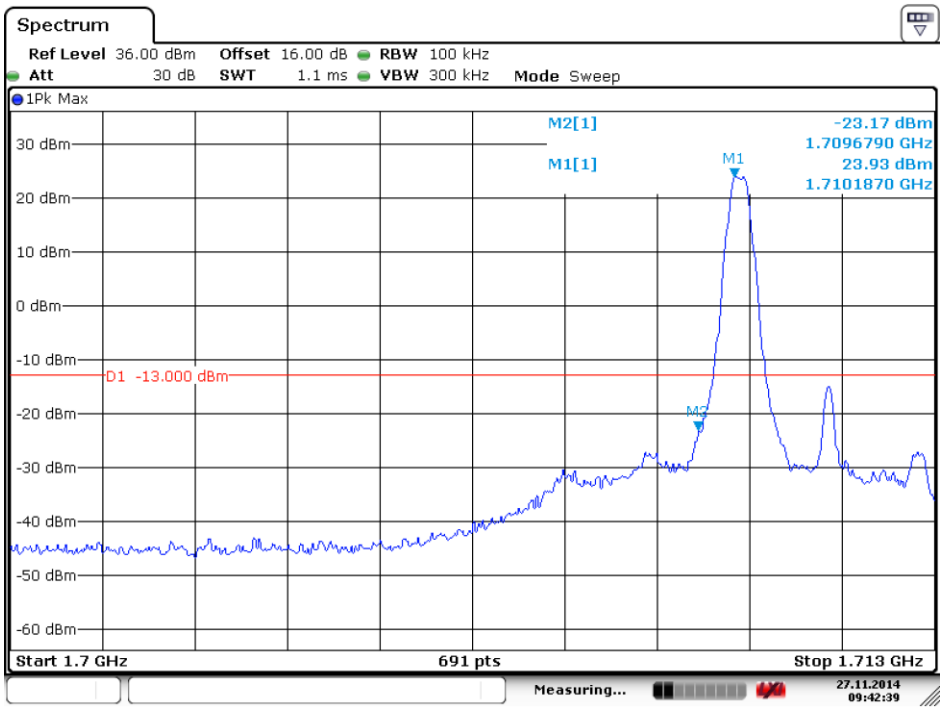
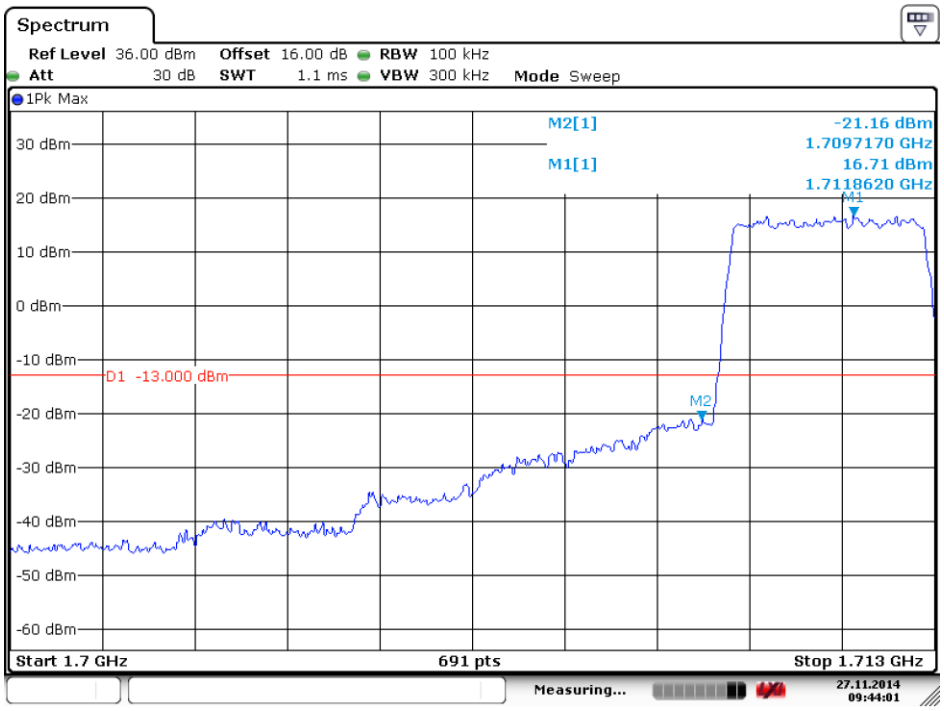
Band	LTE Band 4	Modulation	16QAM
Bandwidth	3MHz		



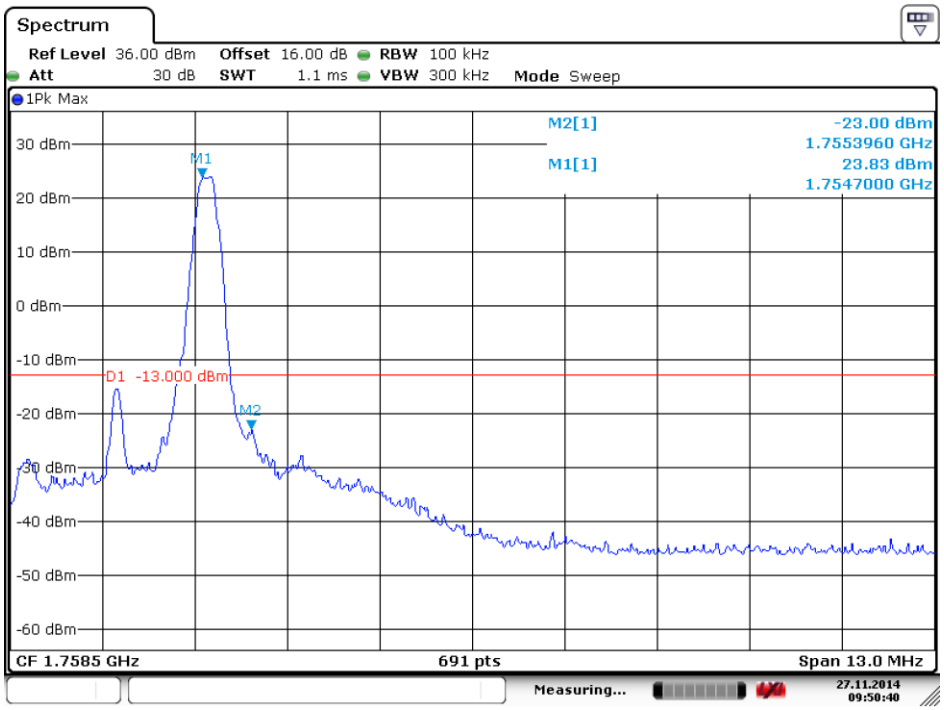
Date: 27.NOV.2014 09:42:39

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



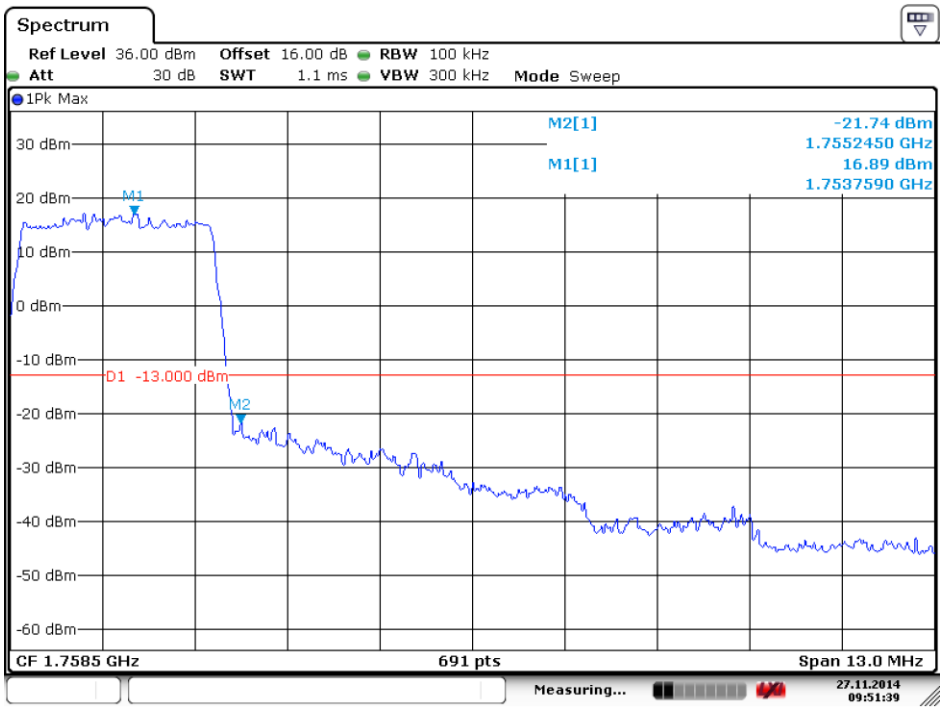
Date: 27.NOV.2014 09:44:01

Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 27.NOV.2014 09:50:40

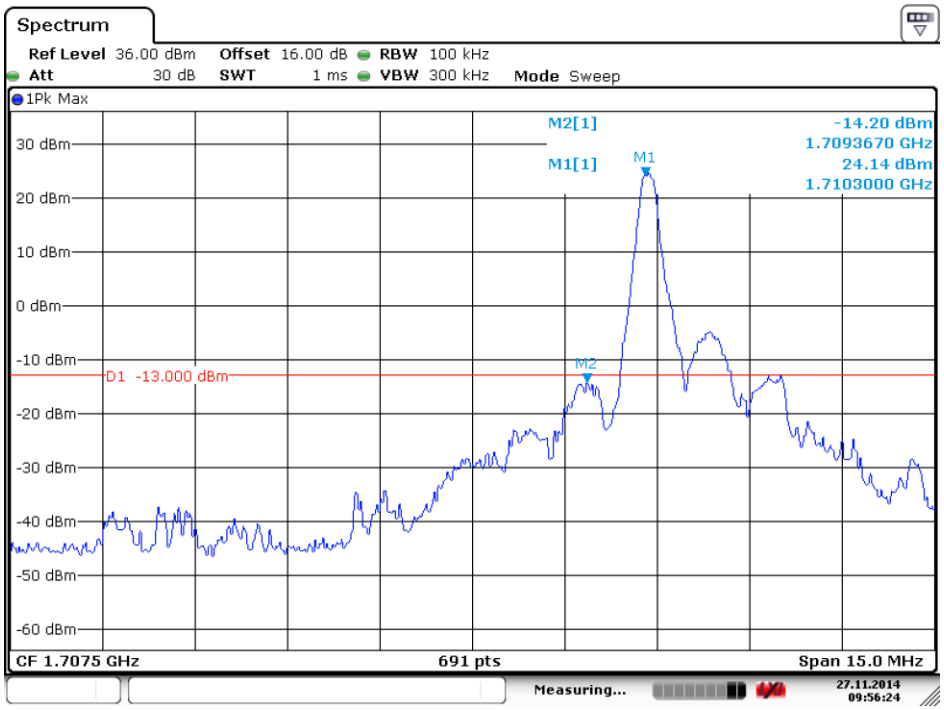
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 27.NOV.2014 09:51:39

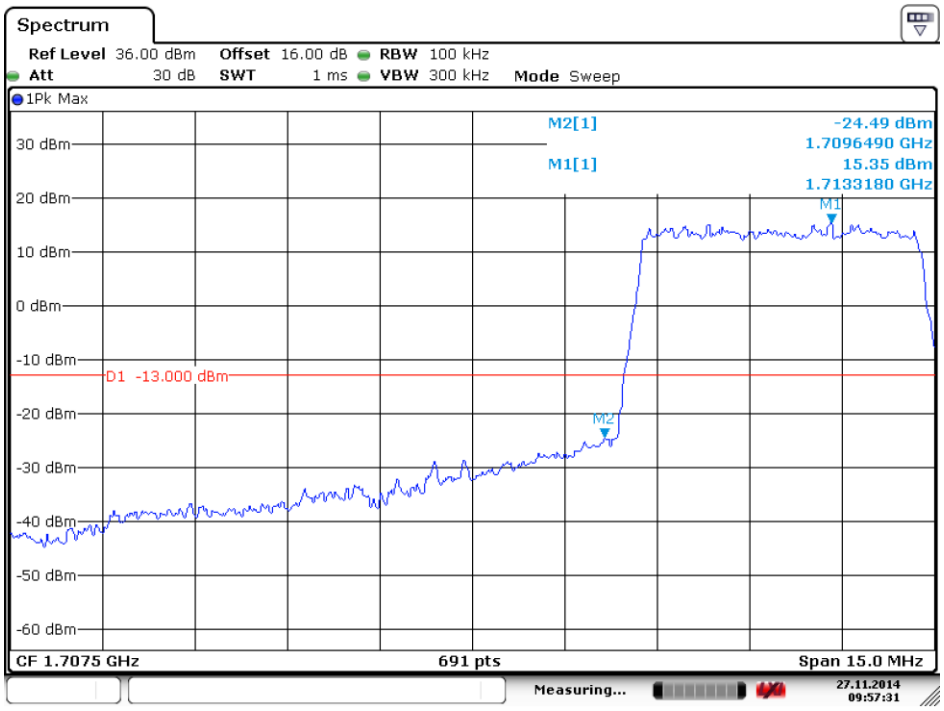
Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0

Band	LTE Band 4	Modulation	QPSK
Bandwidth	5MHz		



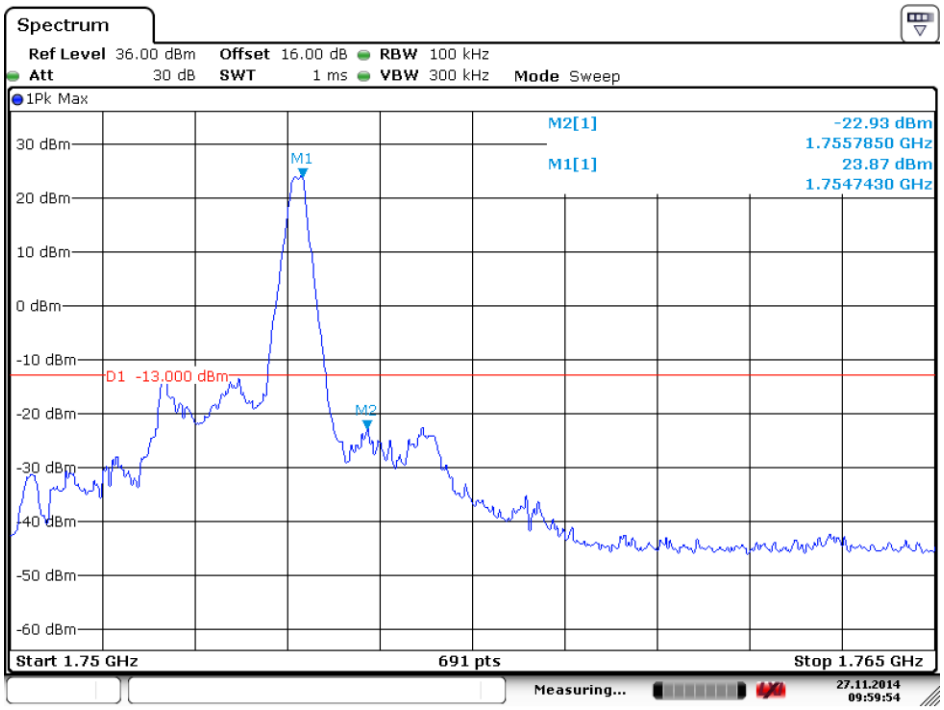
Date: 27.NOV.2014 09:56:24

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



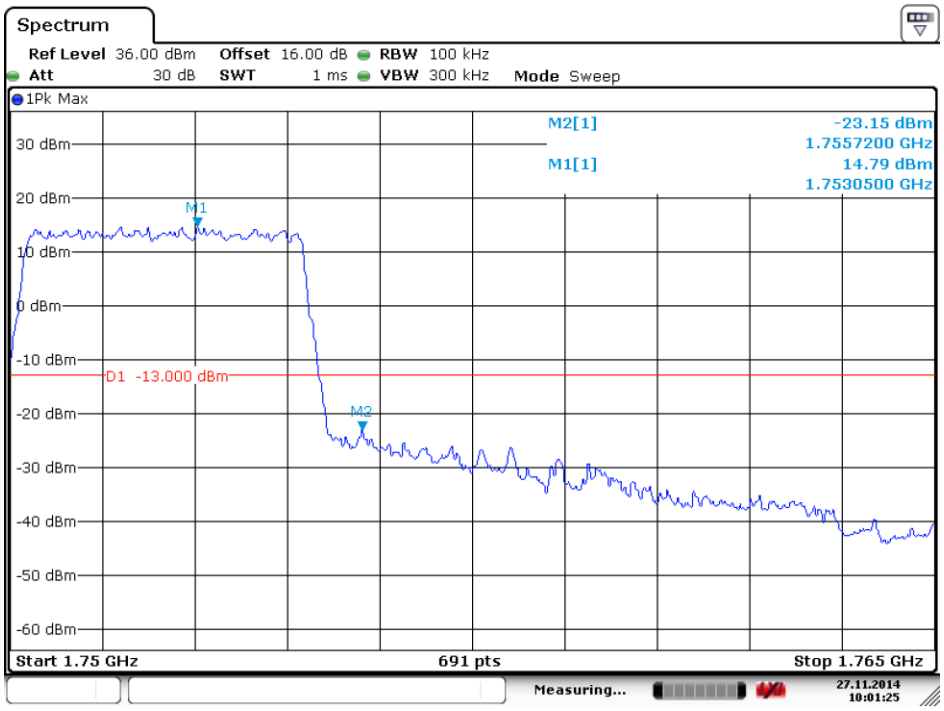
Date: 27.NOV.2014 09:57:32

Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 27.NOV.2014 09:59:54

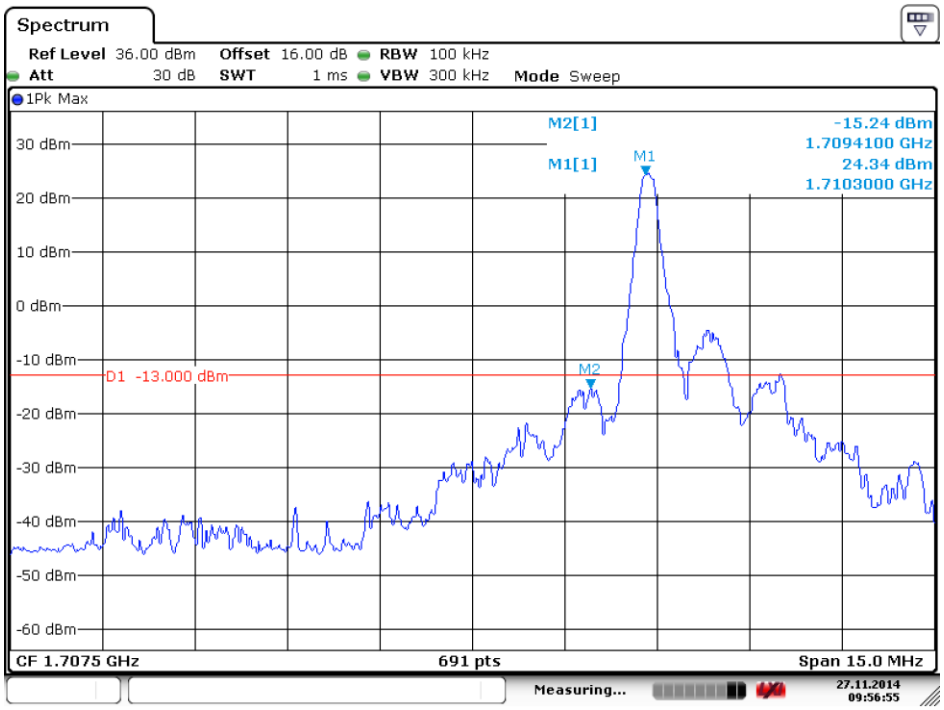
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 27.NOV.2014 10:01:24

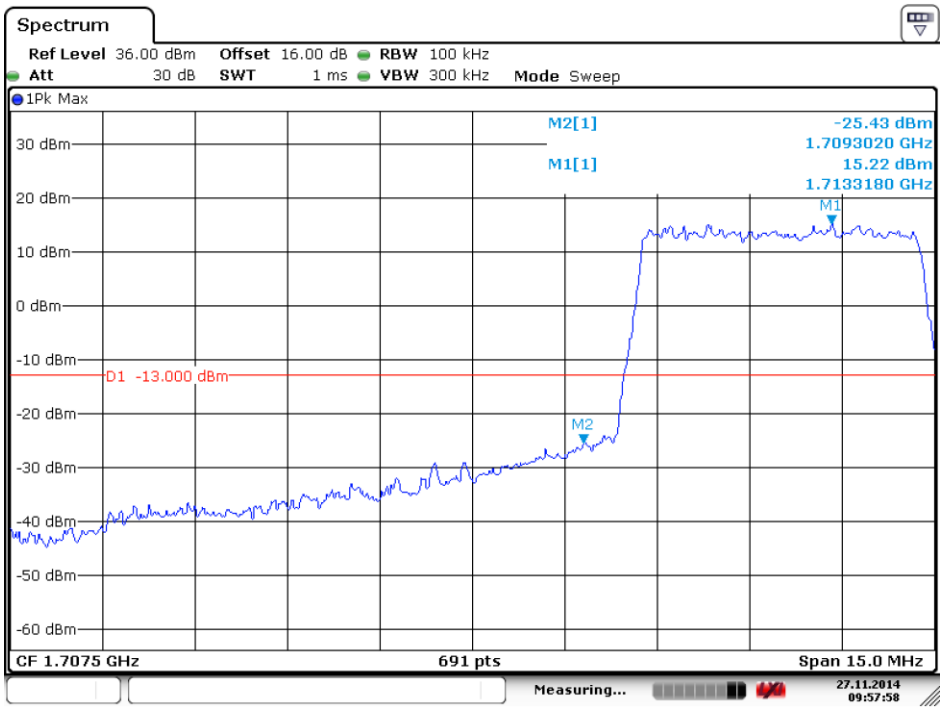
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

