FCC RF Test Report

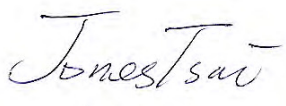
APPLICANT	: Motorola Mobility LLC.
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: 7383
FCC ID	: IHDT56VD4
STANDARD	: 47 CFR Part 2, 22(H), 24(E), 27
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)

The product was received on May 10, 2016 and completely tested on Jun. 10, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-D-2010 and the testing has shown the tested sample to be in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Joseph Lin / Supervisor



Approved by: Jones Tsai / Manager

Testing Laboratory
1190

SPORTON INTERNATIONAL INC.
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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG651006B	Rev. 01	Initial issue of report	Jun. 03, 2016
FG651006B	Rev. 02	Revising the Emission Designator of LTE Band 2, 4, and 25 in section 1.6.	Jun. 10, 2016

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7)(Band 41)	< 55+10log$_{10}$(P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		

Report Section	FCC Rule	Description	Limit	Result	Remark
4.4	§22.913(a)(2)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2)(Band 25) (Band 7)(Band 41)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		
4.5	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< $43+10\log_{10}(P[Watts])$	PASS	Under limit 3.20 dB at 8052.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)(Band 41)	< $55+10\log_{10}(P[Watts])$		

1 General Description

1.1 Applicant

Motorola Mobility LLC.
222 W. Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC.
222 W. Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	7383
FCC ID	IHDT56VD4
IMEI Code	354140070005042
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/FM WLAN 11b/g/n HT20 Bluetooth v3.0 EDR Bluetooth v4.1 LE
HW Version	DVT2-A
SW Version	fastboot_harpia_oem_userdebug_6.0.1_MPI24.223_2173_intcfg-test-keys_oem.tar.gz
EUT Stage	Identical Prototype

Accessory List	
AC Adapter 1	Brand Name : Motorola
	Model Name : SPN5945A
AC Adapter 2	Brand Name : Motorola
	Model Name : SPN5838A
Battery 1	Brand Name : Motorola
	Model Name : SNN5976A
Battery 2	Brand Name : Motorola
	Model Name : SNN5977A
Earphone	Brand Name : Motorola
	Model Name : SJYN1181B
USB Cable	Brand Name : Motorola
	Model Name : SKN6462A

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25 : 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 814.7MHz ~ 848.3 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz
Rx Frequency	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5MHz ~ 2687.5 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25 : 1930.7MHz ~ 1994.3 MHz LTE Band 26 : 859.7MHz ~ 893.3 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.27 dBm LTE Band 4 : 23.59 dBm LTE Band 5 : 22.63 dBm LTE Band 7 : 22.62 dBm LTE Band 13 : 22.98 dBm LTE Band 12 : 22.94 dBm LTE Band 17 : 22.95 dBm LTE Band 25 : 23.77 dBm LTE Band 26 : 22.54 dBm LTE Band 41 : 22.96 dBm
Type of Modulation	QPSK / 16QAM / 64QAM (Downlink Only)

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Emission Designator

LTE Band 2	QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1M10G7D	-	0.1950	1M10W7D	-	0.1879
3	2M73G7D	-	0.1849	2M73W7D	-	0.1698
5	4M51G7D	-	0.1892	4M51W7D	-	0.1687
10	9M05G7D	0.0091	0.1778	9M09W7D	-	0.1714
15	13M5G7D	-	0.1914	13M6W7D	-	0.1766
20	18M4G7D	-	0.1718	18M3W7D	-	0.1603
LTE Band 25	**QPSK**			**16QAM**		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1M10G7D	-	0.2489	1M10W7D	-	0.1991
3	2M72G7D	-	0.2301	2M75W7D	-	0.1892
5	4M51G7D	-	0.2113	4M51W7D	-	0.1803
10	9M07G7D	0.0052	0.2143	9M03W7D	-	0.1799
15	13M5G7D	-	0.2495	13M5W7D	-	0.2028
20	18M4G7D	-	0.2168	18M4W7D	-	0.1762
LTE Band 26	**QPSK**			**16QAM**		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1M10G7D	-	0.1300	1M10W7D	-	0.0923
3	2M72G7D	-	0.1169	2M74W7D	-	0.0875
5	4M51G7D	-	0.1227	4M51W7D	-	0.0879
10	9M09G7D	0.0102	0.1175	9M09W7D	-	0.0899
15	13M5G7D	-	0.1279	13M5W7D	-	0.0912

LTE Band 4	QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1M10G7D	-	0.2265	1M10W7D	-	0.2046
3	2M72G7D	-	0.2104	2M74W7D	-	0.2014
5	4M50G7D	-	0.2143	4M52W7D	-	0.2075
10	9M05G7D	0.0065	0.2275	9M03W7D	-	0.2056
15	13M4G7D	-	0.2259	13M4W7D	-	0.2312
20	18M4G7D	-	0.2153	18M5W7D	-	0.2173
LTE Band 5	QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	1M10G7D	-	0.1291	1M10W7D	-	0.0993
3	2M73G7D	-	0.1330	2M73W7D	-	0.1012
5	4M50G7D	-	0.1250	4M51W7D	-	0.0973
10	9M05G7D	0.0151	0.1219	9M09W7D	-	0.1005
LTE Band 7	QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	4M52G7D	-	0.2213	4M51W7D	-	0.2070
10	9M09G7D	0.0090	0.2382	9M07W7D	-	0.2213
15	13M5G7D	-	0.2143	13M5W7D	-	0.2143
20	18M5G7D	-	0.1875	18M5W7D	-	0.2168
LTE Band 12	QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	1M10G7D	-	0.1050	1M10W7D	-	0.0726
3	2M73G7D	-	0.1019	2M72W7D	-	0.0714
5	4M51G7D	-	0.1002	4M50W7D	-	0.0684
10	9M09G7D	0.0141	0.0986	9M07W7D	-	0.0710

LTE Band 13	QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	4M50G7D	-	0.1038	4M50W7D	-	0.0863
10	9M09G7D	0.0148	0.0953	8M99W7D	-	0.0807
LTE Band 17	**QPSK**			**16QAM**		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	4M51G7D	-	0.0920	4M51W7D	-	0.0721
10	9M09G7D	0.0108	0.0979	9M05W7D	-	0.0713
LTE Band 41	**QPSK**			**16QAM**		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	4M50G7D	-	0.3532	4M52W7D	-	0.2489
10	9M11G7D	0.0103	0.3083	9M09W7D	-	0.2547
15	13M5G7D	-	0.3296	13M5W7D	-	0.2618
20	18M4G7D	-	0.3420	18M3W7D	-	0.2754

1.7 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH05-HY

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY

1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 2, 22(H), 24(E), 27
- ANSI / TIA / EIA-603-D-2010
- FCC KDB 971168 D01 Power Meas. License Digital Systems v02r02

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v02r02 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

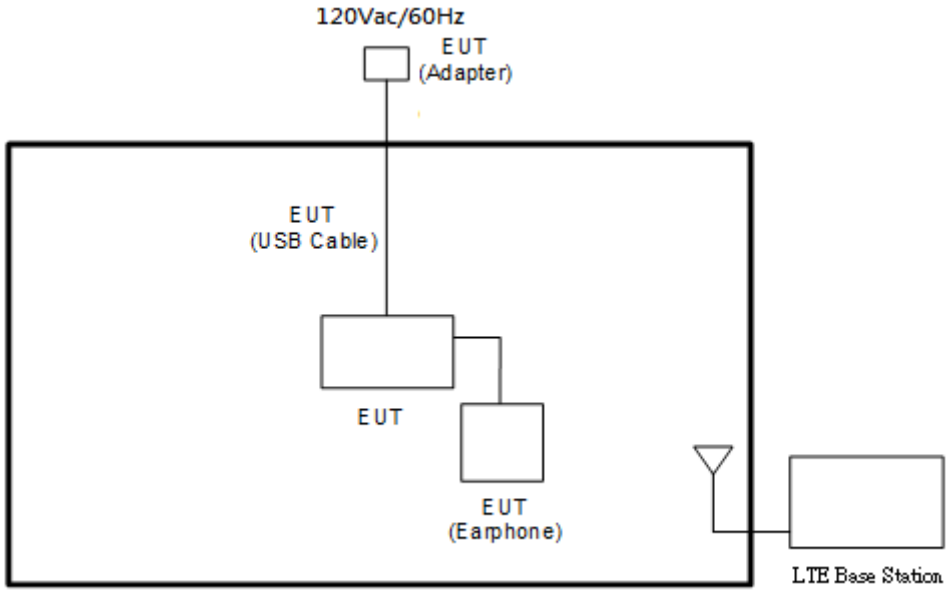
Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2						v	v	v	v		v	v	v	v
	4						v	v	v	v		v	v	v	v
	5				v	-	-	v	v	v		v	v	v	v
	7	-	-				v	v	v	v		v	v	v	v
	12				v	-	-	v	v	v		v	v	v	v
	13	-	-		v	-	-	v	v	v		v	v	v	v
	17	-	-		v	-	-	v	v	v		v	v	v	v
	25						v	v	v	v		v	v	v	v
	26					v	-	v	v			v	v	v	v
	41	-	-				v	v	v	v		v	v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
	5	v	v	v	v	-	-	v	v			v	v	v	v
	7	-	-	v	v	v	v	v	v			v	v	v	v
	12	v	v	v	v	-	-	v	v			v	v	v	v
	13	-	-	v	v	-	-	v	v			v	v	v	v
	17	-	-	v	v	-	-	v	v			v	v	v	v
	25	v	v	v	v	v	v	v	v			v	v	v	v
	26	v	v	v	v	v	-	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v	v		v
	4	v	v	v	v	v	v	v	v	v		v	v		v
	5	v	v	v	v	-	-	v	v	v		v	v		v
	7	-	-	v	v	v	v	v	v	v		v	v		v
	12	v	v	v	v	-	-	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v		v	v		v
	17	-	-	v	v	-	-	v	v	v		v	v		v
	25	v	v	v	v	v	v	v	v	v		v	v		v
	26	v	v	v	v	v	-	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v	v		v	v		v

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	-	-	v	v	v			v	v	v
	7	-	-	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v			v	v	v
	13	-	-	v	v	-	-	v	v	v			v	v	v
	17	-	-	v	v	-	-	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v	v			v	v	v
Frequency Stability	2				v			v				v		v	
	4				v			v				v		v	
	5				v	-	-	v				v		v	
	7	-	-		v			v				v		v	
	12	v			v	-	-	v				v		v	
	13	-	-		v	-	-	v				v		v	
	17	-	-		v	-	-	v				v		v	
	25				v			v				v		v	
	26				v		-	v	v			v	v	v	v
	41	-	-		v			v				v		v	
E.R.P./ E.I.R.P.	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	-	-	v	v	v			v	v	v
	7	-	-	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	v	v	v	v	v			v	v	v
	13	-	-	v	v	v	v	v	v	v			v	v	v
	17	-	-	v	v	-	-	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v			v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	2	v	v	v	v	v	v	v		v			v	v	v
	4	v	v	v	v	v	v	v		v			v	v	v
	5	v	v	v	v	-	-	v		v			v	v	v
	7	-	-	v	v	v	v	v		v			v	v	v
	12	v	v	v	v	-	-	v		v			v	v	v
	13	-	-	v	v	-	-	v		v			v	v	v
	17	-	-	v	v	-	-	v		v			v	v	v
	25	v	v	v	v	v	v	v		v			v	v	v
	26	v	v	v	v	v	-	v		v			v	v	v
	41	-	-	v	v	v	v	v		v			v	v	v
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.														

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 41 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5

3 Conducted Test Items

3.1 Measuring Instruments

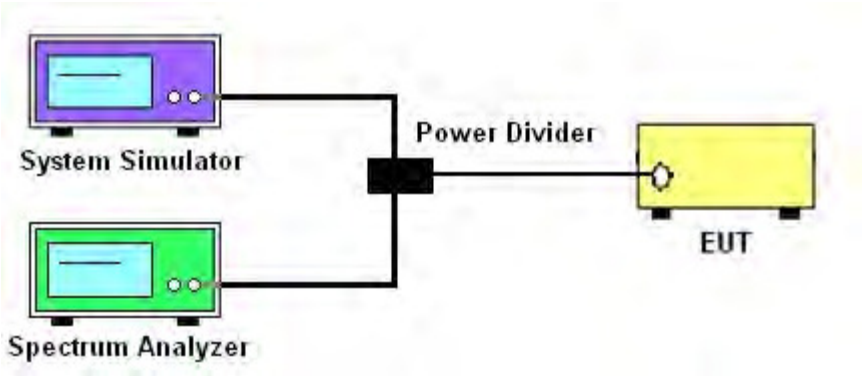
See list of measuring instruments of this test report.

3.2 Test Setup

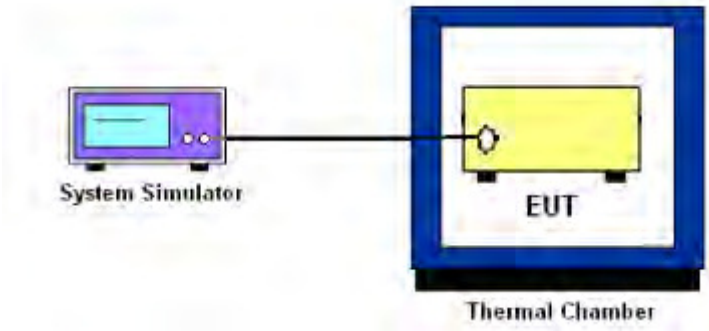
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power

3.4.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.4.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 5.7.1.
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 4.2.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a) for Band 5, 26

For operations in the 824 – 849 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a) for Band 2, 25

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c) for Band 13

For operations in the 776-788 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

27.53 (g) for Band 12,17

For operations in the 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h) for Band 4

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4) for FCC Band 7, 41:

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.7.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.
   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. For LTE Band 7, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7,41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

3.8.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 7, 41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows FCC KDB 971168 v02r02 Section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows FCC KDB 971168 v02r02 Section 9.0.
2. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

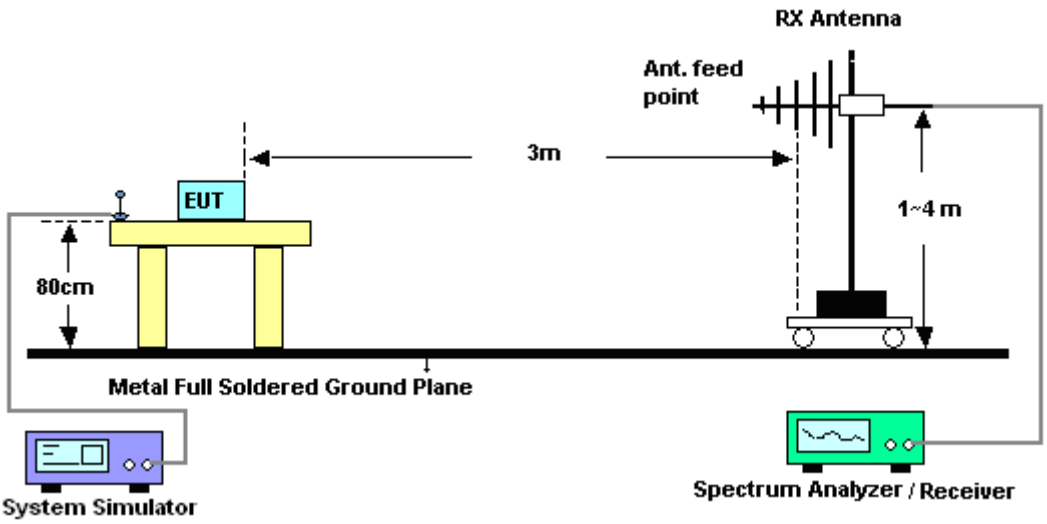
4 Radiated Test Items

4.1 Measuring Instruments

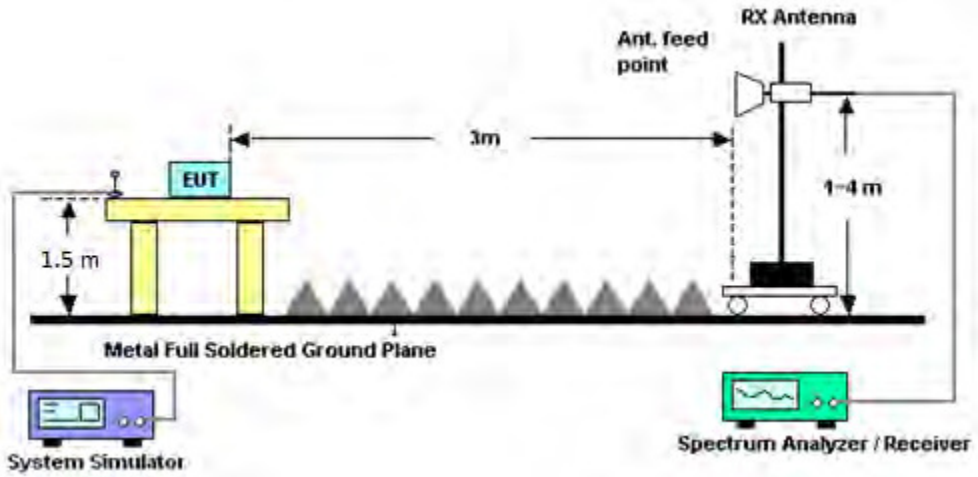
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

4.4 Effective Radiated Power and Effective Isotropic Radiated Power

4.4.1 Description of the ERP/EIRP Measurement

Effective radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-D-2010, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r02. Mobile and portable (hand-held) stations operating are limited to average ERP of 7 watts with LTE band 5 / 26 and 3 watts with LTE band 12 / 13 / 17.

Equivalent isotropic radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-D-2010, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r02. Mobile and portable (hand-held) stations operating are limited to average EIRP of 2 watts with LTE band 2 / 25 / 7 and 1 watt with LTE band 4.

4.4.2 Test Procedures

1. The EUT was placed on a non-conductive rotating platform (0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz) in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with RMS detector per section 5. of KDB 971168 D01.
2. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power. The maximum emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
3. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP was calculated with the correction factor, EIRP = LVL + Correction factor and ERP = EIRP - 2.15. Take the record of the output power at substitution antenna.

	LTE Average					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz
RBW	30kHz	100kHz	100kHz	300kHz	300kHz	300kHz
VBW	100kHz	300kHz	300kHz	1MHz	1MHz	1MHz
Detector	RMS	RMS	RMS	RMS	RMS	RMS
Trace	Average	Average	Average	Average	Average	Average
Average Type	Power	Power	Power	Power	Power	Power
Sweep Count	100	100	100	100	100	100

4.5 Radiated Spurious Emission

4.5.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-D-2010. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

For LTE Band 12,13,17

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.5.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 5.8 and ANSI / TIA-603-D-2010 Section 2.2.12.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

For Band 7, 41:

The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

12. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
13. ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LTE Base Station	Anritsu	MT8820C	6201432821	GSM/GPRS /WCDMA/LTE	Oct. 16, 2015	May 21, 2016 ~ Jun. 10, 2016	Oct. 15, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Sep. 11, 2015	May 21, 2016 ~ Jun. 10, 2016	Sep. 10, 2016	Conducted (TH05-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 04 ,2015	May 21, 2016 ~ Jun. 10, 2016	Nov. 03, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-30℃~70℃	Sep. 08, 2015	May 21, 2016 ~ Jun. 10, 2016	Sep. 07, 2016	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Jan. 18, 2016	May 21, 2016 ~ Jun. 10, 2016	Jan. 17, 2017	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Nov. 17, 2015	May 20, 2016 ~ Jun. 01, 2016	Nov. 16, 2016	Radiation (03CH12-HY
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 08, 2015	May 20, 2016 ~ Jun. 01, 2016	Oct. 07, 2016	Radiation (03CH12-HY
Amplifier	Sonoma-Instrument	310 N	187282	10MHz~1GHz	Dec. 31, 2015	May 20, 2016 ~ Jun. 01, 2016	Dec. 30, 2016	Radiation (03CH12-HY
Bilog Antenna	TESEQ	CBL 6111D	40103	30MHz to 1GHz	Jan. 13, 2016	May 20, 2016 ~ Jun. 01, 2016	Jan. 12, 2017	Radiation (03CH12-HY
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 10, 2016	May 20, 2016 ~ Jun. 01, 2016	Mar. 09, 2017	Radiation (03CH12-HY
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Apr. 25, 2016	May 20, 2016 ~ Jun. 01, 2016	Apr. 24, 2017	Radiation (03CH12-HY
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	May 20, 2016 ~ Jun. 01, 2016	Feb. 14, 2017	Radiation (03CH12-HY
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Jan. 30, 2016	May 20, 2016 ~ Jun. 01, 2016	Jan. 29, 2017	Radiation (03CH12-HY
Spectrum Analyzer	Keysight	N9010A	MY55370526	N/A	Mar. 14, 2016	May 20, 2016 ~ Jun. 01, 2016	Mar. 13, 2017	Radiation (03CH12-HY
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Oct. 12, 2015	May 20, 2016 ~ Jun. 01, 2016	Oct. 11, 2016	Radiation (03CH12-HY
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	May 19, 2016	May 20, 2016 ~ Jun. 01, 2016	May 18, 2017	Radiation (03CH12-HY
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 02, 2015	May 20, 2016 ~ Jun. 01, 2016	Nov. 01, 2016	Radiation (03CH12-HY

6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.54**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.40**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.12	22.83	22.76
20	1	49		23.27	23.00	23.03
20	1	99		22.73	22.46	22.73
20	50	0		22.19	21.82	21.76
20	50	24		22.11	21.75	21.69
20	50	50		21.95	21.64	21.76
20	100	0		22.12	21.70	21.76
20	1	0	16-QAM	22.50	22.14	21.96
20	1	49		22.40	22.23	22.18
20	1	99		21.96	21.87	22.05
20	50	0		21.19	20.81	20.82
20	50	24		21.00	20.83	20.73
20	50	50		20.84	20.69	20.79
20	100	0		21.00	20.77	20.71
15	1	0	QPSK	23.06	22.72	22.73
15	1	37		22.98	22.57	23.02
15	1	74		22.70	22.40	22.75
15	36	0		22.10	21.74	21.80
15	36	20		21.95	21.66	21.75
15	36	39		21.96	21.57	21.82
15	75	0		21.99	21.64	21.80
15	1	0	16-QAM	22.49	22.05	22.21
15	1	37		22.29	21.85	22.09
15	1	74		22.14	21.81	22.08
15	36	0		21.06	20.72	20.77
15	36	20		20.93	20.65	20.78
15	36	39		20.94	20.66	20.81
15	75	0		20.88	20.62	20.72

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.11	22.75	22.59
10	1	25		22.89	22.61	22.68
10	1	49		22.85	22.54	22.74
10	25	0		21.99	21.71	21.81
10	25	12		21.97	21.64	21.81
10	25	25		21.92	21.58	21.85
10	50	0		22.12	21.65	21.86
10	1	0	16-QAM	22.43	21.96	22.04
10	1	25		22.21	21.99	22.17
10	1	49		22.19	21.73	22.11
10	25	0		21.06	20.77	20.85
10	25	12		21.06	20.62	20.96
10	25	25		20.92	20.75	20.85
10	50	0		21.05	20.65	20.74
5	1	0	QPSK	22.81	22.71	22.83
5	1	12		22.80	22.69	22.82
5	1	24		22.80	22.54	22.55
5	12	0		22.04	21.71	21.79
5	12	7		21.96	21.64	21.79
5	12	13		21.97	21.64	21.71
5	25	0		21.98	21.67	21.78
5	1	0	16-QAM	22.31	21.93	22.02
5	1	12		22.30	21.95	22.06
5	1	24		22.15	21.92	22.00
5	12	0		20.91	20.61	20.76
5	12	7		20.88	20.64	20.72
5	12	13		20.88	20.65	20.60
5	25	0		21.05	20.77	20.70

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.90	22.52	22.89
3	1	8		22.77	22.36	22.59
3	1	14		22.80	22.53	22.82
3	8	0		21.99	21.66	21.77
3	8	4		21.98	21.65	21.77
3	8	7		22.04	21.63	21.78
3	15	0		22.07	21.65	21.68
3	1	0	16-QAM	22.35	21.98	21.97
3	1	8		22.22	21.92	21.89
3	1	14		22.34	21.90	22.00
3	8	0		21.11	20.67	20.90
3	8	4		20.89	20.67	20.75
3	8	7		21.08	20.75	20.80
3	15	0		20.93	20.63	20.80
1.4	1	0	QPSK	22.92	22.38	22.76
1.4	1	3		22.84	22.51	22.81
1.4	1	5		22.76	22.52	22.68
1.4	3	0		22.82	22.63	22.66
1.4	3	1		22.89	22.75	22.60
1.4	3	3		22.91	22.71	22.77
1.4	6	0		21.83	21.61	21.65
1.4	1	0	16-QAM	22.25	21.87	21.99
1.4	1	3		22.24	21.92	21.90
1.4	1	5		22.07	21.76	21.93
1.4	3	0		21.82	21.68	21.94
1.4	3	1		22.03	21.71	21.93
1.4	3	3		22.15	21.56	21.85
1.4	6	0		20.81	20.63	20.71

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.59	23.26	23.26
20	1	49		23.61	23.40	23.60
20	1	99		23.24	22.74	23.25
20	50	0		22.50	22.10	22.27
20	50	24		22.33	22.05	22.31
20	50	50		22.19	22.00	22.32
20	100	0		22.33	22.14	22.32
20	1	0	16-QAM	22.87	22.52	22.56
20	1	49		22.58	22.30	22.81
20	1	99		22.40	22.21	22.52
20	50	0		21.39	21.12	21.28
20	50	24		21.42	20.97	21.18
20	50	50		21.29	20.92	21.32
20	100	0		21.26	21.04	21.27
15	1	0	QPSK	23.51	23.13	23.20
15	1	37		23.30	23.00	23.11
15	1	74		23.18	22.91	23.14
15	36	0		22.46	22.15	22.38
15	36	20		22.33	22.01	22.30
15	36	39		22.20	22.03	22.23
15	75	0		22.29	22.11	22.40
15	1	0	16-QAM	22.85	22.57	22.60
15	1	37		22.56	22.35	22.51
15	1	74		22.56	22.28	22.57
15	36	0		21.43	20.87	21.44
15	36	20		21.24	21.01	21.38
15	36	39		21.15	21.02	21.14
15	75	0		21.21	21.00	21.40

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.77	23.06	23.54
10	1	25		23.36	22.85	23.41
10	1	49		23.14	22.90	23.41
10	25	0		22.47	22.04	22.38
10	25	12		22.37	22.02	22.31
10	25	25		22.23	22.04	22.29
10	50	0		22.33	22.06	22.34
10	1	0	16-QAM	22.79	22.41	22.72
10	1	25		22.63	22.30	22.25
10	1	49		22.60	22.19	22.64
10	25	0		21.48	21.07	21.42
10	25	12		21.29	21.12	21.39
10	25	25		21.17	20.98	21.35
10	50	0		21.17	20.98	21.26
5	1	0	QPSK	23.58	23.12	23.05
5	1	12		23.34	22.97	23.52
5	1	24		23.17	22.83	23.29
5	12	0		22.44	22.01	22.35
5	12	7		22.38	21.99	22.32
5	12	13		22.29	22.09	22.31
5	25	0		22.42	21.96	22.27
5	1	0	16-QAM	22.64	22.31	22.59
5	1	12		22.61	22.27	22.58
5	1	24		22.57	22.27	22.62
5	12	0		21.44	21.02	21.23
5	12	7		21.50	21.00	21.29
5	12	13		21.36	21.00	21.21
5	25	0		21.61	20.97	21.27

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.39	23.16	23.20
3	1	8		23.32	23.16	23.21
3	1	14		23.28	23.15	23.20
3	8	0		22.44	22.11	22.42
3	8	4		22.44	22.08	22.39
3	8	7		22.50	22.07	22.43
3	15	0		22.42	22.09	22.29
3	1	0	16-QAM	22.67	22.37	22.75
3	1	8		22.72	22.29	22.58
3	1	14		22.64	22.39	22.69
3	8	0		21.45	20.95	21.45
3	8	4		21.47	20.94	21.42
3	8	7		21.52	20.93	21.23
3	15	0		23.39	23.16	23.20
1.4	1	0	QPSK	23.68	23.12	23.30
1.4	1	3		23.53	23.19	23.14
1.4	1	5		23.39	23.19	23.15
1.4	3	0		23.54	23.17	23.32
1.4	3	1		23.67	23.23	23.28
1.4	3	3		23.59	23.19	23.44
1.4	6	0		22.55	22.14	22.34
1.4	1	0	16-QAM	22.79	22.45	22.67
1.4	1	3		22.86	22.50	22.74
1.4	1	5		22.85	22.43	22.75
1.4	3	0		22.71	22.07	22.42
1.4	3	1		22.69	22.17	22.74
1.4	3	3		22.70	22.27	22.59
1.4	6	0		21.30	21.02	21.43

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.12	22.14	22.05
15	1	37		22.02	22.07	22.02
15	1	74		22.01	22.03	22.03
15	36	0		21.27	21.28	21.19
15	36	18		21.16	21.19	21.11
15	36	37		21.06	21.07	21.09
15	75	0		21.24	21.21	21.18
15	1	0	16-QAM	21.82	21.43	21.43
15	1	37		21.28	21.42	21.34
15	1	74		21.40	21.33	21.25
15	36	0		20.41	20.12	20.19
15	36	18		20.29	20.05	20.14
15	36	37		20.19	20.18	20.21
15	75	0		20.27	20.18	20.21
10	1	0	QPSK	22.46	22.23	22.26
10	1	24		22.45	22.06	22.21
10	1	49		22.09	22.02	22.01
10	25	0		21.35	21.17	21.15
10	25	12		21.23	21.15	21.06
10	25	24		21.08	21.15	21.01
10	50	0		21.32	21.23	21.16
10	1	0	16-QAM	21.59	21.62	21.48
10	1	24		21.54	21.06	21.15
10	1	49		21.03	21.45	21.31
10	25	0		20.38	20.31	20.17
10	25	12		20.47	20.28	20.16
10	25	24		20.29	20.18	20.11
10	50	0		20.35	20.32	20.10

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.51	22.29	22.17
5	1	12		22.47	22.28	22.16
5	1	24		22.03	22.12	22.01
5	12	0		21.34	21.19	21.24
5	12	6		21.28	21.19	21.16
5	12	11		21.32	21.19	21.10
5	25	0		21.34	21.14	21.14
5	1	0	16-QAM	21.65	21.53	21.42
5	1	12		21.13	21.01	21.30
5	1	24		21.01	21.00	21.33
5	12	0		20.45	20.46	20.11
5	12	6		20.38	20.49	20.10
5	12	11		20.35	20.22	20.15
5	25	0		20.35	20.14	20.29
3	1	0	QPSK	**22.54**	22.31	22.19
3	1	7		22.50	22.29	22.16
3	1	14		22.42	22.17	22.01
3	8	0		21.48	21.37	21.16
3	8	4		21.56	21.19	21.16
3	8	7		21.44	21.11	21.12
3	15	0		21.41	21.20	21.10
3	1	0	16-QAM	21.68	21.56	21.49
3	1	7		21.64	21.36	21.39
3	1	14		21.04	21.25	21.42
3	8	0		20.25	20.28	20.39
3	8	4		20.45	20.39	20.31
3	8	7		20.30	20.30	20.17
3	15	0		20.39	20.38	20.14

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.52	22.16	22.30
1.4	1	2		22.51	22.11	22.18
1.4	1	5		22.37	22.02	22.03
1.4	3	0		22.35	22.08	22.29
1.4	3	1		22.32	22.09	22.25
1.4	3	2		22.22	22.15	22.17
1.4	6	0		21.41	21.24	21.13
1.4	1	0	16-QAM	21.50	21.36	21.46
1.4	1	2		21.30	21.15	21.45
1.4	1	5		21.30	21.17	21.38
1.4	3	0		21.38	21.00	21.35
1.4	3	1		21.48	21.35	21.22
1.4	3	2		21.47	21.31	21.24
1.4	6	0		20.42	20.19	20.16

