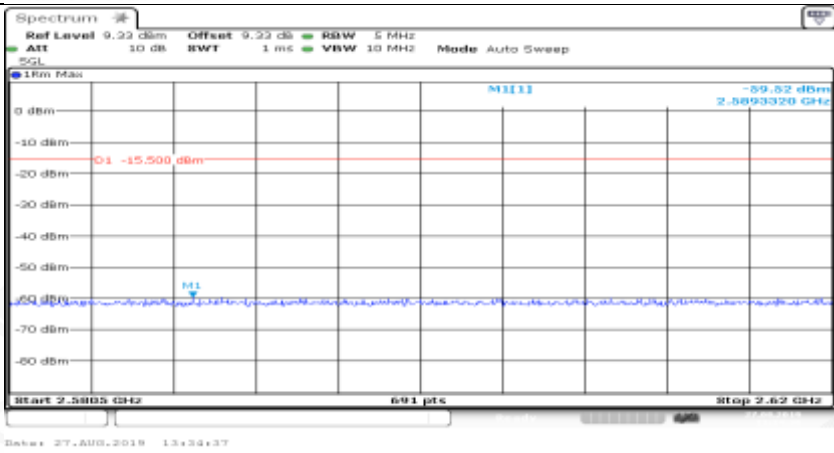
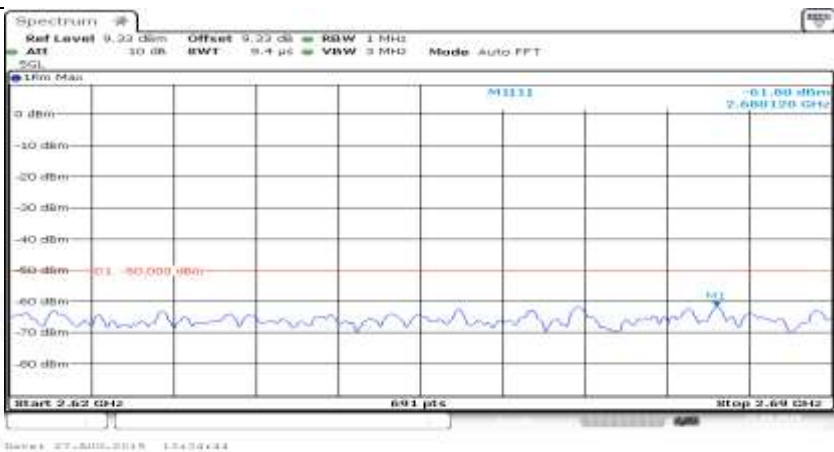
Co-existence	
Additional	NA

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


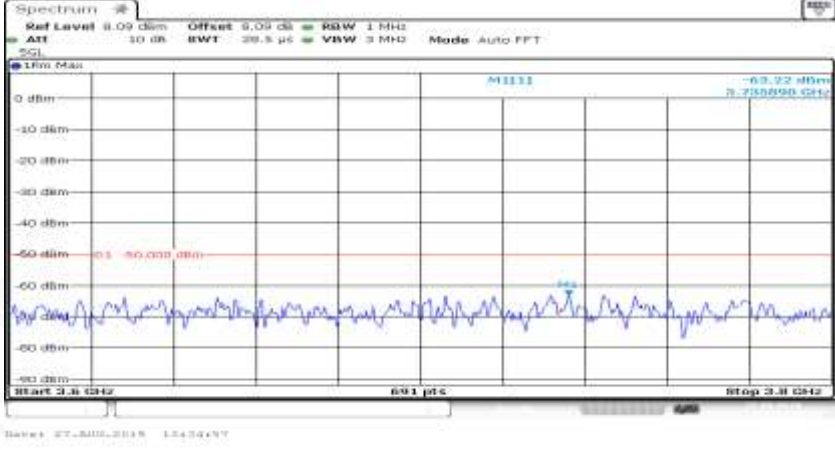


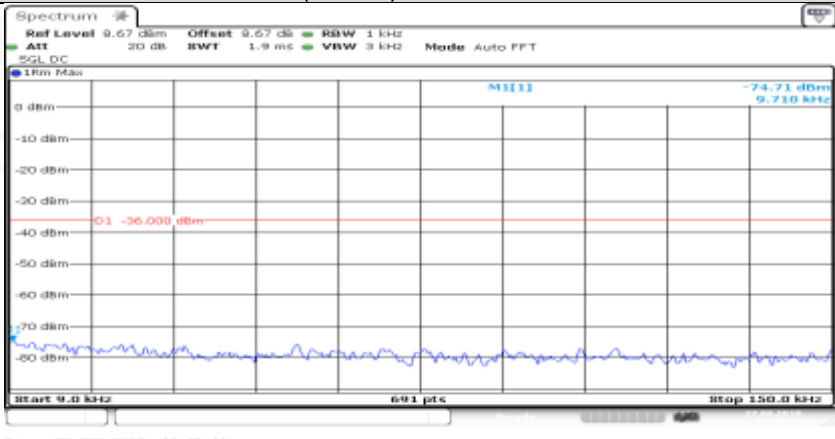


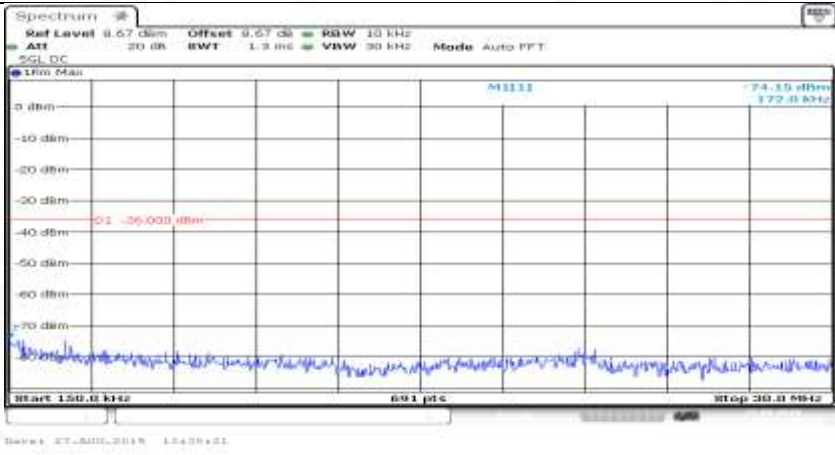
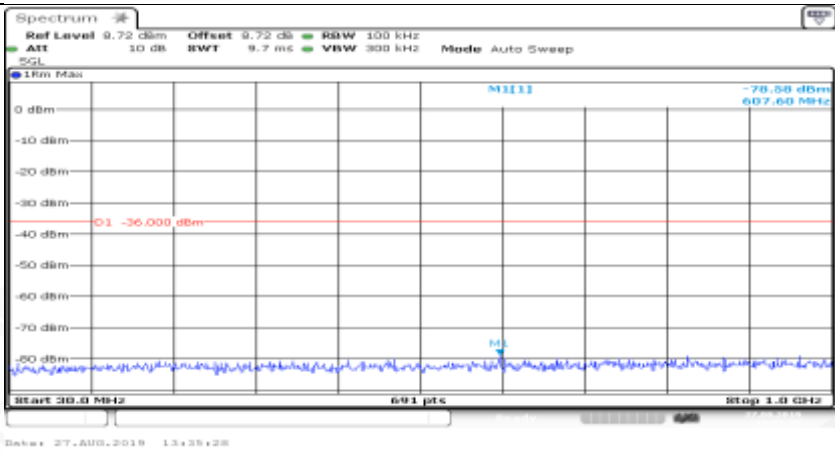
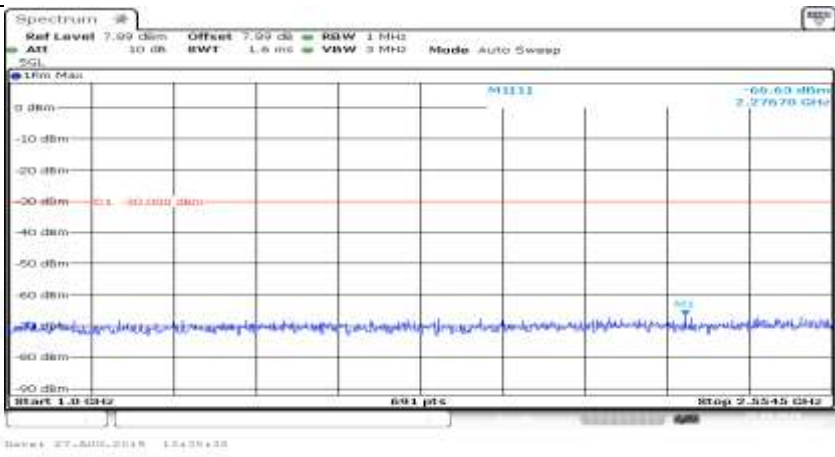
Co-existence	
Co-existence	
Co-existence	

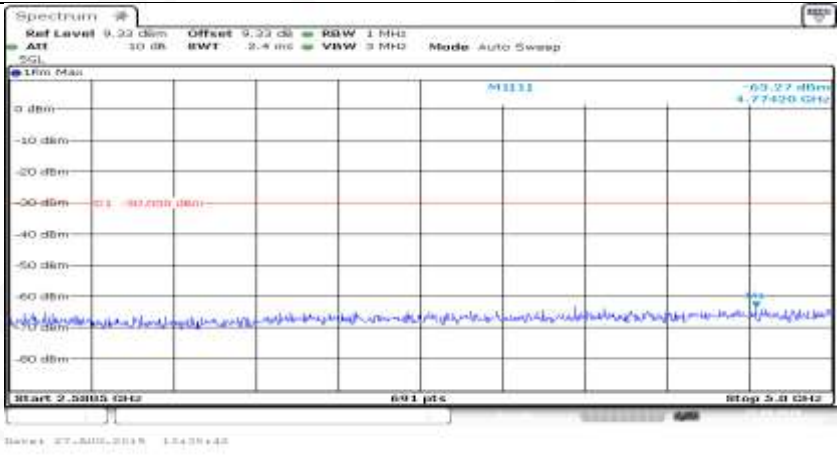
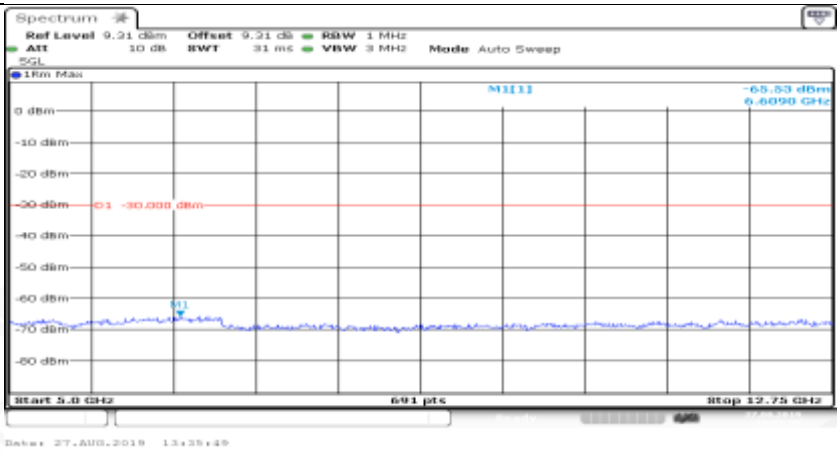
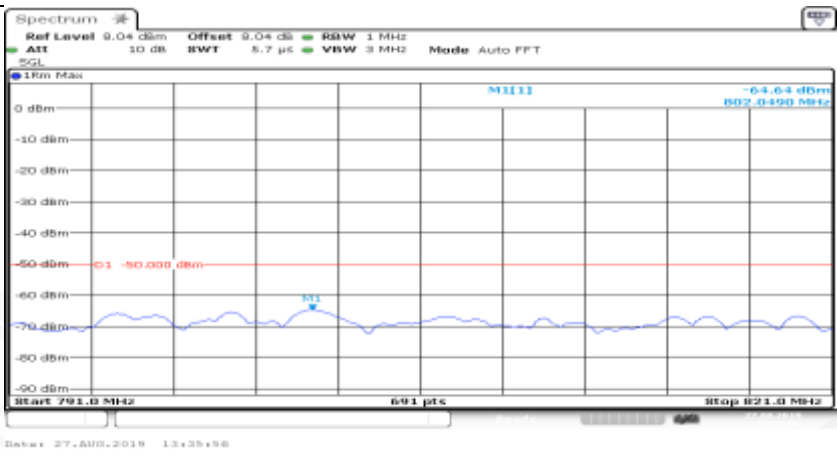
Co-existence	
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Co-existence	

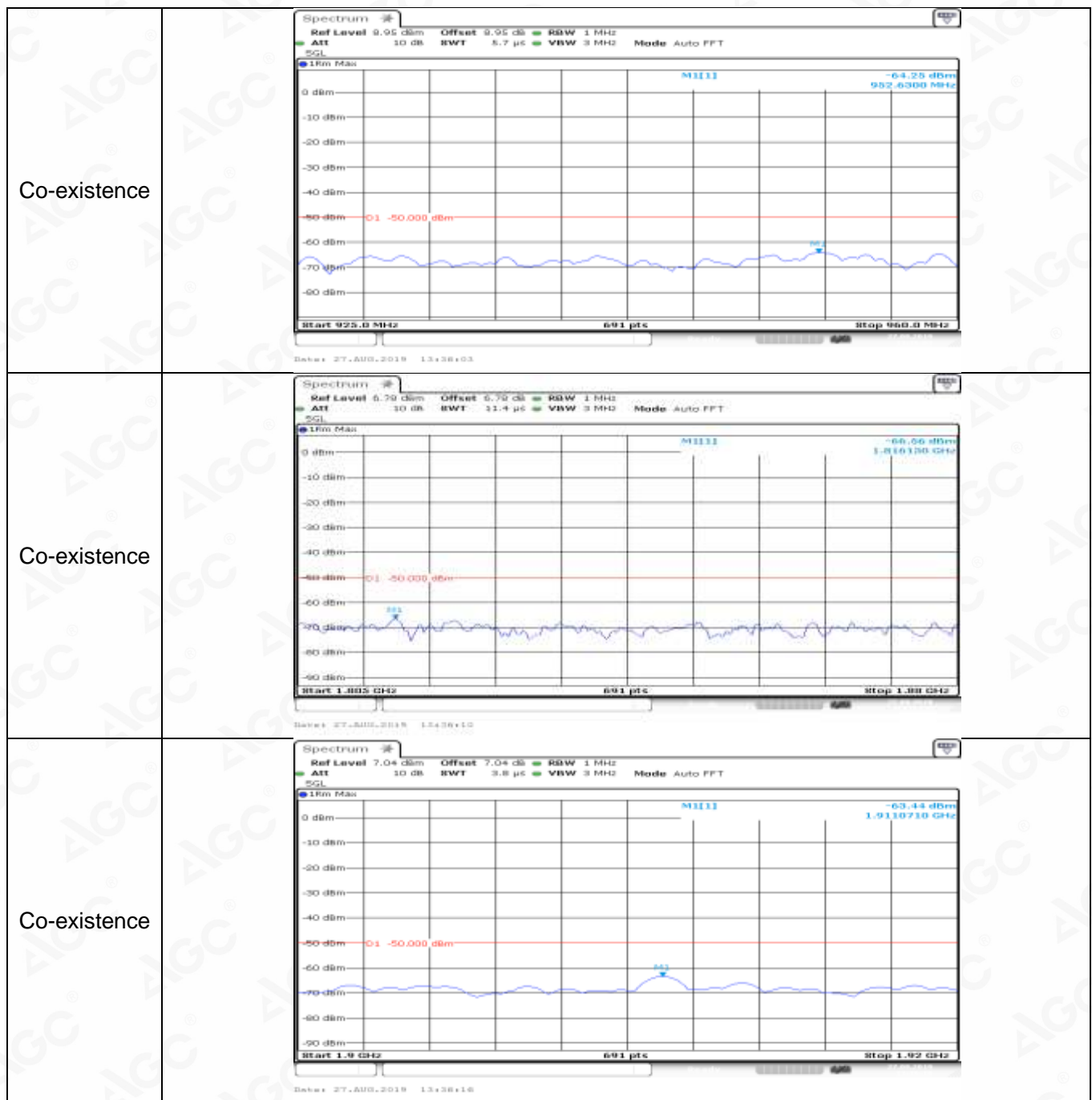


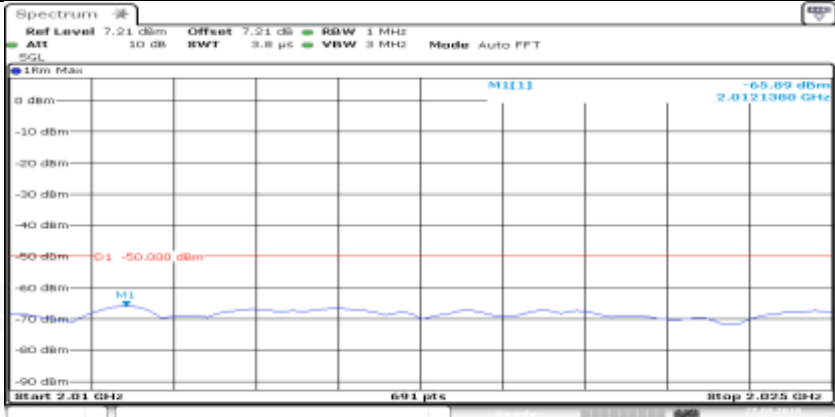

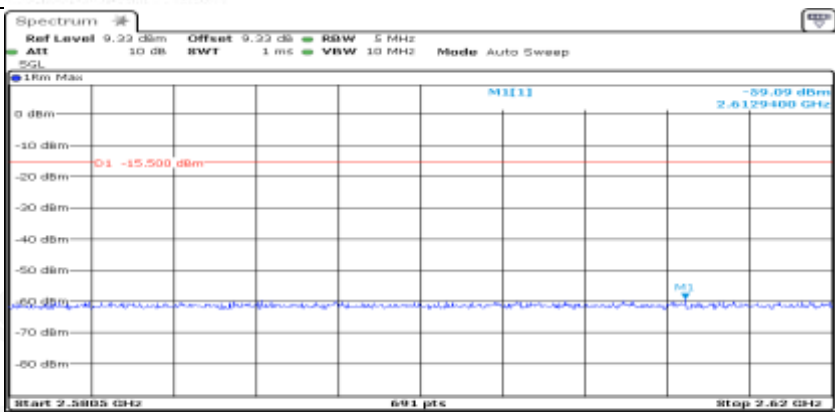
Co-existence	
Co-existence	
Additional	NA

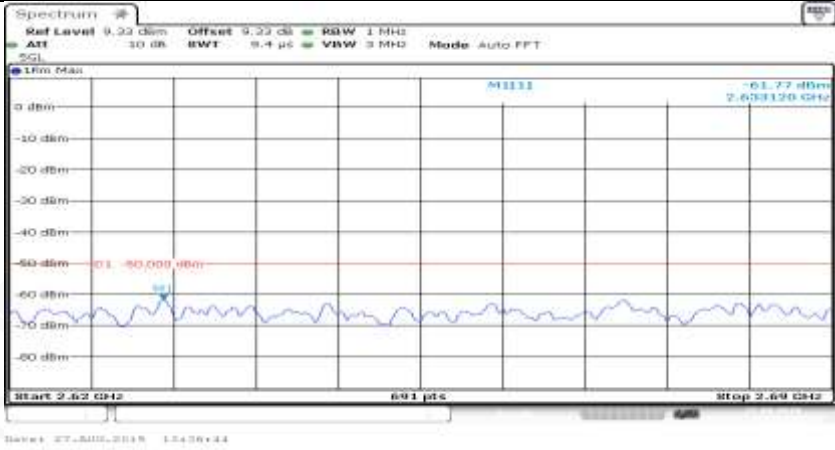
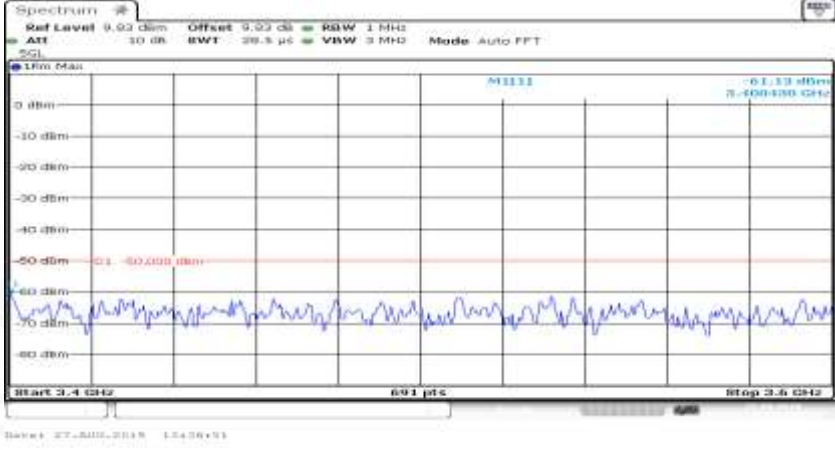

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
General	

General	
General	
General	

General	
General	
Co-existence	

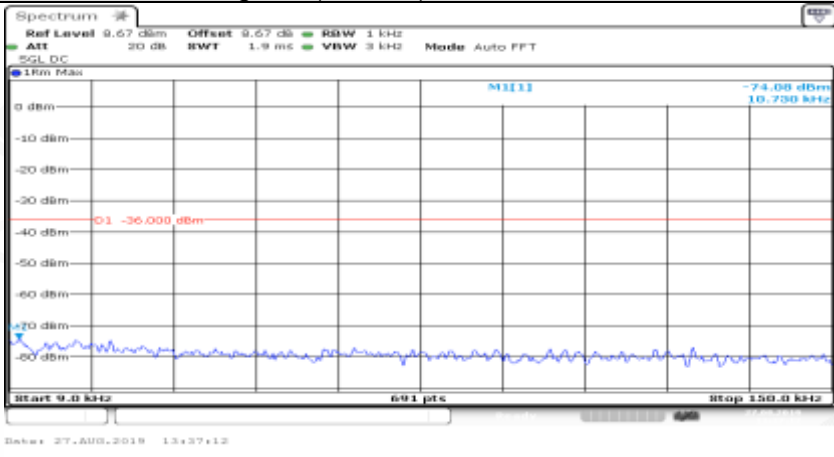
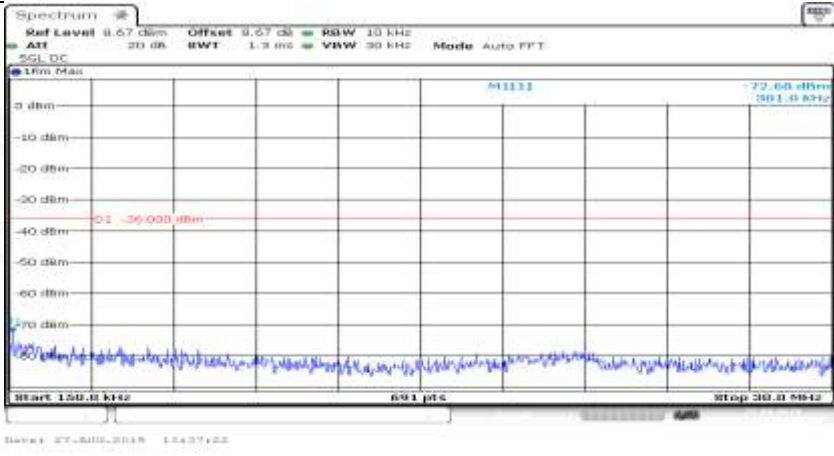
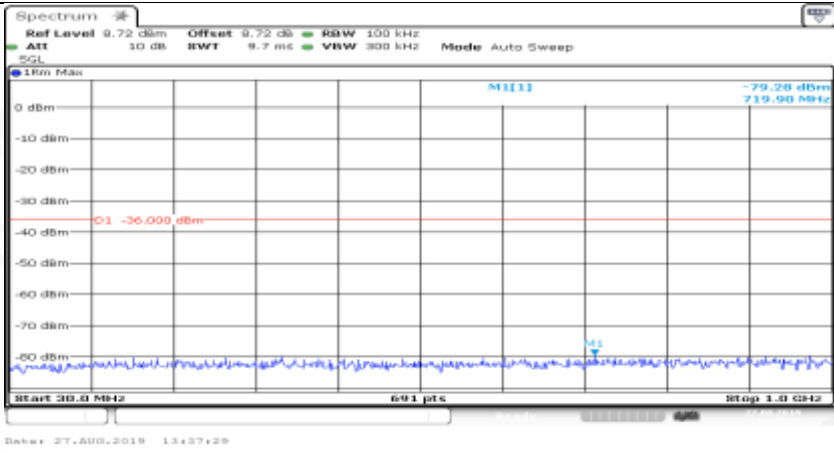


Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M111 -65.89 dBm 2.0121380 GHz</p> <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 27.AUG.2018 13:38:23</p>
Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M111 -65.89 dBm 2.111000 GHz</p> <p>Start 2.11 GHz 691 pts Stop 2.12 GHz</p> <p>Date: 27.AUG.2018 13:38:23</p>
Co-existence	 <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 5 MHz ATT 10 dB BW 1 ms VBW 10 MHz Mode Auto Sweep</p> <p>M111 -65.89 dBm 2.5129400 GHz</p> <p>Start 2.5005 GHz 691 pts Stop 2.52 GHz</p> <p>Date: 27.AUG.2018 13:38:27</p>

Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0

General	
General	
General	



Attestation of Global Compliance

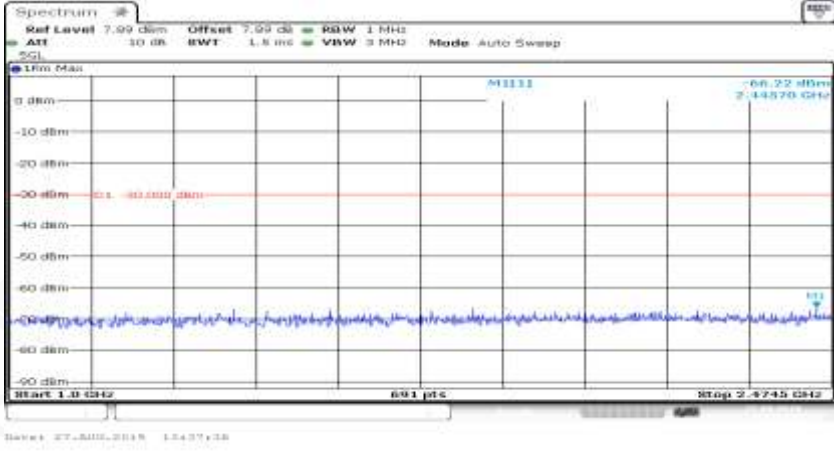
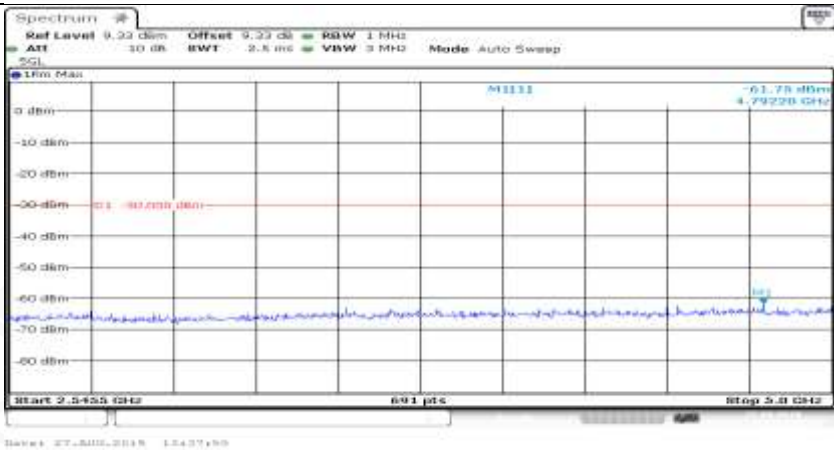
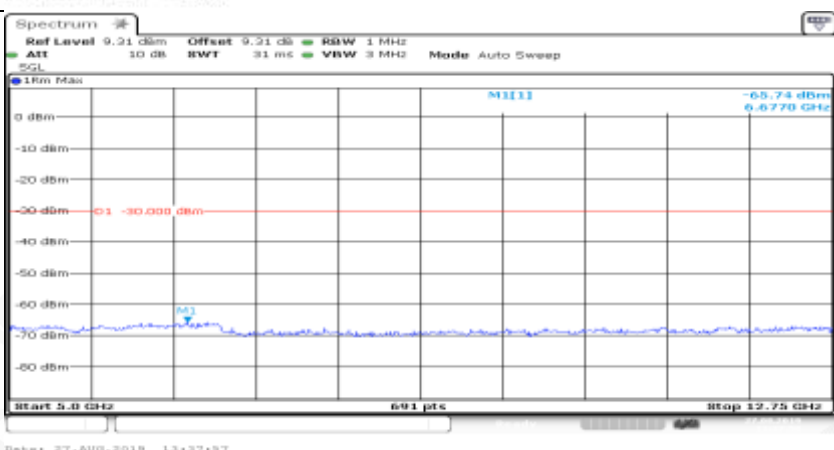
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

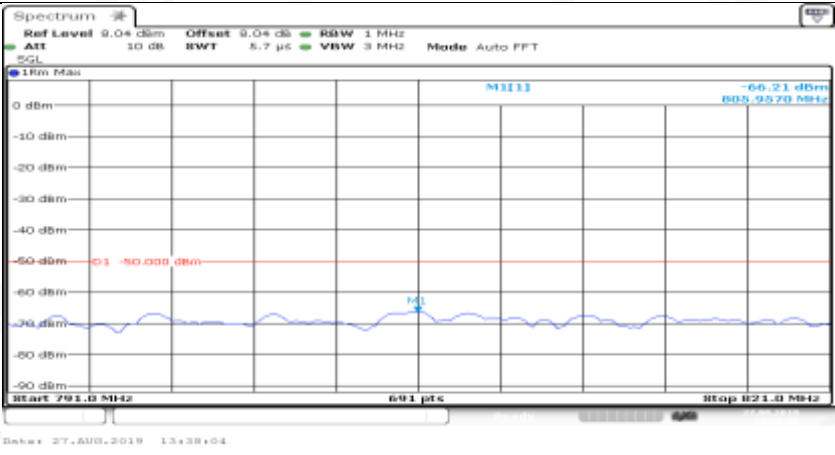
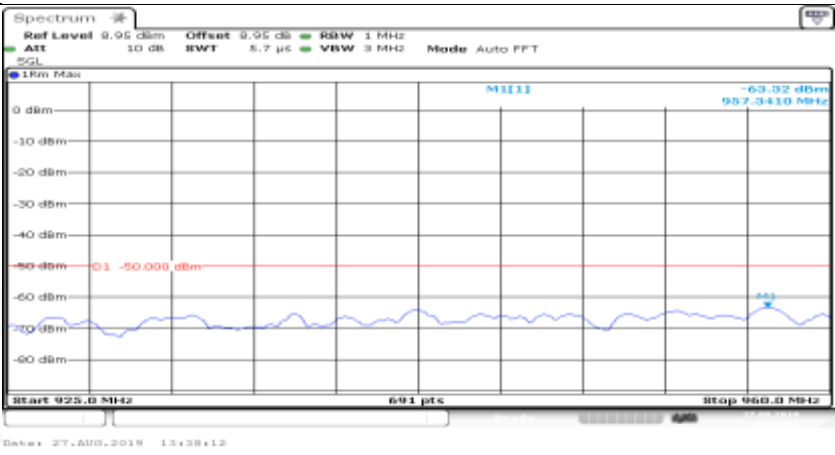
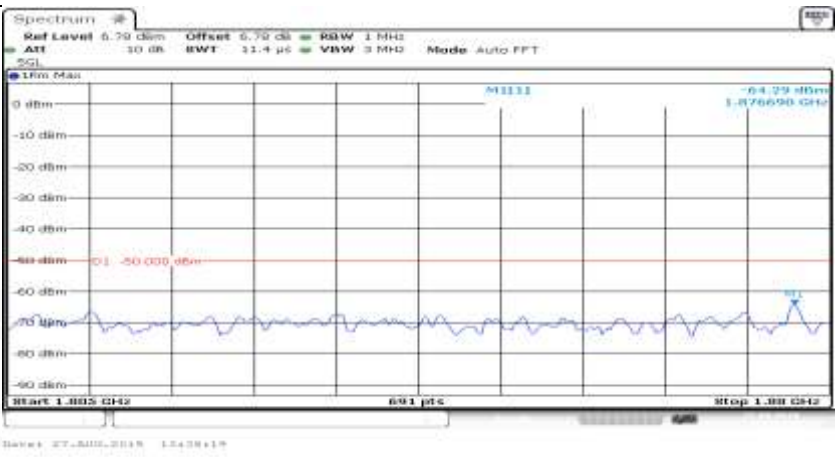
Tel: +86-755 2523 4088

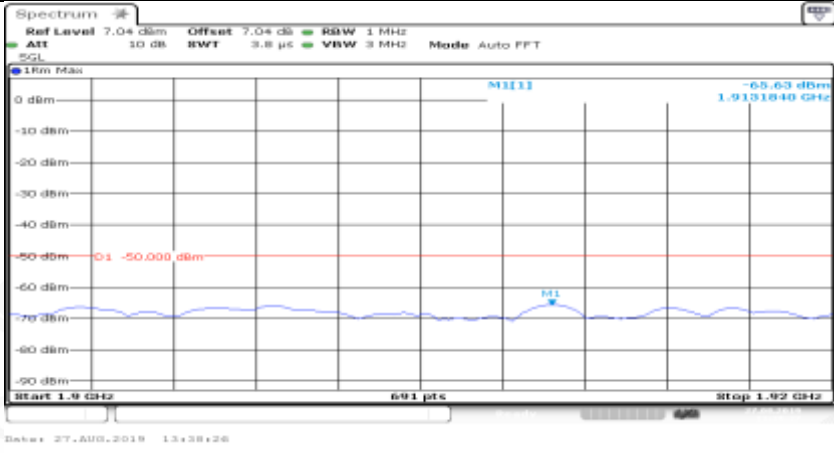
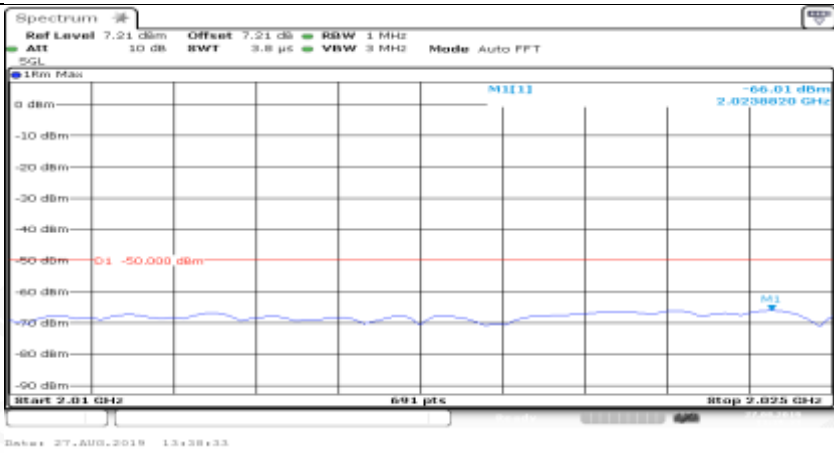
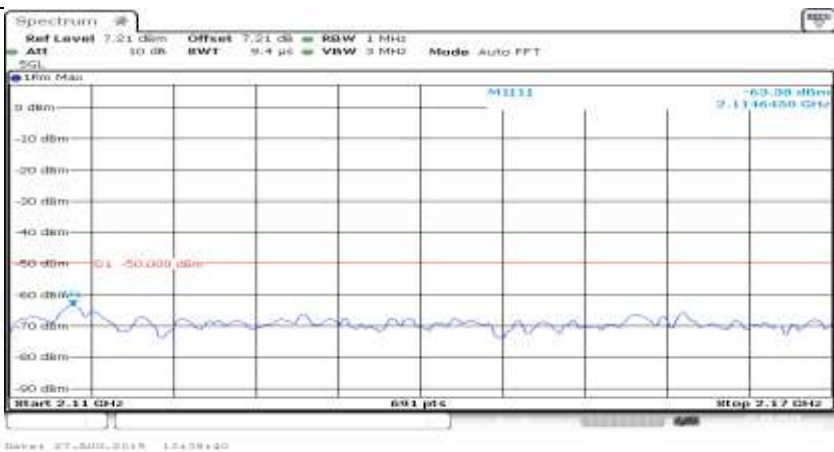
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

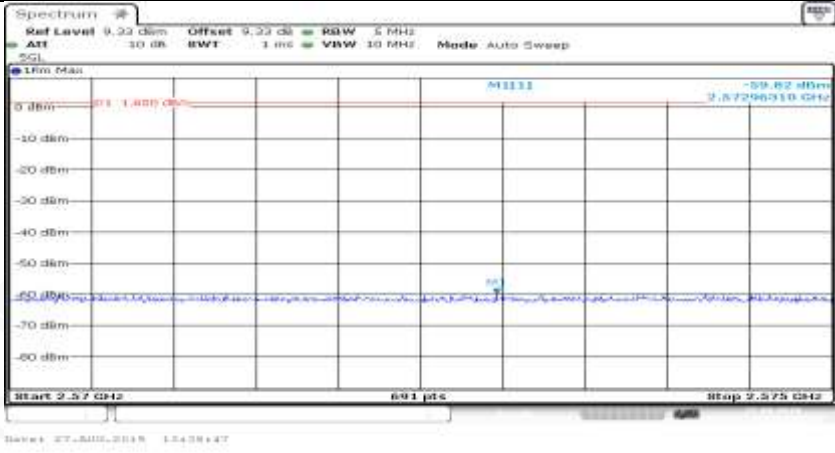
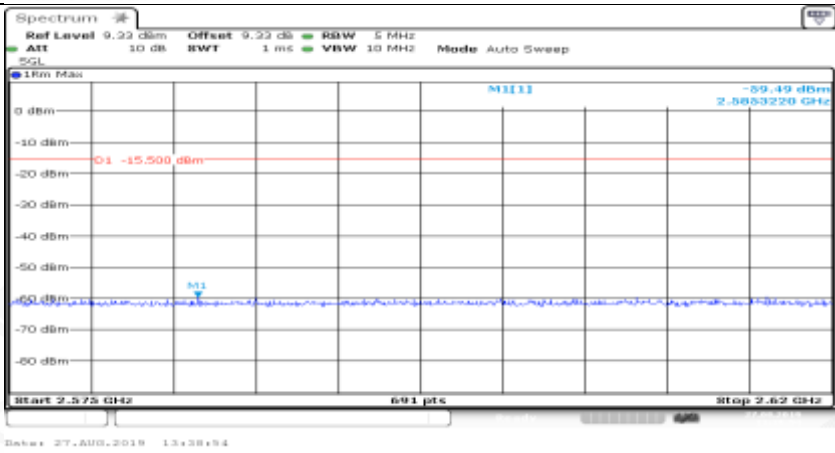

General	 <p>Spectrum plot showing a signal at 2.14570 GHz with a peak level of -66.22 dBm. The plot includes a reference level at 7.99 dBm and a noise floor at -30 dBm. The x-axis ranges from 1.3 GHz to 2.4745 GHz.</p>
General	 <p>Spectrum plot showing a signal at 4.79228 GHz with a peak level of -61.75 dBm. The plot includes a reference level at 9.23 dBm and a noise floor at -30 dBm. The x-axis ranges from 2.5455 GHz to 5.8 GHz.</p>
General	 <p>Spectrum plot showing a signal at 6.6770 GHz with a peak level of -65.74 dBm. The plot includes a reference level at 9.21 dBm and a noise floor at -30 dBm. The x-axis ranges from 5.8 GHz to 12.75 GHz.</p>

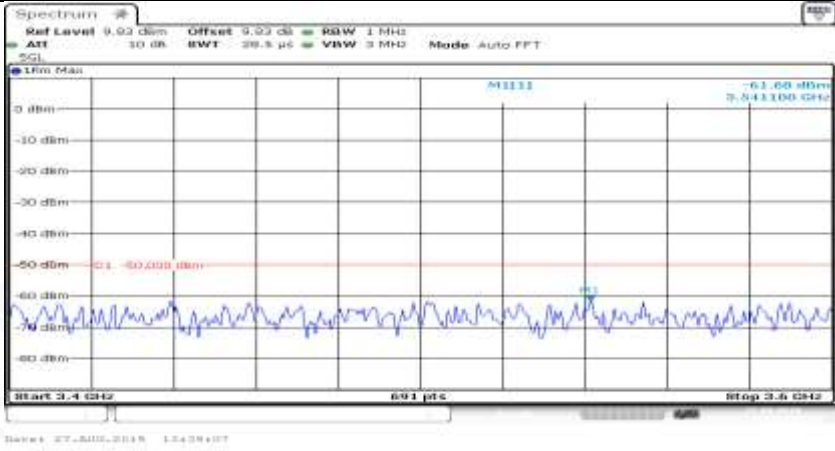
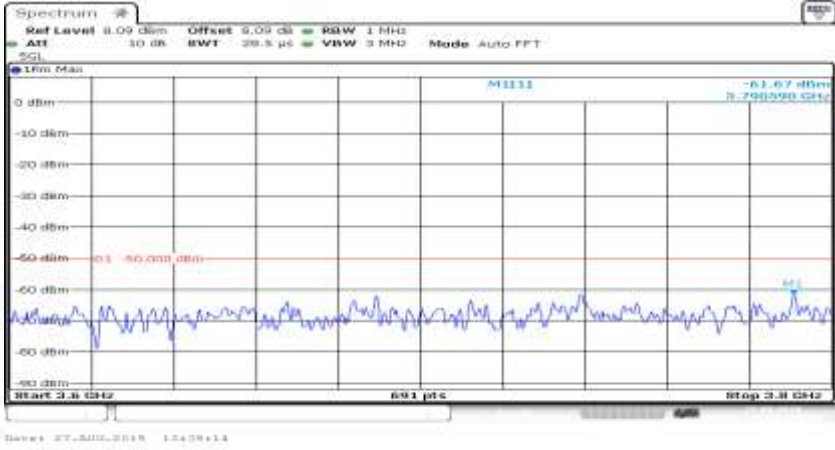


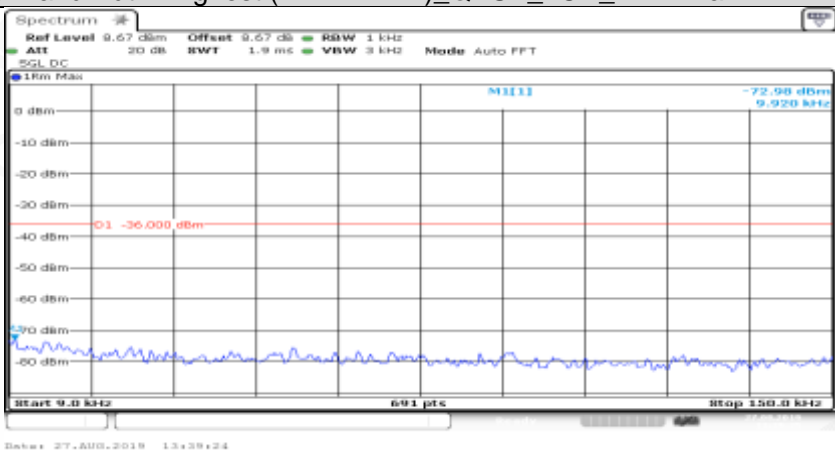
Co-existence	
Co-existence	
Co-existence	

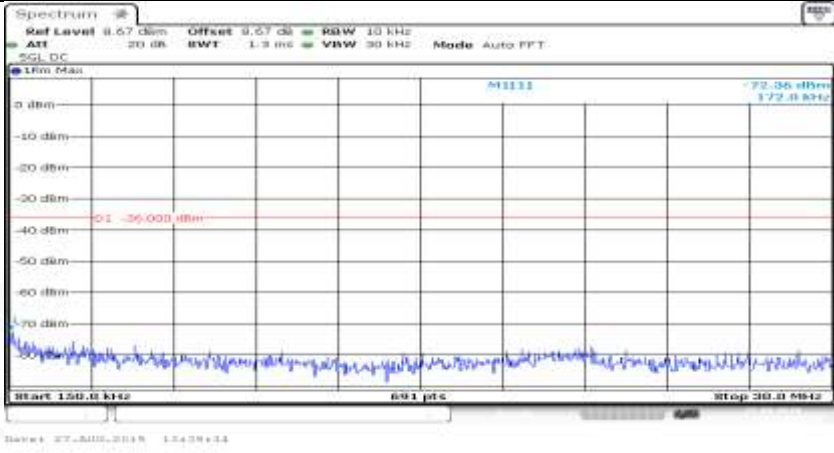
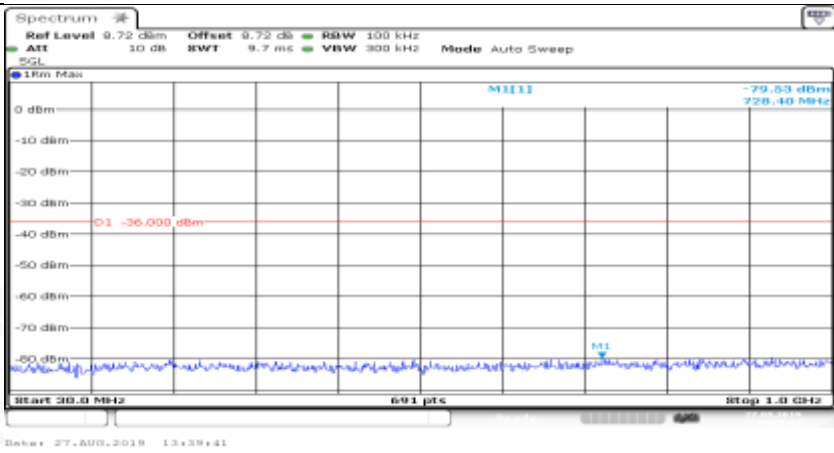
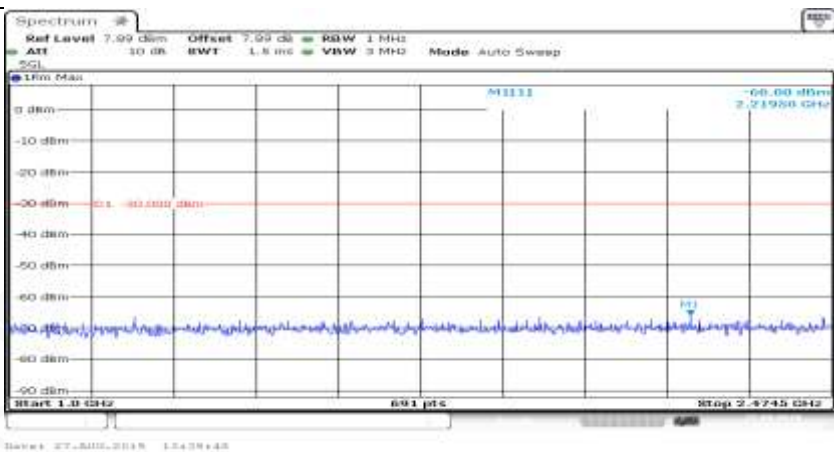
Co-existence	
Co-existence	
Co-existence	



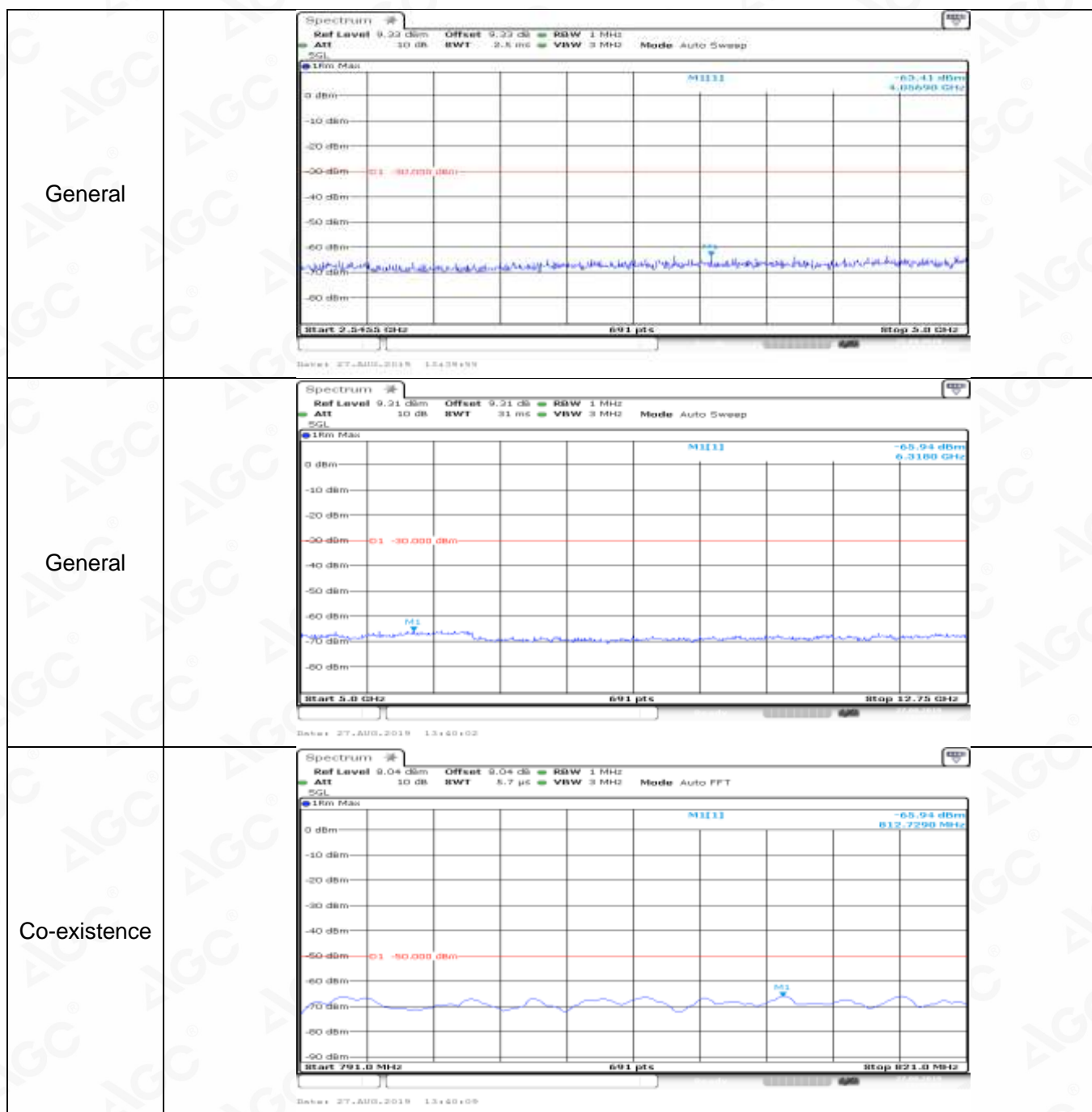
Co-existence	
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Co-existence	

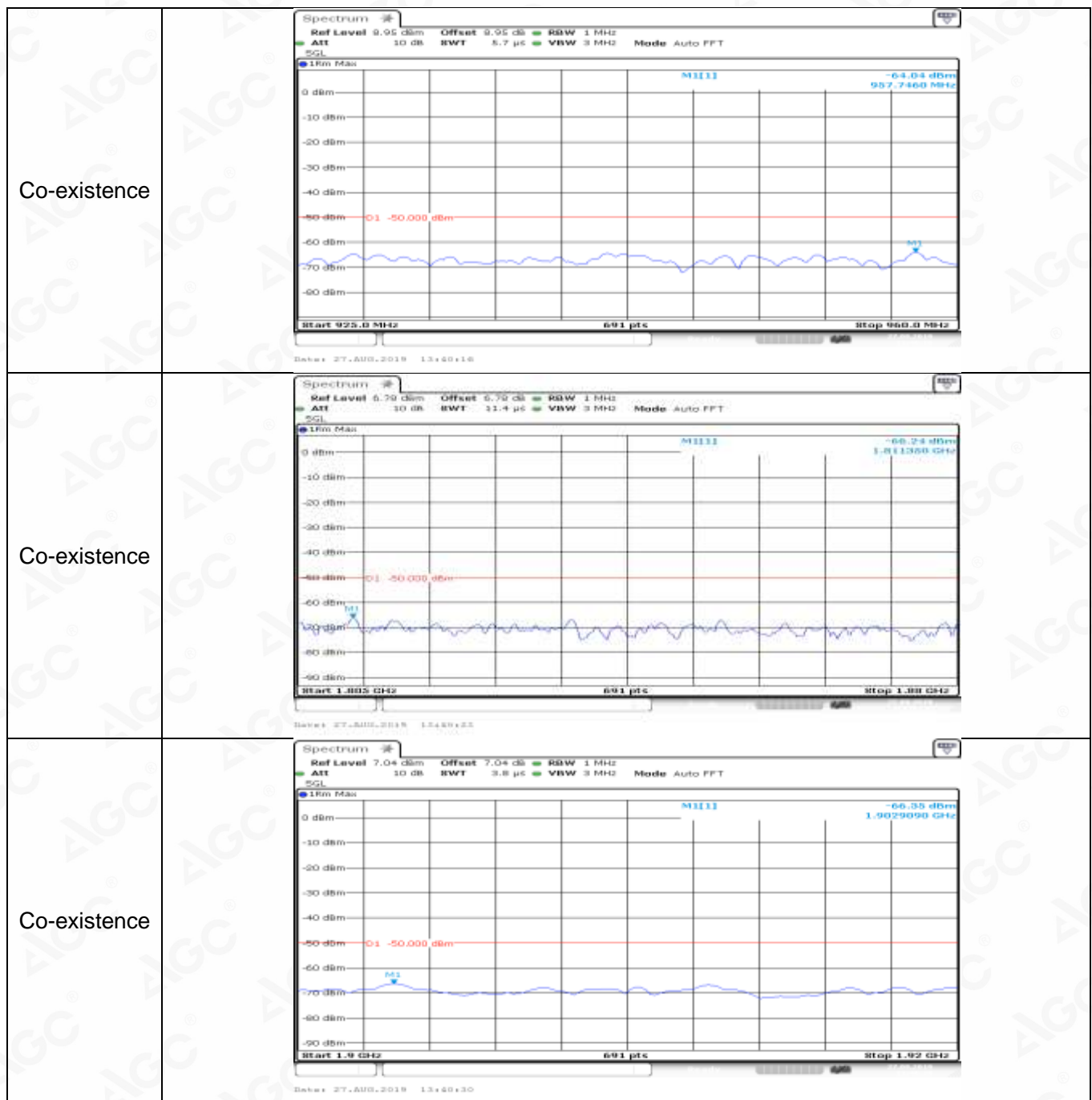
Co-existence	
Co-existence	
Additional	NA

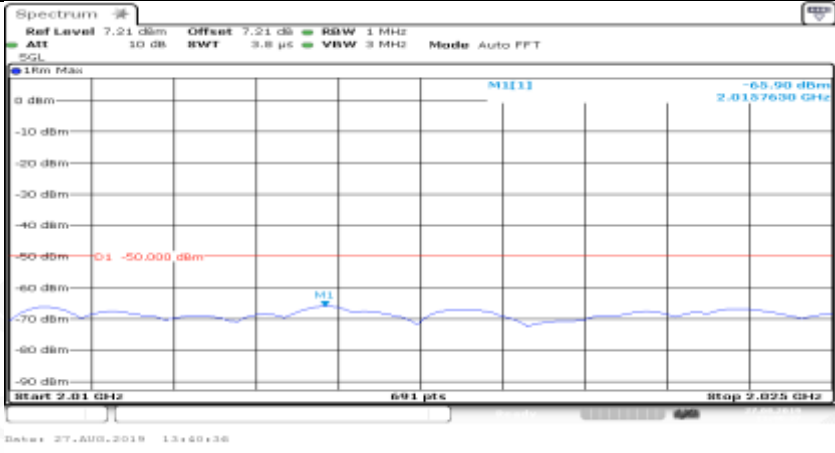

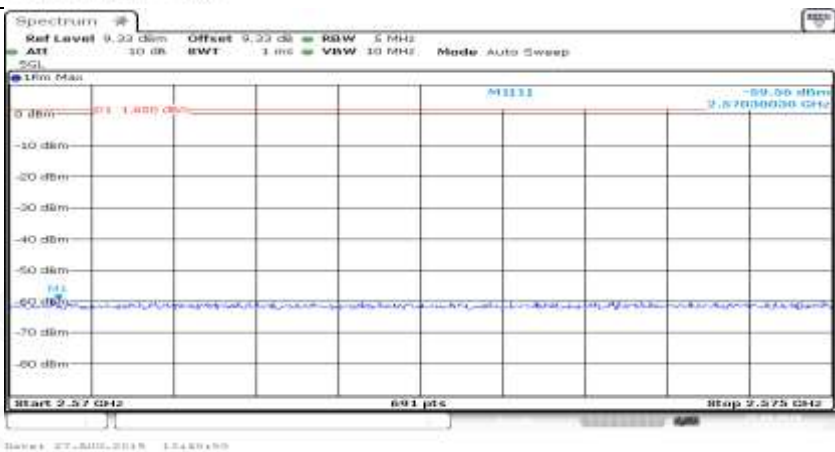
Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	

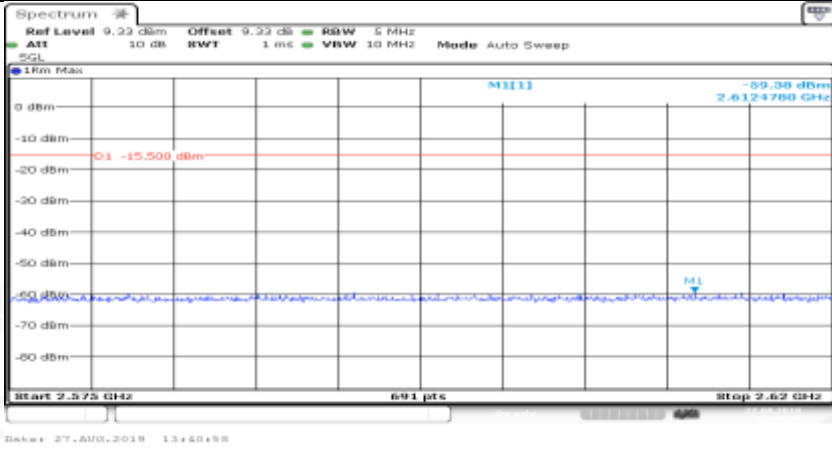

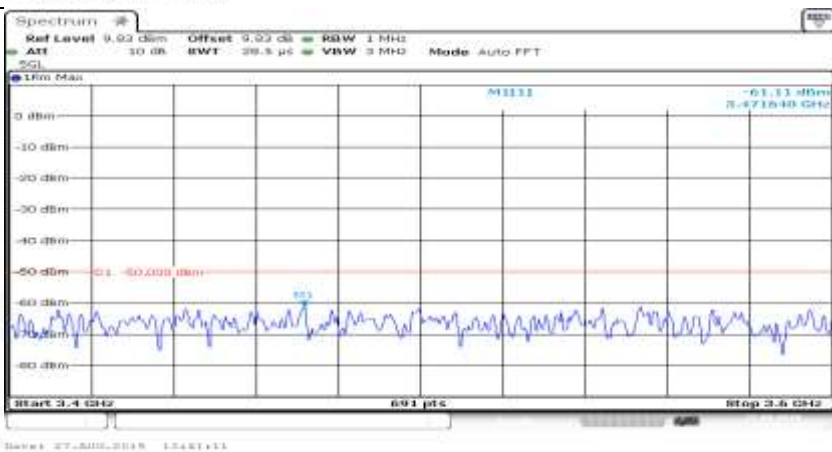
General	
General	
General	



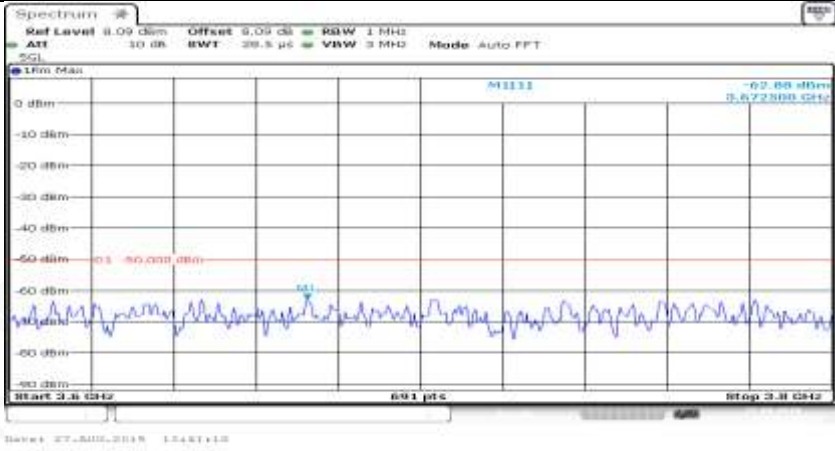


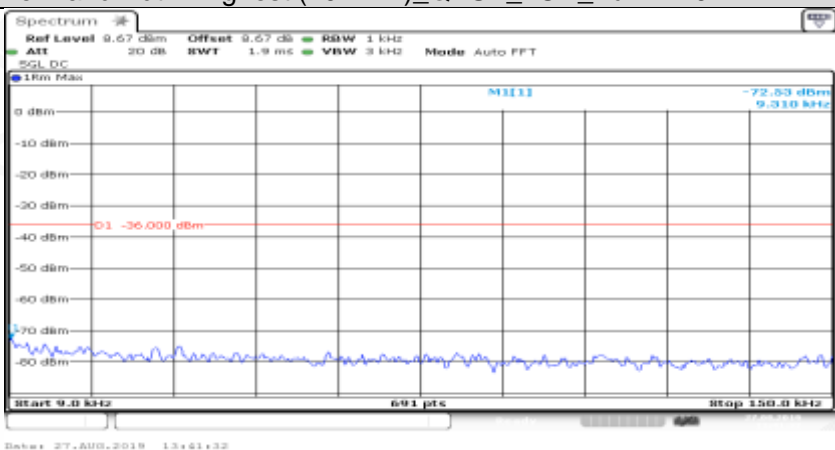
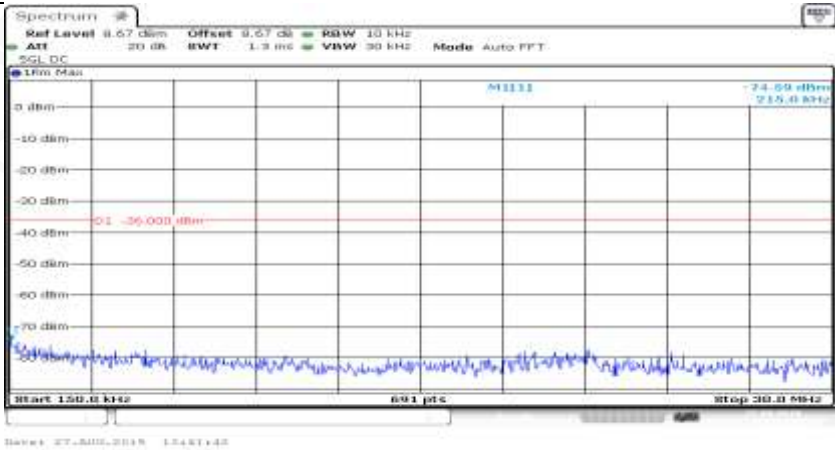


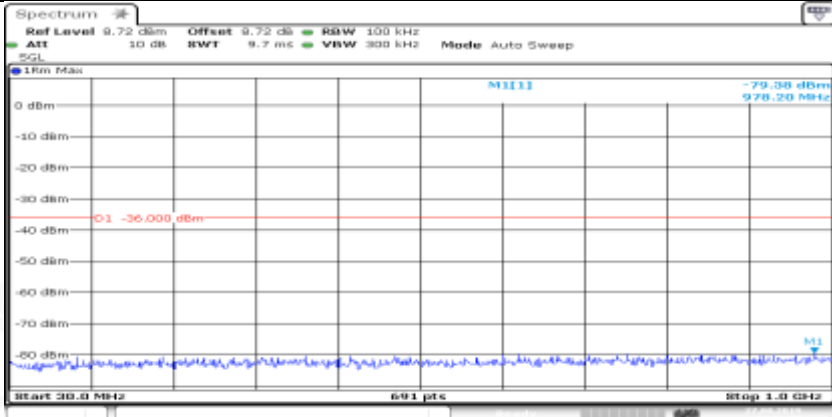
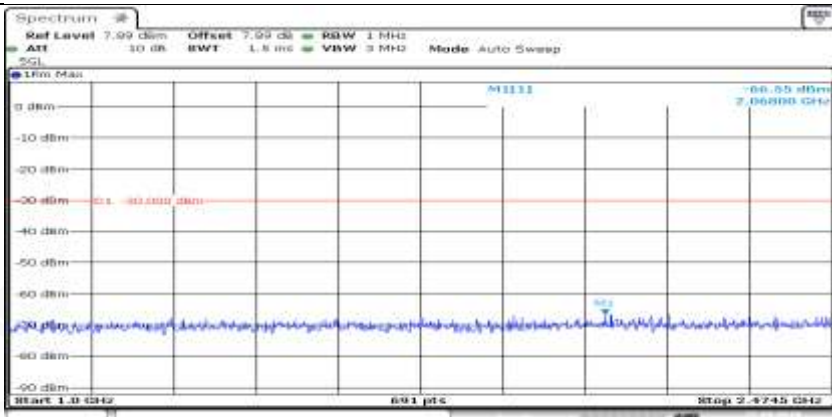
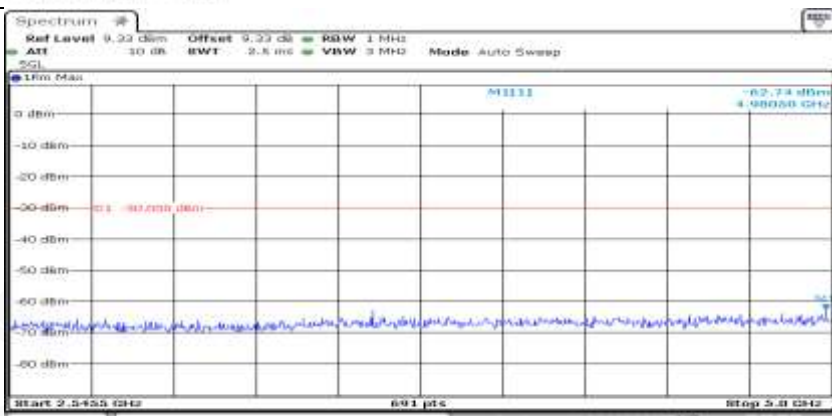
Co-existence	
Co-existence	
Co-existence	

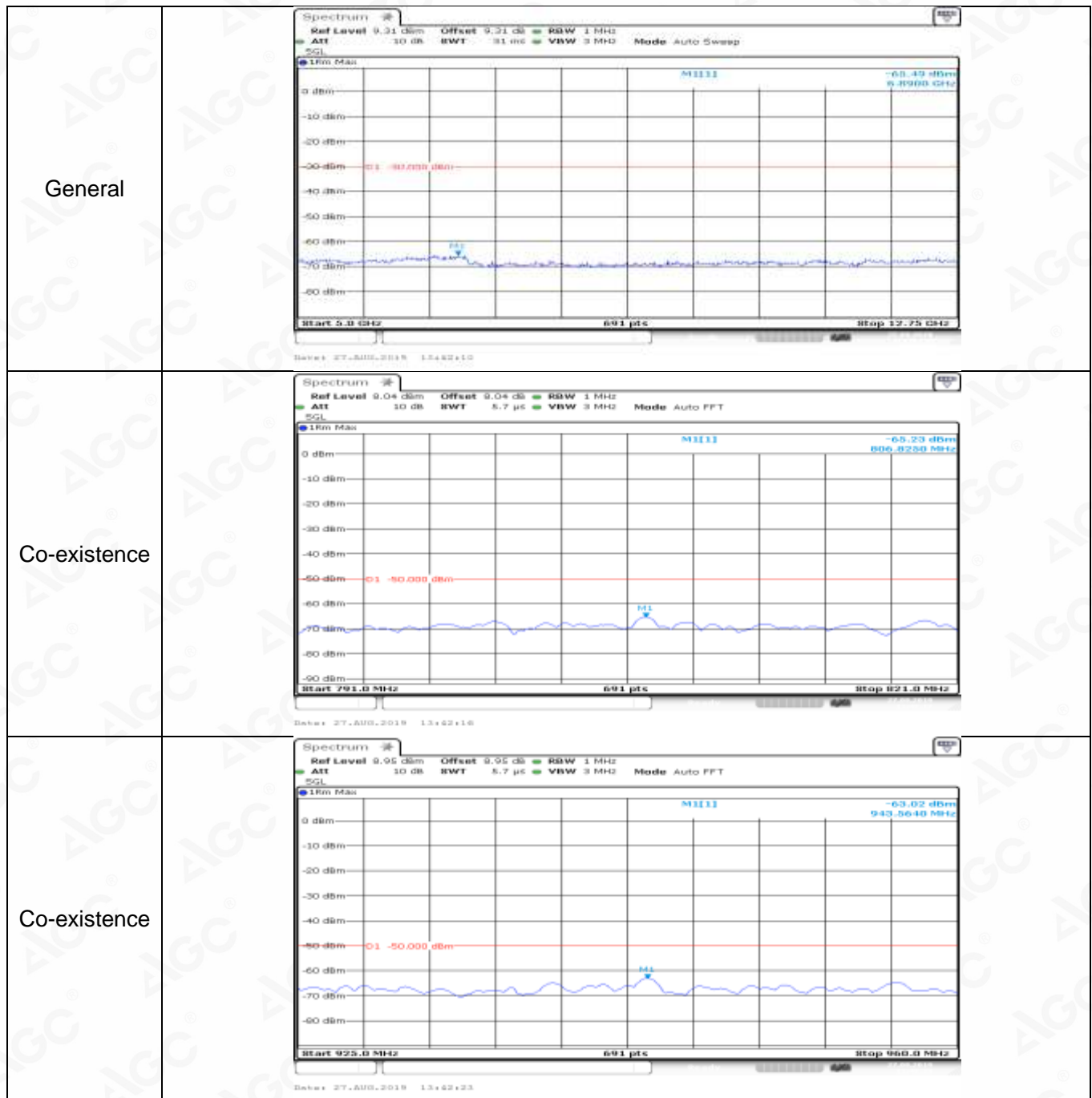
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Co-existence	


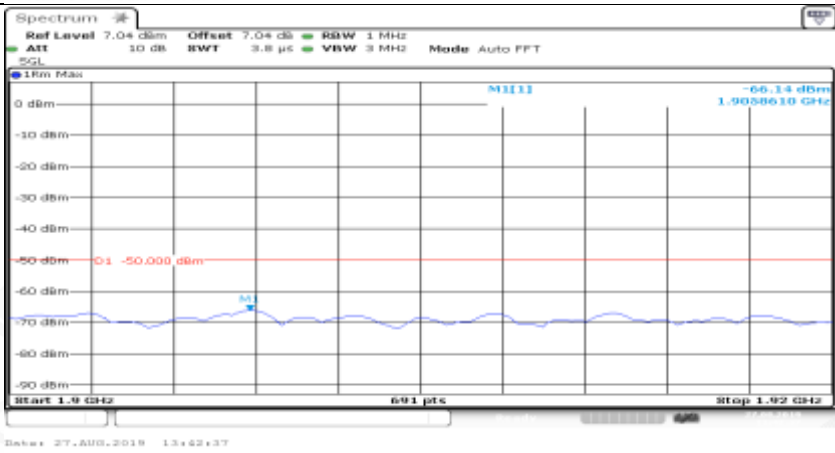
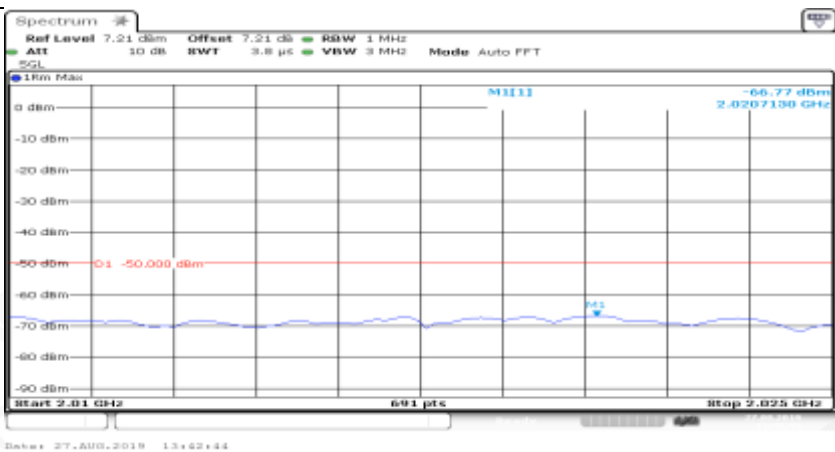




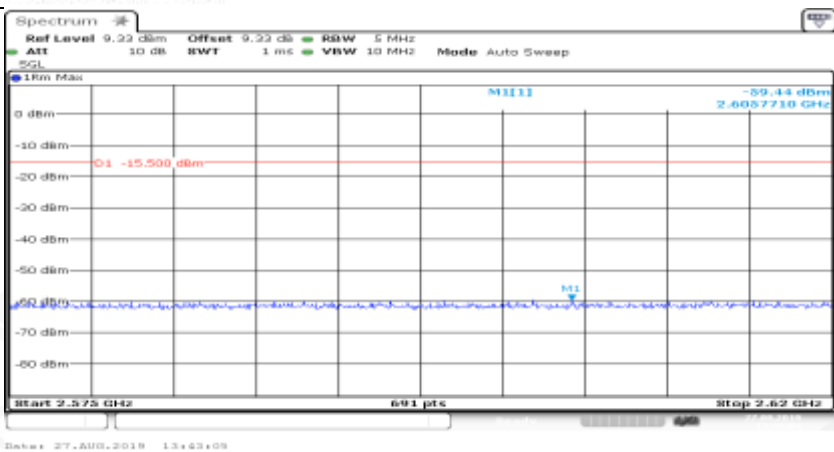
Co-existence	
Additional	NA

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

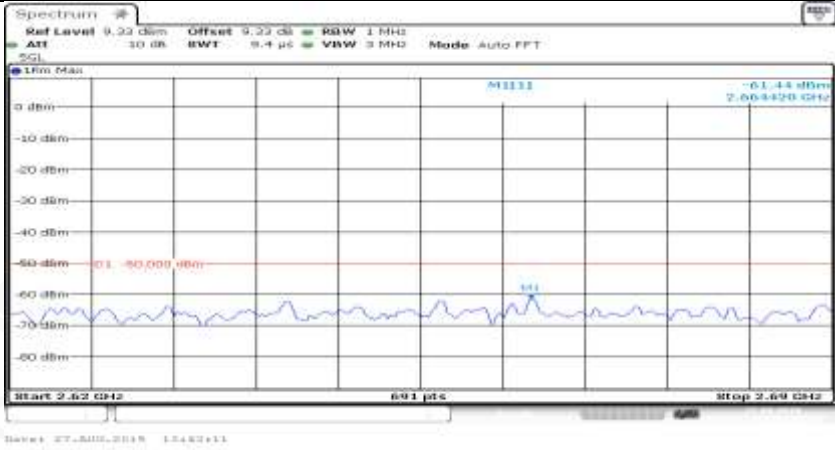
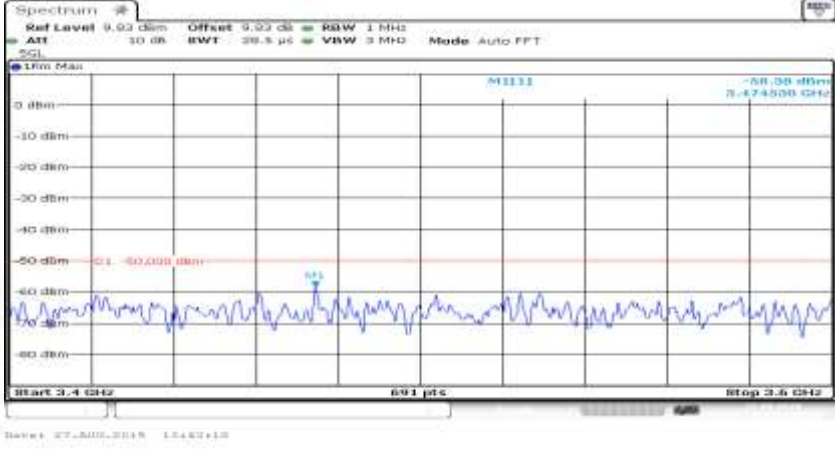
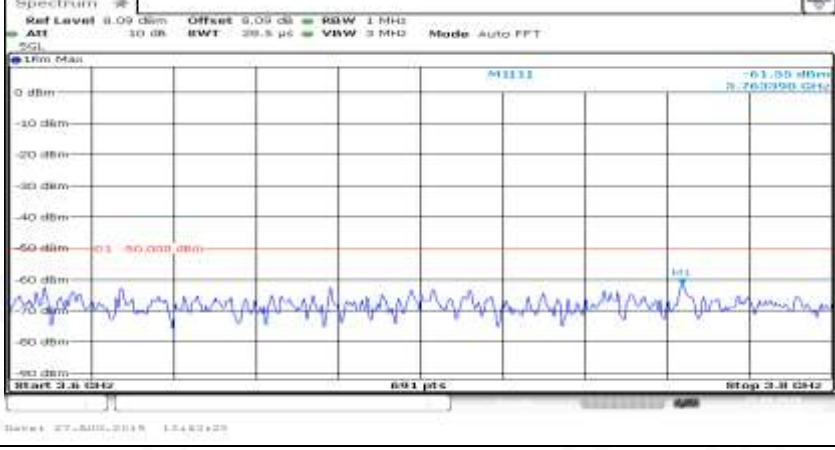
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 9.7 MHz VBW 300 kHz Mode Auto Sweep</p> <p>0 dBm -79.38 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 20.0 MHz Stop 1.0 GHz</p> <p>691 pts</p> <p>Date: 27-AUG-2018 13:41:49</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz</p> <p>ATT 10 dB BW 1.8 MHz VBW 3 MHz Mode Auto Sweep</p> <p>0 dBm -66.65 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -40.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 1.0 GHz Stop 2.4745 GHz</p> <p>691 pts</p> <p>Date: 27-AUG-2018 13:41:58</p>
General	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BW 2.5 MHz VBW 3 MHz Mode Auto Sweep</p> <p>0 dBm -62.73 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -40.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 2.4745 GHz Stop 5.0 GHz</p> <p>691 pts</p> <p>Date: 27-AUG-2018 13:42:22</p>



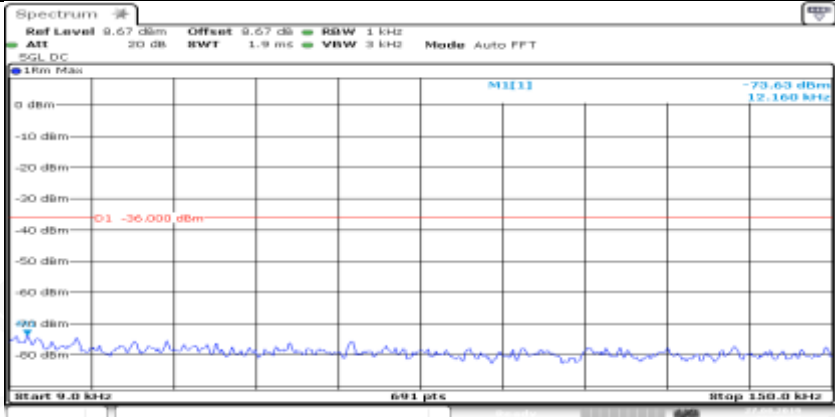
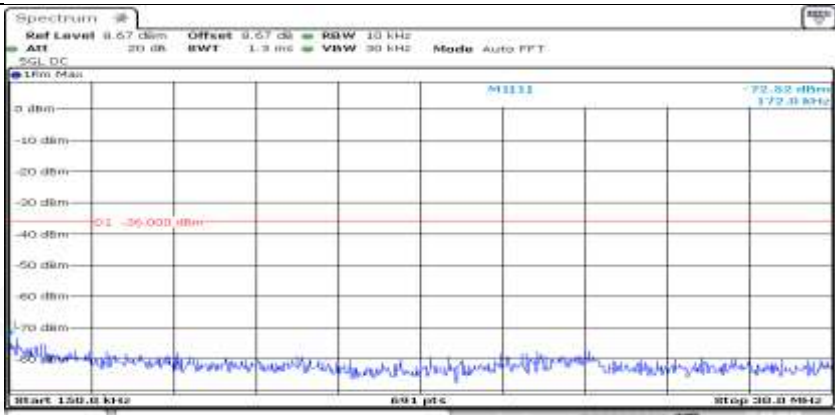
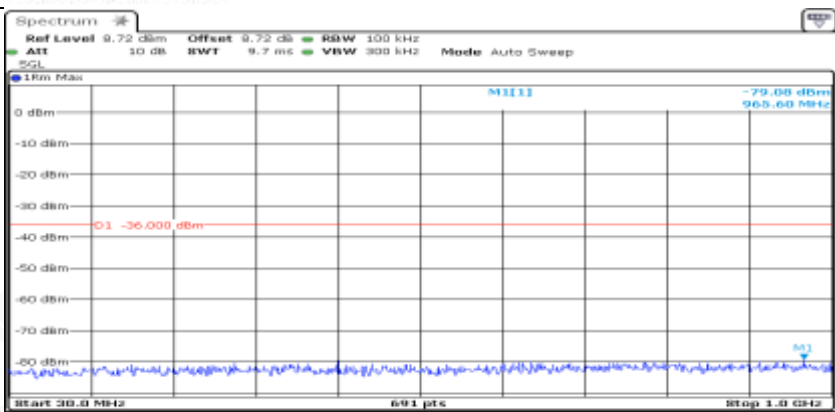
Co-existence	
Co-existence	
Co-existence	

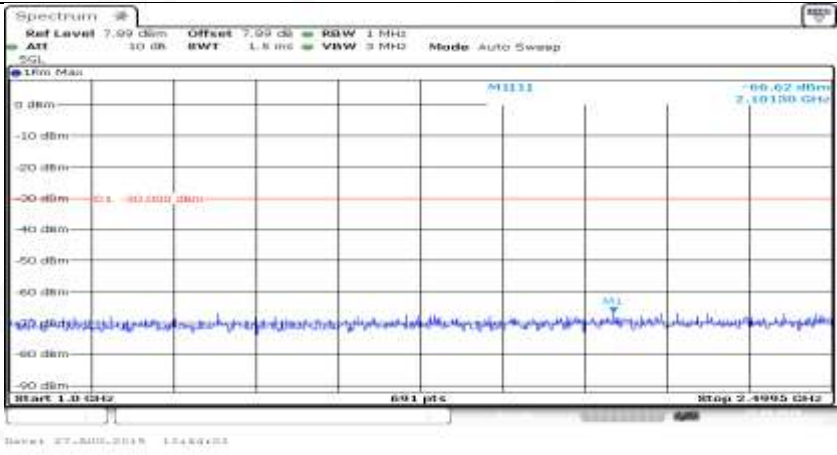
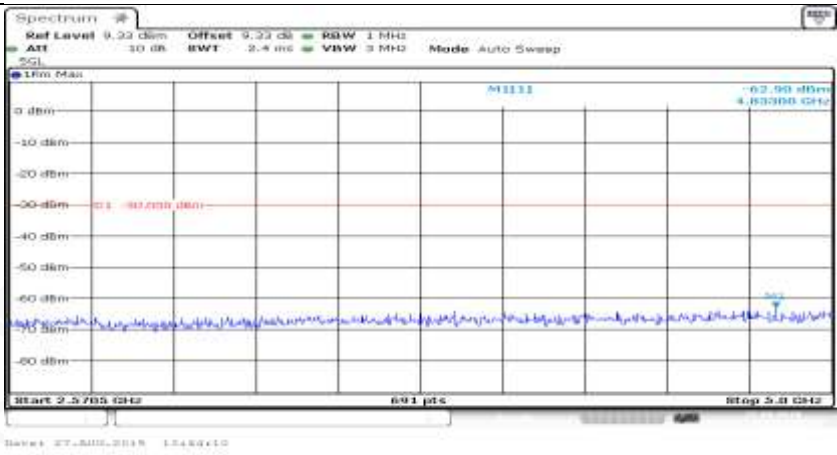
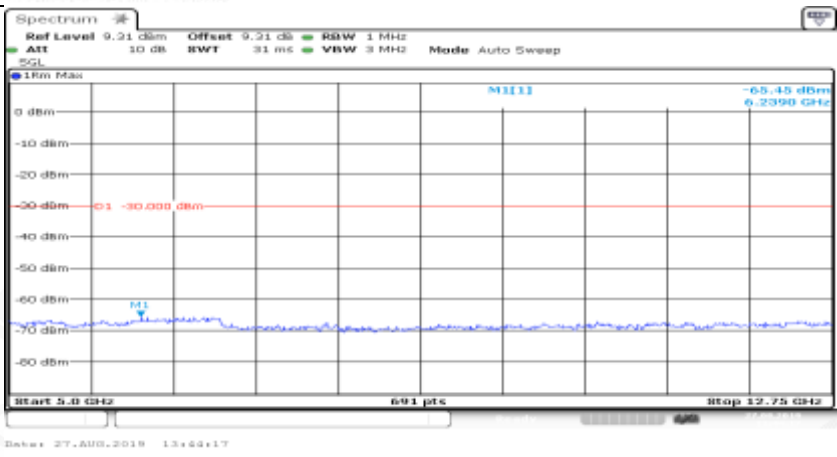
Co-existence	
Co-existence	
Co-existence	

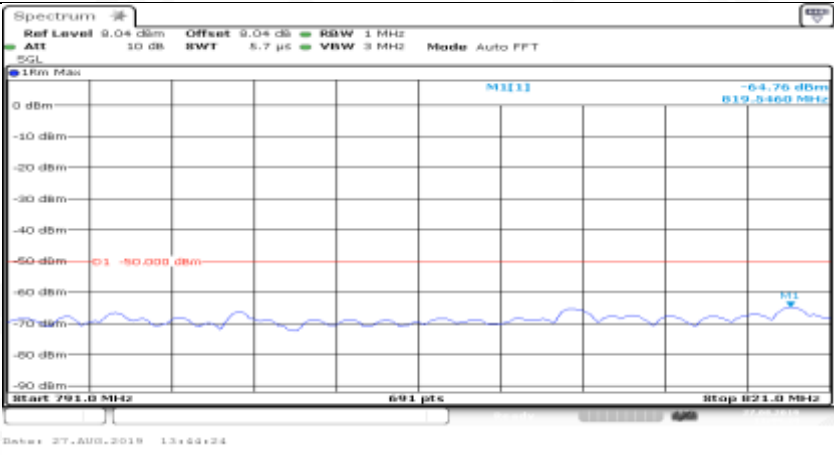
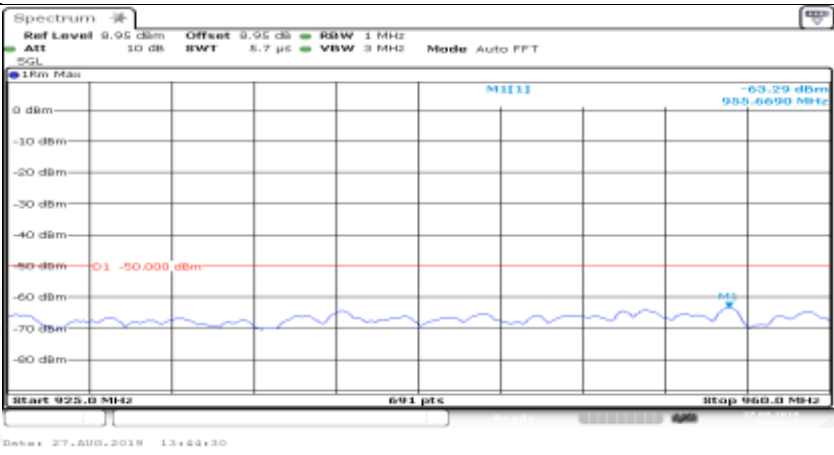
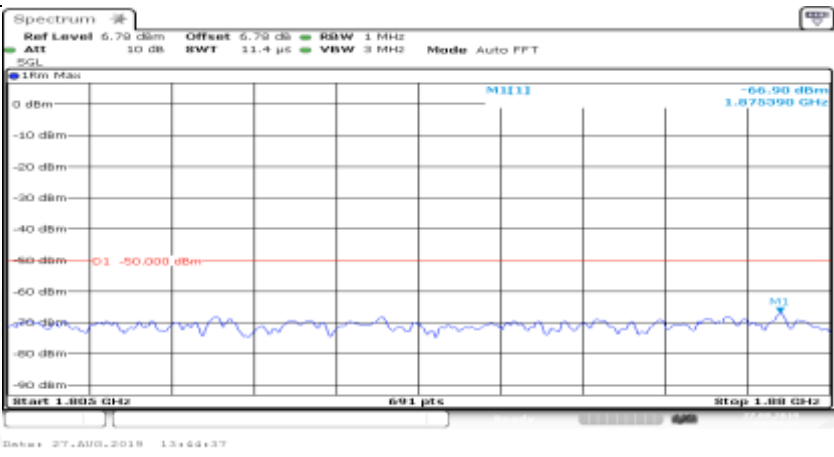


Co-existence	
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Co-existence	
Additional	NA

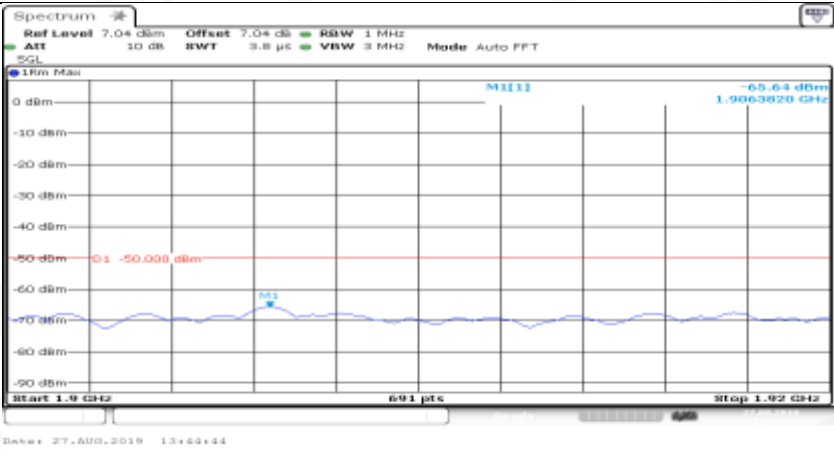
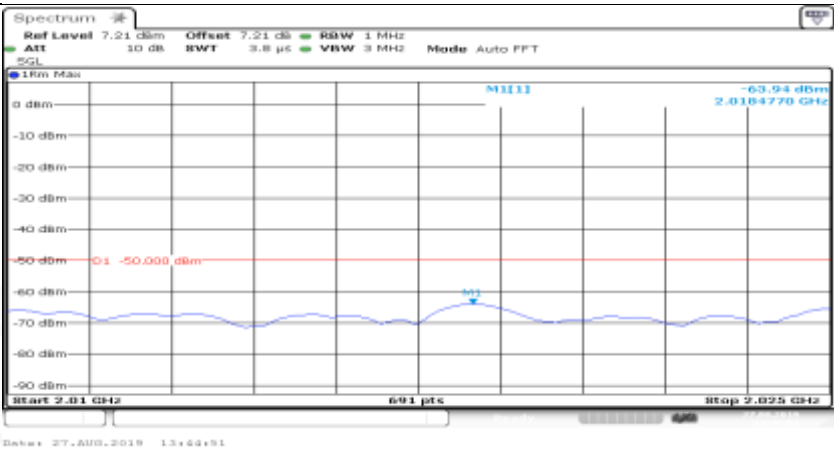

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	 <p>Start 9.0 kHz Stop 150.0 kHz</p> <p>Date: 27.AUG.2019 13:43:39</p>
General	 <p>Start 150.0 kHz Stop 20.0 MHz</p> <p>Date: 27.AUG.2019 13:43:40</p>
General	 <p>Start 20.0 MHz Stop 1.0 GHz</p> <p>Date: 27.AUG.2019 13:43:56</p>

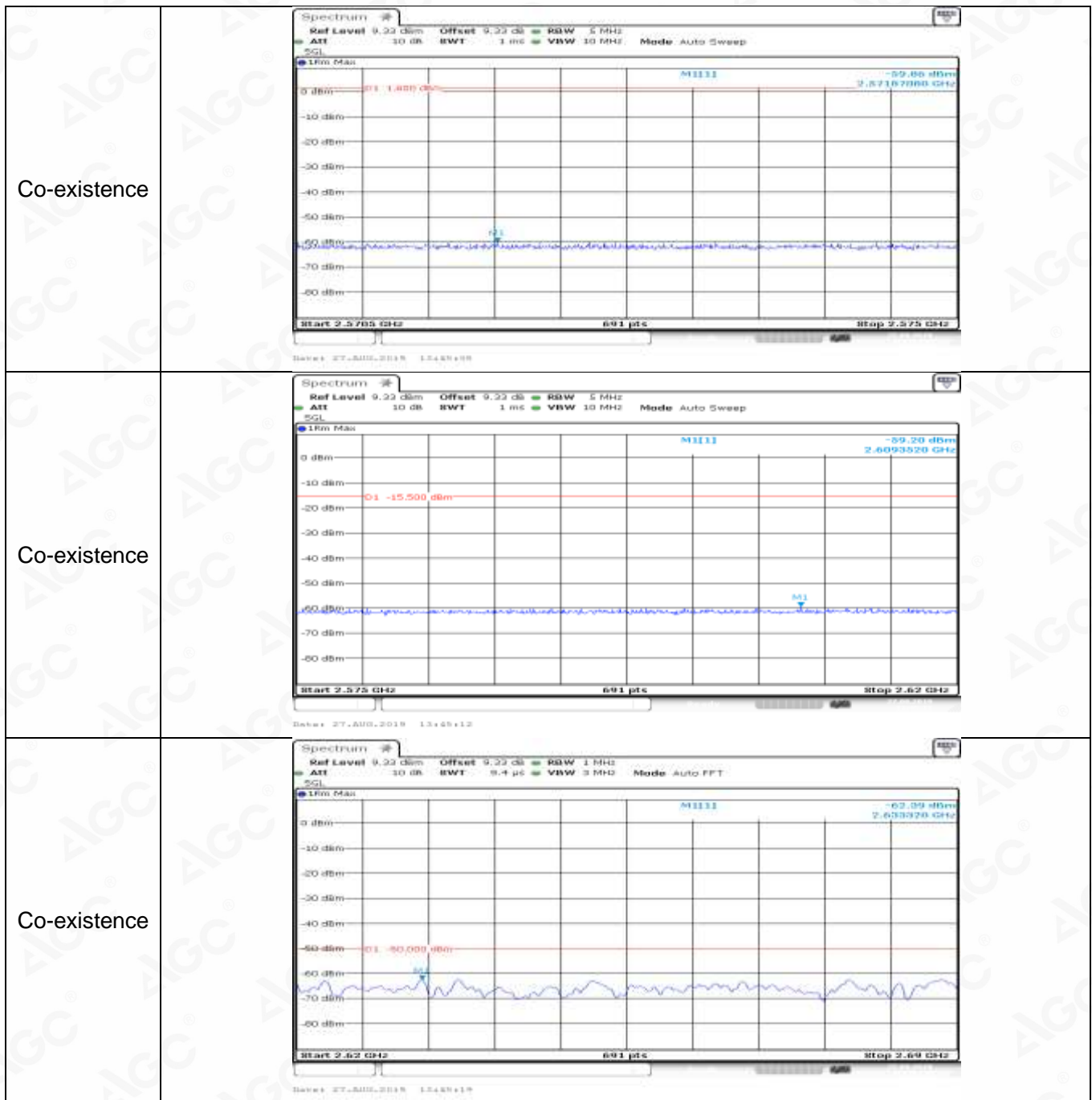
General	
General	
General	

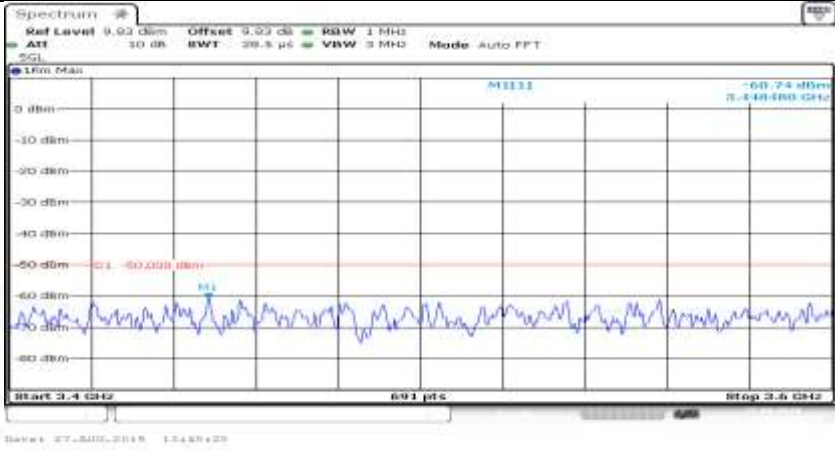
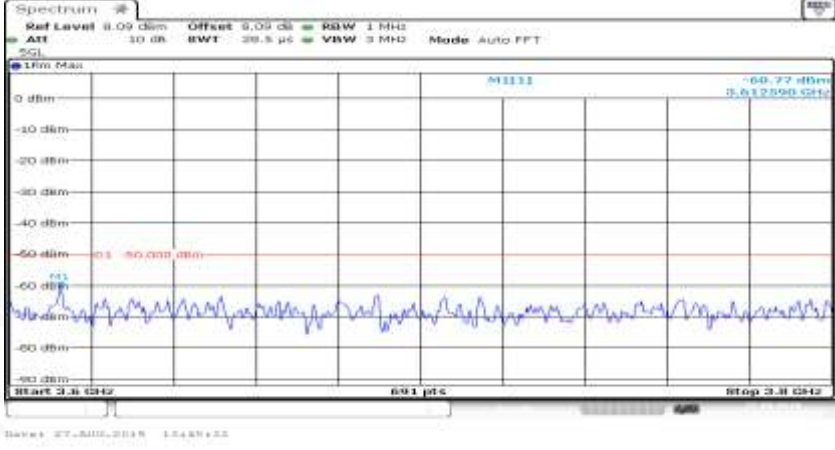
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Co-existence	

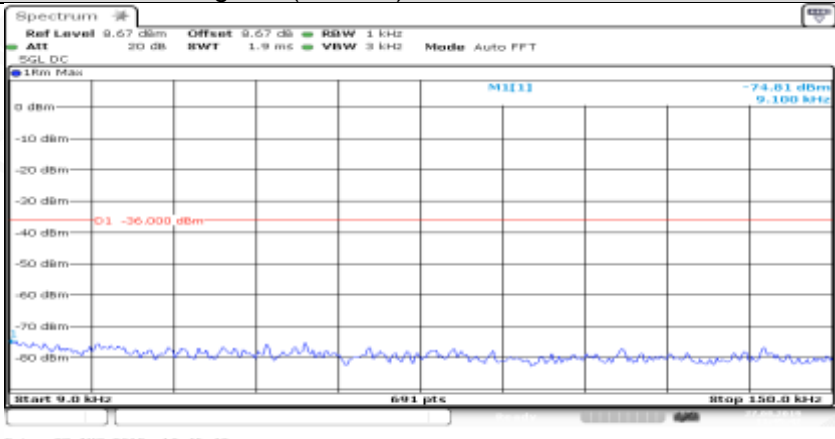


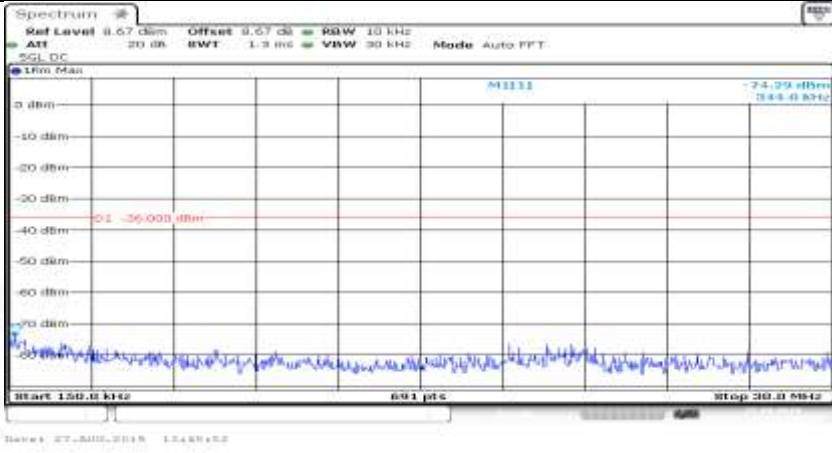
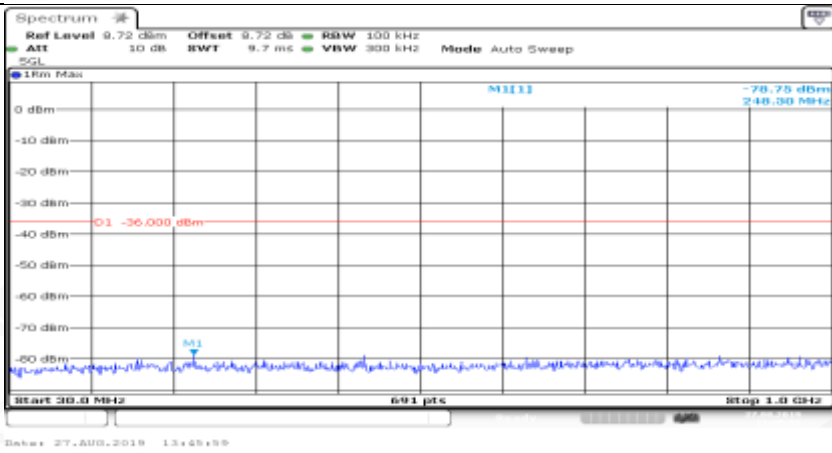
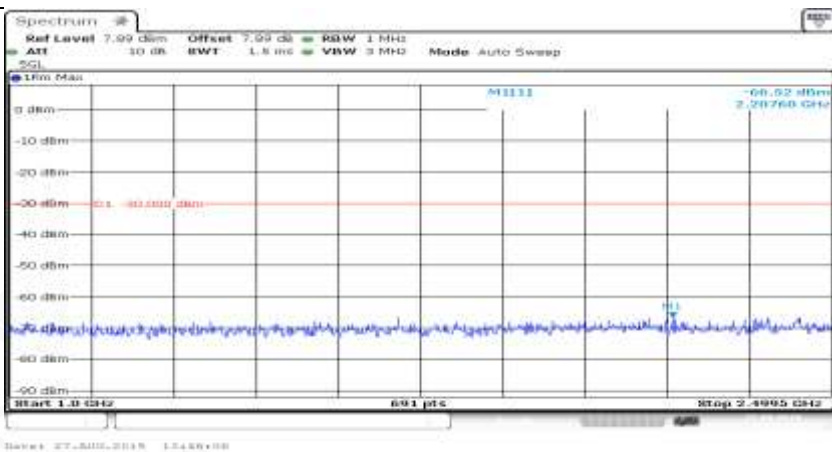
Co-existence	
Co-existence	
Co-existence	



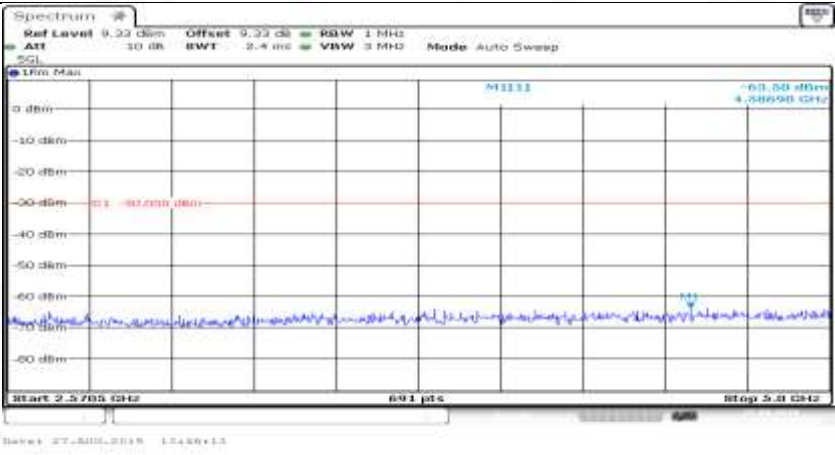
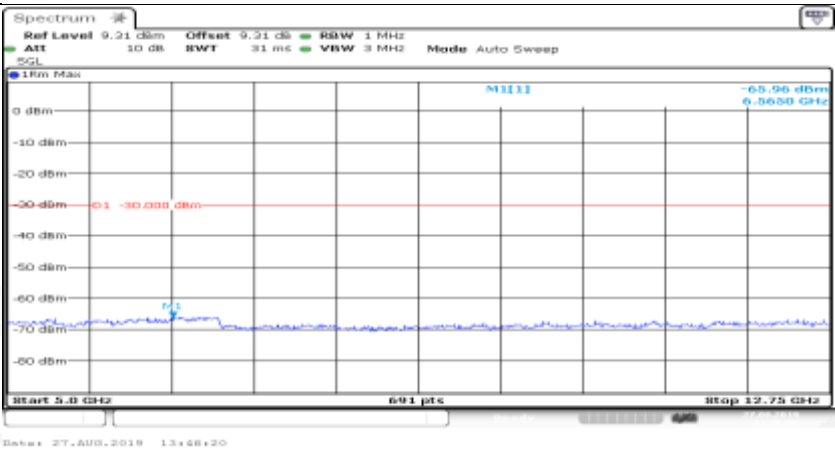
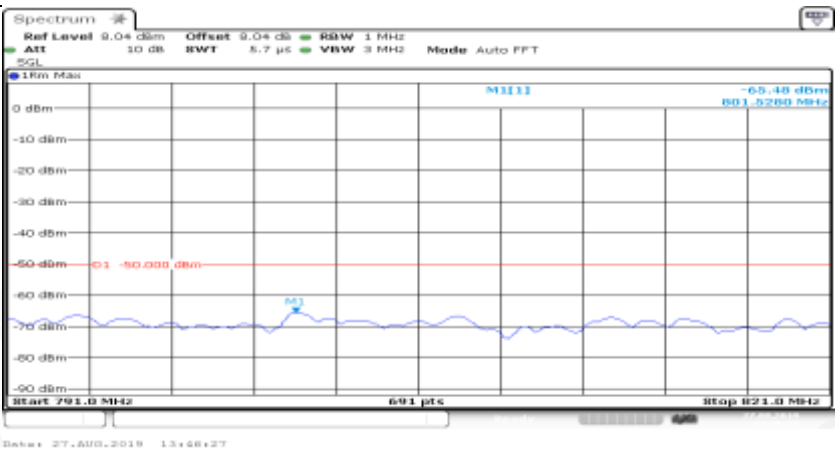


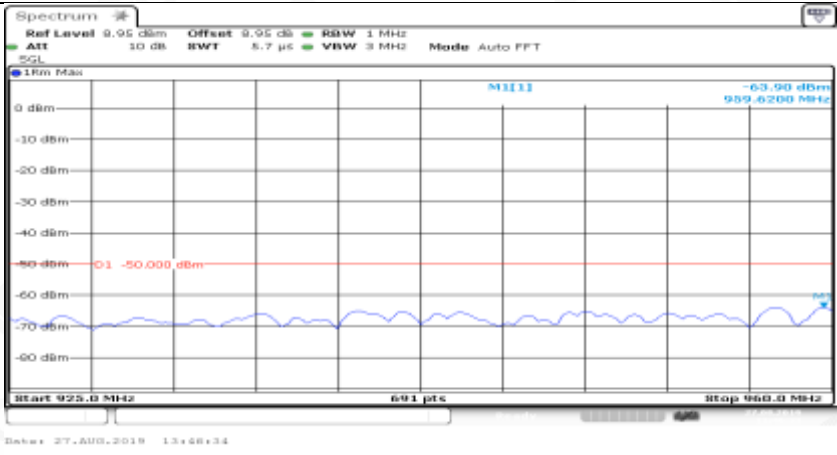
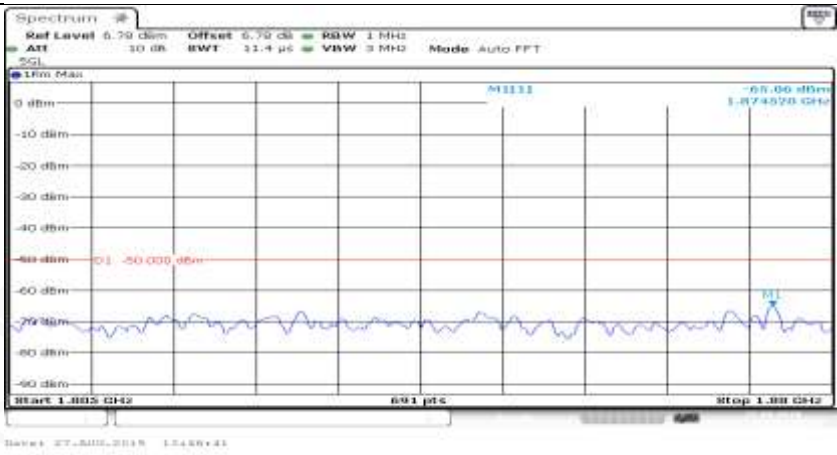
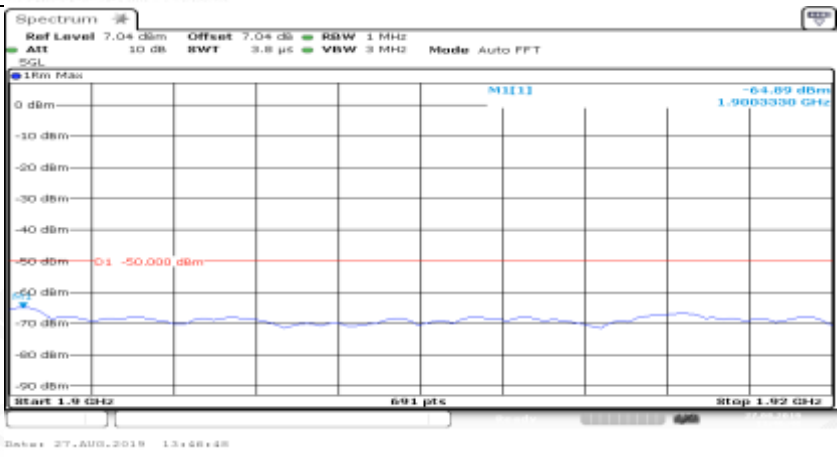
Co-existence	
Co-existence	
Additional	NA

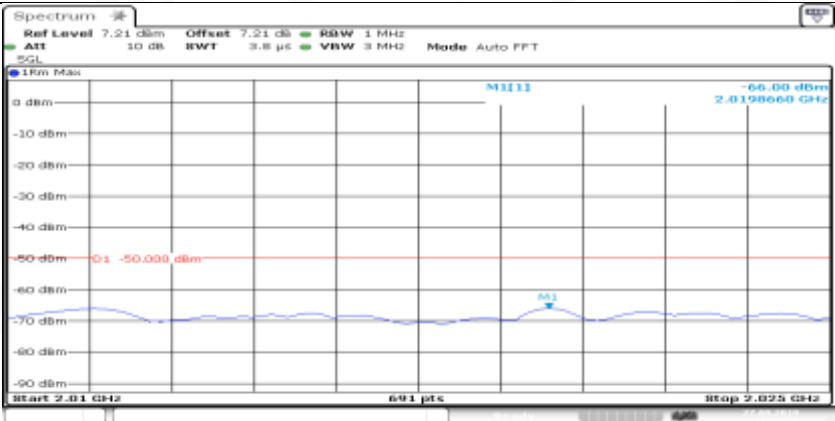

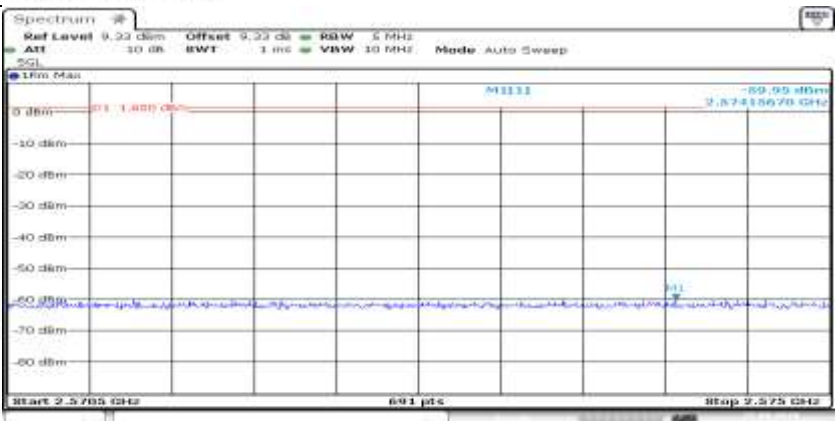
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	

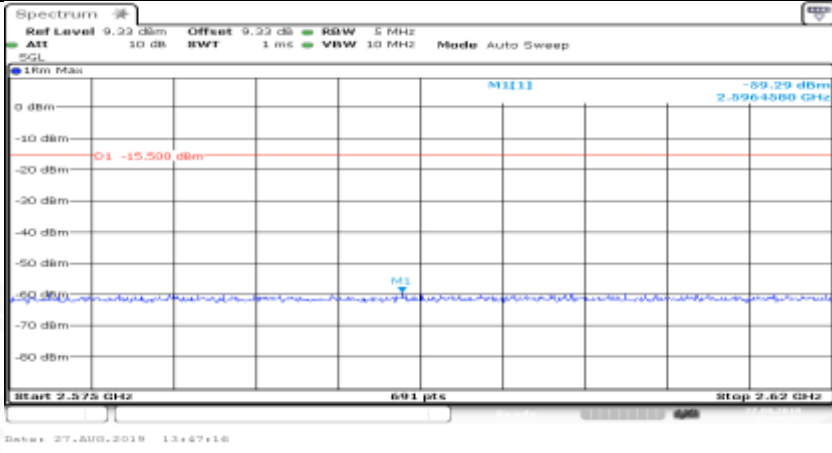

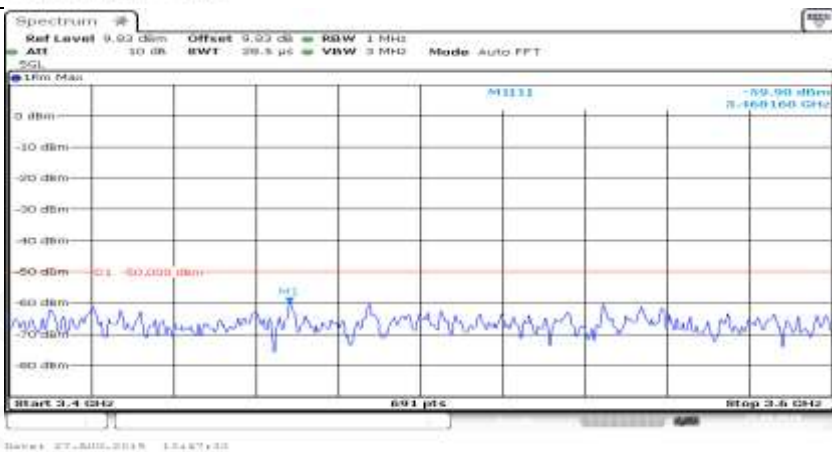
General	
General	
General	

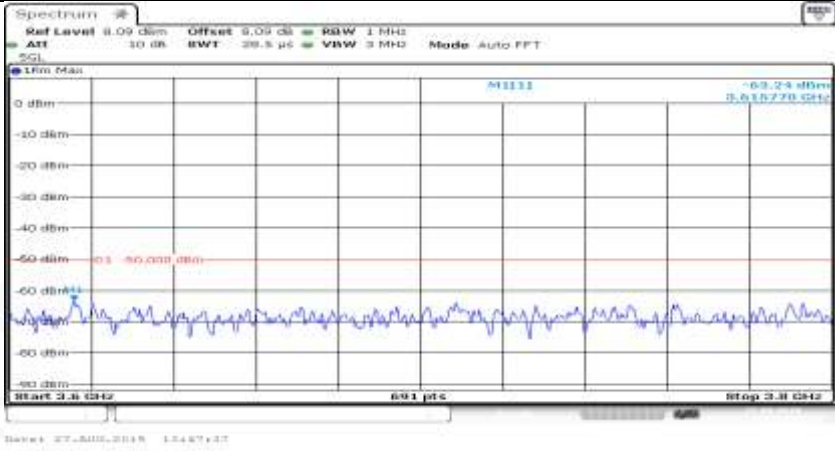


General	
General	
Co-existence	

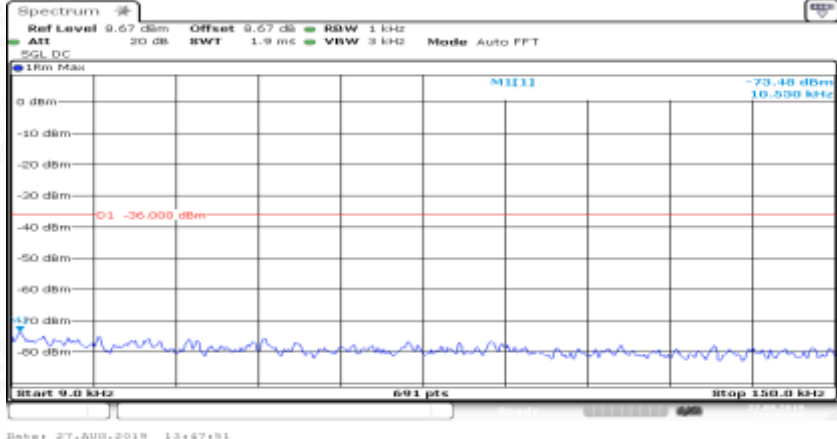
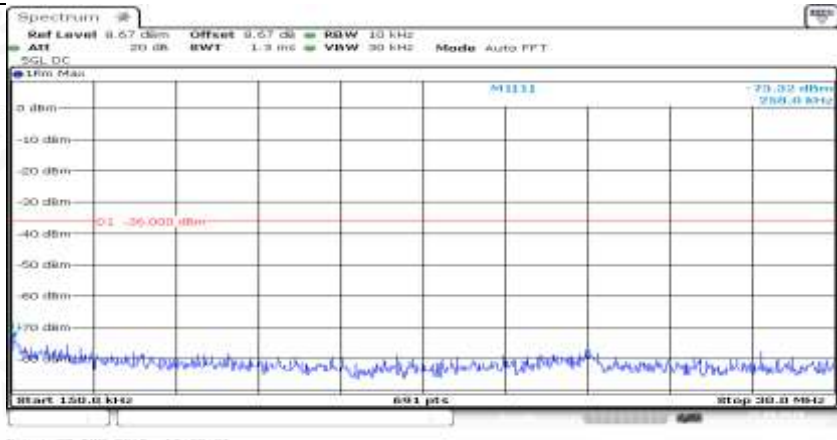
Co-existence	
Co-existence	
Co-existence	

Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.17 GHz</p>
Co-existence	 <p>Start 2.5705 GHz Stop 2.575 GHz</p>

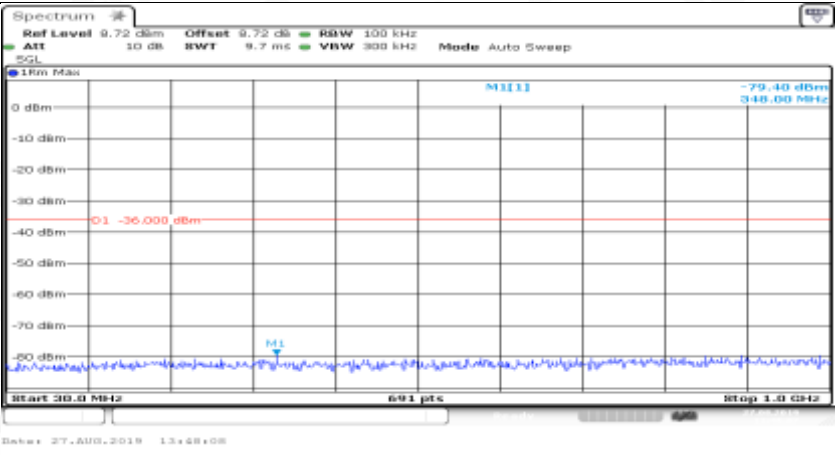
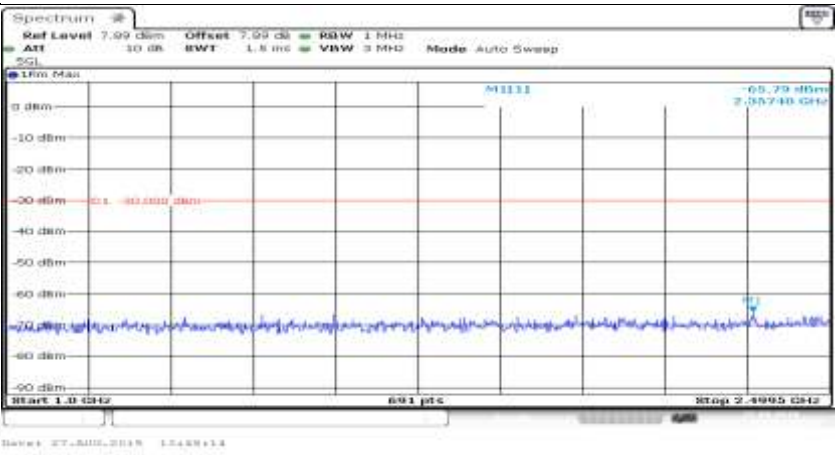
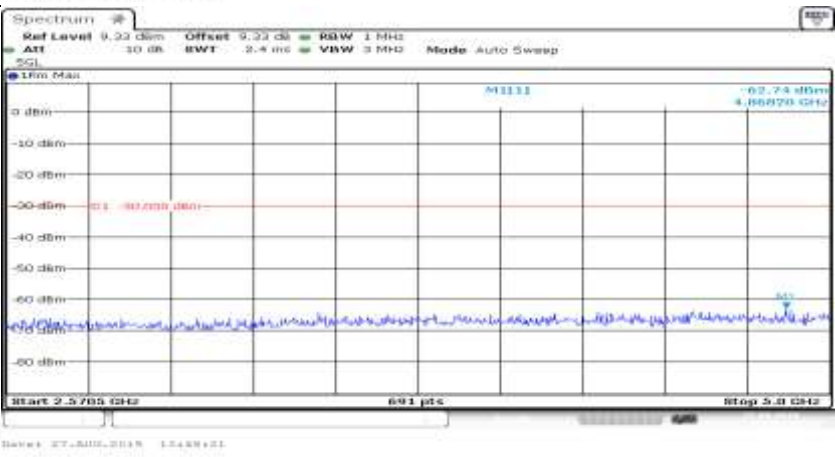
Co-existence	
Co-existence	
Co-existence	

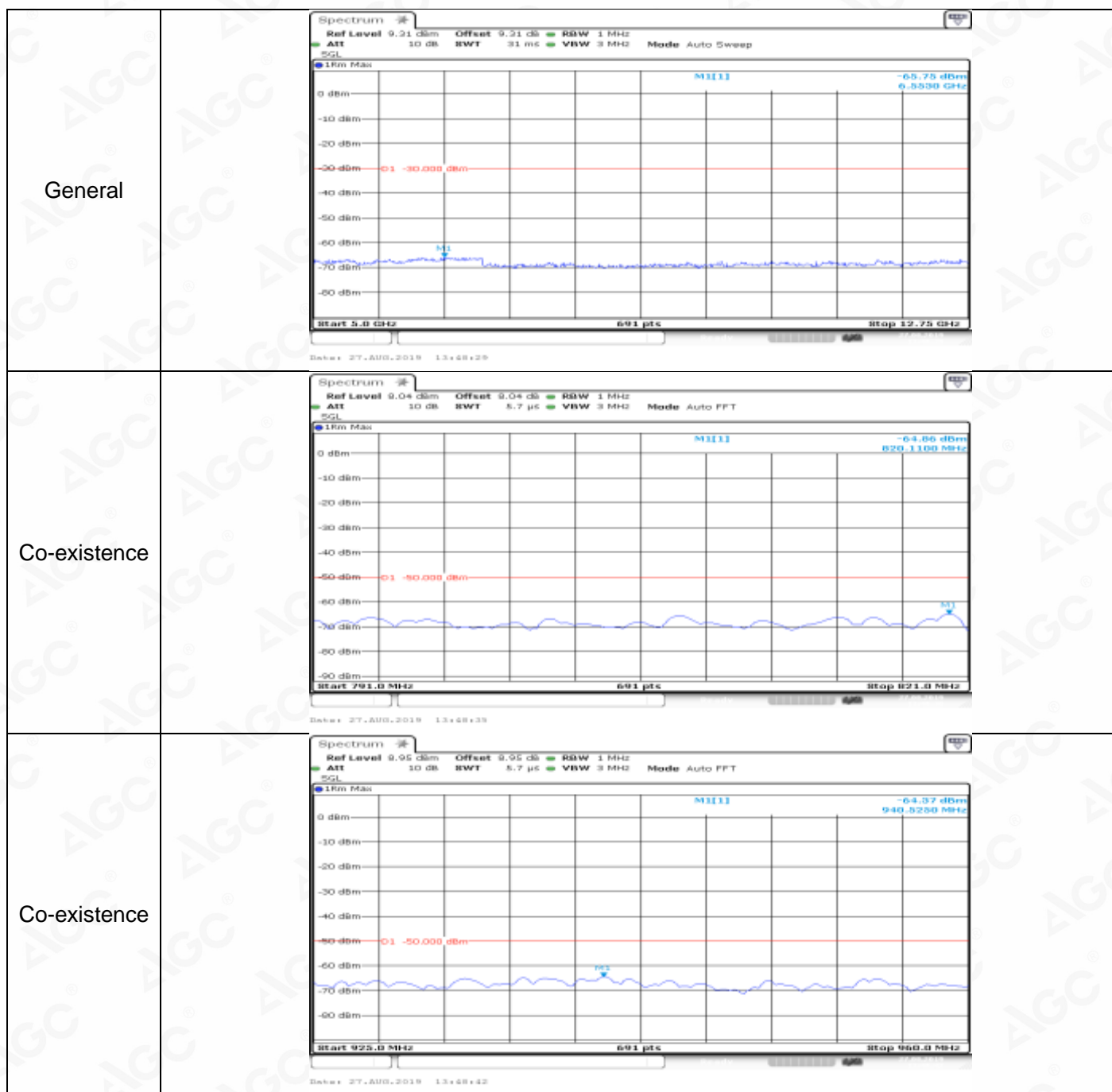
Co-existence	
Additional	NA

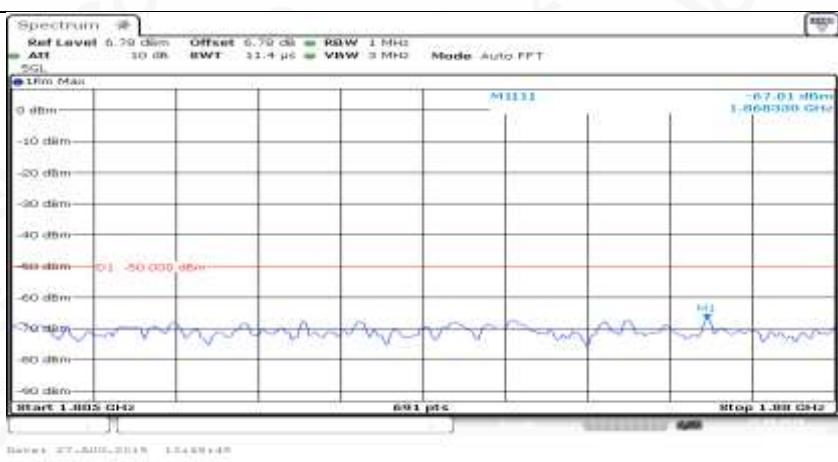
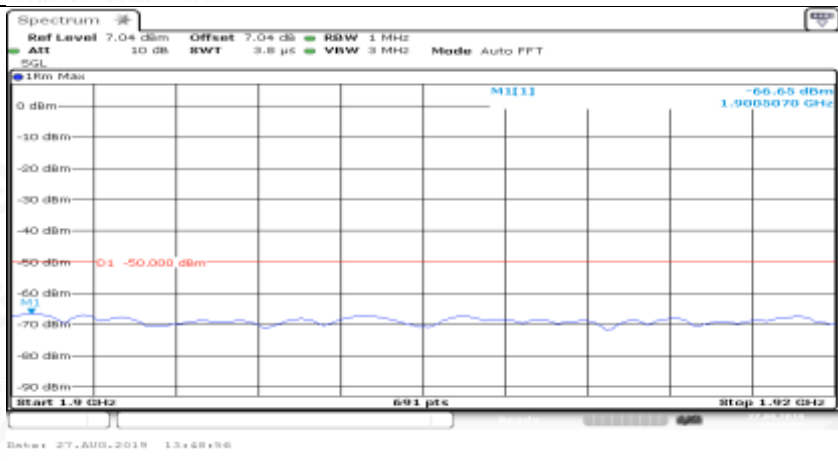
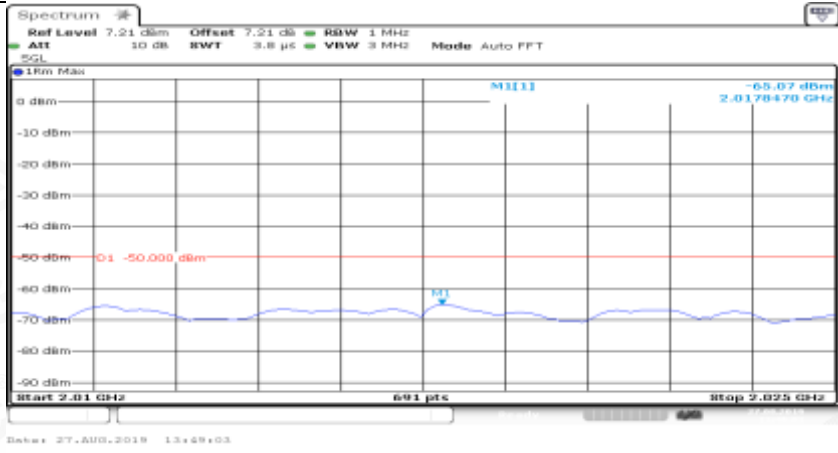
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0

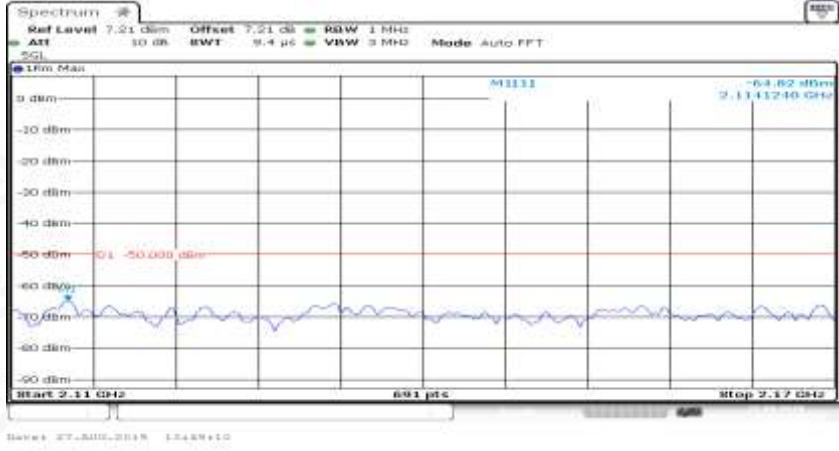
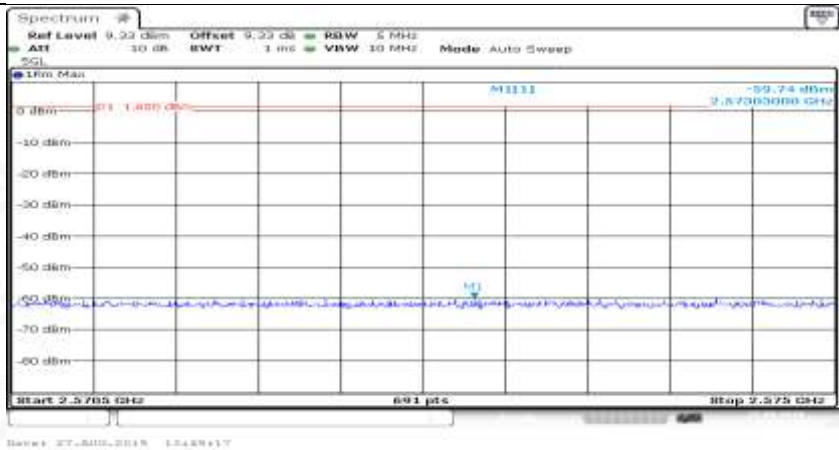
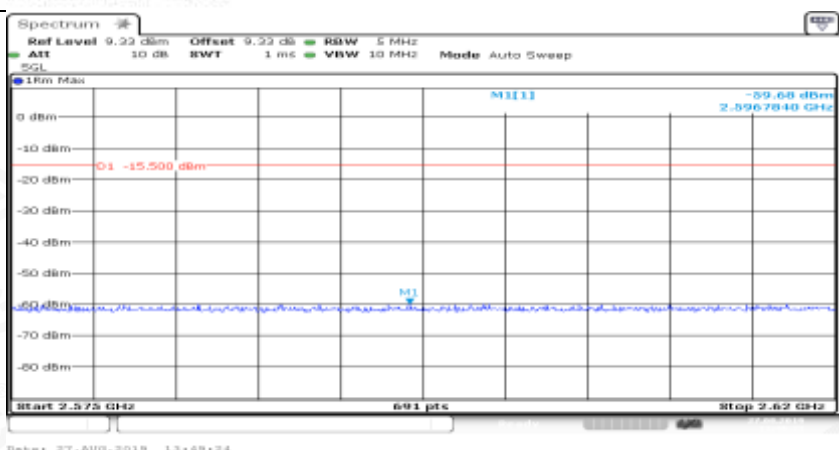
General	
General	



General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz ATT 10 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -79.40 dBm -10 dBm -20 dBm -30 dBm -40 dBm -36.000 dBm -50 dBm -60 dBm -70 dBm</p> <p>Start 30.0 MHz Stop 1.0 GHz</p> <p>Date: 27.AUG.2019 13:48:08</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz ATT 10 dB SWT 1.8 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -65.79 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm</p> <p>Start 1.0 GHz Stop 2.4995 GHz</p> <p>Date: 27.AUG.2019 13:48:14</p>
General	 <p>Spectrum</p> <p>Ref Level 9.23 dBm Offset 9.23 dB BW 1 MHz ATT 10 dB SWT 2.4 ms VBW 3 MHz Mode Auto Sweep</p> <p>10m Max</p> <p>0 dBm -62.74 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm</p> <p>Start 2.5705 GHz Stop 5.0 GHz</p> <p>Date: 27.AUG.2019 13:48:21</p>



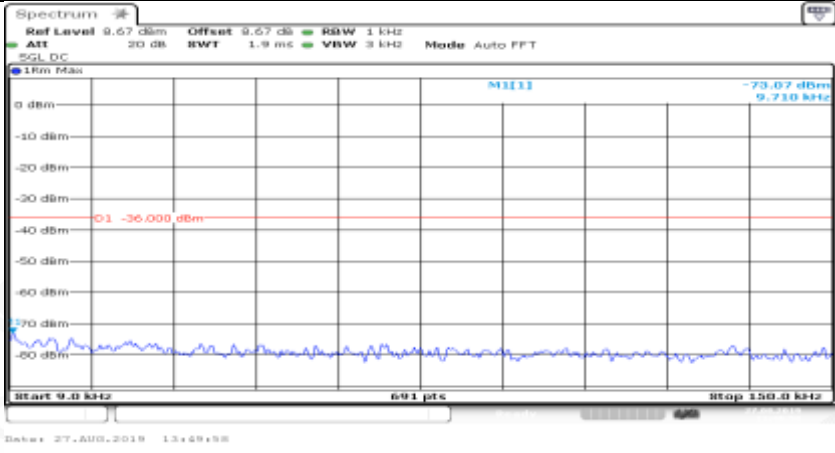
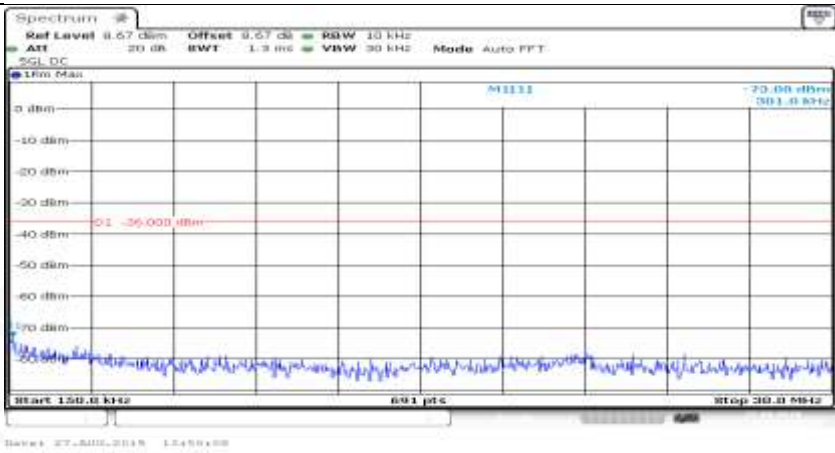
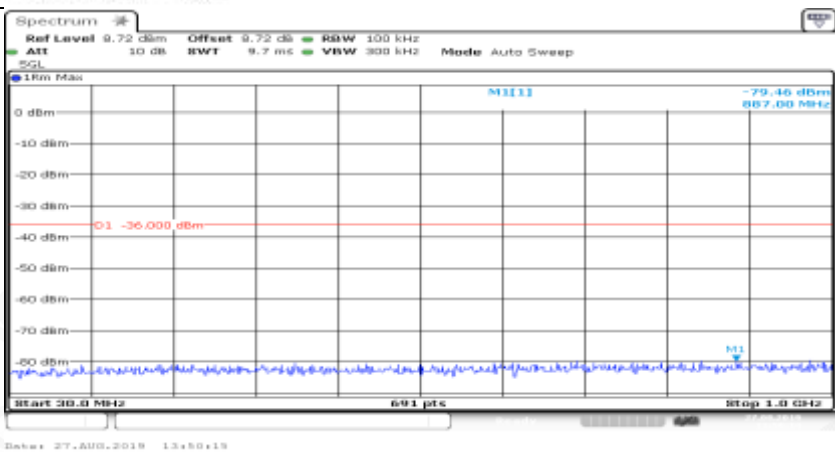
Co-existence	 <p>Spectrum Ref Level 6.79 dBm Offset 6.79 dB BW 1 MHz ATT 10 dB BW 31.4 µs VBW 3 MHz Mode Auto FFT 100% Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm Start 1.805 GHz Stop 1.88 GHz Date: 27.AUG.2019 13:43:45</p>
Co-existence	 <p>Spectrum Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz ATT 10 dB BW 3.8 µs VBW 3 MHz Mode Auto FFT 100% Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm Start 1.9 GHz Stop 1.92 GHz Date: 27.AUG.2019 13:48:56</p>
Co-existence	 <p>Spectrum Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz ATT 10 dB BW 3.8 µs VBW 3 MHz Mode Auto FFT 100% Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm Start 2.01 GHz Stop 2.025 GHz Date: 27.AUG.2019 13:49:03</p>

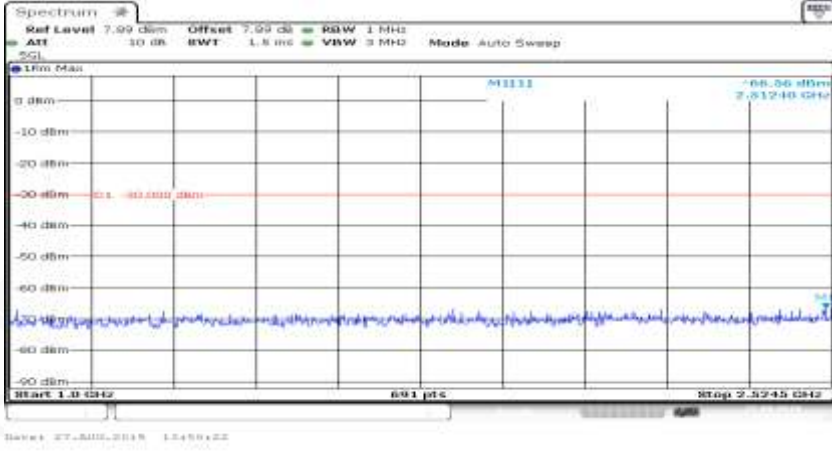
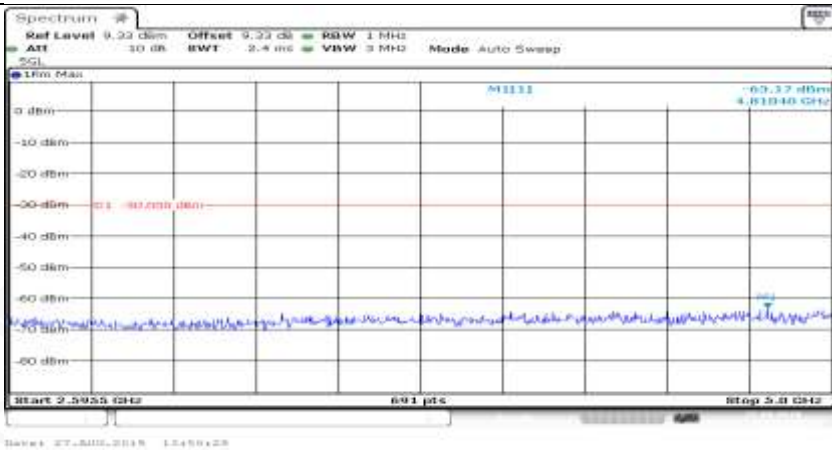
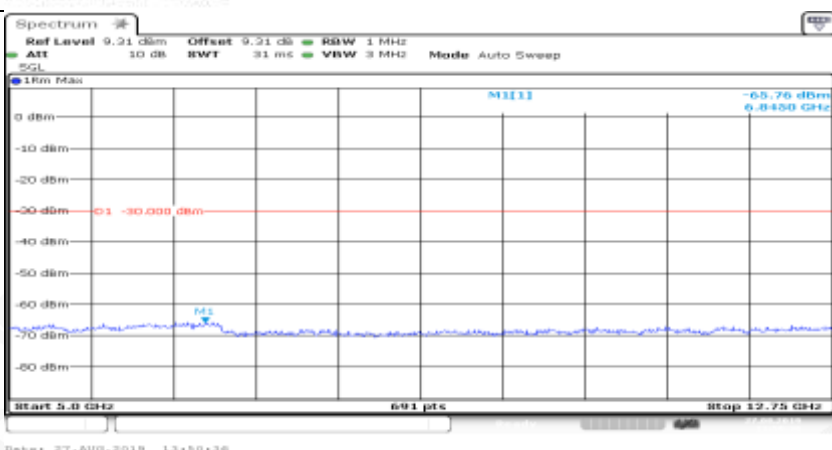
Co-existence	
Co-existence	
Co-existence	

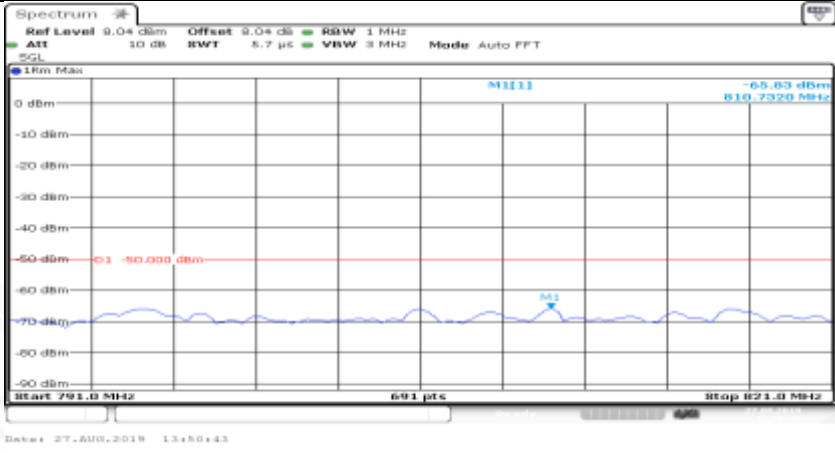
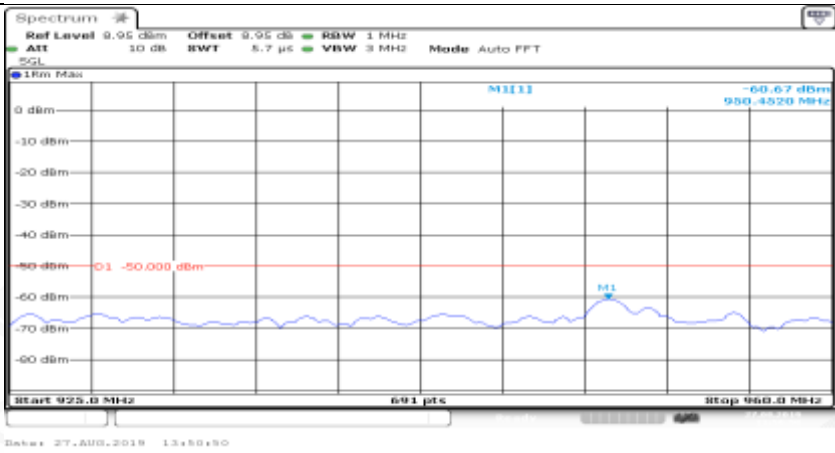
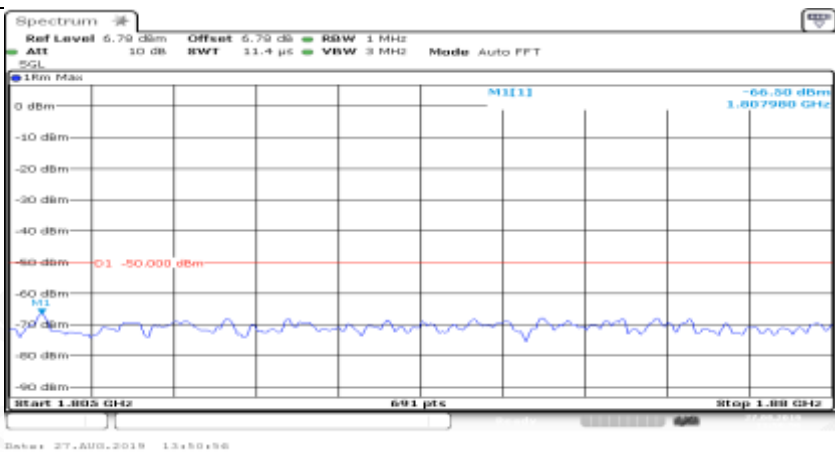


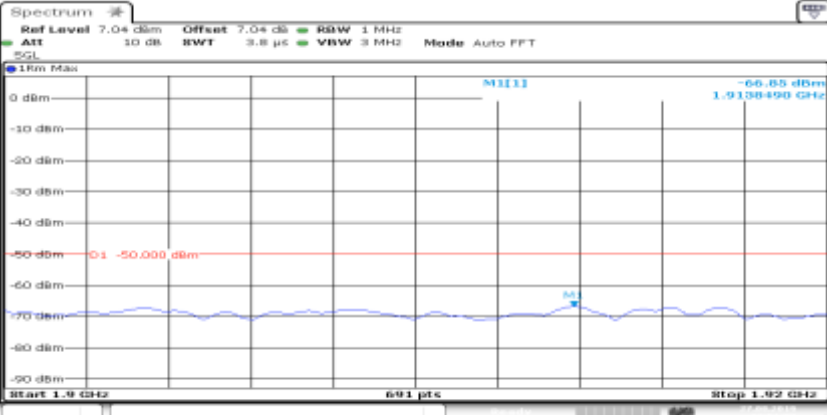
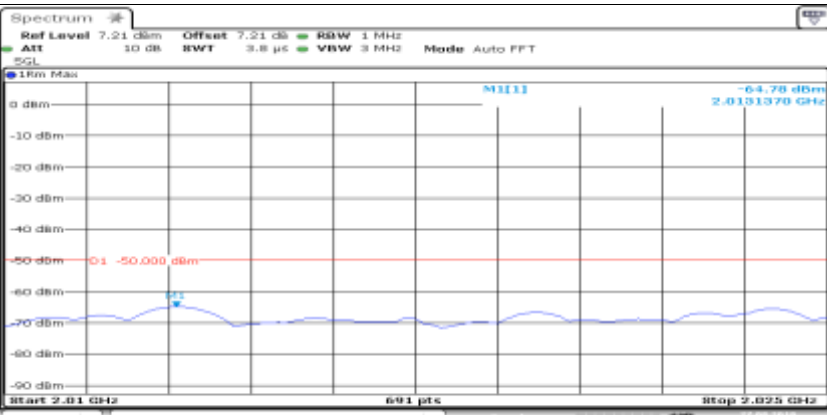
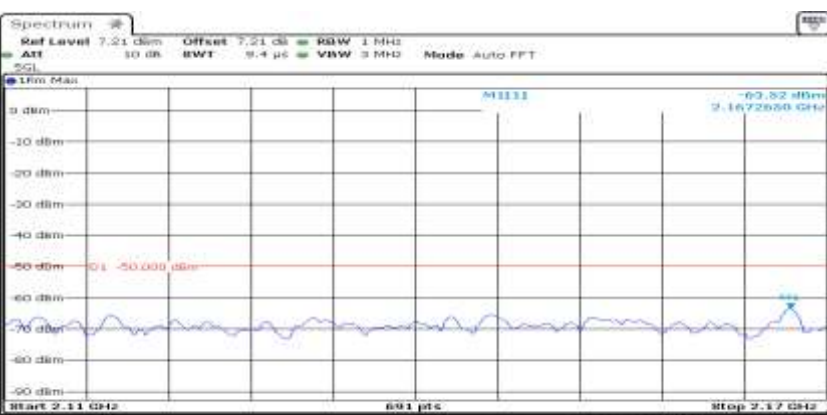
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