Band	LTE Band 4	Modulation	16QAM
Bandwidth	5MHz		



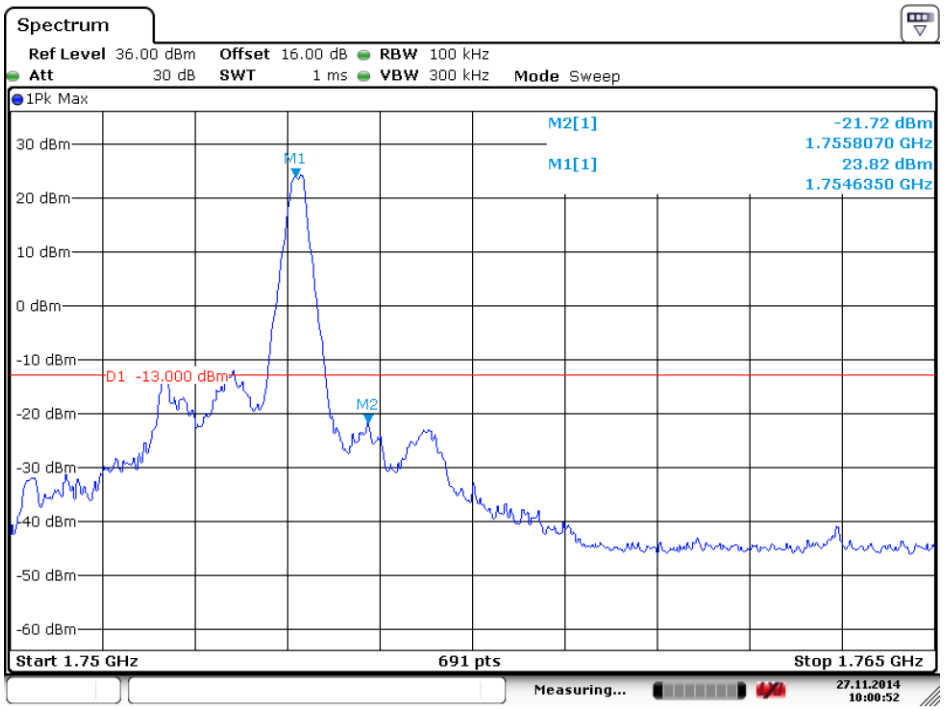
Date: 27.NOV.2014 09:56:55

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



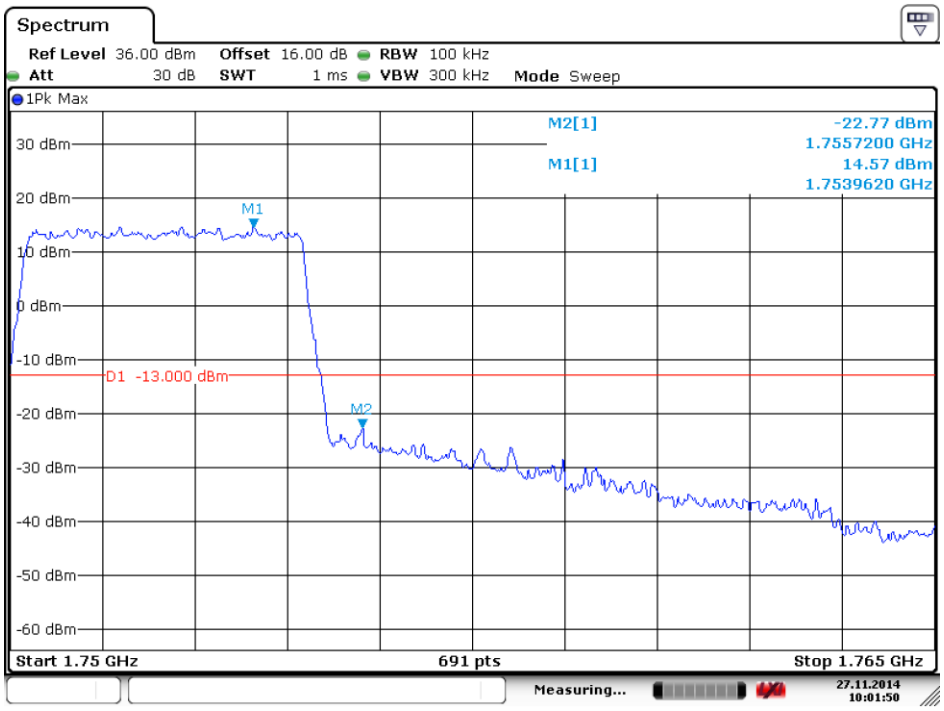
Date: 27.NOV.2014 09:57:58

Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 27.NOV.2014 10:00:52

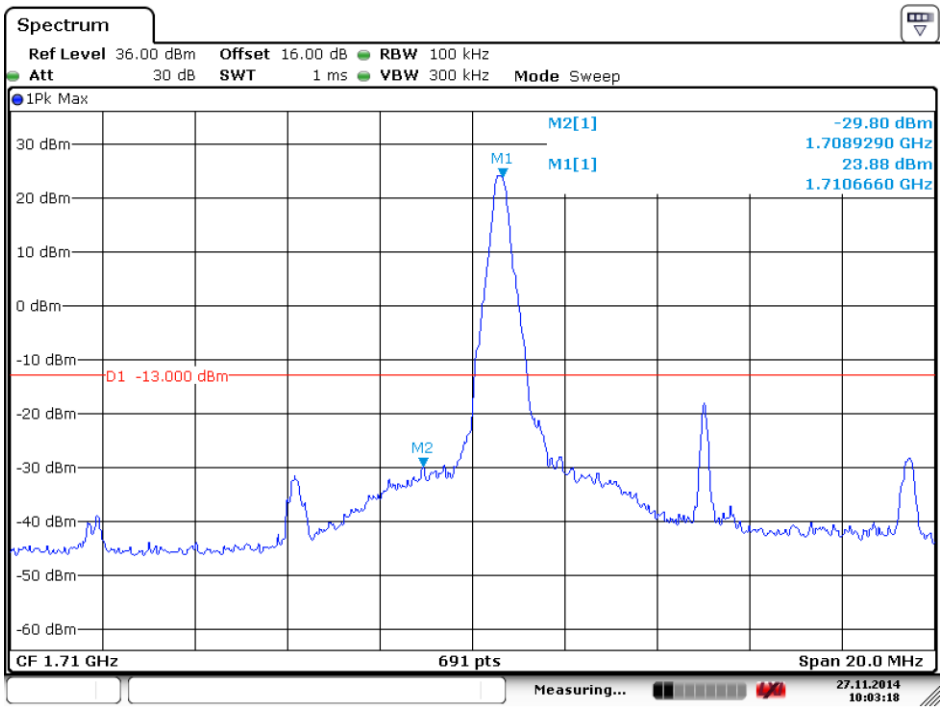
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 27.NOV.2014 10:01:50

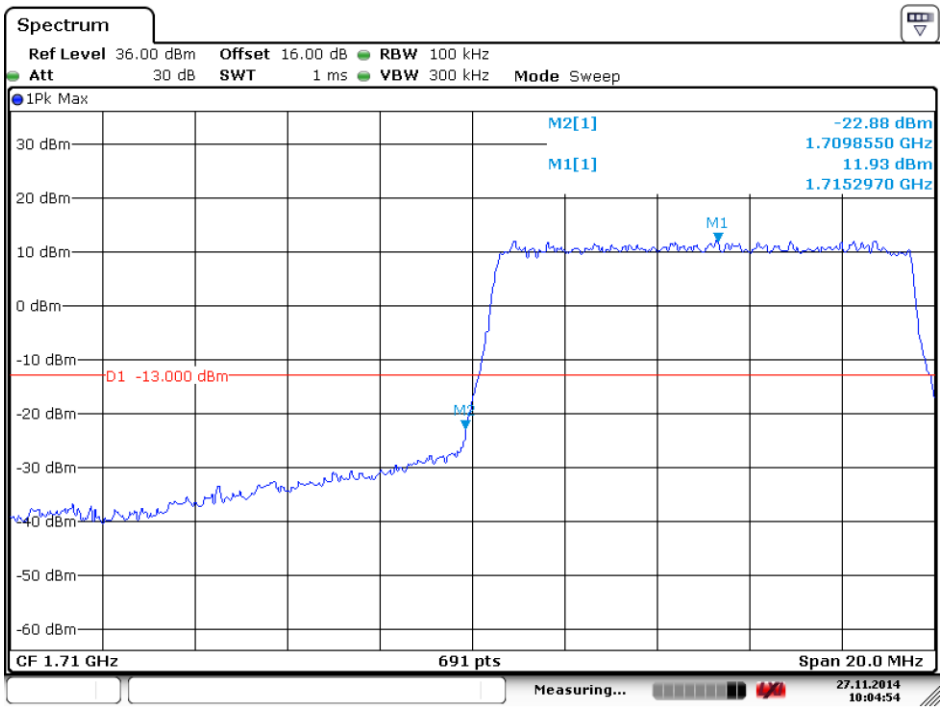
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

Band	LTE Band 4	Modulation	QPSK
Bandwidth	10MHz		



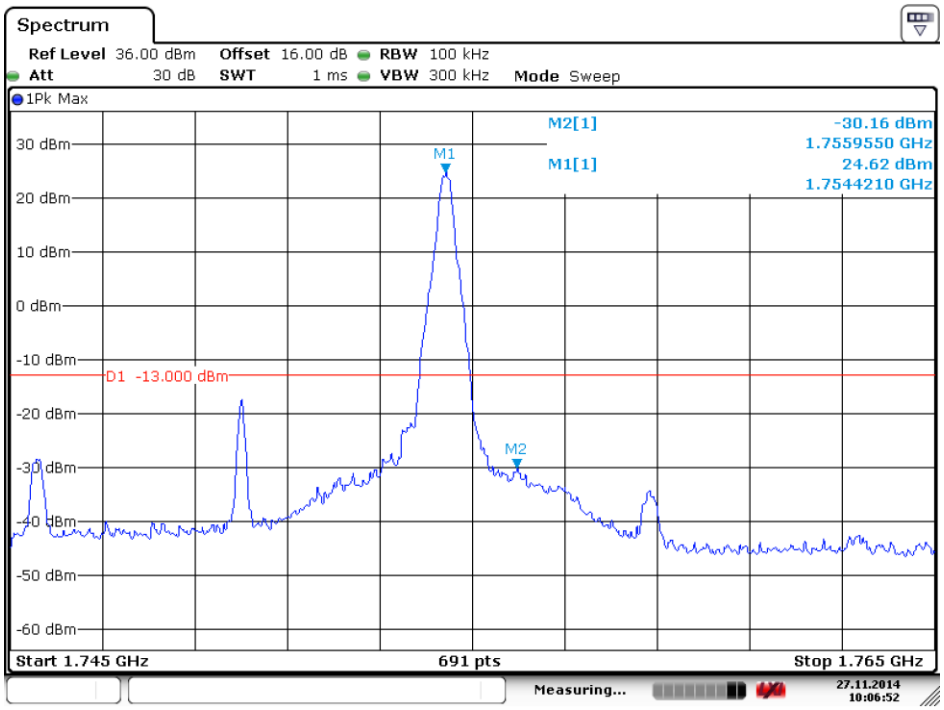
Date: 27.NOV.2014 10:03:18

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



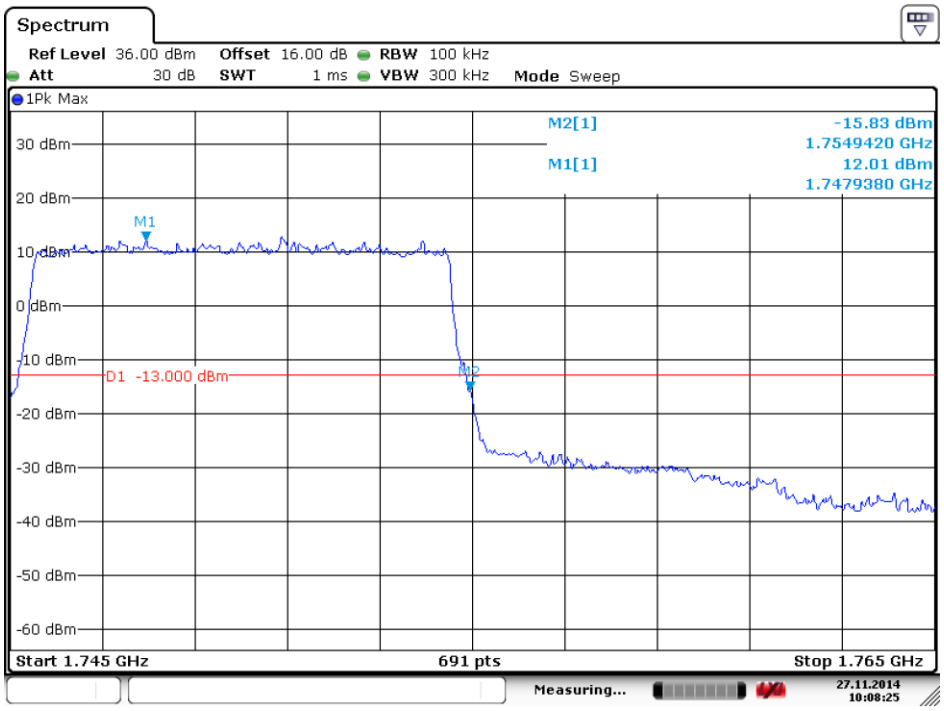
Date: 27.NOV.2014 10:04:53

Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 27.NOV.2014 10:06:53

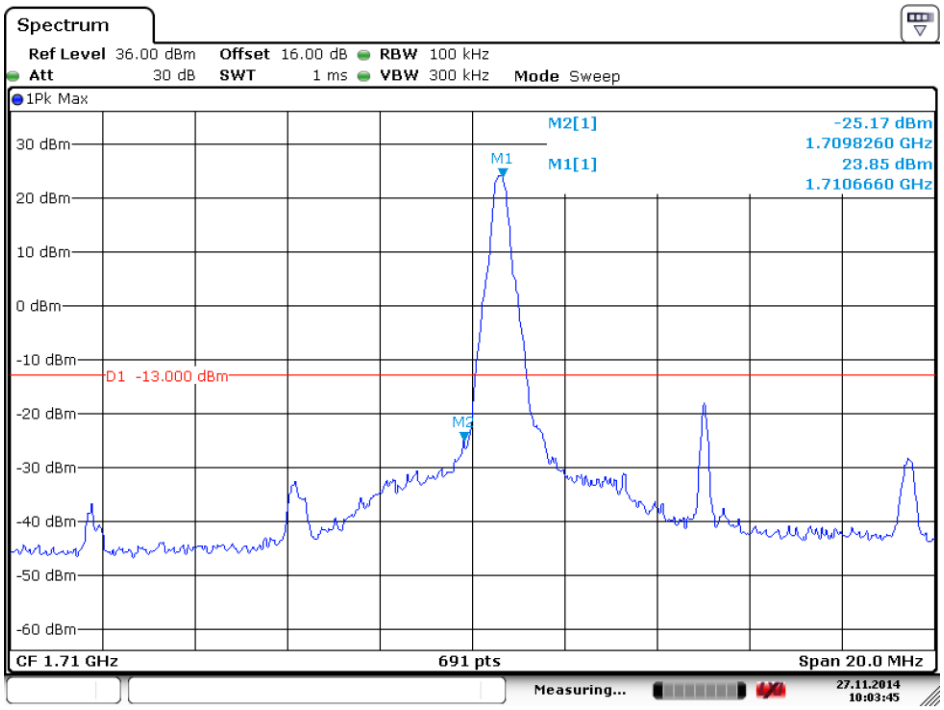
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 27.NOV.2014 10:08:25

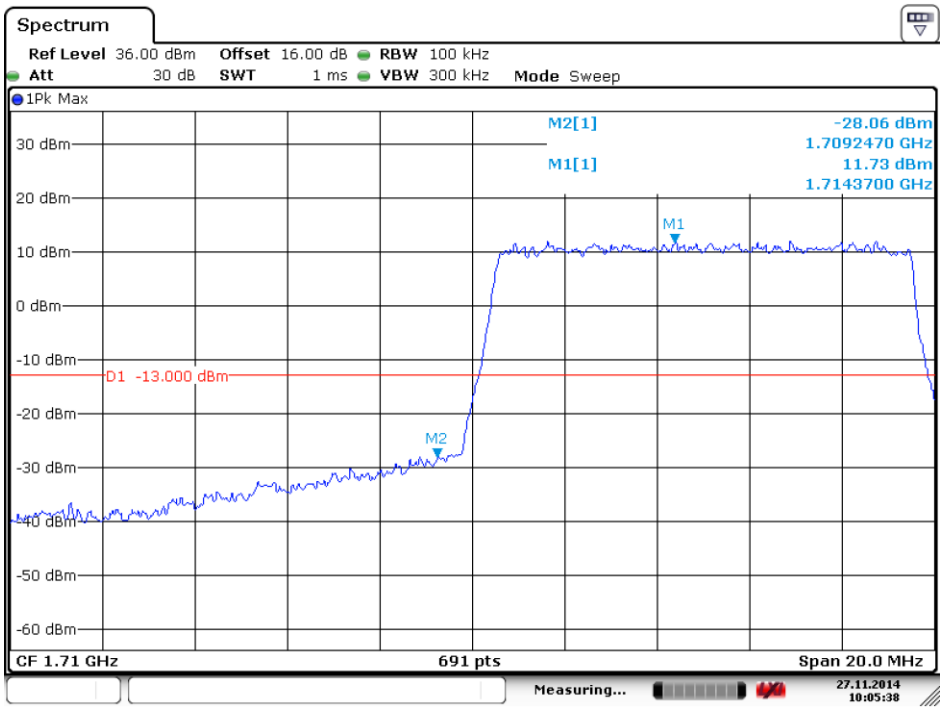
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

Band	LTE Band 4	Modulation	16QAM
Bandwidth	10MHz		



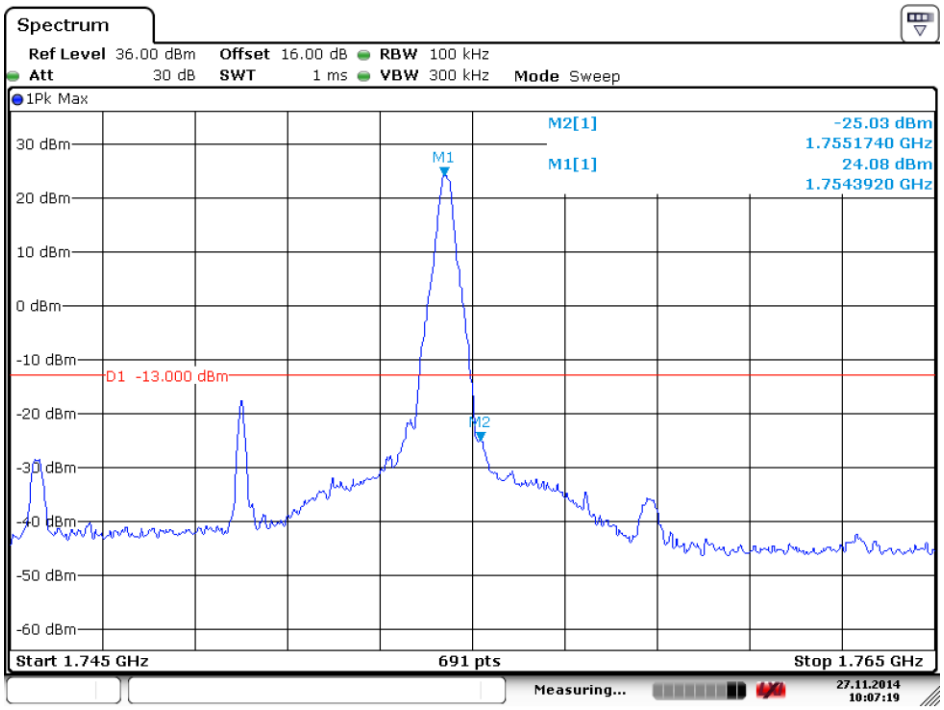
Date: 27.NOV.2014 10:03:45

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



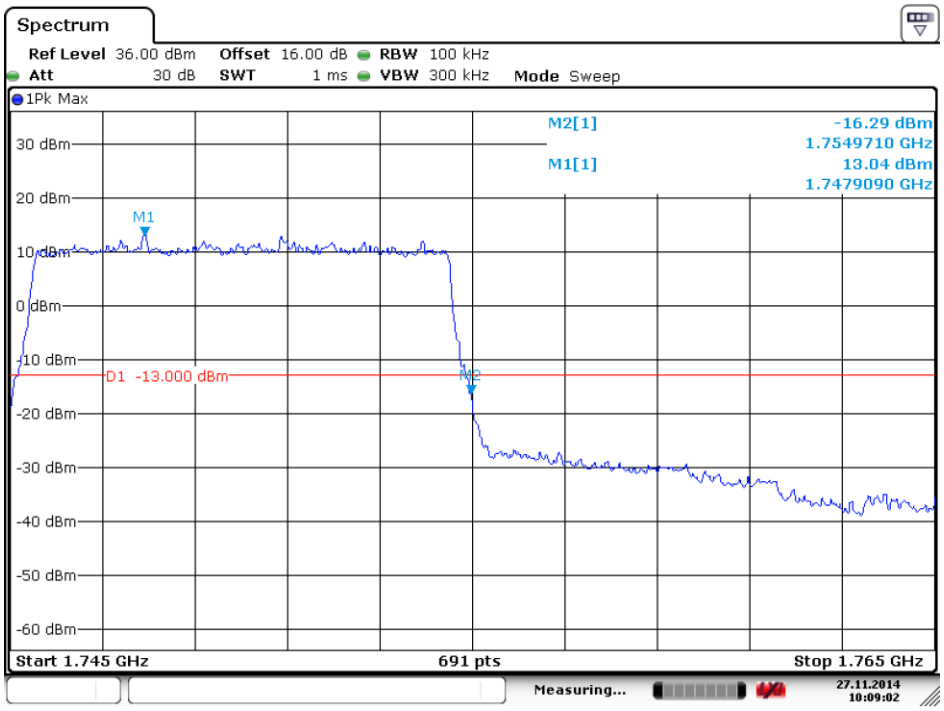
Date: 27.NOV.2014 10:05:38

Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 27.NOV.2014 10:07:20

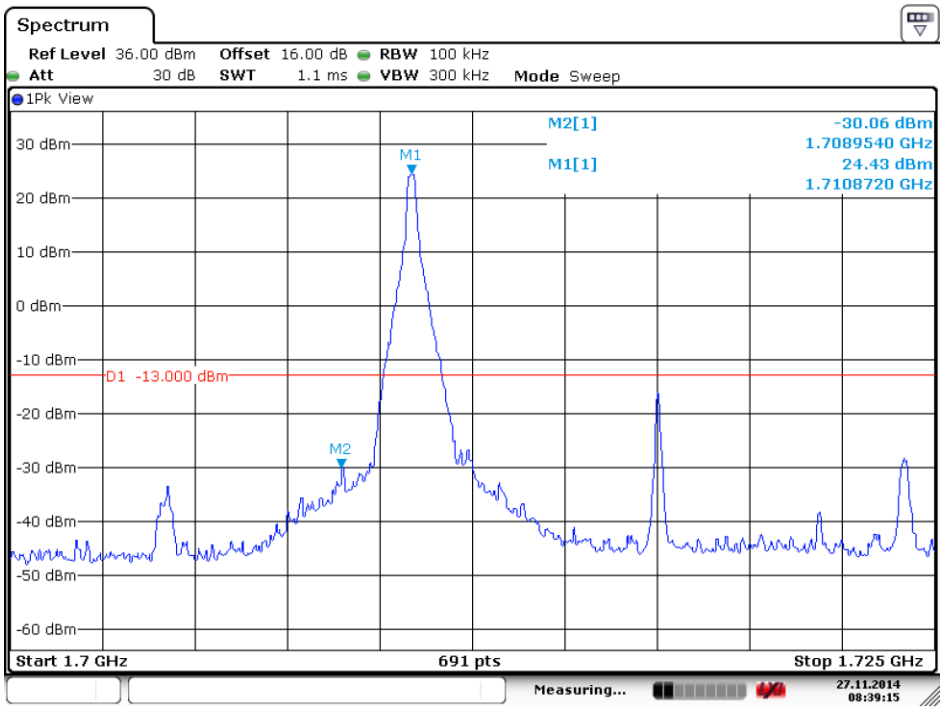
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 27.NOV.2014 10:09:02

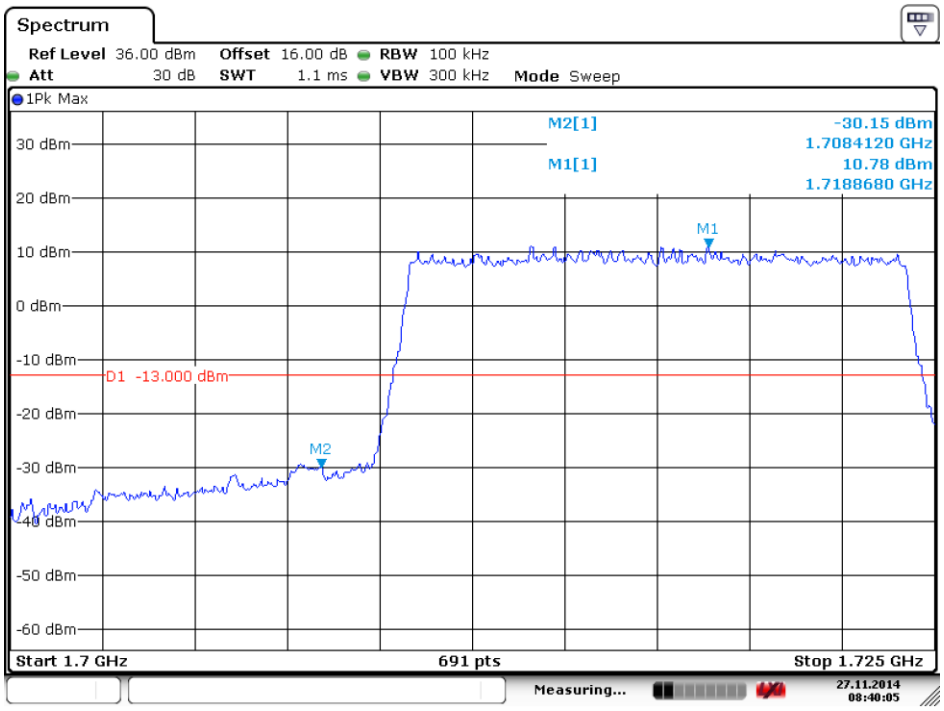
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