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.31	23.31	23.39
20	1	49		23.59	23.36	23.40
20	1	99		23.18	22.95	22.76
20	50	0		22.34	22.36	22.20
20	50	24		22.23	22.24	22.12
20	50	50		22.21	22.03	22.01
20	100	0		22.25	22.25	22.14
20	1	0	16-QAM	22.53	22.61	22.73
20	1	49		22.72	22.61	22.36
20	1	99		22.12	22.28	22.21
20	50	0		21.28	21.43	21.18
20	50	24		21.29	21.31	21.04
20	50	50		21.19	21.11	20.91
20	100	0		21.22	21.22	21.05
15	1	0	QPSK	23.23	23.39	23.34
15	1	37		23.30	23.14	23.08
15	1	74		23.13	23.01	23.07
15	36	0		22.29	22.43	22.22
15	36	20		22.28	22.26	22.08
15	36	39		22.28	22.15	22.11
15	75	0		22.28	22.28	22.08
15	1	0	16-QAM	22.55	22.71	22.65
15	1	37		22.53	22.48	22.39
15	1	74		22.52	22.34	22.40
15	36	0		21.24	21.33	21.17
15	36	20		21.25	21.24	21.13
15	36	39		21.24	21.10	20.97
15	75	0		21.21	21.36	21.14

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.29	23.56	23.07
10	1	25		23.26	23.29	23.08
10	1	49		23.23	23.23	23.04
10	25	0		22.13	22.45	22.18
10	25	12		22.29	22.34	22.06
10	25	25		22.34	22.27	22.04
10	50	0		22.26	22.37	22.19
10	1	0	16-QAM	22.33	23.00	22.51
10	1	25		22.52	22.63	22.45
10	1	49		22.53	22.50	22.49
10	25	0		21.18	21.41	21.22
10	25	12		21.25	21.34	21.10
10	25	25		21.29	21.34	21.15
10	50	0		21.21	21.16	21.12
5	1	0	QPSK	23.23	23.38	23.23
5	1	12		22.98	23.17	23.07
5	1	24		23.23	23.12	23.03
5	12	0		22.20	22.35	22.10
5	12	7		22.10	22.33	22.19
5	12	13		22.14	22.22	22.12
5	25	0		22.16	22.29	22.10
5	1	0	16-QAM	22.54	22.96	22.47
5	1	12		22.47	22.54	22.41
5	1	24		22.49	22.44	22.38
5	12	0		21.12	21.26	21.07
5	12	7		21.17	21.23	21.14
5	12	13		21.10	21.19	21.15
5	25	0		21.15	21.40	21.18

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.14	23.23	23.12
3	1	8		22.96	23.05	22.96
3	1	14		22.98	23.12	22.96
3	8	0		22.14	22.29	22.09
3	8	4		22.21	22.25	22.11
3	8	7		22.25	22.16	22.12
3	15	0		22.20	22.25	22.12
3	1	0	16-QAM	22.39	22.62	22.43
3	1	8		22.36	22.30	22.39
3	1	14		22.51	22.56	22.31
3	8	0		21.16	21.40	21.33
3	8	4		21.25	21.38	21.16
3	8	7		21.25	21.31	21.28
3	15	0		21.07	21.33	20.84
1.4	1	0	QPSK	23.16	23.32	22.97
1.4	1	3		23.13	23.31	23.04
1.4	1	5		23.12	23.21	23.00
1.4	3	0		23.18	23.30	23.17
1.4	3	1		23.29	23.30	23.29
1.4	3	3		23.22	23.25	23.17
1.4	6	0		22.21	22.33	22.17
1.4	1	0	16-QAM	22.64	22.50	22.38
1.4	1	3		22.56	22.57	22.14
1.4	1	5		22.42	22.45	22.48
1.4	3	0		22.26	22.54	22.20
1.4	3	1		22.49	22.54	22.20
1.4	3	3		22.48	22.42	22.13
1.4	6	0		21.06	21.22	21.03

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.38	22.45	22.33
10	1	25		22.42	22.23	22.22
10	1	49		22.19	22.16	22.33
10	25	0		21.62	21.41	21.35
10	25	12		21.49	21.38	21.27
10	25	25		21.42	21.27	21.37
10	50	0		21.49	21.38	21.29
10	1	0	16-QAM	21.89	21.74	21.66
10	1	25		21.83	21.67	21.62
10	1	49		21.70	21.51	21.57
10	25	0		20.58	20.42	20.39
10	25	12		20.55	20.44	20.34
10	25	25		20.48	20.44	20.48
10	50	0		20.39	20.33	20.37
5	1	0	QPSK	22.59	22.32	22.19
5	1	12		22.48	22.36	22.19
5	1	24		22.32	22.17	22.26
5	12	0		21.53	21.35	21.33
5	12	7		21.62	21.27	21.38
5	12	13		21.44	21.25	21.35
5	25	0		21.54	21.33	21.31
5	1	0	16-QAM	21.91	21.84	21.59
5	1	12		21.83	21.54	21.54
5	1	24		21.69	21.53	21.58
5	12	0		20.53	20.36	20.23
5	12	7		20.54	20.24	20.39
5	12	13		20.35	20.14	20.36
5	25	0		20.55	20.29	20.41

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.52	22.22	22.32
3	1	8		22.51	22.18	22.15
3	1	14		22.43	22.29	22.15
3	8	0		21.63	21.38	21.43
3	8	4		21.64	21.35	21.43
3	8	7		21.60	21.39	21.46
3	15	0		21.67	21.29	21.37
3	1	0	16-QAM	22.00	21.74	21.62
3	1	8		21.82	21.53	21.65
3	1	14		21.97	21.67	21.74
3	8	0		20.56	20.49	20.38
3	8	4		20.69	20.21	20.37
3	8	7		20.65	20.42	20.42
3	15	0		20.41	20.39	20.47
1.4	1	0	QPSK	**22.63**	22.11	22.37
1.4	1	3		22.48	22.15	22.37
1.4	1	5		22.57	22.05	22.19
1.4	3	0		22.50	22.41	22.34
1.4	3	1		22.49	22.45	22.54
1.4	3	3		22.62	22.37	22.25
1.4	6	0		21.53	21.31	21.39
1.4	1	0	16-QAM	21.91	21.61	21.52
1.4	1	3		21.89	21.60	21.33
1.4	1	5		21.75	21.67	21.65
1.4	3	0		21.67	21.38	21.57
1.4	3	1		21.75	21.39	21.54
1.4	3	3		21.79	21.49	21.36
1.4	6	0		20.55	20.27	20.34

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.54	22.55	22.59
20	1	49		22.55	**22.62**	22.60
20	1	99		22.20	22.44	22.30
20	50	0		21.33	21.46	21.39
20	50	24		21.25	21.45	21.28
20	50	50		21.10	21.40	21.21
20	100	0		21.28	21.50	21.42
20	1	0	16-QAM	21.70	21.64	21.77
20	1	49		21.53	21.64	21.55
20	1	99		21.37	21.62	21.53
20	50	0		20.38	20.49	20.61
20	50	24		20.24	20.58	20.43
20	50	50		20.24	20.52	20.26
20	100	0		20.40	20.53	20.47
15	1	0	QPSK	22.36	22.38	22.41
15	1	37		22.21	22.36	22.28
15	1	74		22.06	22.26	22.18
15	36	0		21.25	21.38	21.16
15	36	20		21.08	21.35	21.15
15	36	39		21.28	21.44	21.20
15	75	0		21.17	21.38	21.33
15	1	0	16-QAM	21.59	21.58	21.69
15	1	37		21.41	21.55	21.45
15	1	74		21.38	21.57	21.46
15	36	0		20.29	20.44	20.44
15	36	20		20.20	20.47	20.31
15	36	39		20.33	20.45	20.05
15	75	0		20.26	20.32	20.28

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.29	22.21	22.35
10	1	25		22.16	22.34	22.04
10	1	49		22.27	22.29	22.03
10	25	0		21.12	21.37	21.09
10	25	12		21.08	21.28	21.11
10	25	25		21.16	21.24	21.06
10	50	0		21.07	21.27	21.09
10	1	0	16-QAM	21.41	21.56	21.45
10	1	25		21.52	21.55	21.35
10	1	49		21.43	21.52	21.36
10	25	0		20.18	20.40	20.18
10	25	12		20.15	20.32	20.06
10	25	25		20.17	20.36	20.01
10	50	0		20.20	20.30	20.05
5	1	0	QPSK	22.31	22.25	22.13
5	1	12		22.30	22.24	22.05
5	1	24		22.01	22.18	22.18
5	12	0		21.13	21.33	21.03
5	12	7		21.10	21.28	21.12
5	12	13		21.08	21.29	21.07
5	25	0		21.13	21.27	21.11
5	1	0	16-QAM	21.34	21.51	21.32
5	1	12		21.31	21.50	21.36
5	1	24		21.18	21.49	21.29
5	12	0		20.04	20.29	20.07
5	12	7		20.09	20.33	20.08
5	12	13		20.10	20.23	20.13
5	25	0		20.13	20.41	20.16

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.80	22.76	22.82
10	1	25		22.79	22.69	22.60
10	1	49		22.57	22.73	22.81
10	25	0		21.79	21.78	21.77
10	25	12		21.85	21.73	21.79
10	25	25		21.90	21.69	21.77
10	50	0		21.81	21.65	21.74
10	1	0	16-QAM	22.17	21.96	22.12
10	1	25		22.16	22.05	22.04
10	1	49		22.02	21.96	22.06
10	25	0		20.84	20.84	20.76
10	25	12		20.81	20.75	20.94
10	25	25		20.87	20.84	20.82
10	50	0		20.68	20.64	20.80
5	1	0	QPSK	22.93	22.83	22.45
5	1	12		22.80	22.74	22.60
5	1	24		22.76	22.64	22.54
5	12	0		21.84	21.79	21.55
5	12	7		21.85	21.77	21.75
5	12	13		21.83	21.72	21.69
5	25	0		21.80	21.70	21.63
5	1	0	16-QAM	22.25	22.04	21.95
5	1	12		22.06	21.97	21.96
5	1	24		22.09	21.94	21.89
5	12	0		20.82	20.74	20.59
5	12	7		20.75	20.83	20.63
5	12	13		20.76	20.61	20.66
5	25	0		20.86	20.77	20.69

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.94	22.78	22.57
3	1	8		22.88	22.76	22.48
3	1	14		22.93	22.74	22.56
3	8	0		21.94	21.92	21.73
3	8	4		21.93	21.88	21.79
3	8	7		21.90	21.85	21.84
3	15	0		21.93	21.80	21.63
3	1	0	16-QAM	22.27	22.05	22.02
3	1	8		22.12	21.98	21.94
3	1	14		22.23	22.02	21.94
3	8	0		21.07	21.01	20.85
3	8	4		20.95	20.80	20.90
3	8	7		20.85	20.87	20.87
3	15	0		21.00	20.92	20.63
1.4	1	0	QPSK	22.91	22.70	22.36
1.4	1	3		22.73	22.86	22.68
1.4	1	5		22.65	22.78	22.50
1.4	3	0		22.77	22.71	22.65
1.4	3	1		22.70	22.69	22.66
1.4	3	3		22.87	22.80	22.63
1.4	6	0		21.98	21.93	21.75
1.4	1	0	16-QAM	22.29	22.18	22.02
1.4	1	3		22.25	22.13	22.01
1.4	1	5		22.15	22.06	21.86
1.4	3	0		22.15	21.70	21.76
1.4	3	1		22.14	21.92	21.91
1.4	3	3		22.06	21.89	21.84
1.4	6	0		20.91	20.77	20.71

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	-	22.96	-
10	1	25			22.95	
10	1	49			22.91	
10	25	0			21.86	
10	25	12			21.88	
10	25	25			21.88	
10	50	0			21.89	
10	1	0	16-QAM		22.46	
10	1	25			22.26	
10	1	49			22.00	
10	25	0			20.61	
10	25	12			20.86	
10	25	25			20.87	
10	50	0			20.79	
5	1	0	QPSK	22.68	22.66	**22.98**
5	1	12		22.90	22.96	22.86
5	1	24		22.67	22.76	22.80
5	12	0		21.89	22.03	21.94
5	12	7		21.83	21.95	22.01
5	12	13		21.92	21.92	21.94
5	25	0		21.88	21.98	21.95
5	1	0	16-QAM	22.37	22.12	22.22
5	1	12		21.70	22.17	22.19
5	1	24		22.16	22.27	22.21
5	12	0		20.81	20.96	20.84
5	12	7		20.81	20.88	20.88
5	12	13		20.78	20.79	20.82
5	25	0		20.71	20.88	21.03

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.89	22.81	22.94
10	1	25		22.89	22.79	22.76
10	1	49		22.89	22.84	22.66
10	25	0		21.81	21.84	21.79
10	25	12		21.81	21.84	21.82
10	25	25		21.88	21.82	21.80
10	50	0		21.94	21.85	21.77
10	1	0	16-QAM	22.18	22.22	22.16
10	1	25		22.18	21.98	21.89
10	1	49		21.78	21.83	21.86
10	25	0		20.75	20.80	20.77
10	25	12		20.89	20.91	20.68
10	25	25		20.94	20.70	20.67
10	50	0		20.90	20.82	20.72
5	1	0	QPSK	22.66	**22.95**	22.72
5	1	12		22.79	22.76	22.74
5	1	24		22.58	22.73	22.78
5	12	0		21.74	21.75	21.82
5	12	7		21.78	21.78	21.80
5	12	13		21.84	21.78	21.73
5	25	0		21.75	21.83	21.88
5	1	0	16-QAM	22.15	22.11	22.02
5	1	12		22.03	21.98	22.09
5	1	24		22.00	22.04	22.01
5	12	0		20.70	20.74	20.70
5	12	7		20.80	20.75	20.79
5	12	13		20.71	20.75	20.72
5	25	0		20.62	20.92	20.68

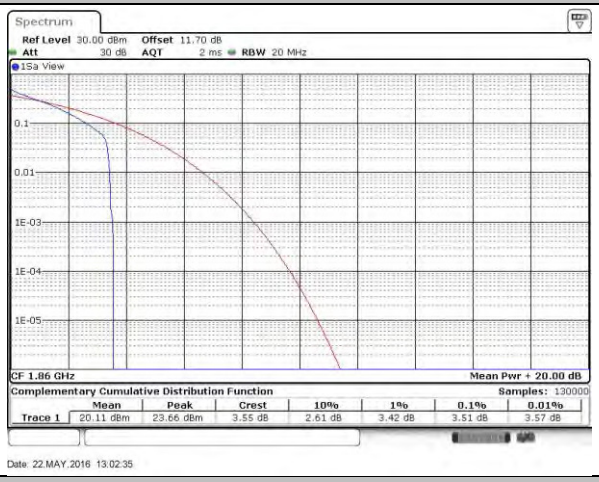
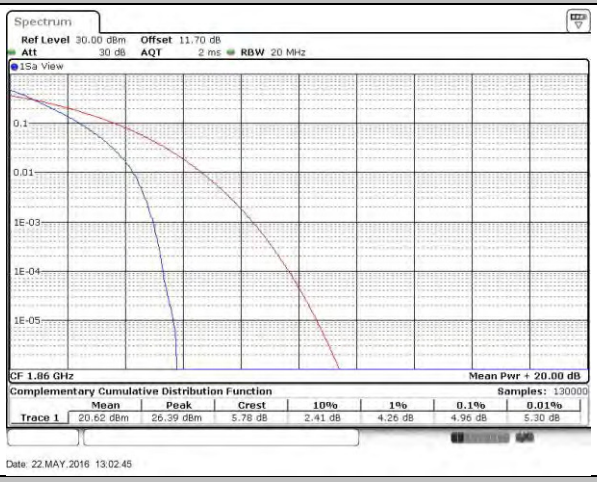
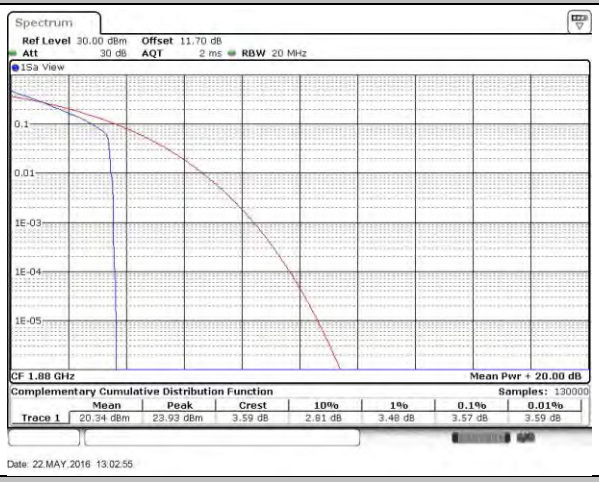
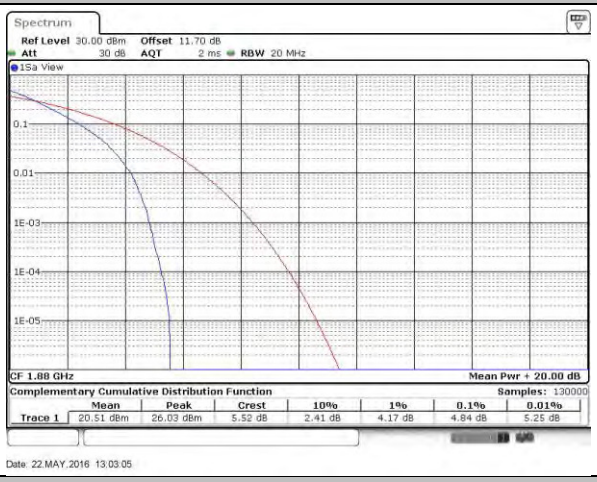
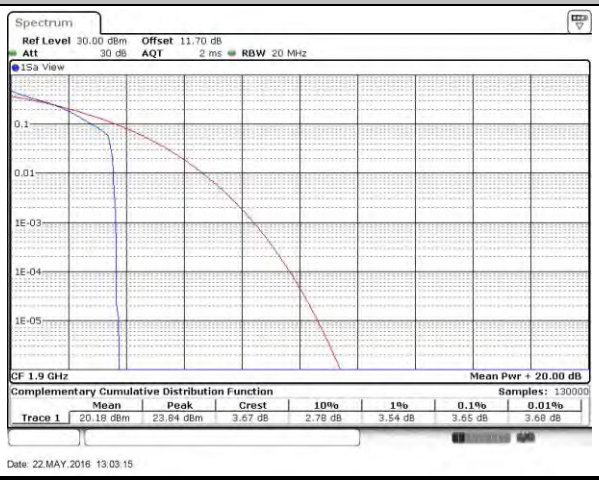
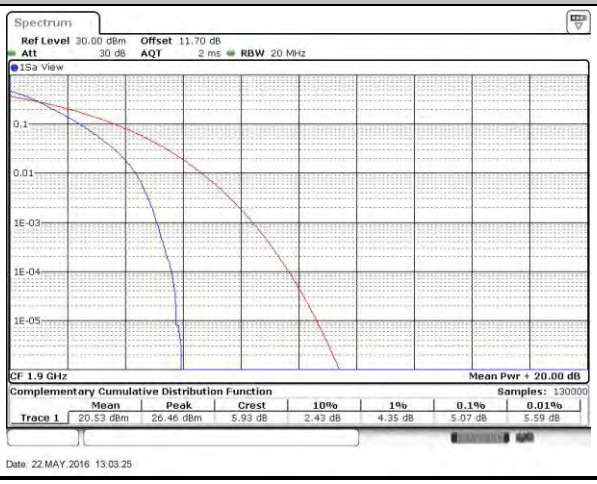
LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.34	22.31	22.95
20	1	49		22.32	22.51	22.77
20	1	99		22.27	22.36	22.65
20	50	0		21.25	21.64	22.09
20	50	24		21.26	21.64	21.84
20	50	50		21.09	21.53	21.78
20	100	0		21.22	21.64	21.67
20	1	0	16-QAM	21.50	21.64	21.87
20	1	49		21.38	21.48	21.79
20	1	99		21.02	21.19	21.77
20	50	0		20.24	20.33	20.65
20	50	24		20.26	20.30	20.54
20	50	50		20.18	20.23	20.49
20	100	0		20.22	20.25	20.66
15	1	0	QPSK	22.29	22.16	**22.96**
15	1	37		22.16	22.17	22.48
15	1	74		22.22	22.16	22.58
15	36	0		21.25	21.24	21.65
15	36	20		21.16	21.20	21.56
15	36	39		21.18	21.23	21.44
15	75	0		21.24	21.27	21.55
15	1	0	16-QAM	21.30	21.17	21.78
15	1	37		21.09	21.11	21.45
15	1	74		21.16	21.05	21.77
15	36	0		20.26	20.29	20.43
15	36	20		20.19	20.32	20.28
15	36	39		20.23	20.12	20.27
15	75	0		20.14	20.26	20.50

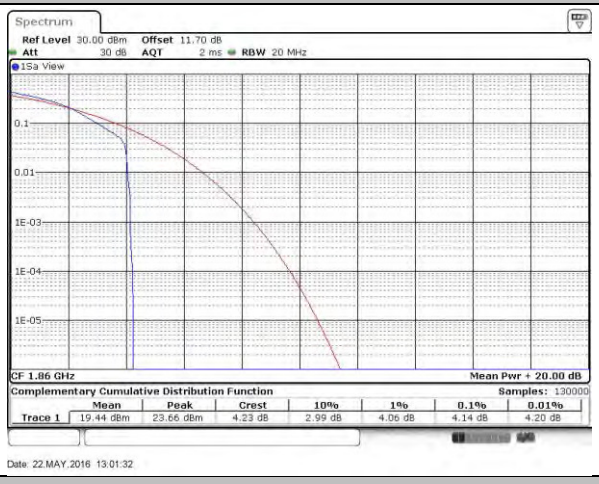
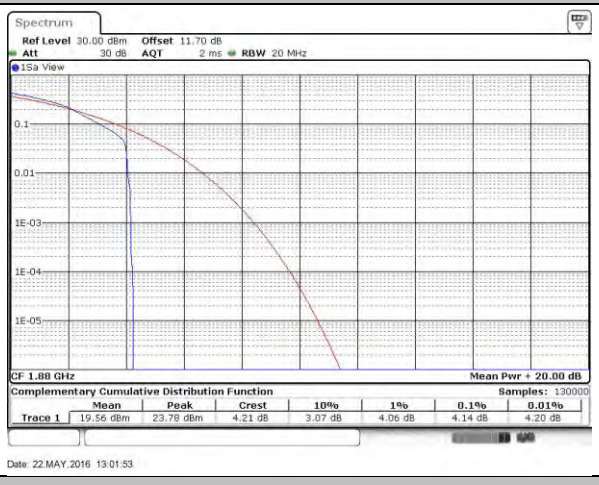
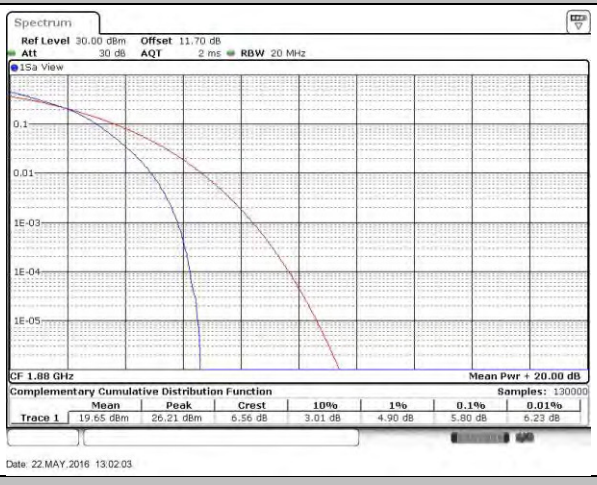
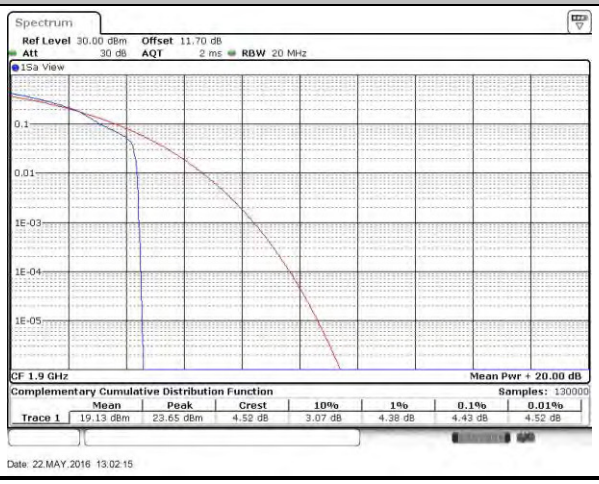
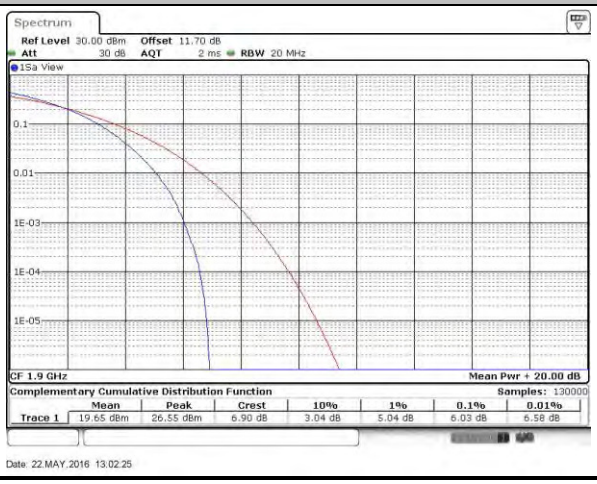
LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.41	22.22	22.86
10	1	25		22.33	22.30	22.81
10	1	49		22.38	22.43	22.83
10	25	0		21.19	21.25	21.94
10	25	12		21.16	21.29	21.87
10	25	25		21.17	21.30	21.81
10	50	0		21.23	21.30	21.59
10	1	0	16-QAM	21.24	21.15	21.67
10	1	25		21.50	21.33	21.35
10	1	49		21.10	21.10	21.50
10	25	0		20.37	20.24	20.92
10	25	12		20.35	20.27	20.84
10	25	25		20.36	20.20	20.72
10	50	0		20.01	20.08	20.71
5	1	0	QPSK	22.36	22.29	22.71
5	1	12		22.57	22.59	22.70
5	1	24		22.04	22.17	22.69
5	12	0		21.34	21.27	21.94
5	12	7		21.24	21.27	21.69
5	12	13		21.14	21.29	21.61
5	25	0		21.22	21.23	21.55
5	1	0	16-QAM	21.44	21.28	21.65
5	1	12		21.28	21.05	21.48
5	1	24		21.22	21.35	21.48
5	12	0		20.38	20.28	20.62
5	12	7		20.27	20.34	20.62
5	12	13		20.25	20.35	20.64
5	25	0		20.51	20.52	20.82

LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.96	4.14	5.91	PASS
Middle CH	3.57	4.84	4.14	5.8	
Highest CH	3.65	5.07	4.43	6.03	

LTE Band 2 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

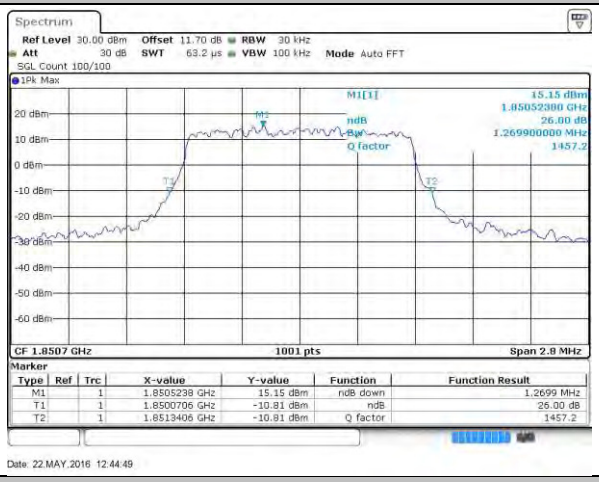
LTE Band 2 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

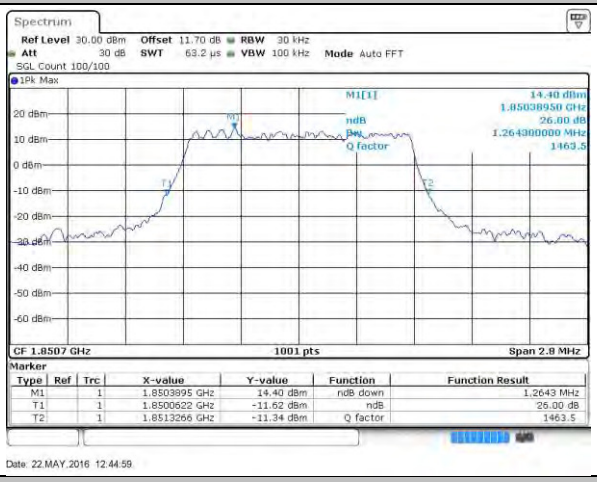
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.27	1.26	3	3.02	5.01	4.8	9.87	9.81	14.24	14.36	20.18	20.18
Middle CH	1.3	1.31	3.03	2.98	4.93	4.8	9.77	9.57	14.15	14.18	20.22	20.26
Highest CH	1.26	1.26	3.03	3.03	4.95	4.92	9.75	9.65	14.33	14.3	20.14	20.18

LTE Band 2

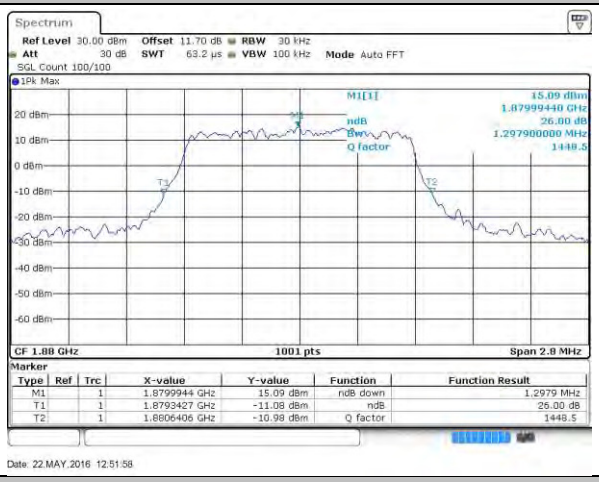
Lowest Channel / 1.4MHz / QPSK



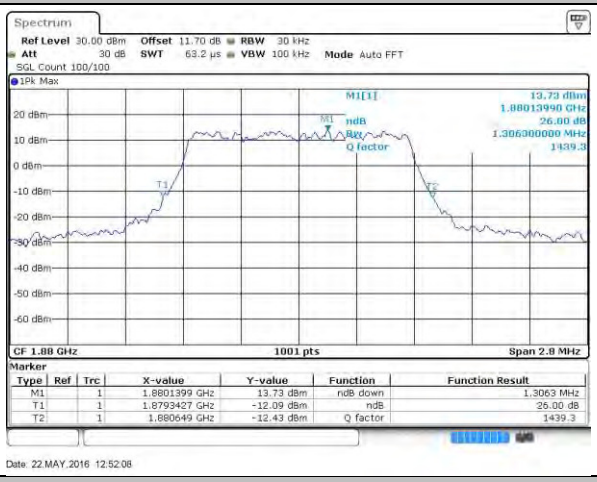
Lowest Channel / 1.4MHz / 16QAM



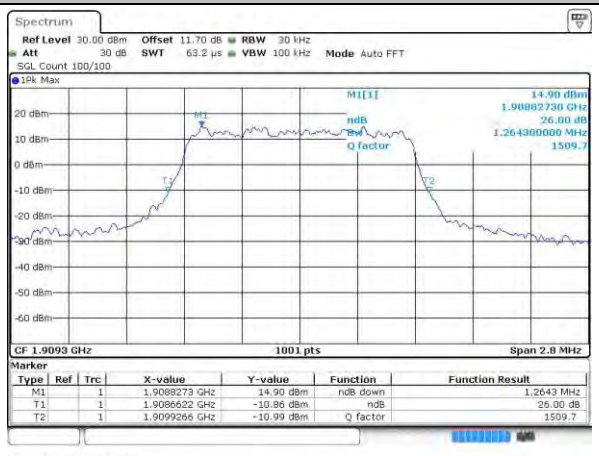
Middle Channel / 1.4MHz / QPSK



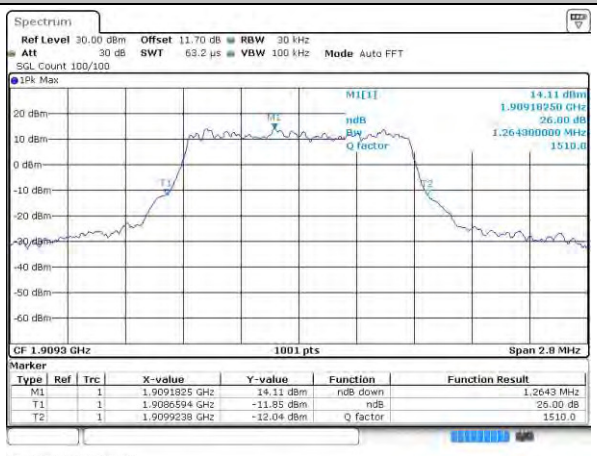
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