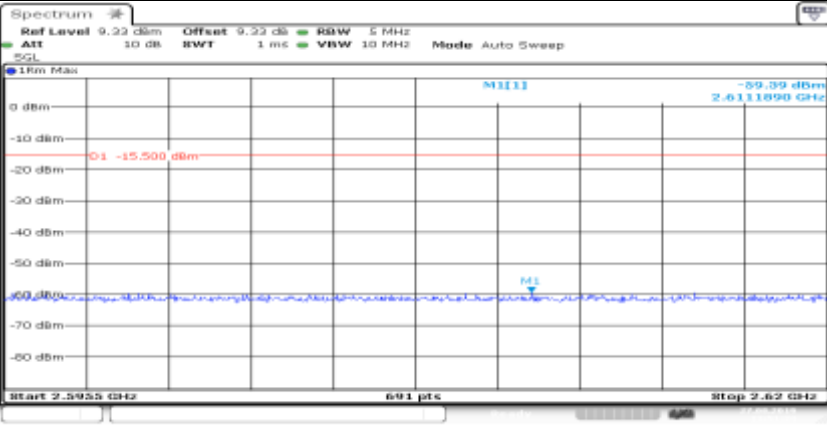

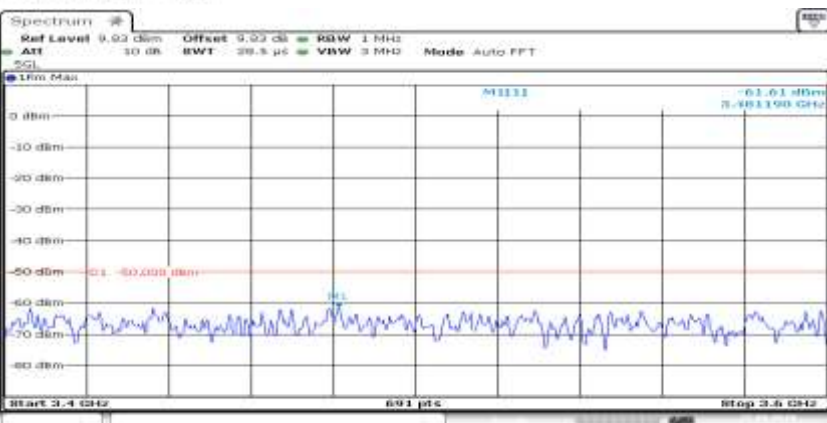
General	
General	
General	

General	
General	
General	

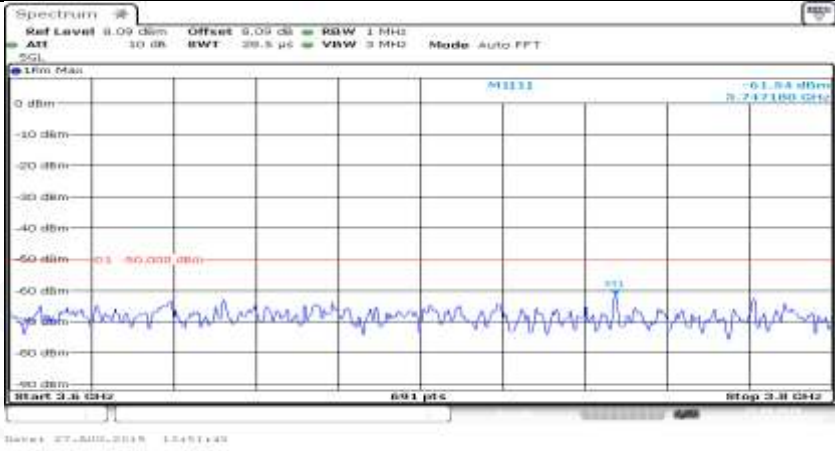
Co-existence	
Co-existence	
Co-existence	

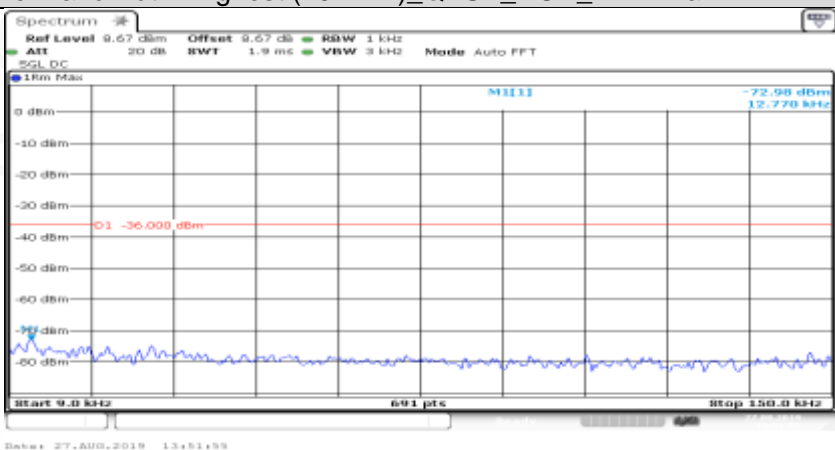
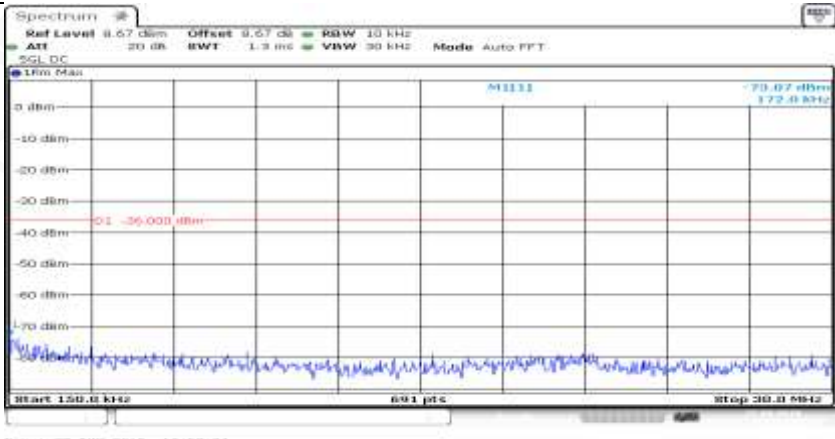
Co-existence	
Co-existence	
Co-existence	

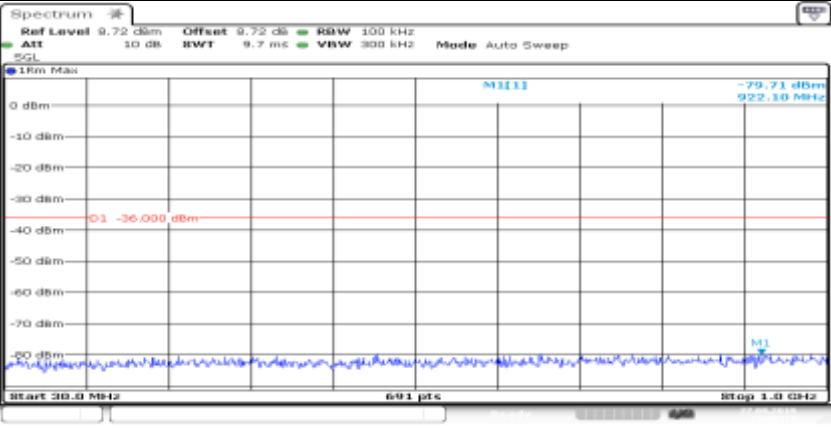
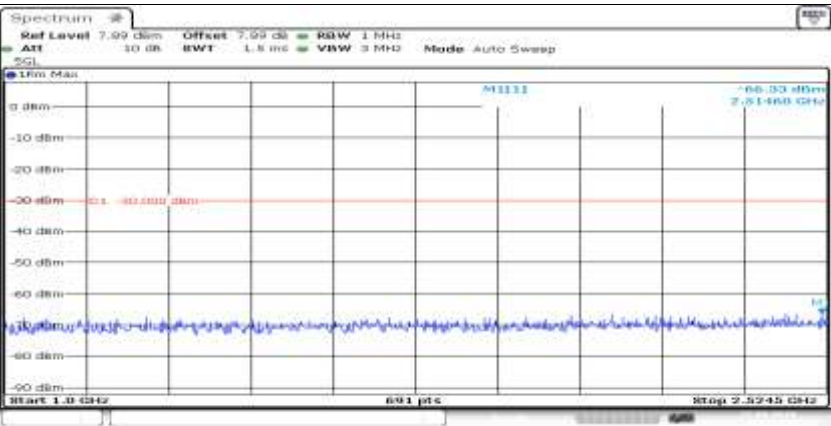
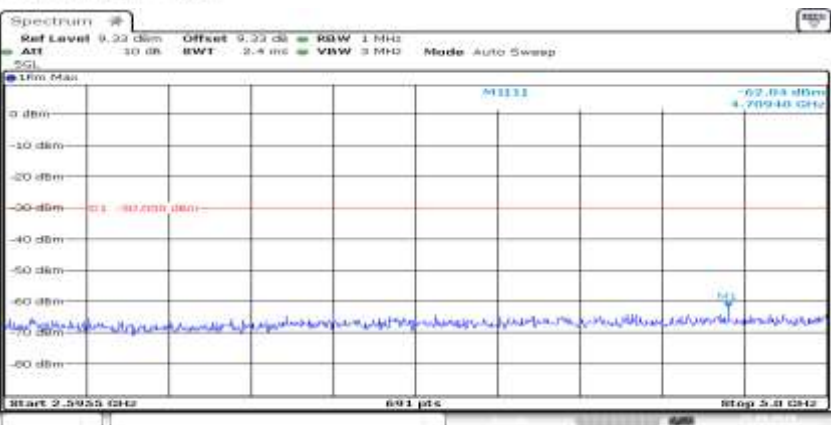


Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 5 MHz</p> <p>ATT 10 dB BWT 1 ms VBW 10 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>M1111 -59.39 dBm 2.6111890 GHz</p> <p>-15.500 dBm</p> <p>Start 2.5955 GHz 691 pts Stop 2.62 GHz</p> <p>Date: 27.AUG.2018 13:51:24</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BWT 0.4 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M1111 -61.30 dBm 2.648926 GHz</p> <p>-50.000 dBm</p> <p>Start 2.62 GHz 691 pts Stop 2.69 GHz</p> <p>Date: 27.AUG.2018 13:51:25</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BWT 20.5 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M1111 -61.61 dBm 2.648150 GHz</p> <p>-50.000 dBm</p> <p>Start 2.6 GHz 691 pts Stop 2.6 GHz</p> <p>Date: 27.AUG.2018 13:51:26</p>

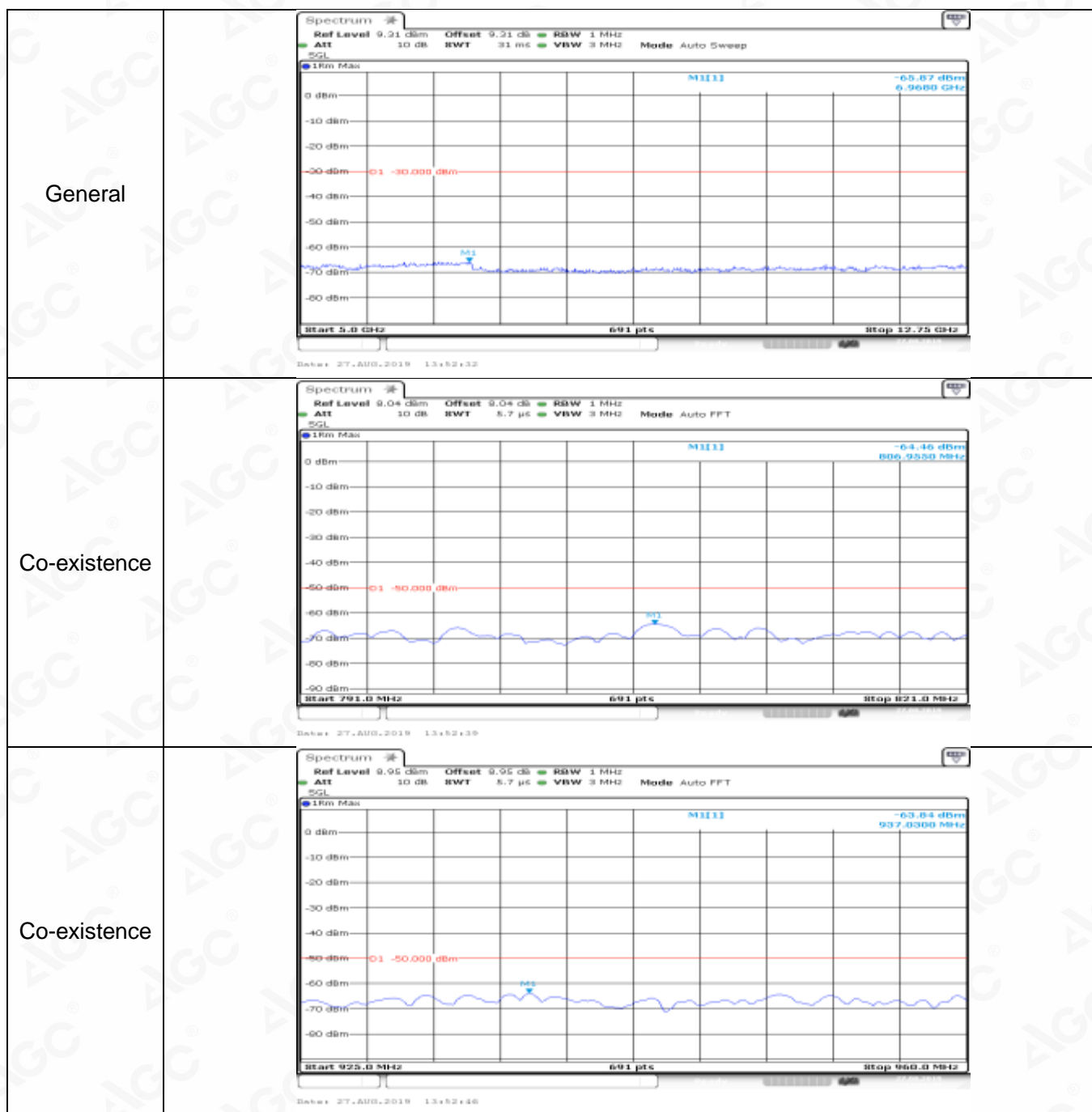


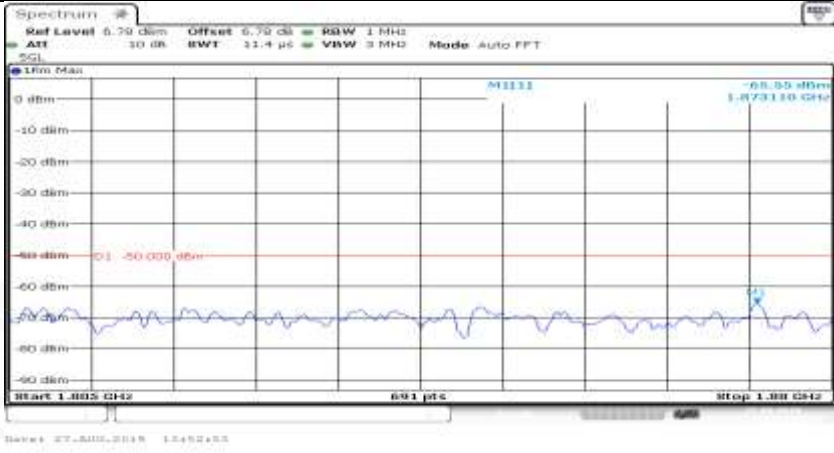
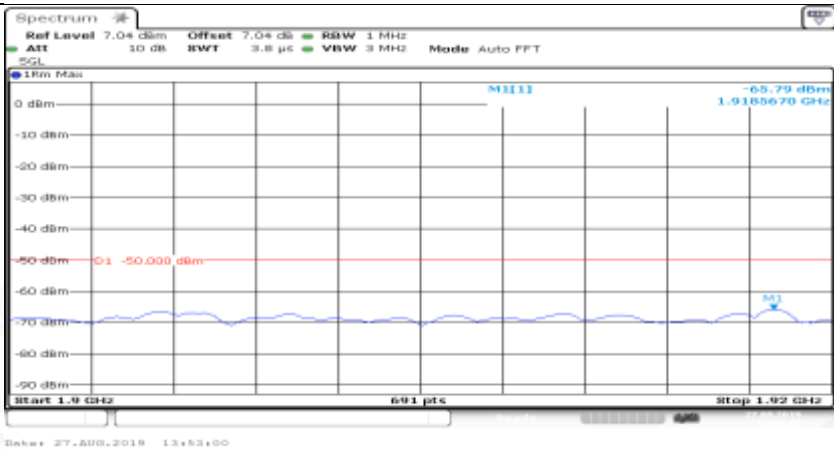
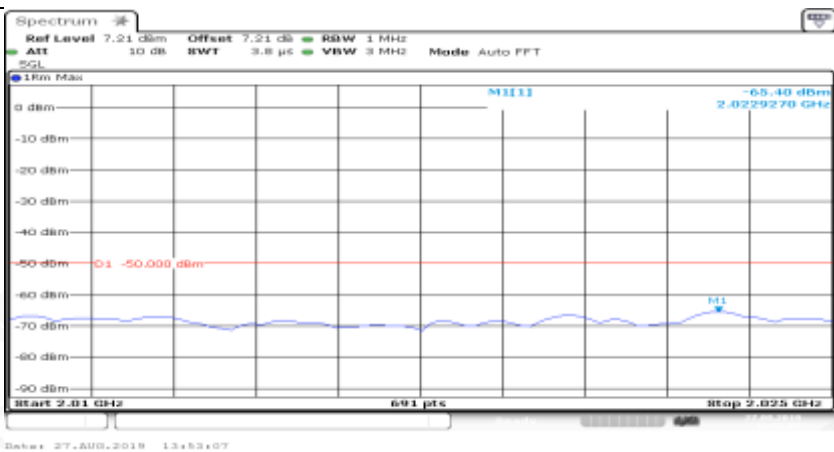
Co-existence	
Additional	NA

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


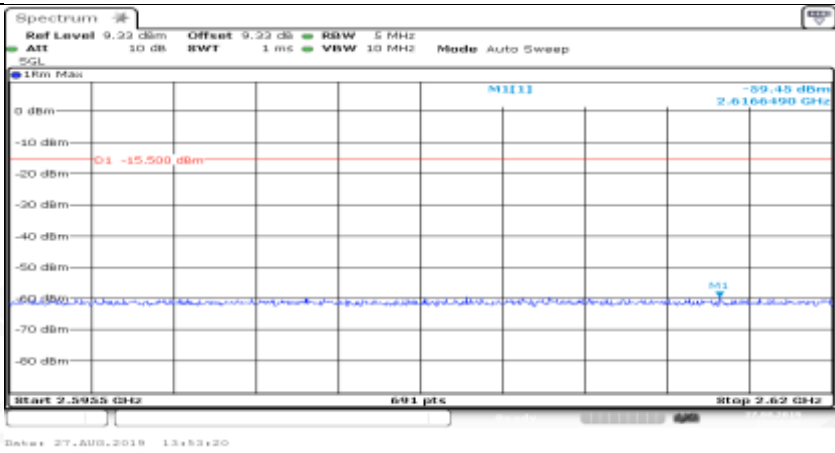

General	
General	
General	


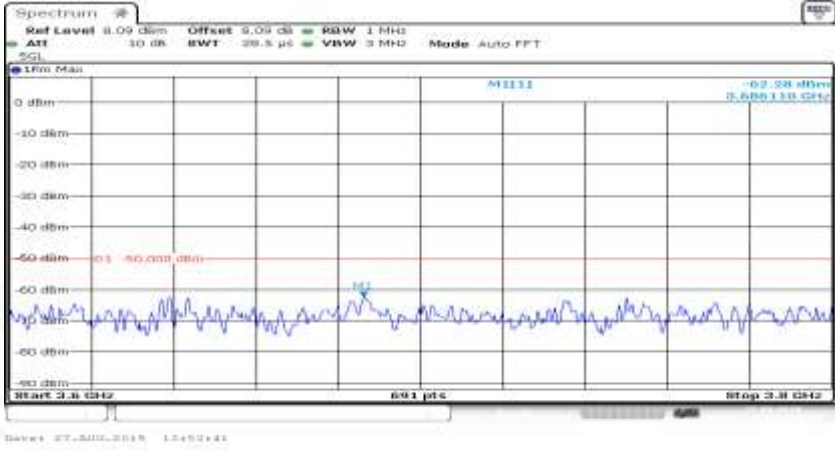


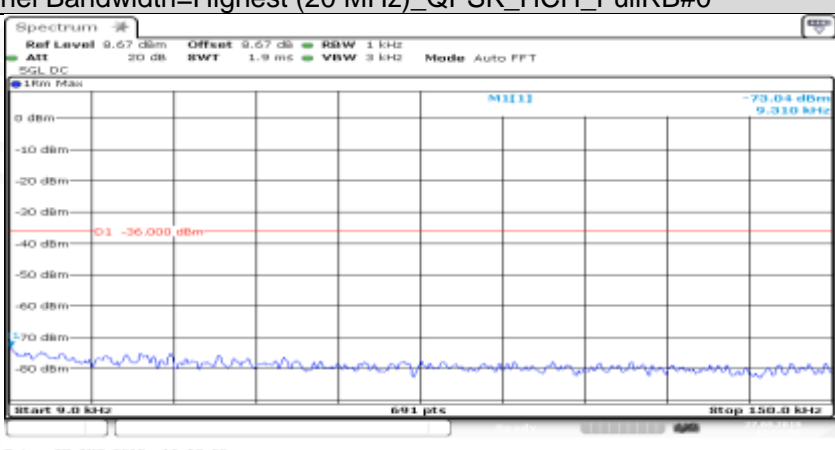


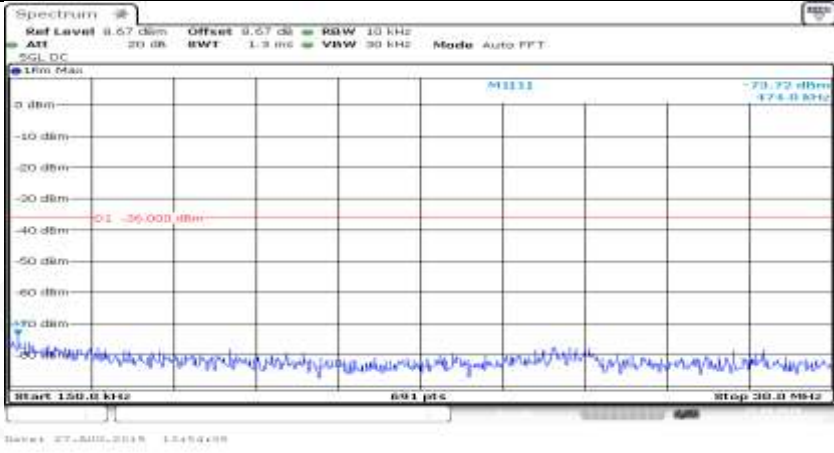
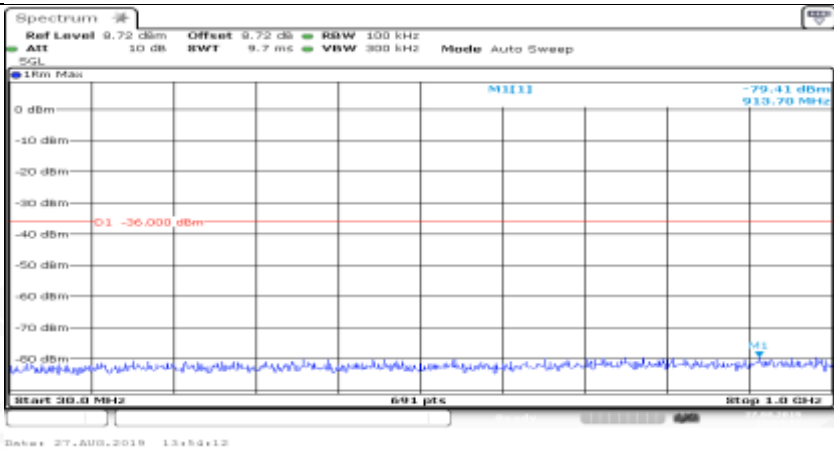
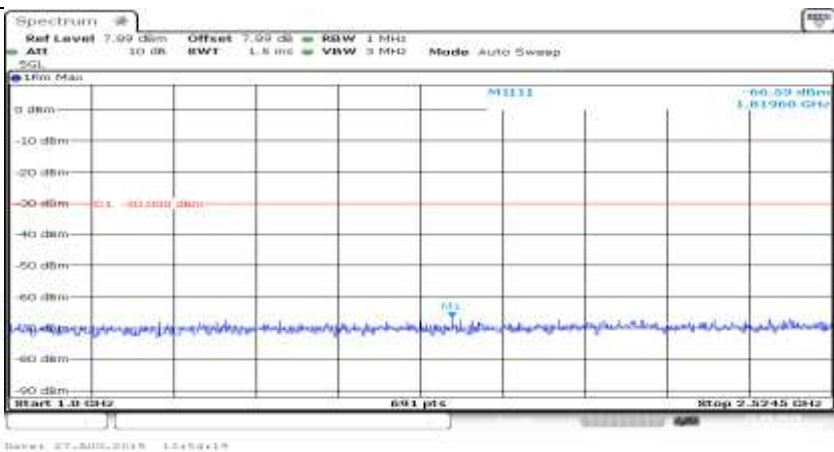
Co-existence	
Co-existence	
Co-existence	



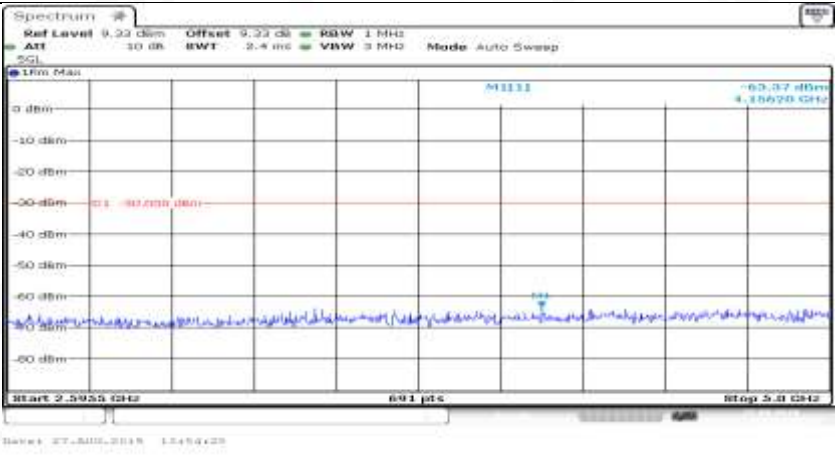
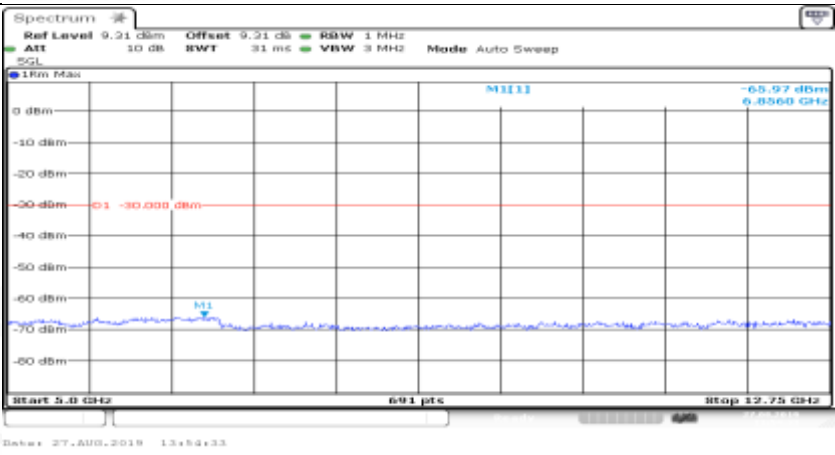
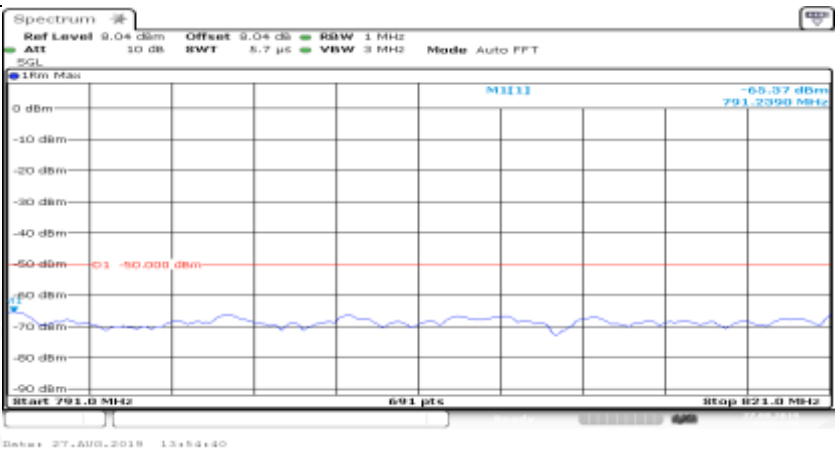
Co-existence	
Co-existence	
Co-existence	

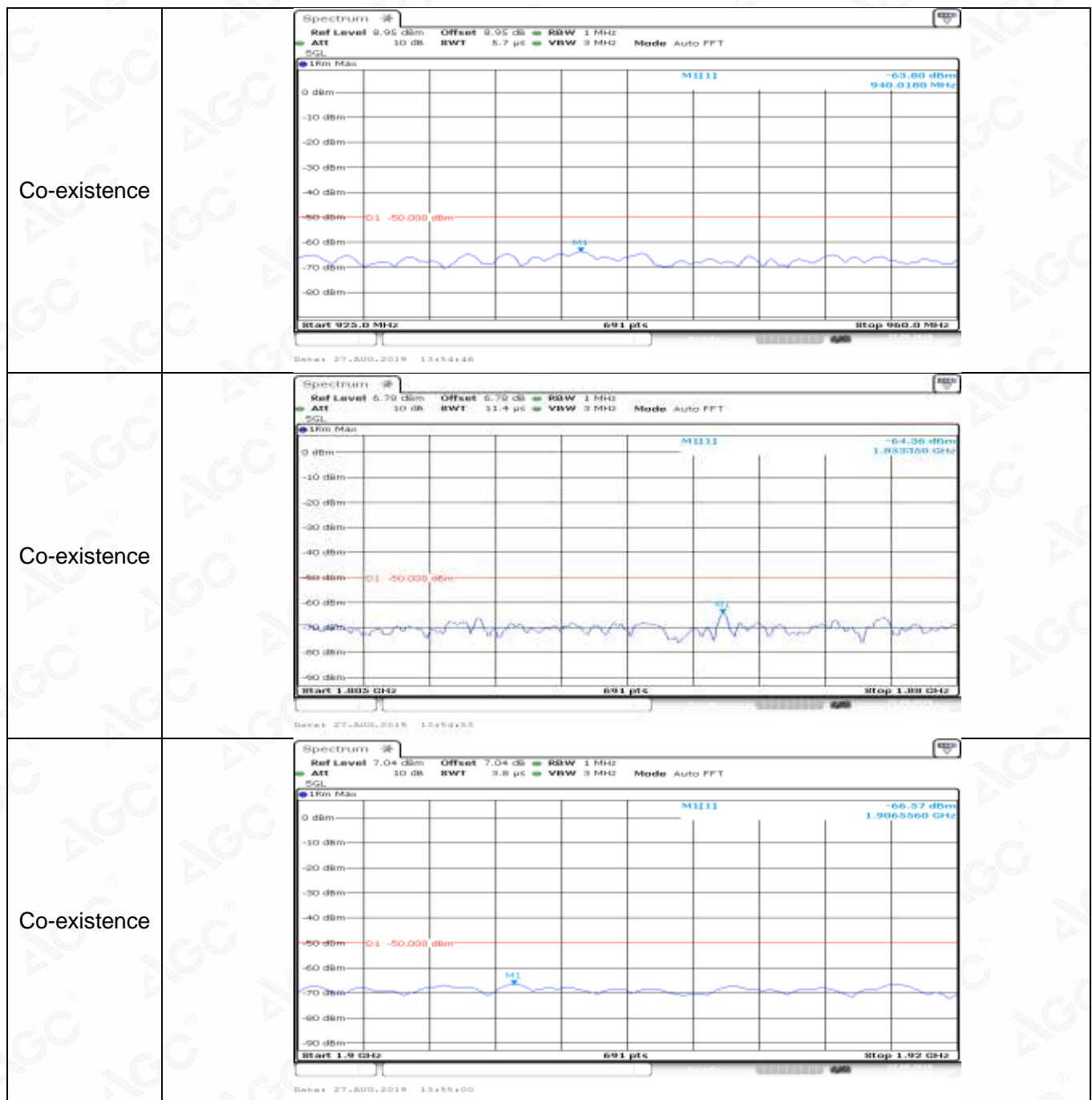
Co-existence	
Co-existence	
Additional	NA

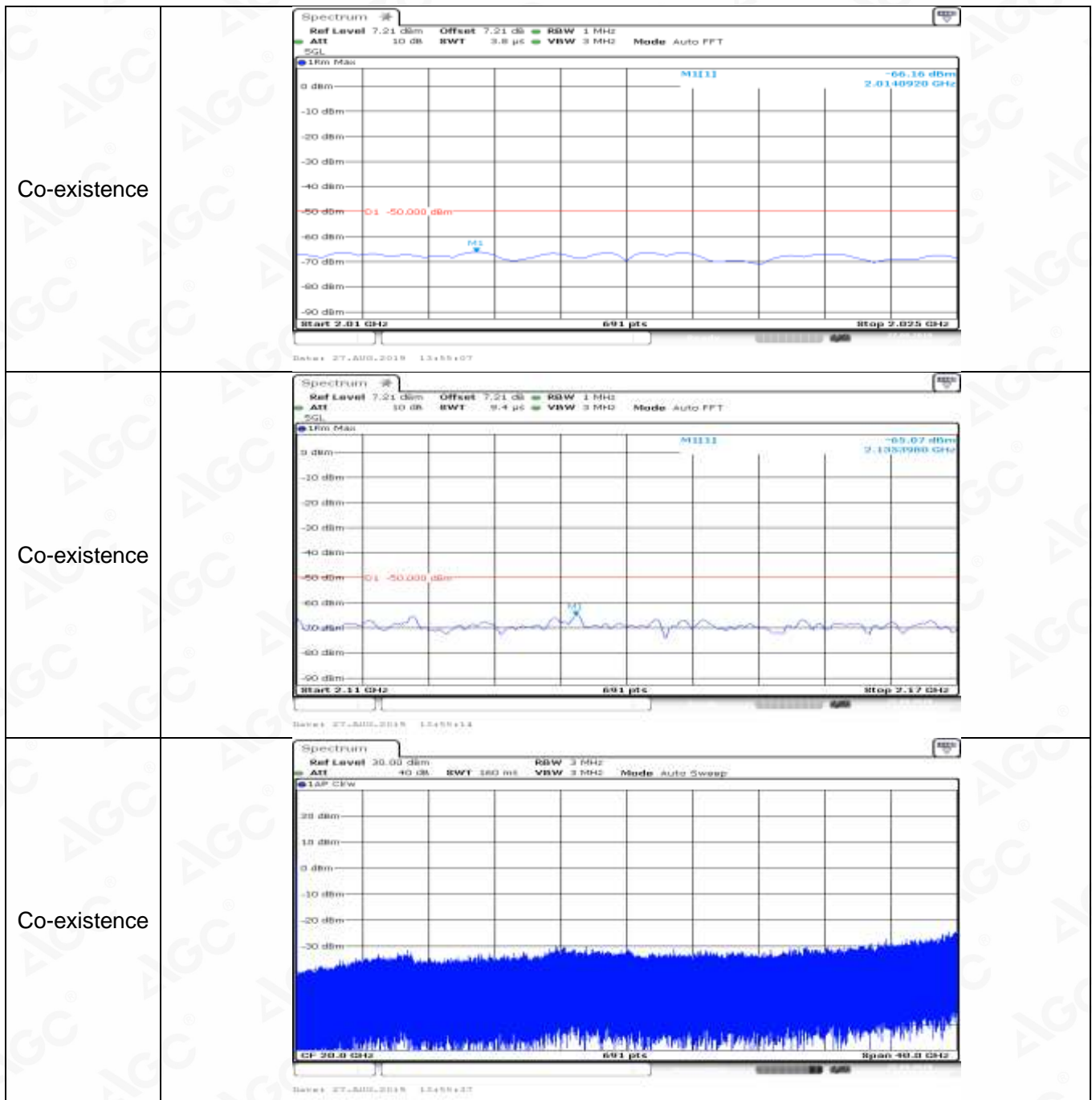
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullRB#0	
General	

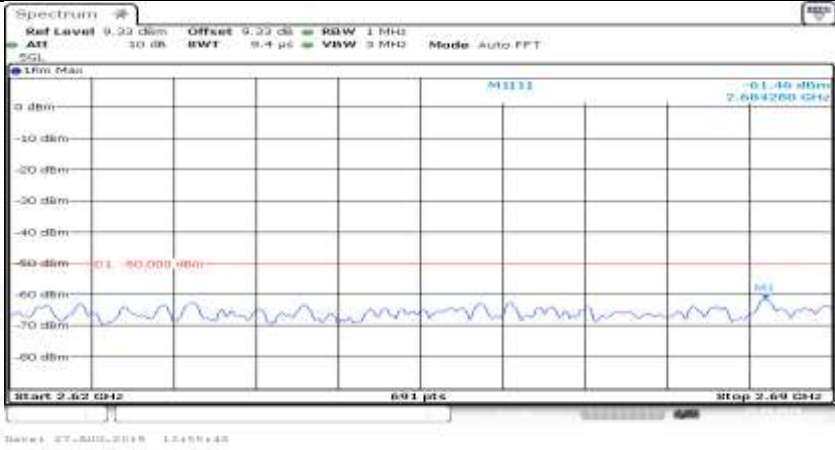

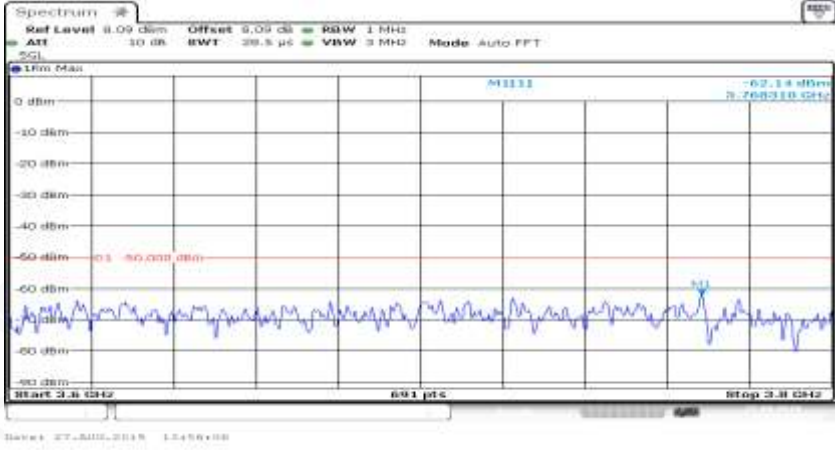
General	
General	
General	



General	
General	
Co-existence	





Co-existence	
Co-existence	
Co-existence	
Additional	NA

6. Receiver Spurious Emissions

Test Result

NTNV

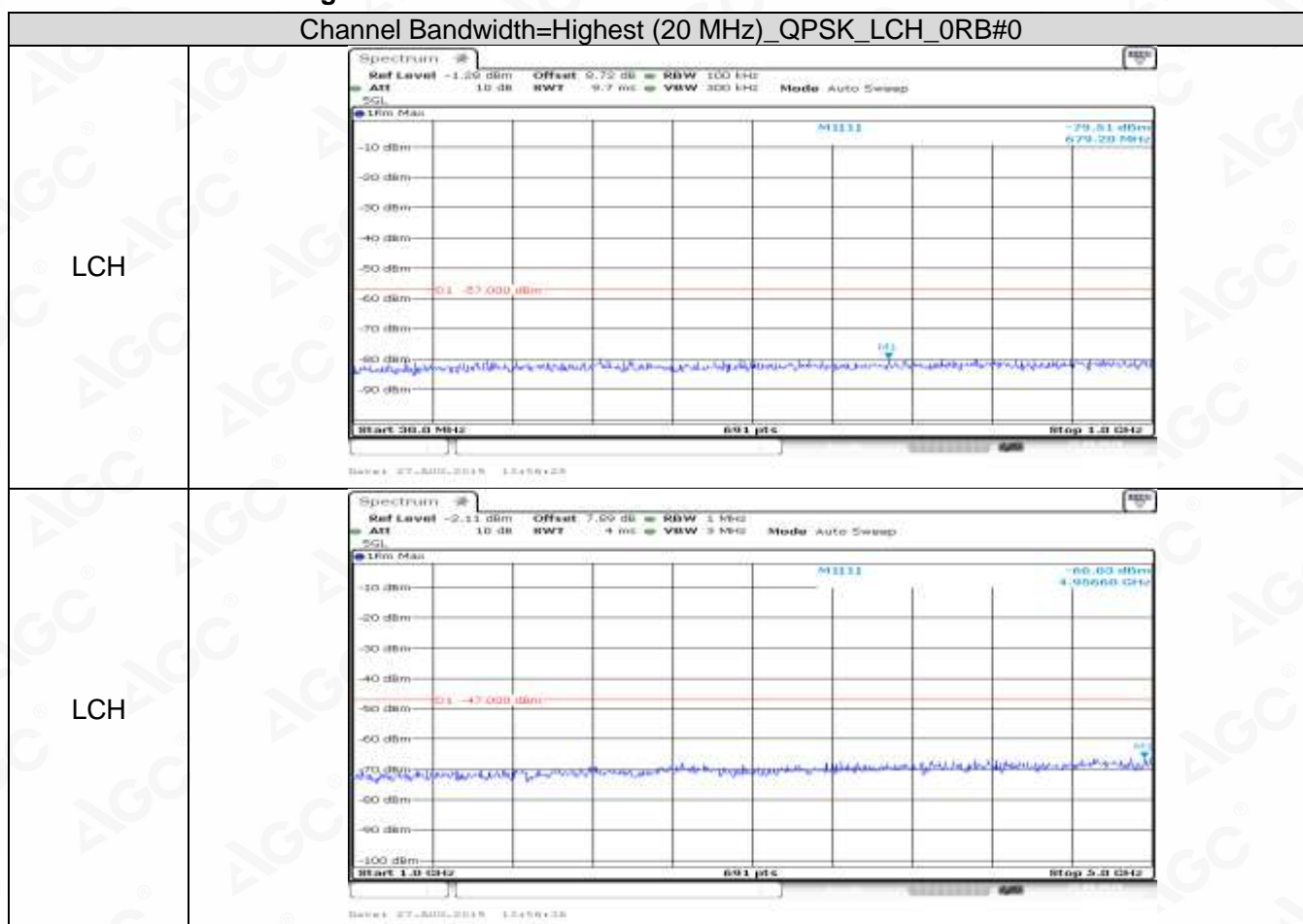
Channel Bandwidth=Highest

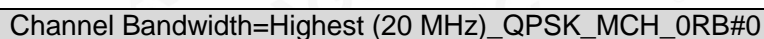
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

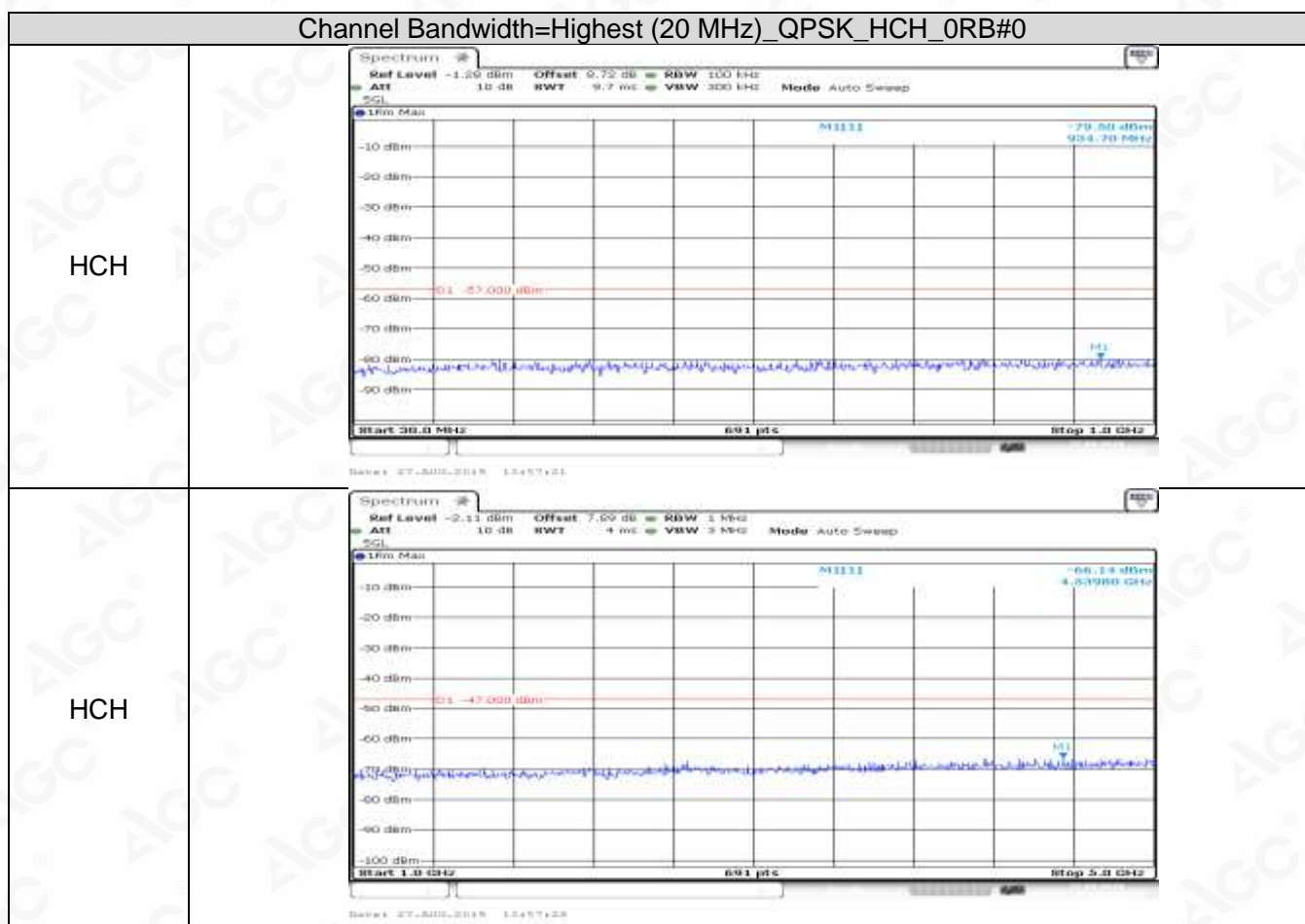
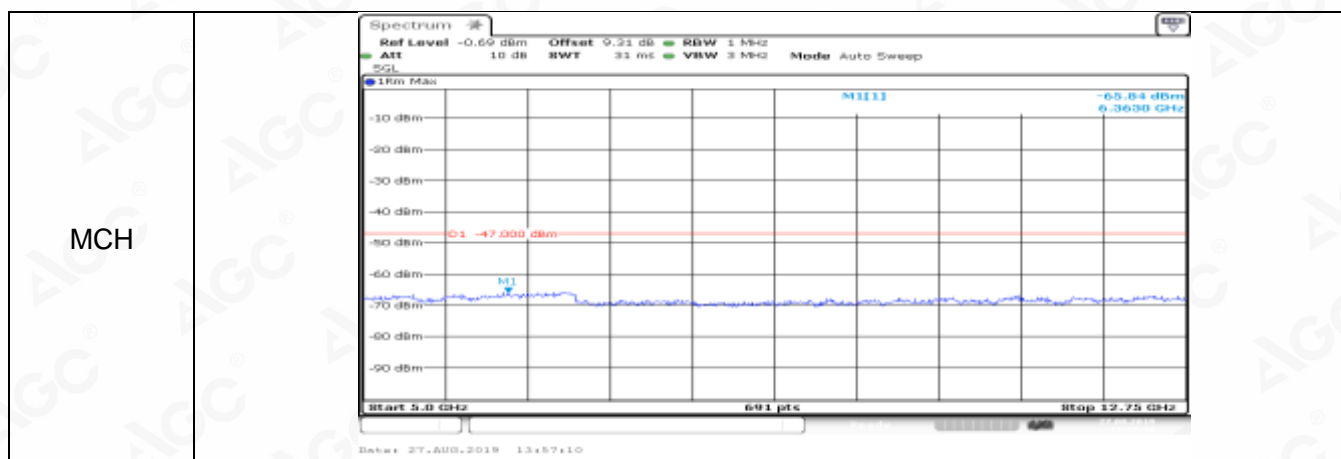
Test Graphs

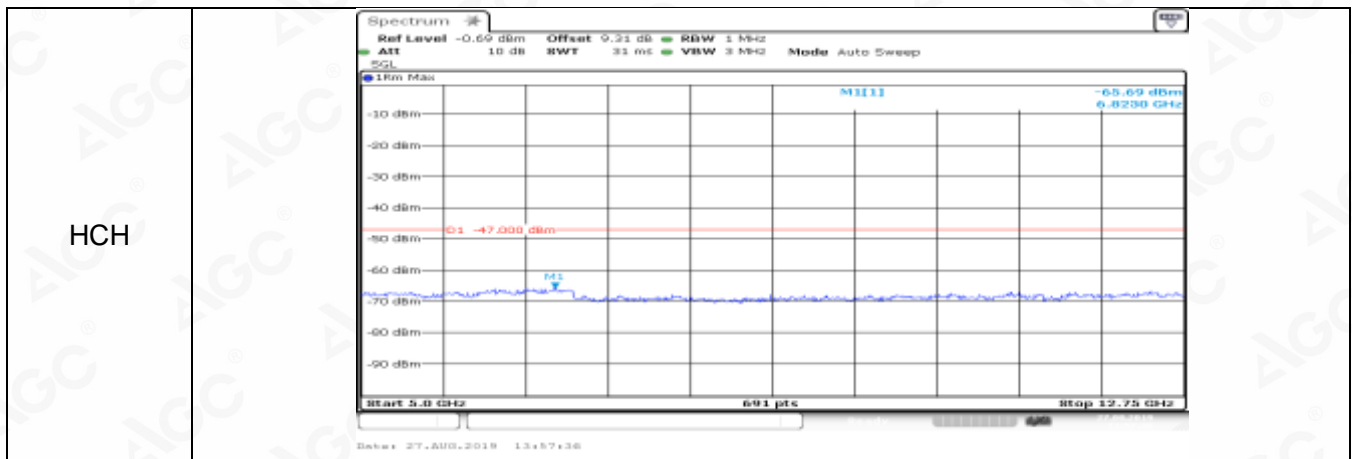
NTNV

Channel Bandwidth=Highest









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7. Receiver Adjacent Channel Selectivity (ACS)

Test Results

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

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



8. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

Out-of Band Blocking

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

Narrow Band

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



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9. Receiver Spurious Response

Test Results

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

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



10. Receiver Intermodulation Characteristics

Test Results

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

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



11. Receiver Reference Sensitivity Level

Test Results

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

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



12. Radiated spurious emissions - MS in idle mode

Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-70.52	-70.63	-70.44
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-68.55	-68.47	-68.63
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.12	-71.15	-71.10



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Appendix D for Band 8

1. Transmitter Maximum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.26	Pass
					max	23.25	Pass
				Partial	0	23.33	Pass
					max	23.39	Pass
			Mid range	1	0	23.30	Pass
					max	23.31	Pass
				Partial	0	23.36	Pass
					max	23.39	Pass
			High range	1	0	23.43	Pass
					max	23.42	Pass
				Partial	0	23.56	Pass
					max	23.57	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	23.18	Pass
					max	23.24	Pass
				Partial	0	23.22	Pass
					max	23.21	Pass
			Mid range	1	0	23.22	Pass
					max	23.28	Pass
				Partial	0	23.26	Pass
					max	23.36	Pass
			High range	1	0	23.46	Pass
					max	23.38	Pass
				Partial	0	23.49	Pass
					max	23.49	Pass

					max	23.42	Pass
--	--	--	--	--	-----	-------	------

Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	1	0	23.18	Pass
					max	23.25	Pass
				Partial	0	23.15	Pass
					max	23.29	Pass
			Mid range	1	0	23.22	Pass
					max	23.22	Pass
				Partial	0	23.23	Pass
					max	23.27	Pass
			High range	1	0	23.38	Pass
					max	23.38	Pass
				Partial	0	23.50	Pass
					max	23.41	Pass



2. Transmitter Minimum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-49.74	Pass
			Mid range	Full	0	-50.59	Pass
			High range	Full	0	-50.25	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-50.80	Pass
			Mid range	Full	0	-50.87	Pass
			High range	Full	0	-50.66	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	-50.65	Pass
			Mid range	Full	0	-50.74	Pass
			High range	Full	0	-50.62	Pass



3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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



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

Channel Bandwidth=Highest (10 MHz)

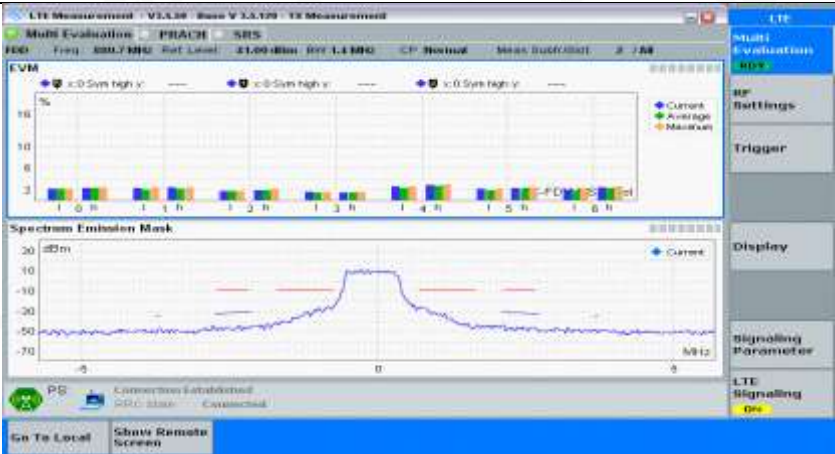
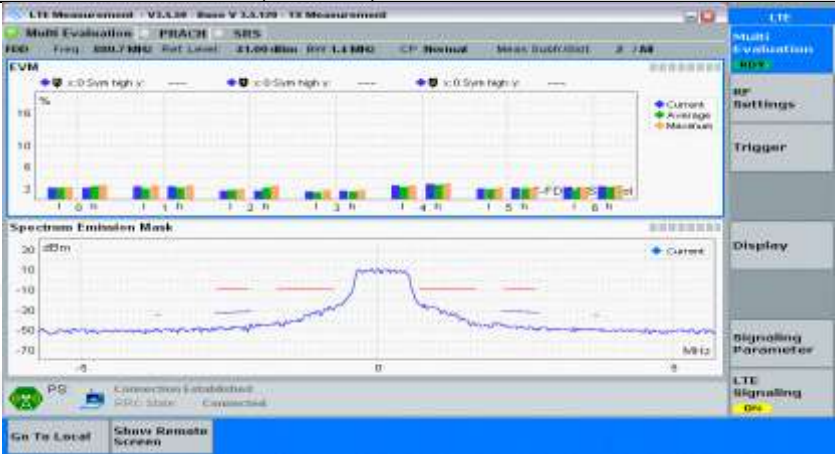
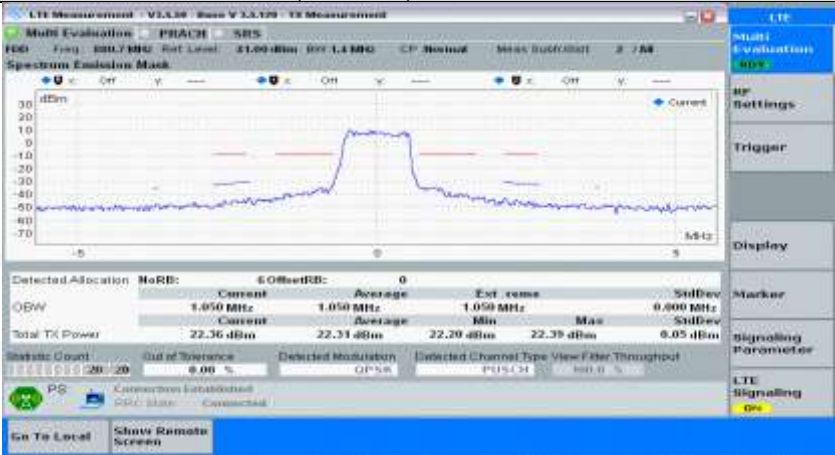
Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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

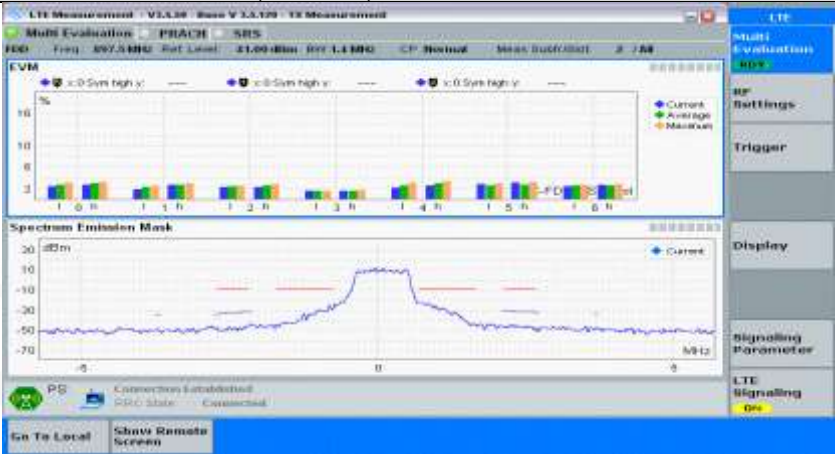
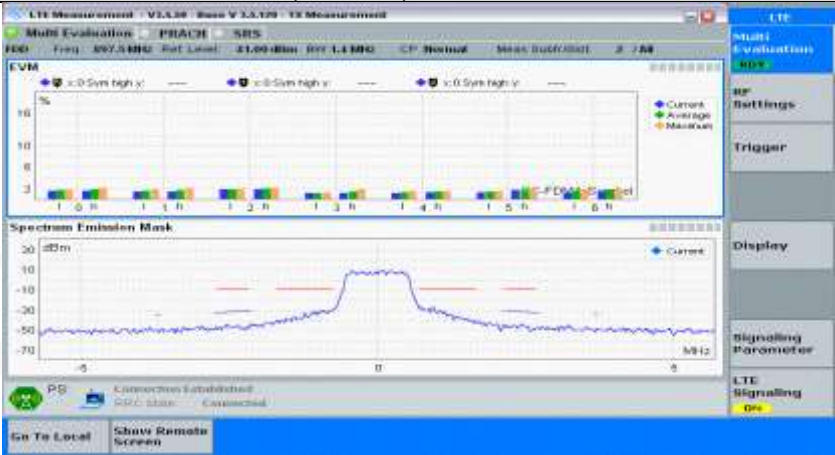
Test Graphs

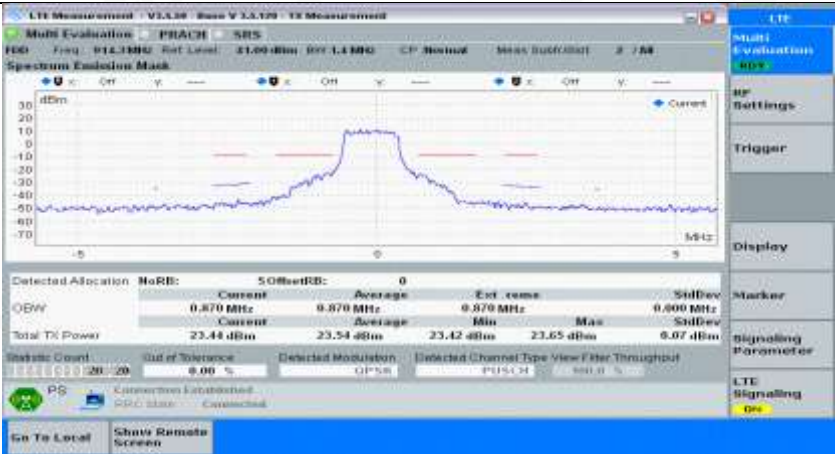
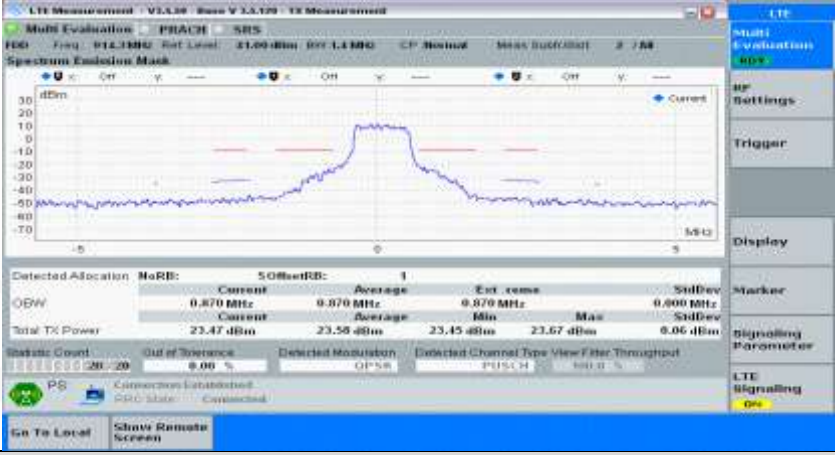
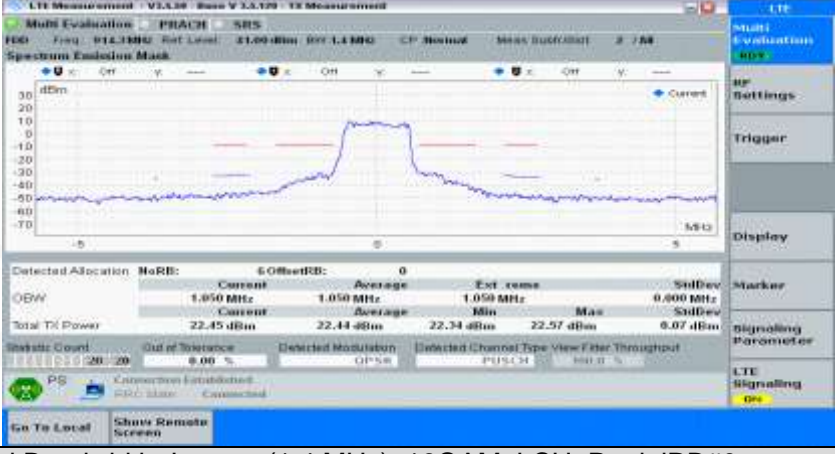
NTNV

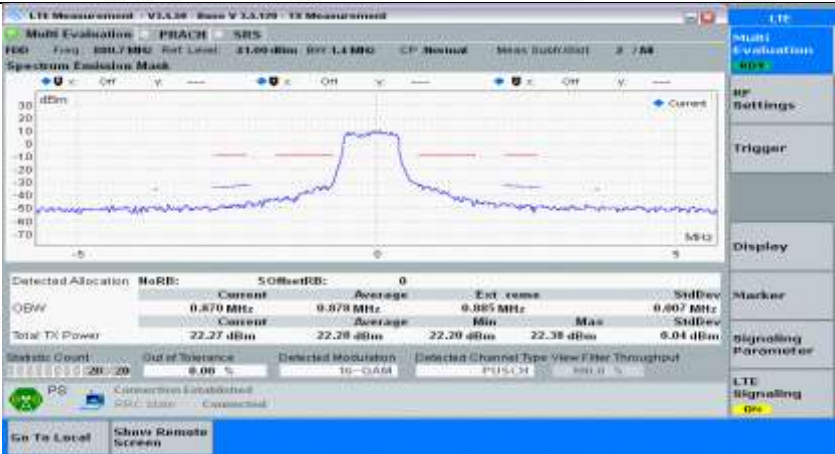
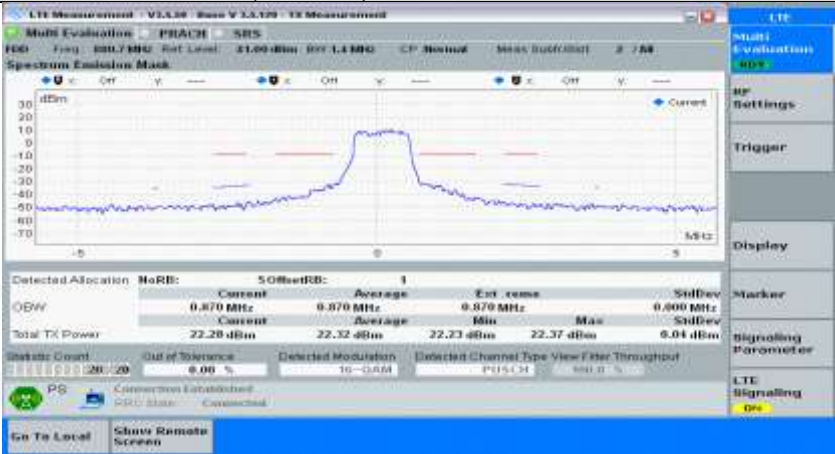
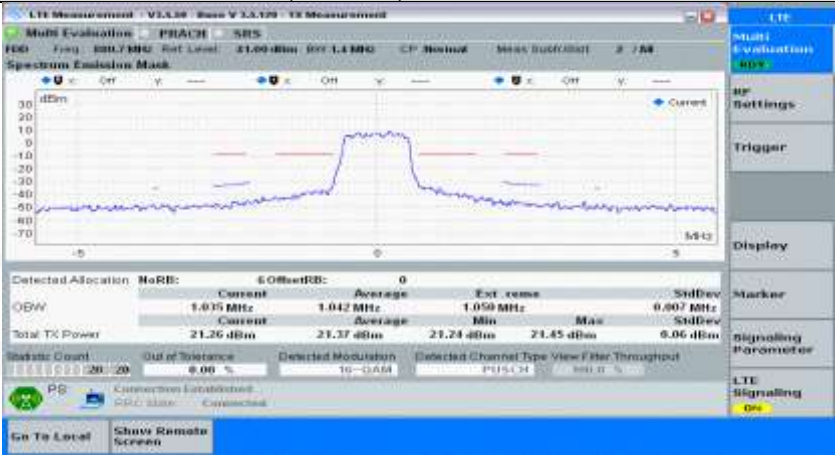
Channel Bandwidth=Lowest (1.4 MHz)

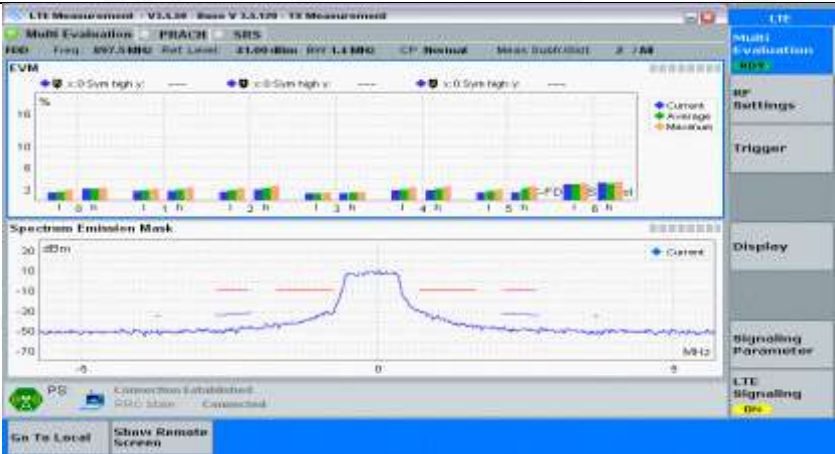
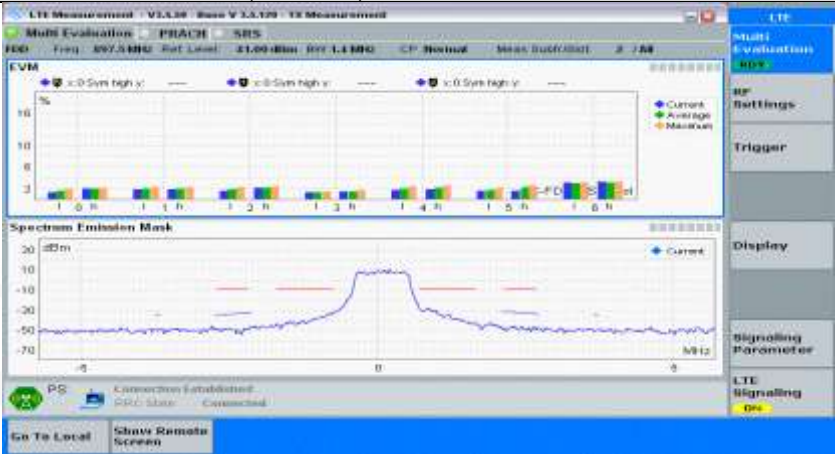
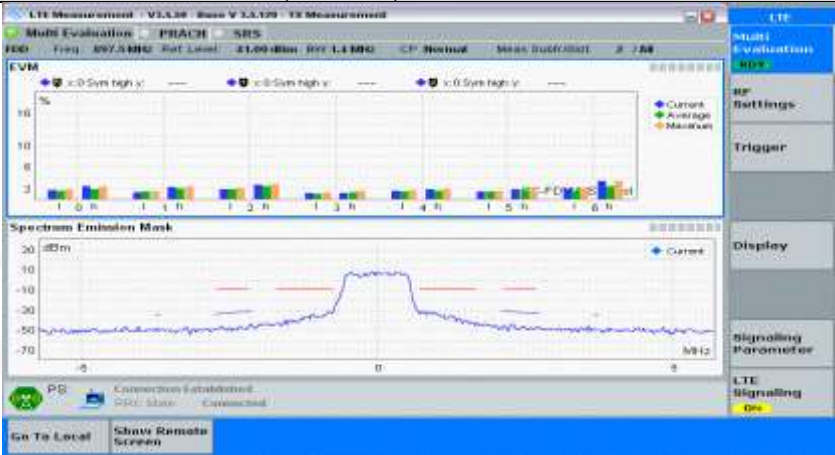
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#0

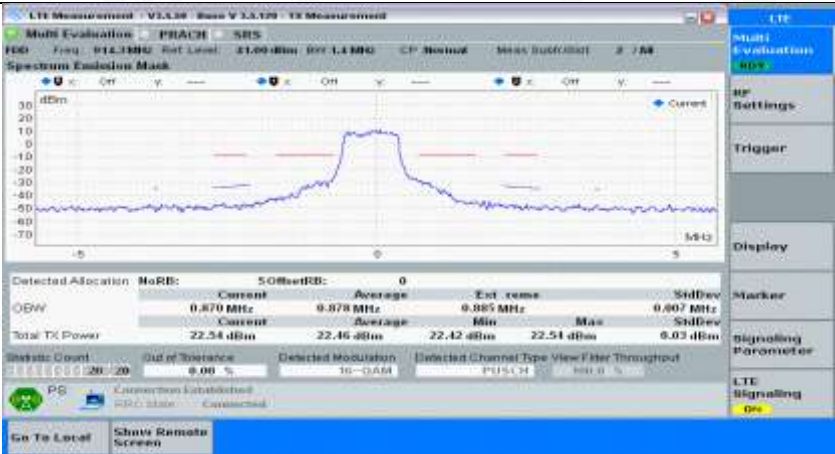
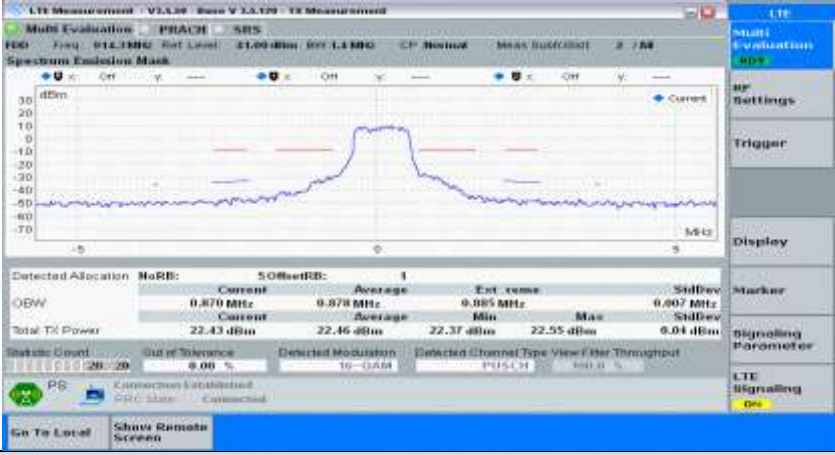
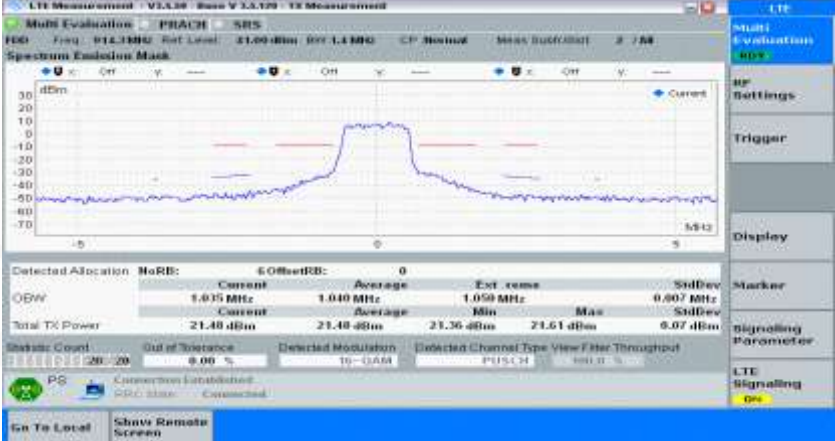
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0	

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

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

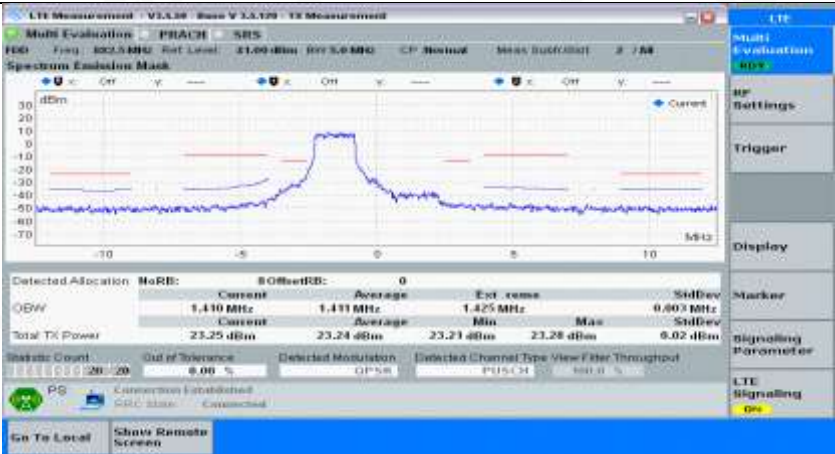
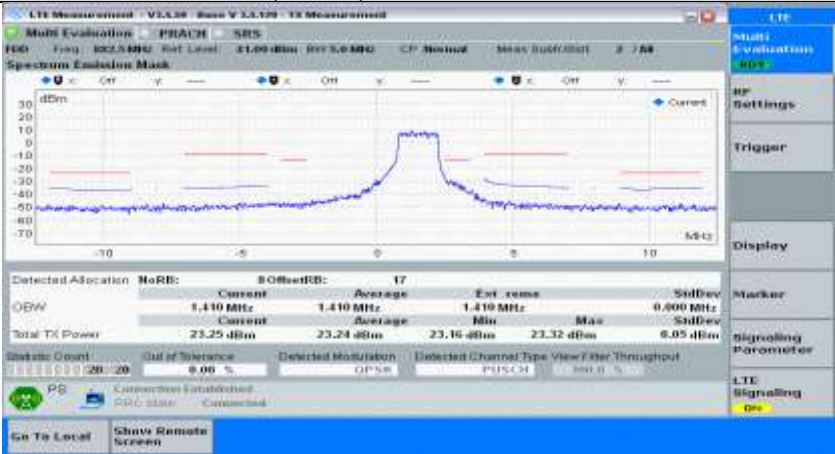
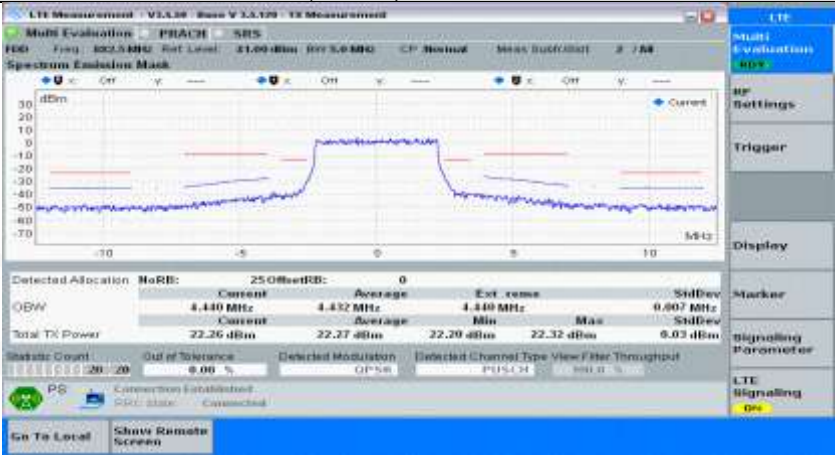
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0	


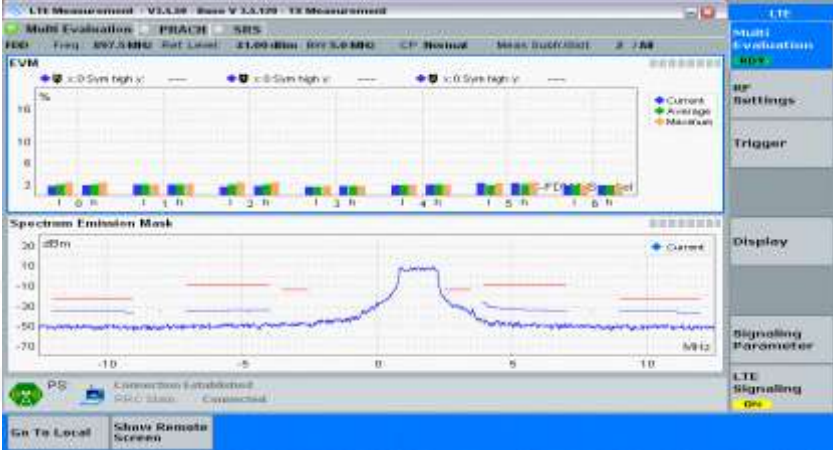
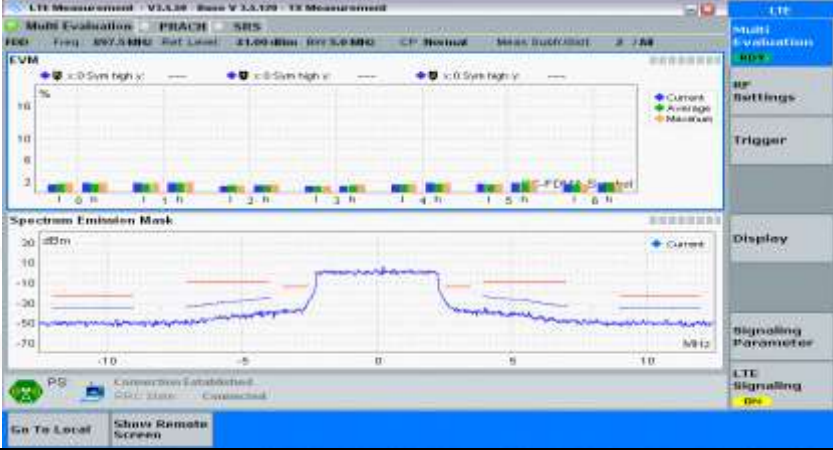
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0	


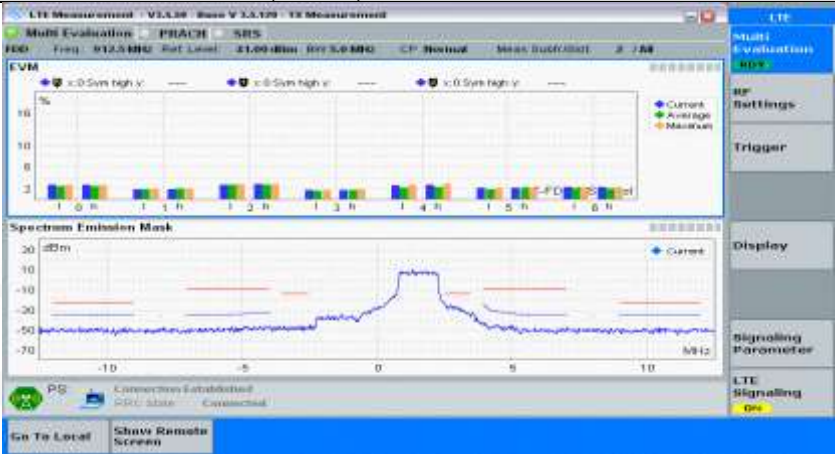
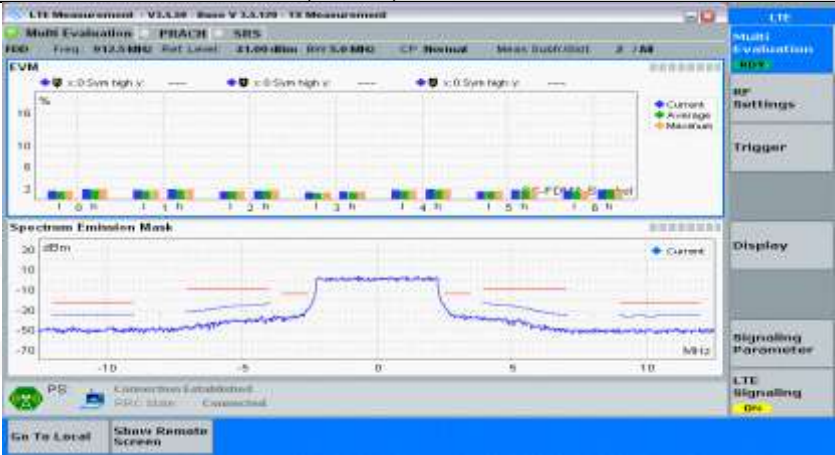
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0	
16QAM	


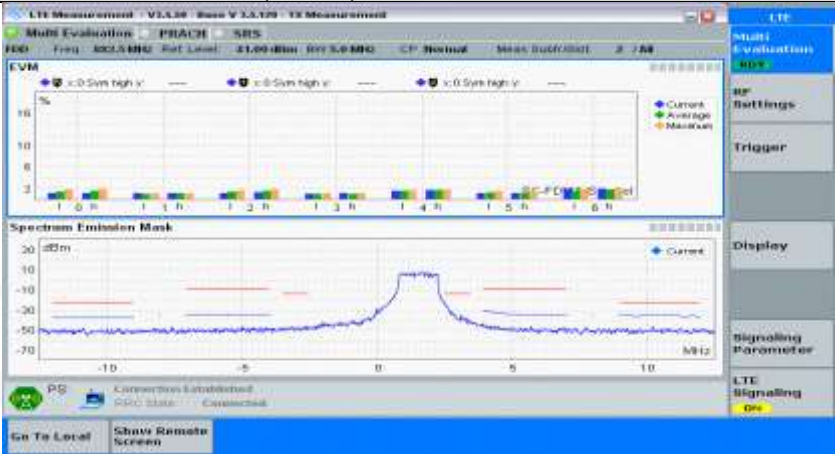
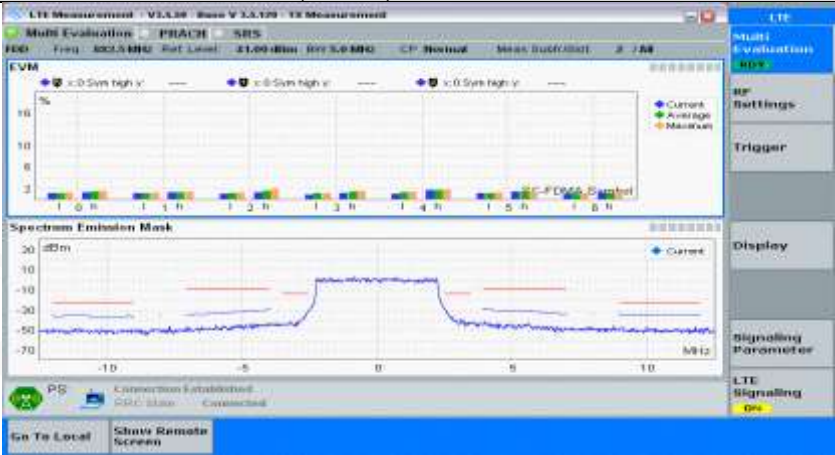
Channel Bandwidth=(5 MHz)

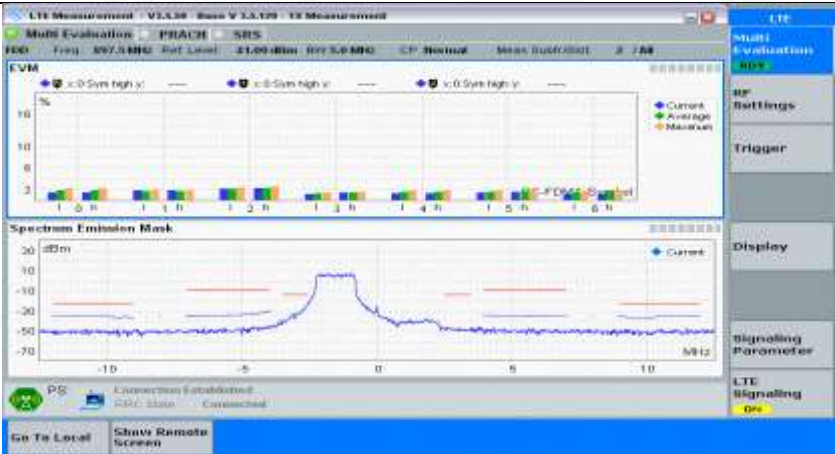
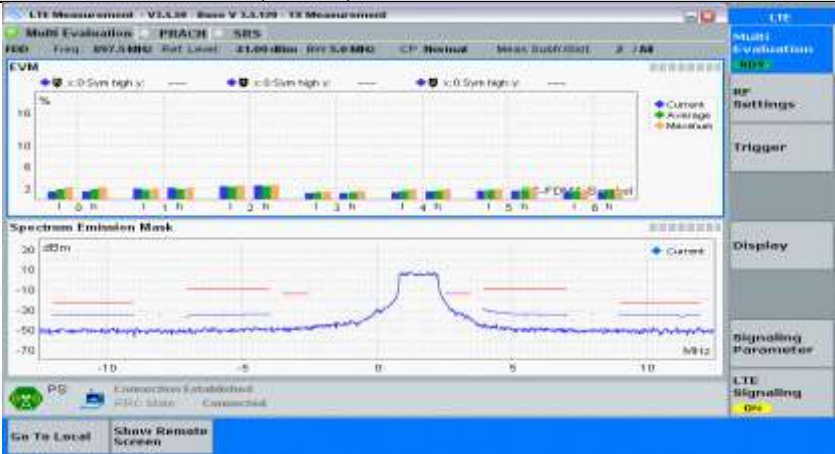
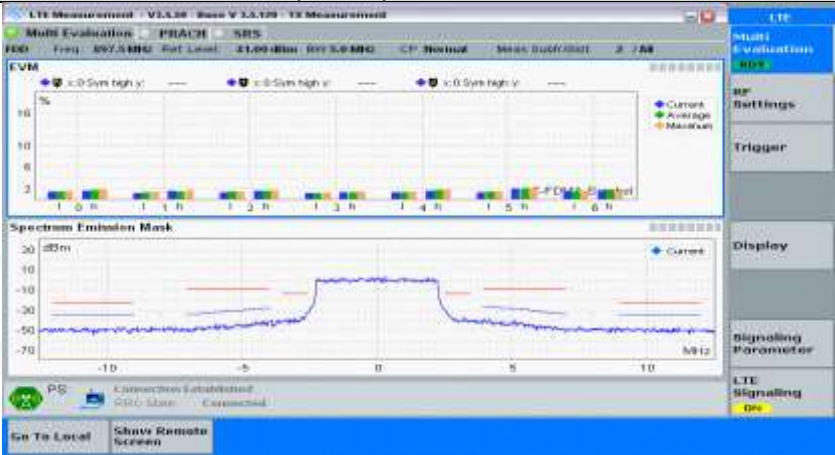
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0


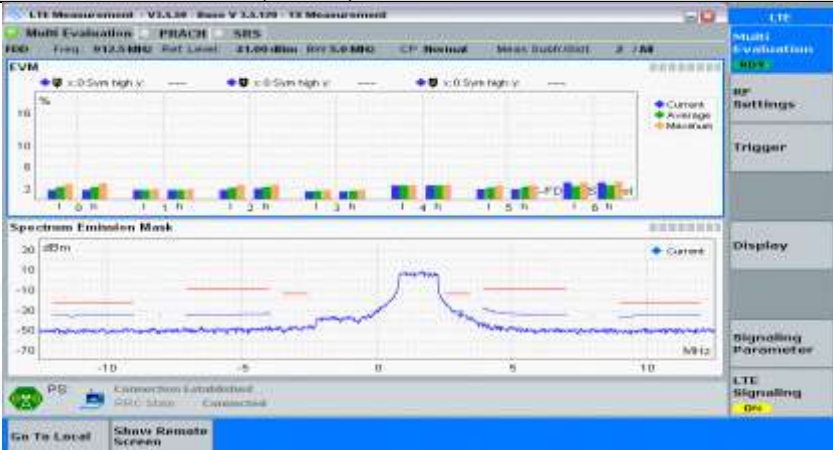
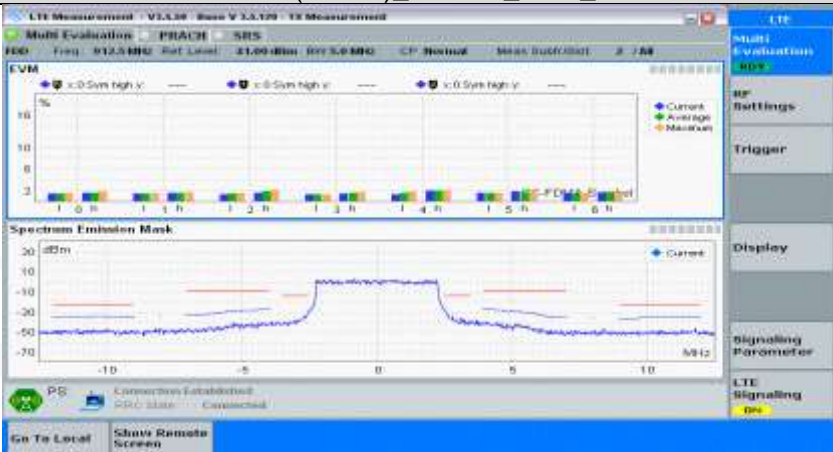
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	

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

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

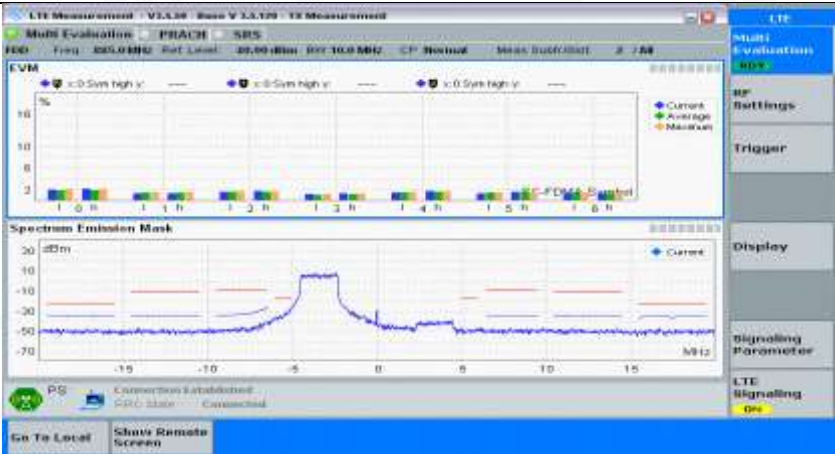
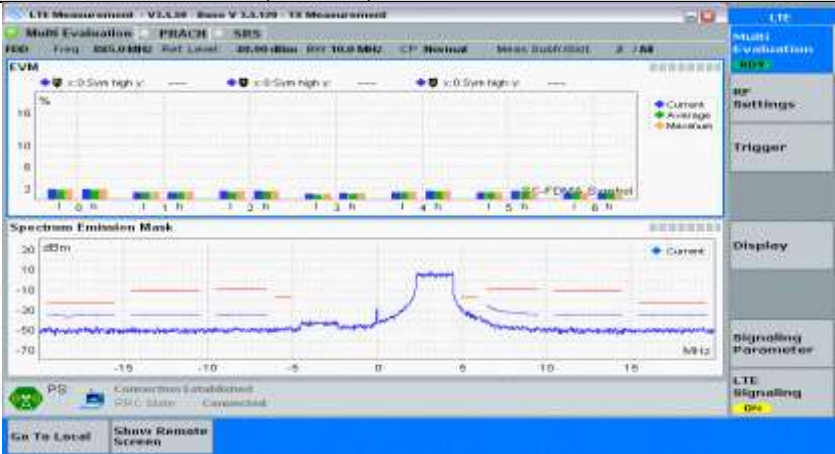
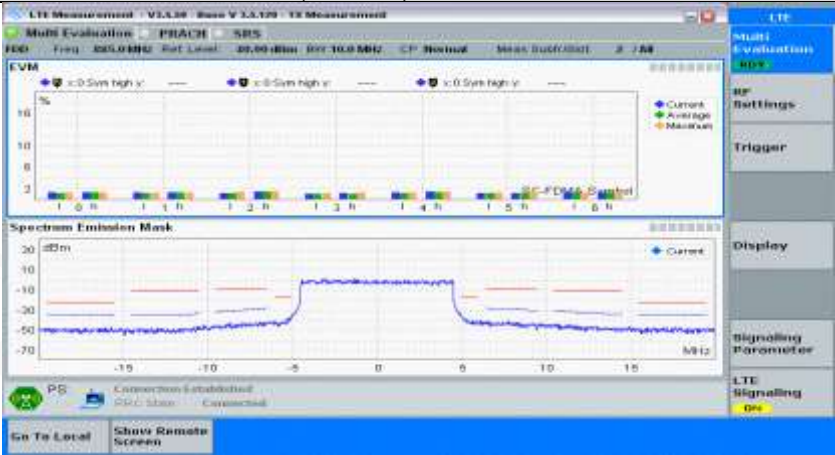
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

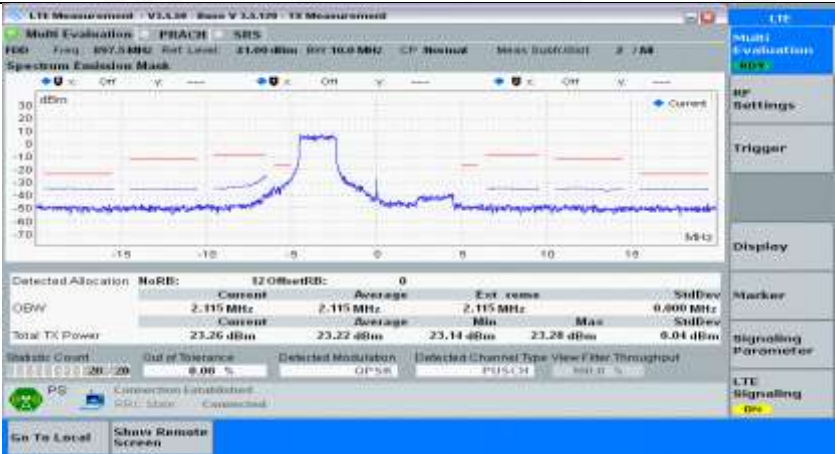
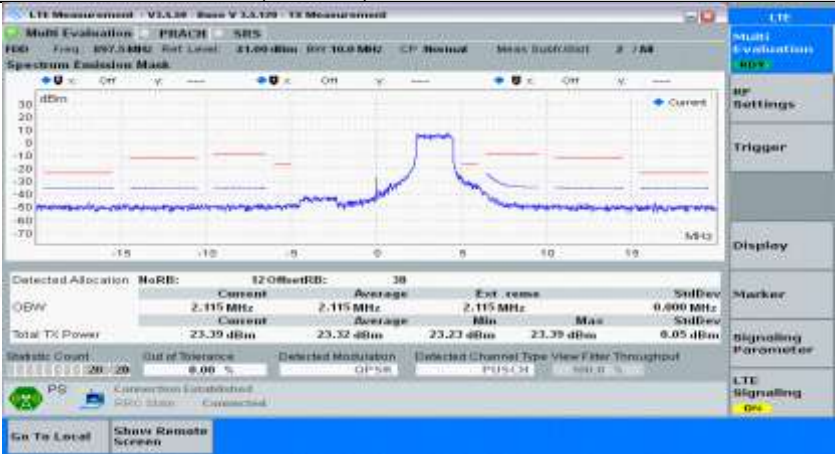

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

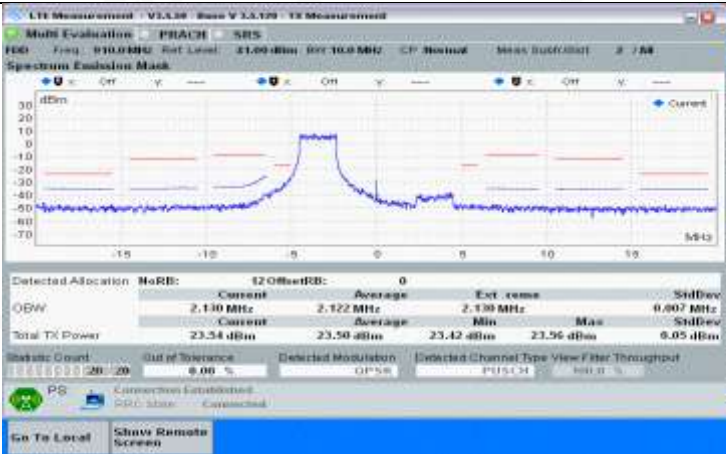
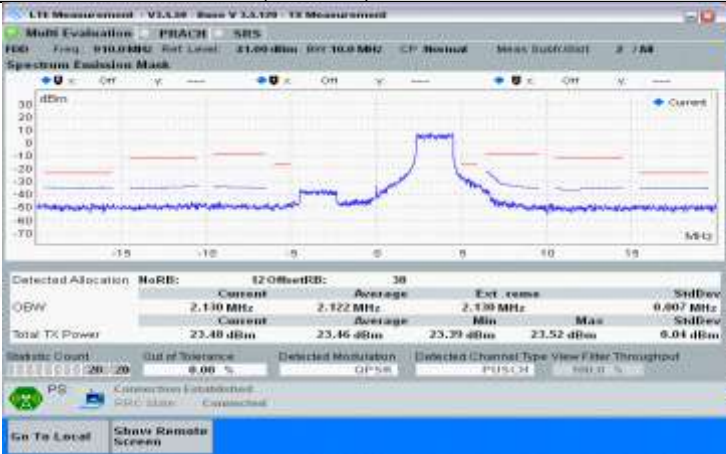
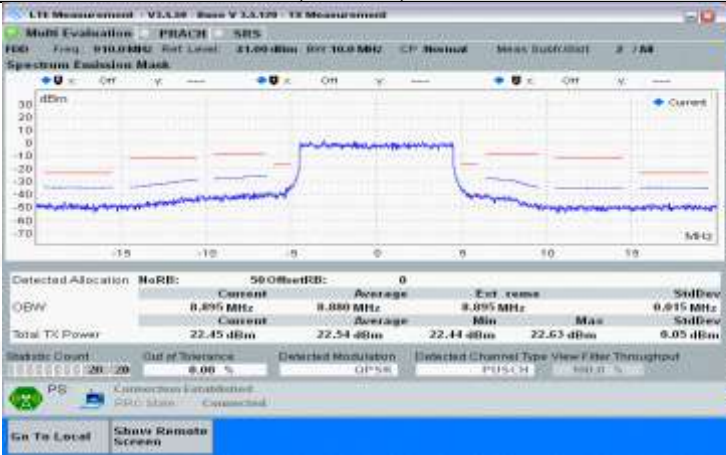
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

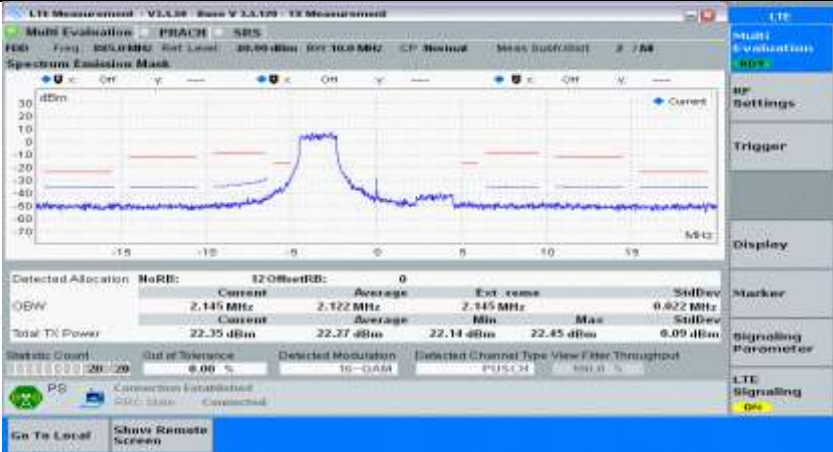
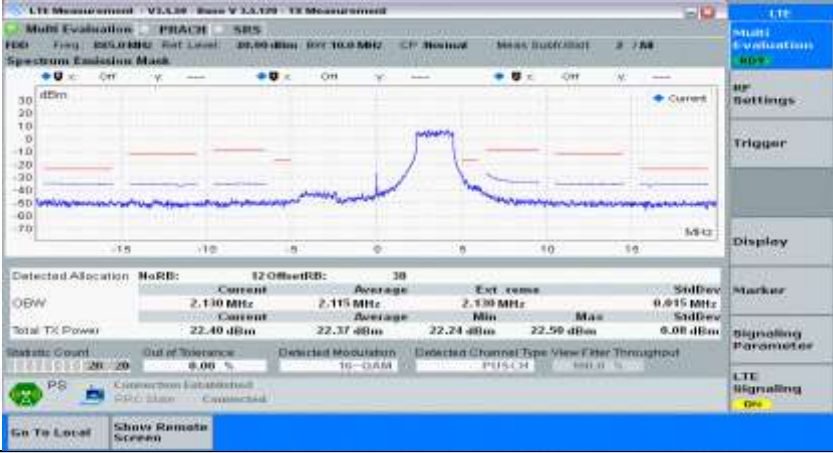
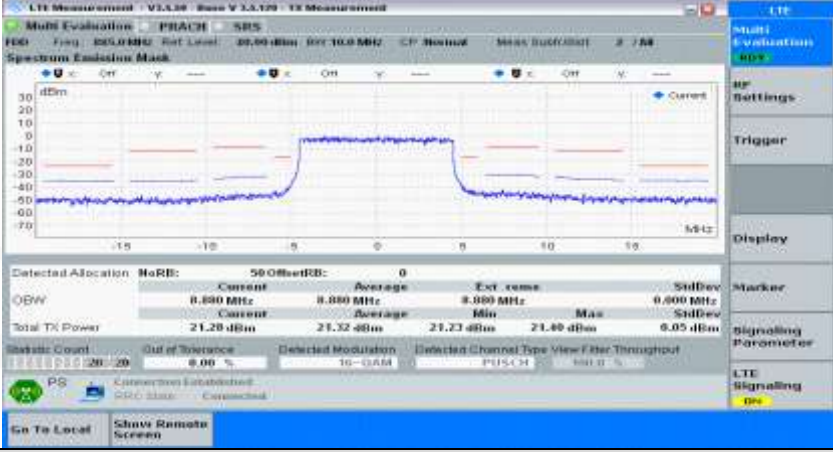
Channel Bandwidth=Highest (10 MHz)

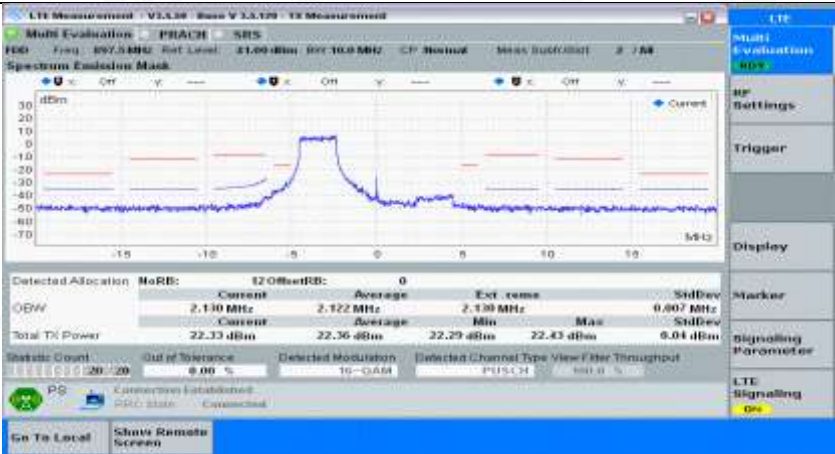
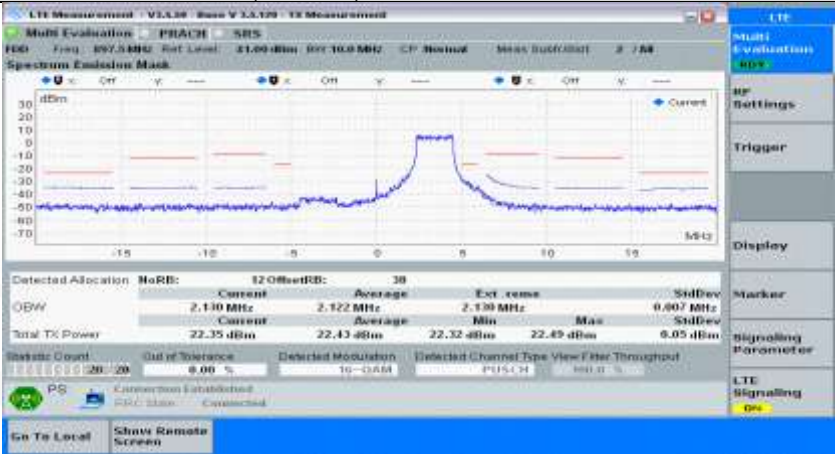

Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0
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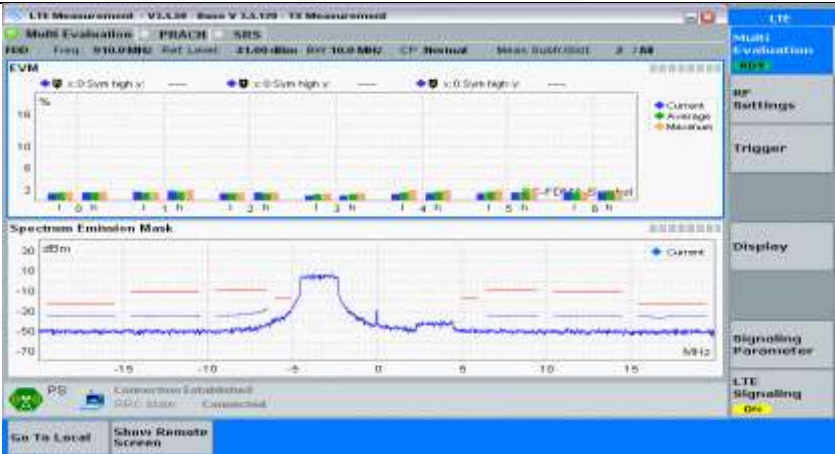
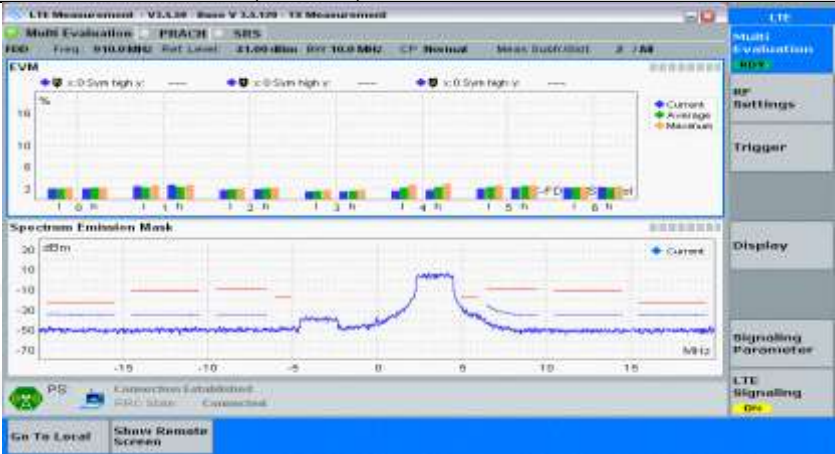
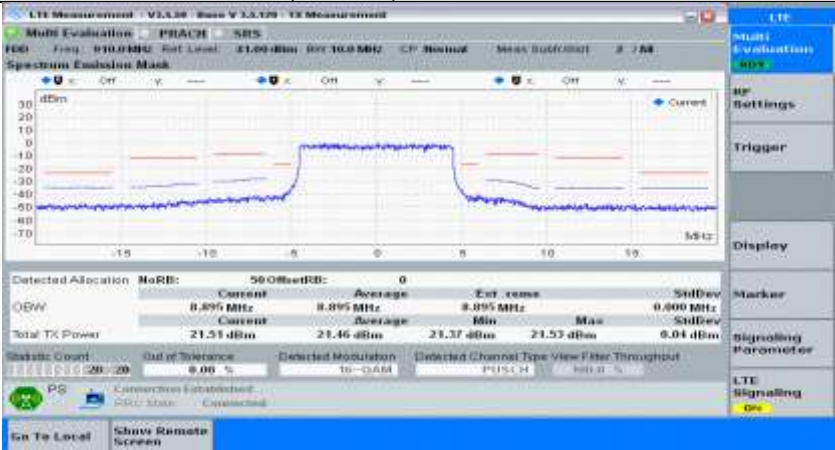
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	

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

QPSK		<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0		
QPSK		<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0		

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

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

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

4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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



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Service Hotline: 400 089 2118

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




Channel Bandwidth=Highest (10 MHz)

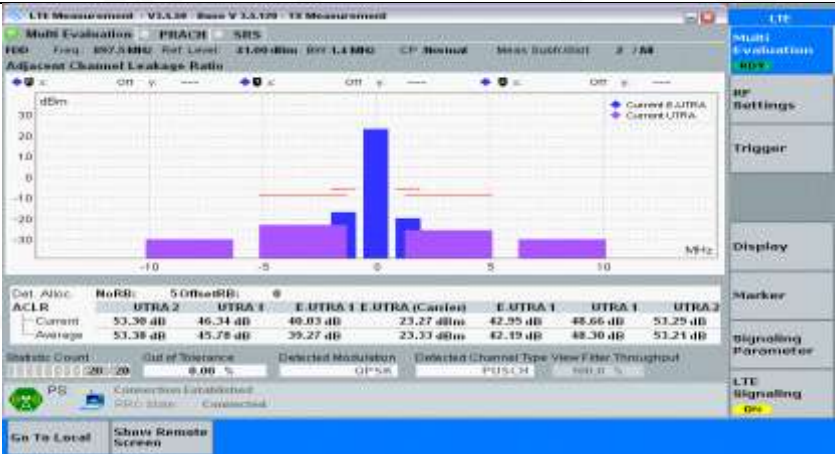
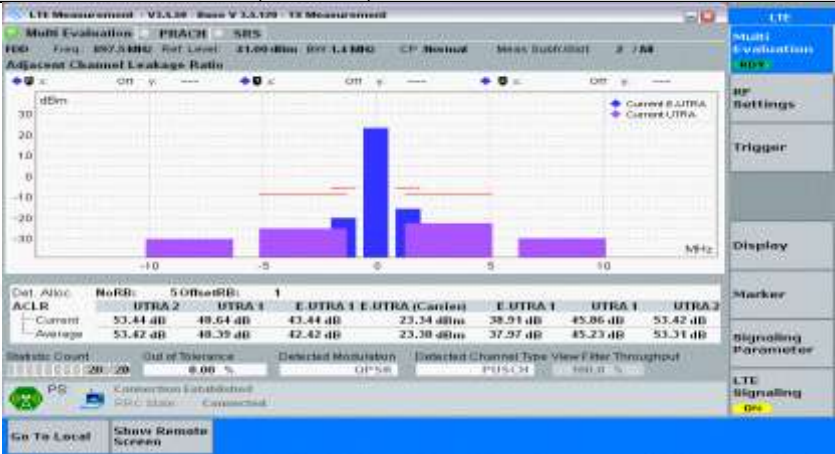

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
		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

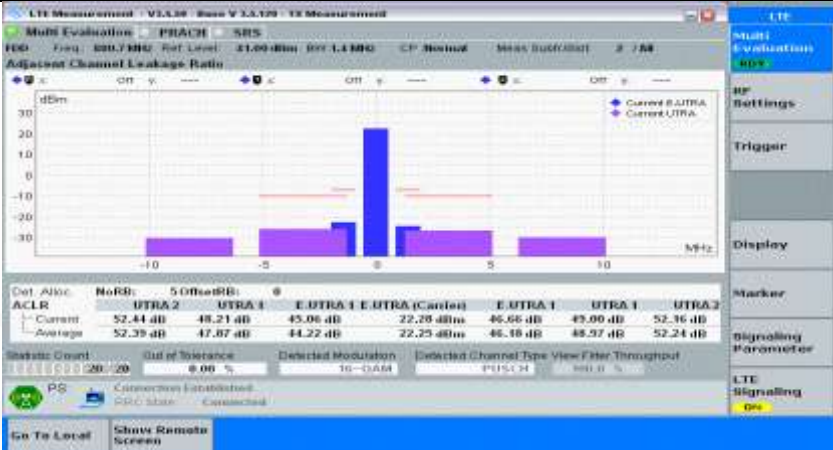


Test Graphs




NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

QPSK	 <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>

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

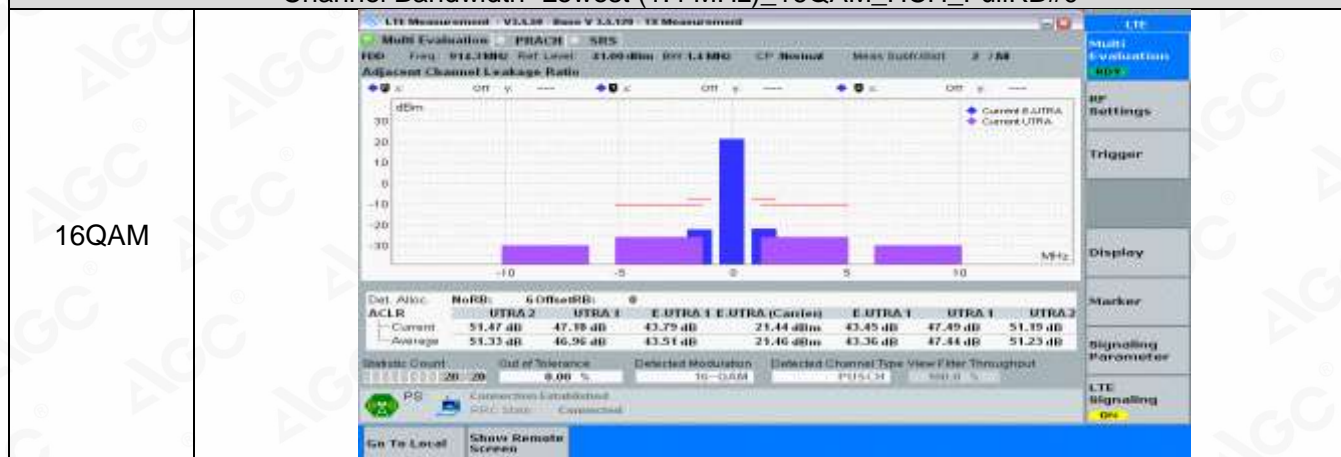
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0</p>



Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max


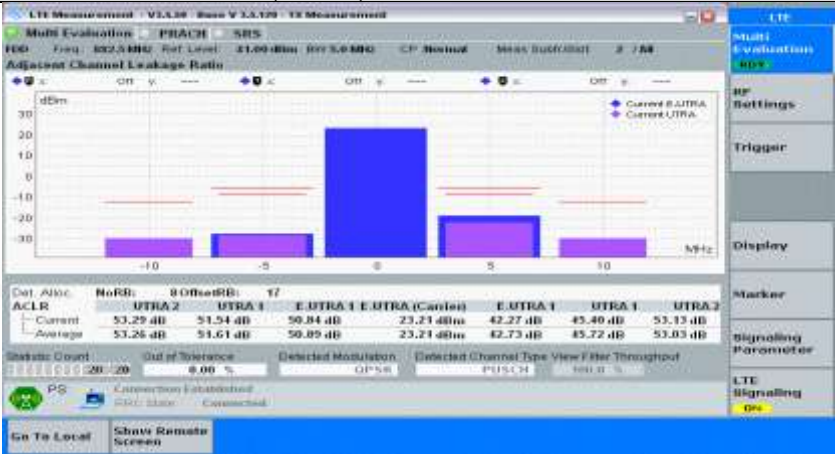
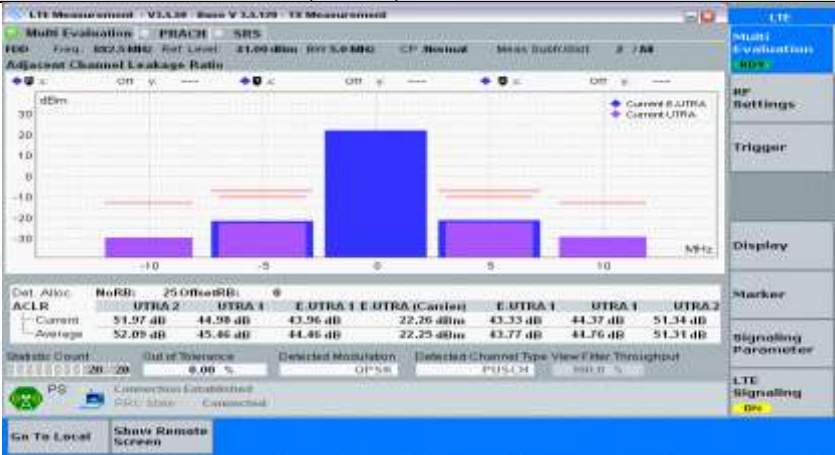





Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0








Channel Bandwidth= (5 MHz)


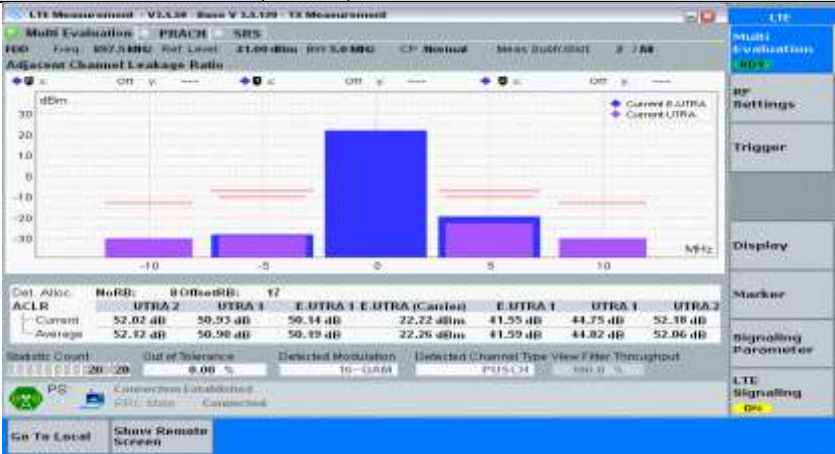

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

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

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

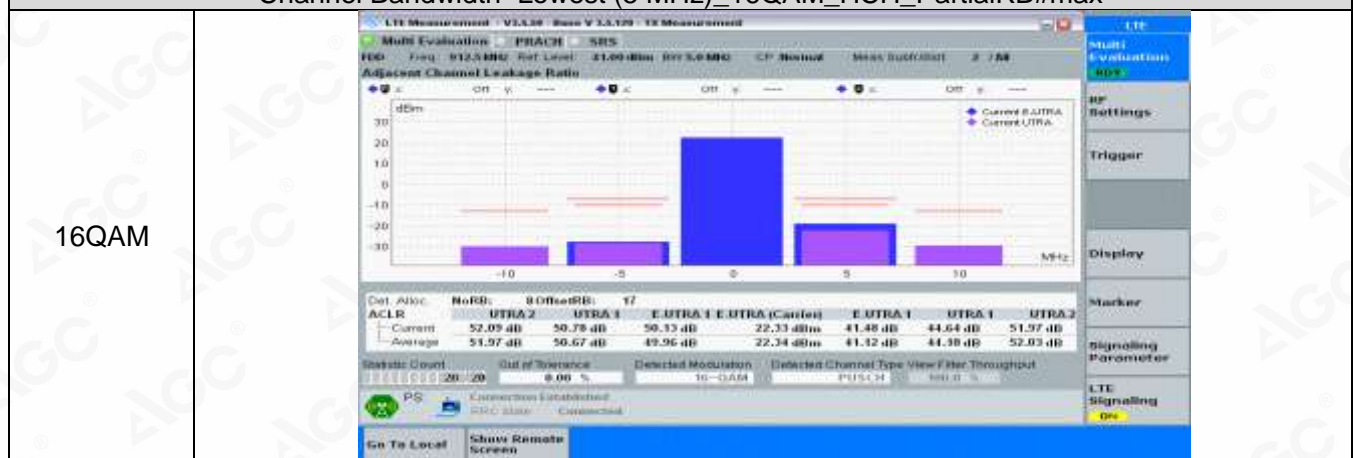
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

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

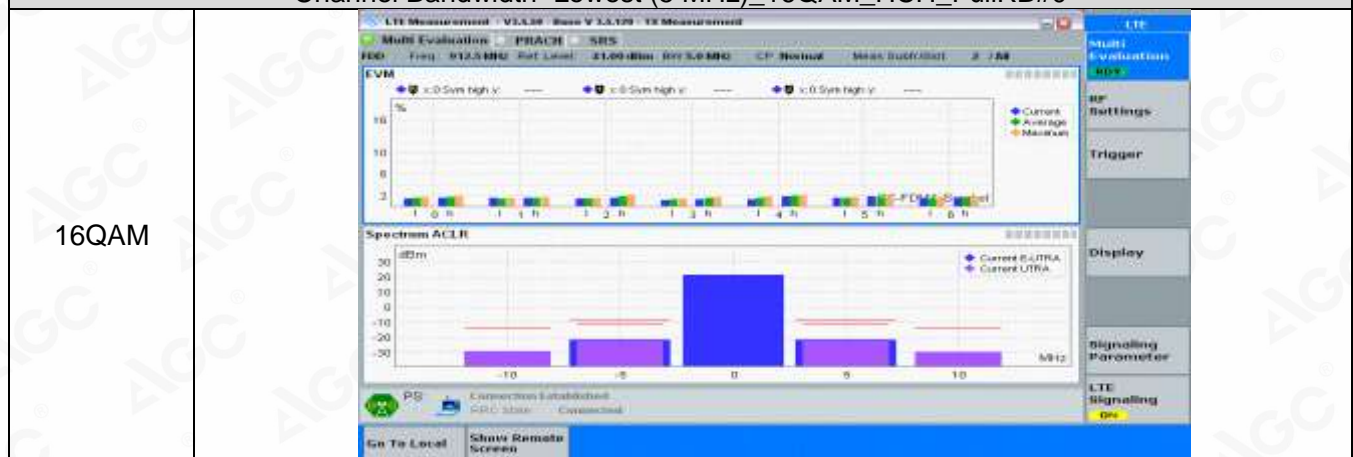
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>



Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max








Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0









Channel Bandwidth=Highest (10 MHz)

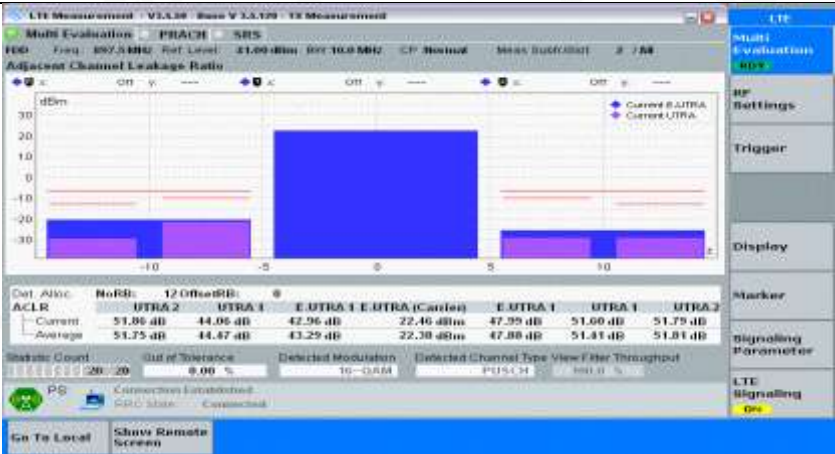


Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0


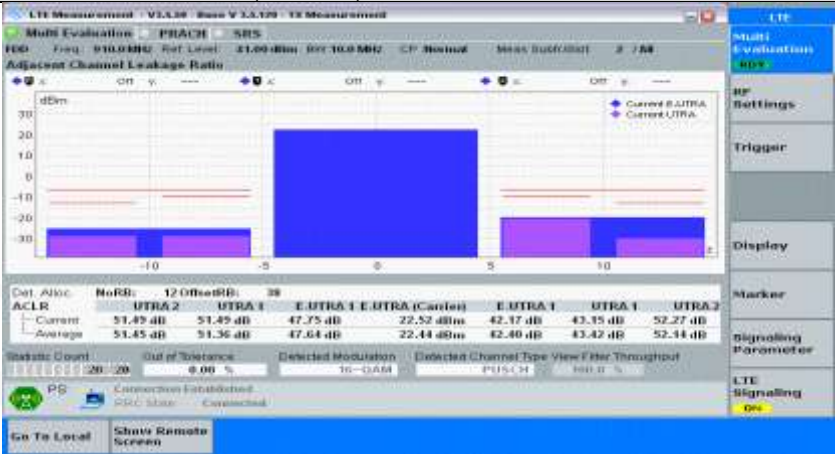

QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffsetRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.66 dB</td><td>44.84 dB</td><td>43.86 dB</td><td>23.19 dBm</td><td>43.36 dB</td><td>52.95 dB</td><td>53.10 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>53.88 dB</td><td>45.21 dB</td><td>44.22 dB</td><td>23.20 dBm</td><td>43.47 dB</td><td>52.96 dB</td><td>53.49 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffsetRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.66 dB	44.84 dB	43.86 dB	23.19 dBm	43.36 dB	52.95 dB	53.10 dB				Average	53.88 dB	45.21 dB	44.22 dB	23.20 dBm	43.47 dB	52.96 dB	53.49 dB				<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
Det. Alloc.	NoRB	12 OffsetRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2																									
Current	53.66 dB	44.84 dB	43.86 dB	23.19 dBm	43.36 dB	52.95 dB	53.10 dB																												
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Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max																																			
QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffsetRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.83 dB</td><td>53.11 dB</td><td>49.66 dB</td><td>23.35 dBm</td><td>43.85 dB</td><td>44.76 dB</td><td>53.80 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>53.98 dB</td><td>53.08 dB</td><td>49.71 dB</td><td>23.30 dBm</td><td>44.20 dB</td><td>45.19 dB</td><td>53.61 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffsetRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.83 dB	53.11 dB	49.66 dB	23.35 dBm	43.85 dB	44.76 dB	53.80 dB				Average	53.98 dB	53.08 dB	49.71 dB	23.30 dBm	44.20 dB	45.19 dB	53.61 dB				<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
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Current	53.83 dB	53.11 dB	49.66 dB	23.35 dBm	43.85 dB	44.76 dB	53.80 dB																												
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Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0																																			
QPSK	 <table><tr><th>Det. Alloc.</th><th>NoRB</th><th>12 OffsetRB</th><th>38</th><th>UTRA 2</th><th>UTRA 1</th><th>E-UTRA 1</th><th>E-UTRA (Carrier)</th><th>E-UTRA 1</th><th>UTRA 1</th><th>UTRA 2</th></tr><tr><td>Current</td><td>53.83 dB</td><td>53.11 dB</td><td>49.66 dB</td><td>23.35 dBm</td><td>43.85 dB</td><td>44.76 dB</td><td>53.80 dB</td><td></td><td></td><td></td></tr><tr><td>Average</td><td>53.98 dB</td><td>53.08 dB</td><td>49.71 dB</td><td>23.30 dBm</td><td>44.20 dB</td><td>45.19 dB</td><td>53.61 dB</td><td></td><td></td><td></td></tr></table>	Det. Alloc.	NoRB	12 OffsetRB	38	UTRA 2	UTRA 1	E-UTRA 1	E-UTRA (Carrier)	E-UTRA 1	UTRA 1	UTRA 2	Current	53.83 dB	53.11 dB	49.66 dB	23.35 dBm	43.85 dB	44.76 dB	53.80 dB				Average	53.98 dB	53.08 dB	49.71 dB	23.30 dBm	44.20 dB	45.19 dB	53.61 dB				<div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signalling Parameter</div> <div>LTE Signalling</div>
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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_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

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

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

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

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

5. Transmitter Spurious Emissions

Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

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

Channel Bandwidth= (5 MHz)

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

Channel Bandwidth=Highest (10 MHz)

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



Attestation of Global Compliance

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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

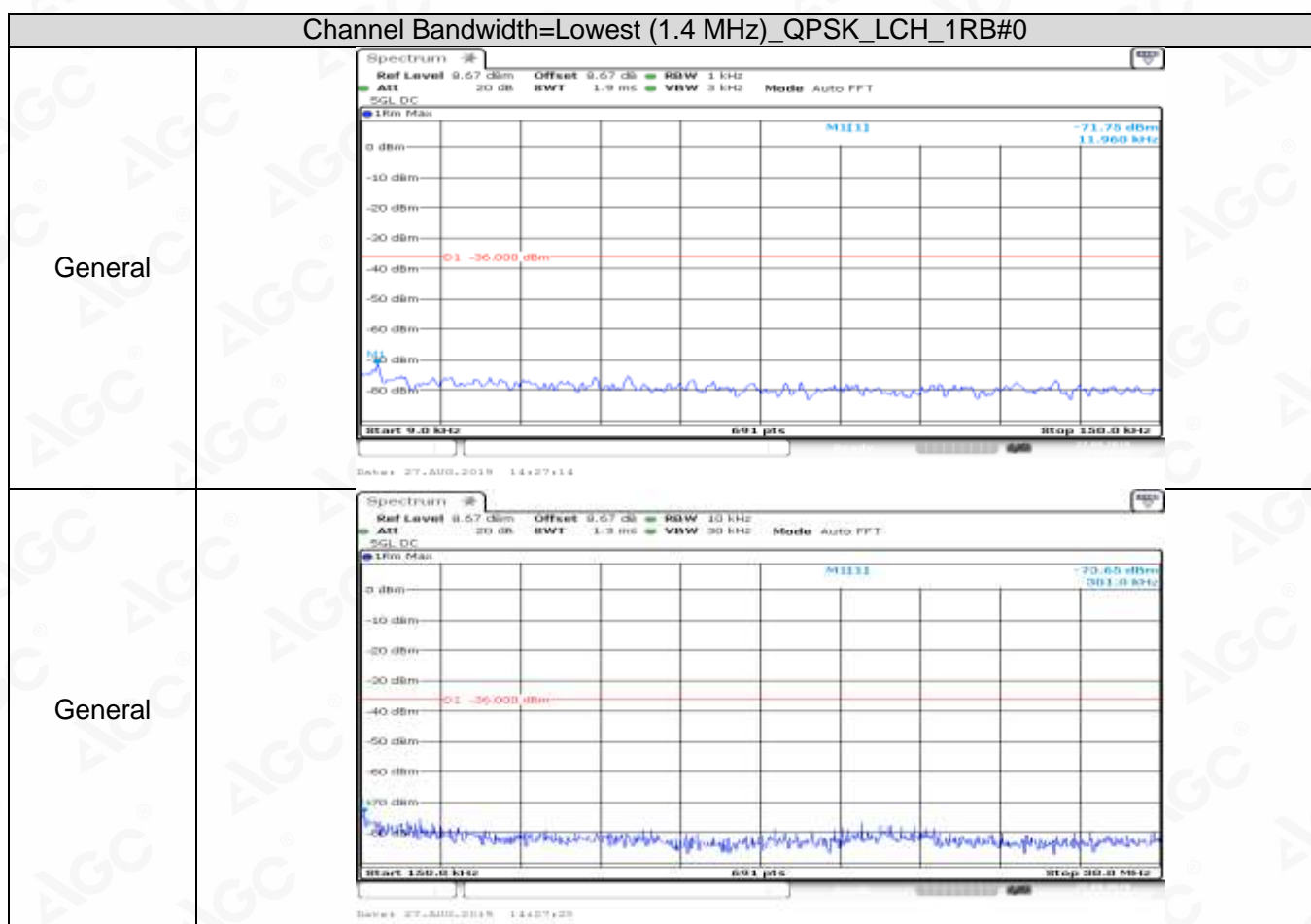
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline: 400 089 2118

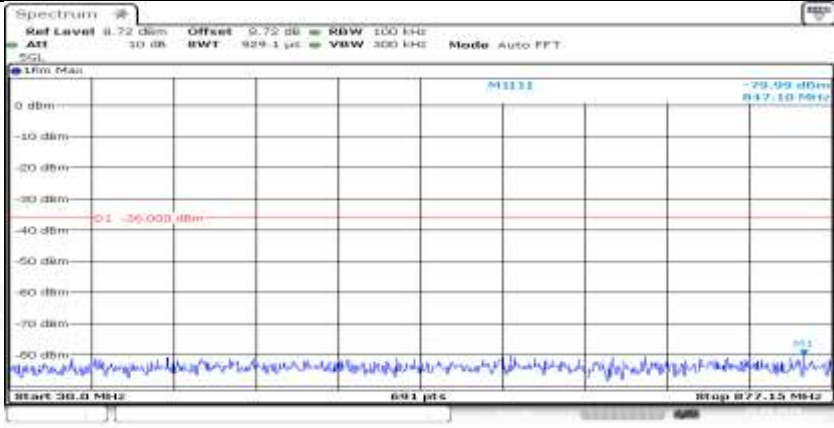
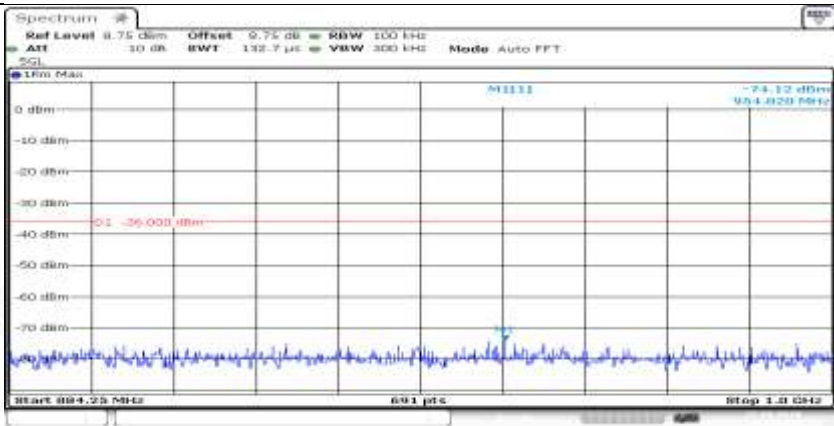
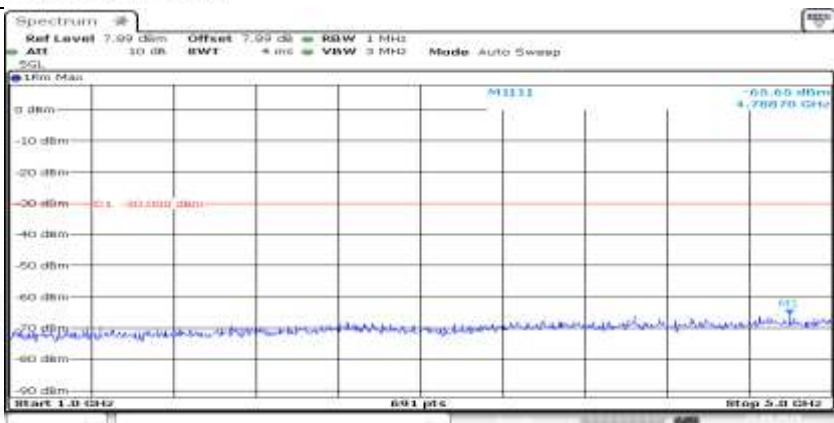
Normal	QPSK	10 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Test Graphs

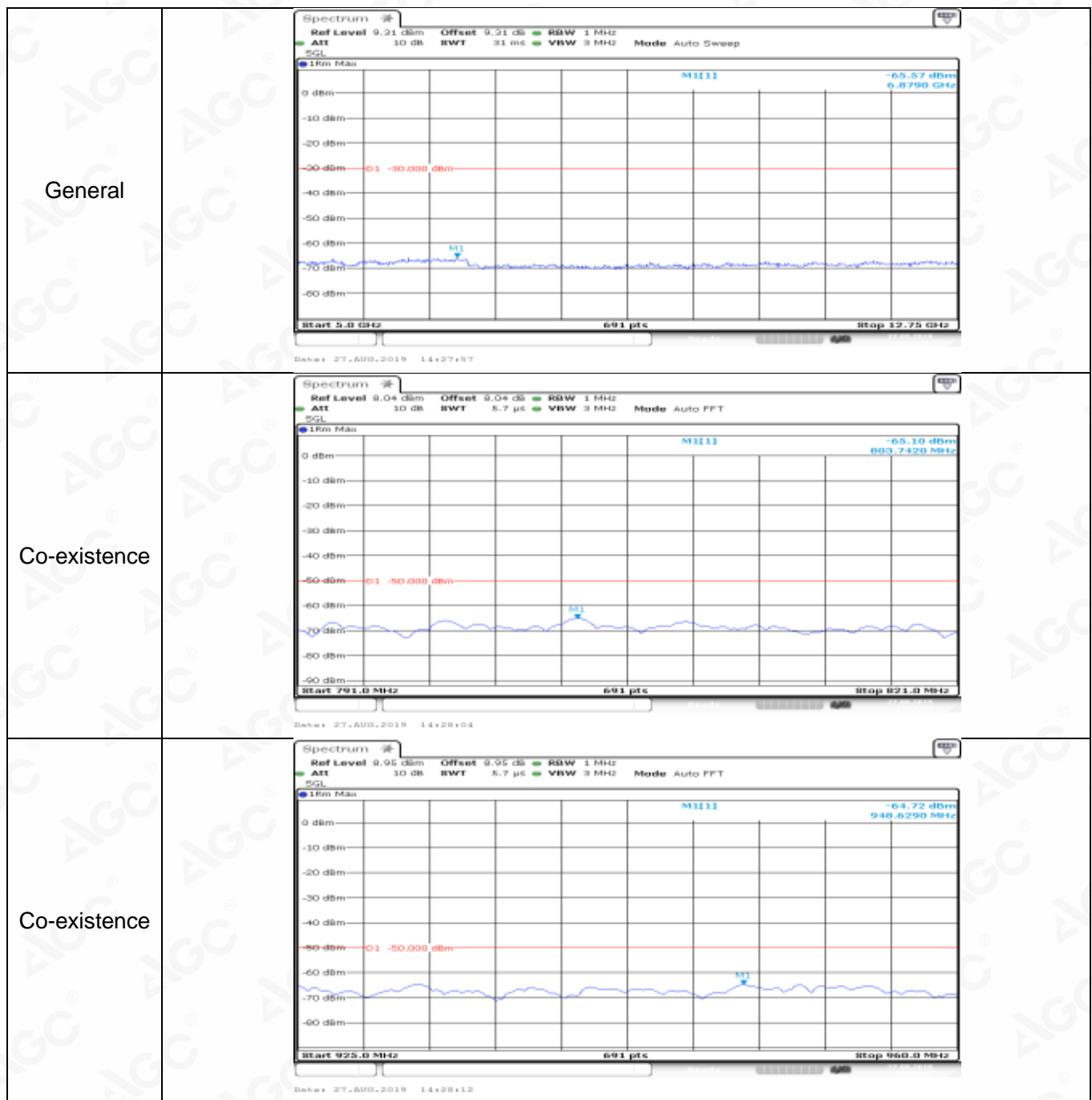
NTNV

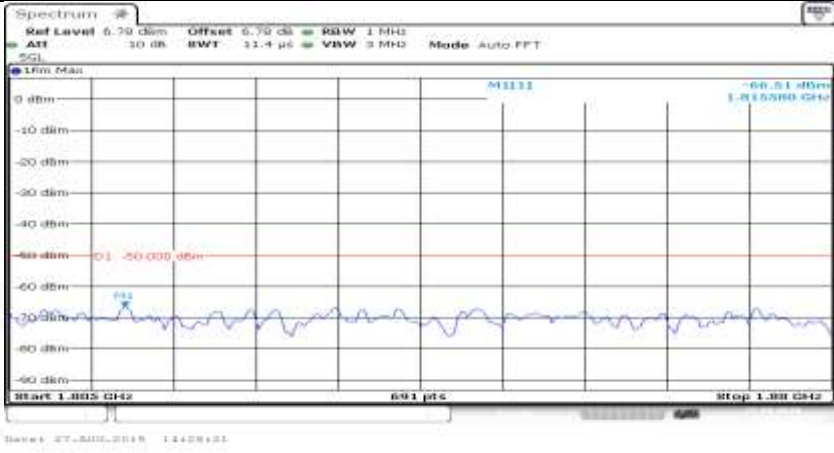
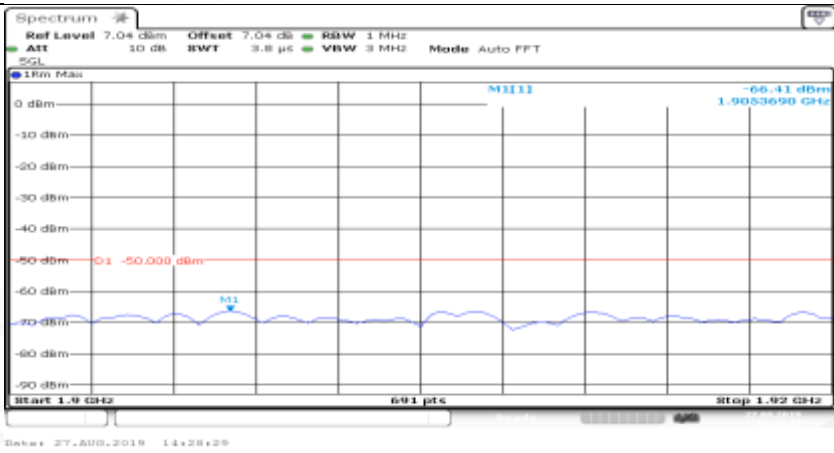
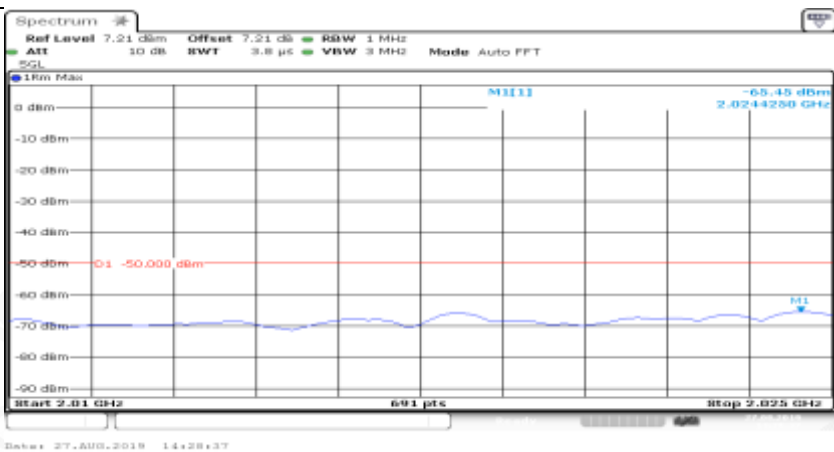
Channel Bandwidth=Lowest (1.4 MHz)



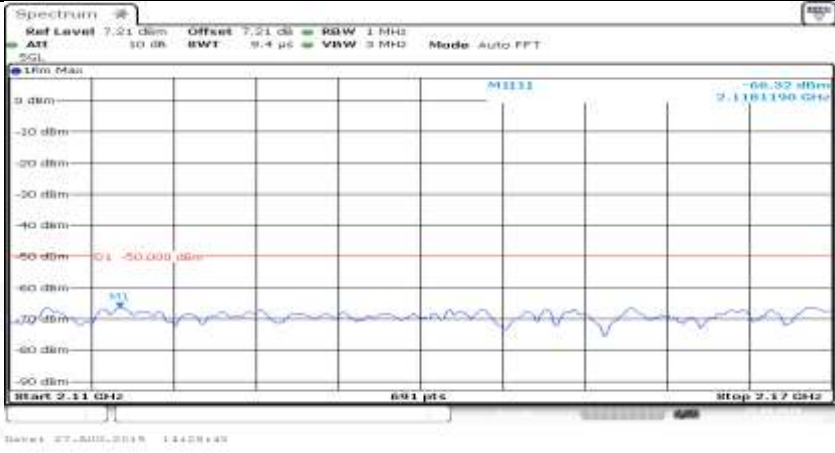
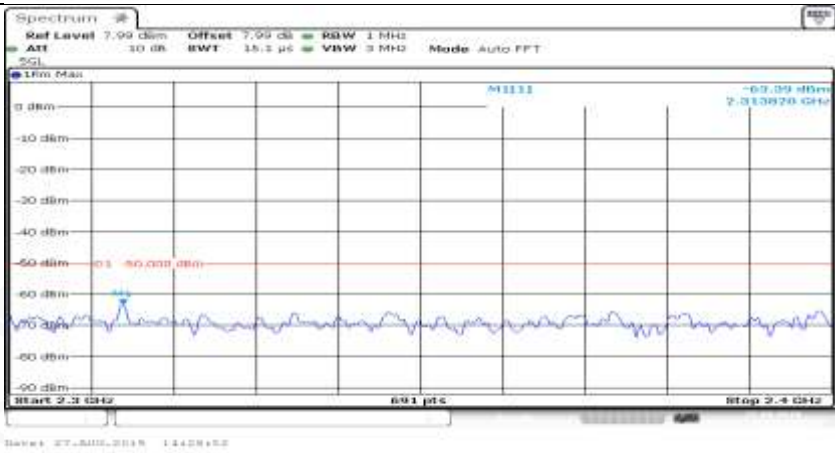
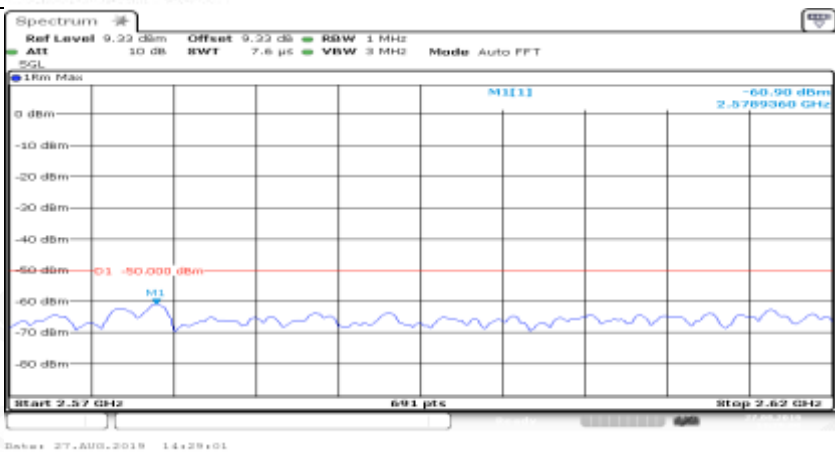
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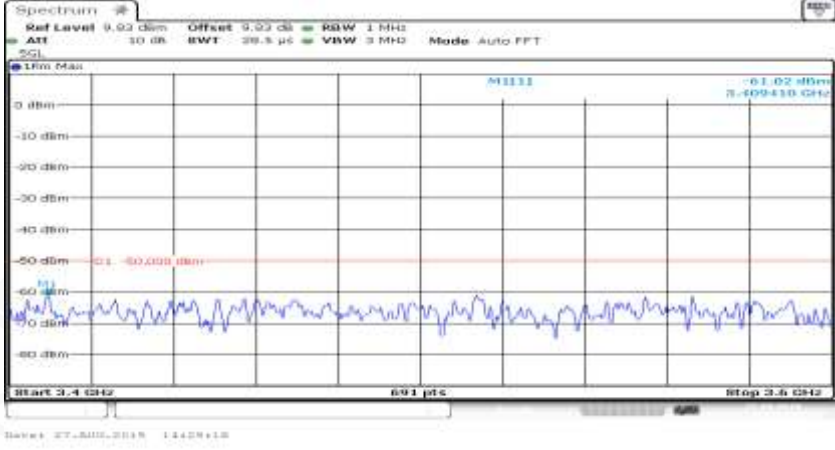





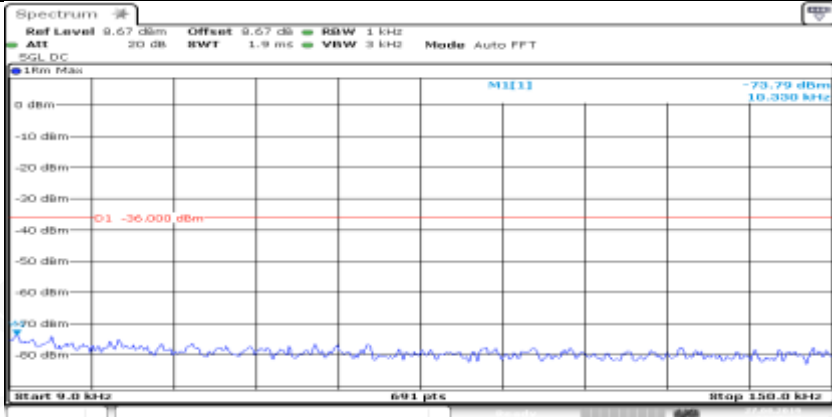
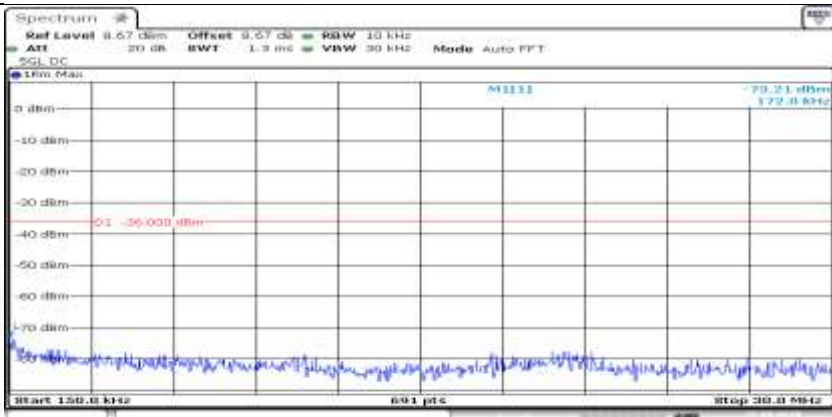
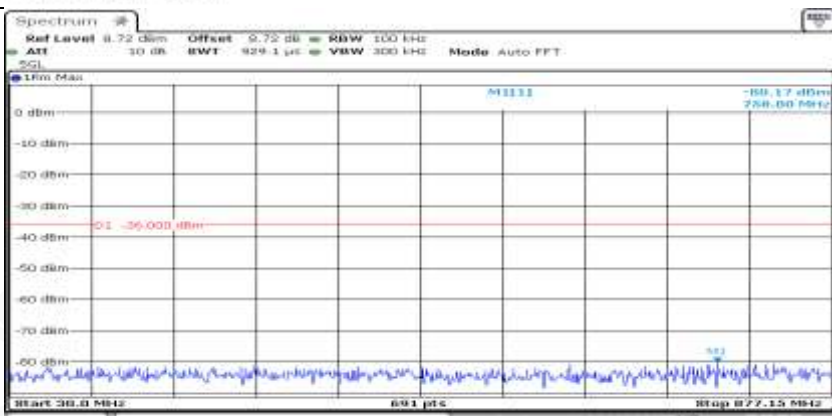
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Co-existence	