Band	LTE Band 4	Modulation	QPSK
Bandwidth	15MHz		



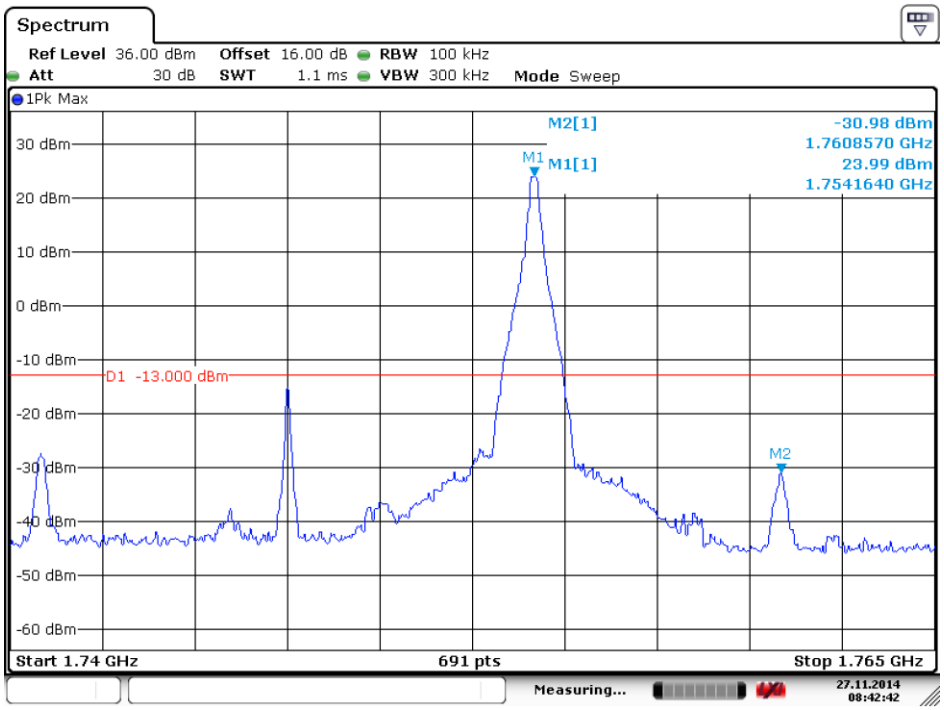
Date: 27.NOV.2014 08:39:16

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



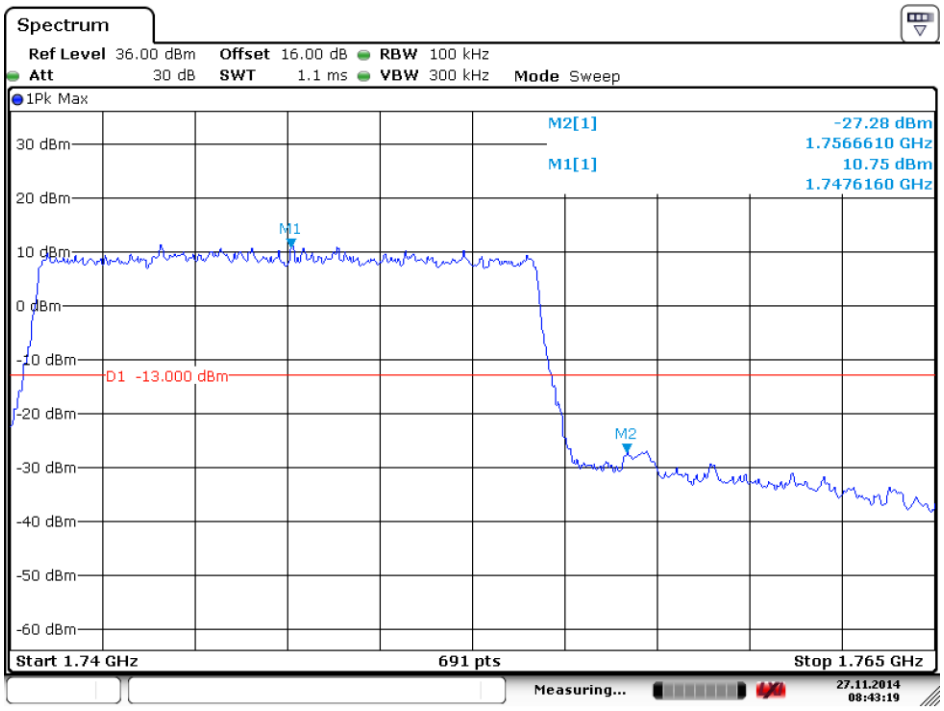
Date: 27.NOV.2014 08:40:06

Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 27.NOV.2014 08:42:42

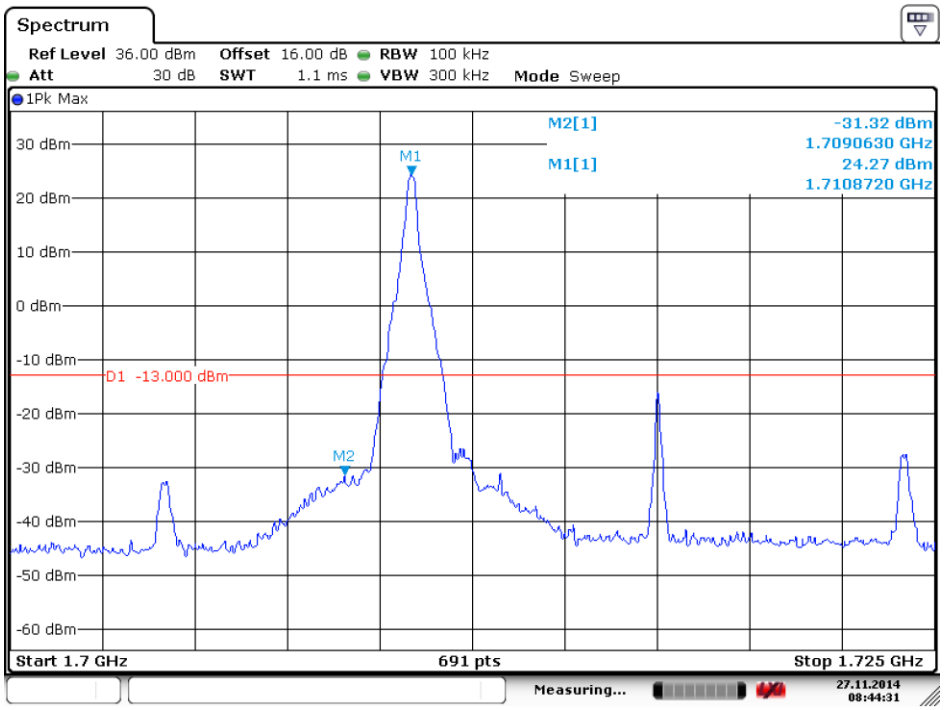
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 27.NOV.2014 08:43:19

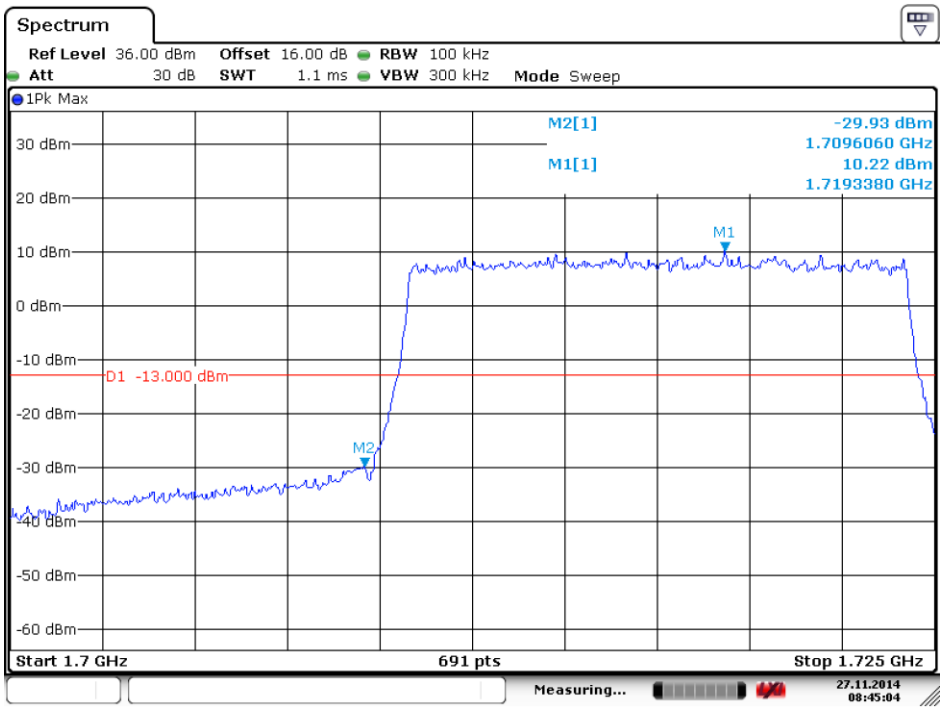
Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

Band	LTE Band 4	Modulation	16QAM
Bandwidth	15MHz		



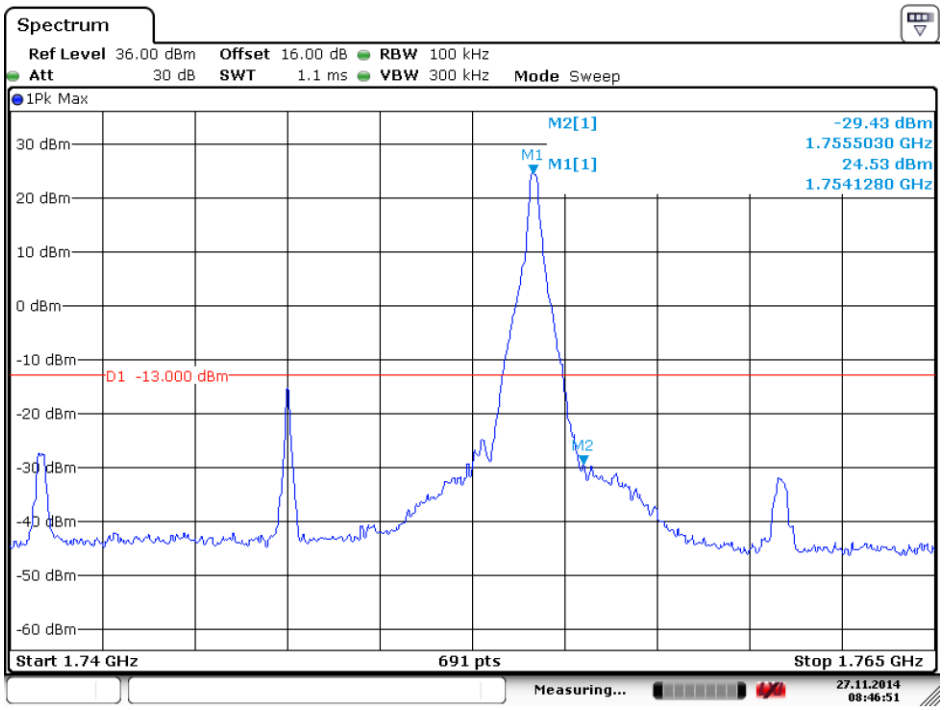
Date: 27.NOV.2014 08:44:31

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



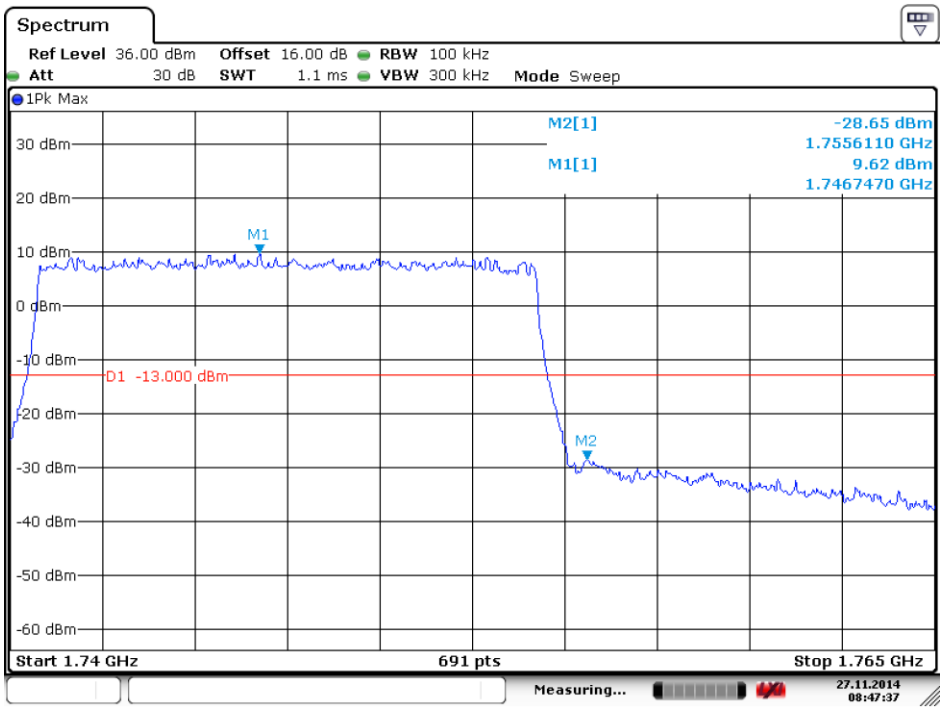
Date: 27.NOV.2014 08:45:05

Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 27.NOV.2014 08:46:51

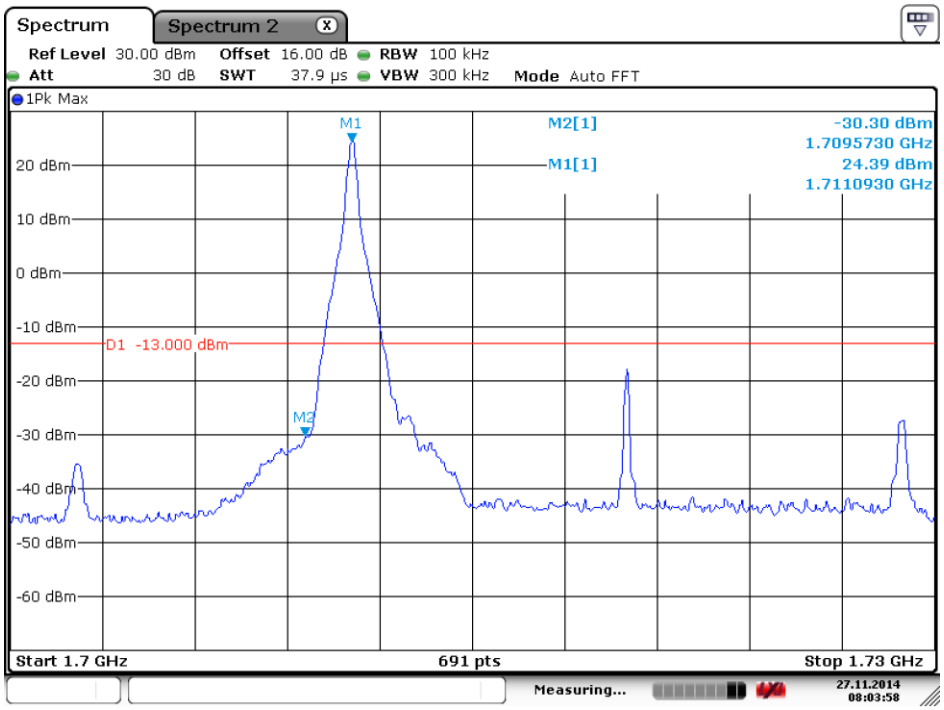
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 27.NOV.2014 08:47:38

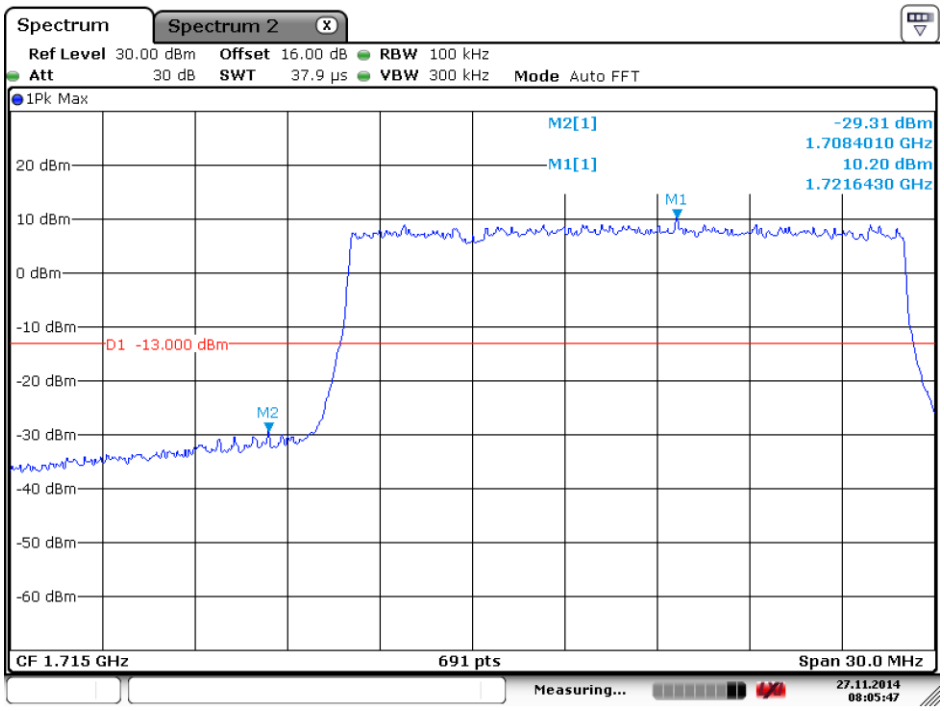
Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

Band	LTE Band 4	Modulation	QPSK
Bandwidth	20MHz		



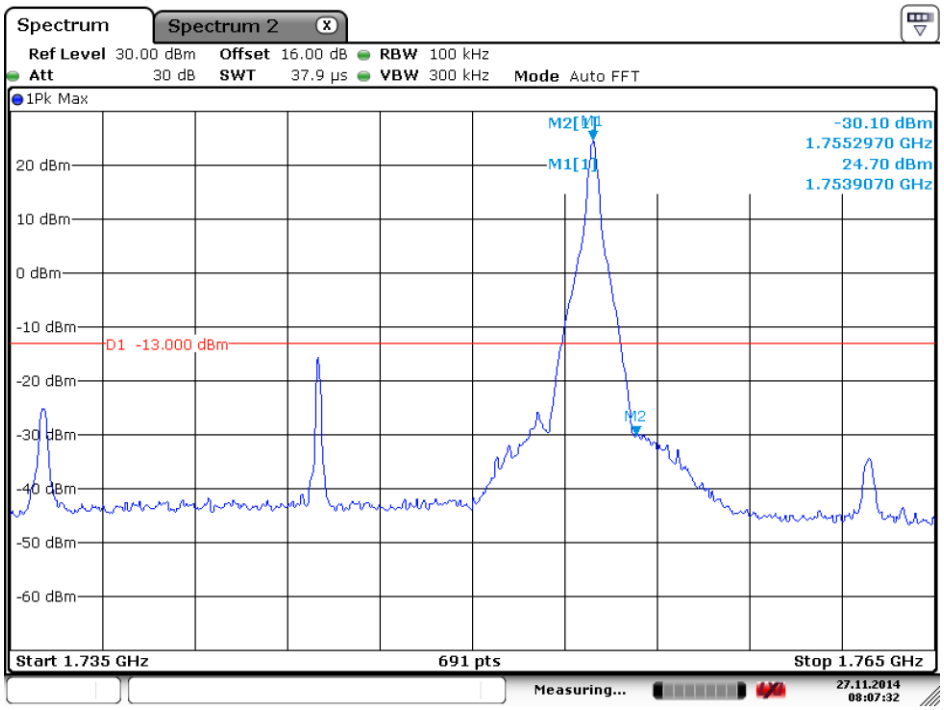
Date: 27.NOV.2014 08:03:59

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



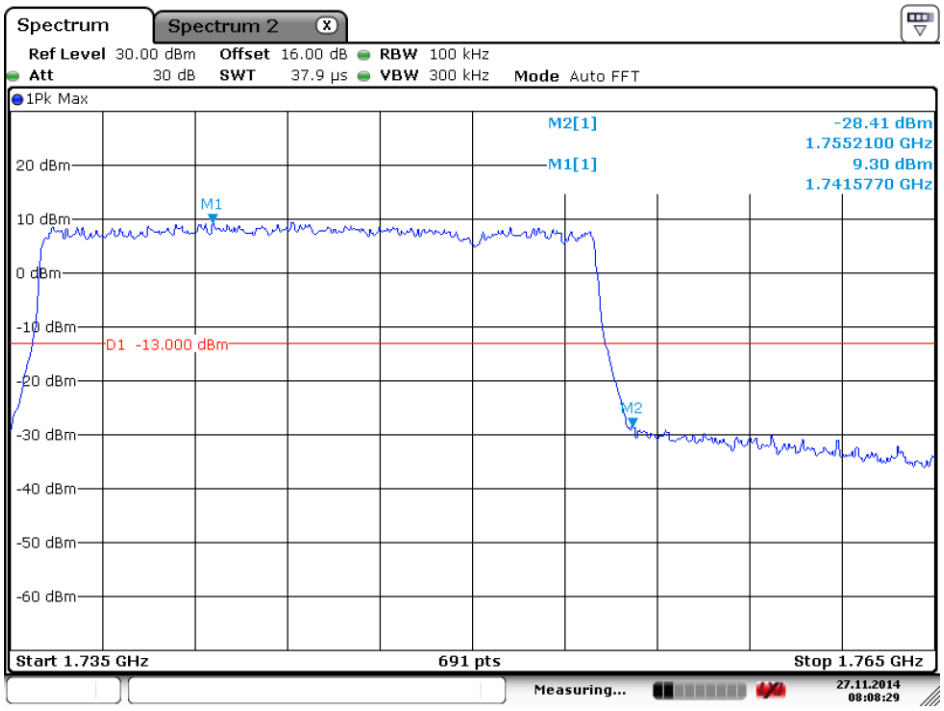
Date: 27.NOV.2014 08:05:47

Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 27.NOV.2014 08:07:32

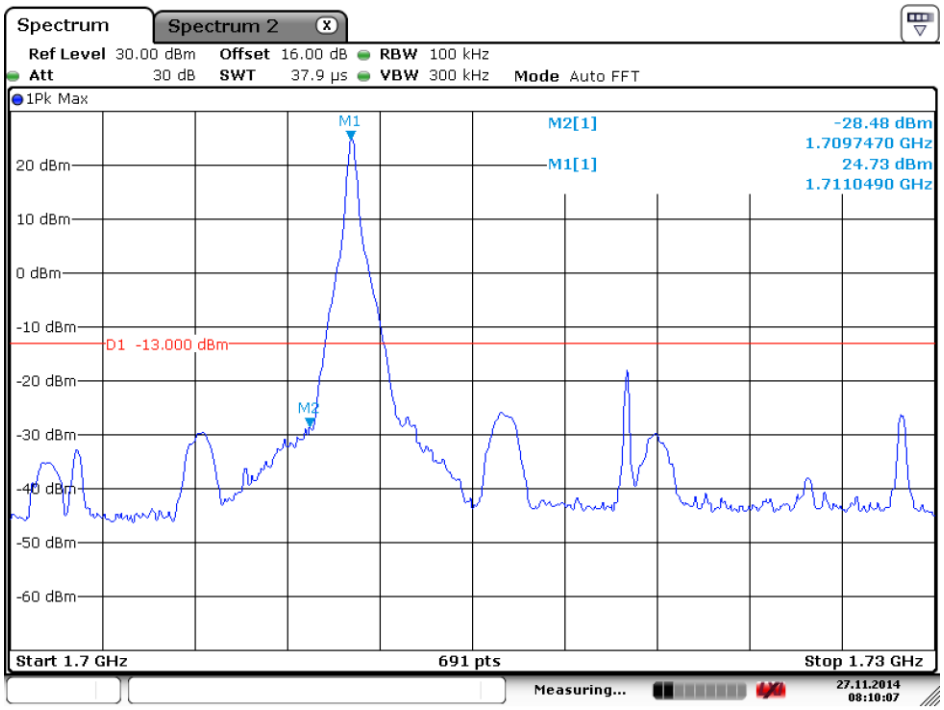
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 27.NOV.2014 08:08:30

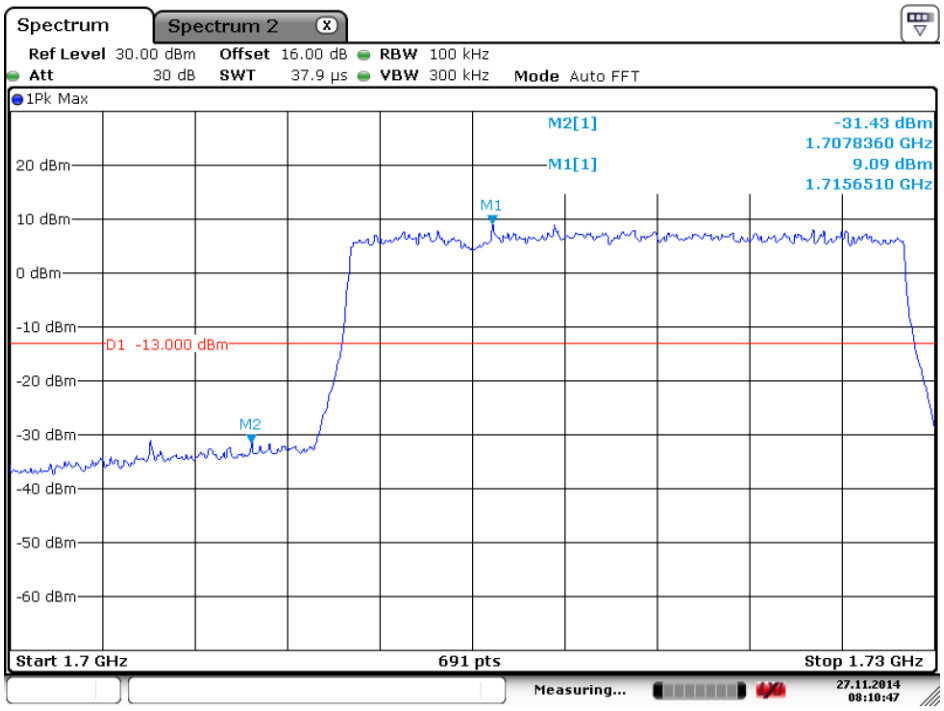
Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