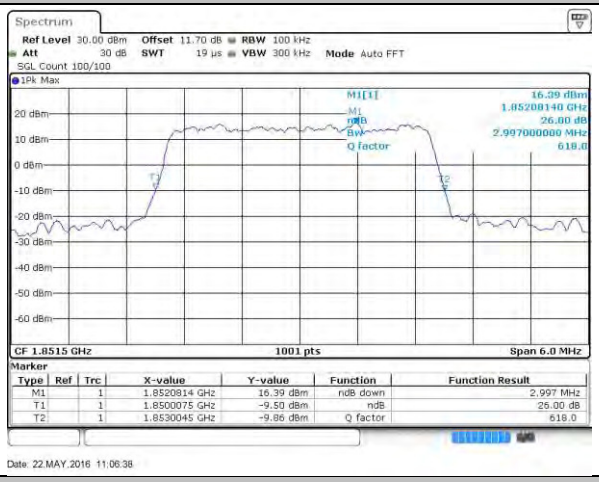


Highest Channel / 1.4MHz / 16QAM

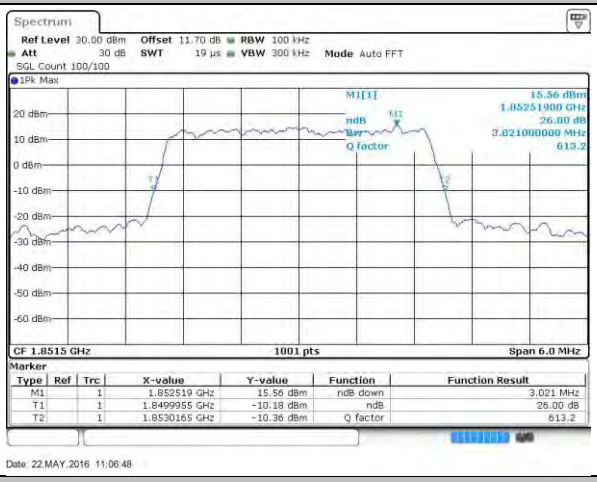


LTE Band 2

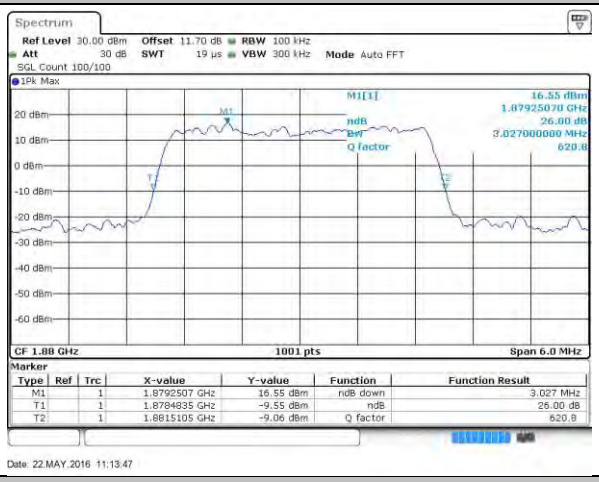
Lowest Channel / 3MHz / QPSK



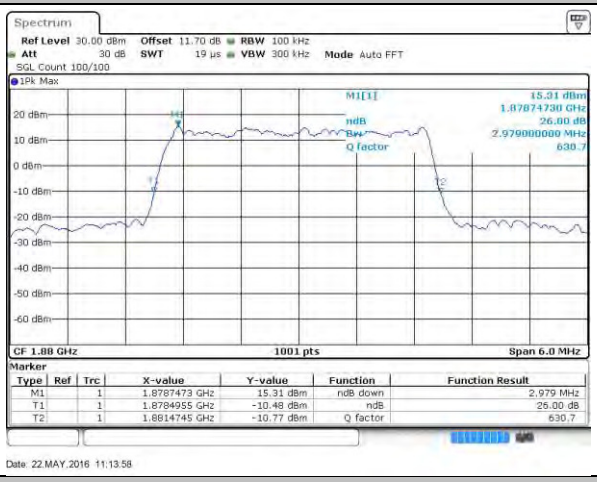
Lowest Channel / 3MHz / 16QAM



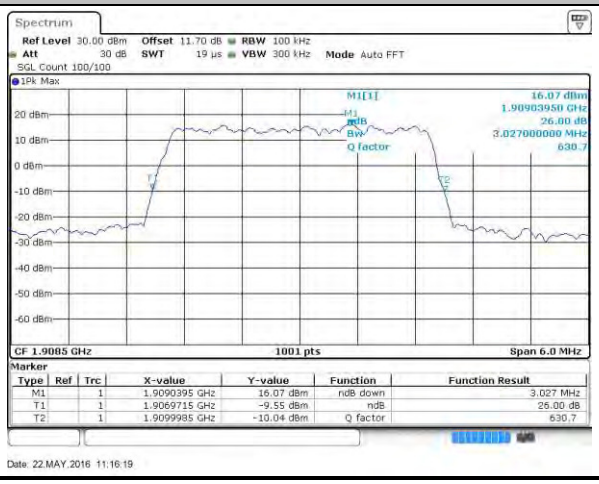
Middle Channel / 3MHz / QPSK



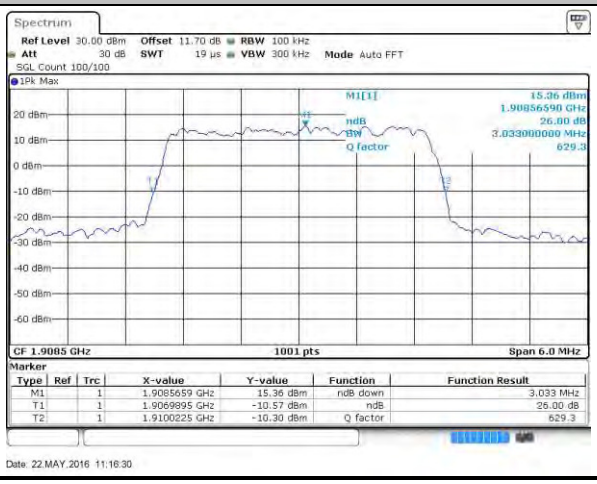
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

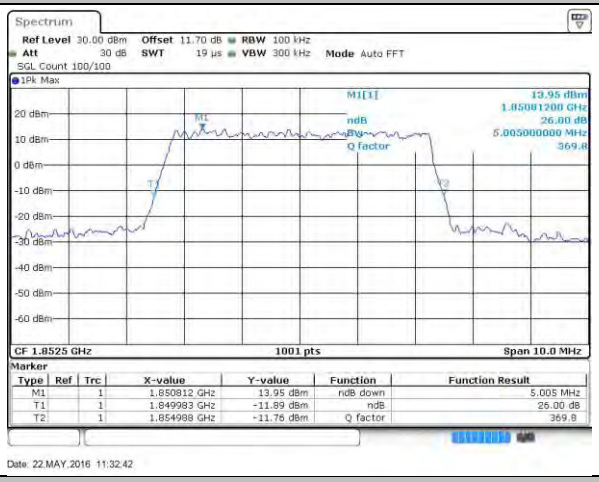


Highest Channel /3MHz / 16QAM

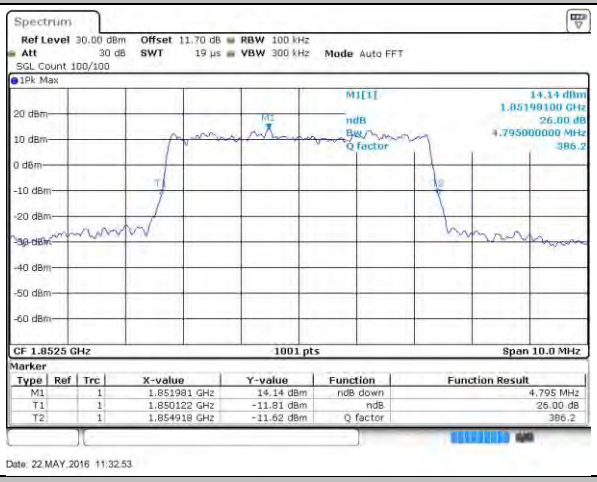


LTE Band 2

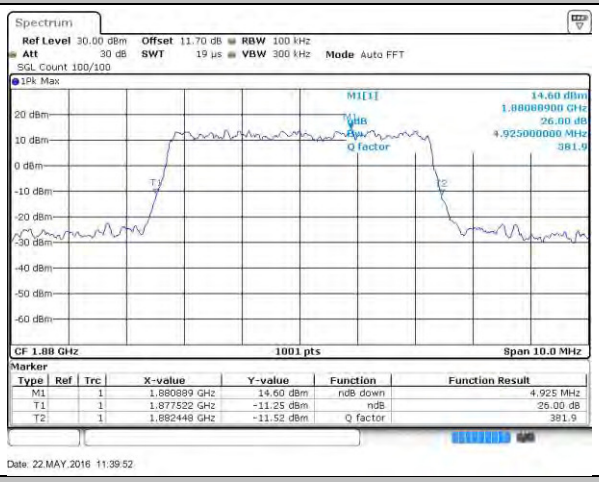
Lowest Channel / 5MHz / QPSK



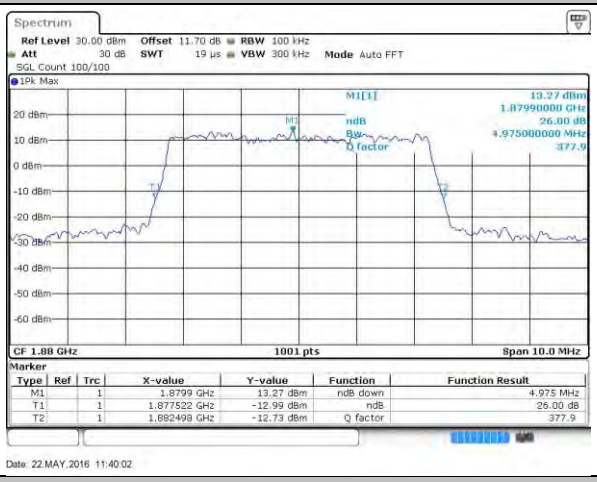
Lowest Channel / 5MHz / 16QAM



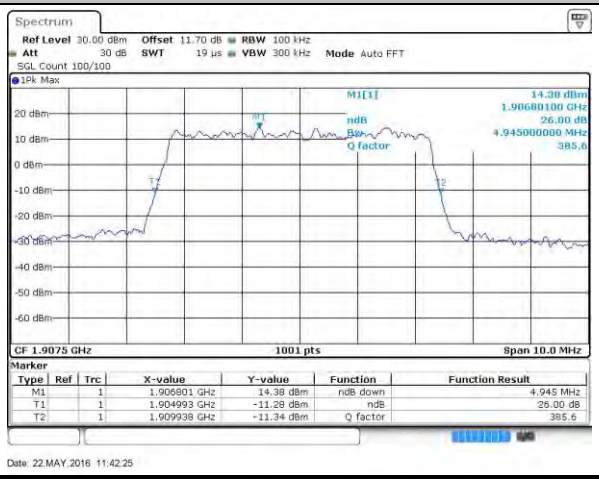
Middle Channel / 5MHz / QPSK



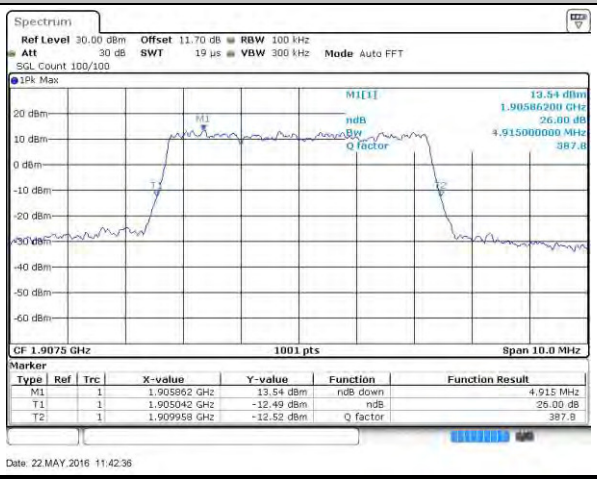
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

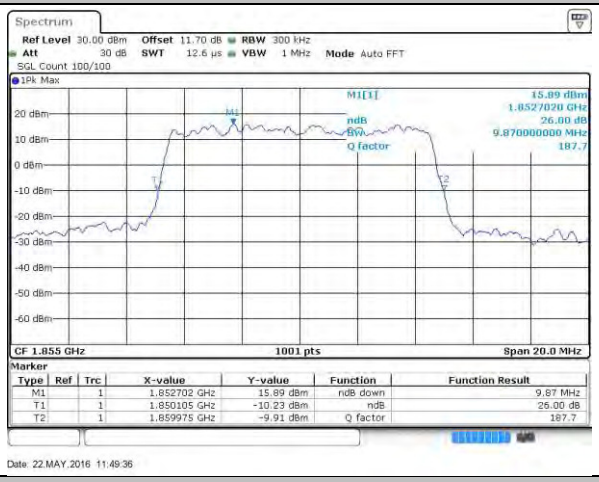


Highest Channel / 5MHz / 16QAM

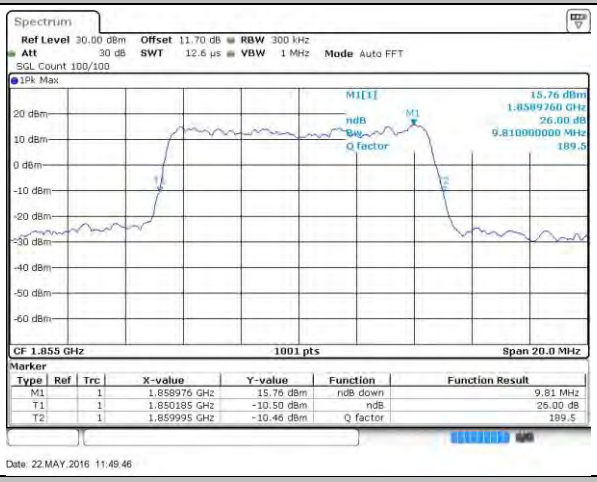


LTE Band 2

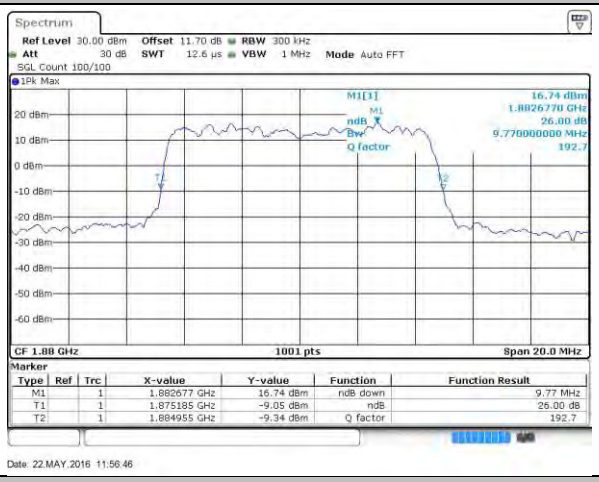
Lowest Channel / 10MHz / QPSK



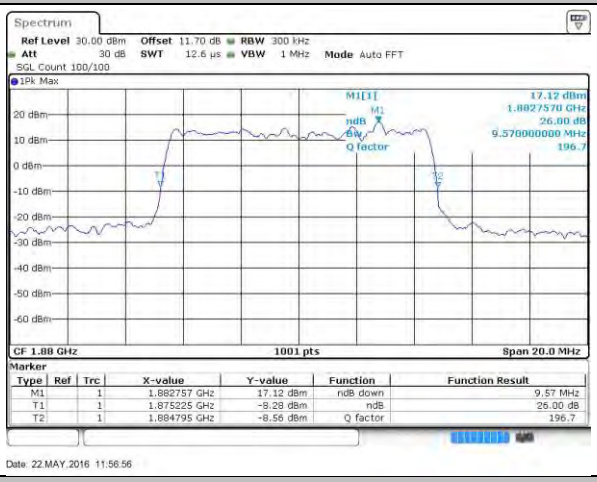
Lowest Channel / 10MHz / 16QAM



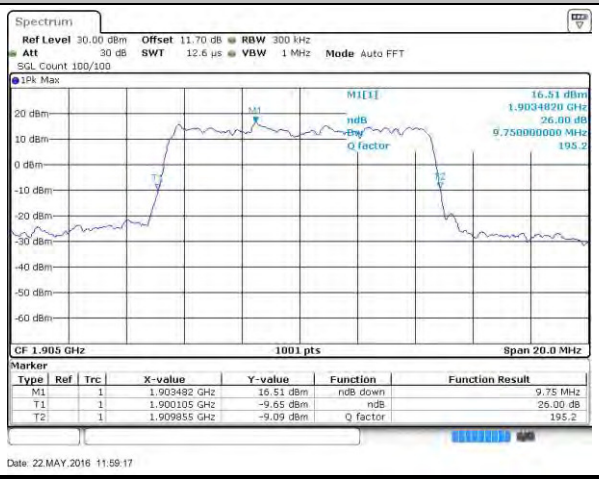
Middle Channel / 10MHz / QPSK



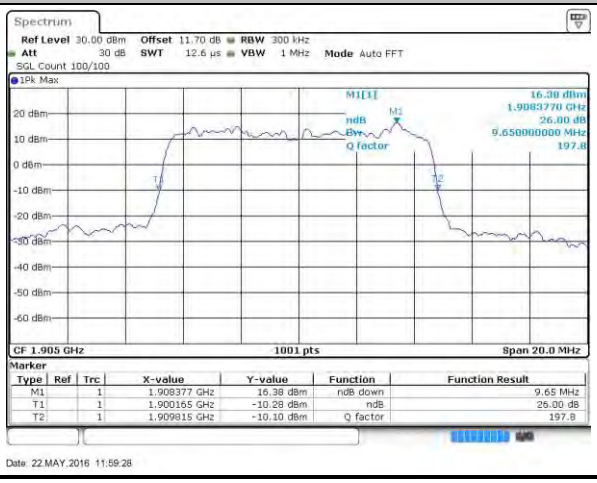
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

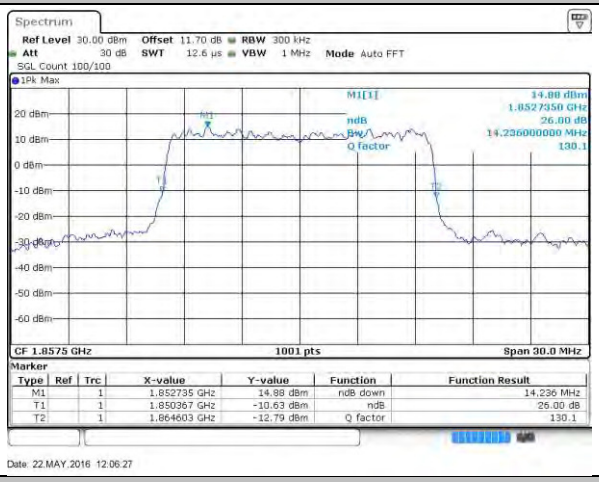


Highest Channel / 10MHz / 16QAM

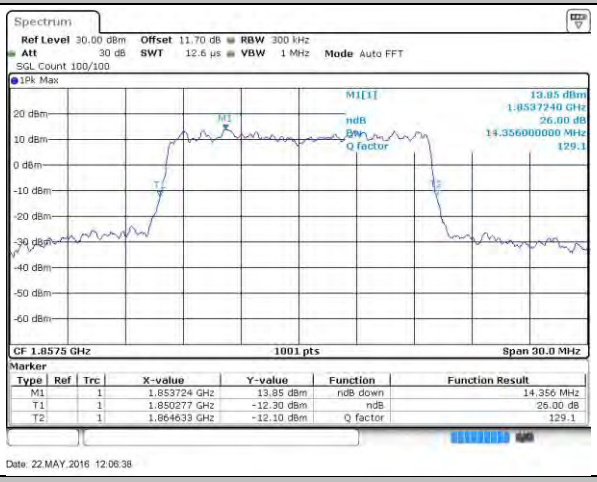


LTE Band 2

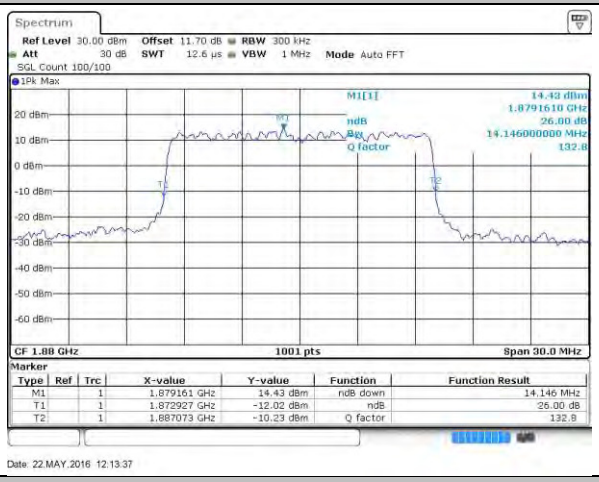
Lowest Channel / 15MHz / QPSK



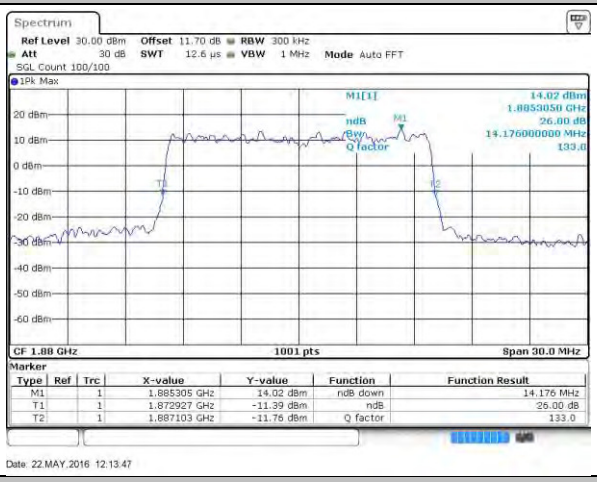
Lowest Channel / 15MHz / 16QAM



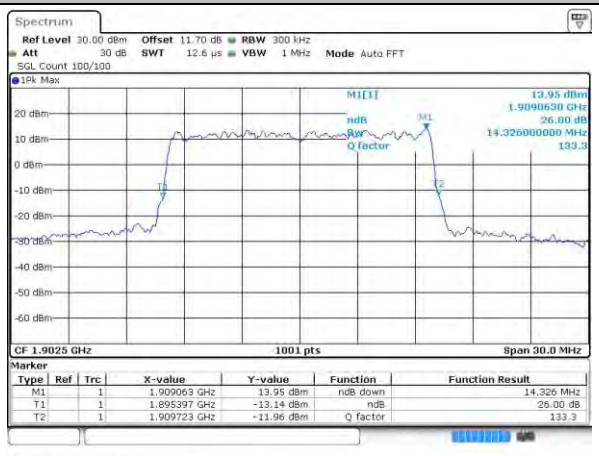
Middle Channel / 15MHz / QPSK



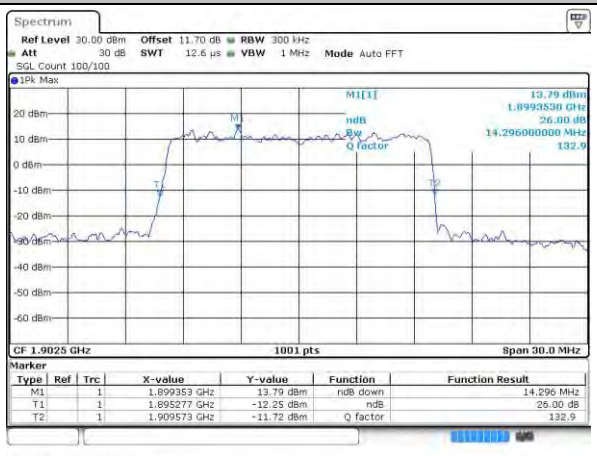
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

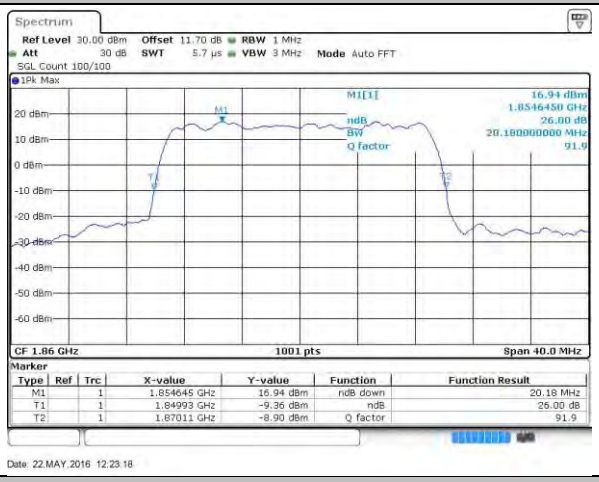


Highest Channel / 15MHz / 16QAM

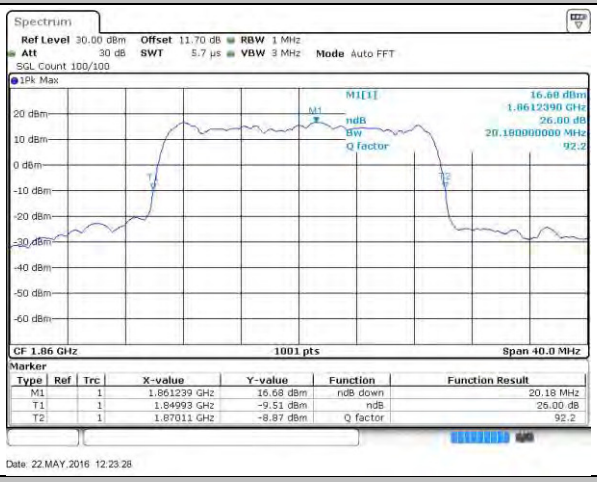


LTE Band 2

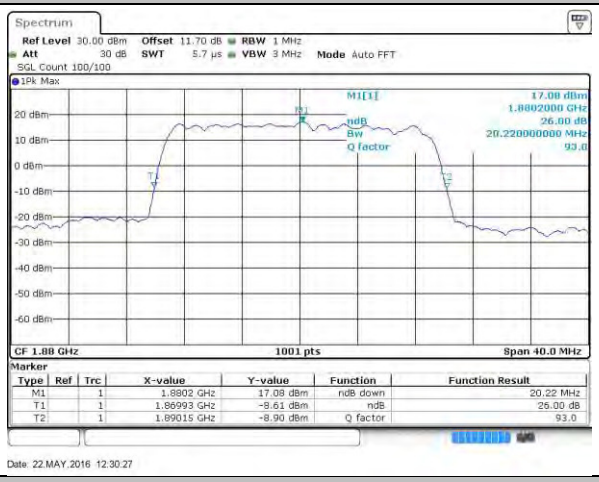
Lowest Channel / 20MHz / QPSK



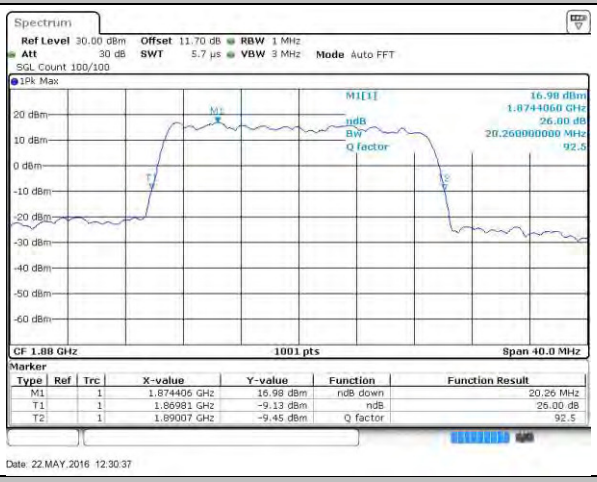
Lowest Channel / 20MHz / 16QAM



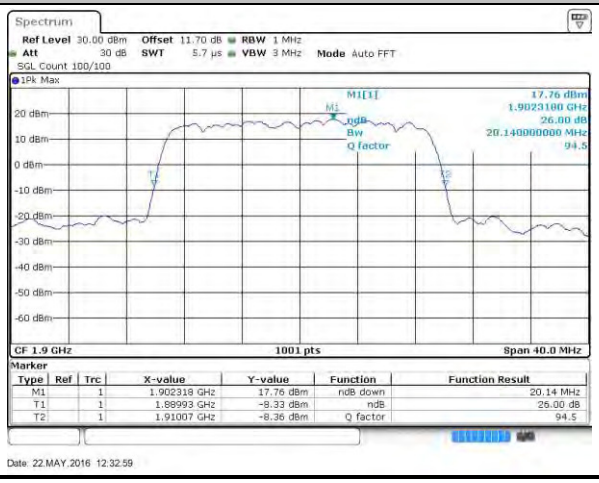
Middle Channel / 20MHz / QPSK



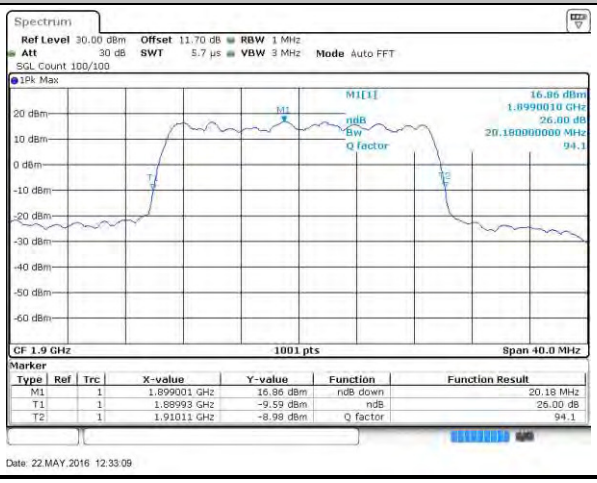
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

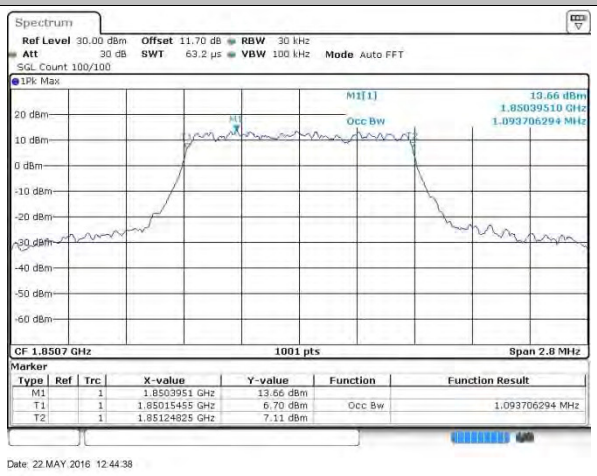


Occupied Bandwidth

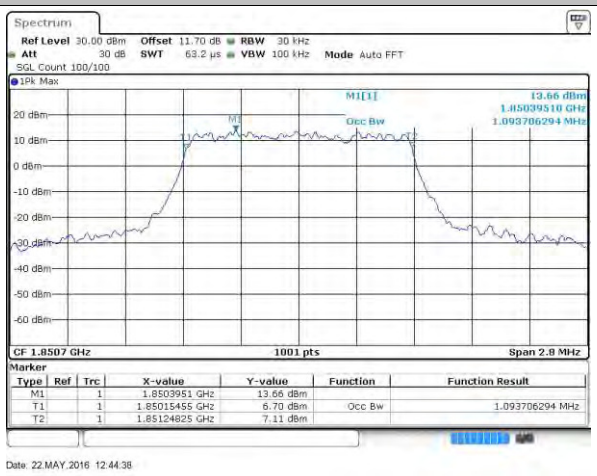
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.09	2.73	2.7	4.51	4.5	9.05	8.97	13.4	13.43	18.38	18.34
Middle CH	1.1	1.1	2.73	2.73	4.49	4.51	9.05	9.09	13.46	13.55	18.42	18.3
Highest CH	1.09	1.09	2.72	2.73	4.51	4.5	8.99	9.07	13.4	13.46	18.3	18.3