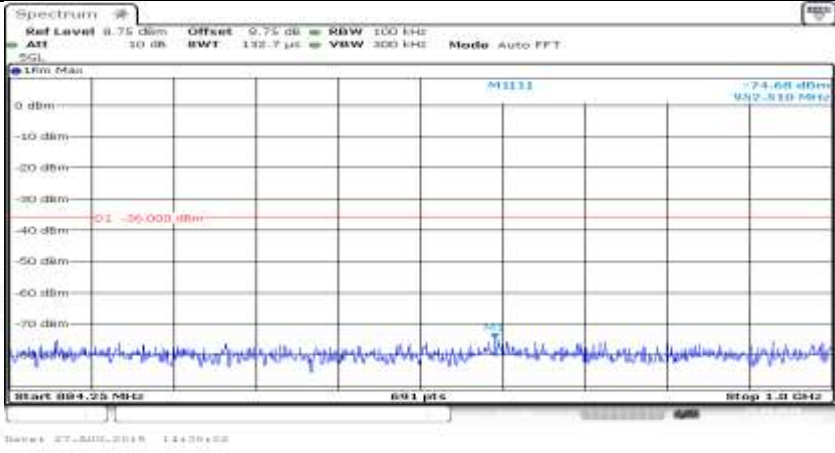
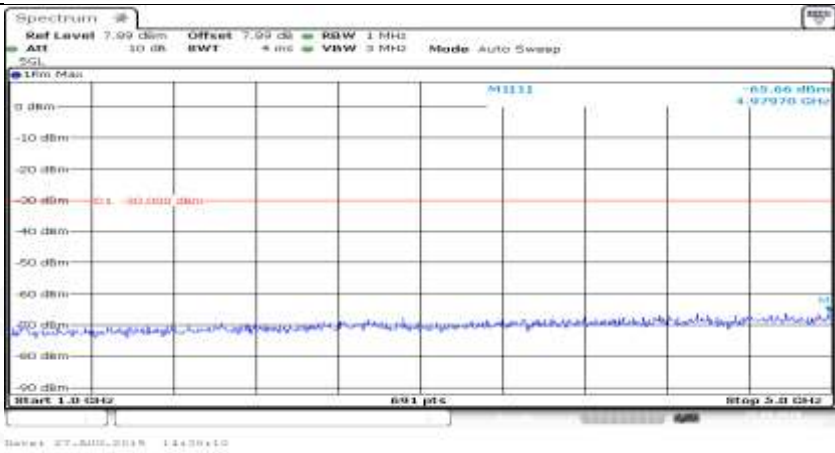
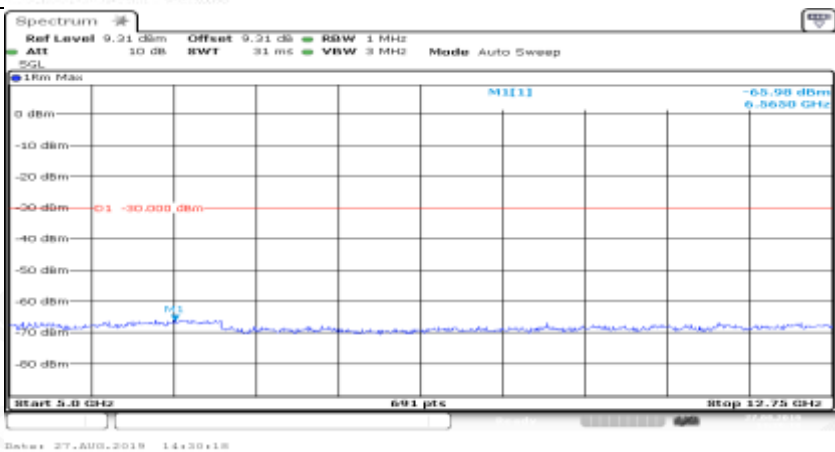
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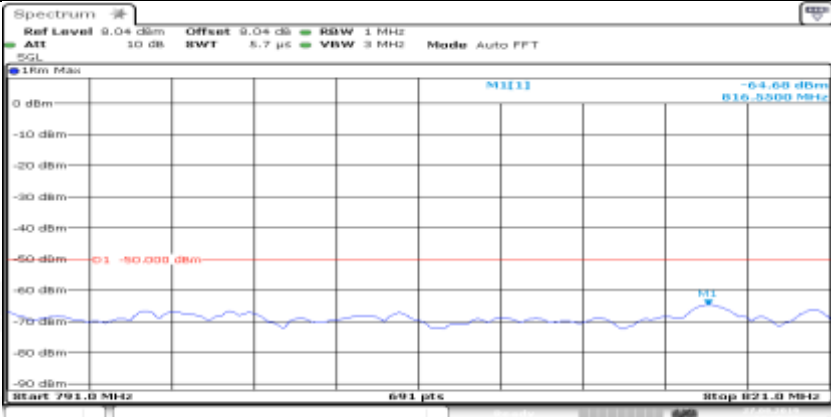
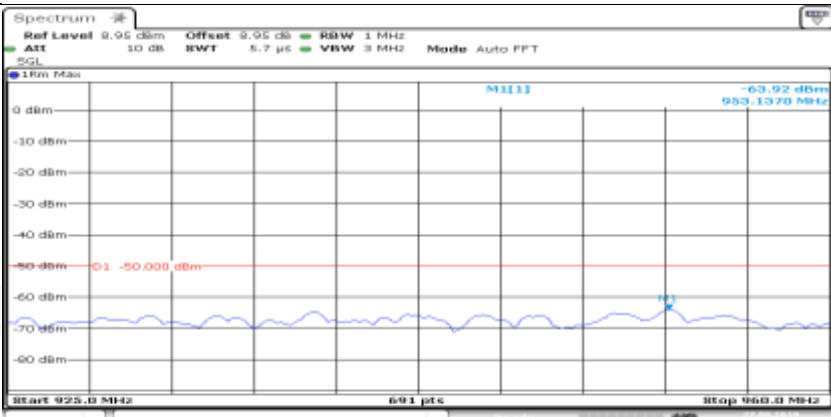
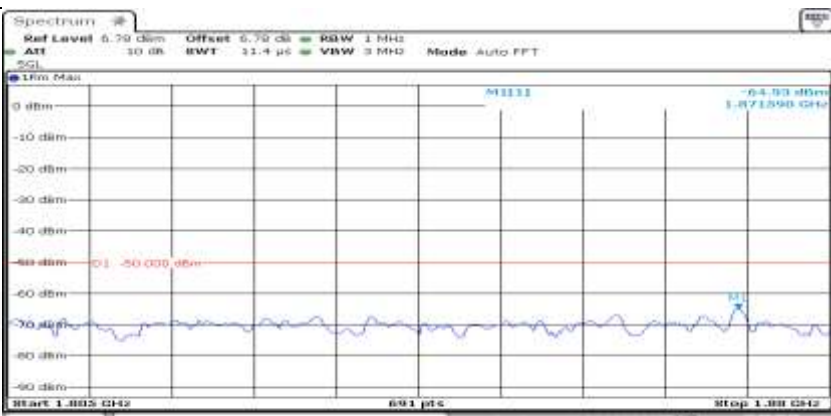
Co-existence	
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Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_1RB#max

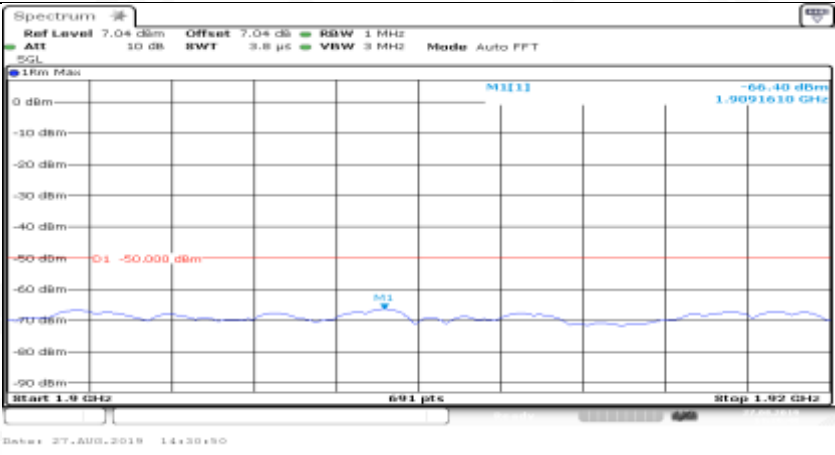
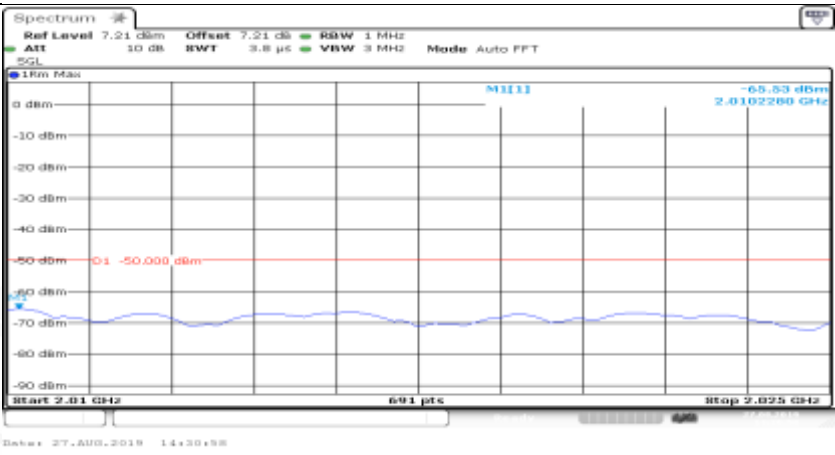
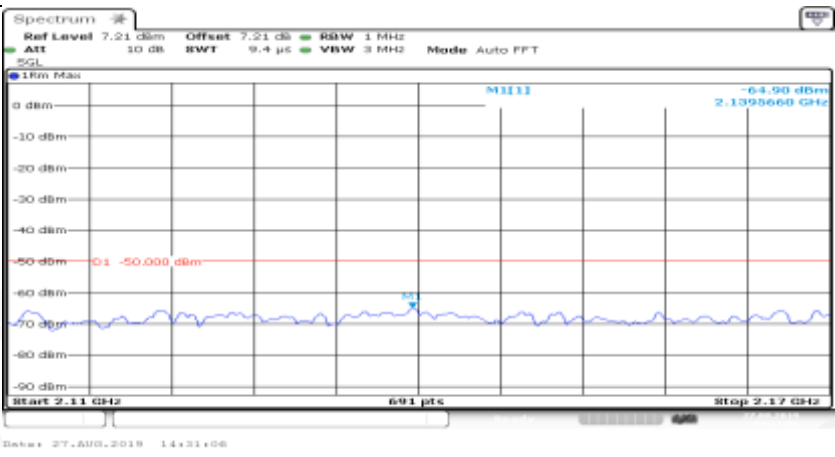
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Max -73.79 dBm 10.330 kHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2019 14:29:38</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 300.0 MHz</p> <p>Max -70.21 dBm 172.0 kHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2019 14:29:45</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 929.1 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 300.0 MHz 691 pts Stop 877.5 MHz</p> <p>Max -60.17 dBm 758.00 MHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2019 14:29:59</p>

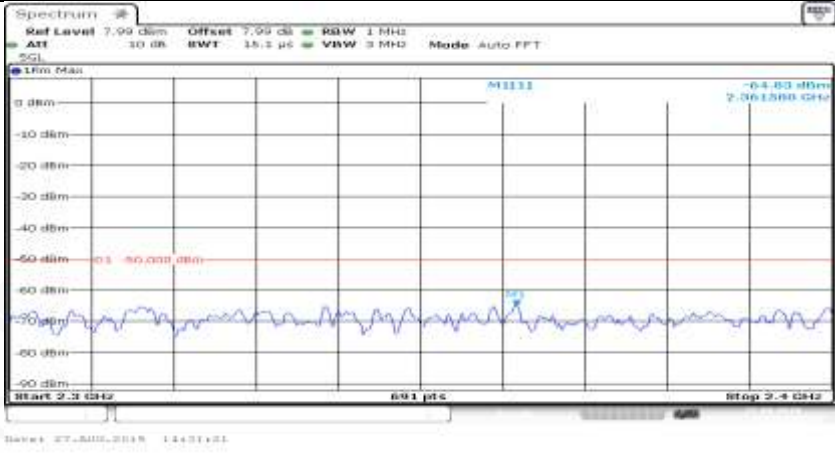
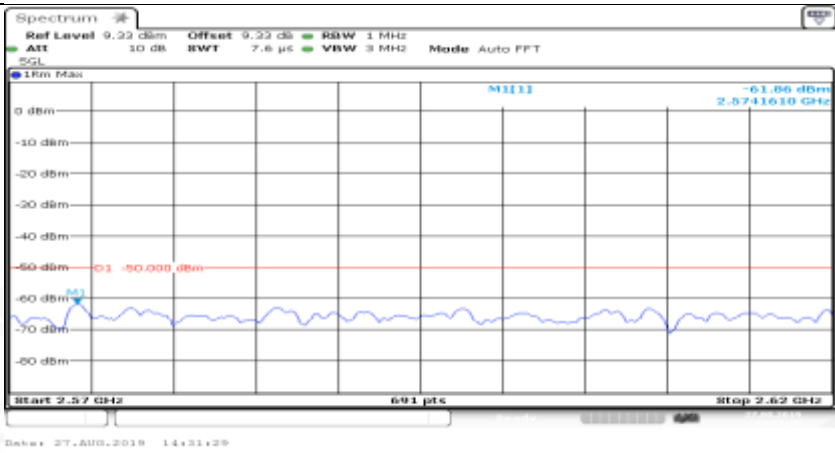
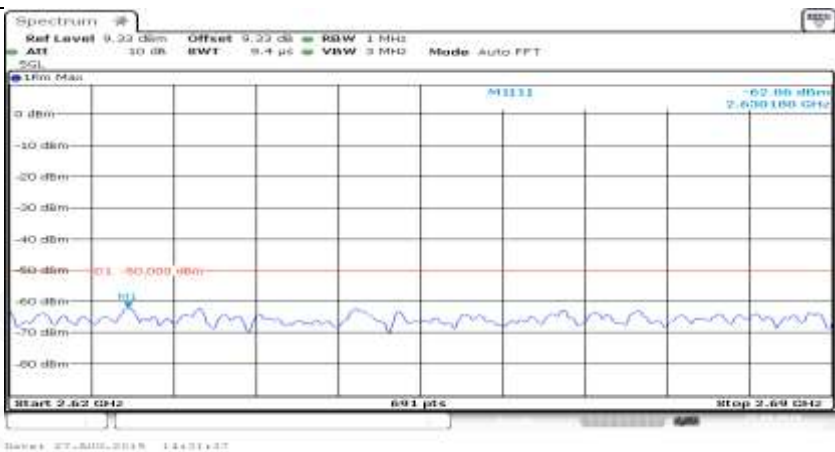


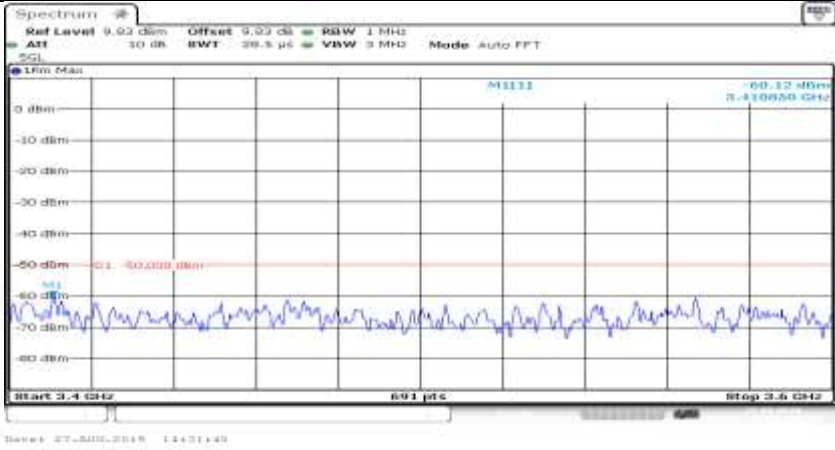
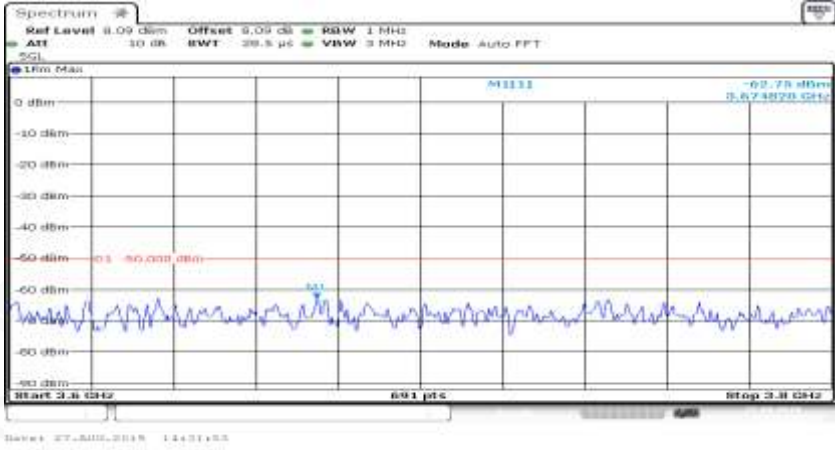
General	
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General	

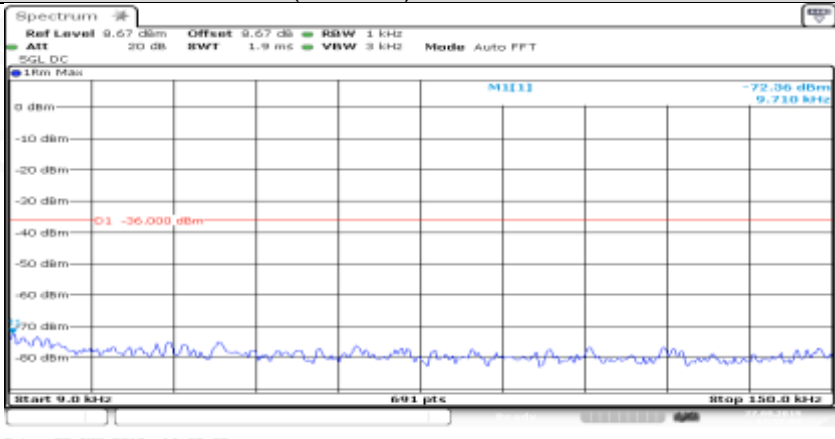
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Co-existence	 <p>Start 925.0 MHz Stop 955.0 MHz</p> <p>Date: 27.AUG.2019 14:30:34</p>
Co-existence	 <p>Start 1.3005 GHz Stop 1.301 GHz</p> <p>Date: 27.AUG.2019 14:30:42</p>

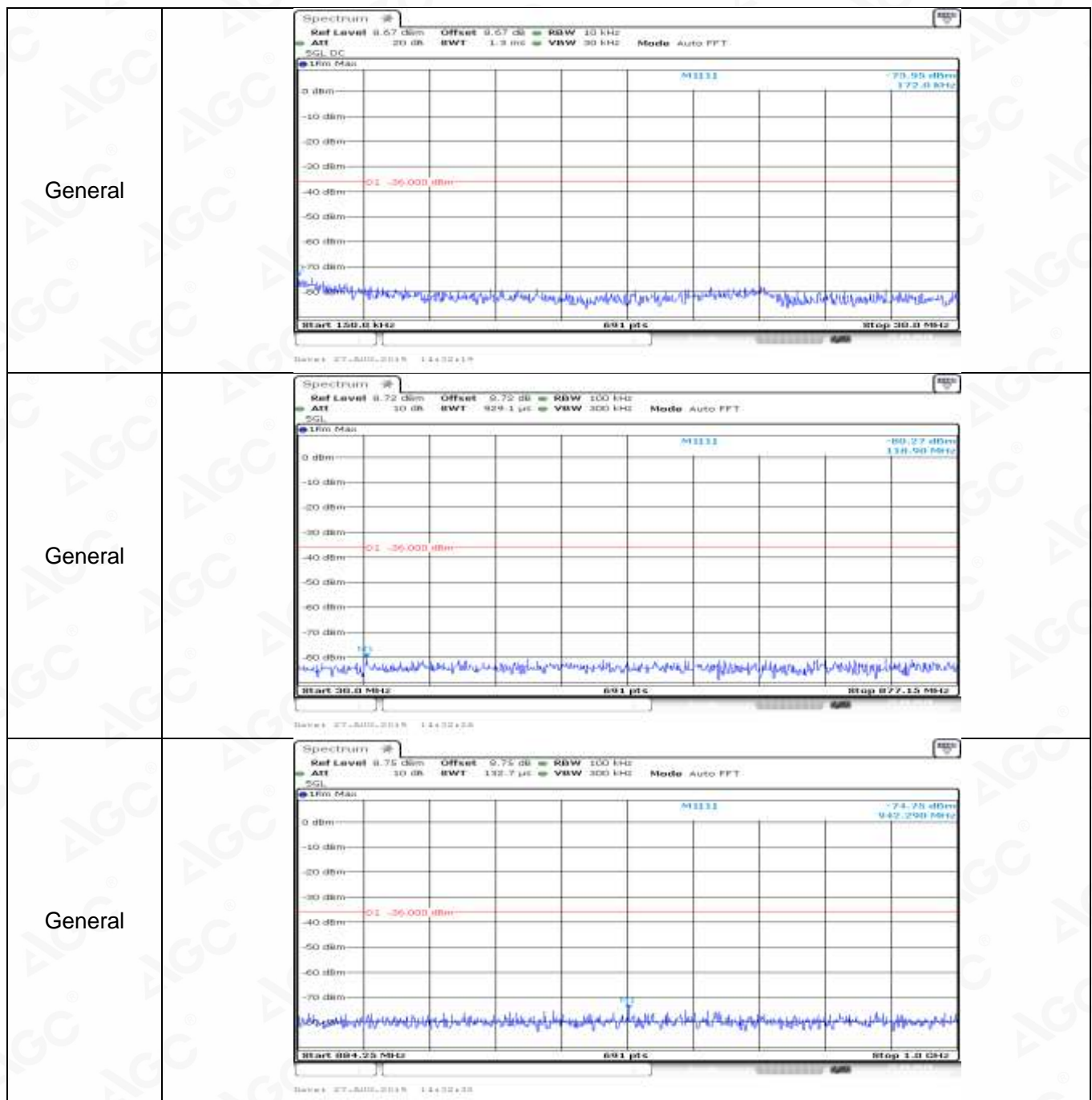


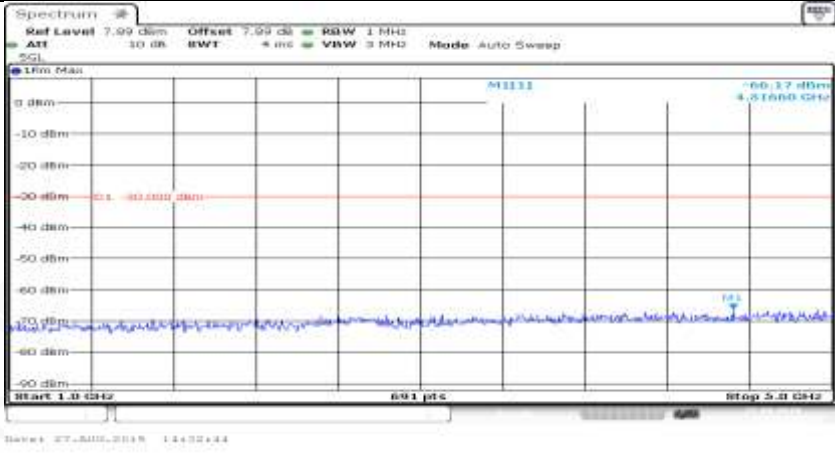
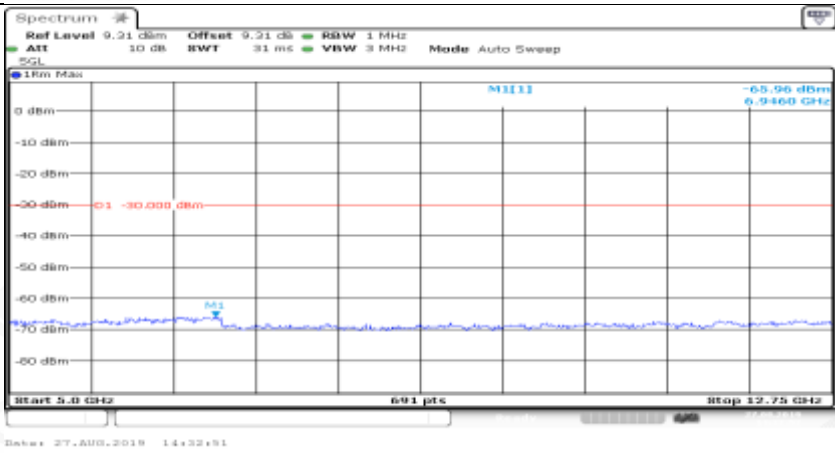
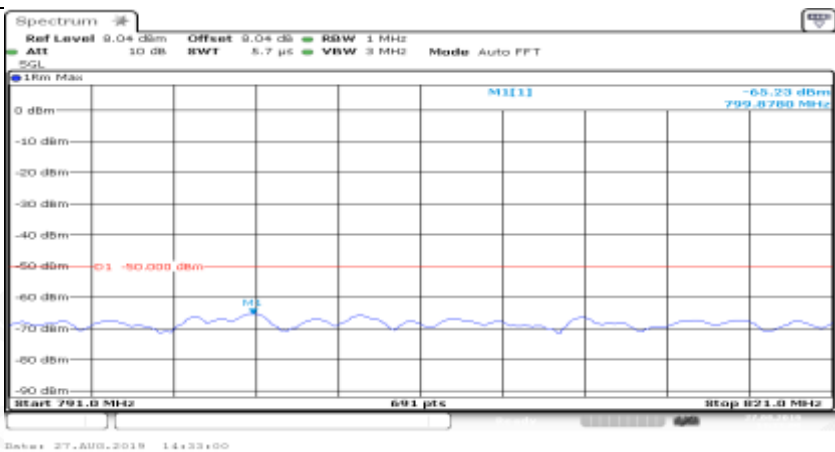
Co-existence	
Co-existence	
Co-existence	

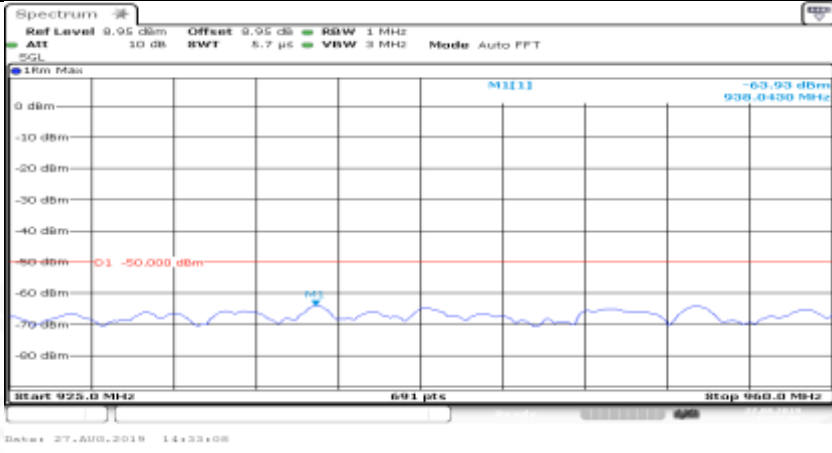

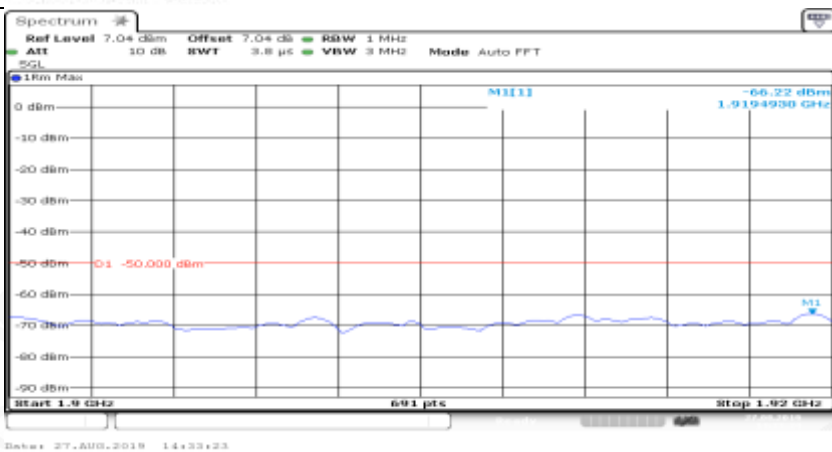
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Co-existence	
Co-existence	

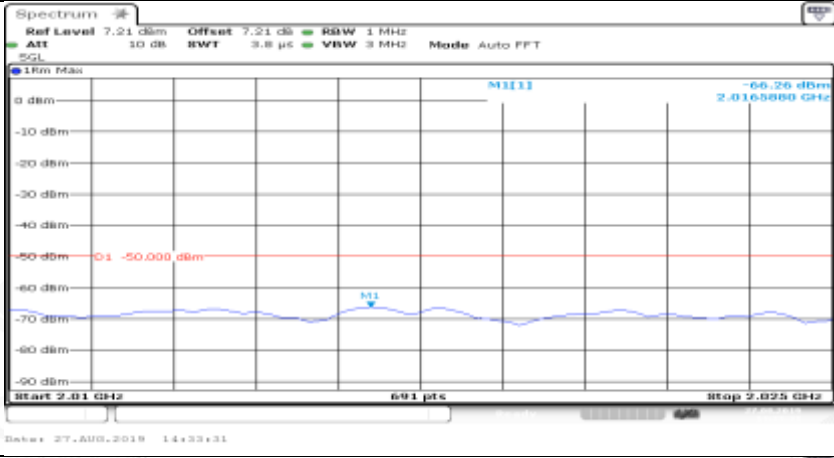

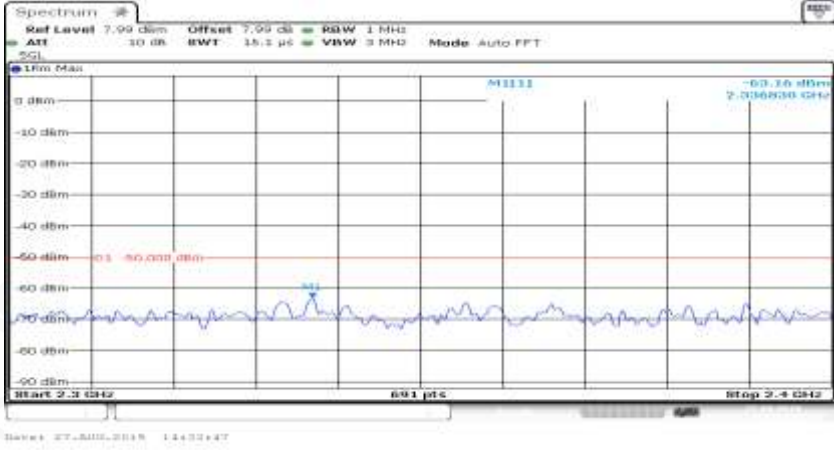
Co-existence	
Co-existence	
Additional	NA

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

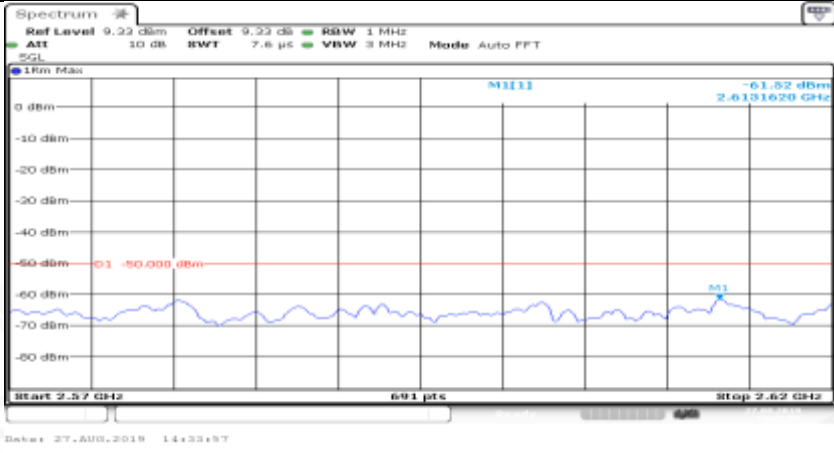




General	
General	
Co-existence	

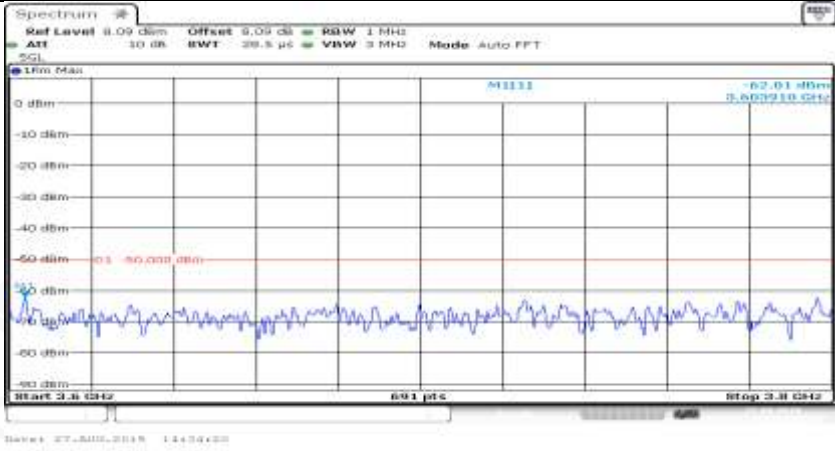
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Co-existence	

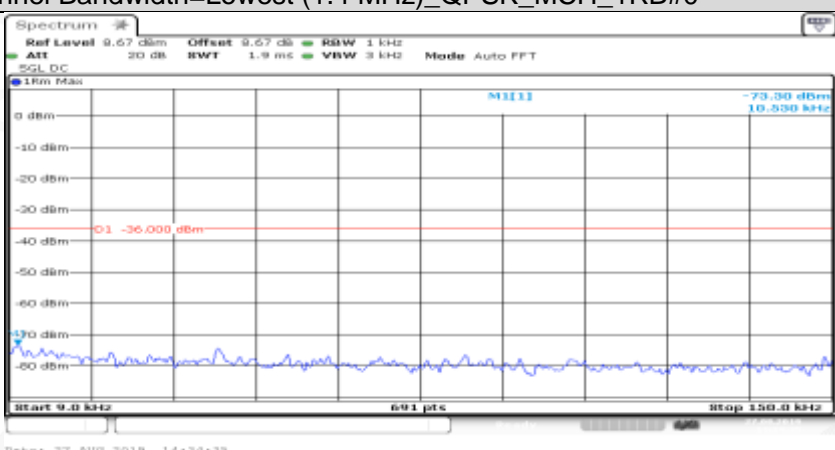
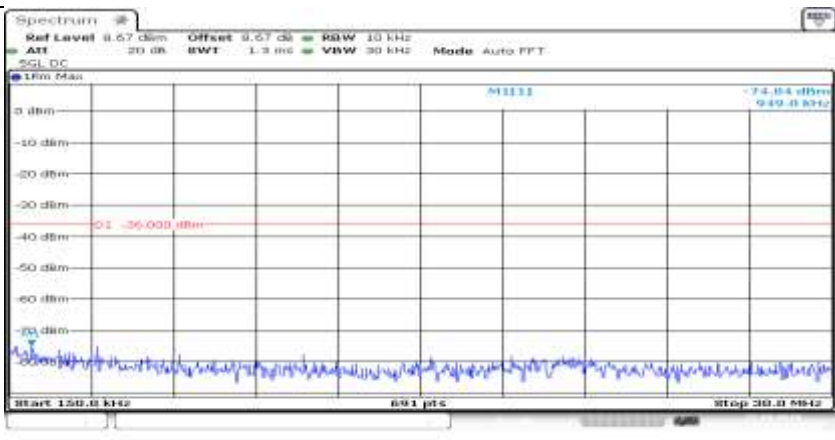
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Co-existence	

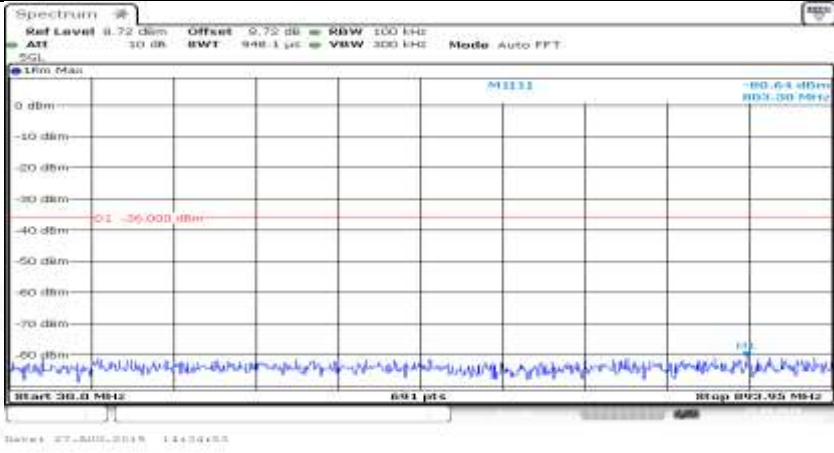
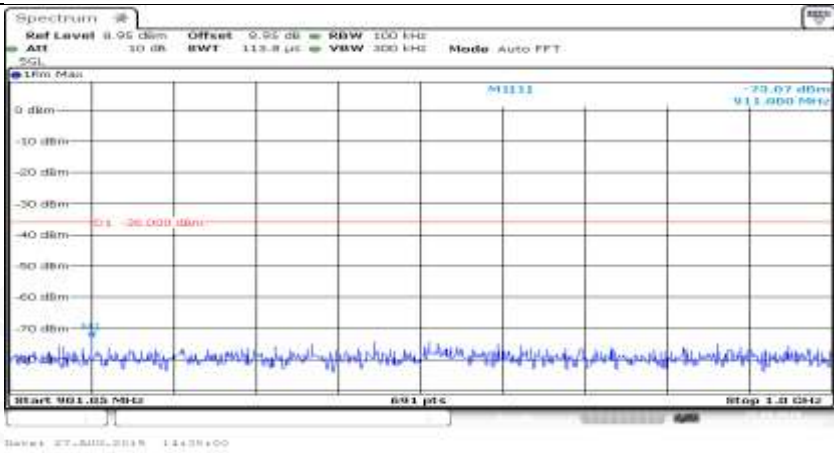
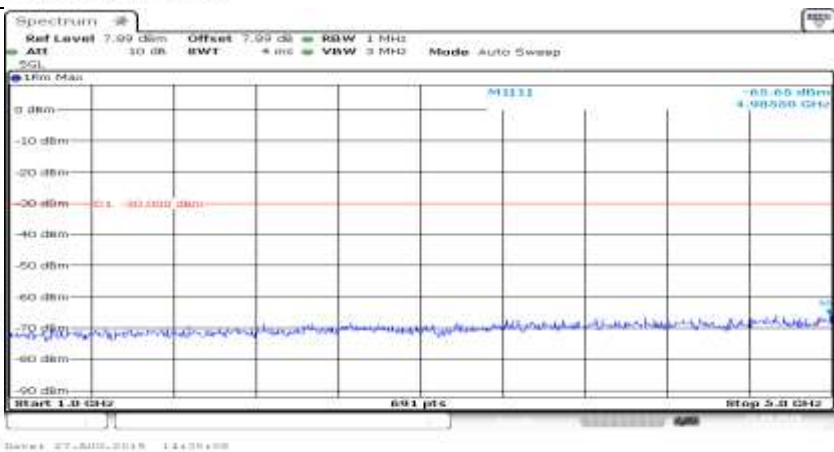


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Co-existence	

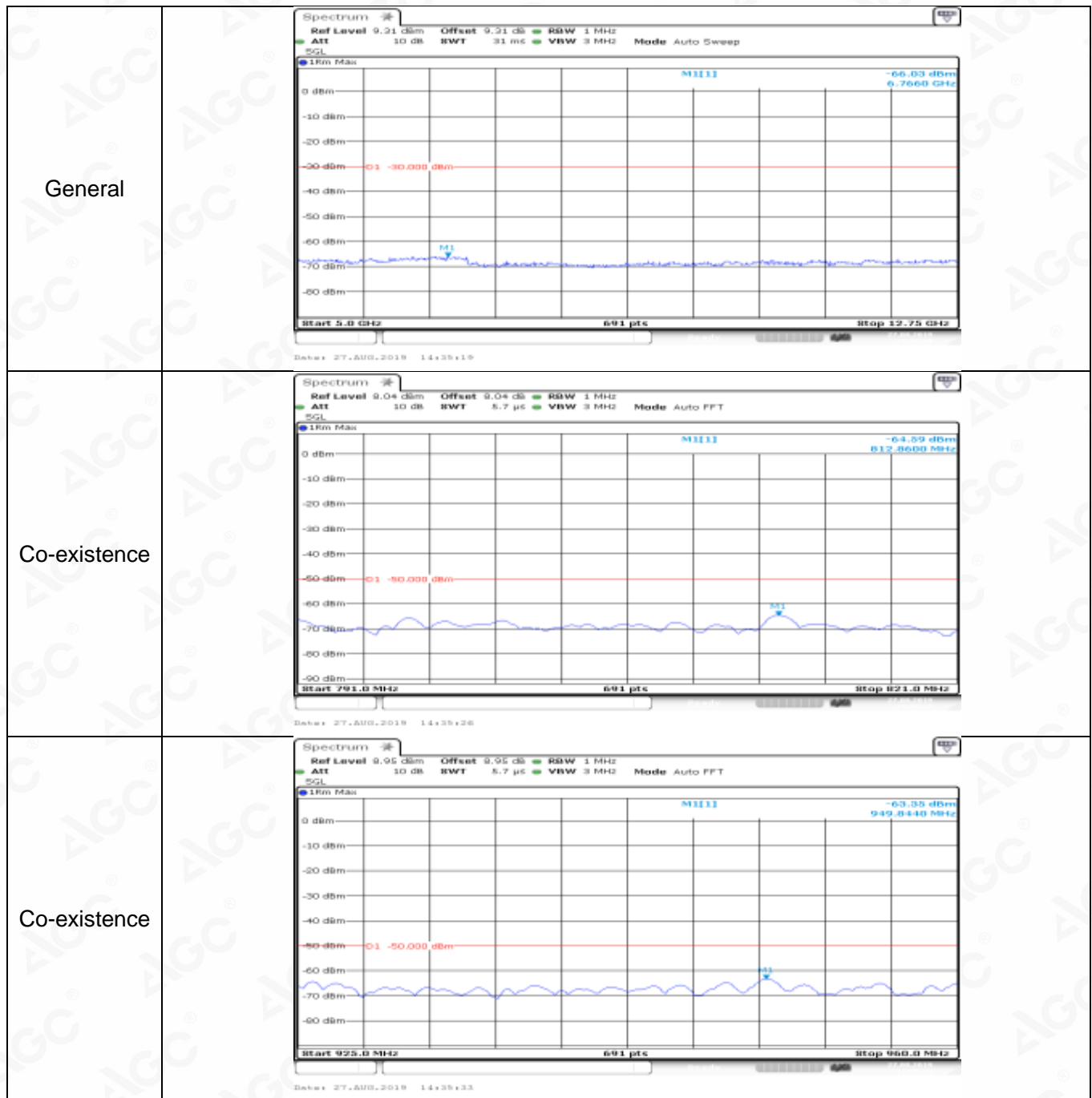



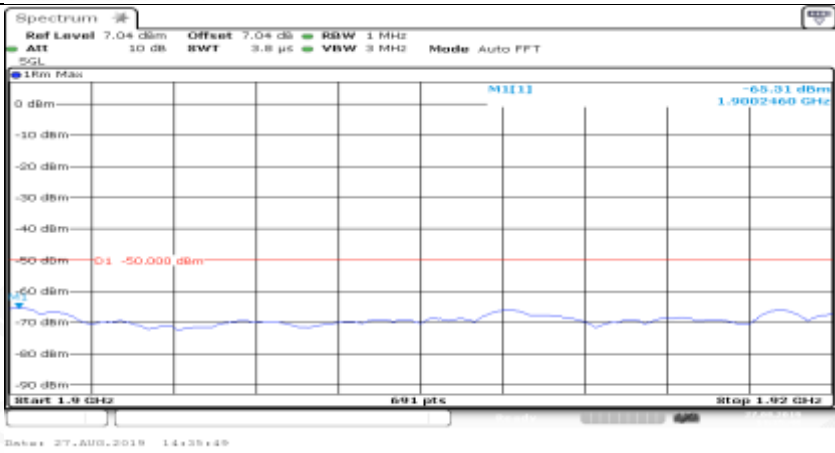
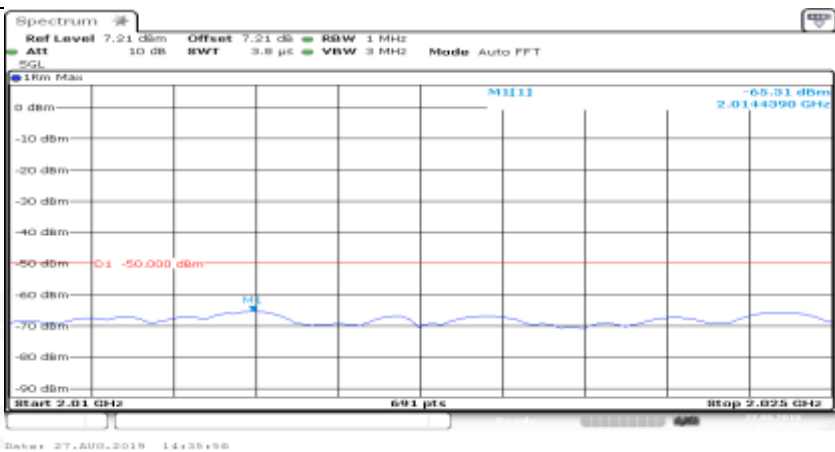
Co-existence	
Additional	NA

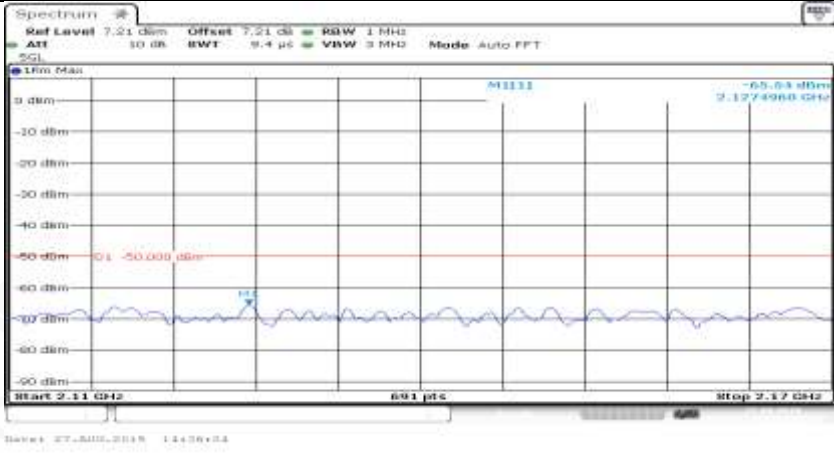
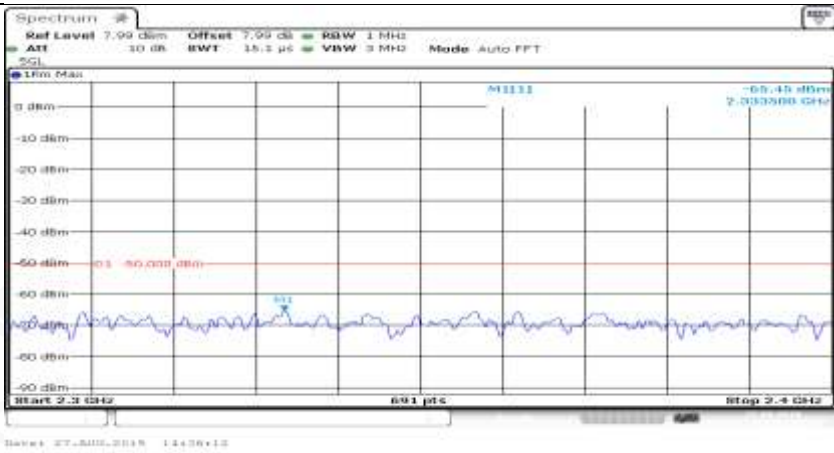
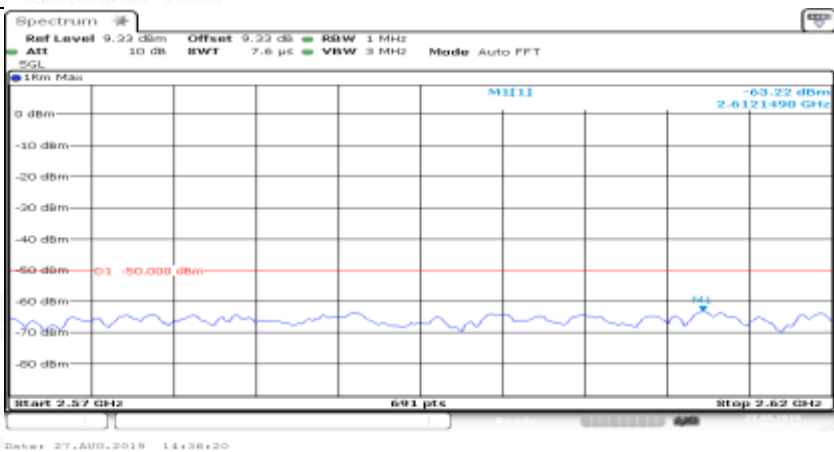
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#0	
General	
General	

General	
General	
General	


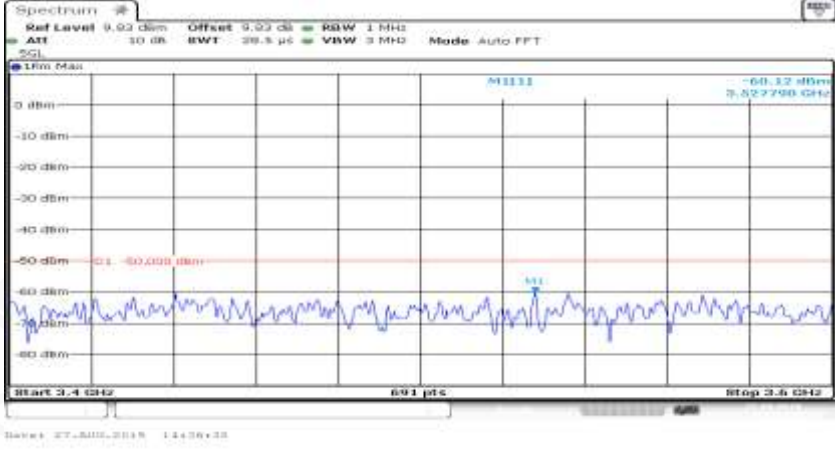





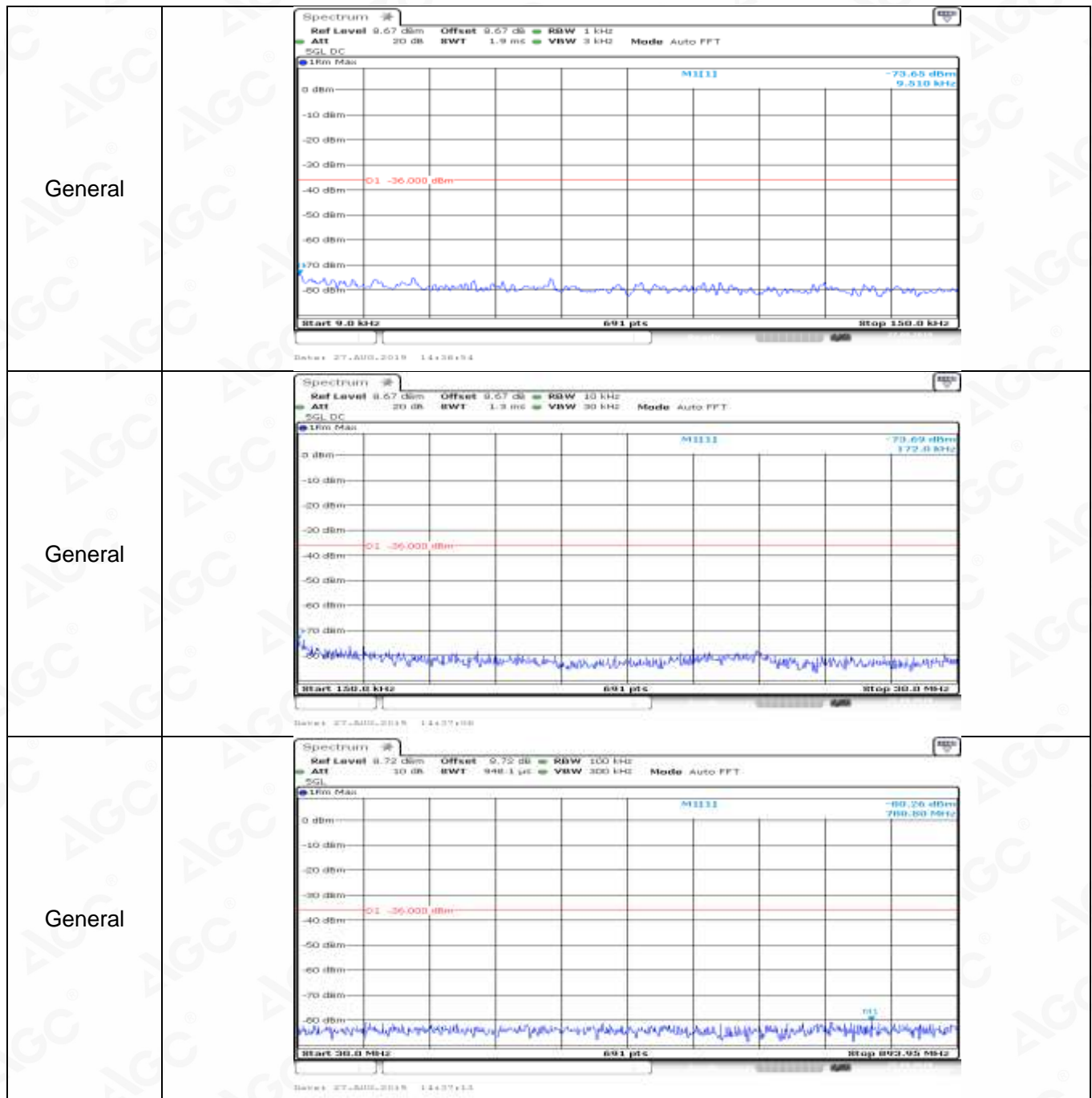
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Co-existence	
Co-existence	

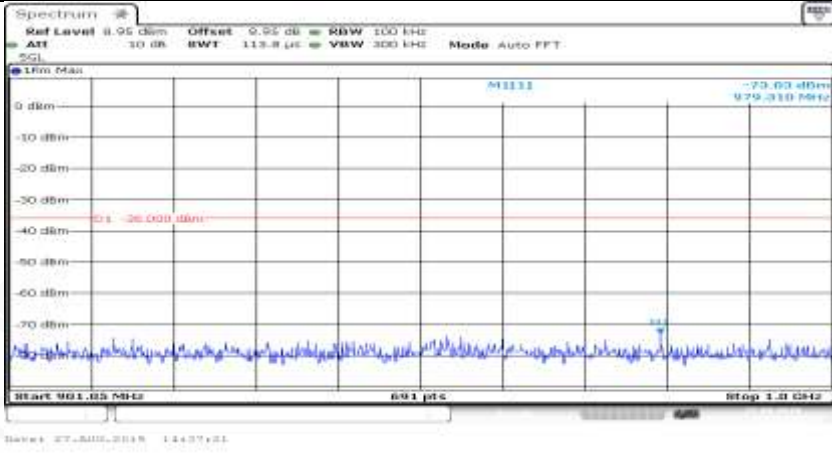
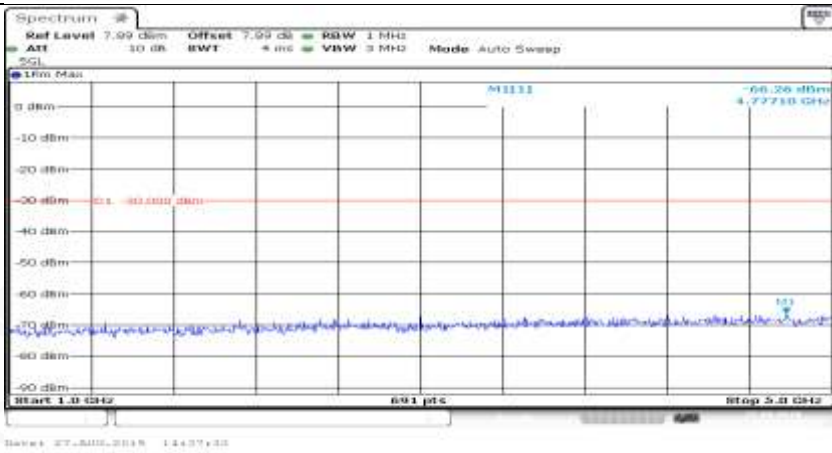
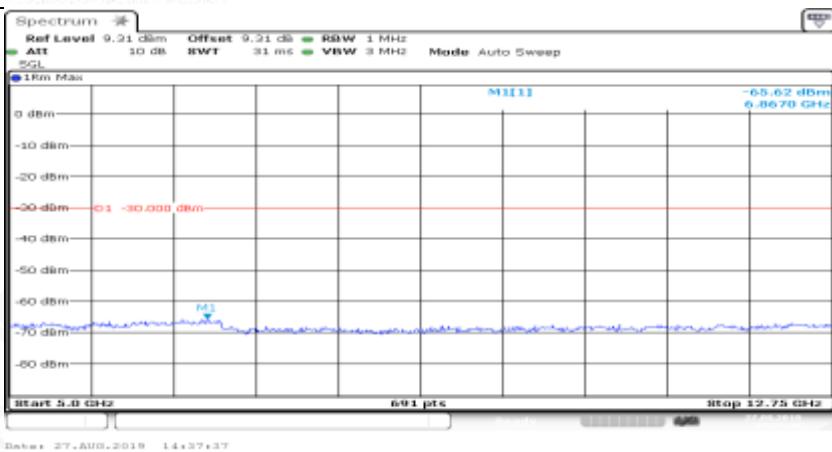
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Co-existence	

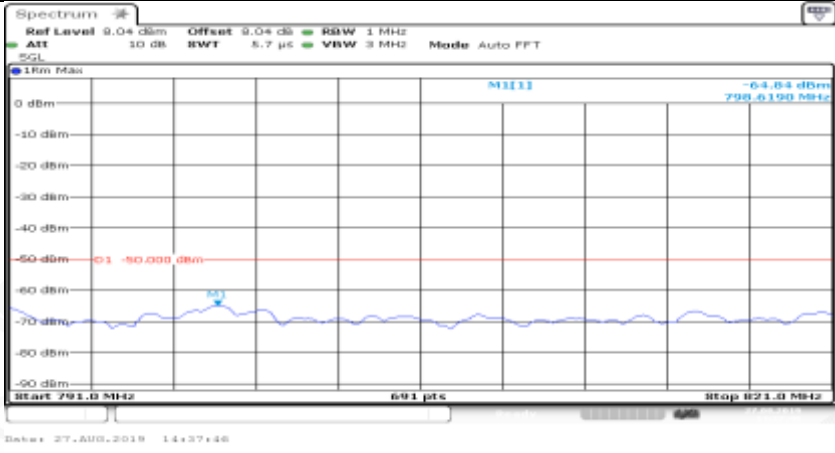
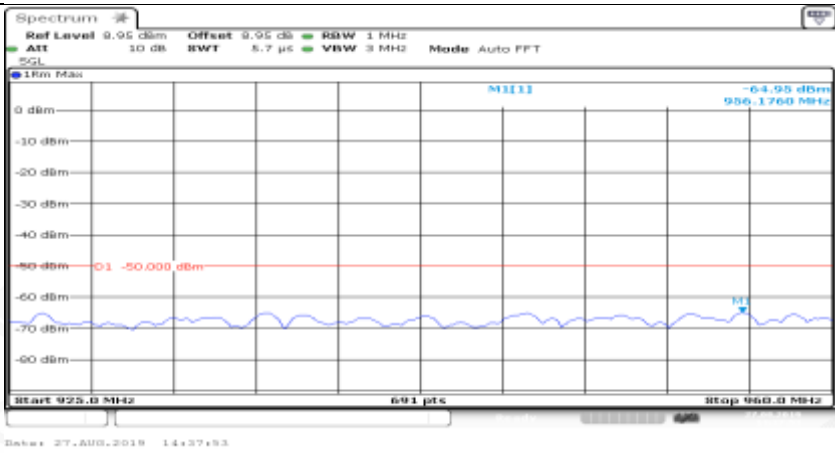
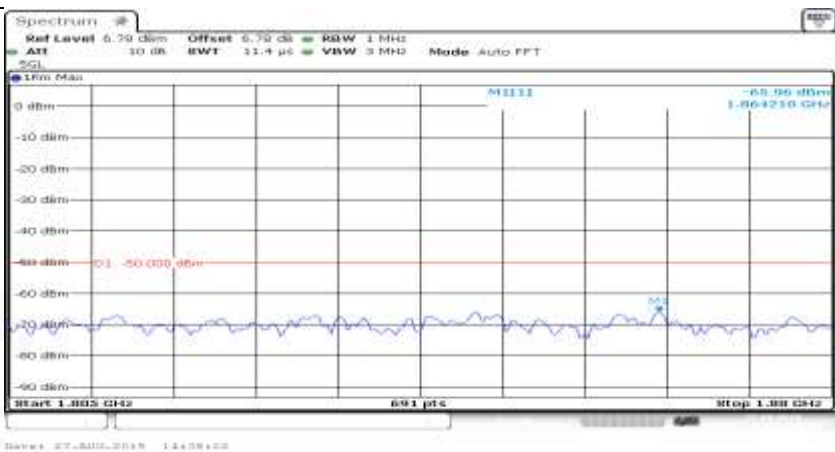


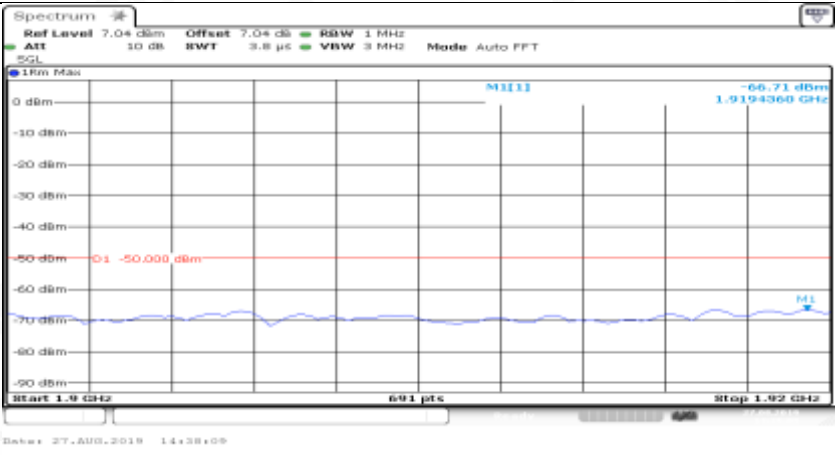
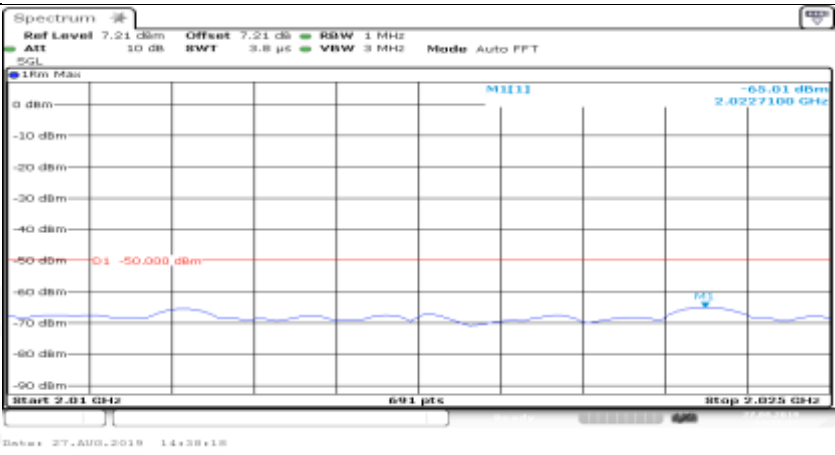

Co-existence	
Co-existence	
Co-existence	
Additional	NA


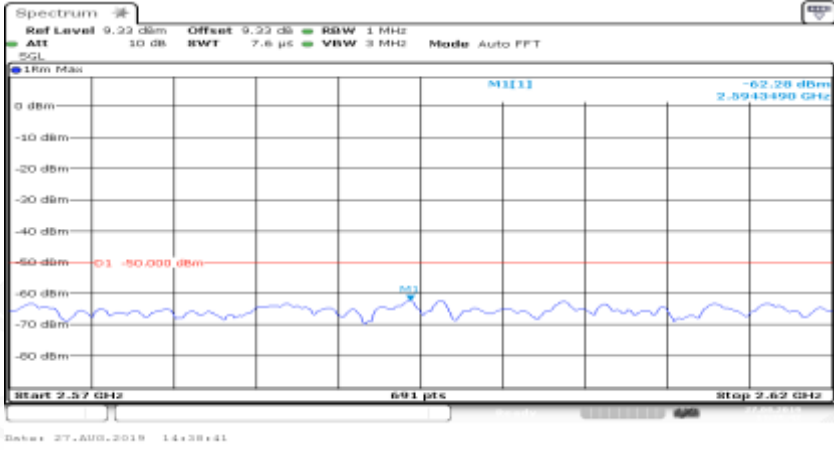
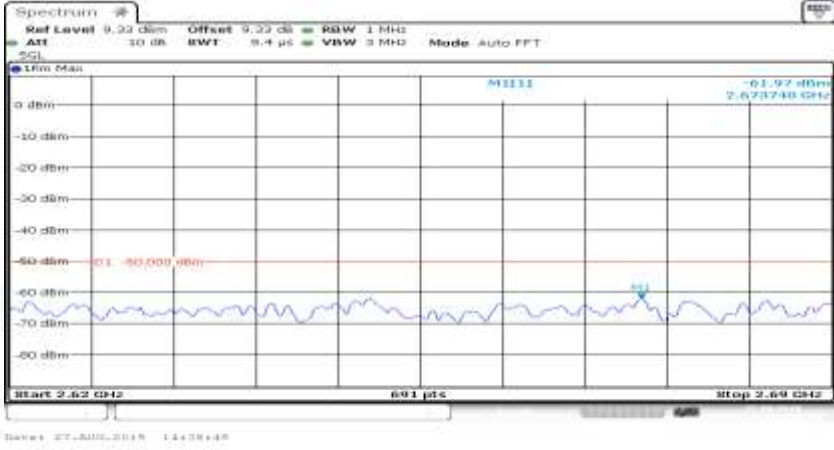
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#max



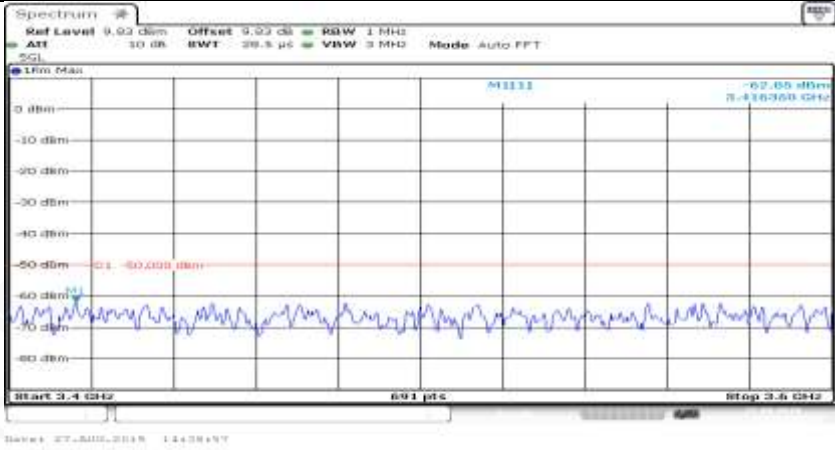
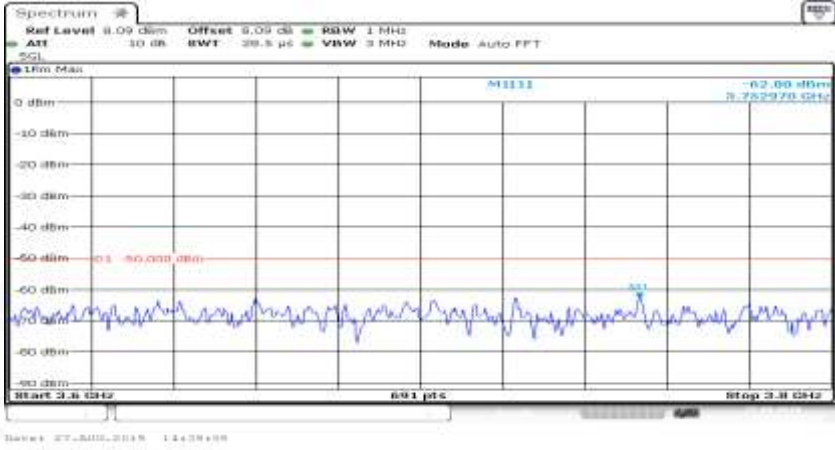
General	 <p>Spectrum</p> <p>Ref Level 8.95 dBm Offset 0.95 dB RBW 100 kHz</p> <p>ATT 10 dB BW 113.8 μs VBW 300 kHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 901.05 MHz</p> <p>691 pts</p> <p>Stop 901.05 MHz</p> <p>Date: 27.AUG.2018 14:37:21</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 1.0 GHz</p> <p>691 pts</p> <p>Stop 1.0 GHz</p> <p>Date: 27.AUG.2018 14:37:22</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 5.0 GHz</p> <p>Date: 27.AUG.2018 14:37:27</p>

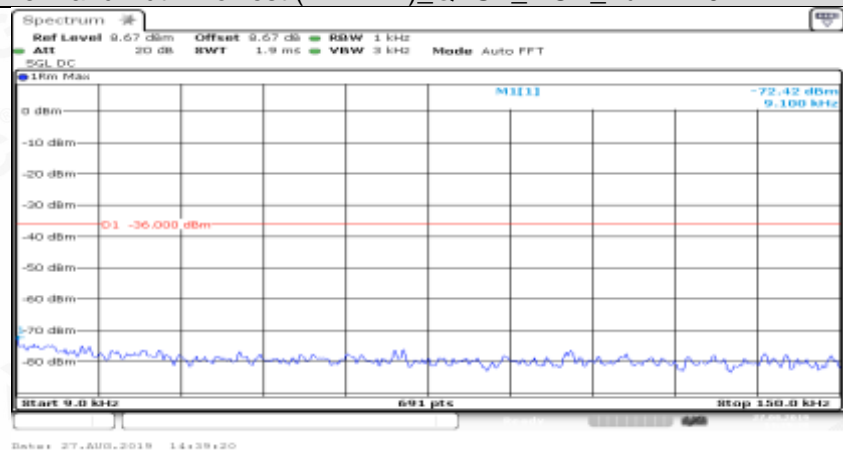
Co-existence	
Co-existence	
Co-existence	

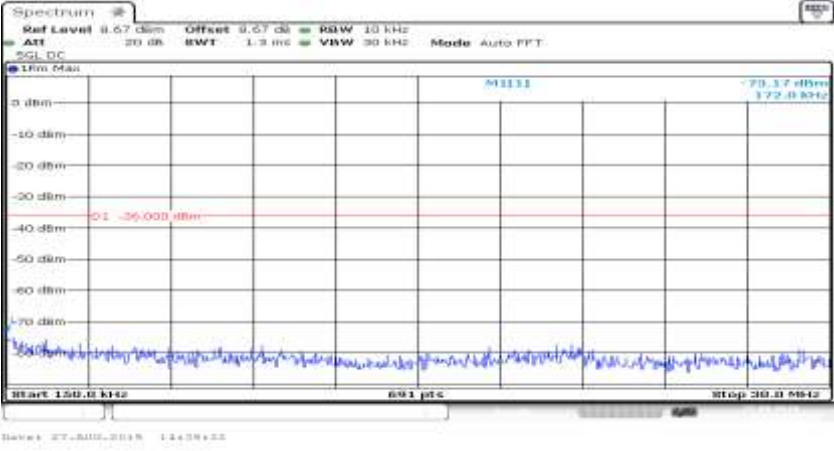
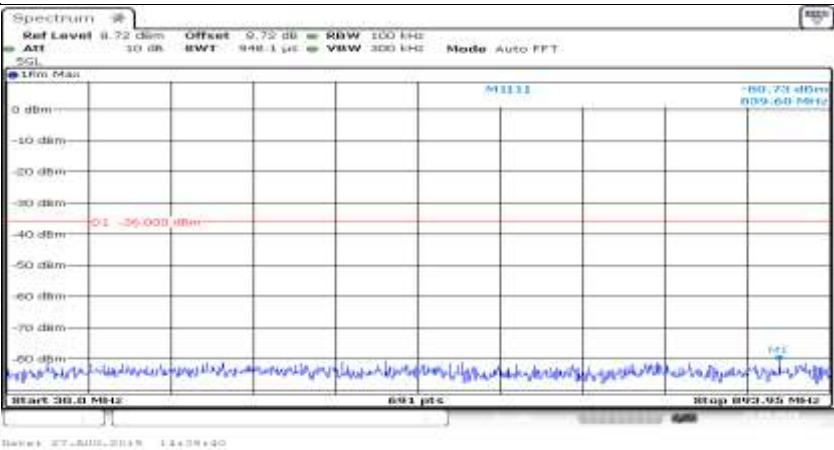
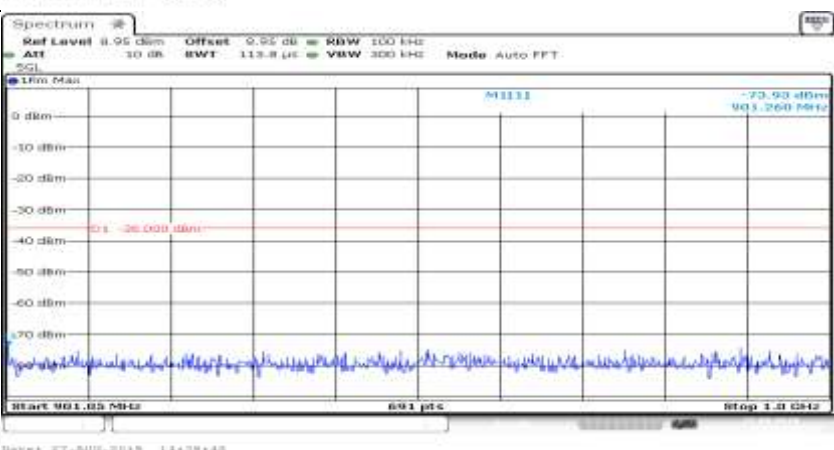
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

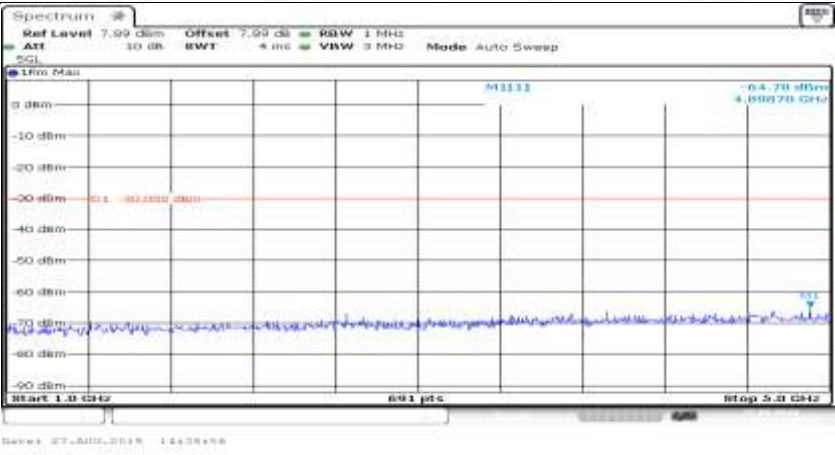
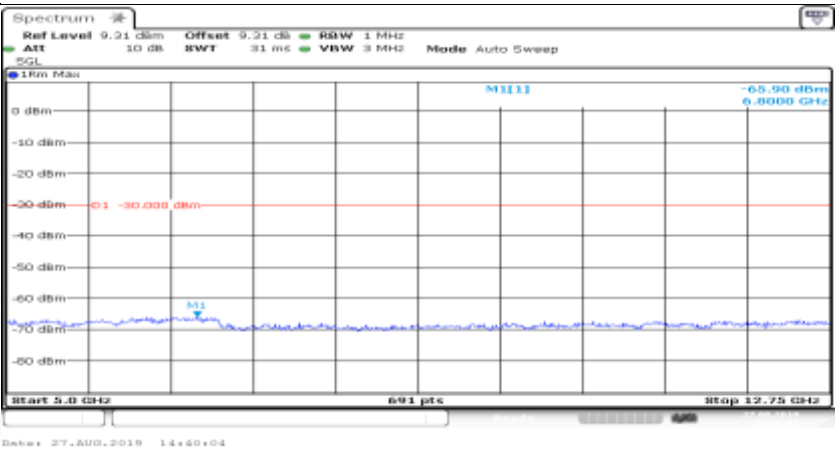
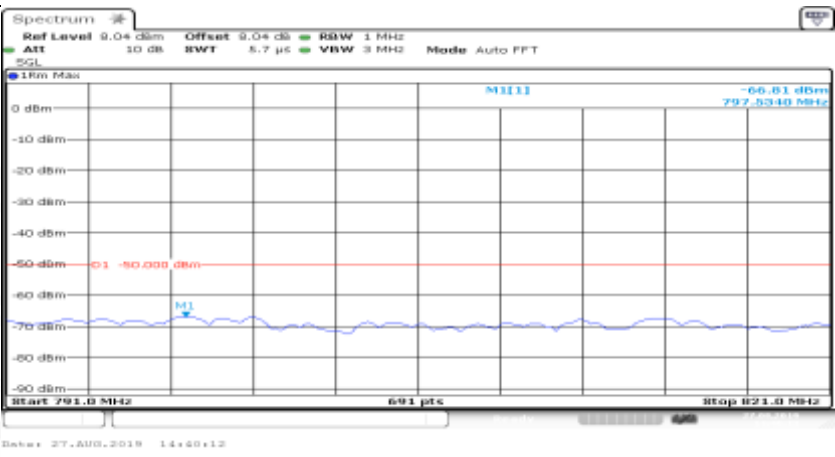


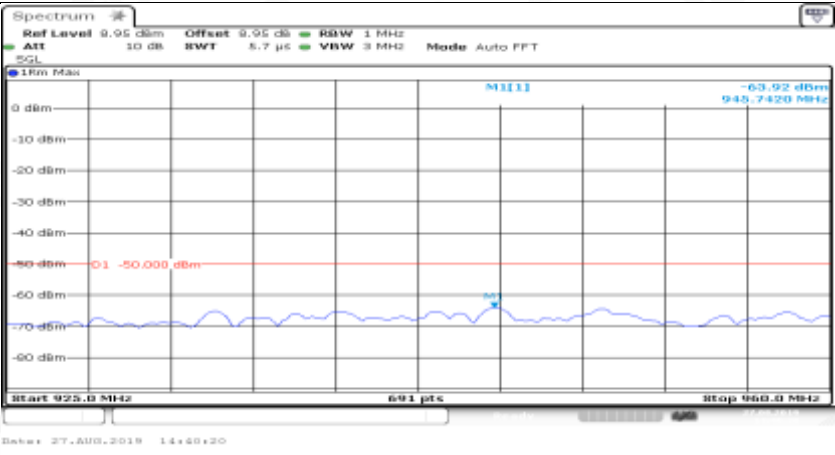

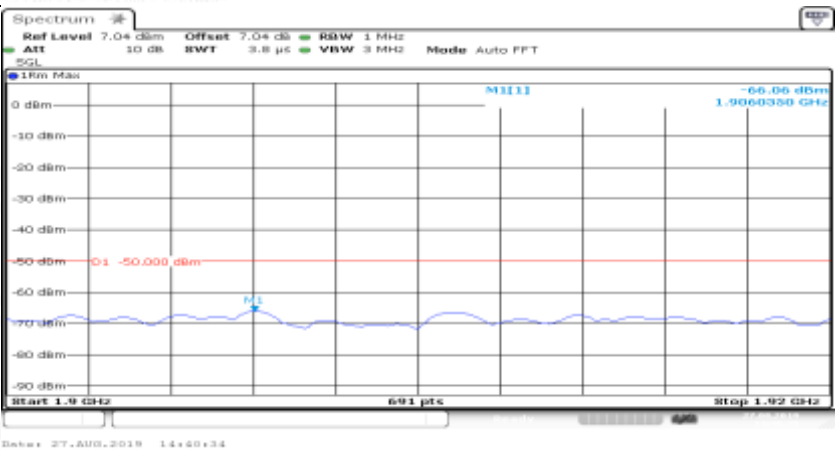
Co-existence	
Co-existence	
Additional	NA

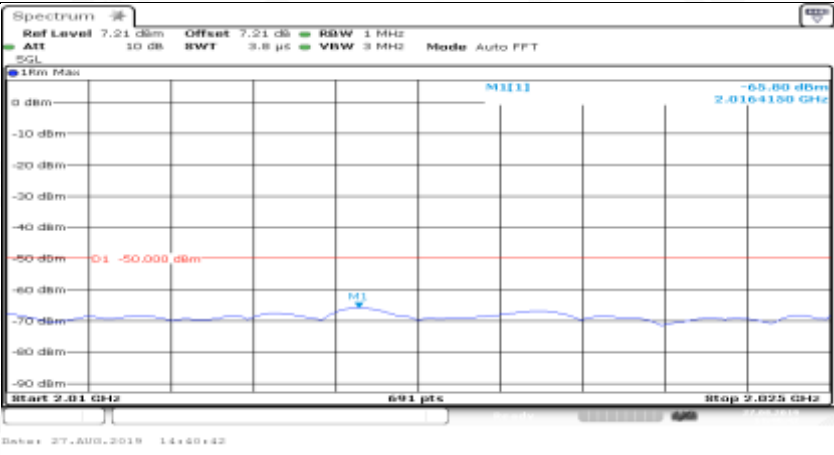


Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
General	

General	
General	
General	

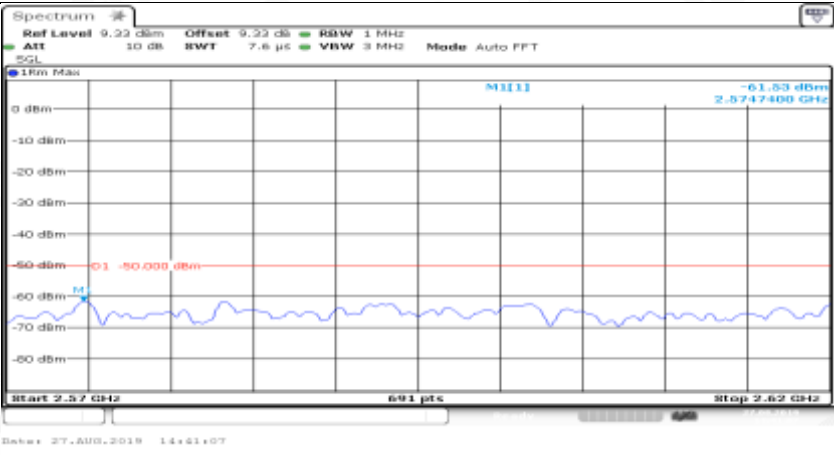

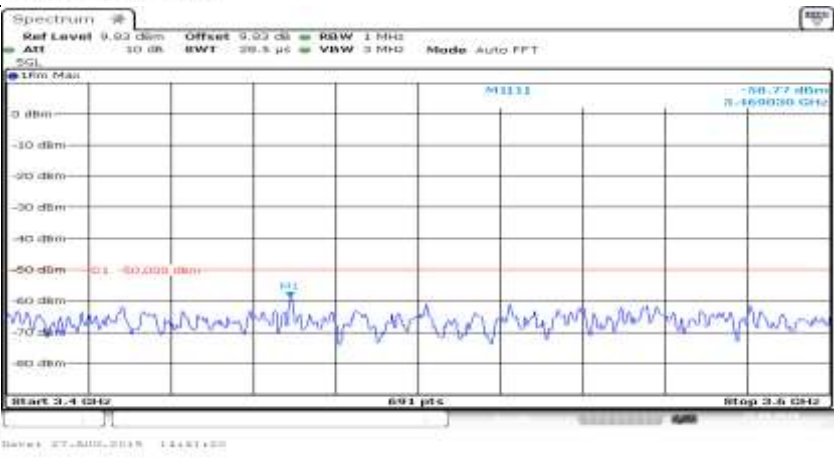


General	
General	
Co-existence	

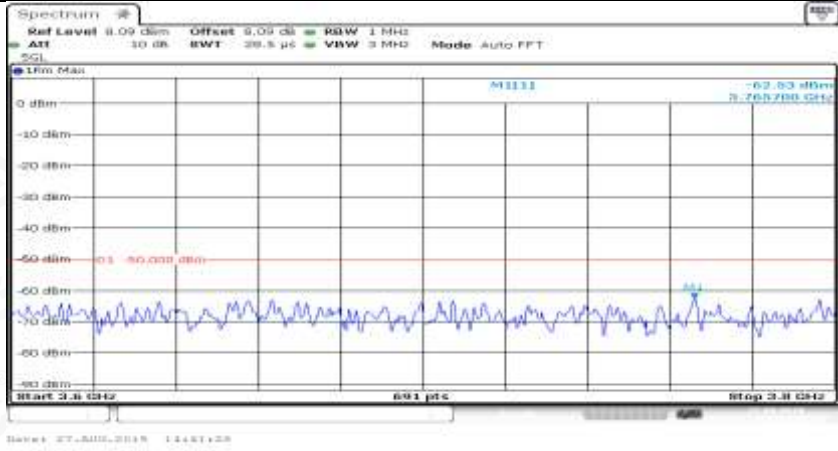
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

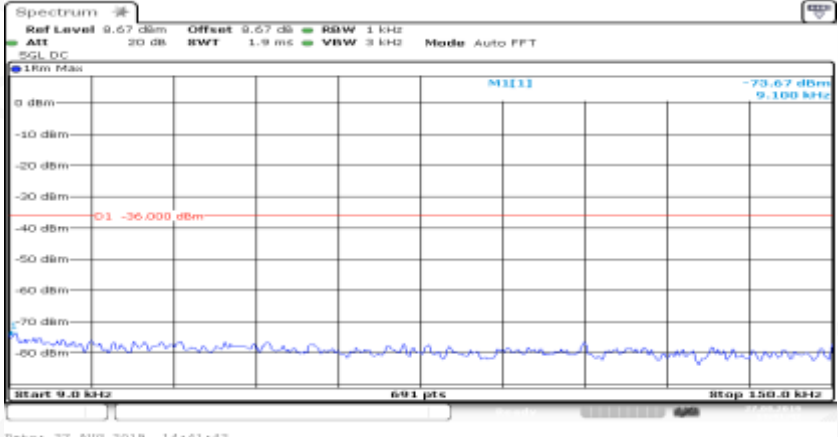
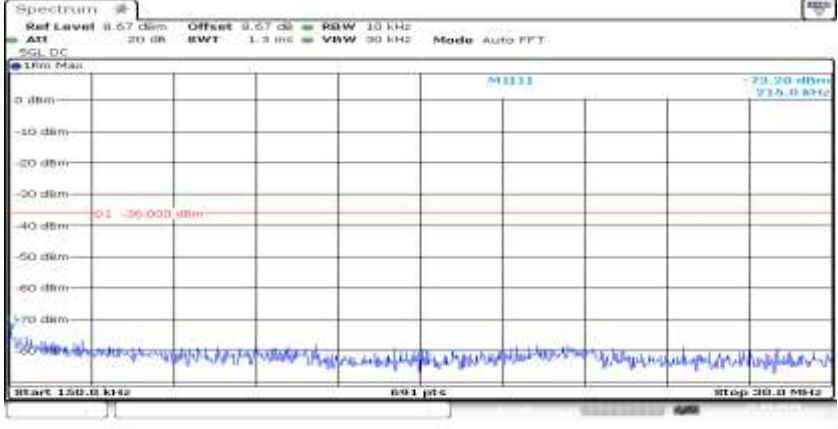


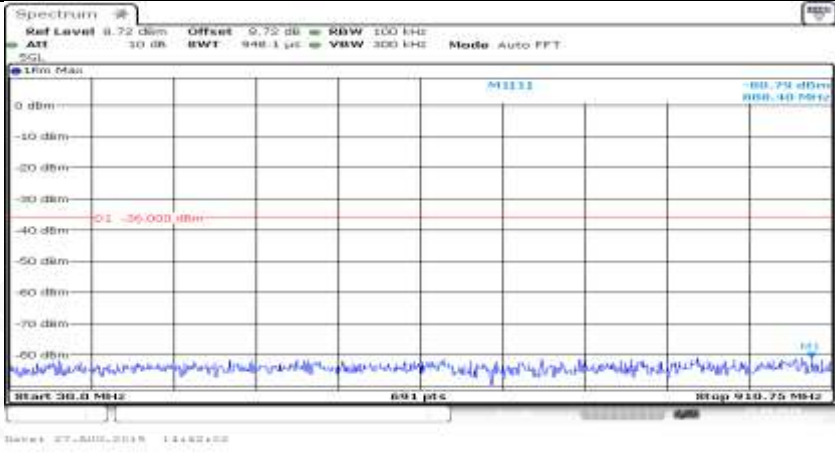
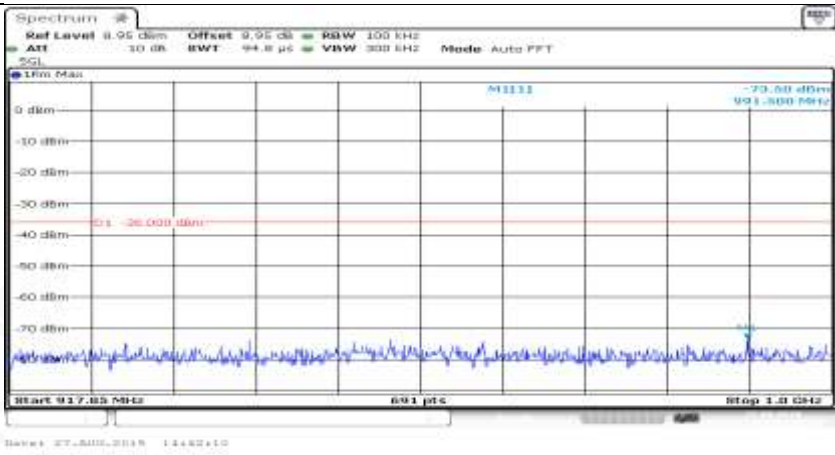
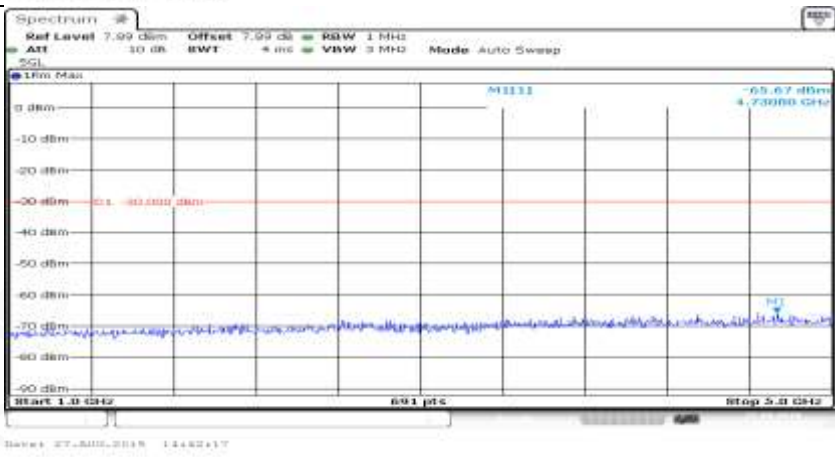
Co-existence	
Co-existence	
Co-existence	

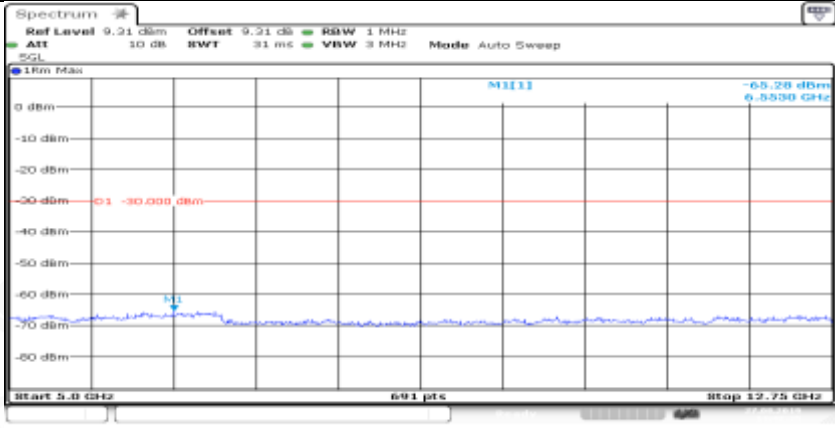

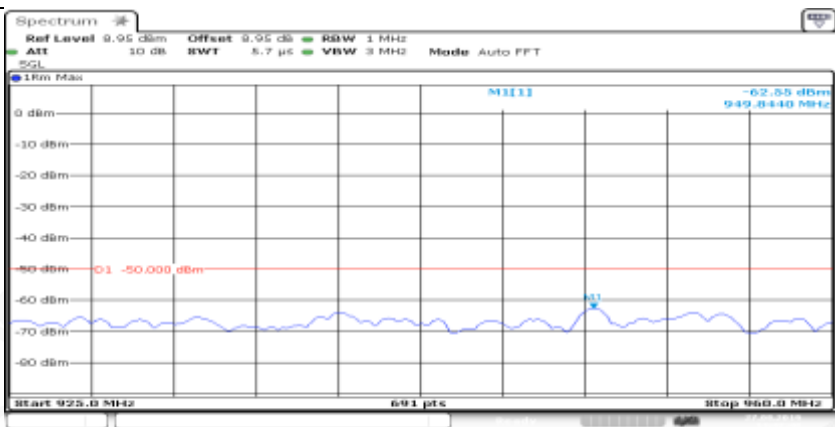


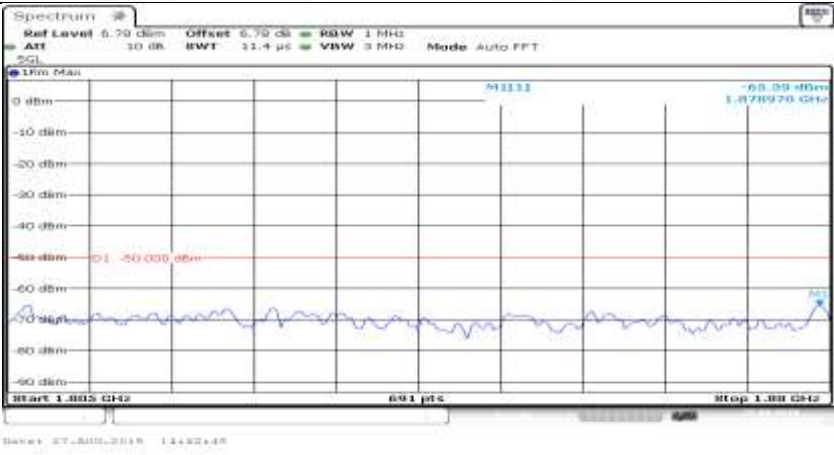
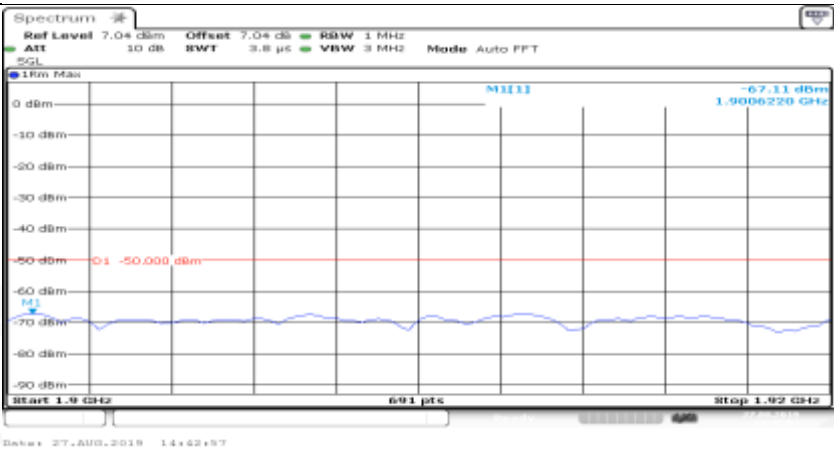
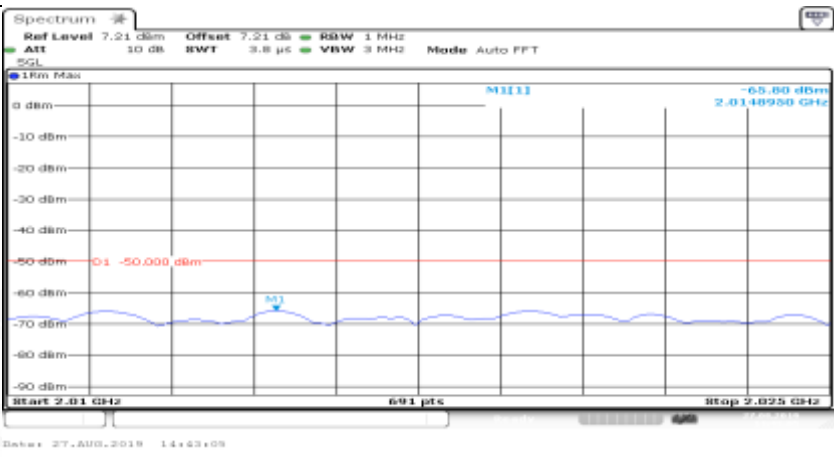
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#0

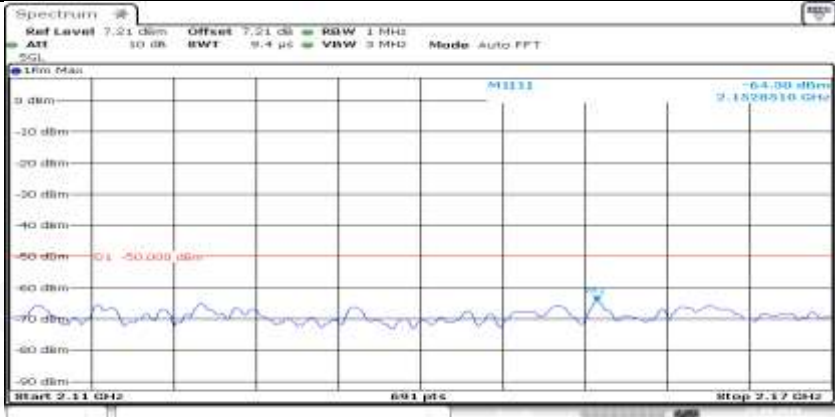
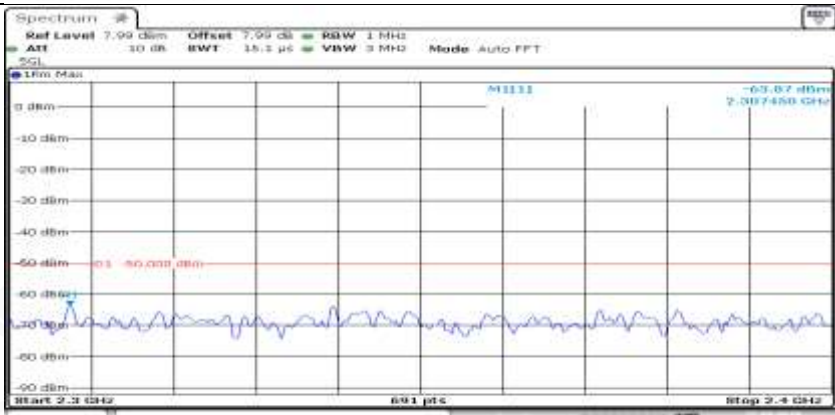

General	
General	

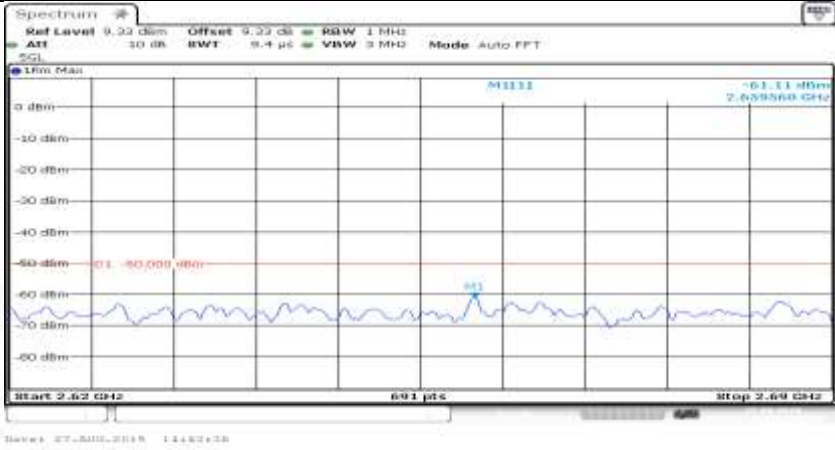
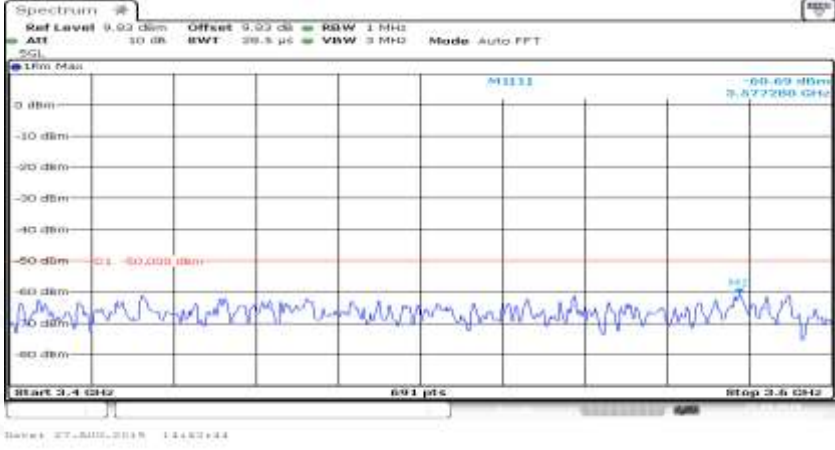

General	
General	
General	

General	 <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Peak: -65.28 dBm at 6.8530 GHz</p>
Co-existence	 <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Peak: -66.24 dBm at 818.1560 MHz</p>
Co-existence	 <p>Ref Level 9.95 dBm Offset 9.95 dB RBW 1 MHz ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>Peak: -62.55 dBm at 949.8440 MHz</p>

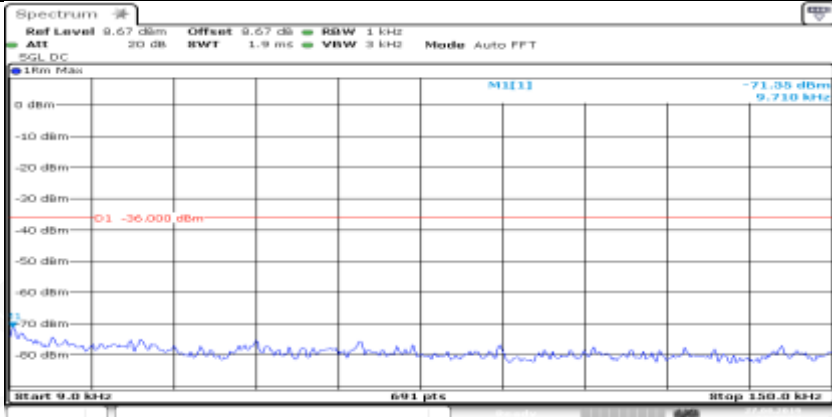
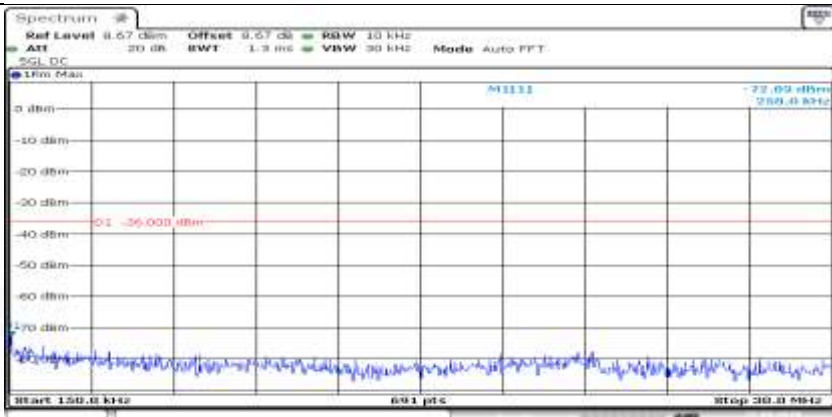
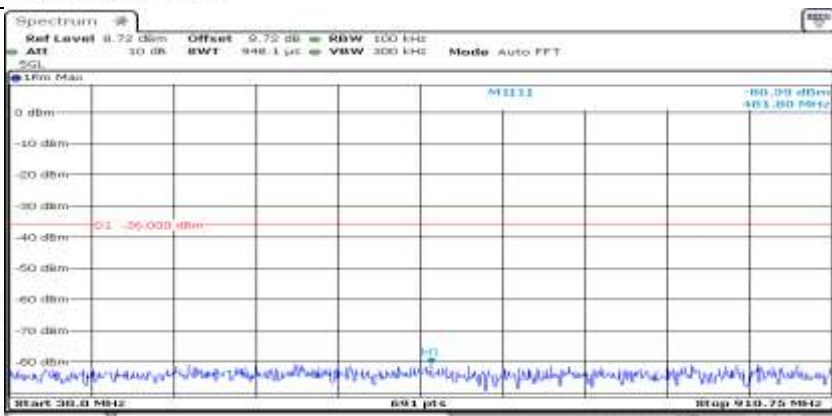
Co-existence	
Co-existence	
Co-existence	

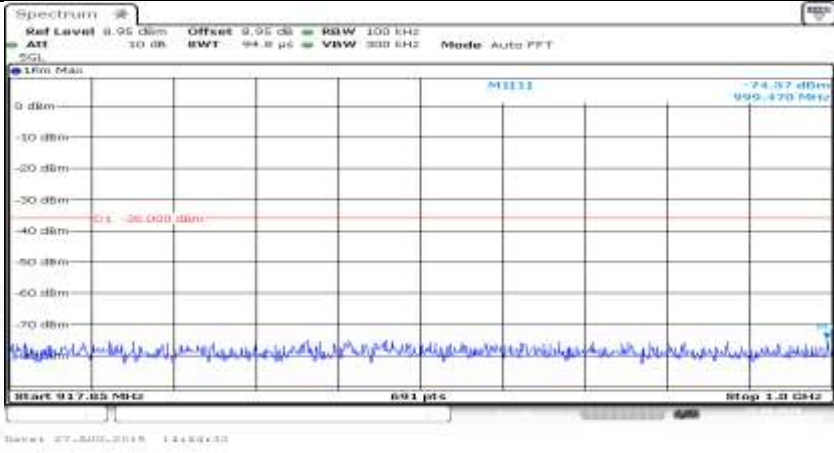
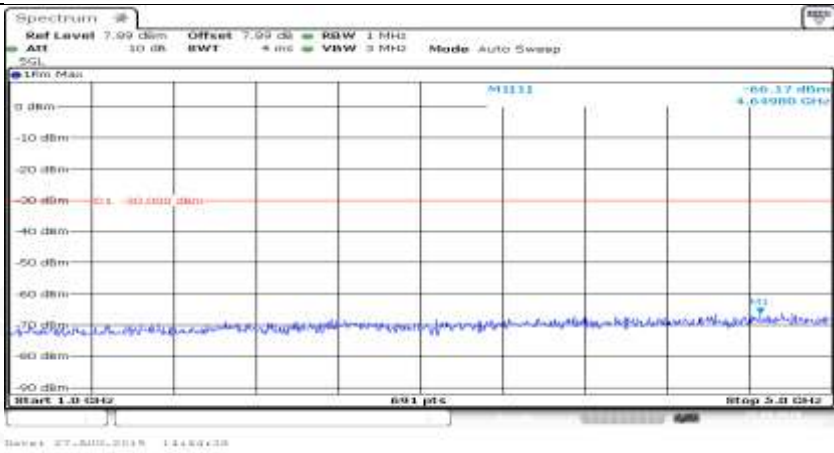
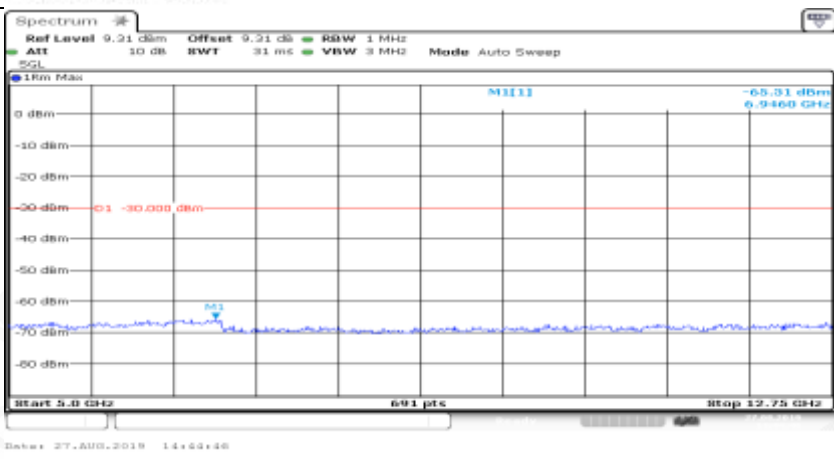


Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 15.1 µs VBW 3 MHz</p> <p>1RM Max</p> <p>Start 2.11 GHz Stop 2.17 GHz</p> <p>641 pts</p> <p>2.1528510 GHz</p> <p>-64.34 dBm</p> <p>2.1528510 GHz</p> <p>27.AUG.2018 14:52:13</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 15.1 µs VBW 3 MHz</p> <p>1RM Max</p> <p>Start 2.3 GHz Stop 2.4 GHz</p> <p>641 pts</p> <p>2.307450 GHz</p> <p>-65.07 dBm</p> <p>2.307450 GHz</p> <p>27.AUG.2018 14:52:21</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 7.6 µs VBW 3 MHz</p> <p>1RM Max</p> <p>Start 2.57 GHz Stop 2.62 GHz</p> <p>641 pts</p> <p>2.5796600 GHz</p> <p>-61.67 dBm</p> <p>2.5796600 GHz</p> <p>27.AUG.2018 14:53:29</p>

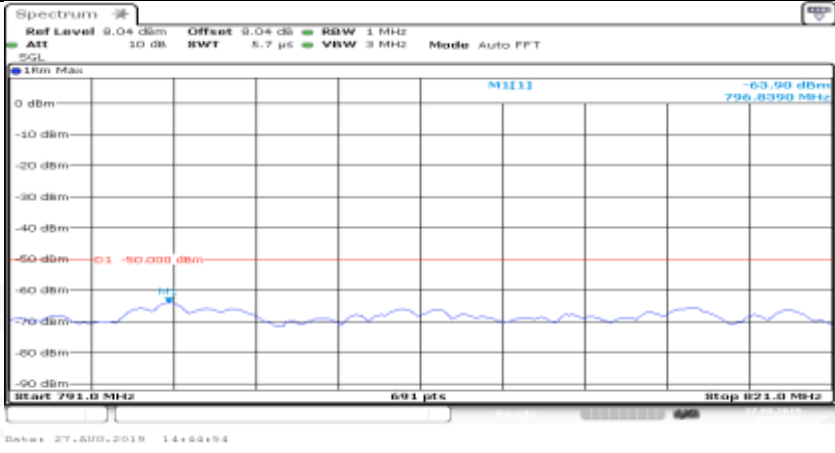
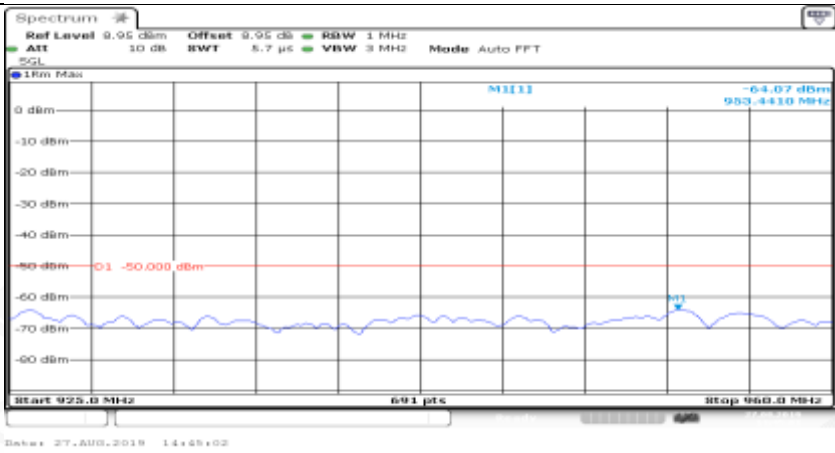
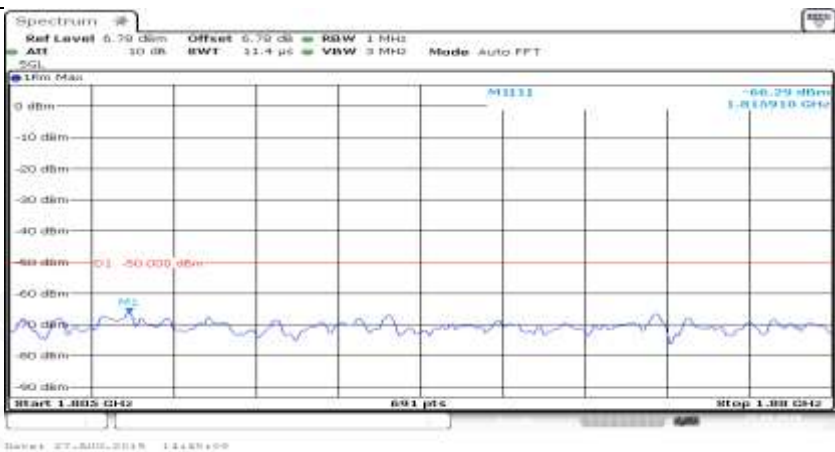
Co-existence	
Co-existence	
Co-existence	
Additional	NA

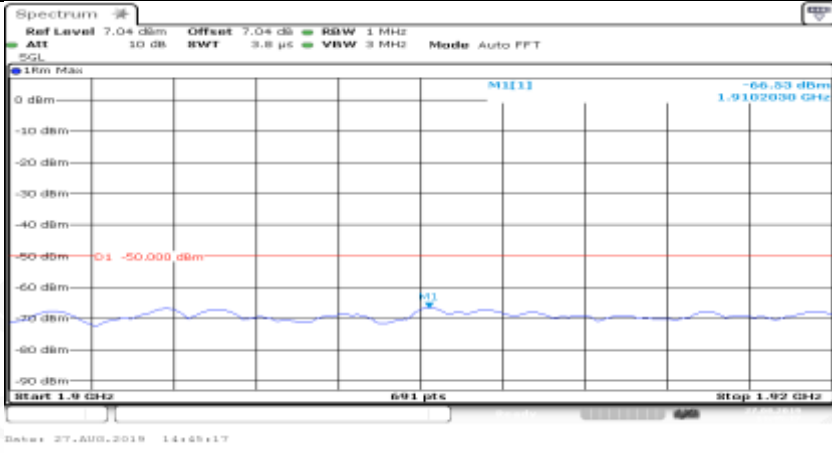
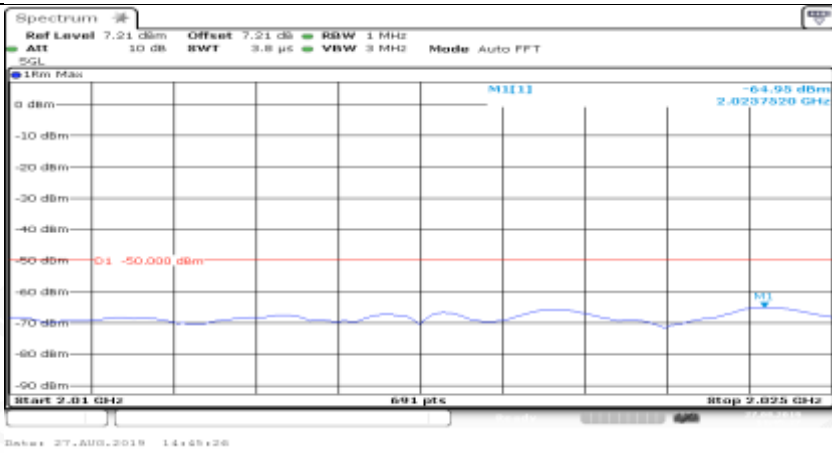
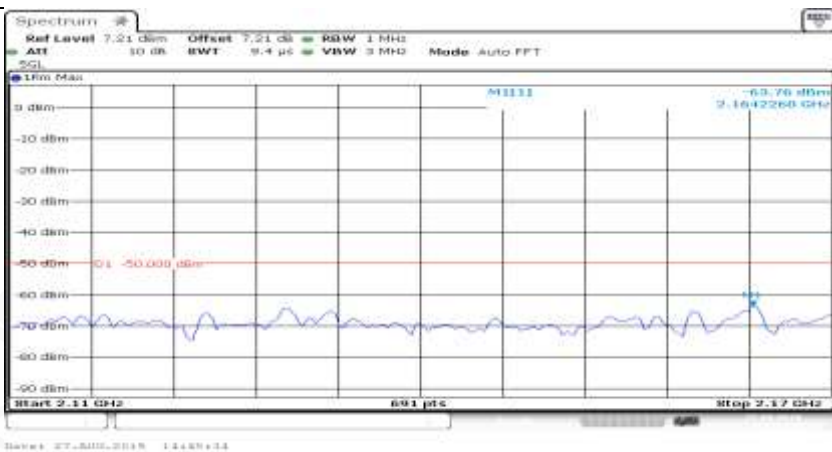
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#max

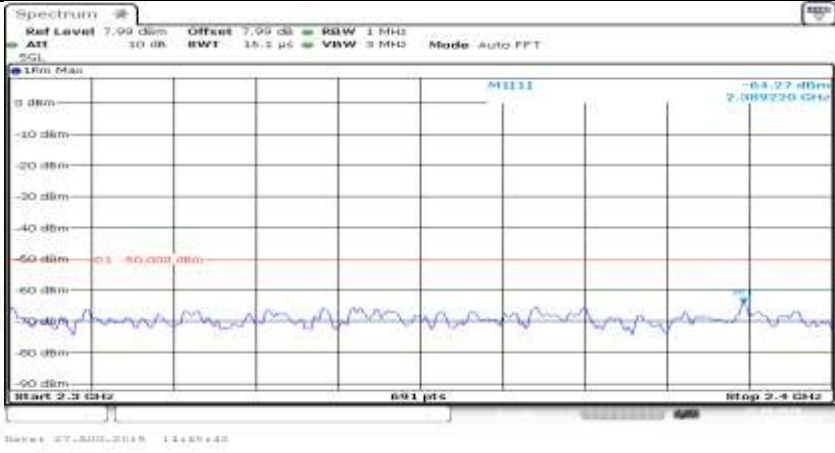
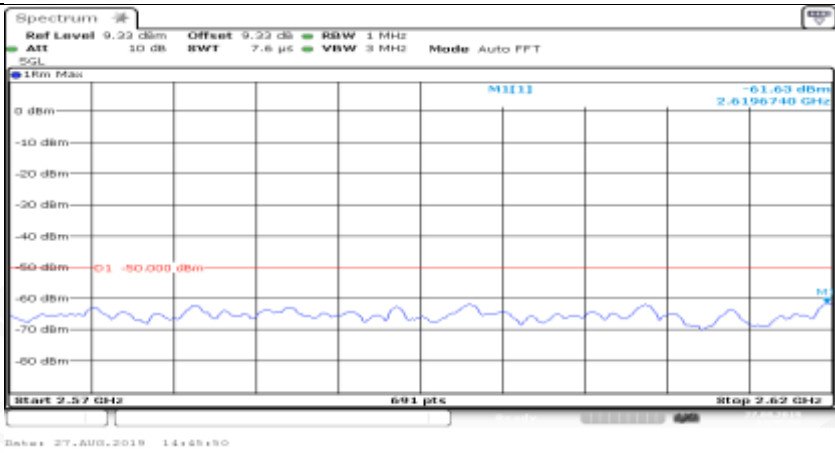
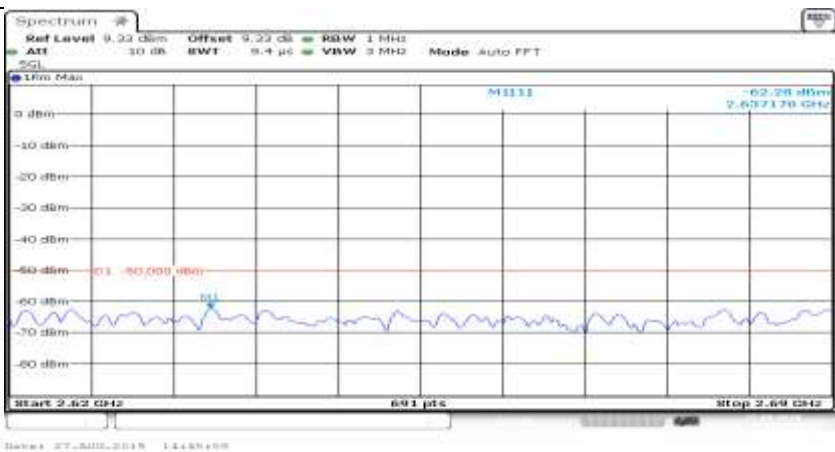
General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>-71.35 dBm</p> <p>-36.000 dBm</p> <p>27.AUG.2019 14:53:04</p>
General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>-72.09 dBm</p> <p>-36.000 dBm</p> <p>27.AUG.2019 14:53:14</p>
General	 <p>Spectrum</p> <p>Ref Level 0.72 dBm Offset 0.72 dB RBW 100 kHz</p> <p>ATT 30 dB BW 948.1 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 200.0 MHz 691 pts Stop 910.75 MHz</p> <p>-80.39 dBm</p> <p>-36.000 dBm</p> <p>27.AUG.2019 14:53:22</p>

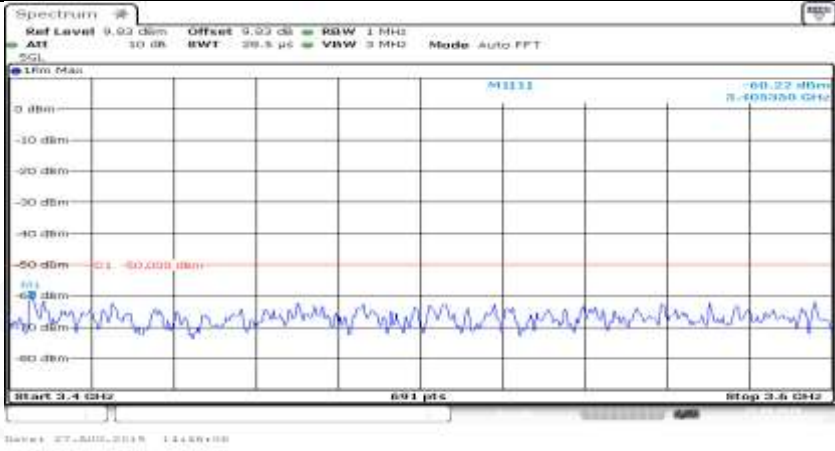
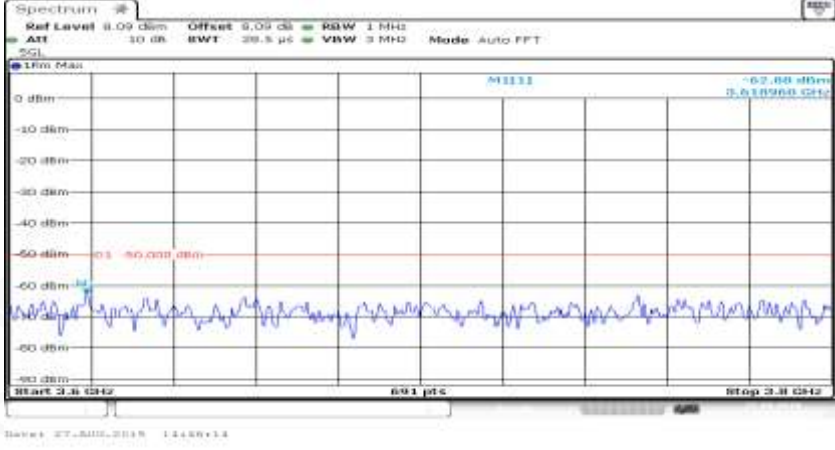
General	
General	
General	

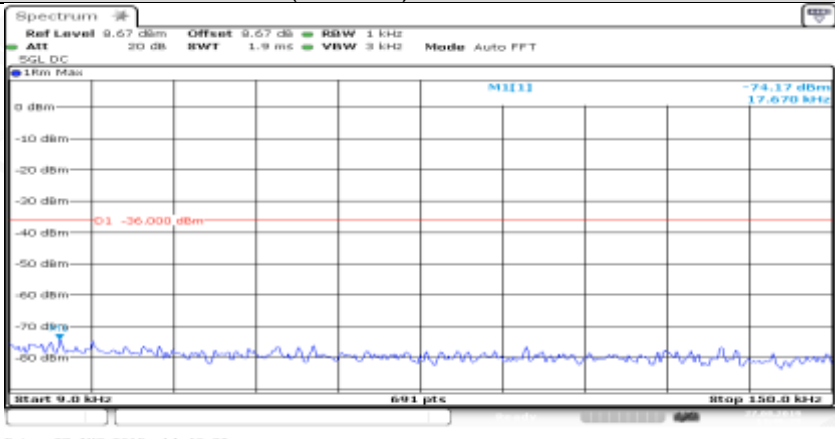


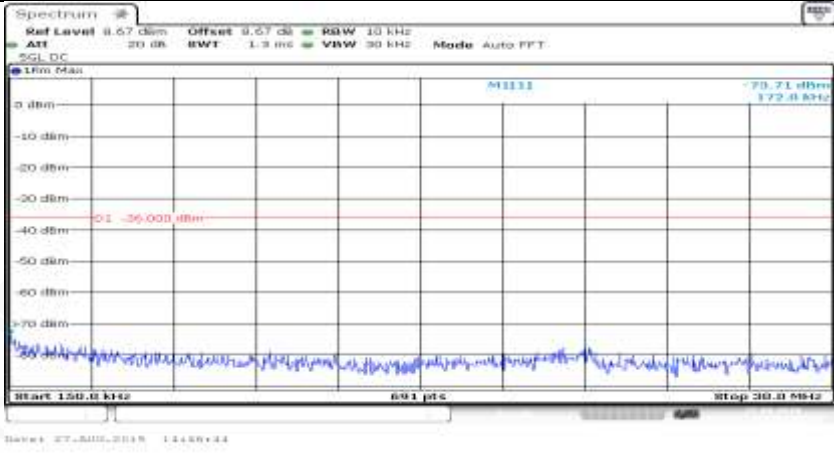
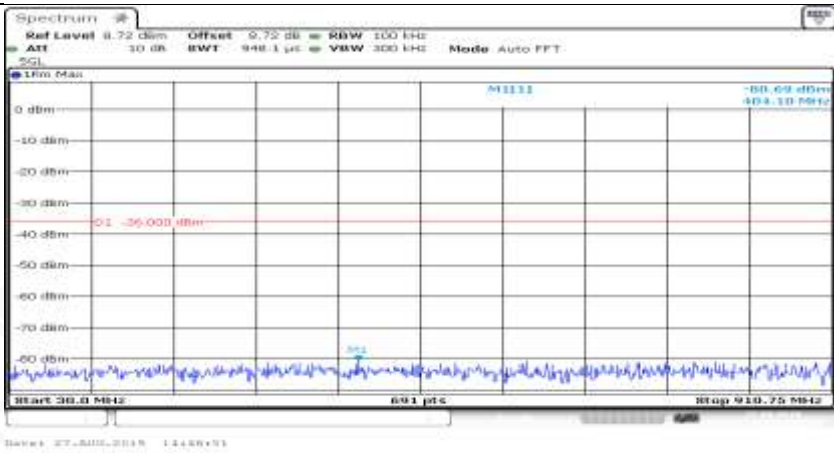
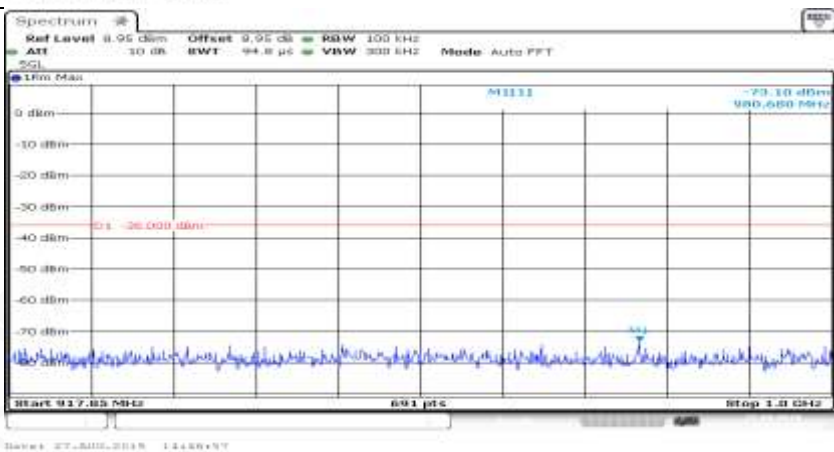
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

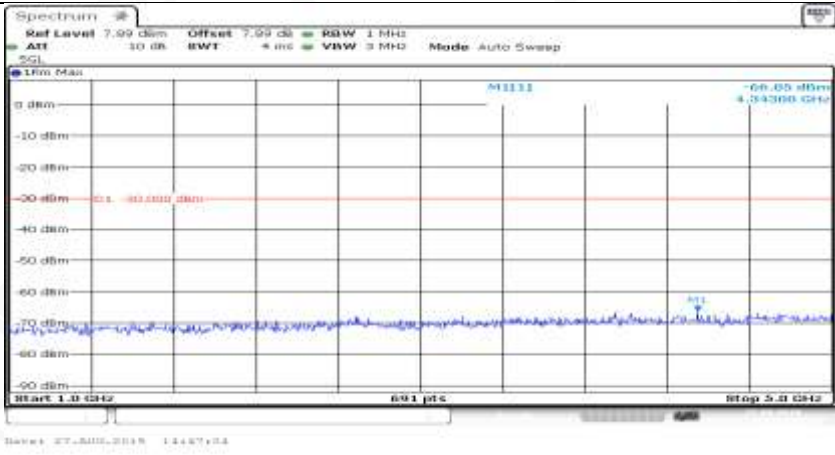
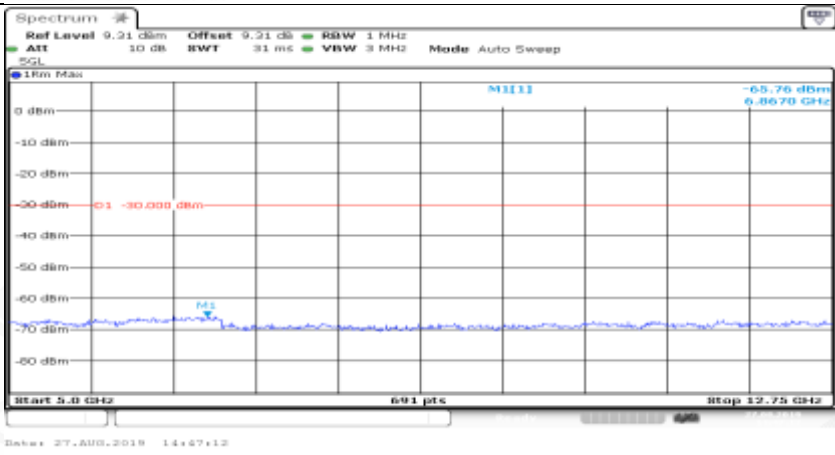
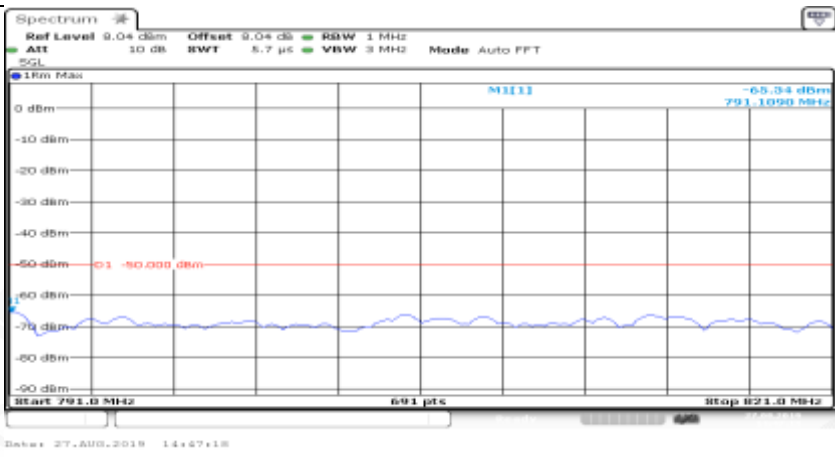
Co-existence	
Co-existence	
Co-existence	

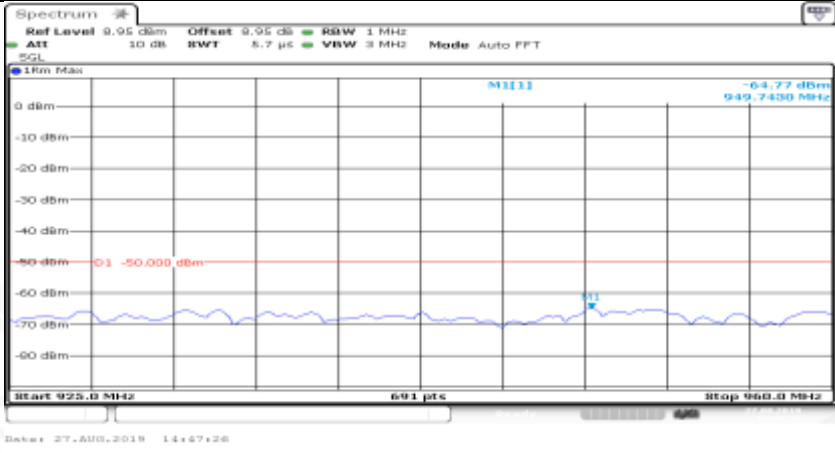

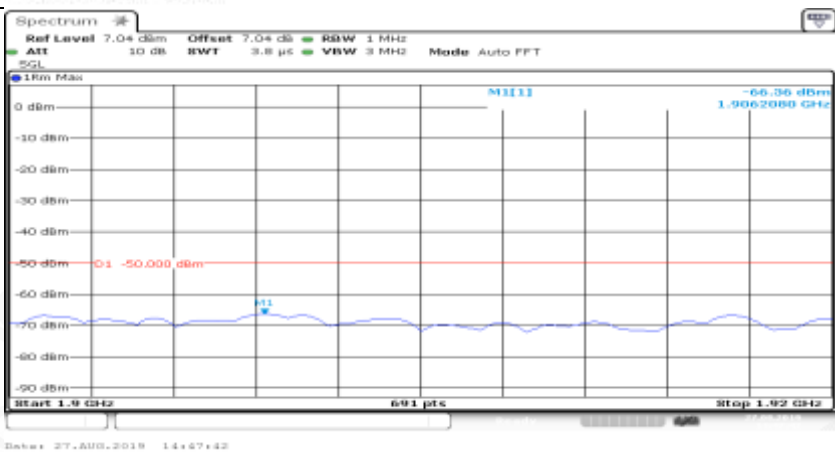
Co-existence	
Co-existence	
Additional	NA

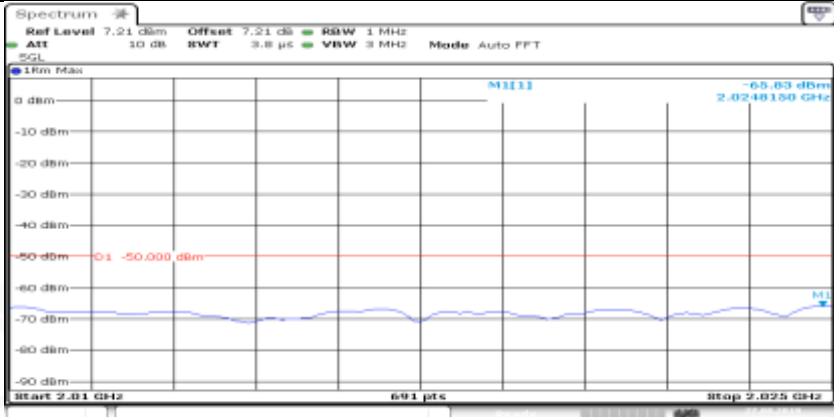
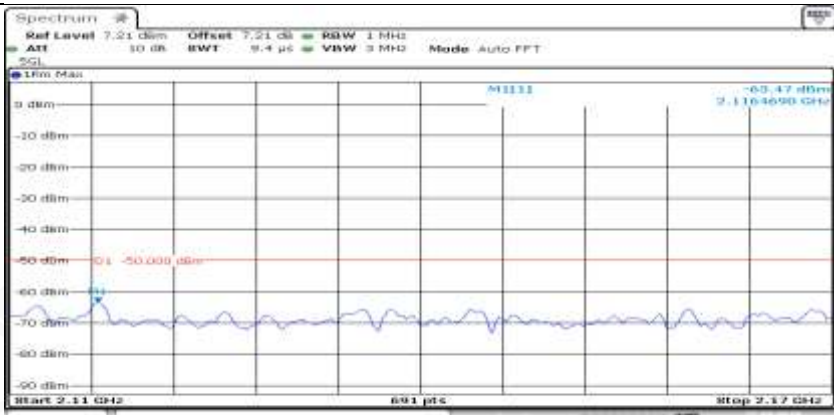
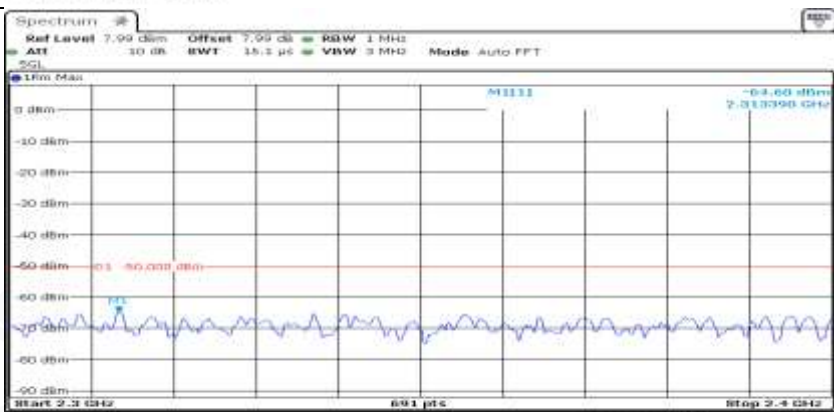
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullIRB#0	
General	

General	
General	
General	

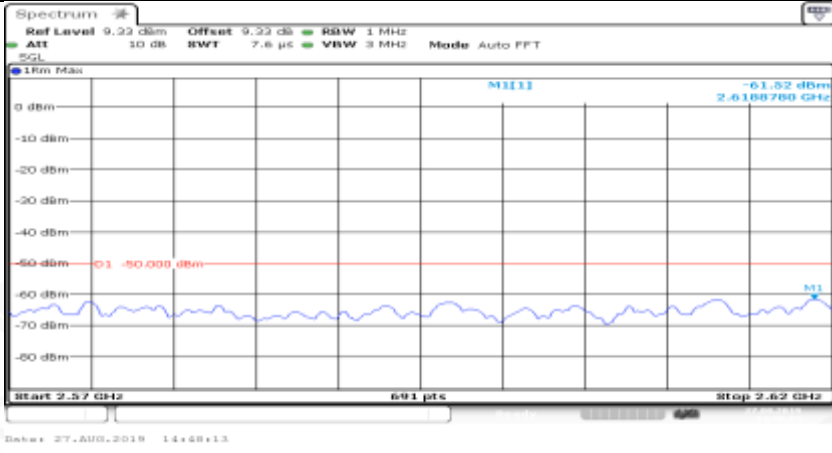




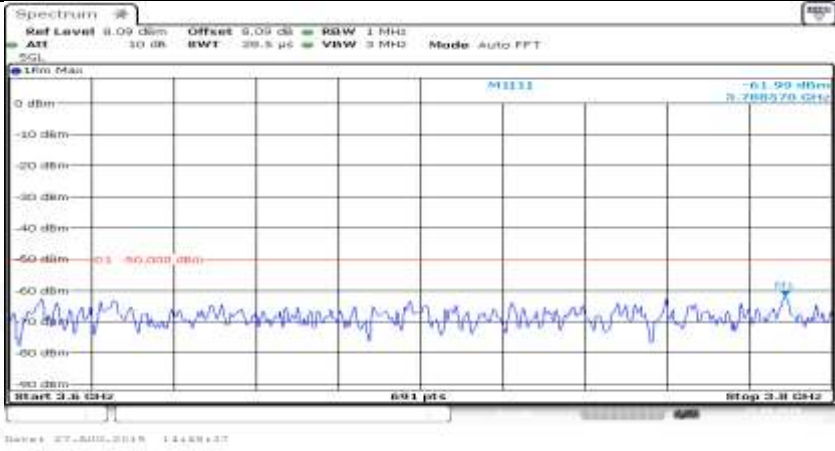
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

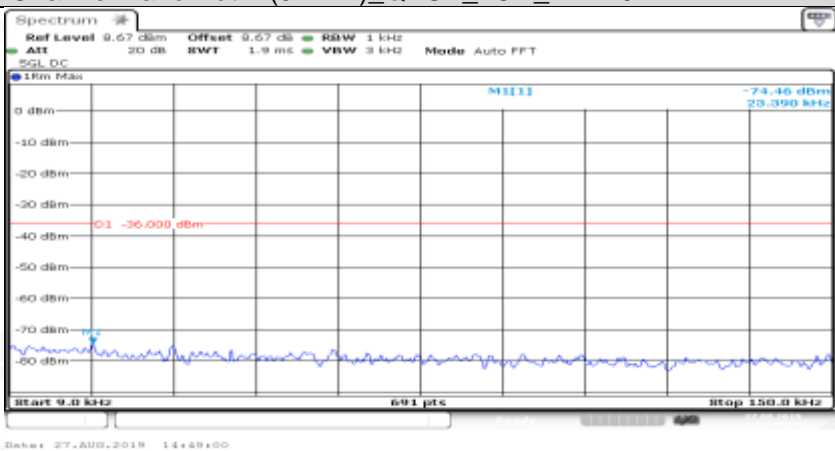
Co-existence	 <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 27.AUG.2018 14:57:50</p>
Co-existence	 <p>Start 2.11 GHz 691 pts Stop 2.12 GHz</p> <p>Date: 27.AUG.2018 14:57:57</p>
Co-existence	 <p>Start 2.3 GHz 691 pts Stop 2.4 GHz</p> <p>Date: 27.AUG.2018 14:58:08</p>

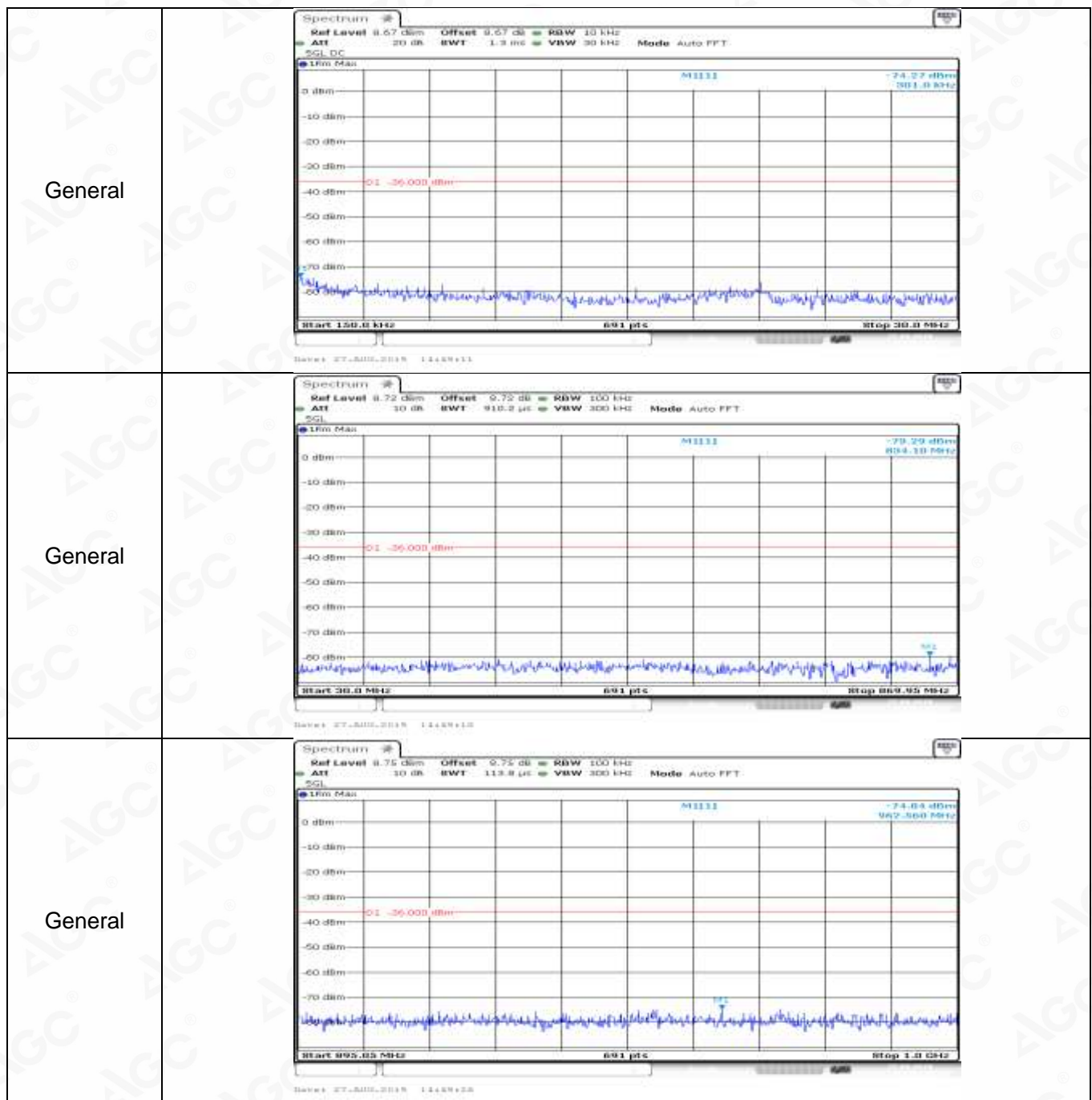


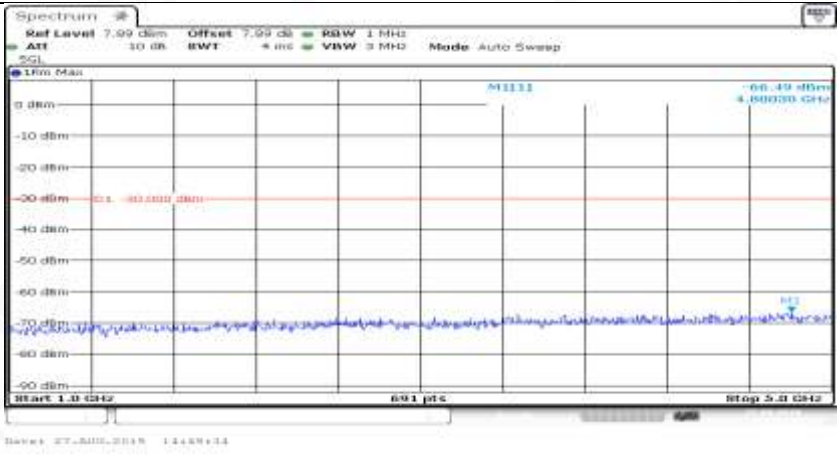
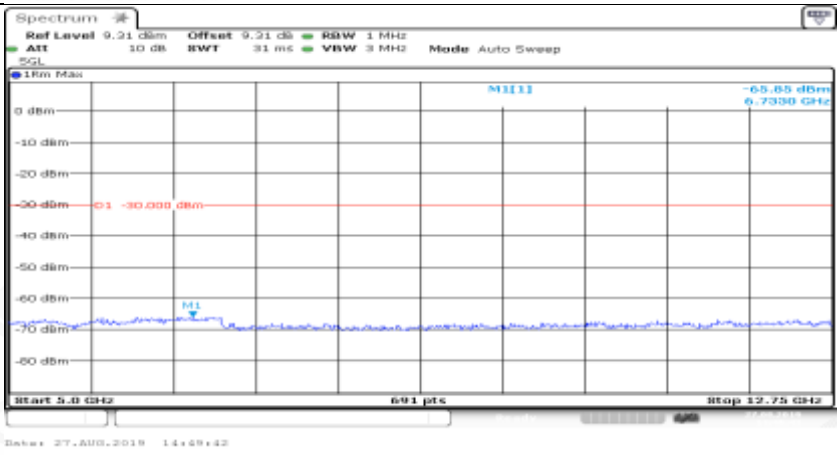
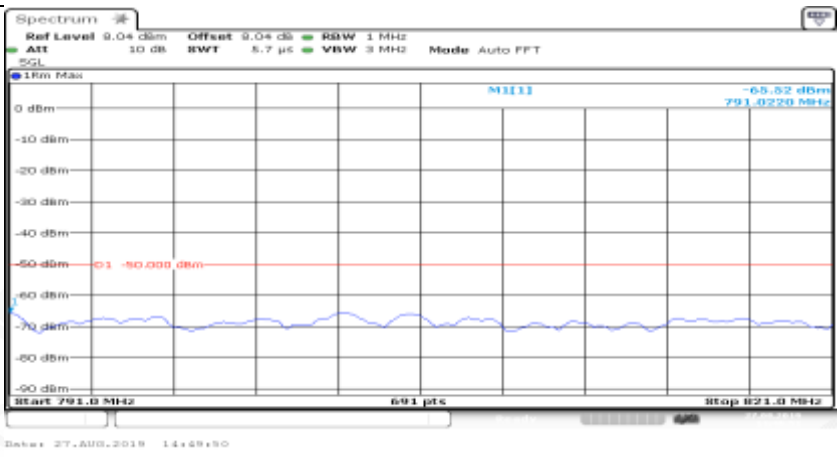
Co-existence	
Co-existence	
Co-existence	