Band	LTE Band 4	Modulation	16QAM
Bandwidth	20MHz		



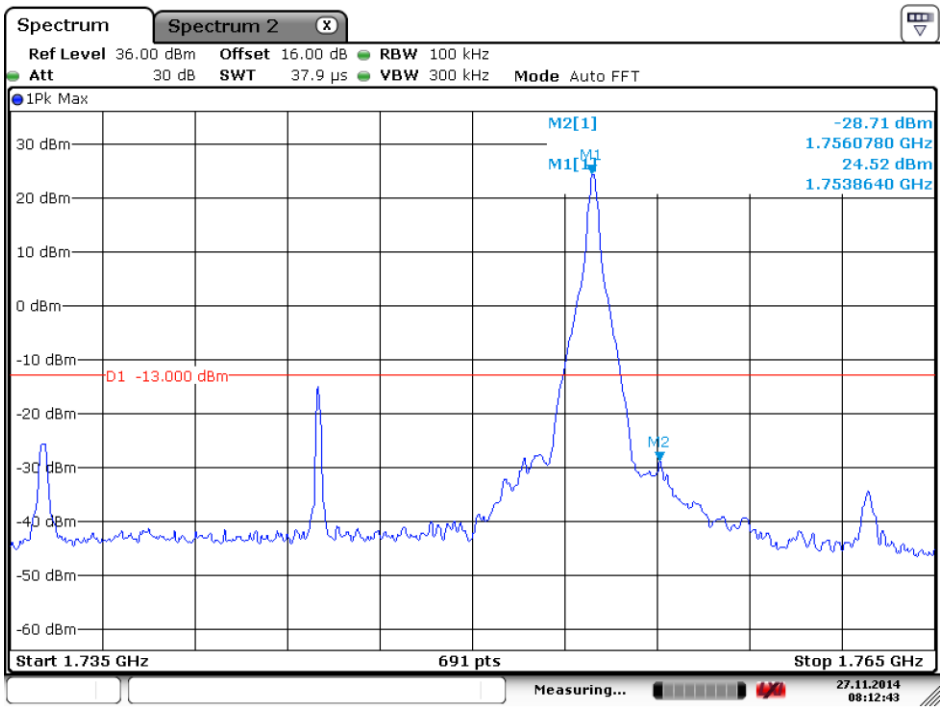
Date: 27.NOV.2014 08:10:08

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



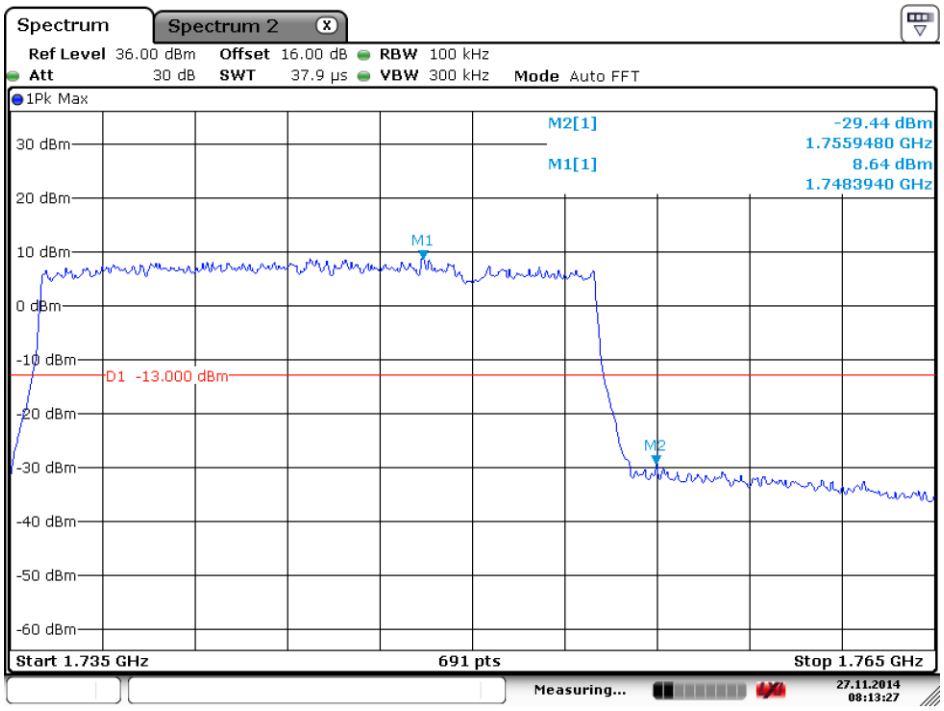
Date: 27.NOV.2014 08:10:47

Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 27.NOV.2014 08:12:43

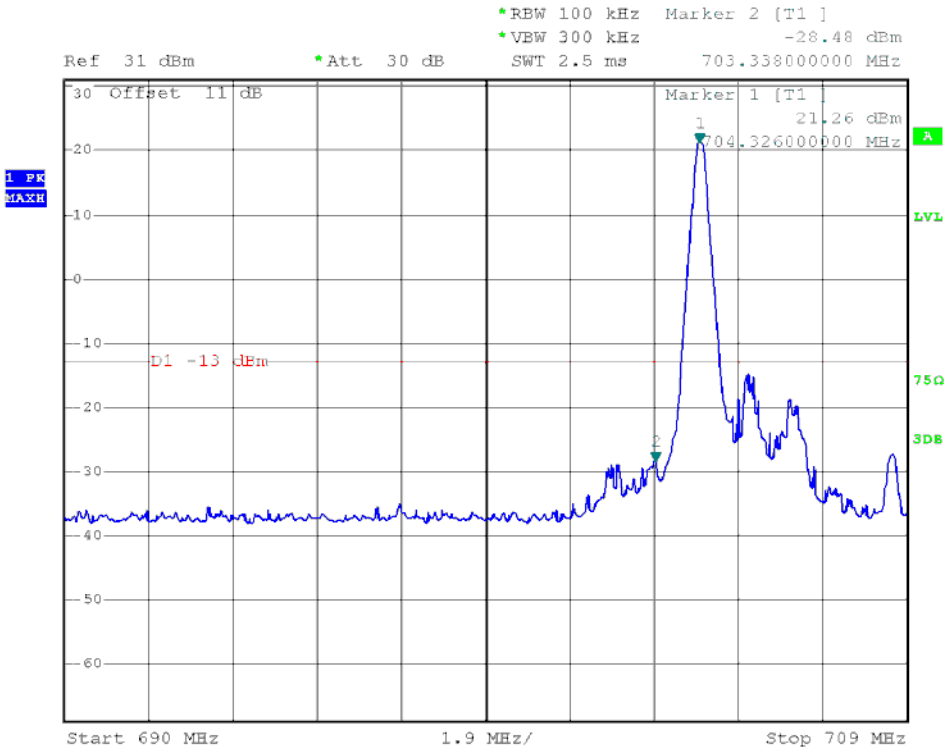
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



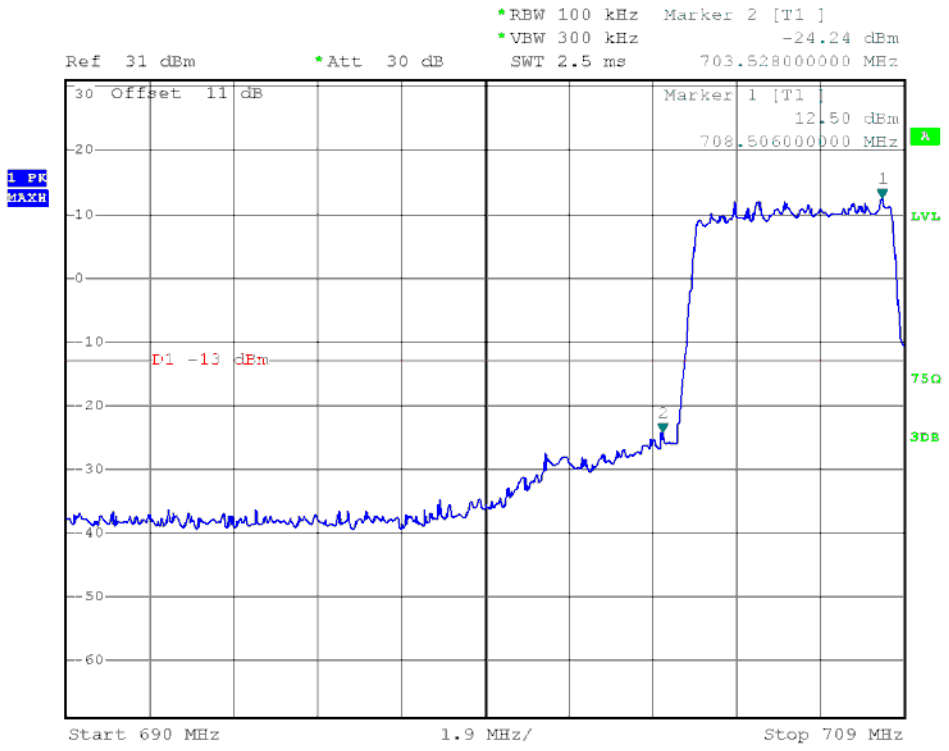
Date: 27.NOV.2014 08:13:28

Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

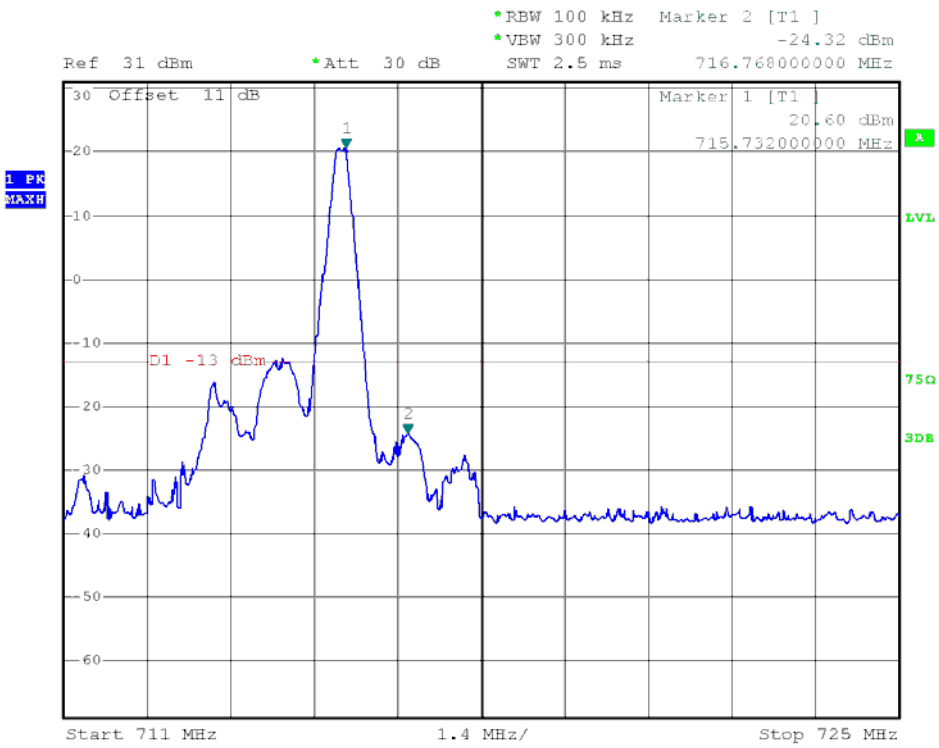
Band	LTE Band 17	Modulation	QPSK
Bandwidth	5MHz		



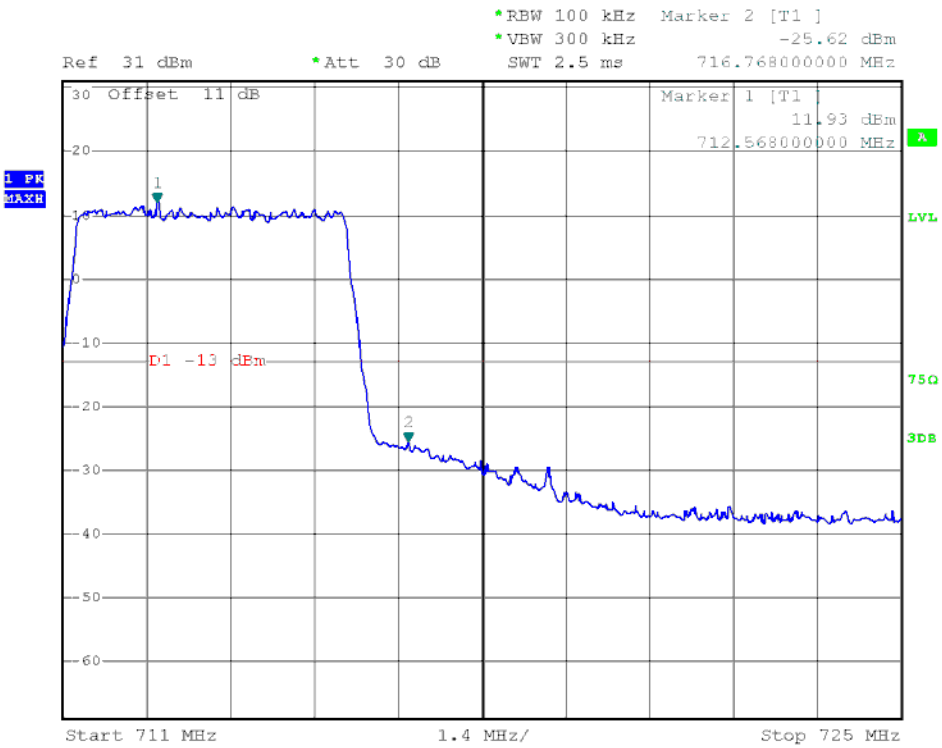
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0

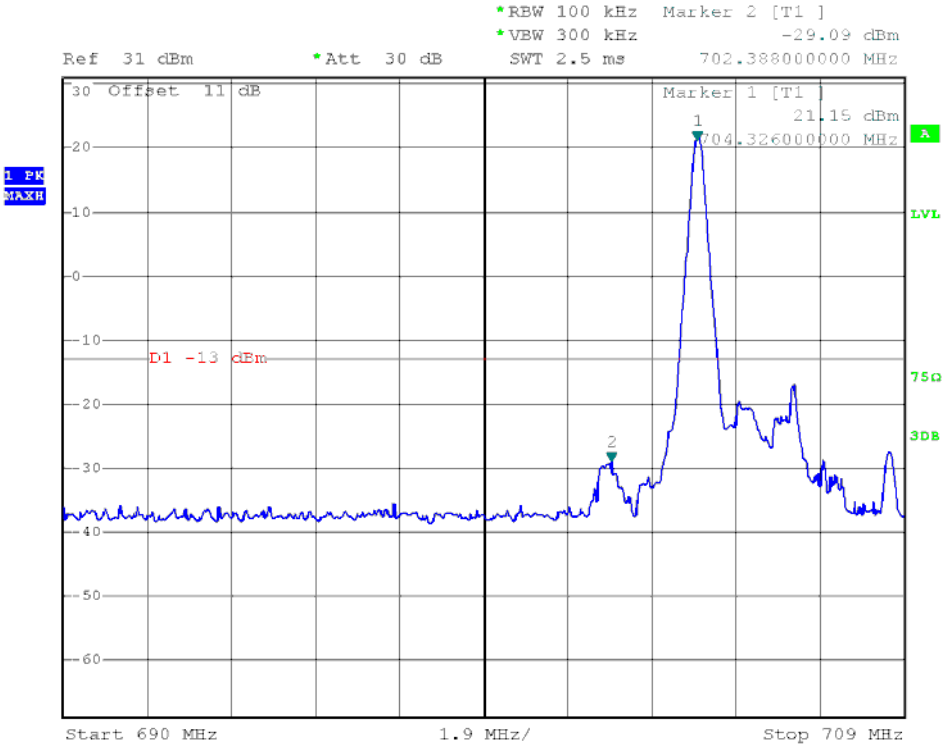


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24

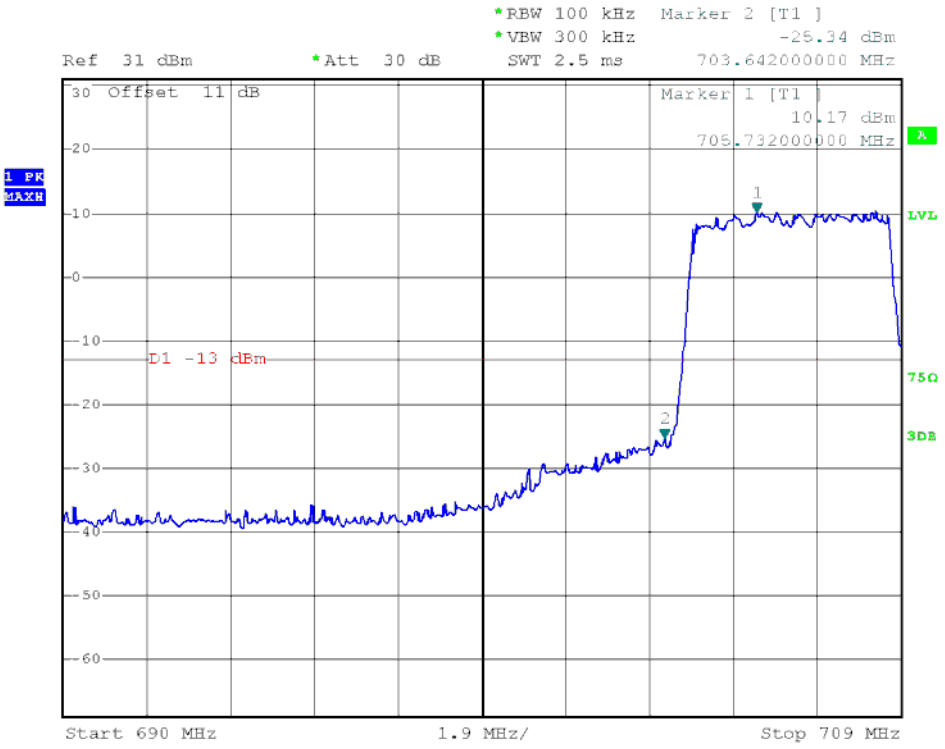


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

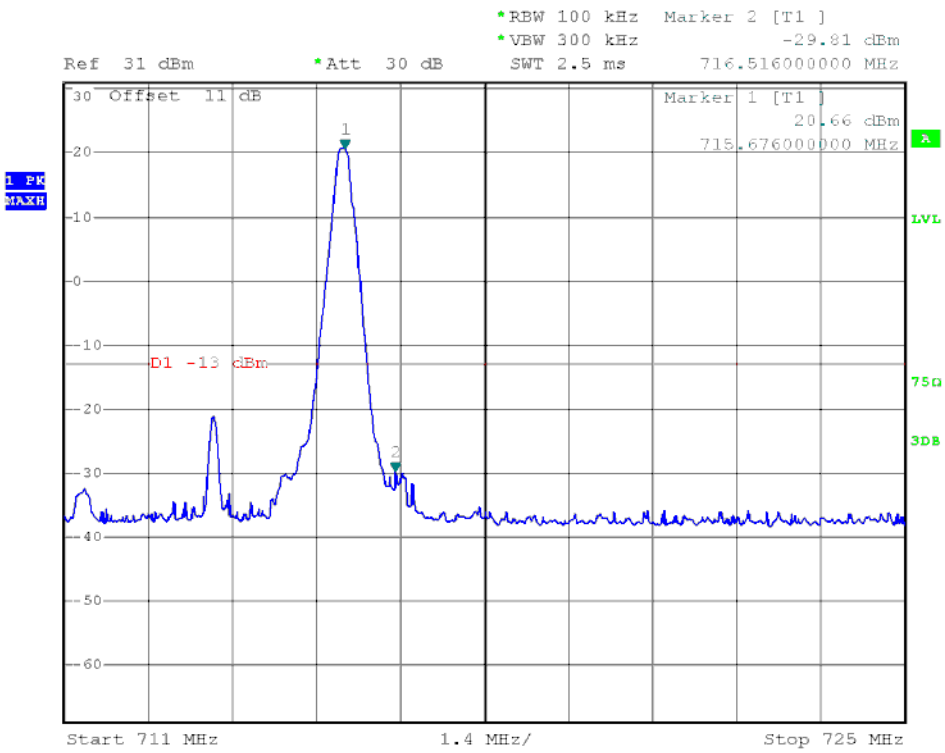
Band	LTE Band 17	Modulation	16QAM
Bandwidth	5MHz		



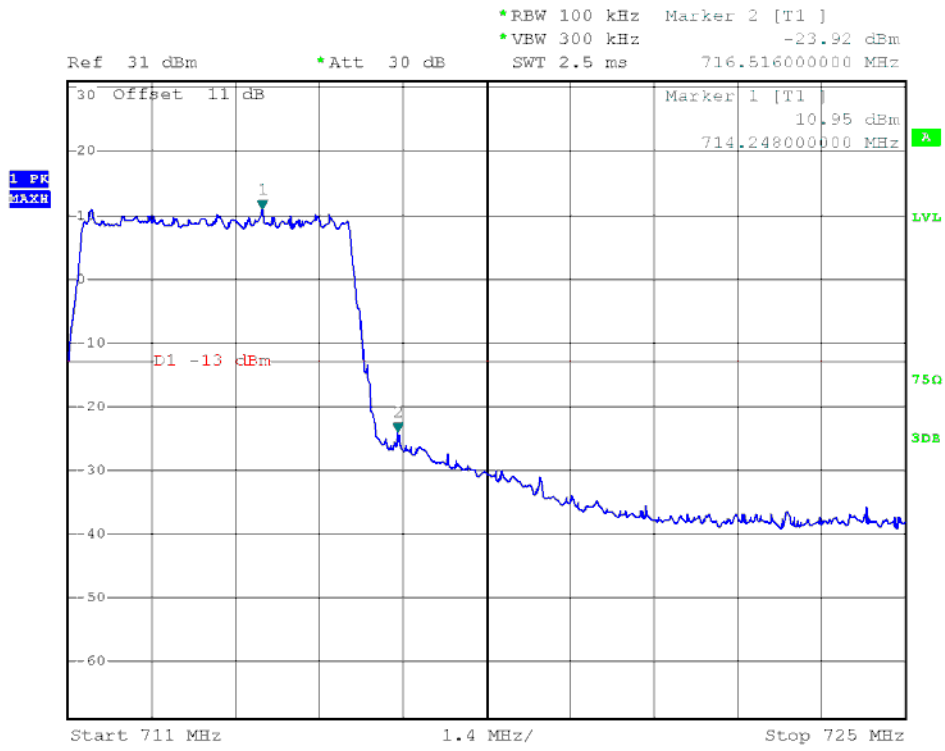
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Lower Band Edge Plot for 16QAM -RB Size 25, RB Offset 0