LTE Band 2

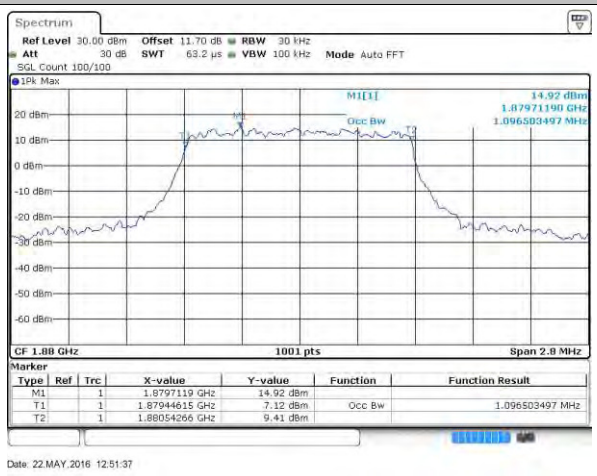
Lowest Channel / 1.4MHz / QPSK



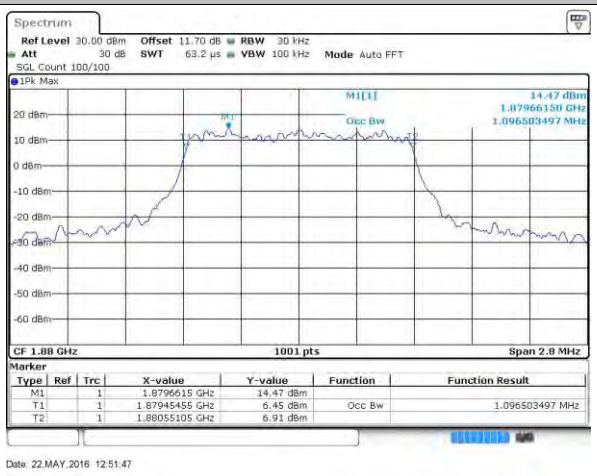
Lowest Channel / 1.4MHz / 16QAM



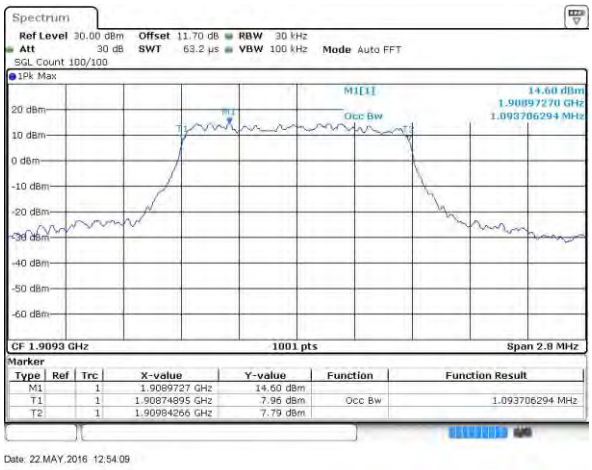
Middle Channel / 1.4MHz / QPSK



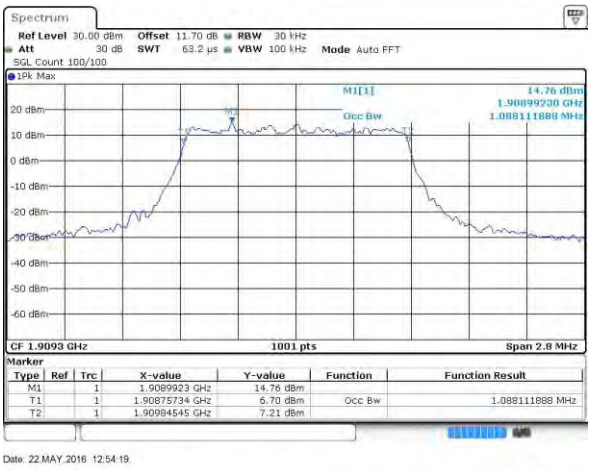
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

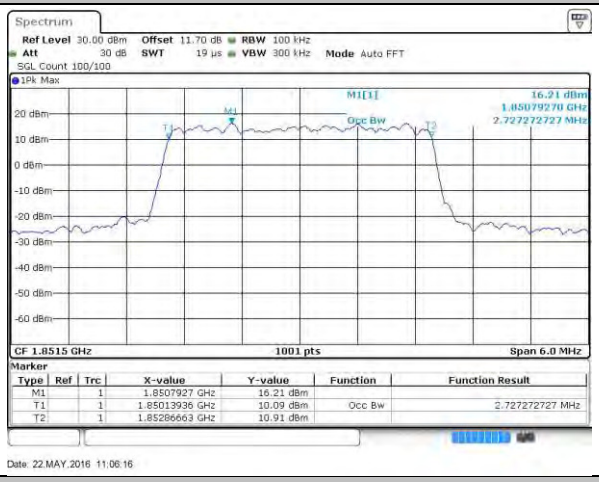


Highest Channel / 1.4MHz / 16QAM

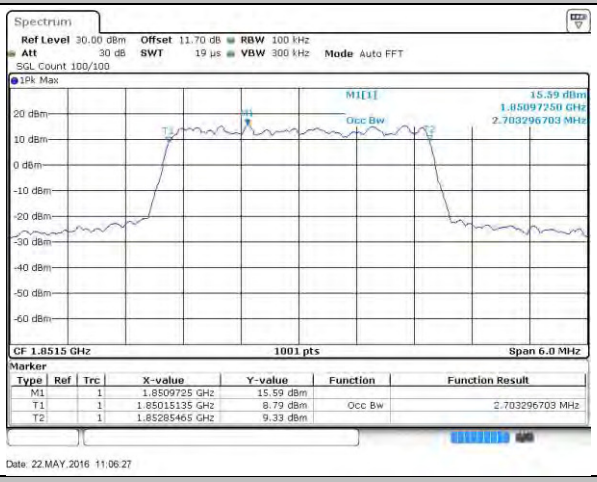


LTE Band 2

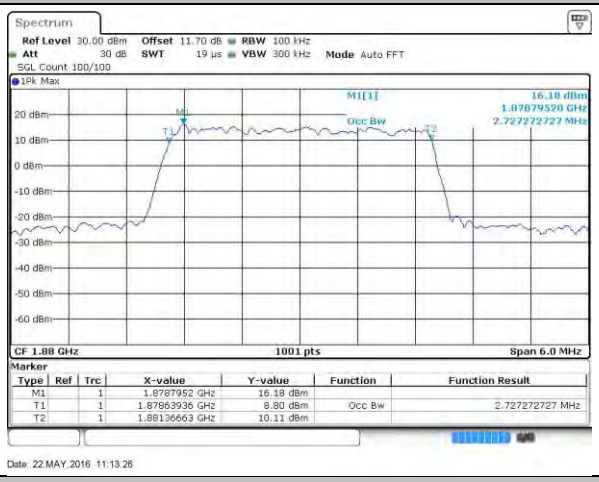
Lowest Channel / 3MHz / QPSK



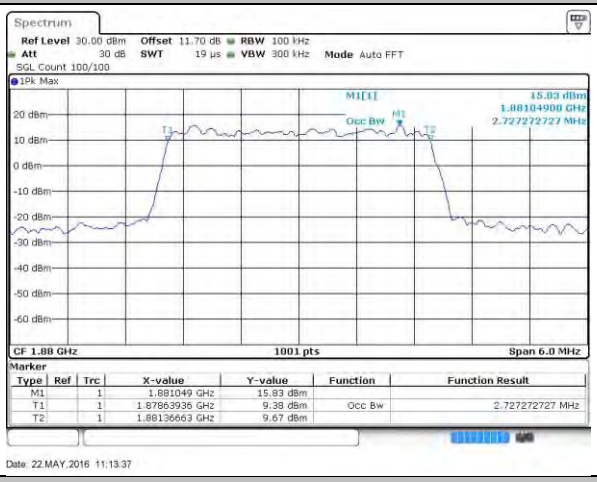
Lowest Channel / 3MHz / 16QAM



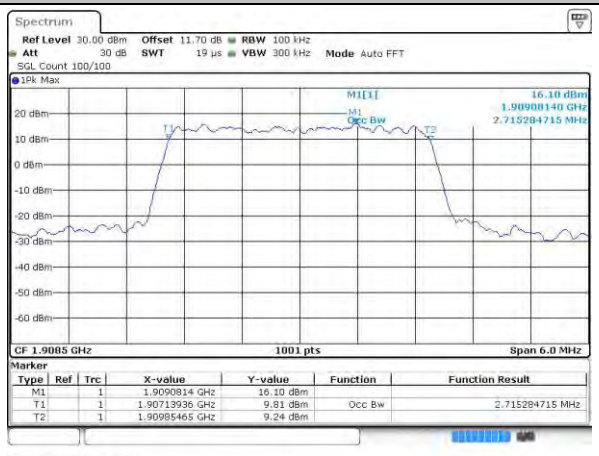
Middle Channel / 3MHz / QPSK



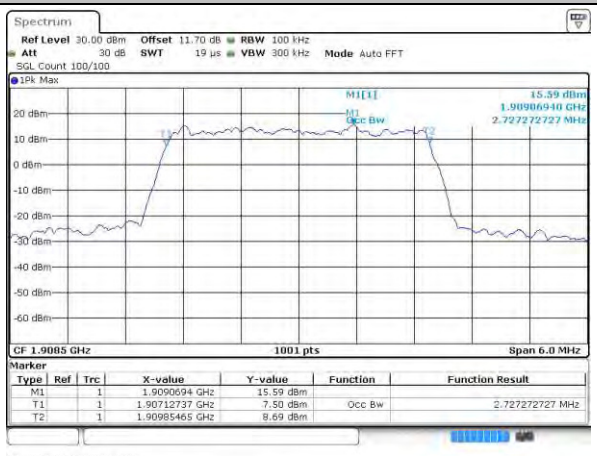
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

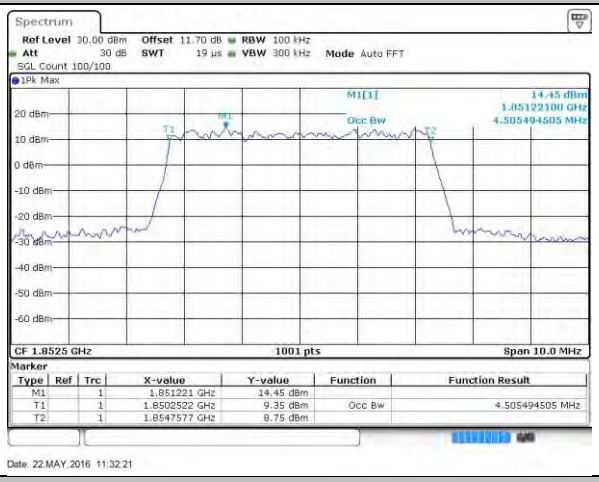


Highest Channel / 3MHz / 16QAM

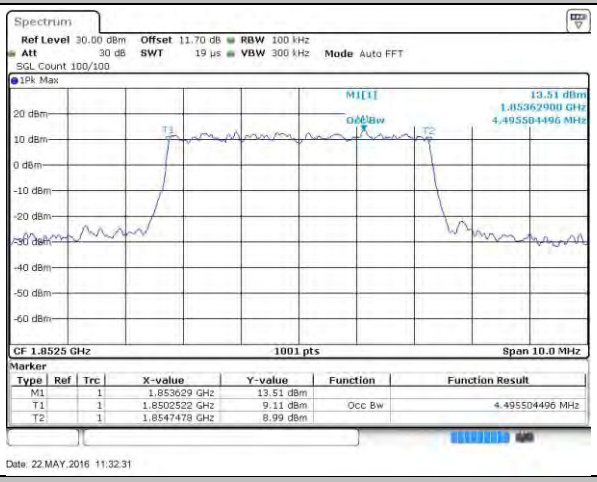


LTE Band 2

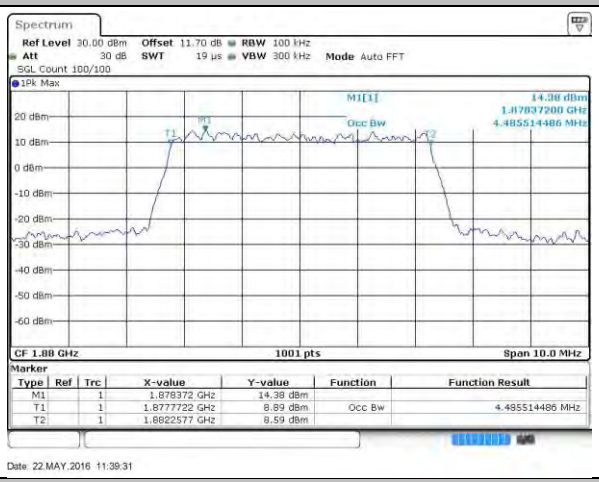
Lowest Channel / 5MHz / QPSK



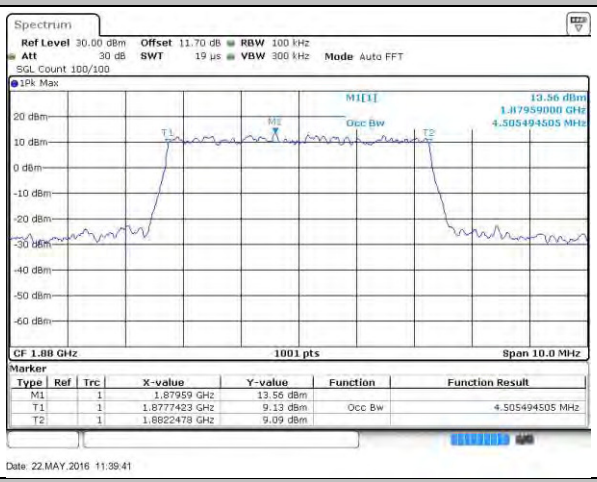
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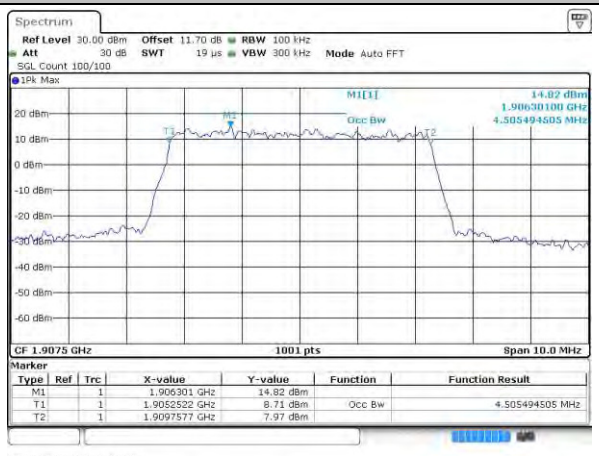
Middle Channel / 5MHz / QPSK



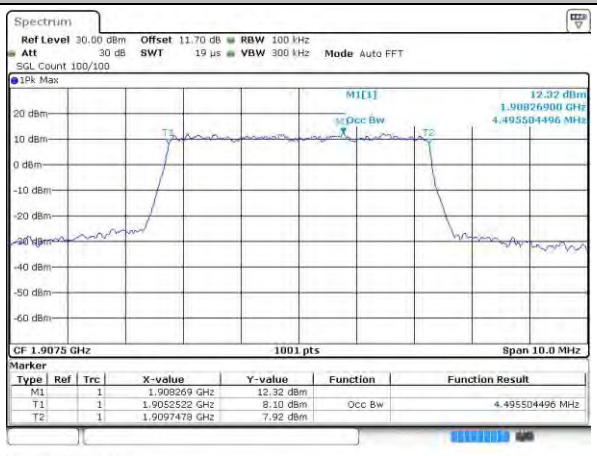
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

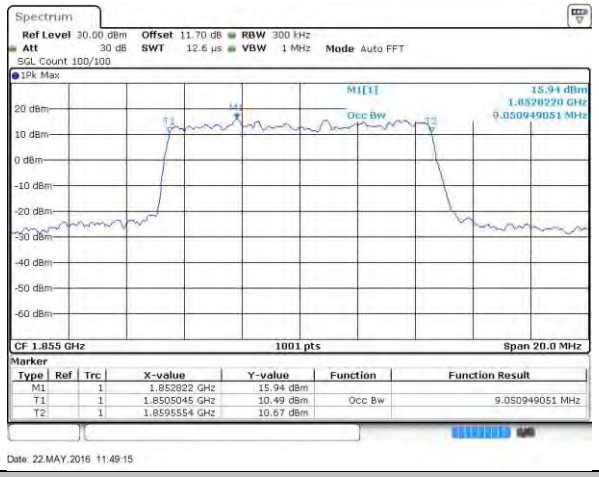


Highest Channel / 5MHz / 16QAM

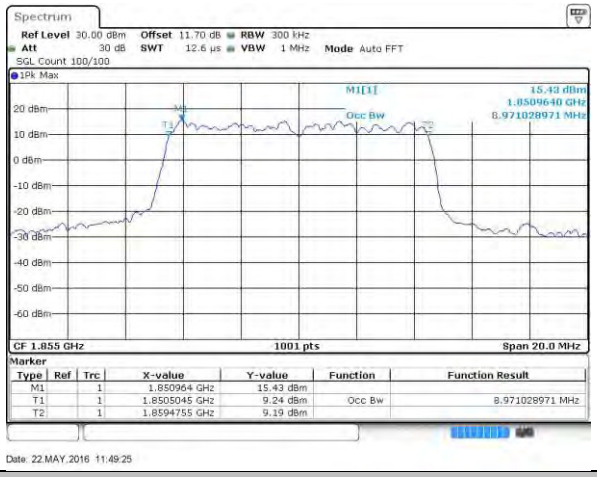


LTE Band 2

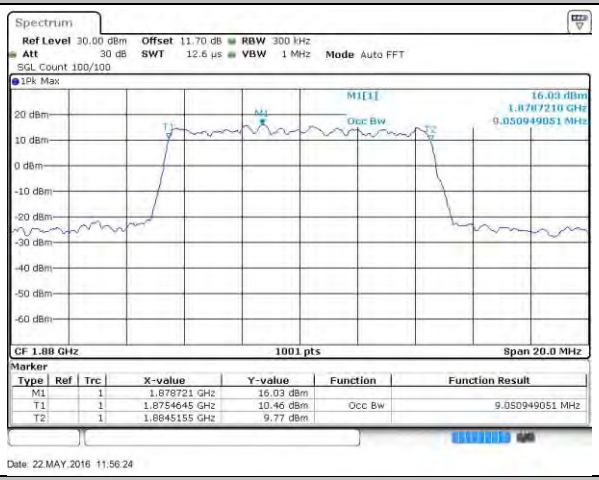
Lowest Channel / 10MHz / QPSK



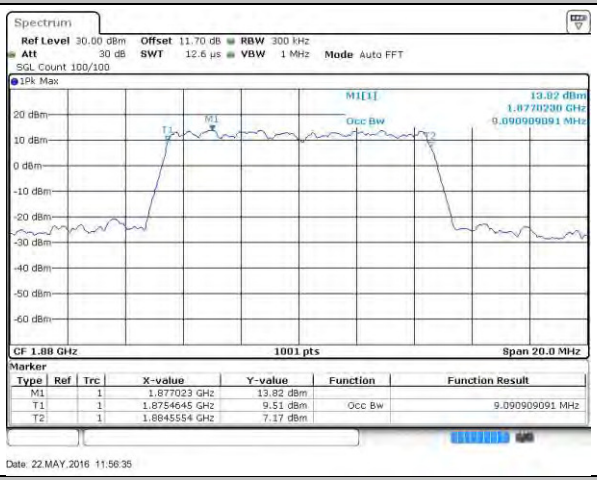
Lowest Channel / 10MHz / 16QAM



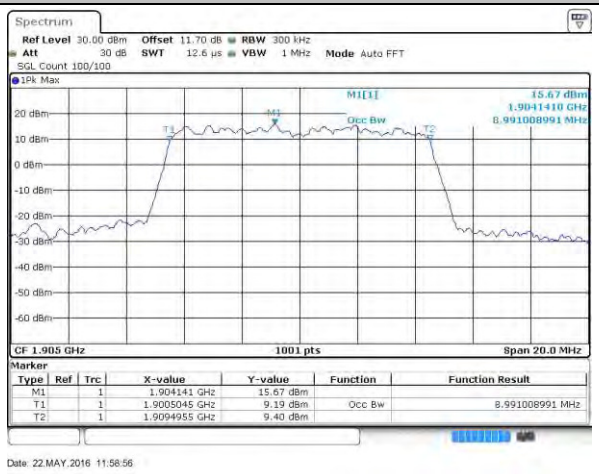
Middle Channel / 10MHz / QPSK



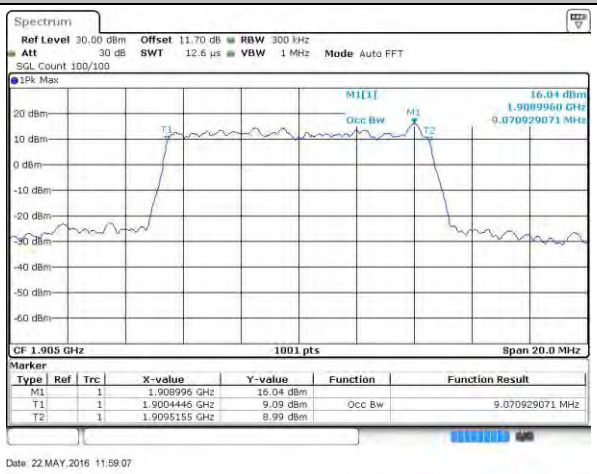
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

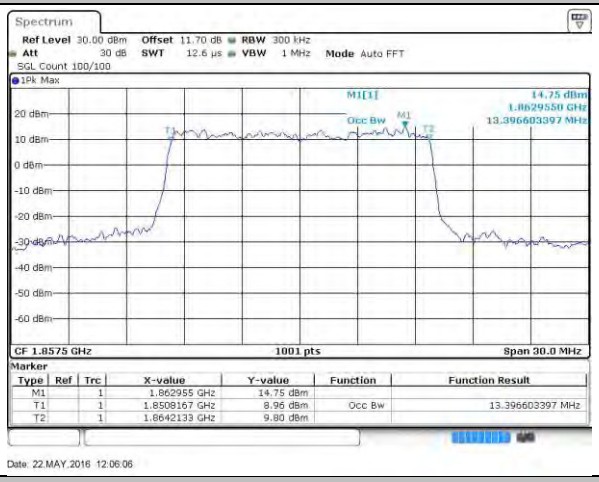


Highest Channel / 10MHz / 16QAM

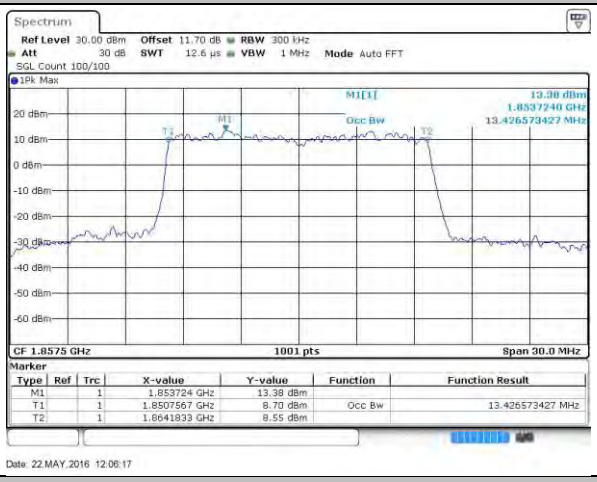


LTE Band 2

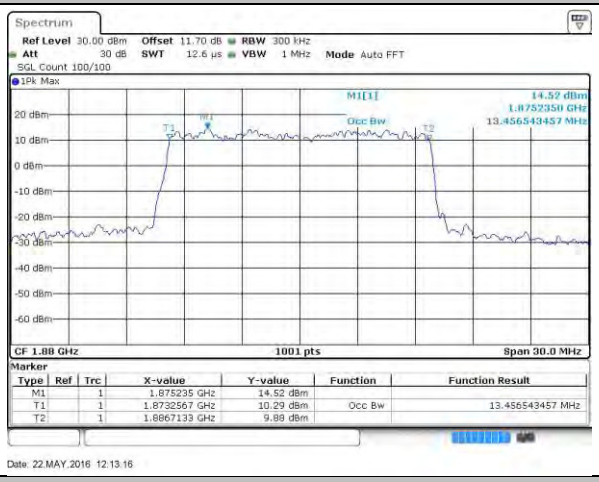
Lowest Channel / 15MHz / QPSK



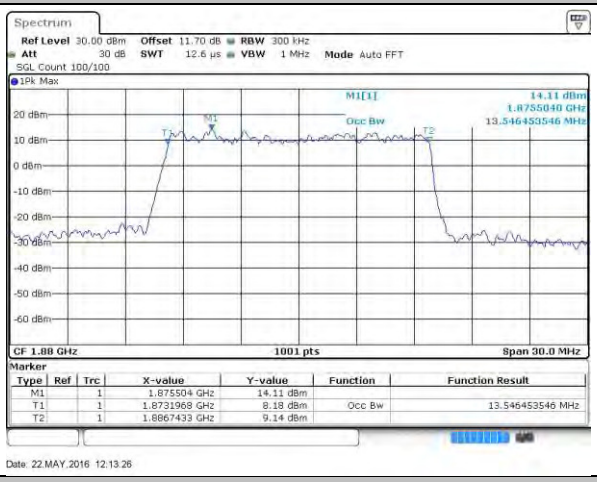
Lowest Channel / 15MHz / 16QAM



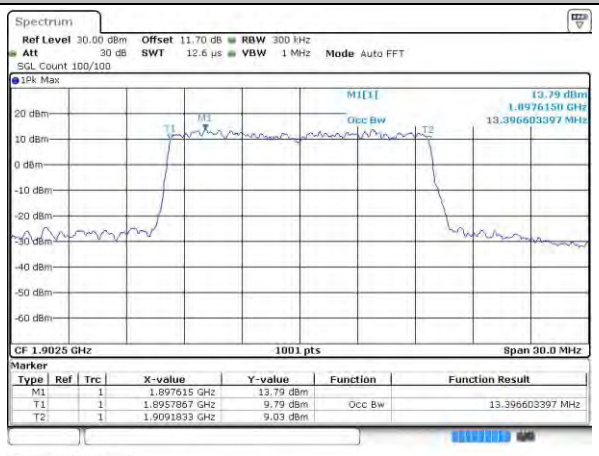
Middle Channel / 15MHz / QPSK



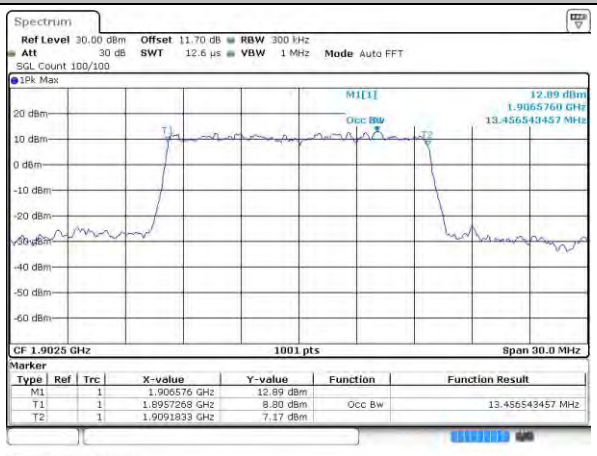
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

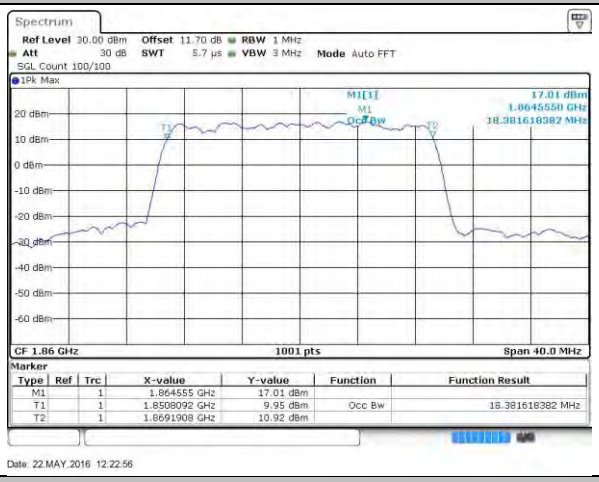


Highest Channel / 15MHz / 16QAM

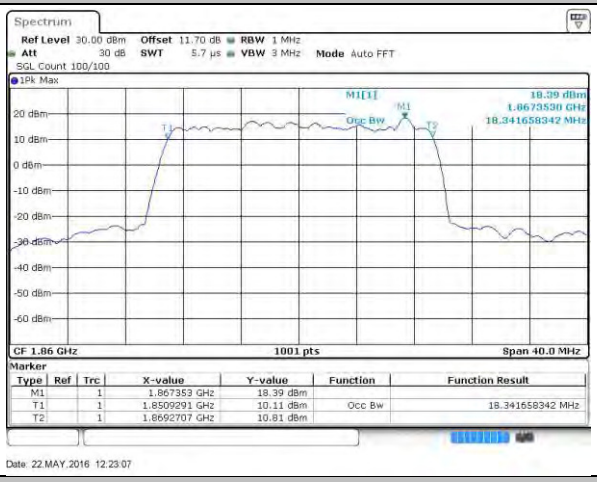


LTE Band 2

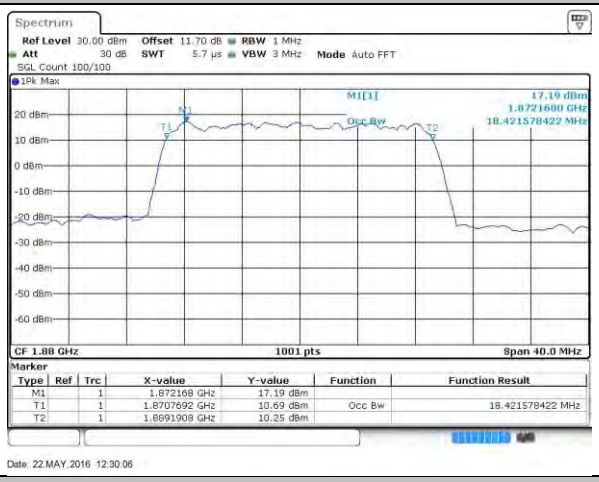
Lowest Channel / 20MHz / QPSK



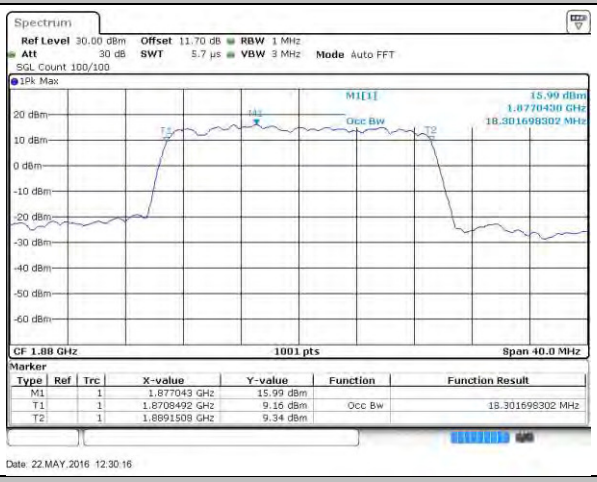
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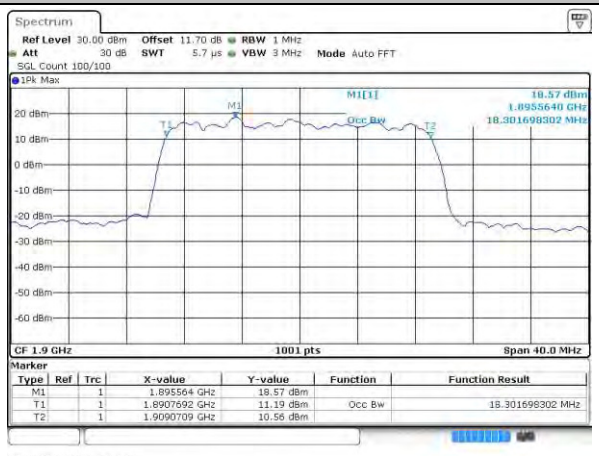
Middle Channel / 20MHz / QPSK