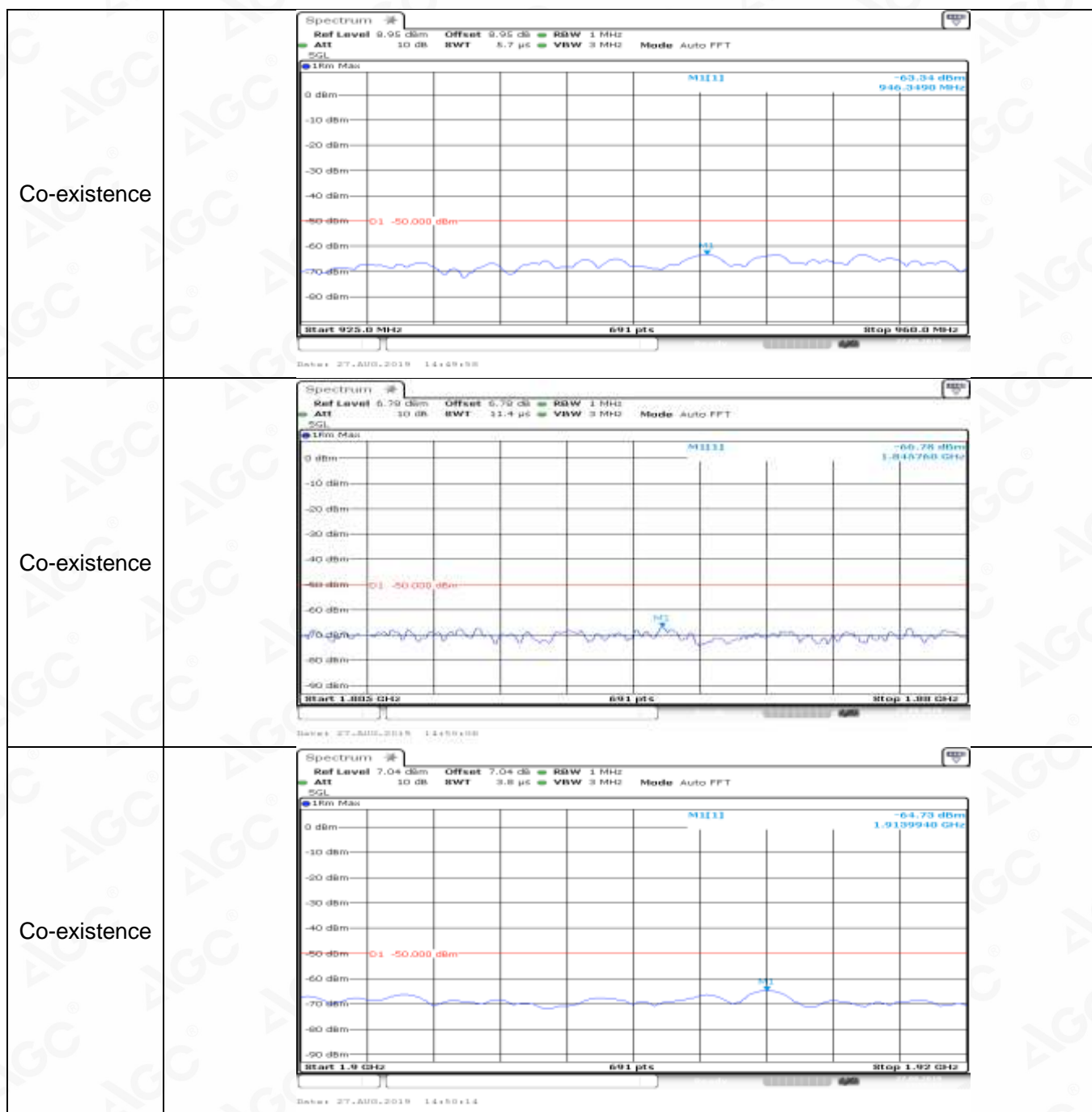
Co-existence	
Additional	NA

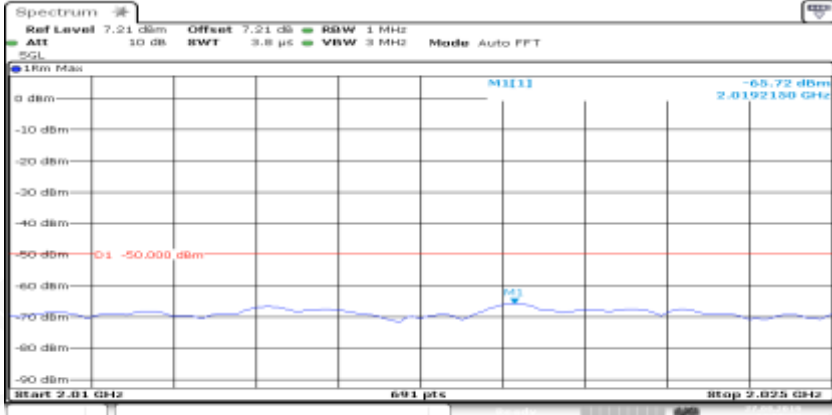

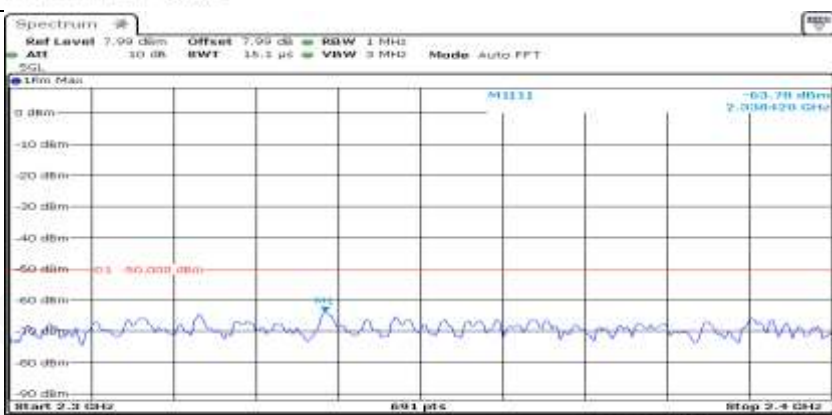
Channel Bandwidth= (5 MHz)

Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	

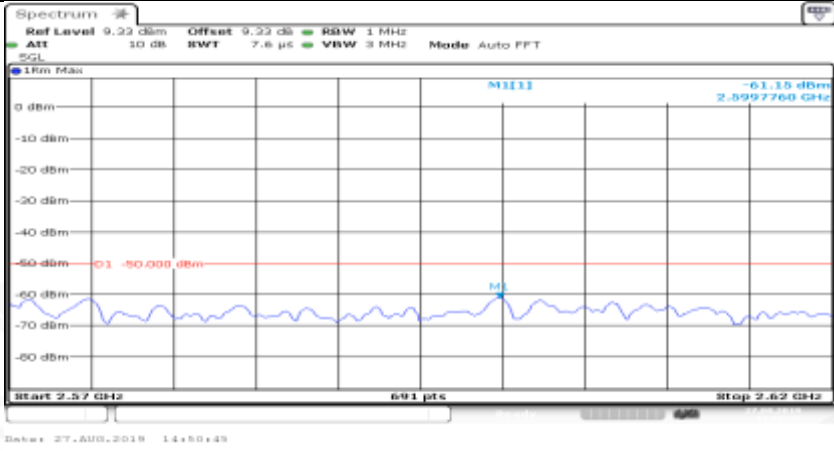
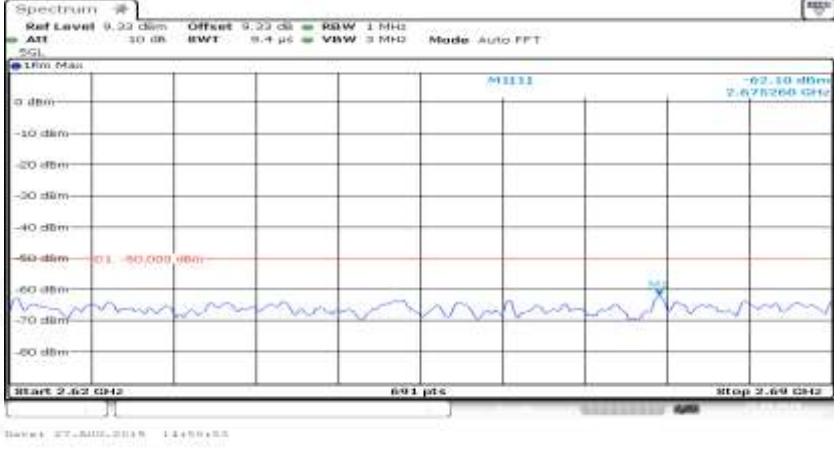
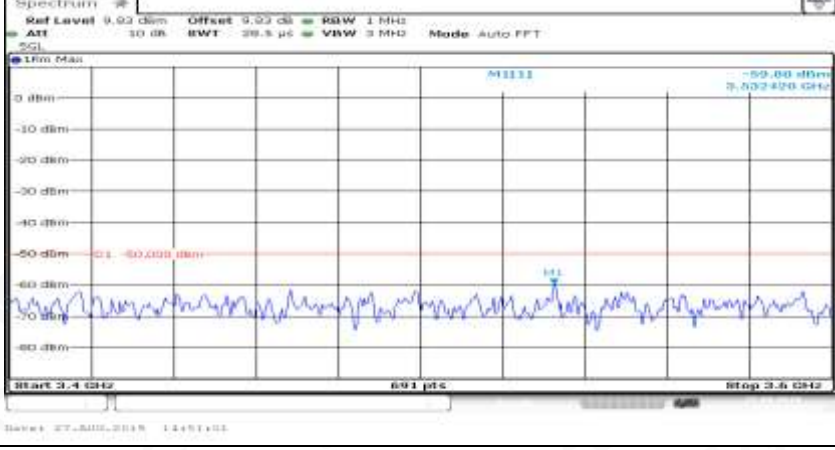


General	
General	
Co-existence	

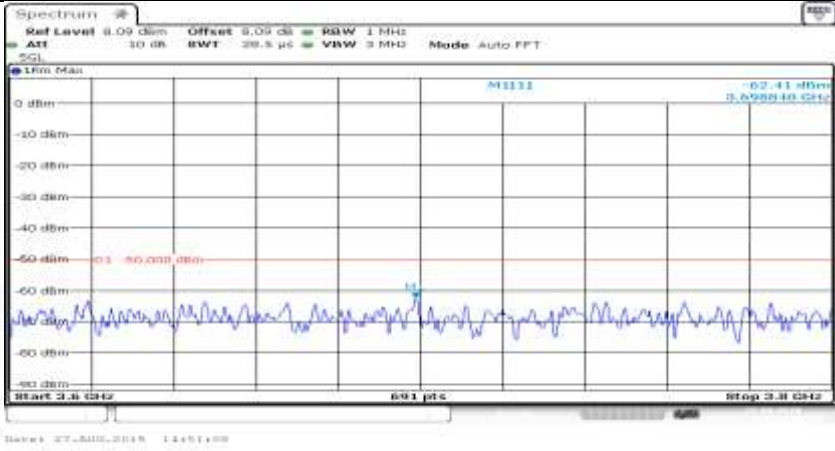


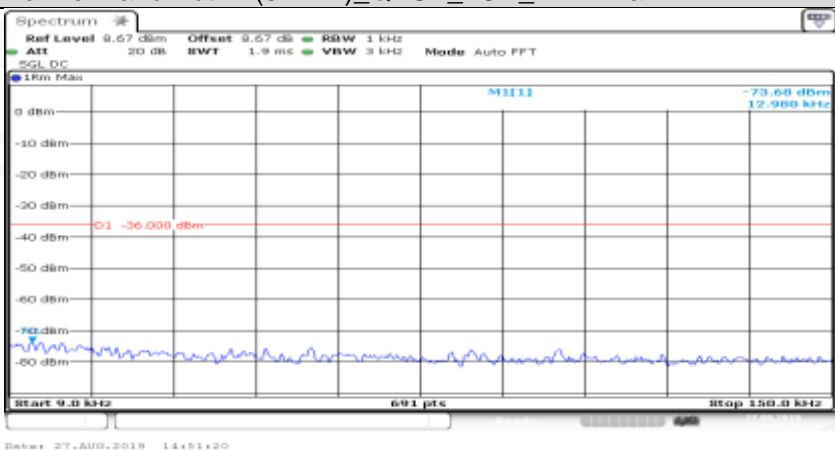
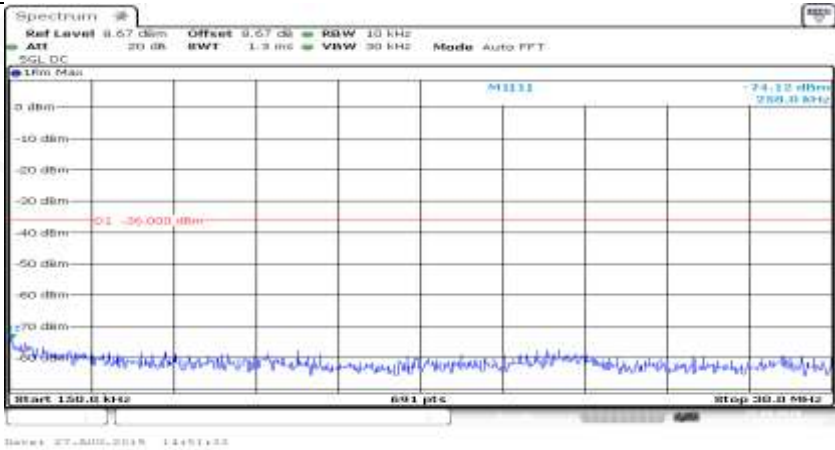
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz</p> <p>ATT 10 dB BWT 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>5GL</p> <p>LRM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm -50.000 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 2.01 GHz</p> <p>691 pts</p> <p>Stop 2.025 GHz</p> <p>Date: 27.AUG.2019 14:50:22</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz</p> <p>ATT 10 dB BWT 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>5GL</p> <p>LRM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm -50.000 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 2.11 GHz</p> <p>691 pts</p> <p>Stop 2.12 GHz</p> <p>Date: 27.AUG.2019 14:50:23</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz</p> <p>ATT 10 dB BWT 35.3 μs VBW 3 MHz Mode Auto FFT</p> <p>5GL</p> <p>LRM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm -50.000 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 2.3 GHz</p> <p>691 pts</p> <p>Stop 2.4 GHz</p> <p>Date: 27.AUG.2019 14:50:27</p>

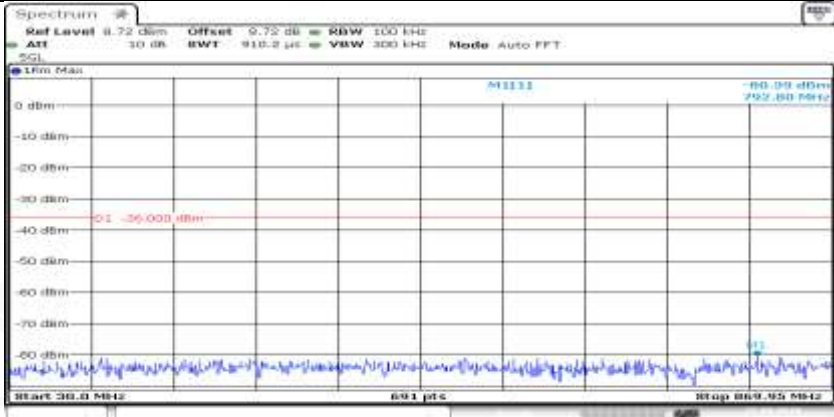
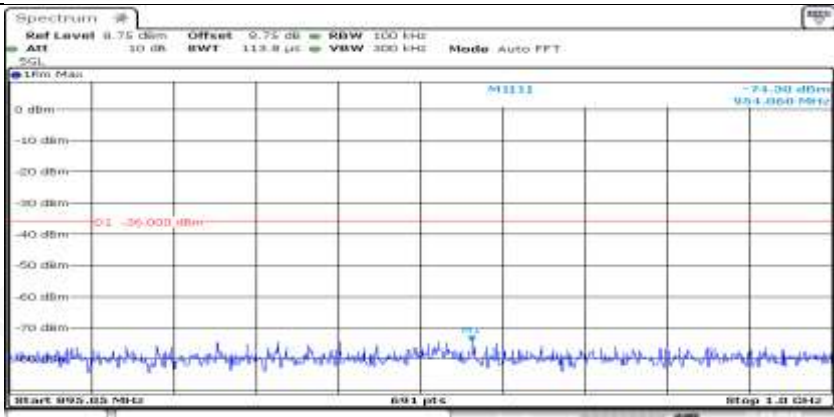
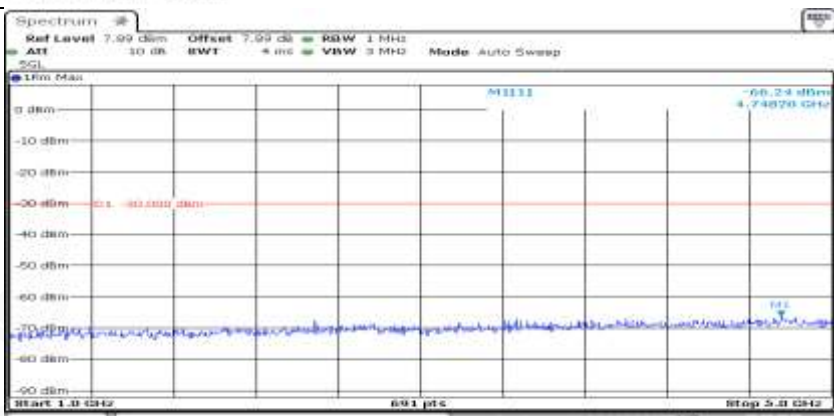


Co-existence	
Co-existence	
Co-existence	

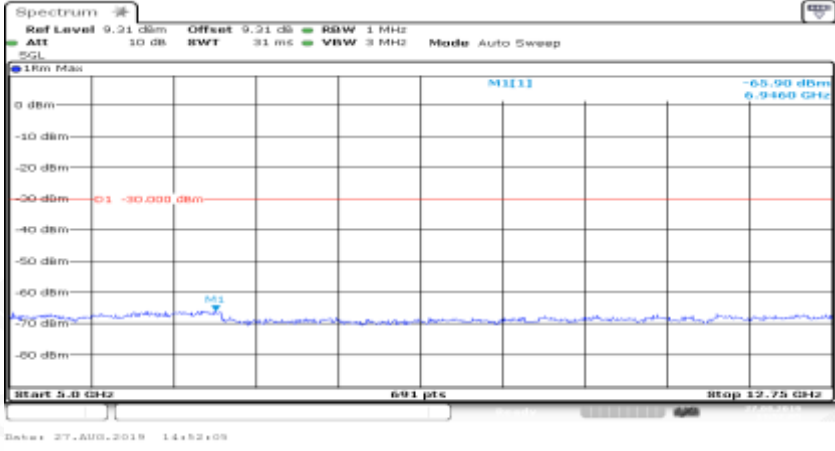
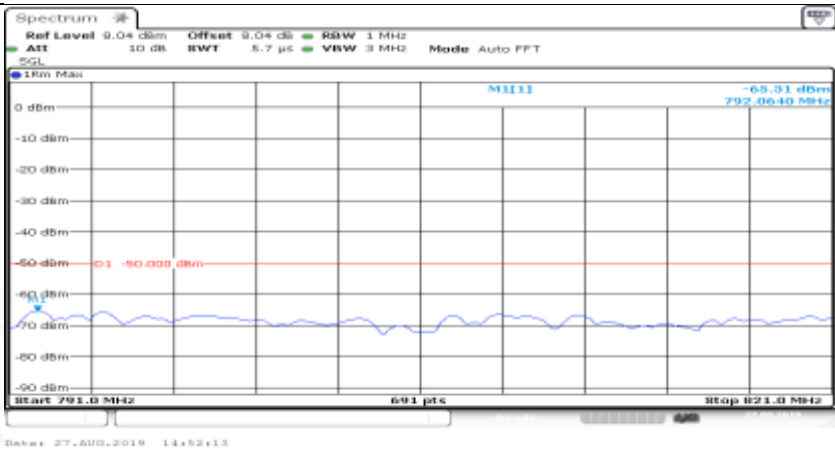
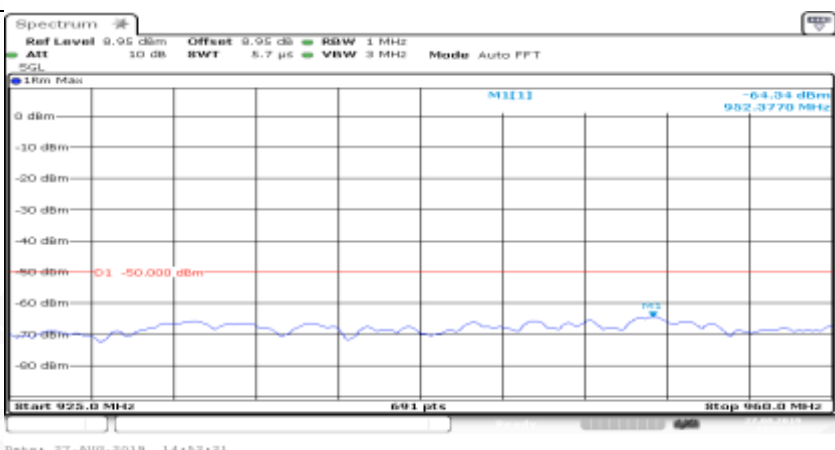



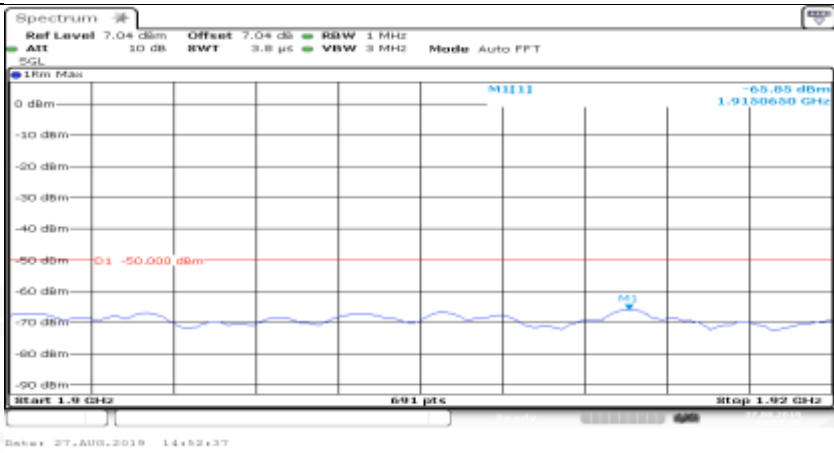
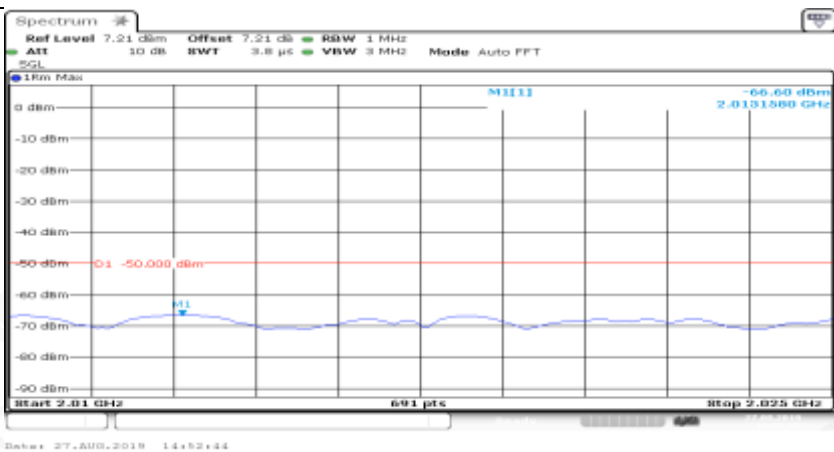
Co-existence	
Additional	NA

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


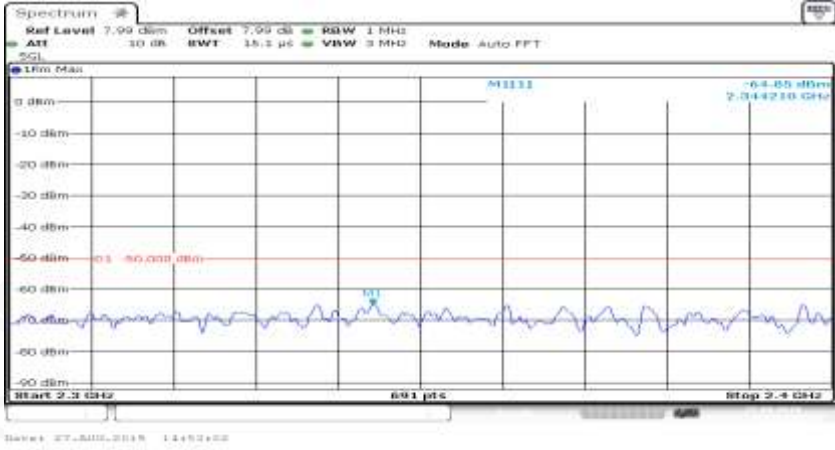
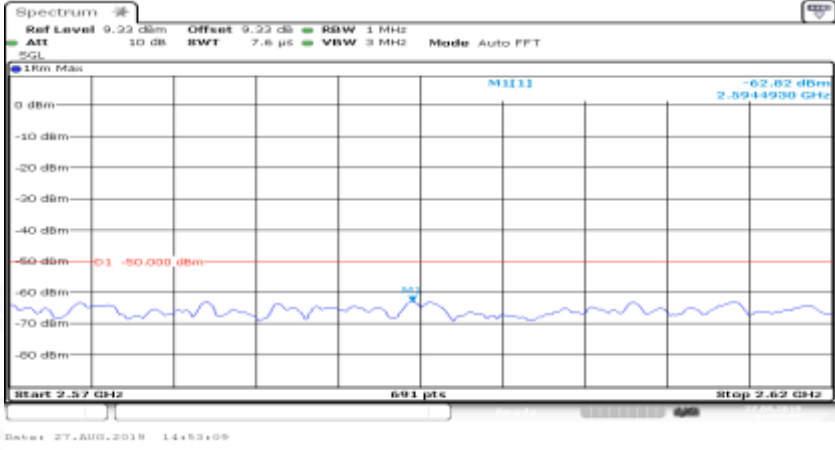
General	
General	
General	

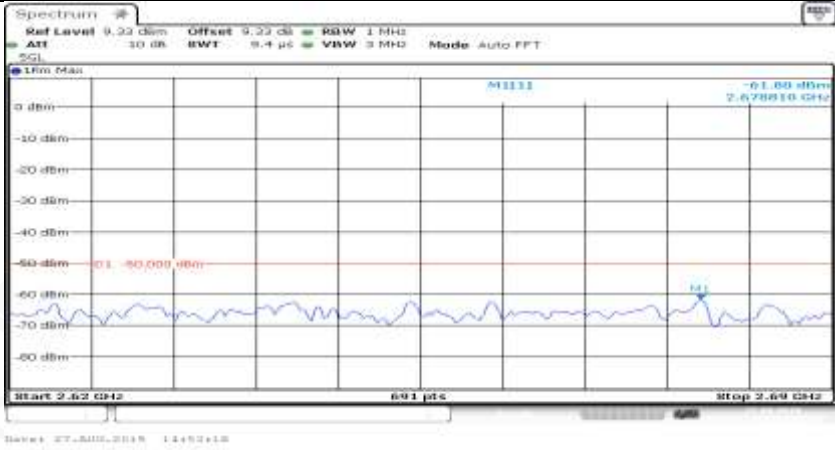
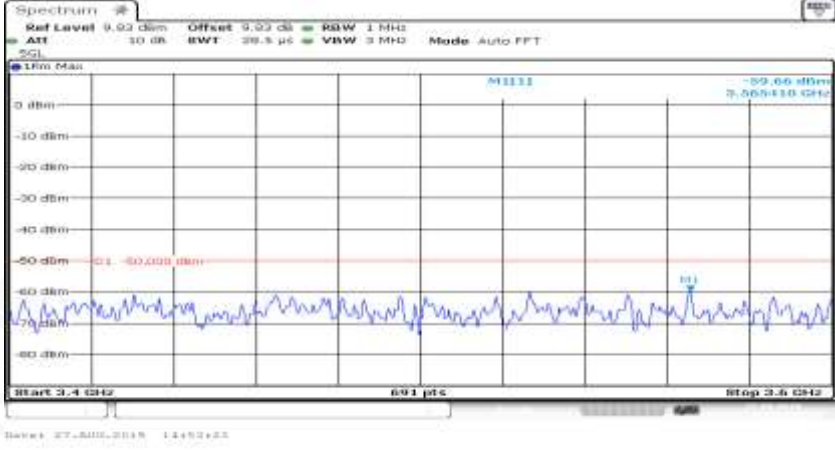



General	
Co-existence	
Co-existence	

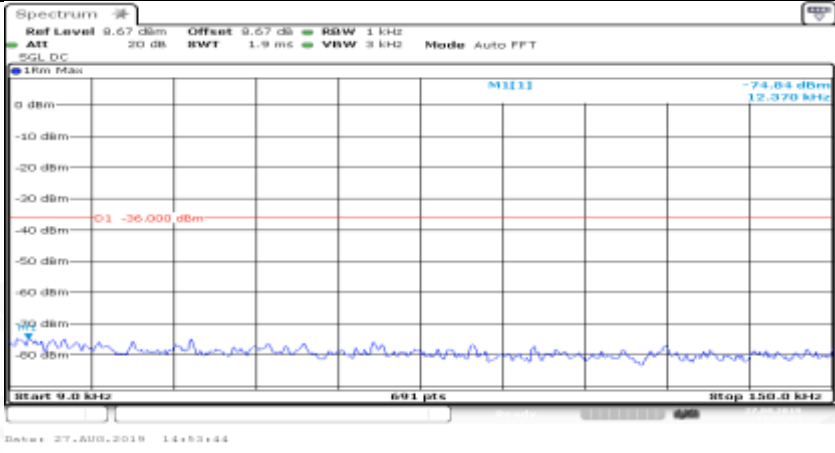
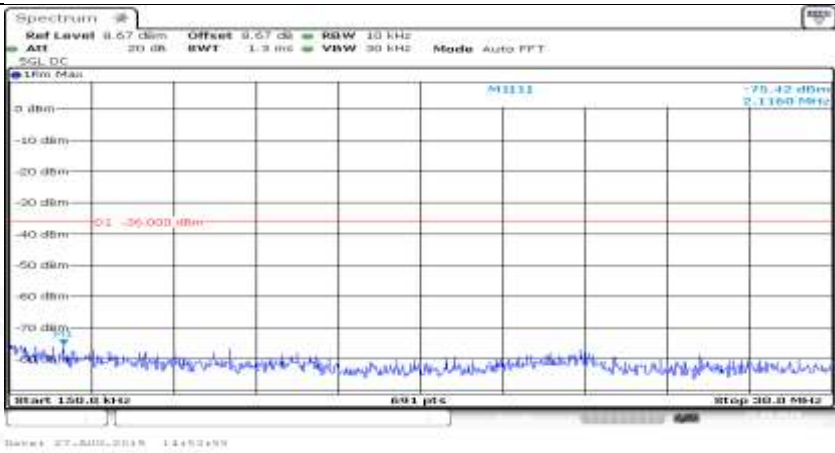

Co-existence	
Co-existence	
Co-existence	

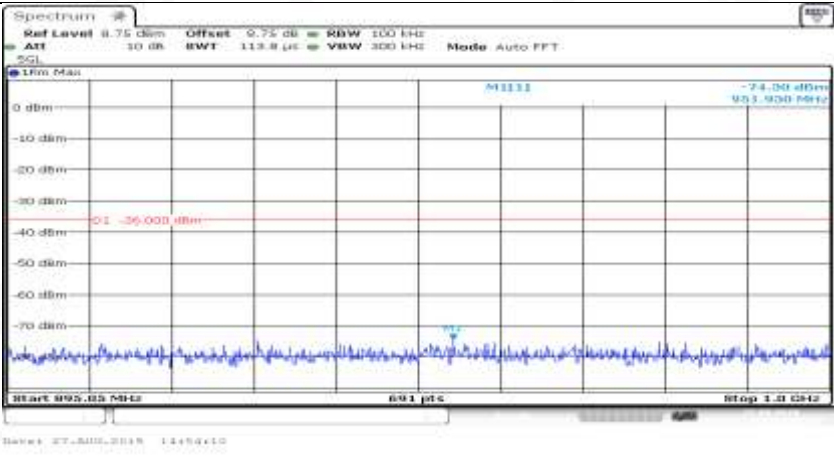
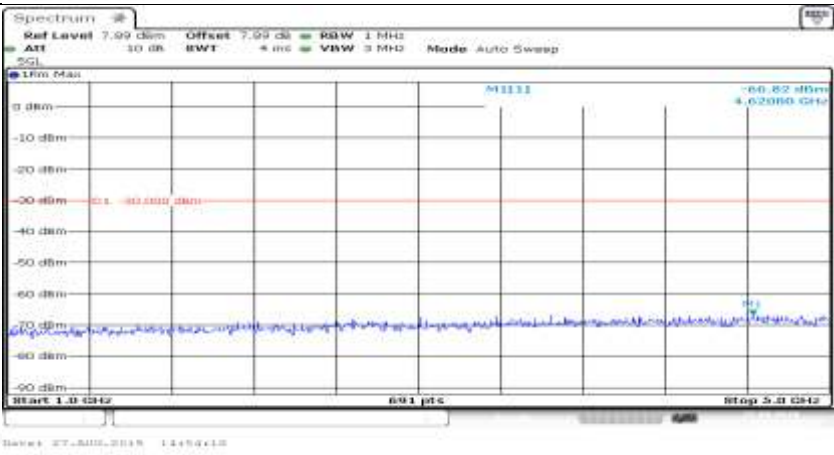
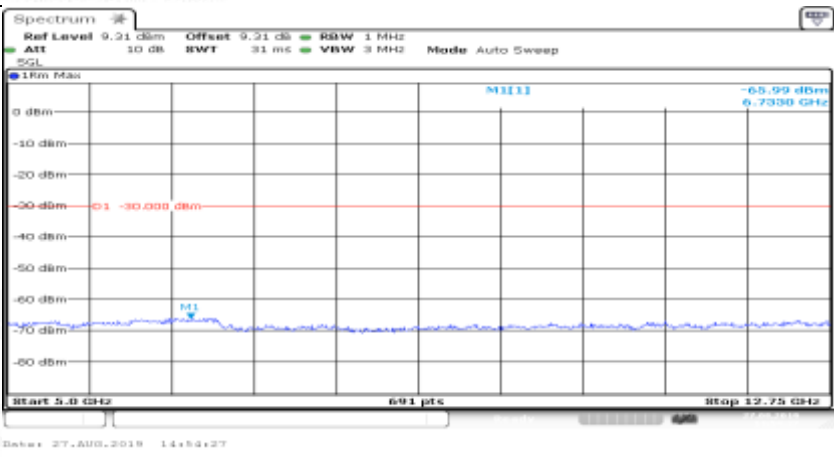


Co-existence	
Co-existence	
Co-existence	

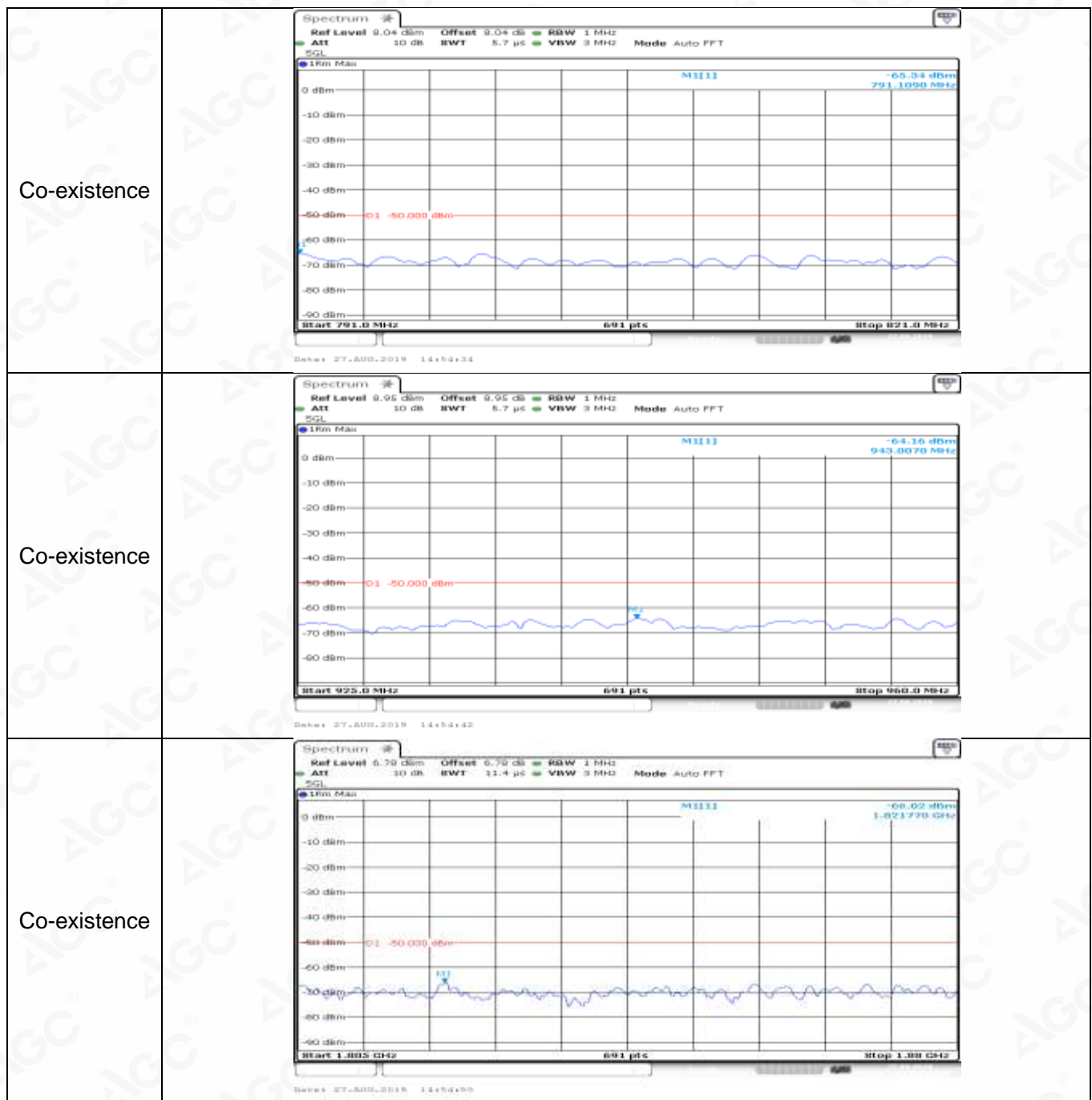
Co-existence	
Co-existence	
Co-existence	
Additional	NA

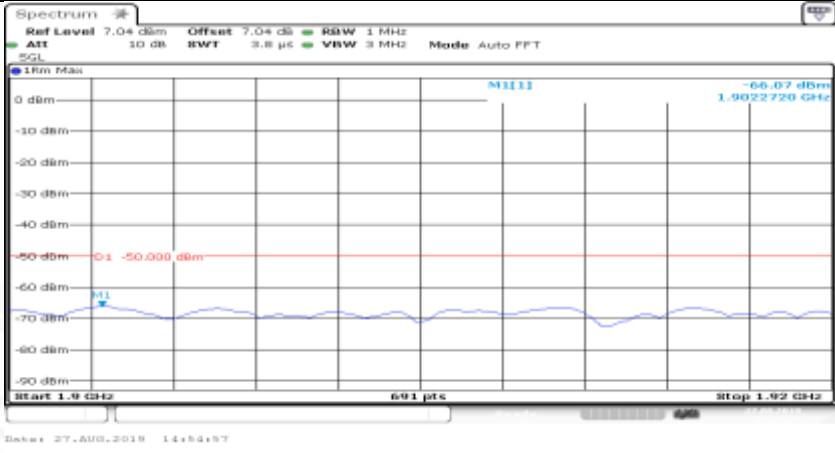
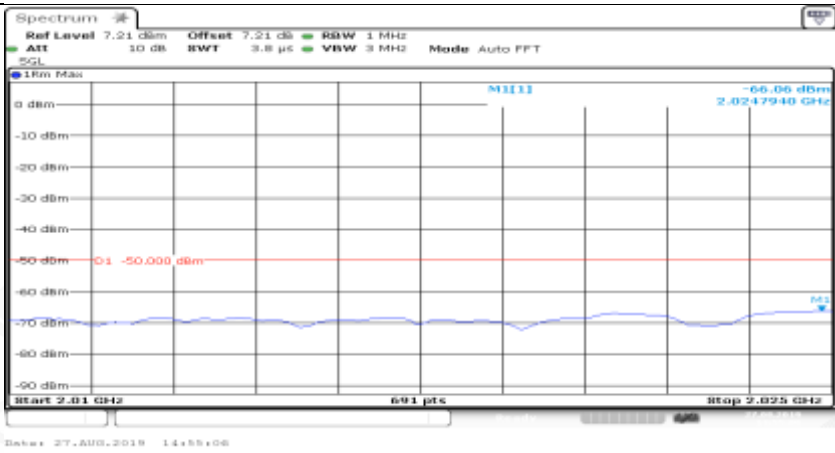
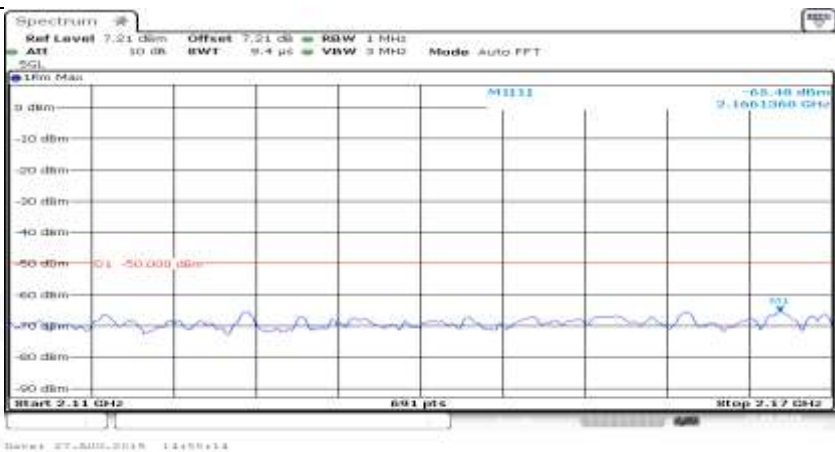
Channel Bandwidth= (5 MHz)_QPSK_LCH_FullRB#0

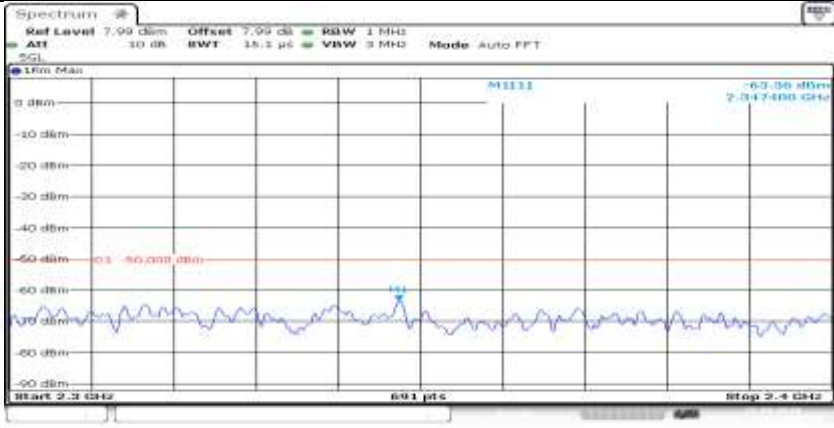


General	
General	
General	

General	
General	
General	

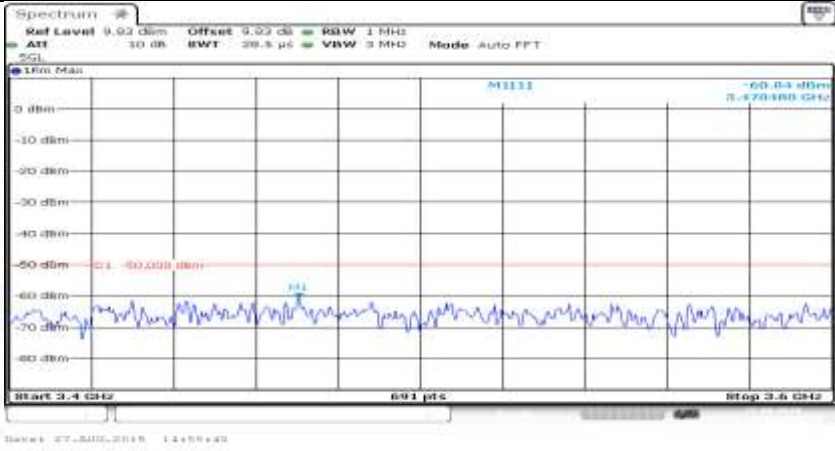
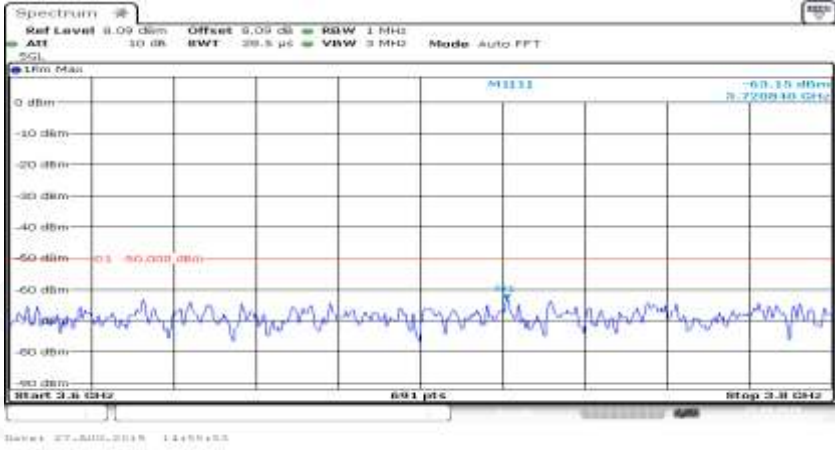


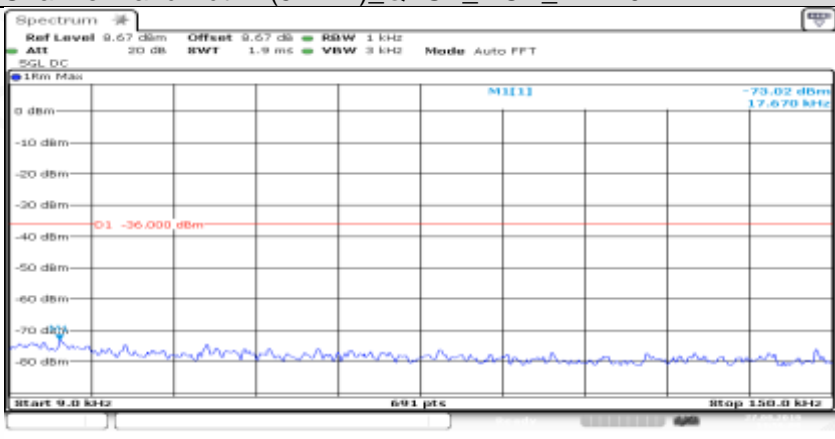


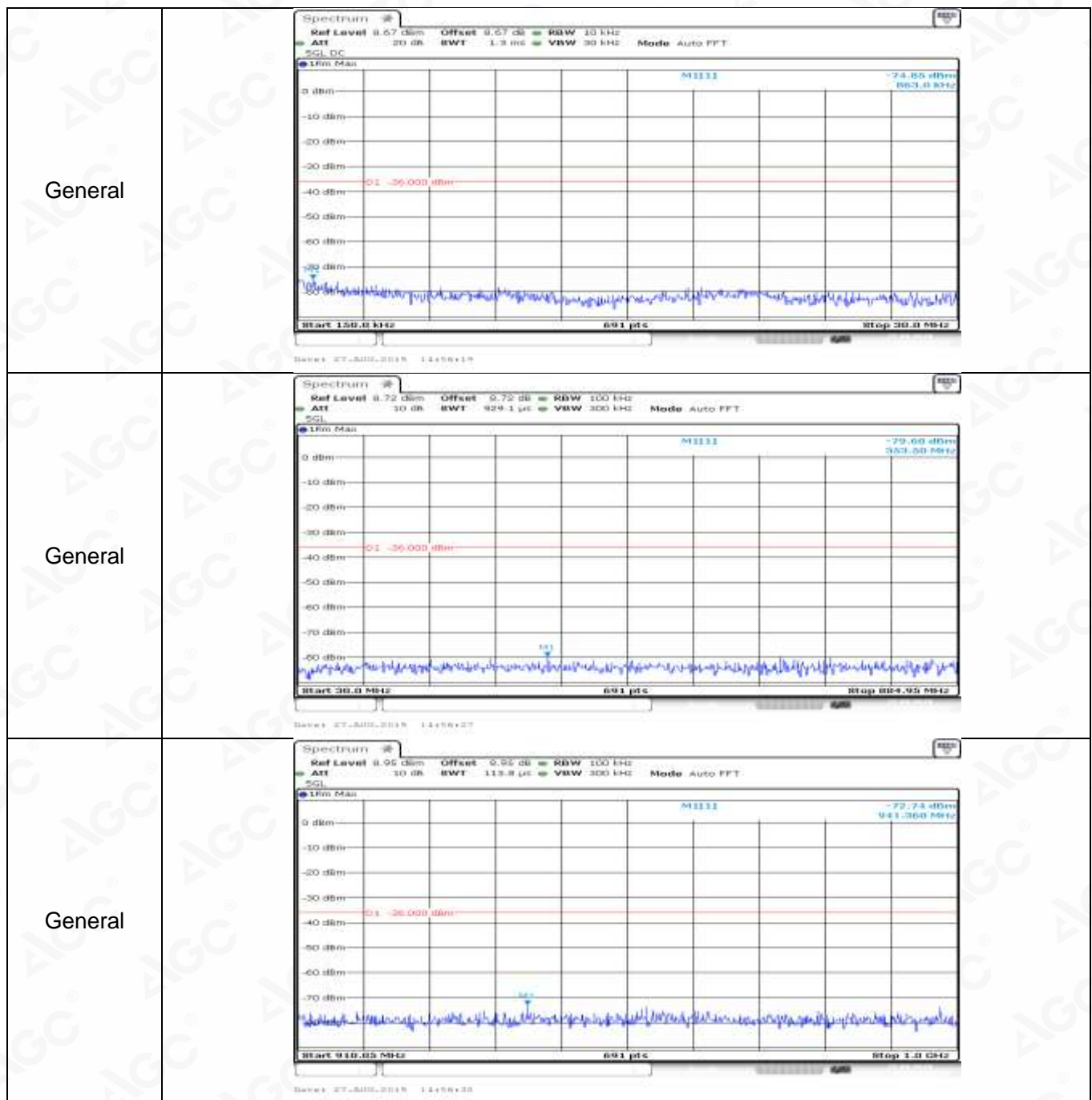
Co-existence	
Co-existence	
Co-existence	

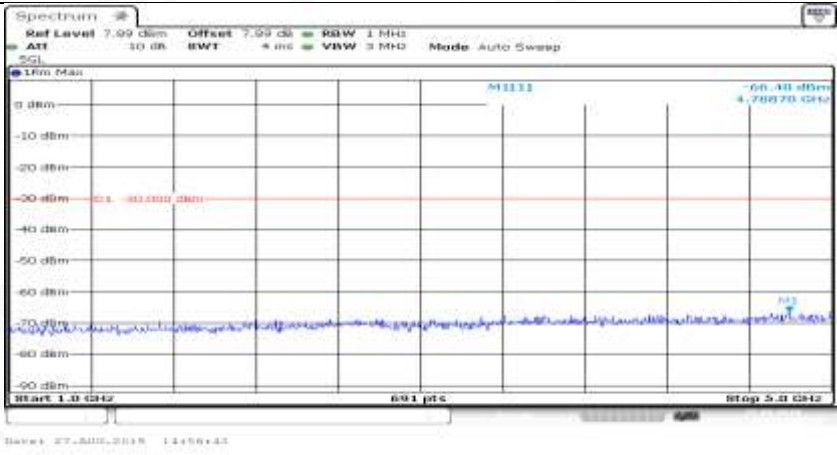
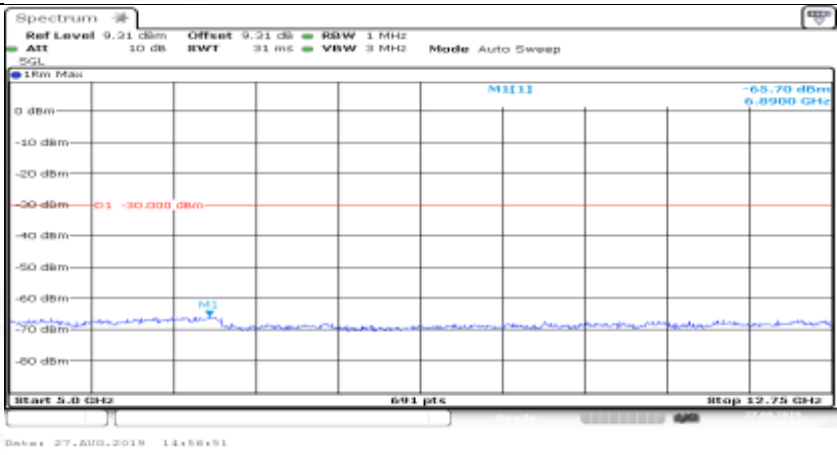
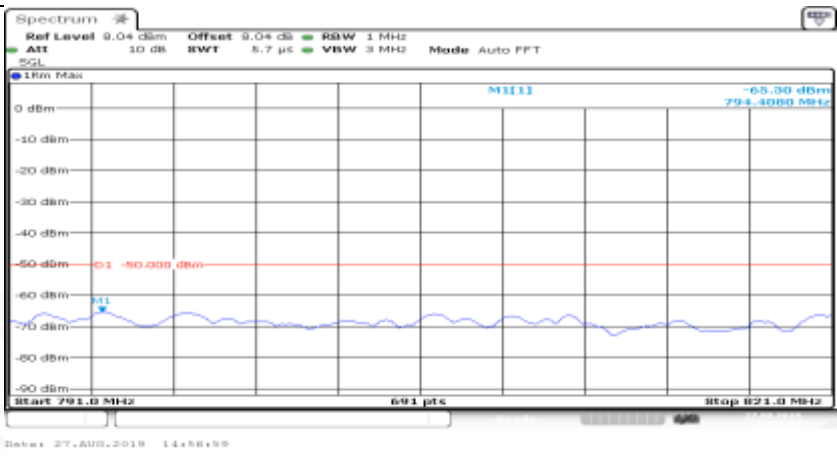
Co-existence	
Co-existence	
Co-existence	

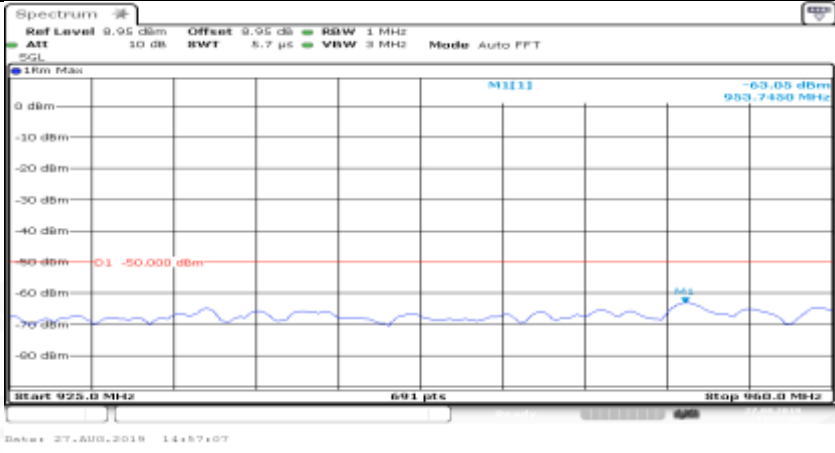
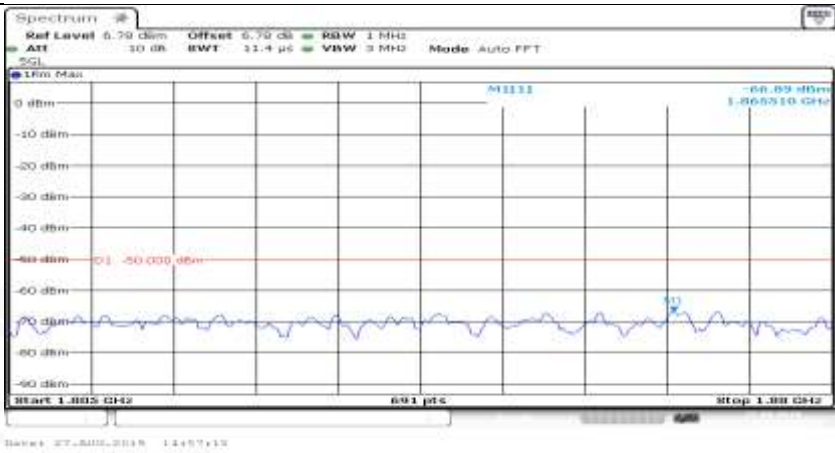
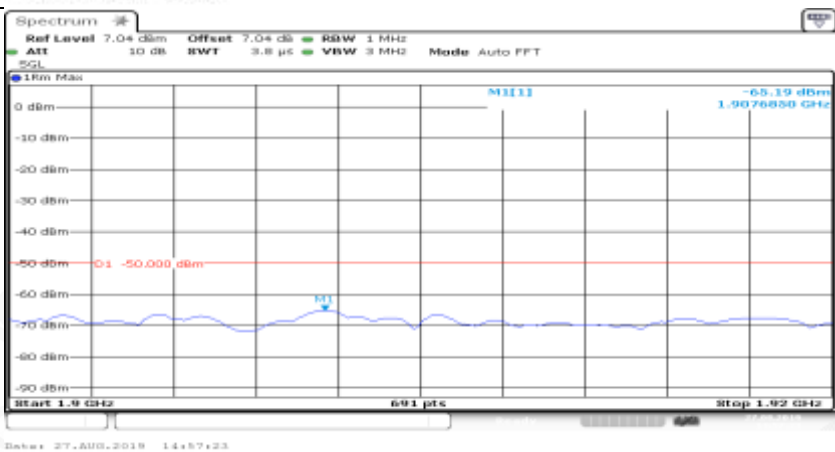


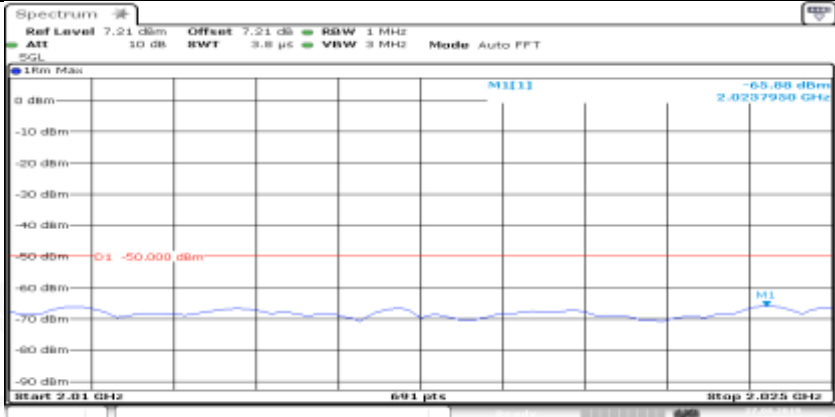

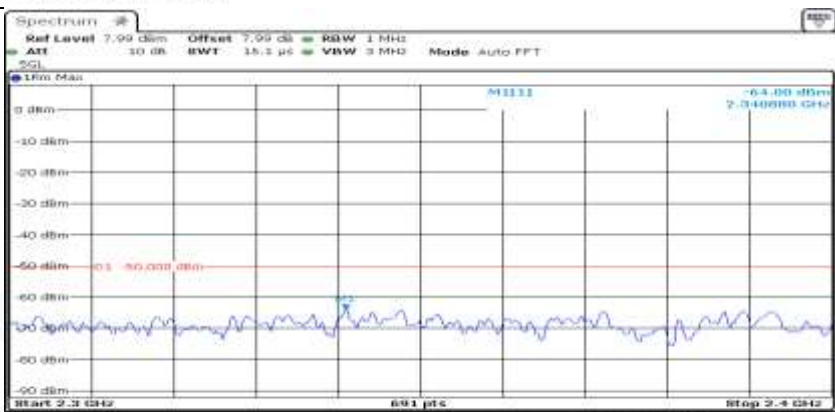
Co-existence	
Co-existence	
Additional	NA

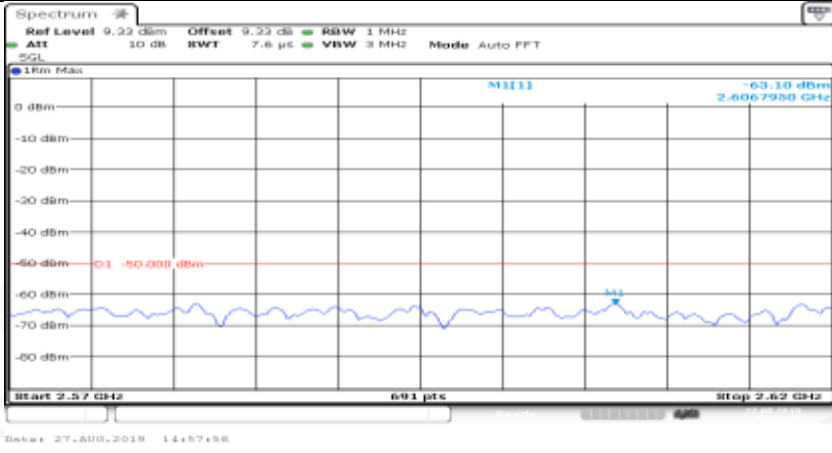
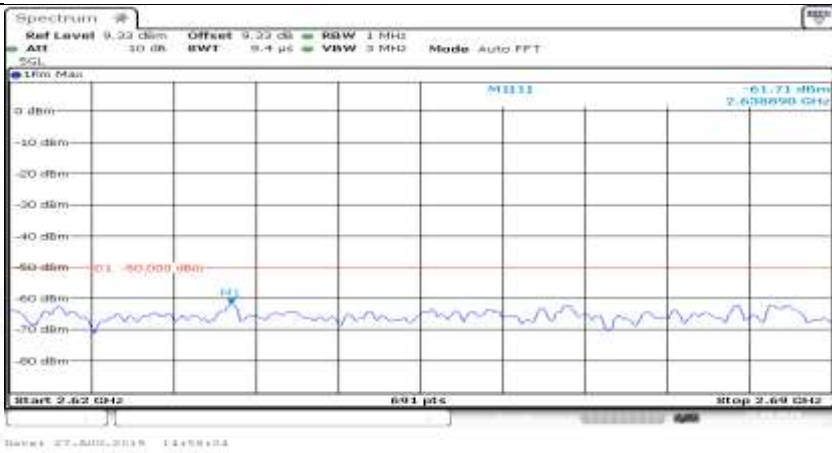
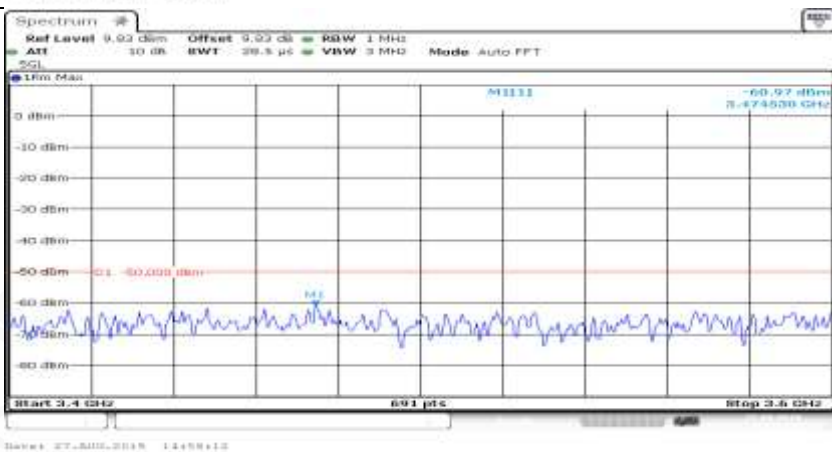
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	



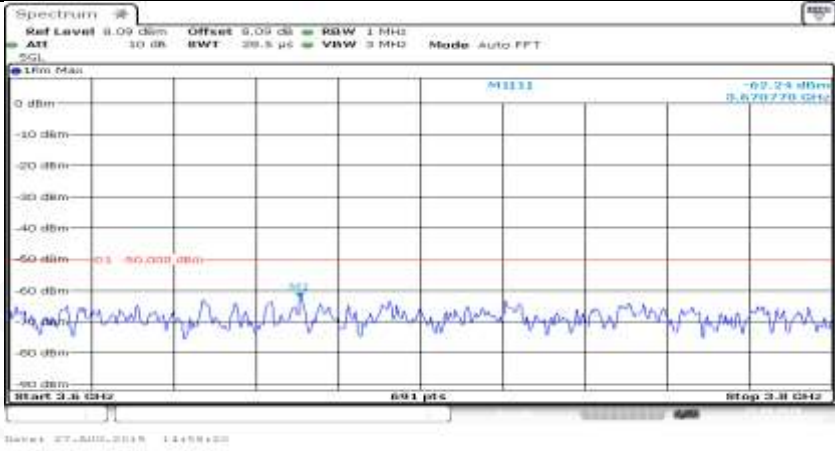
General	
General	
Co-existence	

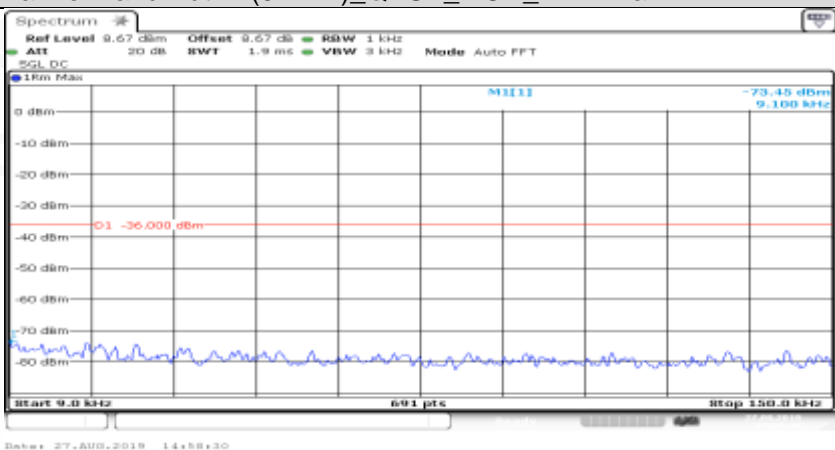
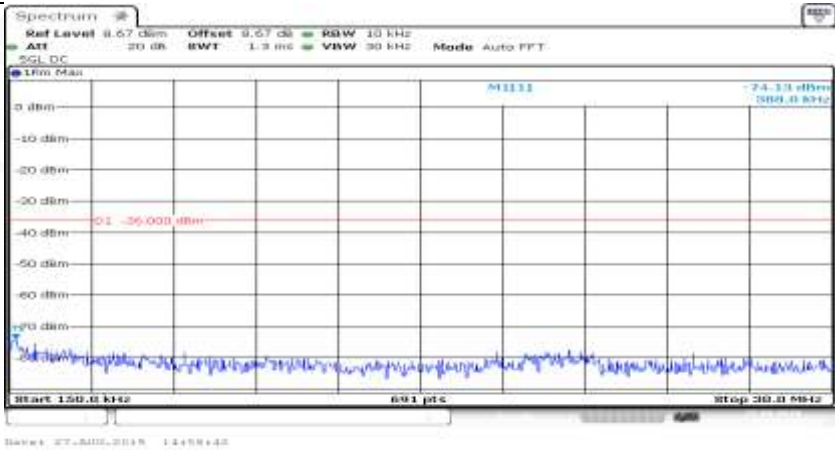
Co-existence	
Co-existence	
Co-existence	

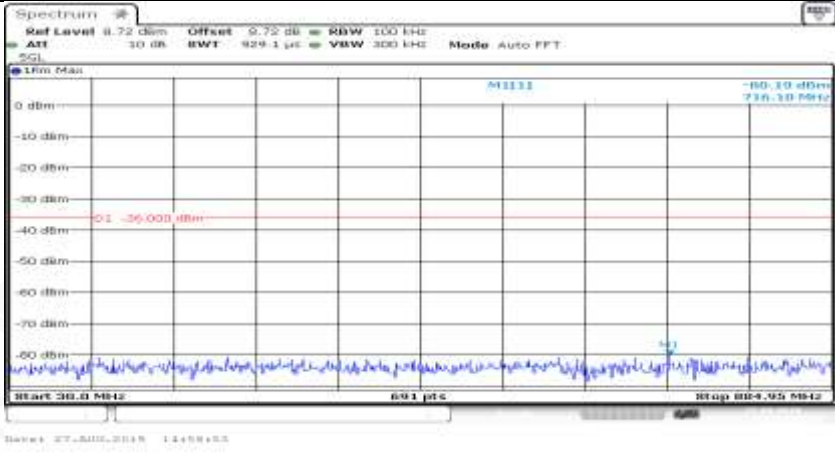
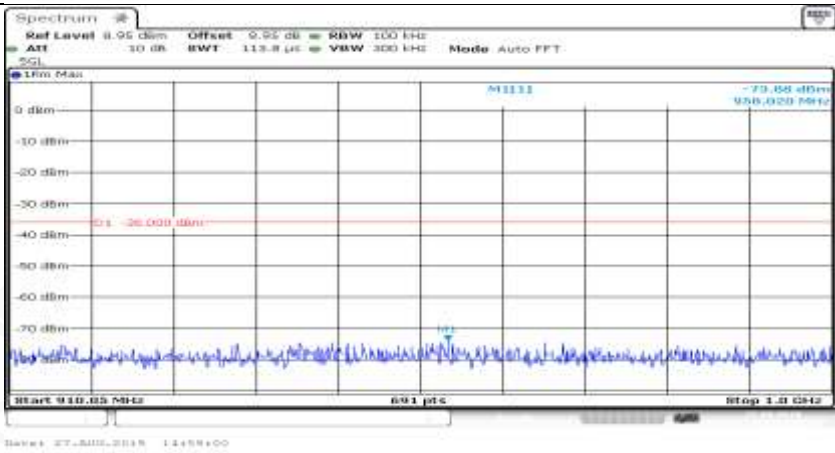
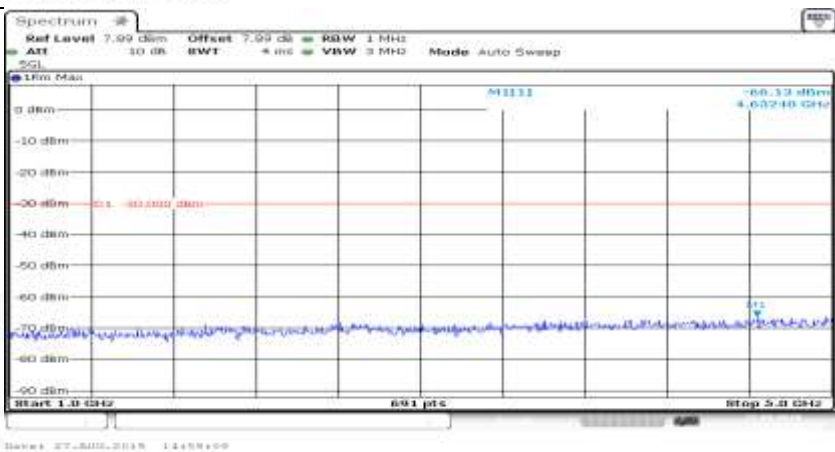
Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>691 pts</p> <p>27.AUG.2018 14:57:32</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.12 GHz</p> <p>691 pts</p> <p>27.AUG.2018 14:57:40</p>
Co-existence	 <p>Start 2.3 GHz Stop 2.4 GHz</p> <p>691 pts</p> <p>27.AUG.2018 14:57:48</p>

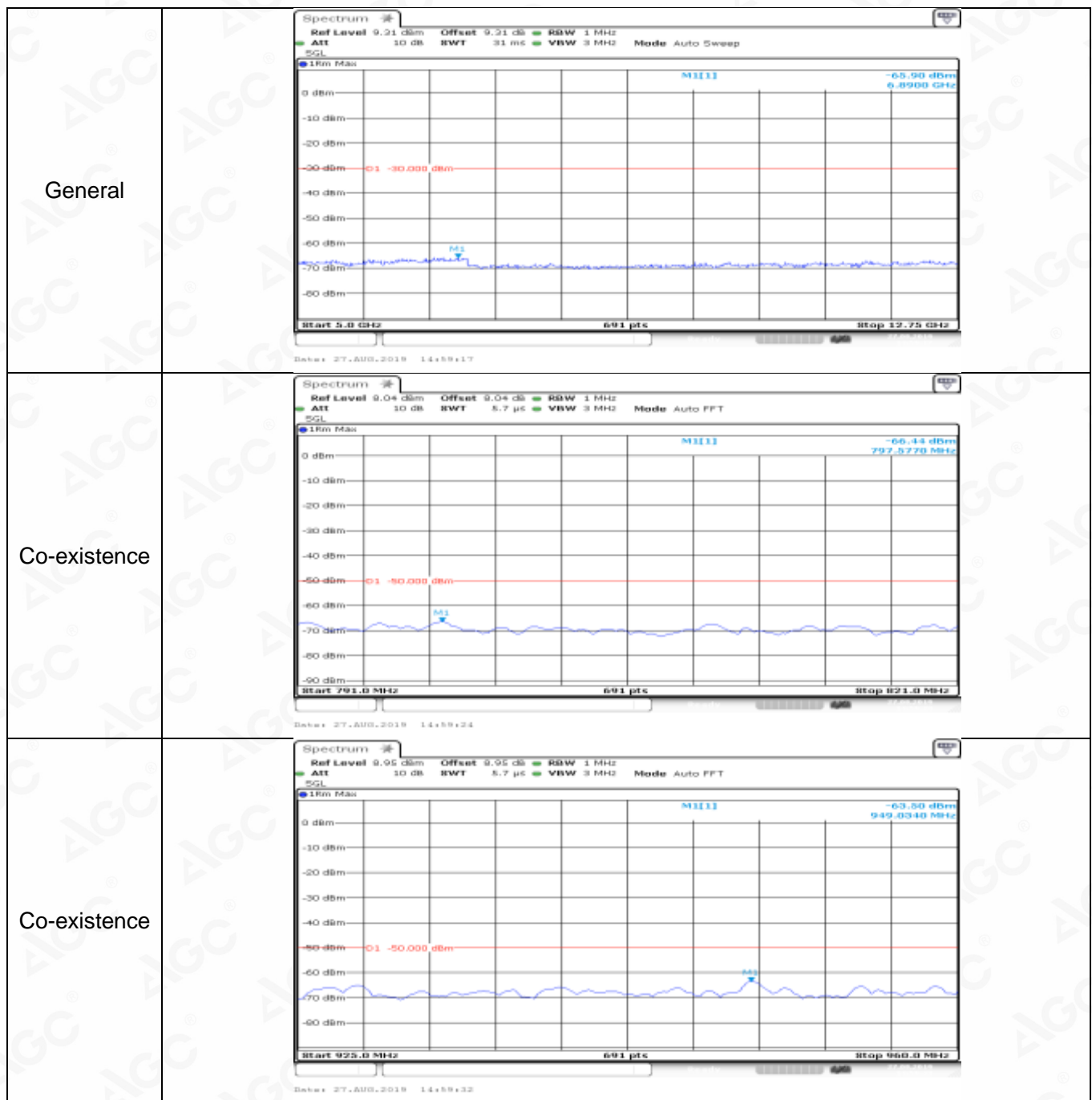
Co-existence	
Co-existence	
Co-existence	

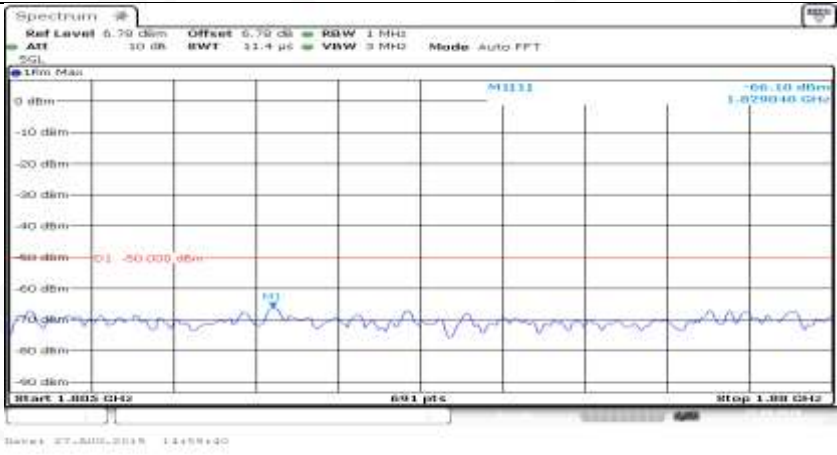
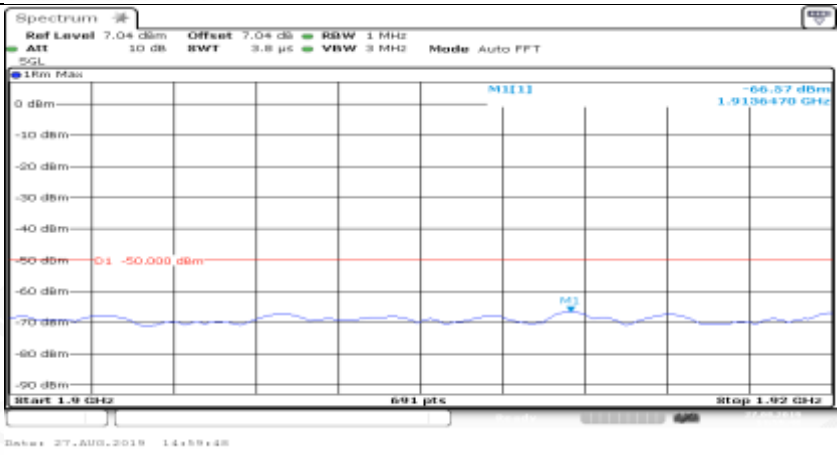
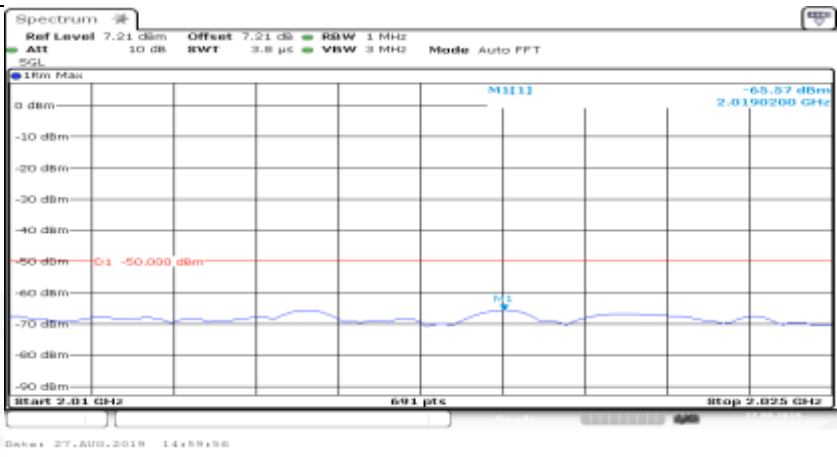



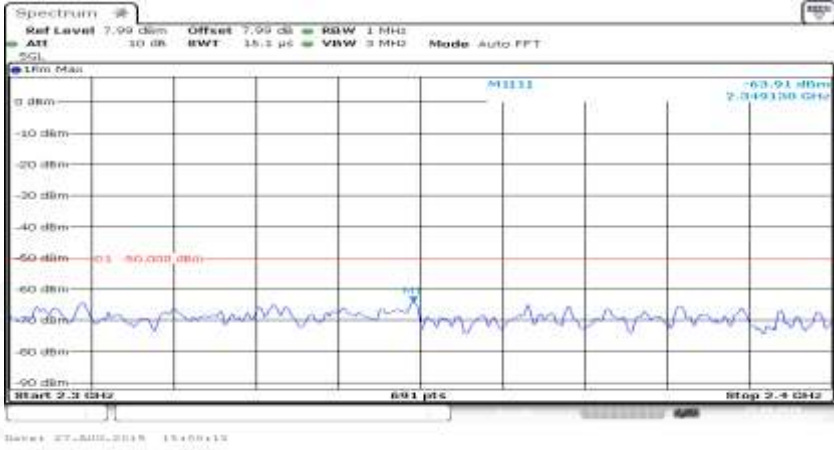
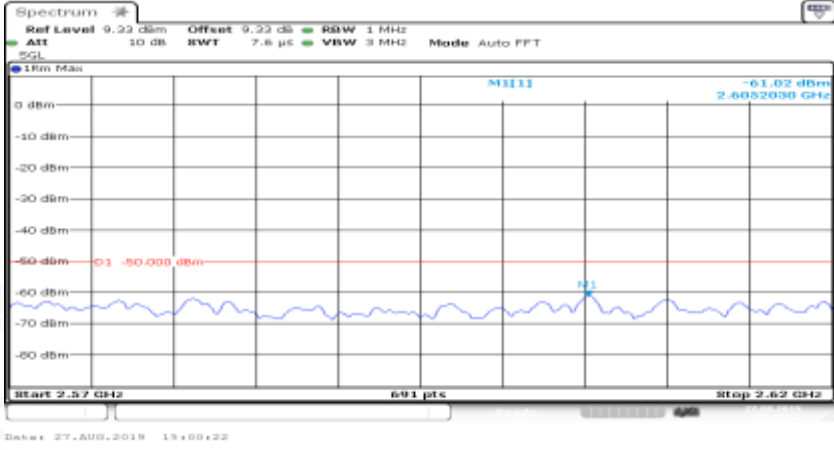
Co-existence	
Additional	NA

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


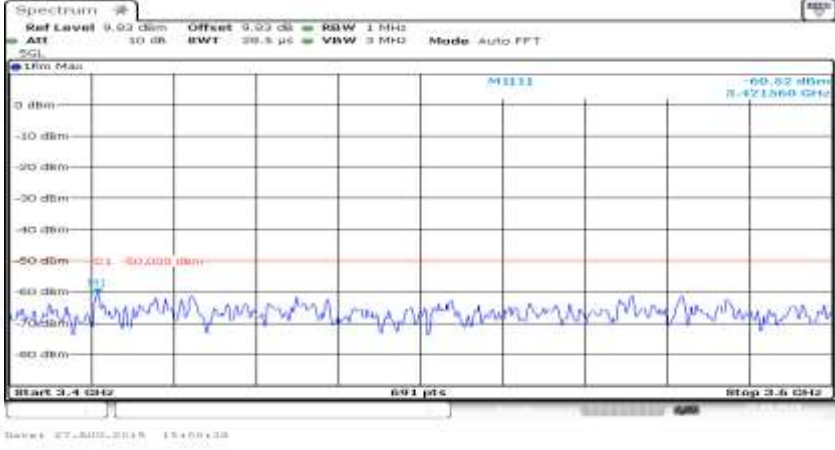

General	
General	
General	



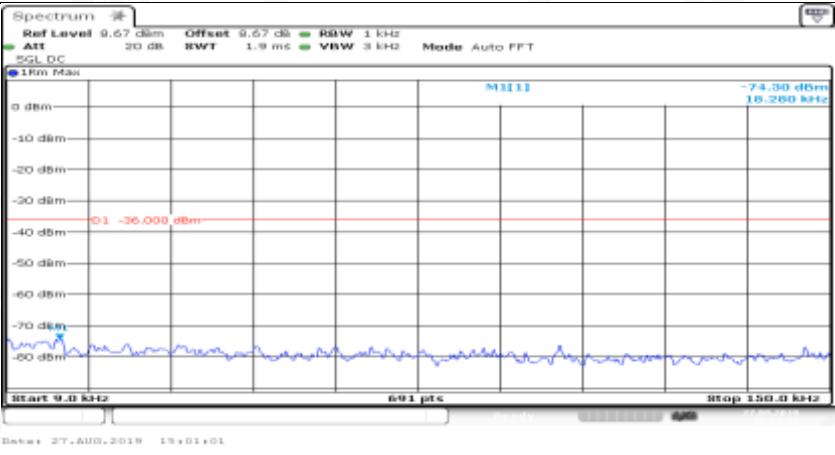
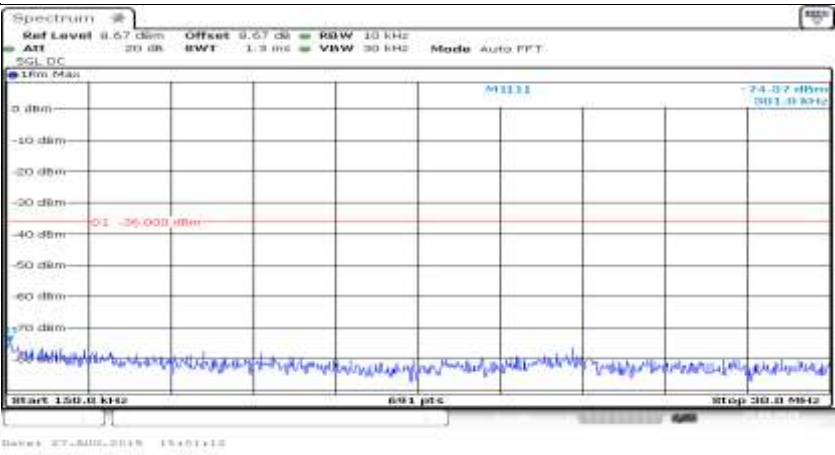

Co-existence	
Co-existence	
Co-existence	

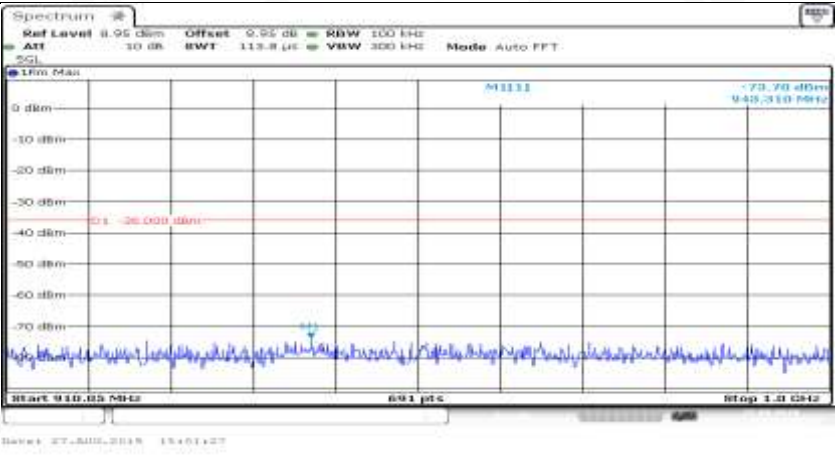
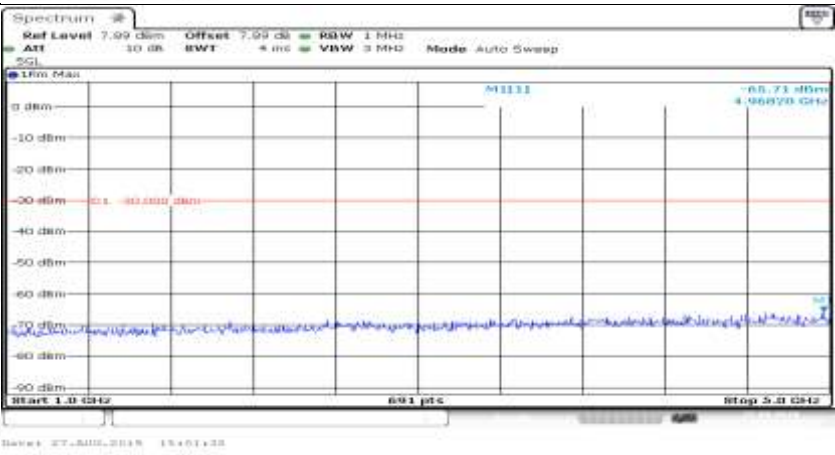
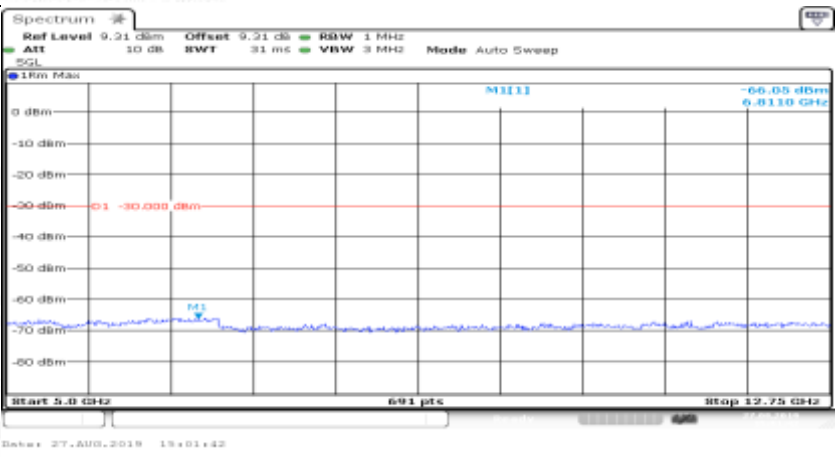
Co-existence	
Co-existence	
Co-existence	

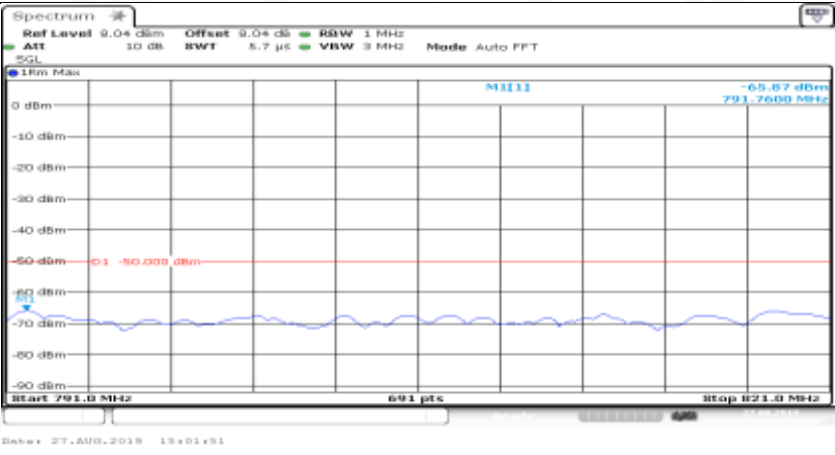
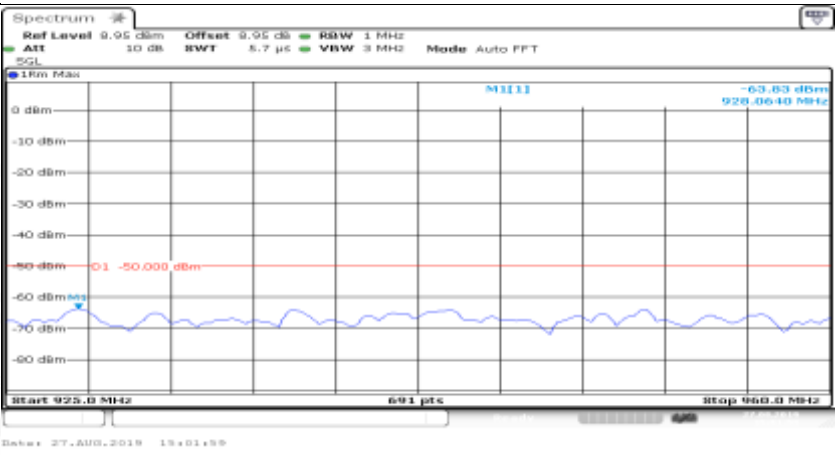



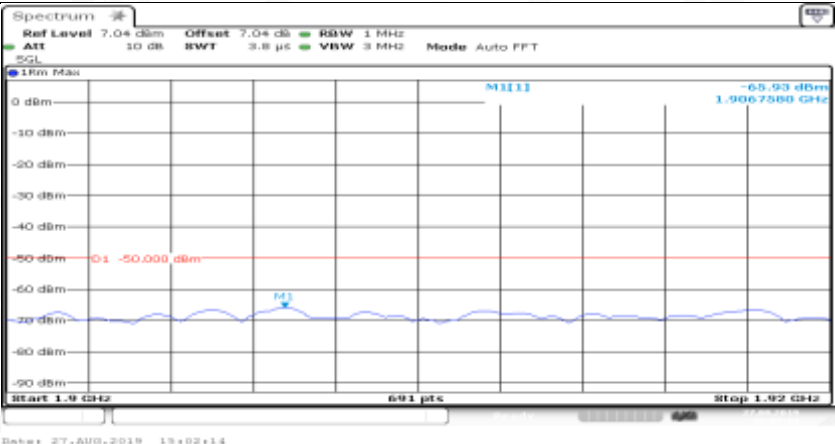
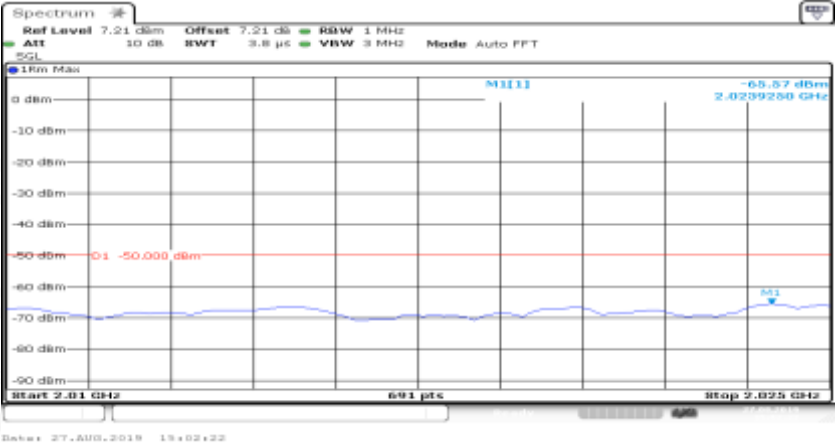
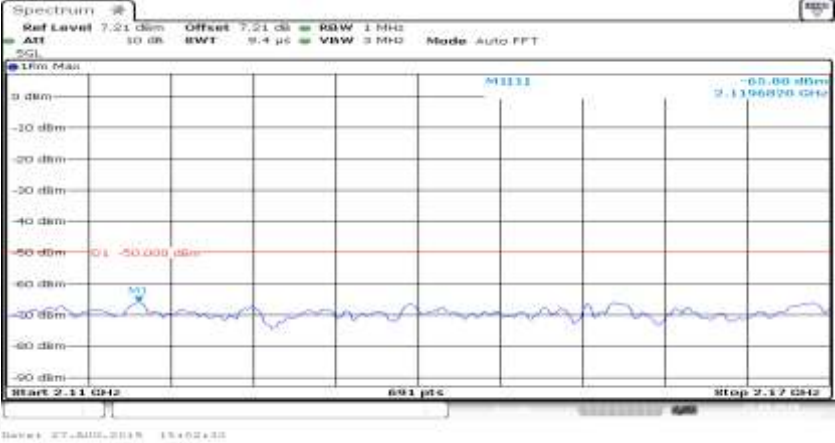
Co-existence	
Co-existence	
Co-existence	
Additional	NA

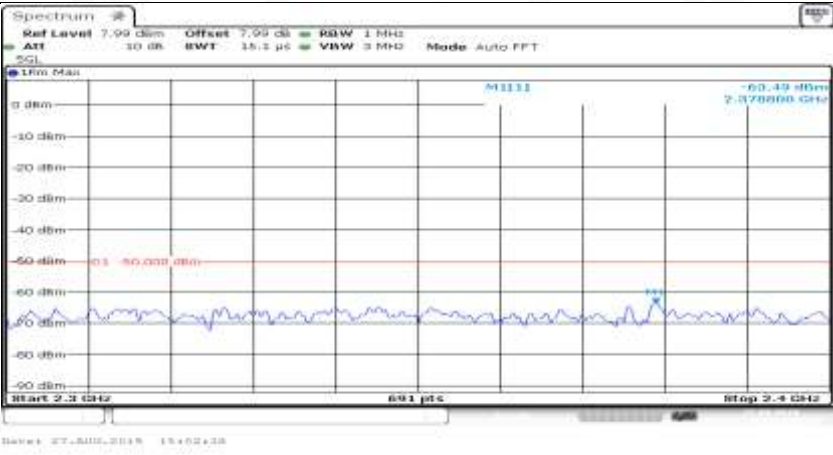
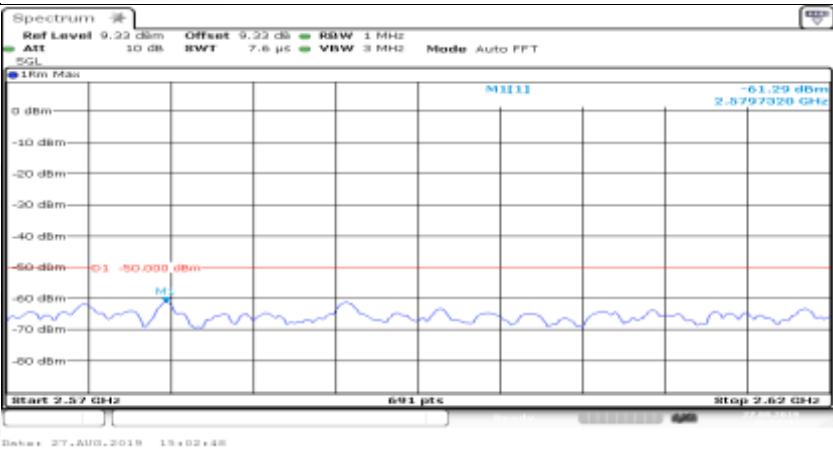

Channel Bandwidth= (5 MHz)_QPSK_MCH_FullRB#0

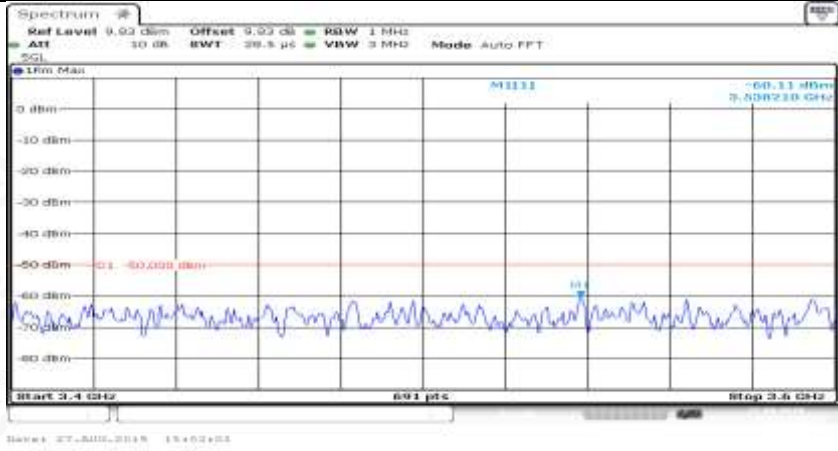
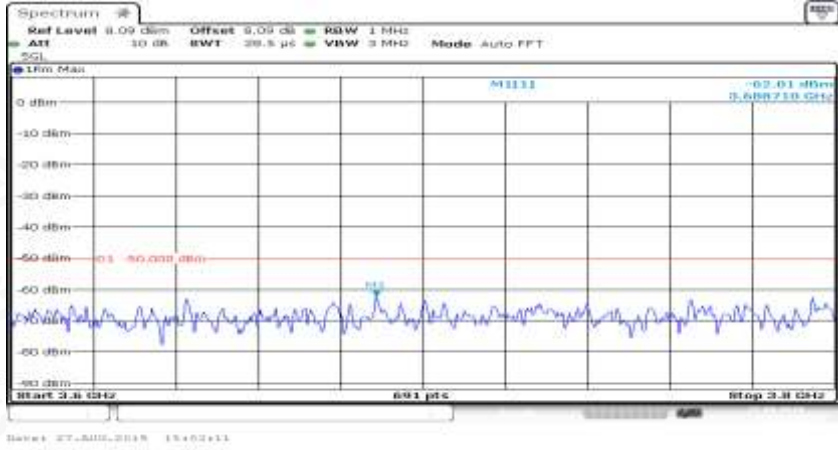
General	
General	
General	

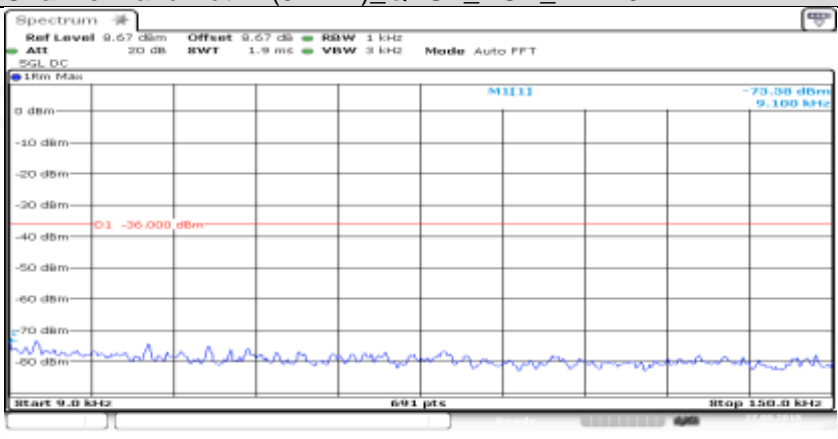
General	
General	
General	

Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

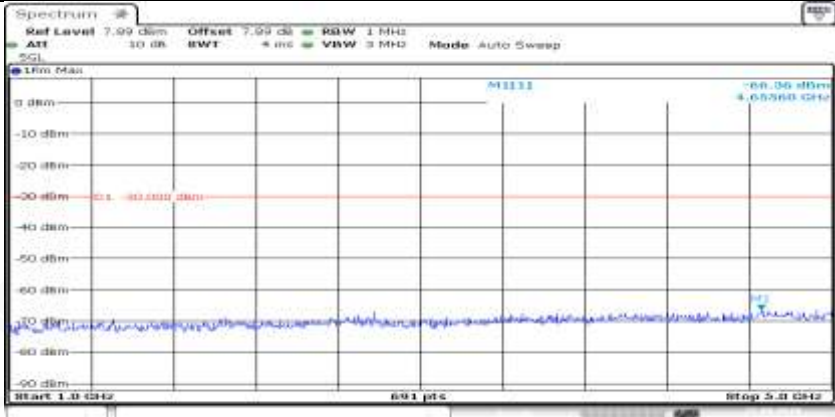
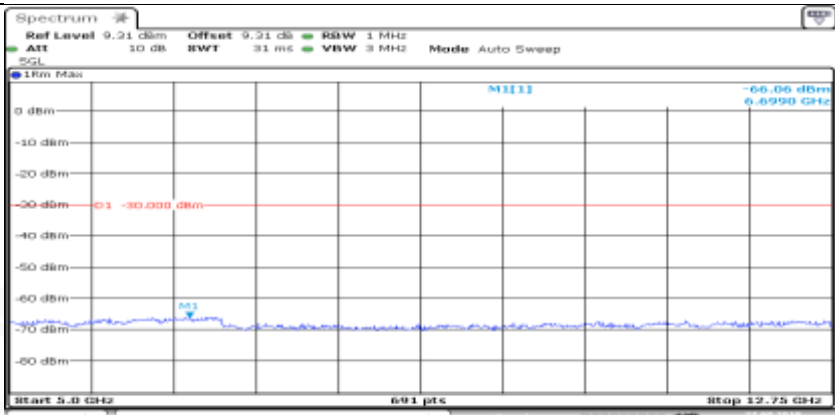

Co-existence	
Co-existence	
Co-existence	

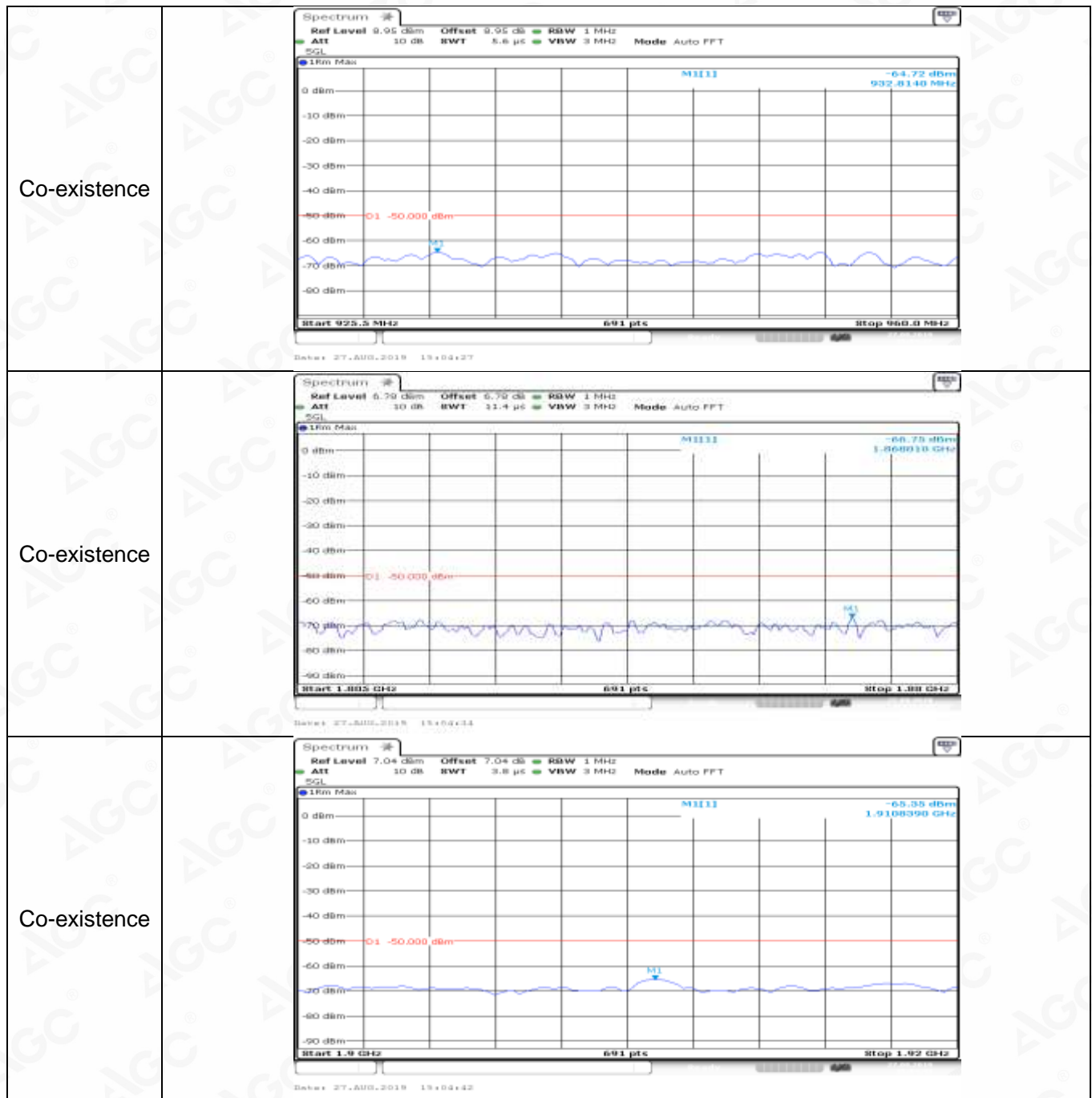
Co-existence	
Co-existence	
Additional	NA

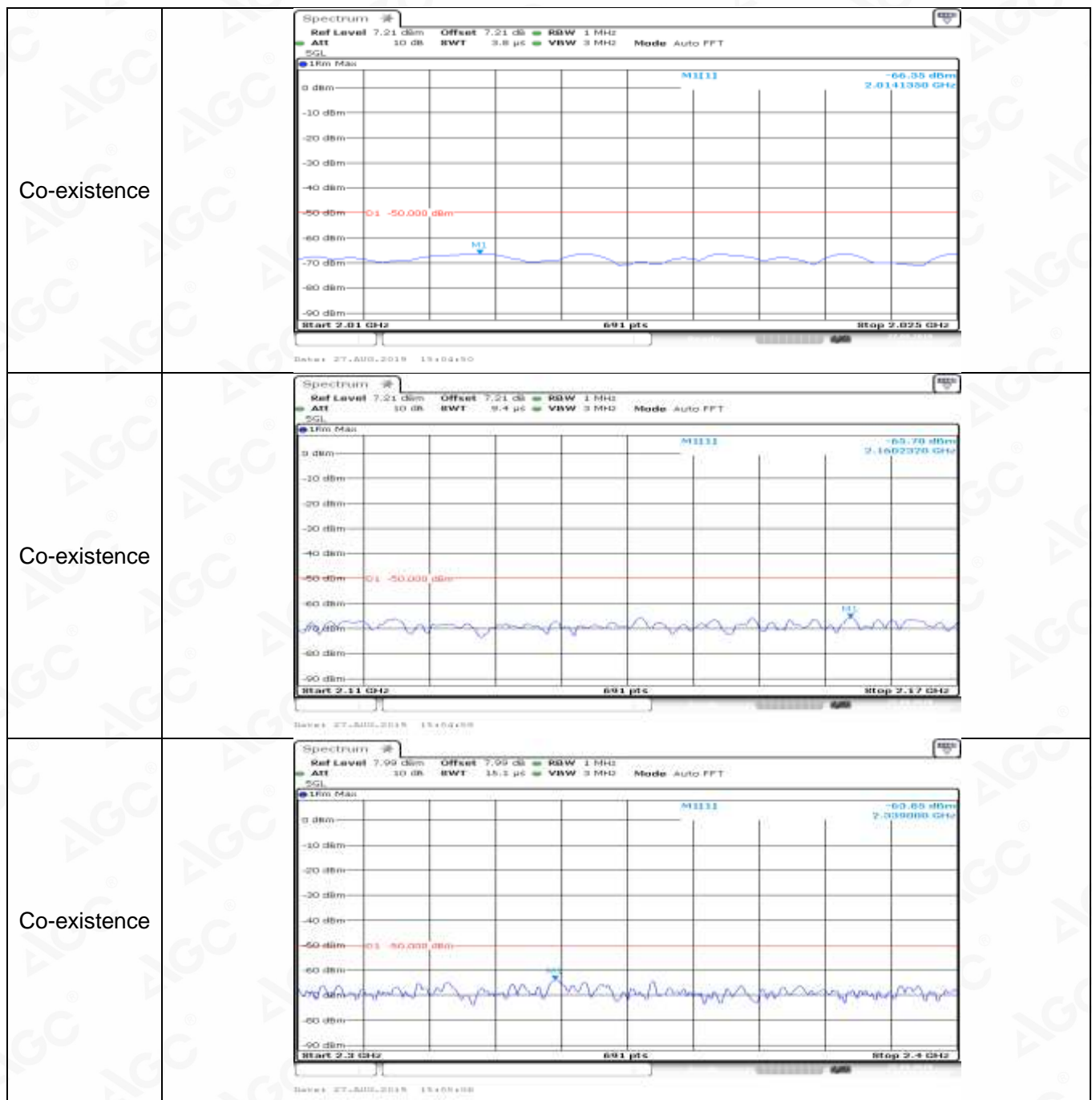
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	

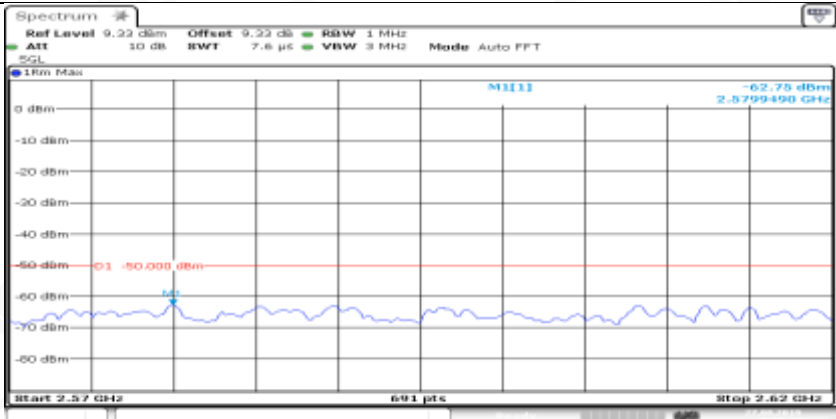
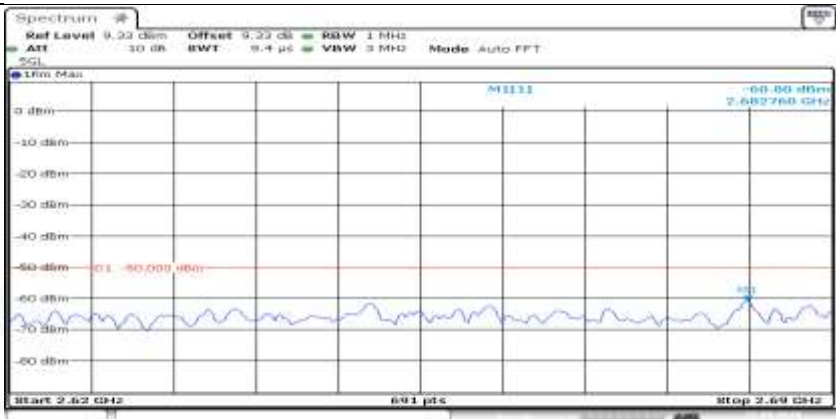
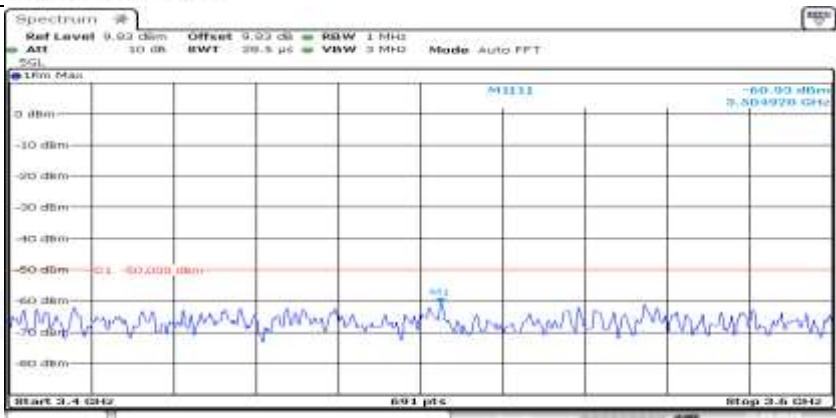
General	
General	
General	



General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>4.65560 GHz -66.36 dBm</p> <p>Start 1.0 GHz Stop 5.0 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2019 15:04:22</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>6.6998 GHz -66.06 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2019 15:04:13</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>819.8068 MHz -66.32 dBm</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>691 pts</p> <p>Date: 27.AUG.2019 15:04:20</p>

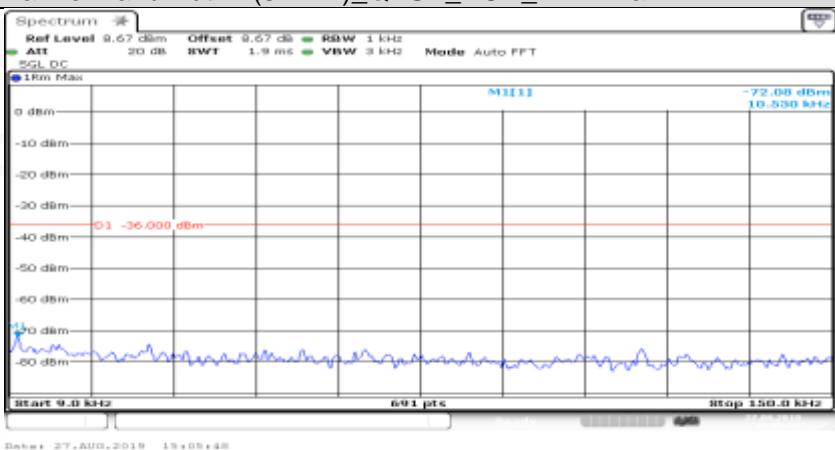
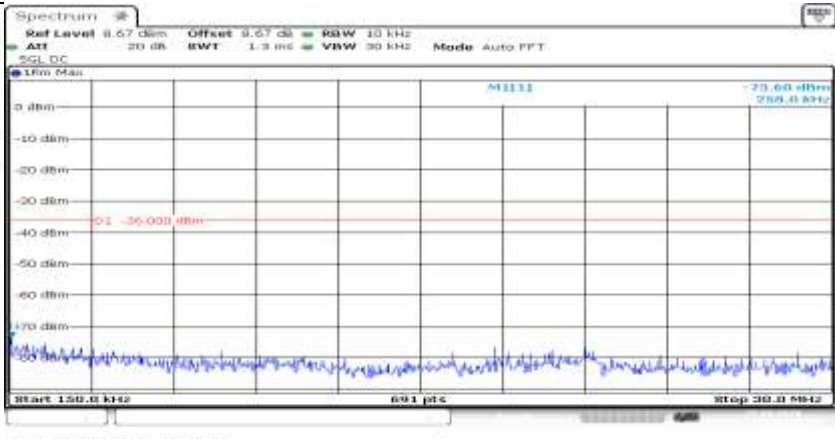


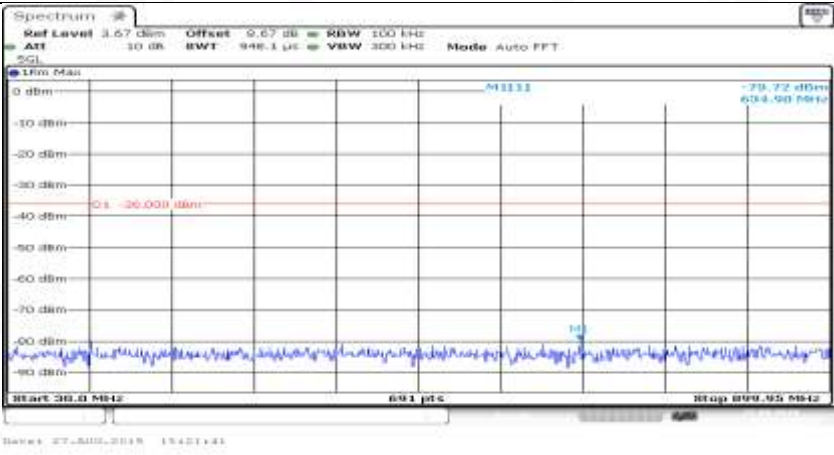

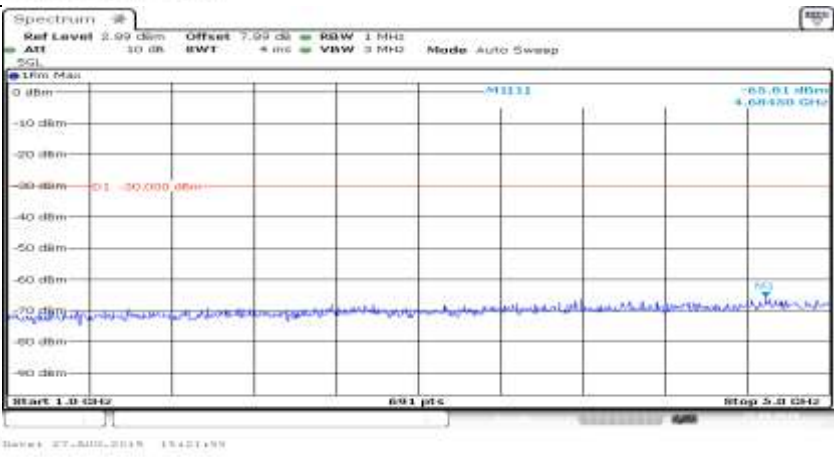


Co-existence	
Co-existence	
Co-existence	

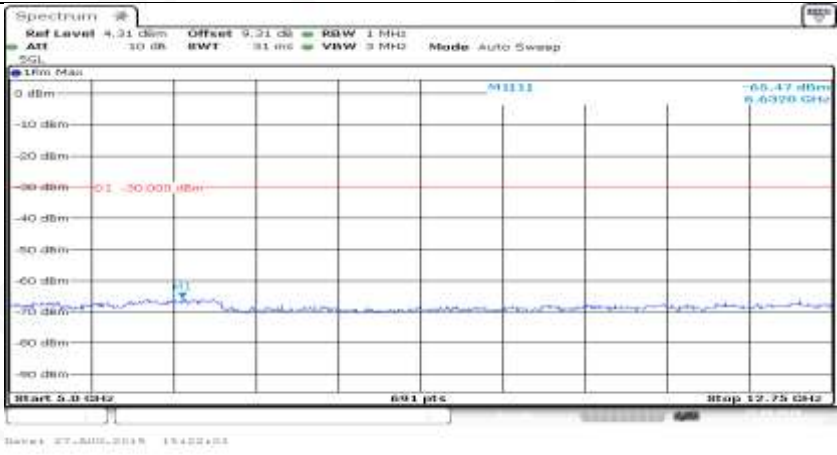
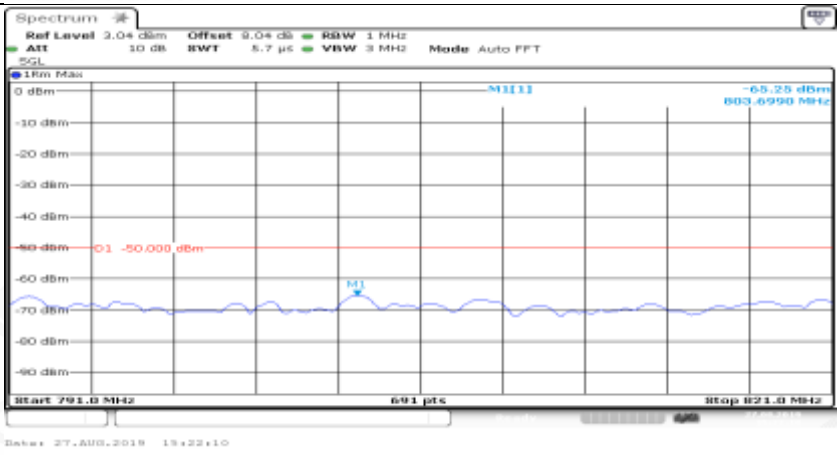
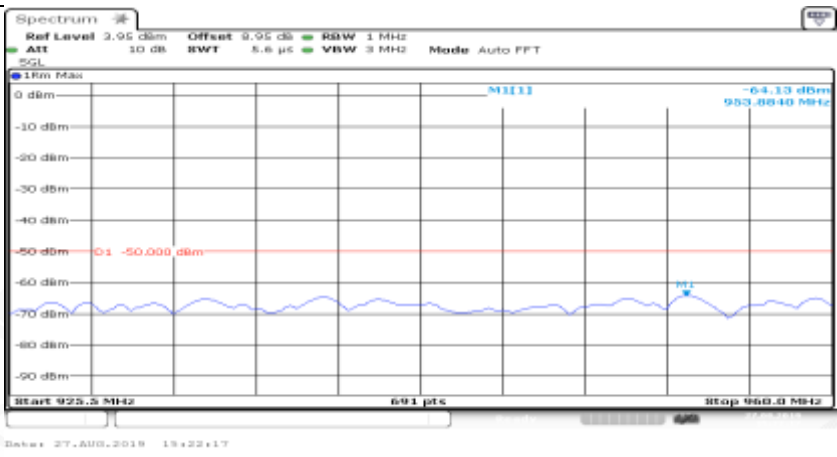


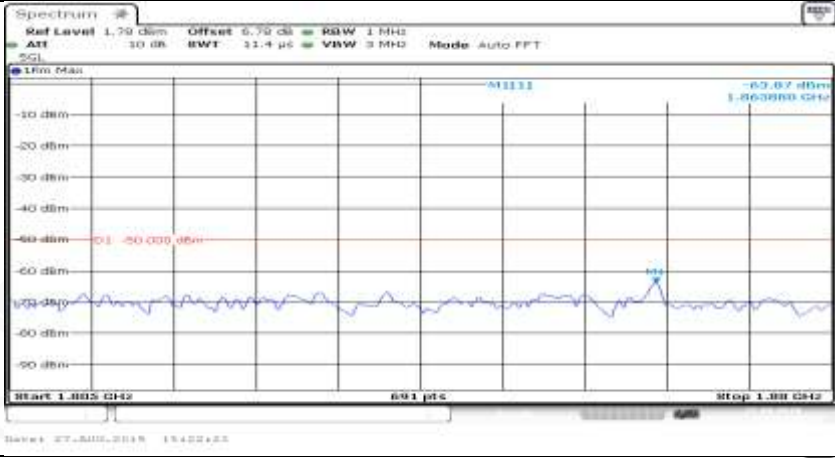
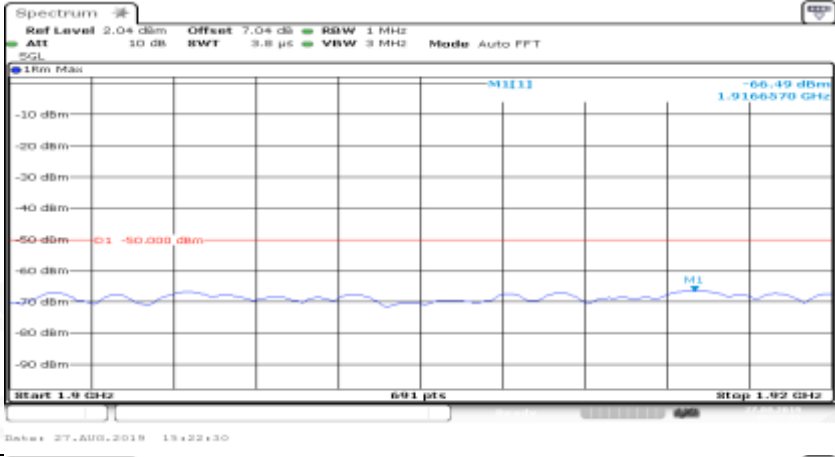
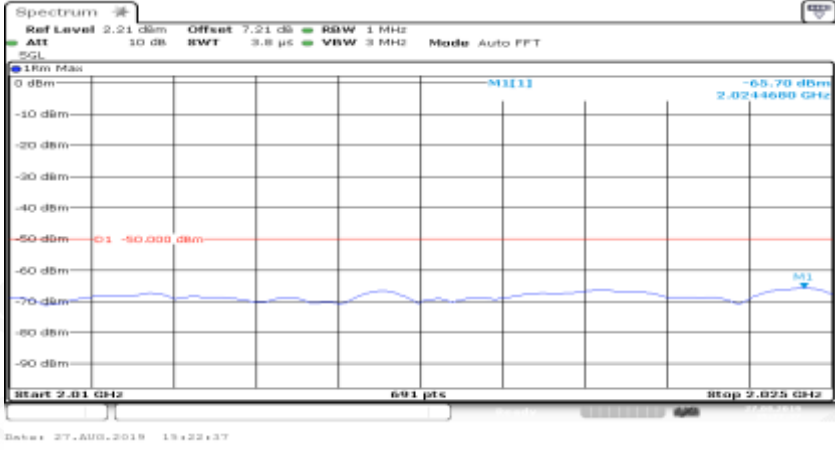
Co-existence	
Additional	NA

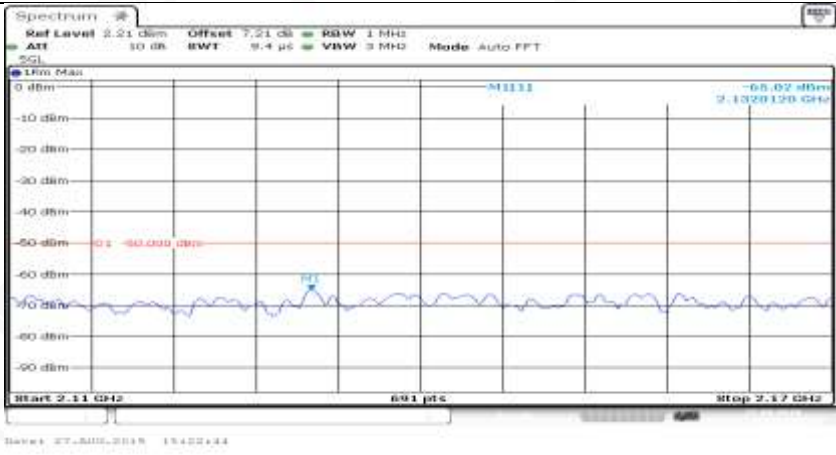
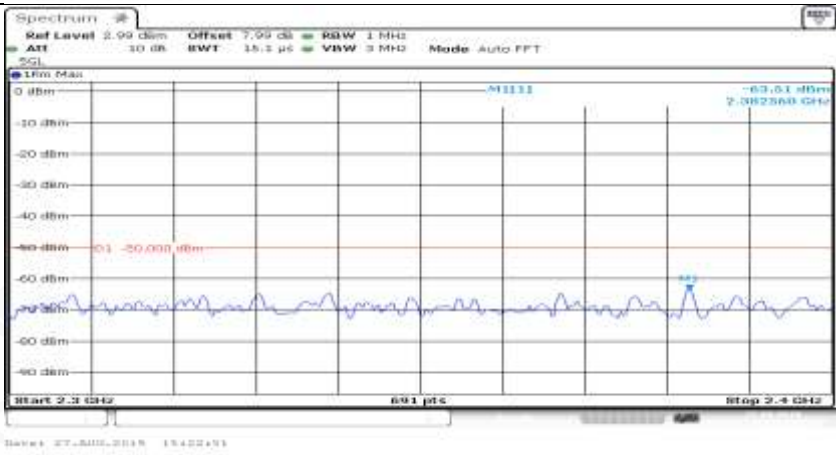

Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	

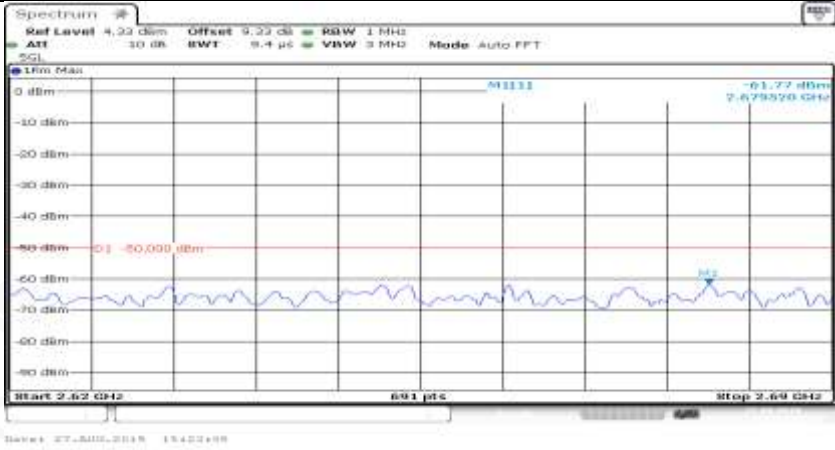
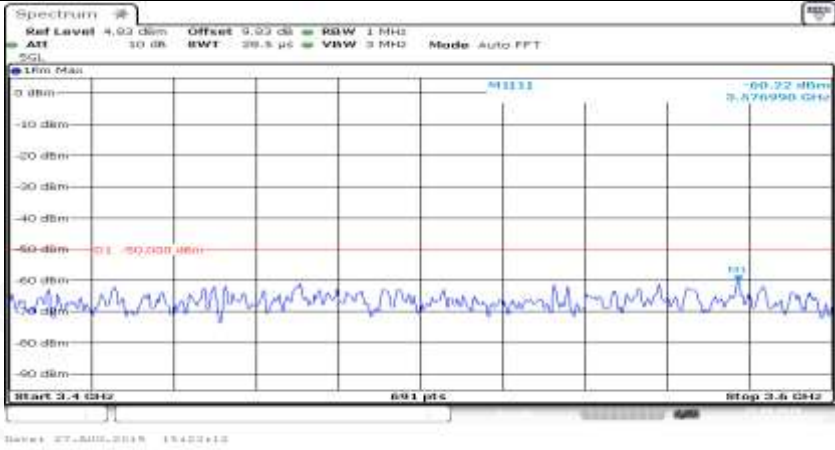
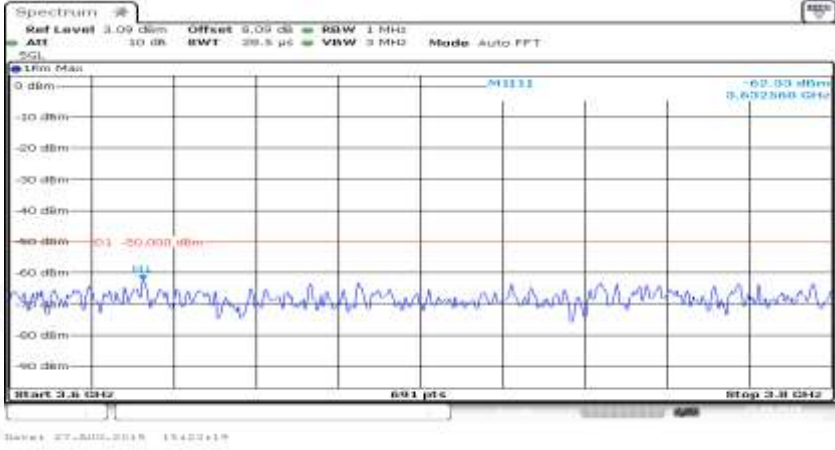


General	
Co-existence	
Co-existence	

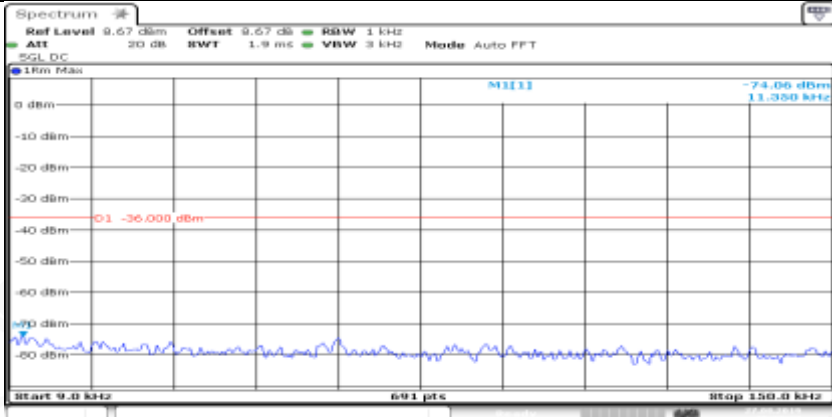
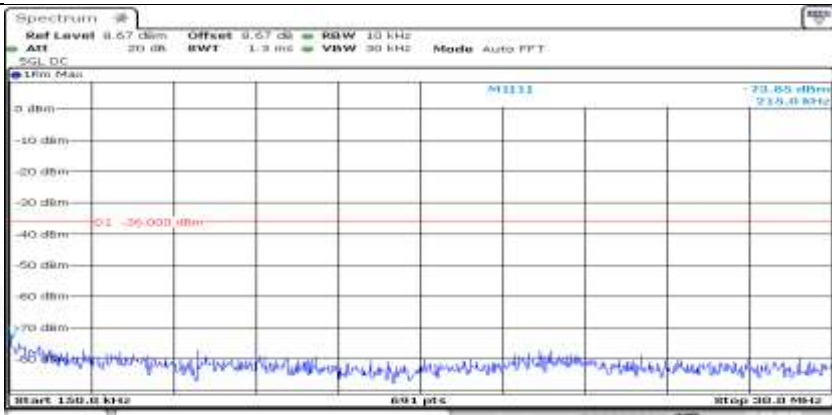
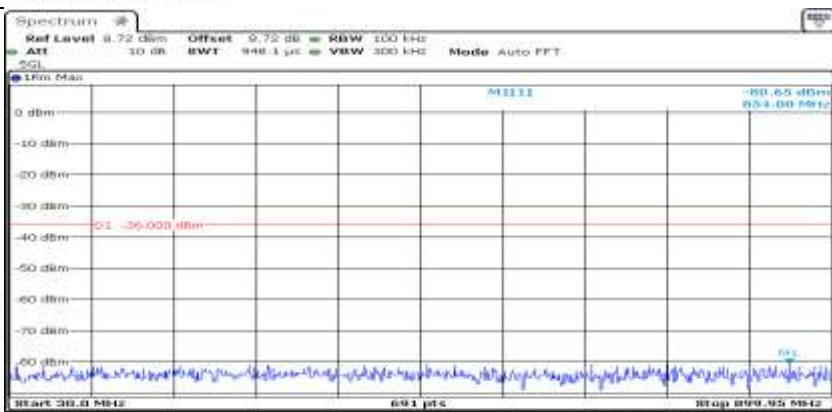
Co-existence	
Co-existence	
Co-existence	

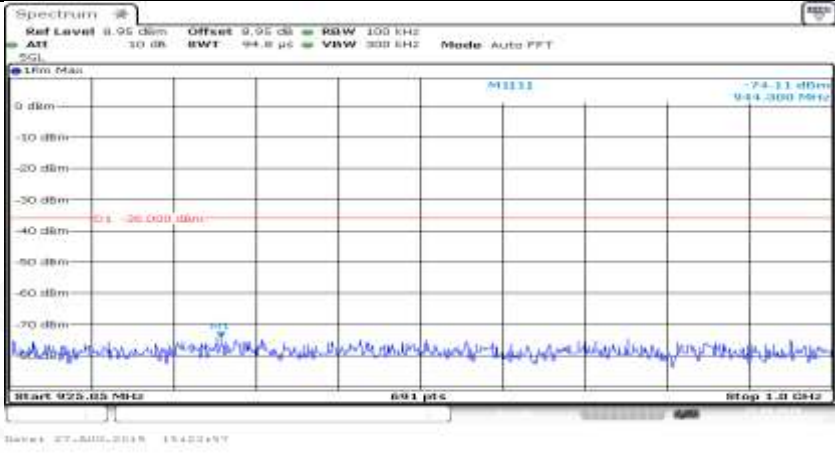
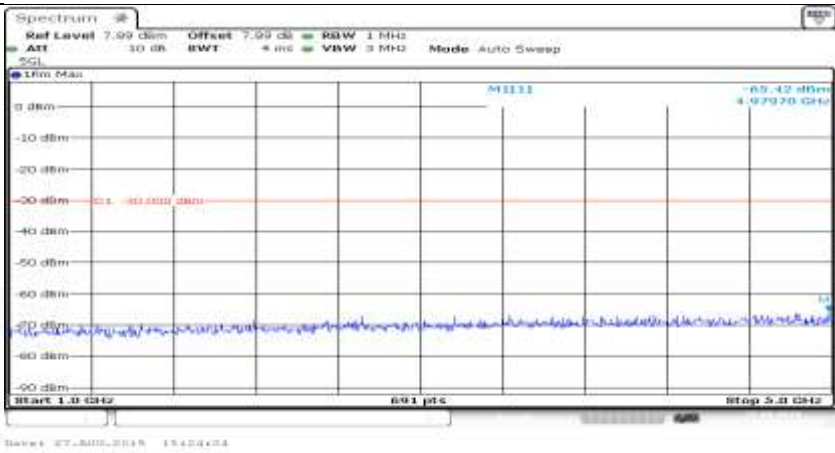
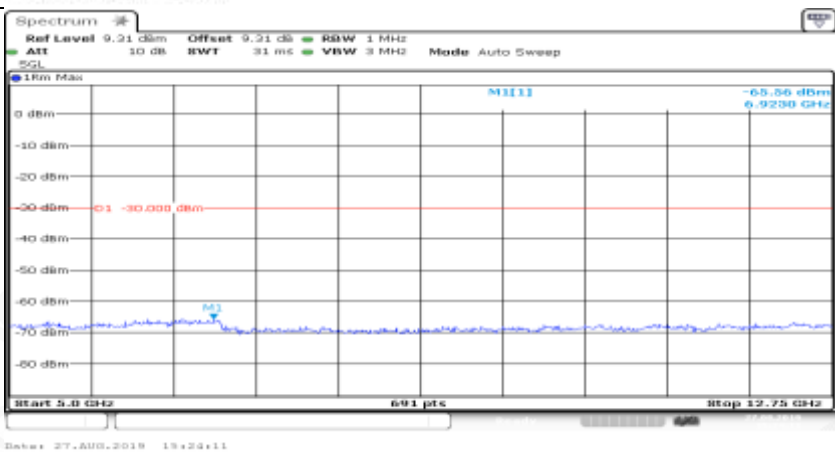
Co-existence	
Co-existence	
Co-existence	

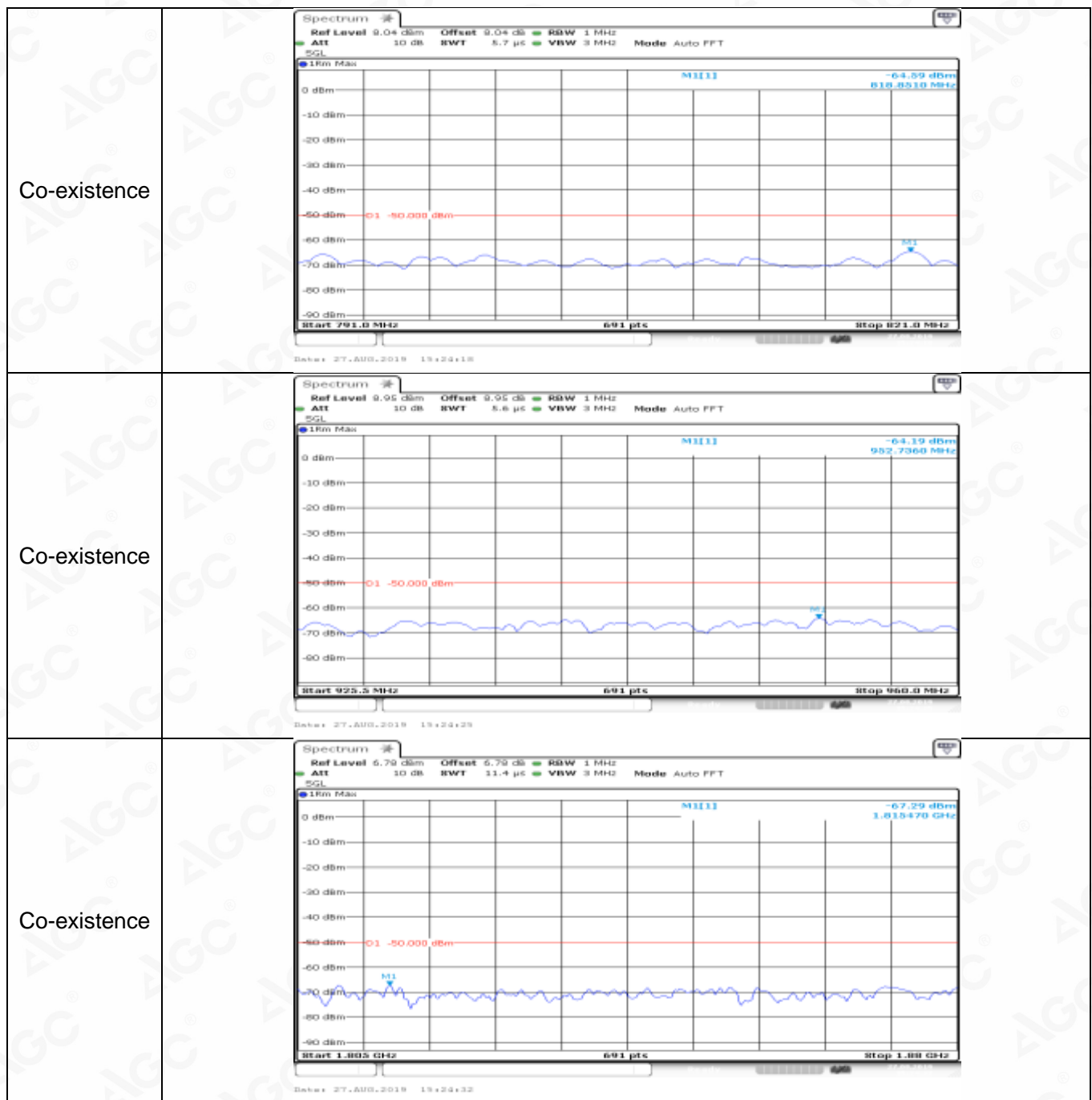


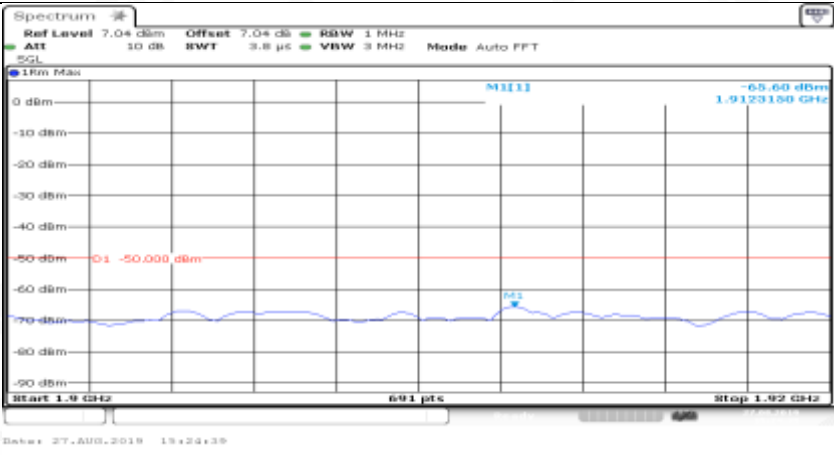
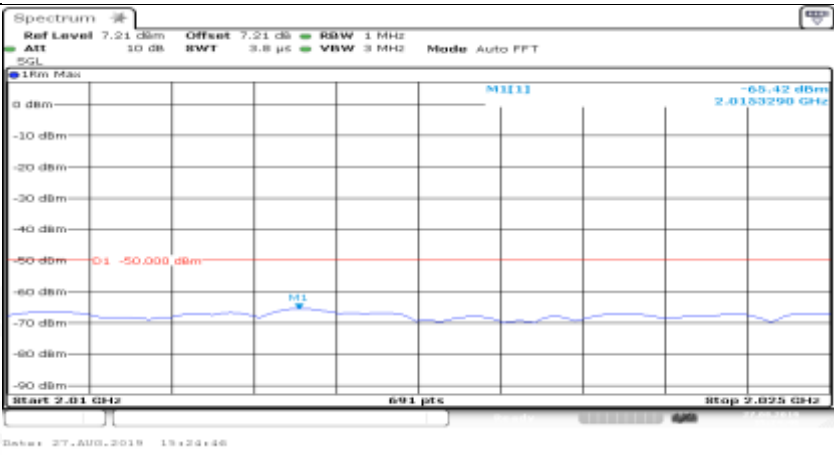

Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_HCH_FullRB#0

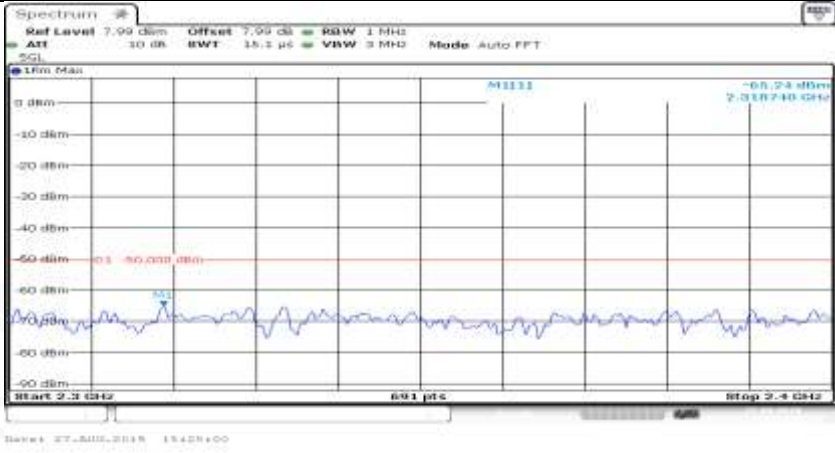
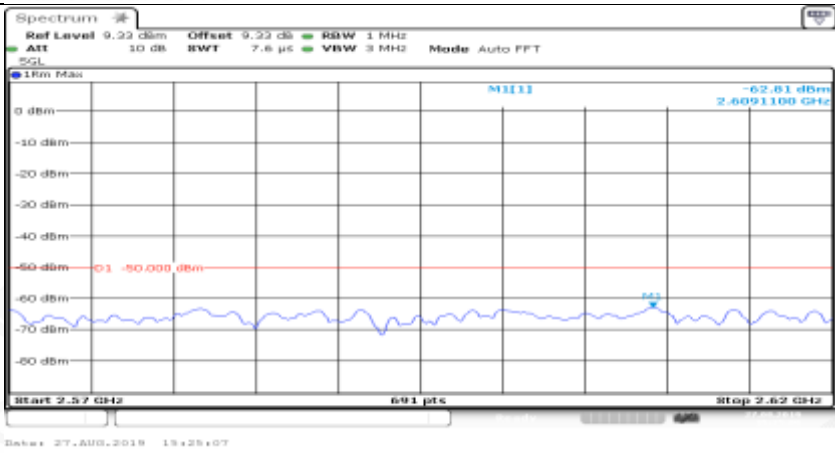
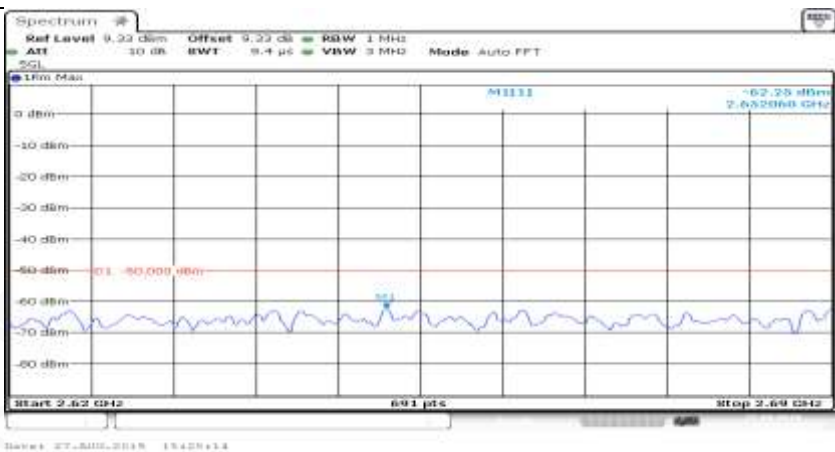
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -74.06 dBm</p> <p>-10 dBm 11.350 kHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Date: 27.AUG.2019 15:23:33</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -73.85 dBm</p> <p>-10 dBm 214.0 kHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 300.0 MHz</p> <p>Date: 27.AUG.2019 15:23:33</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 948.1 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -80.65 dBm</p> <p>-10 dBm 854.00 MHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 300.0 MHz 691 pts Stop 899.95 MHz</p> <p>Date: 27.AUG.2019 15:23:33</p>