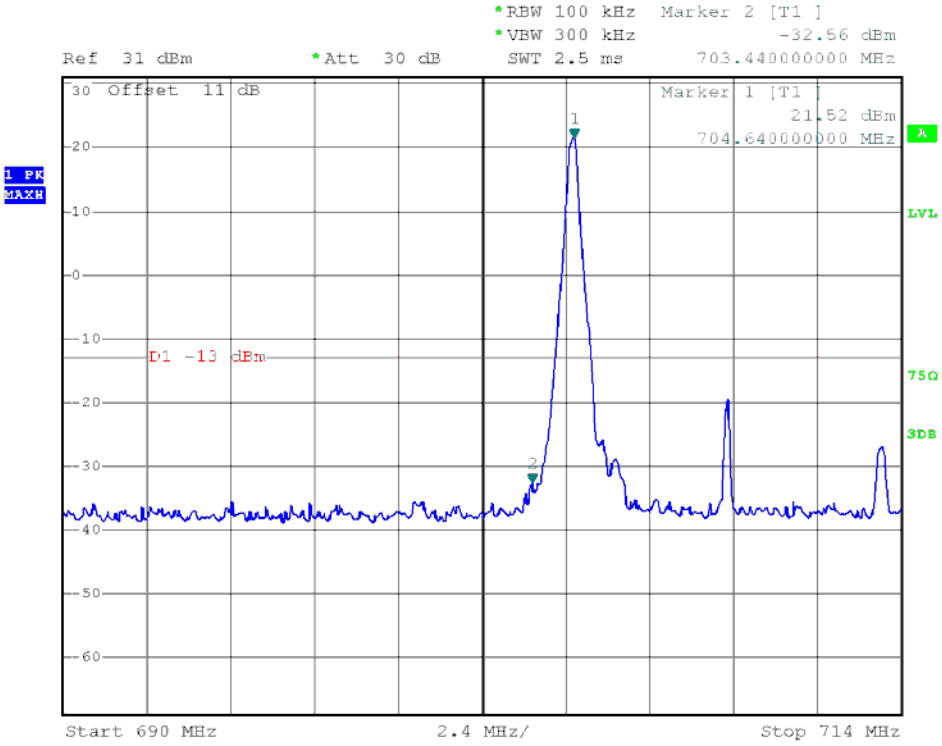


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 24

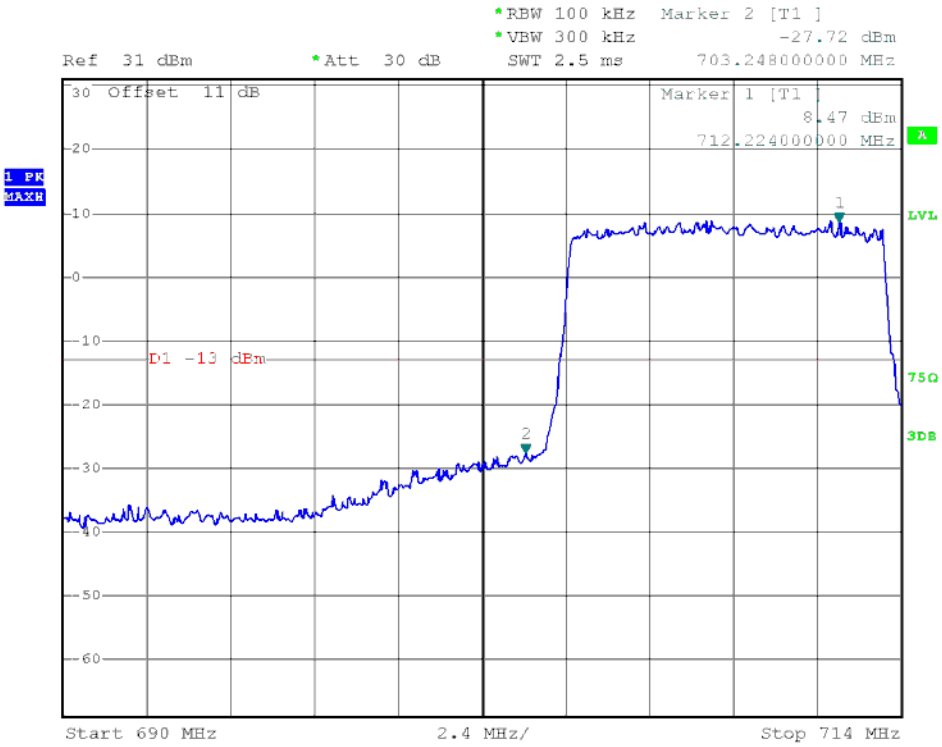


Higher Band Edge Plot for 16QAM -RB Size 25, RB Offset 0

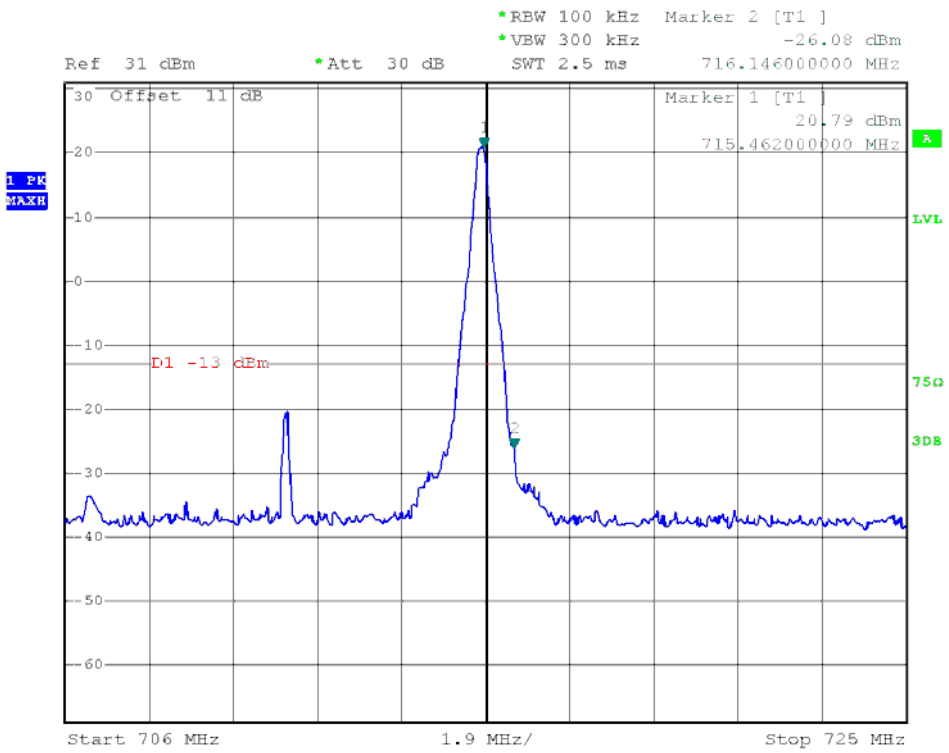
Band	LTE Band 17	Modulation	QPSK
Bandwidth	10MHz		



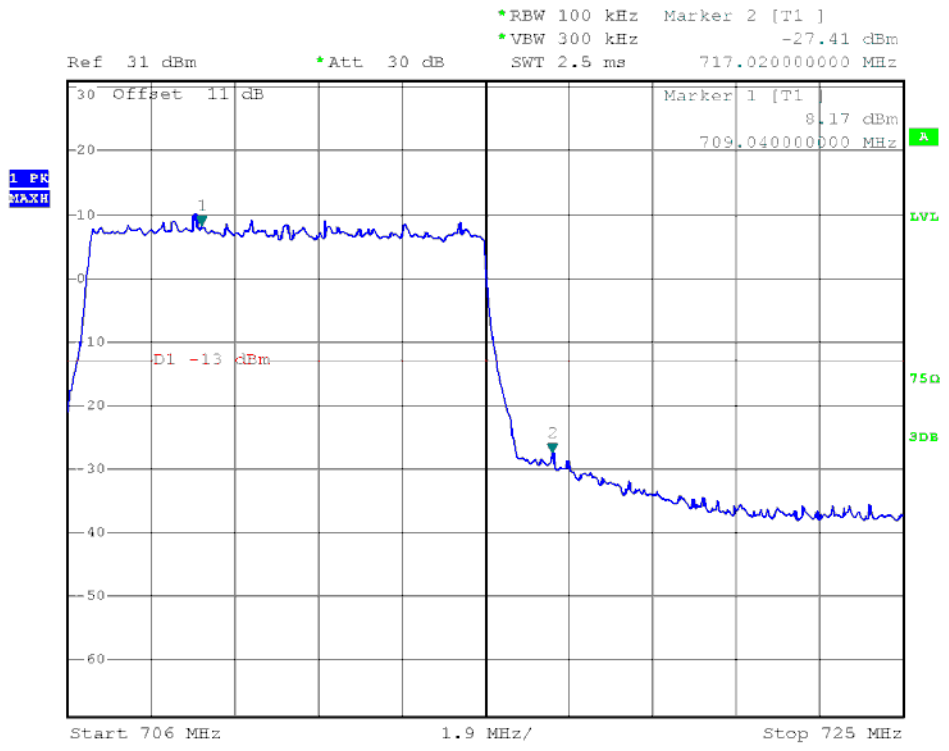
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0

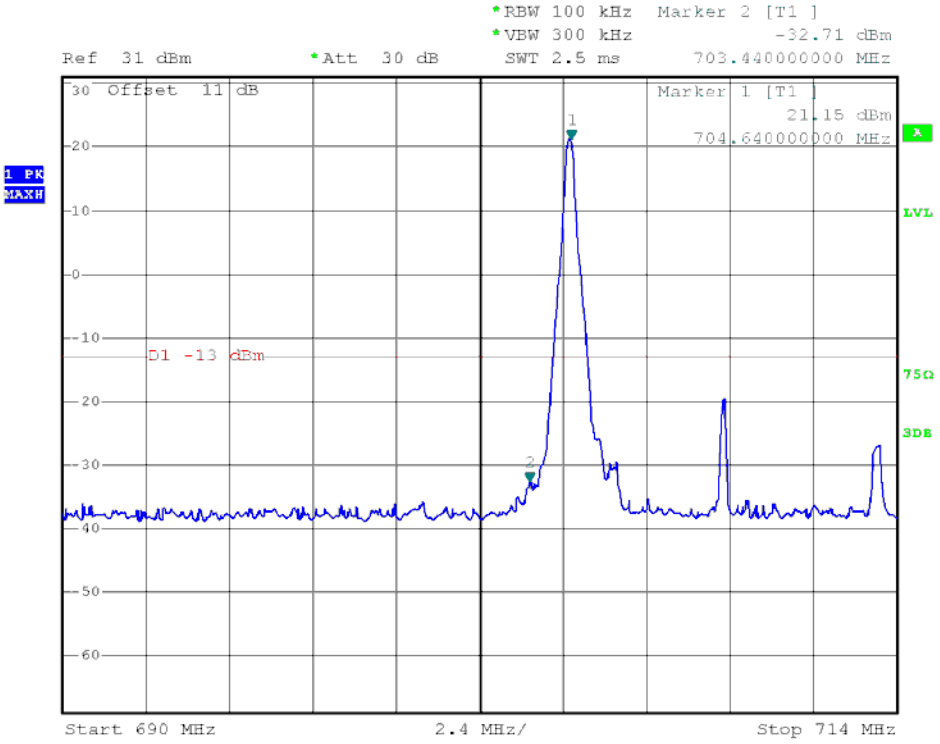


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49

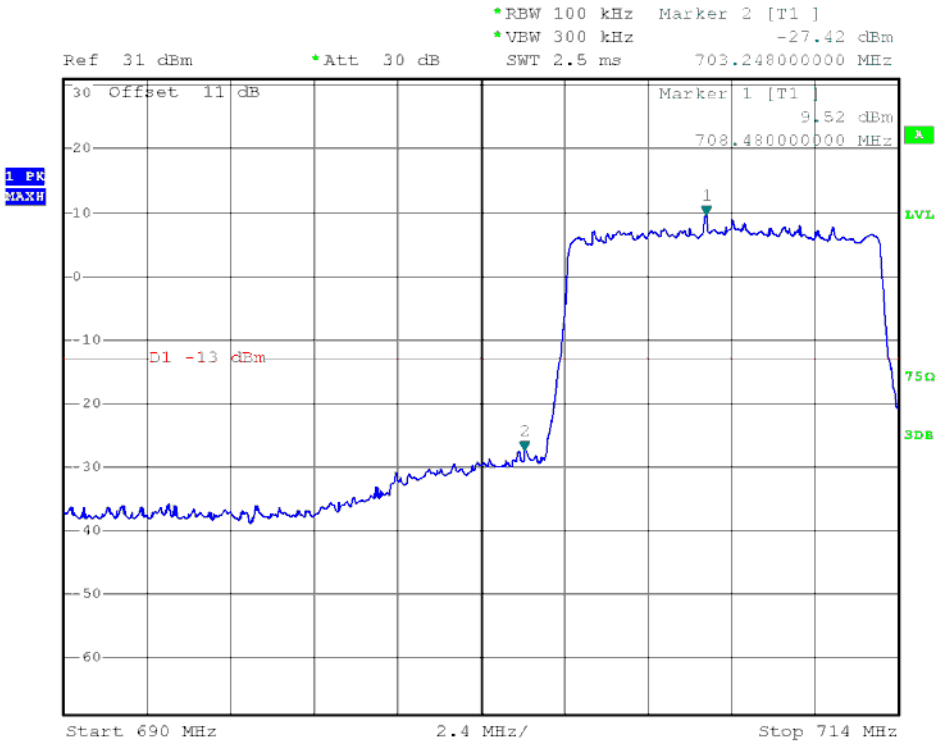


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

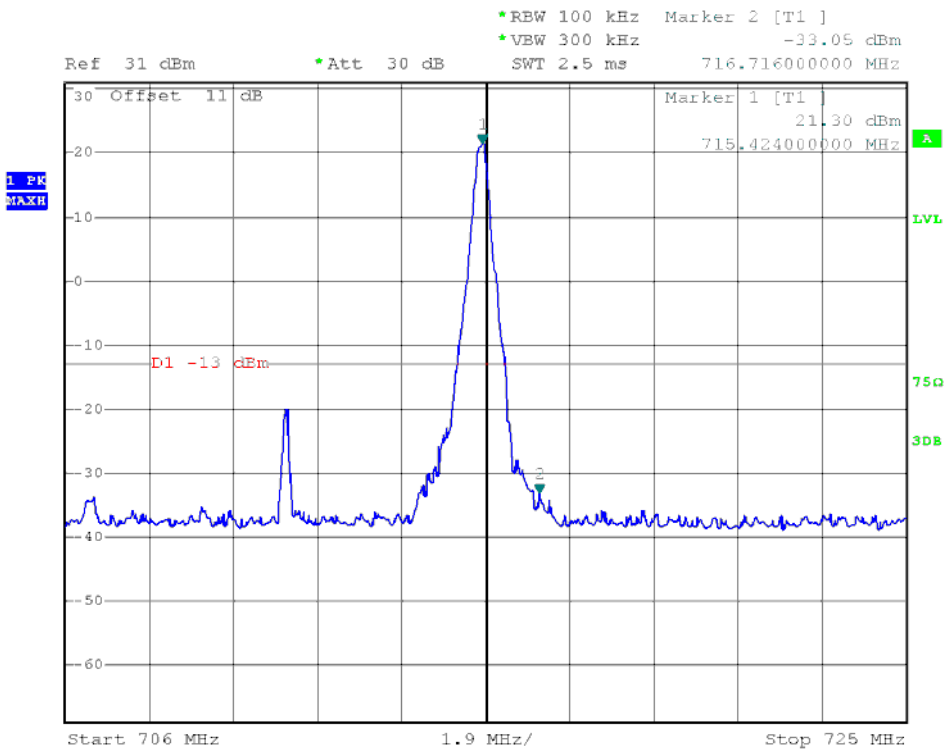
Band	LTE Band 17	Modulation	16QAM
Bandwidth	10MHz		



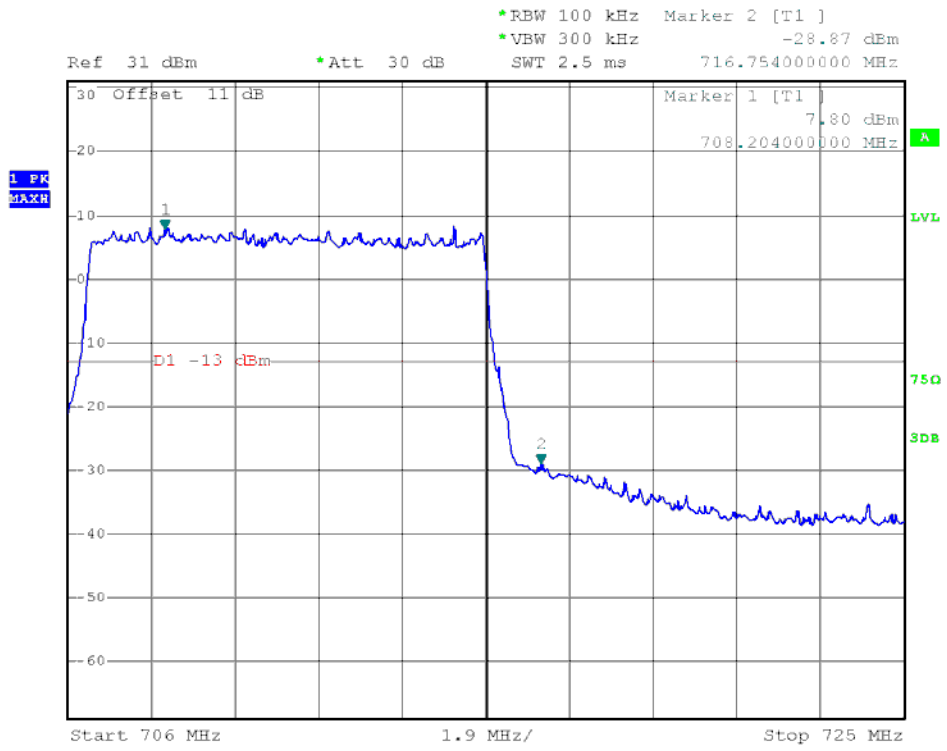
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Lower Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 49



Higher Band Edge Plot for 16QAM -RB Size 50, RB Offset 0

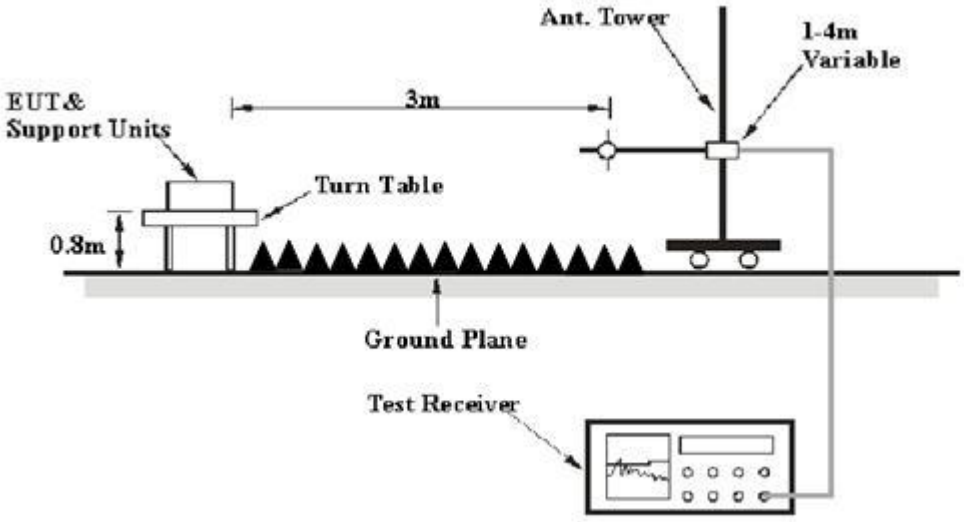
2.7 Transmitter Radiated Power (EIRP/ERP)

2.7.1 Requirement

Effective radiated power output measurements by substitution method according to ANSI / TIA /EIA-603-C-2004, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r01. Mobile and portable (hand-held) stations operating are limited to average ERP of 3 watts with LTE band 17.

2.7.2 Test Description

1. Test Setup:



The EUT, which is powered by the DC 3.8V Power Supply directly, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

2. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due Date
System Simulator	R&S	CMW500	149333	2014.07.21	2015.07.20
EMI Test Receiver	R&S	ESIB26	100130	2014.07.07	2015.07.06

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due Date
System Simulator	R&S	CMW500	149333	2014.07.21	2015.07.20
Full-Anechoic Chamber	Albatross～Projects	12.8m*6.8m*6.4m	A0412372	2014.01.05	2015.01.04
Double ridge horn antenna(1GHz~18GHz)	R&S	HF906	100150	2014.06.11	2015.06.10
Broadband antenna (30MHz~1GHz)	R&S	HL562	101341	2014.06.11	2015.06.10
Cable	SUNHNER	SUCOFLEX 100	/	2014.06.05	2015.06.04
Cable	SUNHNER	SUCOFLEX 104	/	2014.06.05	2015.06.04

2.7.3 Test Procedures

1. The EUT was placed on a turntable with 1.5 meter height in a fully anechoic chamber.
2. The EUT was set at 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer which used a channel power option across EUT's signal bandwidth per section 4.0 of KDB 971168 D01.
4. The table was rotated 360 degrees to determine the position of the highest radiated power.
5. The height of the receiving antenna is adjusted to look for the maximum ERP/EIRP.
6. Taking the record of maximum ERP/EIRP.
7. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
8. The conducted power at the terminal of the dipole antenna is measured.
9. Repeat step 3 to step 5 to get the maximum ERP/EIRP of the substitution antenna.
10. ERP/EIRP = Ps + Et – Es + Gs = Ps + Rt – Rs + Gs

Ps (dBm)：Input power to substitution antenna.
Gs (dBi or dBd)：Substitution antenna Gain.
Et = Rt + AF
Es = Rs + AF
AF (dB/m)：Receive antenna factor
Rt：The highest received signal in spectrum analyzer for EUT.
Rs：The highest received signal in spectrum analyzer for substitution antenna.

2.7.4 Test Result of ERP/EIRP

1. LTE Band 4 Test Verdict:

LTE Band	BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	ERP (dBm)	H/V	Verdict
			RB Size	RB Offset				
4	1.4	QPSK	1	2	1710.7	19.51	H	PASS
4	1.4	QPSK	1	2	1732.5	19.48	H	PASS
4	1.4	QPSK	1	2	1754.3	19.53	H	PASS
4	1.4	QPSK	1	2	1710.7	18.86	V	PASS
4	1.4	QPSK	1	2	1732.5	18.95	V	PASS
4	1.4	QPSK	1	2	1754.3	18.47	V	PASS
4	1.4	16QAM	1	5	1710.7	17.49	H	PASS
4	1.4	16QAM	1	0	1732.5	17.56	H	PASS
4	1.4	16QAM	1	0	1754.3	17.55	H	PASS
4	1.4	16QAM	1	5	1710.7	16.87	V	PASS
4	1.4	16QAM	1	0	1732.5	16.88	V	PASS
4	1.4	16QAM	1	0	1754.3	16.92	V	PASS
4	3	QPSK	1	7	1711.5	19.55	H	PASS
4	3	QPSK	1	7	1732.5	19.47	H	PASS
4	3	QPSK	1	7	1753.5	19.50	H	PASS
4	3	QPSK	1	7	1711.5	18.75	V	PASS
4	3	QPSK	1	7	1732.5	18.84	V	PASS
4	3	QPSK	1	7	1753.5	18.56	V	PASS
4	3	16QAM	1	14	1711.5	17.52	H	PASS
4	3	16QAM	1	0	1732.5	17.54	H	PASS
4	3	16QAM	1	0	1753.5	17.57	H	PASS
4	3	16QAM	1	14	1711.5	16.87	V	PASS
4	3	16QAM	1	0	1732.5	16.92	V	PASS
4	3	16QAM	1	0	1753.5	16.90	V	PASS
4	5	QPSK	1	12	1712.5	19.62	H	PASS
4	5	QPSK	1	12	1732.5	19.52	H	PASS
4	5	QPSK	1	12	1752.5	19.49	H	PASS
4	5	QPSK	1	12	1712.5	18.86	V	PASS
4	5	QPSK	1	12	1732.5	18.80	V	PASS
4	5	QPSK	1	12	1752.5	18.76	V	PASS
4	5	16QAM	1	24	1712.5	17.65	H	PASS
4	5	16QAM	1	0	1732.5	17.58	H	PASS
4	5	16QAM	1	0	1752.5	17.66	H	PASS
4	5	16QAM	1	24	1712.5	16.92	V	PASS
4	5	16QAM	1	0	1732.5	16.95	V	PASS
4	5	16QAM	1	0	1752.5	16.80	V	PASS
4	10	QPSK	1	24	1715	19.57	H	PASS

LTE Band	BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	ERP (dBm)	H/V	Verdict
			RB Size	RB Offset				
4	10	QPSK	1	24	1732.5	19.59	H	PASS
4	10	QPSK	1	24	1750	19.51	H	PASS
4	10	QPSK	1	24	1715	18.77	V	PASS
4	10	QPSK	1	24	1732.5	18.82	V	PASS
4	10	QPSK	1	24	1750	18.73	V	PASS
4	10	16QAM	1	49	1715	17.59	H	PASS
4	10	16QAM	1	0	1732.5	17.55	H	PASS
4	10	16QAM	1	0	1750	17.63	H	PASS
4	10	16QAM	1	49	1715	16.82	V	PASS
4	10	16QAM	1	0	1732.5	16.85	V	PASS
4	10	16QAM	1	0	1750	16.83	V	PASS
4	15	QPSK	1	37	1717.5	19.54	H	PASS
4	15	QPSK	1	37	1732.5	19.60	H	PASS
4	15	QPSK	1	37	1747.5	19.57	H	PASS
4	15	QPSK	1	37	1717.5	18.73	V	PASS
4	15	QPSK	1	37	1732.5	18.85	V	PASS
4	15	QPSK	1	37	1747.5	18.79	V	PASS
4	15	16QAM	1	74	1717.5	17.54	H	PASS
4	15	16QAM	1	0	1732.5	17.52	H	PASS
4	15	16QAM	1	0	1747.5	17.61	H	PASS
4	15	16QAM	1	74	1717.5	16.86	V	PASS
4	15	16QAM	1	0	1732.5	16.81	V	PASS
4	15	16QAM	1	0	1747.5	16.89	V	PASS
4	20	QPSK	1	49	1720	19.73	H	PASS
4	20	QPSK	1	49	1732.5	19.75	H	PASS
4	20	QPSK	1	49	1745	19.52	H	PASS
4	20	QPSK	1	49	1720	19.69	V	PASS
4	20	QPSK	1	49	1732.5	19.64	V	PASS
4	20	QPSK	1	49	1745	19.58	V	PASS
4	20	16QAM	1	99	1720	17.83	H	PASS
4	20	16QAM	1	0	1732.5	17.76	H	PASS
4	20	16QAM	1	0	1745	17.95	H	PASS
4	20	16QAM	1	99	1720	17.13	V	PASS
4	20	16QAM	1	0	1732.5	17.06	V	PASS
4	20	16QAM	1	0	1745	17.24	V	PASS