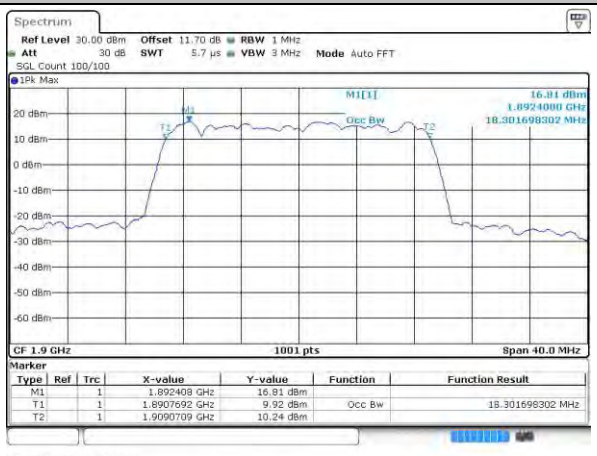
Middle Channel / 20MHz / 16QAM



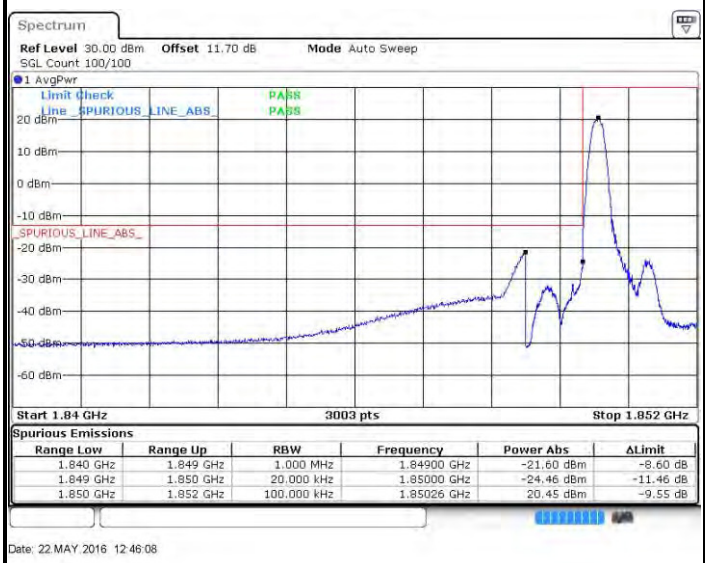
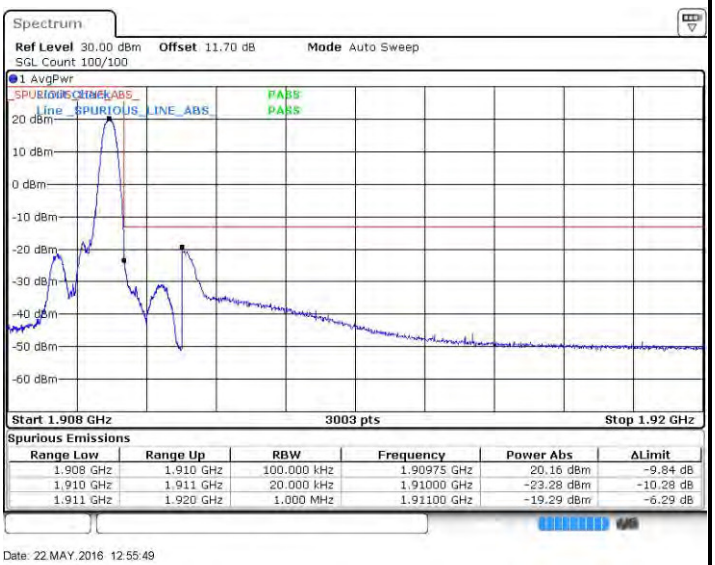
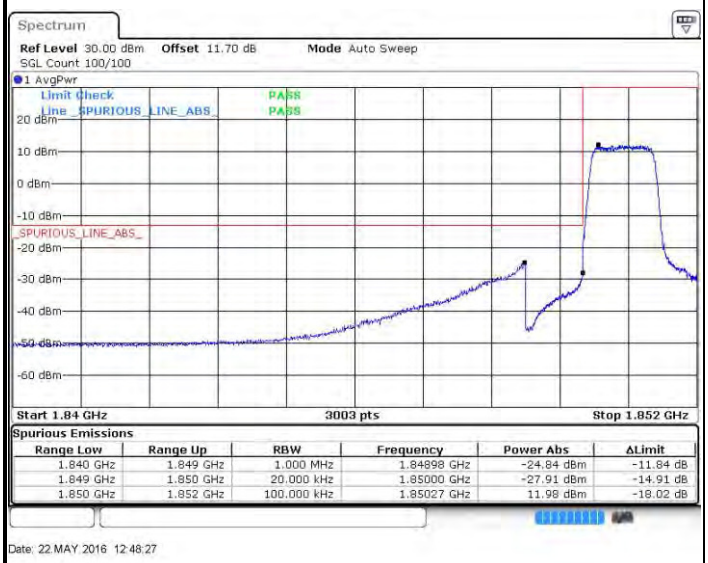
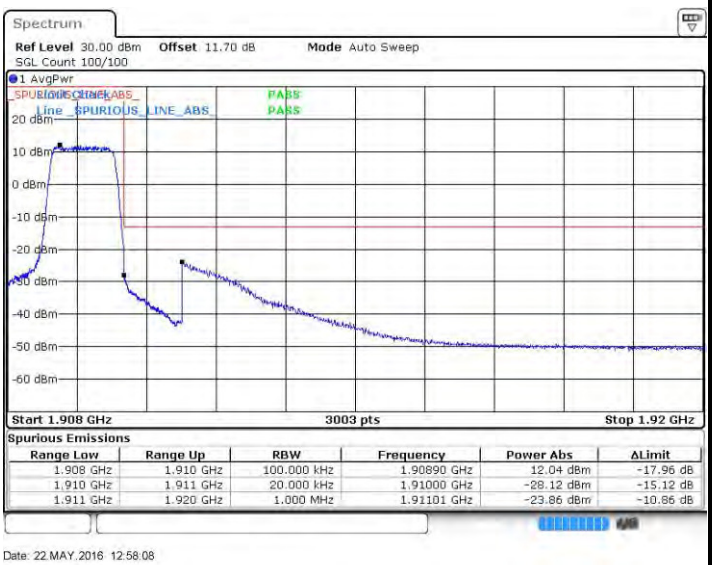
Highest Channel / 20MHz / QPSK

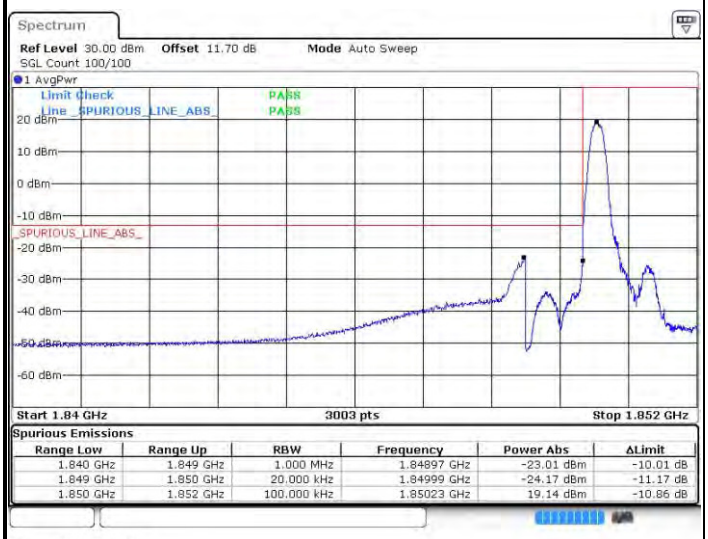
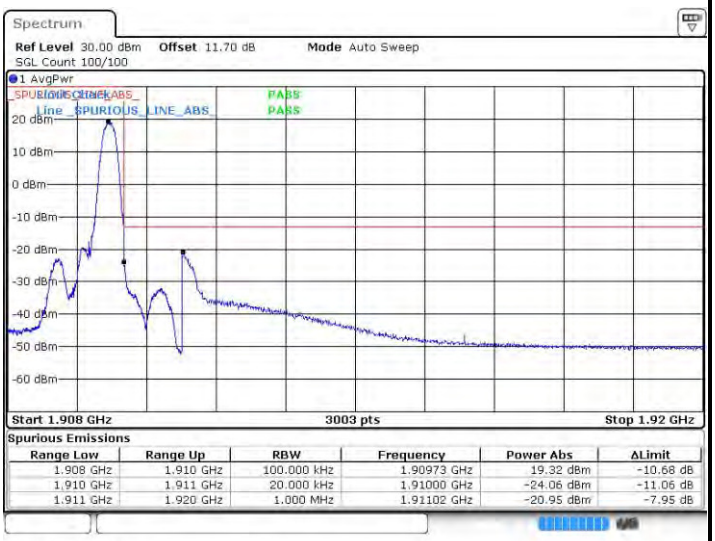
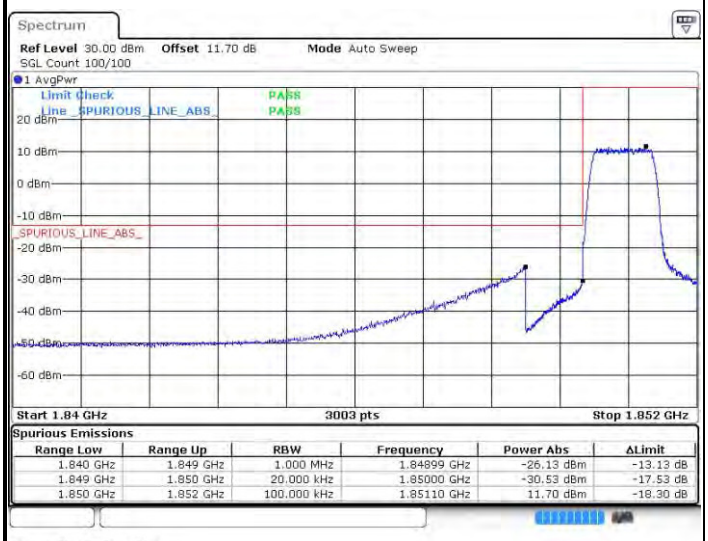
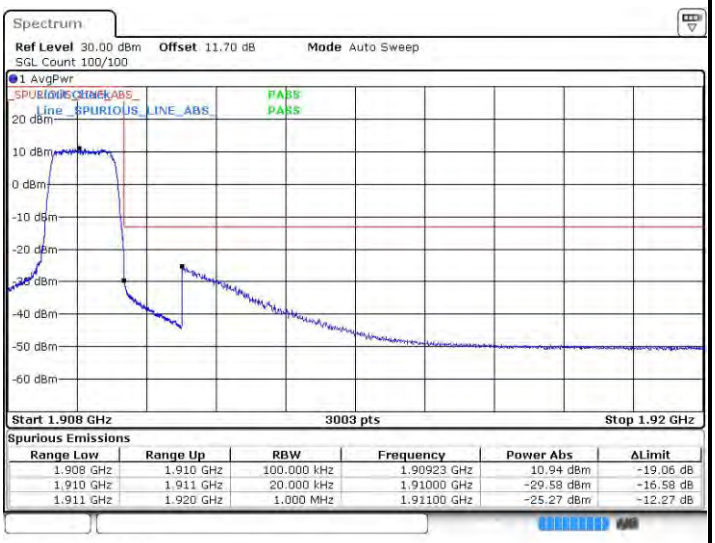


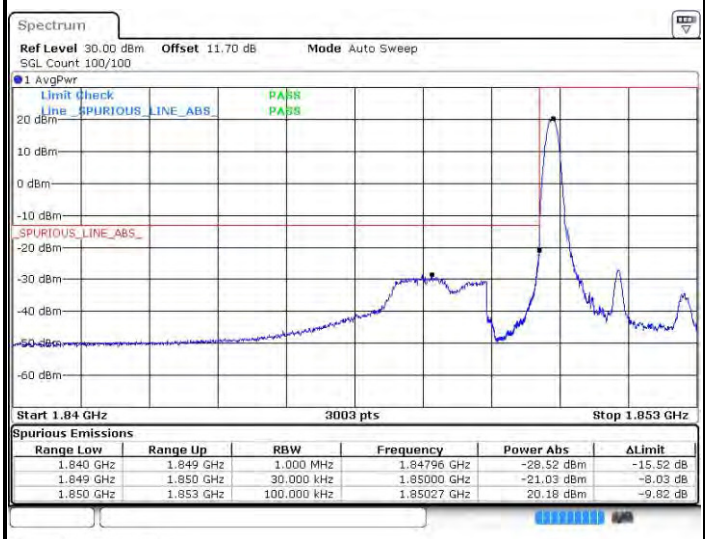
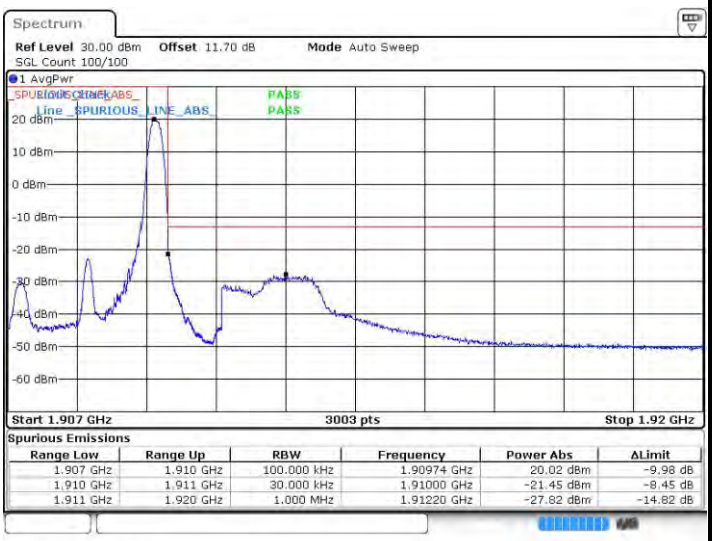
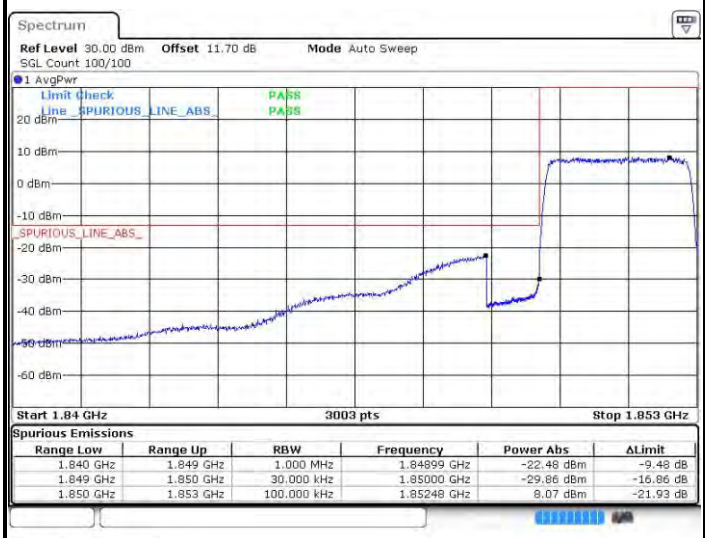
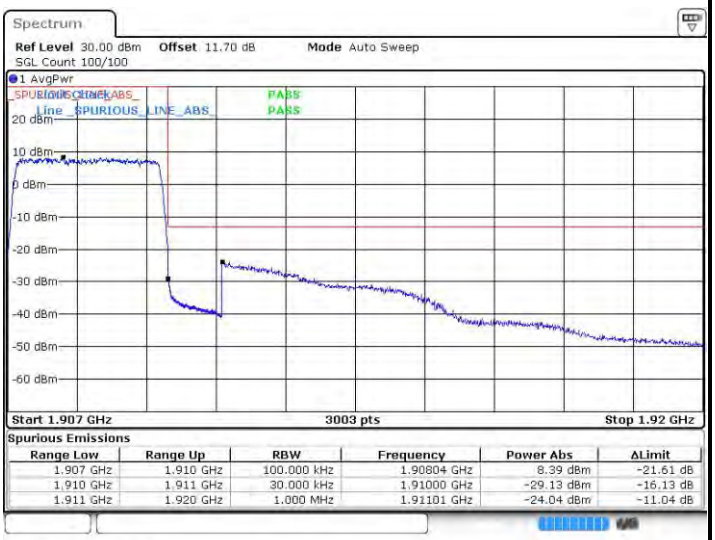
Highest Channel / 20MHz / 16QAM

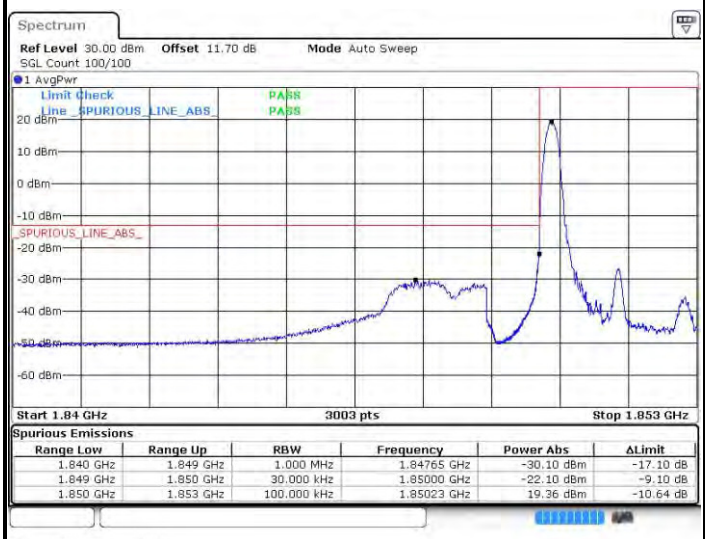
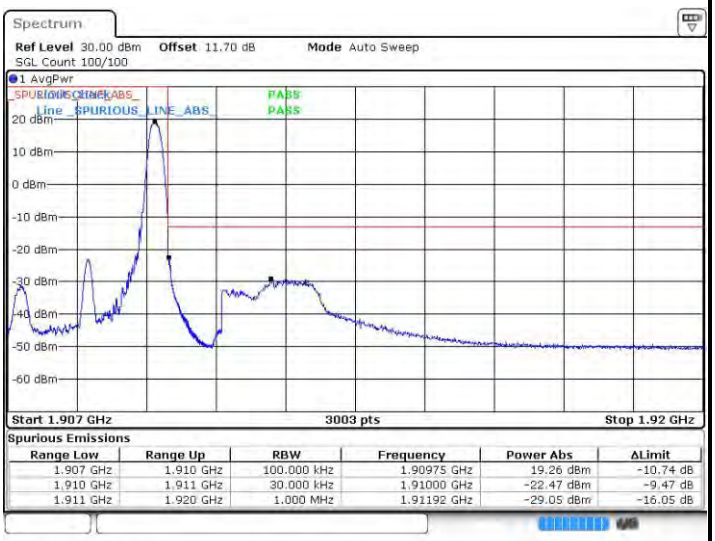
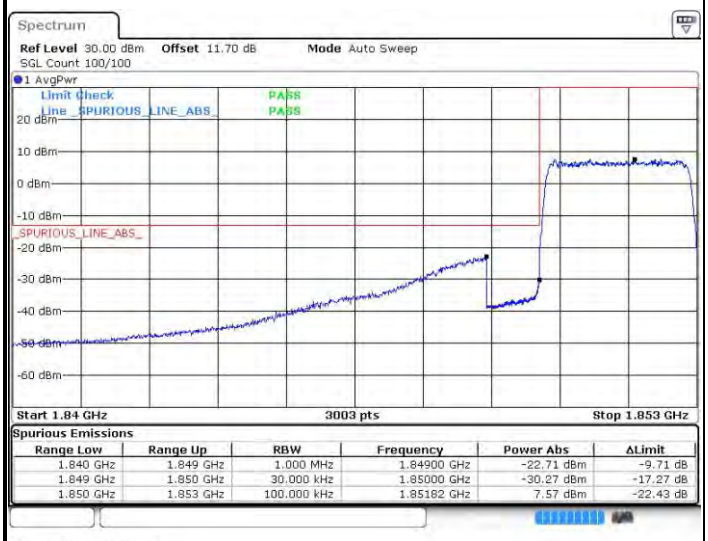
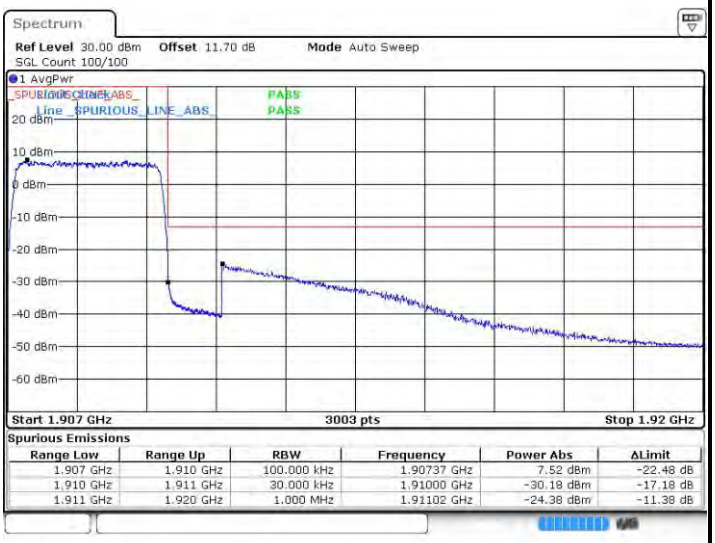


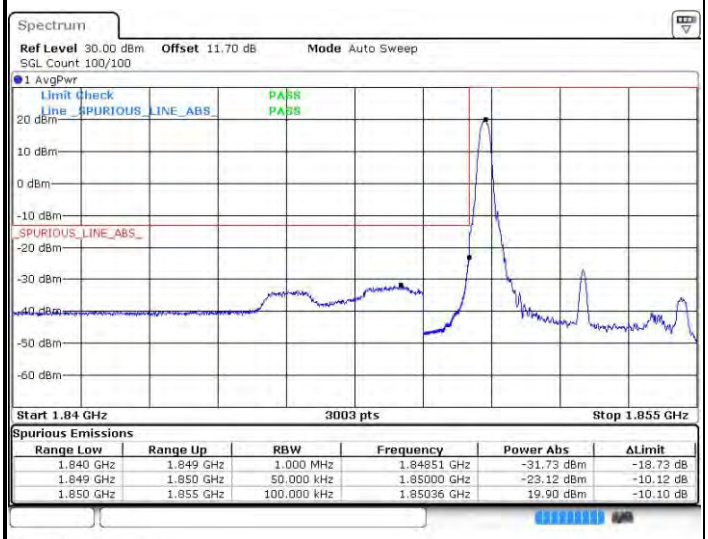
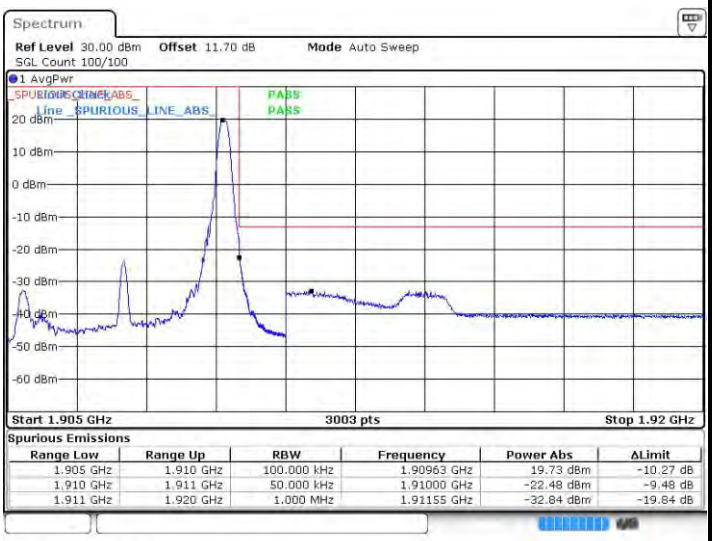
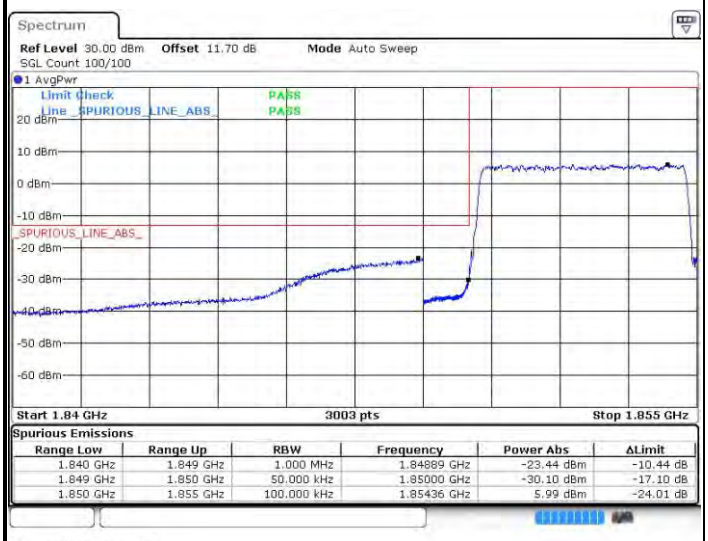
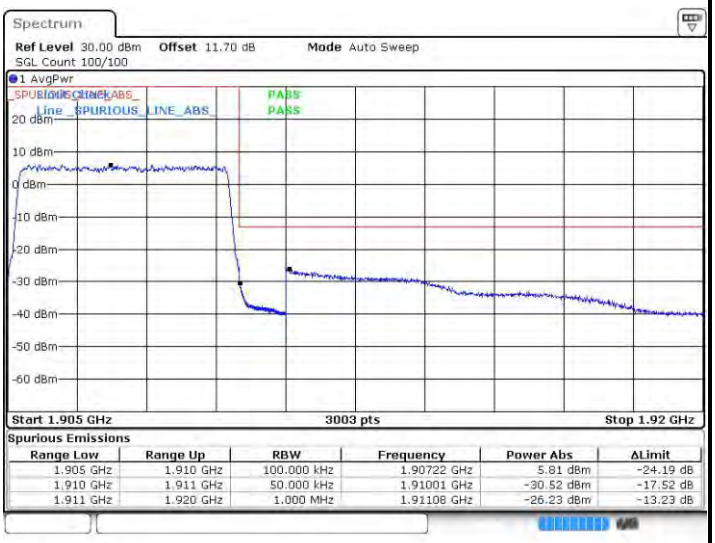
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK	
Lowest Band Edge / 1RB	**Highest Band Edge / 1RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 2 / 1.4MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

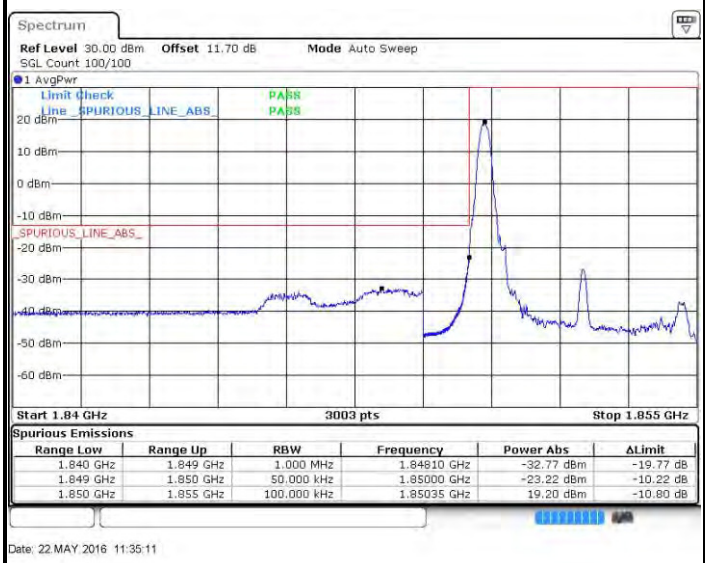
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Lowest Band Edge / 1RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 2 / 3MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge /1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 2 / 5MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

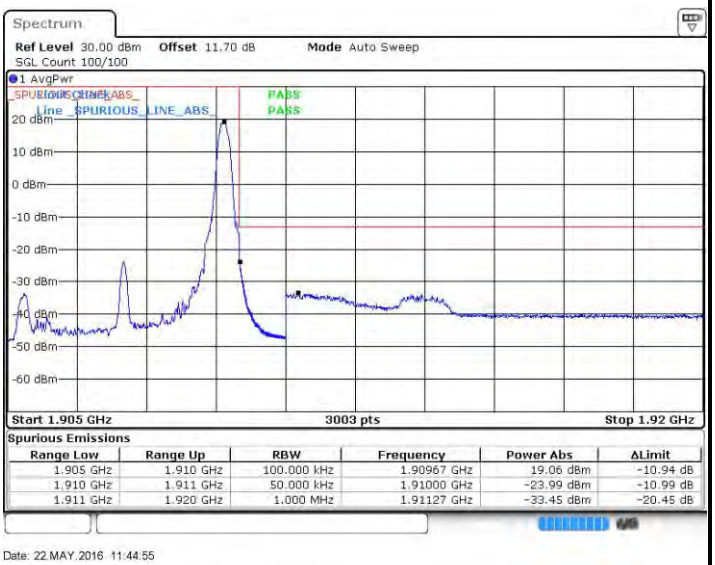
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



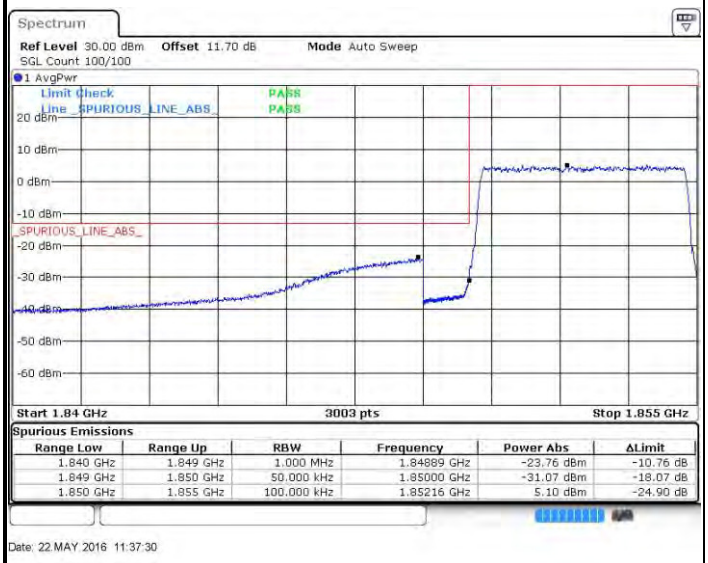
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Highest Band Edge / 1 RB



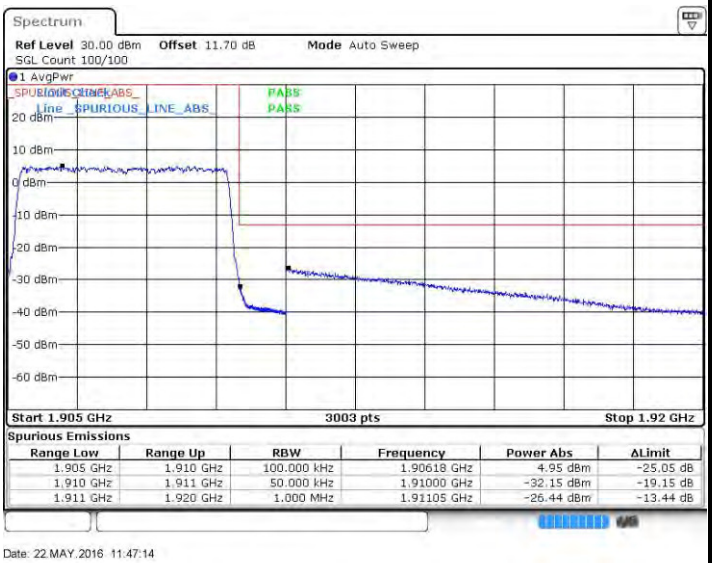
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Lowest Band Edge / Full RB