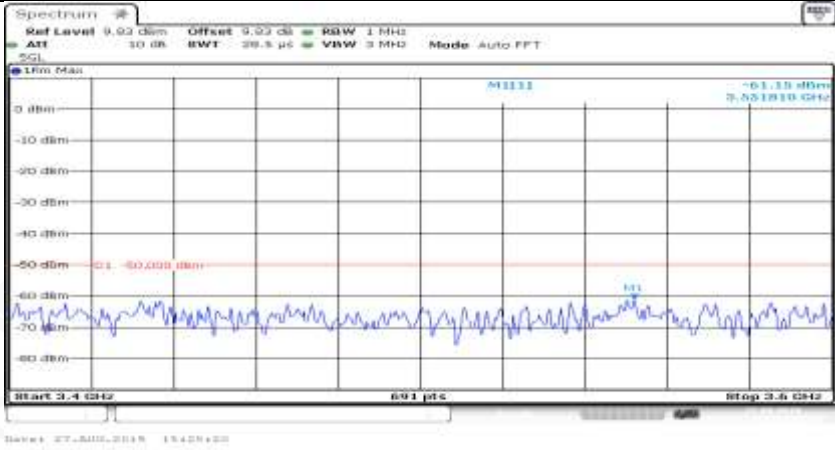
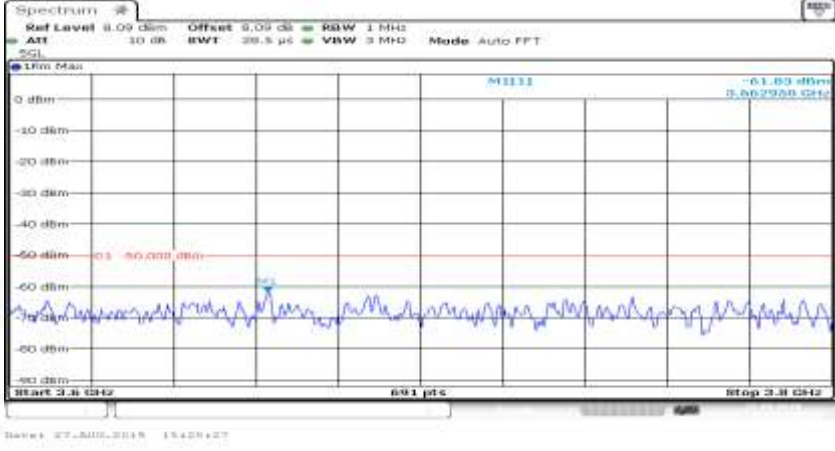
General	
General	
General	



Co-existence	
Co-existence	
Co-existence	

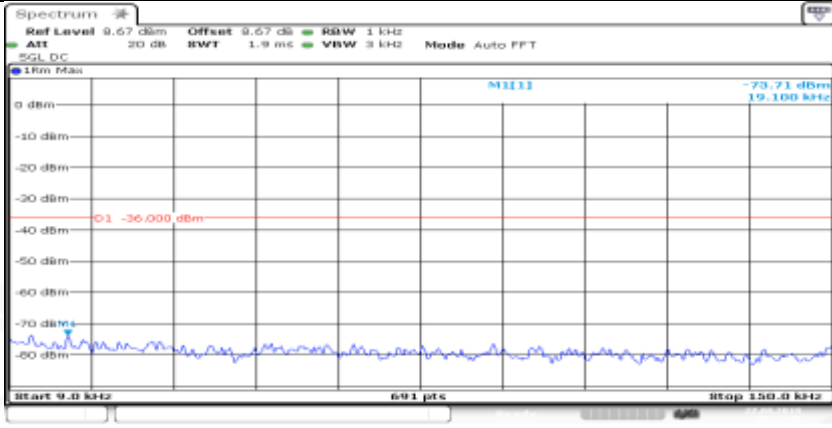
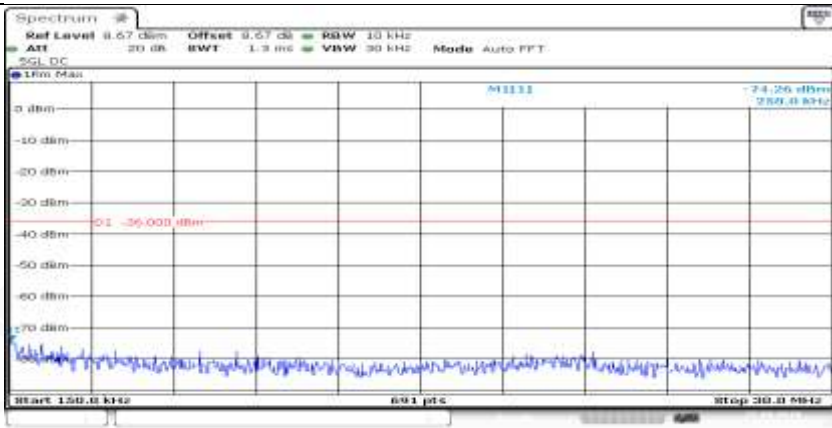
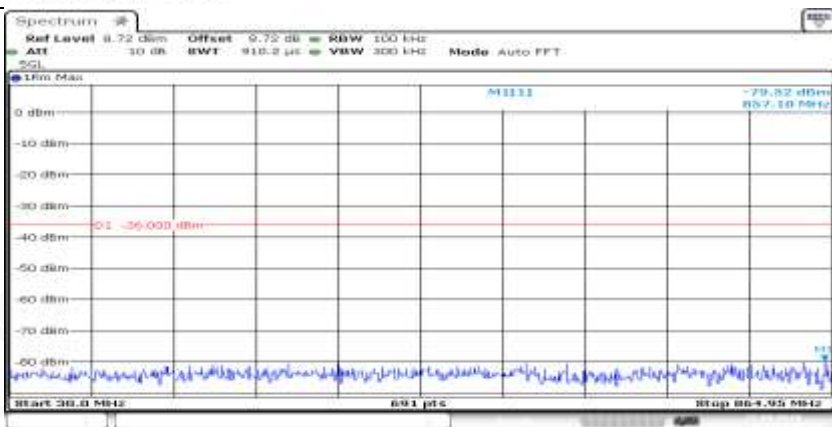


Co-existence	
Co-existence	
Co-existence	

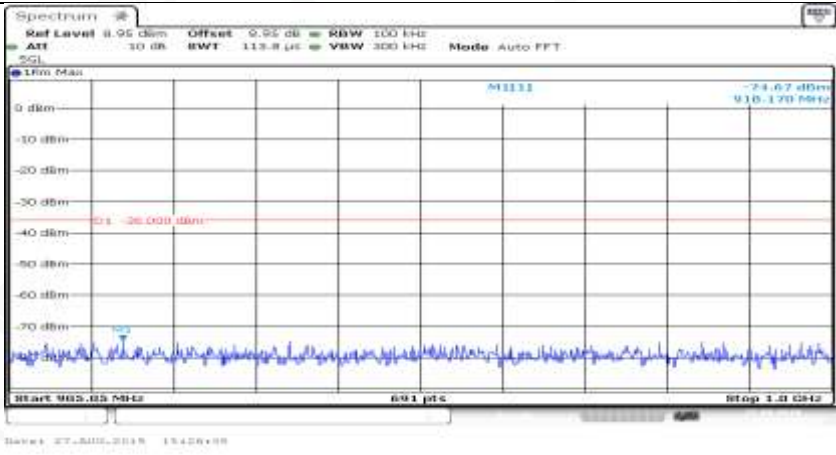
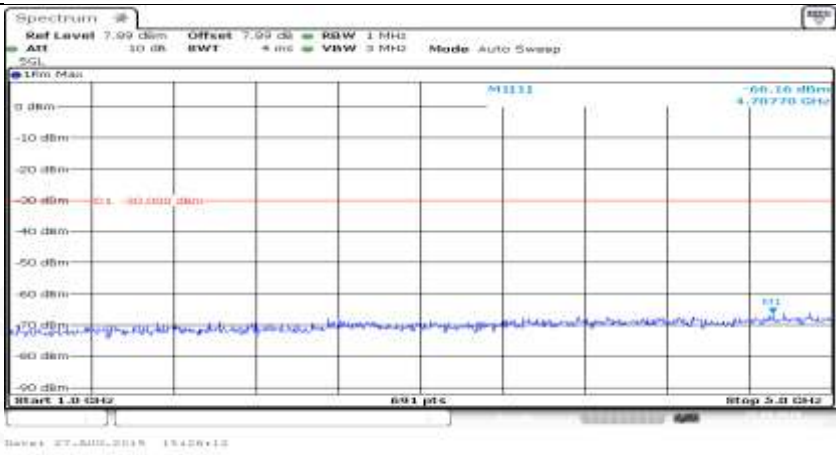
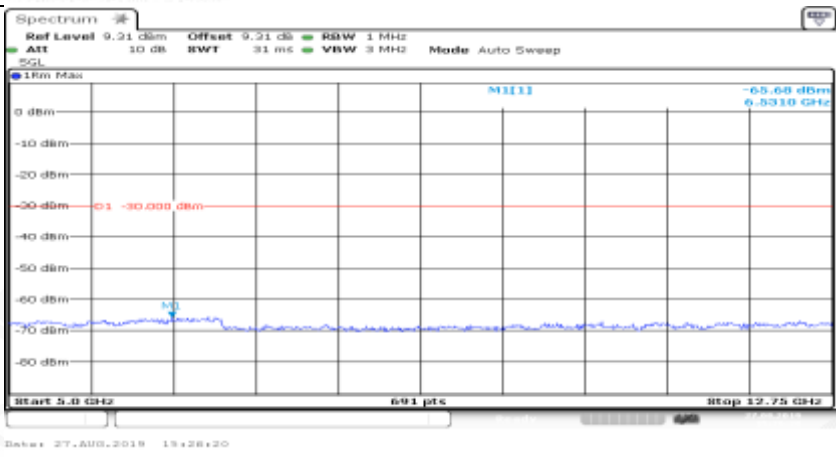
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (10 MHz)

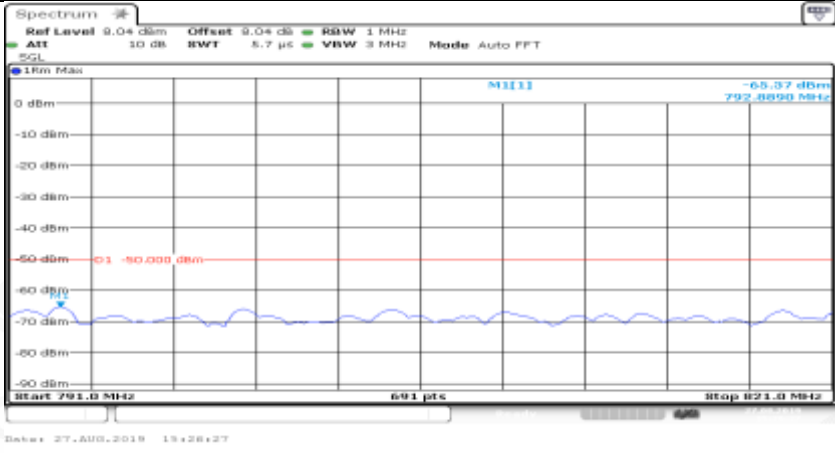
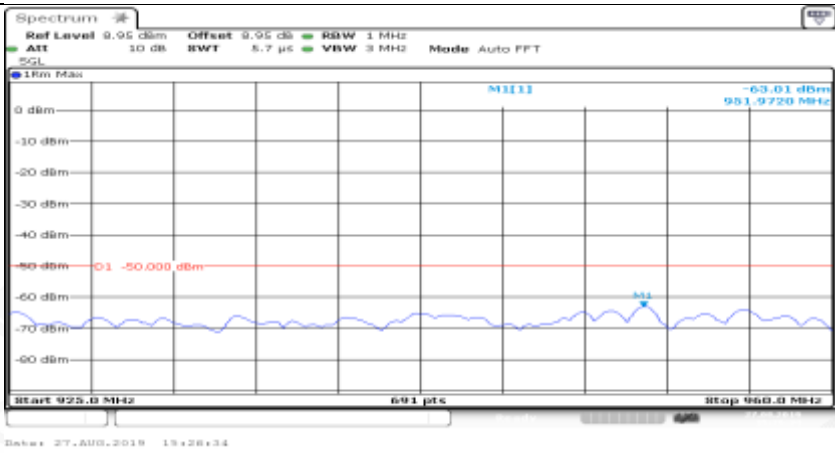
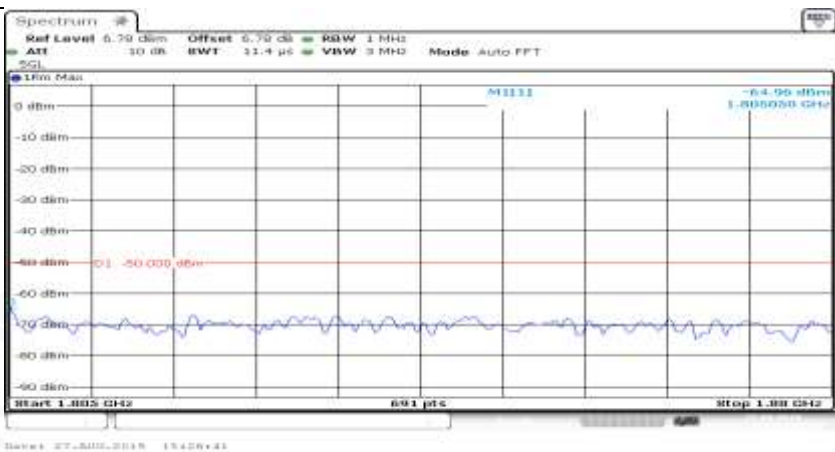
Channel Bandwidth=Highest (10 MHz)_QPSK_LCH_1RB#0

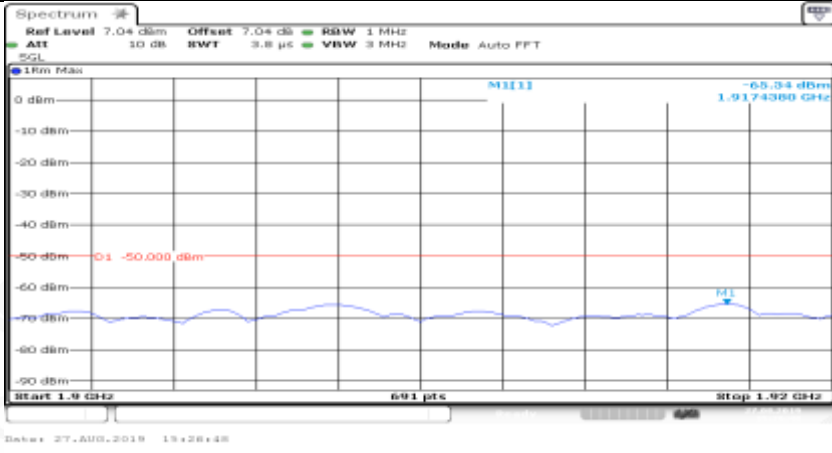
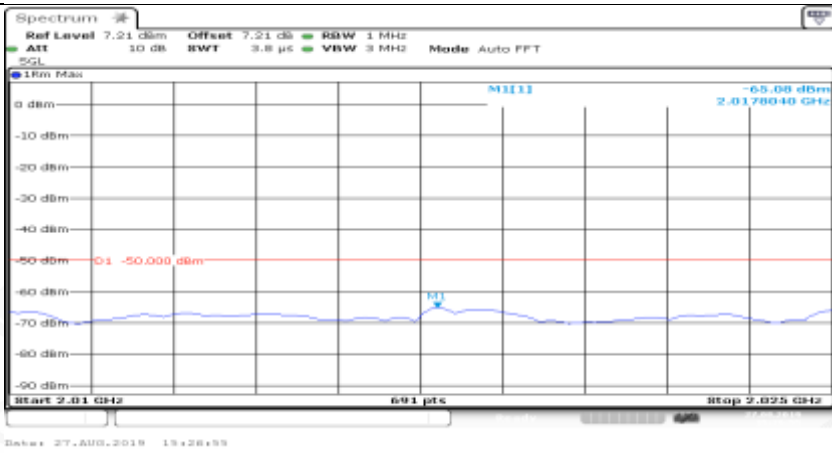

General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -73.71 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Date: 27.AUG.2018 15:25:41</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -74.25 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 300.0 kHz</p> <p>Date: 27.AUG.2018 15:28:51</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 910.2 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -79.82 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 300.0 MHz 691 pts Stop 600.0 MHz</p> <p>Date: 27.AUG.2018 15:28:58</p>



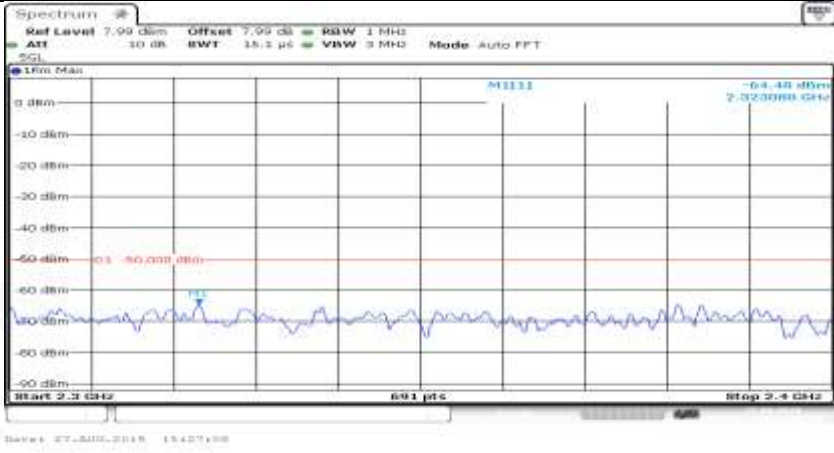
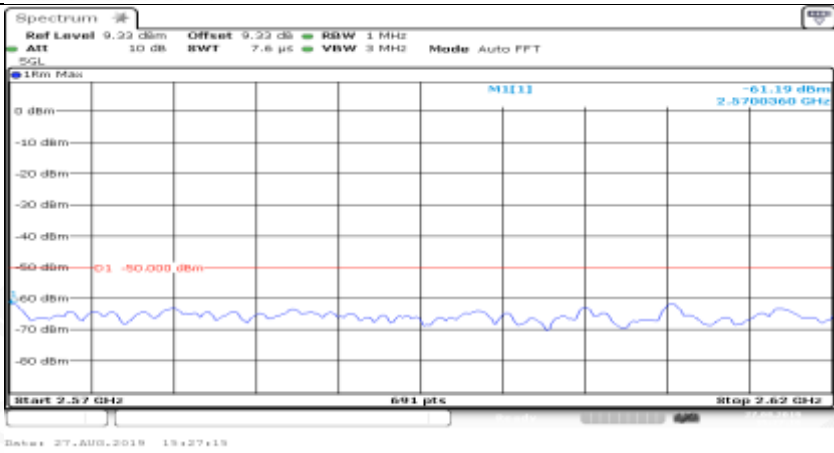
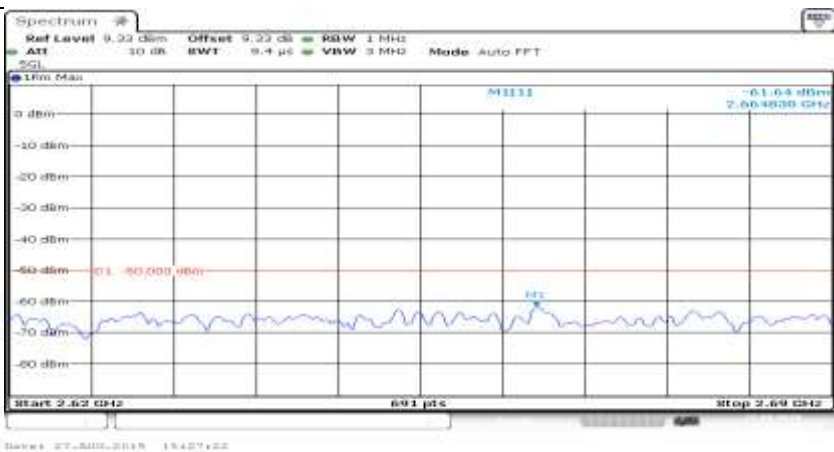
General	
General	
General	



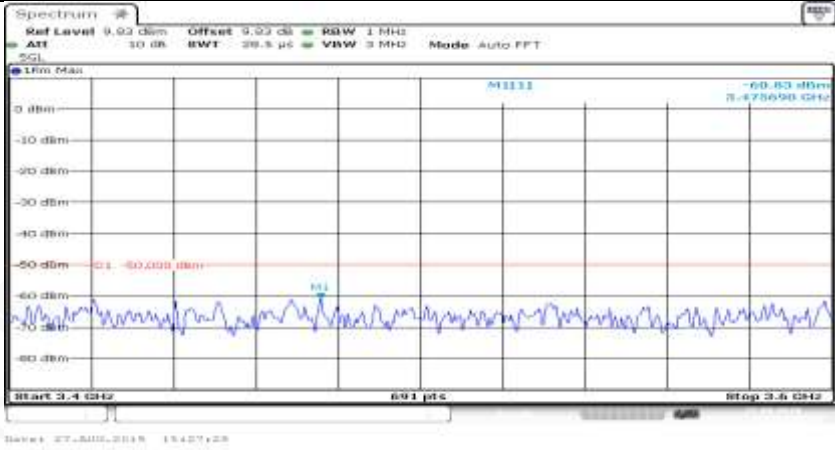
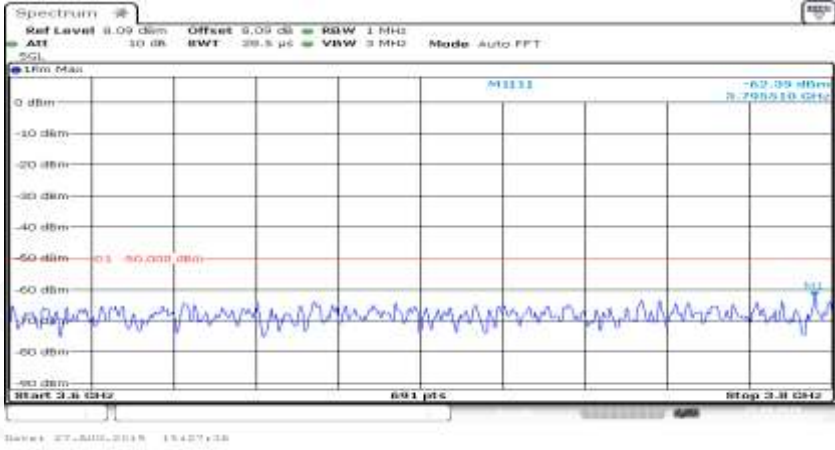
Co-existence	
Co-existence	
Co-existence	

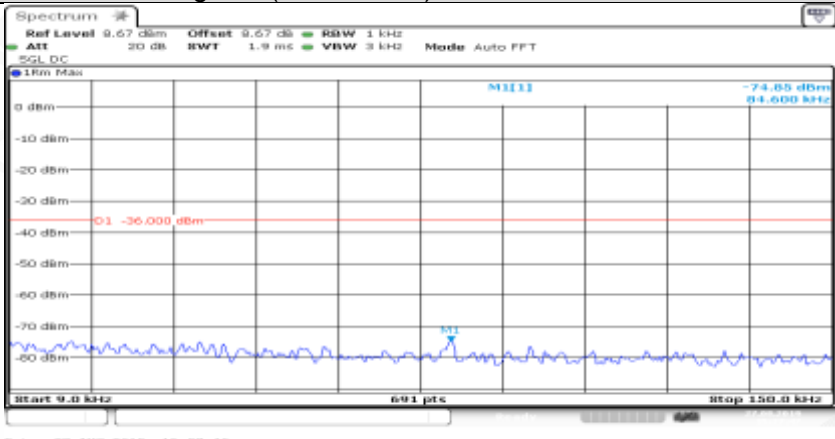
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

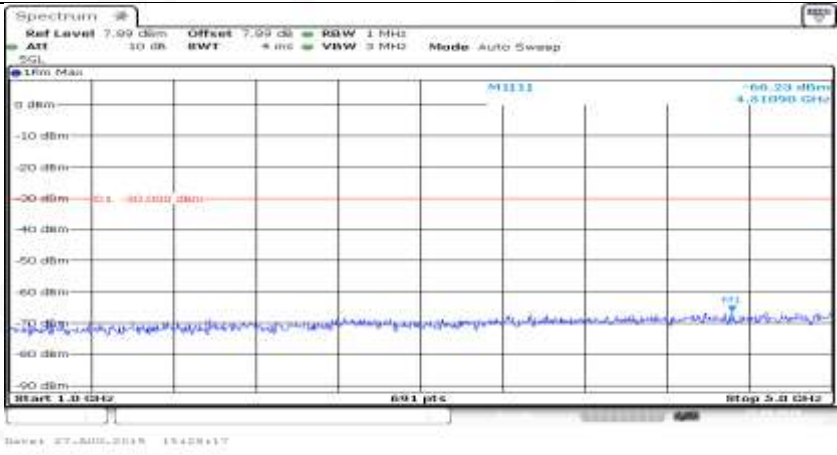
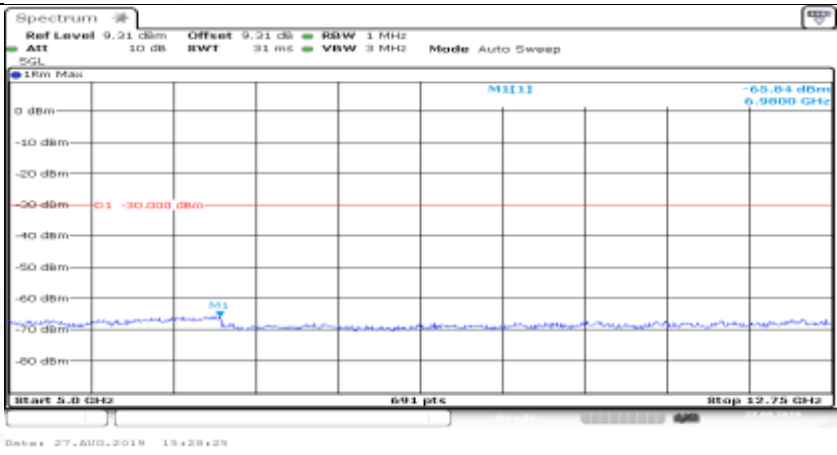
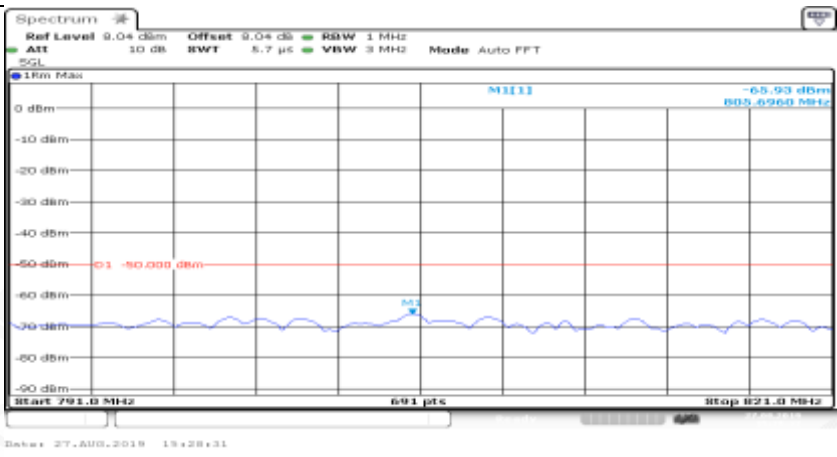


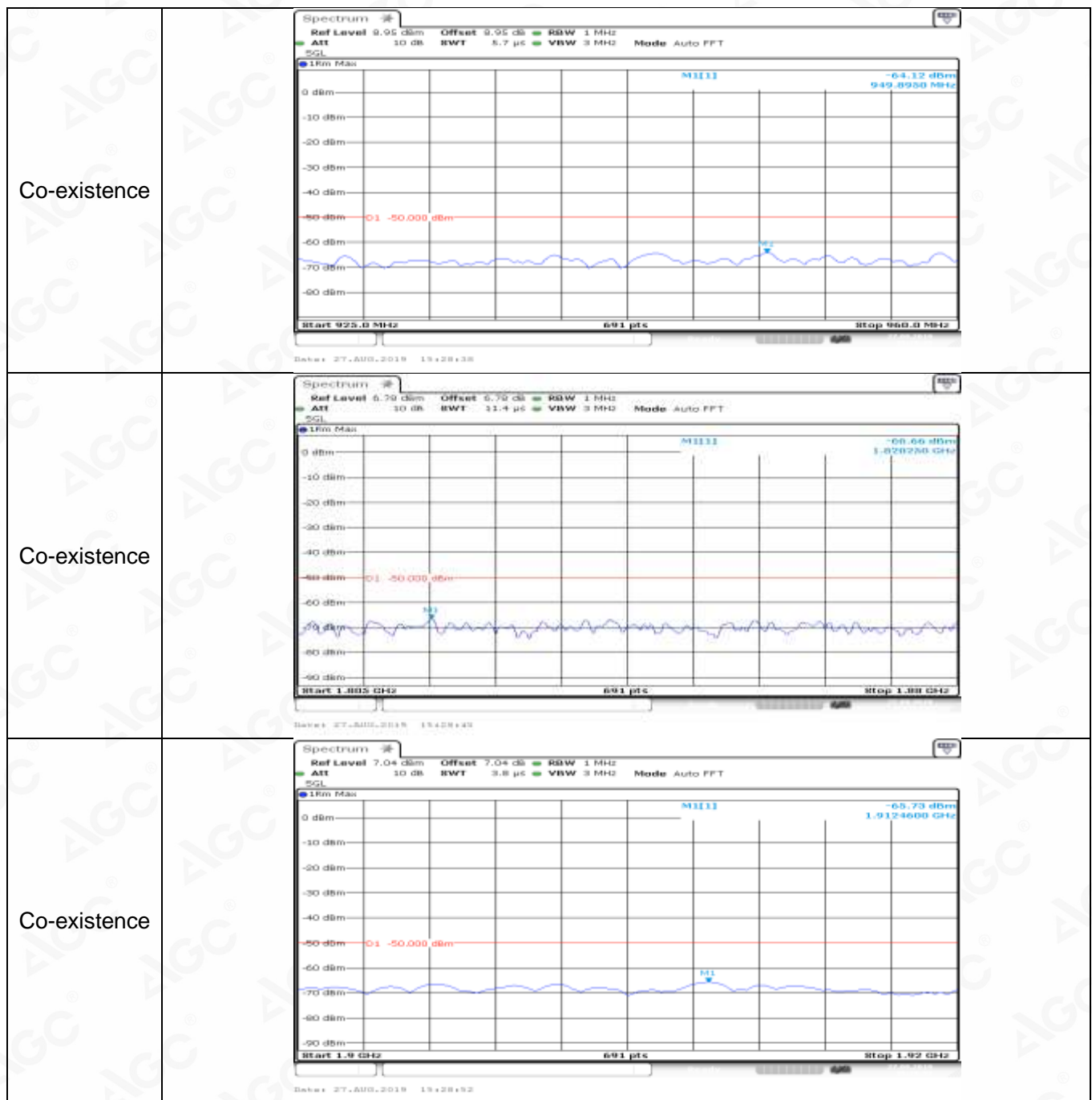
Co-existence	
Co-existence	
Additional	NA

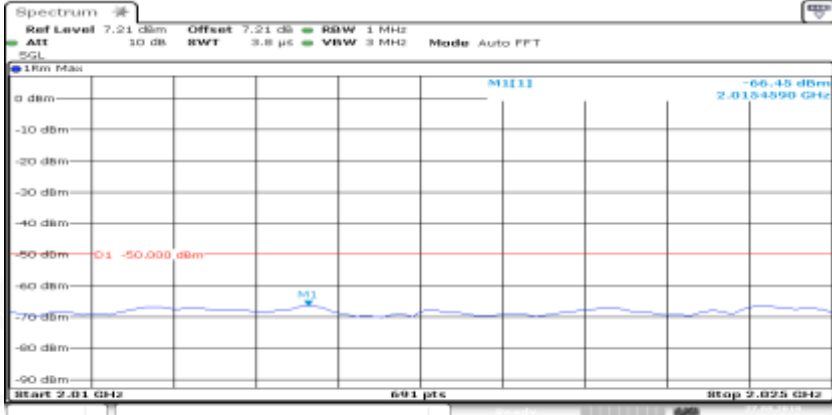
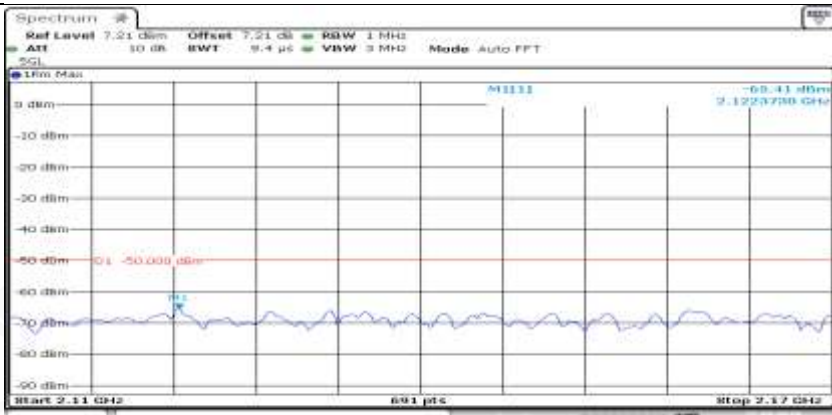
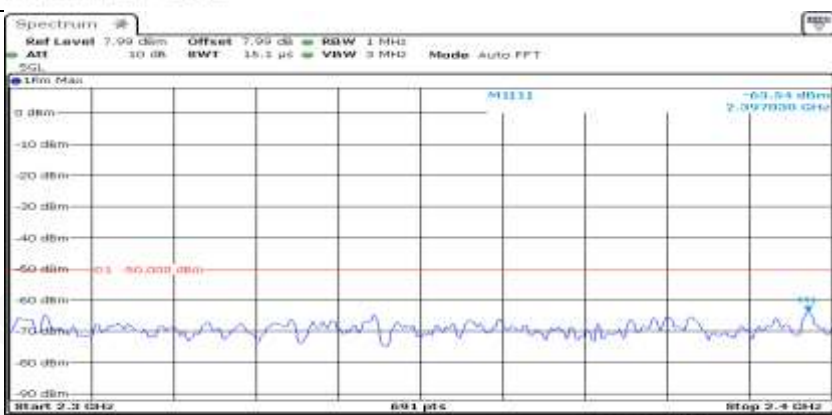
Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	

General	
General	
General	

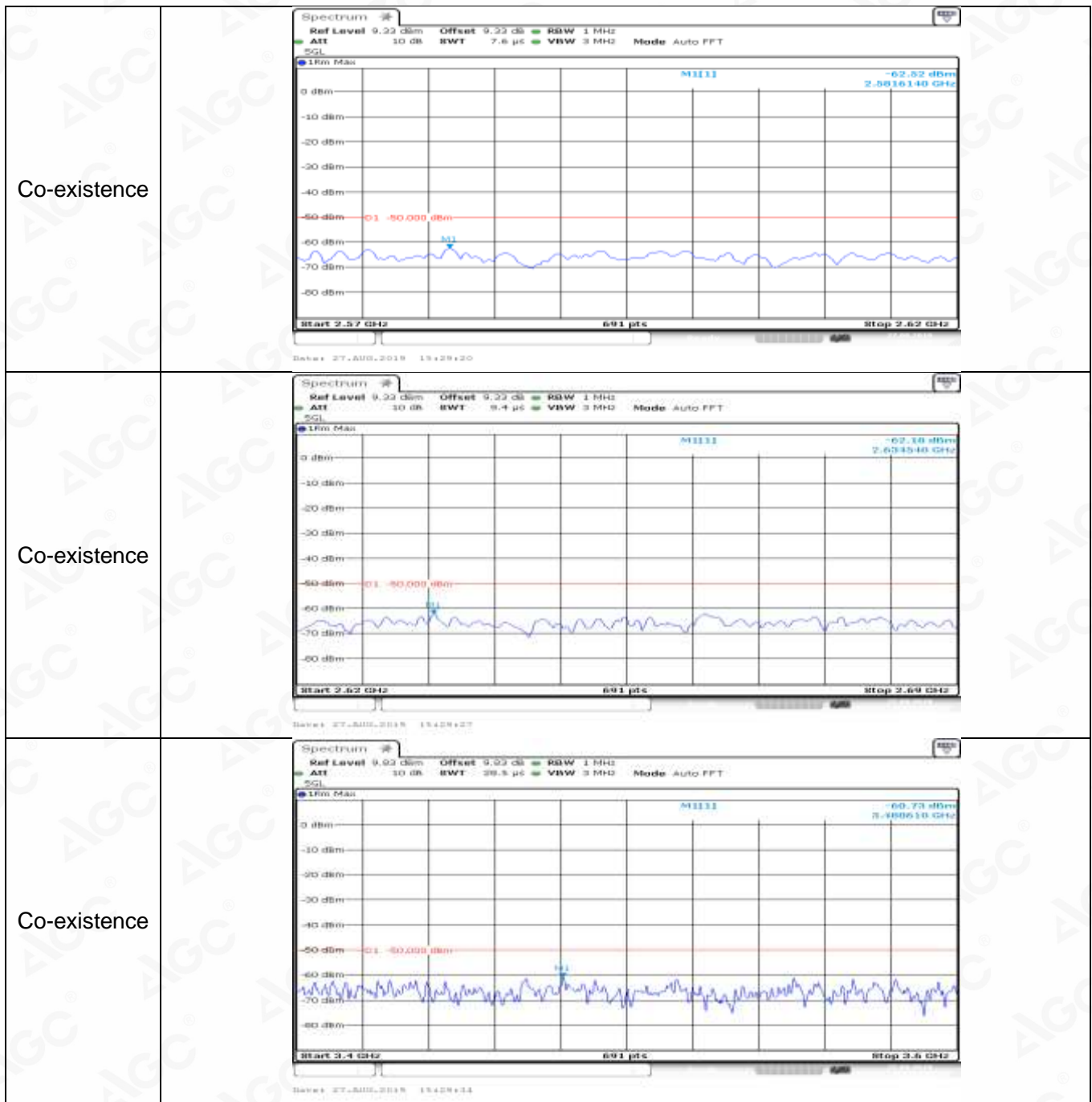


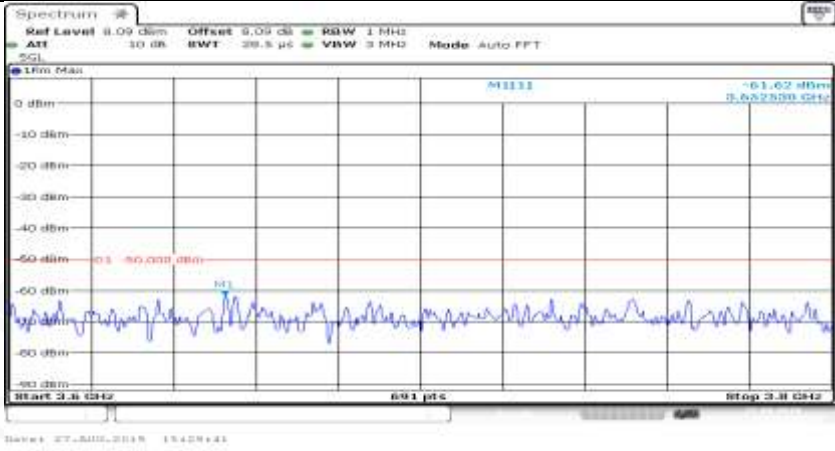
General	
General	
Co-existence	

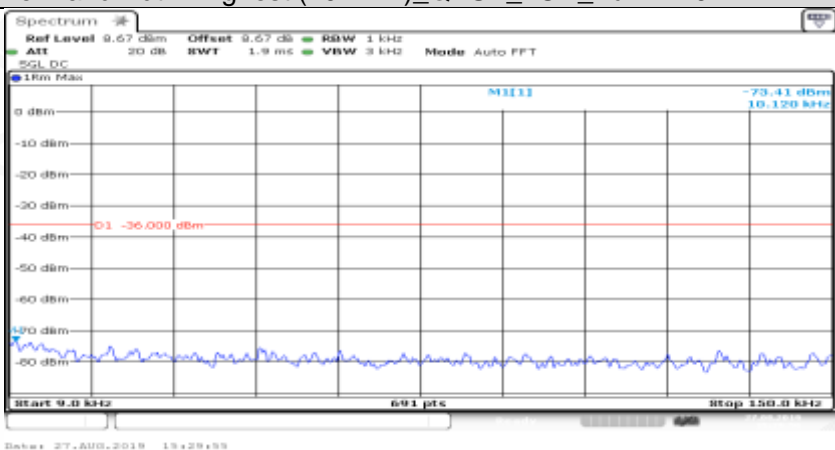
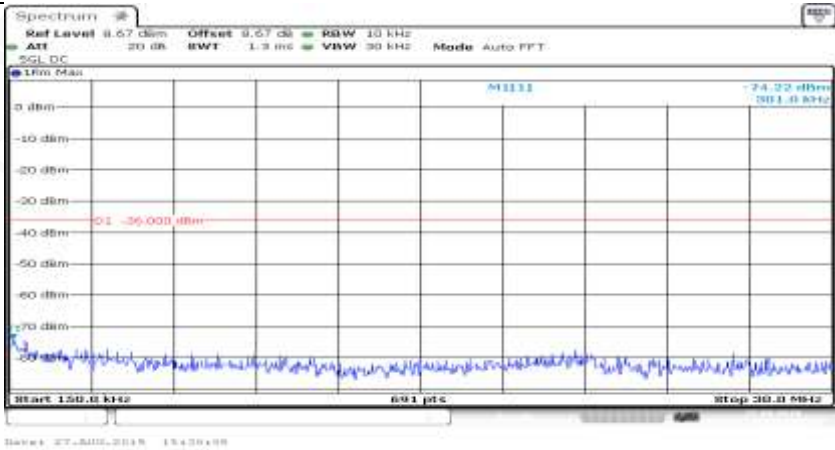


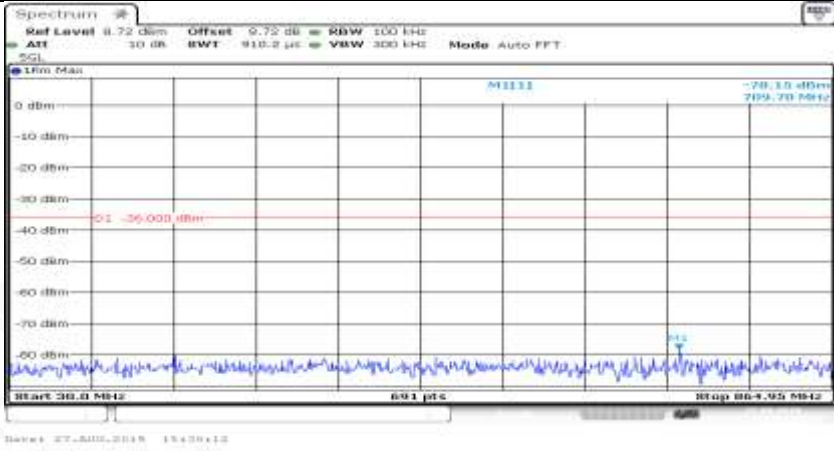
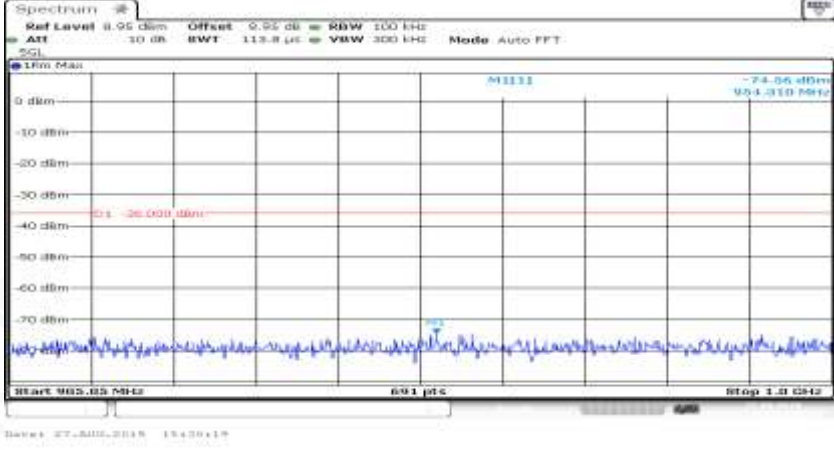
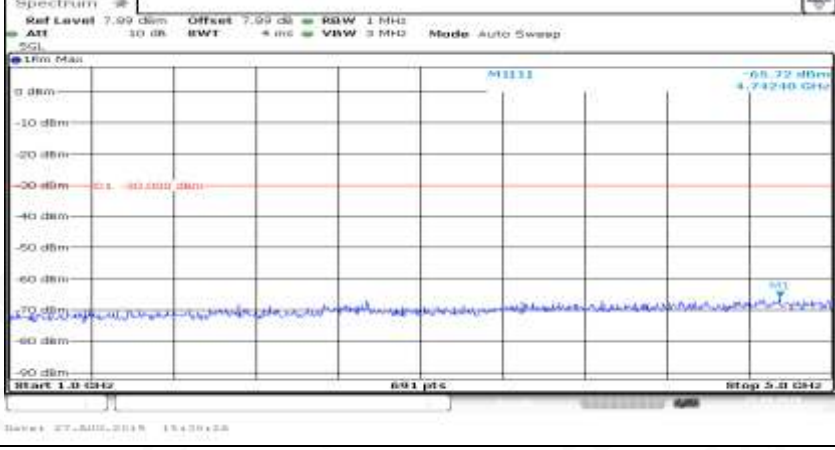
Co-existence	 <p>Spectrum plot showing signal level (dBm) vs frequency (GHz). The plot displays a signal level around -66.45 dBm at 2.0154890 GHz. The y-axis ranges from 0 dBm to -90 dBm, and the x-axis ranges from 2.01 GHz to 2.025 GHz. A red line indicates a -50.000 dBm limit.</p>
Co-existence	 <p>Spectrum plot showing signal level (dBm) vs frequency (GHz). The plot displays a signal level around -66.41 dBm at 2.1223700 GHz. The y-axis ranges from 0 dBm to -90 dBm, and the x-axis ranges from 2.11 GHz to 2.13 GHz. A red line indicates a -50.000 dBm limit.</p>
Co-existence	 <p>Spectrum plot showing signal level (dBm) vs frequency (GHz). The plot displays a signal level around -67.54 dBm at 2.3077000 GHz. The y-axis ranges from 0 dBm to -90 dBm, and the x-axis ranges from 2.3 GHz to 2.4 GHz. A red line indicates a -50.000 dBm limit.</p>



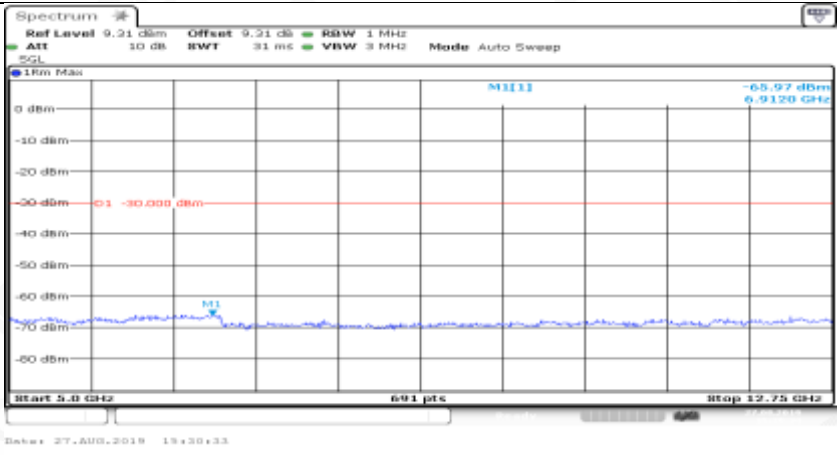
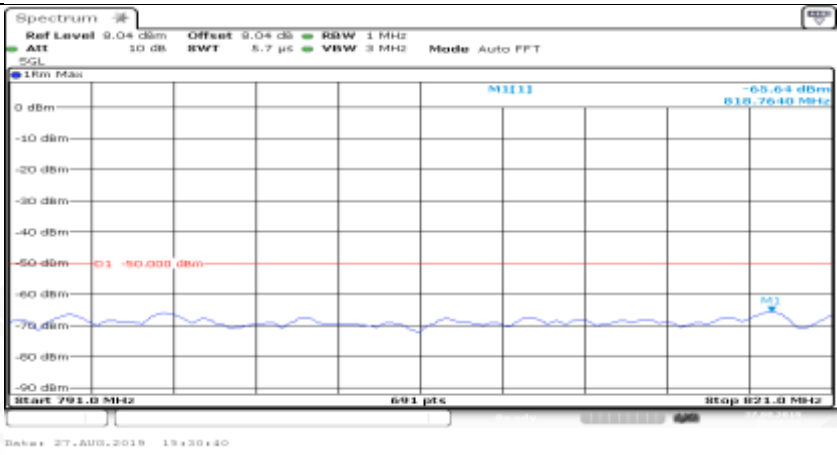
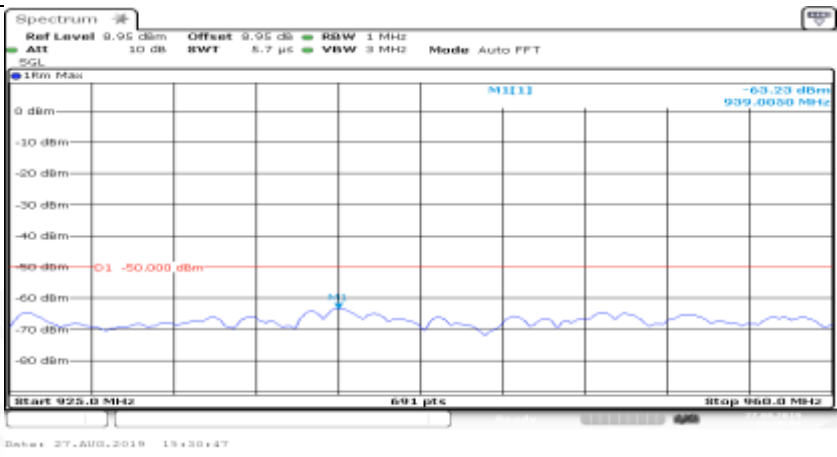



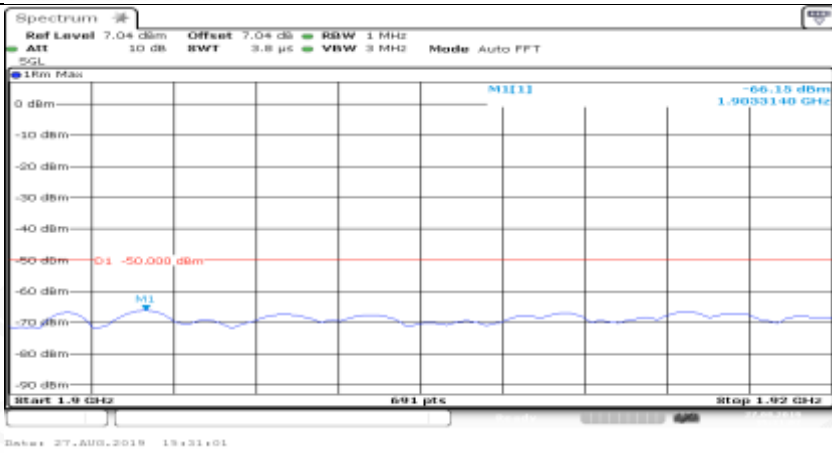
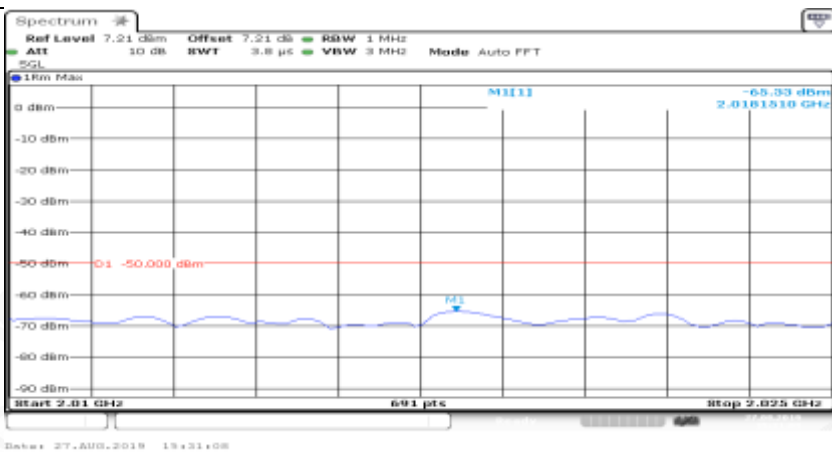
Co-existence	
Additional	NA

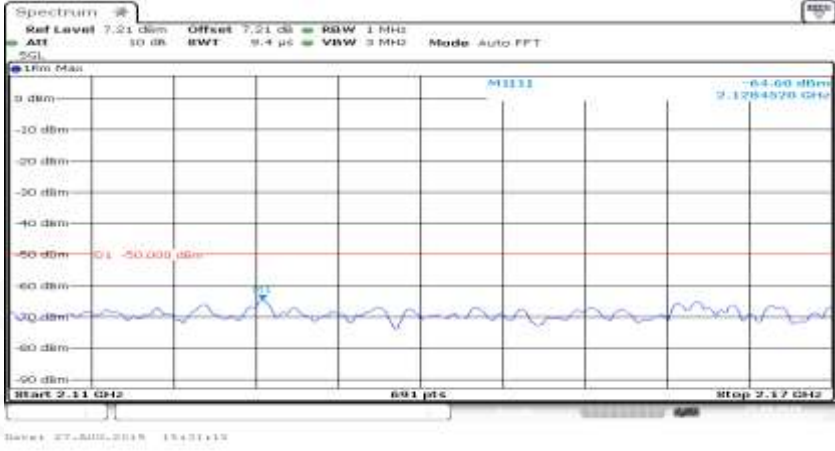

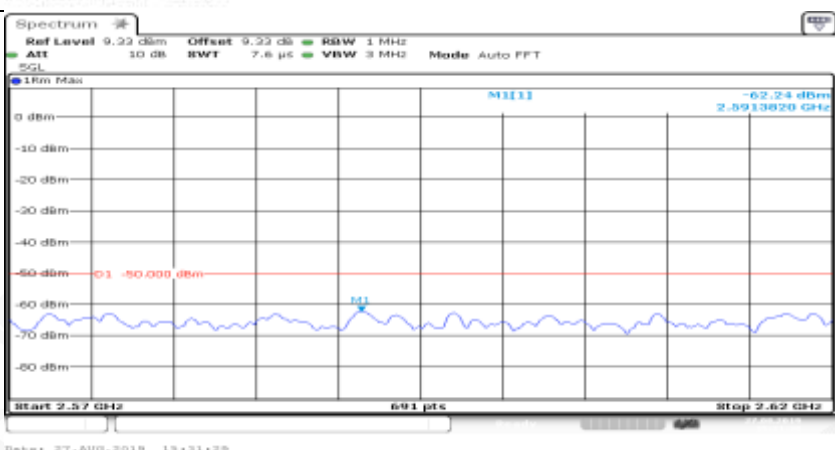
Channel Bandwidth=Highest (10 MHz)_QPSK_LCH_FullRB#0	
General	
General	

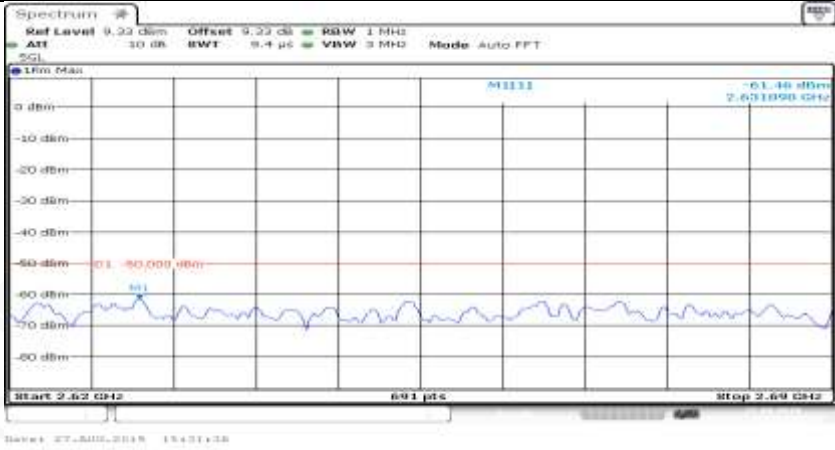
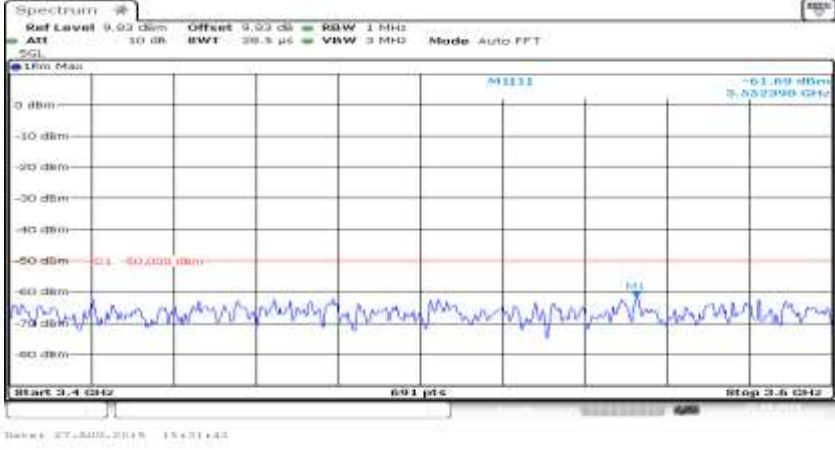

General	 <p>Spectrum plot showing a noise floor around -70 dBm with a red line at -36.000 dBm. Parameters: Ref Level 8.72 dBm, Offset 0.72 dB, RBW 100 kHz, ATT 10 dB, BW 910.2 µs, VSW 300 kHz, Mode Auto FFT. Start 30.0 MHz, Stop 864.95 MHz.</p>
General	 <p>Spectrum plot showing a noise floor around -74 dBm with a red line at -36.000 dBm. Parameters: Ref Level 8.95 dBm, Offset 0.95 dB, RBW 100 kHz, ATT 10 dB, BW 113.8 µs, VSW 300 kHz, Mode Auto FFT. Start 985.05 MHz, Stop 1.0 GHz.</p>
General	 <p>Spectrum plot showing a noise floor around -68 dBm with a red line at -36.000 dBm. Parameters: Ref Level 7.99 dBm, Offset 7.99 dB, RBW 1 MHz, ATT 10 dB, BW 4 ms, VSW 3 MHz, Mode Auto Sweep. Start 1.0 GHz, Stop 5.0 GHz.</p>



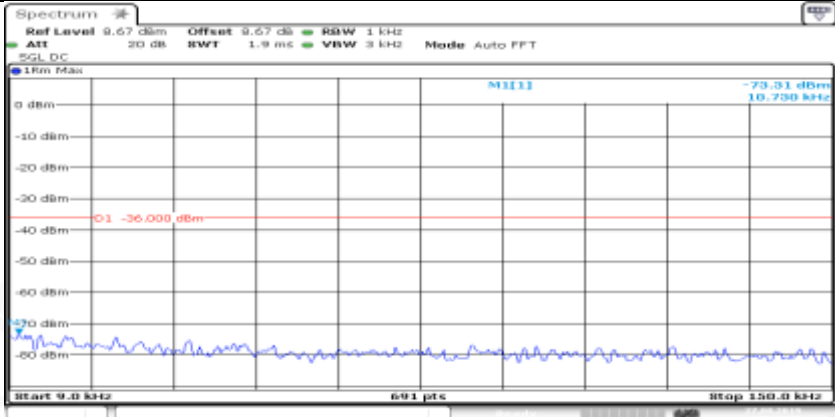
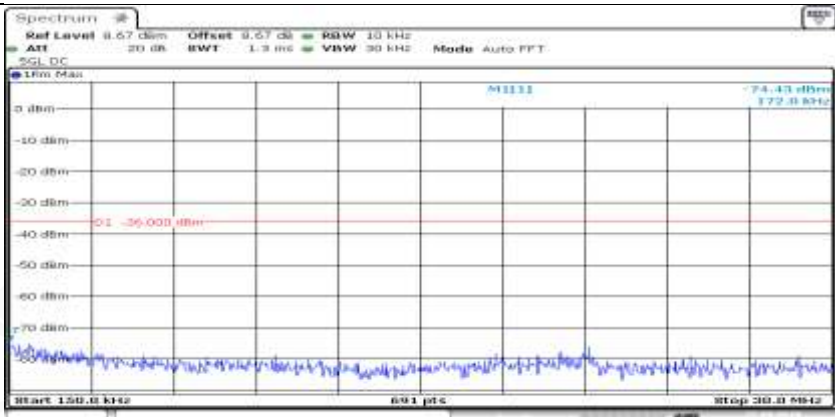
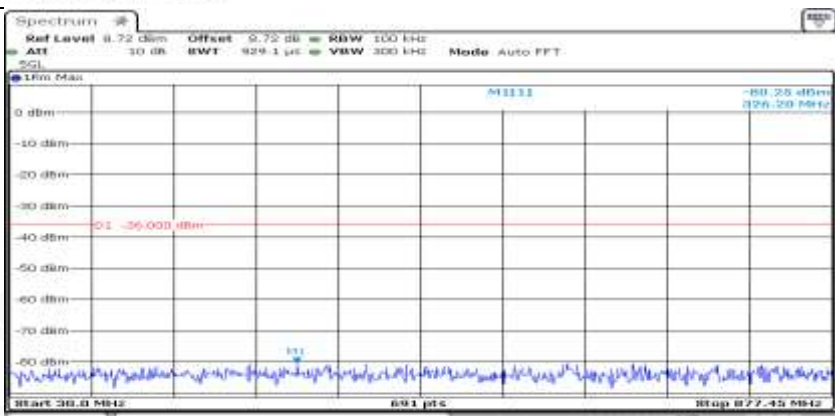
General	
Co-existence	
Co-existence	

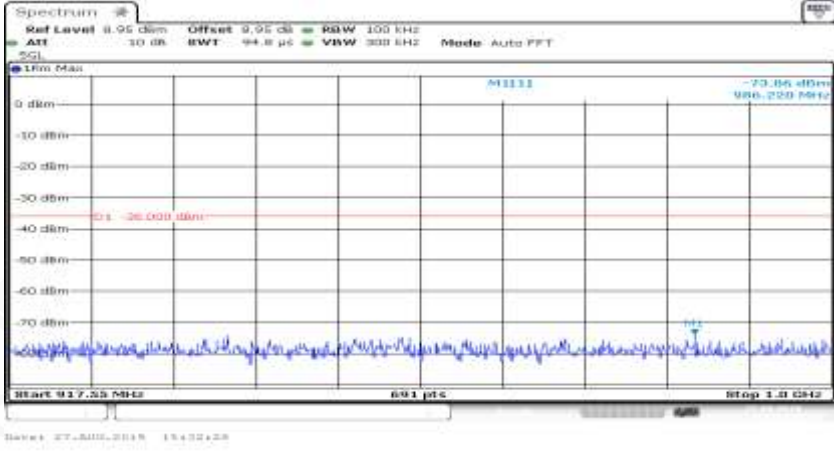
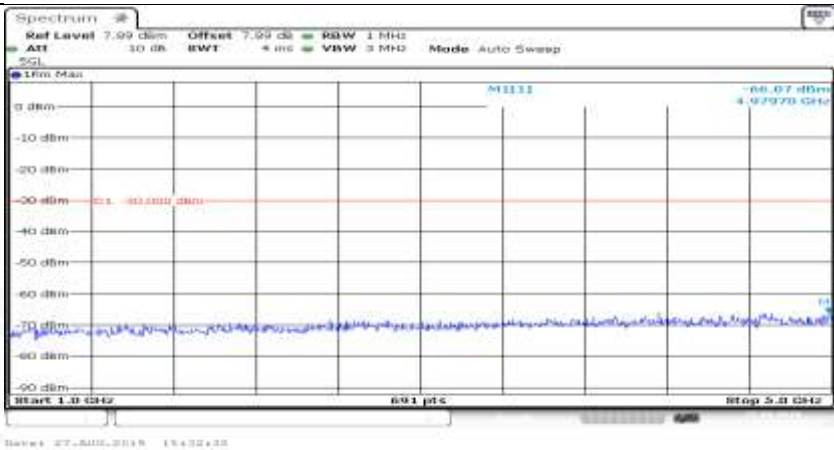
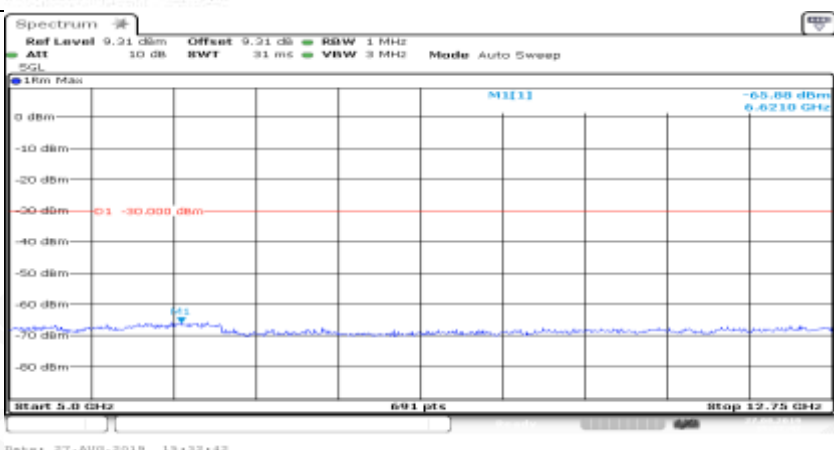
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

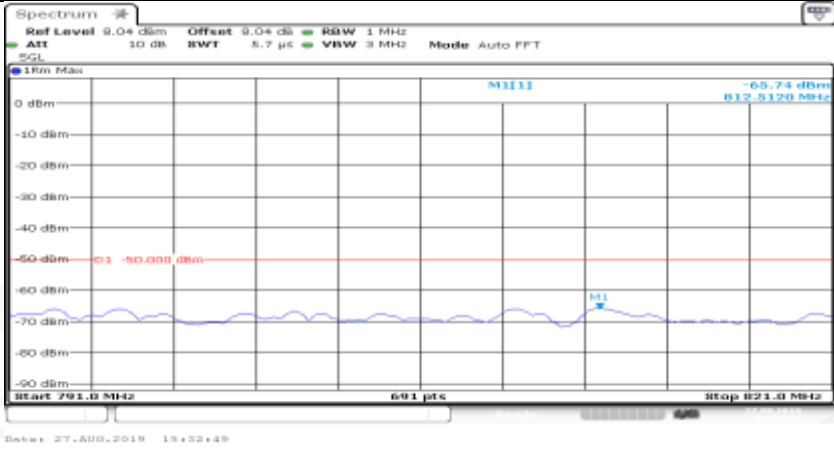
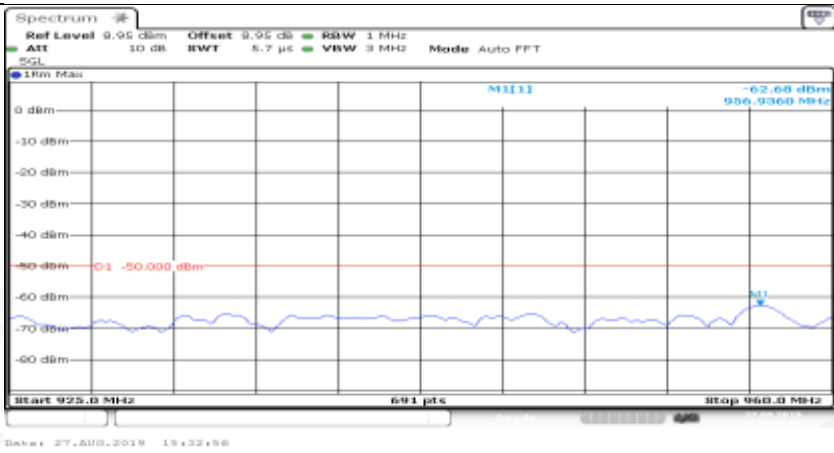
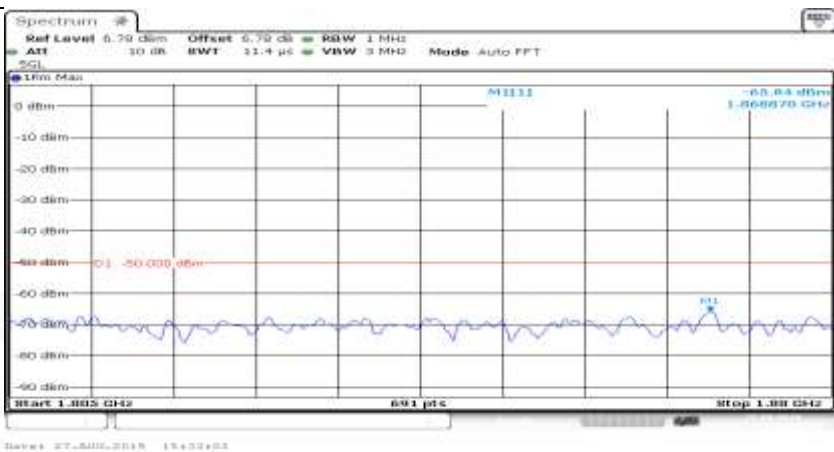
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_1RB#0

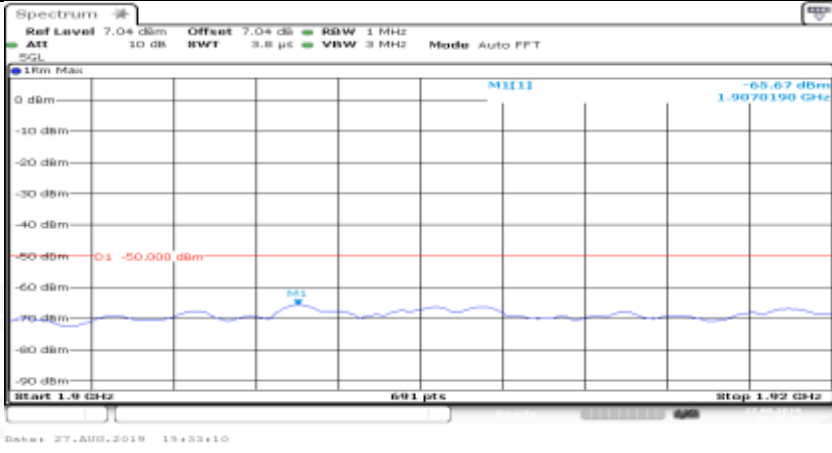
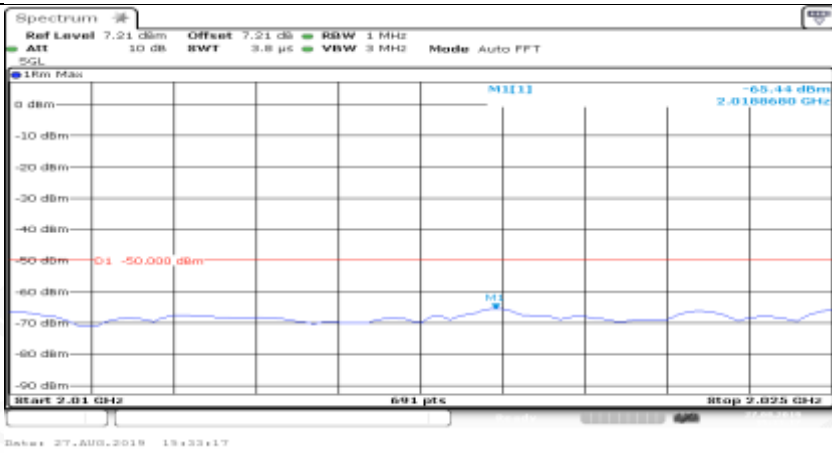
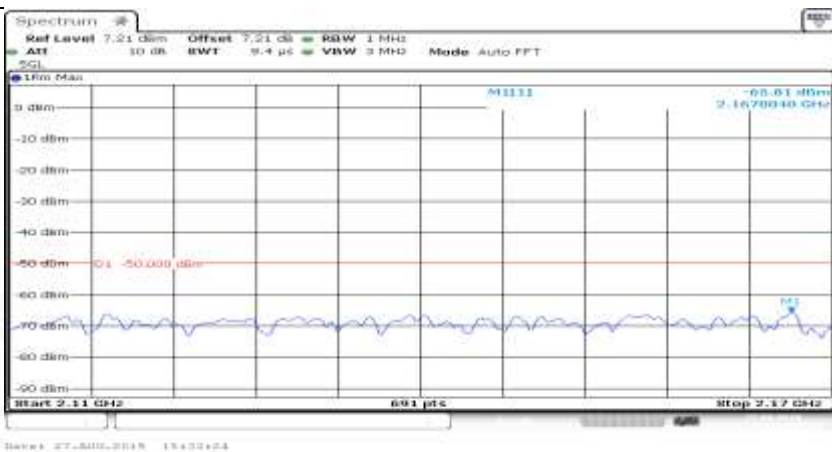
General	
General	
General	

General	
General	
General	


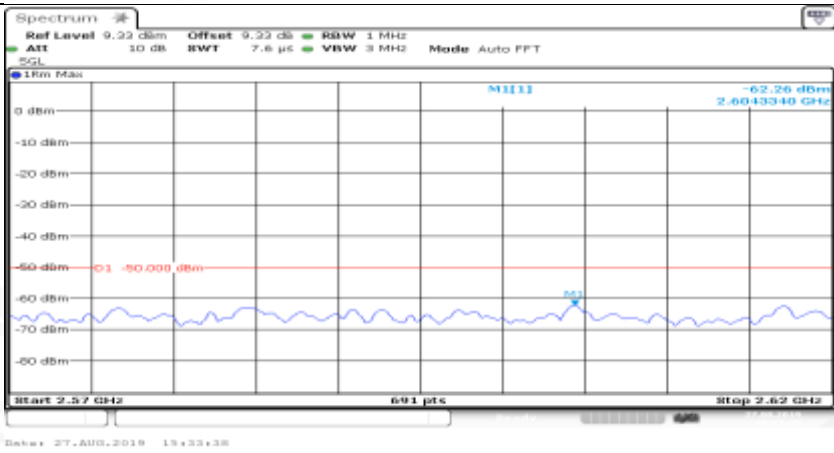
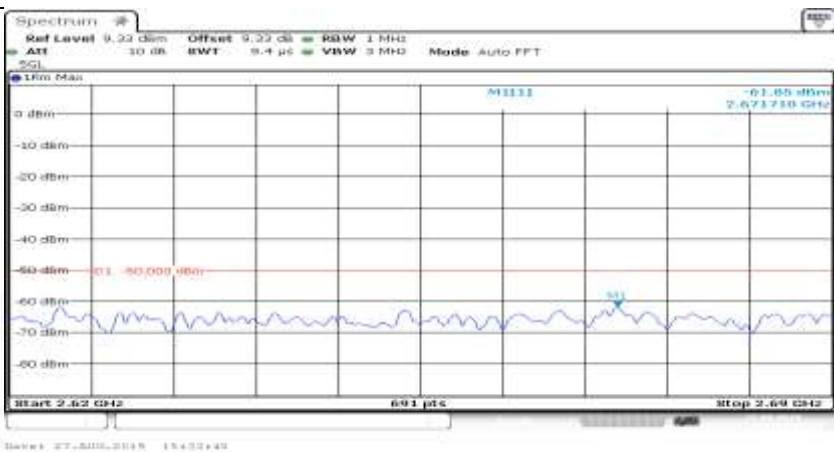


Co-existence	
Co-existence	
Co-existence	

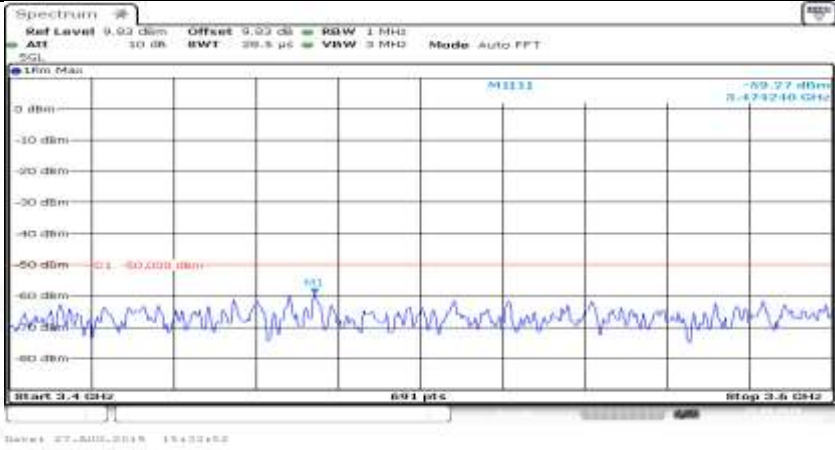



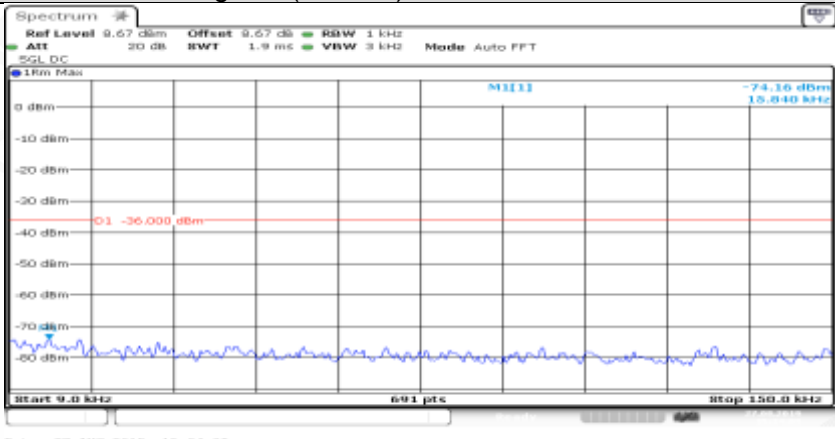
Co-existence	
Co-existence	
Co-existence	

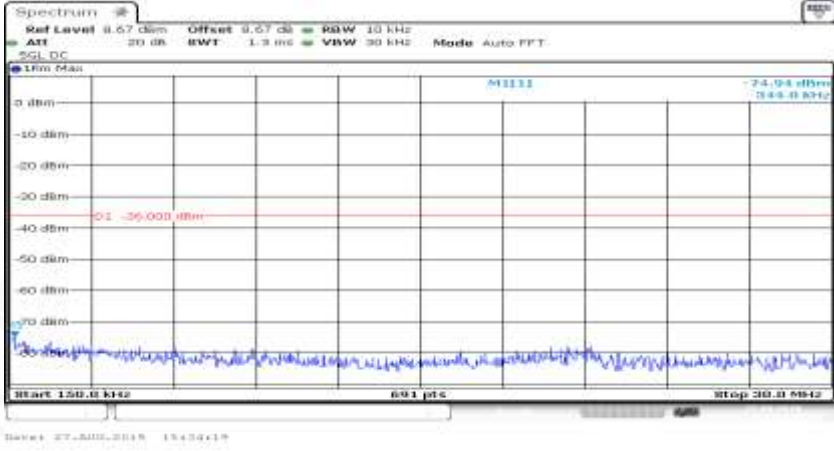
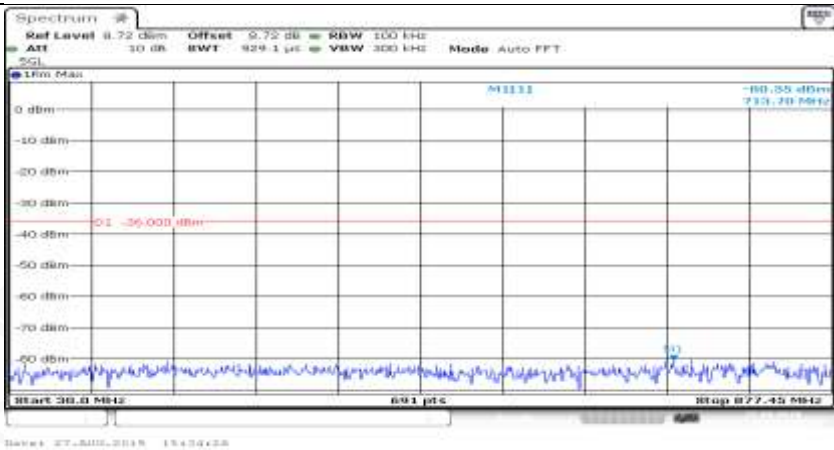
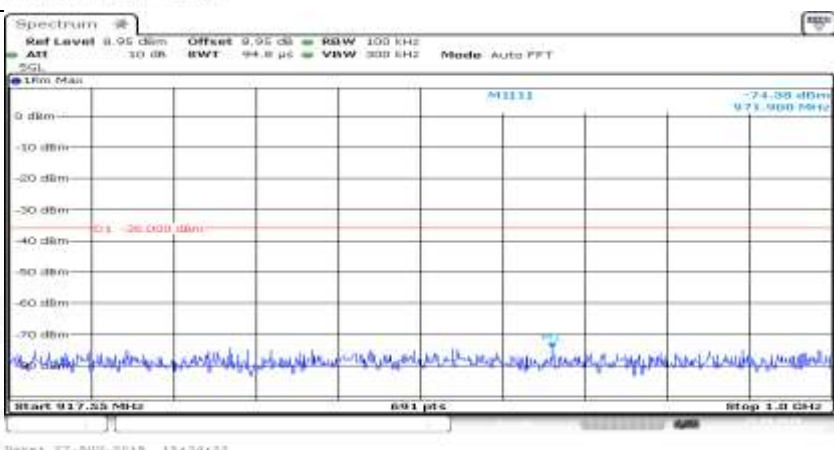


Co-existence	
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Co-existence	

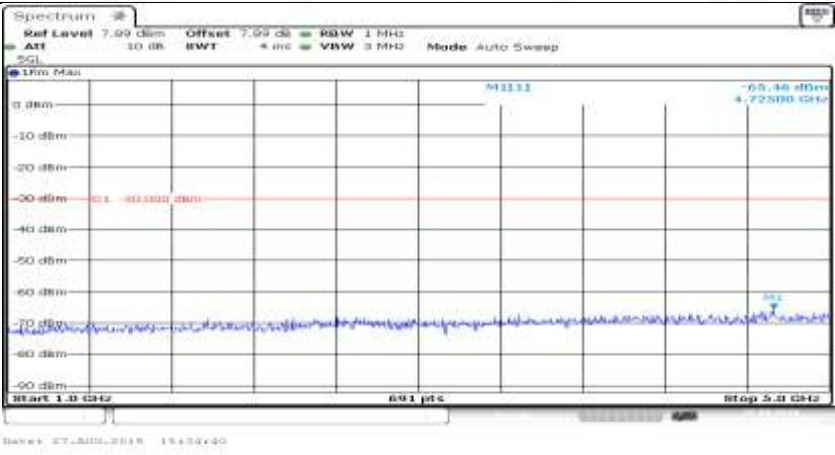
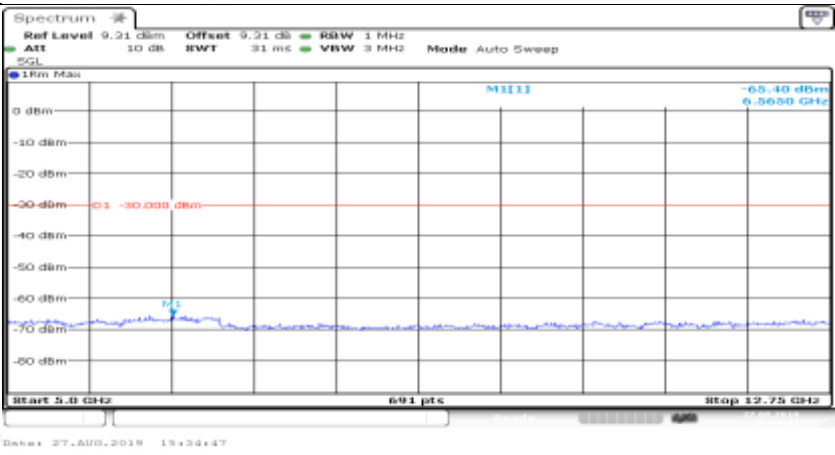
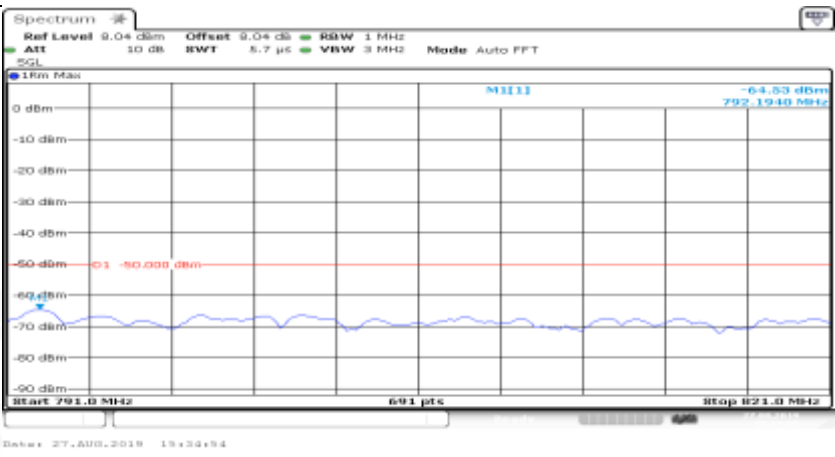


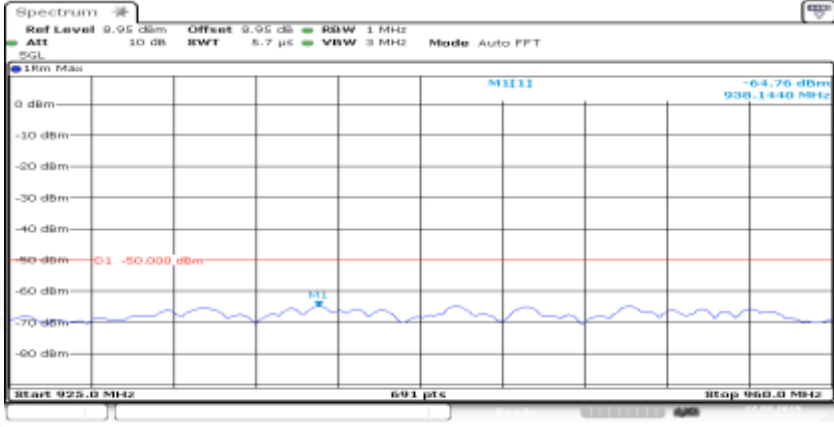


Co-existence	
Co-existence	
Additional	NA

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

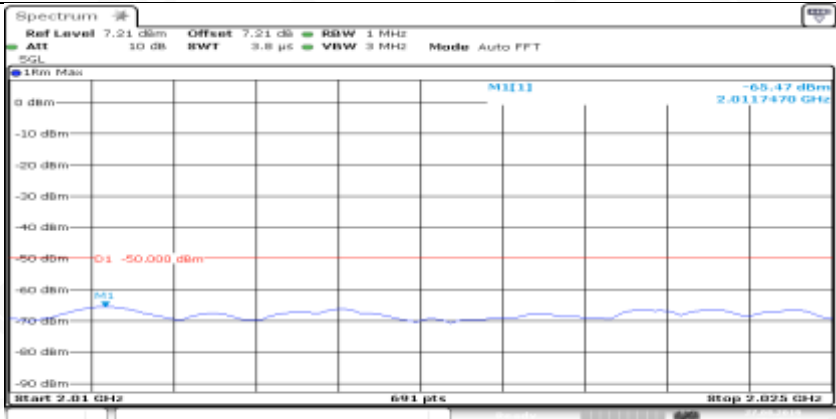

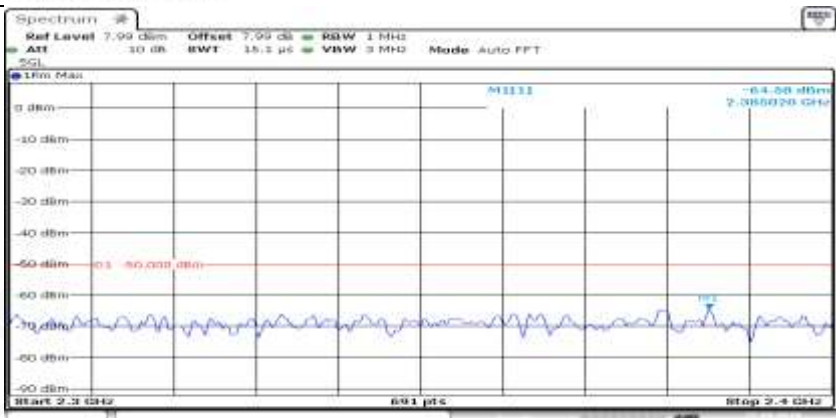
General	
General	
General	



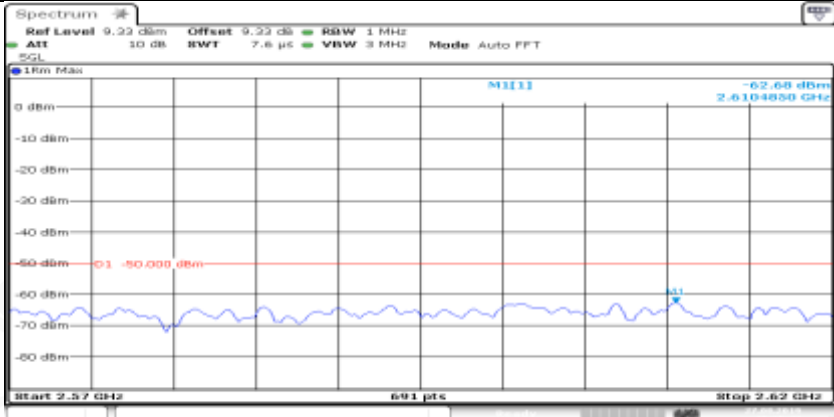
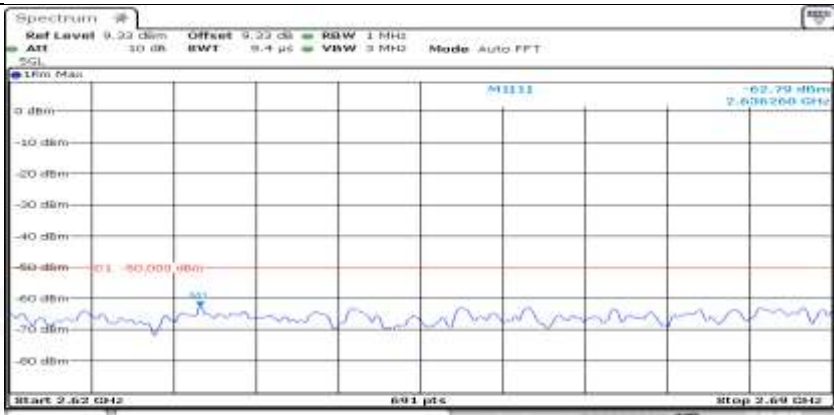

General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

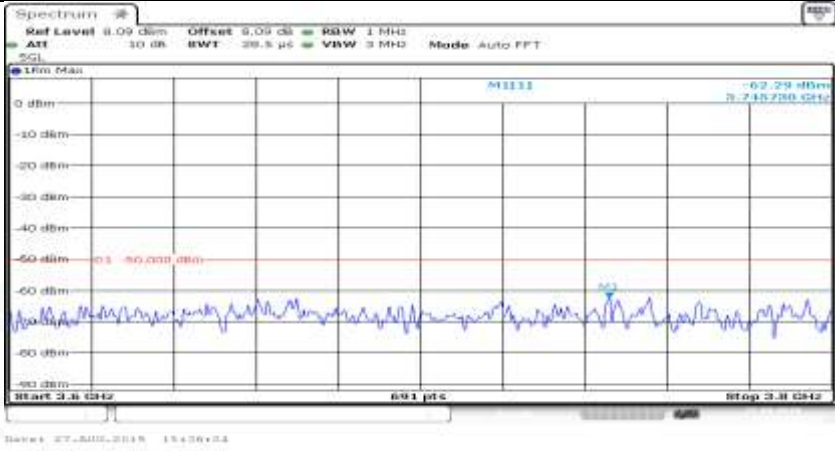


Co-existence	
Co-existence	
Co-existence	

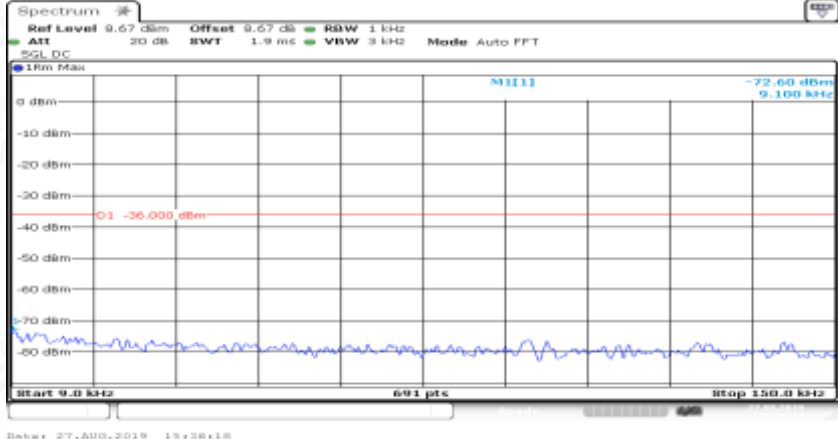
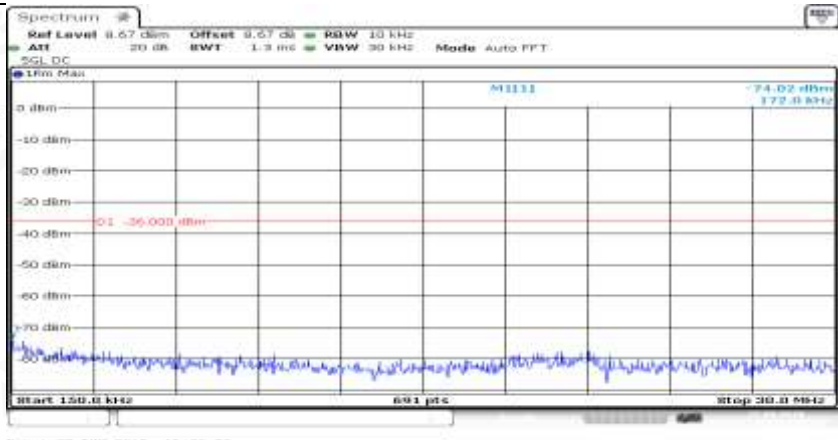


Co-existence	
Co-existence	
Co-existence	



Co-existence	
Additional	NA

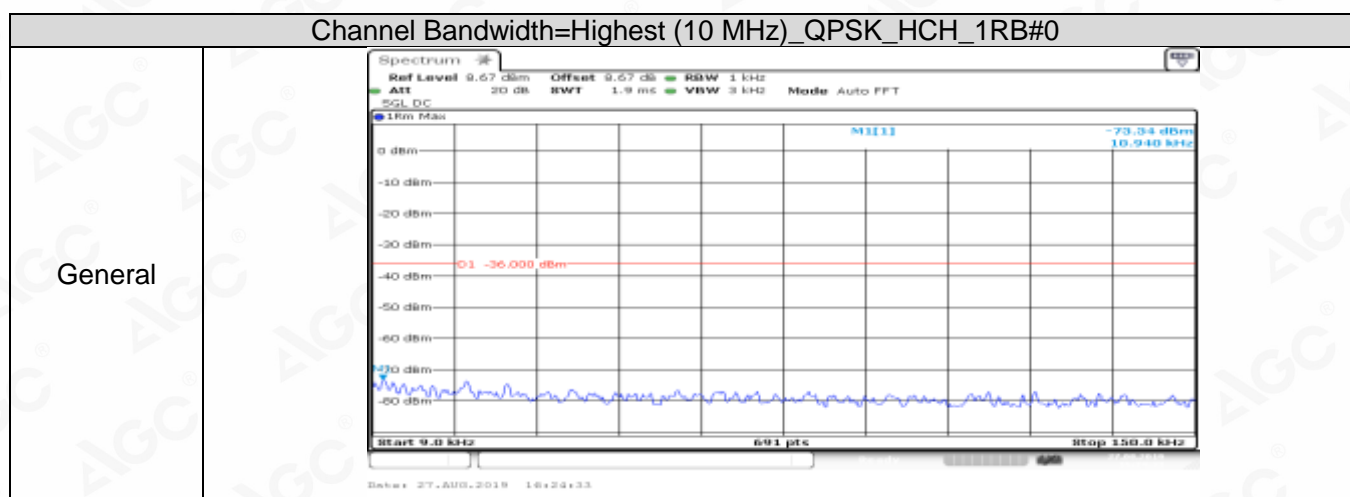
Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_FullRB#0

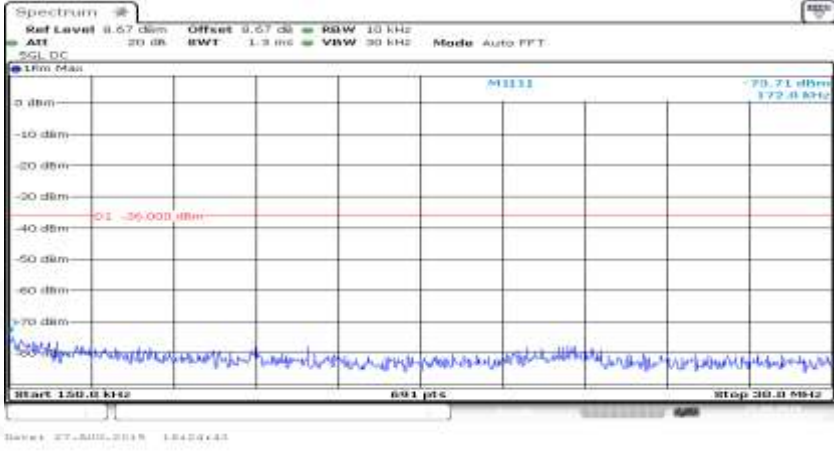
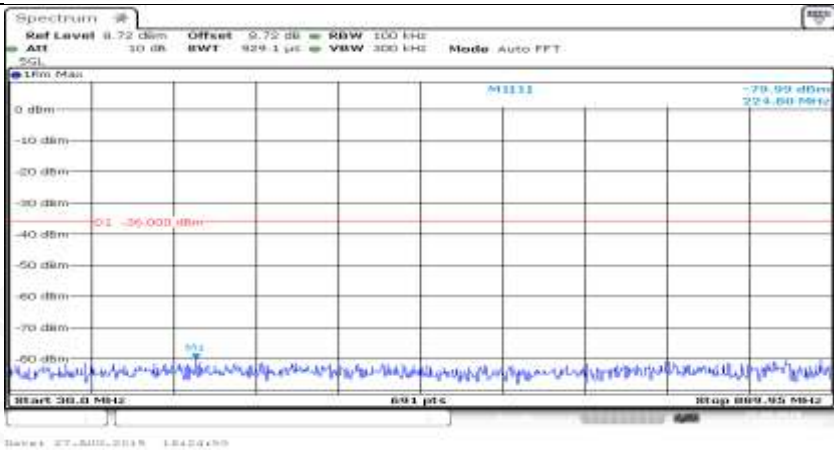
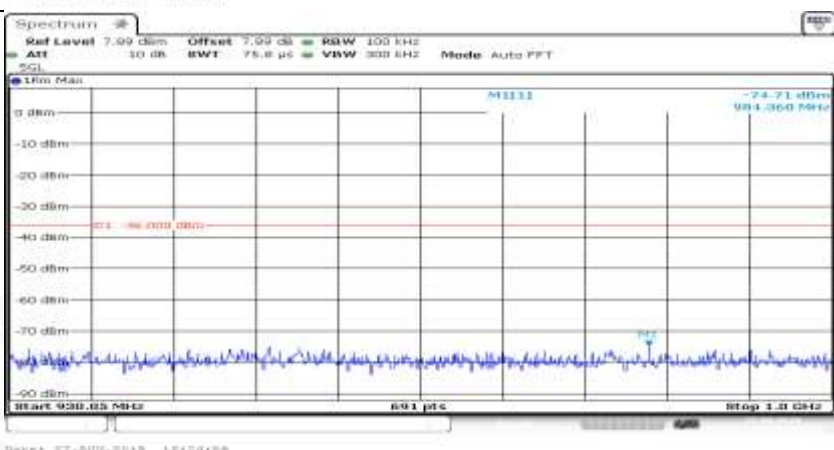
General	
General	

General	
General	#BWH-Img-QPSK-MCH-F-L-Txcse-4#
General	#BWH-Img-QPSK-MCH-F-L-Txcse-5#
General	#BWH-Img-QPSK-MCH-F-L-Txcse-6#
Co-existence	#BWH-Img-QPSK-MCH-F-L-Txcse-7#
Co-existence	#BWH-Img-QPSK-MCH-F-L-Txcse-8#
Co-existence	#BWH-Img-QPSK-MCH-F-L-Txcse-9#

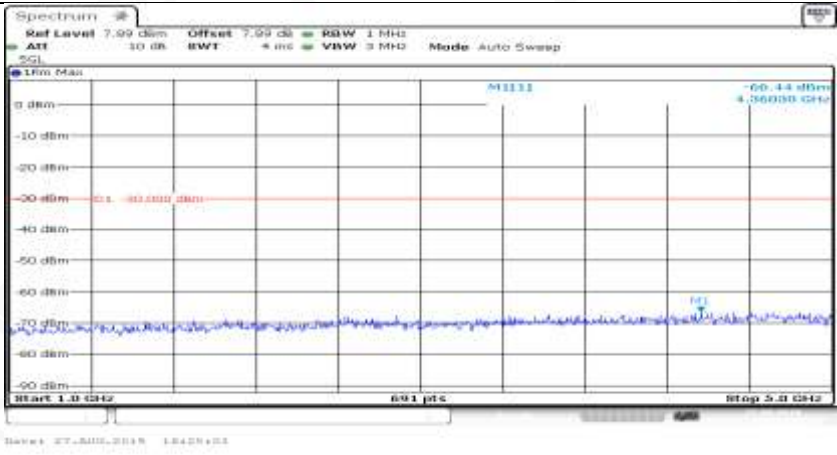
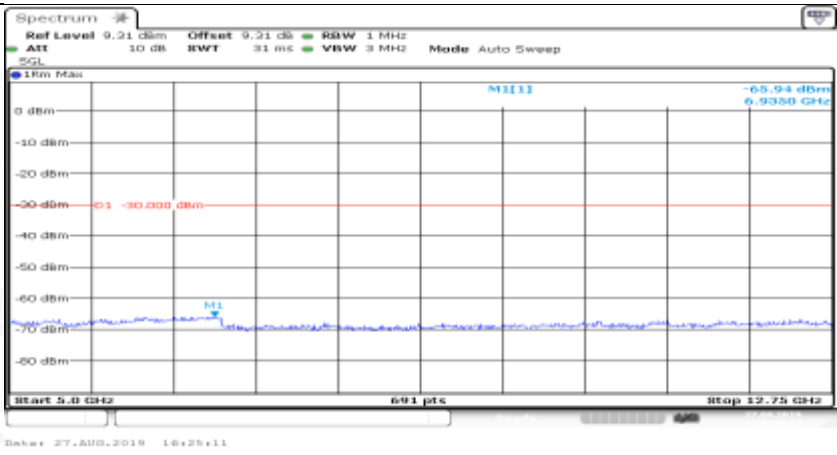
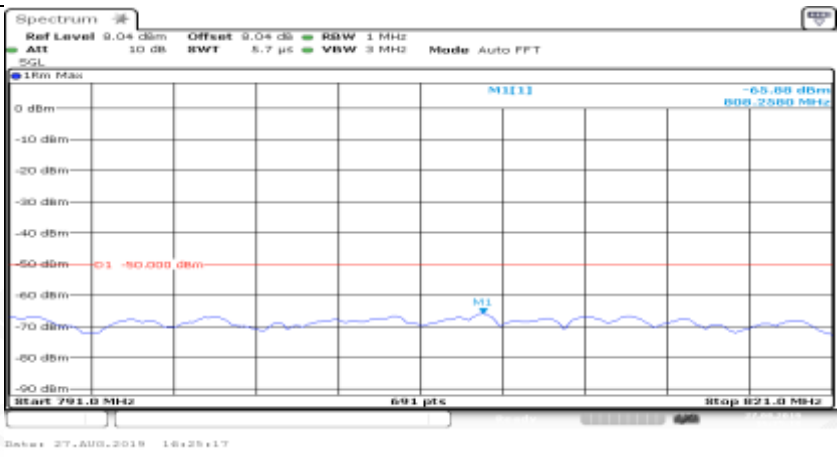
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-10#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-11#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-12#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-13#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-14#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-15#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-16#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-17#
Co-existence	#BWH-lmg-QPSK-MCH-F-L-Txcse-18#

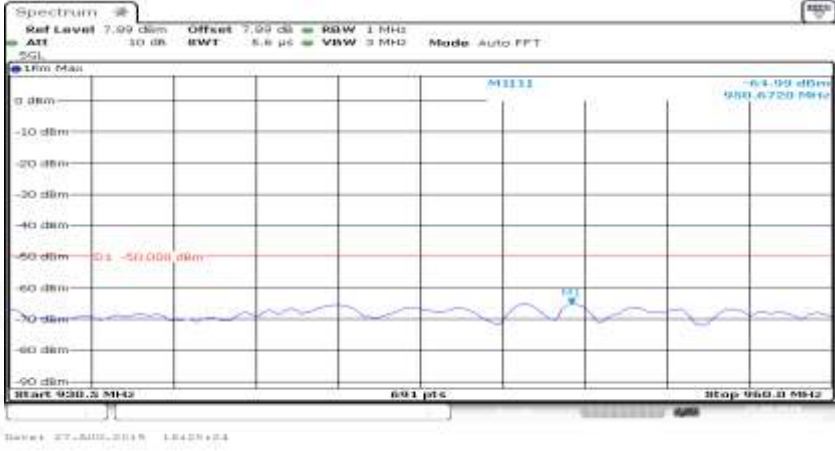
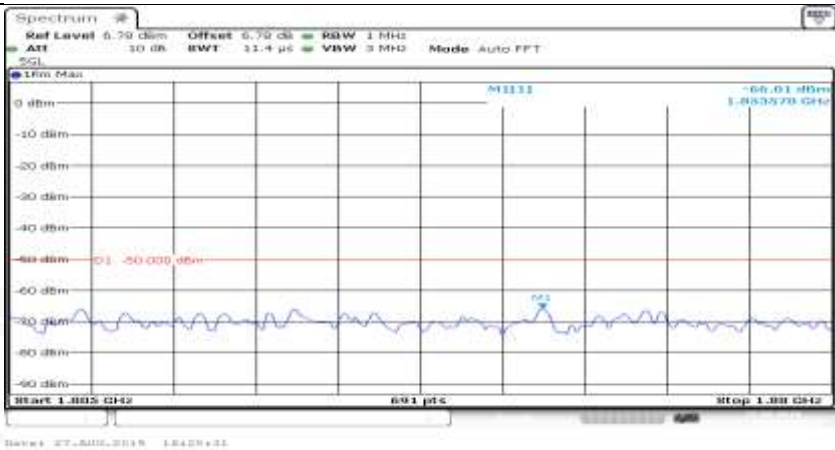
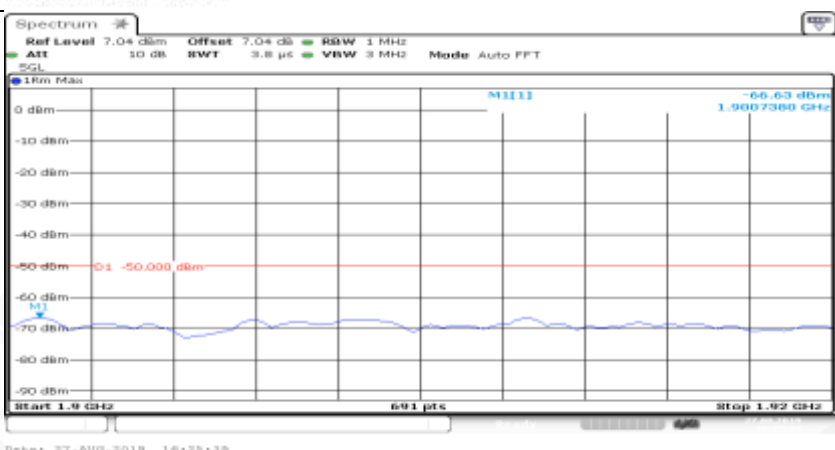
Co-existence	#BWH-Img-QPSK-MCH-F-L-Txcse-19#
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Co-existence	#BWH-Img-QPSK-MCH-F-L-Txcse-21#
Co-existence	#BWH-Img-QPSK-MCH-F-L-Txcse-22#
Additional	NA

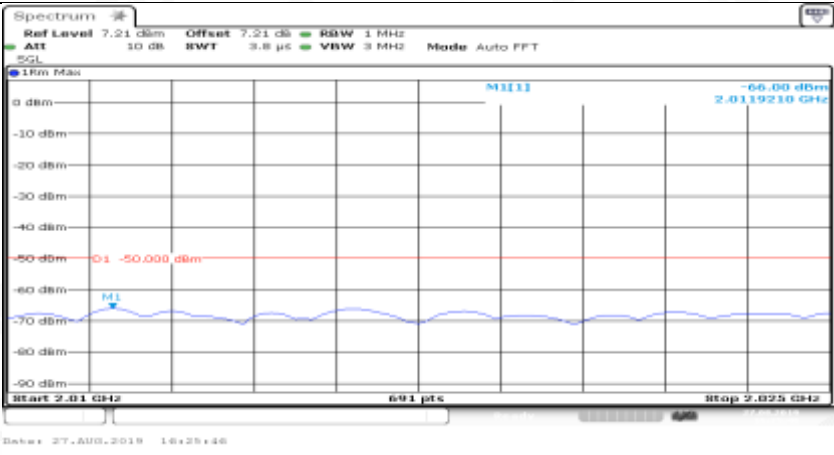

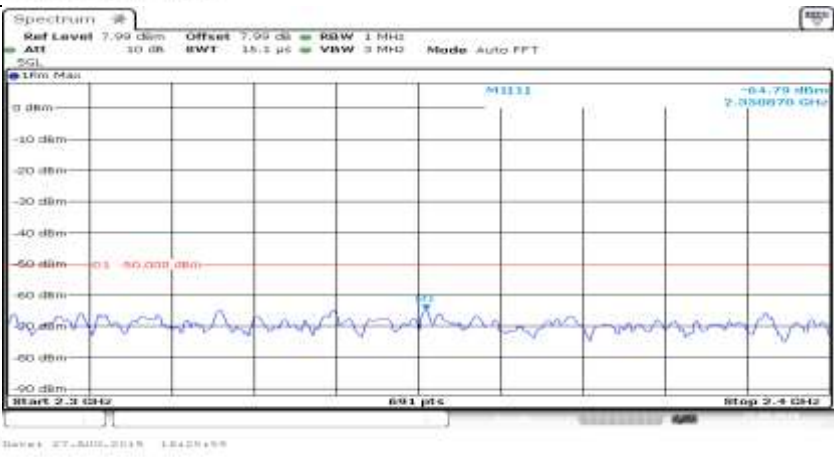


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General	
General	

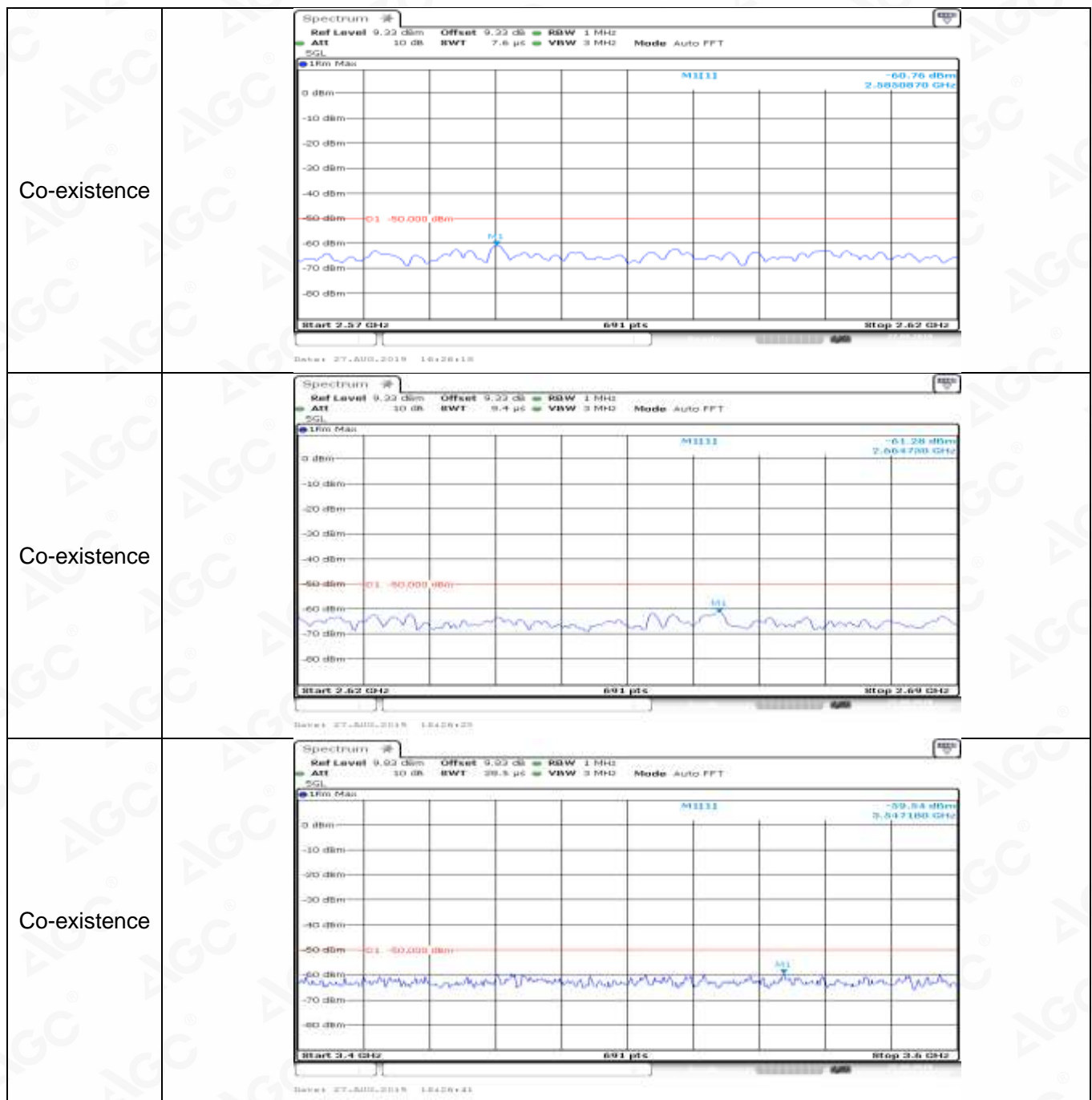


General	
General	
Co-existence	

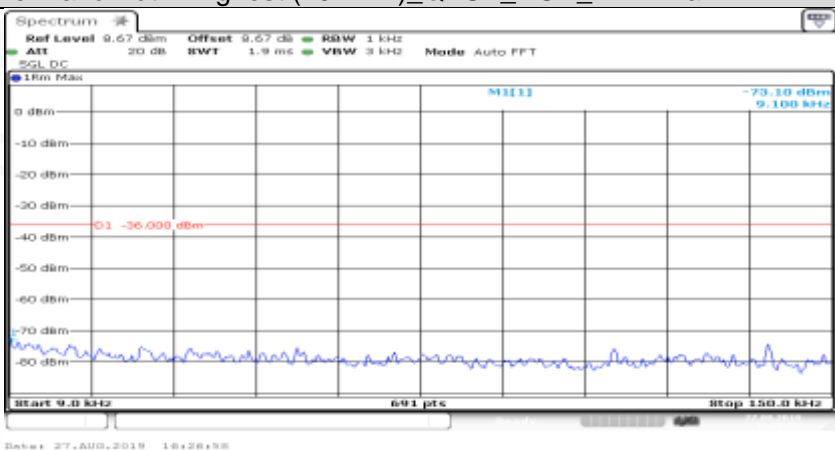
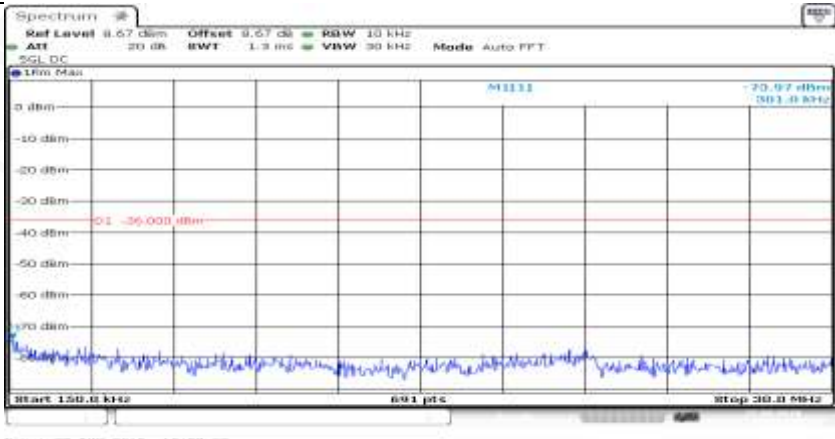
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Co-existence	
Co-existence	

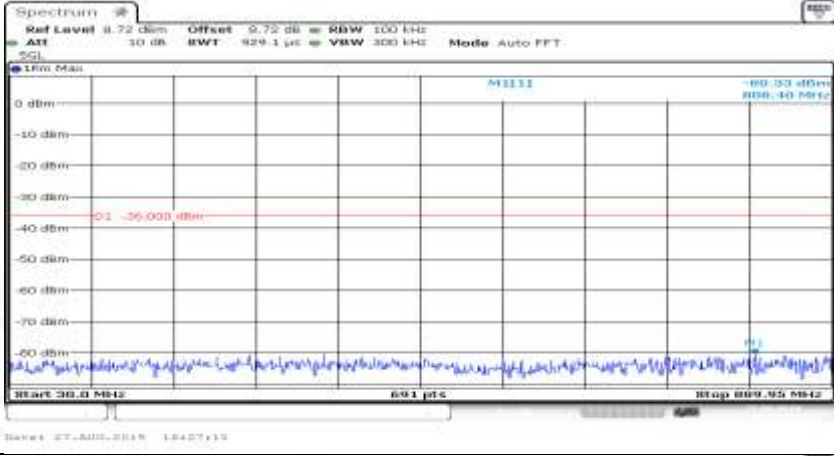
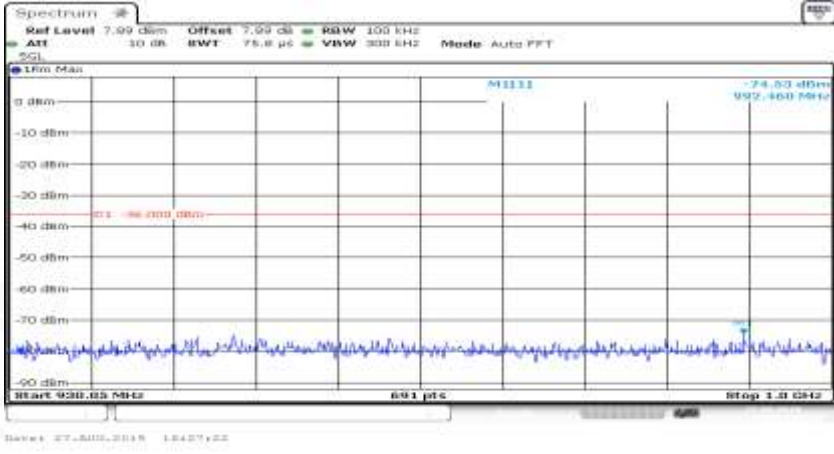
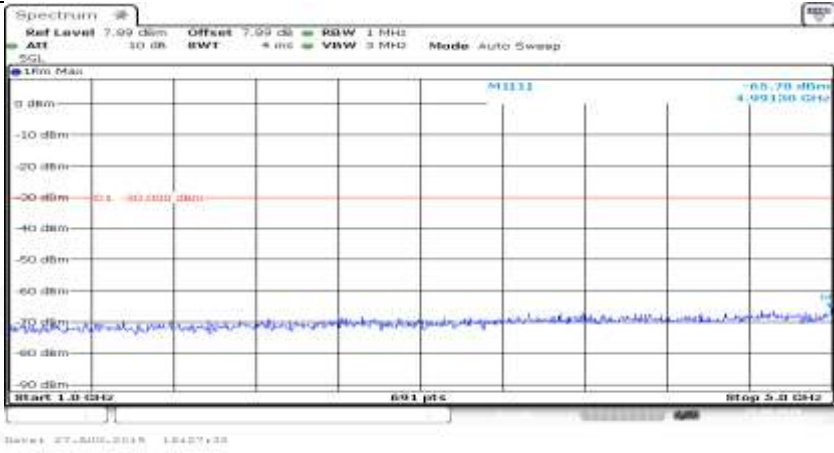
Co-existence	
Co-existence	
Co-existence	



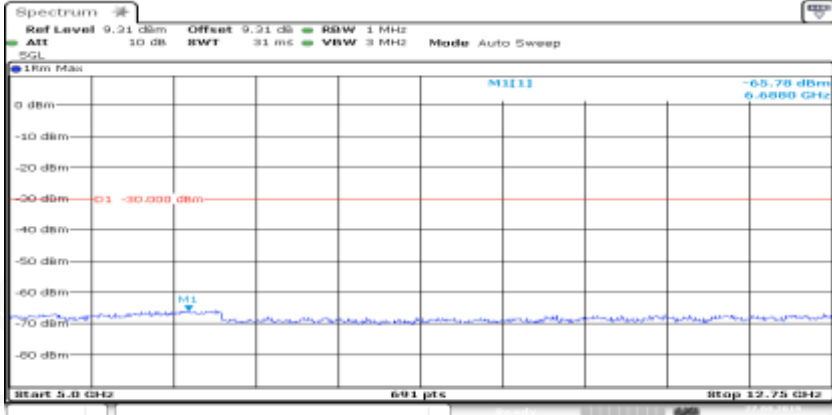
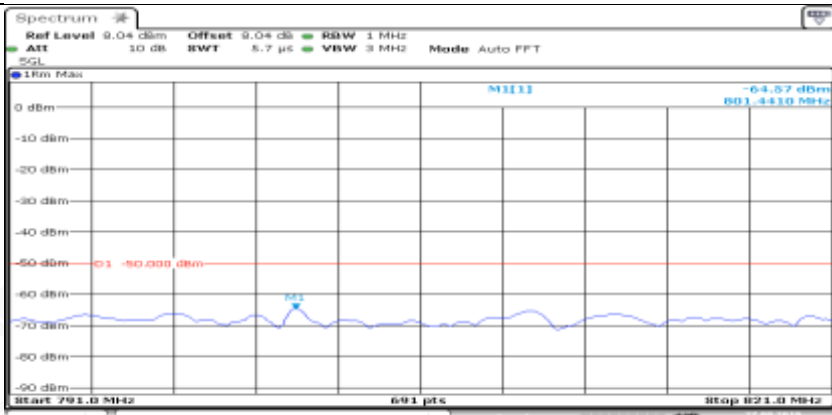
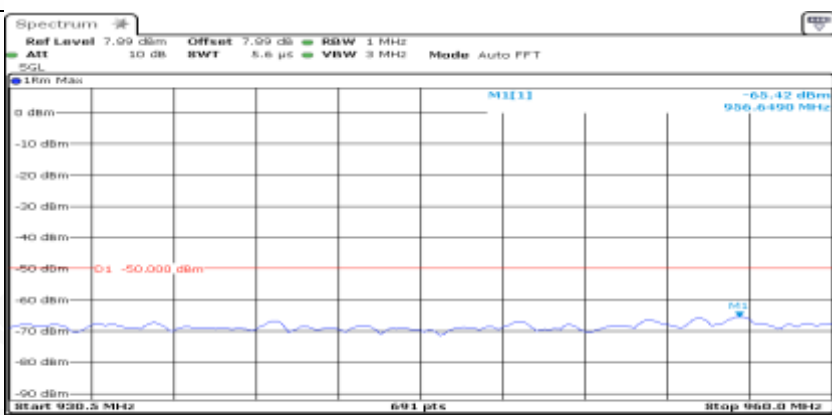



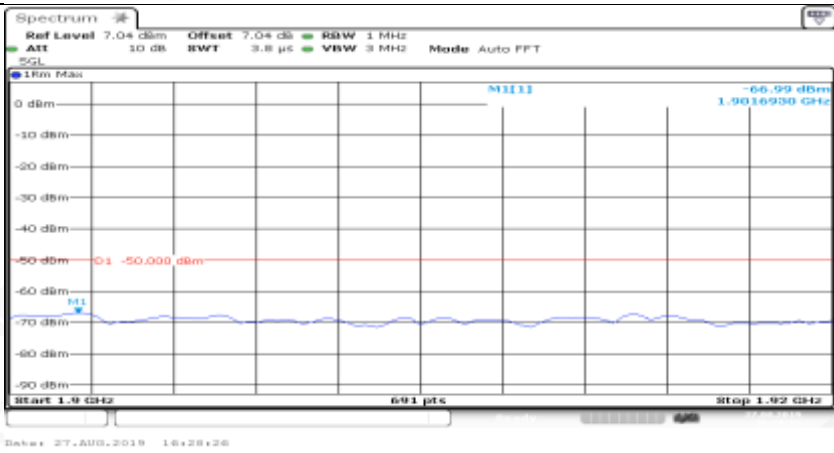
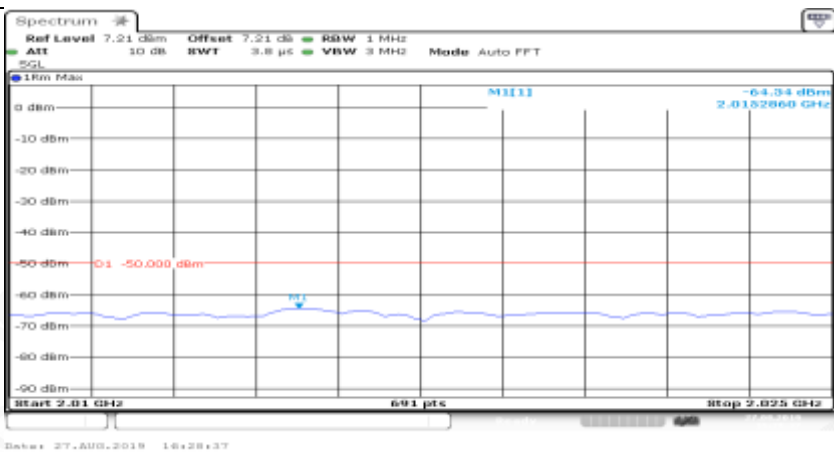
Co-existence	
Additional	NA

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


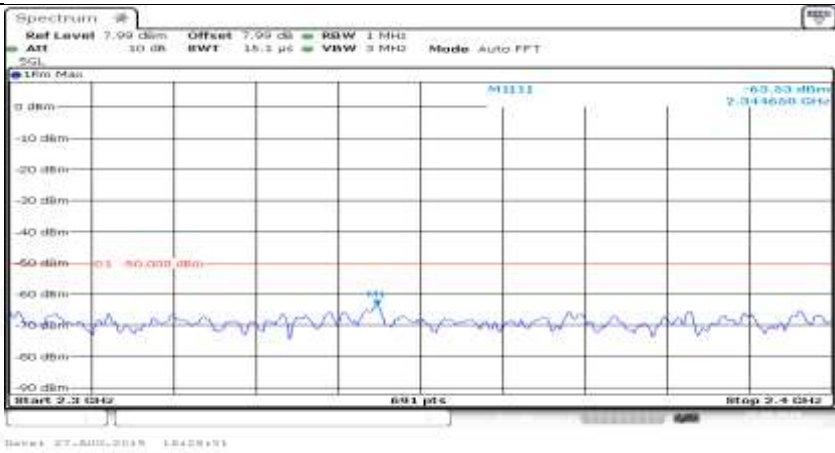
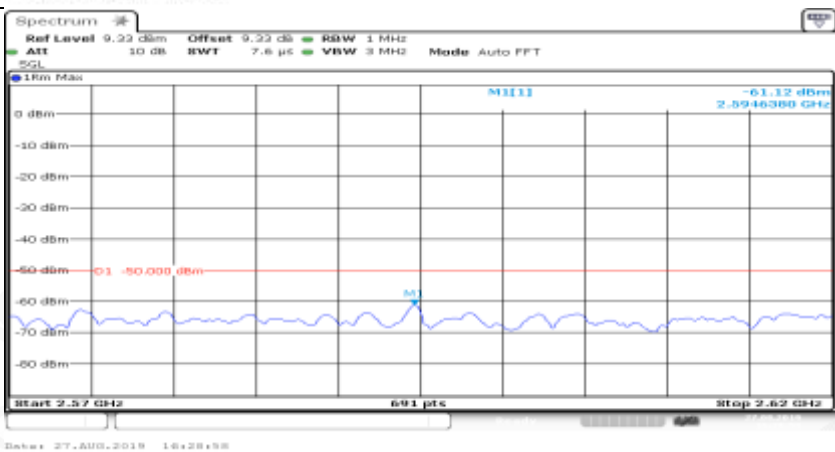
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General	

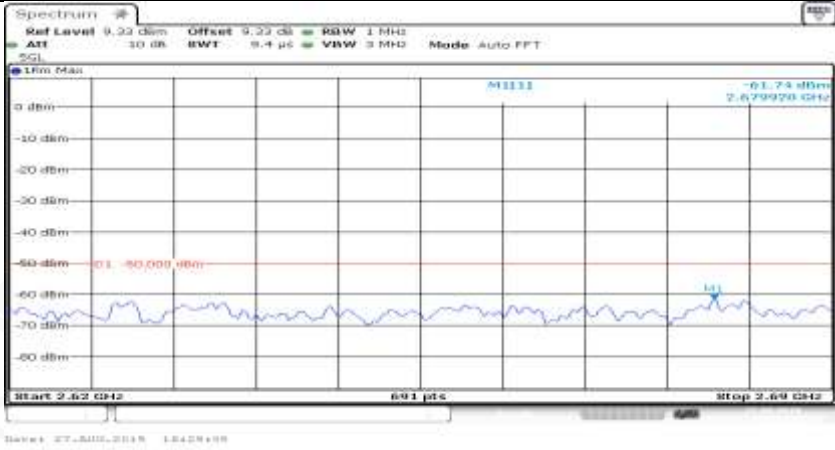
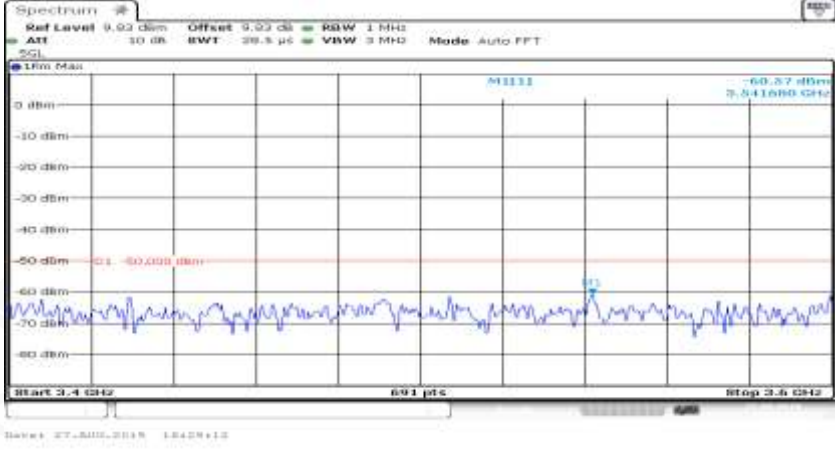



General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz ATT 10 dB BW 31 MHz VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>M111 -65.78 dBm 6.6880 GHz</p> <p>-30 dBm -30.000 dBm</p> <p>M1</p> <p>Start 5.0 GHz 691 pts Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 16:27:49</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz ATT 10 dB BW 5.7 MHz VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -64.57 dBm 801.4410 MHz</p> <p>-30 dBm -30.000 dBm</p> <p>M1</p> <p>Start 791.0 MHz 691 pts Stop 821.0 MHz</p> <p>Date: 27.AUG.2019 16:27:54</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz ATT 10 dB BW 5.6 MHz VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -65.42 dBm 956.6490 MHz</p> <p>-30 dBm -30.000 dBm</p> <p>M1</p> <p>Start 920.5 MHz 691 pts Stop 960.0 MHz</p> <p>Date: 27.AUG.2019 16:28:10</p>

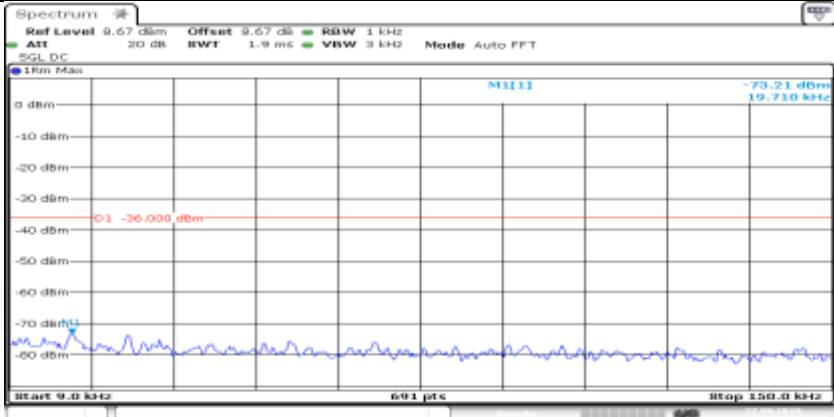
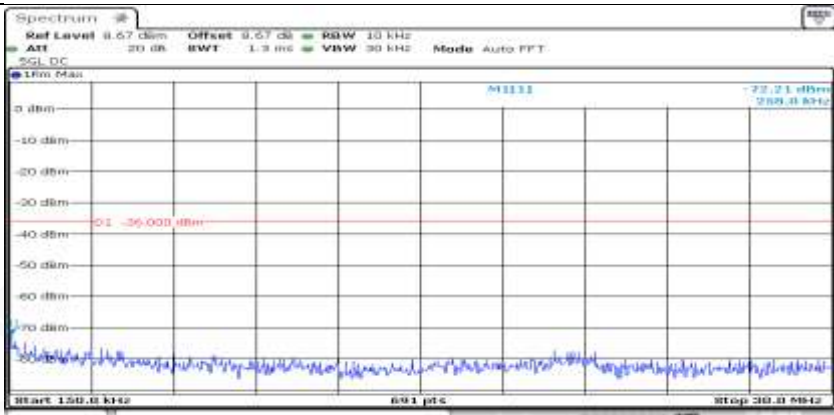
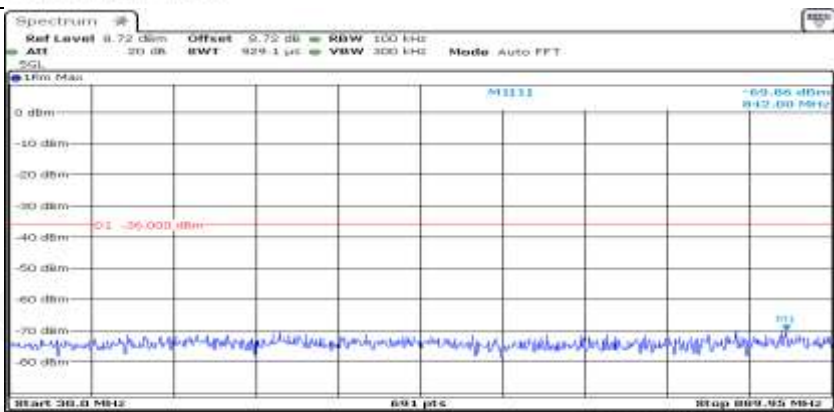
Co-existence	
Co-existence	
Co-existence	



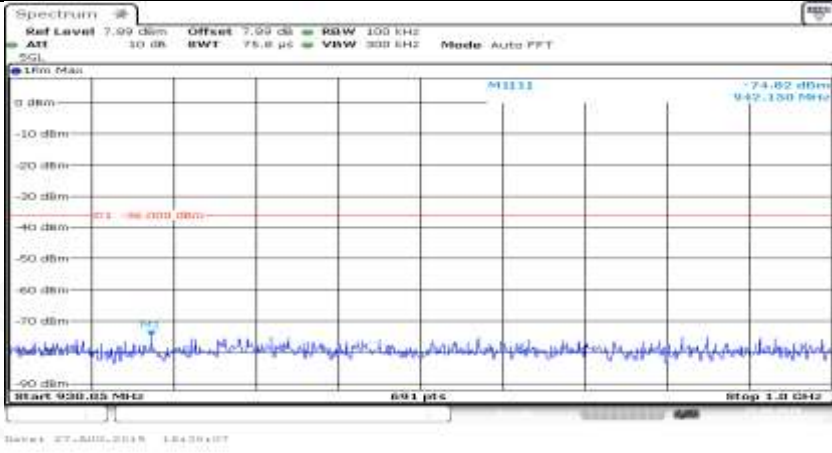
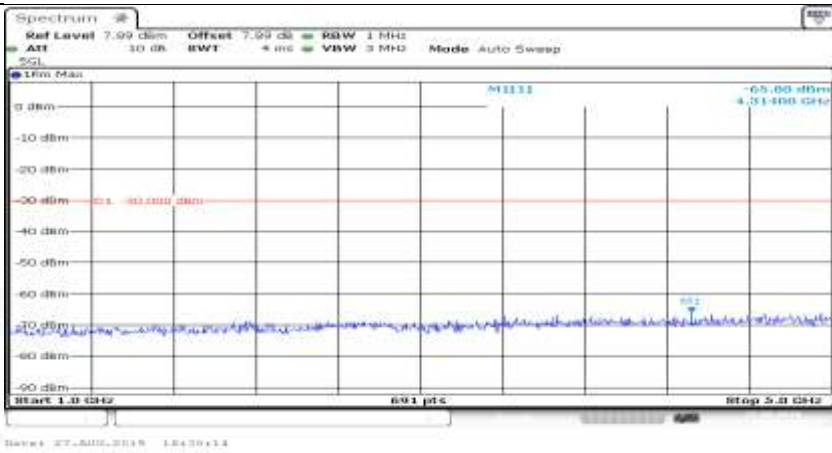
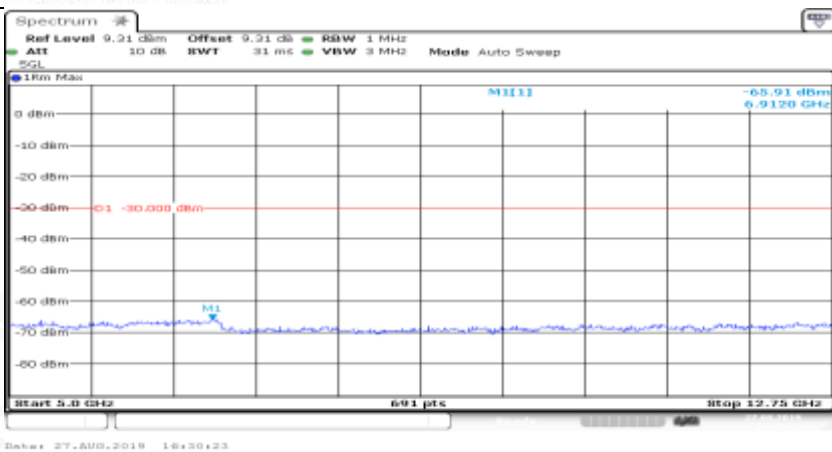
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA

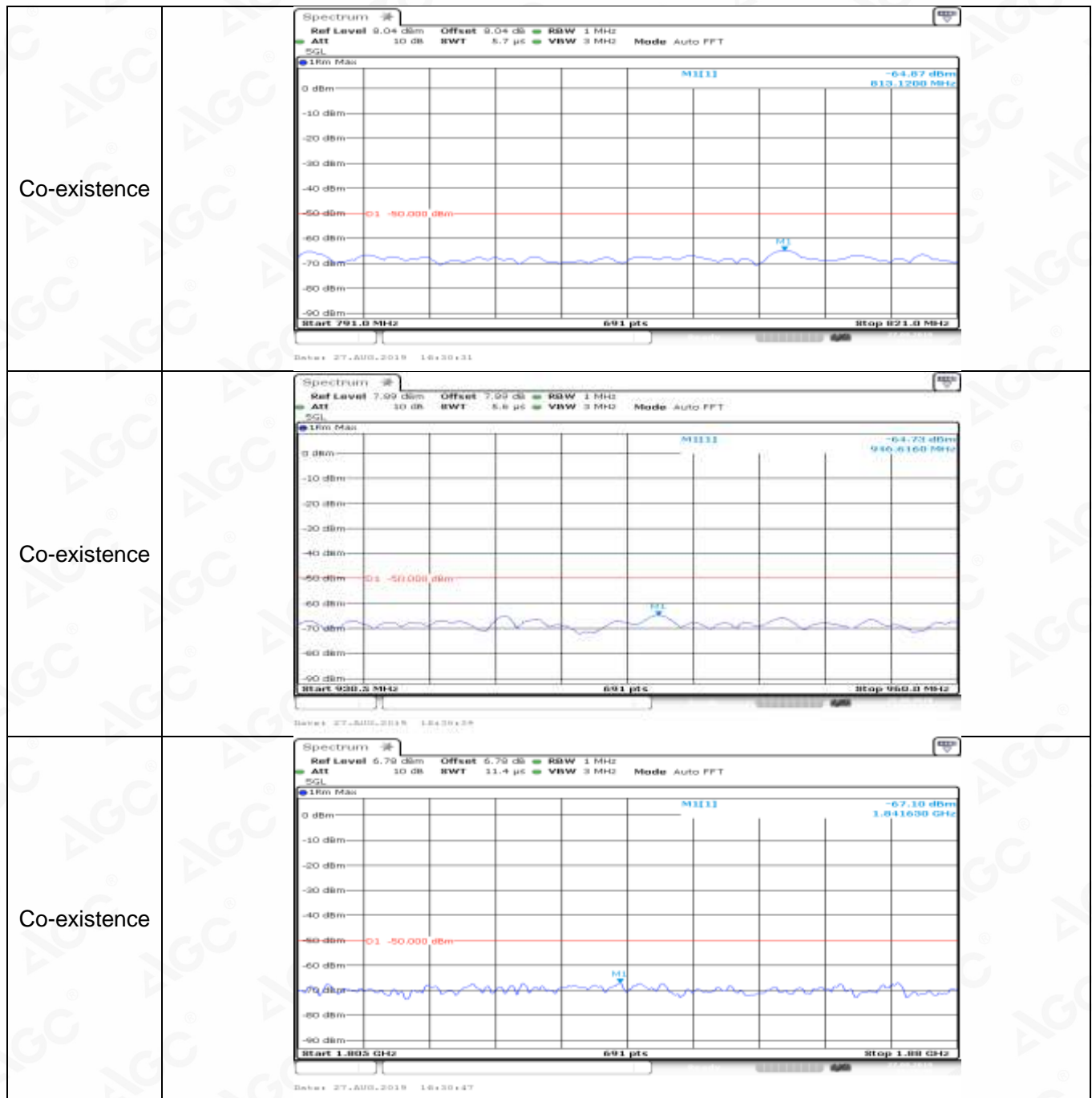
Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_FullRB#0

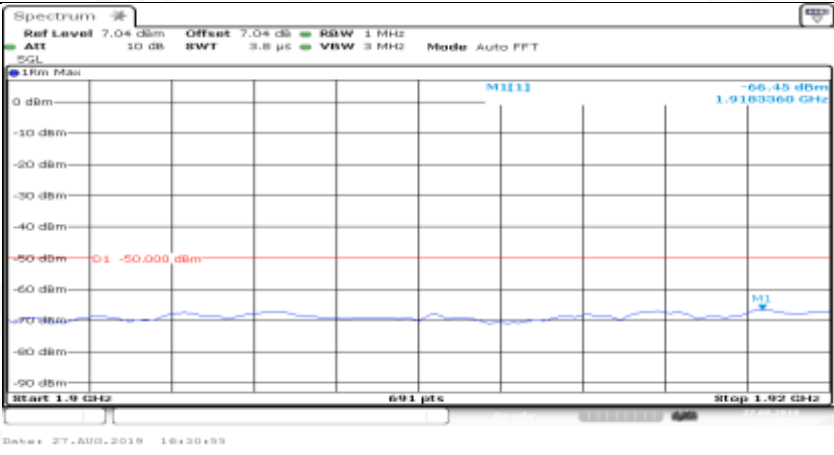
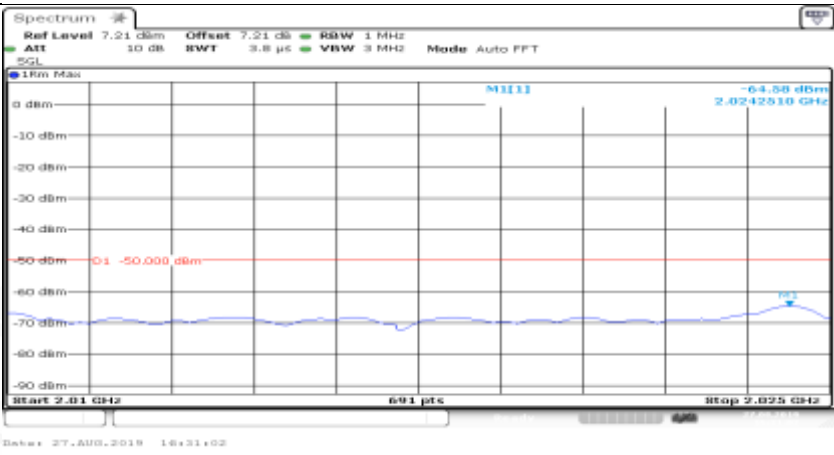

General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 1 kHz ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC 1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>-36.000 dBm</p> <p>Start 9.0 kHz Stop 150.0 kHz</p> <p>691 pts</p> <p>Date: 27.AUG.2018 16:29:33</p>
General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 10 kHz ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC 1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>-36.000 dBm</p> <p>Start 150.0 kHz Stop 200.0 MHz</p> <p>691 pts</p> <p>Date: 27.AUG.2018 16:29:47</p>
General	 <p>Spectrum</p> <p>Ref Level 0.72 dBm Offset 0.72 dB RBW 100 kHz ATT 20 dB BW 929.1 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC 1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>-36.000 dBm</p> <p>Start 200.0 MHz Stop 889.95 MHz</p> <p>691 pts</p> <p>Date: 27.AUG.2018 16:29:56</p>



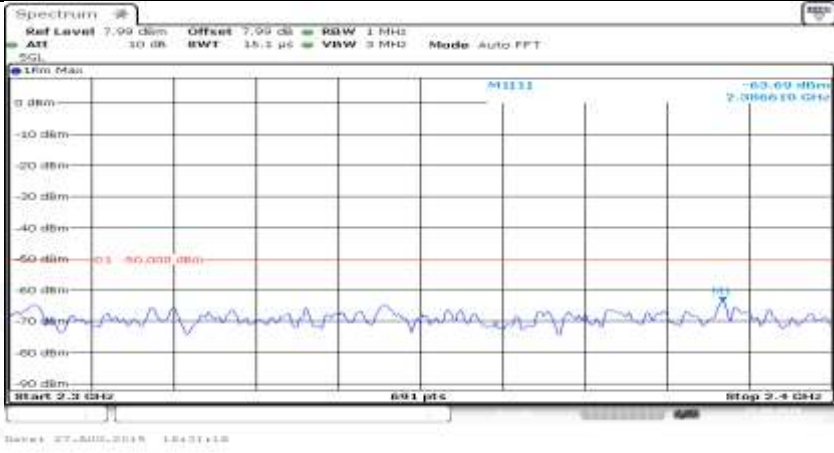
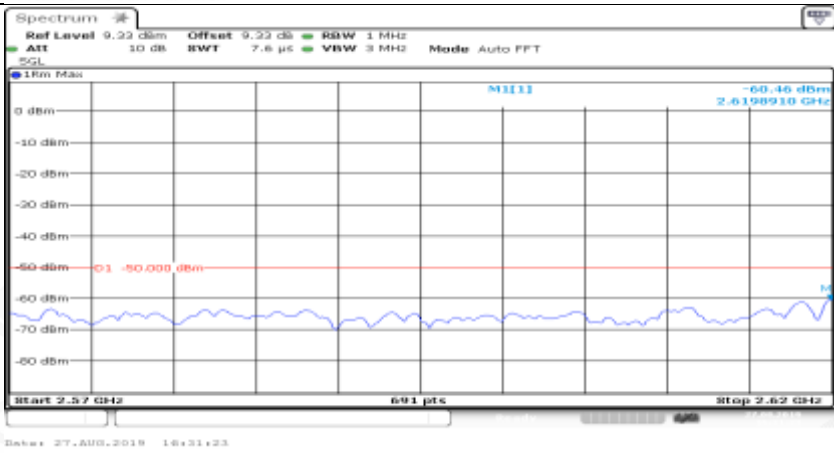
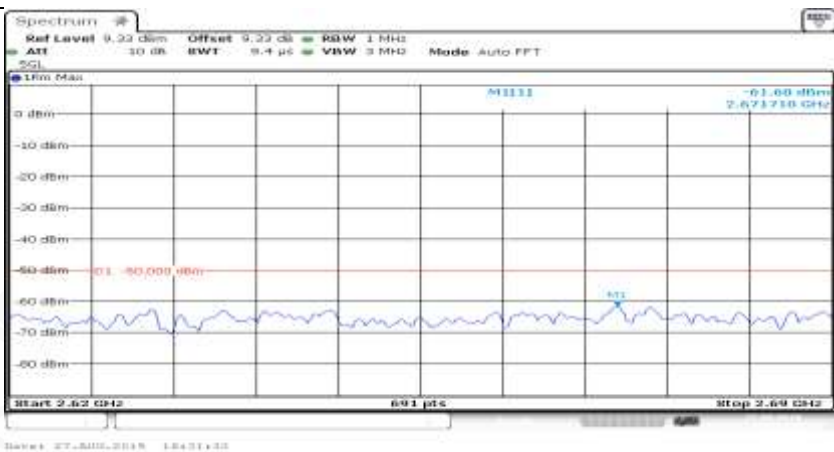
General	
General	
General	