2. LTE Band 17 Test Verdict:

LTE Band	BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	ERP (dBm)	H/V	Verdict
			RB Size	RB Offset				
17	5	QPSK	1	24	706.5	19.25	H	PASS
17	5	QPSK	1	24	710	19.30	H	PASS
17	5	QPSK	1	12	713.5	19.33	H	PASS
17	5	QPSK	1	24	706.5	18.46	V	PASS
17	5	QPSK	1	24	710	18.55	V	PASS
17	5	QPSK	1	12	713.5	18.47	V	PASS
17	5	16QAM	1	24	706.5	17.59	H	PASS
17	5	16QAM	1	24	710	17.76	H	PASS
17	5	16QAM	1	12	713.5	17.65	H	PASS
17	5	16QAM	1	24	706.5	16.57	V	PASS
17	5	16QAM	1	24	710	16.48	V	PASS
17	5	16QAM	1	12	713.5	16.62	V	PASS
17	10	QPSK	1	49	709	19.63	H	PASS
17	10	QPSK	1	49	710	19.71	H	PASS
17	10	QPSK	1	49	711	19.80	H	PASS
17	10	QPSK	1	49	709	18.29	V	PASS
17	10	QPSK	1	49	710	18.64	V	PASS
17	10	QPSK	1	49	711	18.58	V	PASS
17	10	16QAM	1	24	709	17.73	H	PASS
17	10	16QAM	1	49	710	17.86	H	PASS
17	10	16QAM	1	24	711	17.95	H	PASS
17	10	16QAM	1	24	709	16.73	V	PASS
17	10	16QAM	1	49	710	16.86	V	PASS
17	10	16QAM	1	24	711	16.64	V	PASS

2.8 Radiated Out of Band Emissions

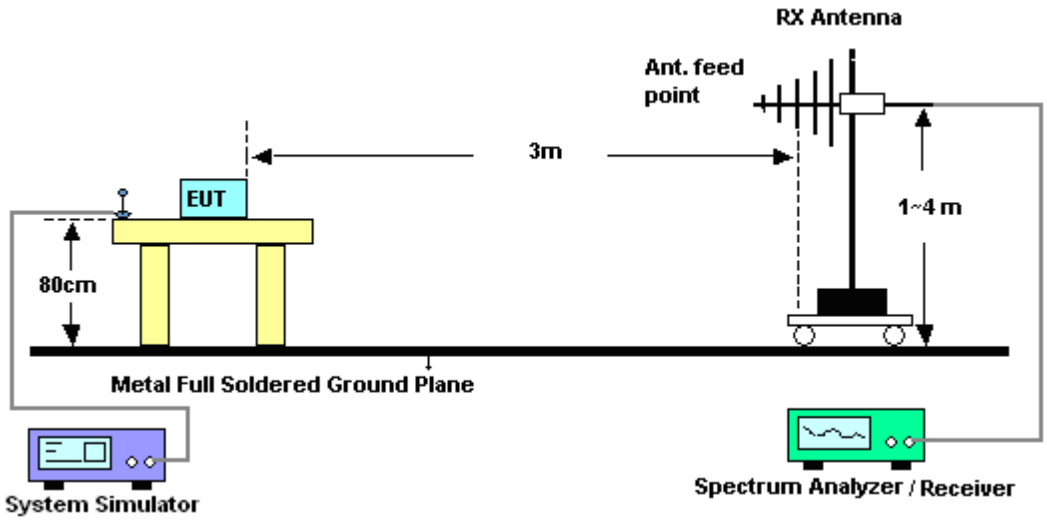
2.8.1 Requirement

The radiated spurious emission was measured by substitution method according to ANSI / TIA /EIA-603-C-2004. 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.

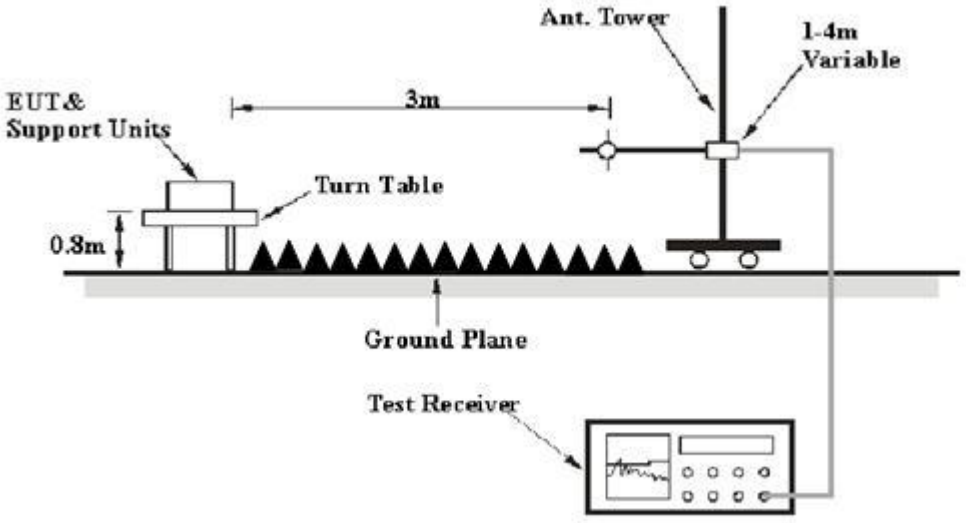
For LTE Band 17
For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

2.8.2 Test Description

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due Date
System Simulator	R&S	CMW500	149333	2014.07.21	2015.07.20
EMI Test Receiver	R&S	ESIB26	100130	2014.07.07	2015.07.06
Full-Anechoic Chamber	Albatross～Projects	12.8m*6.8m*6.4m	A0412372	2014.01.05	2015.01.04
Double ridge horn antenna(1GHz~18GHz)	R&S	HF906	100150	2014.06.11	2015.06.10
Broadband antenna (30MHz~1GHz)	R&S	HL562	101341	2014.06.11	2015.06.10
Horn antenna (18GHz~26.5GHz)	R&S	HM118	101286	2014.06.11	2015.06.10
Cable	SUNHNER	SUCOFLEX 100	/	2014.06.05	2015.06.04
Cable	SUNHNER	SUCOFLEX 104	/	2014.06.05	2015.06.04

2.8.3 Test Procedures

1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. 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.

5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. 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.
11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (dBm) = EIRP - 2.15

2.8.4 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. Both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The variation in frequency was measured for the worst case.

1. Test Verdict:

LTE Band 4

BW (MHz)	Channel	Frequency (MHz)	RB Size	RB Offset	Measured Max. Spurious Emission (dBm)		Limit (dBm)
					Test Antenna Horizontal	Test Antenna Vertical	
1.4	19957	1710.7	1	0	< -25	< -25	-13
1.4	20175	1732.5	1	0	< -25	< -25	
1.4	20393	1754.3	1	0	< -25	< -25	
3	19965	1711.5	1	0	< -25	< -25	
3	20175	1732.5	1	0	< -25	< -25	
3	20385	1753.5	1	0	< -25	< -25	
5	19975	1712.5	1	0	< -25	< -25	
5	20175	1732.5	1	0	< -25	< -25	
5	20375	1752.5	1	0	< -25	< -25	
10	20000	1715	1	0	< -25	< -25	
10	20175	1732.5	1	0	< -25	< -25	
10	20350	1750	1	0	< -25	< -25	
15	20025	1717.5	1	0	< -25	< -25	

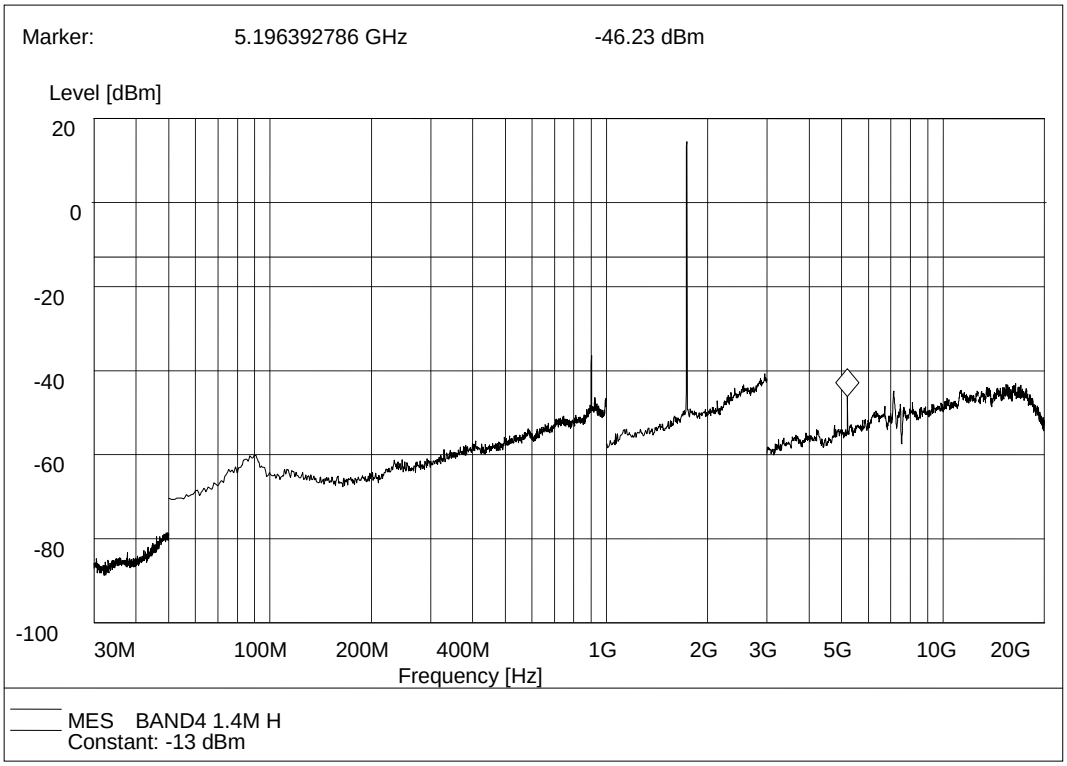
BW (MHz)	Channel	Frequency (MHz)	RB Size	RB Offset	Measured Max. Spurious Emission (dBm)		Limit (dBm)
					Test Antenna Horizontal	Test Antenna Vertical	
15	20175	1732.5	1	0	< -25	< -25	
15	20325	1747.5	1	0	< -25	< -25	
20	20050	1720	1	0	< -25	< -25	
20	20175	1732.5	1	0	< -25	< -25	
20	20300	1745	1	0	< -25	< -25	

LTE Band 17

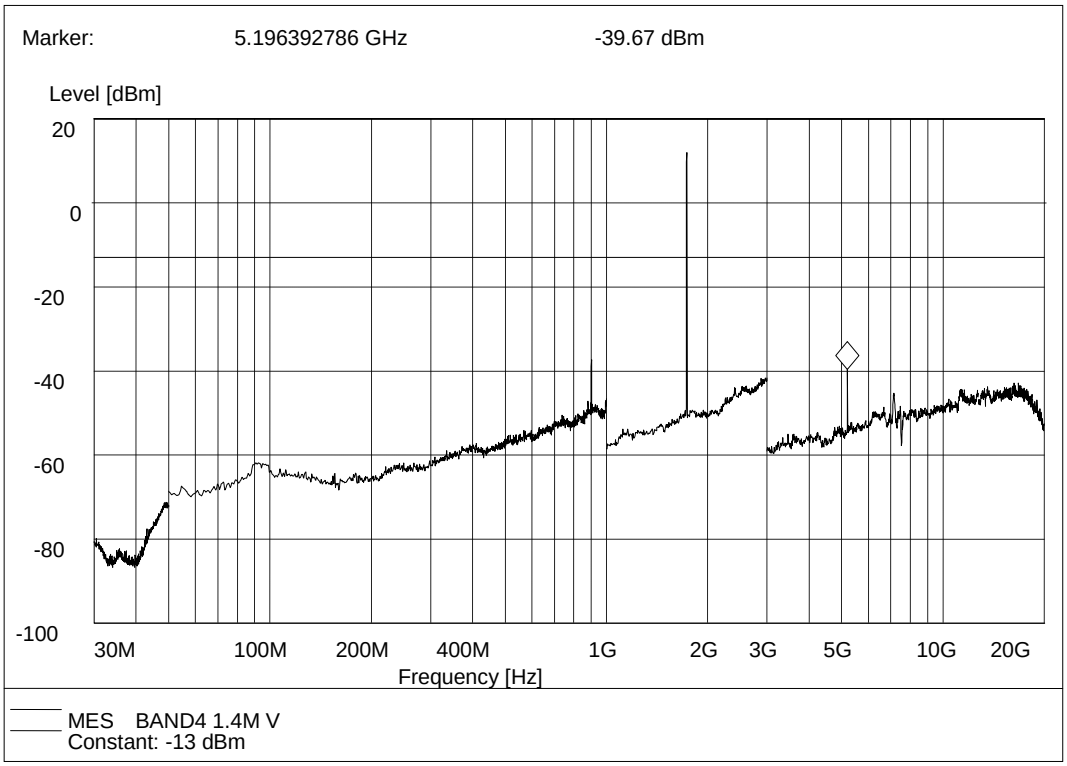
BW (MHz)	Channel	Frequency (MHz)	RB Size	RB Offset	Measured Max. Spurious Emission (dBm)		Limit (dBm)
					Test Antenna Horizontal	Test Antenna Vertical	
5	23755	706.5	1	0	< -25	< -25	-13
5	23790	710	1	0	< -25	< -25	
5	23825	713.5	1	0	< -25	< -25	
10	23780	709	1	0	< -25	< -25	
10	23790	710	1	0	< -25	< -25	
10	23800	711	1	0	< -25	< -25	

2. Test Plots for the Whole Measurement Frequency Range:

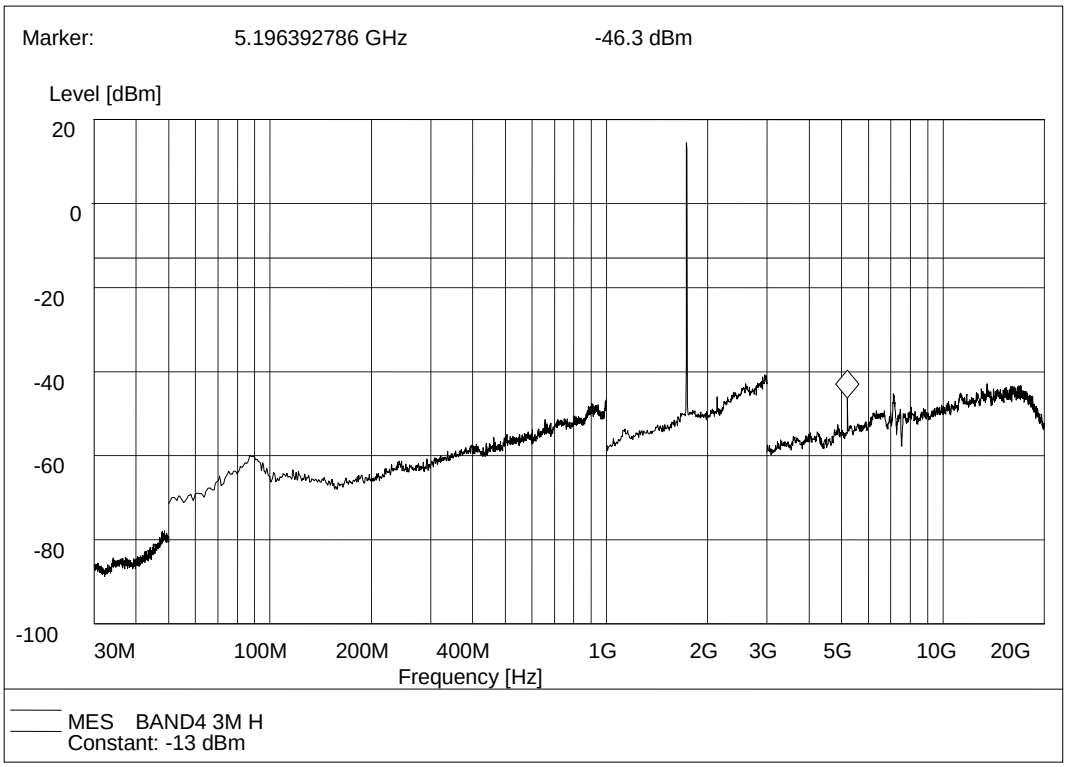
Note: All Spurious Emission tests were performed in X, Y, Z axis direction and low, middle, high channel. And only the worst axis test condition was recorded in this test report.



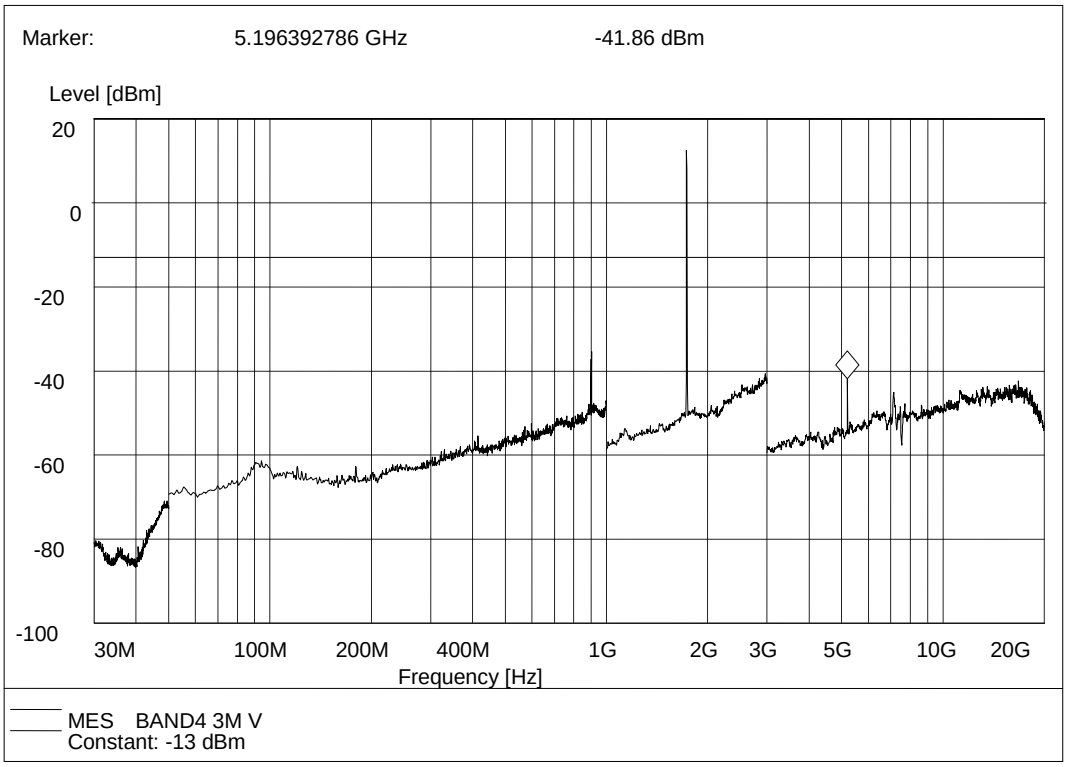
LTE Band 4 QPSK 1.4MHz BW Test Antenna Horizontal



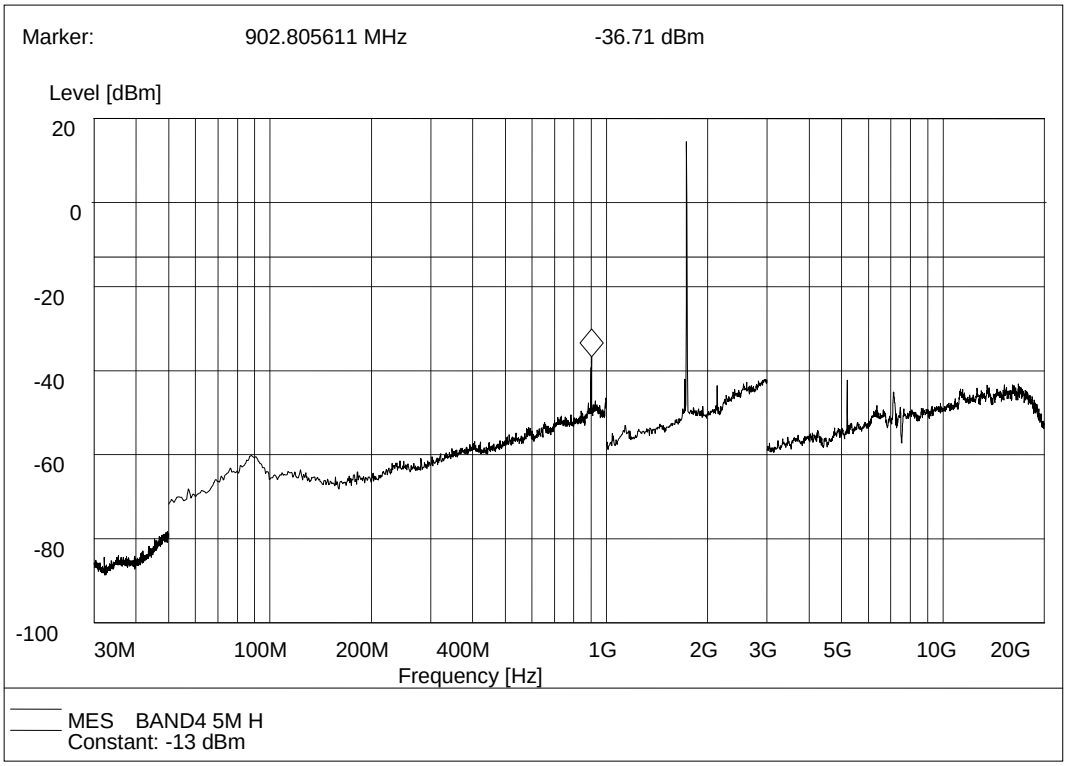
LTE Band 4 QPSK 1.4MHz BW Test Antenna Vertical



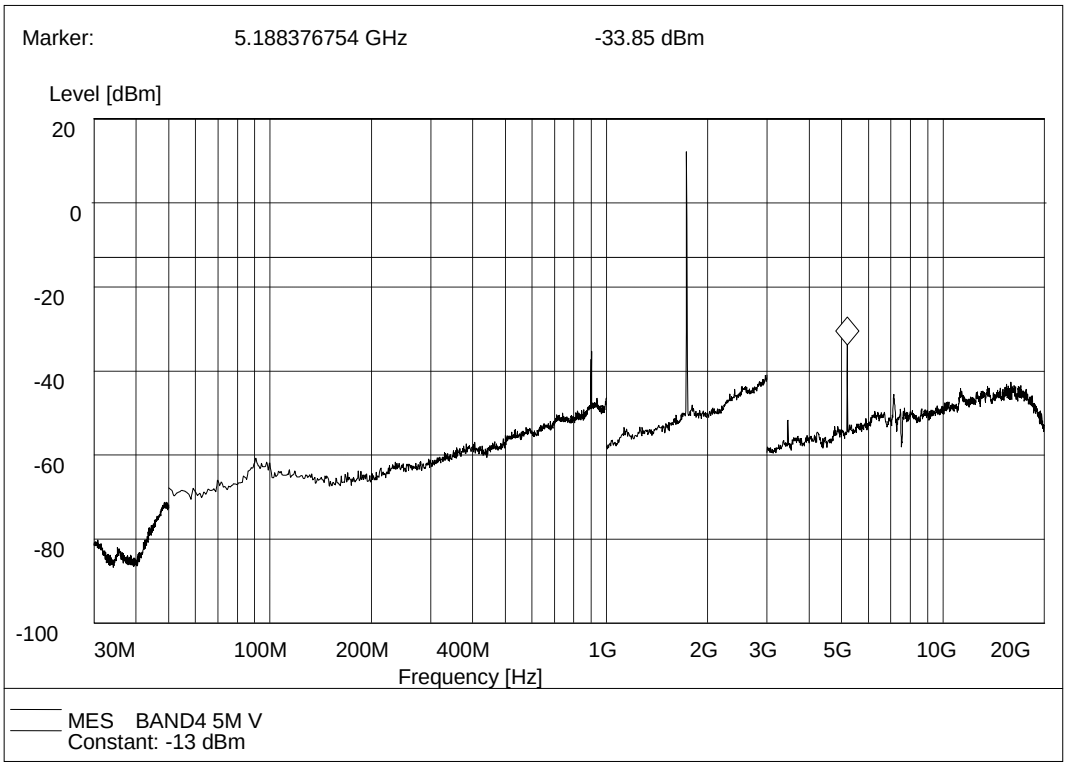
` LTE Band 4 QPSK 3MHz BW Test Antenna Horizontal



