

FCC

CERTIFICATION TEST REPORT

For

Rugged Tablet

MODEL No.: xTablet T8650

FCC ID: O86T8650

Trademark: MobileDemand

REPORT NO.: ES160623027E7

ISSUE DATE: July 27, 2016

Prepared for

MobileDemand, L.C.

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Prepared by

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1 TEST RESULT CERTIFICATION

Applicant:	MobileDemand, L.C. 1501 Boyson Sq Dr, Ste 101 Hiawatha, Iowa, United States 52233
Manufacturer:	MSI ELECTRONICS (KUNSHAN) CO LTD. No. 88 E QUANJIN RD KUNSHAN JIANGSU, CHINA
Product Description:	Rugged Tablet
Trademark:	MobileDemand
Model Number:	xTablet T8650
File Number:	ES160623027E7
Date of Test:	June 24, 2016 to July 27, 2016

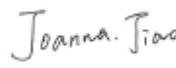
Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 22, Subpart H FCC 47 CFR Part 24, Subpart E FCC 47 CFR Part 27	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.25 (2015) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2, 22(H), 24(E), 27.

The test results of this report relate only to the tested sample identified in this report

Date of Test : June 24, 2016 to July 27, 2016

Prepared by : 
Joanna Jiao /Editor

Reviewer : 
Joe Xia /Supervisor

Approve & Authorized Signer : 
Lisa Wang/Manager

2 EUT TECHNICAL DESCRIPTION

Characteristics	Description	
Device Type	LTE	
Operation Band:	LTE BAND2, LTE BAND4, LTE BAND5, LTE BAND13, LTE BAND17, LTE BAND25,	
Modulation:	QPSK, 16QAM	
Operating Frequency Range(s):	TX 1850 to 1910MHz /RX 1930 to 1990MHz for LTE BAND2 TX 1710 to 1755MHz /RX 2110 to 2155MHz for LTE BAND4 TX 824 to 849MHz /RX 869 to 894MHz for LTE BAND5 TX 777 to 787MHz /RX 746 to 756MHz for LTE BAND13 TX 704 to 716MHz /RX 734 to 746MHz for LTE BAND17 TX 1850 – 1915MHz /RX 1930 – 1995MHz for LTE BAND25	
Supported Channel Bandwidth:	LTE BAND2	☐ 1.4MHz, ☐ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz,
	LTE BAND4	☐ 1.4MHz, ☐ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz,
	LTE BAND5	☐ 1.4MHz, ☐ 3MHz, ☒ 5MHz, ☒ 10MHz
	LTE BAND13	☒ 5MHz, ☒ 10MHz
	LTE BAND17	☒ 5MHz, ☒ 10MHz
	LTE BAND25	☐ 1.4MHz, ☐ 3MHz, ☒ 5MHz, ☒ 10MHz, ☒ 15MHz, ☒ 20MHz,
Transmit Power Max:	26.06dBm for LTE BAND2 25.41dBm for LTE BAND4 17.36dBm for LTE BAND5 17.71dBm for LTE BAND13 20.76dBm for LTE BAND17 25.71dBm for LTE BAND25	
TX and RX Antenna:	TX & RX	1
	TX-only	0
	RX-only	1
Antenna Type	FPC antenna	
Antenna Gain	2.34dBi for LTE BAND2 1.93dBi for LTE BAND4 -3.43dBi for LTE BAND5 -3.14dBi for LTE BAND13 0dBi for LTE BAND17 2.23dBi for LTE BAND25	
Power supply	☒ 3.7V internal rechargeable lithium battery ☒ DC 19V from adapter	
	☒ Adapter: Model: A12-065N2A Rev: 02 AC Input: 100-240V~1.7A 50-60Hz DC Output: 19v/3.42A 65W	

Note: for more details, please refer to the User's manual of the EUT.

3 SUMMARY OF TEST RESULT

FCC Rule	IC Rule	Test Parameter	Verdict	Remark
2.1046	RSS-132, 5.4 RSS-133, 6.4	RF Power Output	PASS	
22.913, 24.232, 27.50	RSS-132, 5.4 RSS-133, 6.4	Equivalent (Isotropic) Radiated Power	PASS	
2.1047	RSS-132, 5.2 RSS-133, 6.2	Modulation Characteristics	PASS	
2.1049	RSS-Gen, 6.6	Occupied Bandwidth	PASS	
2.1051, 22.917, 24.238, 27.53	RSS-132, 5.5 RSS-133, 6.5	Out of Band Emissions at Antenna Terminals	PASS	
		Band Edge Emission	PASS	
2.1053, 22.917, 24.238, 27.53	RSS-132, 5.5 RSS-133, 6.5	Field Strength of Spurious Radiation	PASS	
2.1055, 22.355, 24.235, 27.54	RSS-132, 5.3 RSS-133, 6.3	Frequency Stability versus Temperature	PASS	
		Frequency Stability versus Voltage	PASS	
24.232, 27.50		Peak to Average Ratio	PASS	
NOTE1: N/A (Not Applicable)				

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: O86T8650 filing to comply with FCC 47 CFR Part 2, 22(H), 24(E), 27 and RSS-Gen, RSS-132, RSS-133.

The system is compliance with Subpart B is authorized under a DOC procedure

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 27

KDB971168 D01: v02r02

ANSI/TIA-603-D-2010

ANSI C63.26:2015

4.2 MEASUREMENT EQUIPMENT USED

4.2.1 Radiated Emission Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.
EMI Test Receiver	R & S	ESU	1302.6005.26	05/16/2016
Pre-Amplifier	HP	8447D	2944A07999	05/16/2016
Bilog Antenna	Schwarzbeck	VULB9163	142	05/16/2016
Loop Antenna	ARA	PLA-1030/B	1029	05/16/2016
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	05/16/2016
Horn Antenna	Schwarzbeck	BBHA 9120	D143	05/16/2016
Cable	Schwarzbeck	AK9513	ACRX1	05/16/2016
Cable	Rosenberger	N/A	FP2RX2	05/16/2016
Cable	Schwarzbeck	AK9513	CRPX1	05/16/2016
Cable	Schwarzbeck	AK9513	CRRX2	05/16/2016
Cable	H+B	0.5M SF104-26.5	289147/4	05/16/2016
Cable	H+B	3M SF104-26.5	295838/4	05/16/2016
Cable	H+B	6M SF104-26.5	295840/4	05/16/2016

4.2.2 Radio Frequency Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.
Spectrum Analyzer	Agilent	E4407B	88156318	05/16/2016
Power meter	Anritsu	ML2495A	0824006	05/16/2016
Power sensor	Anritsu	MA2411B	0738172	05/16/2016
Spectrum Analyzer	Agilent	N9010A	My53470879	05/16/2016
Spectrum Analyzer	R & S	FSV30	103040	05/16/2016
Spectrum Analyzer	R & S	FSV40	132.1-3008K39-100967-AP	05/16/2016
Universal Radio Communication	R&S	CMW500	1201.0002K50-140822zk	05/16/2016
Universal Radio Communication	R&S	CMU200	111226	05/16/2016
Power Splitter	Mini-Circuits	ZFRSC-183-S +	S F808201417	05/16/2016
Attenuator	Weinschel Associates	WA14	18-10-12	05/16/2016
Temp. / Humidity Chamber	Kingson	THS-M1	242	05/16/2016

Remark: Each piece of equipment is scheduled for calibration once a year.

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition. The CMU200 and CMW500 used to control the EUT staying in continuous transmitting and receiving mode for testing.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

During all testing, EUT is in link mode with base station emulator at maximum power level.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

■ Test Mode and system config

Configure the CMW500 call box to support all LTE tests in respect to the 3GPP 36.521.

UE term. Conn: User defined Channels

Exp. Nominal Power Mode: According to UL Power Control Settings

RS EPRE: -75.0 dBm/15kHz Full Cell BW Power: -50.2 dBm

PSS Power Offset = SSS Power Offset = PBCH Power Offset = PCFICH Power Offset = PDCCH Power Offset = 0.0 dB

PHICH Power Offset = -12 dB

OCNG ON

PDSCH Power Offset PA: 0 dB, Power Ratio Index PB: 0 (ρ_B/ρ_A : 1)

Active TPC Setup: Max Power

Security Settings: Authentication OFF, NAS Security OFF, AS Security OFF

Integrity Algorithm: NULL

Milenage OFF

Configure the desired channel, BW, resource block allocation and modulation.

Connect to test set.

Set CMW500 TPC Setup to Max Power (Up power control command).

According to 3GPP 36.521, V9.1.0., the output power level for Power Class 3 LTE is to be 23.0dBm + 2.7dB. The lower limit is shifted down by the MPR amount allowed for certain configurations. Maximum Power Reduction (MPR) is allowed due to higher order modulation and transmit bandwidth configurations. These MPR levels reduce the lower limit of each output power by the either 1 or 2dB per 3GPP 36.521.

Modulation	Channel bandwidth / Transmission bandwidth configuration[RB]						MPR (dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

■ Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Ambient	VL	2.97V
	VN	3.30V
	VH	3.63V
NOTE: VL= Lower Extreme Test Voltage VN= Nominal Voltage VH= Upper Extreme Test Voltage TN= Normal Temperature		

■ Test Channel and Frequency

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE BAND2	5MHz	TX	Channel 18625	Channel 18900	Channel 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
		RX	Channel 625	Channel 900	Channel 1175
			1932.5 MHz	1960 MHz	1987.5 MHz
	10MHz	TX	Channel 18650	Channel 18900	Channel 19150
			1855 MHz	1880 MHz	1905 MHz
		RX	Channel 650	Channel 900	Channel 1150
			1935 MHz	1960 MHz	1985 MHz
	15MHz	TX	Channel 18675	Channel 18900	Channel 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
		RX	Channel 675	Channel 900	Channel 1125
			1937.5 MHz	1960 MHz	1982.5 MHz
	20MHz	TX	Channel 18700	Channel 18900	Channel 19100
			1860 MHz	1880 MHz	1900 MHz
		RX	Channel 700	Channel 900	Channel 1100
			1940 MHz	1960 MHz	1980 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE BAND4	5MHz	TX	Channel 19975	Channel 20175	Channel 20375
			1712.5 MHz	1732.5 MHz	1752.5 MHz
		RX	Channel 1975	Channel 2175	Channel 2375
			2112.5 MHz	2132.5MHz	2152.5 MHz
	10MHz	TX	Channel 20000	Channel 20175	Channel 20350
			1715 MHz	1732.5 MHz	1750 MHz
		RX	Channel 2000	Channel 2175	Channel 2350
			2115 MHz	2132.5MHz	2150 MHz
	15MHz	TX	Channel 20025	Channel 20175	Channel 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
		RX	Channel 2025	Channel 2175	Channel 2325
			2117.5 MHz	2132.5MHz	2147.5 MHz
	20MHz	TX	Channel 20050	Channel 20175	Channel 20300
			1720 MHz	1732.5 MHz	1745 MHz
		RX	Channel 2050	Channel 2175	Channel 2300
			2120 MHz	2132.5MHz	2145 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE BAND5	5MHz	TX	Channel 20425	Channel 20525	Channel 20625
			826.5 MHz	836.5 MHz	846.5 MHz
	5MHz	RX	Channel 2425	Channel 2525	Channel 2625
			871.5 MHz	881.5 MHz	891.5 MHz
	10MHz	TX	Channel 20450	Channel 20525	Channel 20600
			829 MHz	836.5 MHz	844 MHz
		RX	Channel 2450	Channel 2525	Channel 2600
			874 MHz	881.5 MHz	889 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE BAND13	5MHz	TX	Channel 23205	Channel 23230	Channel 23255
			779.5 MHz	782 MHz	784.5 MHz
	5MHz	RX	Channel 5205	Channel 5230	Channel 5255
			748.35 MHz	751 MHz	753.5 MHz
	10MHz	TX	Channel 23230	Channel 23230	Channel 23230
			782 MHz	782 MHz	782 MHz
		RX	Channel 5230	Channel 5230	Channel 5230
			751 MHz	751 MHz	751 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE BAND17	5MHz	TX	Channel 23755	Channel 23790	Channel 23825
			706.5 MHz	710 MHz	713.5 MHz
	5MHz	RX	Channel 5755	Channel 5790	Channel 5825
			736.5 MHz	740 MHz	743.5 MHz
	10MHz	TX	Channel 23780	Channel 23790	Channel 23800
			709 MHz	710 MHz	711 MHz
		RX	Channel 5780	Channel 5790	Channel 5800
			739 MHz	740 MHz	741 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE BAND25	5MHz	TX	Channel 26065	Channel 26365	Channel 26665
			1852.5 MHz	1882.5 MHz	1912.5 MHz
	5MHz	RX	Channel 8065	Channel 8365	Channel 8665
			1932.5 MHz	1962.5 MHz	1992.5 MHz
	10MHz	TX	Channel 26090	Channel 26365	Channel 26640
			1855 MHz	1882.5 MHz	1910 MHz
	10MHz	RX	Channel 8090	Channel 8365	Channel 8640
			1935.0 MHz	1962.5 MHz	1990.0 MHz
	15MHz	TX	Channel 26115	Channel 26365	Channel 26615
			1857.5 MHz	1882.5 MHz	1907.5 MHz
	15MHz	RX	Channel 8115	Channel 8365	Channel 8615
			1937.5 MHz	1962.5 MHz	1987.5 MHz
	20MHz	TX	Channel 26140	Channel 26365	Channel 26590
			1860 MHz	1882.5 MHz	1905 MHz
		RX	Channel 8140	Channel 8365	Channel 8590
			1940.0 MHz	1962.5 MHz	1985.0 MHz