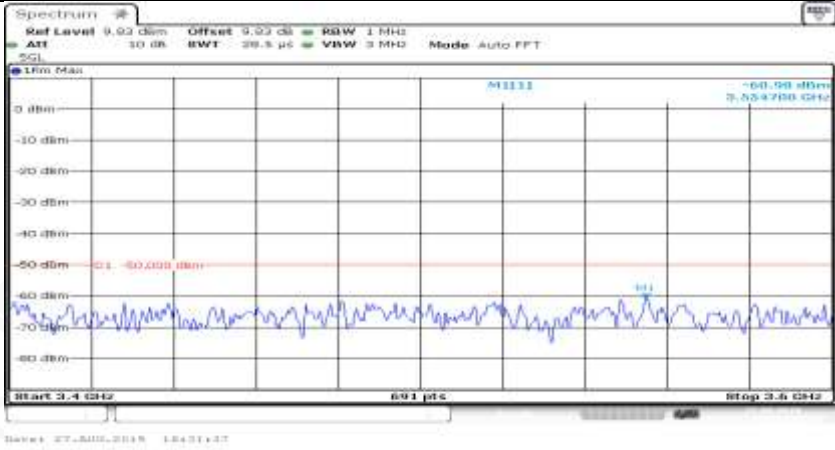
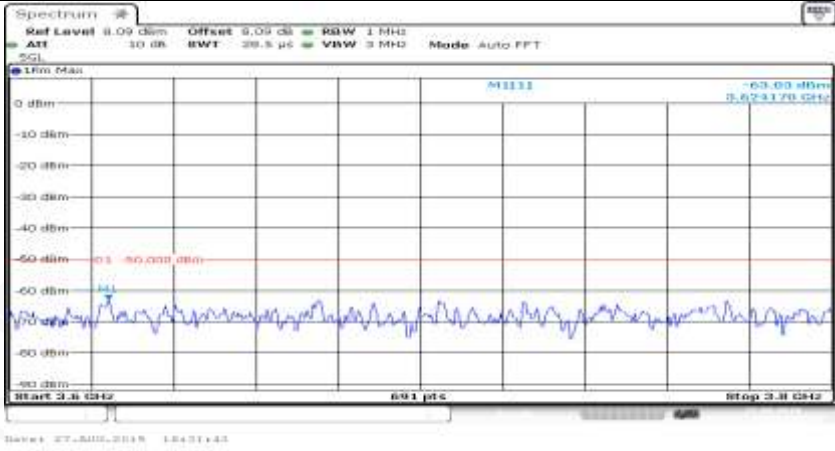


Co-existence	
Co-existence	
Co-existence	



Co-existence	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz</p> <p>ATT 10 dB BW 15.1 µs VBW 3 MHz Mode Auto FFT</p> <p>Start 2.3 GHz Stop 2.4 GHz</p> <p>Peak: -63.69 dBm 2.386610 GHz</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BW 7.6 µs VBW 3 MHz Mode Auto FFT</p> <p>Start 2.57 GHz Stop 2.62 GHz</p> <p>Peak: -60.46 dBm 2.6198910 GHz</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BW 9.4 µs VBW 3 MHz Mode Auto FFT</p> <p>Start 2.62 GHz Stop 2.69 GHz</p> <p>Peak: -61.60 dBm 2.671210 GHz</p>



Co-existence	
Co-existence	
Additional	NA

6. Receiver Spurious Emissions

Test Result

NTNV

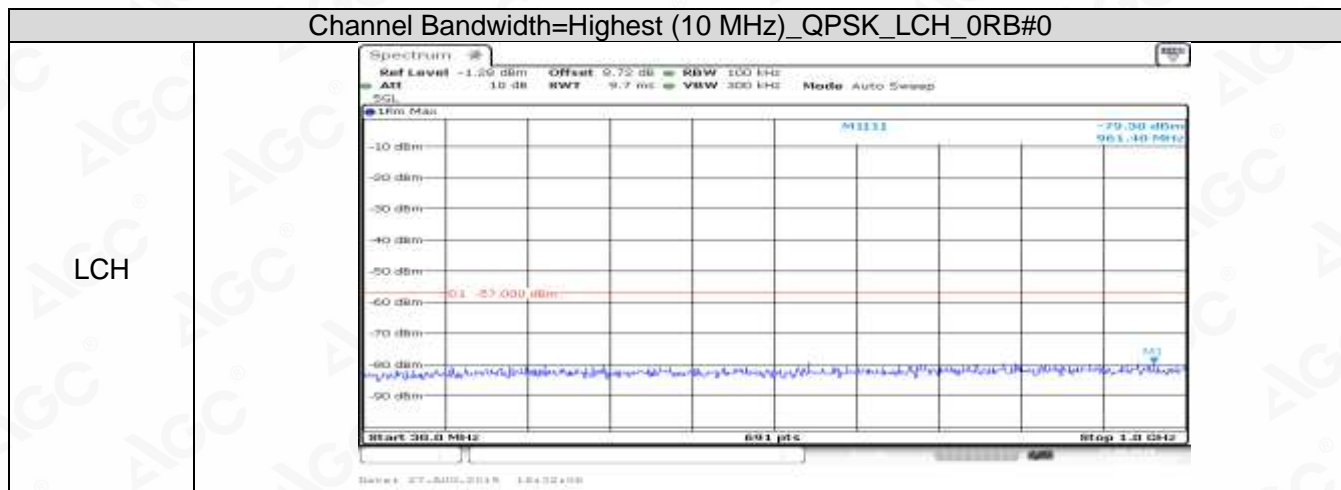
Channel Bandwidth=Highest

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

Test Graphs

NTNV

Channel Bandwidth=Highest



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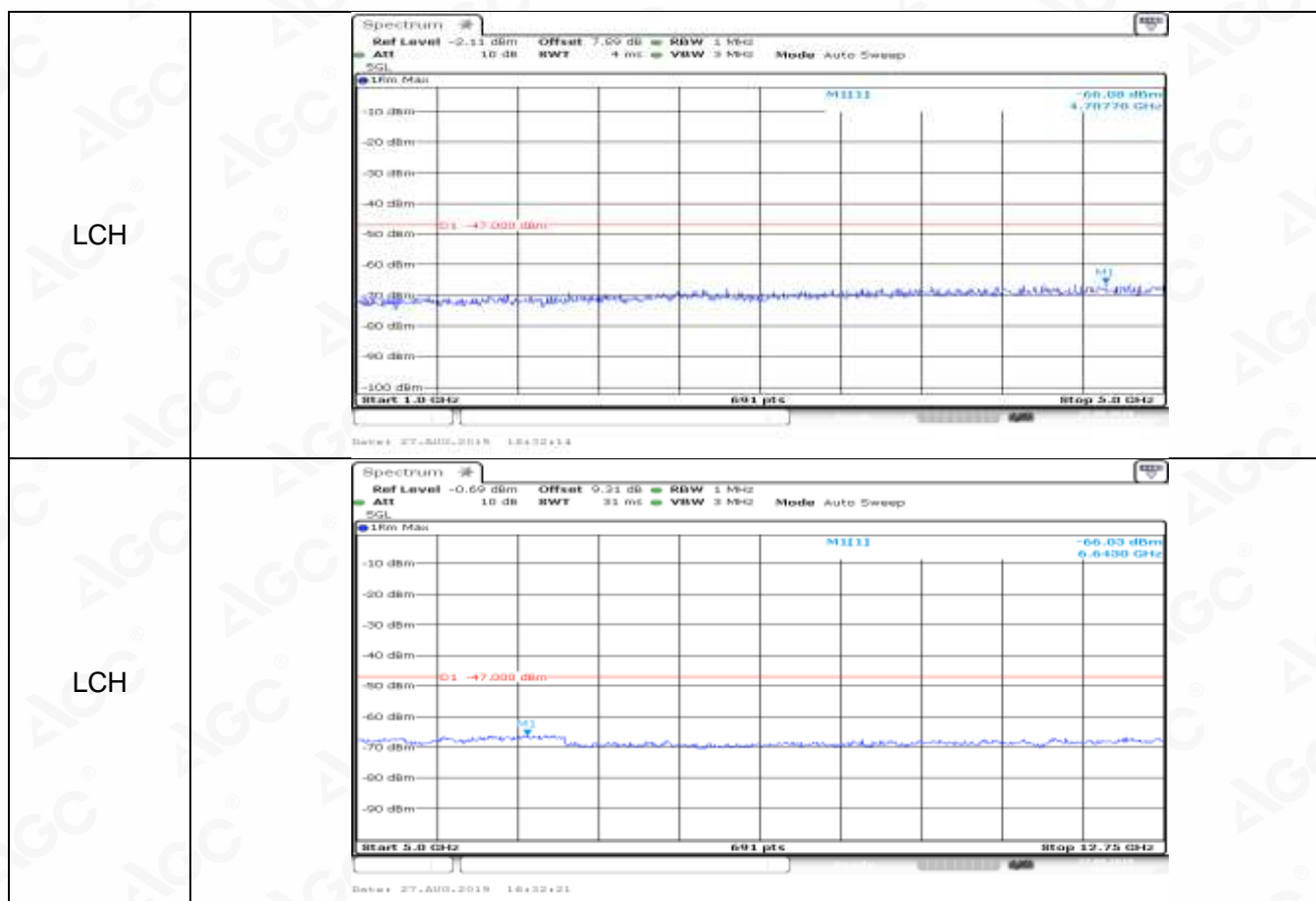
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

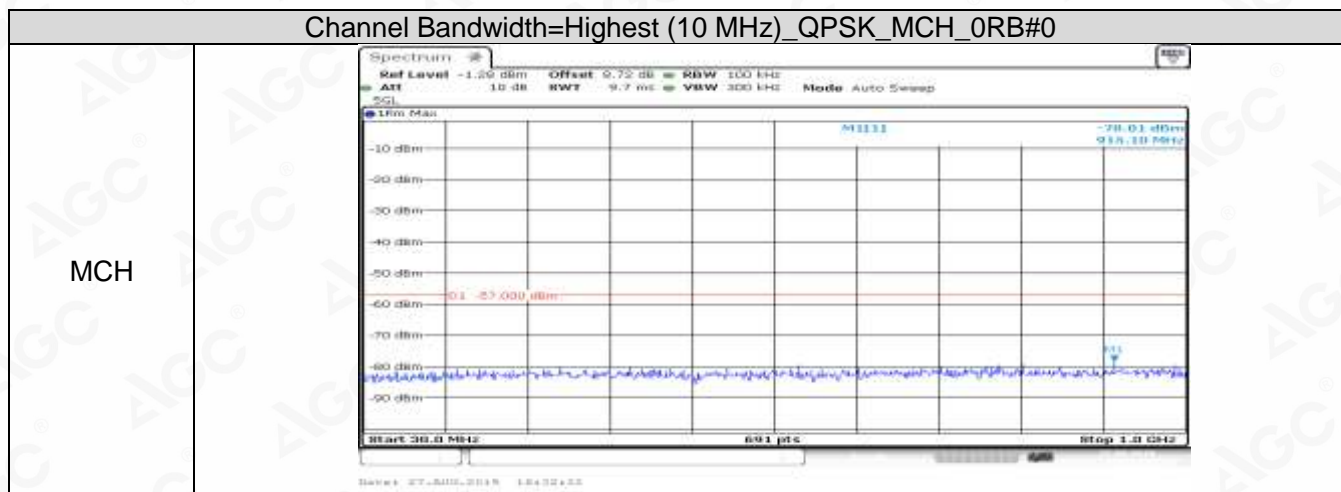
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

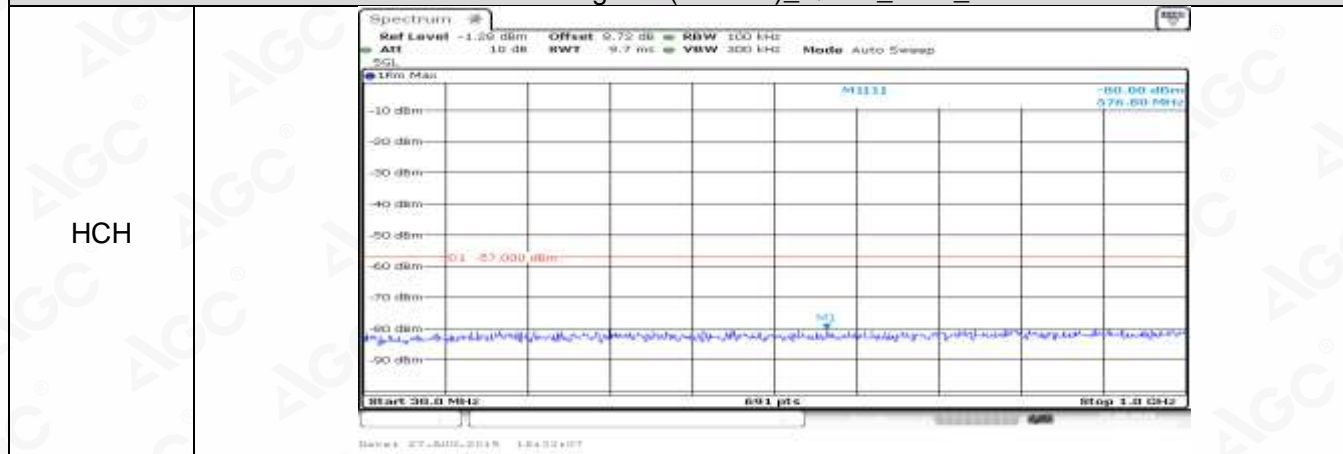


Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_ORB#0





Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_ORB#0





7. Receiver Adjacent Channel Selectivity (ACS)

Test Results

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

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 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				



8. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

Out-of Band Blocking

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

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	NA-L-RB	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	NA-H-RB	≥ 95 %
Verdict	PASS				



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9. Receiver Spurious Response

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



10. Receiver Intermodulation Characteristics

Test Results

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

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



11. Receiver Reference Sensitivity Level

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

Test Results

TNVH

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



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12. Radiated spurious emissions - MS in idle mode

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

Test Result

TNVN

Channel Bandwidth=Highest= (10 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-63.77	-63.62	-63.58
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-60.49	-60.55	-60.49
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-52.58	-52.47	-52.46



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Appendix E for Band 20

1. Transmitter Maximum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	23.41	Pass
					max	23.38	Pass
				Partial	0	23.50	Pass
					max	23.45	Pass
			Mid range	1	0	23.40	Pass
					max	23.40	Pass
				Partial	0	23.40	Pass
					max	23.40	Pass
			High range	1	0	23.37	Pass
					max	23.41	Pass
				Partial	0	23.30	Pass
					max	23.36	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	23.45	Pass
					max	23.40	Pass
				Partial	0	23.40	Pass
					max	23.33	Pass
			Mid range	1	0	23.43	Pass
					max	23.35	Pass
				Partial	0	23.30	Pass
					max	23.41	Pass
			High range	1	0	23.23	Pass
					max	23.29	Pass
				Partial	0	23.30	Pass
					max	23.31	Pass

2. Transmitter Minimum Output Power

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

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-49.84	Pass
			Mid range	Full	0	-50.72	Pass
			High range	Full	0	-50.78	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	-50.67	Pass
			Mid range	Full	0	-50.67	Pass
			High range	Full	0	-50.61	Pass



3. Transmitter Spectrum Emission Mask

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (20MHz)							
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



Attestation of Global Compliance

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

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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

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

Channel Bandwidth=Highest (20 MHz)

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

Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)

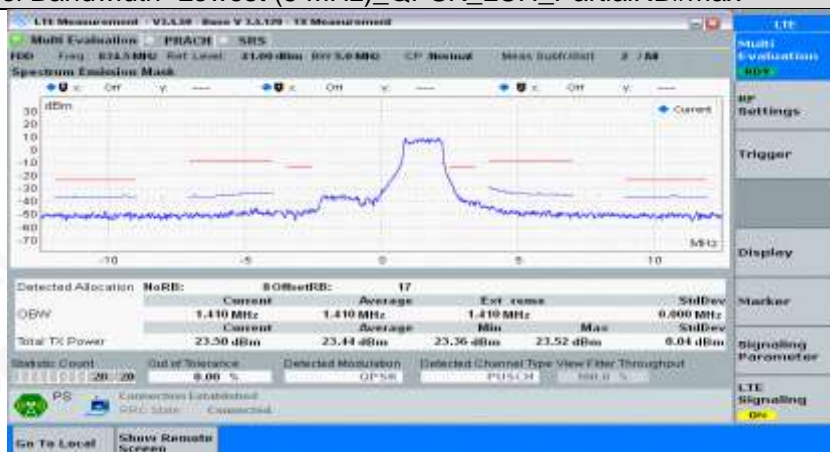
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

QPSK



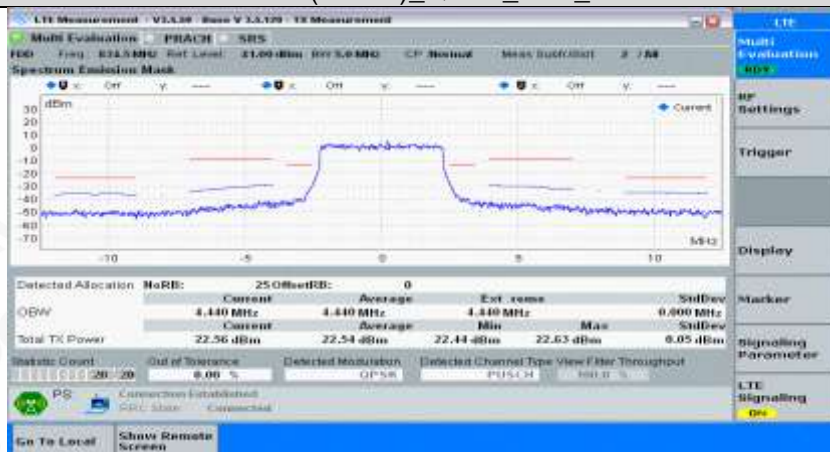
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max

QPSK


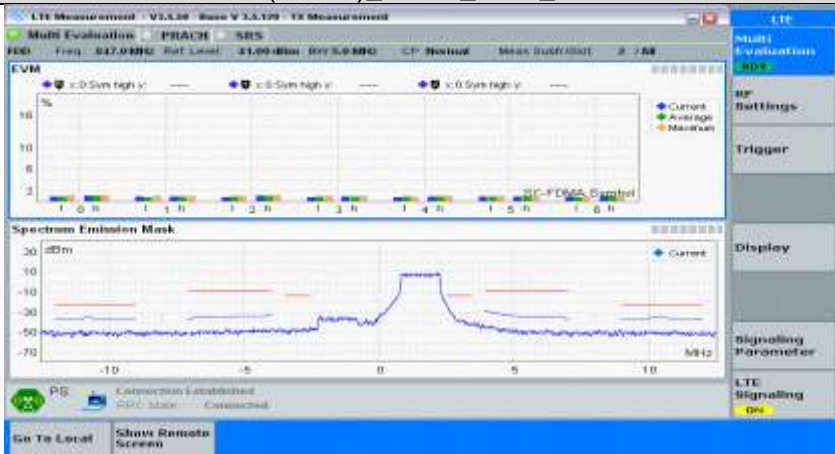
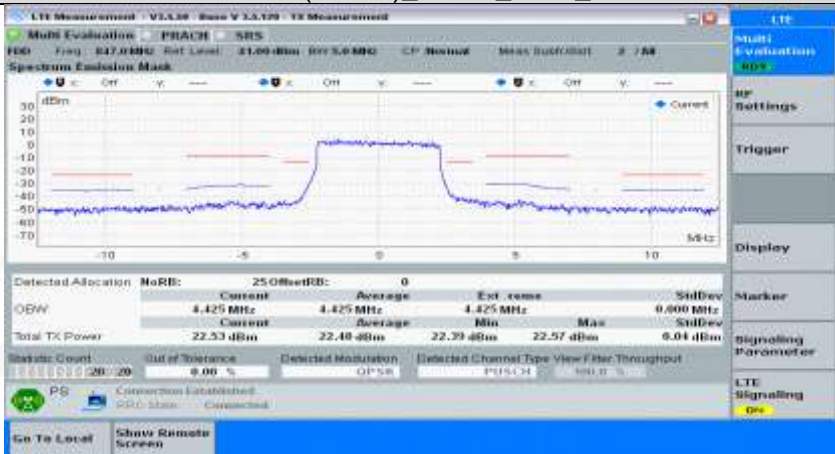


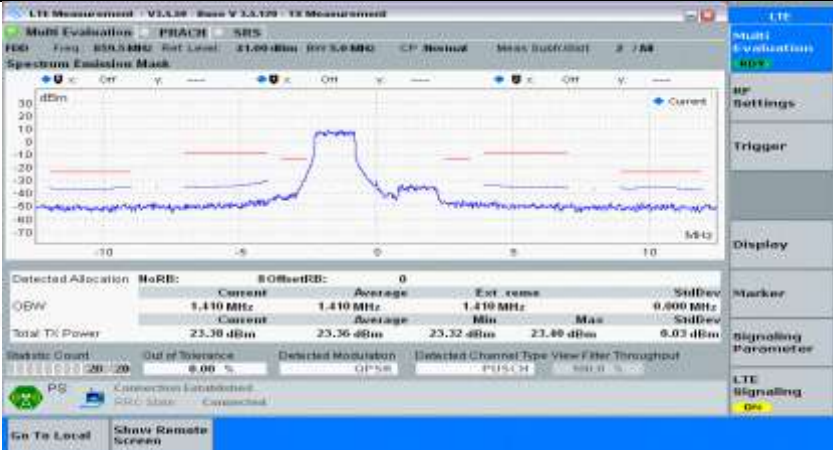
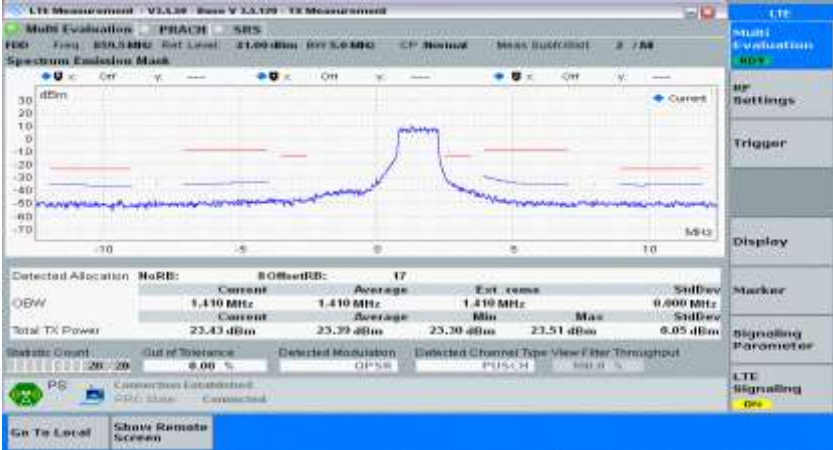
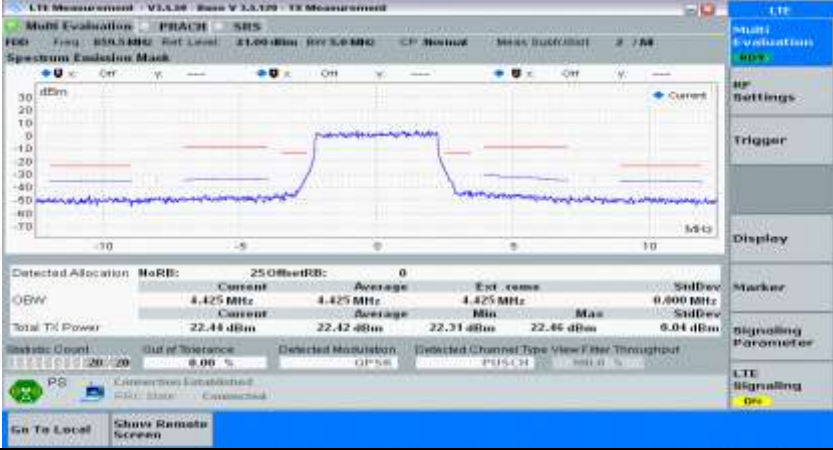
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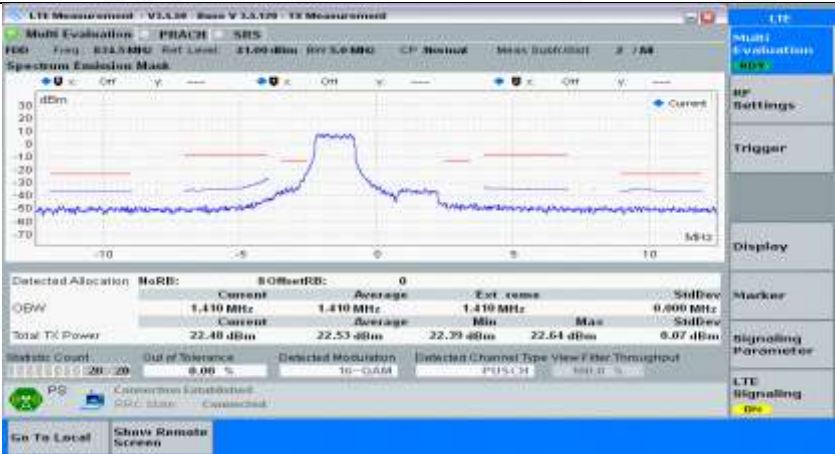
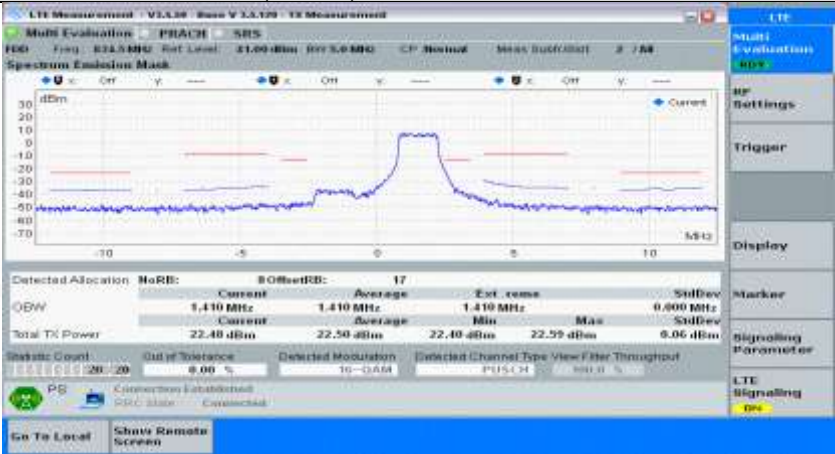
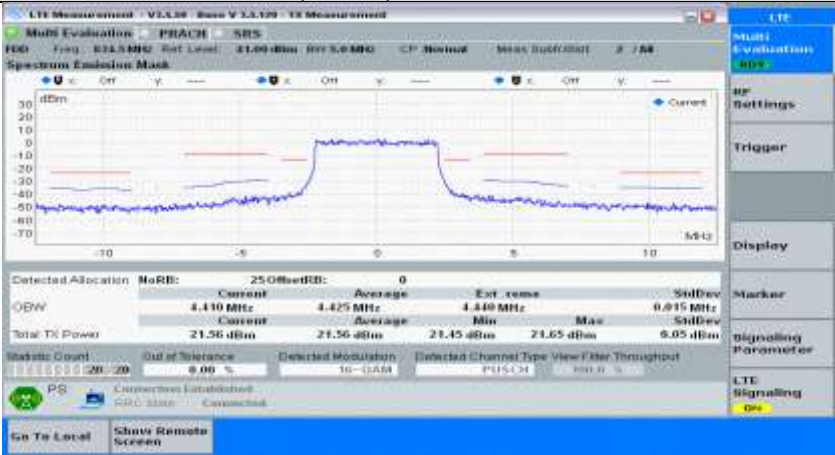
QPSK

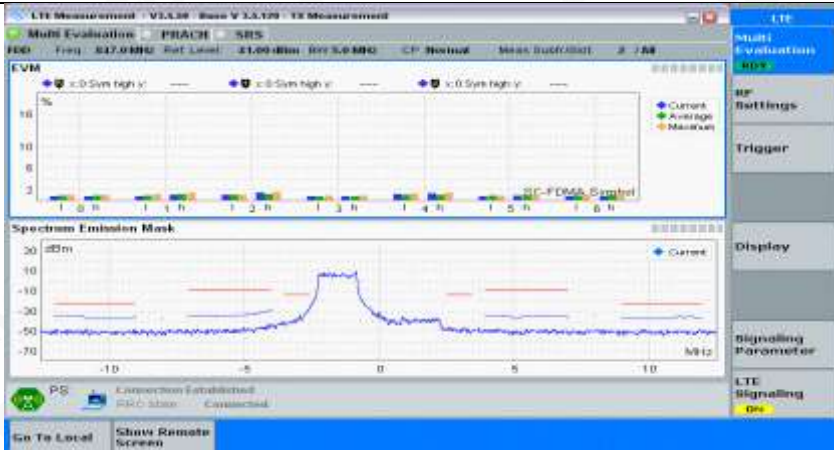
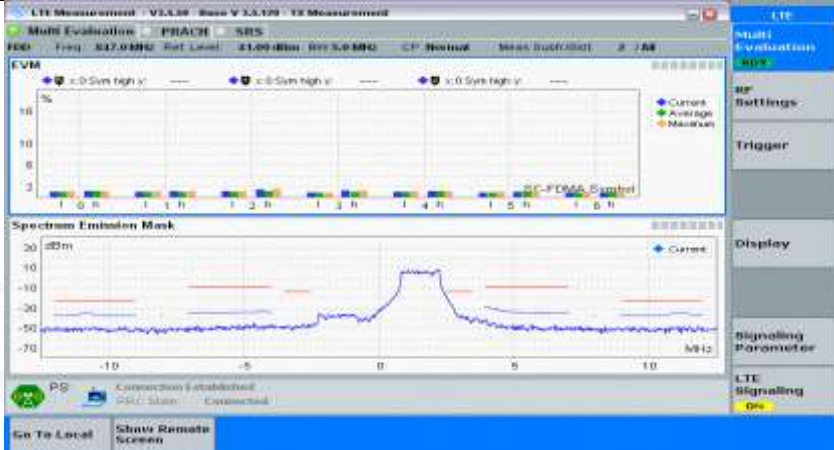
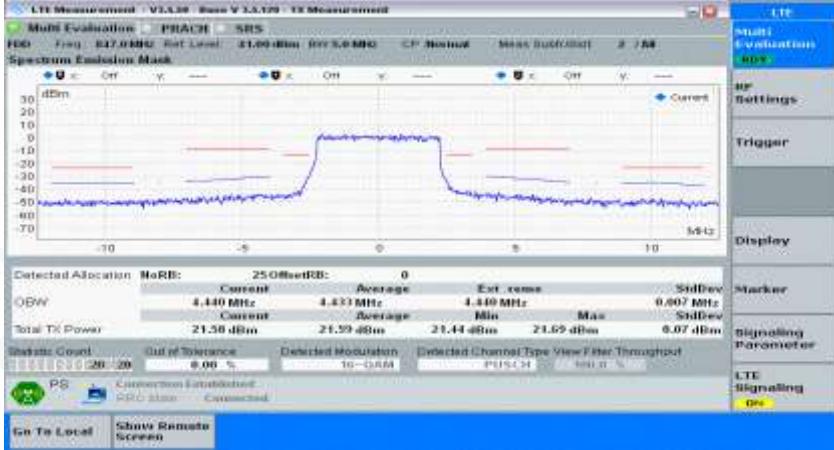


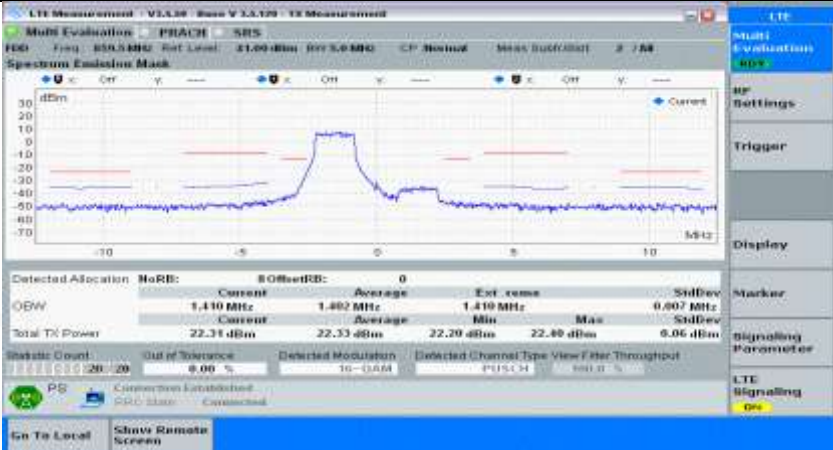
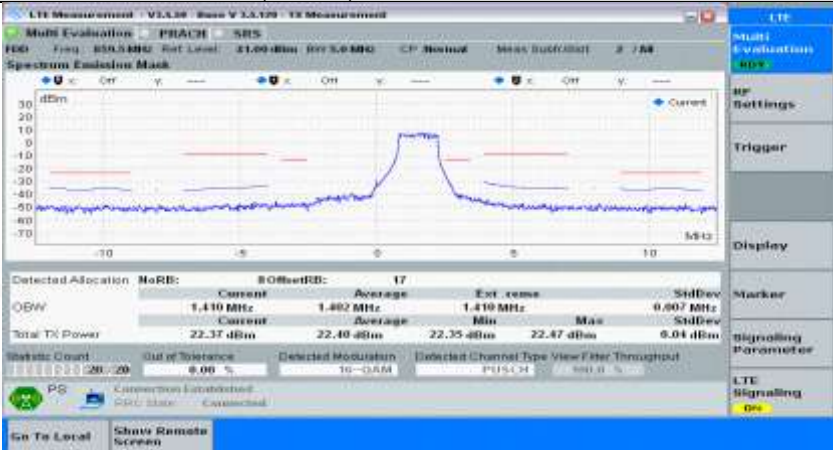

Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0

QPSK		<div>LTE</div> <div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>On</div>																																				
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max																																						
QPSK		<div>LTE</div> <div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>On</div>																																				
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0																																						
QPSK	 <table><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB</th><th colspan="2">25.0MHzRB</th><th colspan="2">Average</th><th colspan="2">Ext. rem</th><th colspan="2">StdDev</th></tr><tr><td>QBW</td><td>4.425 MHz</td><td>Current</td><td>4.425 MHz</td><td>Average</td><td>4.425 MHz</td><td>Min</td><td>4.425 MHz</td><td>Max</td><td>0.000 MHz</td><td>StdDev</td><td></td></tr><tr><td>Total TX Power</td><td>22.53 dBm</td><td>Current</td><td>22.48 dBm</td><td>Average</td><td>22.39 dBm</td><td>Min</td><td>22.39 dBm</td><td>Max</td><td>22.57 dBm</td><td>StdDev</td><td>0.04 dBm</td></tr></table>	Detected Allocation		NoRB		25.0MHzRB		Average		Ext. rem		StdDev		QBW	4.425 MHz	Current	4.425 MHz	Average	4.425 MHz	Min	4.425 MHz	Max	0.000 MHz	StdDev		Total TX Power	22.53 dBm	Current	22.48 dBm	Average	22.39 dBm	Min	22.39 dBm	Max	22.57 dBm	StdDev	0.04 dBm	<div>LTE</div> <div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div> <div>On</div>
Detected Allocation		NoRB		25.0MHzRB		Average		Ext. rem		StdDev																												
QBW	4.425 MHz	Current	4.425 MHz	Average	4.425 MHz	Min	4.425 MHz	Max	0.000 MHz	StdDev																												
Total TX Power	22.53 dBm	Current	22.48 dBm	Average	22.39 dBm	Min	22.39 dBm	Max	22.57 dBm	StdDev	0.04 dBm																											
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_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

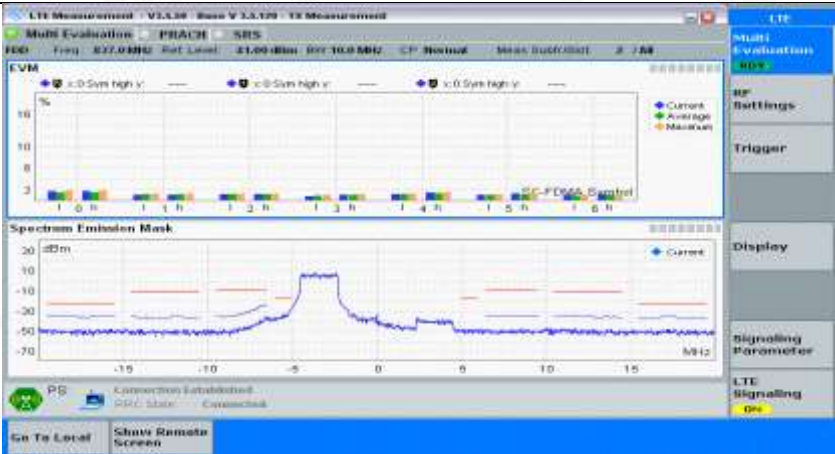
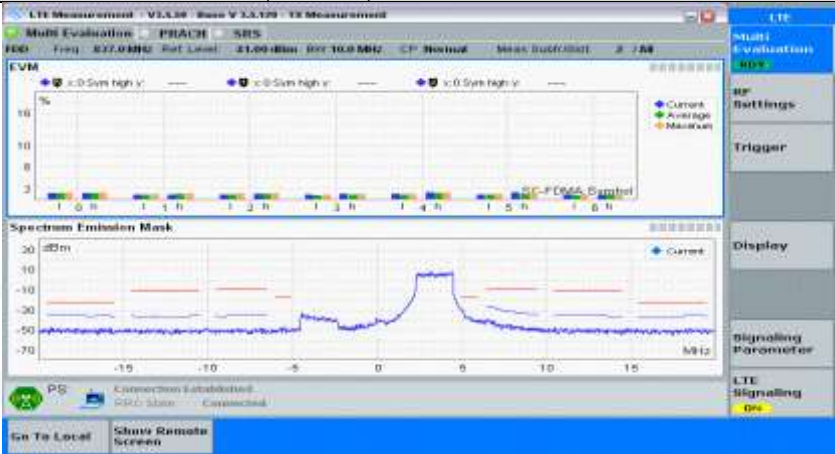
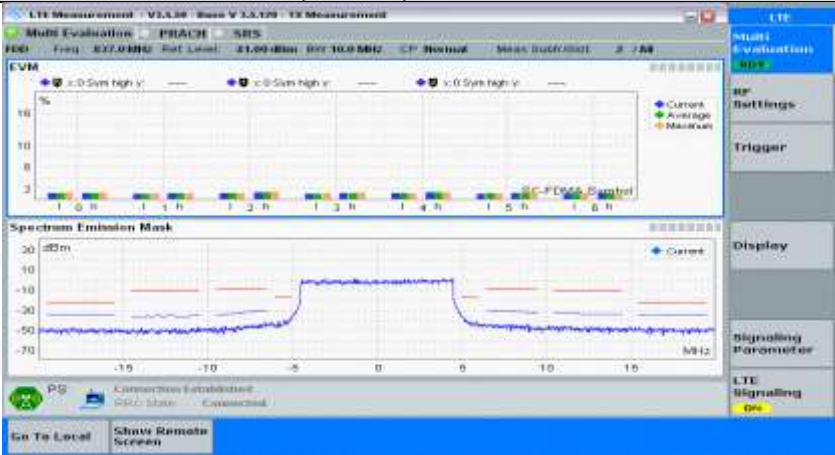
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

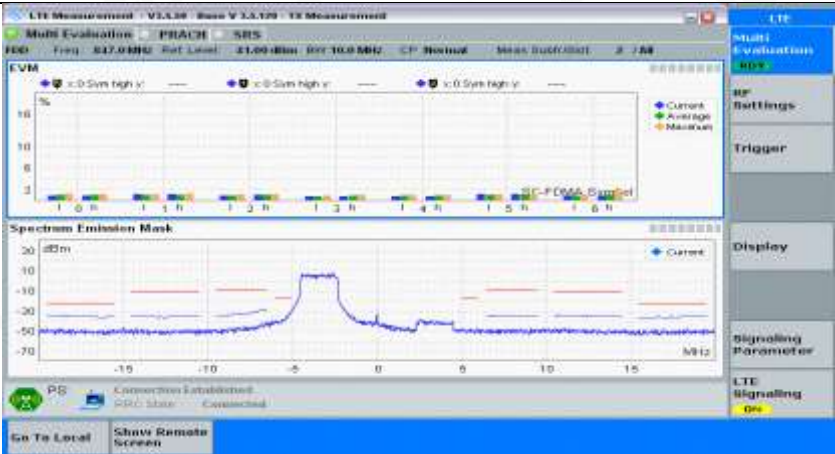
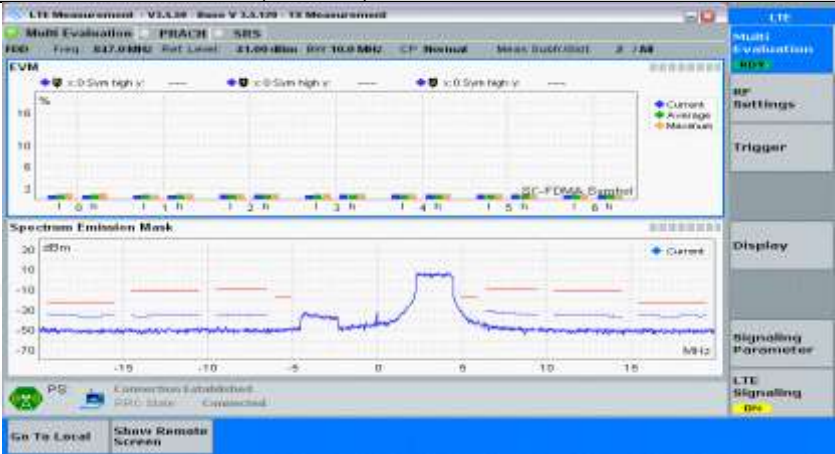
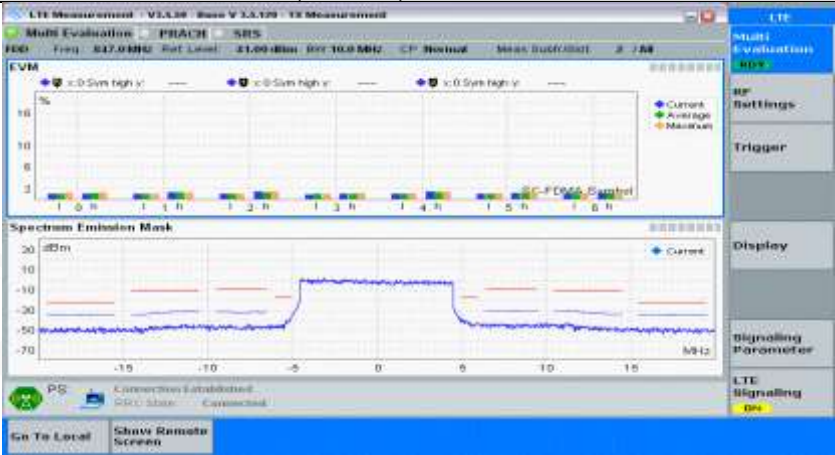
16QAM																															
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max																															
16QAM																															
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0																															
16QAM	 <table data-bbox="462 1487 1299 1599"><tr><th colspan="2">Detected Allocation</th><th colspan="2">NoRB: 25.0</th><th colspan="2">OffsetRB: 0</th><th colspan="2">Ext. reme</th><th colspan="2">StdDev</th></tr><tr><th>OBW</th><th>Current</th><th>Average</th><th>4.433 MHz</th><th>Ext. reme</th><th>4.440 MHz</th><th>0.007 MHz</th><th>StdDev</th><th>0.007 MHz</th><th>StdDev</th></tr><tr><td>Total Tx Power</td><td>21.58 dBm</td><td>21.59 dBm</td><td>21.44 dBm</td><td>21.69 dBm</td><td>21.69 dBm</td><td>0.07 dBm</td><td></td><td></td><td></td></tr></table>	Detected Allocation		NoRB: 25.0		OffsetRB: 0		Ext. reme		StdDev		OBW	Current	Average	4.433 MHz	Ext. reme	4.440 MHz	0.007 MHz	StdDev	0.007 MHz	StdDev	Total Tx Power	21.58 dBm	21.59 dBm	21.44 dBm	21.69 dBm	21.69 dBm	0.07 dBm			
Detected Allocation		NoRB: 25.0		OffsetRB: 0		Ext. reme		StdDev																							
OBW	Current	Average	4.433 MHz	Ext. reme	4.440 MHz	0.007 MHz	StdDev	0.007 MHz	StdDev																						
Total Tx Power	21.58 dBm	21.59 dBm	21.44 dBm	21.69 dBm	21.69 dBm	0.07 dBm																									
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0																															

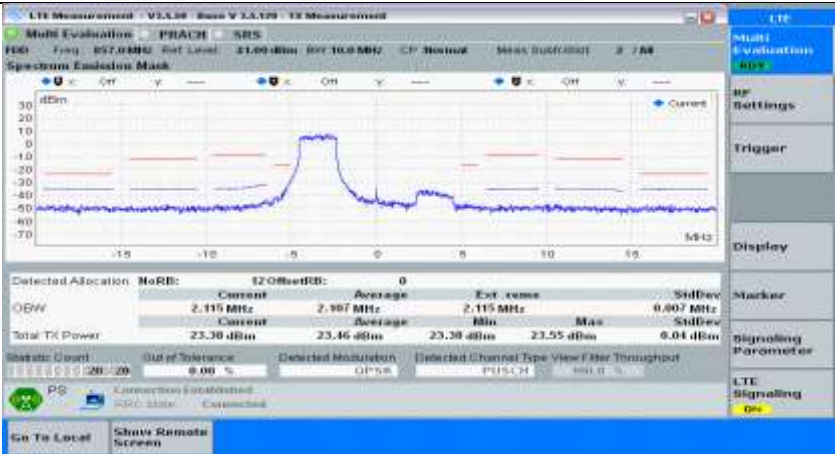
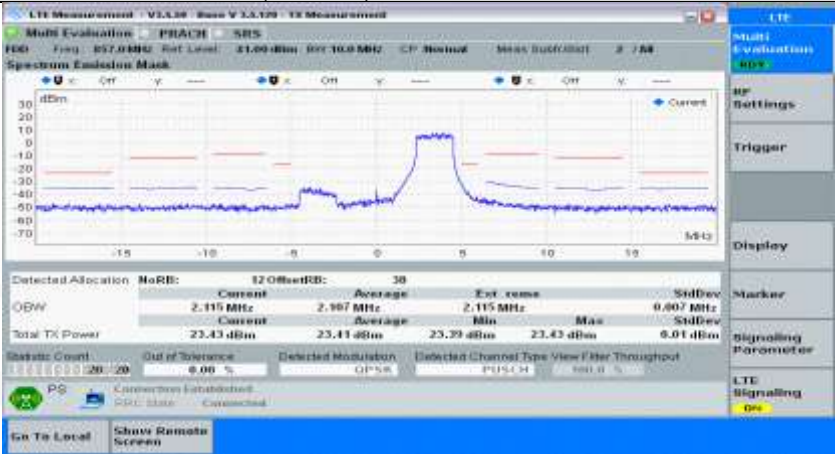
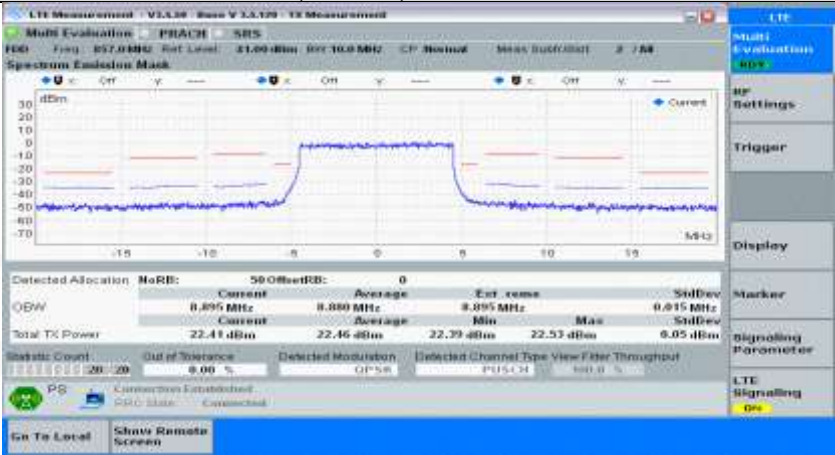
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	
16QAM	

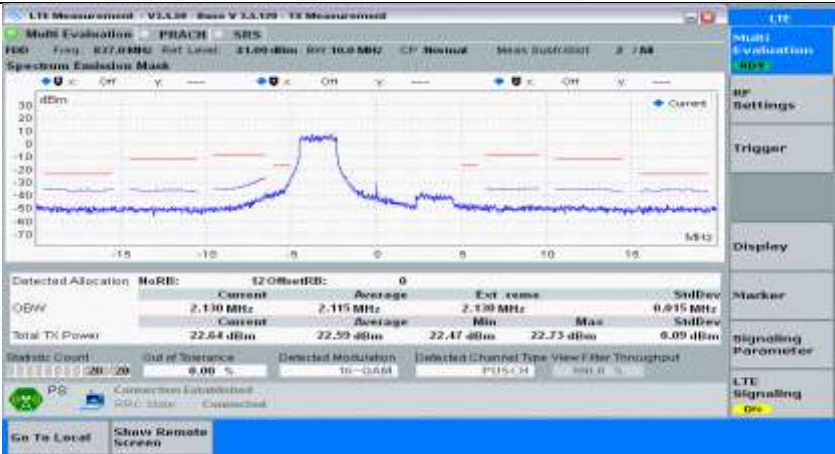
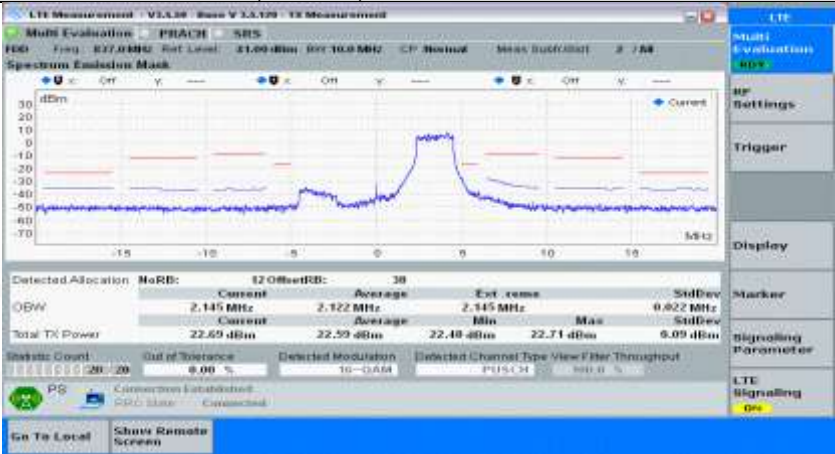
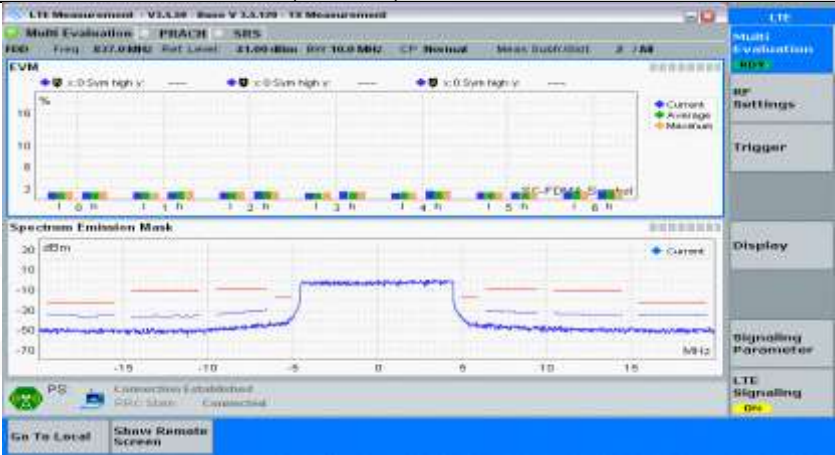
Channel Bandwidth= (10 MHz)

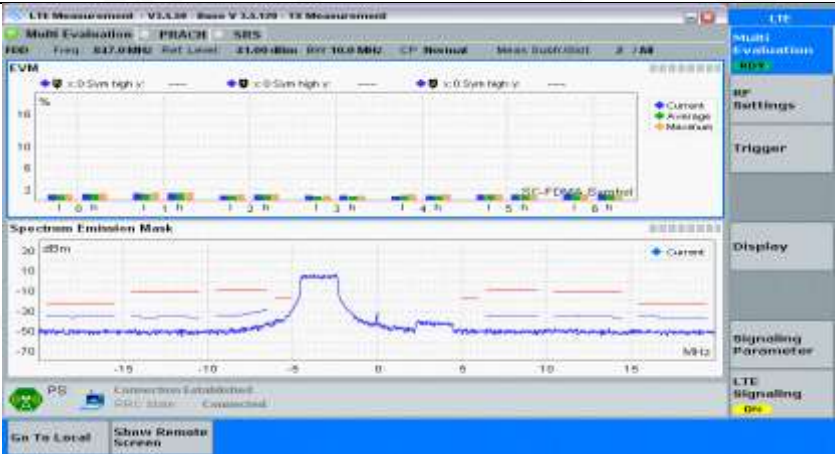

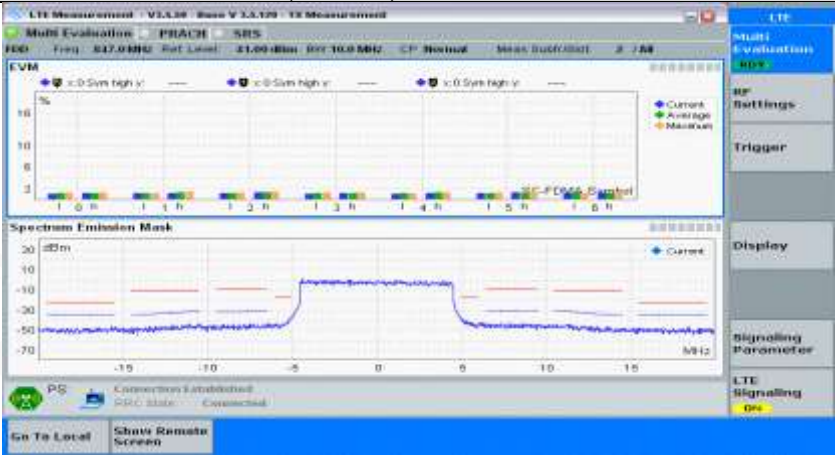
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0
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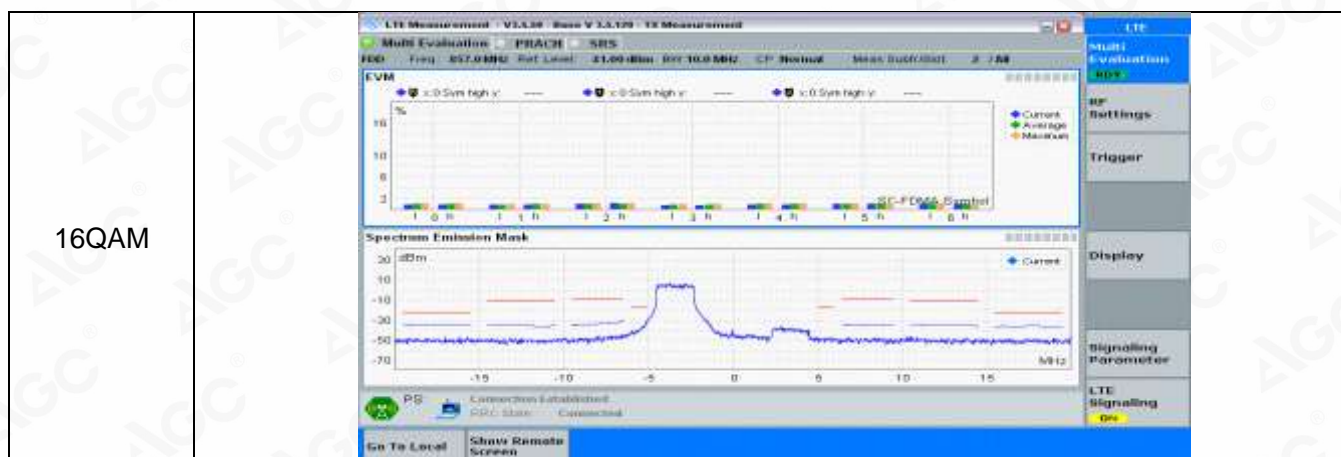
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	

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

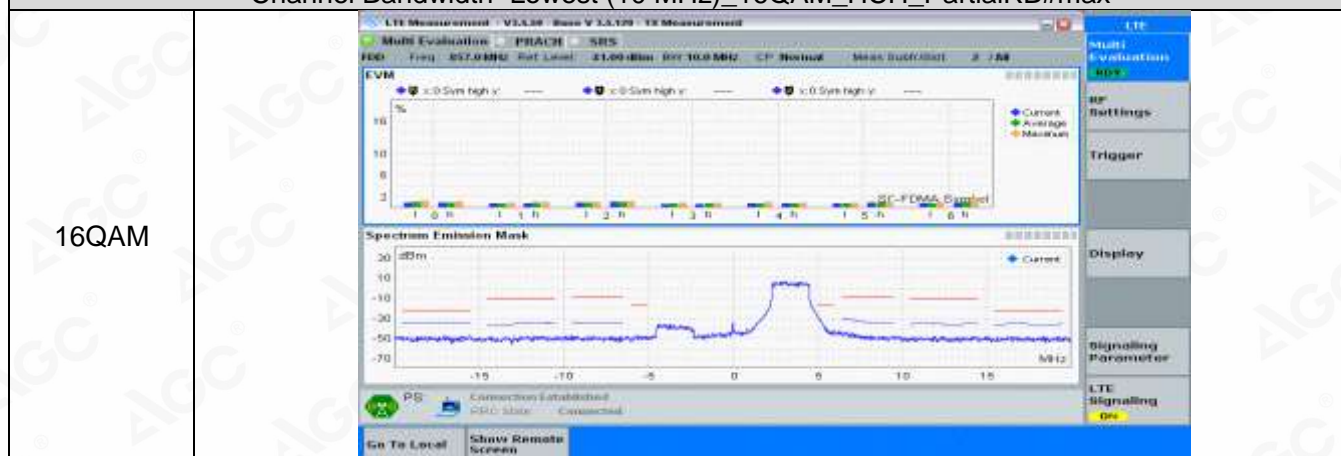
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QPSK	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	

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

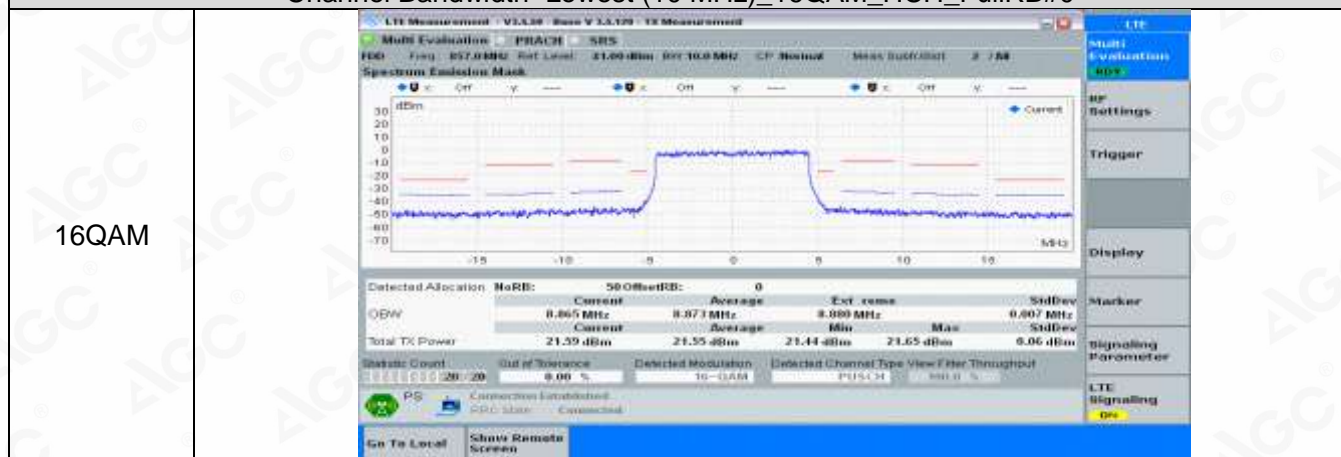
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max

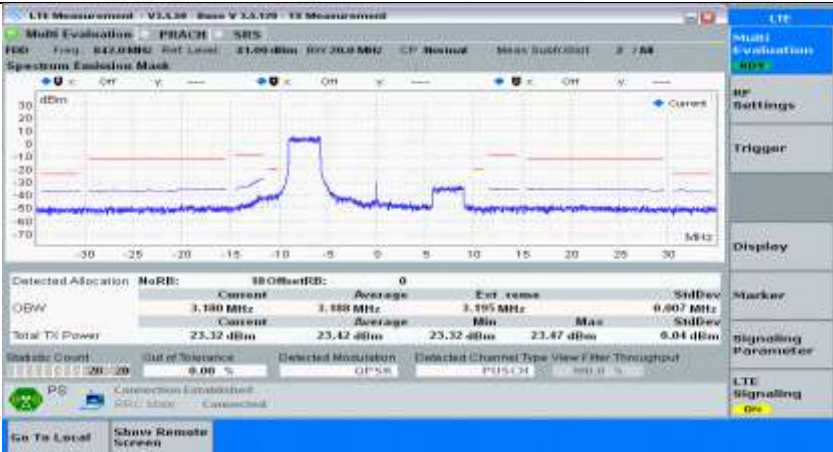
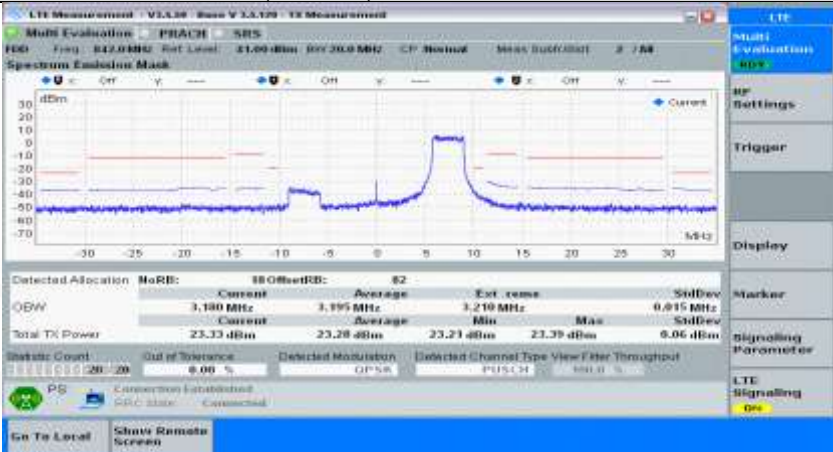
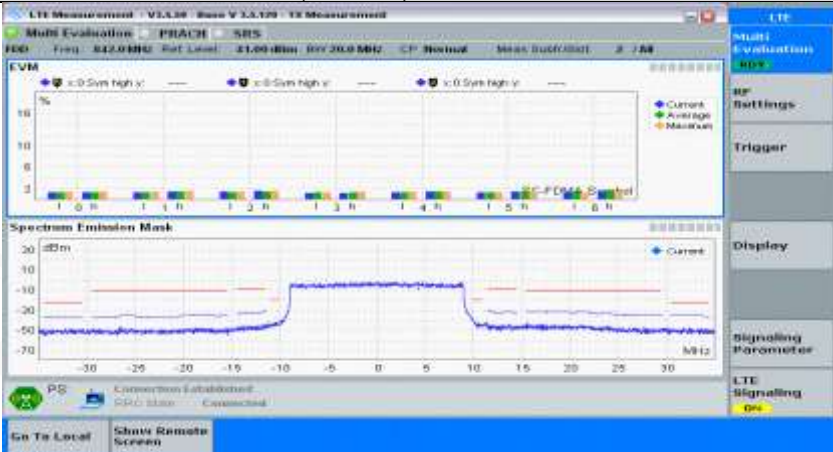


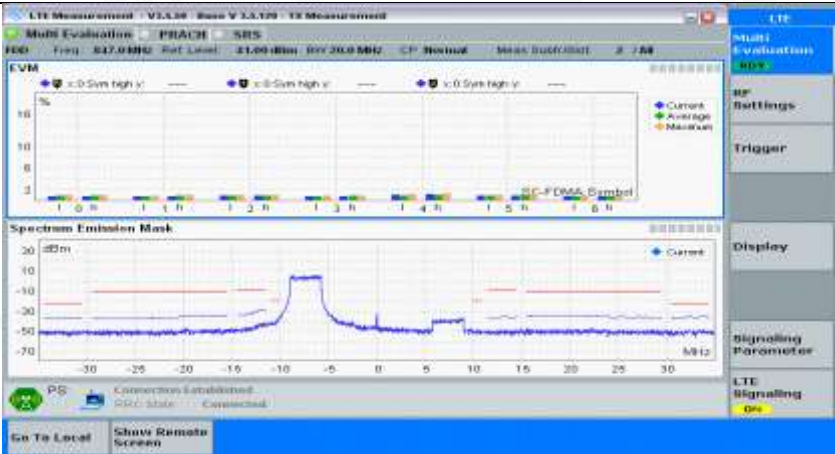
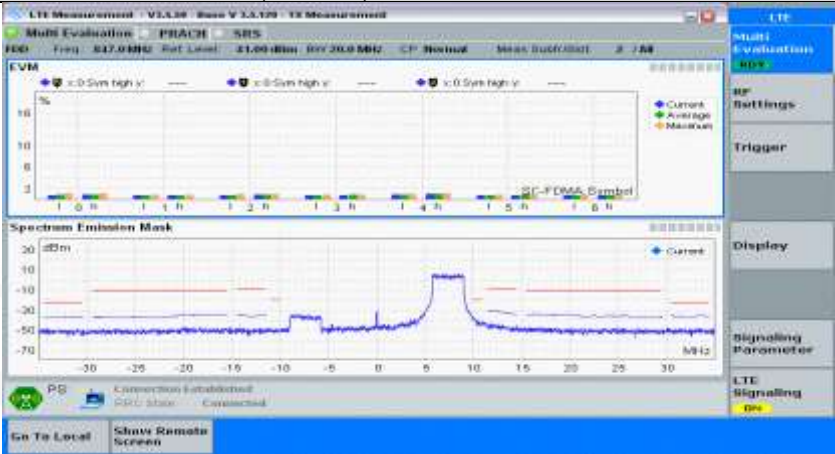
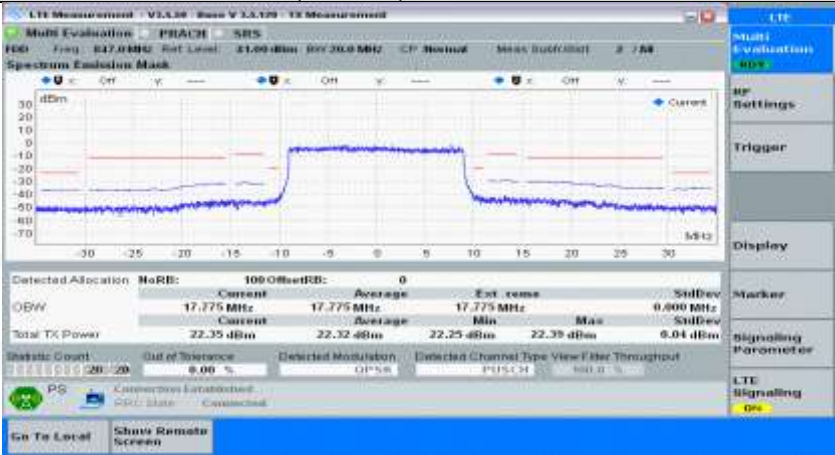
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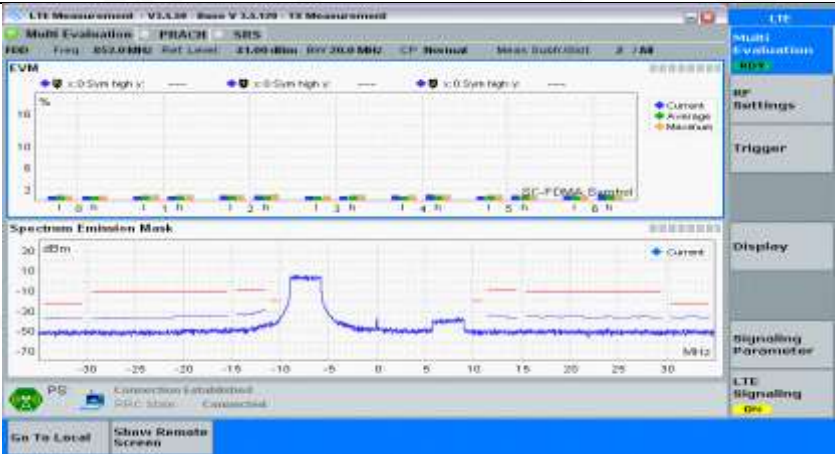
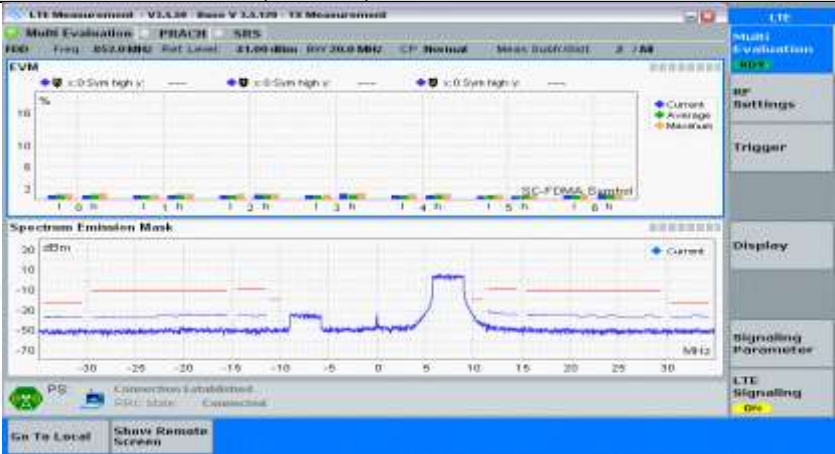



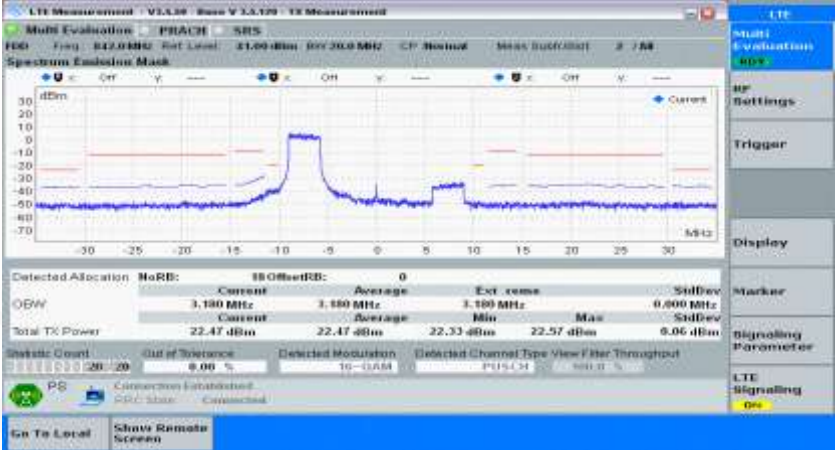
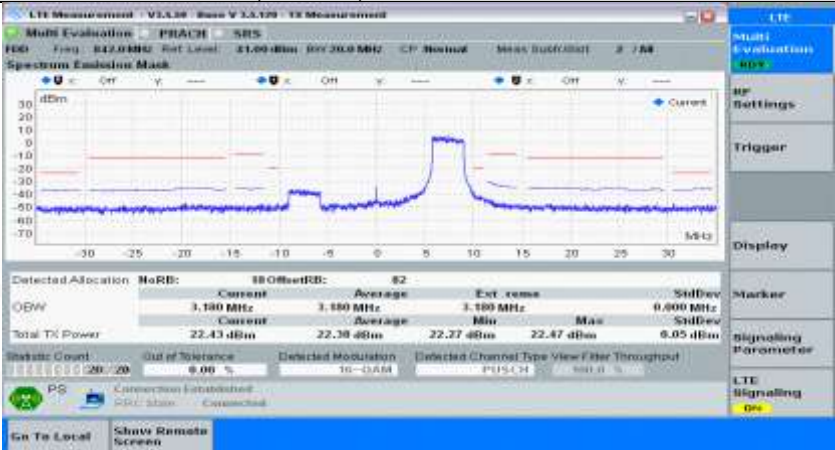
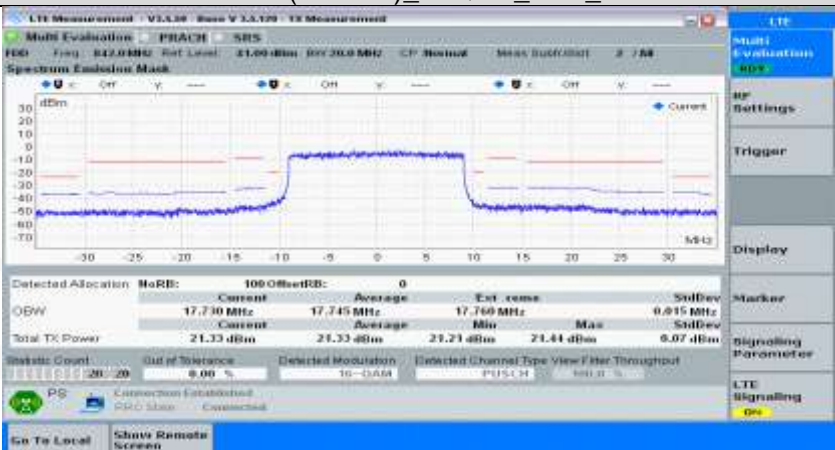
Channel Bandwidth=Highest (20 MHz)

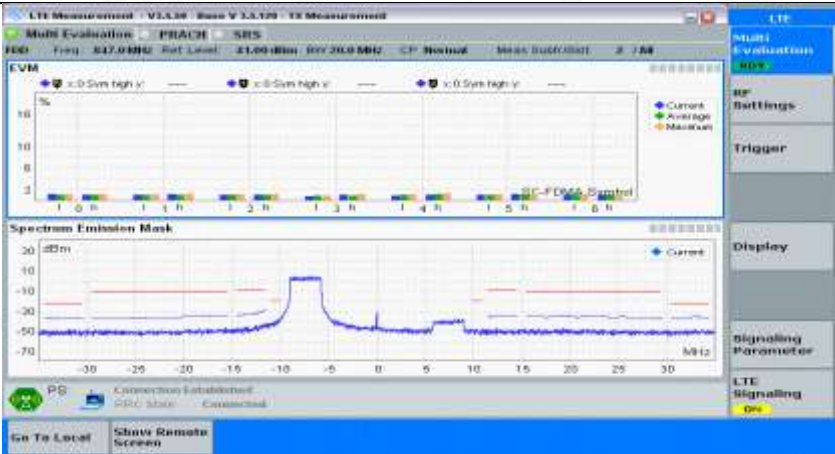
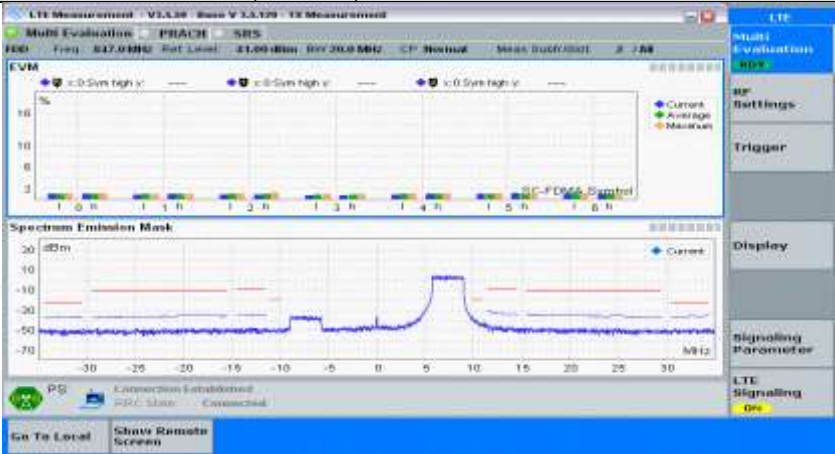
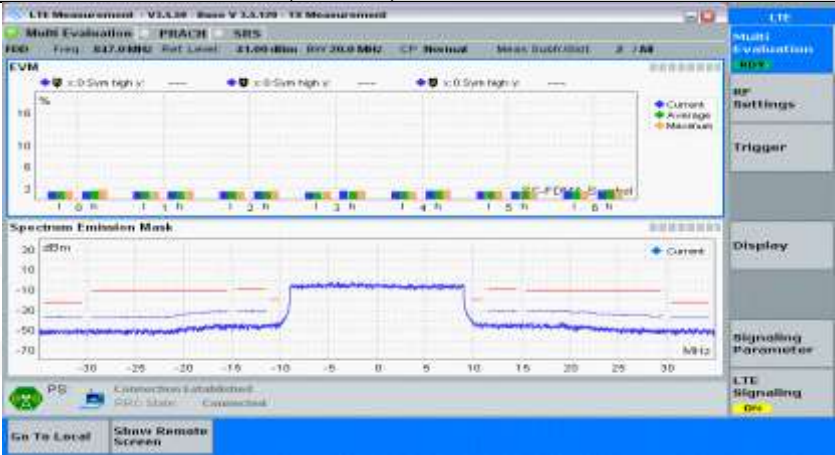
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0

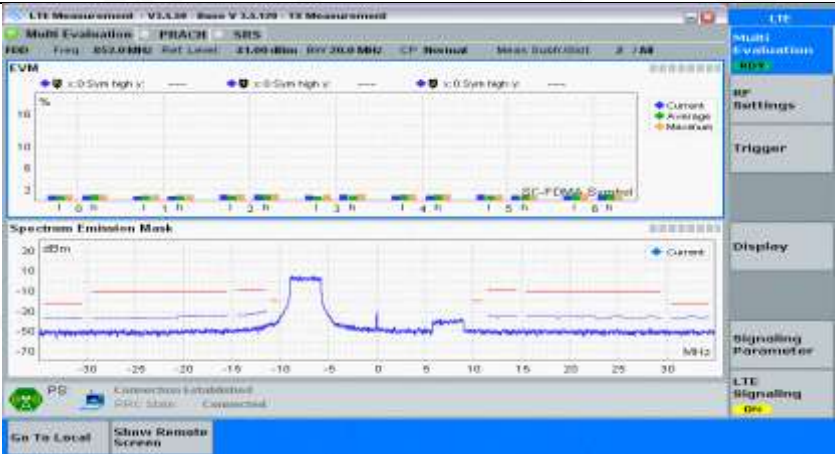
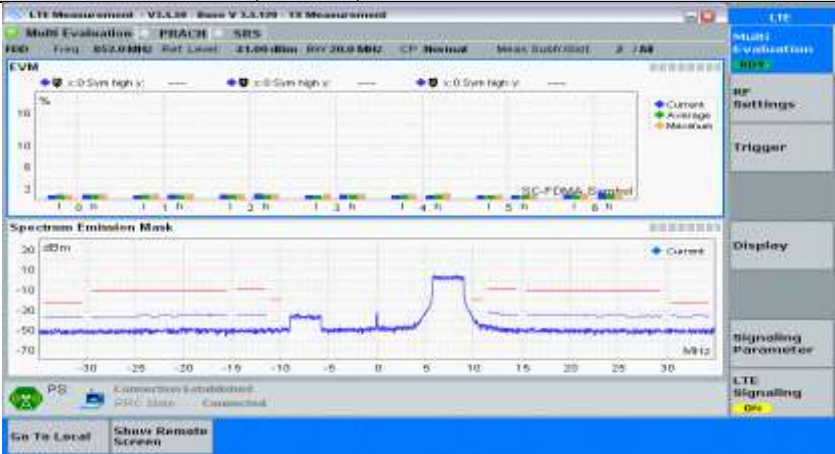
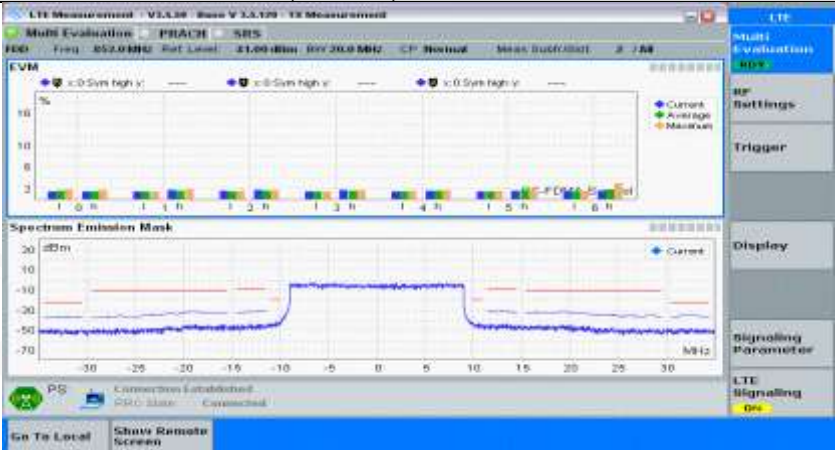
QPSK		<p>Multi Evaluation: 60%</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: On</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<p>Multi Evaluation: 60%</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: On</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0		
QPSK		<p>Multi Evaluation: 60%</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: On</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0		

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

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

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

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

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

4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth= (10 MHz)

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



Attestation of Global Compliance

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Service Hotline: 400 089 2118

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

Channel Bandwidth=Highest (20 MHz)




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


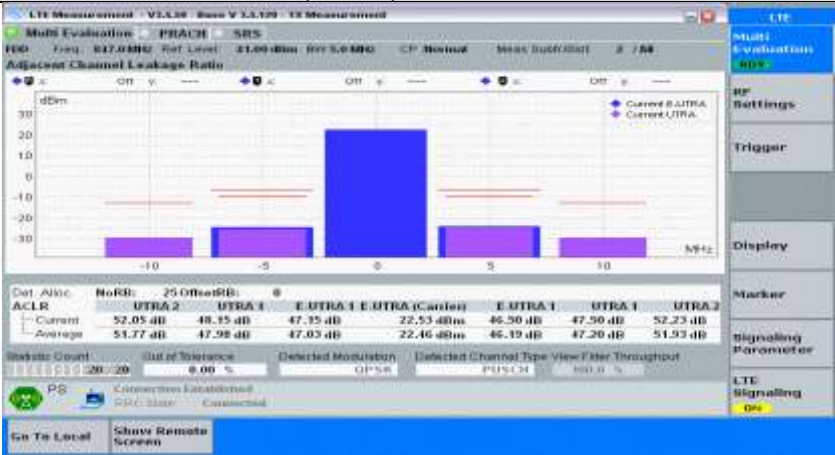
Test Graphs


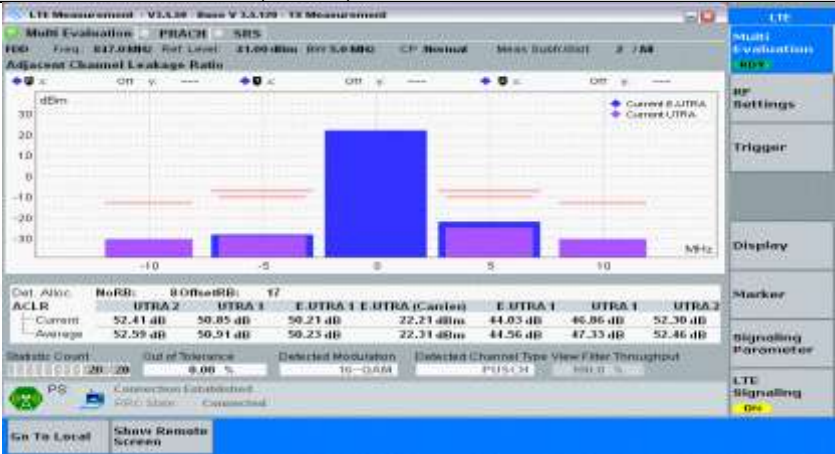
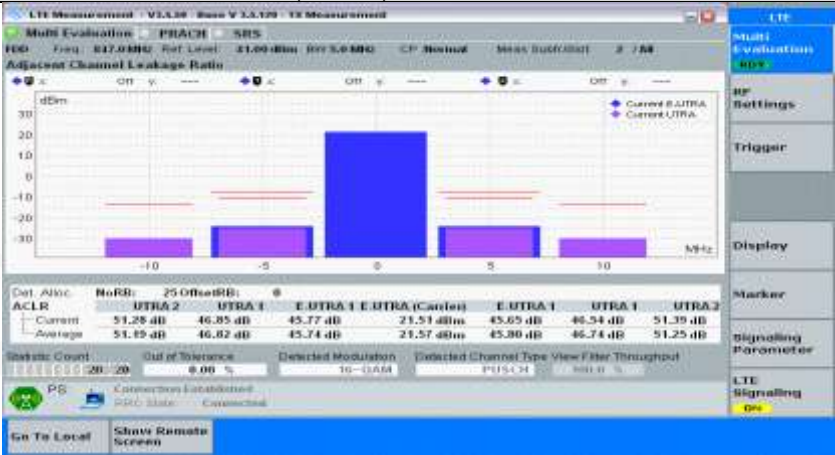
NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0

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

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

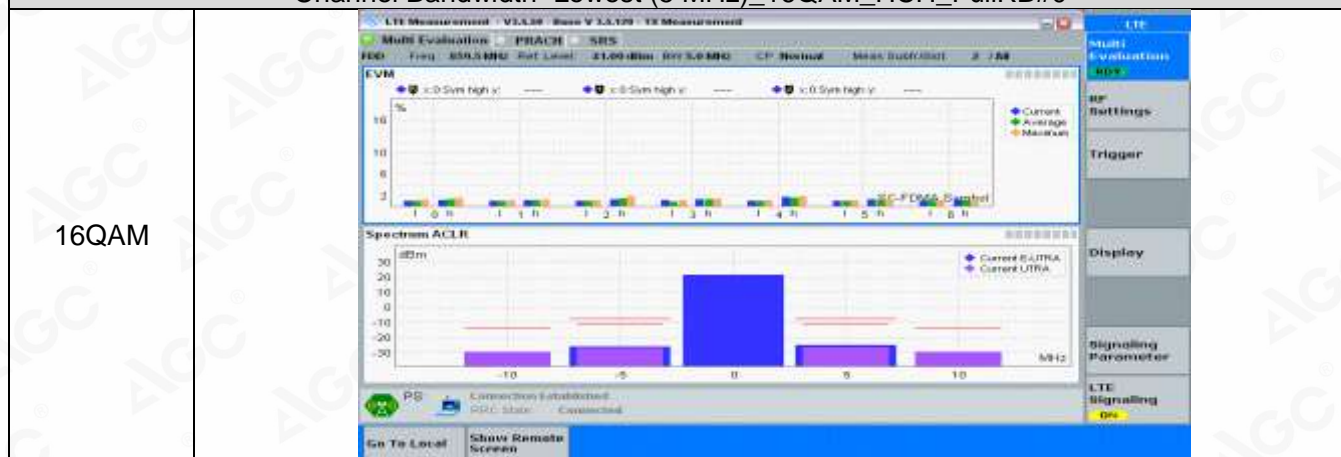
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>



Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max







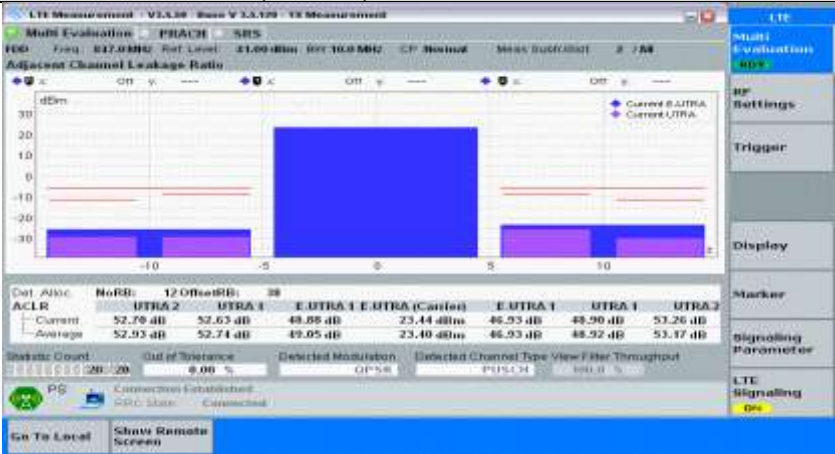
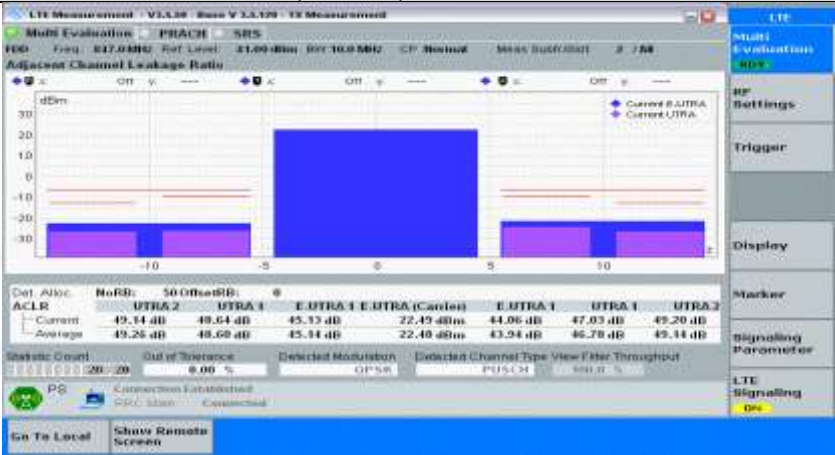
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0


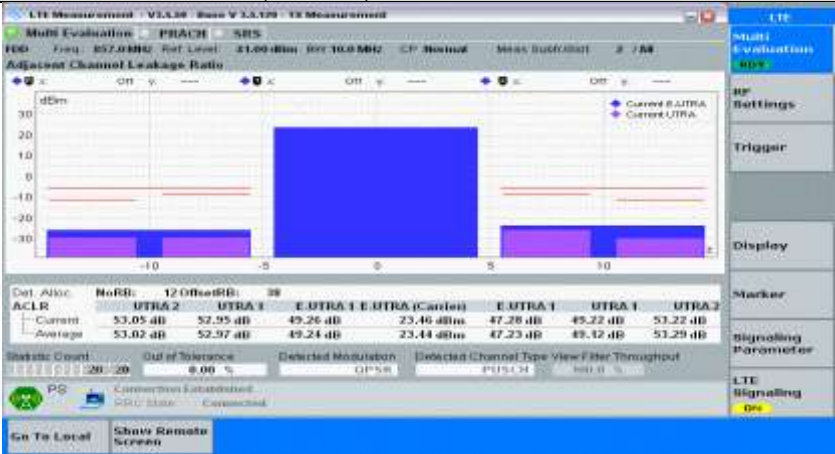






Channel Bandwidth= (10 MHz)




Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#0

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

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

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

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

16QAM	 <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>



Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max


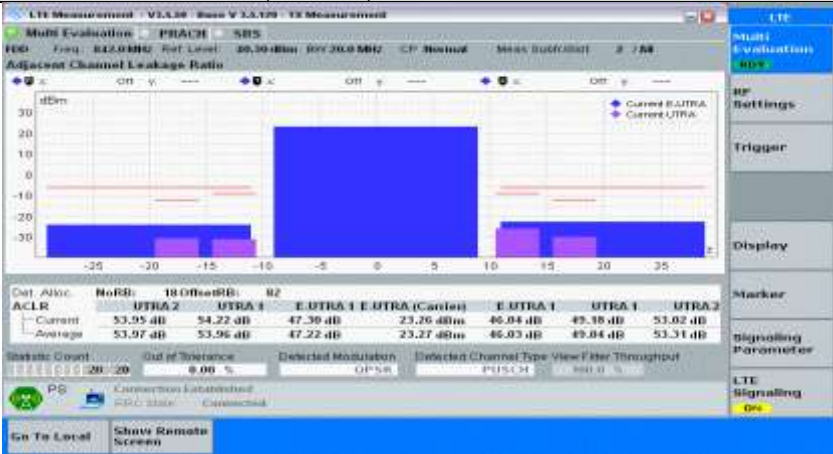




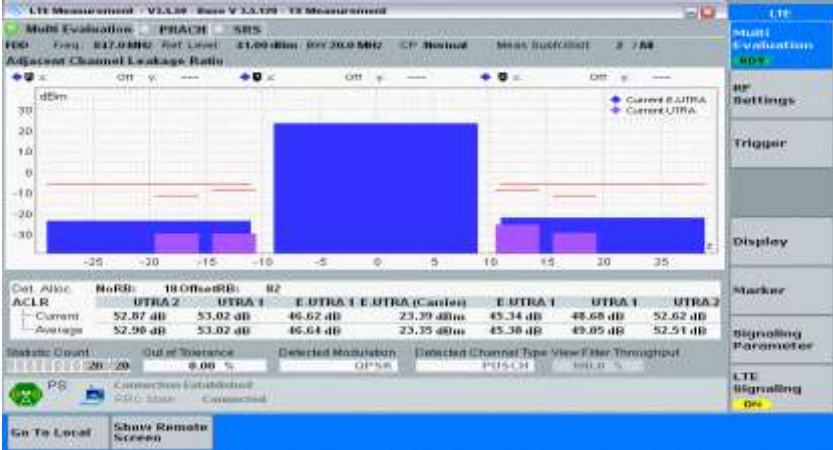
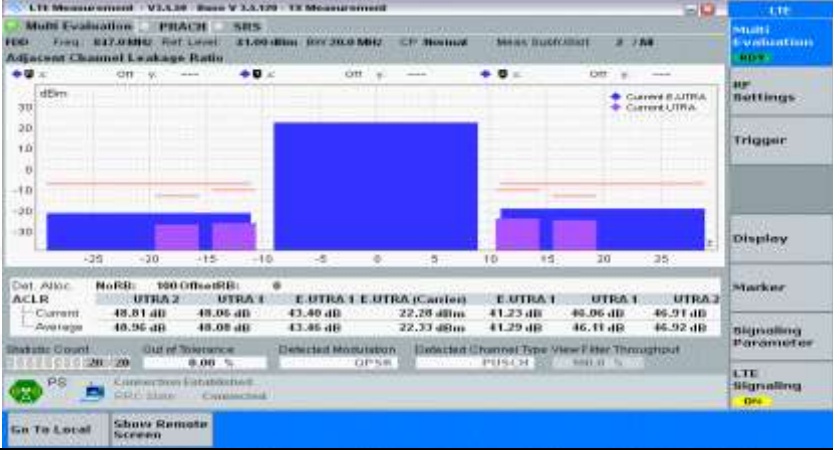
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0






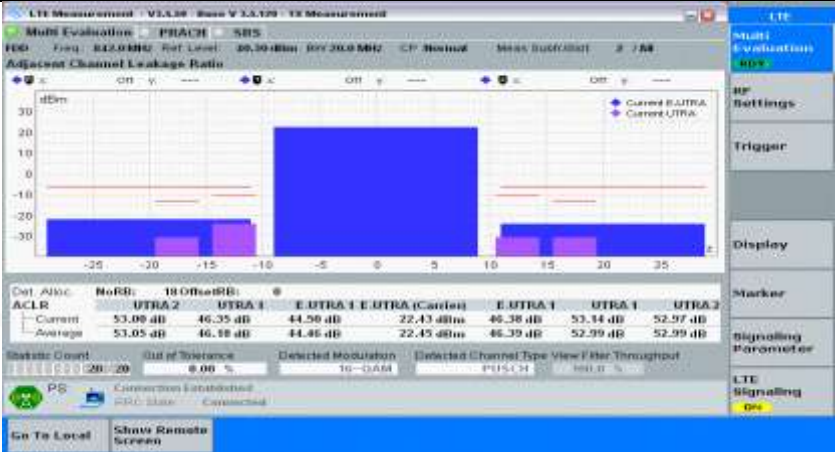

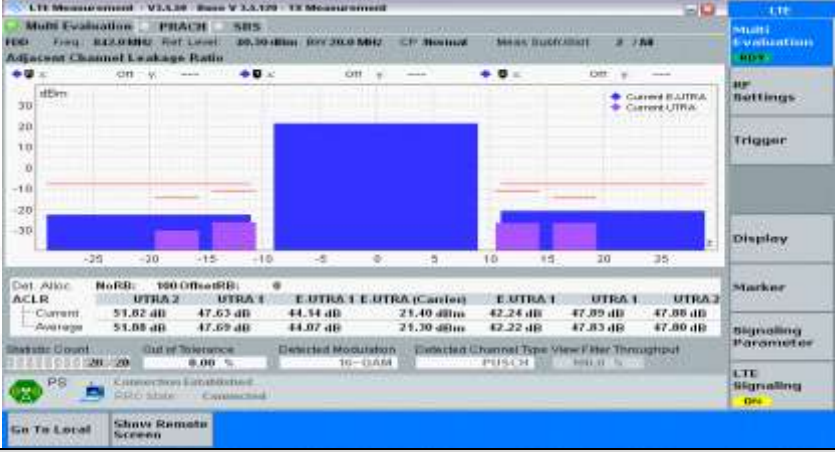
Channel Bandwidth=Highest (20 MHz)

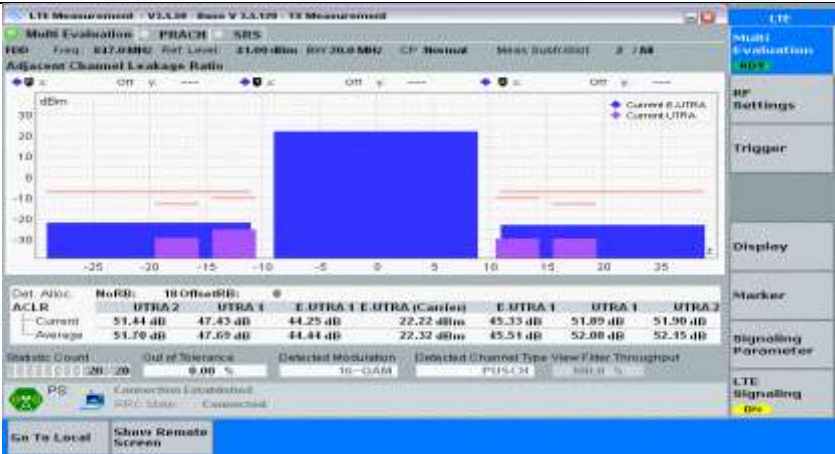
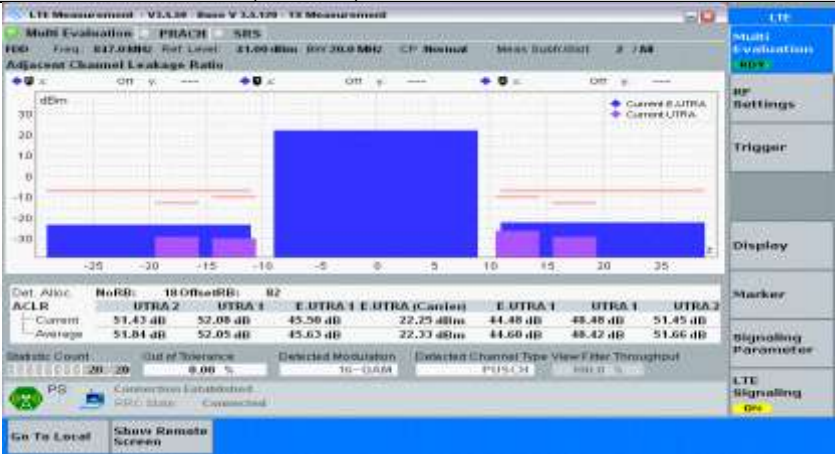
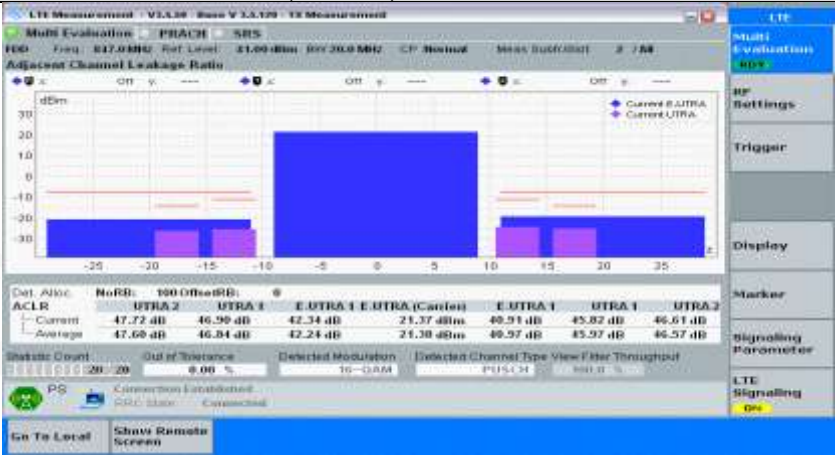
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#0

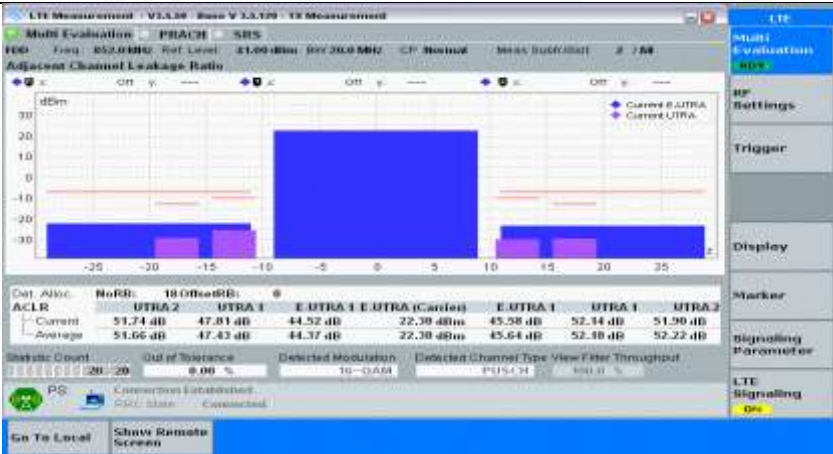
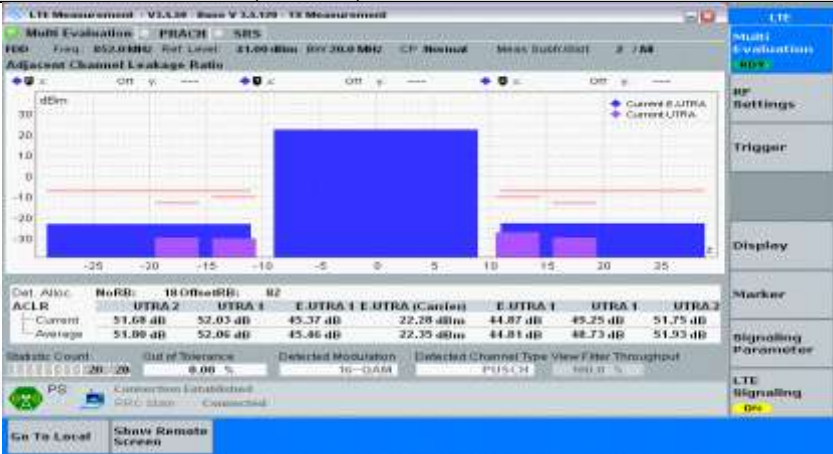

QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>

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

QPSK		<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0		
QPSK		<div>Multi-Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0		

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

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

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

5. Transmitter Spurious Emissions

Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

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

Channel Bandwidth=Highest (20 MHz)

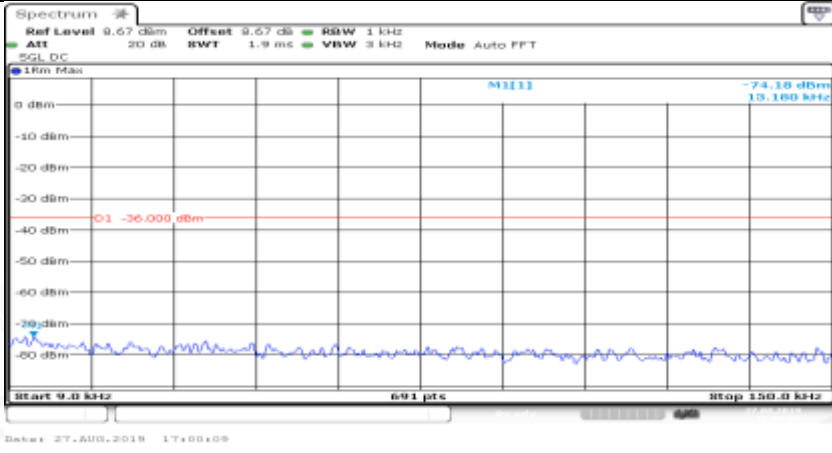

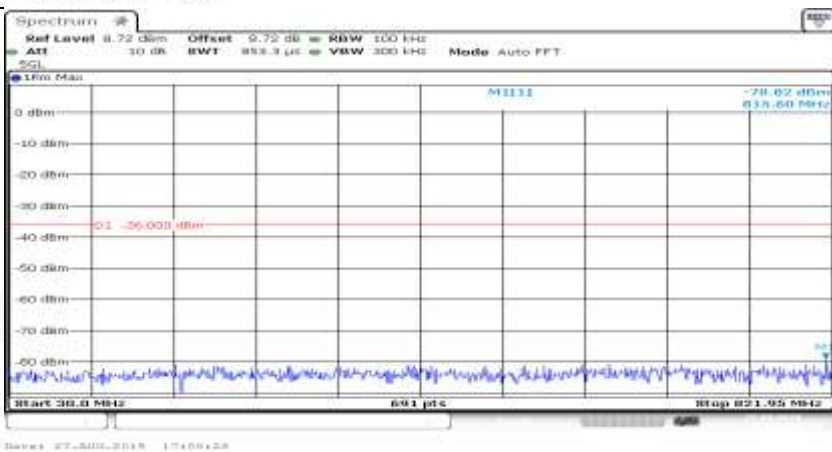
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX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

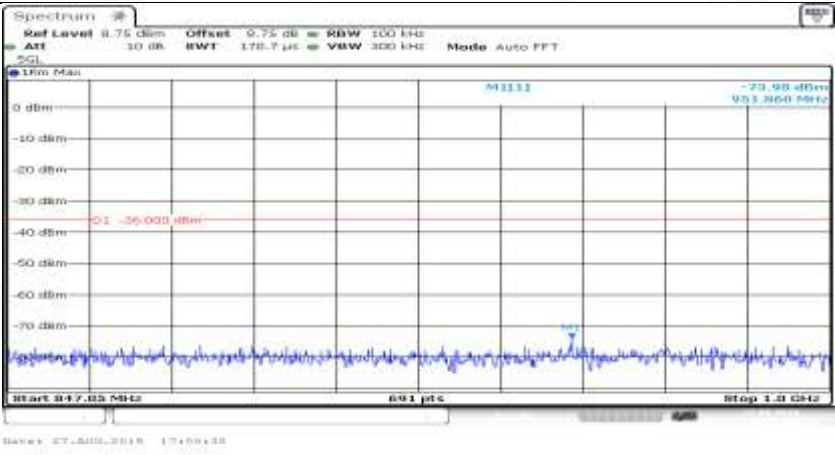
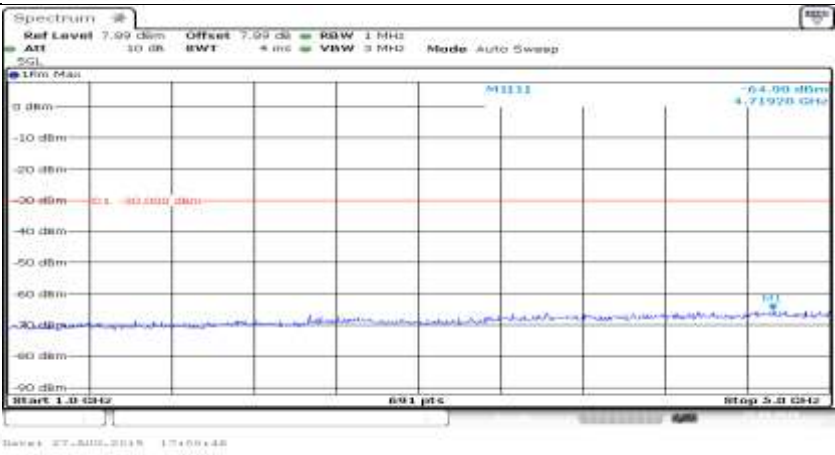
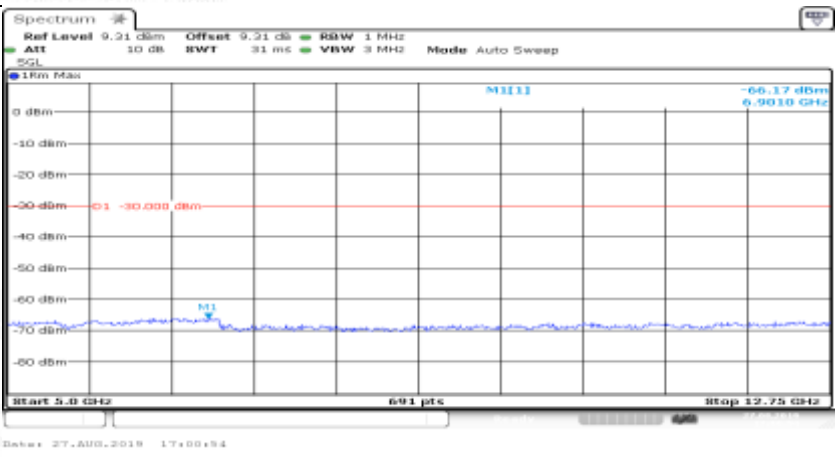
Test Graphs

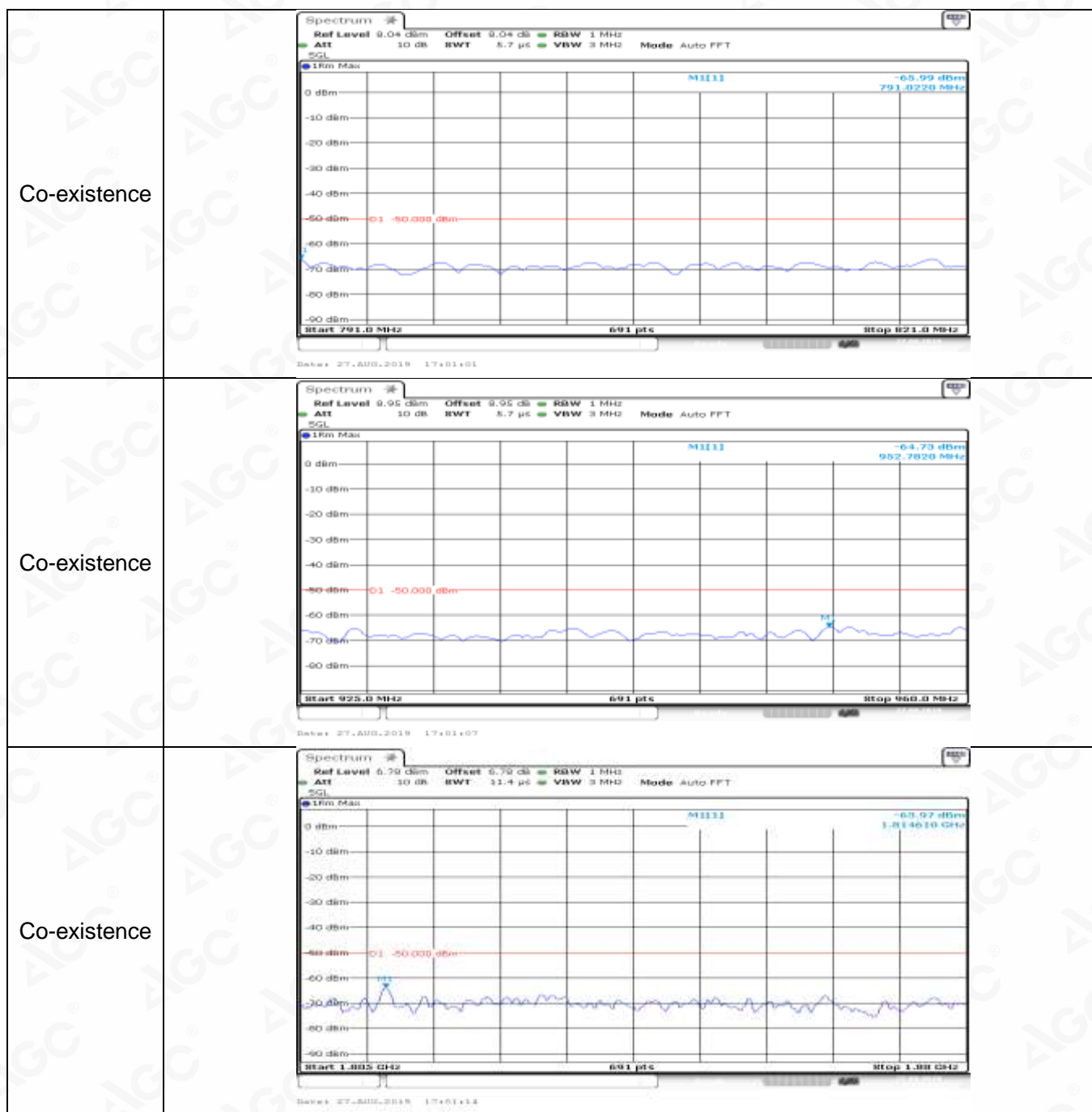
NTNV

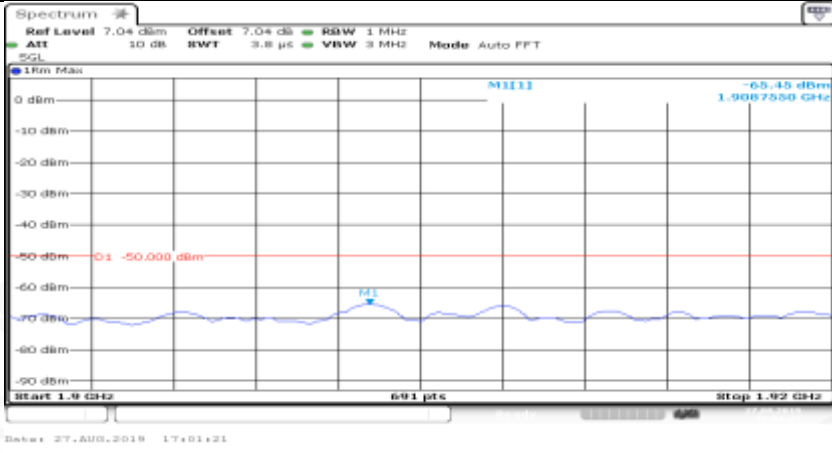
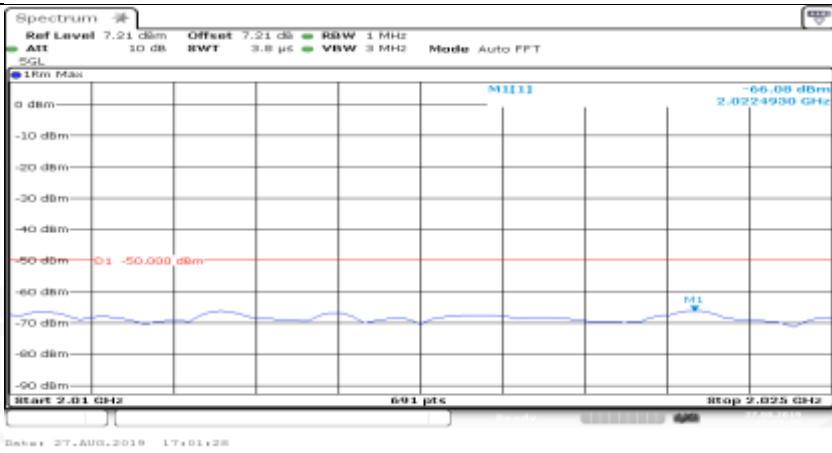

Channel Bandwidth=Lowest (5 MHz)

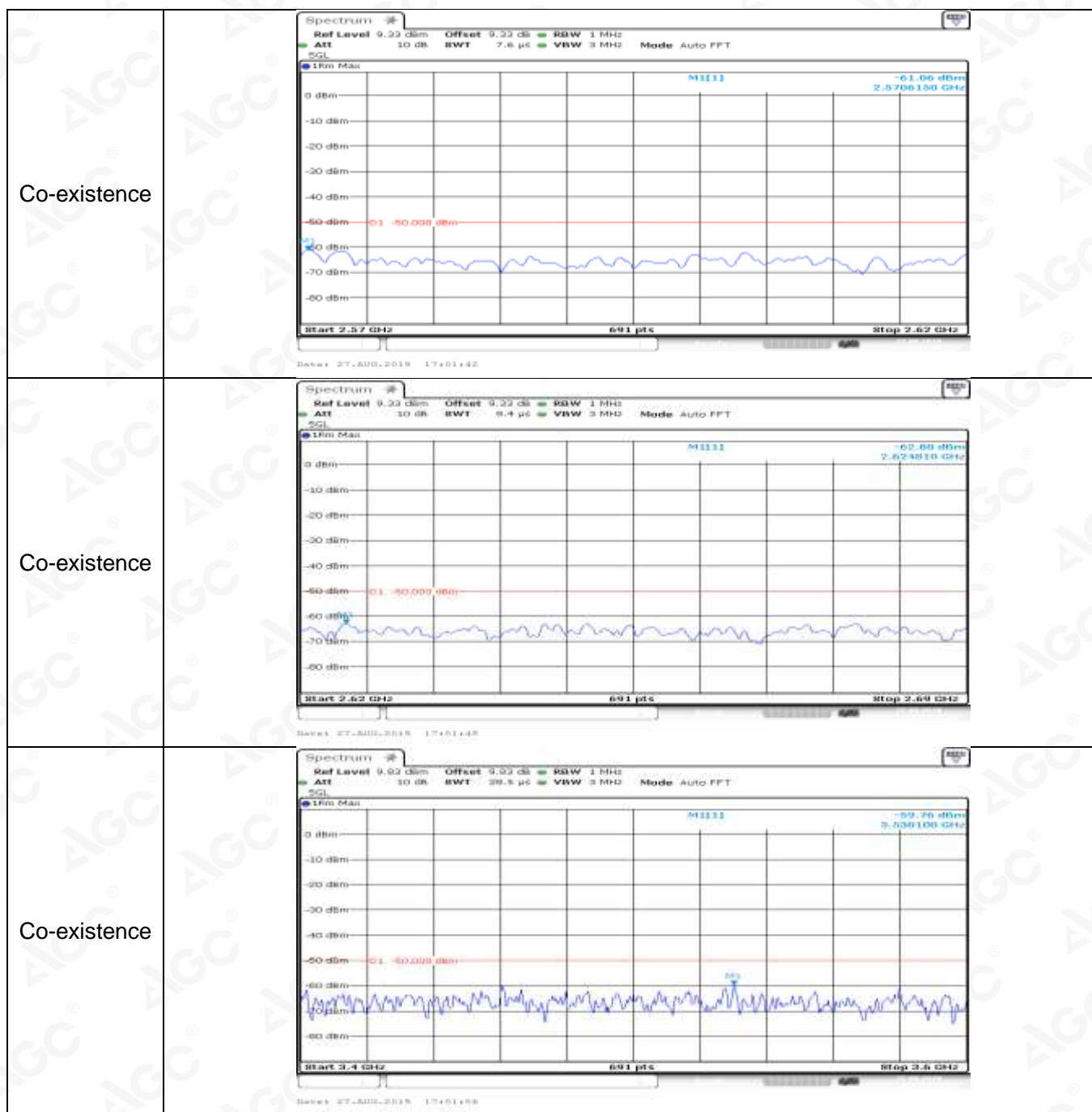
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#0

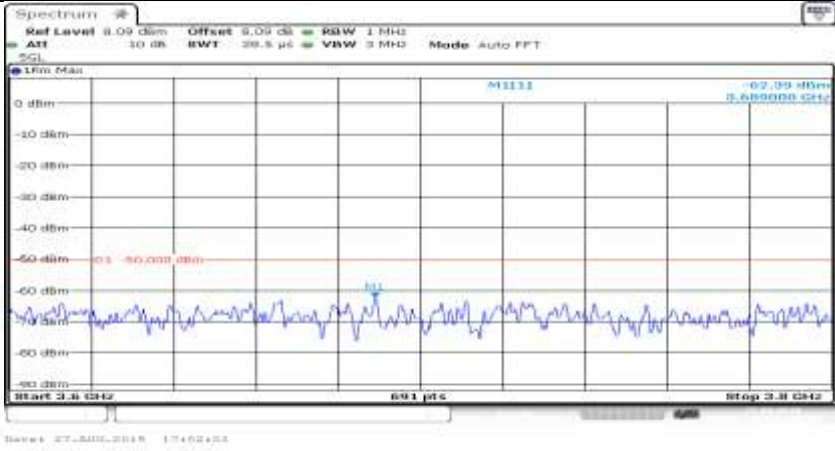
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Max -74.10 dBm 13.180 kHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2018 17:00:09</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>Max -71.69 dBm 1891.0 kHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2018 17:00:09</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 852.3 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 200.0 MHz 691 pts Stop 821.95 MHz</p> <p>Max -70.62 dBm 835.60 MHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2018 17:00:28</p>

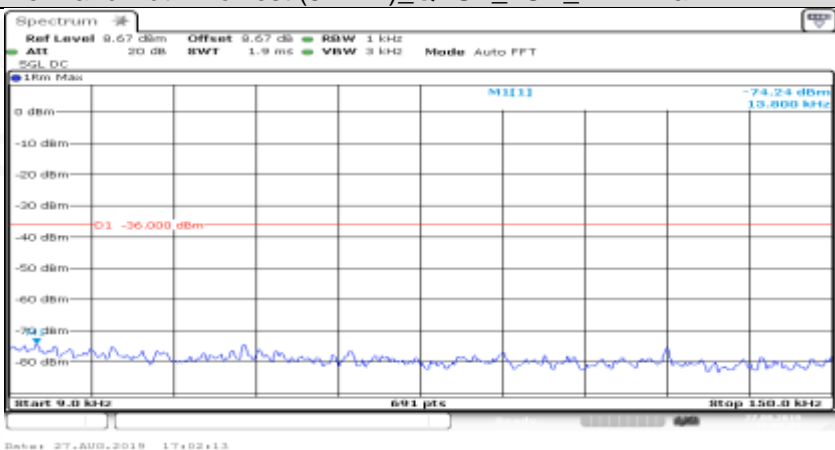
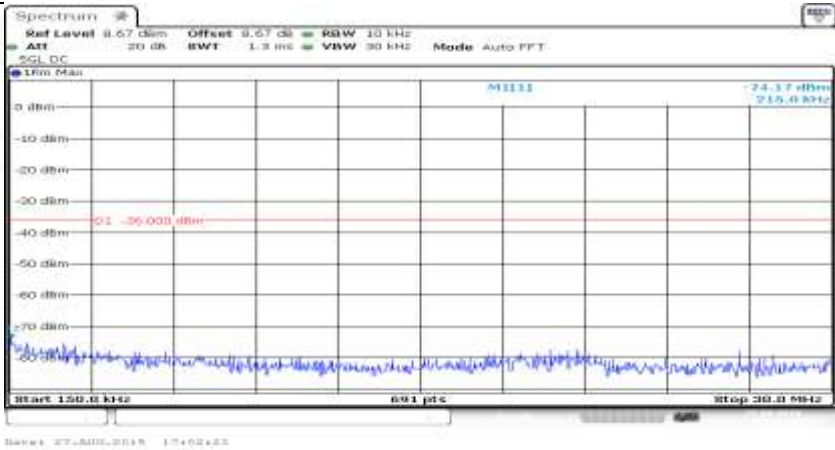
General	
General	
General	

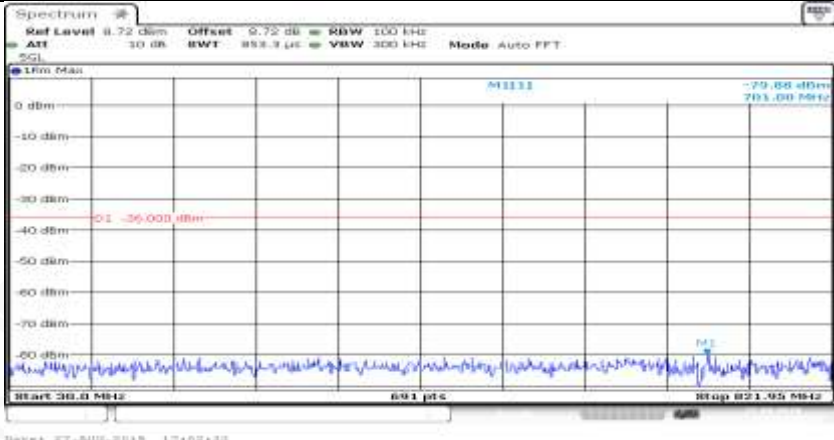
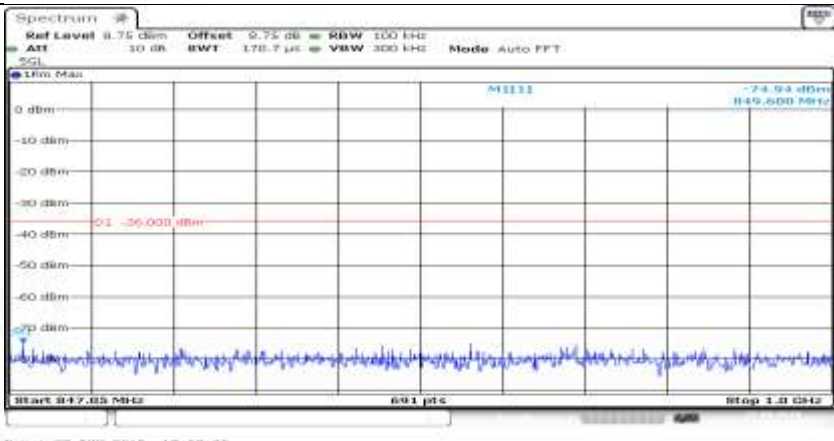
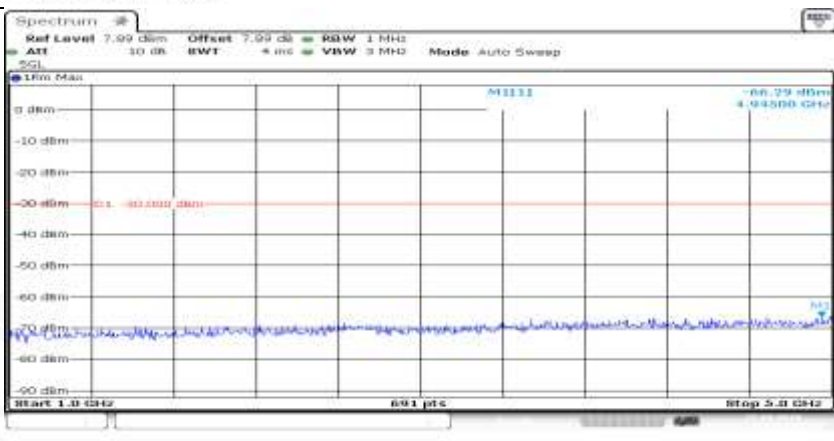


Co-existence	
Co-existence	
Co-existence	

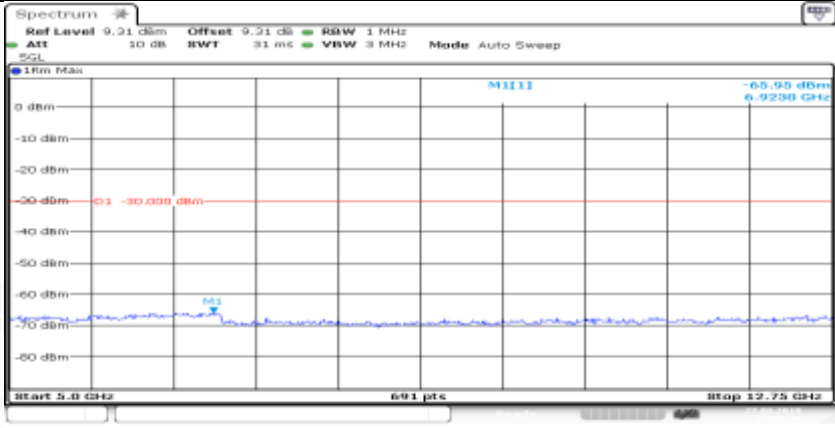

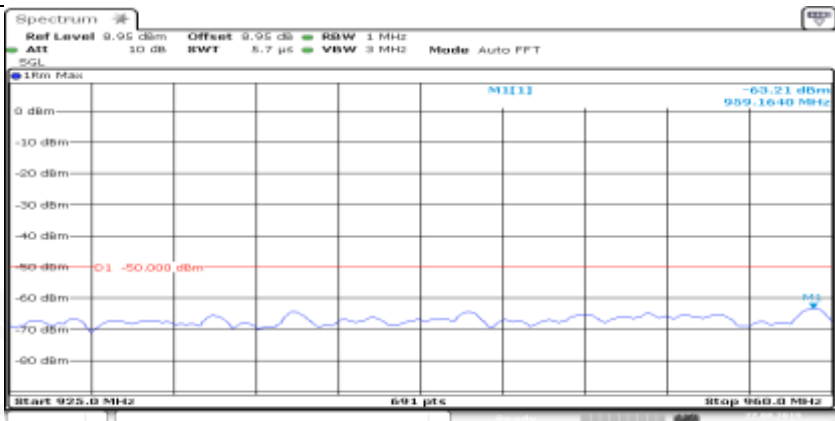


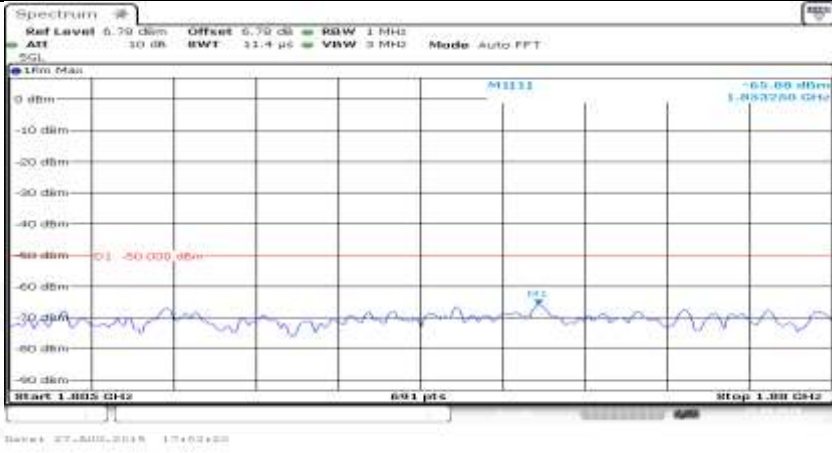
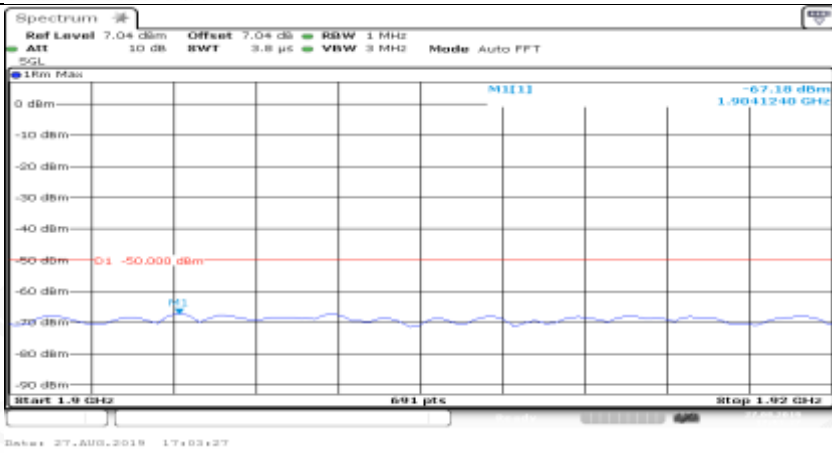
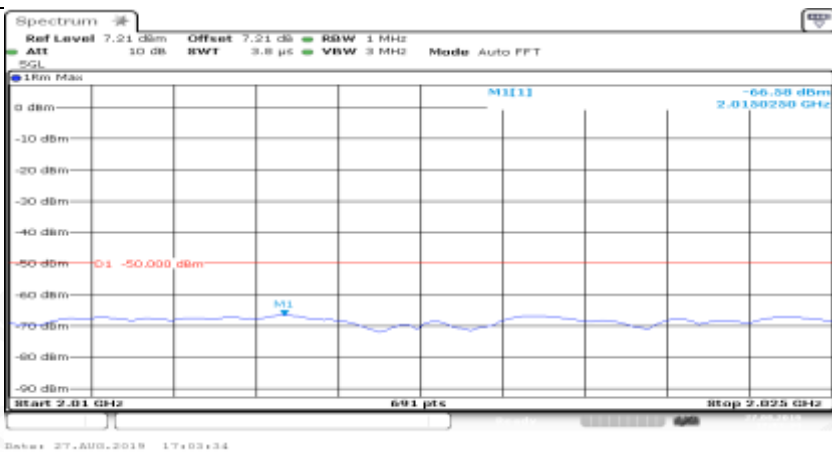
Co-existence	
Additional	NA

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

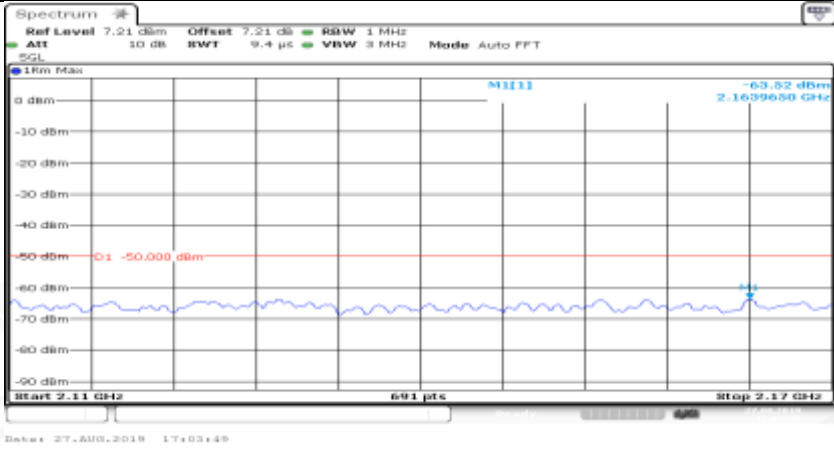
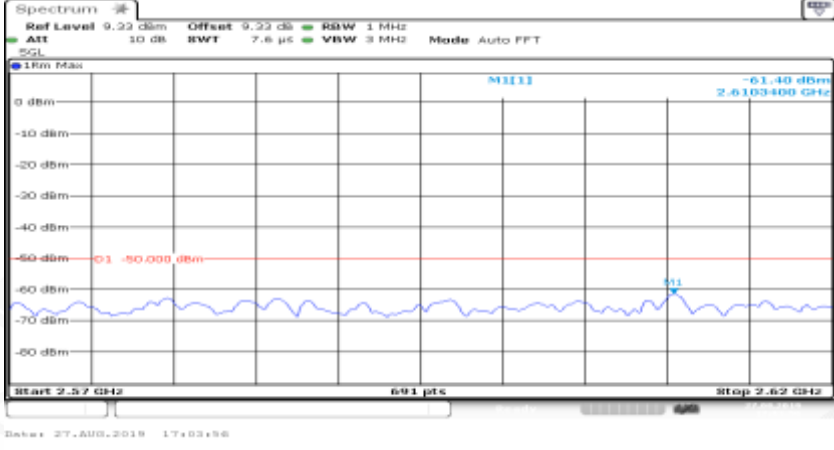

General	
General	
General	



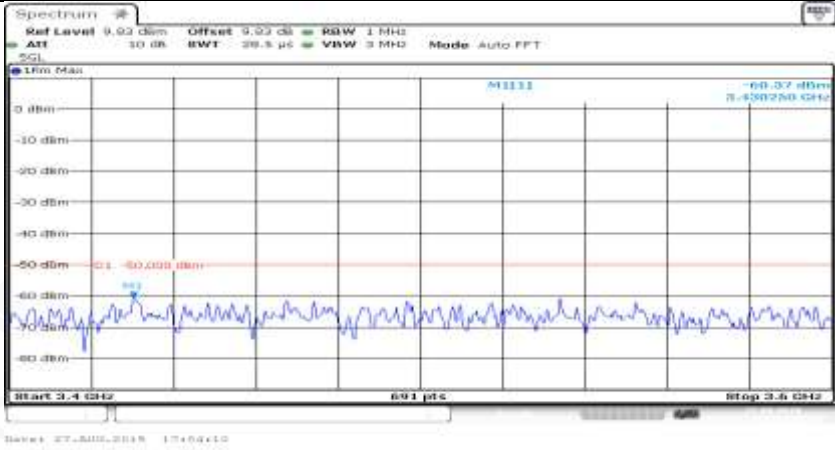
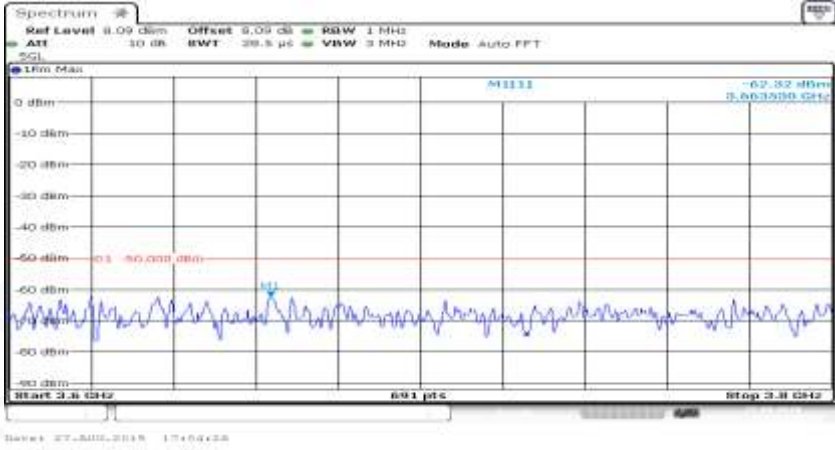
General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 17:02:54</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 27.AUG.2019 17:03:04</p>
Co-existence	 <p>Start 925.0 MHz Stop 950.0 MHz</p> <p>Date: 27.AUG.2019 17:03:12</p>

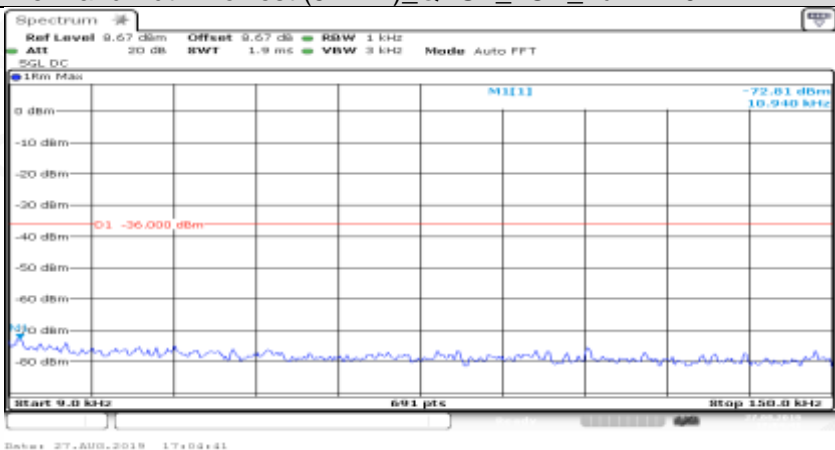
Co-existence	
Co-existence	
Co-existence	

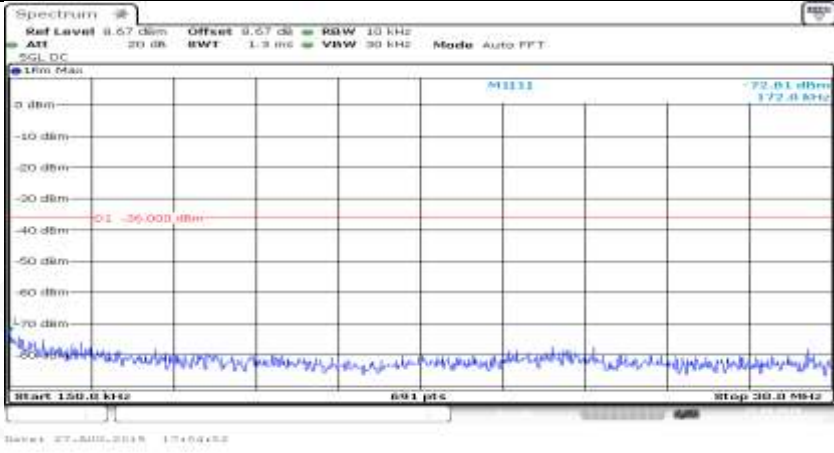
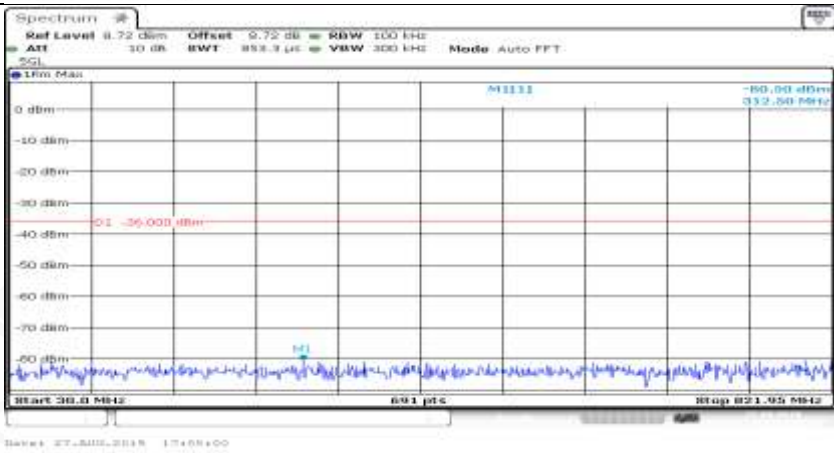
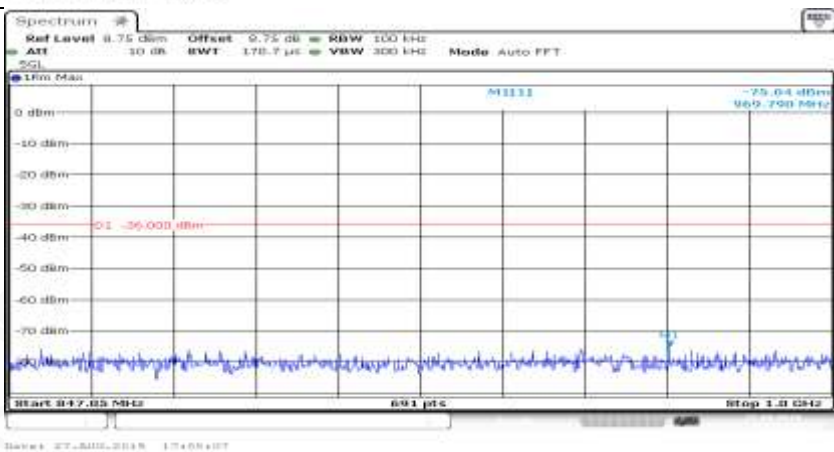


Co-existence	
Co-existence	
Co-existence	

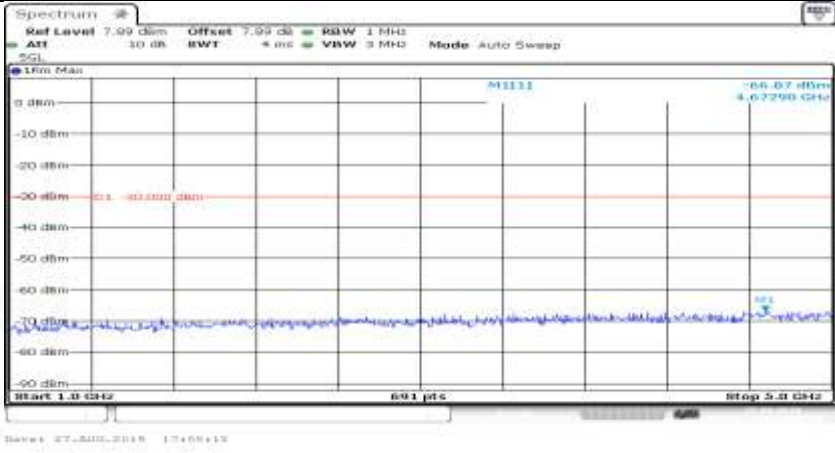

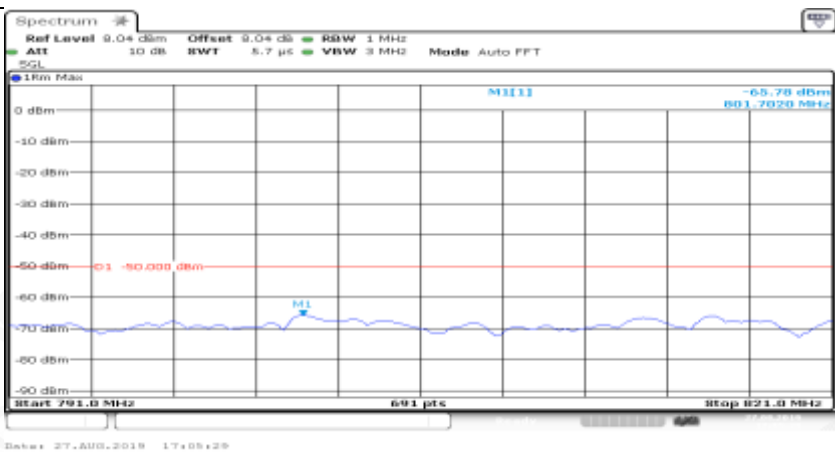


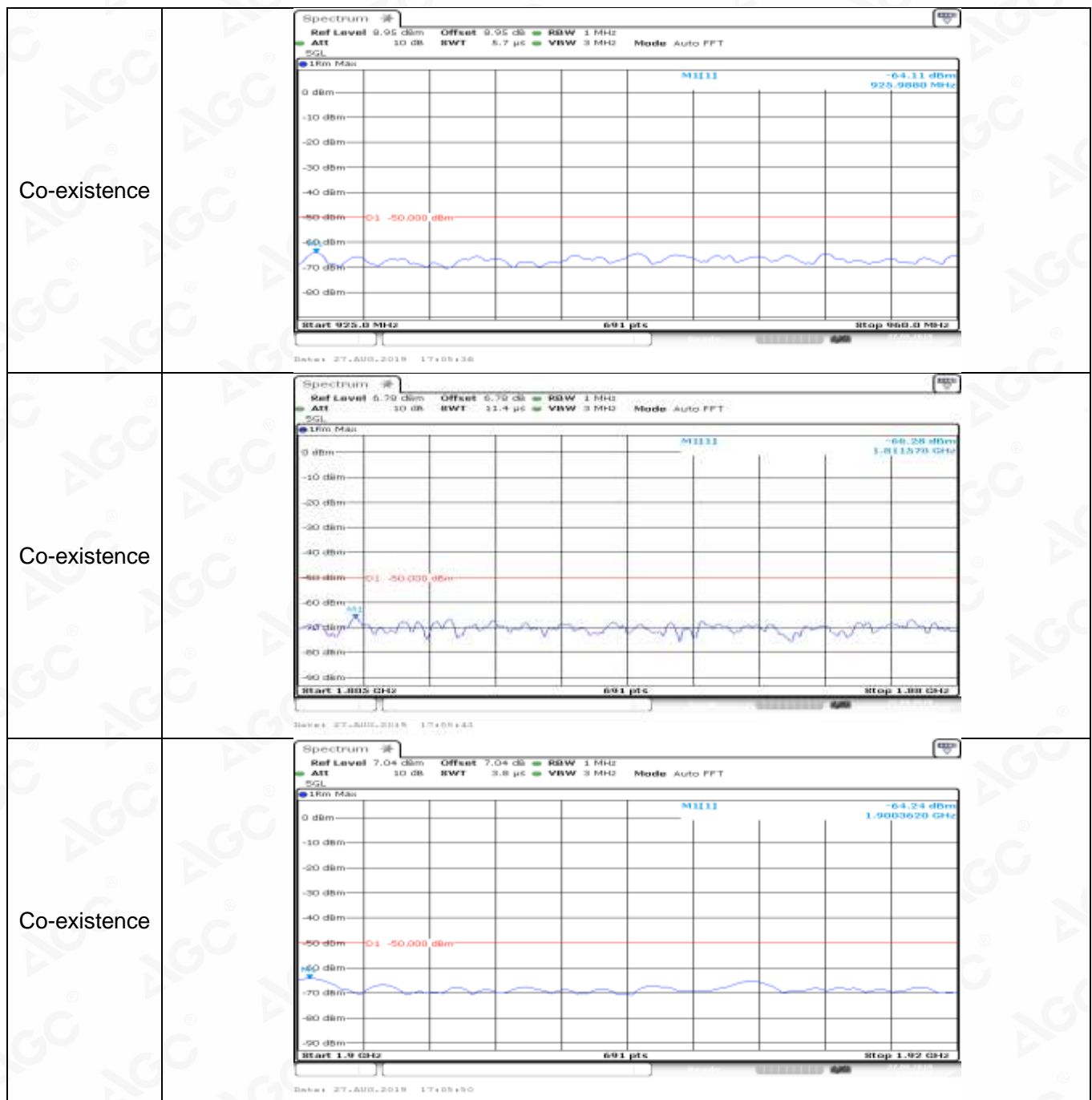
Co-existence	
Co-existence	
Additional	NA