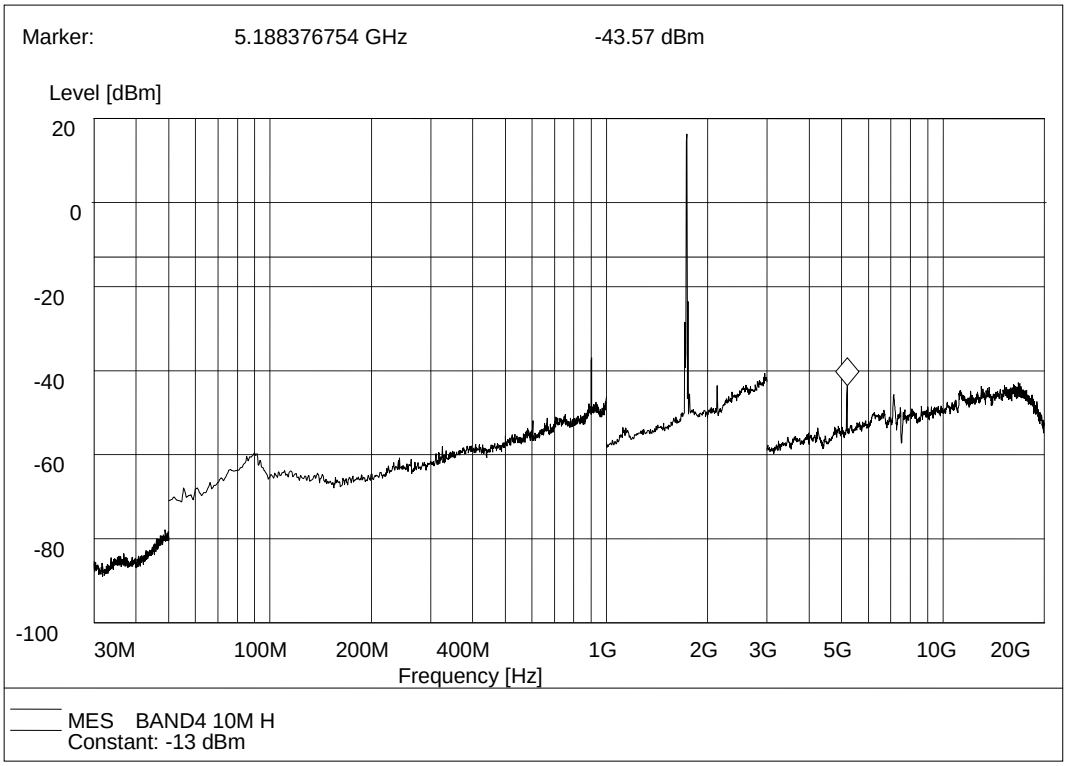
LTE Band 4 QPSK 3MHz BW Test Antenna Vertical



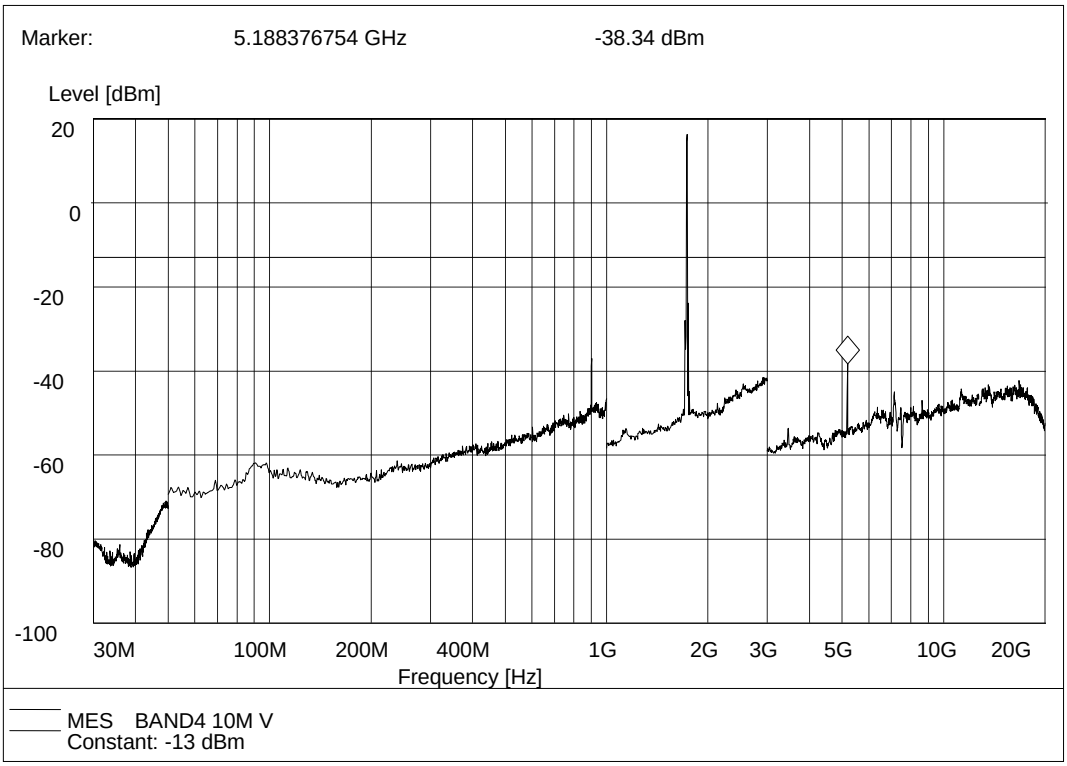
` LTE Band 4 QPSK 5MHz BW Test Antenna Horizontal



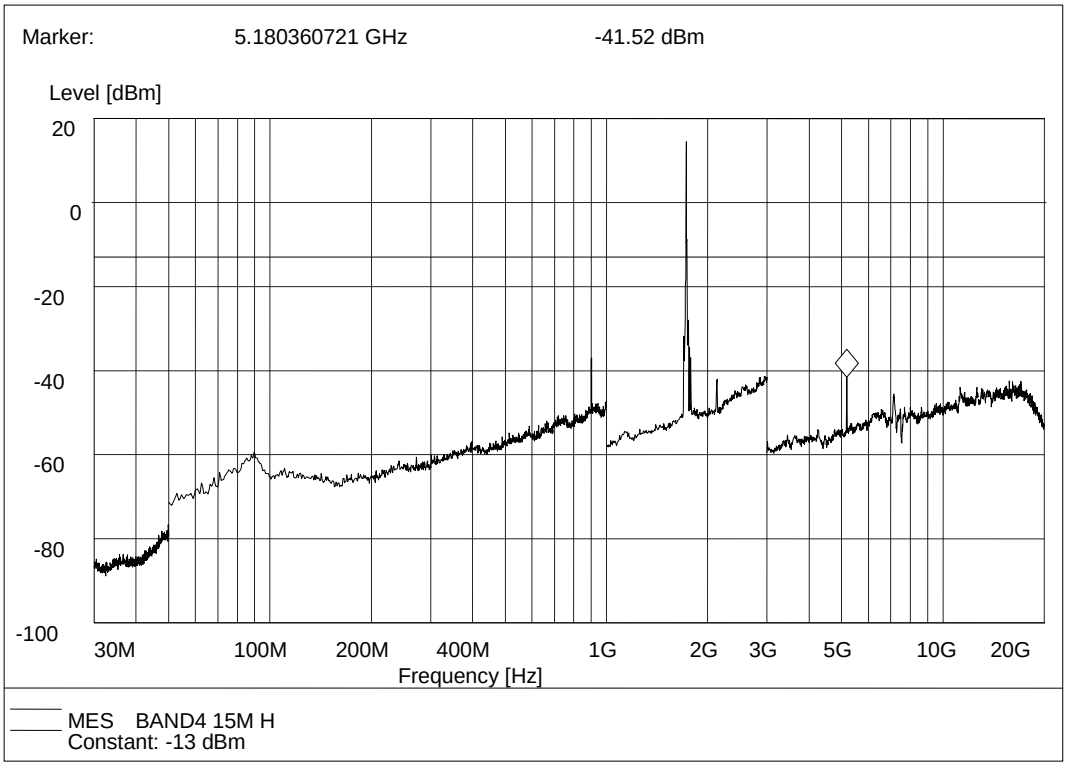
LTE Band 4 QPSK 5MHz BW Test Antenna Vertical



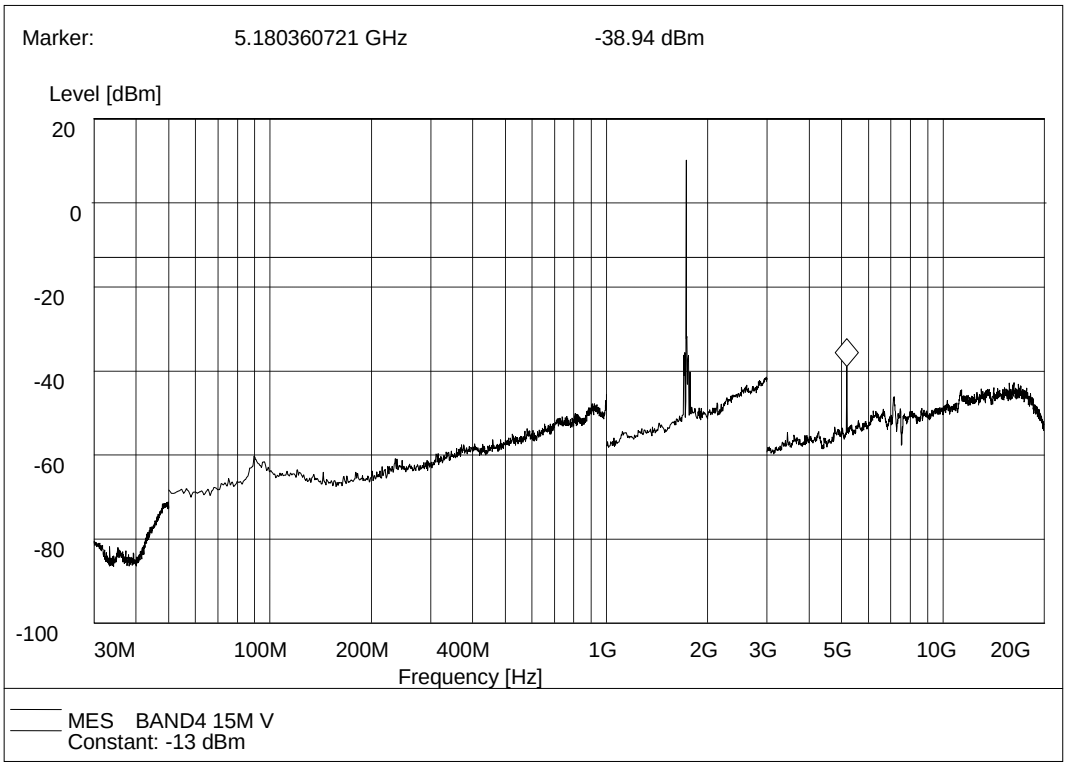
` LTE Band 4 QPSK 10MHz BW Test Antenna Horizontal



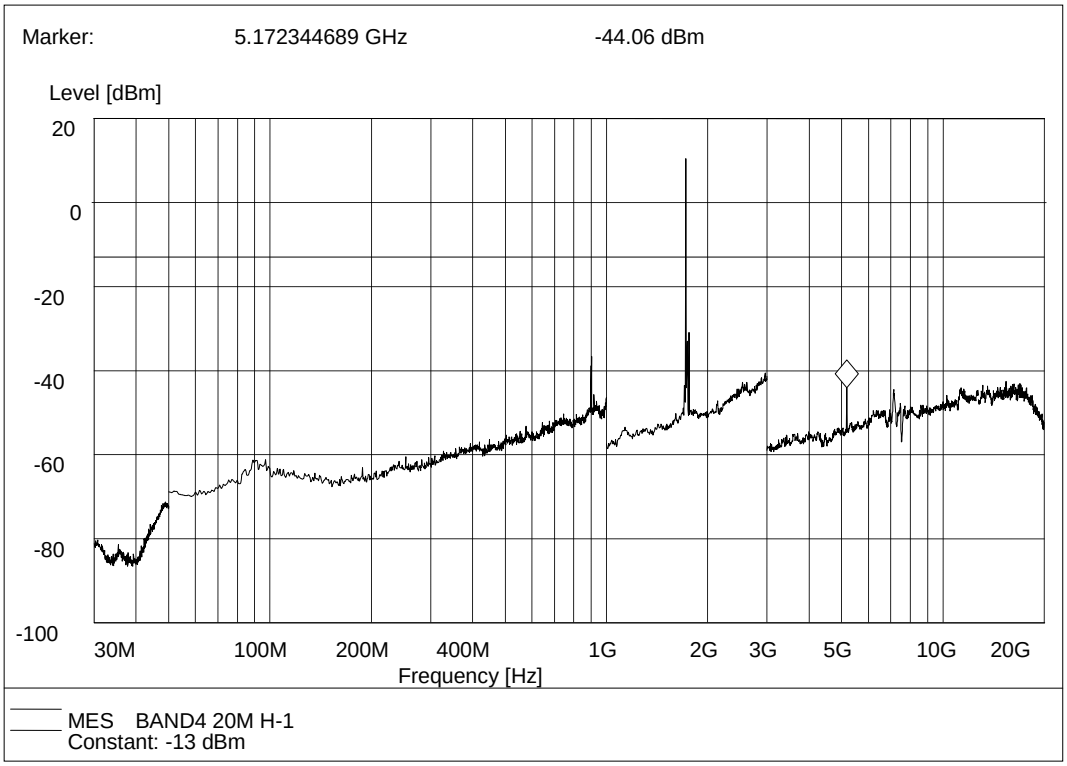
LTE Band 4 QPSK 10MHz BW Test Antenna Vertical



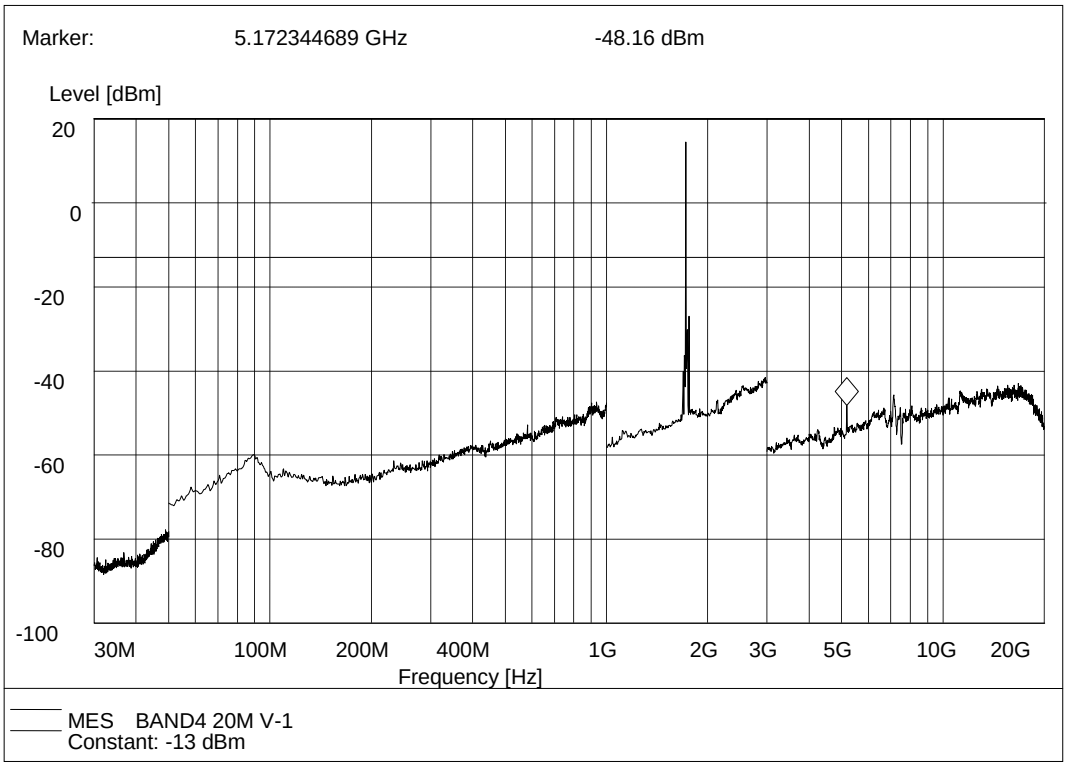
` LTE Band 4 QPSK 15MHz BW Test Antenna Horizontal



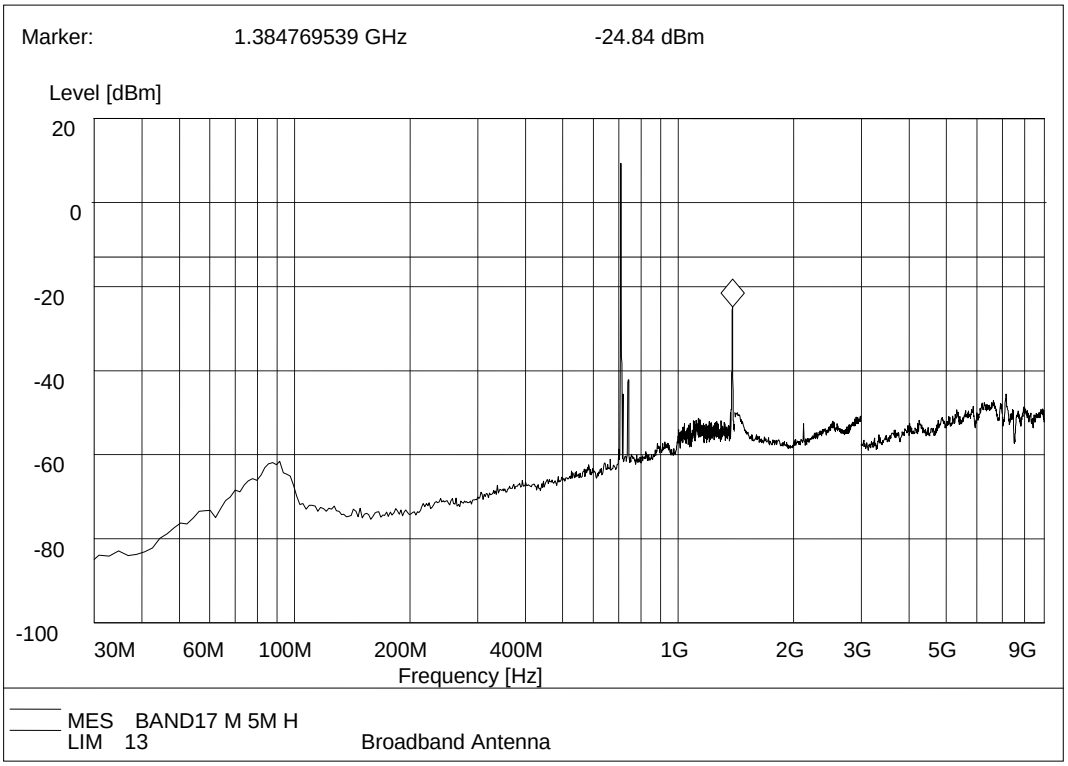
LTE Band 4 QPSK 15MHz BW Test Antenna Vertical



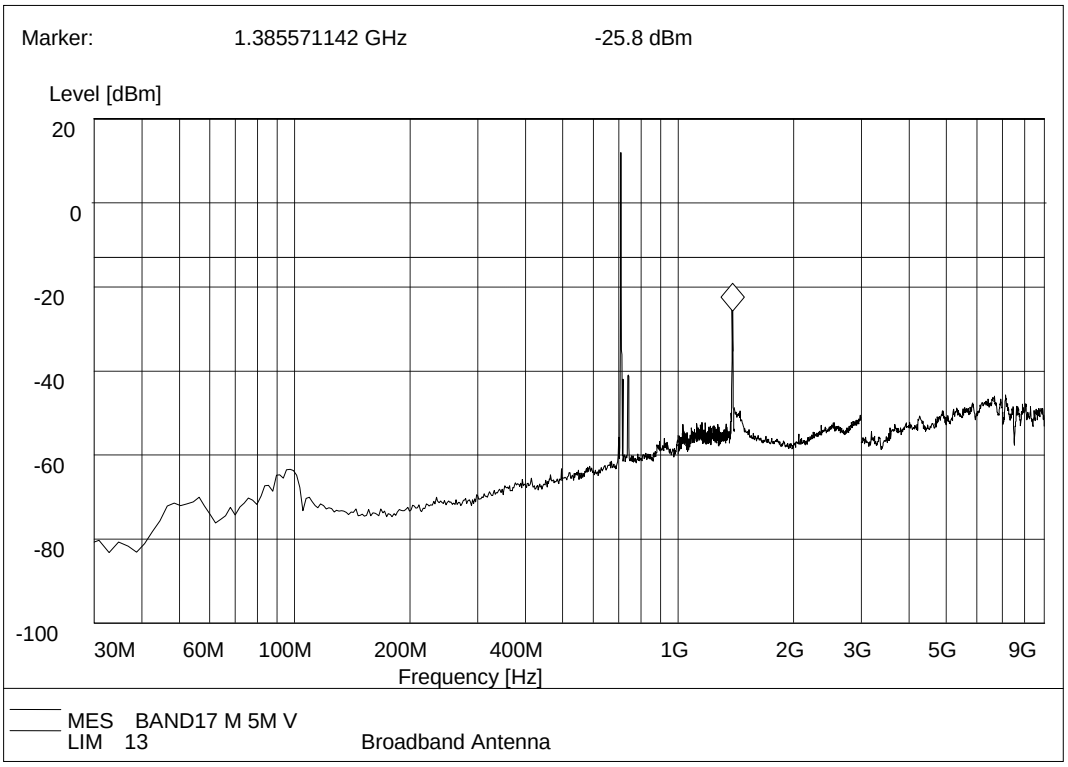
` LTE Band 4 QPSK 20MHz BW Test Antenna Horizontal



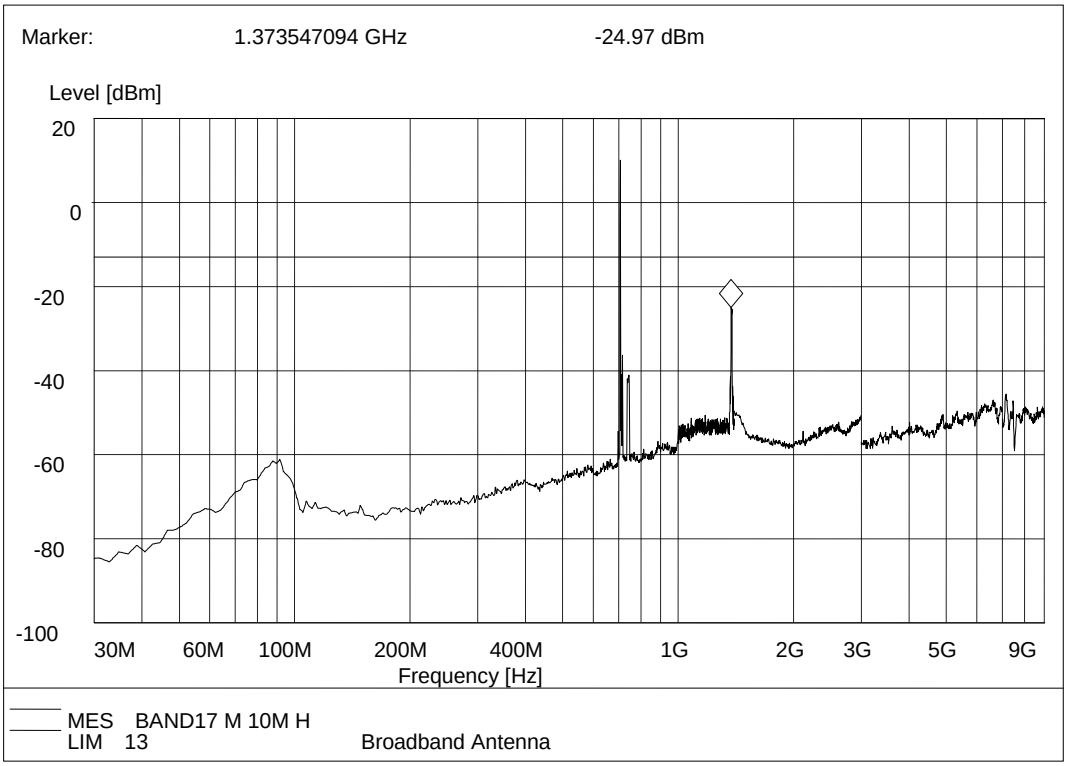
LTE Band 4 QPSK 20MHz BW Test Antenna Vertical



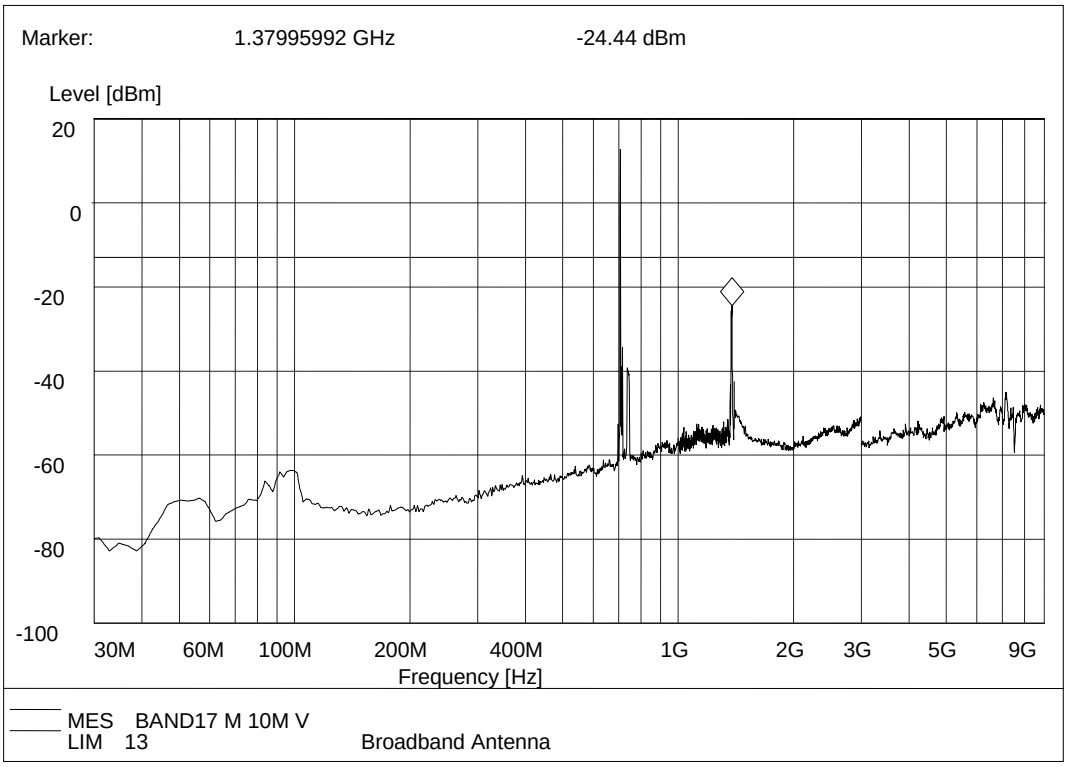
` LTE Band 17 QPSK 5MHz BW Test Antenna Horizontal



LTE Band 17 QPSK 5MHz BW Test Antenna Vertical



` LTE Band 17 QPSK 10MHz BW Test Antenna Horizontal



LTE Band 17 QPSK 10MHz BW Test Antenna Vertical

Annex A Accreditation Certificate

China National Accreditation Service for Conformity Assessment

LABORATORY ACCREDITATION CERTIFICATE

(Registration No. CNAS L1659)

CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.