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

Bldg 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.26 and CISPR Publication 22.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description EMC Lab.	:	Accredited by CNAS, 2013.10.29 The certificate is valid until 2016.10.28 The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005) The Certificate Registration Number is L2291. Accredited by TUV Rheinland Shenzhen 2015.4 The Laboratory has been assessed according to the requirements ISO/IEC 17025. Accredited by FCC, April 17, 2013 The Certificate Registration Number is 709623. Accredited by FCC, July 24, 2013 The Certificate Registration Number is 406365. Accredited by Industry Canada, November 29, 2012 The Certificate Registration Number is 4480A.
Name of Firm	:	EMTEK (SHENZHEN) CO., LTD.
Site Location	:	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

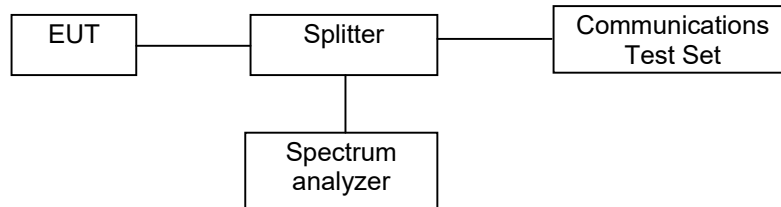
Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
RF Power Output	$\pm 1.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	± 0.5
Humidity	$\pm 3\%$

Measurement Uncertainty for a level of Confidence of 95%

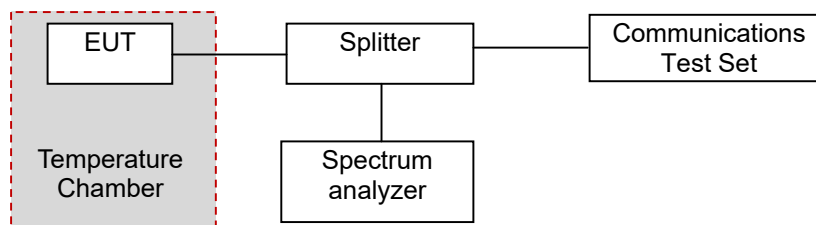
7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP 1

The component's antenna port(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP 2



7.3 RADIO FREQUENCY TEST SETUP 3

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.26-2015 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz :

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz :

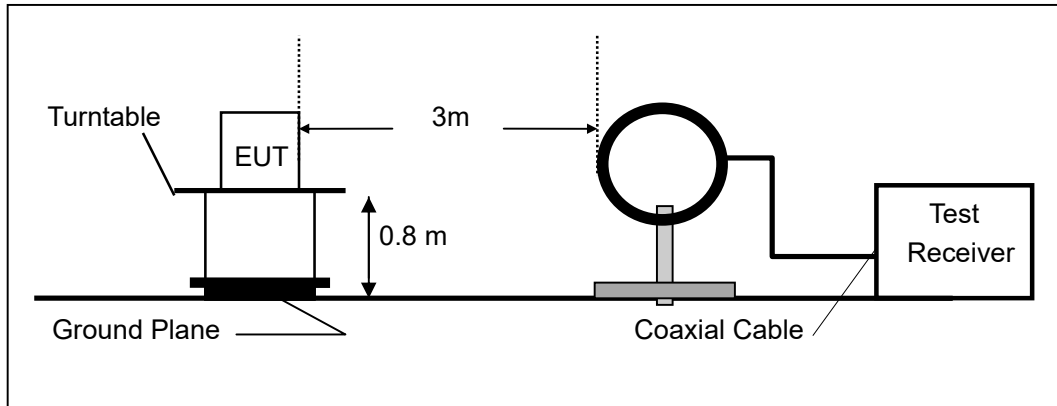
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

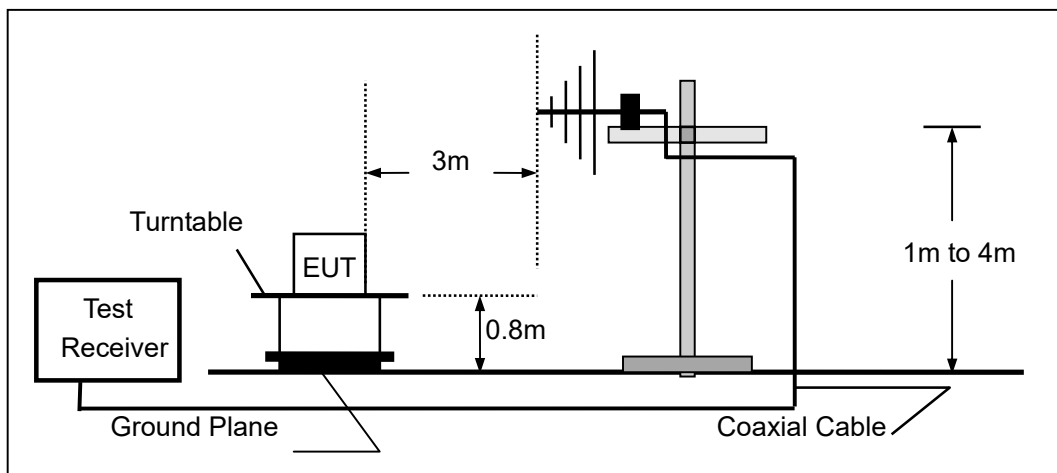
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

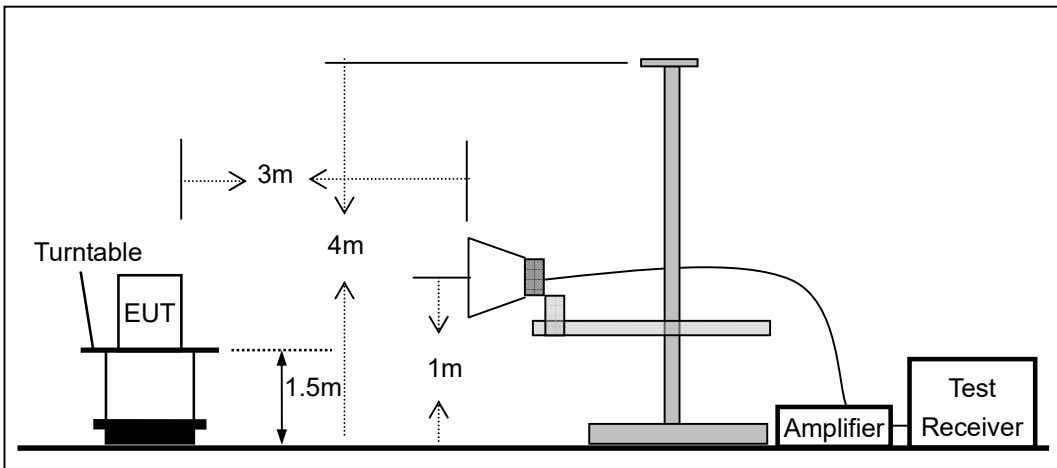
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz



7.4 SUPPORT EQUIPMENT

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Note
N/A	N/A	N/A	N/A	N/A	N/A

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 RF POWER OUTPUT

8.1.1 Conformance Limit

No limit requirement.

8.1.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.1.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. The frequency band is set as selected frequency,

The RF output of the transmitter was connected to base station simulator.

Set EUT at maximum average power by base station simulator.

Set RBW = 1-5% of the OBW, not to exceed 1 MHz.

Set VBW $\geq 3 \times$ RBW.

Number of points in sweep $\geq 2 \times$ span / RBW. (This gives bin-to-bin spacing $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)

Sweep time = auto.

Detector = RMS (power averaging).

Set sweep trigger to "free run".

Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the on and off periods of the transmitter.

Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is a constant 25%.

Measure lowest, middle, and highest channels for each bandwidth and different modulation.

Measure and record the results in the test report.

8.1.4 Test Results

Pass

Note: The details please see Appendix A.

8.2 EFFECTIVE (ISOTROPIC) RADIATED POWER

8.2.1 Conformance Limit

LTE BAND5	FCC Part 22.913
Extend coverage on a secondary basis into cellular unserved areas, as those areas are defined in §22.949, the ERP of base transmitters and cellular repeaters of such systems must not exceed 1000 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.	
LTE BAND2	FCC Part 24.232
Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.	
LTE BAND25	FCC Part 24.232
Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.	
LTE BAND4	FCC Part 27.50(d)
Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.	
LTE BAND13	FCC Part 27.50(b)
Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP	
LTE BAND17	FCC Part 27.50(c)
Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP	

8.2.2 Test Configuration

Test according to clause 7.3 radio frequency test setup 3

8.2.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test

The instrument must have an available measurement/resolution bandwidth that is equal to or exceeds the OBW. If this capability is available, then the following procedure can be used to determine the total peak output power.

- Set the RBW $\geq$ OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set span $\geq 2 \times$ RBW
- Sweep time = auto couple.
- Detector = peak.
- Ensure that the number of measurement points $\geq$ span/RBW.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the peak amplitude level.

The EUT was placed on a turn table which is 0.8m above ground plane. Maximum procedure was performed on the six highest emissions to ensure EUT compliance. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. Repeat above procedures until all frequency measured was complete.

A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High,

Middle, Low) were measured with peak detector.

The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).

The EUT shall be replaced by a substitution antenna. The test setup refers to figure below. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antennapolarization.

A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna.

The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.

The measurement results are obtained as described below:

Power(EIRP)=PMea- PAg - Pcl - Ga

This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.

ERP can be calculated from EIRP by subtracting the gain of the dipole,

ERP = EIRP -2.15dBi.

8.2.4 Test Results

Pass

Note: The details please see Appendix B.

8.3 MODULATION CHARACTERISTICS

8.3.1 Conformance Limit

No specific modulation characteristics requirement limits.

8.3.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.3.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test, The frequency band is set as selected frequency, test method was according to 3GPP TS 51.010 and 3GPP TS 34.121. and 3GPP2 C.S0011/TIA-98-E for 1XRTT. and 3GPP2 C.S0033-0/tia-866 for Rel.0 and 3GPP2 C.S0033-A for Rev.A The waveform quality and constellation of the was tested.

8.3.4 Test Results

Pass

8.4 OCCUPIED BANDWIDTH

8.4.1 Conformance Limit

No specific modulation characteristics requirement limits.

8.4.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.4.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test,

■ 99% Occupied bandwidth

The following procedure shall be used for measuring (99 %) power bandwidth

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- b) The nominal IF filter bandwidth (3 dB 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.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) Set the detection mode to peak, and the trace mode to max hold..
- f) Use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.
- h) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

■ 26 dB Occupied bandwidth

The reference value is the highest level of the spectral envelope of the modulated signal.

- a) 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.
- b) 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.
- c) Set the reference level of the instrument as required to prevent the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) The dynamic range of the spectrum analyzer at the selected RBW shall be at least 10 dB below the target “-X dB down” requirement (i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference value).
- f) Set the detection mode to peak, and the trace mode to max hold.
- g) 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).
- h) Determine the “-X dB down amplitude” as equal to (Reference Value – X). Alternatively, this calculation

can be performed by the analyzer by using the marker-delta function.

i) 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 g). 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.

j) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s)

8.4.4 Test Results

Pass

Note: The details please see Appendix C.

8.5 BAND EDGE EMISSION

8.5.1 Conformance Limit

LTE BAND5	FCC Part 22.917
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND2	FCC Part 24.238
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND25	FCC Part 24.238
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND4	FCC Part 27.53(h)
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND13	FCC Part 27.53(c)
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	
LTE BAND17	FCC Part 27.53(g)
≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	

8.5.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.5.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test,

Spectrum Analyzer is set as below:
SET RBW ≥ 1% of Emission BW.
SET VBW about three times of RBW
Detector: RMS
Trace mode= max hold.
Span= 2MHz

8.5.4 Test Results

Pass

Note: The details please see Appendix D.

8.6 OUT OF BAND EMISSIONS AT ANTENNA TERMINALS

8.6.1 Conformance Limit

LTE BAND5	FCC Part 22.917
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND2	FCC Part 24.238
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND25	FCC Part 24.238
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND4	FCC Part 27.53(h)
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND13	FCC Part 27.53(c)
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND17	FCC Part 27.53(g)
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	

The specification that emissions shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

8.6.2 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

8.6.3 Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer
Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector.
A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test,

Spectrum Analyzer is set as below:

9kHz~150kHz, RBW = 1KHz, VBW $\geq 3 \times$ RBW,

150kHz~30MHz, RBW = 10KHz, VBW $\geq 3 \times$ RBW,

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

Detector: Peak

Trace mode= max hold.

8.6.4 Test Results

Pass

Note: The details please see Appendix E.

8.7 FIELD STRENGTH OF SPURIOUS RADIATION

8.7.1 Conformance Limit

LTE BAND5	FCC Part 22.917
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND2	FCC Part 24.238
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND25	FCC Part 24.238
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND4	FCC Part 27.53(h)
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND13	FCC Part 27.53(c)
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	
LTE BAND17	FCC Part 27.53(g)
Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.	

The specification that emissions shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

8.7.2 Test Configuration

Test according to clause 7.3 radio frequency test setup 3

8.7.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test.

Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. 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. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

then the following procedure can be used to determine spurious emission

- RBW = 1 MHz for $f \geq 1$ GHz (1GHz to 25GHz), 100 kHz for $f < 1$ GHz (30MHz to 1GHz), 200Hz for $f < 150$ KHz (9KHz to 150KHz), 9KHz for $f < 30$ MHz (150KHz to 30KHz)
- Set VBW $\geq 3 \times$ RBW.
- Set span wide enough to fully capture the emission being measured
- Sweep time = auto couple.
- Detector = peak.
- Ensure that the number of measurement points $\geq$ span/RBW.