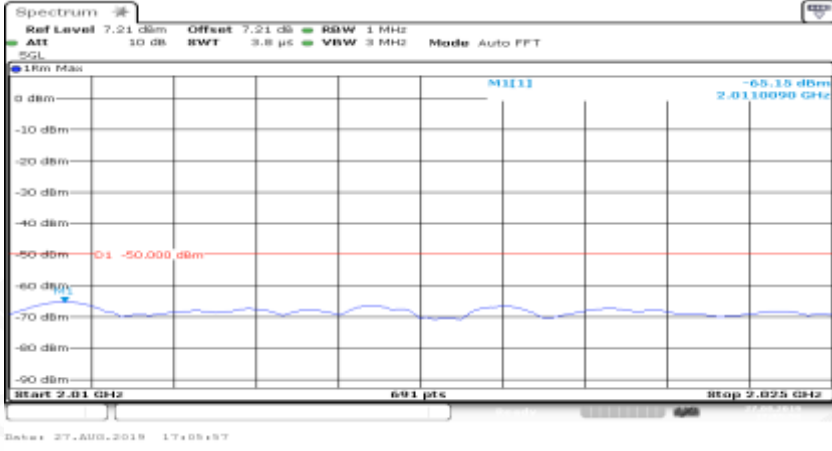
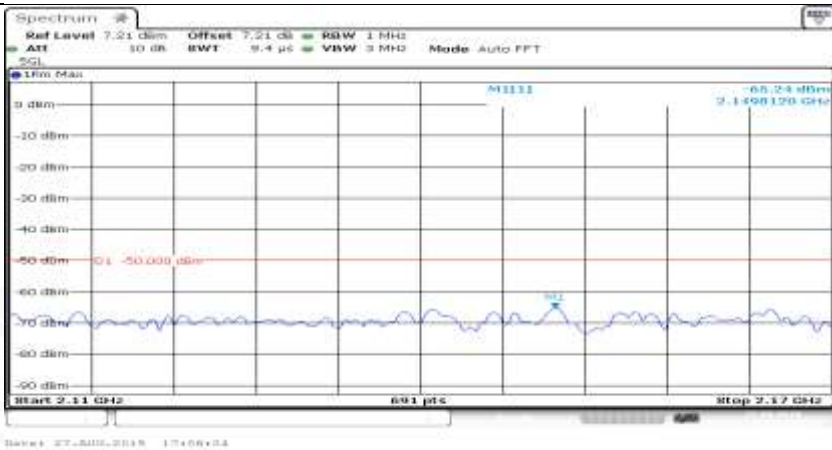
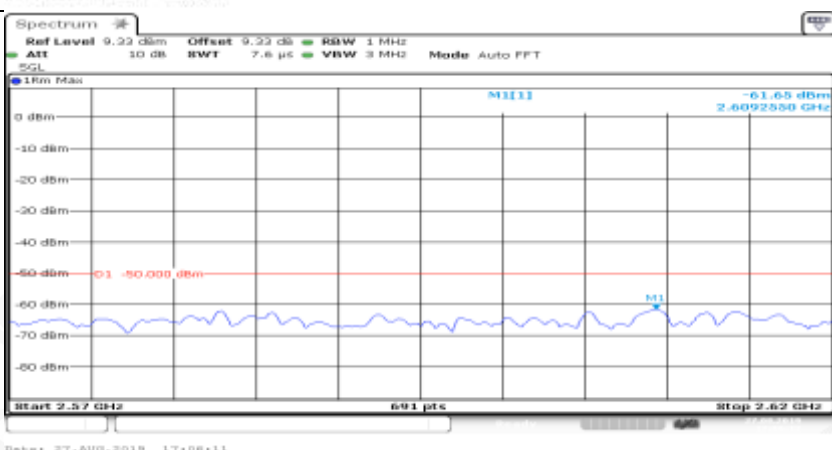
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	

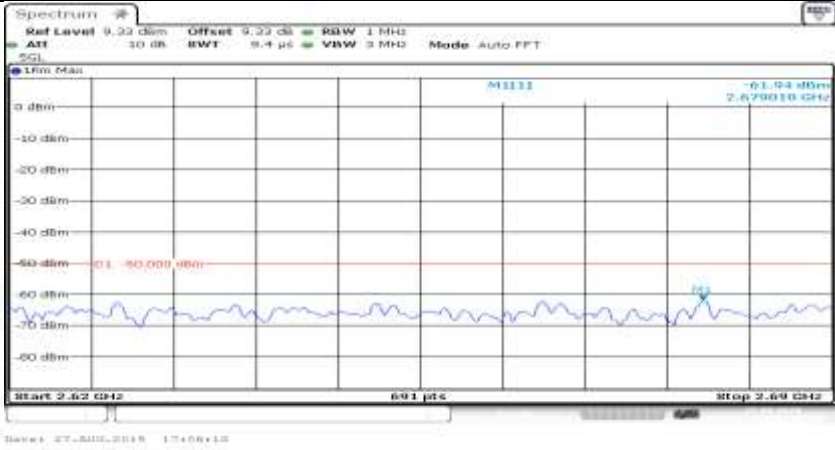
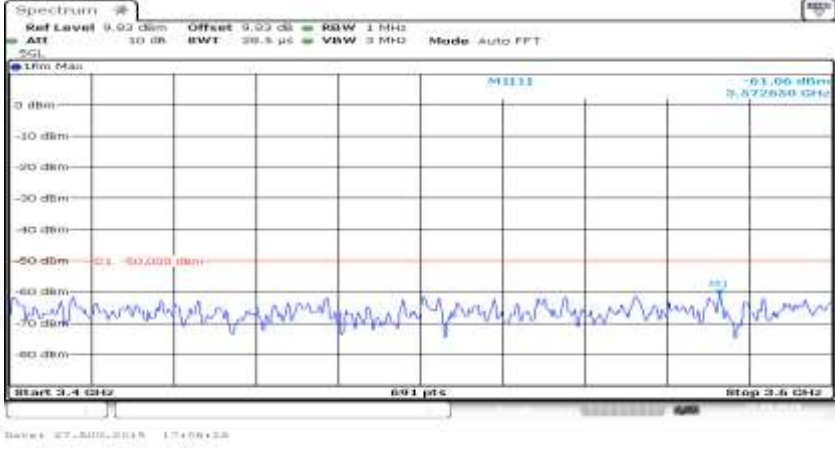
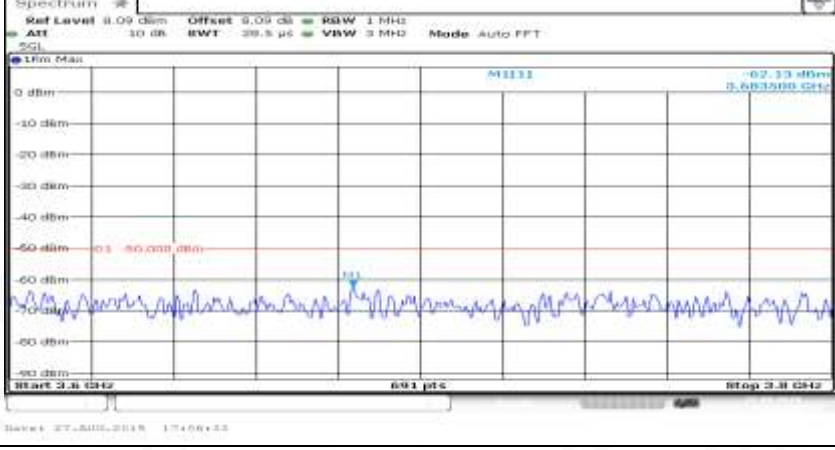
General	
General	
General	



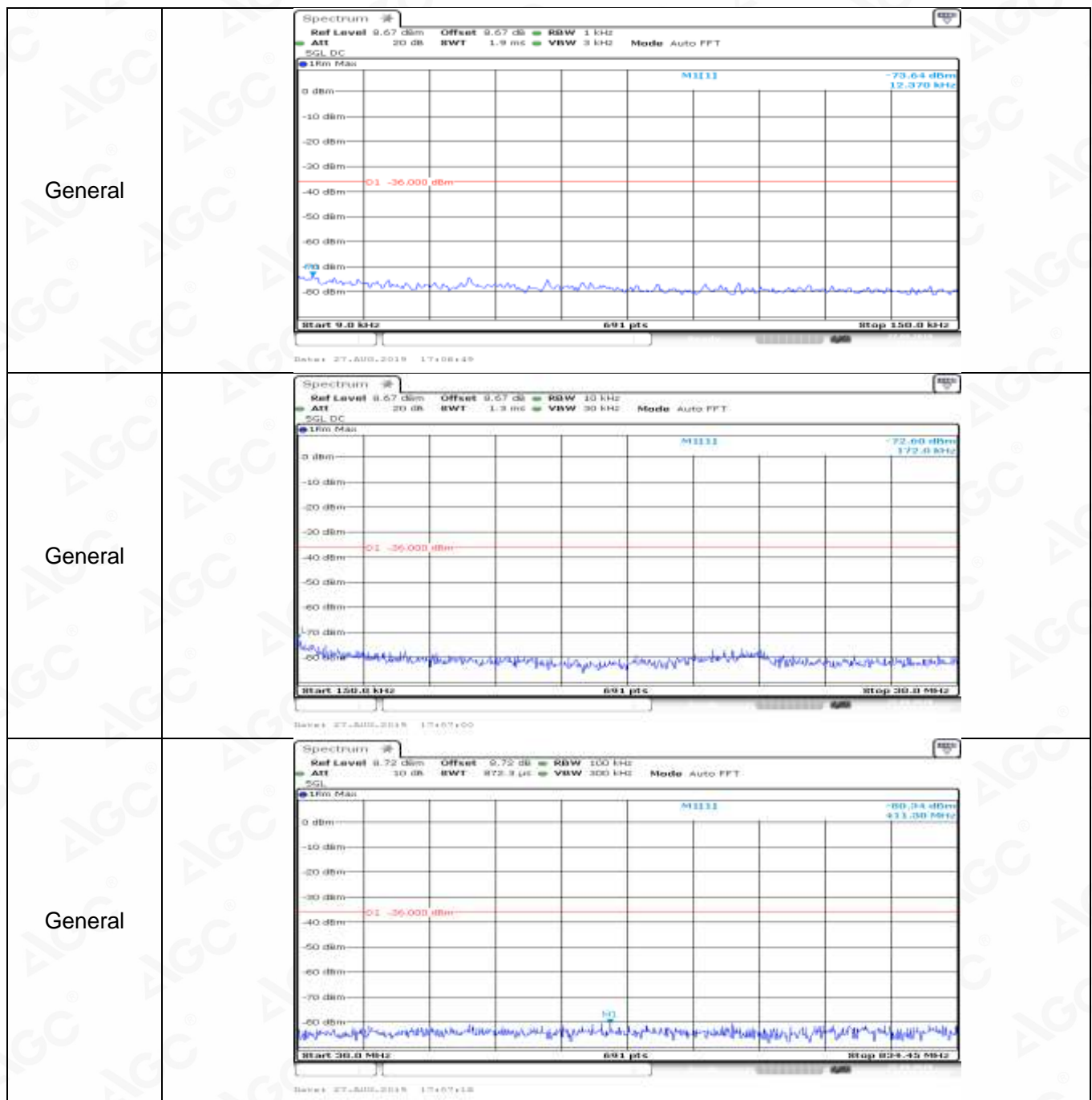
General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

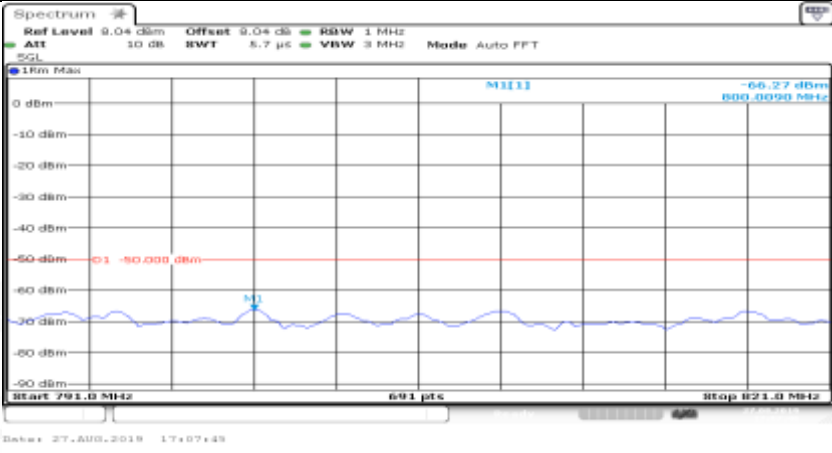
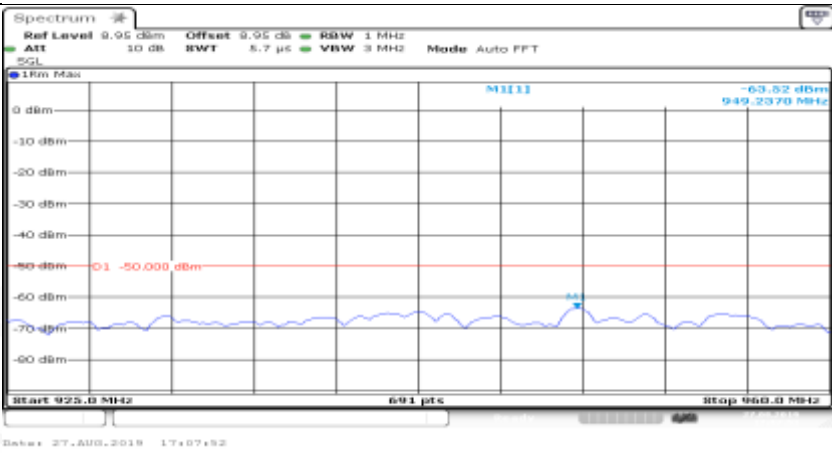
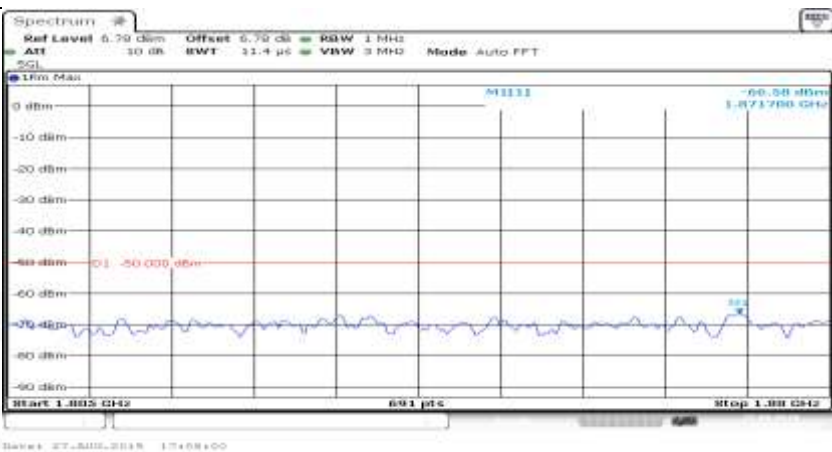
Co-existence	
Co-existence	
Co-existence	
Additional	NA

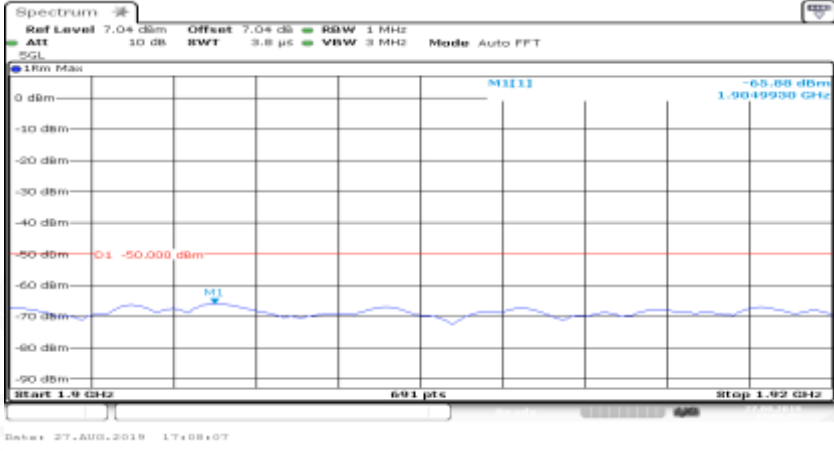
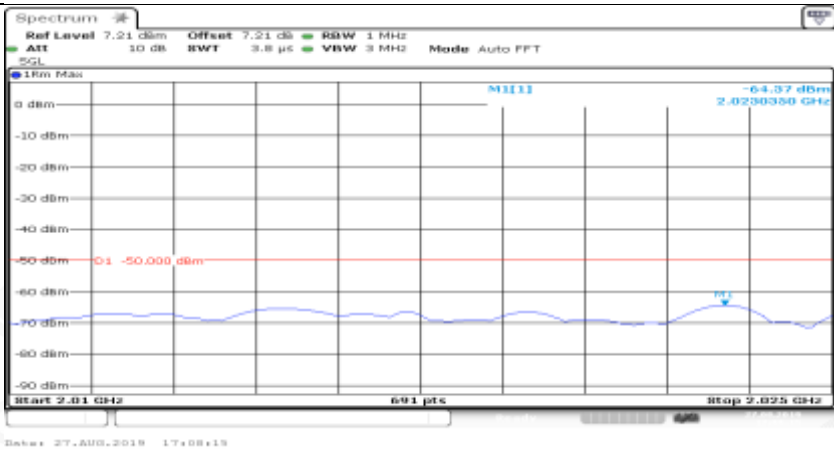
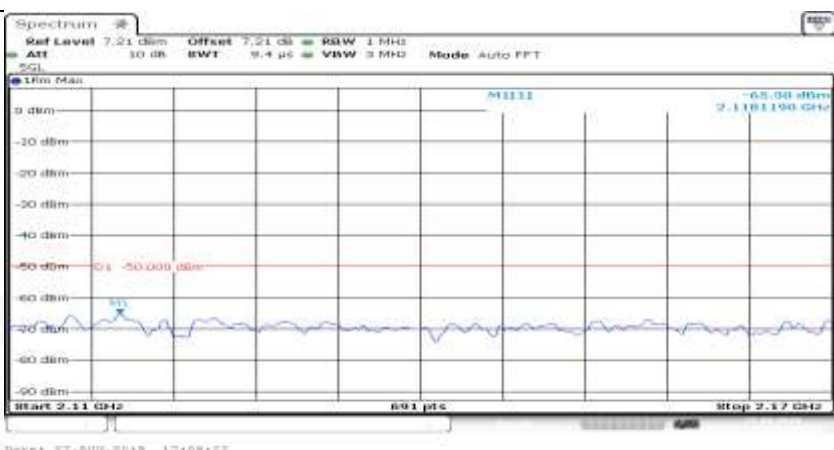
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0



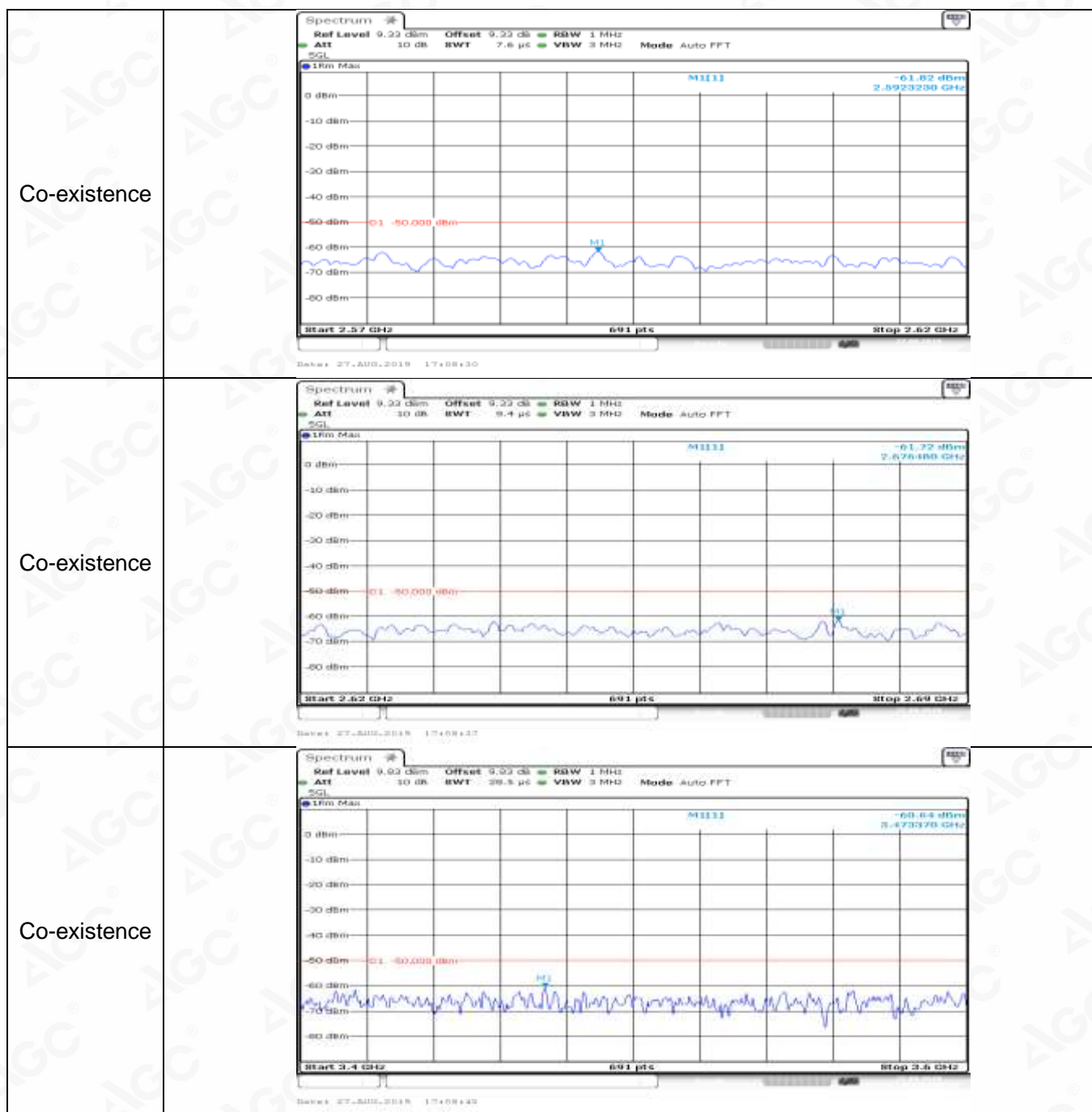


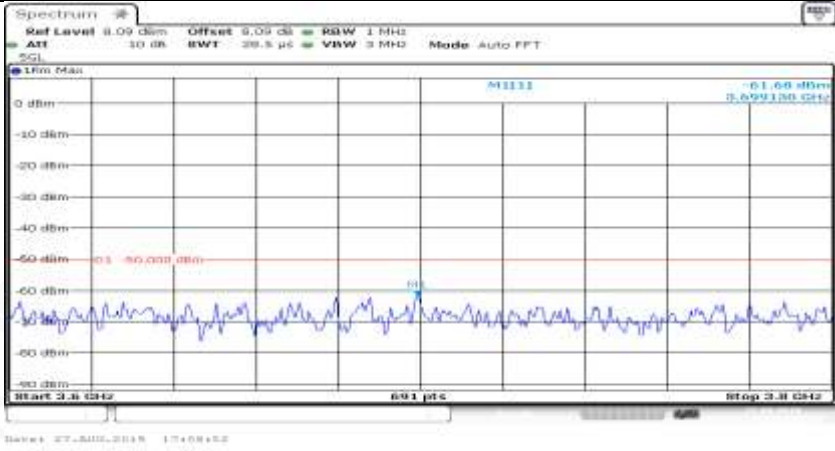
Attestation of Global Compliance

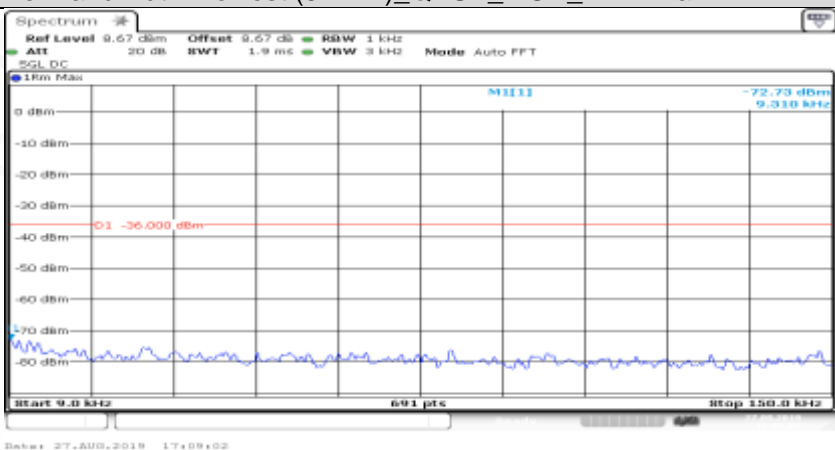
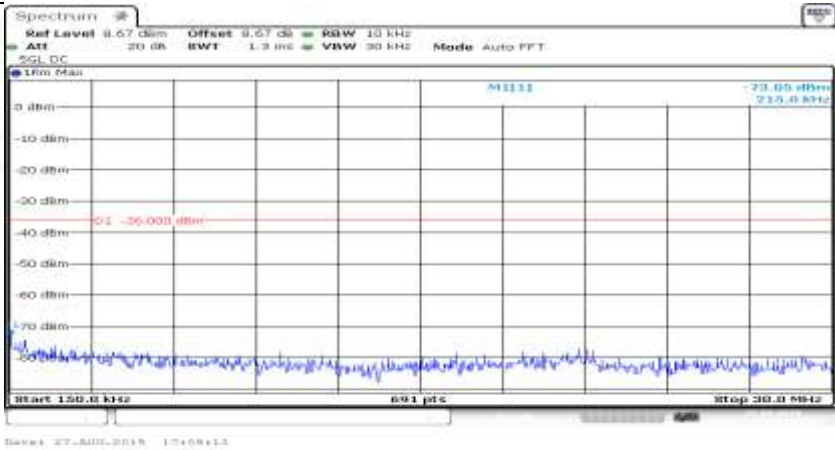
Co-existence	
Co-existence	
Co-existence	

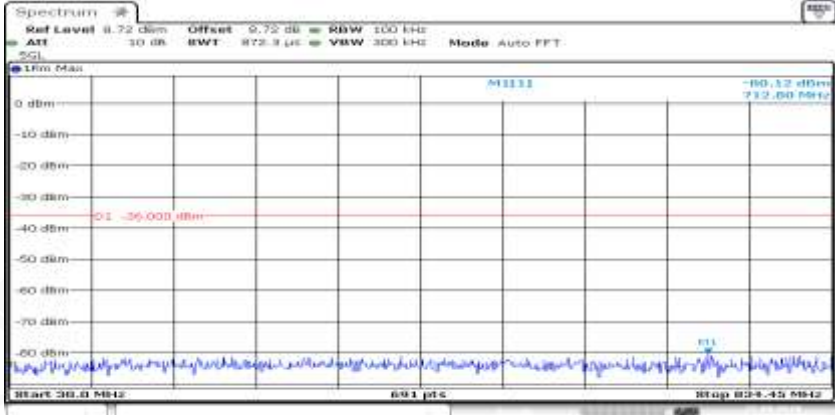
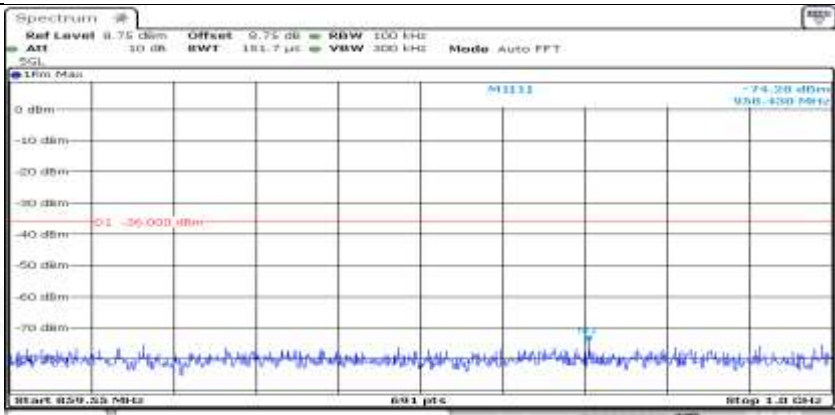
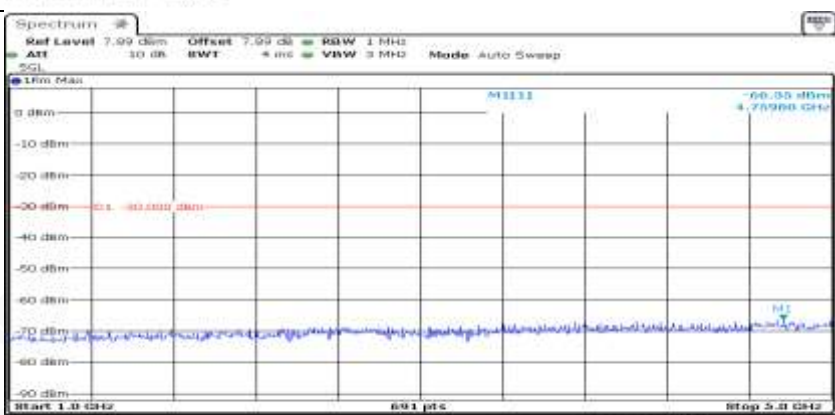
Co-existence	
Co-existence	
Co-existence	

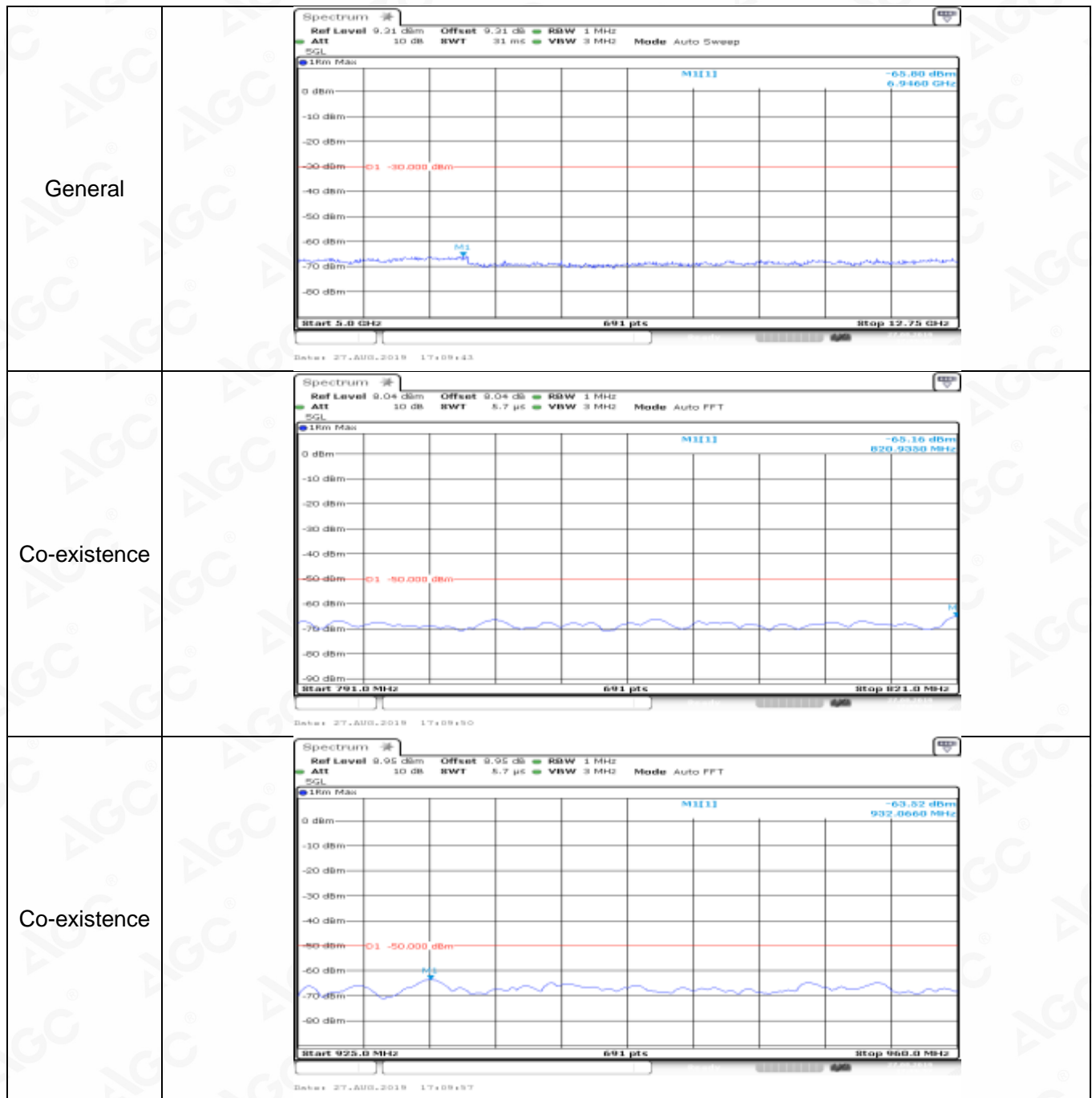


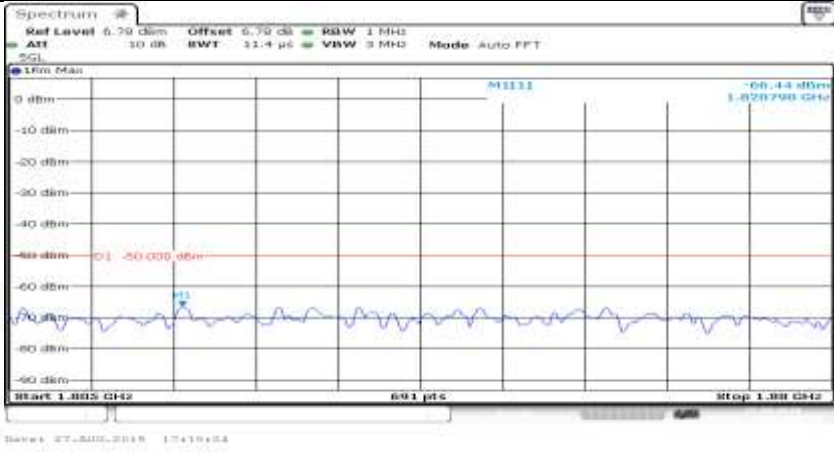
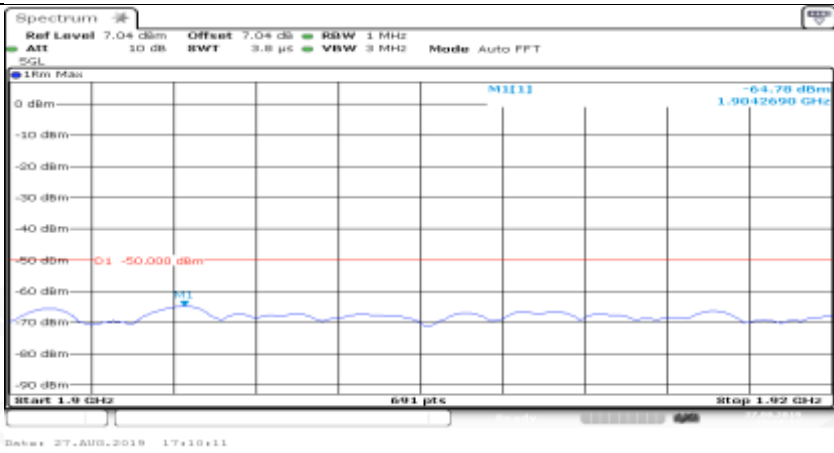
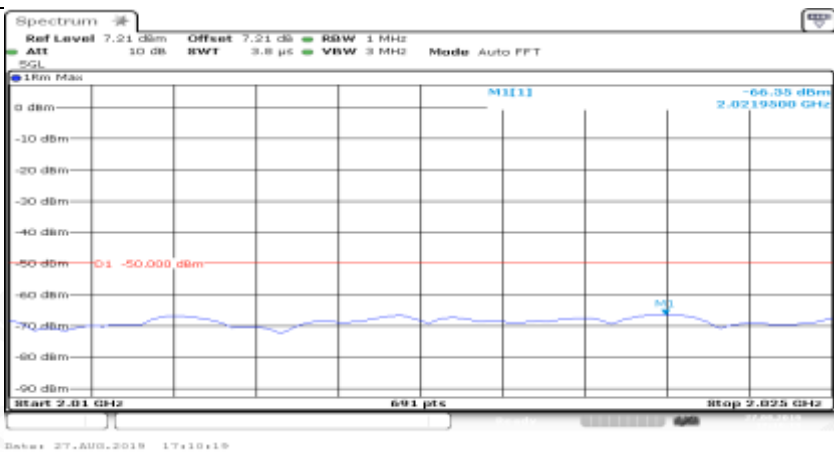


Co-existence	
Additional	NA

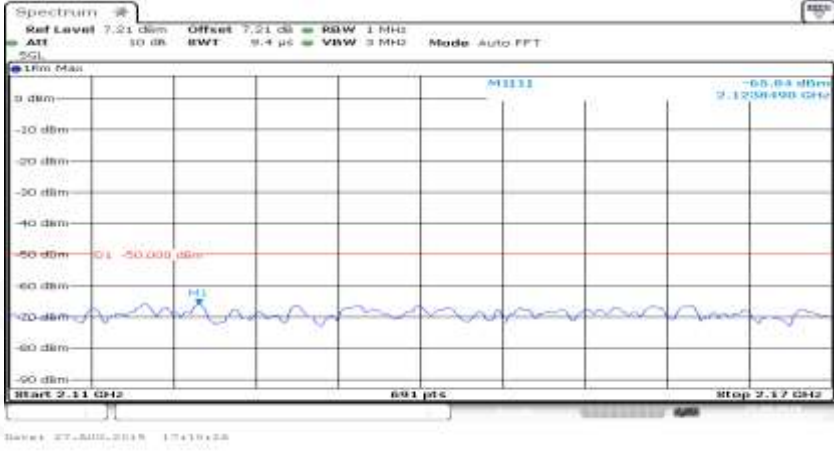
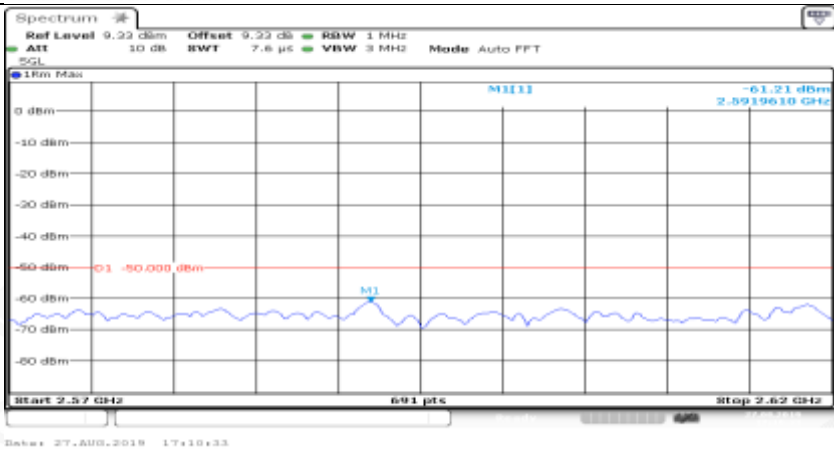
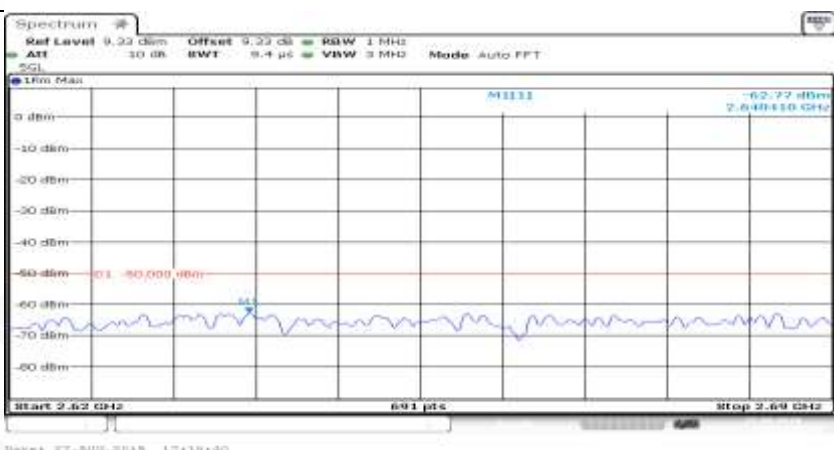
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	
General	

General	
General	
General	

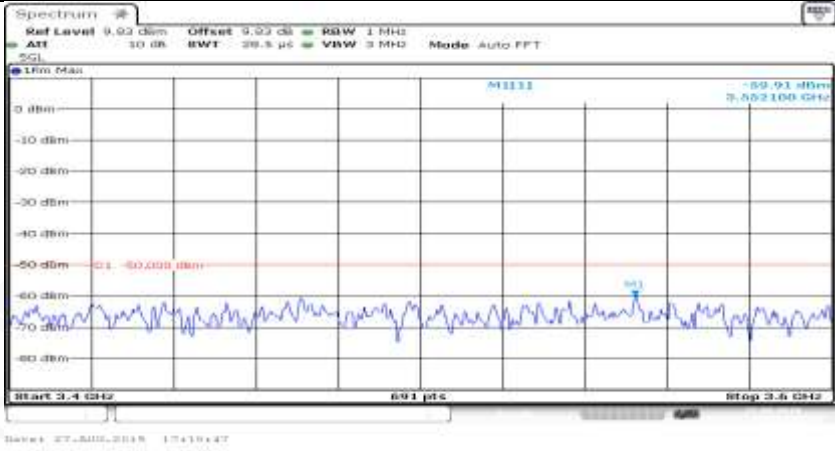
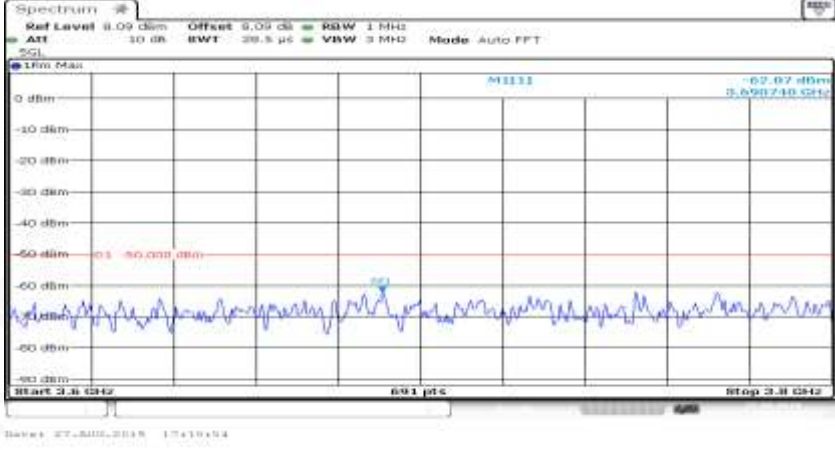


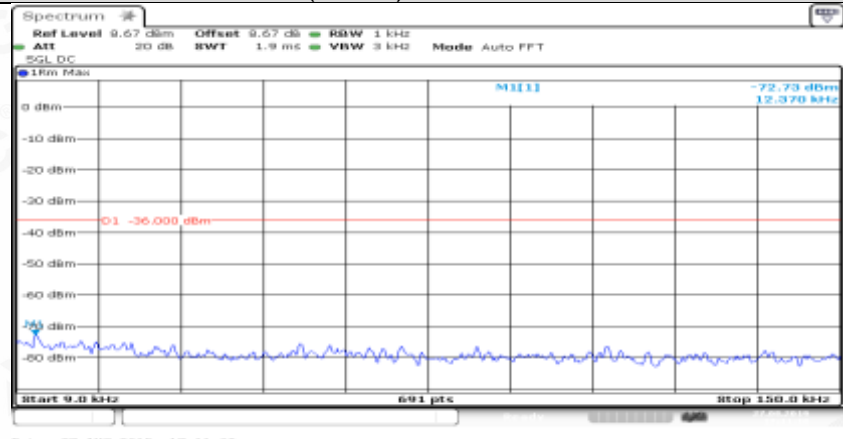
Co-existence	
Co-existence	
Co-existence	

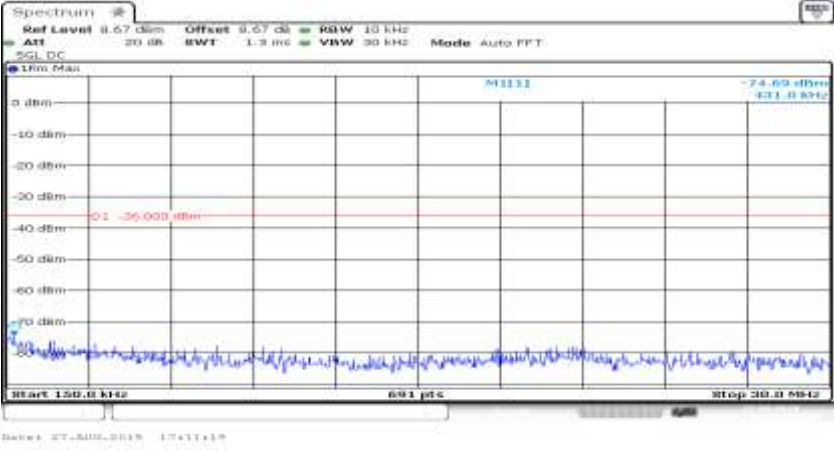

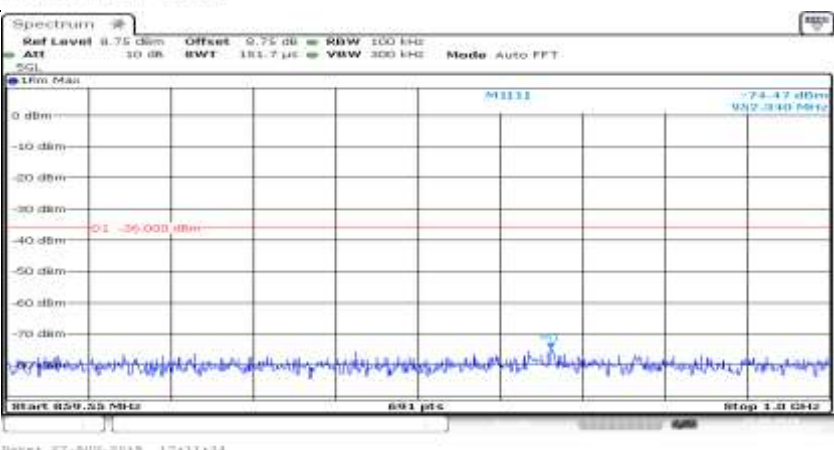


Co-existence	
Co-existence	
Co-existence	

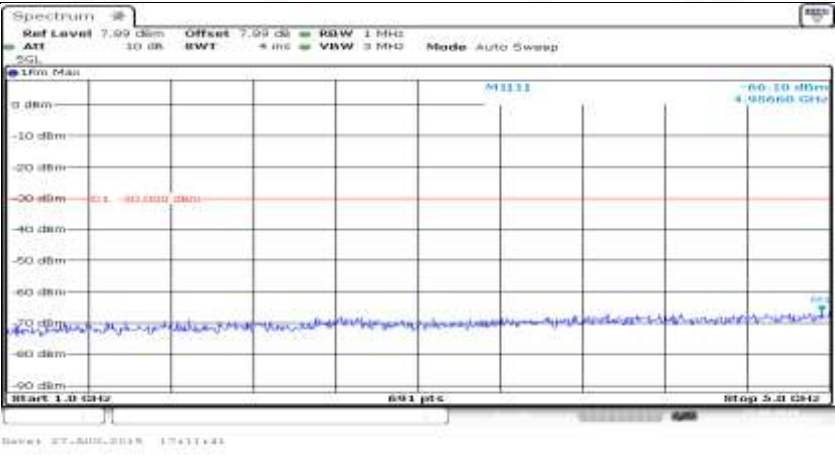
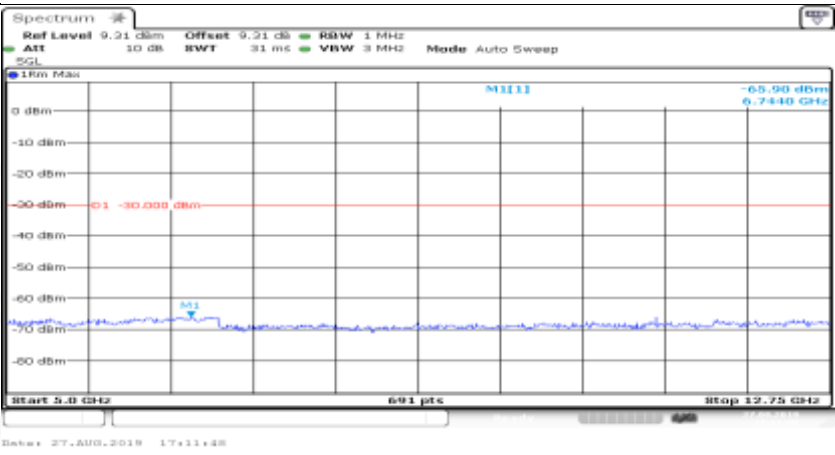
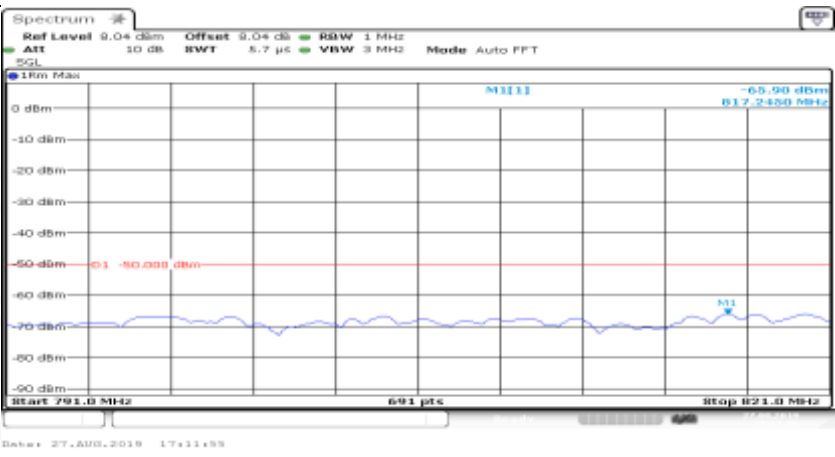


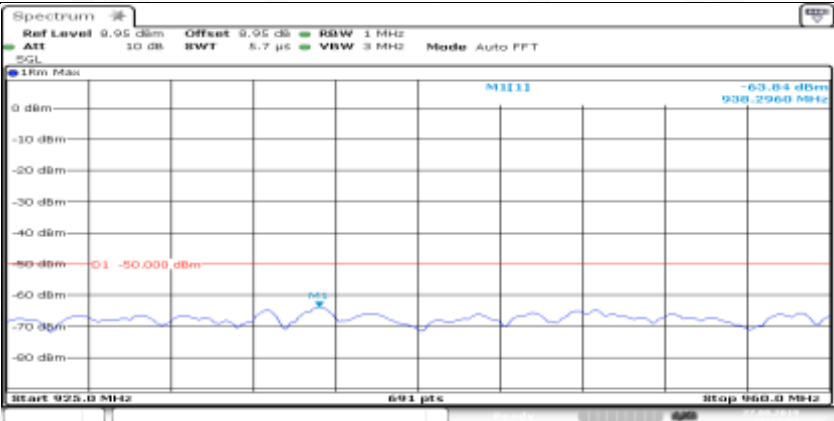
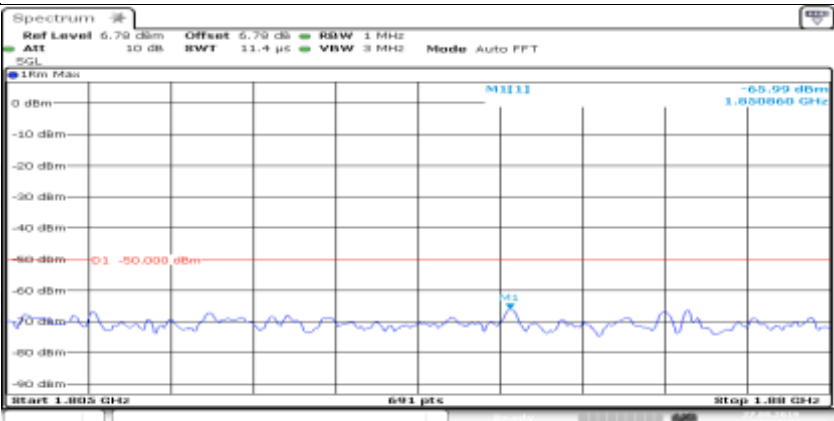
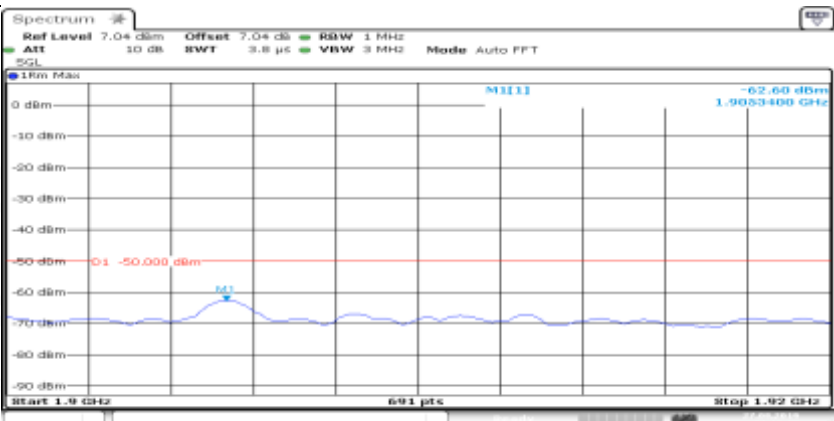
Co-existence	
Co-existence	
Additional	NA

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

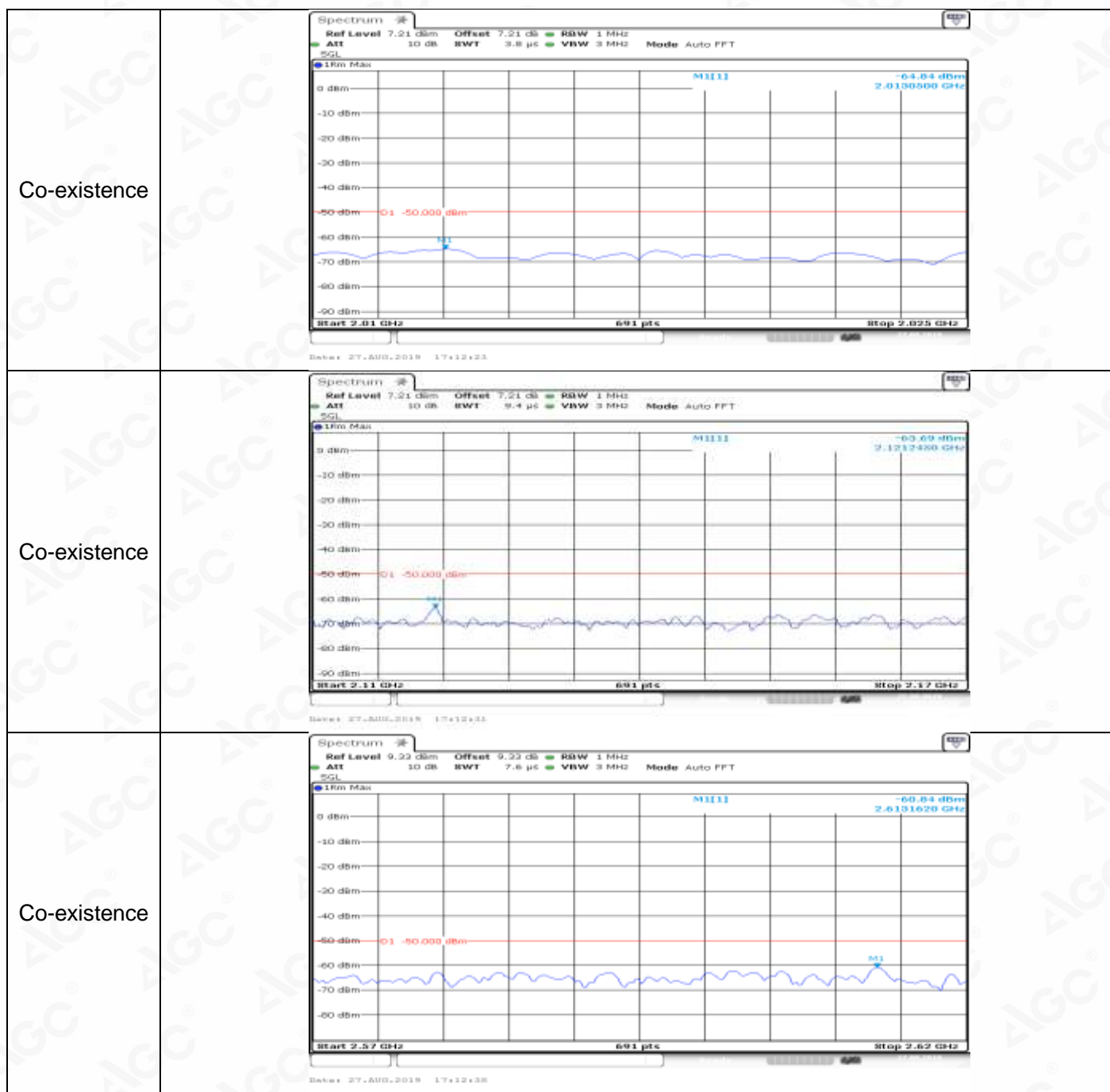
General	
General	
General	


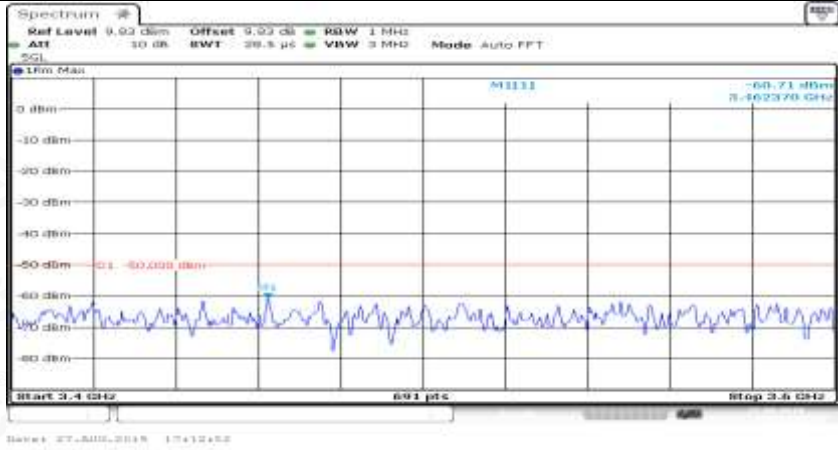
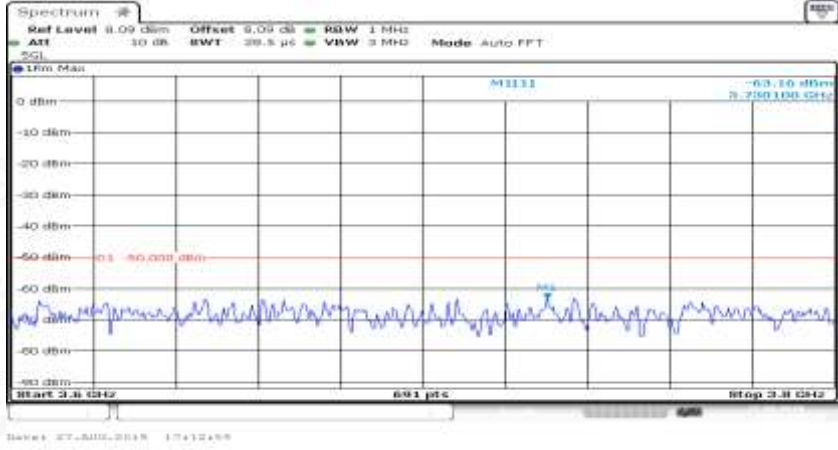


General	
General	
Co-existence	

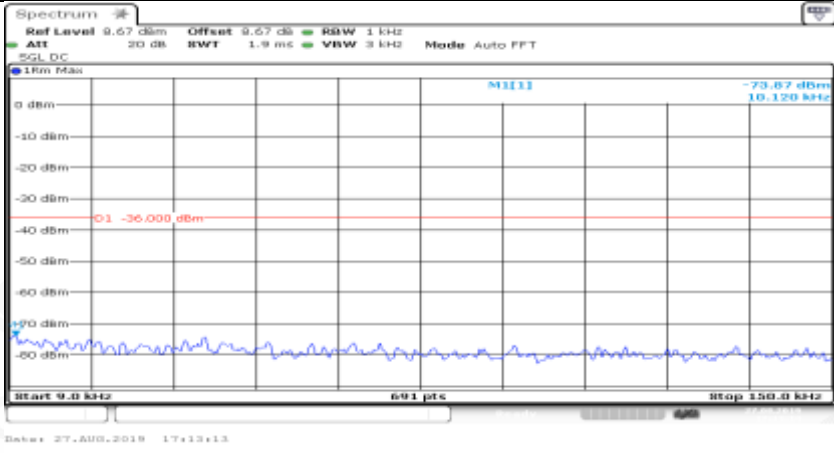
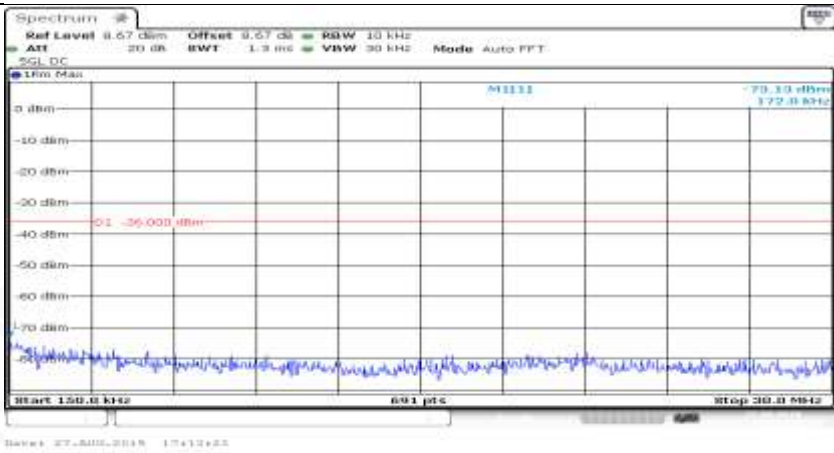
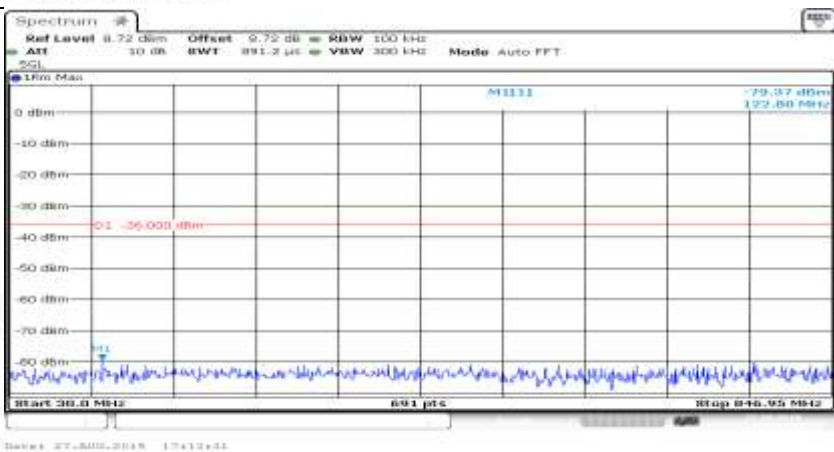
Co-existence	
Co-existence	
Co-existence	



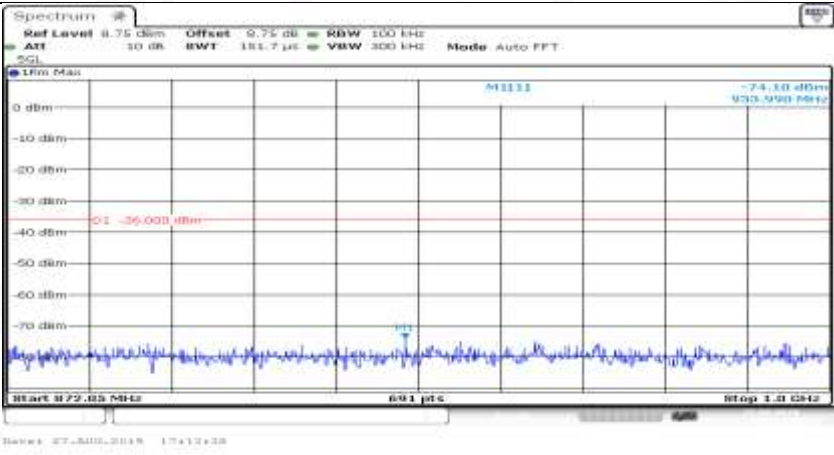
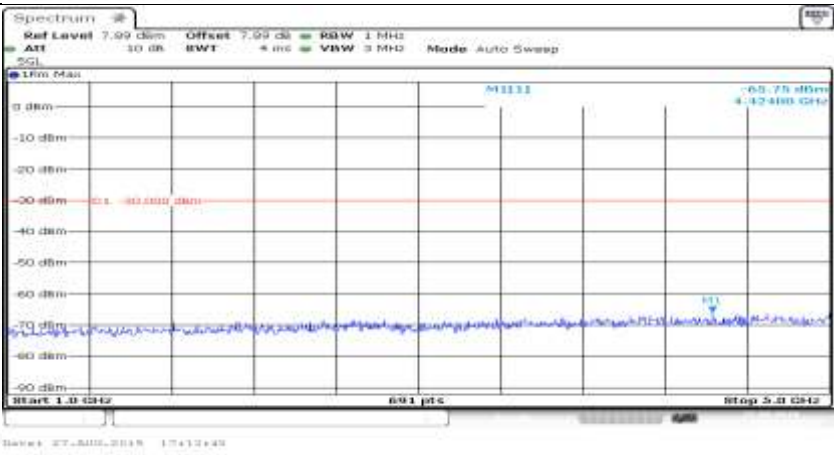
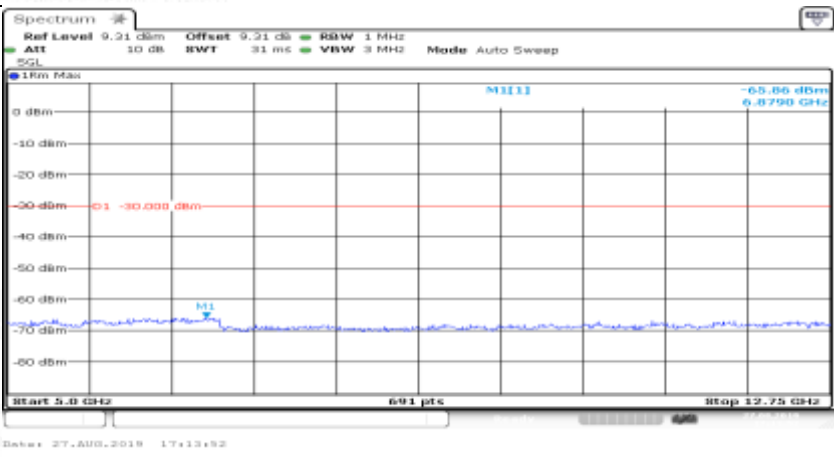


Co-existence	
Co-existence	
Co-existence	
Additional	NA

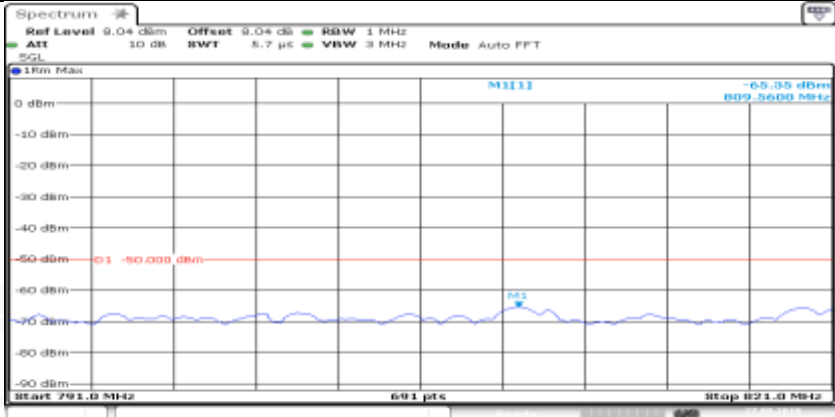
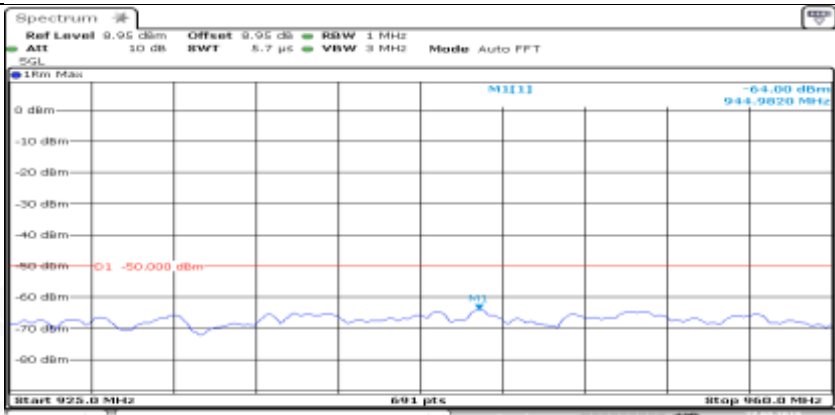
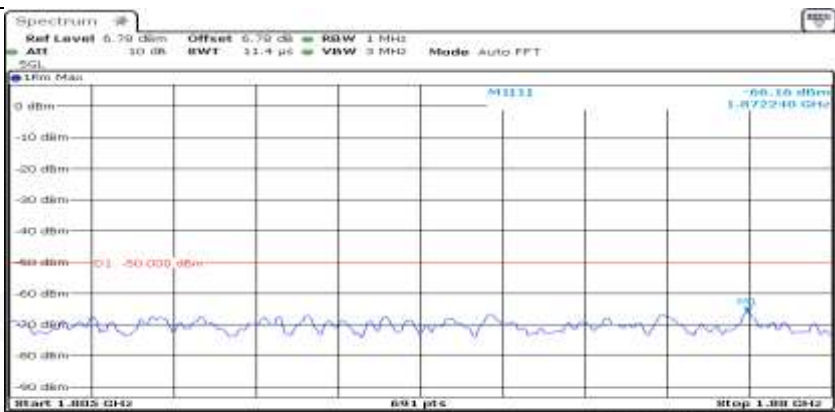
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#0

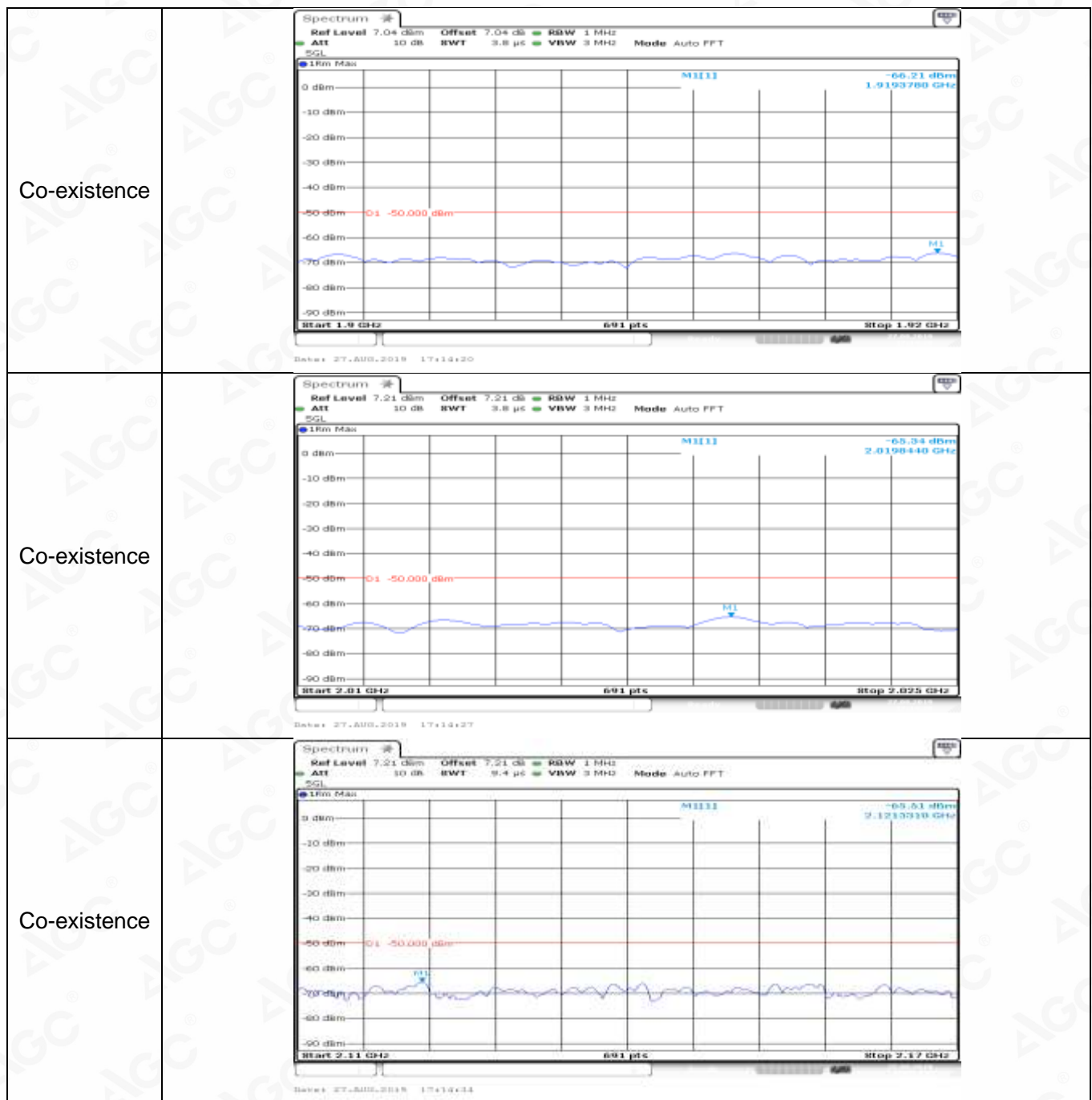
General	
General	
General	

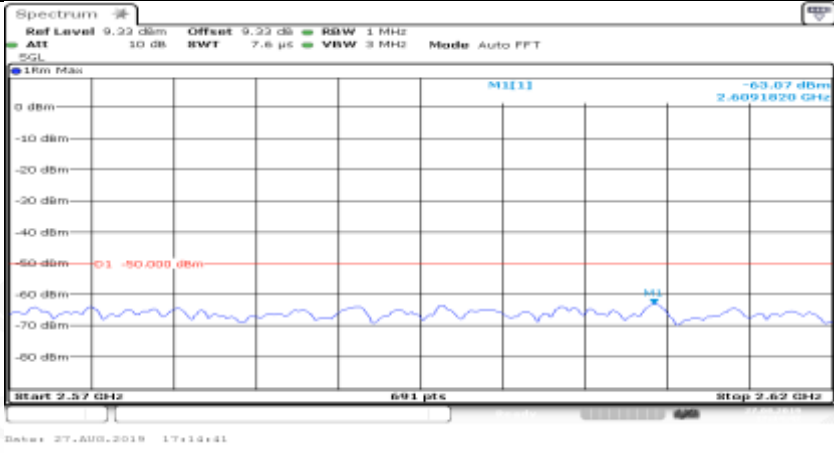

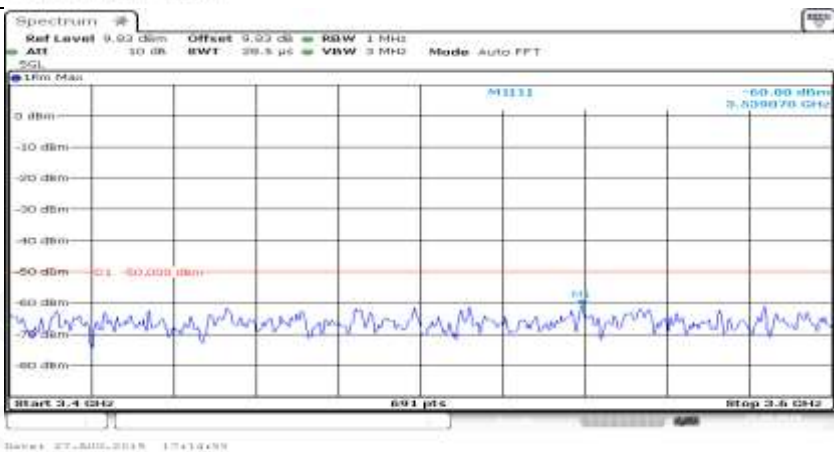


General	
General	
General	

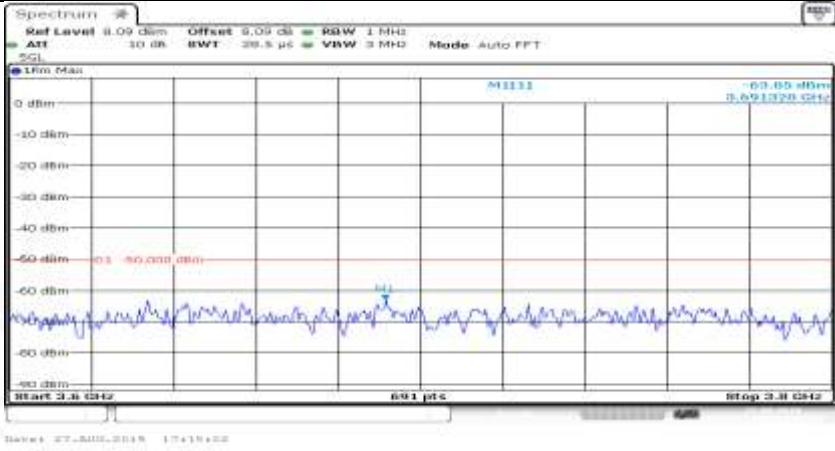


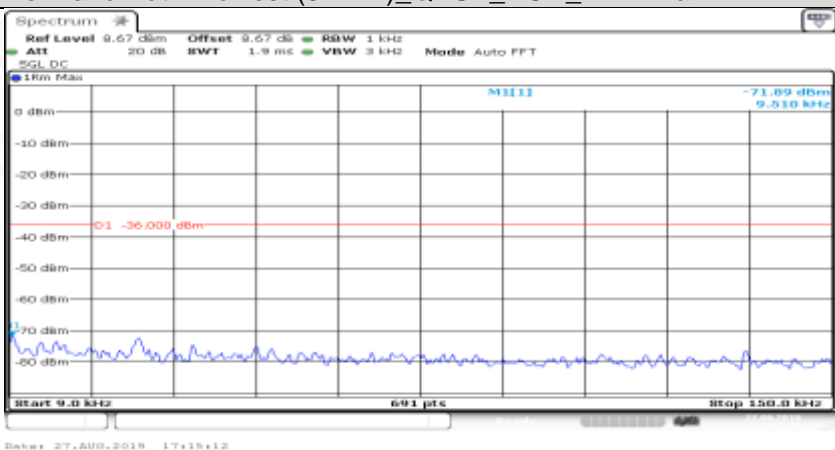
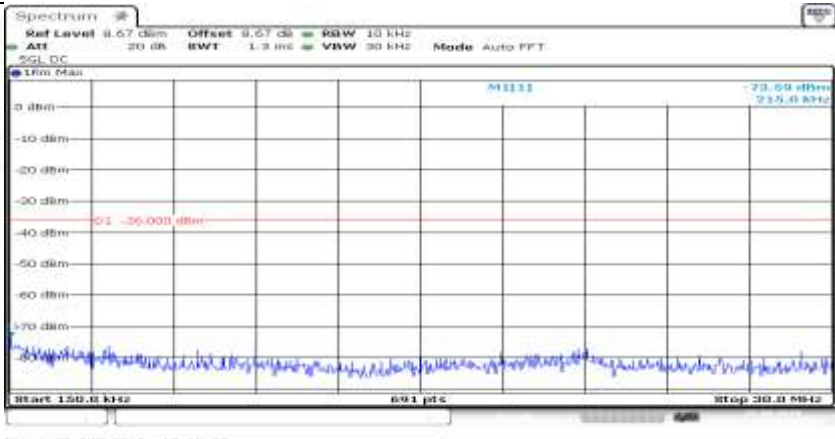
Co-existence	 <p>Start 291.0 MHz Stop 292.0 MHz</p> <p>Date: 27.AUG.2019 17:13:59</p>
Co-existence	 <p>Start 925.0 MHz Stop 926.0 MHz</p> <p>Date: 27.AUG.2019 17:14:06</p>
Co-existence	 <p>Start 1.3005 GHz Stop 1.301 GHz</p> <p>Date: 27.AUG.2019 17:14:13</p>

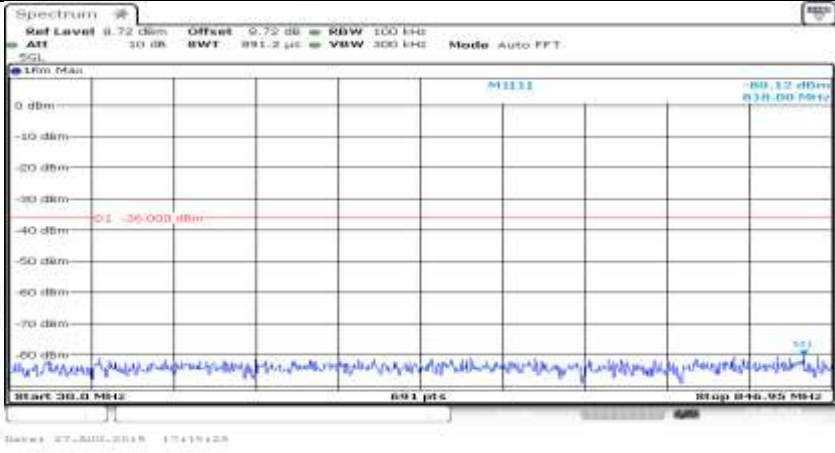
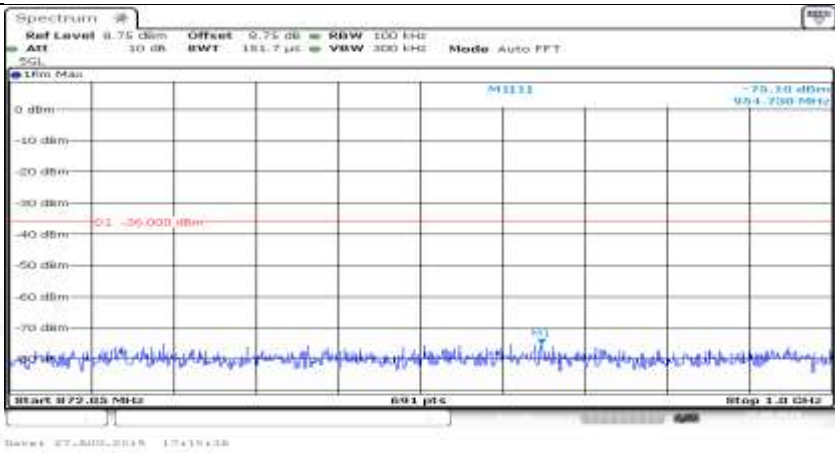
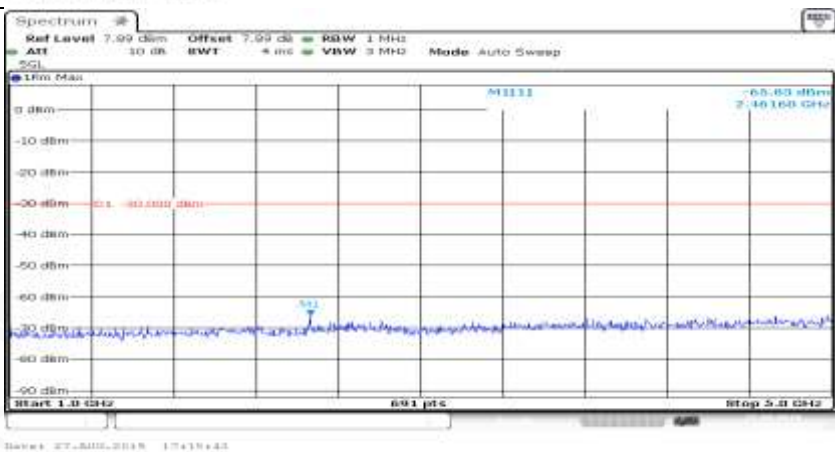


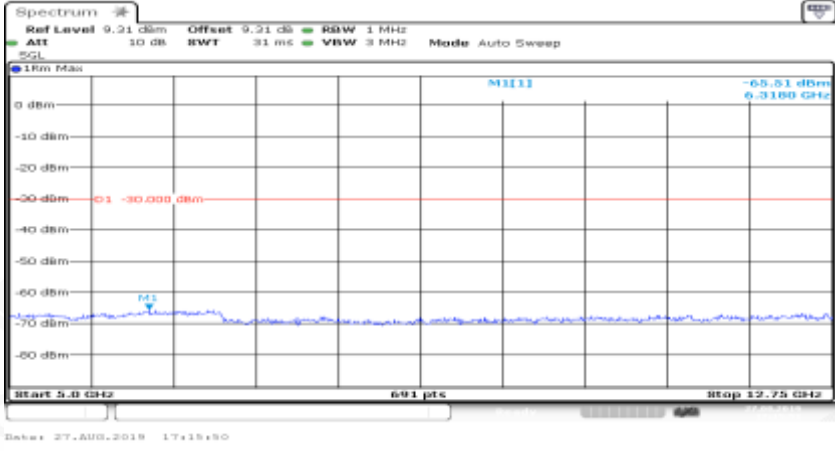
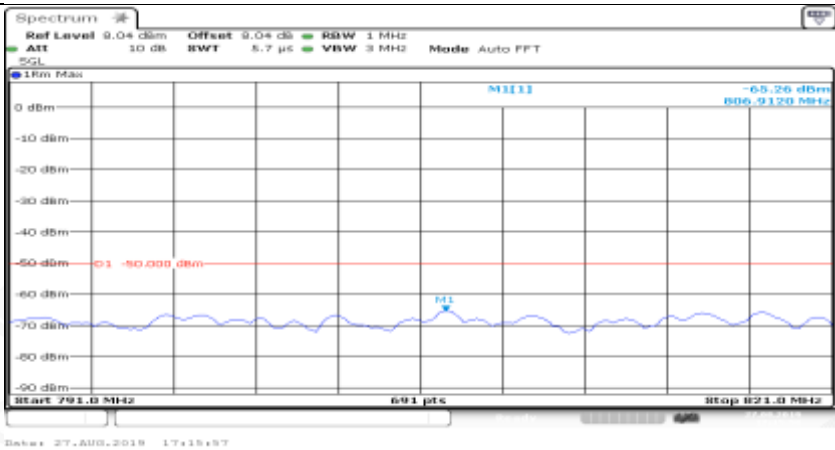
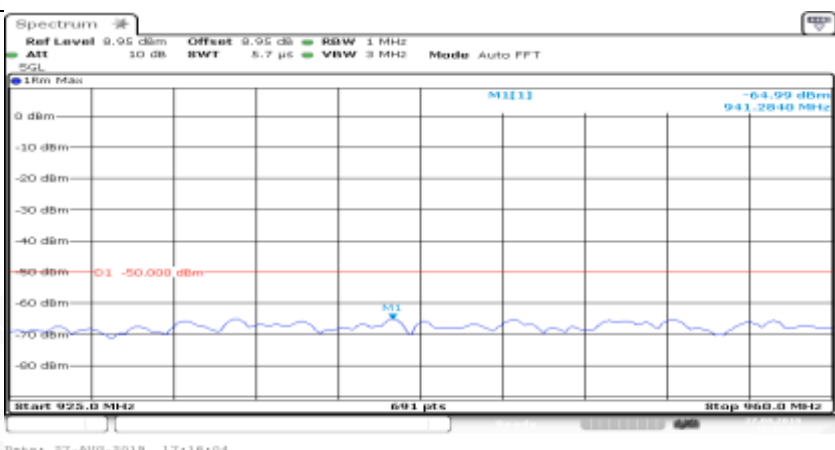
Co-existence	
Co-existence	
Co-existence	

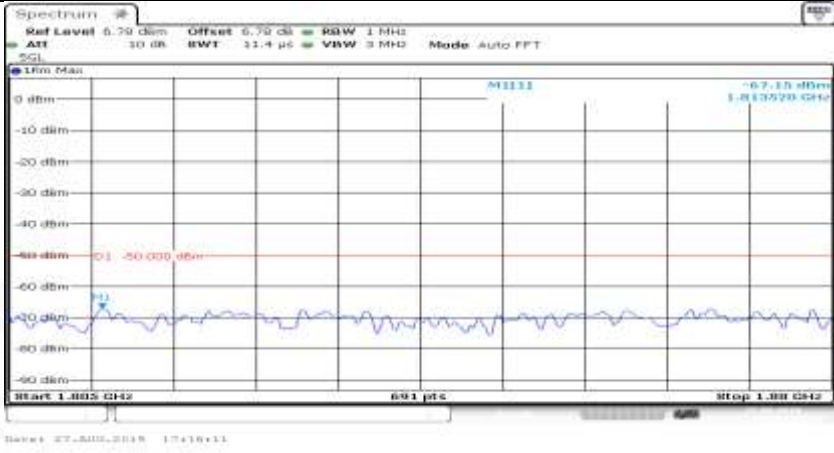
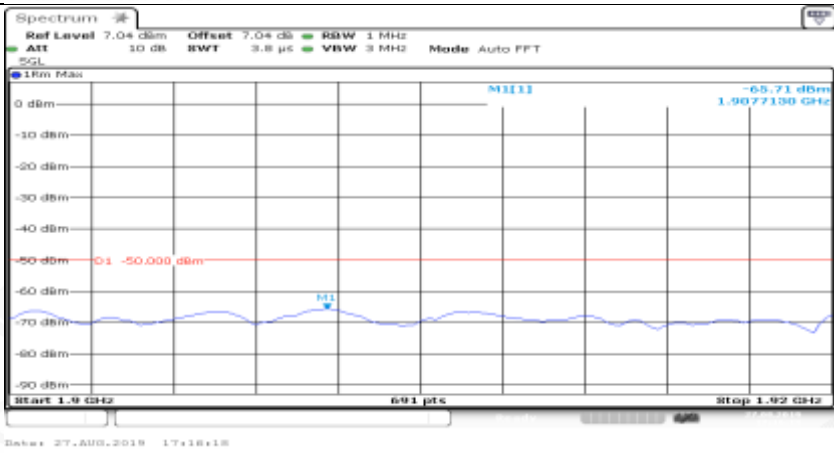
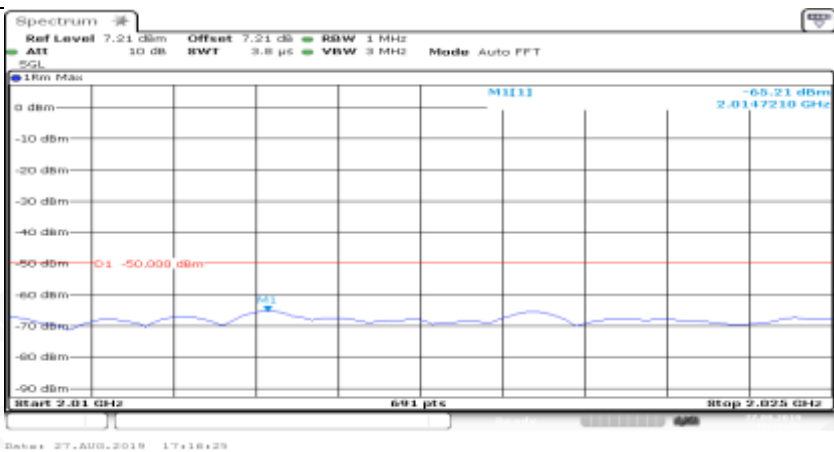


Co-existence	
Additional	NA


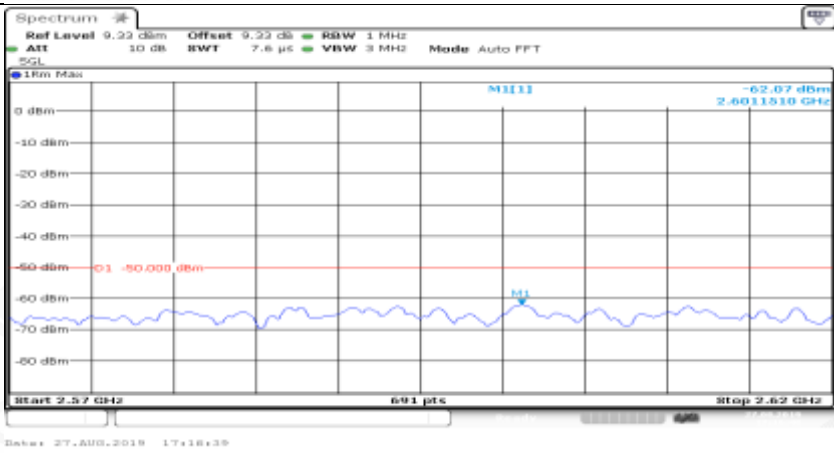

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	

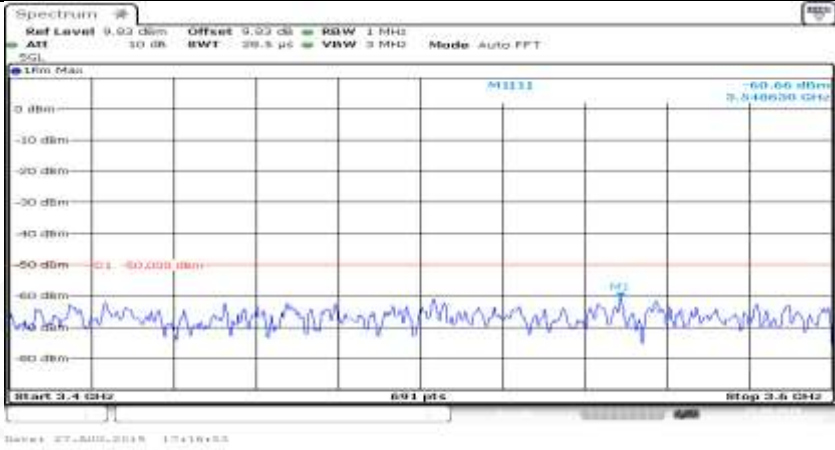

General	
Co-existence	
Co-existence	

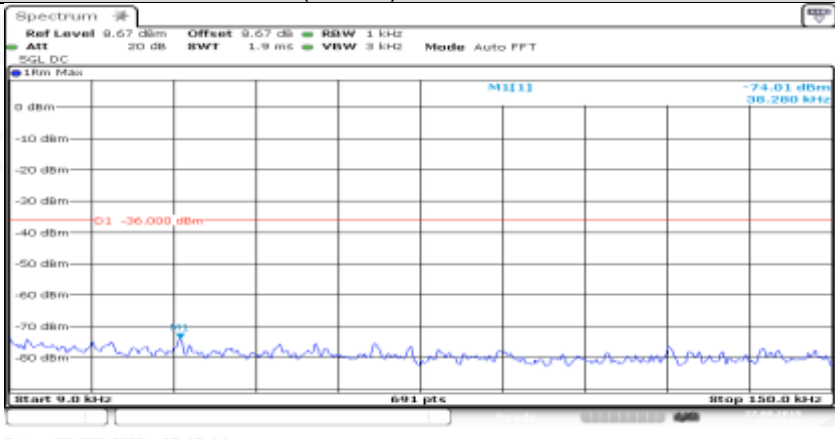
Co-existence	
Co-existence	
Co-existence	

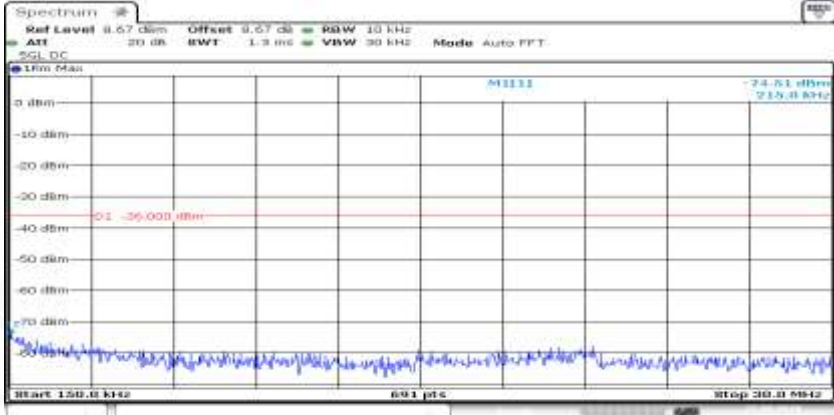
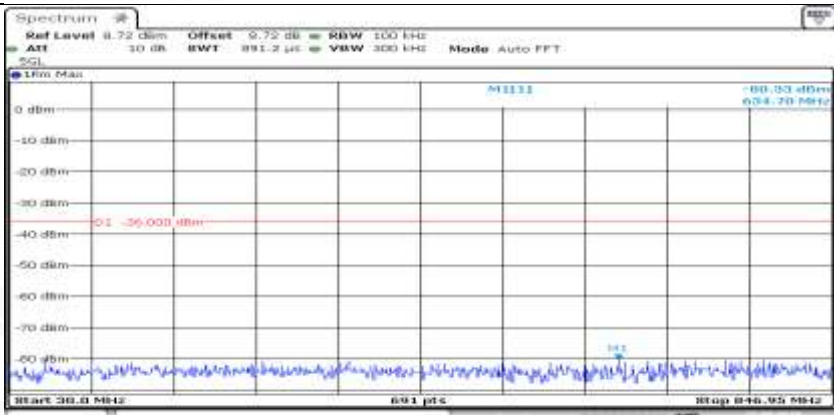
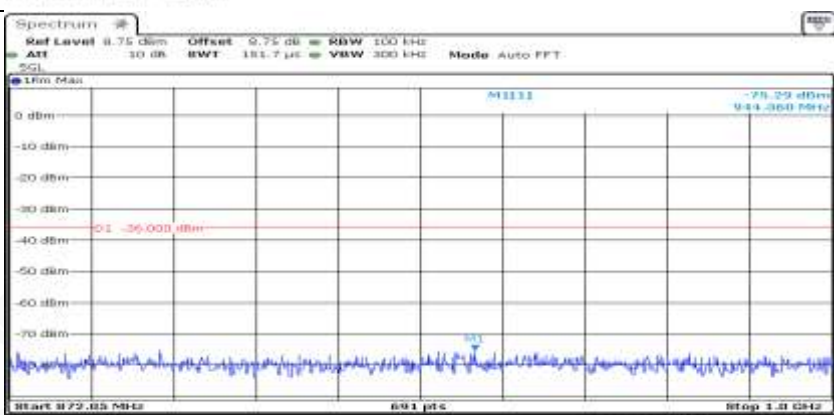


Co-existence	
Co-existence	
Co-existence	

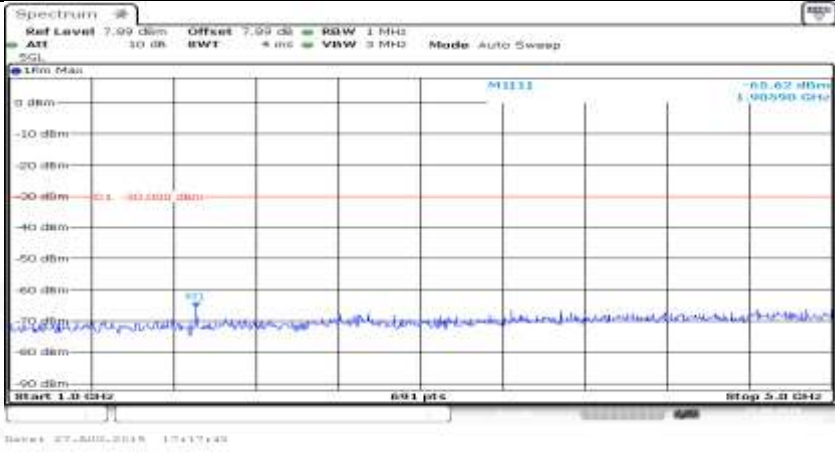
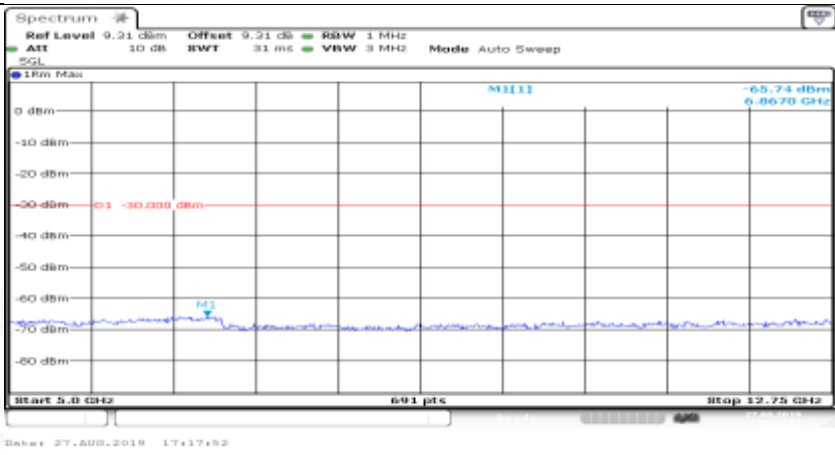
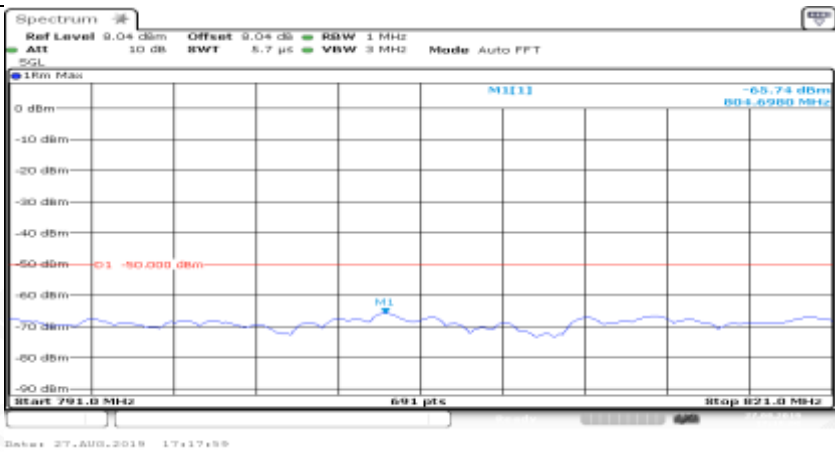


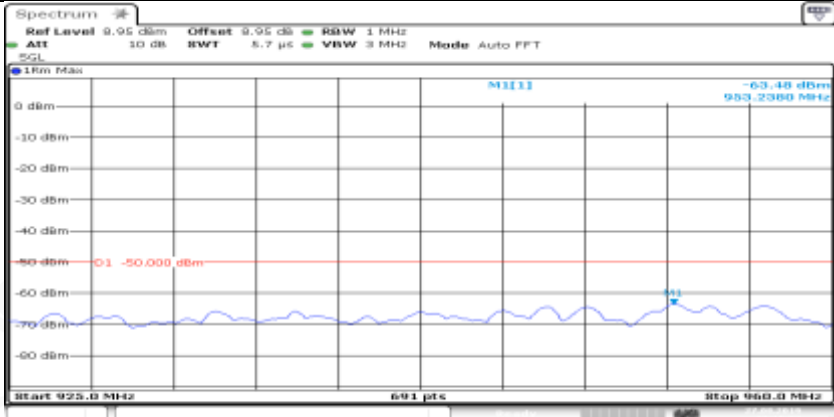
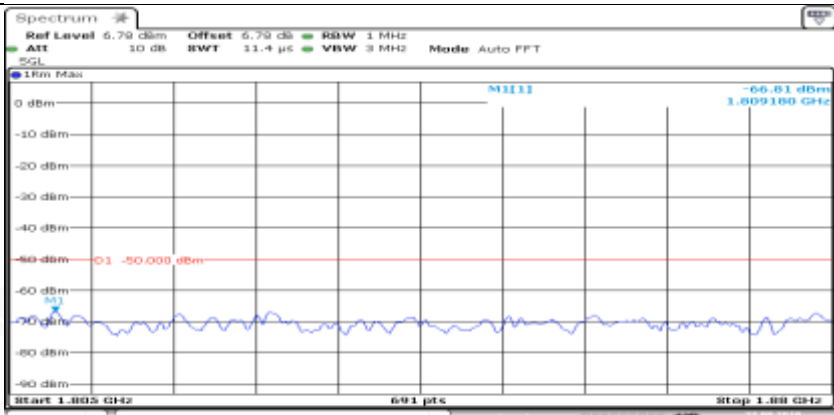
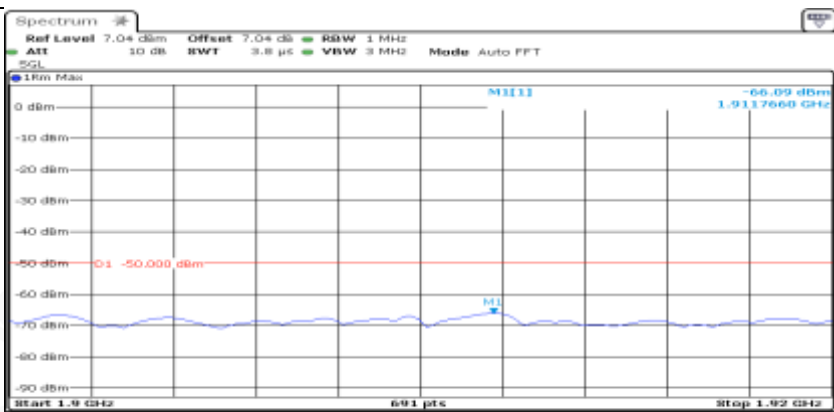
Co-existence	
Co-existence	
Additional	NA

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

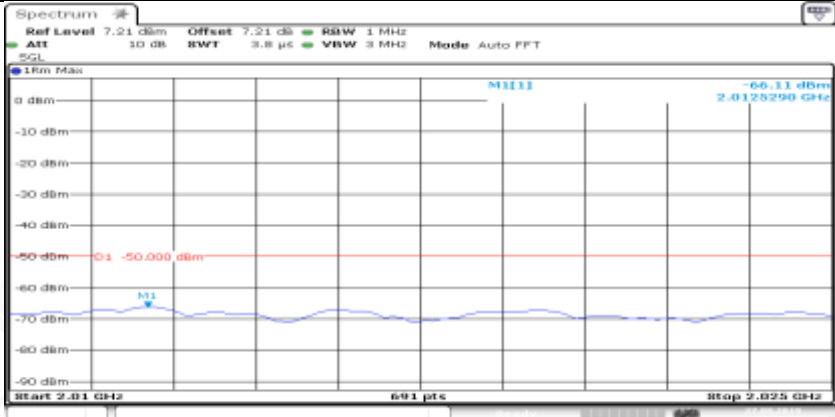
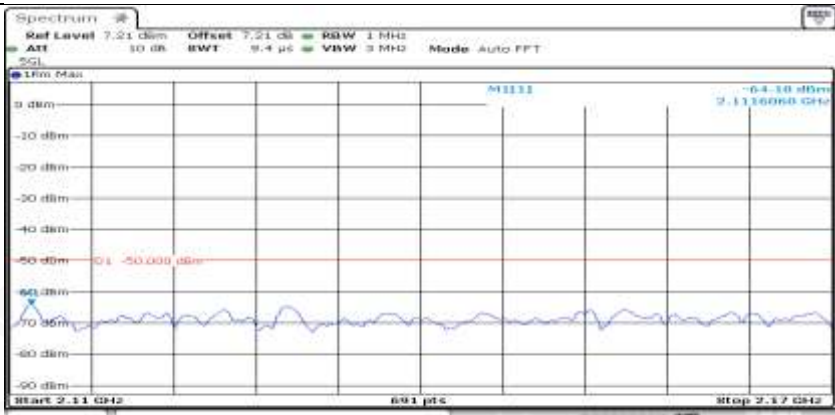
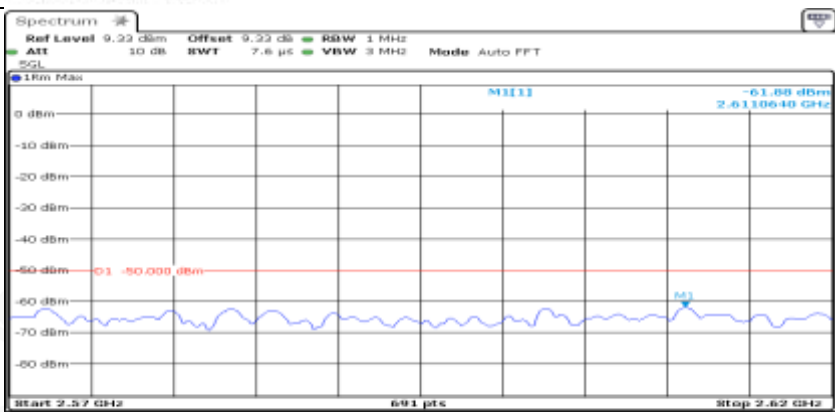
General	
General	
General	

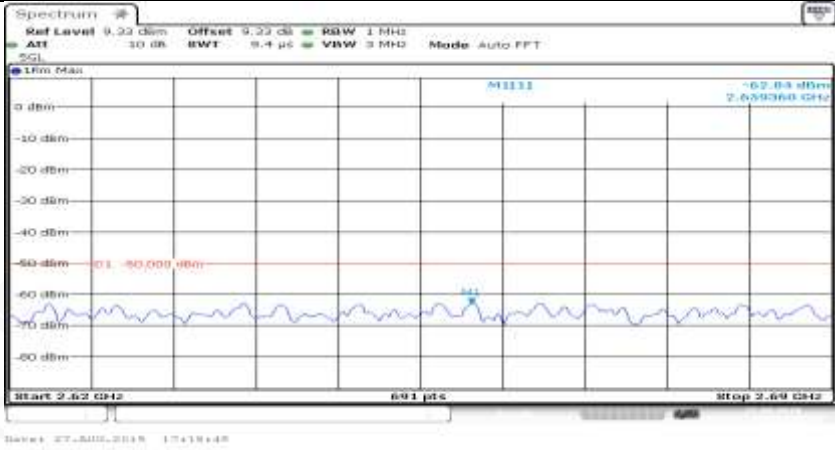
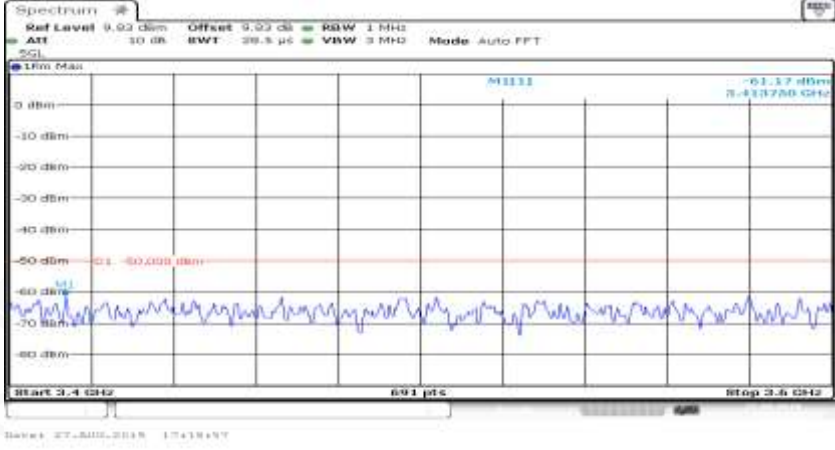



General	
General	
Co-existence	

Co-existence	 <p>Start 925.0 MHz 691 pts Stop 950.0 MHz</p> <p>Date: 27.AUG.2019 17:18:08</p>
Co-existence	 <p>Start 1.805 GHz 691 pts Stop 1.810 GHz</p> <p>Date: 27.AUG.2019 17:18:13</p>
Co-existence	 <p>Start 1.9 GHz 691 pts Stop 1.92 GHz</p> <p>Date: 27.AUG.2019 17:18:20</p>



Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>691 pts</p> <p>27.AUG.2018 17:18:27</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.12 GHz</p> <p>691 pts</p> <p>27.AUG.2018 17:18:34</p>
Co-existence	 <p>Start 2.57 GHz Stop 2.58 GHz</p> <p>691 pts</p> <p>27.AUG.2018 17:18:41</p>

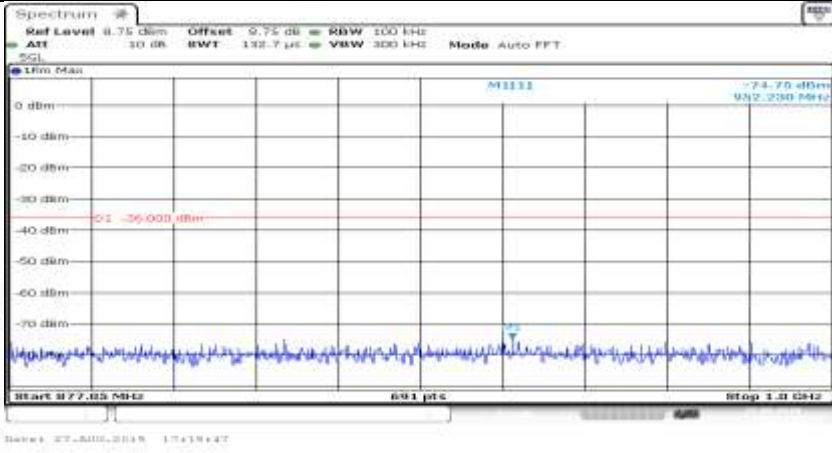
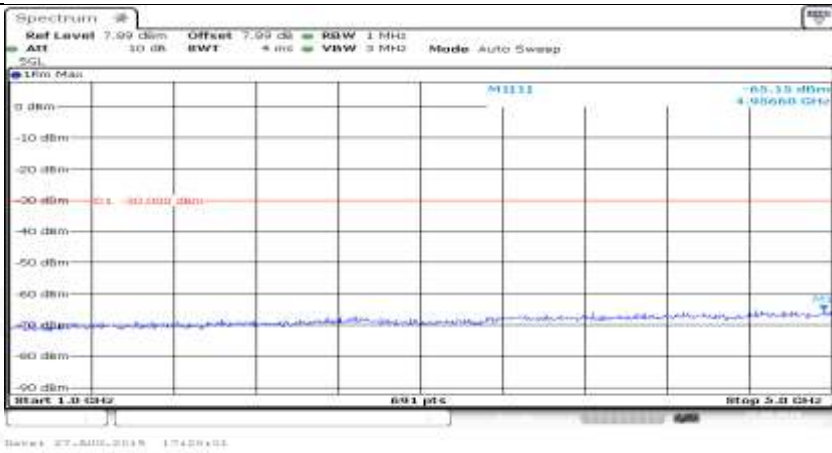
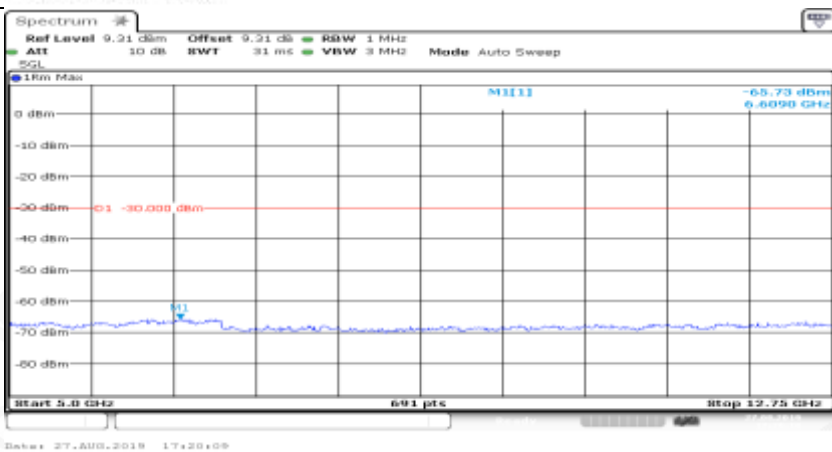
Co-existence	
Co-existence	
Co-existence	
Additional	NA

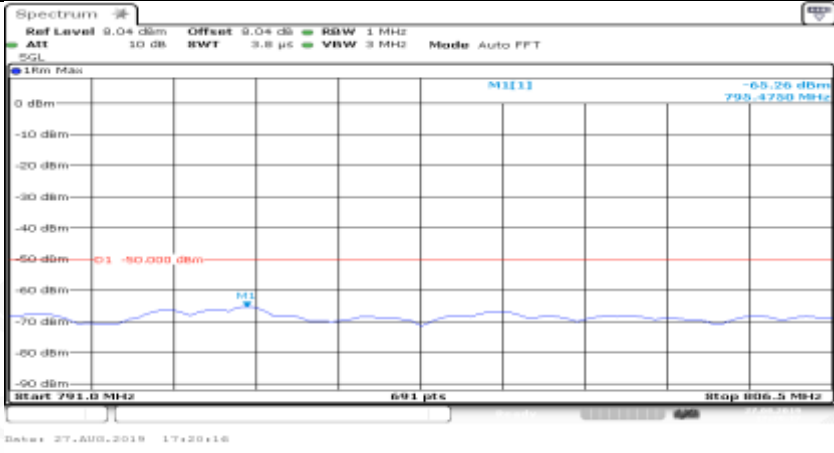
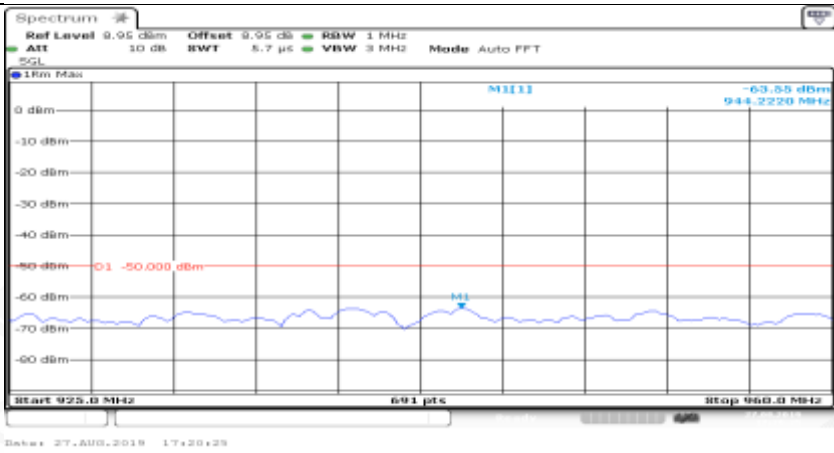
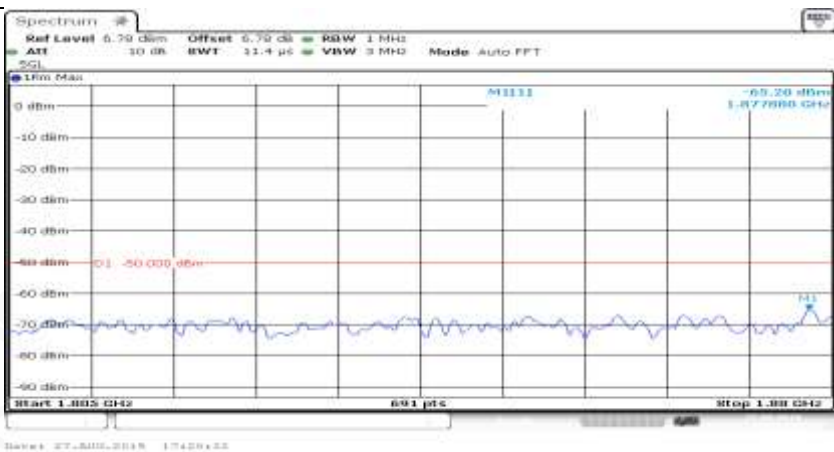
Channel Bandwidth=High (20 MHz)_QPSK_LCH_1RB#0

General

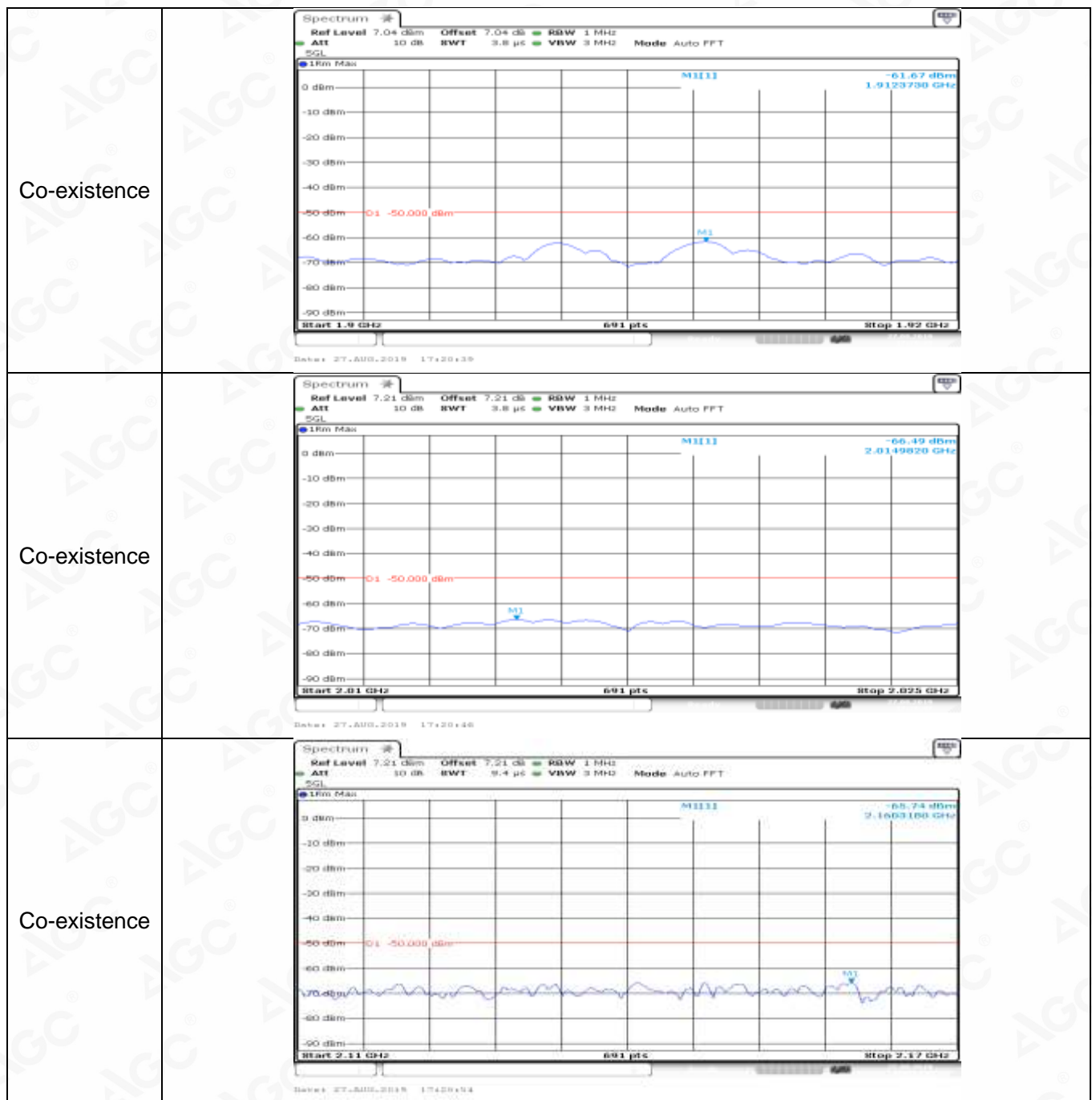
General

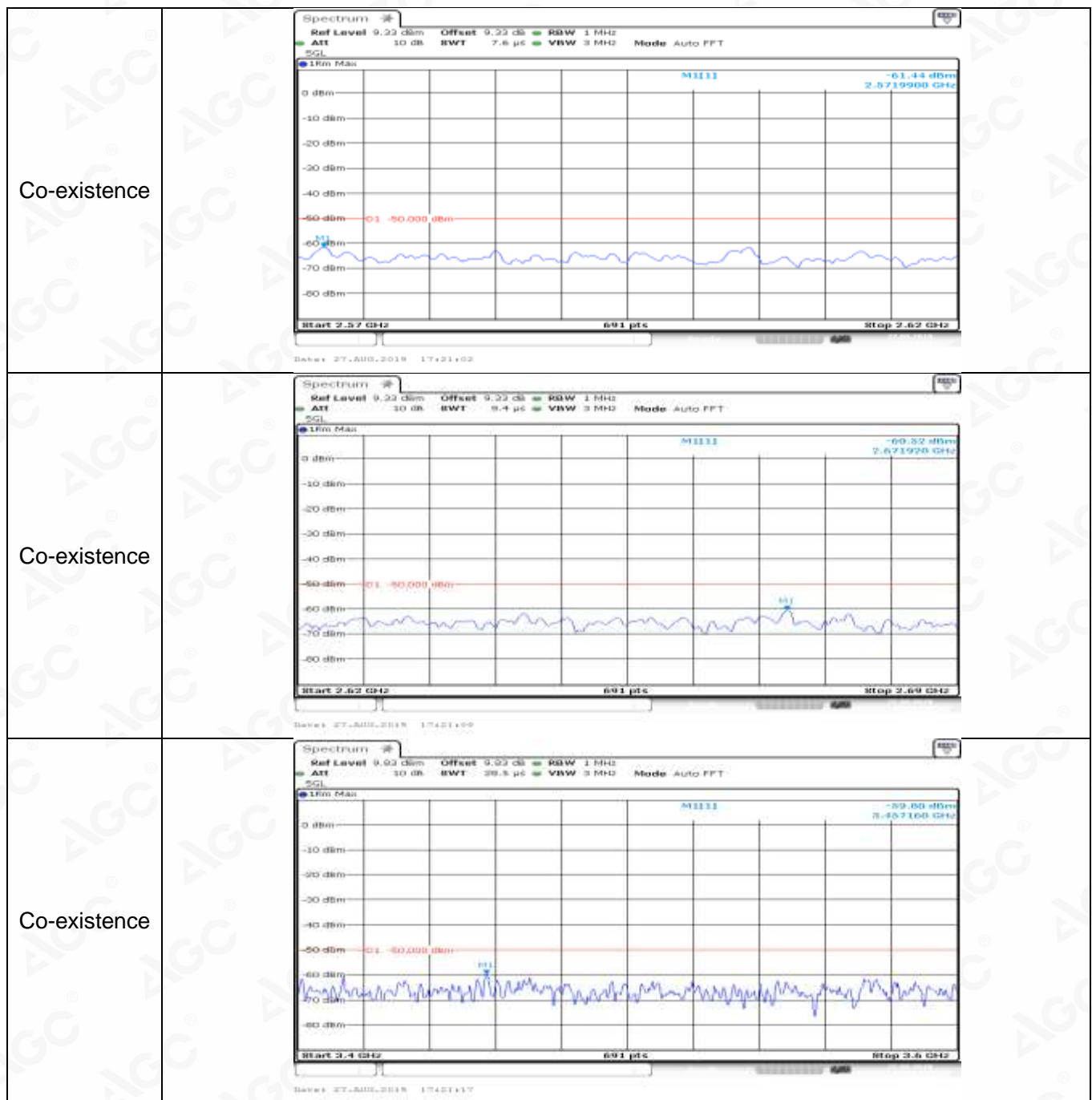
General

General	 <p>Spectrum plot showing a signal at 77.05 MHz. The y-axis ranges from 0 dBm to -70 dBm. The x-axis ranges from 77.05 MHz to 77.15 MHz. The plot shows a noisy signal with a peak at approximately 77.05 MHz.</p>
General	 <p>Spectrum plot showing a signal at 1.0 GHz. The y-axis ranges from 0 dBm to -70 dBm. The x-axis ranges from 1.0 GHz to 1.01 GHz. The plot shows a noisy signal with a peak at approximately 1.0 GHz.</p>
General	 <p>Spectrum plot showing a signal at 5.0 GHz. The y-axis ranges from 0 dBm to -70 dBm. The x-axis ranges from 5.0 GHz to 5.01 GHz. The plot shows a noisy signal with a peak at approximately 5.0 GHz.</p>

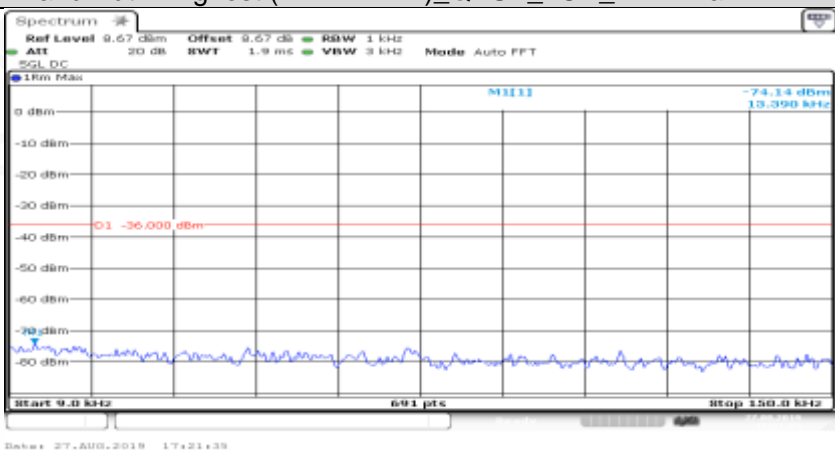
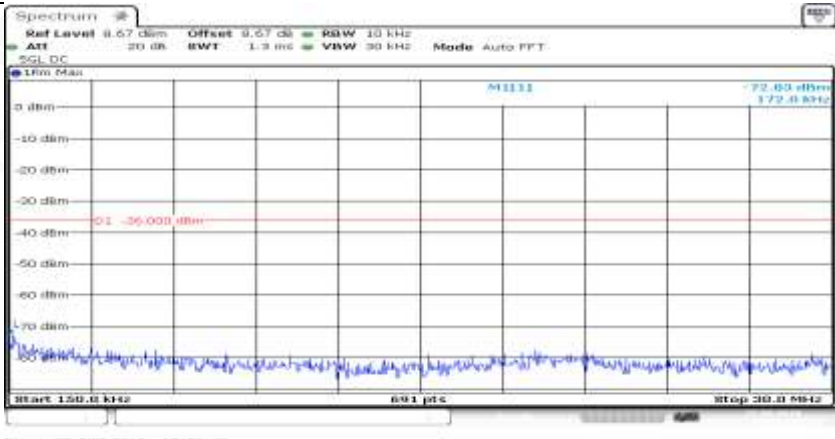
Co-existence	
Co-existence	
Co-existence	

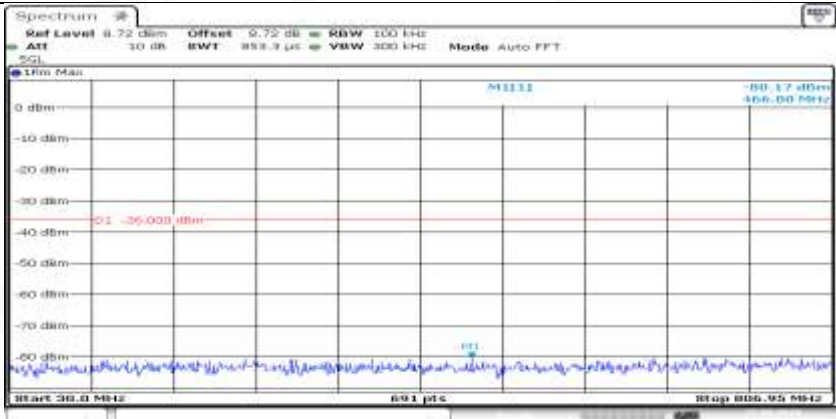
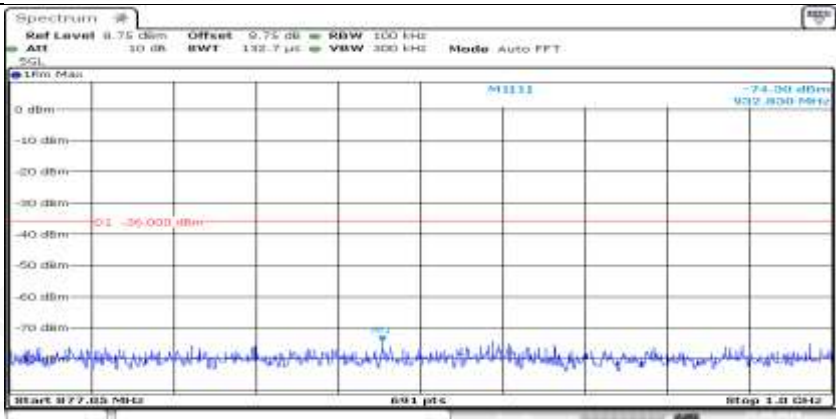
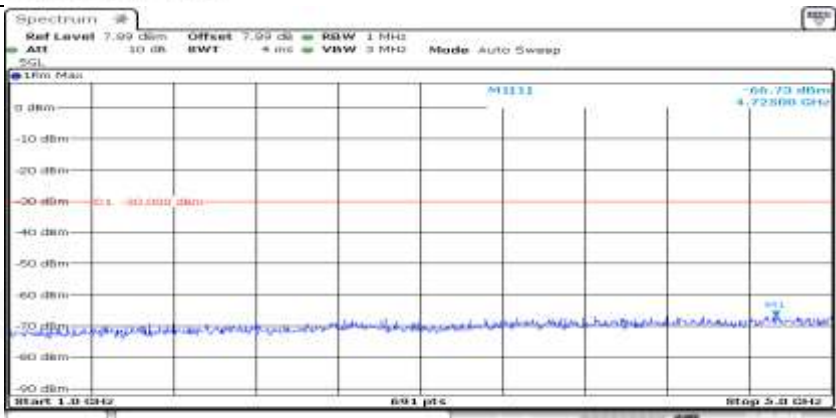




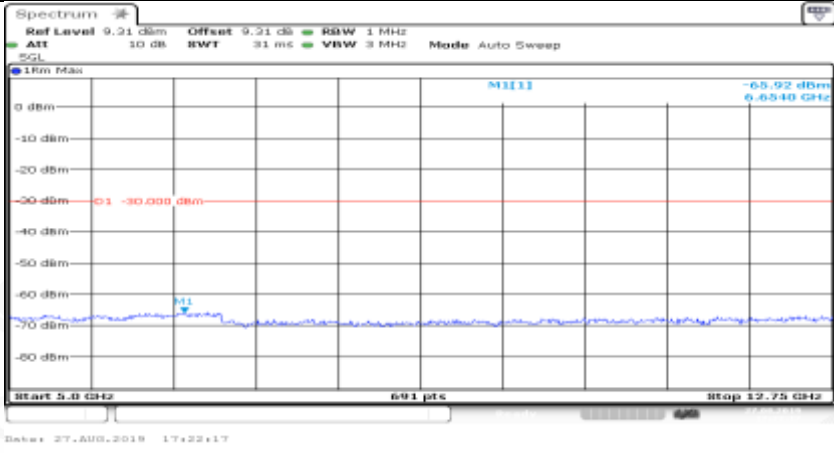
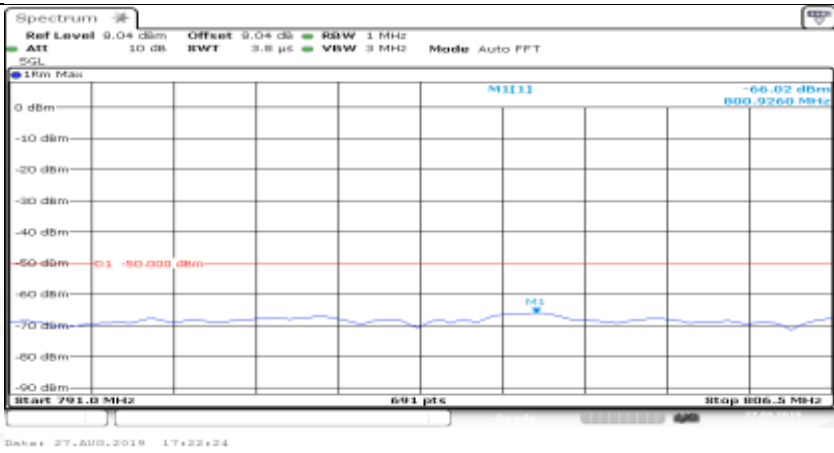
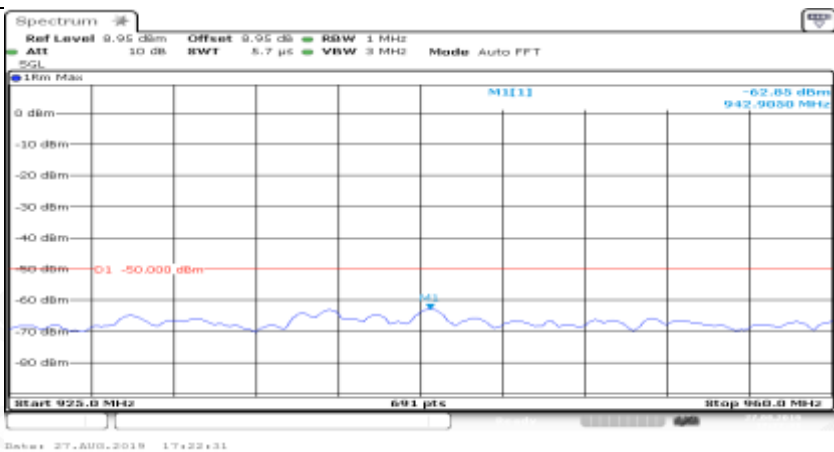


Co-existence	
Additional	NA

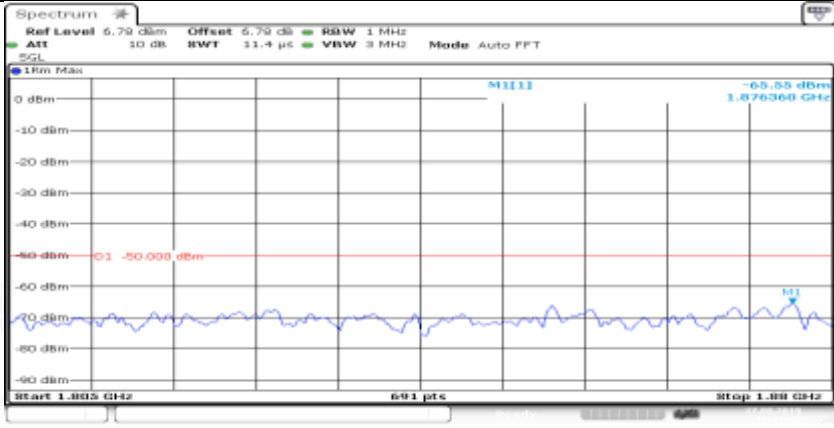

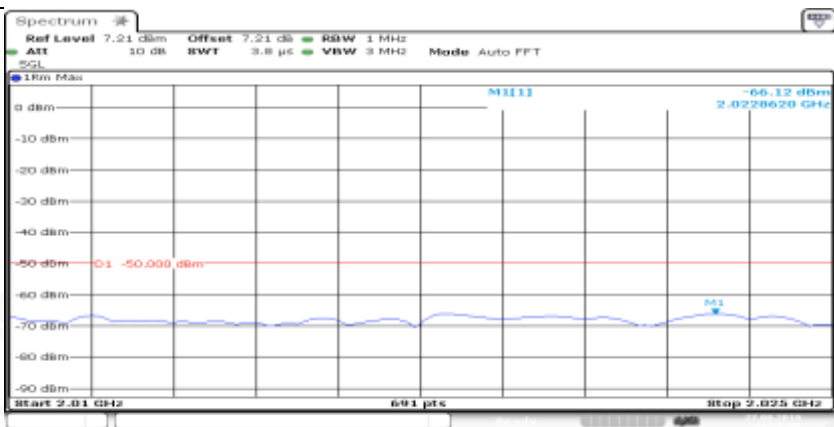
Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	
General	

General	
General	
General	

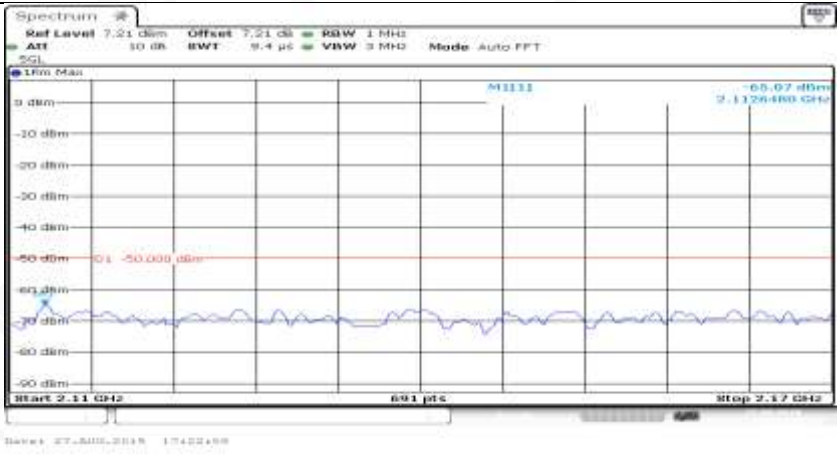
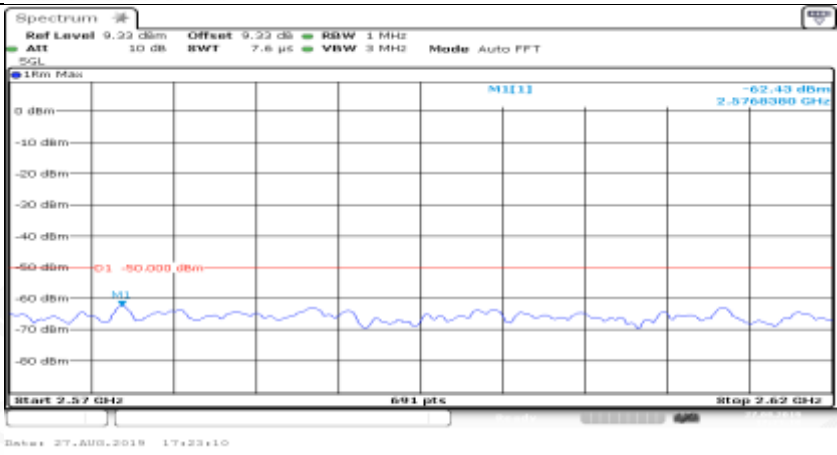




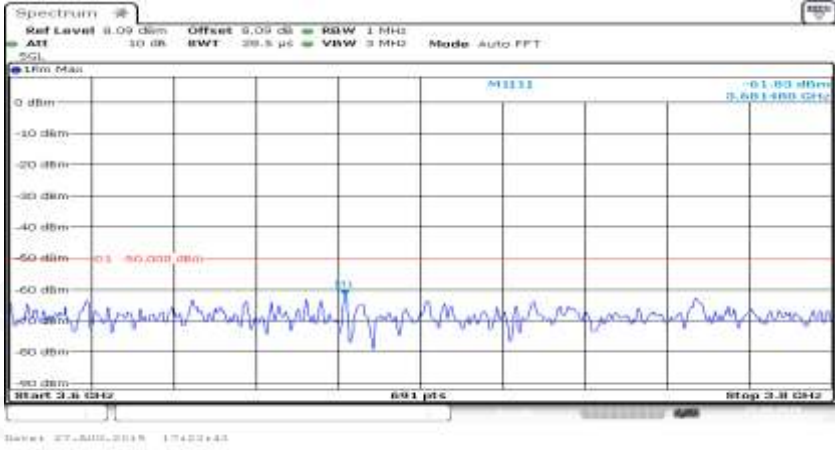
General	
Co-existence	
Co-existence	

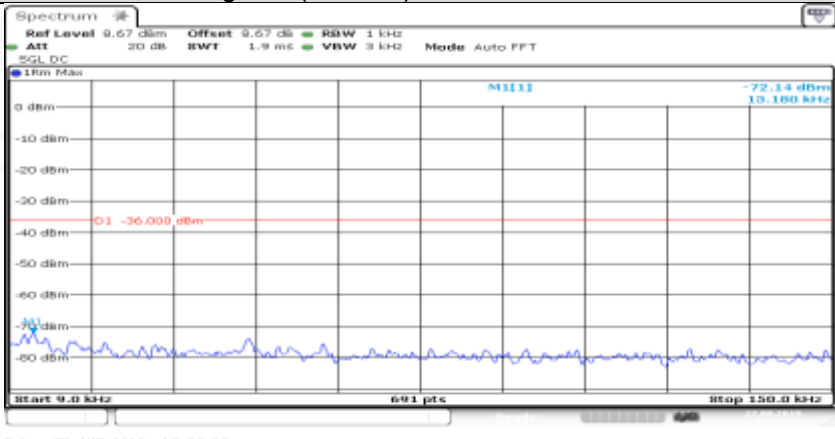


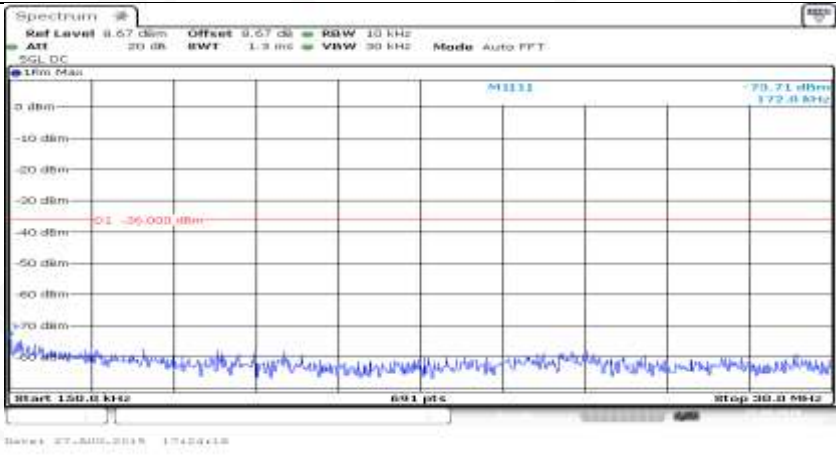

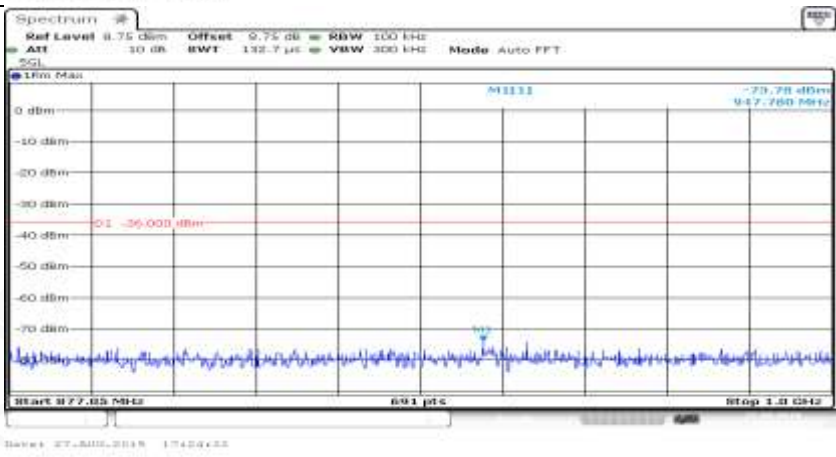
Co-existence	 <p>Ref Level 6.79 dBm Offset 6.79 dB RBW 1 MHz ATT 10 dB BW 11.4 μs VBW 3 MHz Mode Auto FFT</p> <p>M111 -65.55 dBm 1.376360 GHz</p> <p>Start 1.3805 GHz 691 pts Stop 1.381 GHz</p> <p>Date: 27.AUG.2019 17:22:37</p>
Co-existence	 <p>Ref Level 7.04 dBm Offset 7.04 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M111 -66.15 dBm 1.9192040 GHz</p> <p>Start 1.9 GHz 691 pts Stop 1.92 GHz</p> <p>Date: 27.AUG.2019 17:22:49</p>
Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M111 -66.12 dBm 2.0220620 GHz</p> <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 27.AUG.2019 17:22:52</p>