Building 28/29, Shigudong, Xili Industrial Area, Xili Street,

Nanshan District, Shenzhen, Guangdong, China

is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence of testing and calibration.

The scope of accreditation is detailed in the attached appendices bearing the same registration number as above. The appendices form an integral part of this certificate.

Date of Issue: 2012-09-29

Date of Expiry: 2015-09-28

Date of Initial Accreditation: 1999-08-03

Date of Update: 2012-09-29

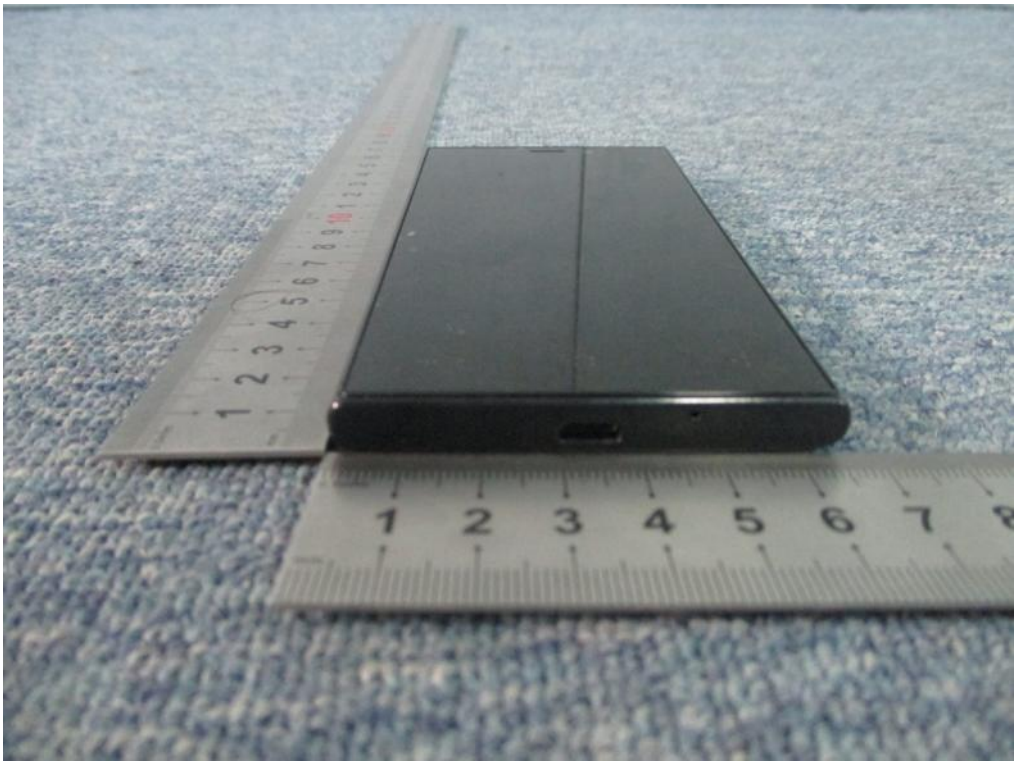
Signed on behalf of China National Accreditation Service for Conformity Assessment

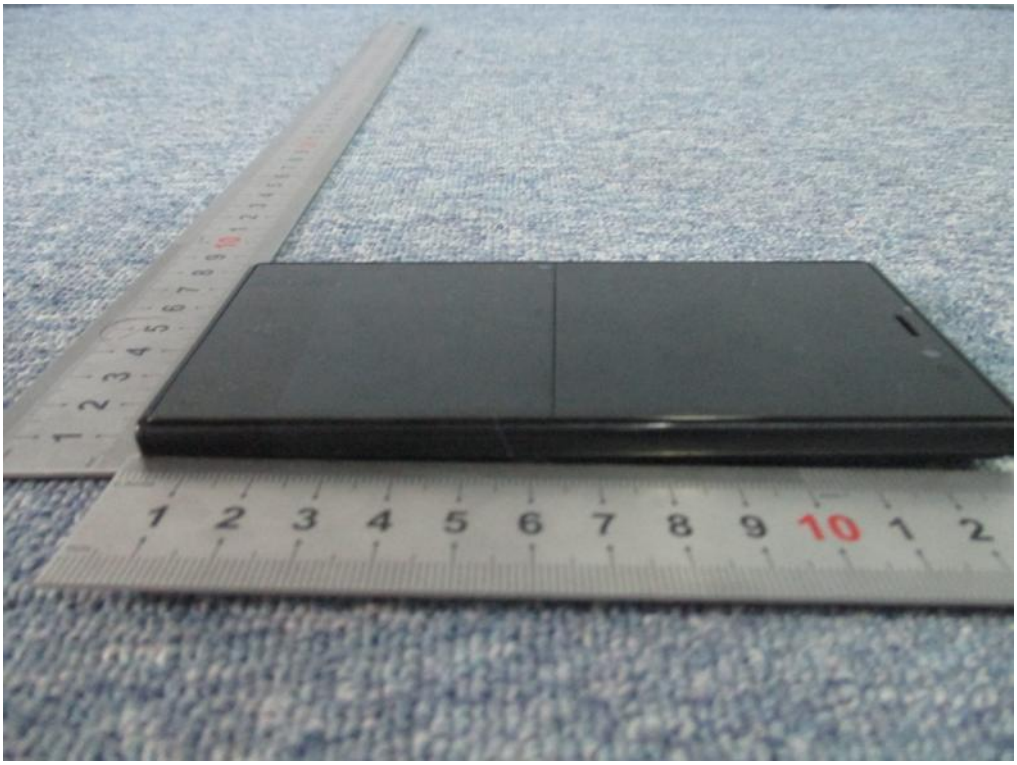
China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is the signatory to International Laboratory Accreditation Cooperation Multilateral Recognition Arrangement (ILAC MRA) and Asia Pacific Laboratory Accreditation Cooperation Multilateral Recognition Arrangement (APLAC MRA).

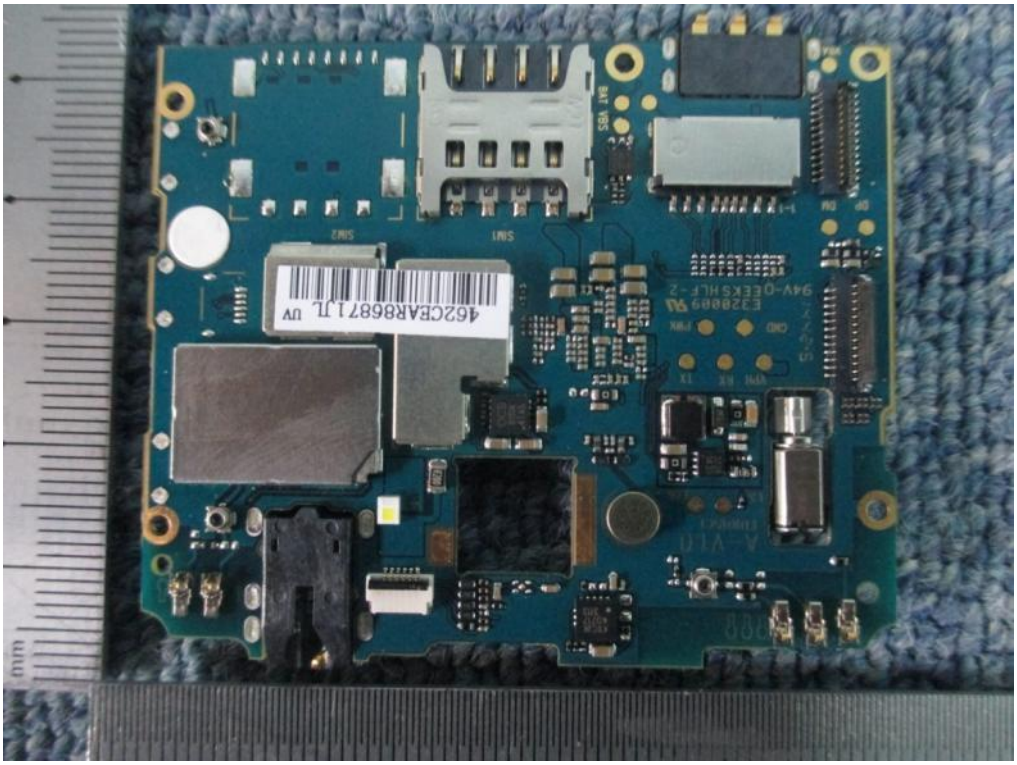
No.CNAS AL 2

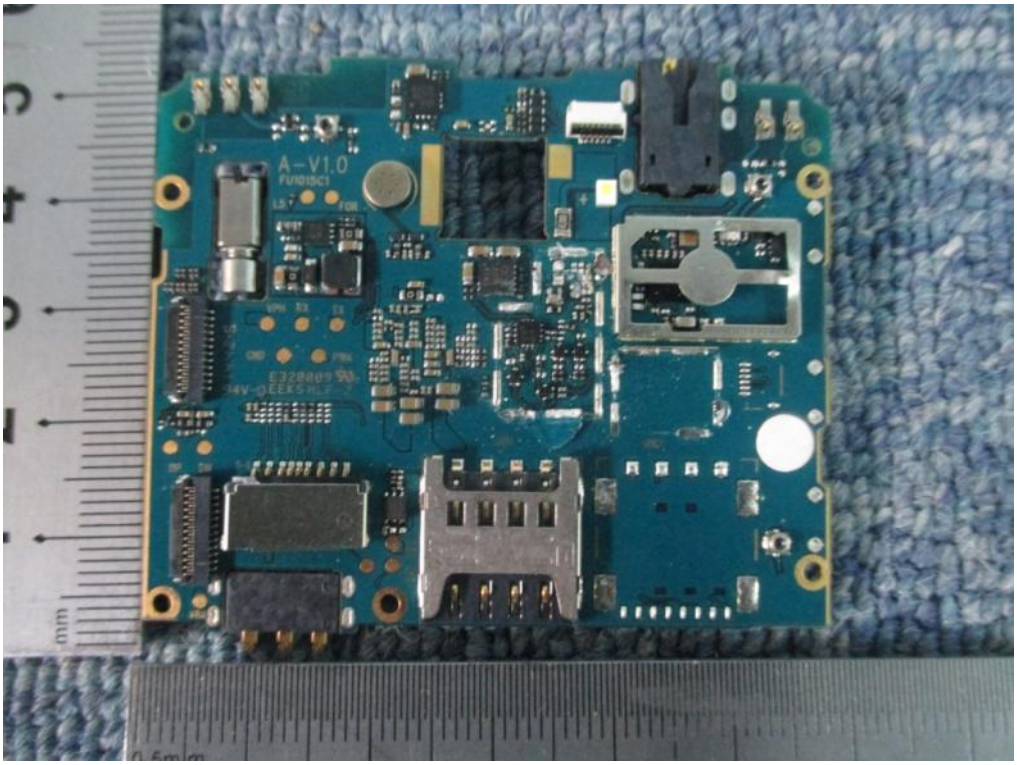
0005210

Annex B PHOTOGRAPHS OF THE EUT





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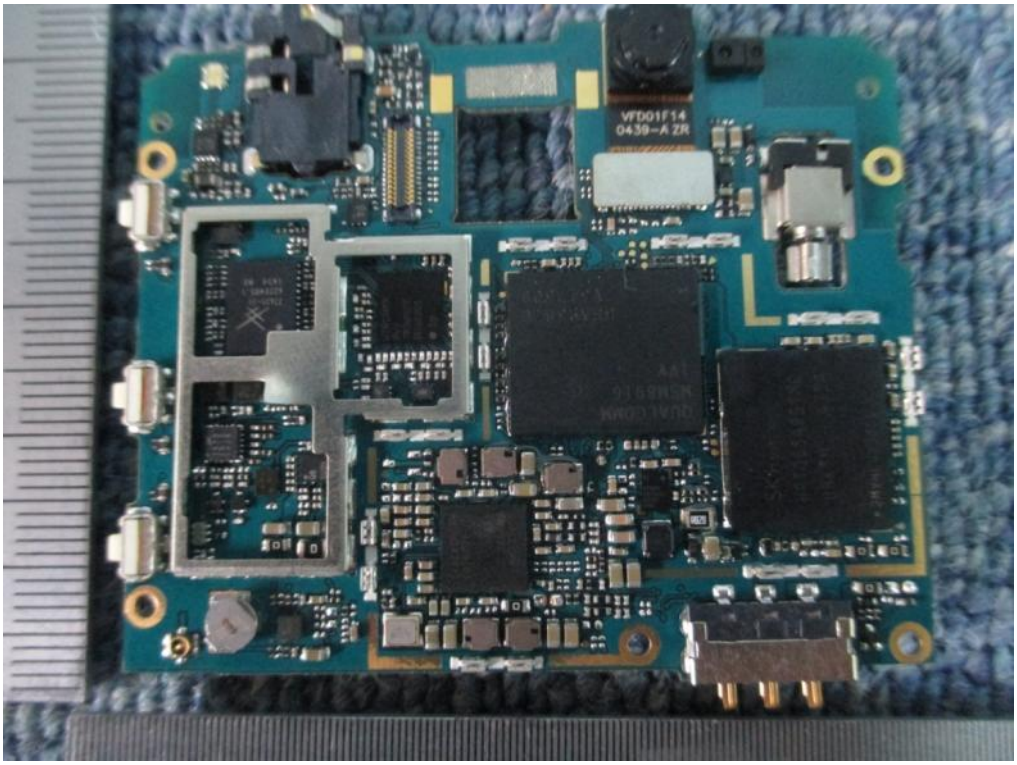
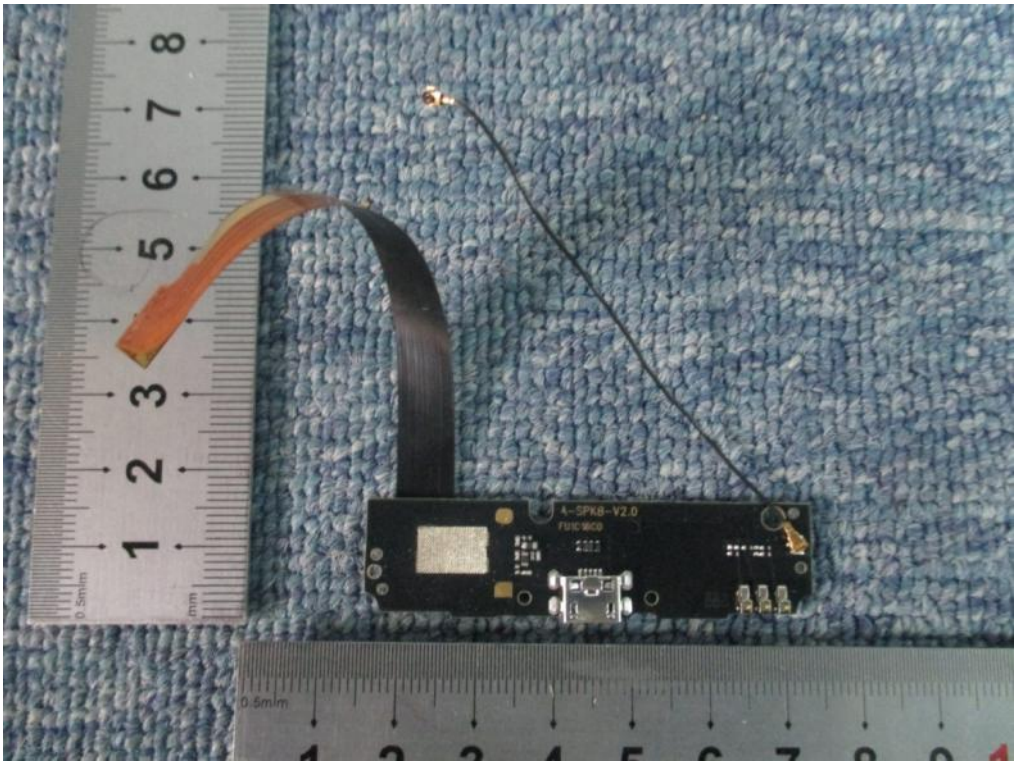
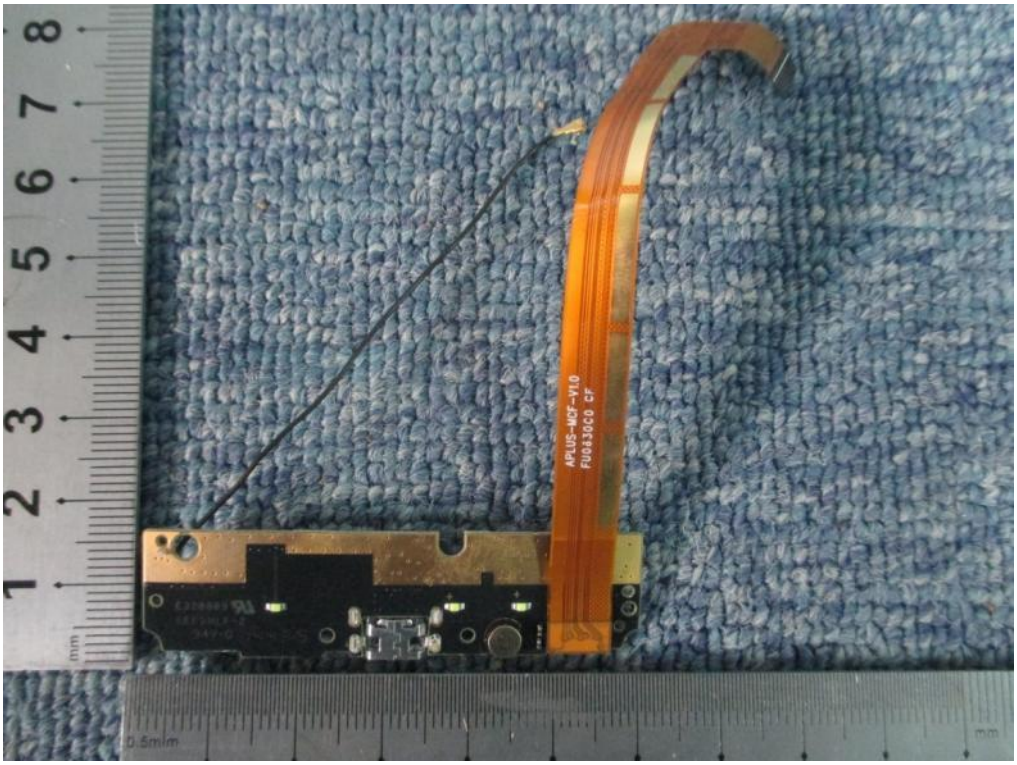



A-SPK8-V2.0
0.5mm


APLUS-MCF-V1.0
FU04300C0 CF
0.5mm

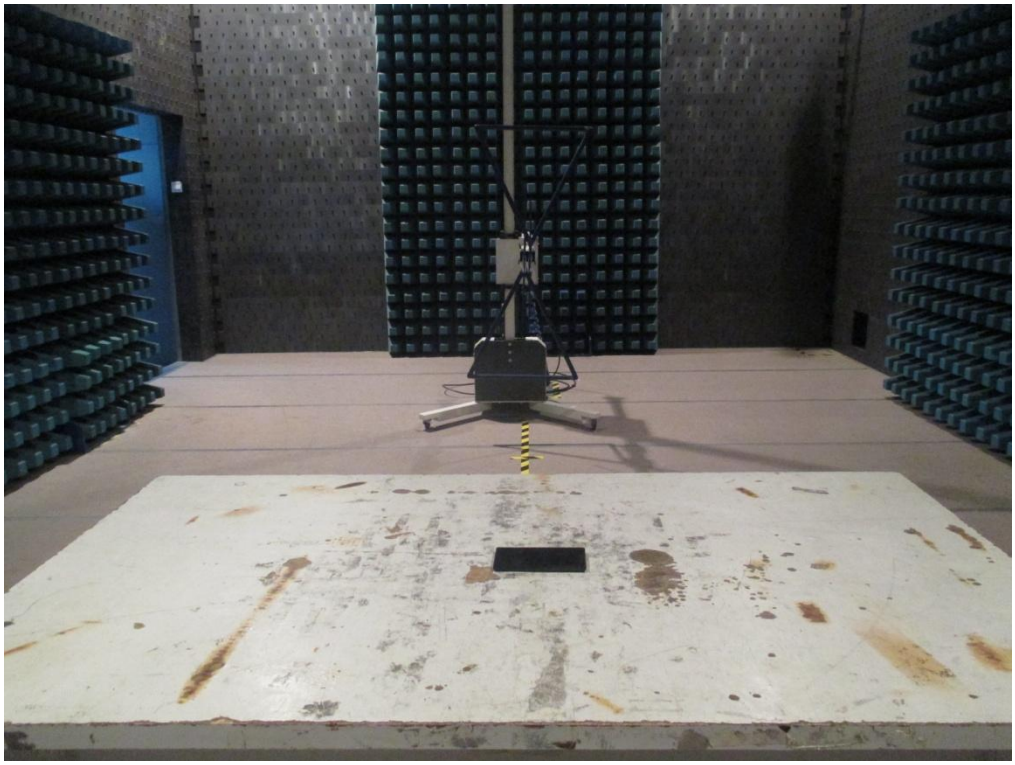

M4
ADAPTADOR DE CORRIENTE ca/cc
MARCA:M4
MODELO: A8-501000
ESPECIFICACIONES ELÉCTRICAS:
ENTRADA:100-240Vca 50/60Hz 150mA
SALIDA:5.0Vcc 1000mA
5.00 Wh CARGA
0,15 Wh SIN CARGA
LISTED
E466731
NOM
Hecho en China


M4
Li-Ion BATTERY
Model: M2000A
Rated capacity: 2000mAh 7.4Wh
Normal voltage:3.7V
Charging limited voltage:4.2V
CAUTION:
• Do not short-circuit the battery.
• Do not discard the battery into fire.
• Do not use any battery charger other than the specified one.
• Do not charge or expose the battery pack out of the temperature range 0℃-45℃.
MFOURTEL MEXICO S.A. DE C.V.
2014-10-25
S/N:WK44141025000412
MADE IN CHINA

Annex C PHOTOGRAPHS OF THE TEST SETUP

1. Conducted Measurement Setup

2. Radiated Measurement Setup



** END OF REPORT **