- g) Trace mode = max hold.
 - h) Allow trace to fully stabilize.
 - i) Use the peak marker function to determine the peak amplitude level.
- Step1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
- Step2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- Step3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- Step4. 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.
- Step5. Make the measurement with the spectrum analyzer's RBW , VBW , taking the record of maximum spurious emission.
- Step6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- Step7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- Step8. Taking the record of output power at antenna port.
- Step9. Repeat step 7 to step 8 for another polarization.
- Step10. Emission level (dBm) = output power + substitution Gain.
- Test Results

8.7.4 Test Results

Pass

Note: The details please see Appendix F.

8.8 FREQUENCY STABILITY

8.8.1 Conformance Limit

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 $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

8.8.2 Test Configuration

Test according to clause 7.2 conducted emission test setup2.

8.8.3 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test.

EUT was placed at temperature chamber and connected to an external power supply.

Temperature and voltage condition shall be tested to confirm frequency stability.

(a) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10° centigrade through the range. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement. The short-term transient effects on the frequency of the transmitter due to keying (except for broadcast transmitters) and any heating element cycling normally occurring at each ambient temperature level also shall be shown. Only the portion or portions of the transmitter containing the frequency determining and stabilizing circuitry need be subjected to the temperature variation test.

(b) The frequency stability shall be measured with variation of primary supply voltage as follows:

(1) Vary primary supply voltage from 95 to 105 percent of the nominal value for other than hand carried battery equipment.

(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point, which shall be specified by the manufacturer.

8.8.4 Test Results

Pass

Note: The details please see Appendix G.

8.9 PEAK TO AVERAGE RATIO

8.9.1 Conformance Limit

LTE BAND2	FCC Part 24.232
Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. 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.	
LTE BAND25	FCC Part 24.232
Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. 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.	
LTE BAND4	FCC Part 27.50(d)
Equipment employed must be authorized in accordance with the provisions of §24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. 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.	

8.9.2 Test Configuration

Test according to clause 7.1 conducted emission test setup1.

8.9.3 Test Procedure

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

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.

Set the number of counts to a value that stabilizes the measured CCDF curve.

Set the measurement interval to 1 ms.

Record the maximum PAPR level associated with a probability of 0.1%.

a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

b) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval as follows:

1) for continuous transmissions, set to 1 ms,

2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

e) Record the maximum PAPR level associated with a probability of 0.1%.

8.9.4 Test Results

Pass

Note: The details please see Appendix H.