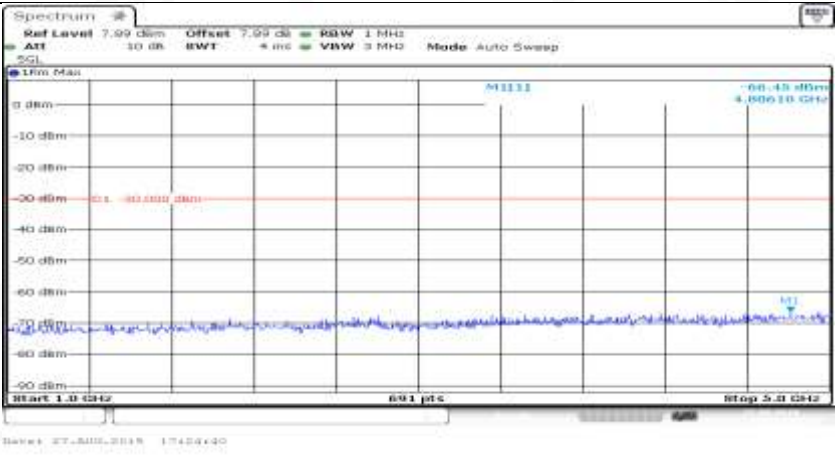
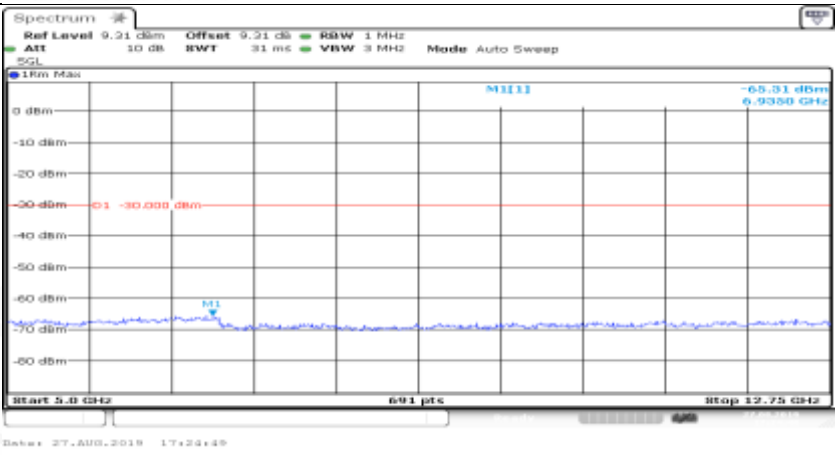
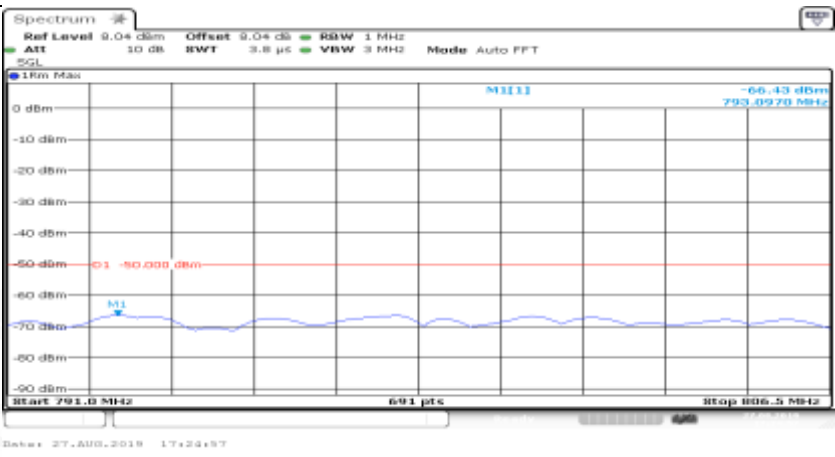
Co-existence	
Co-existence	
Co-existence	

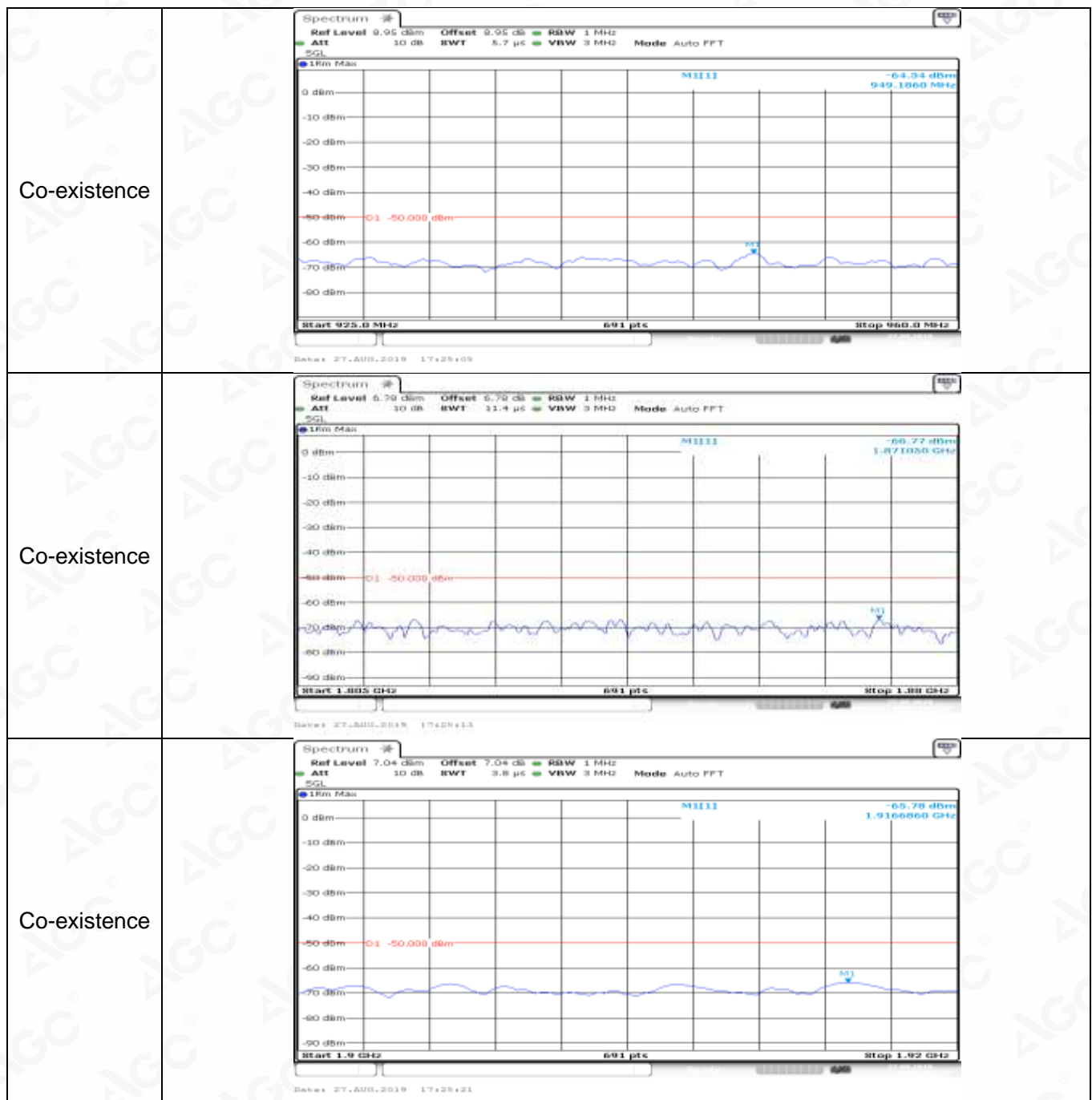
Co-existence	
Co-existence	
Additional	NA

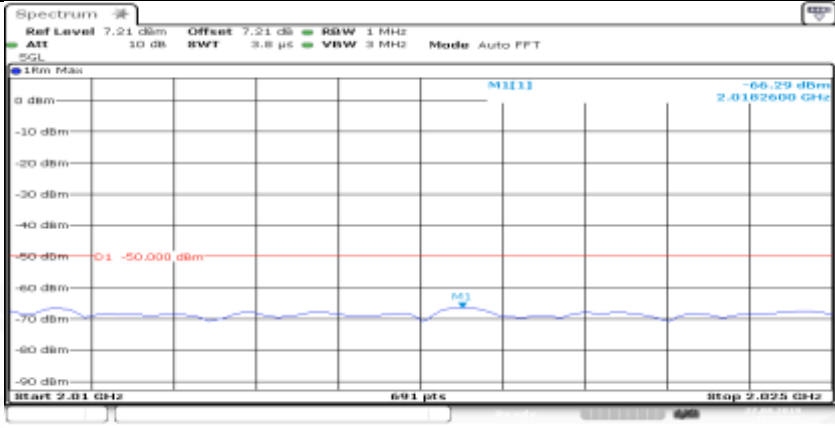

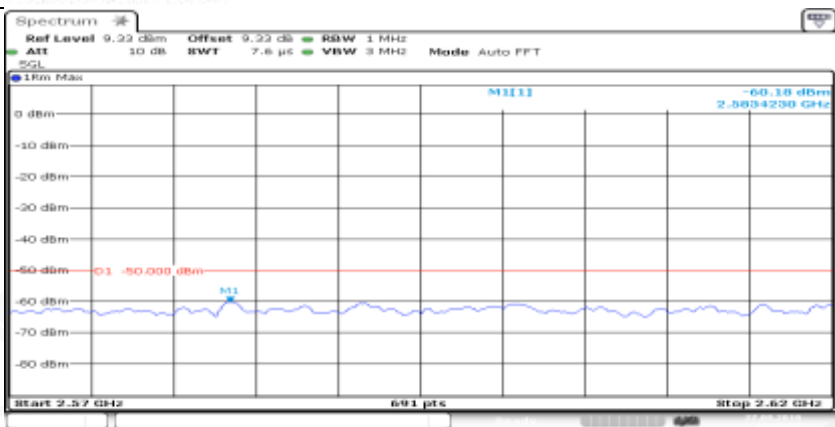
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	

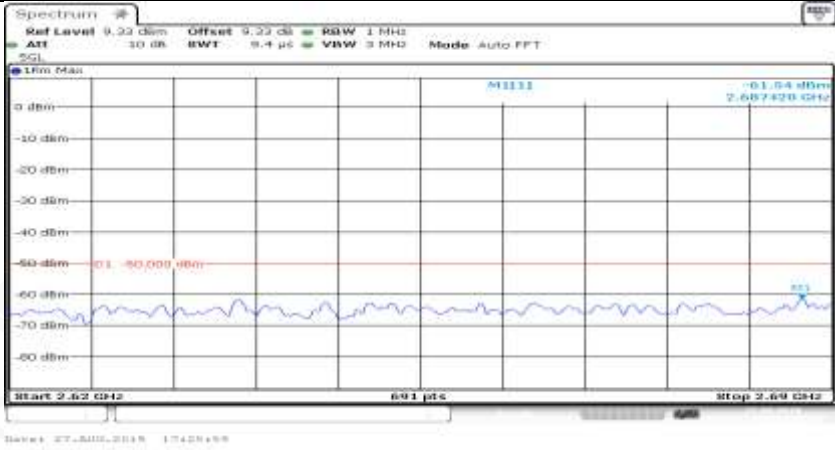
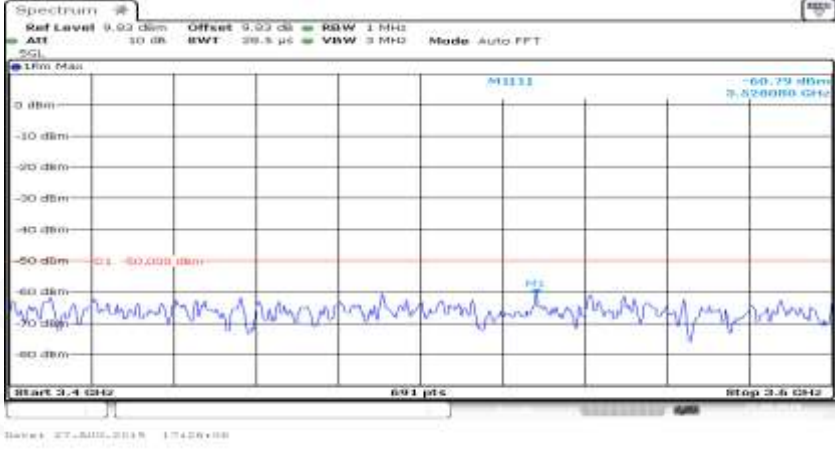
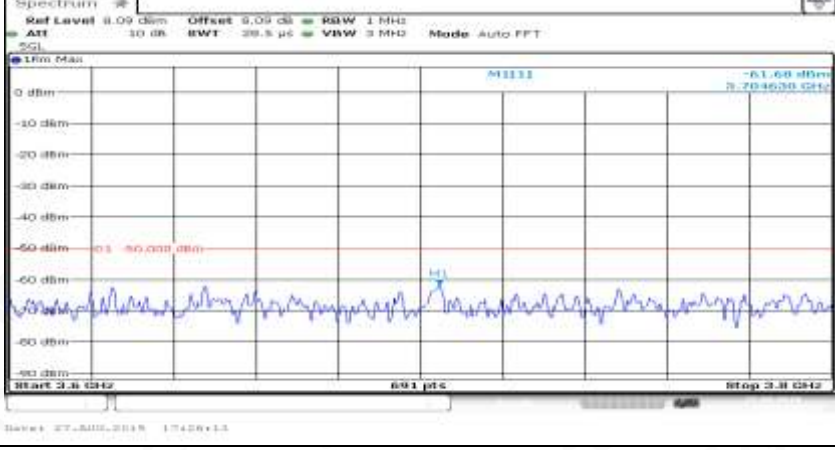
General	
General	
General	



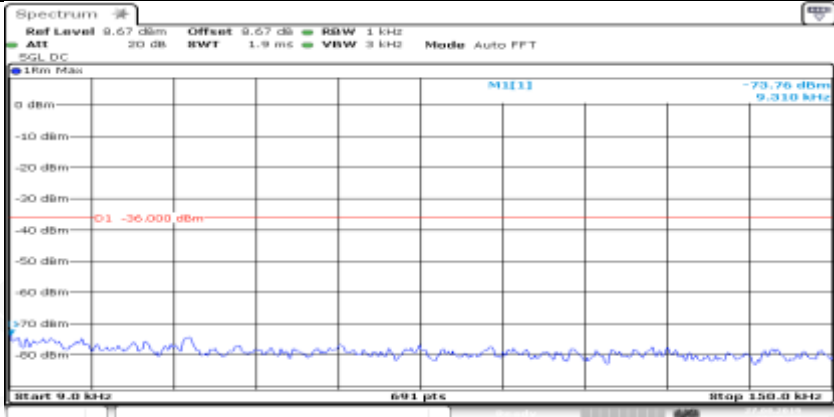
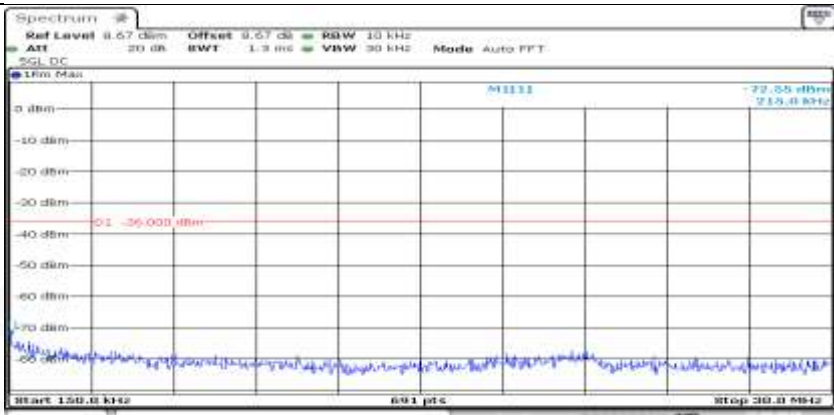
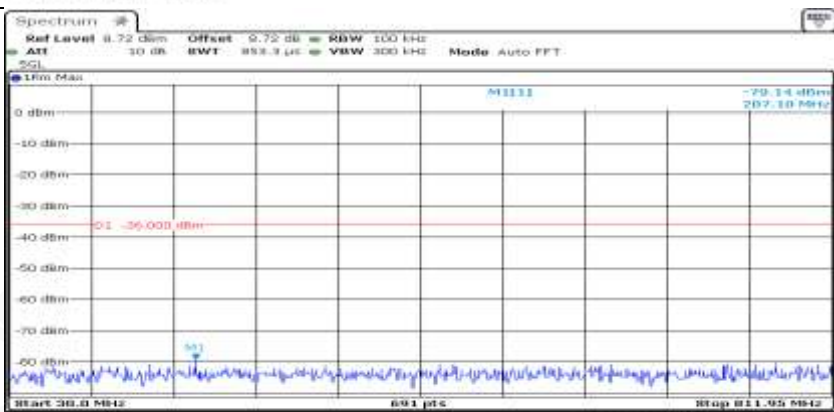
General	
General	
Co-existence	



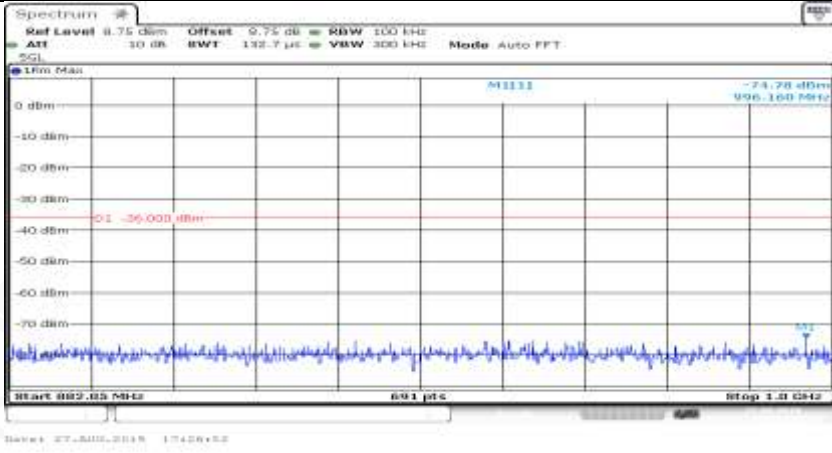
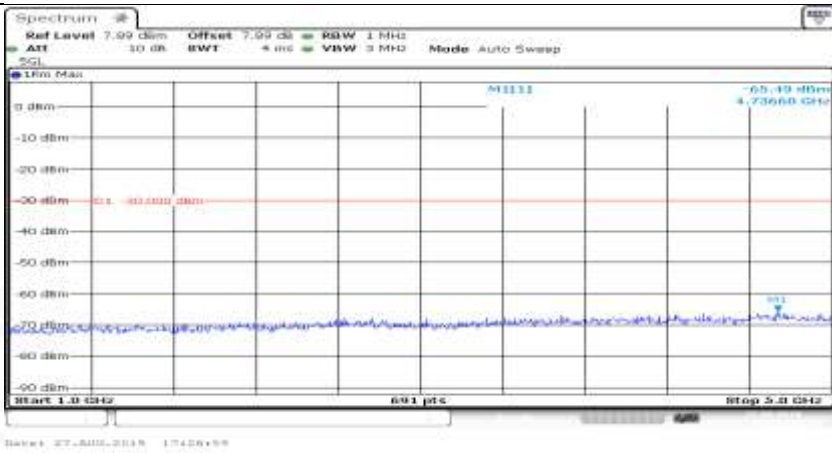
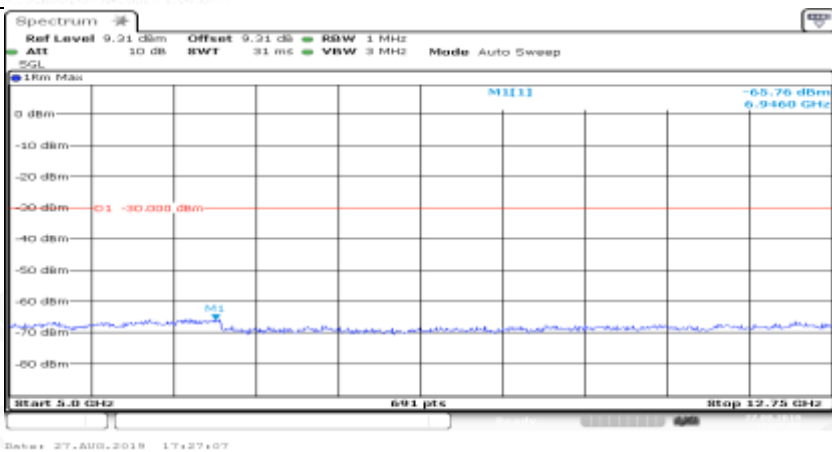
Co-existence	 <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 27.AUG.2018 17:25:29</p>
Co-existence	 <p>Start 2.11 GHz 691 pts Stop 2.117 GHz</p> <p>Date: 27.AUG.2018 17:26:28</p>
Co-existence	 <p>Start 2.57 GHz 691 pts Stop 2.572 GHz</p> <p>Date: 27.AUG.2018 17:25:52</p>

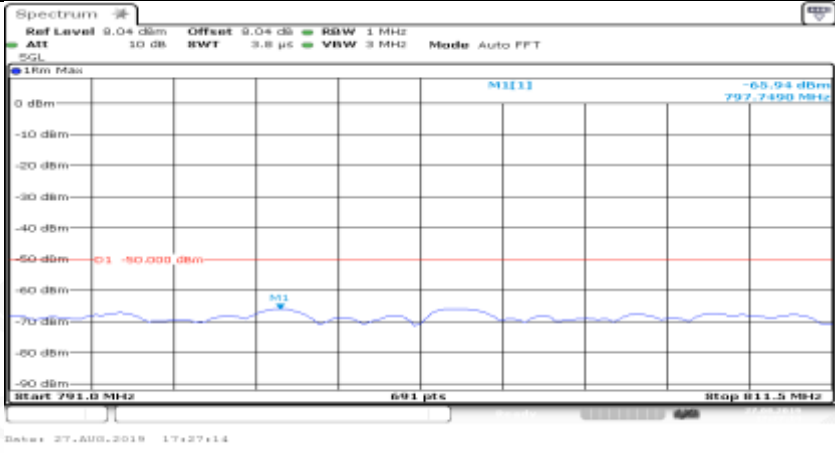
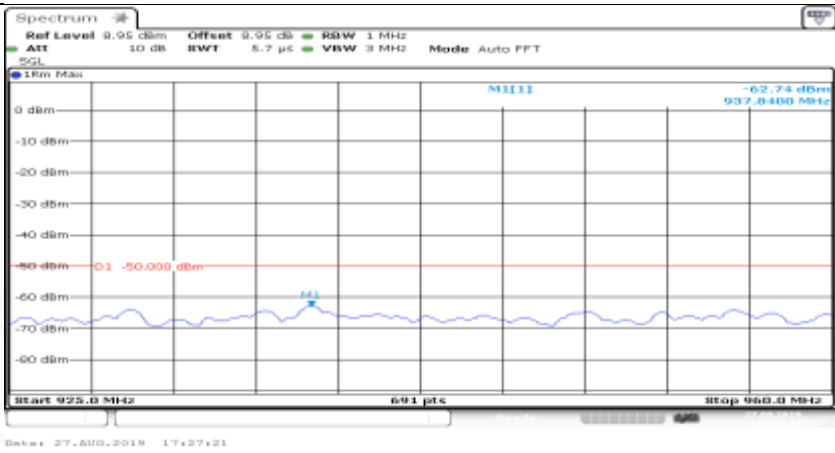
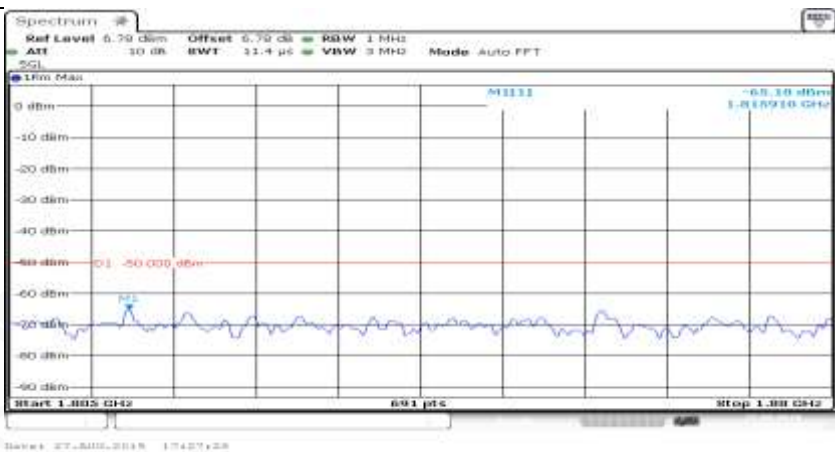
Co-existence	
Co-existence	
Co-existence	
Additional	NA

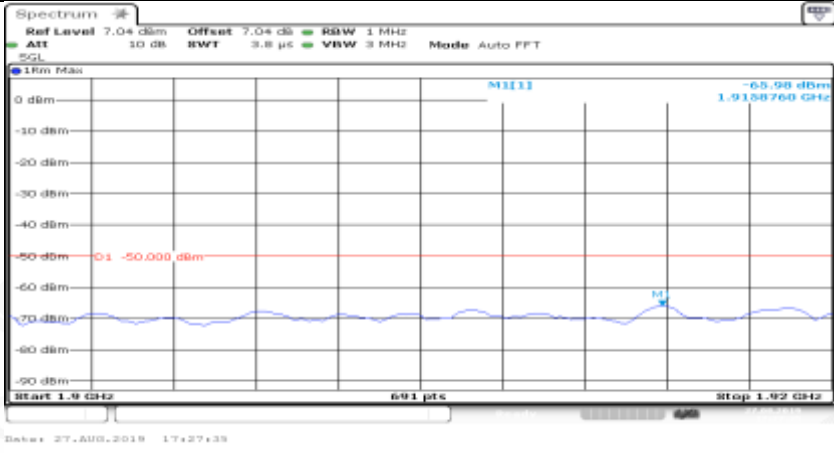
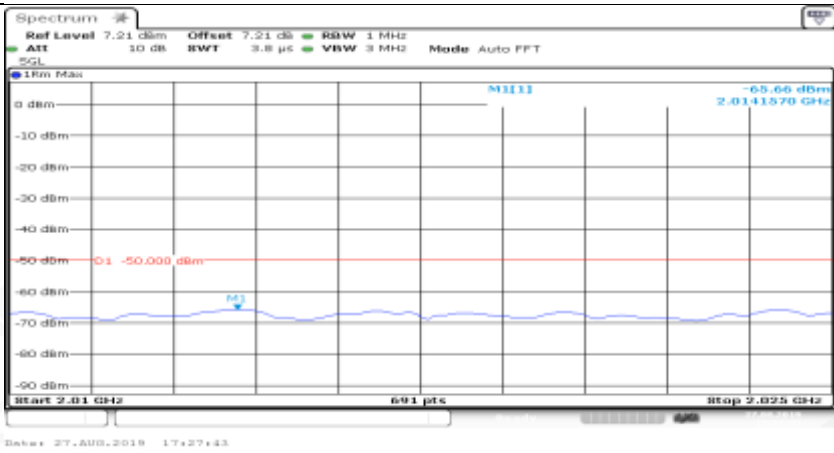

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#0

General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 1 kHz ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Max -73.76 dBm 9.310 kHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2019 17:28:28</p>
General	 <p>Spectrum</p> <p>Ref Level 0.67 dBm Offset 0.67 dB RBW 10 kHz ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>Max -72.55 dBm 215.0 kHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2019 17:28:28</p>
General	 <p>Spectrum</p> <p>Ref Level 0.72 dBm Offset 0.72 dB RBW 100 kHz ATT 10 dB BW 852.3 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 200.0 MHz 691 pts Stop 1.95 GHz</p> <p>Max -79.14 dBm 2197.10 MHz</p> <p>Min -36.000 dBm</p> <p>Date: 27.AUG.2019 17:28:28</p>

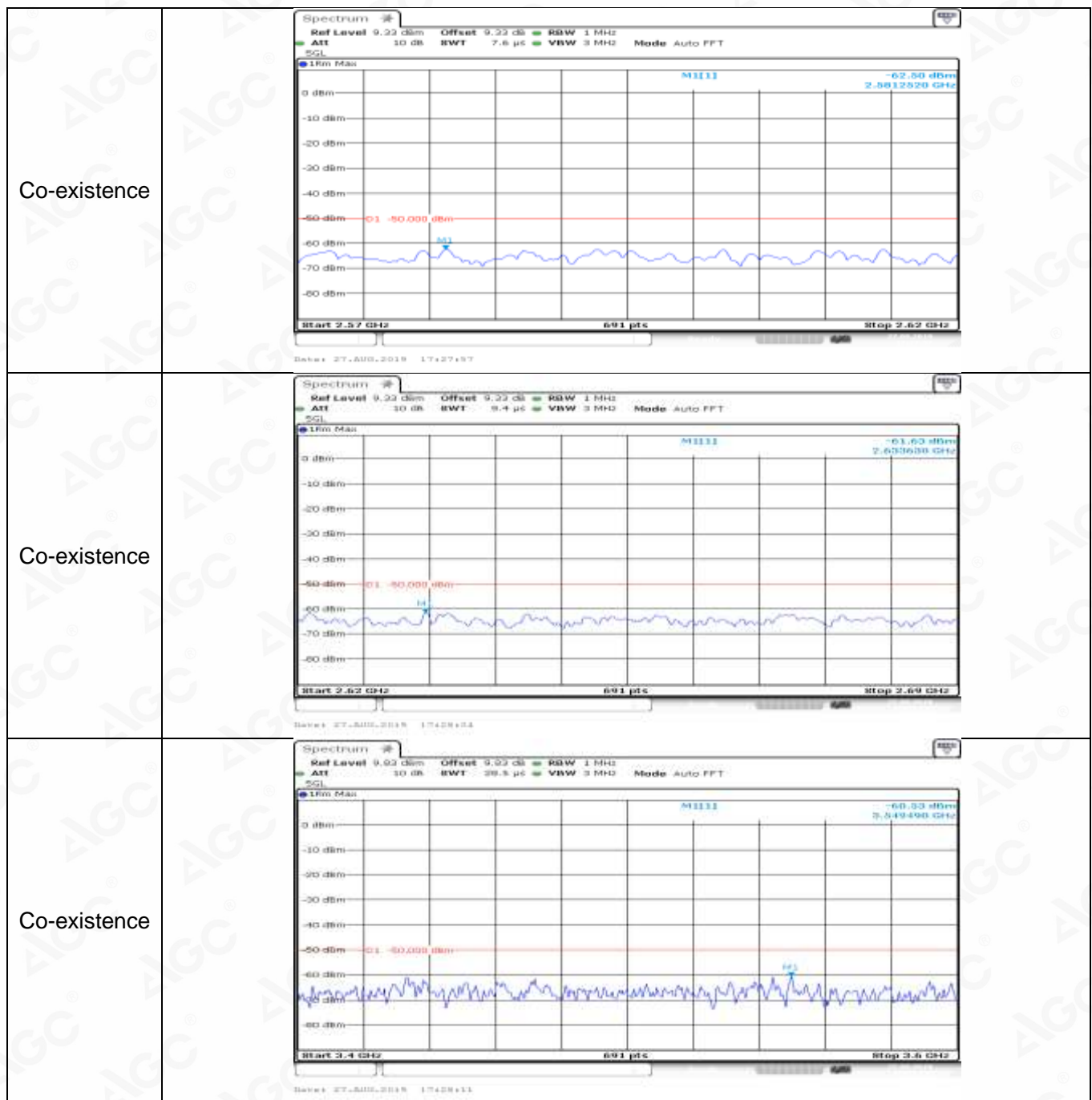


General	 <p>Spectrum</p> <p>Ref Level 8.75 dBm Offset 9.75 dB RBW 100 kHz</p> <p>ATT 10 dB BW 132.7 MHz VBW 300 kHz Mode Auto FFT</p> <p>1RM Max</p> <p>M1111 -74.78 dBm</p> <p>996.160 MHz</p> <p>Start 1.9 GHz Stop 2.1 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2018 17:26:52</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 MHz VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>M1111 -65.49 dBm</p> <p>4.73660 GHz</p> <p>Start 4.9 GHz Stop 5.1 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2018 17:26:58</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 MHz VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>M1111 -65.75 dBm</p> <p>6.9460 GHz</p> <p>Start 5.0 GHz Stop 5.2 GHz</p> <p>691 pts</p> <p>Date: 27.AUG.2018 17:27:07</p>

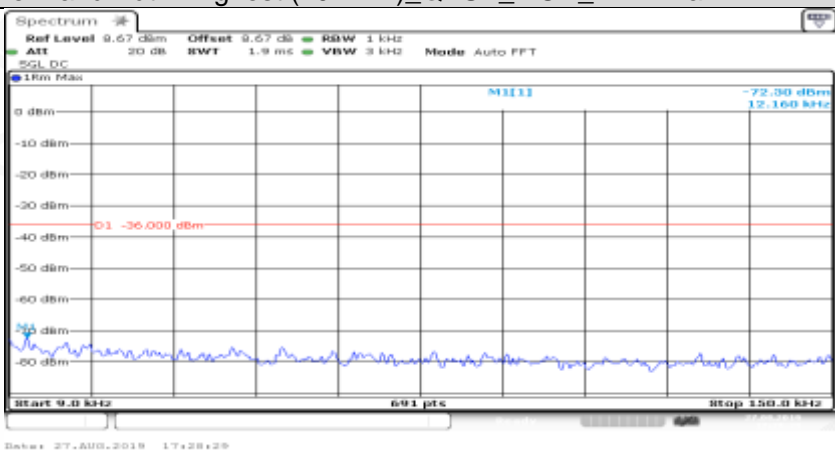
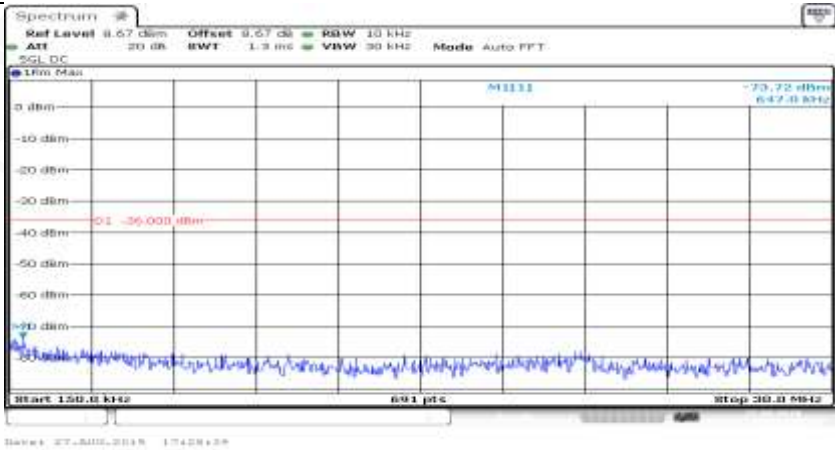
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	



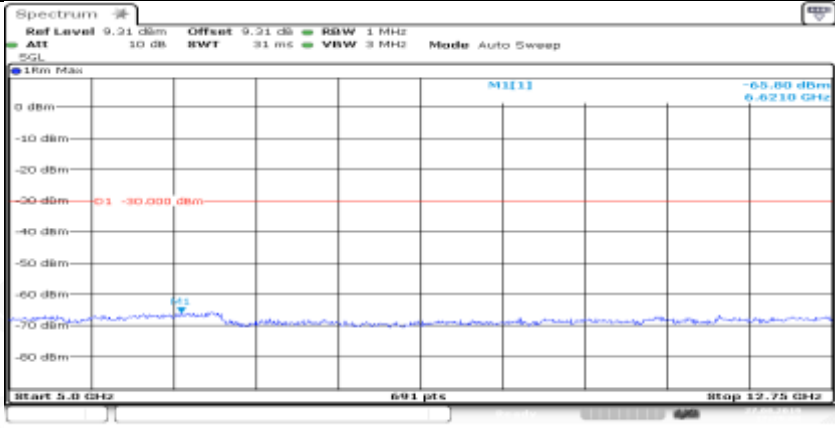

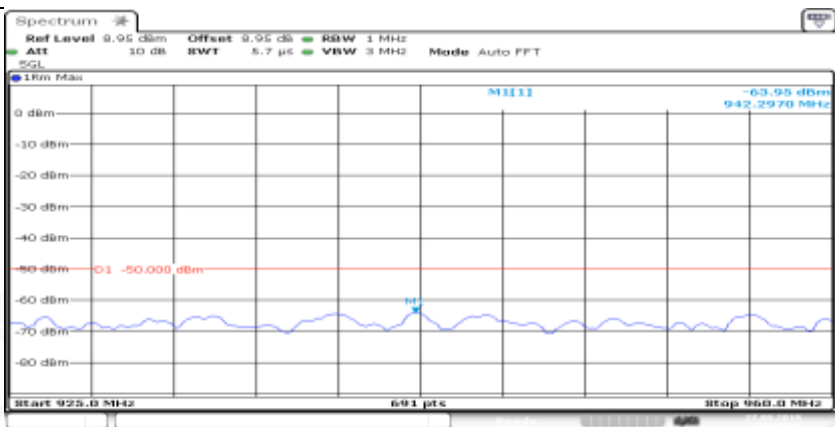



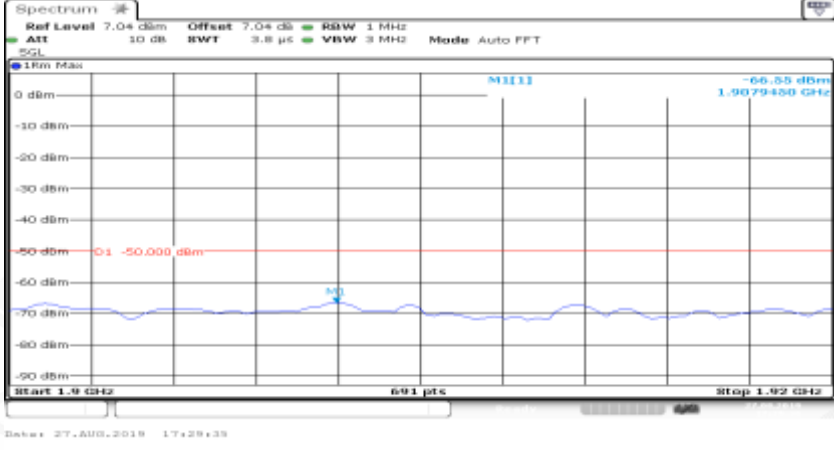
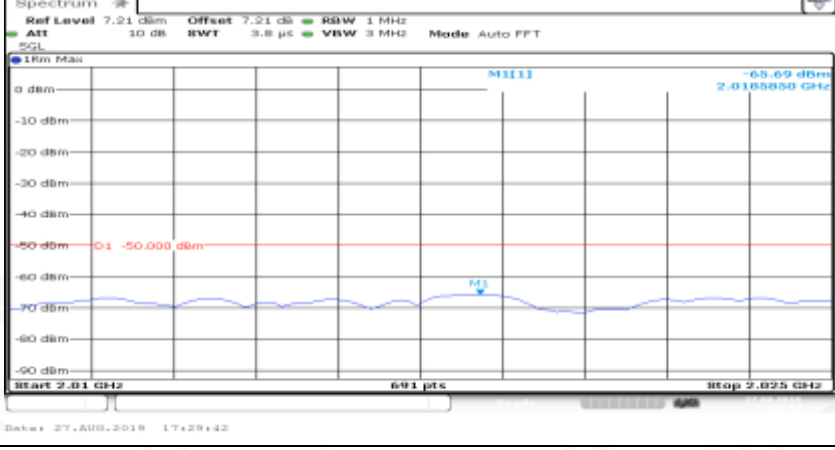
Co-existence	
Additional	NA

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


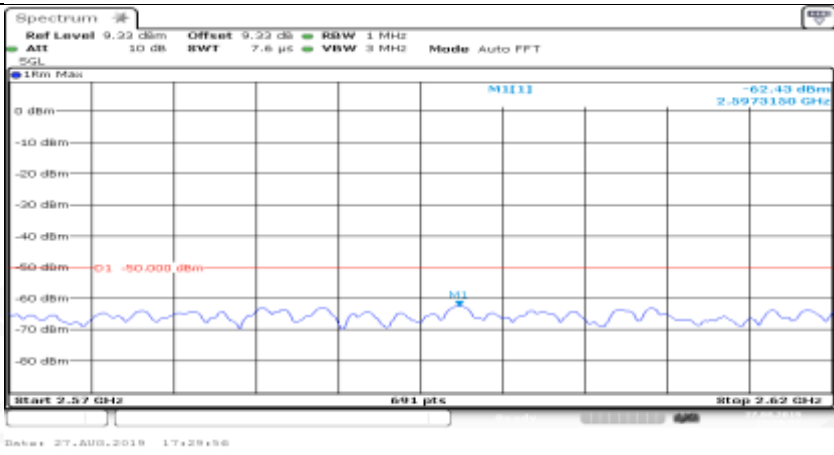

General	
General	
General	



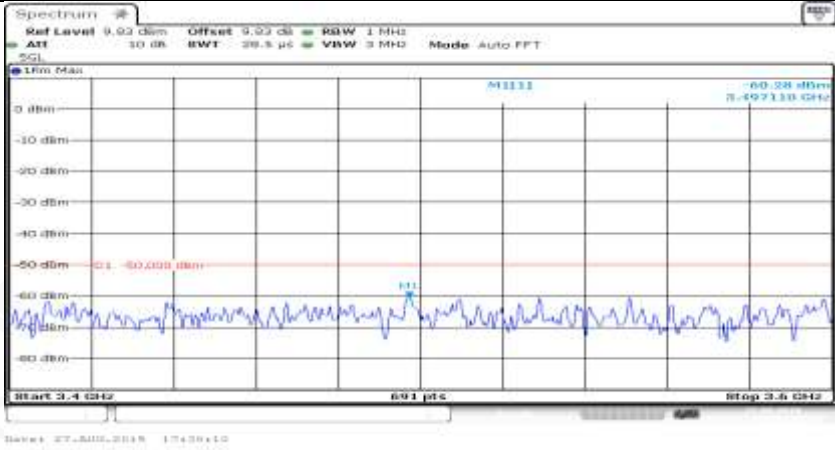
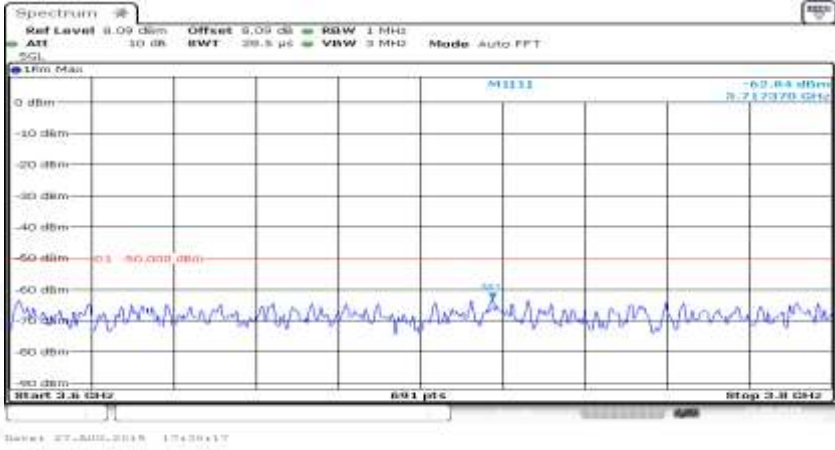
General	
Co-existence	
Co-existence	

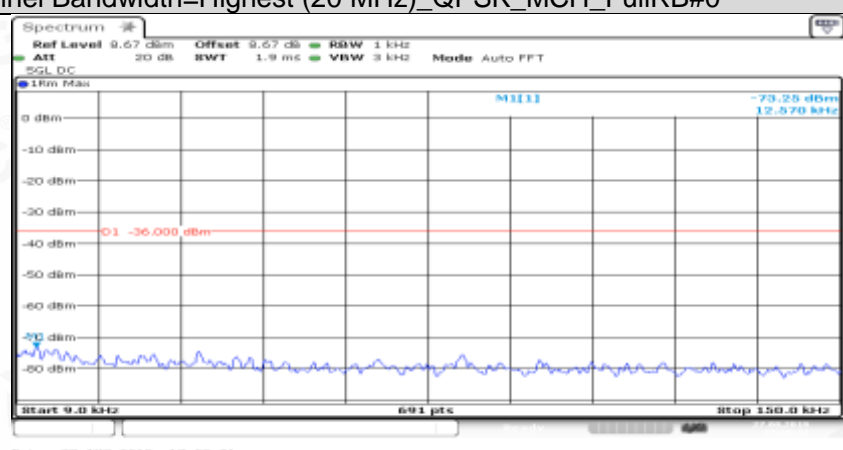
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

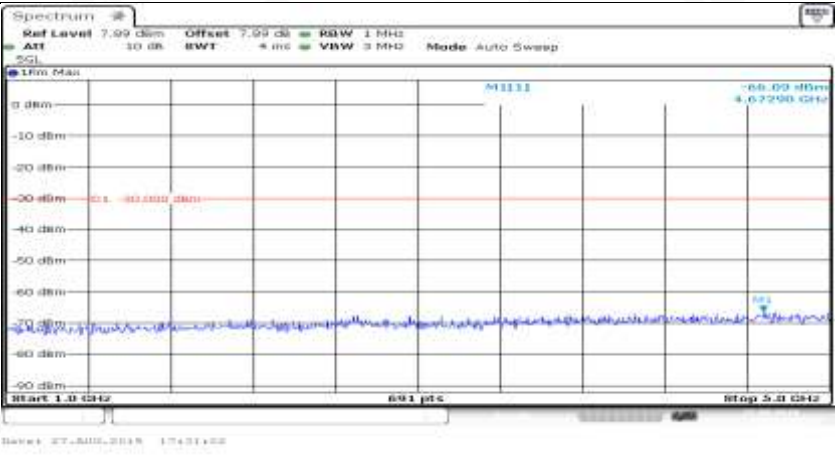
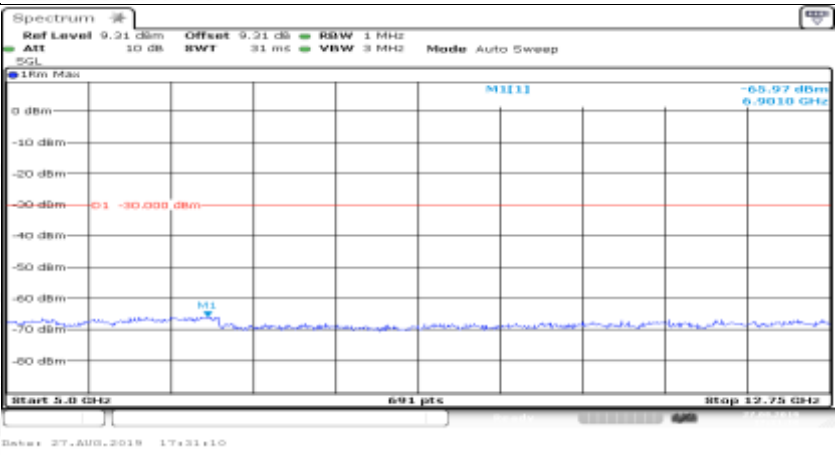
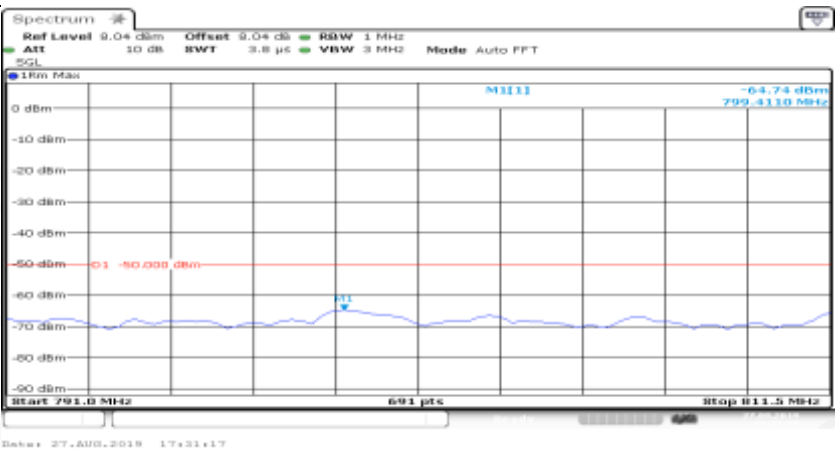


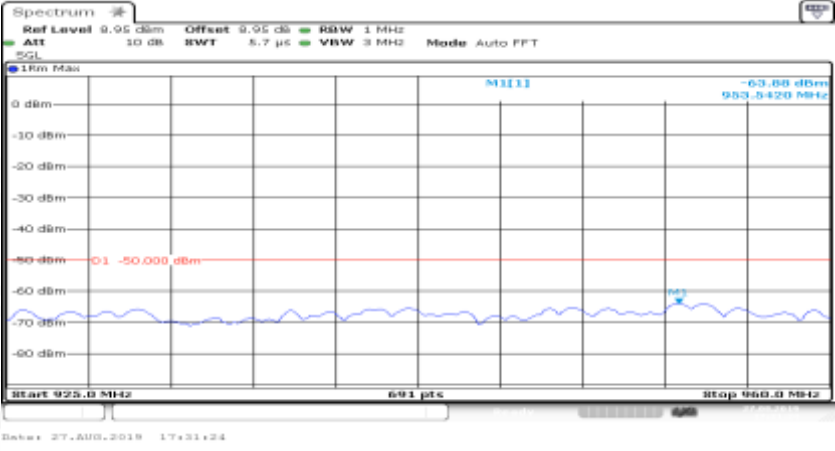
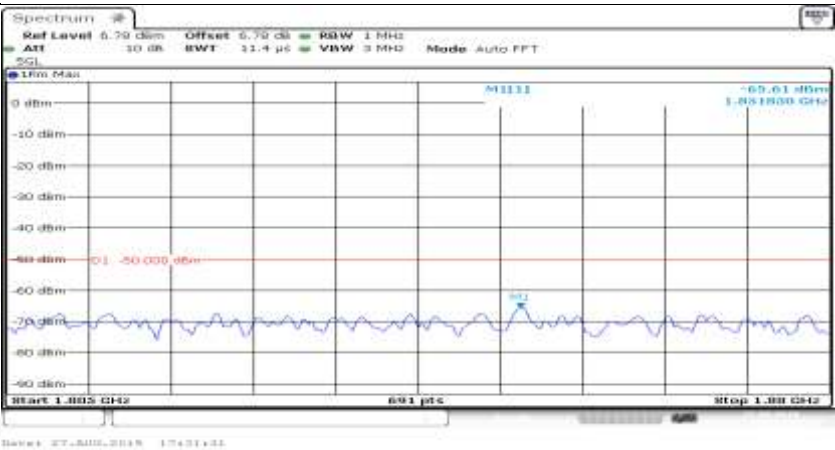
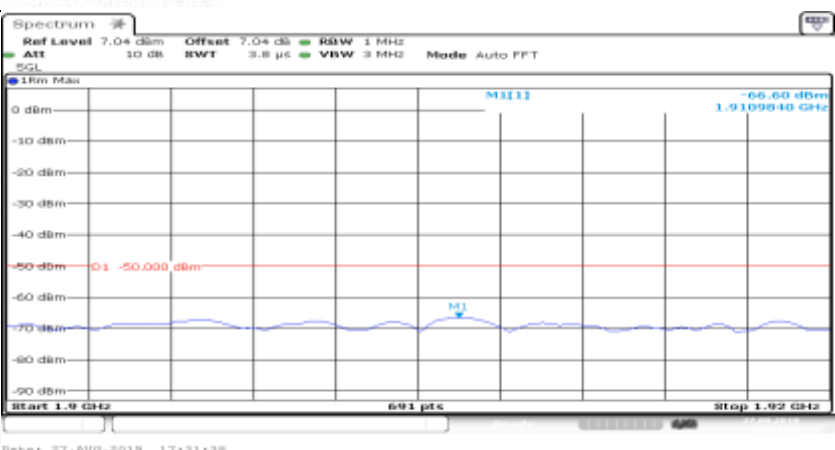
Co-existence	
Co-existence	
Additional	NA

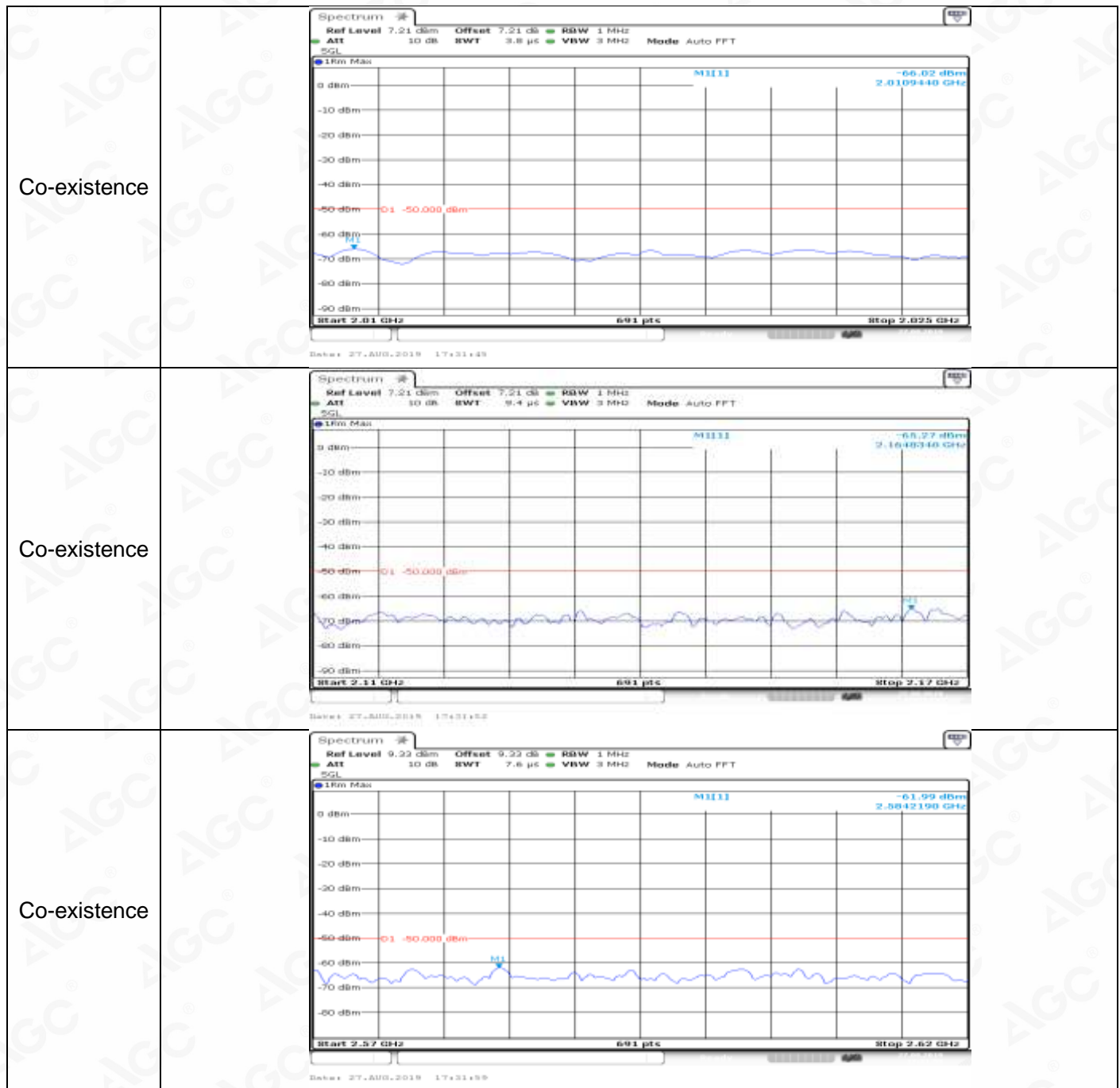
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	


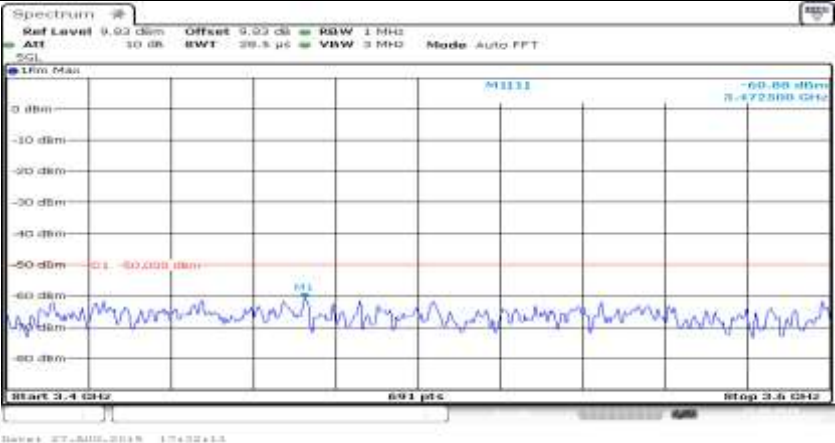
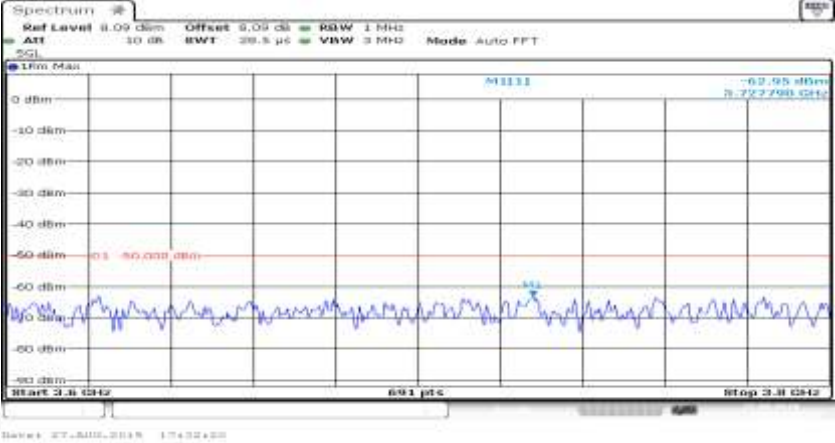
General	<p>Spectrum Ref Level: 0.67 dBm Offset: 9.67 dB BW: 10 kHz ATT: 20 dB SWT: 1.3 ms VBW: 30 kHz Mode: Auto FFT SGL DC 10m Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Start 150.0 kHz Stop 300.0 MHz 601 pts Date: 27-JUL-2018 17:30:45</p>
General	<p>Spectrum Ref Level: 0.72 dBm Offset: 9.72 dB BW: 100 kHz ATT: 10 dB SWT: 858.3 μs VBW: 300 kHz Mode: Auto FFT SGL 10m Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Start 300.0 MHz Stop 311.05 MHz 601 pts Date: 27-JUL-2018 17:30:45</p>
General	<p>Spectrum Ref Level: 0.75 dBm Offset: 9.75 dB BW: 100 kHz ATT: 10 dB SWT: 132.7 μs VBW: 300 kHz Mode: Auto FFT SGL 10m Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Start 312.05 MHz Stop 321 MHz 601 pts Date: 27-JUL-2018 17:30:45</p>



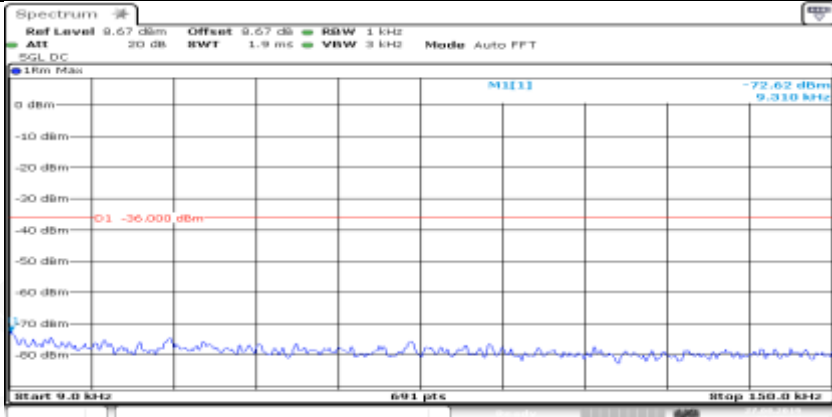
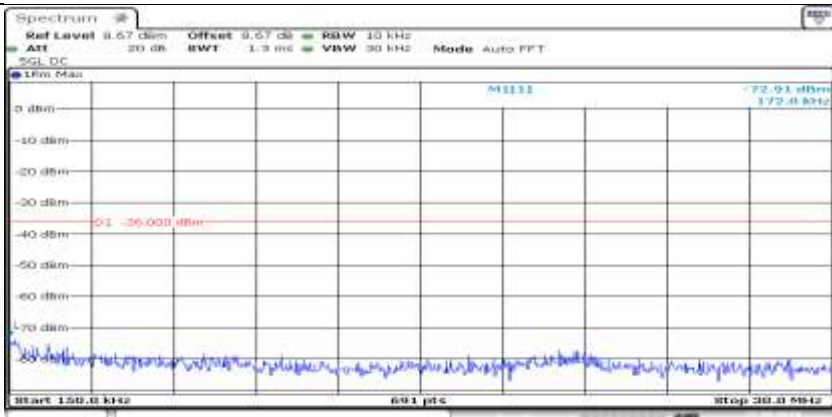
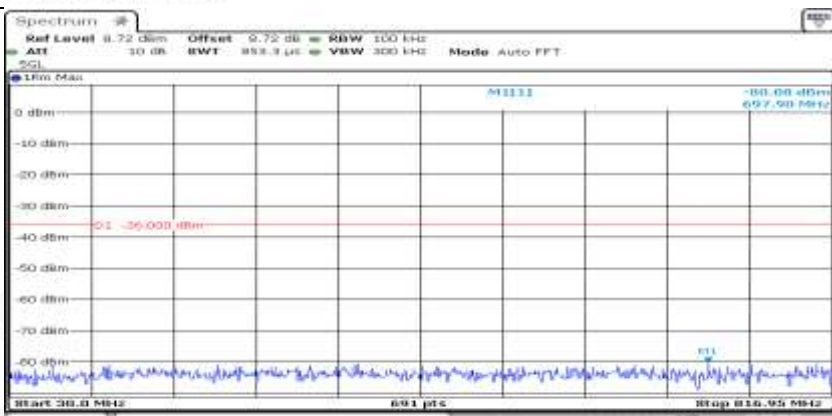
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

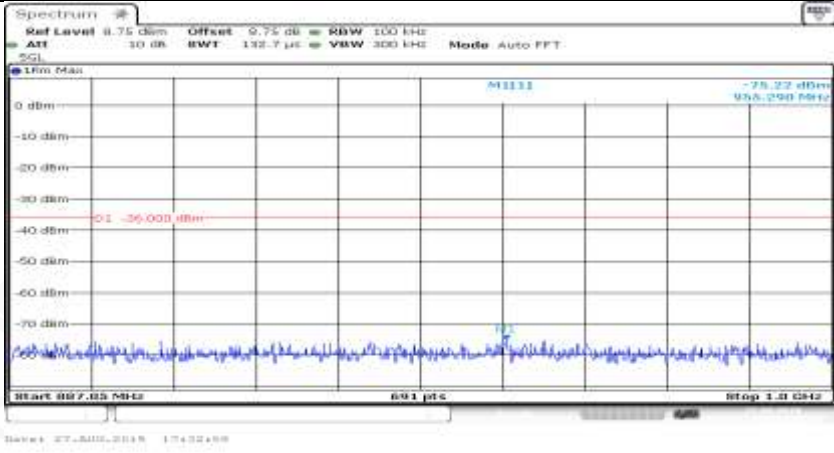
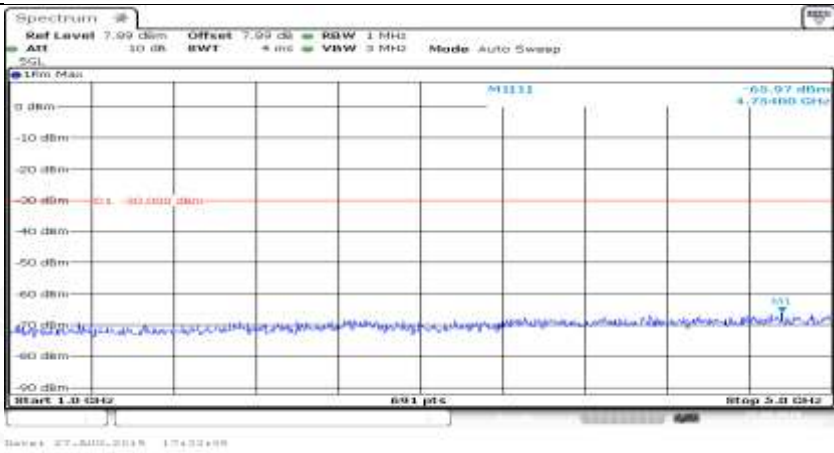
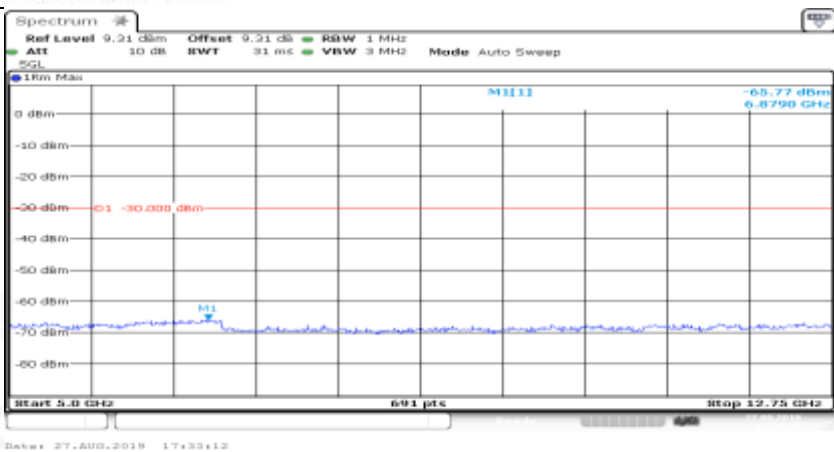


Co-existence	
Co-existence	
Co-existence	
Additional	NA

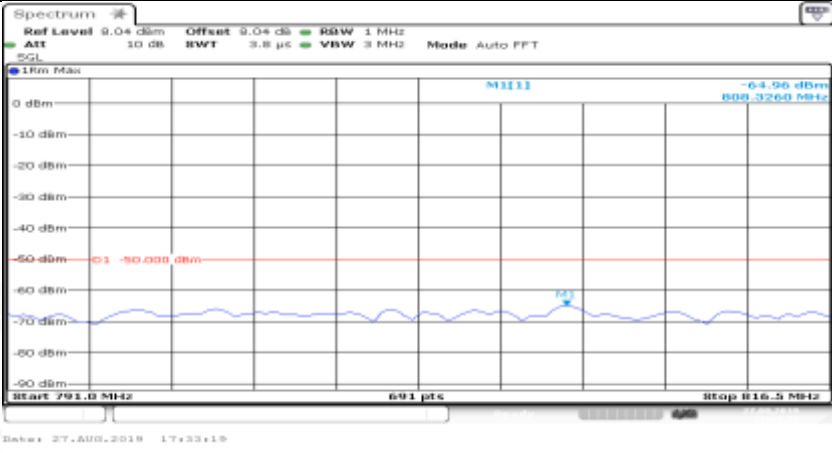
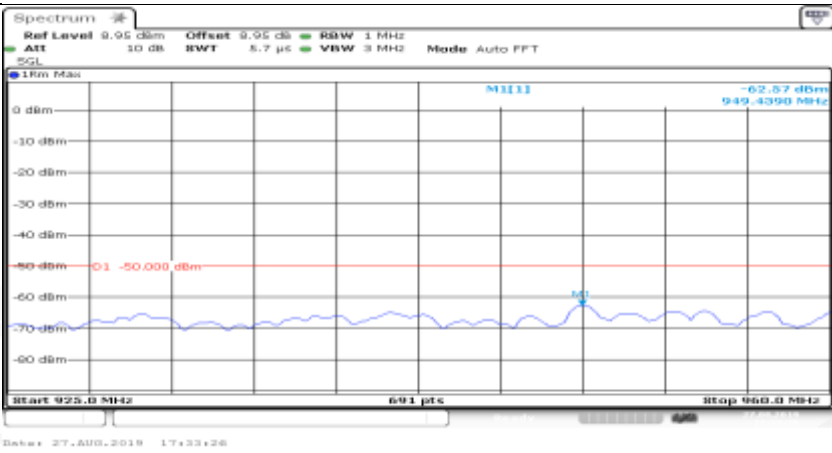
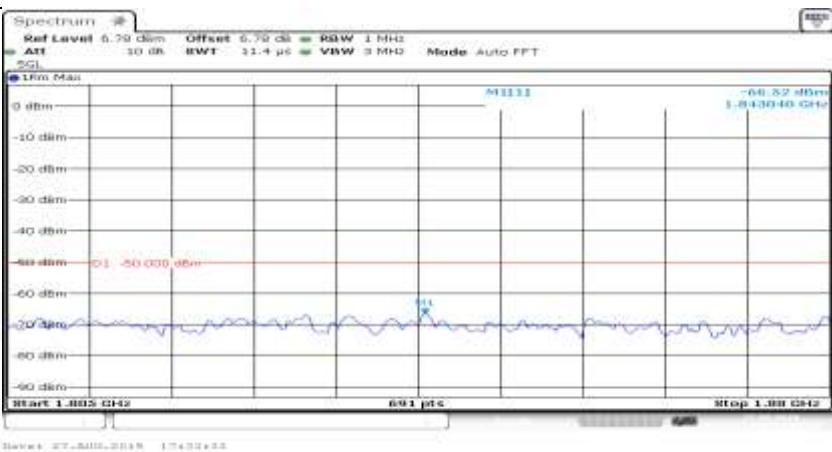
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0

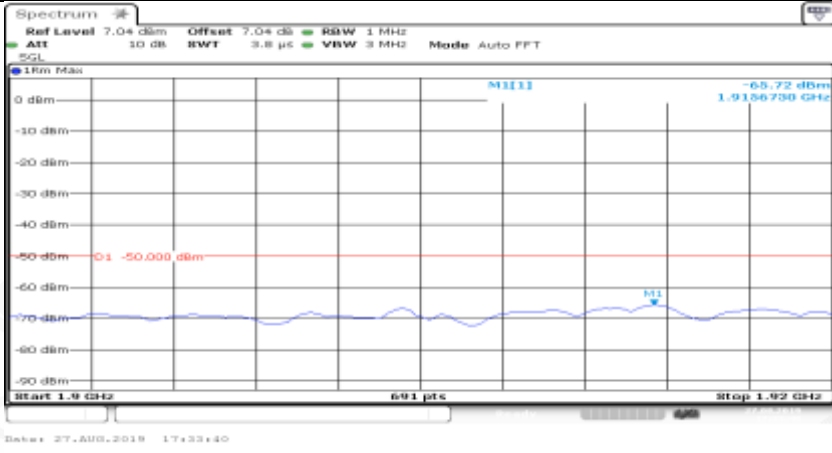
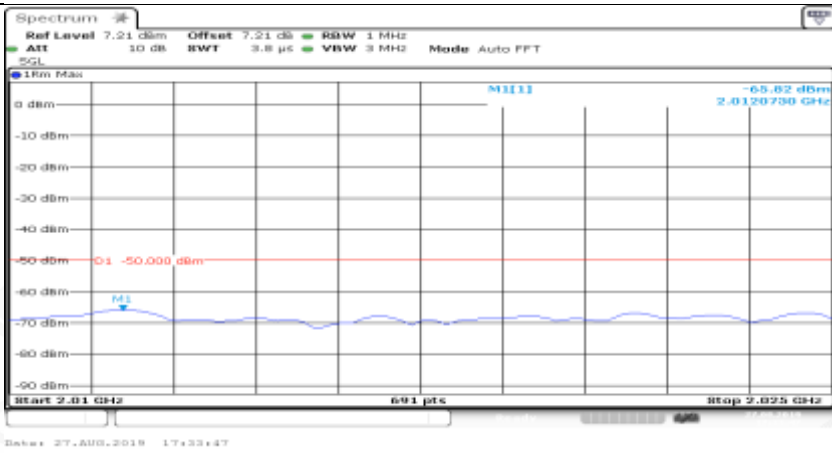
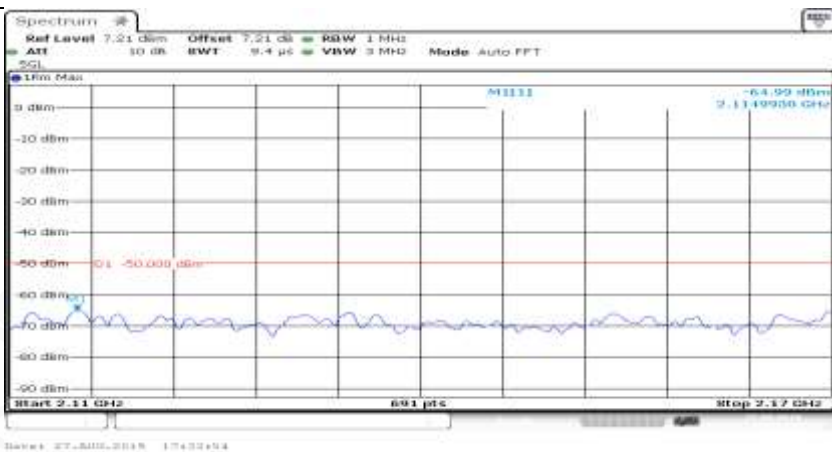
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -72.62 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Date: 27.AUG.2019 17:32:34</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -72.91 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>Date: 27.AUG.2019 17:32:34</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 852.3 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -80.08 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 200.0 MHz 691 pts Stop 810.95 MHz</p> <p>Date: 27.AUG.2019 17:32:35</p>

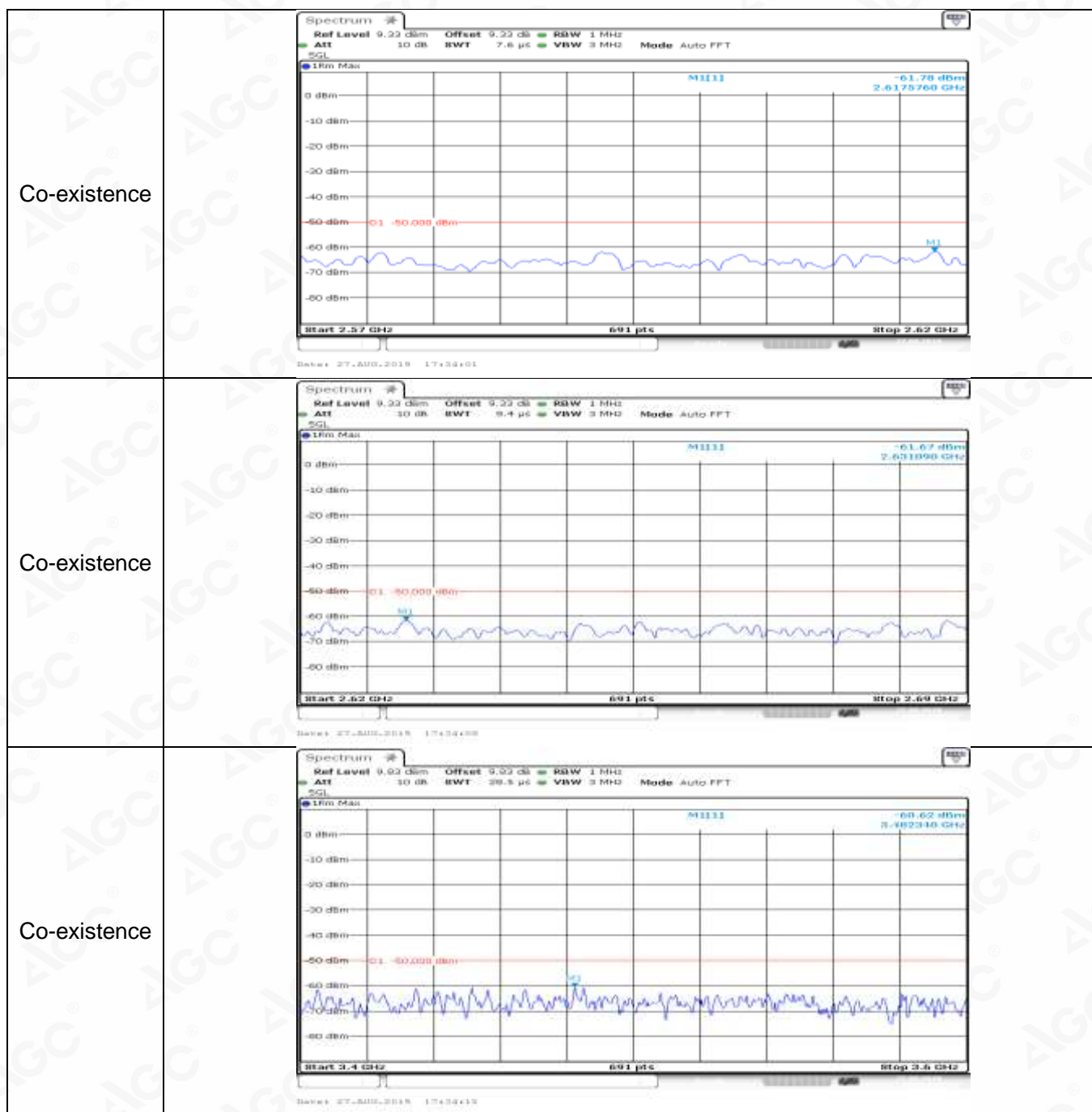


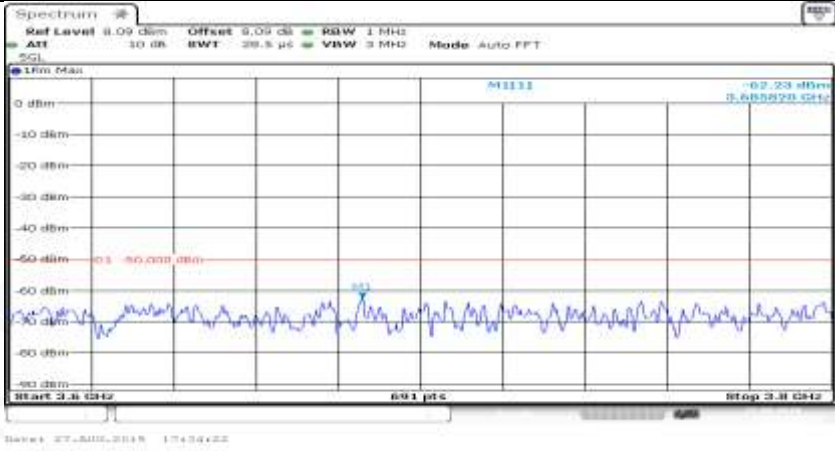
General	
General	
General	

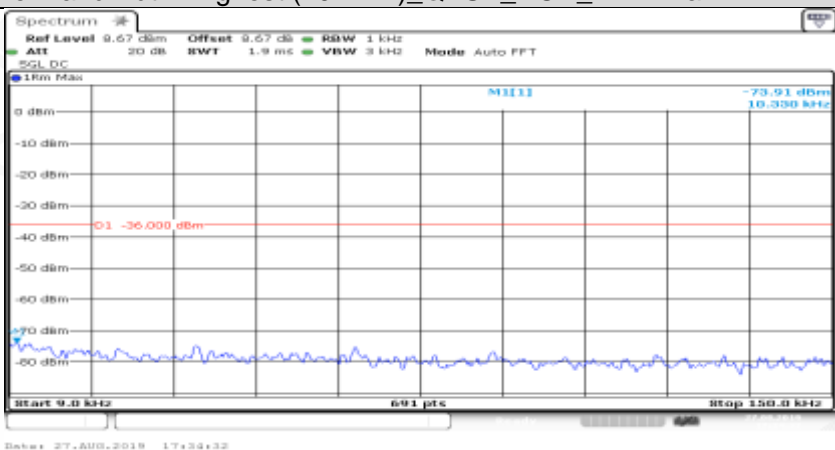
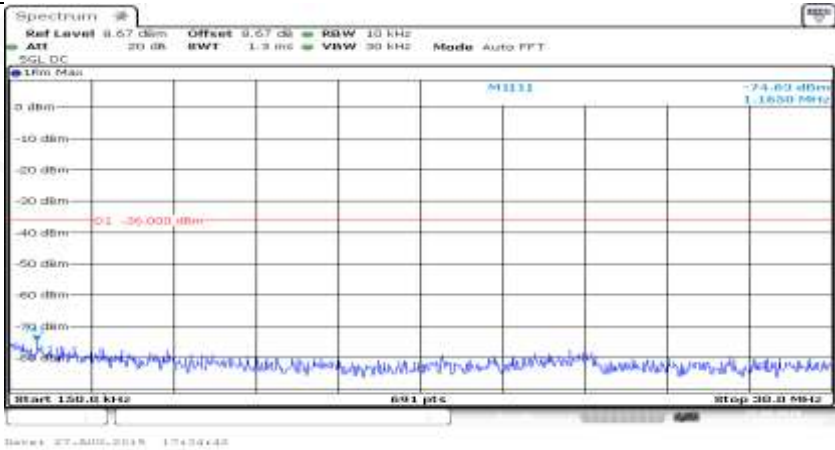


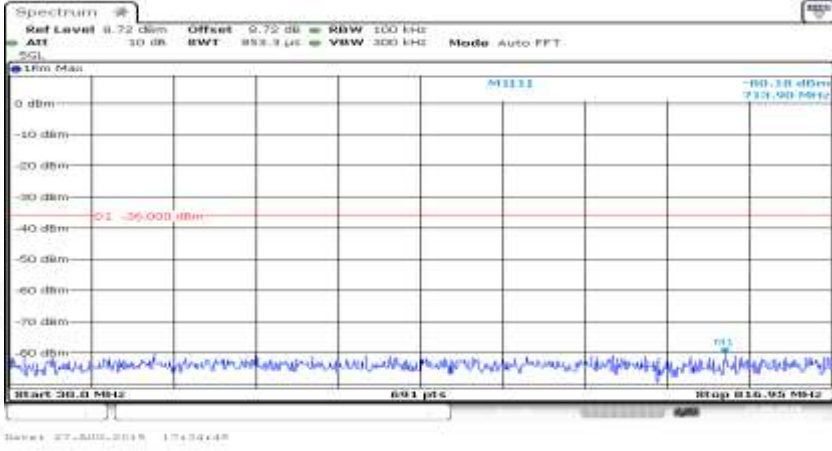
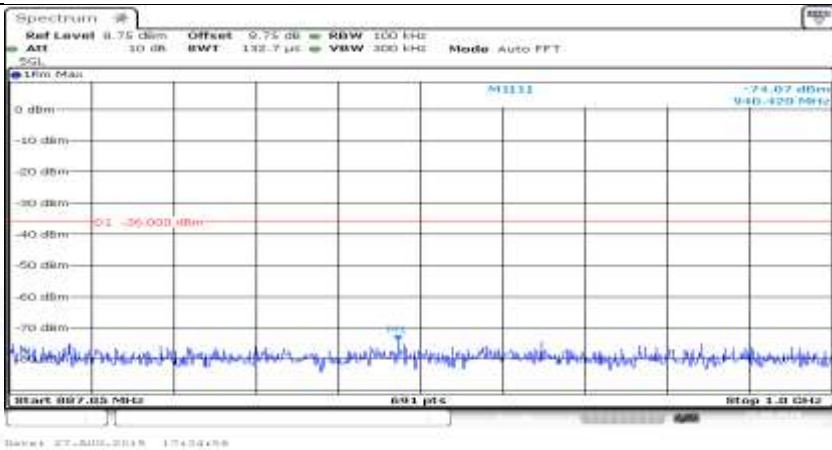
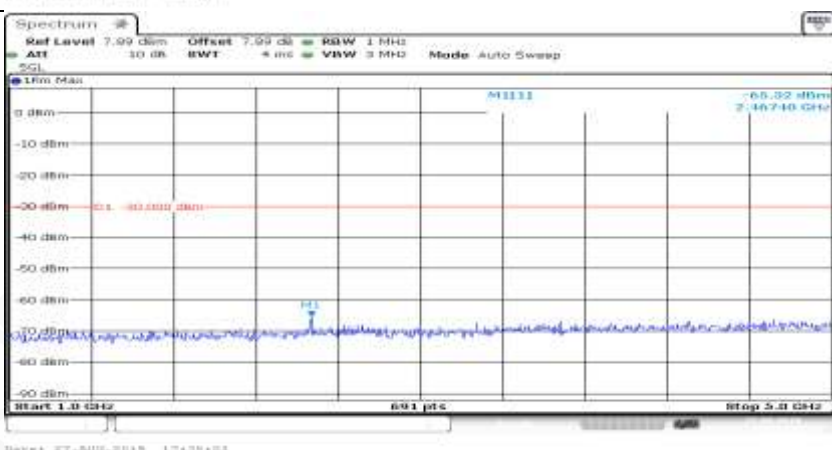
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

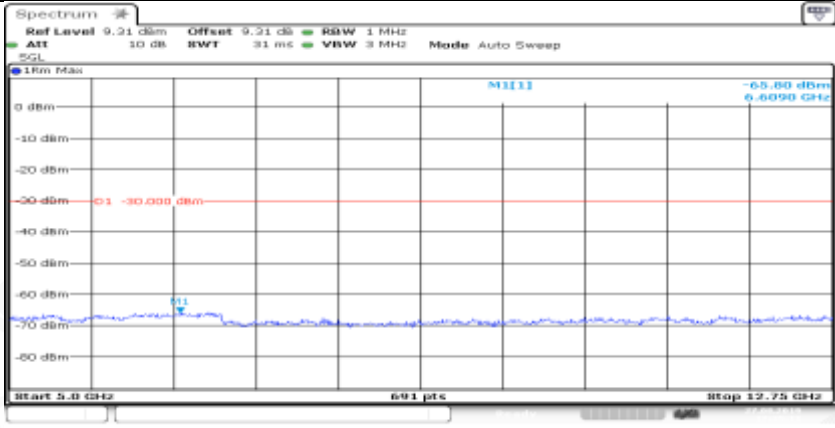

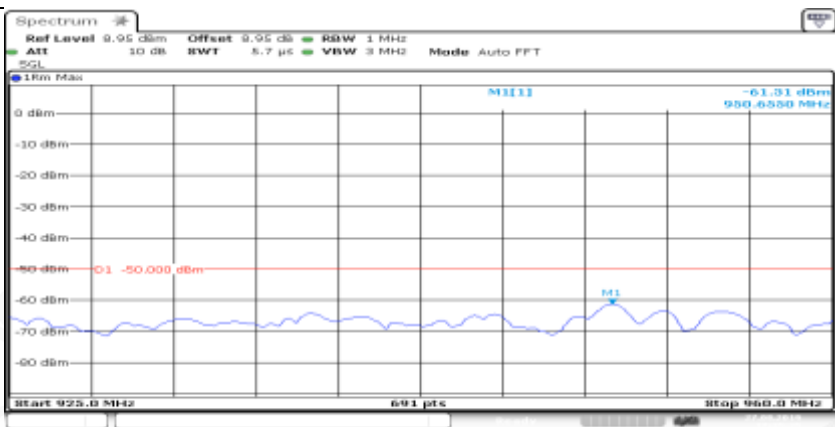


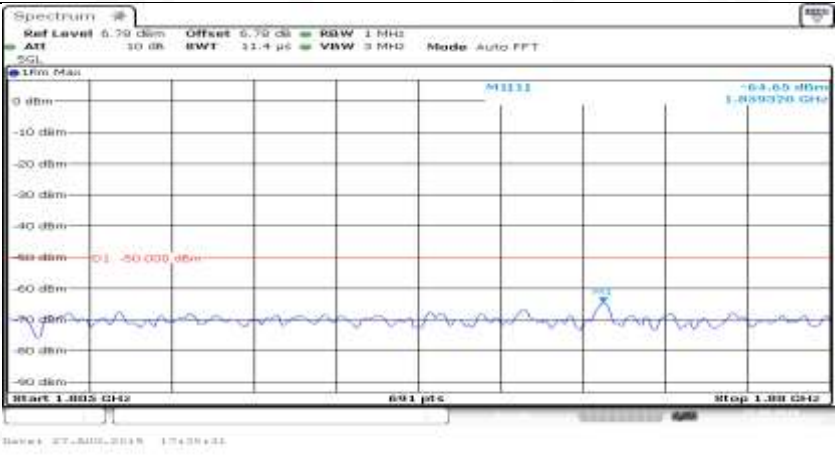
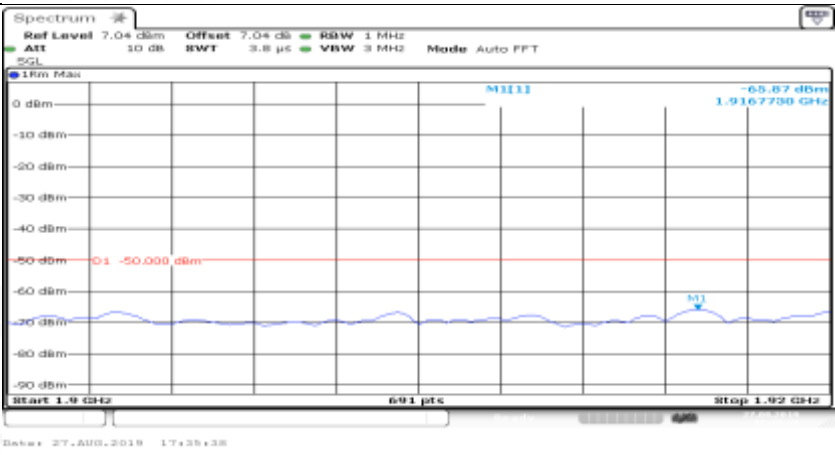
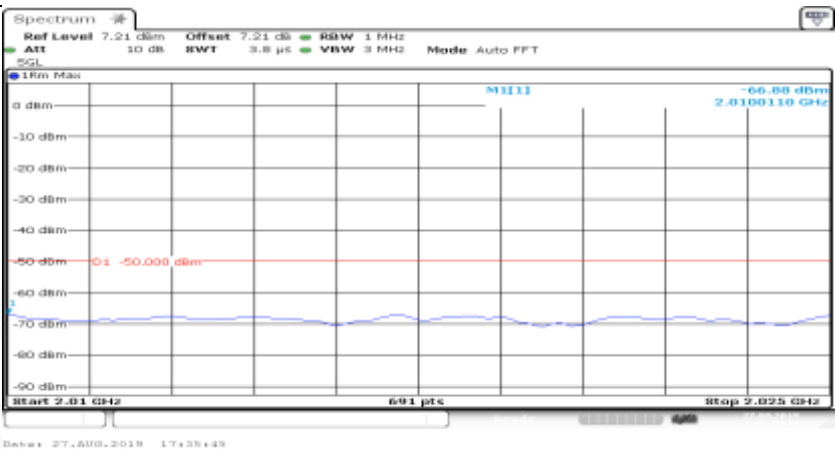
Co-existence	
Additional	NA

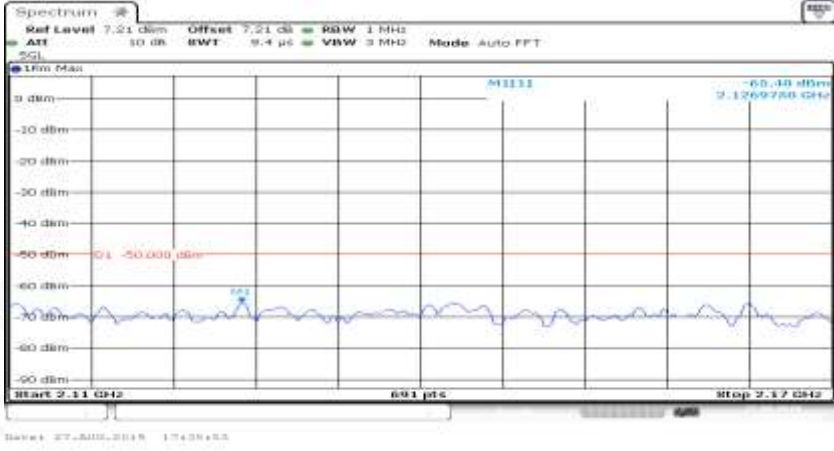
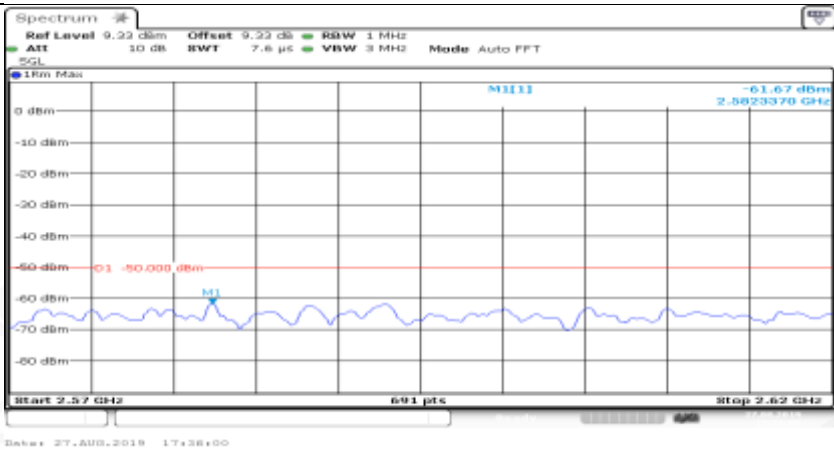
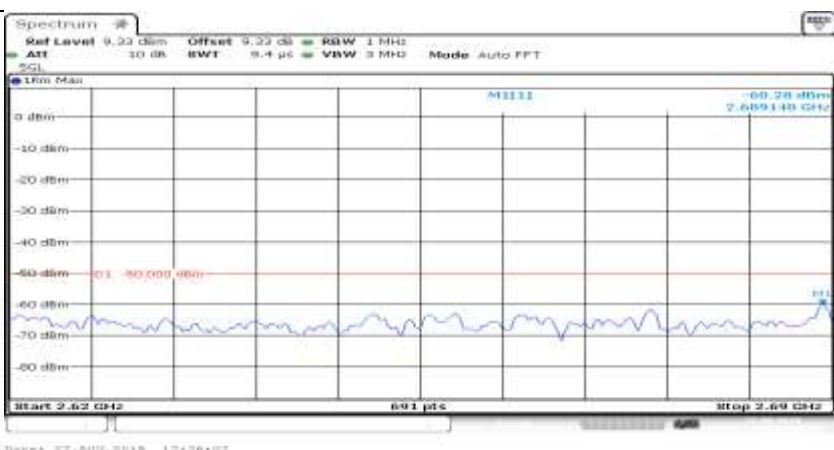
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	

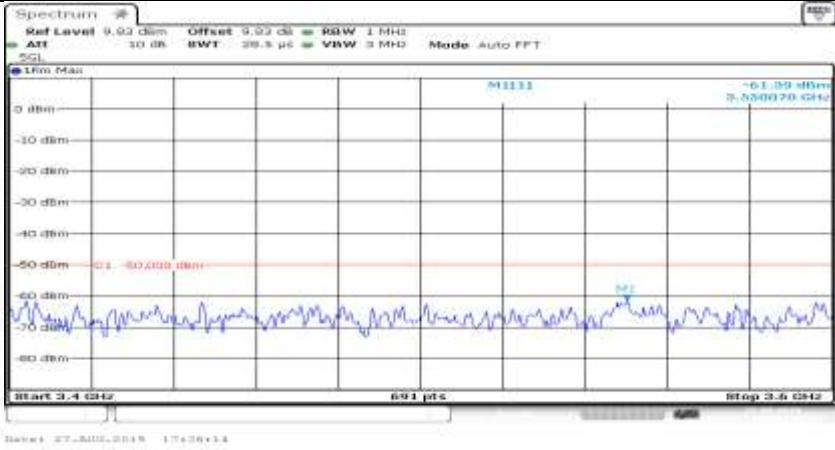
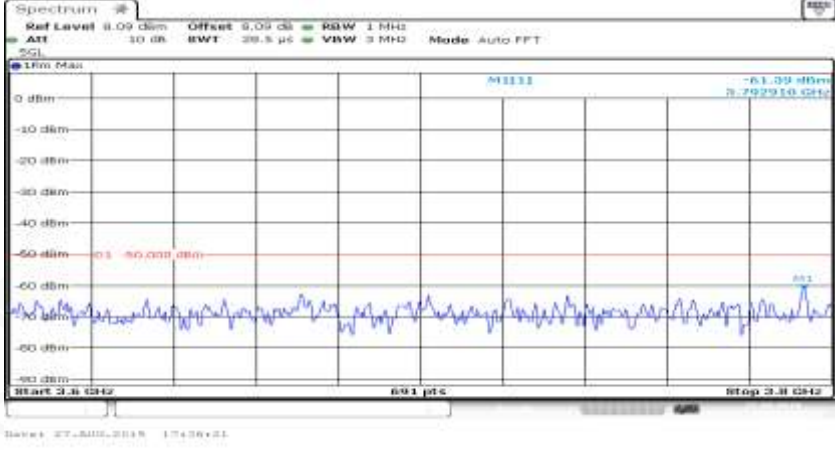


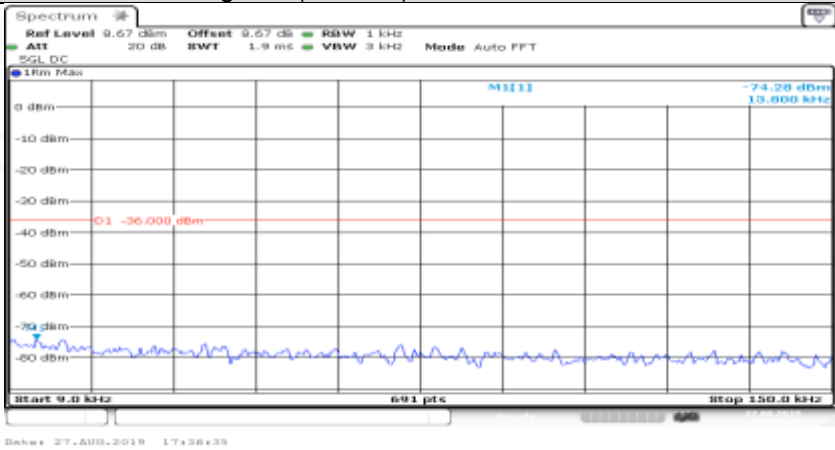
General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 27.AUG.2019 17:35:10</p>
Co-existence	 <p>Start 791.0 MHz Stop 816.5 MHz</p> <p>Date: 27.AUG.2019 17:35:17</p>
Co-existence	 <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>Date: 27.AUG.2019 17:35:24</p>

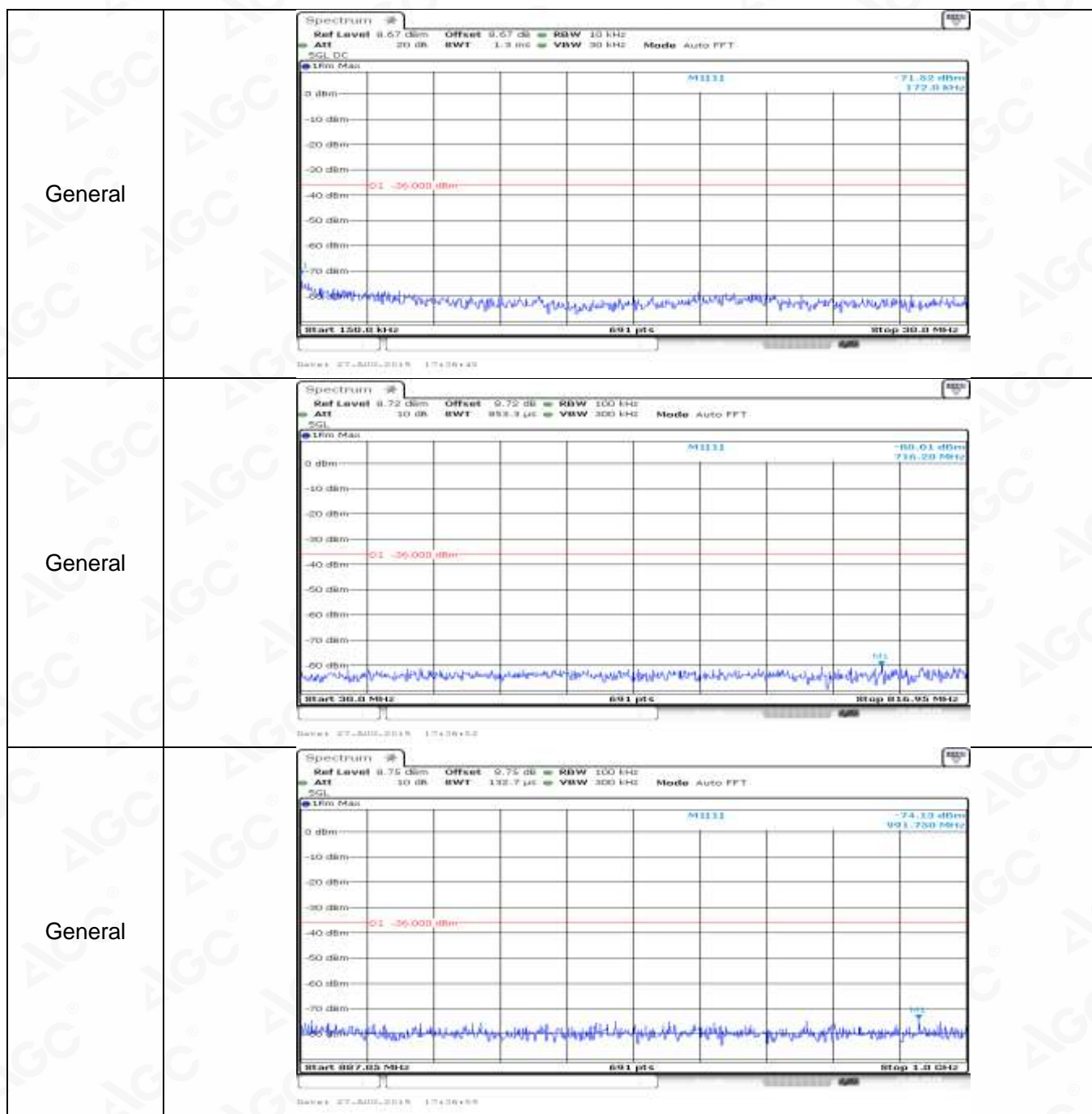
Co-existence	
Co-existence	
Co-existence	

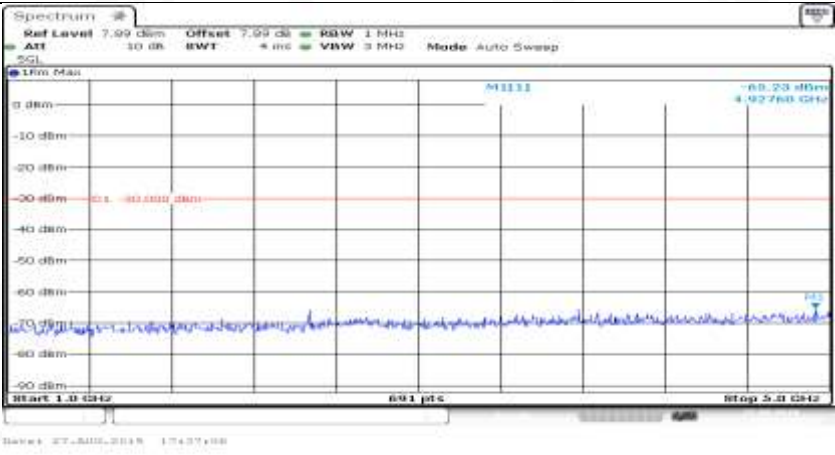
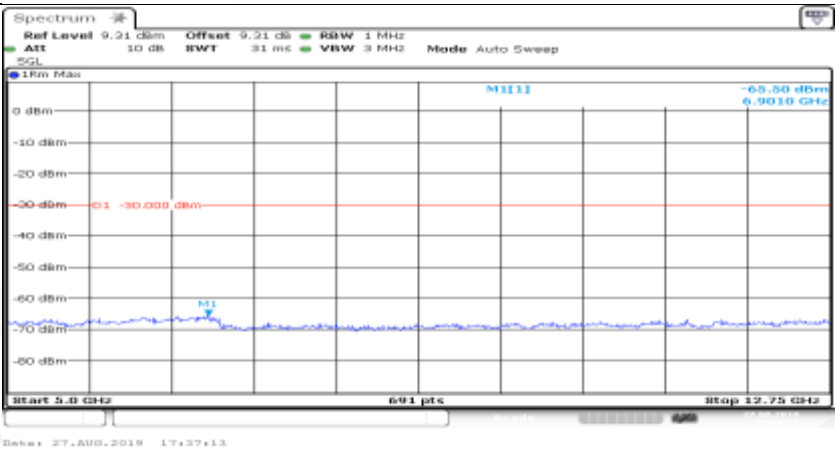
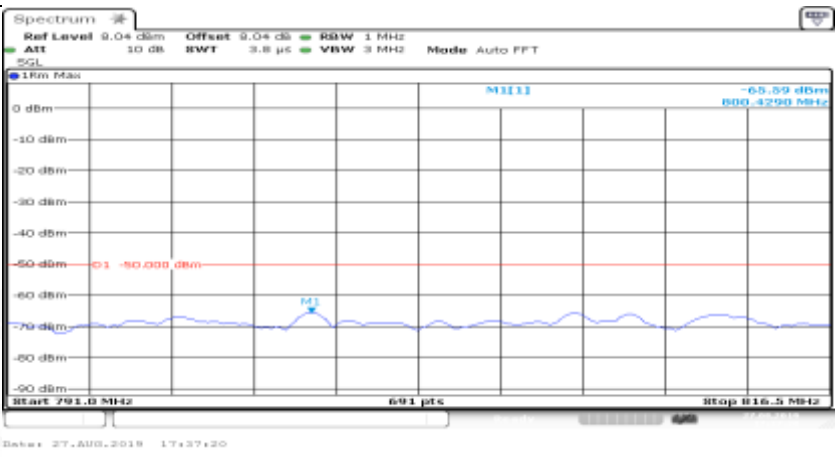
Co-existence	
Co-existence	
Co-existence	

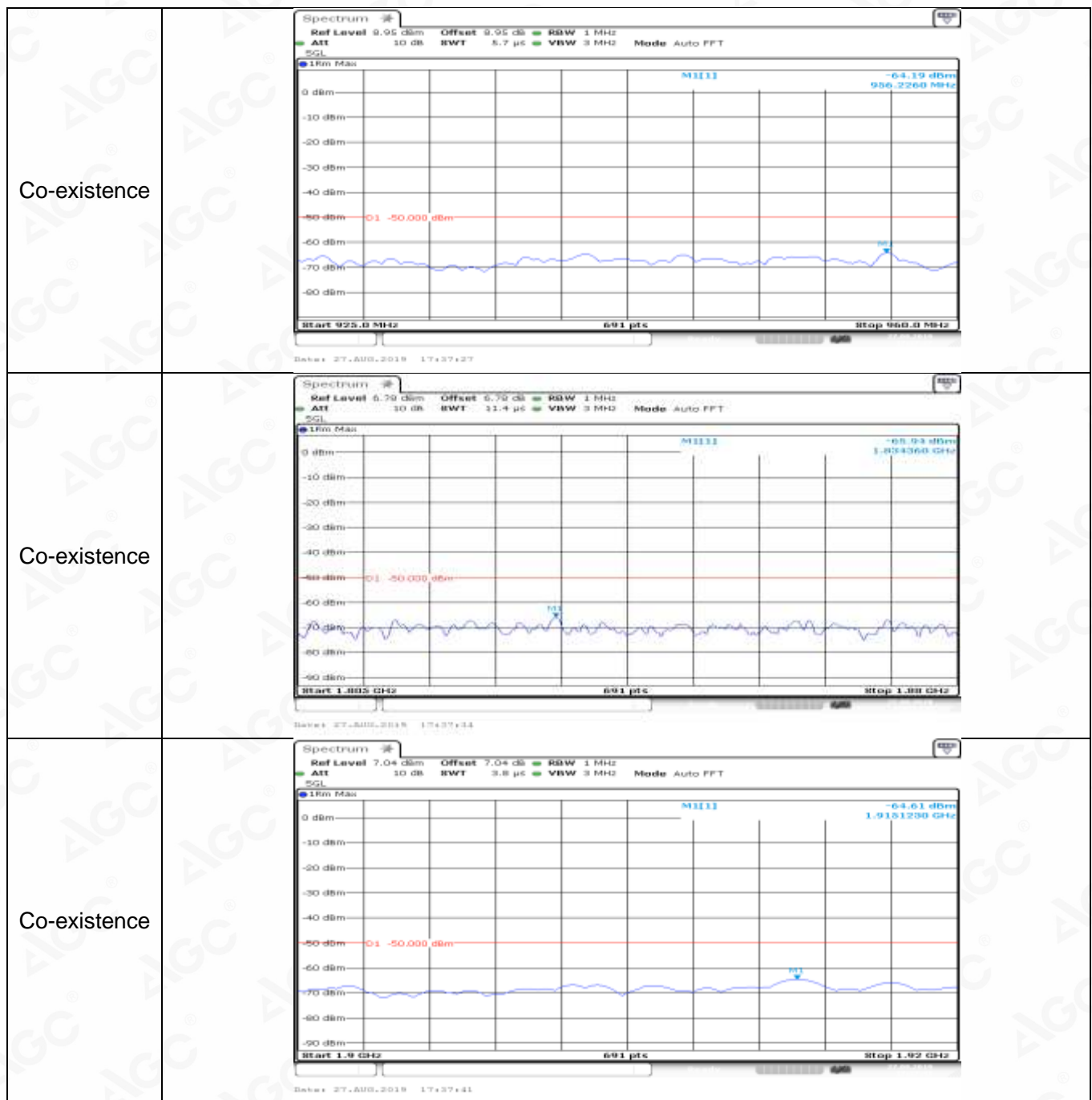


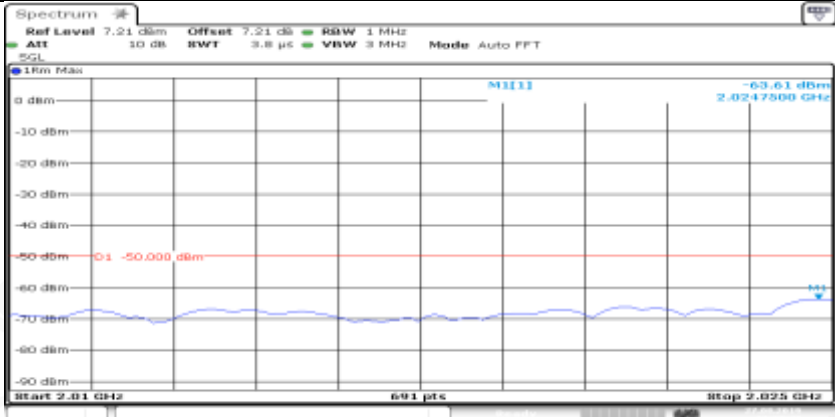


Co-existence	
Co-existence	
Additional	NA


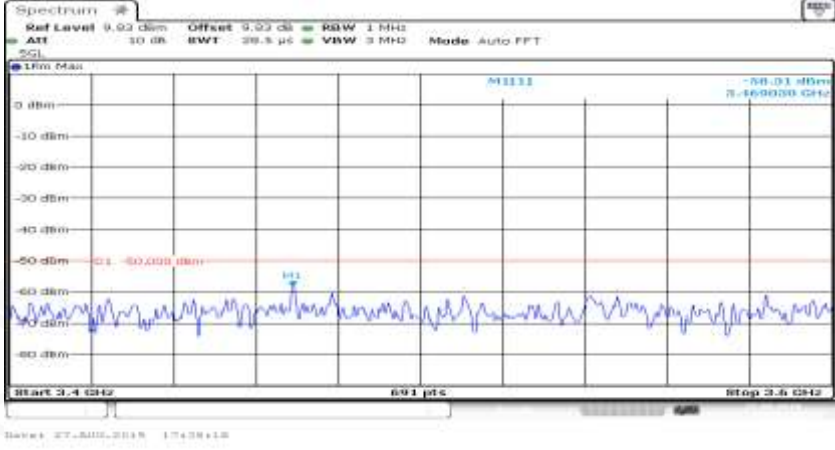

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullIRB#0	
General	



General	
General	
Co-existence	



Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>691 pts</p> <p>27.AUG.2018 17:37:48</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.12 GHz</p> <p>691 pts</p> <p>27.AUG.2018 17:37:58</p>
Co-existence	 <p>Start 2.57 GHz Stop 2.58 GHz</p> <p>691 pts</p> <p>27.AUG.2018 17:38:02</p>

Co-existence	
Co-existence	
Co-existence	
Additional	NA

6. Receiver Spurious Emissions

Test Result

NTNV

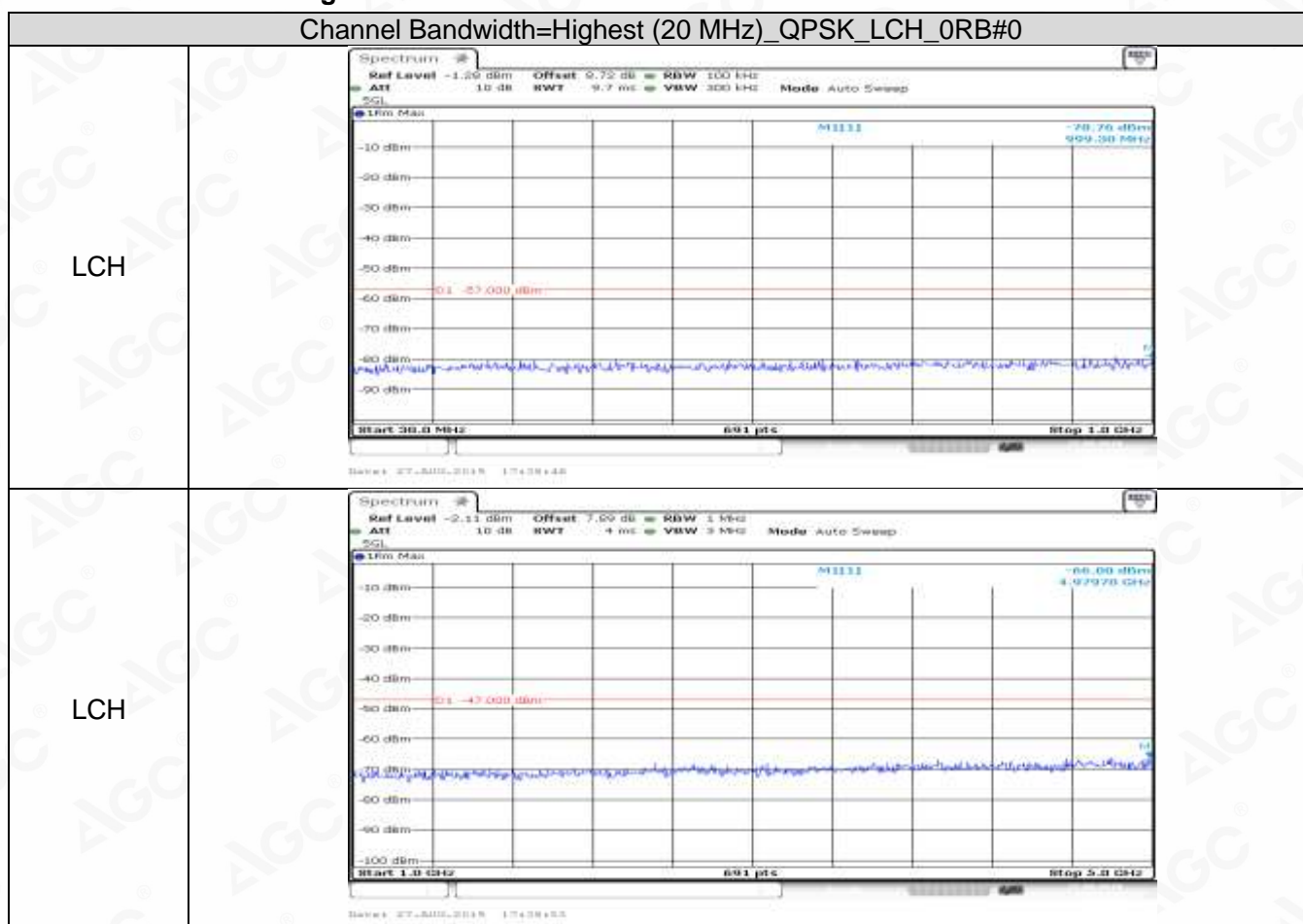
Channel Bandwidth=Highest

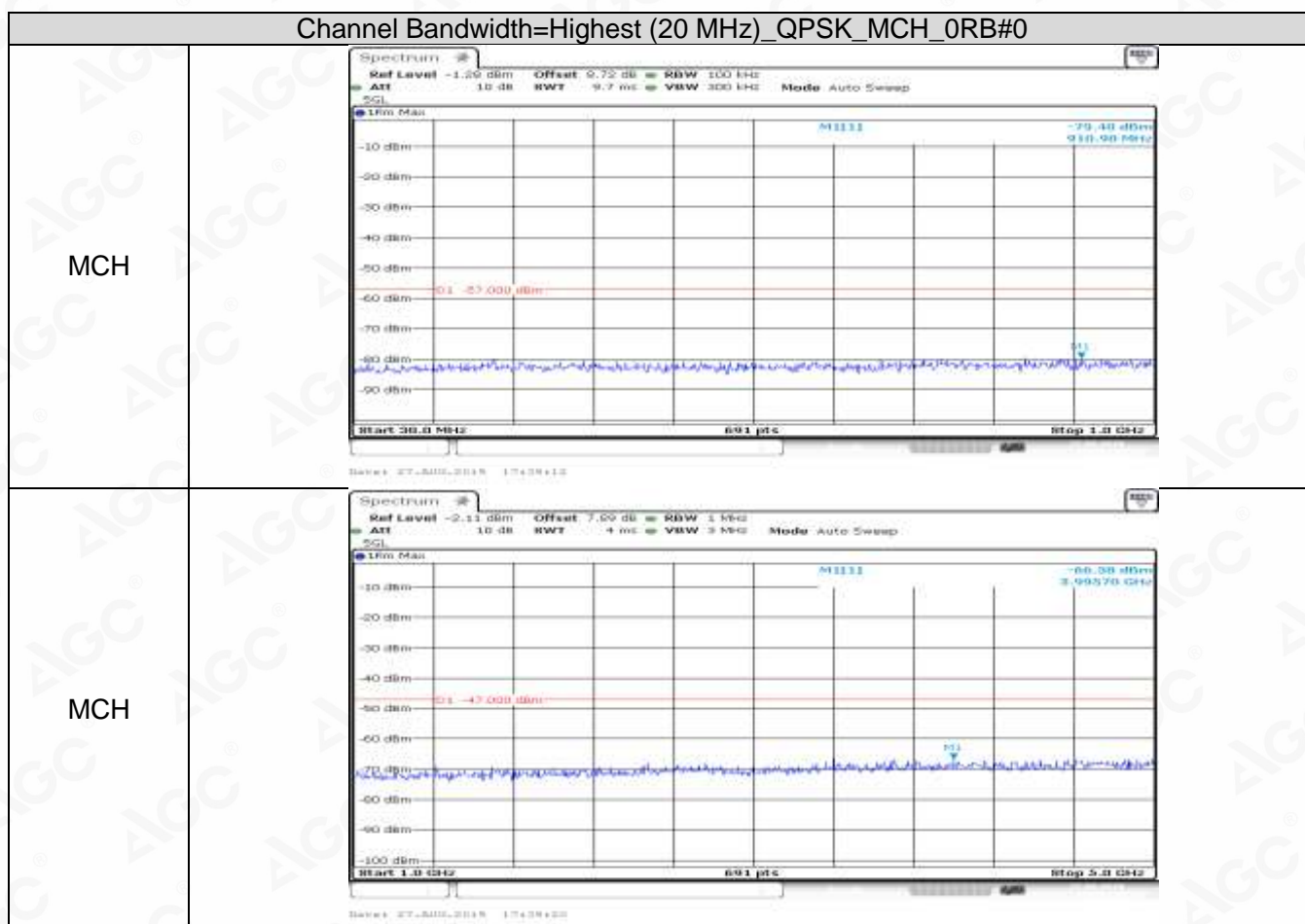
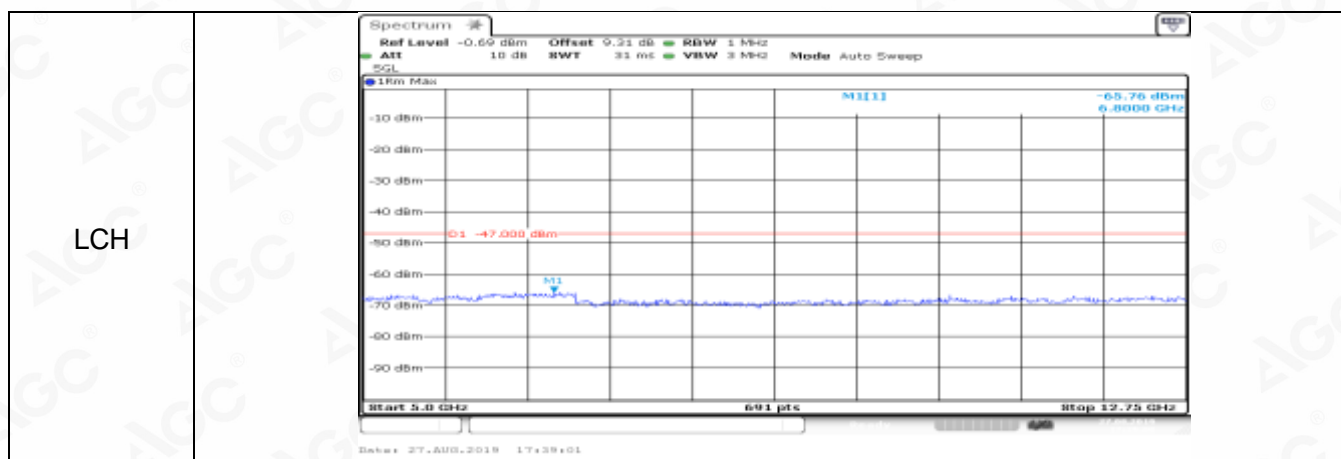
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

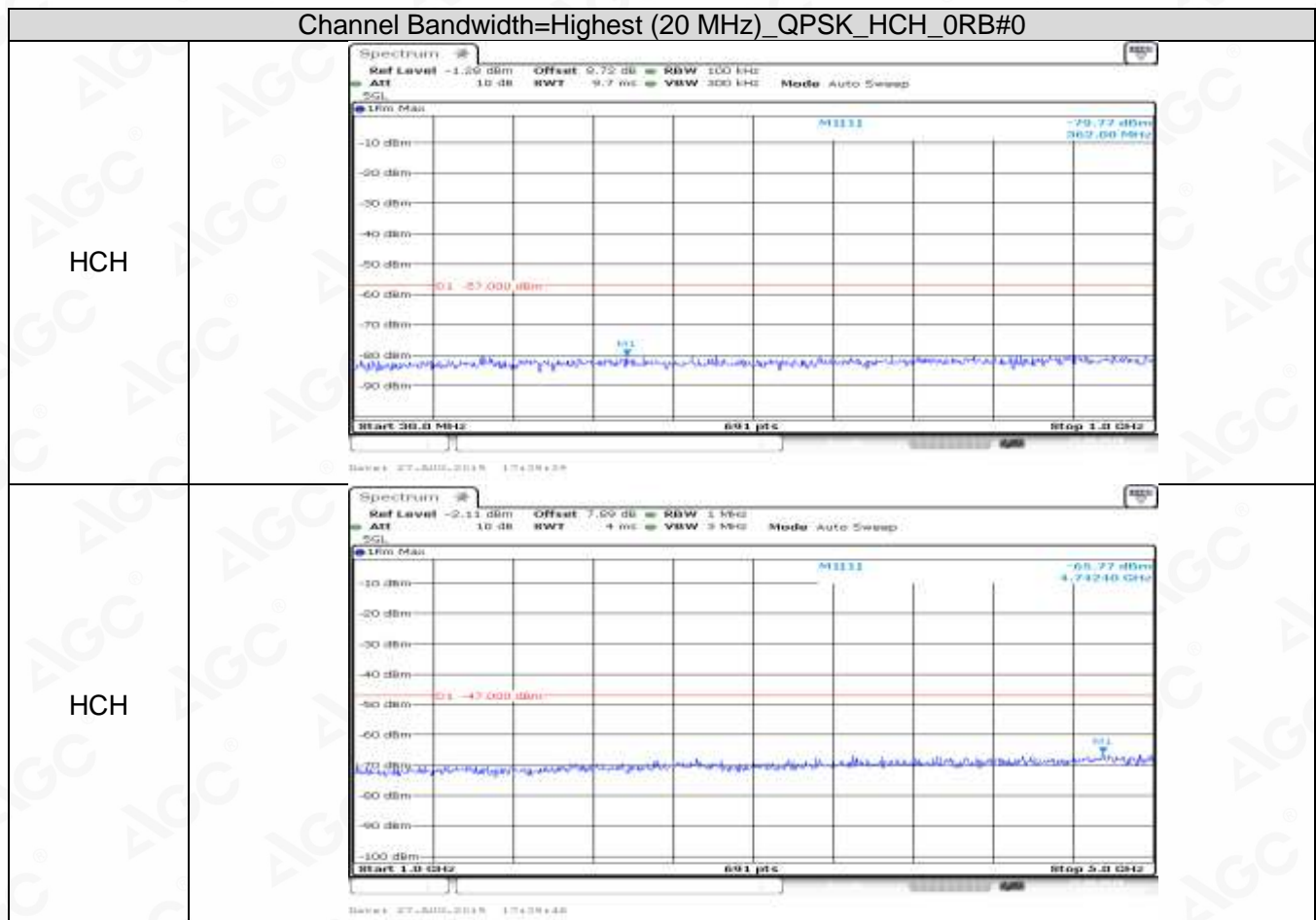
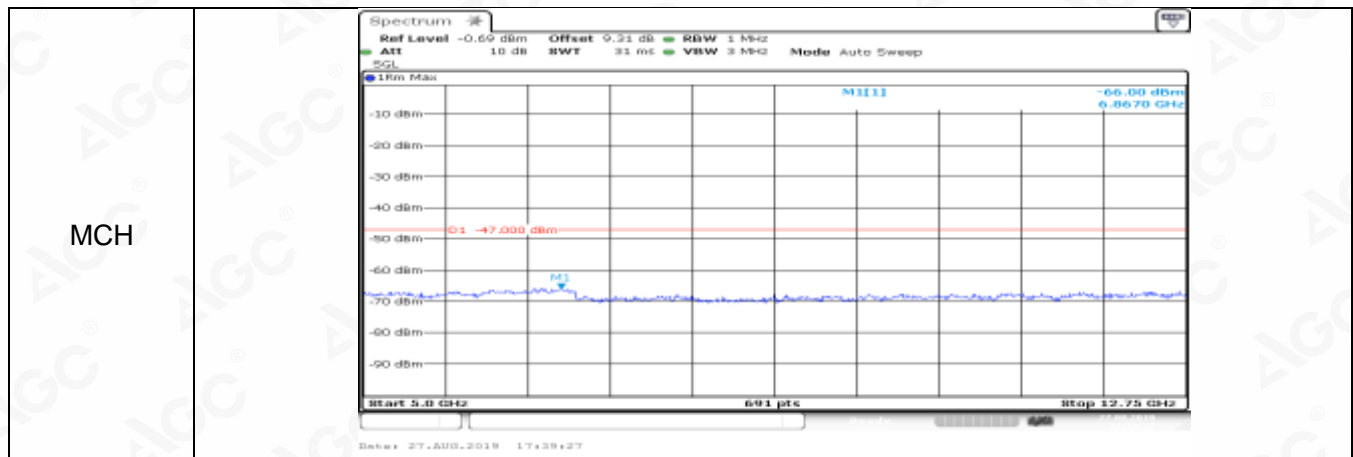
Test Graphs

NTNV

Channel Bandwidth=Highest









7. Receiver Adjacent Channel Selectivity (ACS)

Test Results

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

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



8. Receiver blocking characteristics

Test Results

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

In-Band Blocking

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

In-Band Blocking

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

Out-of Band Blocking

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

Verdict	PASS
----------------	-------------

Narrow Band

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



9. Receiver Spurious Response

Test Results

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

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



10. Receiver Intermodulation Characteristics

Test Results

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

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



11. Receiver Reference Sensitivity Level

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

Test Results

NTNV

	Test Band			Band 20			
	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		
TNVL	5MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	PASS						



Attestation of Global Compliance

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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

12. Radiated spurious emissions - MS in idle mode

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

Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-63.28	-63.11	-63.35
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-70.35	-70.42	-70.37
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-69.42	-69.28	-69.38



Attestation of Global Compliance

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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

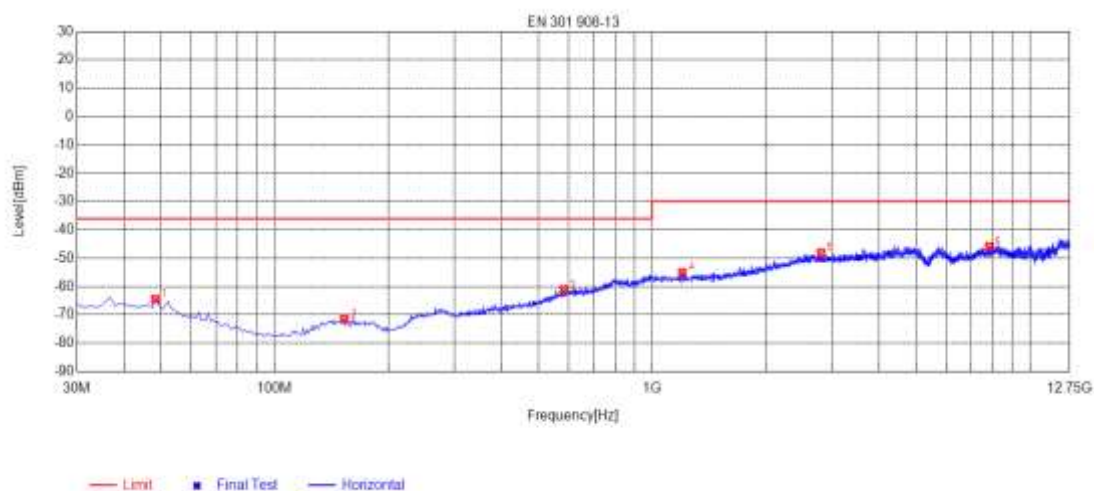
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

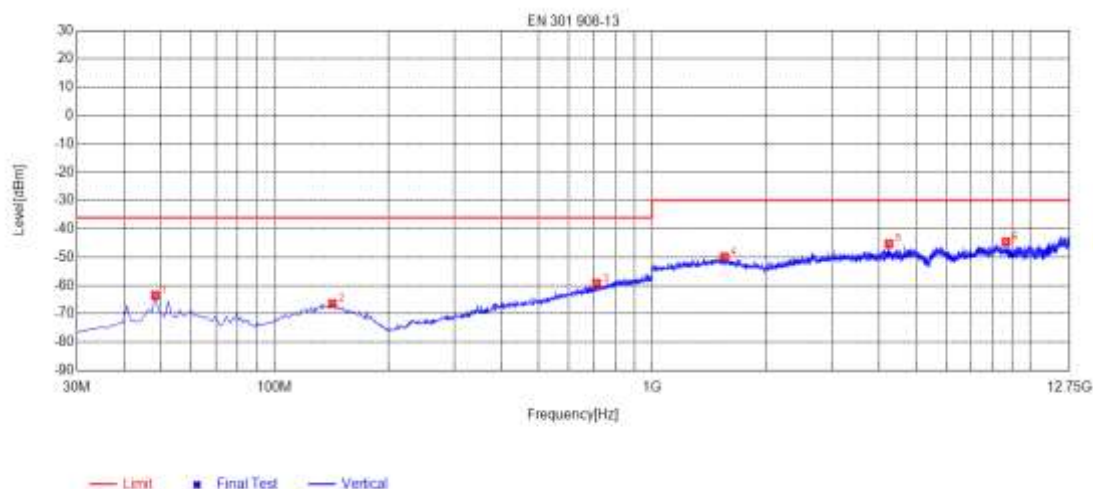
APPENDIX F . RADIATED SPURIOUS EMISSIONS TEST RESULT

RADIATED SPURIOUS EMISSIONS LTE Band 1– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-98.38	-64.51	-36.00	28.51	33.87	188	Horizontal
2	153.1900	-100.88	-71.55	-36.00	35.55	29.33	36	Horizontal
3	583.8700	-100.40	-61.12	-36.00	25.12	39.28	113	Horizontal
4	1202.1404	-51.27	-55.11	-30.00	25.11	-3.84	163	Horizontal
5	2802.8106	-53.10	-48.15	-30.00	18.15	4.95	137	Horizontal
6	7809.3119	-59.10	-45.95	-30.00	15.95	13.15	180	Horizontal

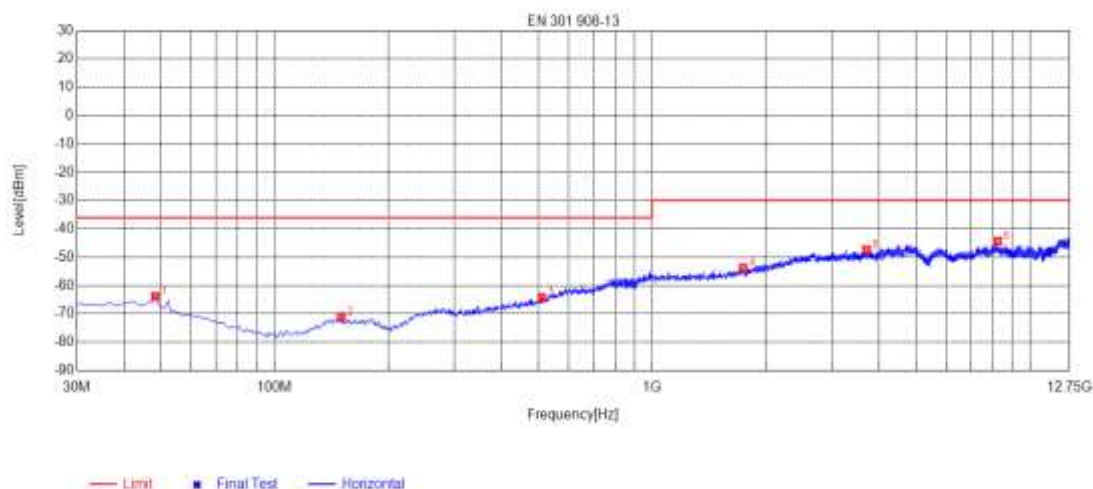
RADIATED SPURIOUS EMISSIONS LTE Band 1– VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-92.95	-63.40	-36.00	27.40	29.55	188	Vertical
2	142.5200	-100.65	-66.43	-36.00	30.43	34.22	324	Vertical
3	712.8800	-99.95	-59.24	-36.00	23.24	40.71	172	Vertical
4	1554.7109	-51.86	-49.89	-30.00	19.89	1.97	0	Vertical
5	4238.9478	-52.94	-45.28	-30.00	15.28	7.66	350	Vertical
6	8657.8316	-57.67	-44.61	-30.00	14.61	13.06	138	Vertical



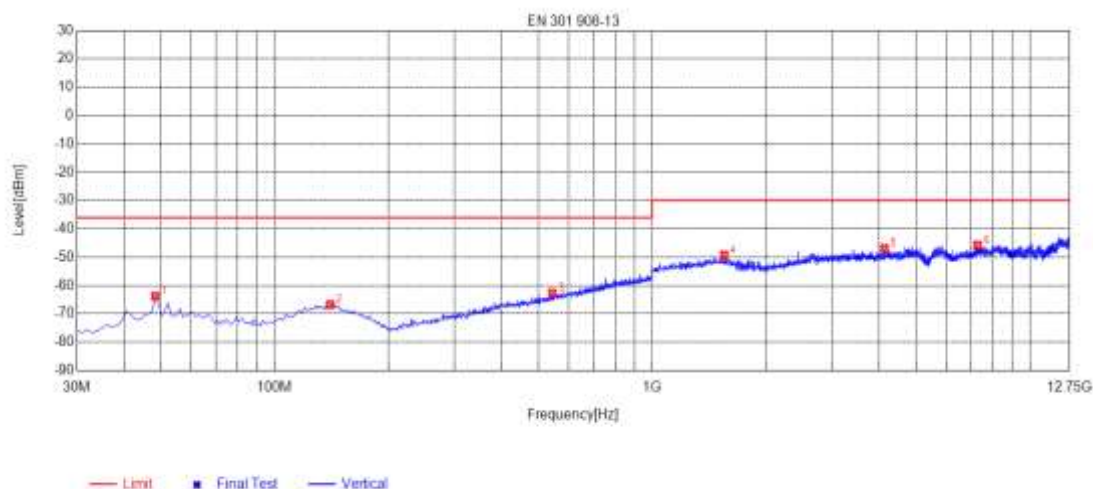
RADIATED SPURIOUS EMISSIONS LTE Band 3– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-97.73	-63.86	-36.00	27.86	33.87	1	Horizontal
2	150.2800	-100.39	-71.05	-36.00	35.05	29.34	195	Horizontal
3	510.1500	-100.93	-64.24	-36.00	28.24	36.69	162	Horizontal
4	1742.7486	-52.39	-53.78	-30.00	23.78	-1.39	10	Horizontal
5	3693.6387	-54.22	-47.43	-30.00	17.43	6.79	237	Horizontal
6	8225.3451	-57.23	-44.35	-30.00	14.35	12.88	360	Horizontal



RADIATED SPURIOUS EMISSIONS LTE Band 3- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-93.32	-63.77	-36.00	27.77	29.55	190	Vertical
2	140.5800	-101.09	-66.74	-36.00	30.74	34.35	350	Vertical
3	544.1000	-100.07	-62.66	-36.00	26.66	37.41	273	Vertical
4	1552.3605	-51.22	-49.24	-30.00	19.24	1.98	72	Vertical
5	4121.4243	-54.35	-46.87	-30.00	16.87	7.48	63	Vertical
6	7275.7552	-58.83	-45.73	-30.00	15.73	13.10	55	Vertical



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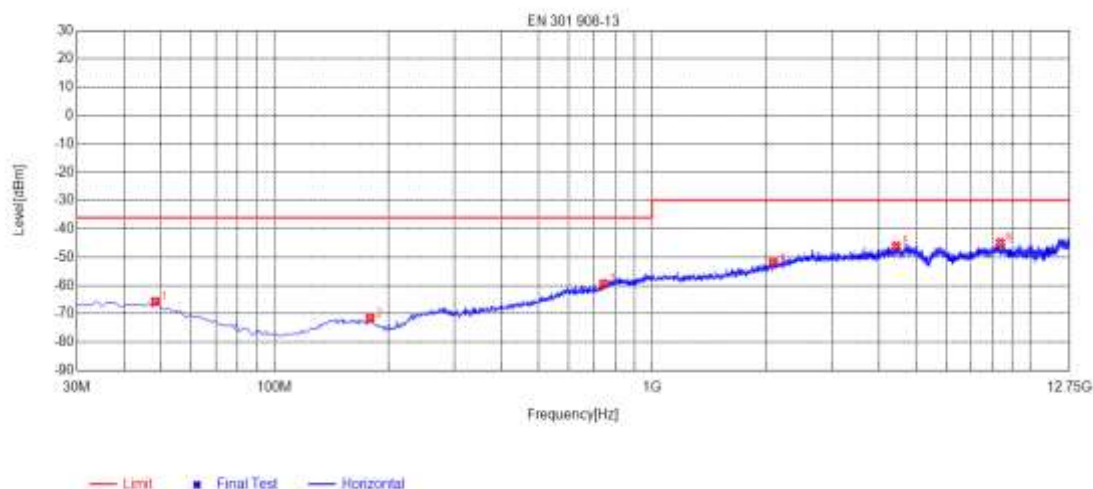
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

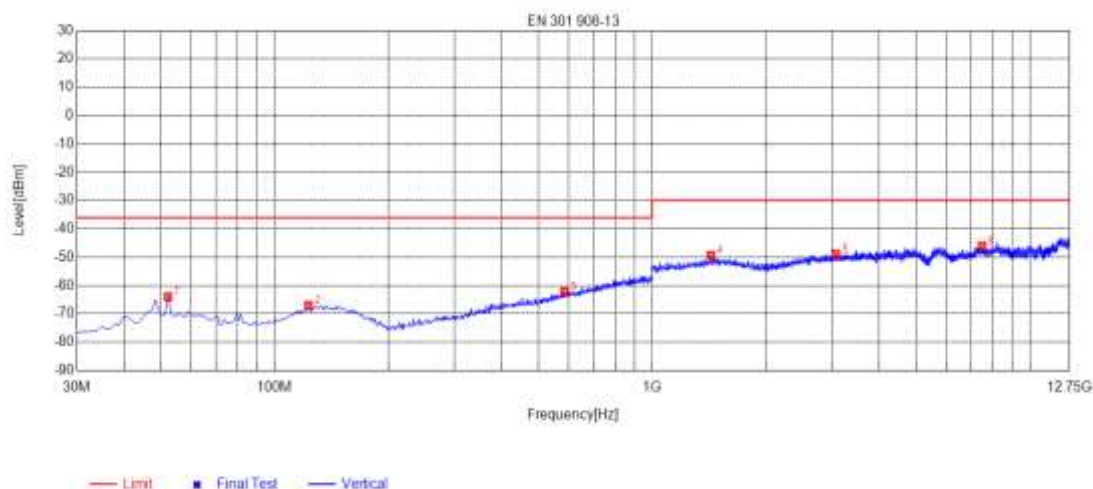
RADIATED SPURIOUS EMISSIONS LTE Band 7– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-99.52	-65.65	-36.00	29.65	33.87	356	Horizontal
2	179.3800	-101.09	-71.56	-36.00	35.56	29.53	113	Horizontal
3	744.8900	-101.05	-59.45	-36.00	23.45	41.60	19	Horizontal
4	2095.3191	-53.13	-51.85	-30.00	21.85	1.28	157	Horizontal
5	4429.3359	-55.40	-46.16	-30.00	16.16	9.24	53	Horizontal
6	8359.3219	-57.80	-44.90	-30.00	14.90	12.90	138	Horizontal



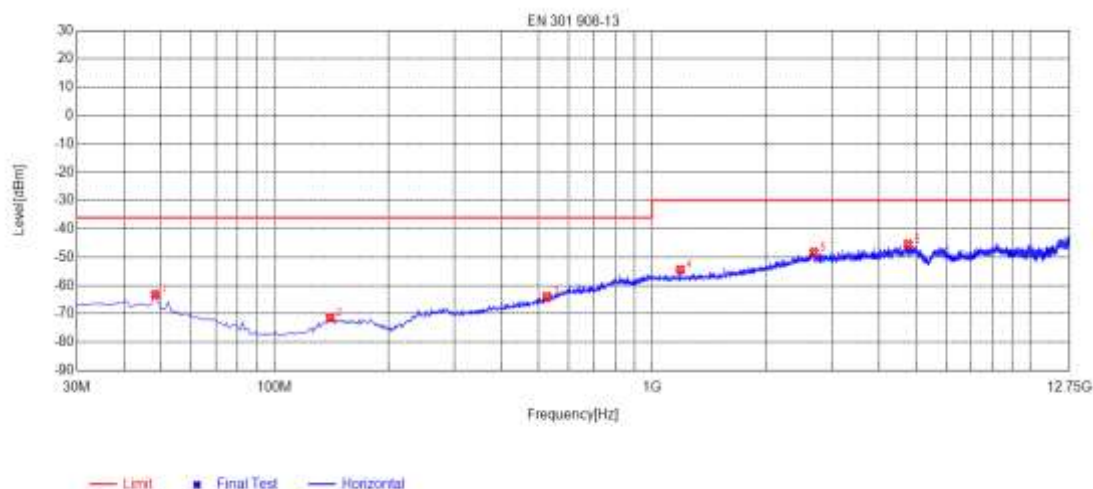
RADIATED SPURIOUS EMISSIONS LTE Band 7- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-94.10	-63.93	-36.00	27.93	30.17	291	Vertical
2	123.1200	-100.18	-66.93	-36.00	30.93	33.25	196	Vertical
3	585.8100	-100.57	-62.19	-36.00	26.19	38.38	69	Vertical
4	1432.4865	-51.03	-49.32	-30.00	19.32	1.71	120	Vertical
5	3070.7642	-54.18	-48.85	-30.00	18.85	5.33	19	Vertical
6	7477.8956	-59.82	-46.04	-30.00	16.04	13.78	188	Vertical



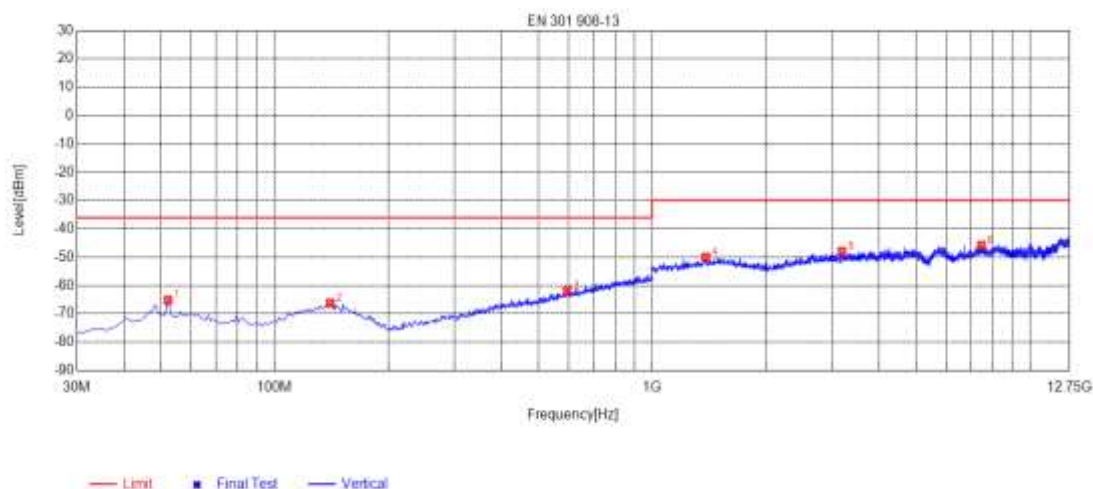
RADIATED SPURIOUS EMISSIONS LTE Band 8– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-97.06	-63.19	-36.00	27.19	33.87	305	Horizontal
2	140.5800	-100.76	-71.38	-36.00	35.38	29.38	296	Horizontal
3	526.6400	-101.19	-63.92	-36.00	27.92	37.27	1	Horizontal
4	1188.0376	-50.59	-54.46	-30.00	24.46	-3.87	305	Horizontal
5	2682.9366	-53.02	-48.27	-30.00	18.27	4.75	330	Horizontal
6	4763.1026	-55.06	-45.44	-30.00	15.44	9.62	10	Horizontal



RADIATED SPURIOUS EMISSIONS LTE Band 8- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-95.33	-65.16	-36.00	29.16	30.17	64	Vertical
2	140.5800	-100.52	-66.17	-36.00	30.17	34.35	333	Vertical
3	596.4800	-100.53	-61.90	-36.00	25.90	38.63	241	Vertical
4	1387.8276	-51.40	-49.98	-30.00	19.98	1.42	22	Vertical
5	3183.5867	-53.48	-47.96	-30.00	17.96	5.52	148	Vertical
6	7447.3395	-59.49	-45.81	-30.00	15.81	13.68	123	Vertical



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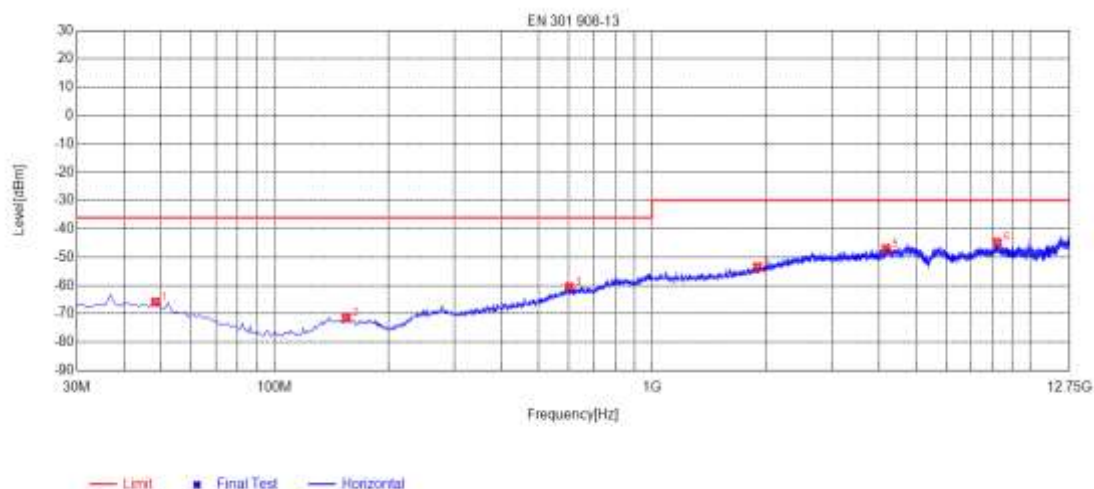
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

RADIATED SPURIOUS EMISSIONS LTE Band 20- HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-99.72	-65.85	-36.00	29.85	33.87	103	Horizontal
2	155.1300	-100.54	-71.21	-36.00	35.21	29.33	355	Horizontal
3	603.2700	-100.42	-60.56	-36.00	24.56	39.86	87	Horizontal
4	1900.2300	-53.19	-53.41	-30.00	23.41	-0.22	146	Horizontal
5	4166.0832	-55.34	-47.02	-30.00	17.02	8.32	36	Horizontal
6	8197.1394	-57.59	-44.72	-30.00	14.72	12.87	179	Horizontal



Attestation of Global Compliance

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

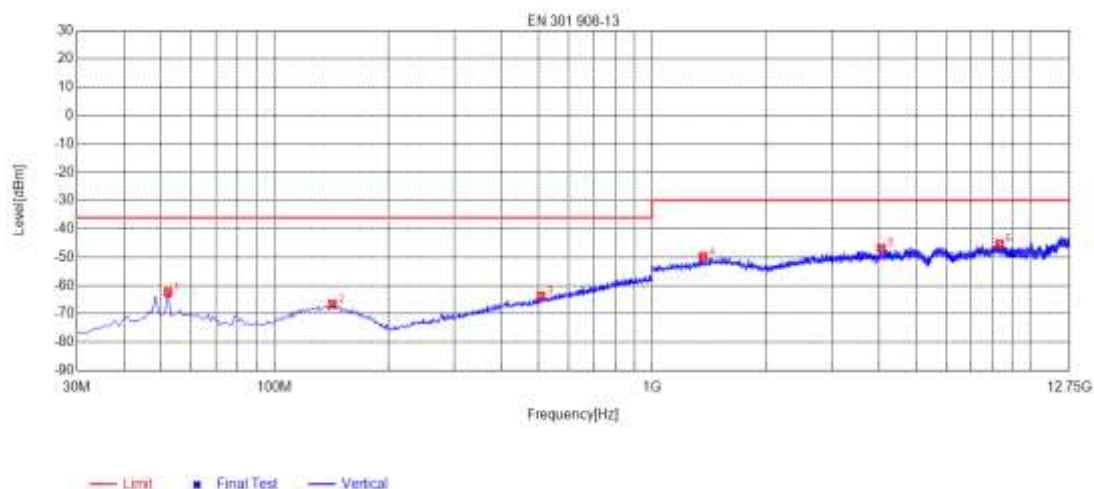
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

RADIATED SPURIOUS EMISSIONS LTE Band 20- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-92.58	-62.41	-36.00	26.41	30.17	213	Vertical
2	142.5200	-100.79	-66.57	-36.00	30.57	34.22	0	Vertical
3	508.2100	-100.22	-63.64	-36.00	27.64	36.58	280	Vertical
4	1364.3229	-51.06	-49.80	-30.00	19.80	1.26	71	Vertical
5	4043.8588	-54.25	-46.89	-30.00	16.89	7.36	0	Vertical
6	8317.0134	-58.30	-45.36	-30.00	15.36	12.94	20	Vertical



APPENDIX G: PHOTOGRAPHS OF TEST SETUP
RADIATED SPURIOUS EMISSION TEST



RADIATED SPURIOUS ABOVE 1G EMISSION TEST



----END OF REPORT----