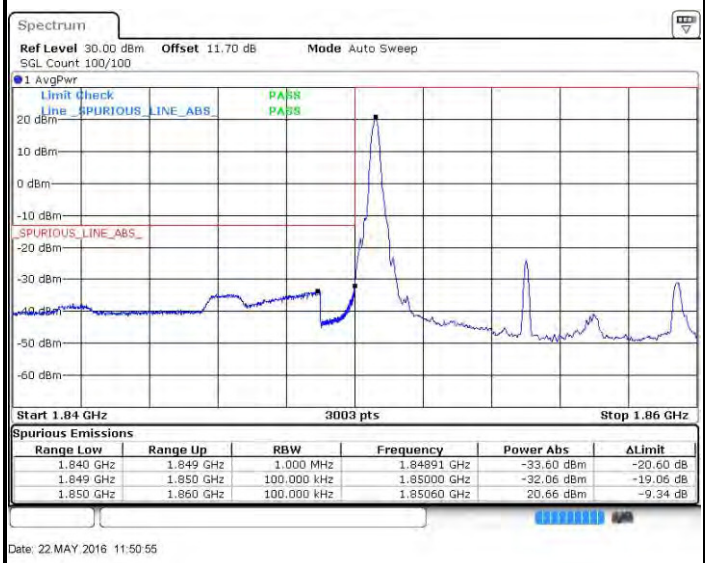
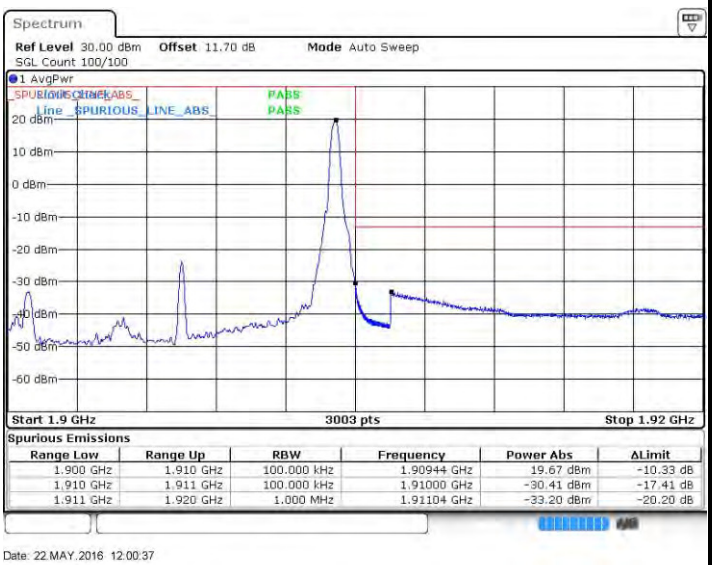
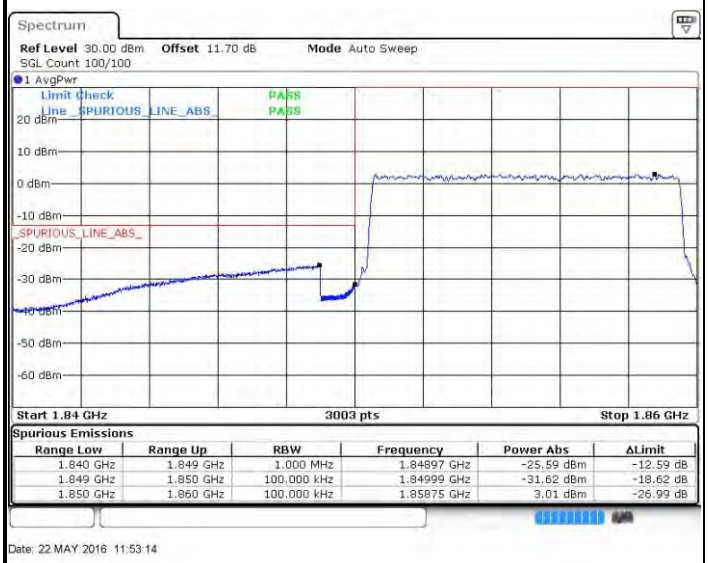
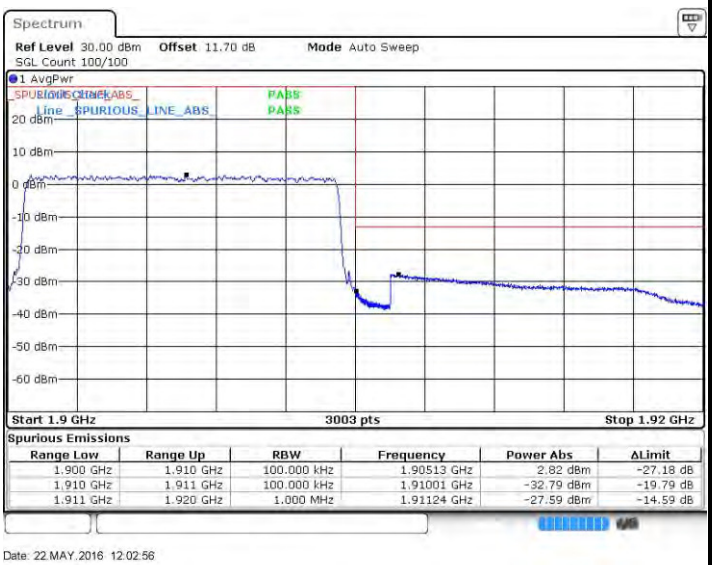


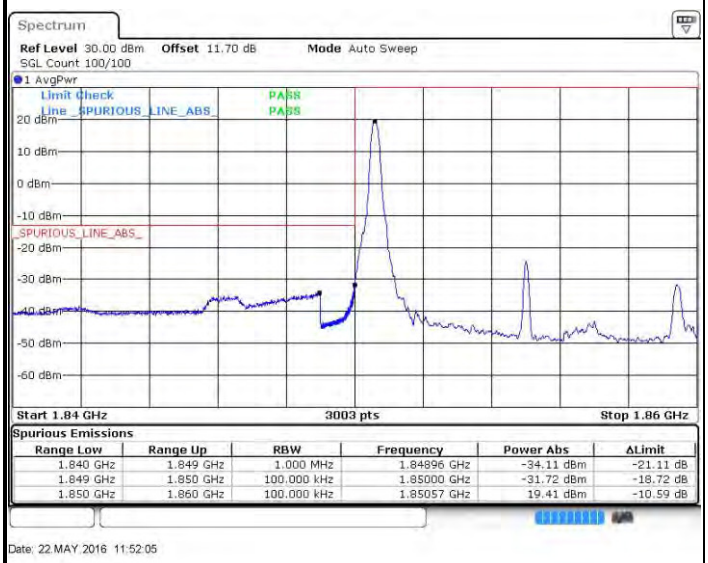
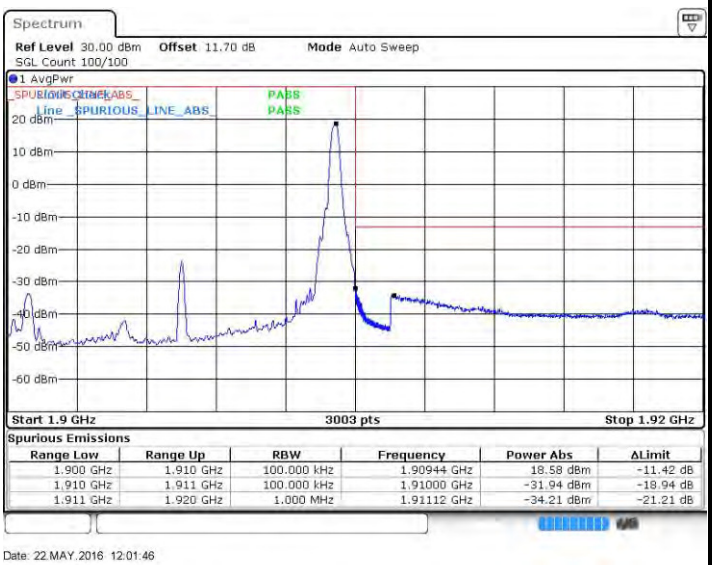
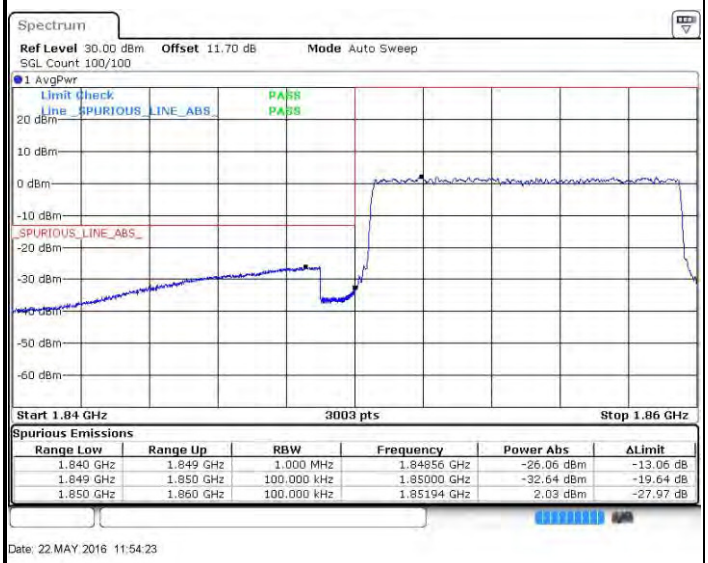
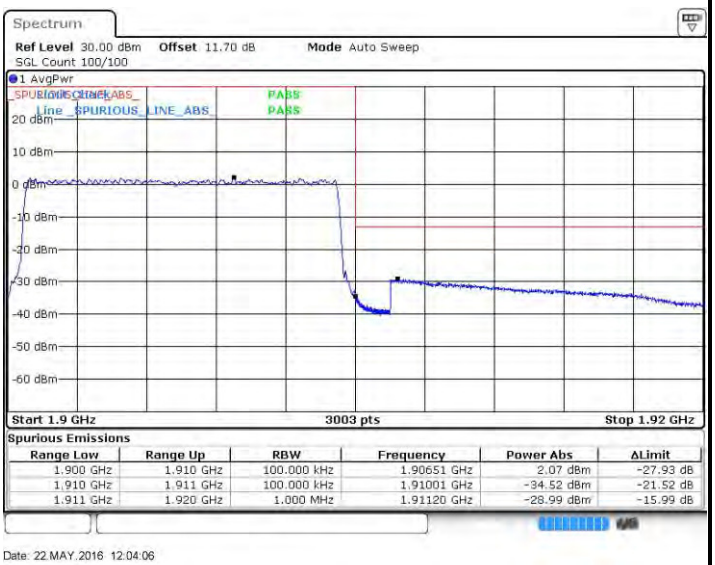
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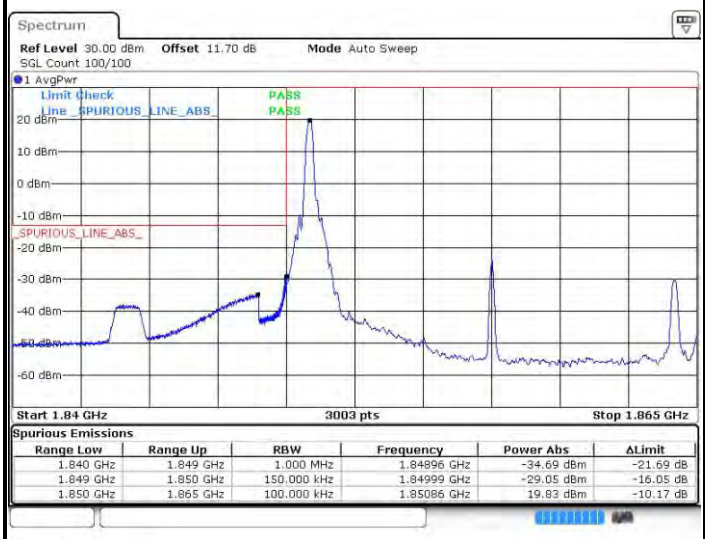
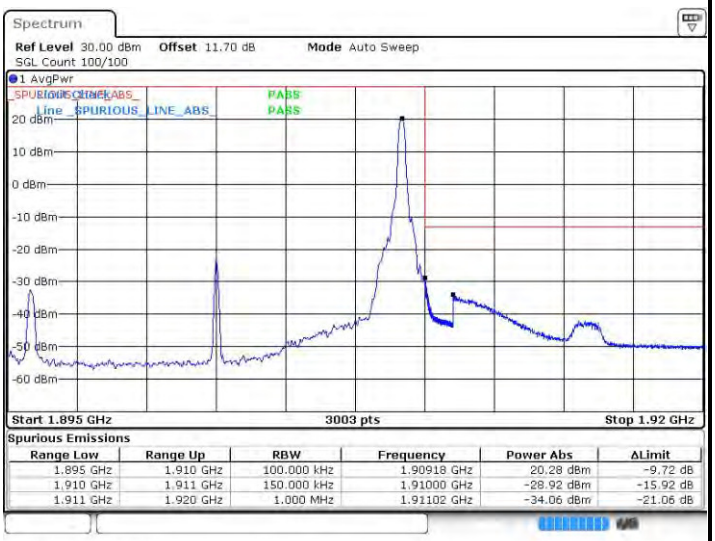
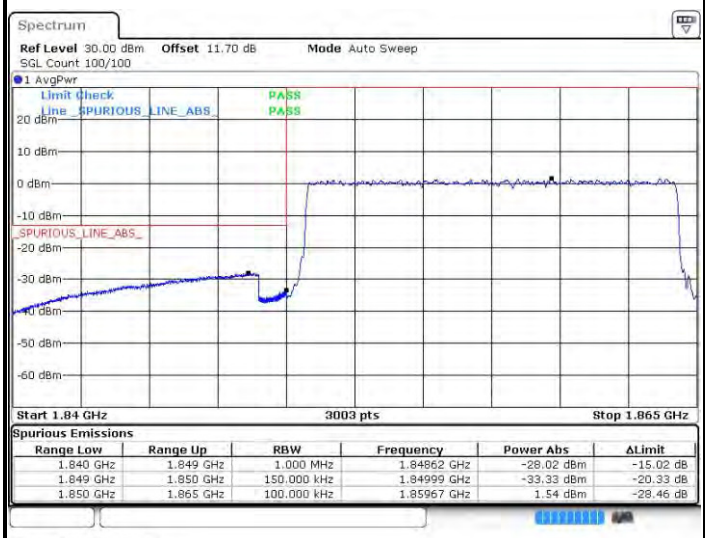
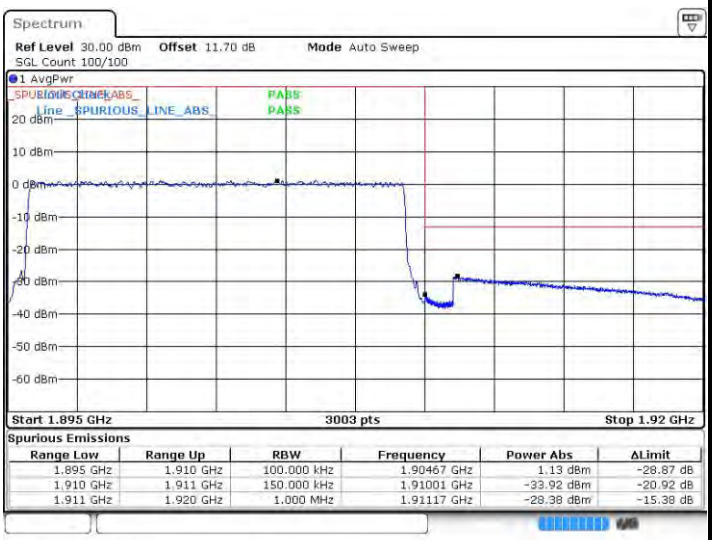
Highest Band Edge / Full RB

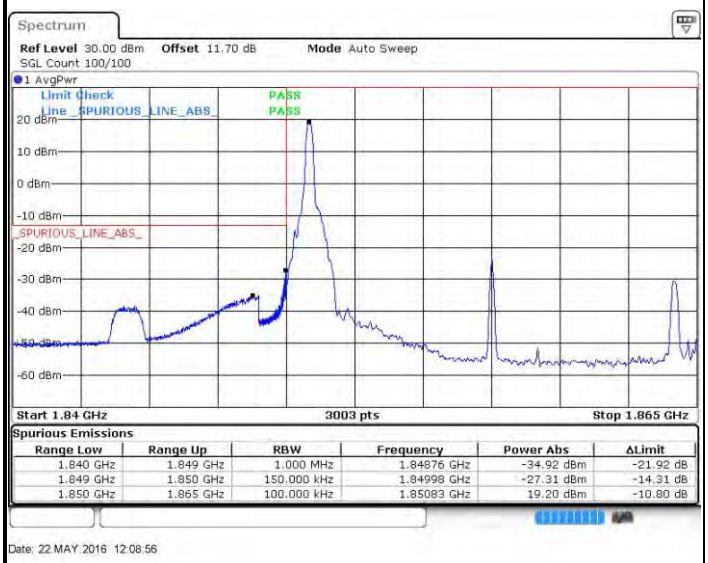
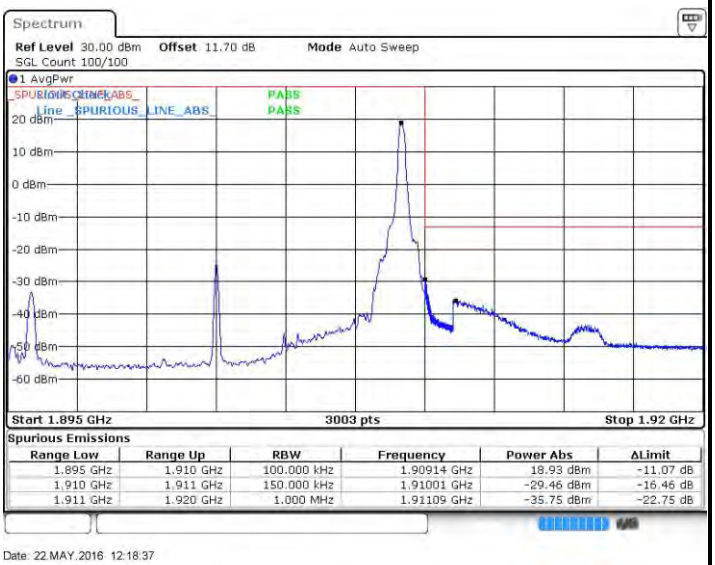
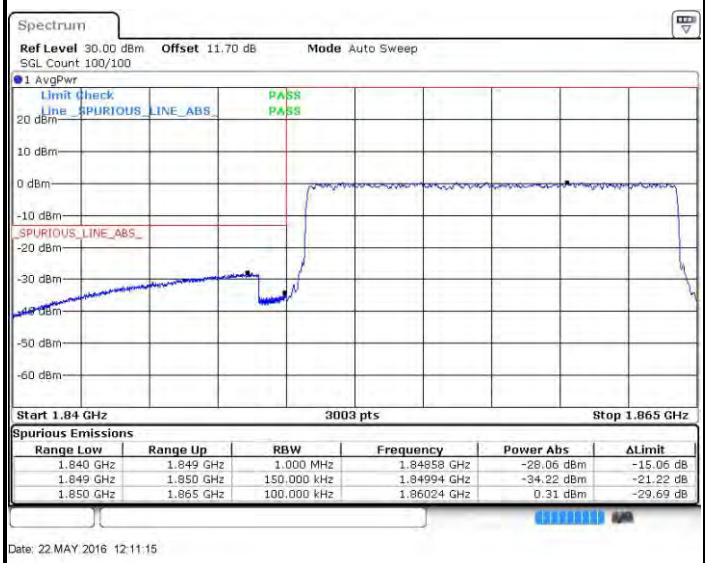
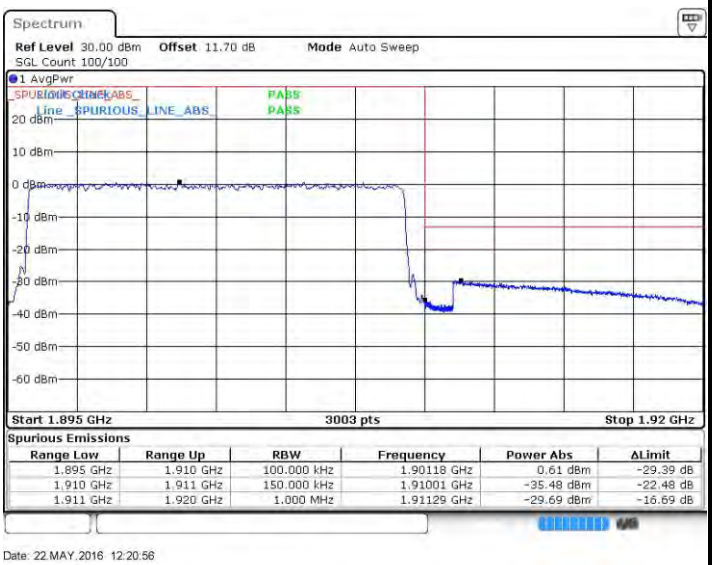


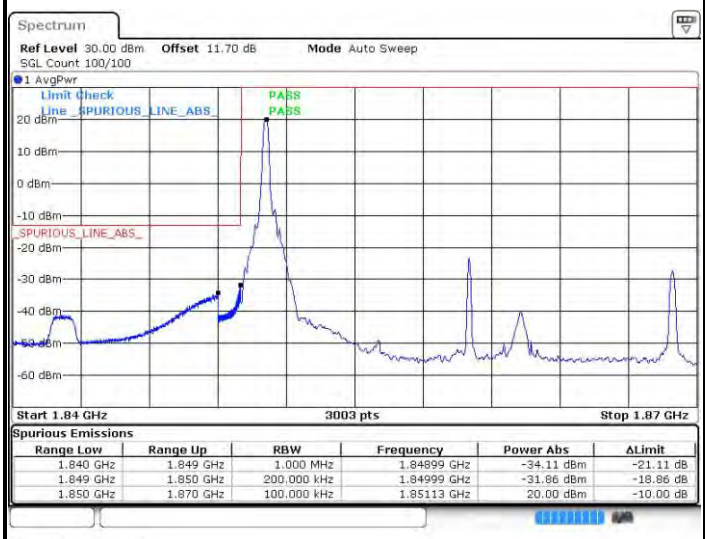
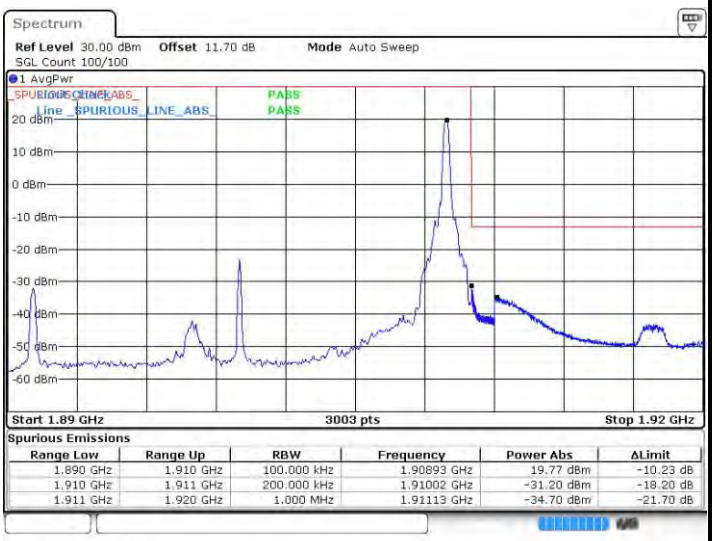
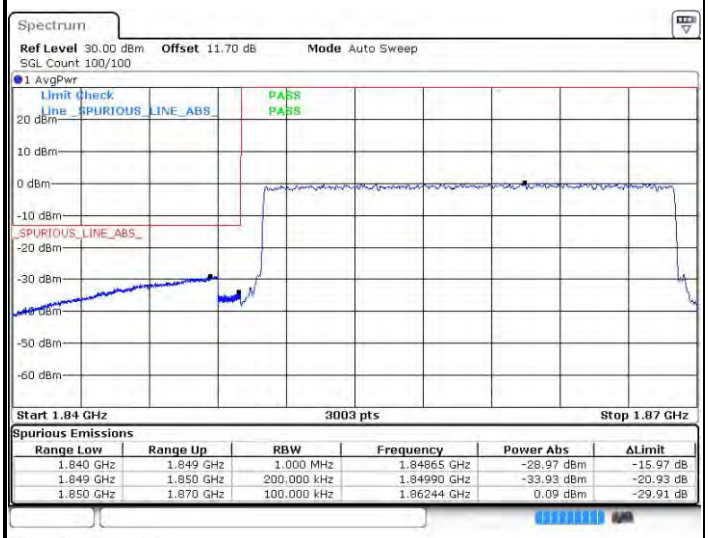
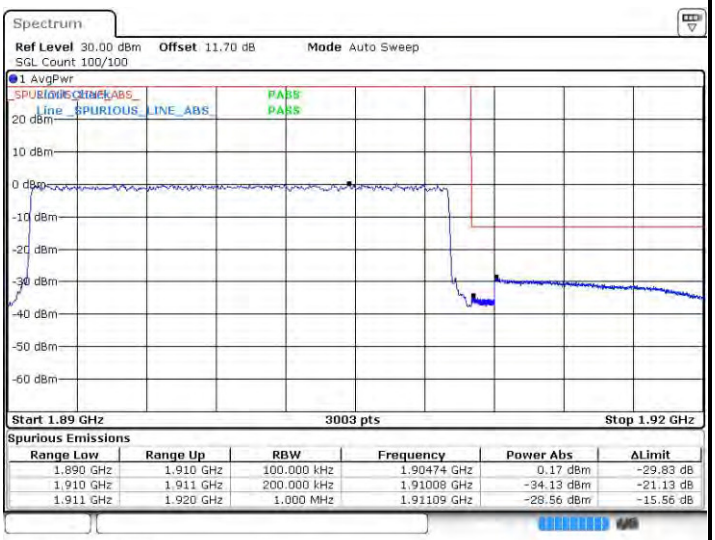
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LTE Band 2 / 10MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 2 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

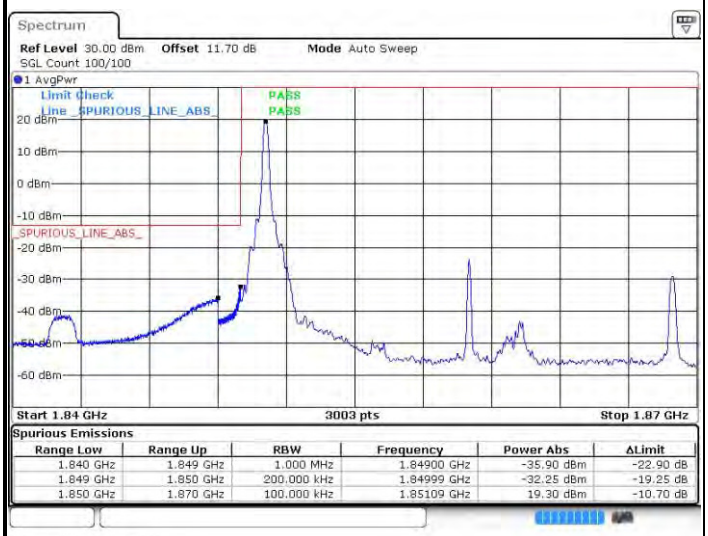
LTE Band 2 / 15MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 2 / 15MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

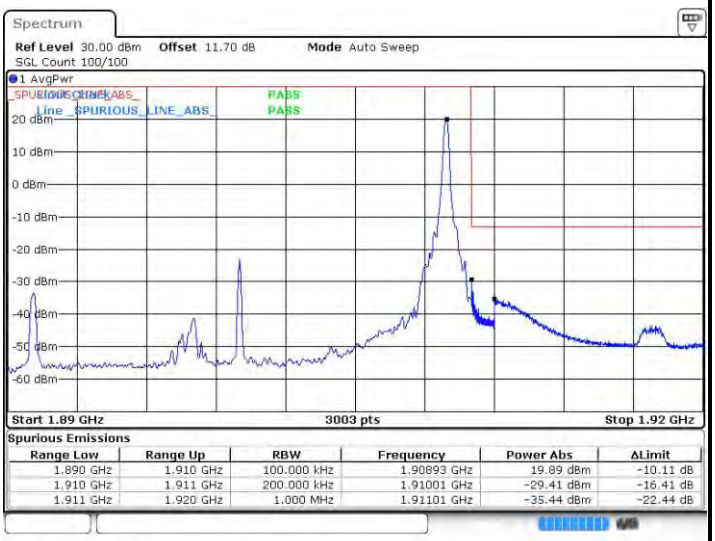
LTE Band 2 / 20MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 2 / 20MHz / 16QAM

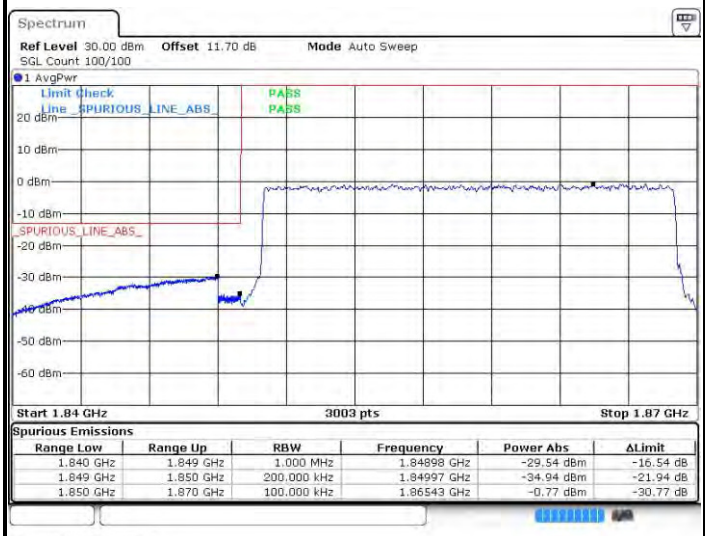
Lowest Band Edge / 1 RB



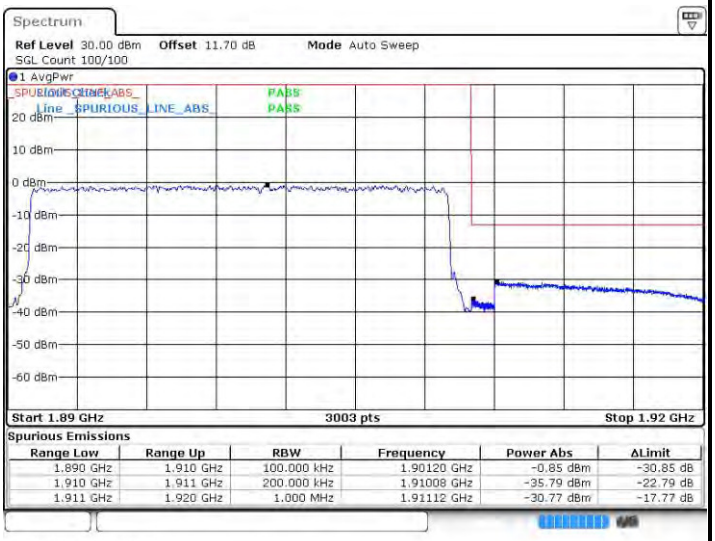
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



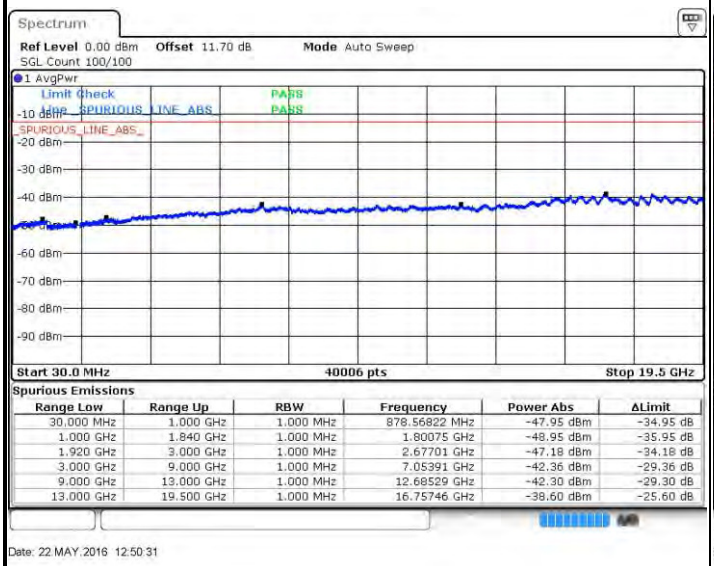
Highest Band Edge / Full RB



Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

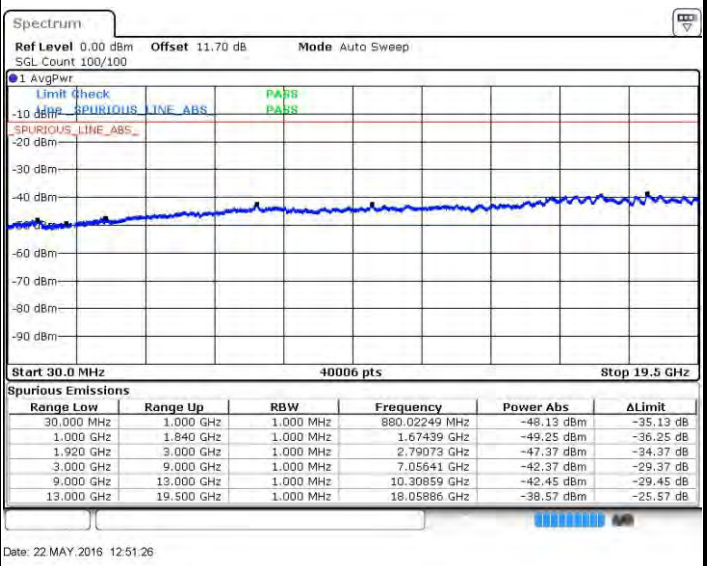


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-47.95 dBm	-34.95 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80075 GHz	-48.95 dBm	-35.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67701 GHz	-47.18 dBm	-34.18 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-42.36 dBm	-29.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68529 GHz	-42.30 dBm	-29.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.75746 GHz	-38.60 dBm	-25.60 dB