APPENDIX A: TEST DATA FOR RF POWER OUTPUT

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd2	QPSK	5MHz	18625	1852.5	RB1#0	23.19	N/A	Pass
					RB1#12	23.20	N/A	Pass
					RB1#24	23.25	N/A	Pass
					RB12#0	23.00	N/A	Pass
					RB12#11	22.95	N/A	Pass
					RB25#0	22.01	N/A	Pass
	16-QAM	5MHz	18625	1852.5	RB1#0	22.01	N/A	Pass
					RB1#12	22.01	N/A	Pass
					RB1#24	22.13	N/A	Pass
					RB12#0	22.20	N/A	Pass
					RB12#11	22.16	N/A	Pass
					RB25#0	22.18	N/A	Pass
	QPSK	5MHz	18900	1880.0	RB1#0	23.17	N/A	Pass
					RB1#12	22.82	N/A	Pass
					RB1#24	22.99	N/A	Pass
					RB12#0	22.45	N/A	Pass
					RB12#11	22.30	N/A	Pass
					RB25#0	22.05	N/A	Pass
	16-QAM	5MHz	18900	1880.0	RB1#0	22.36	N/A	Pass
					RB1#12	22.05	N/A	Pass
					RB1#24	22.08	N/A	Pass
					RB12#0	22.35	N/A	Pass
					RB12#11	22.30	N/A	Pass
					RB25#0	22.31	N/A	Pass
	QPSK	5MHz	19175	1907.5	RB1#0	23.06	N/A	Pass
					RB1#12	22.14	N/A	Pass
					RB1#24	23.21	N/A	Pass
					RB12#0	22.01	N/A	Pass
					RB12#11	22.25	N/A	Pass
					RB25#0	22.97	N/A	Pass
	16-QAM	5MHz	19175	1907.5	RB1#0	22.14	N/A	Pass
					RB1#12	22.10	N/A	Pass
					RB1#24	22.15	N/A	Pass
					RB12#0	22.20	N/A	Pass
					RB12#11	22.30	N/A	Pass
					RB25#0	22.02	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb2	QPSK	10MHz	18650	1855.0	RB1#0	23.23	N/A	Pass
					RB1#24	23.15	N/A	Pass
					RB1#49	23.36	N/A	Pass
					RB25#0	22.85	N/A	Pass
					RB25#24	22.46	N/A	Pass
					RB50#0	22.97	N/A	Pass
	16-QAM	10MHz	18650	1855.0	RB1#0	22.93	N/A	Pass
					RB1#24	22.41	N/A	Pass
					RB1#49	23.08	N/A	Pass
					RB25#0	23.58	N/A	Pass
					RB25#24	23.41	N/A	Pass
					RB50#0	23.00	N/A	Pass
	QPSK	10MHz	18900	1880.0	RB1#0	23.19	N/A	Pass
					RB1#24	23.01	N/A	Pass
					RB1#49	23.12	N/A	Pass
					RB25#0	22.80	N/A	Pass
					RB25#24	23.19	N/A	Pass
					RB50#0	22.95	N/A	Pass
	16-QAM	10MHz	18900	1880.0	RB1#0	22.58	N/A	Pass
					RB1#24	22.13	N/A	Pass
					RB1#49	22.49	N/A	Pass
					RB25#0	22.50	N/A	Pass
					RB25#24	22.20	N/A	Pass
					RB50#0	22.13	N/A	Pass
	QPSK	10MHz	19150	1905.0	RB1#0	23.12	N/A	Pass
					RB1#24	23.18	N/A	Pass
					RB1#49	23.38	N/A	Pass
					RB25#0	23.42	N/A	Pass
					RB25#24	22.41	N/A	Pass
					RB50#0	22.96	N/A	Pass
	16-QAM	10MHz	19150	1905.0	RB1#0	22.04	N/A	Pass
					RB1#24	22.09	N/A	Pass
					RB1#49	22.31	N/A	Pass
					RB25#0	22.26	N/A	Pass
					RB25#24	22.14	N/A	Pass
					RB50#0	22.25	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb2	QPSK	15MHz	18675	1857.5	RB1#0	23.22	N/A	Pass
					RB1#37	22.95	N/A	Pass
					RB1#74	23.40	N/A	Pass
					RB36#0	22.41	N/A	Pass
					RB36#37	22.90	N/A	Pass
					RB75#0	22.96	N/A	Pass
	16-QAM	15MHz	18675	1857.5	RB1#0	22.04	N/A	Pass
					RB1#37	22.14	N/A	Pass
					RB1#74	22.33	N/A	Pass
					RB36#0	22.38	N/A	Pass
					RB36#37	22.42	N/A	Pass
					RB75#0	22.19	N/A	Pass
	QPSK	15MHz	18900	1880.0	RB1#0	23.18	N/A	Pass
					RB1#37	22.86	N/A	Pass
					RB1#74	23.20	N/A	Pass
					RB36#0	22.42	N/A	Pass
					RB36#37	22.16	N/A	Pass
					RB75#0	22.09	N/A	Pass
	16-QAM	15MHz	18900	1880.0	RB1#0	22.52	N/A	Pass
					RB1#37	22.50	N/A	Pass
					RB1#74	22.42	N/A	Pass
					RB36#0	22.41	N/A	Pass
					RB36#37	22.36	N/A	Pass
					RB75#0	22.15	N/A	Pass
	QPSK	15MHz	19125	1902.5	RB1#0	23.19	N/A	Pass
					RB1#37	23.00	N/A	Pass
					RB1#74	23.35	N/A	Pass
					RB36#0	22.42	N/A	Pass
					RB36#37	22.36	N/A	Pass
					RB75#0	22.89	N/A	Pass
	16-QAM	15MHz	19125	1902.5	RB1#0	22.18	N/A	Pass
					RB1#37	22.15	N/A	Pass
					RB1#74	22.18	N/A	Pass
					RB36#0	22.10	N/A	Pass
					RB36#37	22.26	N/A	Pass
					RB75#0	22.31	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb2	QPSK	20MHz	18700	1860.0	RB1#0	23.20	N/A	Pass
					RB1#49	23.18	N/A	Pass
					RB1#99	23.15	N/A	Pass
					RB50#0	22.65	N/A	Pass
					RB50#49	23.12	N/A	Pass
					RB100#0	23.04	N/A	Pass
	16-QAM	20MHz	18700	1860.0	RB1#0	22.47	N/A	Pass
					RB1#49	22.35	N/A	Pass
					RB1#99	22.15	N/A	Pass
					RB50#0	22.53	N/A	Pass
					RB50#49	22.80	N/A	Pass
					RB100#0	22.97	N/A	Pass
	QPSK	20MHz	18900	1880.0	RB1#0	23.27	N/A	Pass
					RB1#49	22.96	N/A	Pass
					RB1#99	23.20	N/A	Pass
					RB50#0	22.58	N/A	Pass
					RB50#49	23.15	N/A	Pass
					RB100#0	23.18	N/A	Pass
	16-QAM	20MHz	18900	1880.0	RB1#0	23.27	N/A	Pass
					RB1#49	23.26	N/A	Pass
					RB1#99	23.02	N/A	Pass
					RB50#0	23.15	N/A	Pass
					RB50#49	23.16	N/A	Pass
					RB100#0	23.18	N/A	Pass
	QPSK	20MHz	19100	1900.0	RB1#0	23.47	N/A	Pass
					RB1#49	23.02	N/A	Pass
					RB1#99	23.72	N/A	Pass
					RB50#0	23.03	N/A	Pass
					RB50#49	23.52	N/A	Pass
					RB100#0	23.14	N/A	Pass
	16-QAM	20MHz	19100	1900.0	RB1#0	23.22	N/A	Pass
					RB1#49	23.05	N/A	Pass
					RB1#99	23.46	N/A	Pass
					RB50#0	22.95	N/A	Pass
					RB50#49	22.90	N/A	Pass
					RB100#0	22.96	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	5MHz	19975	1712.5	RB1#0	23.36	N/A	Pass
					RB1#12	23.30	N/A	Pass
					RB1#24	23.24	N/A	Pass
					RB12#0	23.01	N/A	Pass
					RB12#11	22.58	N/A	Pass
					RB25#0	22.27	N/A	Pass
	16-QAM	5MHz	19975	1712.5	RB1#0	22.33	N/A	Pass
					RB1#12	22.16	N/A	Pass
					RB1#24	22.30	N/A	Pass
					RB12#0	22.15	N/A	Pass
					RB12#11	22.05	N/A	Pass
					RB25#0	22.15	N/A	Pass
	QPSK	5MHz	20175	1732.5	RB1#0	23.28	N/A	Pass
					RB1#12	23.12	N/A	Pass
					RB1#24	23.35	N/A	Pass
					RB12#0	22.93	N/A	Pass
					RB12#11	22.82	N/A	Pass
					RB25#0	22.68	N/A	Pass
	16-QAM	5MHz	20175	1732.5	RB1#0	22.04	N/A	Pass
					RB1#12	22.01	N/A	Pass
					RB1#24	22.10	N/A	Pass
					RB12#0	22.15	N/A	Pass
					RB12#11	22.18	N/A	Pass
					RB25#0	22.30	N/A	Pass
	QPSK	5MHz	20375	1752.5	RB1#0	23.39	N/A	Pass
					RB1#12	23.15	N/A	Pass
					RB1#24	23.40	N/A	Pass
					RB12#0	22.96	N/A	Pass
					RB12#11	22.58	N/A	Pass
					RB25#0	22.45	N/A	Pass
	16-QAM	5MHz	20375	1752.5	RB1#0	22.74	N/A	Pass
					RB1#12	22.60	N/A	Pass
					RB1#24	22.56	N/A	Pass
					RB12#0	22.48	N/A	Pass
					RB12#11	22.69	N/A	Pass
					RB25#0	22.17	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	10MHz	20000	1715.0	RB1#0	23.20	N/A	Pass
					RB1#24	22.86	N/A	Pass
					RB1#49	23.36	N/A	Pass
					RB25#0	22.75	N/A	Pass
					RB25#24	22.69	N/A	Pass
					RB50#0	22.94	N/A	Pass
	16-QAM	10MHz	20000	1715.0	RB1#0	22.36	N/A	Pass
					RB1#24	22.30	N/A	Pass
					RB1#49	22.03	N/A	Pass
					RB25#0	22.20	N/A	Pass
					RB25#24	22.14	N/A	Pass
					RB50#0	22.25	N/A	Pass
	QPSK	10MHz	20175	1732.5	RB1#0	23.26	N/A	Pass
					RB1#24	23.19	N/A	Pass
					RB1#49	23.12	N/A	Pass
					RB25#0	23.48	N/A	Pass
					RB25#24	22.86	N/A	Pass
					RB50#0	22.98	N/A	Pass
	16-QAM	10MHz	20175	1732.5	RB1#0	22.41	N/A	Pass
					RB1#24	22.13	N/A	Pass
					RB1#49	22.46	N/A	Pass
					RB25#0	22.18	N/A	Pass
					RB25#24	22.16	N/A	Pass
					RB50#0	22.40	N/A	Pass
	QPSK	10MHz	20350	1750.0	RB1#0	23.26	N/A	Pass
					RB1#24	22.96	N/A	Pass
					RB1#49	22.56	N/A	Pass
					RB25#0	23.21	N/A	Pass
					RB25#24	22.41	N/A	Pass
					RB50#0	22.21	N/A	Pass
	16-QAM	10MHz	20350	1750.0	RB1#0	22.35	N/A	Pass
					RB1#24	22.05	N/A	Pass
					RB1#49	22.28	N/A	Pass
					RB25#0	22.13	N/A	Pass
					RB25#24	22.31	N/A	Pass
					RB50#0	22.36	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	15MHz	20025	1717.5	RB1#0	23.21	N/A	Pass
					RB1#37	23.05	N/A	Pass
					RB1#74	23.17	N/A	Pass
					RB36#0	22.14	N/A	Pass
					RB36#37	22.42	N/A	Pass
					RB75#0	22.30	N/A	Pass
	16-QAM	15MHz	20025	1717.5	RB1#0	22.19	N/A	Pass
					RB1#37	22.62	N/A	Pass
					RB1#74	22.20	N/A	Pass
					RB36#0	22.16	N/A	Pass
					RB36#37	22.14	N/A	Pass
					RB75#0	22.15	N/A	Pass
	QPSK	15MHz	20175	1732.5	RB1#0	23.18	N/A	Pass
					RB1#37	23.12	N/A	Pass
					RB1#74	23.34	N/A	Pass
					RB36#0	22.63	N/A	Pass
					RB36#37	22.16	N/A	Pass
					RB75#0	22.94	N/A	Pass
	16-QAM	15MHz	20175	1732.5	RB1#0	22.36	N/A	Pass
					RB1#37	22.41	N/A	Pass
					RB1#74	22.57	N/A	Pass
					RB36#0	22.10	N/A	Pass
					RB36#37	22.16	N/A	Pass
					RB75#0	22.14	N/A	Pass
	QPSK	15MHz	20325	1747.5	RB1#0	23.39	N/A	Pass
					RB1#37	23.36	N/A	Pass
					RB1#74	23.29	N/A	Pass
					RB36#0	22.69	N/A	Pass
					RB36#37	22.56	N/A	Pass
					RB75#0	23.14	N/A	Pass
	16-QAM	15MHz	20325	1747.5	RB1#0	22.29	N/A	Pass
					RB1#37	22.40	N/A	Pass
					RB1#74	22.20	N/A	Pass
					RB36#0	22.02	N/A	Pass
					RB36#37	22.46	N/A	Pass
					RB75#0	22.16	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	20MHz	20050	1720.0	RB1#0	23.22	N/A	Pass
					RB1#49	23.15	N/A	Pass
					RB1#99	23.30	N/A	Pass
					RB50#0	23.26	N/A	Pass
					RB50#49	23.18	N/A	Pass
					RB100#0	23.14	N/A	Pass
	16-QAM	20MHz	20050	1720.0	RB1#0	22.36	N/A	Pass
					RB1#49	22.20	N/A	Pass
					RB1#99	22.15	N/A	Pass
					RB50#0	22.19	N/A	Pass
					RB50#49	22.14	N/A	Pass
					RB100#0	22.36	N/A	Pass
	QPSK	20MHz	20175	1732.5	RB1#0	23.03	N/A	Pass
					RB1#49	22.96	N/A	Pass
					RB1#99	23.24	N/A	Pass
					RB50#0	23.02	N/A	Pass
					RB50#49	22.65	N/A	Pass
					RB100#0	22.45	N/A	Pass
	16-QAM	20MHz	20175	1732.5	RB1#0	22.12	N/A	Pass
					RB1#49	22.18	N/A	Pass
					RB1#99	22.41	N/A	Pass
					RB50#0	22.25	N/A	Pass
					RB50#49	22.30	N/A	Pass
					RB100#0	22.25	N/A	Pass
	QPSK	20MHz	20300	1745.0	RB1#0	23.30	N/A	Pass
					RB1#49	23.20	N/A	Pass
					RB1#99	23.18	N/A	Pass
					RB50#0	23.05	N/A	Pass
					RB50#49	23.14	N/A	Pass
					RB100#0	23.10	N/A	Pass
	16-QAM	20MHz	20300	1745.0	RB1#0	22.31	N/A	Pass
					RB1#49	22.36	N/A	Pass
					RB1#99	22.32	N/A	Pass
					RB50#0	22.05	N/A	Pass
					RB50#49	22.45	N/A	Pass
					RB100#0	22.14	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd5	QPSK	5MHz	20425	826.5	RB1#0	22.70	N/A	Pass
					RB1#12	22.56	N/A	Pass
					RB1#24	22.73	N/A	Pass
					RB12#0	22.15	N/A	Pass
					RB12#11	22.36	N/A	Pass
					RB25#0	22.61	N/A	Pass
	16-QAM	5MHz	20425	826.5	RB1#0	22.70	N/A	Pass
					RB1#12	22.36	N/A	Pass
					RB1#24	22.69	N/A	Pass
					RB12#0	22.30	N/A	Pass
					RB12#11	22.56	N/A	Pass
					RB25#0	22.53	N/A	Pass
	QPSK	5MHz	20525	836.5	RB1#0	22.81	N/A	Pass
					RB1#12	22.12	N/A	Pass
					RB1#24	22.74	N/A	Pass
					RB12#0	22.23	N/A	Pass
					RB12#11	22.52	N/A	Pass
					RB25#0	22.53	N/A	Pass
	16-QAM	5MHz	20525	836.5	RB1#0	22.63	N/A	Pass
					RB1#12	22.58	N/A	Pass
					RB1#24	22.52	N/A	Pass
					RB12#0	22.25	N/A	Pass
					RB12#11	22.36	N/A	Pass
					RB25#0	22.27	N/A	Pass
	QPSK	5MHz	20625	846.5	RB1#0	22.94	N/A	Pass
					RB1#12	22.58	N/A	Pass
					RB1#24	22.71	N/A	Pass
					RB12#0	22.14	N/A	Pass
					RB12#11	22.54	N/A	Pass
					RB25#0	22.68	N/A	Pass
	16-QAM	5MHz	20625	846.5	RB1#0	22.40	N/A	Pass
					RB1#12	22.45	N/A	Pass
					RB1#24	22.19	N/A	Pass
					RB12#0	22.56	N/A	Pass
					RB12#11	22.56	N/A	Pass
					RB25#0	22.58	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd5	QPSK	10MHz	20450	829.0	RB1#0	22.66	N/A	Pass
					RB1#24	22.53	N/A	Pass
					RB1#49	22.73	N/A	Pass
					RB25#0	22.15	N/A	Pass
					RB25#24	22.16	N/A	Pass
					RB50#0	22.61	N/A	Pass
	16-QAM	10MHz	20450	829.0	RB1#0	22.51	N/A	Pass
					RB1#24	22.15	N/A	Pass
					RB1#49	22.50	N/A	Pass
					RB25#0	22.15	N/A	Pass
					RB25#24	22.06	N/A	Pass
					RB50#0	22.53	N/A	Pass
	QPSK	10MHz	20525	836.5	RB1#0	22.65	N/A	Pass
					RB1#24	22.35	N/A	Pass
					RB1#49	22.91	N/A	Pass
					RB25#0	22.15	N/A	Pass
					RB25#24	22.62	N/A	Pass
					RB50#0	22.64	N/A	Pass
	16-QAM	10MHz	20525	836.5	RB1#0	22.04	N/A	Pass
					RB1#24	22.15	N/A	Pass
					RB1#49	22.08	N/A	Pass
					RB25#0	22.64	N/A	Pass
					RB25#24	22.63	N/A	Pass
					RB50#0	22.72	N/A	Pass
	QPSK	10MHz	20600	844.0	RB1#0	22.78	N/A	Pass
					RB1#24	22.89	N/A	Pass
					RB1#49	22.64	N/A	Pass
					RB25#0	22.69	N/A	Pass
					RB25#24	22.47	N/A	Pass
					RB50#0	22.61	N/A	Pass
	16-QAM	10MHz	20600	844.0	RB1#0	22.80	N/A	Pass
					RB1#24	22.06	N/A	Pass
					RB1#49	22.64	N/A	Pass
					RB25#0	22.63	N/A	Pass
					RB25#24	22.02	N/A	Pass
					RB50#0	22.56	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd13	QPSK	5MHz	23205	779.5	RB1#0	23.00	N/A	Pass
					RB1#12	22.15	N/A	Pass
					RB1#24	22.79	N/A	Pass
					RB12#0	22.63	N/A	Pass
					RB12#11	22.45	N/A	Pass
					RB25#0	22.61	N/A	Pass
	16-QAM	5MHz	23205	779.5	RB1#0	22.91	N/A	Pass
					RB1#12	22.15	N/A	Pass
					RB1#24	22.76	N/A	Pass
					RB12#0	22.56	N/A	Pass
					RB12#11	22.45	N/A	Pass
					RB25#0	22.58	N/A	Pass
	QPSK	5MHz	23230	782.0	RB1#0	22.70	N/A	Pass
					RB1#12	22.63	N/A	Pass
					RB1#24	22.70	N/A	Pass
					RB12#0	22.66	N/A	Pass
					RB12#11	22.54	N/A	Pass
					RB25#0	22.76	N/A	Pass
	16-QAM	5MHz	23230	782.0	RB1#0	22.50	N/A	Pass
					RB1#12	22.52	N/A	Pass
					RB1#24	22.70	N/A	Pass
					RB12#0	22.64	N/A	Pass
					RB12#11	22.60	N/A	Pass
					RB25#0	22.66	N/A	Pass
	QPSK	5MHz	23255	784.5	RB1#0	22.86	N/A	Pass
					RB1#12	22.52	N/A	Pass
					RB1#24	22.83	N/A	Pass
					RB12#0	22.26	N/A	Pass
					RB12#11	22.15	N/A	Pass
					RB25#0	22.65	N/A	Pass
	16-QAM	5MHz	23255	784.5	RB1#0	22.08	N/A	Pass
					RB1#12	22.03	N/A	Pass
					RB1#24	22.04	N/A	Pass
					RB12#0	22.53	N/A	Pass
					RB12#11	22.45	N/A	Pass
					RB25#0	22.59	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Bab13	QPSK	10MHz	23230	782.0	RB1#0	22.66	N/A	Pass
					RB1#24	22.35	N/A	Pass
					RB1#49	22.73	N/A	Pass
					RB25#0	22.15	N/A	Pass
					RB25#24	22.95	N/A	Pass
					RB50#0	22.61	N/A	Pass
	16-QAM	10MHz	23230	782.0	RB1#0	22.51	N/A	Pass
					RB1#24	22.26	N/A	Pass
					RB1#49	22.50	N/A	Pass
					RB25#0	22.21	N/A	Pass
					RB25#24	22.06	N/A	Pass
					RB50#0	22.53	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd17	QPSK	5MHz	23755	706.5	RB1#0	22.72	N/A	Pass
					RB1#12	22.68	N/A	Pass
					RB1#24	22.52	N/A	Pass
					RB12#0	22	N/A	Pass
					RB12#11	22.06	N/A	Pass
					RB25#0	22.66	N/A	Pass
	16-QAM	5MHz	23755	706.5	RB1#0	22.83	N/A	Pass
					RB1#12	22.63	N/A	Pass
					RB1#24	22.06	N/A	Pass
					RB12#0	22.48	N/A	Pass
					RB12#11	22.69	N/A	Pass
					RB25#0	22.6	N/A	Pass
	QPSK	5MHz	23790	710.0	RB1#0	22.91	N/A	Pass
					RB1#12	22.62	N/A	Pass
					RB1#24	22.97	N/A	Pass
					RB12#0	22.85	N/A	Pass
					RB12#11	22.63	N/A	Pass
					RB25#0	22.95	N/A	Pass
	16-QAM	5MHz	23790	710.0	RB1#0	22.84	N/A	Pass
					RB1#12	22.6	N/A	Pass
					RB1#24	22.68	N/A	Pass
					RB12#0	22.58	N/A	Pass
					RB12#11	22.13	N/A	Pass
					RB25#0	22.87	N/A	Pass
	QPSK	5MHz	23825	713.5	RB1#0	22.73	N/A	Pass
					RB1#12	22.62	N/A	Pass
					RB1#24	22.66	N/A	Pass
					RB12#0	22.68	N/A	Pass
					RB12#11	22.42	N/A	Pass
					RB25#0	22.67	N/A	Pass
	16-QAM	5MHz	23825	713.5	RB1#0	22.37	N/A	Pass
					RB1#12	22.15	N/A	Pass
					RB1#24	22.33	N/A	Pass
					RB12#0	22.06	N/A	Pass
					RB12#11	22.06	N/A	Pass
					RB25#0	22.66	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd17	QPSK	10MHz	23780	709.0	RB1#0	22.88	N/A	Pass
					RB1#24	22.16	N/A	Pass
					RB1#49	22.85	N/A	Pass
					RB25#0	22.5	N/A	Pass
					RB25#24	22.43	N/A	Pass
					RB50#0	22.42	N/A	Pass
	16-QAM	10MHz	23780	709.0	RB1#0	22.26	N/A	Pass
					RB1#24	22.16	N/A	Pass
					RB1#49	22.06	N/A	Pass
					RB25#0	22.26	N/A	Pass
					RB25#24	22.05	N/A	Pass
					RB50#0	22.67	N/A	Pass
	QPSK	10MHz	23790	710.0	RB1#0	22.15	N/A	Pass
					RB1#24	22.82	N/A	Pass
					RB1#49	22.85	N/A	Pass
					RB25#0	22.61	N/A	Pass
					RB25#24	22.63	N/A	Pass
					RB50#0	22.62	N/A	Pass
	16-QAM	10MHz	23790	710.0	RB1#0	22.46	N/A	Pass
					RB1#24	22.16	N/A	Pass
					RB1#49	22.56	N/A	Pass
					RB25#0	22.48	N/A	Pass
					RB25#24	22.16	N/A	Pass
					RB50#0	22.16	N/A	Pass
	QPSK	10MHz	23800	711.0	RB1#0	22.42	N/A	Pass
					RB1#24	22.58	N/A	Pass
					RB1#49	22.59	N/A	Pass
					RB25#0	22.58	N/A	Pass
					RB25#24	22.69	N/A	Pass
					RB50#0	22.36	N/A	Pass
	16-QAM	10MHz	23800	711.0	RB1#0	22.54	N/A	Pass
					RB1#24	22.16	N/A	Pass
					RB1#49	22.36	N/A	Pass
					RB25#0	22.42	N/A	Pass
					RB25#24	22.06	N/A	Pass
					RB50#0	22.13	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	5MHz	26065	1852.5	RB1#0	23.35	N/A	Pass
					RB1#12	23.23	N/A	Pass
					RB1#24	23.48	N/A	Pass
					RB12#0	23.13	N/A	Pass
					RB12#11	23.42	N/A	Pass
					RB25#0	22.19	N/A	Pass
	16-QAM	5MHz	26065	1852.5	RB1#0	22.36	N/A	Pass
					RB1#12	22.62	N/A	Pass
					RB1#24	22.41	N/A	Pass
					RB12#0	22.42	N/A	Pass
					RB12#11	22.30	N/A	Pass
					RB25#0	22.19	N/A	Pass
	QPSK	5MHz	26365	1882.5	RB1#0	23.23	N/A	Pass
					RB1#12	22.36	N/A	Pass
					RB1#24	23.26	N/A	Pass
					RB12#0	23.30	N/A	Pass
					RB12#11	22.20	N/A	Pass
					RB25#0	22.25	N/A	Pass
	16-QAM	5MHz	26365	1882.5	RB1#0	22.09	N/A	Pass
					RB1#12	22.03	N/A	Pass
					RB1#24	22.09	N/A	Pass
					RB12#0	22.00	N/A	Pass
					RB12#11	22.96	N/A	Pass
					RB25#0	22.24	N/A	Pass
	QPSK	5MHz	26665	1912.5	RB1#0	23.40	N/A	Pass
					RB1#12	23.05	N/A	Pass
					RB1#24	23.45	N/A	Pass
					RB12#0	23.14	N/A	Pass
					RB12#11	23.10	N/A	Pass
					RB25#0	22.36	N/A	Pass
	16-QAM	5MHz	26665	1912.5	RB1#0	22.47	N/A	Pass
					RB1#12	22.06	N/A	Pass
					RB1#24	22.68	N/A	Pass
					RB12#0	22.52	N/A	Pass
					RB12#11	22.16	N/A	Pass
					RB25#0	22.11	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	10MHz	26090	1855.0	RB1#0	23.41	N/A	Pass
					RB1#24	22.85	N/A	Pass
					RB1#49	23.38	N/A	Pass
					RB25#0	22.86	N/A	Pass
					RB25#24	22.35	N/A	Pass
					RB50#0	22.13	N/A	Pass
	16-QAM	10MHz	26090	1855.0	RB1#0	22.14	N/A	Pass
					RB1#24	22.14	N/A	Pass
					RB1#49	22.18	N/A	Pass
					RB25#0	22.05	N/A	Pass
					RB25#24	22.03	N/A	Pass
					RB50#0	22.14	N/A	Pass
	QPSK	10MHz	26365	1882.5	RB1#0	23.28	N/A	Pass
					RB1#24	22.96	N/A	Pass
					RB1#49	23.20	N/A	Pass
					RB25#0	23.10	N/A	Pass
					RB25#24	22.85	N/A	Pass
					RB50#0	22.28	N/A	Pass
	16-QAM	10MHz	26365	1882.5	RB1#0	22.64	N/A	Pass
					RB1#24	22.56	N/A	Pass
					RB1#49	22.53	N/A	Pass
					RB25#0	22.16	N/A	Pass
					RB25#24	22.13	N/A	Pass
					RB50#0	22.09	N/A	Pass
	QPSK	10MHz	26640	1910.0	RB1#0	23.41	N/A	Pass
					RB1#24	22.63	N/A	Pass
					RB1#49	23.39	N/A	Pass
					RB25#0	22.52	N/A	Pass
					RB25#24	22.35	N/A	Pass
					RB50#0	22.19	N/A	Pass
	16-QAM	10MHz	26640	1910.0	RB1#0	22.25	N/A	Pass
					RB1#24	22.00	N/A	Pass
					RB1#49	22.32	N/A	Pass
					RB25#0	22.30	N/A	Pass
					RB25#24	22.02	N/A	Pass
					RB50#0	22.09	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	15MHz	26115	1857.5	RB1#0	23.20	N/A	Pass
					RB1#37	23.32	N/A	Pass
					RB1#74	23.02	N/A	Pass
					RB36#0	23.15	N/A	Pass
					RB36#37	23.28	N/A	Pass
					RB75#0	22.65	N/A	Pass
	16-QAM	15MHz	26115	1857.5	RB1#0	22.56	N/A	Pass
					RB1#37	22.63	N/A	Pass
					RB1#74	22.35	N/A	Pass
					RB36#0	22.17	N/A	Pass
					RB36#37	22.10	N/A	Pass
					RB75#0	22.95	N/A	Pass
	QPSK	15MHz	26365	1882.5	RB1#0	22.30	N/A	Pass
					RB1#37	22.93	N/A	Pass
					RB1#74	23.32	N/A	Pass
					RB36#0	22.85	N/A	Pass
					RB36#37	23.28	N/A	Pass
					RB75#0	22.16	N/A	Pass
	16-QAM	15MHz	26365	1882.5	RB1#0	22.17	N/A	Pass
					RB1#37	22.10	N/A	Pass
					RB1#74	22.30	N/A	Pass
					RB36#0	22.16	N/A	Pass
					RB36#37	22.15	N/A	Pass
					RB75#0	22.42	N/A	Pass
	QPSK	15MHz	26615	1907.5	RB1#0	22.19	N/A	Pass
					RB1#37	22.52	N/A	Pass
					RB1#74	22.63	N/A	Pass
					RB36#0	22.45	N/A	Pass
					RB36#37	22.58	N/A	Pass
					RB75#0	22.15	N/A	Pass
	16-QAM	15MHz	26615	1907.5	RB1#0	22.32	N/A	Pass
					RB1#37	22.52	N/A	Pass
					RB1#74	22.42	N/A	Pass
					RB36#0	22.36	N/A	Pass
					RB36#37	22.42	N/A	Pass
					RB75#0	22.06	N/A	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	20MHz	26140	1860.0	RB1#0	23.39	N/A	Pass
					RB1#49	23.25	N/A	Pass
					RB1#99	23.25	N/A	Pass
					RB50#0	23.02	N/A	Pass
					RB50#49	22.69	N/A	Pass
					RB100#0	22.11	N/A	Pass
	16-QAM	20MHz	26140	1860.0	RB1#0	22.09	N/A	Pass
					RB1#49	22.02	N/A	Pass
					RB1#99	22.09	N/A	Pass
					RB50#0	22.00	N/A	Pass
					RB50#49	22.96	N/A	Pass
					RB100#0	22.19	N/A	Pass
	QPSK	20MHz	26365	1882.5	RB1#0	23.39	N/A	Pass
					RB1#49	23.02	N/A	Pass
					RB1#99	23.23	N/A	Pass
					RB50#0	22.52	N/A	Pass
					RB50#49	22.42	N/A	Pass
					RB100#0	22.06	N/A	Pass
	16-QAM	20MHz	26365	1882.5	RB1#0	22.51	N/A	Pass
					RB1#49	22.03	N/A	Pass
					RB1#99	22.29	N/A	Pass
					RB50#0	22.10	N/A	Pass
					RB50#49	22.06	N/A	Pass
					RB100#0	22.09	N/A	Pass
	QPSK	20MHz	26590	1905.0	RB1#0	23.25	N/A	Pass
					RB1#49	22.15	N/A	Pass
					RB1#99	23.35	N/A	Pass
					RB50#0	22.43	N/A	Pass
					RB50#49	22.63	N/A	Pass
					RB100#0	22.14	N/A	Pass
	16-QAM	20MHz	26590	1905.0	RB1#0	22.20	N/A	Pass
					RB1#49	22.68	N/A	Pass
					RB1#99	22.27	N/A	Pass
					RB50#0	22.06	N/A	Pass
					RB50#49	22.10	N/A	Pass
					RB100#0	22.18	N/A	Pass