Date: 22.MAY.2016 12:50:31

Lowest Channel / 16QAM

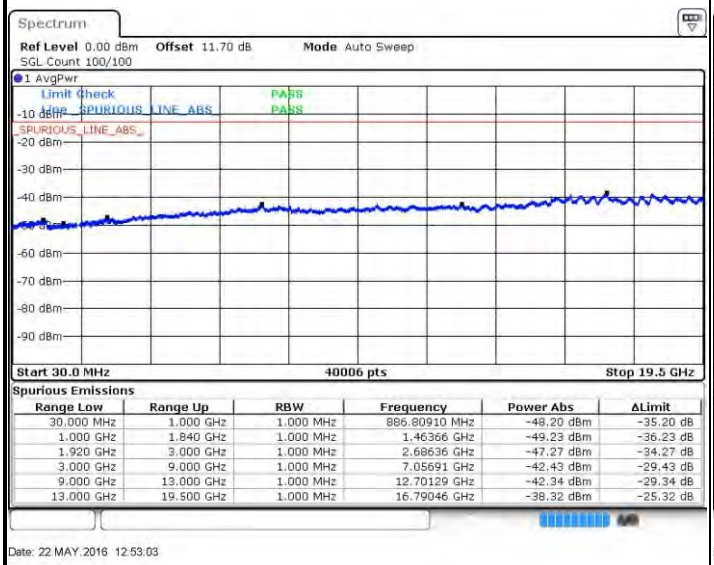


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-48.13 dBm	-35.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67439 GHz	-49.25 dBm	-36.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.79073 GHz	-47.37 dBm	-34.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05641 GHz	-42.37 dBm	-29.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30859 GHz	-42.45 dBm	-29.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.05886 GHz	-38.57 dBm	-25.57 dB

Date: 22.MAY.2016 12:51:26

Middle Channel / QPSK

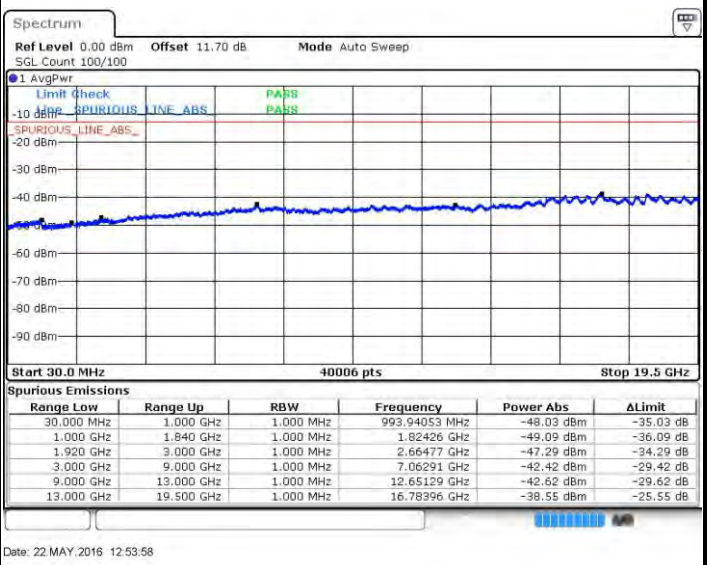


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-48.20 dBm	-35.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.46366 GHz	-49.23 dBm	-36.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68636 GHz	-47.27 dBm	-34.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05691 GHz	-42.43 dBm	-29.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70129 GHz	-42.34 dBm	-29.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.79046 GHz	-38.32 dBm	-25.32 dB

Date: 22.MAY.2016 12:53:03

Middle Channel / 16QAM



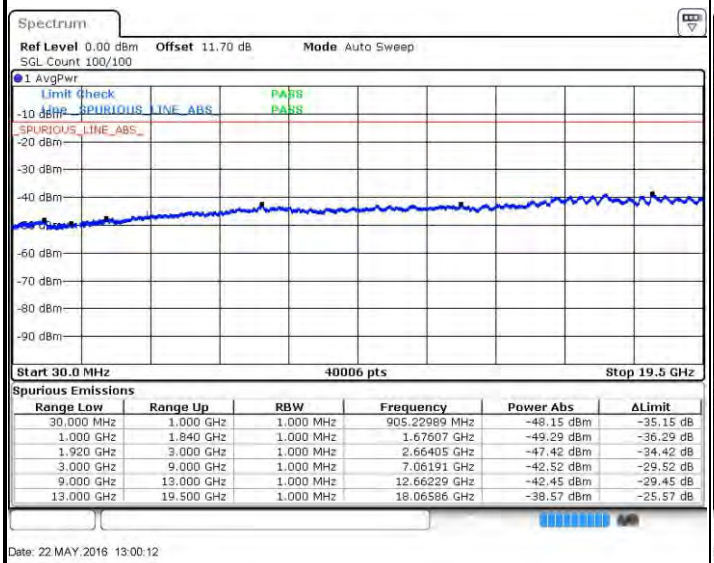
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-48.03 dBm	-35.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82426 GHz	-49.09 dBm	-36.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66477 GHz	-47.29 dBm	-34.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06291 GHz	-42.42 dBm	-29.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65129 GHz	-42.62 dBm	-29.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78396 GHz	-38.55 dBm	-25.55 dB

Date: 22.MAY.2016 12:53:58

LTE Band 2 / 1.4MHz

Highest Channel / QPSK

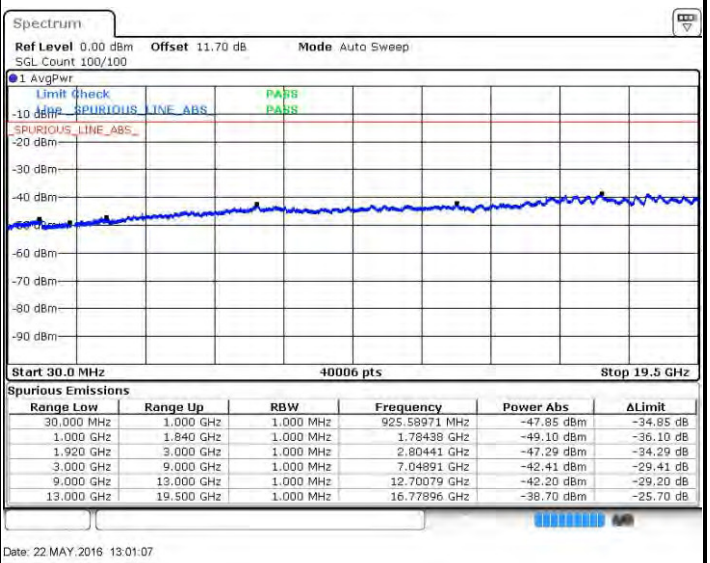


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-48.15 dBm	-35.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67607 GHz	-49.29 dBm	-36.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66405 GHz	-47.42 dBm	-34.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06191 GHz	-42.52 dBm	-29.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66229 GHz	-42.45 dBm	-29.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06586 GHz	-38.57 dBm	-25.57 dB

Date: 22.MAY.2016 13:00:12

Highest Channel / 16QAM



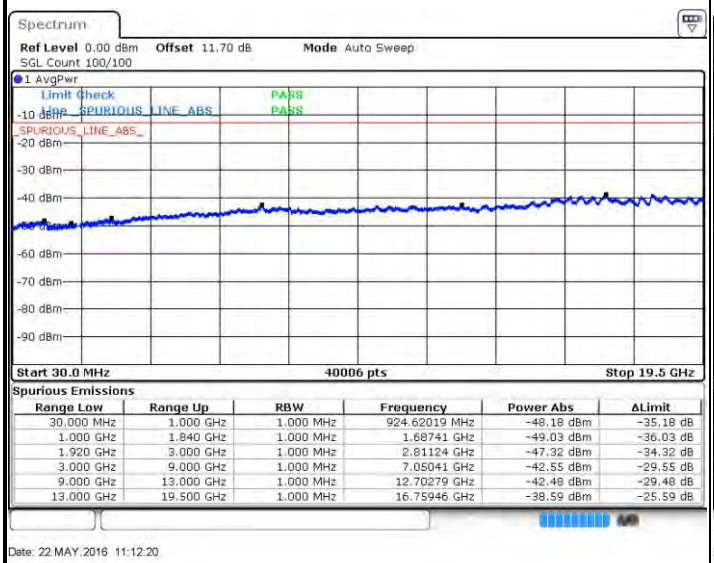
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-47.85 dBm	-34.85 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78438 GHz	-49.10 dBm	-36.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80441 GHz	-47.29 dBm	-34.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04891 GHz	-42.41 dBm	-29.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70079 GHz	-42.20 dBm	-29.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77896 GHz	-38.70 dBm	-25.70 dB

Date: 22.MAY.2016 13:01:07

LTE Band 2 / 3MHz

Lowest Channel / QPSK

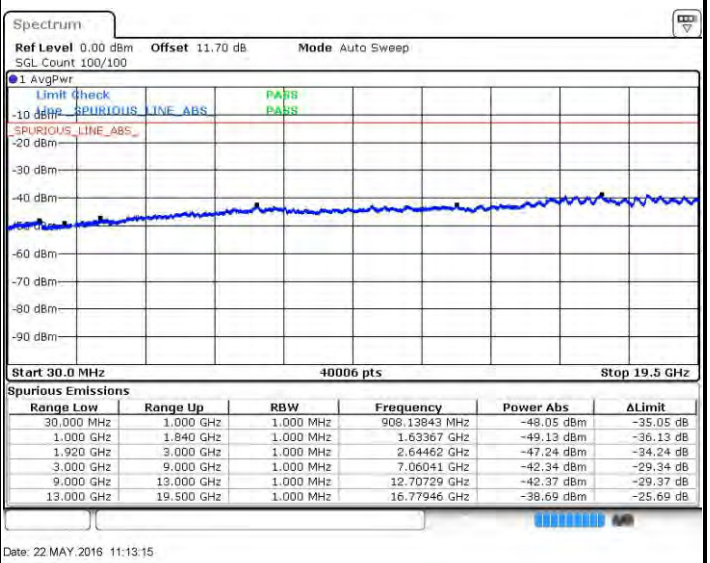


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-48.18 dBm	-35.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68741 GHz	-49.03 dBm	-36.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81124 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05041 GHz	-42.55 dBm	-29.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70279 GHz	-42.48 dBm	-29.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.75946 GHz	-38.59 dBm	-25.59 dB

Date: 22.MAY.2016 11:12:20

Lowest Channel / 16QAM



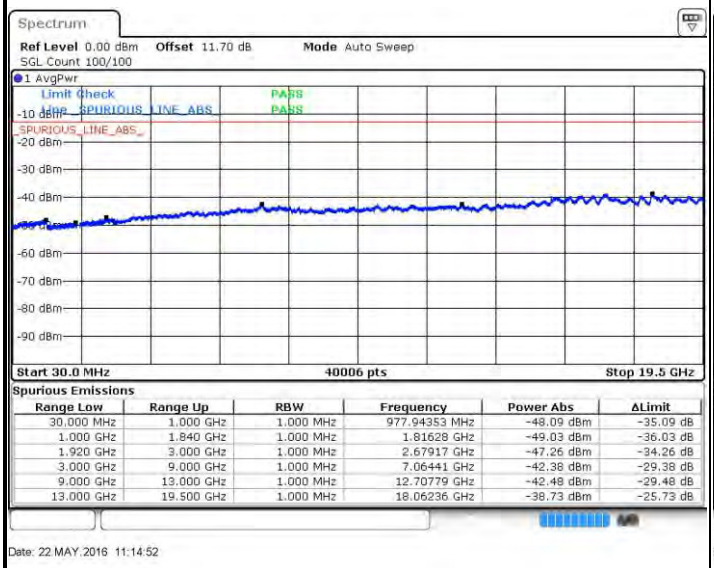
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.13843 MHz	-48.05 dBm	-35.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63367 GHz	-49.13 dBm	-36.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64462 GHz	-47.24 dBm	-34.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06041 GHz	-42.34 dBm	-29.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70729 GHz	-42.37 dBm	-29.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77946 GHz	-38.69 dBm	-25.69 dB

Date: 22.MAY.2016 11:13:15

LTE Band 2 / 3MHz

Middle Channel / QPSK

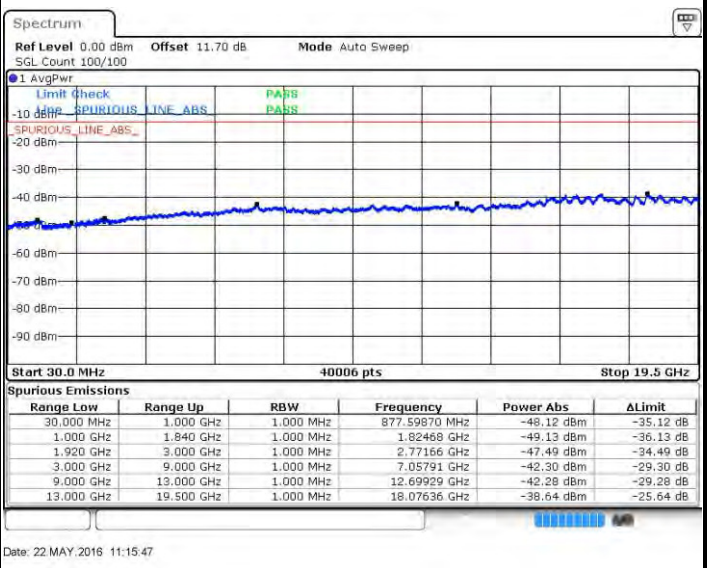


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-48.09 dBm	-35.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81628 GHz	-49.03 dBm	-36.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67917 GHz	-47.26 dBm	-34.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06441 GHz	-42.38 dBm	-29.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70779 GHz	-42.48 dBm	-29.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06236 GHz	-38.73 dBm	-25.73 dB

Date: 22.MAY.2016 11:14:52

Middle Channel / 16QAM

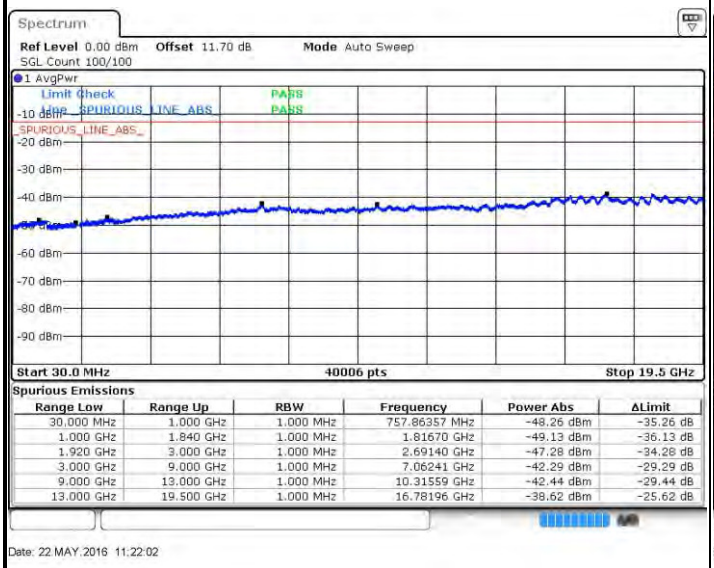


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-48.12 dBm	-35.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82468 GHz	-49.13 dBm	-36.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.77166 GHz	-47.49 dBm	-34.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05791 GHz	-42.30 dBm	-29.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69929 GHz	-42.28 dBm	-29.28 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07636 GHz	-38.64 dBm	-25.64 dB

Date: 22.MAY.2016 11:15:47

Highest Channel / QPSK

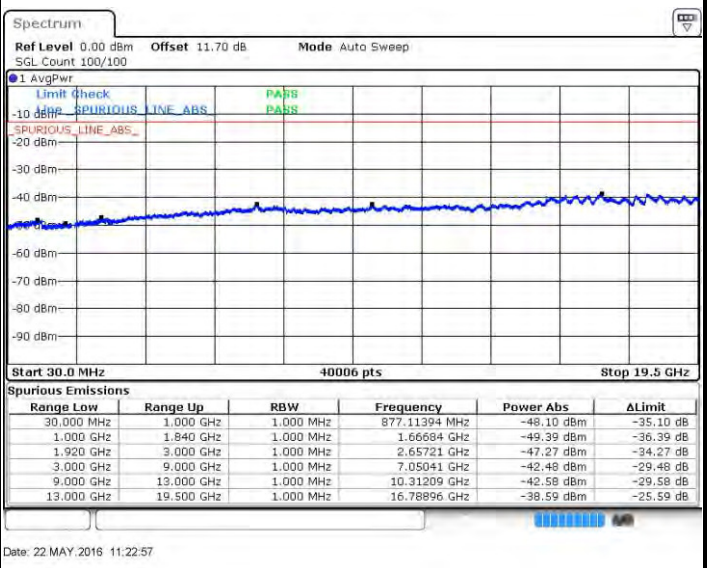


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	757.86357 MHz	-48.26 dBm	-35.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81670 GHz	-49.13 dBm	-36.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69140 GHz	-47.28 dBm	-34.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06241 GHz	-42.29 dBm	-29.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31559 GHz	-42.44 dBm	-29.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78196 GHz	-38.62 dBm	-25.62 dB

Date: 22.MAY.2016 11:22:02

Highest Channel / 16QAM



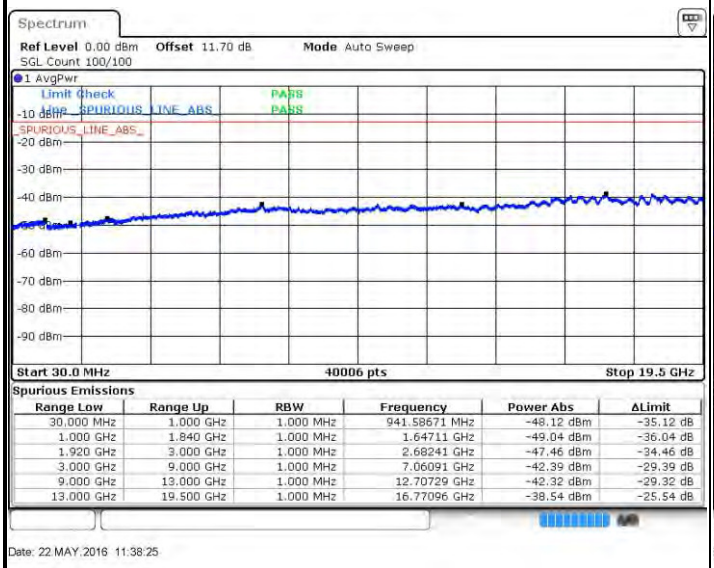
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.11394 MHz	-48.10 dBm	-35.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66684 GHz	-49.39 dBm	-36.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65721 GHz	-47.27 dBm	-34.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05041 GHz	-42.48 dBm	-29.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31209 GHz	-42.58 dBm	-29.58 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78896 GHz	-38.59 dBm	-25.59 dB

Date: 22.MAY.2016 11:22:57

LTE Band 2 / 5MHz

Lowest Channel / QPSK

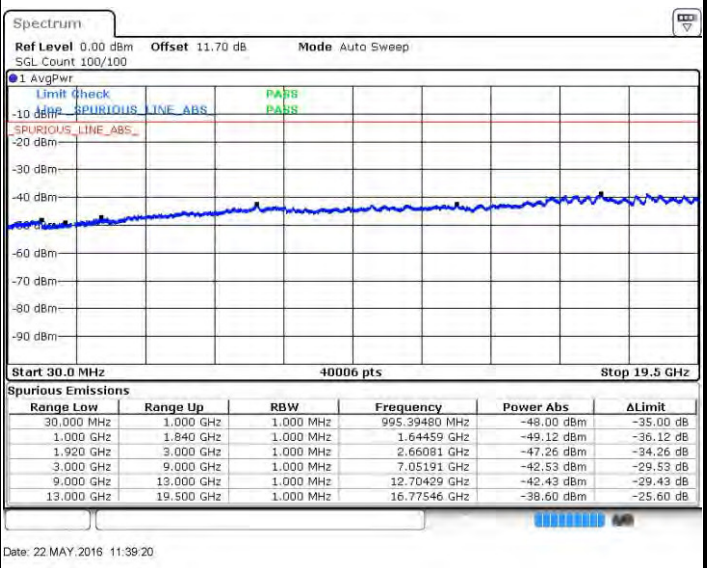


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.58671 MHz	-48.12 dBm	-35.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64711 GHz	-49.04 dBm	-36.04 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68241 GHz	-47.46 dBm	-34.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06091 GHz	-42.39 dBm	-29.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70729 GHz	-42.32 dBm	-29.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77096 GHz	-38.54 dBm	-25.54 dB

Date: 22.MAY.2016 11:38:25

Lowest Channel / 16QAM

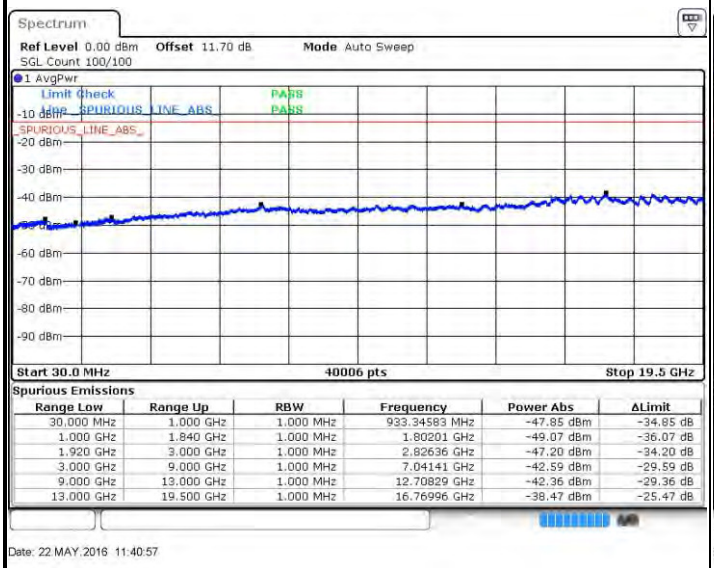


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.39480 MHz	-48.00 dBm	-35.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64459 GHz	-49.12 dBm	-36.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66081 GHz	-47.26 dBm	-34.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05191 GHz	-42.53 dBm	-29.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70429 GHz	-42.43 dBm	-29.43 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77546 GHz	-38.60 dBm	-25.60 dB

Date: 22.MAY.2016 11:39:20

Middle Channel / QPSK

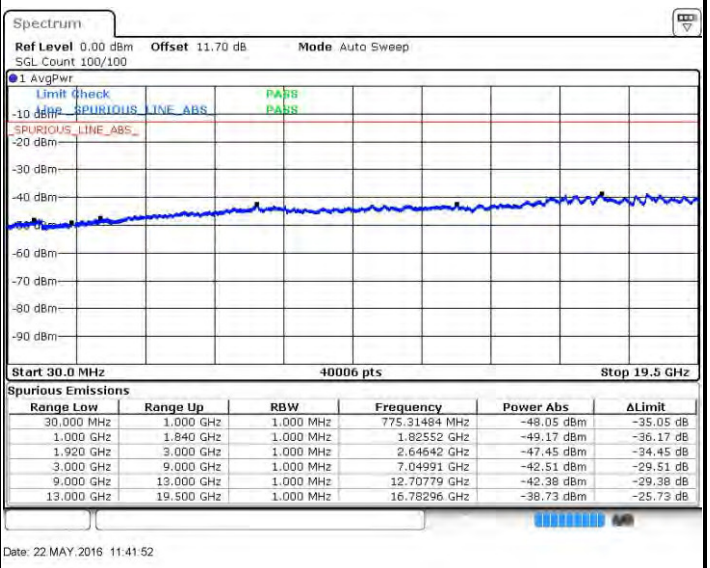


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.34583 MHz	-47.85 dBm	-34.85 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80201 GHz	-49.07 dBm	-36.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82636 GHz	-47.20 dBm	-34.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04141 GHz	-42.59 dBm	-29.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-42.36 dBm	-29.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76996 GHz	-38.47 dBm	-25.47 dB

Date: 22.MAY.2016 11:40:57

Middle Channel / 16QAM



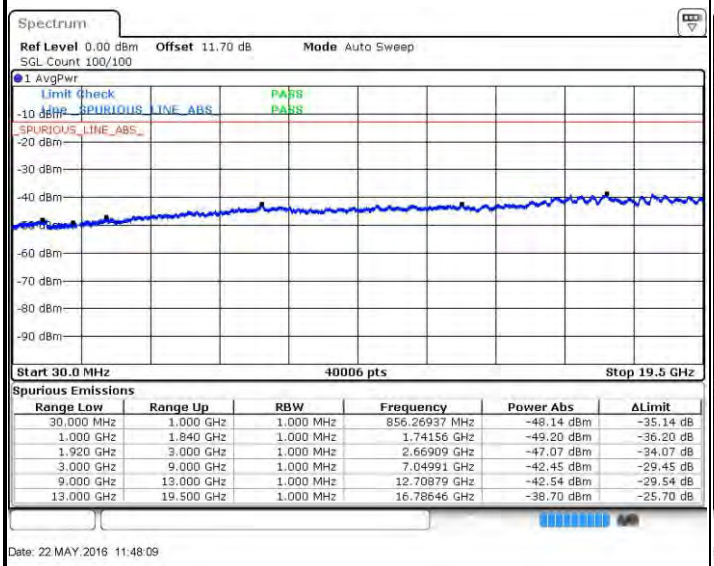
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	775.31484 MHz	-48.05 dBm	-35.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82552 GHz	-49.17 dBm	-36.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64642 GHz	-47.45 dBm	-34.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04991 GHz	-42.51 dBm	-29.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70779 GHz	-42.38 dBm	-29.38 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78296 GHz	-38.73 dBm	-25.73 dB

Date: 22.MAY.2016 11:41:52

LTE Band 2 / 5MHz

Highest Channel / QPSK

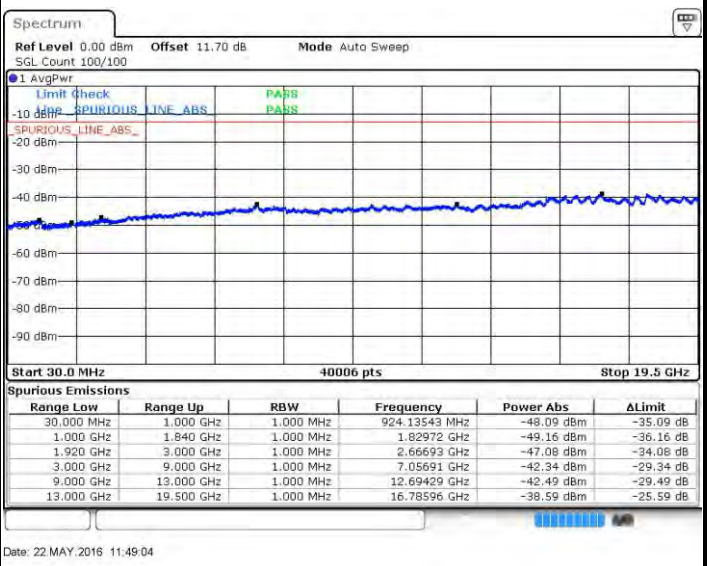


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.26937 MHz	-48.14 dBm	-35.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74156 GHz	-49.20 dBm	-36.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66909 GHz	-47.07 dBm	-34.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04991 GHz	-42.45 dBm	-29.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70879 GHz	-42.54 dBm	-29.54 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78646 GHz	-38.70 dBm	-25.70 dB

Date: 22.MAY.2016 11:48:09

Highest Channel / 16QAM



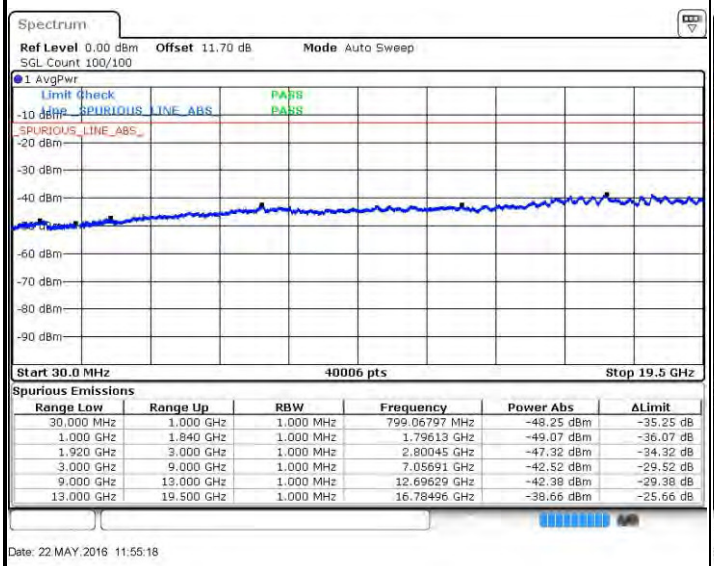
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.13543 MHz	-48.09 dBm	-35.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82972 GHz	-49.16 dBm	-36.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66693 GHz	-47.08 dBm	-34.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05691 GHz	-42.34 dBm	-29.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69429 GHz	-42.49 dBm	-29.49 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78596 GHz	-38.59 dBm	-25.59 dB

Date: 22.MAY.2016 11:49:04

LTE Band 2 / 10MHz

Lowest Channel / QPSK

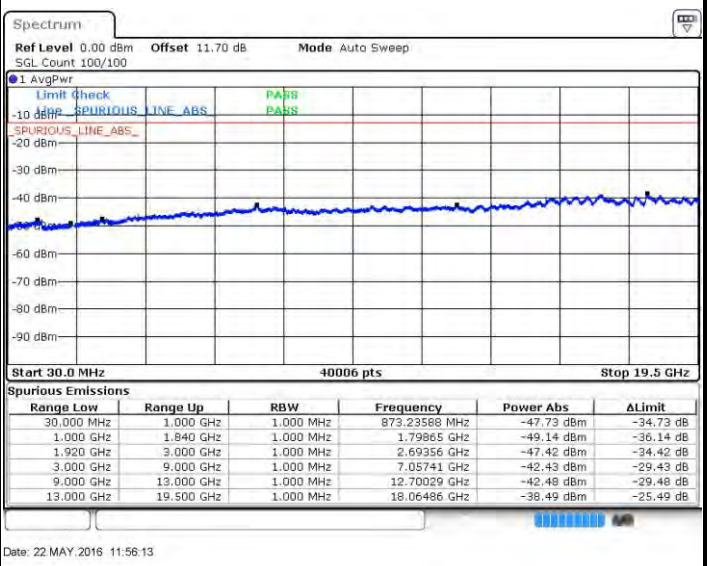


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	799.06797 MHz	-48.25 dBm	-35.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79613 GHz	-49.07 dBm	-36.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80045 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05691 GHz	-42.52 dBm	-29.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69629 GHz	-42.38 dBm	-29.38 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78496 GHz	-38.66 dBm	-25.66 dB

Date: 22.MAY.2016 11:55:18

Lowest Channel / 16QAM



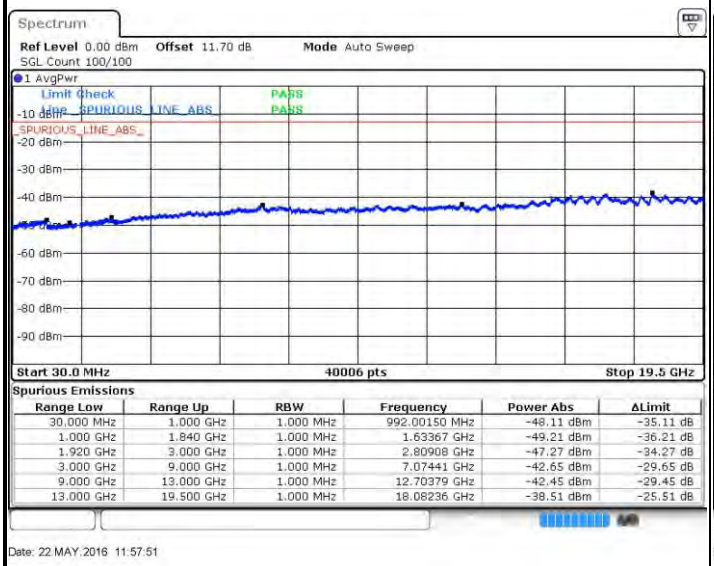
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.23588 MHz	-47.73 dBm	-34.73 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79865 GHz	-49.14 dBm	-36.14 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69356 GHz	-47.42 dBm	-34.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05741 GHz	-42.43 dBm	-29.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70029 GHz	-42.48 dBm	-29.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06486 GHz	-38.49 dBm	-25.49 dB