APPENDIX B: TEST DATA FOR EFFECTIVE (ISOTROPIC) RADIATED POWER

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babd2	QPSK	5MHz	18625	1852.5	RB1#0	25.53	33	Pass
					RB1#12	25.54	33	Pass
					RB1#24	25.59	33	Pass
					RB12#0	25.34	33	Pass
					RB12#11	25.29	33	Pass
					RB25#0	24.35	33	Pass
	16-QAM	5MHz	18625	1852.5	RB1#0	24.35	33	Pass
					RB1#12	24.35	33	Pass
					RB1#24	24.47	33	Pass
					RB12#0	24.54	33	Pass
					RB12#11	24.50	33	Pass
					RB25#0	24.52	33	Pass
	QPSK	5MHz	18900	1880.0	RB1#0	25.51	33	Pass
					RB1#12	25.16	33	Pass
					RB1#24	25.33	33	Pass
					RB12#0	24.79	33	Pass
					RB12#11	24.64	33	Pass
					RB25#0	24.39	33	Pass
	16-QAM	5MHz	18900	1880.0	RB1#0	24.70	33	Pass
					RB1#12	24.39	33	Pass
					RB1#24	24.42	33	Pass
					RB12#0	24.69	33	Pass
					RB12#11	24.64	33	Pass
					RB25#0	24.65	33	Pass
	QPSK	5MHz	19175	1907.5	RB1#0	25.40	33	Pass
					RB1#12	24.48	33	Pass
					RB1#24	25.55	33	Pass
					RB12#0	24.35	33	Pass
					RB12#11	24.59	33	Pass
					RB25#0	25.31	33	Pass
	16-QAM	5MHz	19175	1907.5	RB1#0	24.48	33	Pass
					RB1#12	24.44	33	Pass
					RB1#24	24.49	33	Pass
					RB12#0	24.54	33	Pass
					RB12#11	24.64	33	Pass
					RB25#0	24.36	33	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babd2	QPSK	10MHz	18650	1855.0	RB1#0	25.57	33	Pass
					RB1#24	25.49	33	Pass
					RB1#49	25.70	33	Pass
					RB25#0	25.19	33	Pass
					RB25#24	24.80	33	Pass
					RB50#0	25.31	33	Pass
	16-QAM	10MHz	18650	1855.0	RB1#0	25.27	33	Pass
					RB1#24	24.75	33	Pass
					RB1#49	25.42	33	Pass
					RB25#0	25.92	33	Pass
					RB25#24	25.75	33	Pass
					RB50#0	25.34	33	Pass
	QPSK	10MHz	18900	1880.0	RB1#0	25.53	33	Pass
					RB1#24	25.35	33	Pass
					RB1#49	25.46	33	Pass
					RB25#0	25.14	33	Pass
					RB25#24	25.53	33	Pass
					RB50#0	25.29	33	Pass
	16-QAM	10MHz	18900	1880.0	RB1#0	24.92	33	Pass
					RB1#24	24.47	33	Pass
					RB1#49	24.83	33	Pass
					RB25#0	24.84	33	Pass
					RB25#24	24.54	33	Pass
					RB50#0	24.47	33	Pass
	QPSK	10MHz	19150	1905.0	RB1#0	25.46	33	Pass
					RB1#24	25.52	33	Pass
					RB1#49	25.72	33	Pass
					RB25#0	25.76	33	Pass
					RB25#24	24.75	33	Pass
					RB50#0	25.30	33	Pass
	16-QAM	10MHz	19150	1905.0	RB1#0	24.38	33	Pass
					RB1#24	24.43	33	Pass
					RB1#49	24.65	33	Pass
					RB25#0	24.60	33	Pass
					RB25#24	24.48	33	Pass
					RB50#0	24.59	33	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babd2	QPSK	15MHz	18675	1857.5	RB1#0	25.56	33	Pass
					RB1#37	25.29	33	Pass
					RB1#74	25.74	33	Pass
					RB36#0	24.75	33	Pass
					RB36#37	25.24	33	Pass
					RB75#0	25.30	33	Pass
	16-QAM	15MHz	18675	1857.5	RB1#0	24.38	33	Pass
					RB1#37	24.48	33	Pass
					RB1#74	24.67	33	Pass
					RB36#0	24.72	33	Pass
					RB36#37	24.76	33	Pass
					RB75#0	24.53	33	Pass
	QPSK	15MHz	18900	1880.0	RB1#0	25.52	33	Pass
					RB1#37	25.20	33	Pass
					RB1#74	25.54	33	Pass
					RB36#0	24.76	33	Pass
					RB36#37	24.50	33	Pass
					RB75#0	24.43	33	Pass
	16-QAM	15MHz	18900	1880.0	RB1#0	24.86	33	Pass
					RB1#37	24.84	33	Pass
					RB1#74	24.76	33	Pass
					RB36#0	24.75	33	Pass
					RB36#37	24.70	33	Pass
					RB75#0	24.49	33	Pass
	QPSK	15MHz	19125	1902.5	RB1#0	25.53	33	Pass
					RB1#37	25.34	33	Pass
					RB1#74	25.69	33	Pass
					RB36#0	24.76	33	Pass
					RB36#37	24.70	33	Pass
					RB75#0	25.23	33	Pass
	16-QAM	15MHz	19125	1902.5	RB1#0	24.52	33	Pass
					RB1#37	24.49	33	Pass
					RB1#74	24.52	33	Pass
					RB36#0	24.44	33	Pass
					RB36#37	24.60	33	Pass
					RB75#0	24.65	33	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babd2	QPSK	20MHz	18700	1860.0	RB1#0	25.54	33	Pass
					RB1#49	25.52	33	Pass
					RB1#99	25.49	33	Pass
					RB50#0	24.99	33	Pass
					RB50#49	25.46	33	Pass
					RB100#0	25.38	33	Pass
	16-QAM	20MHz	18700	1860.0	RB1#0	24.81	33	Pass
					RB1#49	24.69	33	Pass
					RB1#99	24.49	33	Pass
					RB50#0	24.87	33	Pass
					RB50#49	25.14	33	Pass
					RB100#0	25.31	33	Pass
	QPSK	20MHz	18900	1880.0	RB1#0	25.61	33	Pass
					RB1#49	25.30	33	Pass
					RB1#99	25.54	33	Pass
					RB50#0	24.92	33	Pass
					RB50#49	25.49	33	Pass
					RB100#0	25.52	33	Pass
	16-QAM	20MHz	18900	1880.0	RB1#0	25.61	33	Pass
					RB1#49	25.60	33	Pass
					RB1#99	25.36	33	Pass
					RB50#0	25.49	33	Pass
					RB50#49	25.50	33	Pass
					RB100#0	25.52	33	Pass
	QPSK	20MHz	19100	1900.0	RB1#0	25.81	33	Pass
					RB1#49	25.36	33	Pass
					RB1#99	26.06	33	Pass
					RB50#0	25.37	33	Pass
					RB50#49	25.86	33	Pass
					RB100#0	25.48	33	Pass
	16-QAM	20MHz	19100	1900.0	RB1#0	25.56	33	Pass
					RB1#49	25.39	33	Pass
					RB1#99	25.80	33	Pass
					RB50#0	25.29	33	Pass
					RB50#49	25.24	33	Pass
					RB100#0	25.30	33	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	5MHz	19975	1712.5	RB1#0	25.29	30	Pass
					RB1#12	25.23	30	Pass
					RB1#24	25.17	30	Pass
					RB12#0	24.94	30	Pass
					RB12#11	24.51	30	Pass
					RB25#0	24.20	30	Pass
	16-QAM	5MHz	19975	1712.5	RB1#0	24.26	30	Pass
					RB1#12	24.09	30	Pass
					RB1#24	24.23	30	Pass
					RB12#0	24.08	30	Pass
					RB12#11	23.98	30	Pass
					RB25#0	24.08	30	Pass
	QPSK	5MHz	20175	1732.5	RB1#0	25.21	30	Pass
					RB1#12	25.05	30	Pass
					RB1#24	25.28	30	Pass
					RB12#0	24.86	30	Pass
					RB12#11	24.75	30	Pass
					RB25#0	24.61	30	Pass
	16-QAM	5MHz	20175	1732.5	RB1#0	23.97	30	Pass
					RB1#12	23.94	30	Pass
					RB1#24	24.03	30	Pass
					RB12#0	24.08	30	Pass
					RB12#11	24.11	30	Pass
					RB25#0	24.23	30	Pass
	QPSK	5MHz	20375	1752.5	RB1#0	25.32	30	Pass
					RB1#12	25.08	30	Pass
					RB1#24	25.33	30	Pass
					RB12#0	24.89	30	Pass
					RB12#11	24.51	30	Pass
					RB25#0	24.38	30	Pass
	16-QAM	5MHz	20375	1752.5	RB1#0	24.67	30	Pass
					RB1#12	24.53	30	Pass
					RB1#24	24.49	30	Pass
					RB12#0	24.41	30	Pass
					RB12#11	24.62	30	Pass
					RB25#0	24.10	30	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	10MHz	20000	1715.0	RB1#0	25.13	30	Pass
					RB1#24	24.79	30	Pass
					RB1#49	25.29	30	Pass
					RB25#0	24.68	30	Pass
					RB25#24	24.62	30	Pass
					RB50#0	24.87	30	Pass
	16-QAM	10MHz	20000	1715.0	RB1#0	24.29	30	Pass
					RB1#24	24.23	30	Pass
					RB1#49	23.96	30	Pass
					RB25#0	24.13	30	Pass
					RB25#24	24.07	30	Pass
					RB50#0	24.18	30	Pass
	QPSK	10MHz	20175	1732.5	RB1#0	25.19	30	Pass
					RB1#24	25.12	30	Pass
					RB1#49	25.05	30	Pass
					RB25#0	25.41	30	Pass
					RB25#24	24.79	30	Pass
					RB50#0	24.91	30	Pass
	16-QAM	10MHz	20175	1732.5	RB1#0	24.34	30	Pass
					RB1#24	24.06	30	Pass
					RB1#49	24.39	30	Pass
					RB25#0	24.11	30	Pass
					RB25#24	24.09	30	Pass
					RB50#0	24.33	30	Pass
	QPSK	10MHz	20350	1750.0	RB1#0	25.19	30	Pass
					RB1#24	24.89	30	Pass
					RB1#49	24.49	30	Pass
					RB25#0	25.14	30	Pass
					RB25#24	24.34	30	Pass
					RB50#0	24.14	30	Pass
	16-QAM	10MHz	20350	1750.0	RB1#0	24.28	30	Pass
					RB1#24	23.98	30	Pass
					RB1#49	24.21	30	Pass
					RB25#0	24.06	30	Pass
					RB25#24	24.24	30	Pass
					RB50#0	24.29	30	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	15MHz	20025	1717.5	RB1#0	25.14	30	Pass
					RB1#37	24.98	30	Pass
					RB1#74	25.10	30	Pass
					RB36#0	24.07	30	Pass
					RB36#37	24.35	30	Pass
					RB75#0	24.23	30	Pass
	16-QAM	15MHz	20025	1717.5	RB1#0	24.12	30	Pass
					RB1#37	24.55	30	Pass
					RB1#74	24.13	30	Pass
					RB36#0	24.09	30	Pass
					RB36#37	24.07	30	Pass
					RB75#0	24.08	30	Pass
	QPSK	15MHz	20175	1732.5	RB1#0	25.11	30	Pass
					RB1#37	25.05	30	Pass
					RB1#74	25.27	30	Pass
					RB36#0	24.56	30	Pass
					RB36#37	24.09	30	Pass
					RB75#0	24.87	30	Pass
	16-QAM	15MHz	20175	1732.5	RB1#0	24.29	30	Pass
					RB1#37	24.34	30	Pass
					RB1#74	24.50	30	Pass
					RB36#0	24.03	30	Pass
					RB36#37	24.09	30	Pass
					RB75#0	24.07	30	Pass
	QPSK	15MHz	20325	1747.5	RB1#0	25.32	30	Pass
					RB1#37	25.29	30	Pass
					RB1#74	25.22	30	Pass
					RB36#0	24.62	30	Pass
					RB36#37	24.49	30	Pass
					RB75#0	25.07	30	Pass
	16-QAM	15MHz	20325	1747.5	RB1#0	24.22	30	Pass
					RB1#37	24.33	30	Pass
					RB1#74	24.13	30	Pass
					RB36#0	23.95	30	Pass
					RB36#37	24.39	30	Pass
					RB75#0	24.09	30	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Babb4	QPSK	20MHz	20050	1720.0	RB1#0	25.15	30	Pass
					RB1#49	25.08	30	Pass
					RB1#99	25.23	30	Pass
					RB50#0	25.19	30	Pass
					RB50#49	25.11	30	Pass
					RB100#0	25.07	30	Pass
	16-QAM	20MHz	20050	1720.0	RB1#0	24.29	30	Pass
					RB1#49	24.13	30	Pass
					RB1#99	24.08	30	Pass
					RB50#0	24.12	30	Pass
					RB50#49	24.07	30	Pass
					RB100#0	24.29	30	Pass
	QPSK	20MHz	20175	1732.5	RB1#0	24.96	30	Pass
					RB1#49	24.89	30	Pass
					RB1#99	25.17	30	Pass
					RB50#0	24.95	30	Pass
					RB50#49	24.58	30	Pass
					RB100#0	24.38	30	Pass
	16-QAM	20MHz	20175	1732.5	RB1#0	24.05	30	Pass
					RB1#49	24.11	30	Pass
					RB1#99	24.34	30	Pass
					RB50#0	24.18	30	Pass
					RB50#49	24.23	30	Pass
					RB100#0	24.18	30	Pass
	QPSK	20MHz	20300	1745.0	RB1#0	25.23	30	Pass
					RB1#49	25.13	30	Pass
					RB1#99	25.11	30	Pass
					RB50#0	24.98	30	Pass
					RB50#49	25.07	30	Pass
					RB100#0	25.03	30	Pass
	16-QAM	20MHz	20300	1745.0	RB1#0	24.24	30	Pass
					RB1#49	24.29	30	Pass
					RB1#99	24.25	30	Pass
					RB50#0	23.98	30	Pass
					RB50#49	24.38	30	Pass
					RB100#0	24.07	30	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	ERP [dBm]	Limit (dBm)	Verdict
LTE Babd5	QPSK	5MHz	20425	826.5	RB1#0	17.12	38.5	Pass
					RB1#12	16.98	38.5	Pass
					RB1#24	17.15	38.5	Pass
					RB12#0	16.57	38.5	Pass
					RB12#11	16.78	38.5	Pass
					RB25#0	17.03	38.5	Pass
	16-QAM	5MHz	20425	826.5	RB1#0	17.12	38.5	Pass
					RB1#12	16.78	38.5	Pass
					RB1#24	17.11	38.5	Pass
					RB12#0	16.72	38.5	Pass
					RB12#11	16.98	38.5	Pass
					RB25#0	16.95	38.5	Pass
	QPSK	5MHz	20525	836.5	RB1#0	17.23	38.5	Pass
					RB1#12	16.54	38.5	Pass
					RB1#24	17.16	38.5	Pass
					RB12#0	16.65	38.5	Pass
					RB12#11	16.94	38.5	Pass
					RB25#0	16.95	38.5	Pass
	16-QAM	5MHz	20525	836.5	RB1#0	17.05	38.5	Pass
					RB1#12	17.00	38.5	Pass
					RB1#24	16.94	38.5	Pass
					RB12#0	16.67	38.5	Pass
					RB12#11	16.78	38.5	Pass
					RB25#0	16.69	38.5	Pass
	QPSK	5MHz	20625	846.5	RB1#0	17.36	38.5	Pass
					RB1#12	17.00	38.5	Pass
					RB1#24	17.13	38.5	Pass
					RB12#0	16.56	38.5	Pass
					RB12#11	16.96	38.5	Pass
					RB25#0	17.10	38.5	Pass
	16-QAM	5MHz	20625	846.5	RB1#0	16.82	38.5	Pass
					RB1#12	16.87	38.5	Pass
					RB1#24	16.61	38.5	Pass
					RB12#0	16.98	38.5	Pass
					RB12#11	16.98	38.5	Pass
					RB25#0	17.00	38.5	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	ERP [dBm]	Limit (dBm)	Verdict
LTE Babd5	QPSK	10MHz	20450	829.0	RB1#0	17.08	38.5	Pass
					RB1#24	16.95	38.5	Pass
					RB1#49	17.15	38.5	Pass
					RB25#0	16.57	38.5	Pass
					RB25#24	16.58	38.5	Pass
					RB50#0	17.03	38.5	Pass
	16-QAM	10MHz	20450	829.0	RB1#0	16.93	38.5	Pass
					RB1#24	16.57	38.5	Pass
					RB1#49	16.92	38.5	Pass
					RB25#0	16.57	38.5	Pass
					RB25#24	16.48	38.5	Pass
					RB50#0	16.95	38.5	Pass
	QPSK	10MHz	20525	836.5	RB1#0	17.07	38.5	Pass
					RB1#24	16.77	38.5	Pass
					RB1#49	17.33	38.5	Pass
					RB25#0	16.57	38.5	Pass
					RB25#24	17.04	38.5	Pass
					RB50#0	17.06	38.5	Pass
	16-QAM	10MHz	20525	836.5	RB1#0	16.46	38.5	Pass
					RB1#24	16.57	38.5	Pass
					RB1#49	16.50	38.5	Pass
					RB25#0	17.06	38.5	Pass
					RB25#24	17.05	38.5	Pass
					RB50#0	17.14	38.5	Pass
	QPSK	10MHz	20600	844.0	RB1#0	17.20	38.5	Pass
					RB1#24	17.31	38.5	Pass
					RB1#49	17.06	38.5	Pass
					RB25#0	17.11	38.5	Pass
					RB25#24	16.89	38.5	Pass
					RB50#0	17.03	38.5	Pass
	16-QAM	10MHz	20600	844.0	RB1#0	17.22	38.5	Pass
					RB1#24	16.48	38.5	Pass
					RB1#49	17.06	38.5	Pass
					RB25#0	17.05	38.5	Pass
					RB25#24	16.44	38.5	Pass
					RB50#0	16.98	38.5	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	ERP [dBm]	Limit (dBm)	Verdict
LTE Babd13	QPSK	5MHz	23205	779.5	RB1#0	17.71	34.8	Pass
					RB1#12	16.86	34.8	Pass
					RB1#24	17.50	34.8	Pass
					RB12#0	17.34	34.8	Pass
					RB12#11	17.16	34.8	Pass
					RB25#0	17.32	34.8	Pass
	16-QAM	5MHz	23205	779.5	RB1#0	17.62	34.8	Pass
					RB1#12	16.86	34.8	Pass
					RB1#24	17.47	34.8	Pass
					RB12#0	17.27	34.8	Pass
					RB12#11	17.16	34.8	Pass
					RB25#0	17.29	34.8	Pass
	QPSK	5MHz	23230	782.0	RB1#0	17.41	34.8	Pass
					RB1#12	17.34	34.8	Pass
					RB1#24	17.41	34.8	Pass
					RB12#0	17.37	34.8	Pass
					RB12#11	17.25	34.8	Pass
					RB25#0	17.47	34.8	Pass
	16-QAM	5MHz	23230	782.0	RB1#0	17.21	34.8	Pass
					RB1#12	17.23	34.8	Pass
					RB1#24	17.41	34.8	Pass
					RB12#0	17.35	34.8	Pass
					RB12#11	17.31	34.8	Pass
					RB25#0	17.37	34.8	Pass
	QPSK	5MHz	23255	784.5	RB1#0	17.57	34.8	Pass
					RB1#12	17.23	34.8	Pass
					RB1#24	17.54	34.8	Pass
					RB12#0	16.97	34.8	Pass
					RB12#11	16.86	34.8	Pass
					RB25#0	17.36	34.8	Pass
	16-QAM	5MHz	23255	784.5	RB1#0	16.79	34.8	Pass
					RB1#12	16.74	34.8	Pass
					RB1#24	16.75	34.8	Pass
					RB12#0	17.24	34.8	Pass
					RB12#11	17.16	34.8	Pass
					RB25#0	17.30	34.8	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	ERP [dBm]	Limit (dBm)	Verdict
LTE Babd13	QPSK	10MHz	23230	782.0	RB1#0	17.37	34.8	Pass
					RB1#24	17.06	34.8	Pass
					RB1#49	17.44	34.8	Pass
					RB25#0	16.86	34.8	Pass
					RB25#24	17.66	34.8	Pass
					RB50#0	17.32	34.8	Pass
	16-QAM	10MHz	23230	782.0	RB1#0	17.22	34.8	Pass
					RB1#24	16.97	34.8	Pass
					RB1#49	17.21	34.8	Pass
					RB25#0	16.92	34.8	Pass
					RB25#24	16.77	34.8	Pass
					RB50#0	17.24	34.8	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	ERP [dBm]	Limit (dBm)	Verdict
LTE Bab17	QPSK	5MHz	23755	706.5	RB1#0	20.57	34.8	Pass
					RB1#12	20.53	34.8	Pass
					RB1#24	20.37	34.8	Pass
					RB12#0	19.85	34.8	Pass
					RB12#11	19.91	34.8	Pass
					RB25#0	20.51	34.8	Pass
	16-QAM	5MHz	23755	706.5	RB1#0	20.68	34.8	Pass
					RB1#12	20.48	34.8	Pass
					RB1#24	19.91	34.8	Pass
					RB12#0	20.33	34.8	Pass
					RB12#11	20.54	34.8	Pass
					RB25#0	20.45	34.8	Pass
	QPSK	5MHz	23790	710.0	RB1#0	20.76	34.8	Pass
					RB1#12	20.47	34.8	Pass
					RB1#24	20.82	34.8	Pass
					RB12#0	20.70	34.8	Pass
					RB12#11	20.48	34.8	Pass
					RB25#0	20.80	34.8	Pass
	16-QAM	5MHz	23790	710.0	RB1#0	20.69	34.8	Pass
					RB1#12	20.45	34.8	Pass
					RB1#24	20.53	34.8	Pass
					RB12#0	20.43	34.8	Pass
					RB12#11	19.98	34.8	Pass
					RB25#0	20.72	34.8	Pass
	QPSK	5MHz	23825	713.5	RB1#0	20.58	34.8	Pass
					RB1#12	20.47	34.8	Pass
					RB1#24	20.51	34.8	Pass
					RB12#0	20.53	34.8	Pass
					RB12#11	20.27	34.8	Pass
					RB25#0	20.52	34.8	Pass
	16-QAM	5MHz	23825	713.5	RB1#0	20.22	34.8	Pass
					RB1#12	20.00	34.8	Pass
					RB1#24	20.18	34.8	Pass
					RB12#0	19.91	34.8	Pass
					RB12#11	19.91	34.8	Pass
					RB25#0	20.51	34.8	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	ERP [dBm]	Limit (dBm)	Verdict
LTE Bab17	QPSK	10MHz	23780	709.0	RB1#0	20.73	34.8	Pass
					RB1#24	20.01	34.8	Pass
					RB1#49	20.70	34.8	Pass
					RB25#0	20.35	34.8	Pass
					RB25#24	20.28	34.8	Pass
					RB50#0	20.27	34.8	Pass
	16-QAM	10MHz	23780	709.0	RB1#0	20.11	34.8	Pass
					RB1#24	20.01	34.8	Pass
					RB1#49	19.91	34.8	Pass
					RB25#0	20.11	34.8	Pass
					RB25#24	19.90	34.8	Pass
					RB50#0	20.52	34.8	Pass
	QPSK	10MHz	23790	710.0	RB1#0	20.00	34.8	Pass
					RB1#24	20.67	34.8	Pass
					RB1#49	20.70	34.8	Pass
					RB25#0	20.46	34.8	Pass
					RB25#24	20.48	34.8	Pass
					RB50#0	20.47	34.8	Pass
	16-QAM	10MHz	23790	710.0	RB1#0	20.31	34.8	Pass
					RB1#24	20.01	34.8	Pass
					RB1#49	20.41	34.8	Pass
					RB25#0	20.33	34.8	Pass
					RB25#24	20.01	34.8	Pass
					RB50#0	20.01	34.8	Pass
	QPSK	10MHz	23800	711.0	RB1#0	20.27	34.8	Pass
					RB1#24	20.43	34.8	Pass
					RB1#49	20.44	34.8	Pass
					RB25#0	20.43	34.8	Pass
					RB25#24	20.54	34.8	Pass
					RB50#0	20.21	34.8	Pass
	16-QAM	10MHz	23800	711.0	RB1#0	20.39	34.8	Pass
					RB1#24	20.01	34.8	Pass
					RB1#49	20.21	34.8	Pass
					RB25#0	20.27	34.8	Pass
					RB25#24	19.91	34.8	Pass
					RB50#0	19.98	34.8	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	5MHz	26065	1852.5	RB1#0	25.58	33	Pass
					RB1#12	25.46	33	Pass
					RB1#24	25.71	33	Pass
					RB12#0	25.36	33	Pass
					RB12#11	25.65	33	Pass
					RB25#0	24.42	33	Pass
	16-QAM	5MHz	26065	1852.5	RB1#0	24.59	33	Pass
					RB1#12	24.85	33	Pass
					RB1#24	24.64	33	Pass
					RB12#0	24.65	33	Pass
					RB12#11	24.53	33	Pass
					RB25#0	24.42	33	Pass
	QPSK	5MHz	26365	1882.5	RB1#0	25.46	33	Pass
					RB1#12	24.59	33	Pass
					RB1#24	25.49	33	Pass
					RB12#0	25.53	33	Pass
					RB12#11	24.43	33	Pass
					RB25#0	24.48	33	Pass
	16-QAM	5MHz	26365	1882.5	RB1#0	24.32	33	Pass
					RB1#12	24.26	33	Pass
					RB1#24	24.32	33	Pass
					RB12#0	24.23	33	Pass
					RB12#11	25.19	33	Pass
					RB25#0	24.47	33	Pass
	QPSK	5MHz	26665	1912.5	RB1#0	25.63	33	Pass
					RB1#12	25.28	33	Pass
					RB1#24	25.68	33	Pass
					RB12#0	25.37	33	Pass
					RB12#11	25.33	33	Pass
					RB25#0	24.59	33	Pass
	16-QAM	5MHz	26665	1912.5	RB1#0	24.70	33	Pass
					RB1#12	24.29	33	Pass
					RB1#24	24.91	33	Pass
					RB12#0	24.75	33	Pass
					RB12#11	24.39	33	Pass
					RB25#0	24.34	33	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	10MHz	26090	1855.0	RB1#0	25.64	33	Pass
					RB1#24	25.08	33	Pass
					RB1#49	25.61	33	Pass
					RB25#0	25.09	33	Pass
					RB25#24	24.58	33	Pass
					RB50#0	24.36	33	Pass
	16-QAM	10MHz	26090	1855.0	RB1#0	24.37	33	Pass
					RB1#24	24.37	33	Pass
					RB1#49	24.41	33	Pass
					RB25#0	24.28	33	Pass
					RB25#24	24.26	33	Pass
					RB50#0	24.37	33	Pass
	QPSK	10MHz	26365	1882.5	RB1#0	25.51	33	Pass
					RB1#24	25.19	33	Pass
					RB1#49	25.43	33	Pass
					RB25#0	25.33	33	Pass
					RB25#24	25.08	33	Pass
					RB50#0	24.51	33	Pass
	16-QAM	10MHz	26365	1882.5	RB1#0	24.87	33	Pass
					RB1#24	24.79	33	Pass
					RB1#49	24.76	33	Pass
					RB25#0	24.39	33	Pass
					RB25#24	24.36	33	Pass
					RB50#0	24.32	33	Pass
	QPSK	10MHz	26640	1910.0	RB1#0	25.64	33	Pass
					RB1#24	24.86	33	Pass
					RB1#49	25.62	33	Pass
					RB25#0	24.75	33	Pass
					RB25#24	24.58	33	Pass
					RB50#0	24.42	33	Pass
	16-QAM	10MHz	26640	1910.0	RB1#0	24.48	33	Pass
					RB1#24	24.23	33	Pass
					RB1#49	24.55	33	Pass
					RB25#0	24.53	33	Pass
					RB25#24	24.25	33	Pass
					RB50#0	24.32	33	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	15MHz	26115	1857.5	RB1#0	25.43	33	Pass
					RB1#37	25.55	33	Pass
					RB1#74	25.25	33	Pass
					RB36#0	25.38	33	Pass
					RB36#37	25.51	33	Pass
					RB75#0	24.88	33	Pass
	16-QAM	15MHz	26115	1857.5	RB1#0	24.79	33	Pass
					RB1#37	24.86	33	Pass
					RB1#74	24.58	33	Pass
					RB36#0	24.40	33	Pass
					RB36#37	24.33	33	Pass
					RB75#0	25.18	33	Pass
	QPSK	15MHz	26365	1882.5	RB1#0	24.53	33	Pass
					RB1#37	25.16	33	Pass
					RB1#74	25.55	33	Pass
					RB36#0	25.08	33	Pass
					RB36#37	25.51	33	Pass
					RB75#0	24.39	33	Pass
	16-QAM	15MHz	26365	1882.5	RB1#0	24.40	33	Pass
					RB1#37	24.33	33	Pass
					RB1#74	24.53	33	Pass
					RB36#0	24.39	33	Pass
					RB36#37	24.38	33	Pass
					RB75#0	24.65	33	Pass
	QPSK	15MHz	26615	1907.5	RB1#0	24.42	33	Pass
					RB1#37	24.75	33	Pass
					RB1#74	24.86	33	Pass
					RB36#0	24.68	33	Pass
					RB36#37	24.81	33	Pass
					RB75#0	24.38	33	Pass
	16-QAM	15MHz	26615	1907.5	RB1#0	24.55	33	Pass
					RB1#37	24.75	33	Pass
					RB1#74	24.65	33	Pass
					RB36#0	24.59	33	Pass
					RB36#37	24.65	33	Pass
					RB75#0	24.29	33	Pass

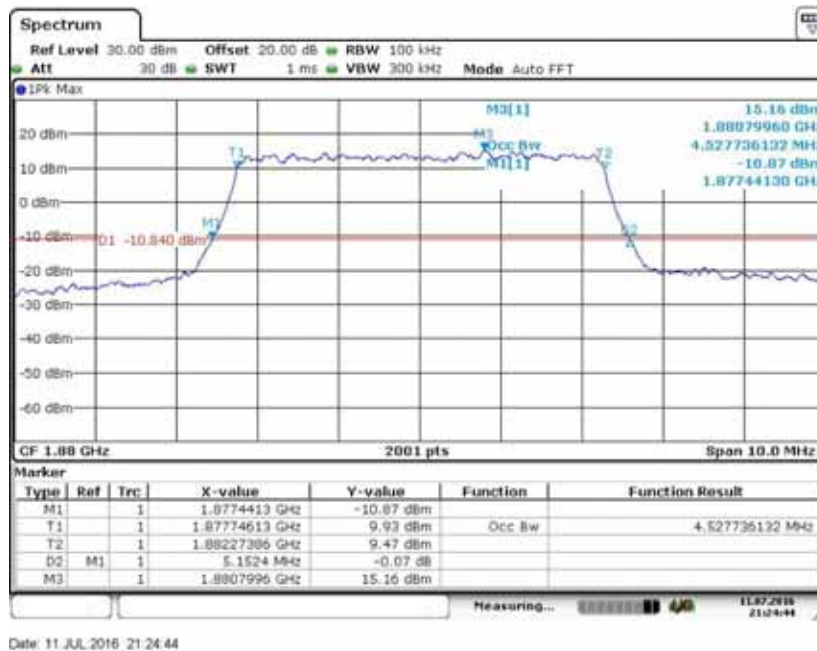
Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	EIRP [dBm]	Limit (dBm)	Verdict
LTE Bab25	QPSK	20MHz	26140	1860.0	RB1#0	25.62	33	Pass
					RB1#49	25.48	33	Pass
					RB1#99	25.48	33	Pass
					RB50#0	25.25	33	Pass
					RB50#49	24.92	33	Pass
					RB100#0	24.34	33	Pass
	16-QAM	20MHz	26140	1860.0	RB1#0	24.32	33	Pass
					RB1#49	24.25	33	Pass
					RB1#99	24.32	33	Pass
					RB50#0	24.23	33	Pass
					RB50#49	25.19	33	Pass
					RB100#0	24.42	33	Pass
	QPSK	20MHz	26365	1882.5	RB1#0	25.62	33	Pass
					RB1#49	25.25	33	Pass
					RB1#99	25.46	33	Pass
					RB50#0	24.75	33	Pass
					RB50#49	24.65	33	Pass
					RB100#0	24.29	33	Pass
	16-QAM	20MHz	26365	1882.5	RB1#0	24.74	33	Pass
					RB1#49	24.26	33	Pass
					RB1#99	24.52	33	Pass
					RB50#0	24.33	33	Pass
					RB50#49	24.29	33	Pass
					RB100#0	24.32	33	Pass
	QPSK	20MHz	26590	1905.0	RB1#0	25.48	33	Pass
					RB1#49	24.38	33	Pass
					RB1#99	25.58	33	Pass
					RB50#0	24.66	33	Pass
					RB50#49	24.86	33	Pass
					RB100#0	24.37	33	Pass
	16-QAM	20MHz	26590	1905.0	RB1#0	24.43	33	Pass
					RB1#49	24.91	33	Pass
					RB1#99	24.50	33	Pass
					RB50#0	24.29	33	Pass
					RB50#49	24.33	33	Pass
					RB100#0	24.41	33	Pass