Date: 22.MAY.2016 11:56:13

LTE Band 2 / 10MHz

Middle Channel / QPSK

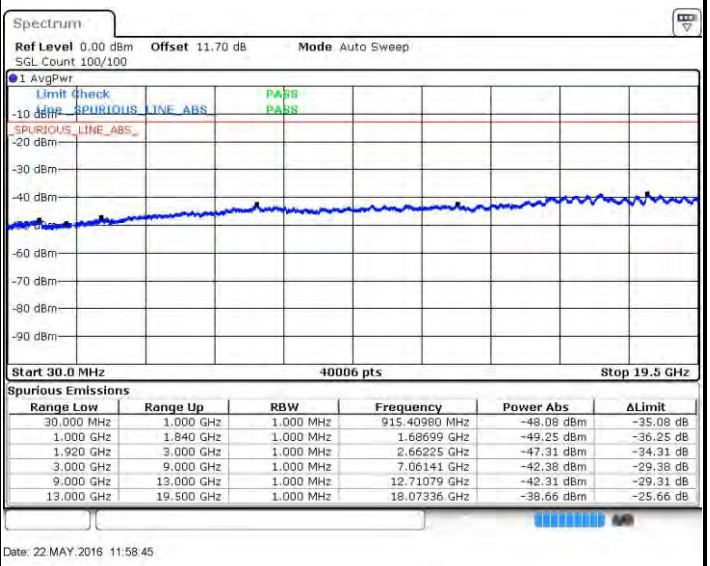


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.00150 MHz	-48.11 dBm	-35.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63367 GHz	-49.21 dBm	-36.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80908 GHz	-47.27 dBm	-34.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07441 GHz	-42.65 dBm	-29.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-42.45 dBm	-29.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.08236 GHz	-38.51 dBm	-25.51 dB

Date: 22.MAY.2016 11:57:51

Middle Channel / 16QAM

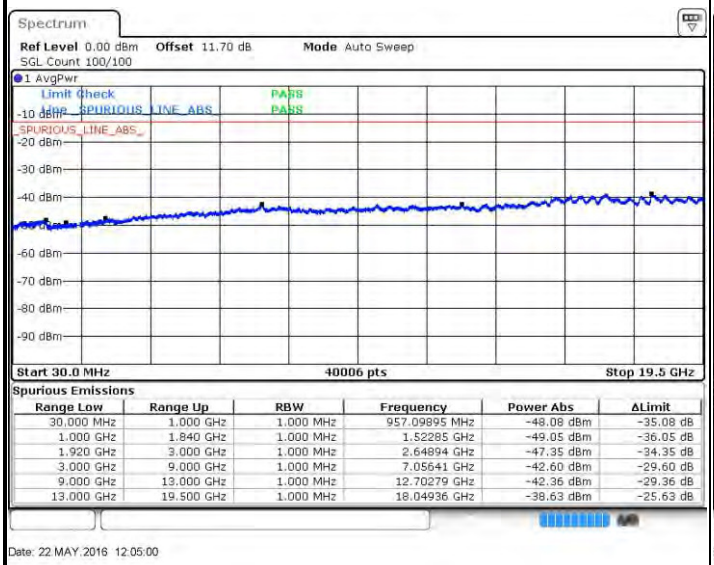


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-48.08 dBm	-35.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68699 GHz	-49.25 dBm	-36.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66225 GHz	-47.31 dBm	-34.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06141 GHz	-42.38 dBm	-29.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71079 GHz	-42.31 dBm	-29.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07336 GHz	-38.66 dBm	-25.66 dB

Date: 22.MAY.2016 11:58:45

Highest Channel / QPSK

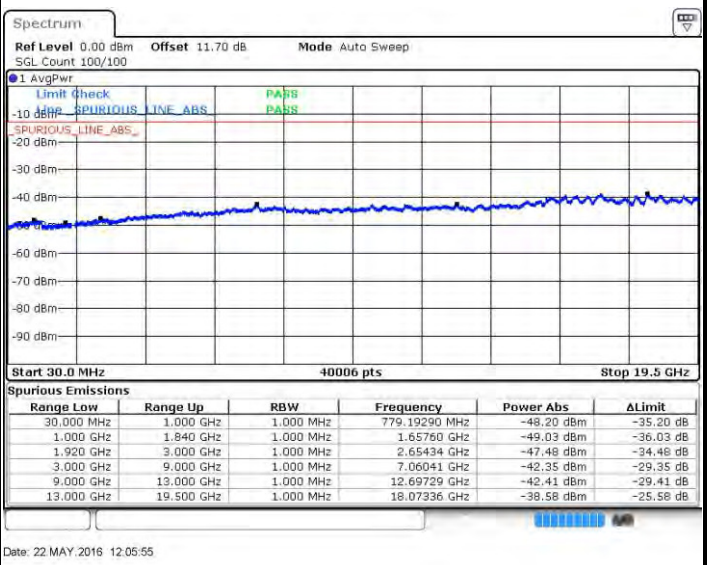


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-48.08 dBm	-35.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.52285 GHz	-49.05 dBm	-36.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64894 GHz	-47.35 dBm	-34.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05641 GHz	-42.60 dBm	-29.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70279 GHz	-42.36 dBm	-29.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.04936 GHz	-38.63 dBm	-25.63 dB

Date: 22.MAY.2016 12:05:00

Highest Channel / 16QAM



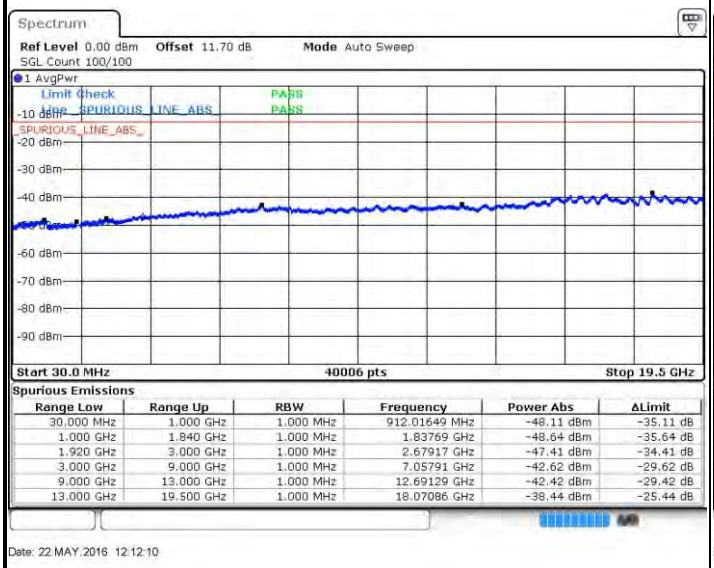
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	779.19290 MHz	-48.20 dBm	-35.20 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65760 GHz	-49.03 dBm	-36.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65434 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06041 GHz	-42.35 dBm	-29.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69729 GHz	-42.41 dBm	-29.41 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07336 GHz	-38.58 dBm	-25.58 dB

Date: 22.MAY.2016 12:05:55

LTE Band 2 / 15MHz

Lowest Channel / QPSK

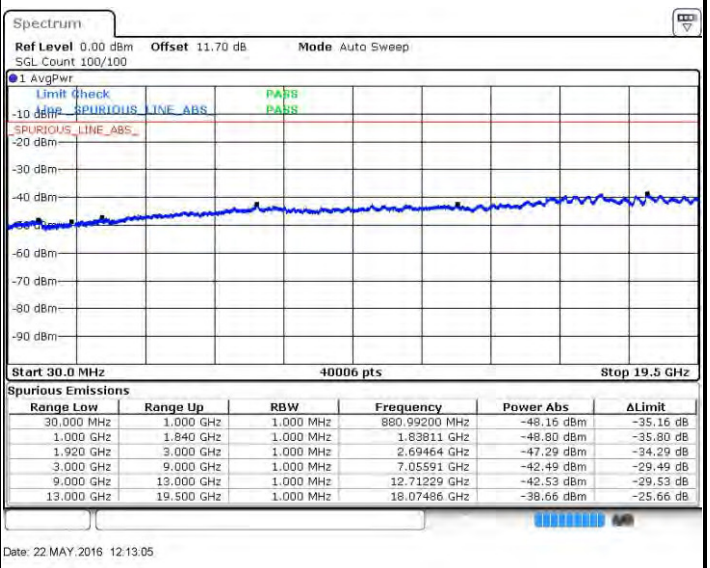


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-48.11 dBm	-35.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-48.64 dBm	-35.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67917 GHz	-47.41 dBm	-34.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05791 GHz	-42.62 dBm	-29.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69129 GHz	-42.42 dBm	-29.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07086 GHz	-38.44 dBm	-25.44 dB

Date: 22.MAY.2016 12:12:10

Lowest Channel / 16QAM

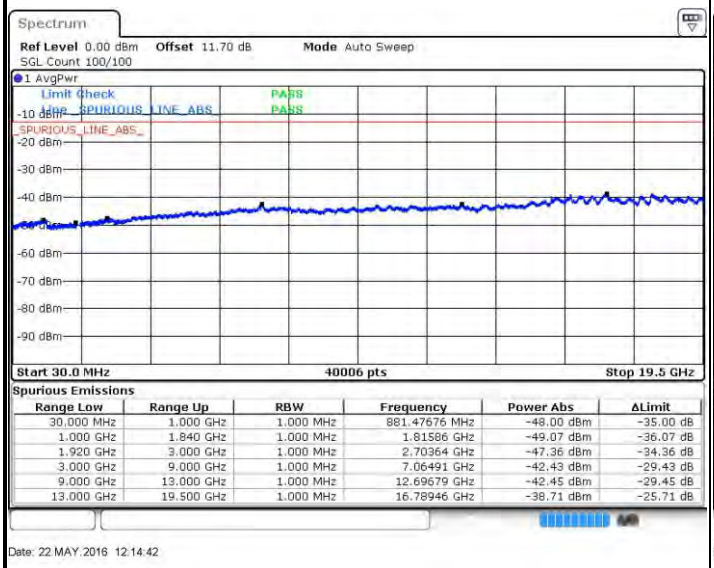


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.99200 MHz	-48.16 dBm	-35.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-48.80 dBm	-35.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69464 GHz	-47.29 dBm	-34.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05591 GHz	-42.49 dBm	-29.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71229 GHz	-42.53 dBm	-29.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07486 GHz	-38.66 dBm	-25.66 dB

Date: 22.MAY.2016 12:13:05

Middle Channel / QPSK

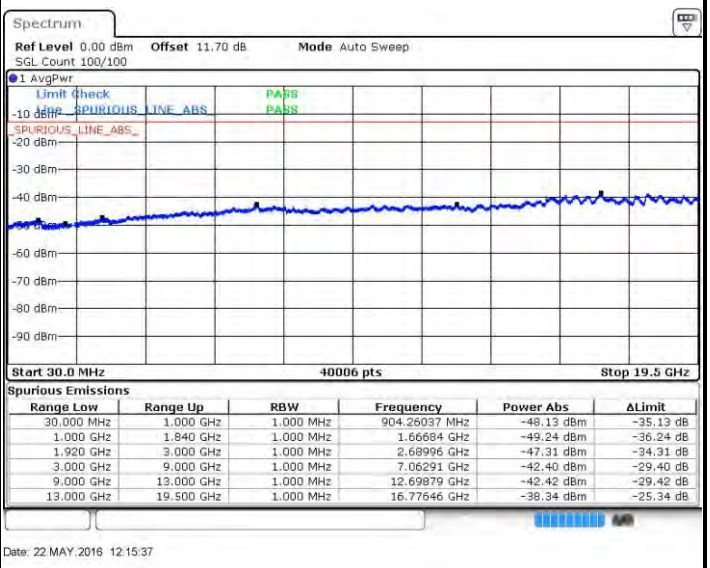


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.47676 MHz	-48.00 dBm	-35.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81586 GHz	-49.07 dBm	-36.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.70364 GHz	-47.36 dBm	-34.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06491 GHz	-42.43 dBm	-29.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-42.45 dBm	-29.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78946 GHz	-38.71 dBm	-25.71 dB

Date: 22.MAY.2016 12:14:42

Middle Channel / 16QAM



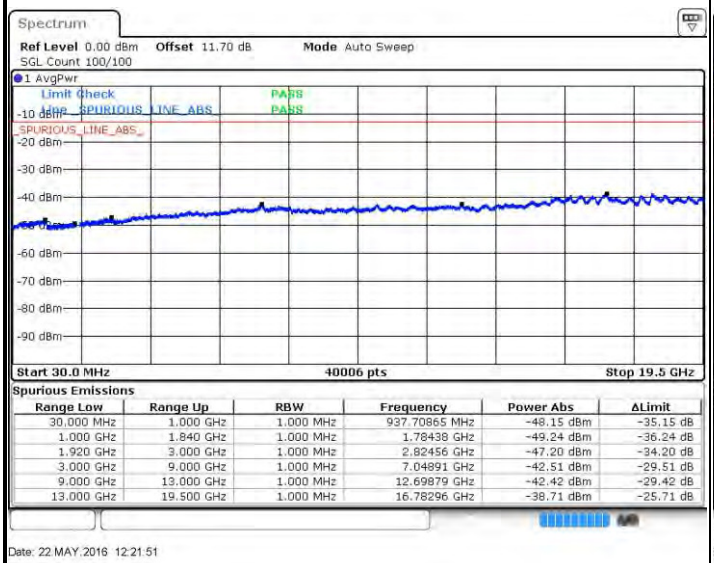
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-48.13 dBm	-35.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66684 GHz	-49.24 dBm	-36.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68996 GHz	-47.31 dBm	-34.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06291 GHz	-42.40 dBm	-29.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-42.42 dBm	-29.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77646 GHz	-38.34 dBm	-25.34 dB

Date: 22.MAY.2016 12:15:37

LTE Band 2 / 15MHz

Highest Channel / QPSK

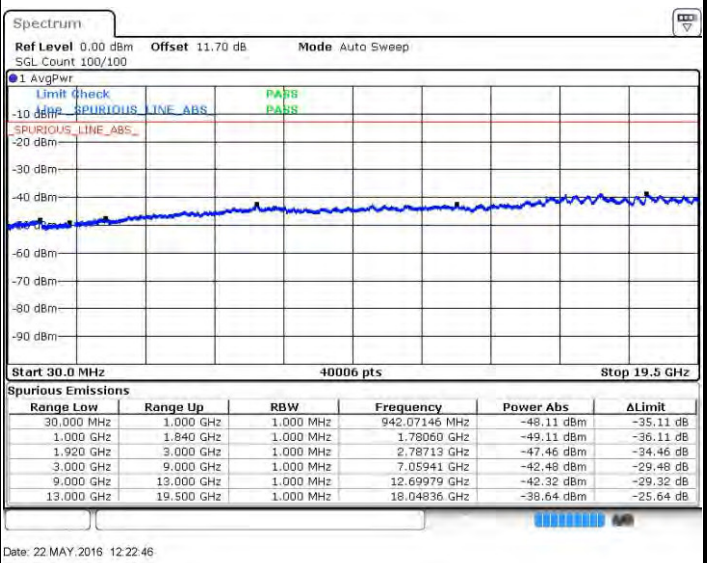


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-48.15 dBm	-35.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78438 GHz	-49.24 dBm	-36.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82456 GHz	-47.20 dBm	-34.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04891 GHz	-42.51 dBm	-29.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-42.42 dBm	-29.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78296 GHz	-38.71 dBm	-25.71 dB

Date: 22.MAY.2016 12:21:51

Highest Channel / 16QAM



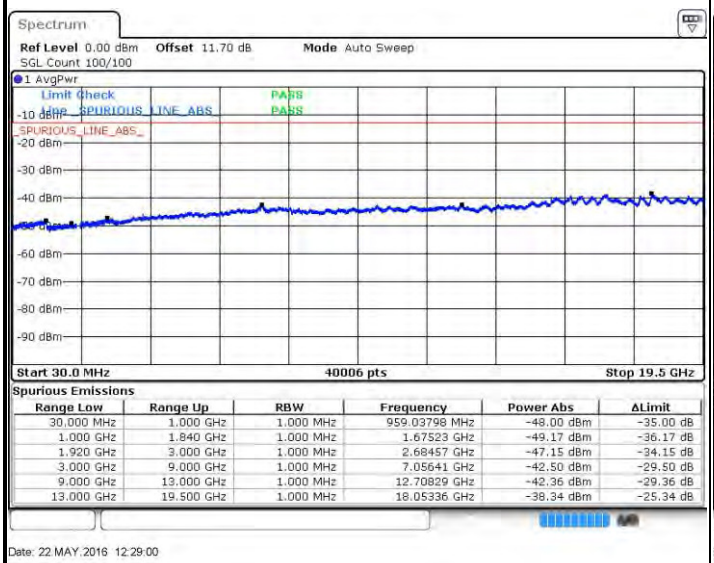
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-48.11 dBm	-35.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78060 GHz	-49.11 dBm	-36.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.78713 GHz	-47.46 dBm	-34.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05941 GHz	-42.48 dBm	-29.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69979 GHz	-42.32 dBm	-29.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.04836 GHz	-38.64 dBm	-25.64 dB

Date: 22.MAY.2016 12:22:46

LTE Band 2 / 20MHz

Lowest Channel / QPSK

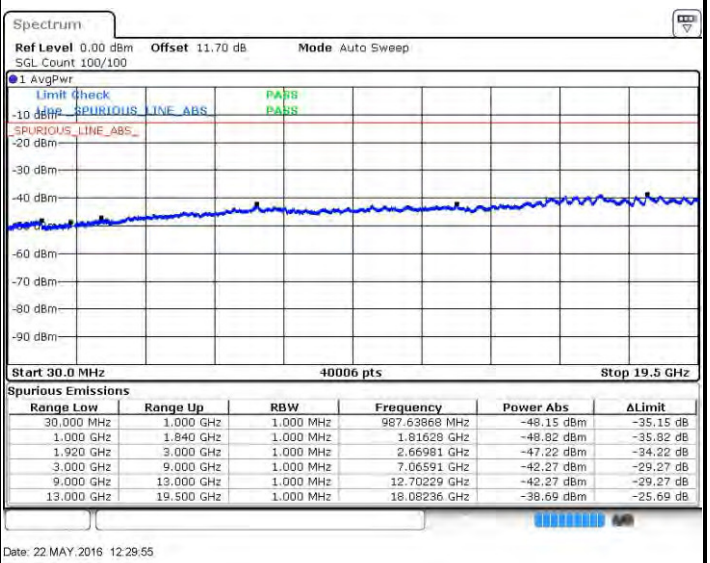


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-48.00 dBm	-35.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67523 GHz	-49.17 dBm	-36.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68457 GHz	-47.15 dBm	-34.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05641 GHz	-42.50 dBm	-29.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-42.36 dBm	-29.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.05336 GHz	-38.34 dBm	-25.34 dB

Date: 22.MAY.2016 12:29:00

Lowest Channel / 16QAM



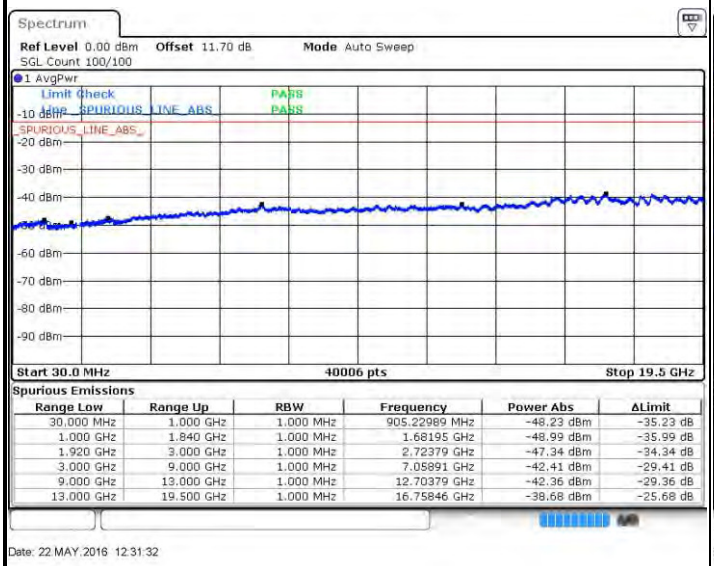
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.63868 MHz	-48.15 dBm	-35.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81628 GHz	-48.82 dBm	-35.82 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66981 GHz	-47.22 dBm	-34.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06591 GHz	-42.27 dBm	-29.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-42.27 dBm	-29.27 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.08236 GHz	-38.69 dBm	-25.69 dB

Date: 22.MAY.2016 12:29:55

LTE Band 2 / 20MHz

Middle Channel / QPSK

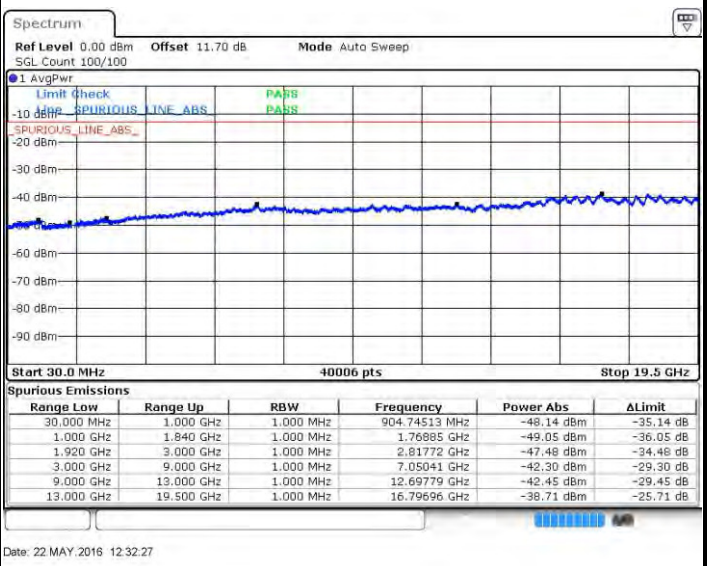


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-48.23 dBm	-35.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68195 GHz	-48.99 dBm	-35.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.72379 GHz	-47.34 dBm	-34.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05891 GHz	-42.41 dBm	-29.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-42.36 dBm	-29.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.75846 GHz	-38.68 dBm	-25.68 dB

Date: 22.MAY.2016 12:31:32

Middle Channel / 16QAM

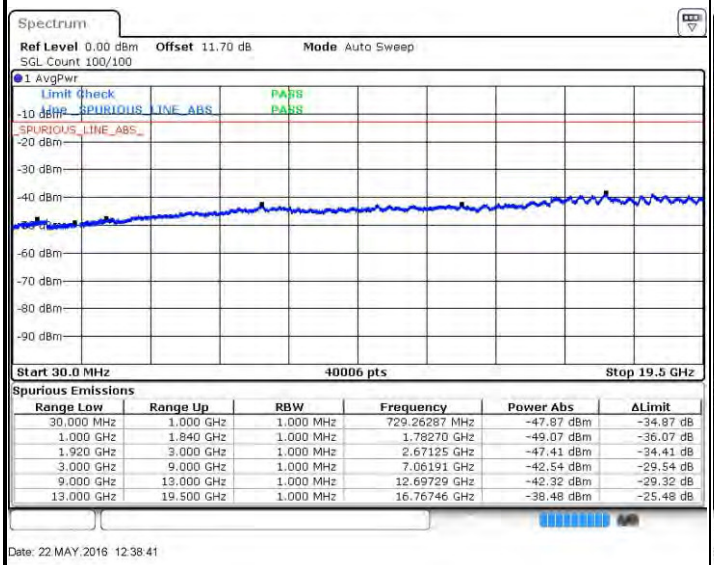


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-48.14 dBm	-35.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76885 GHz	-49.05 dBm	-36.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81772 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05041 GHz	-42.30 dBm	-29.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-42.45 dBm	-29.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.79696 GHz	-38.71 dBm	-25.71 dB

Date: 22.MAY.2016 12:32:27

Highest Channel / QPSK

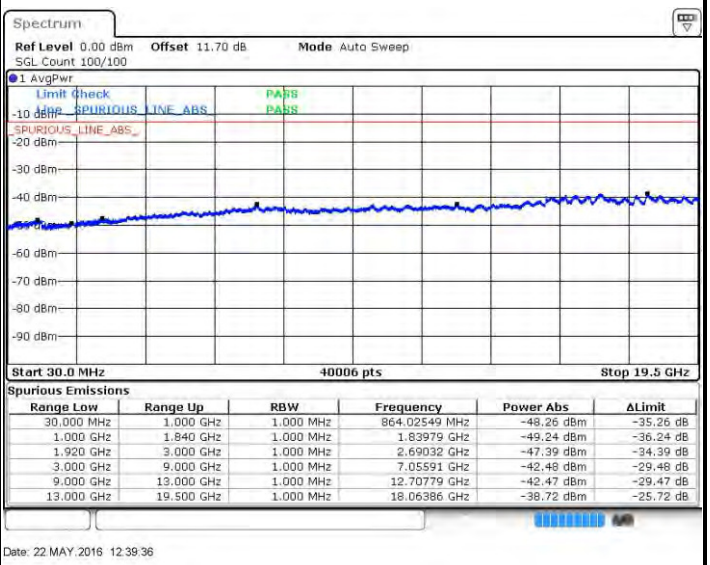


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	729.26287 MHz	-47.87 dBm	-34.87 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78270 GHz	-49.07 dBm	-36.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67125 GHz	-47.41 dBm	-34.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06191 GHz	-42.54 dBm	-29.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69729 GHz	-42.32 dBm	-29.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76746 GHz	-38.48 dBm	-25.48 dB

Date: 22.MAY.2016 12:38:41

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.02549 MHz	-48.26 dBm	-35.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.24 dBm	-36.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69032 GHz	-47.39 dBm	-34.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05591 GHz	-42.48 dBm	-29.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70779 GHz	-42.47 dBm	-29.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06386 GHz	-38.72 dBm	-25.72 dB

Date: 22.MAY.2016 12:39:36

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0085	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0091	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0085	

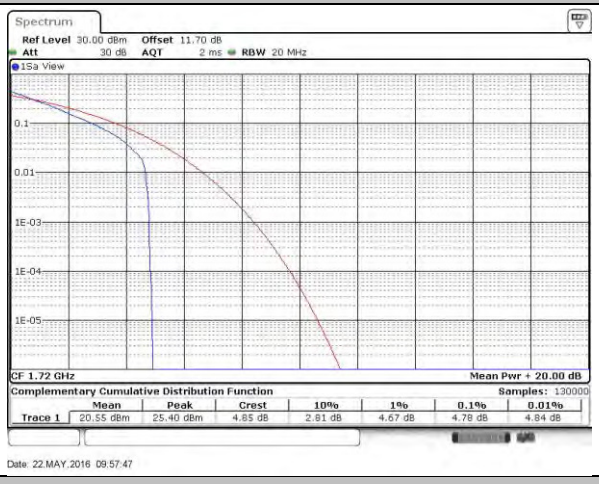
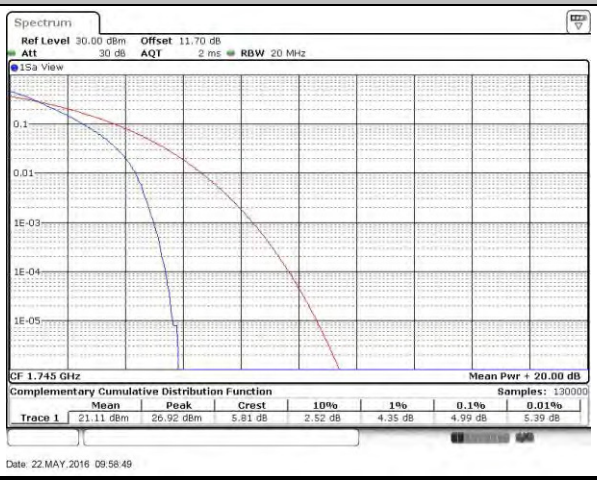
Note:

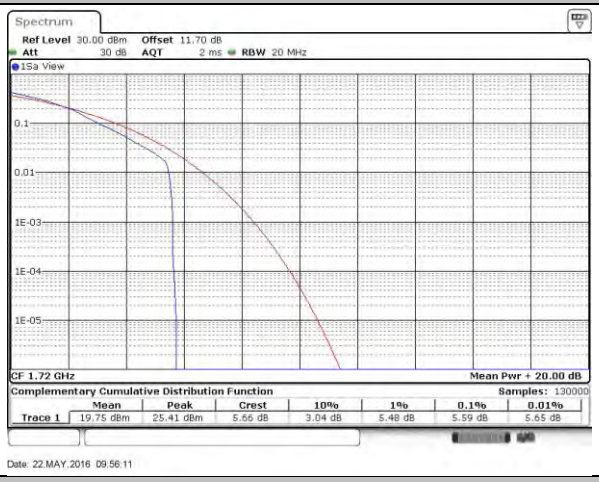
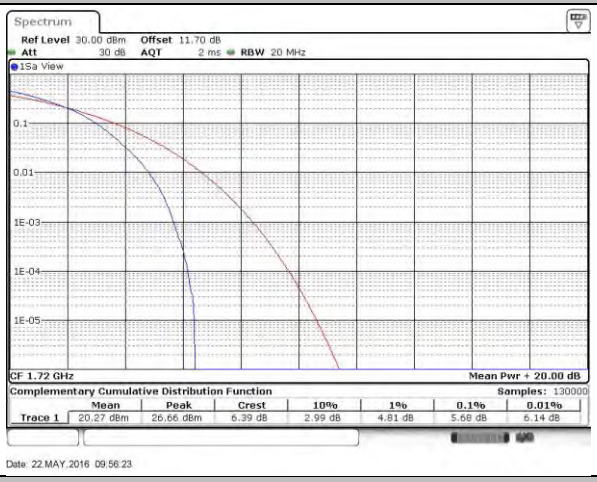
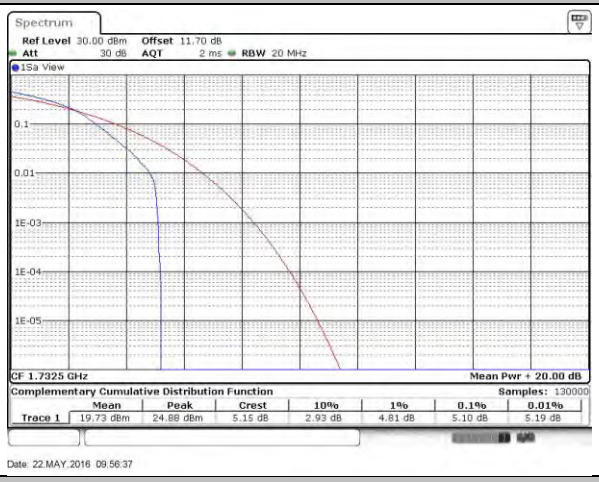
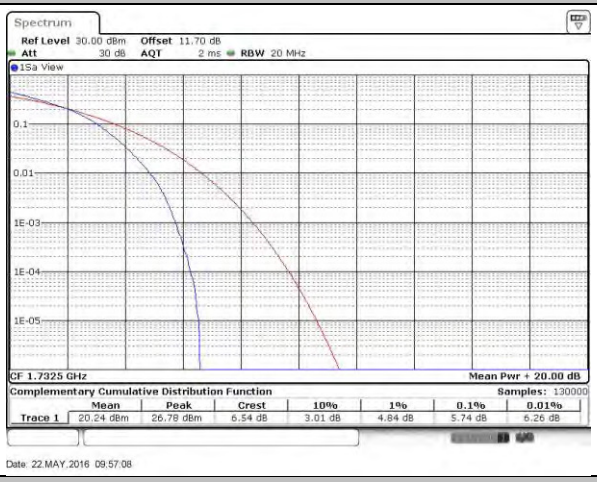
1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.3 V.；Maximum Voltage =4.4 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 4

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.78	4.75	5.59	5.68	PASS
Middle CH	4.06	4.9	5.1	5.74	
Highest CH	4.67	4.99	5.51	6	

LTE Band 4 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

LTE Band 4 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