APPENDIX C: TEST DATA FOR OCCUPIED BANDWIDTH

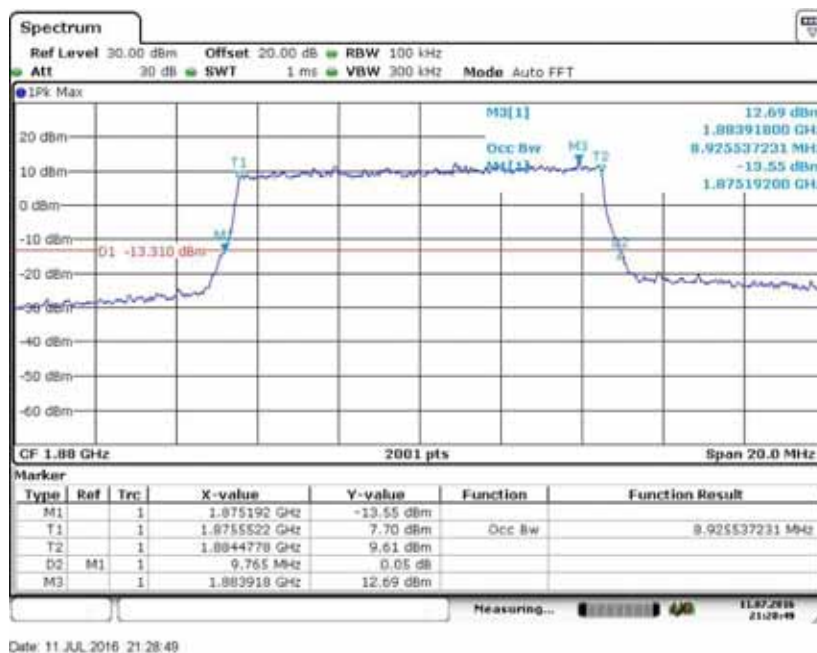
Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Occupied Bandwidth (KHz)	Emission Bandwidth (KHz)
LTE BAND2	QPSK	5MHz	18900	1880.0	4527.736	5152.40
		10MHz	18900	1880.0	8925.537	9765.00
		15MHz	18900	1880.0	13493.253	15022.00
		20MHz	18900	1880.0	17982.018	19585.00
LTE BAND4	QPSK	5MHz	20175	1732.5	4495.504	5074.00
		10MHz	20175	1732.5	8951.049	9791.00
		15MHz	20175	1732.5	13426.573	14995.00
		20MHz	20175	1732.5	17902.098	19580.00
LTE BAND5	QPSK	5MHz	20525	836.5	4515.485	5129.00
		10MHz	20525	836.5	8931.069	9781.00
LTE BAND13	QPSK	5MHz	23230	782.0	4525.475	5065.00
		10MHz	23230	782.0	8911.089	9730.00
LTE BAND17	QPSK	5MHz	23790	710.0	4515.485	5125.00
		10MHz	23790	710.0	8951.049	9730.00
LTE BAND25	QPSK	5MHz	26365	1882.5	4505.495	5135.00
		10MHz	26365	1882.5	8931.069	9820.00
		15MHz	26365	1882.5	13456.543	14925.00
		20MHz	26365	1882.5	17942.058	19470.00
LTE BAND2	16-QAM	5MHz	18900	1880.0	4507.746	5142.40
		10MHz	18900	1880.0	8935.532	9685.00
		15MHz	18900	1880.0	13508.246	14978.00
		20MHz	18900	1880.0	17982.018	19625.00
LTE BAND4	16-QAM	5MHz	20175	1732.5	4505.495	5094.00
		10MHz	20175	1732.5	8931.069	9691.00
		15MHz	20175	1732.5	13456.543	14866.00
		20MHz	20175	1732.5	17862.138	19341.00
LTE BAND5	16-QAM	5MHz	20525	836.5	4495.504	5070.00
		10MHz	20525	836.5	8931.069	9701.00
LTE BAND13	16-QAM	5MHz	23230	782.0	4505.494	5015.00
		10MHz	23230	782.0	8911.089	9610.00
LTE BAND17	16-QAM	5MHz	23790	710.0	4535.465	5115.00
		10MHz	23790	710.0	8931.069	9690.00
LTE BAND25	16-QAM	5MHz	26365	1882.5	4515.485	5085.00
		10MHz	26365	1882.5	8951.049	9800.00
		15MHz	26365	1882.5	13516.484	14915.00
		20MHz	26365	1882.5	17942.058	19630.00

Test plots as follow:

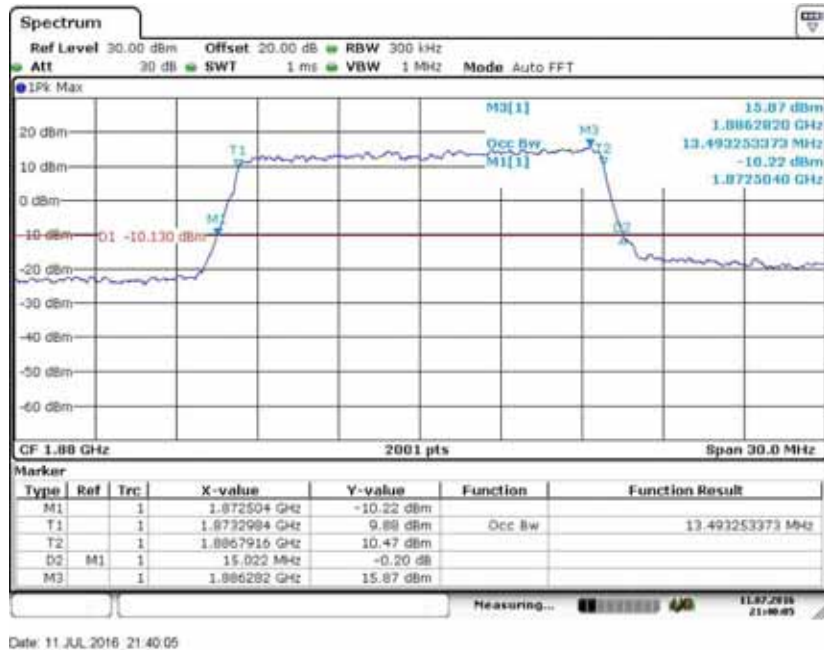
Test Model	Bandwidth	QPSK Modulation	Test BW	5MHz
	LTE BAND2			
	Test Channel	18900	Frequency(MHz)	1880.0



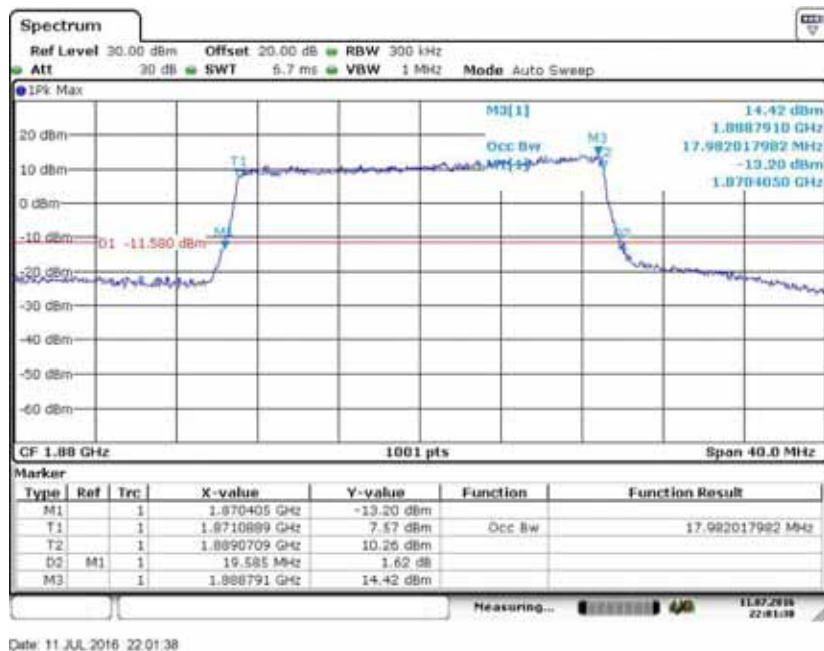
Test Model	Bandwidth	QPSK Modulation	Test BW	10MHz
	LTE BAND2			
	Test Channel	18900	Frequency(MHz)	1880.0



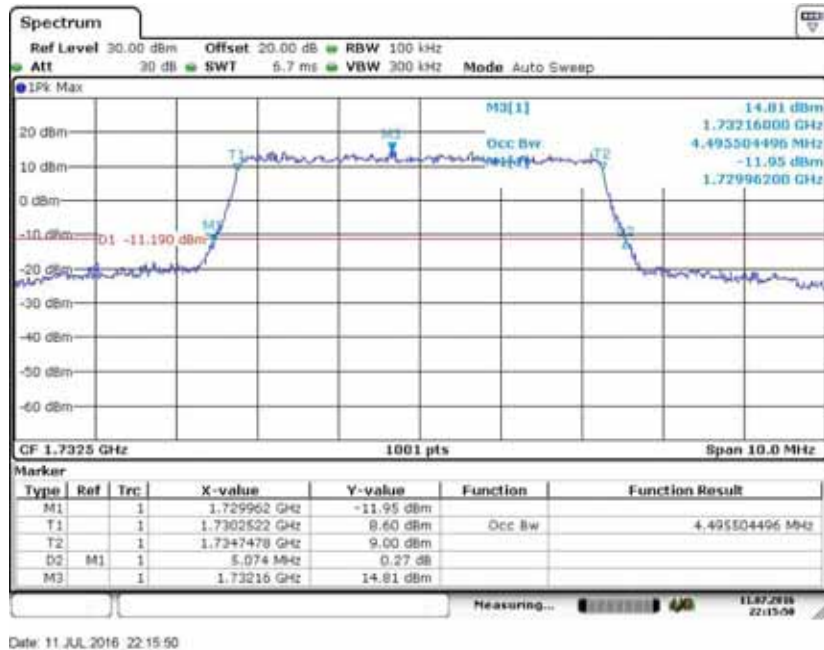
Test Model	Bandwidth	QPSK Modulation	Test BW	15MHz
	LTE BAND2			
	Test Channel	18900	Frequency(MHz)	1880.0



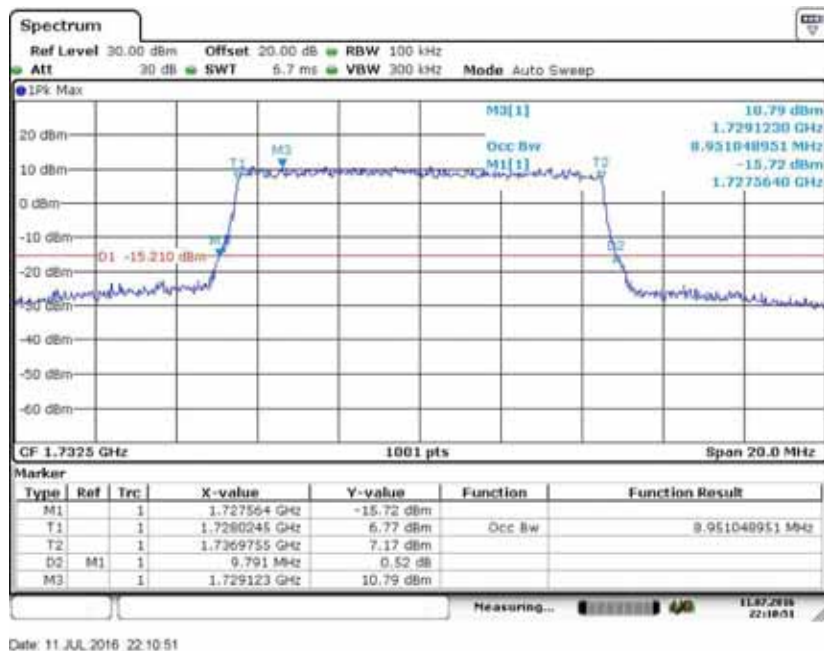
Test Model	Bandwidth	QPSK Modulation	Test BW	20MHz
	LTE BAND2			
	Test Channel	18900	Frequency(MHz)	1880.0



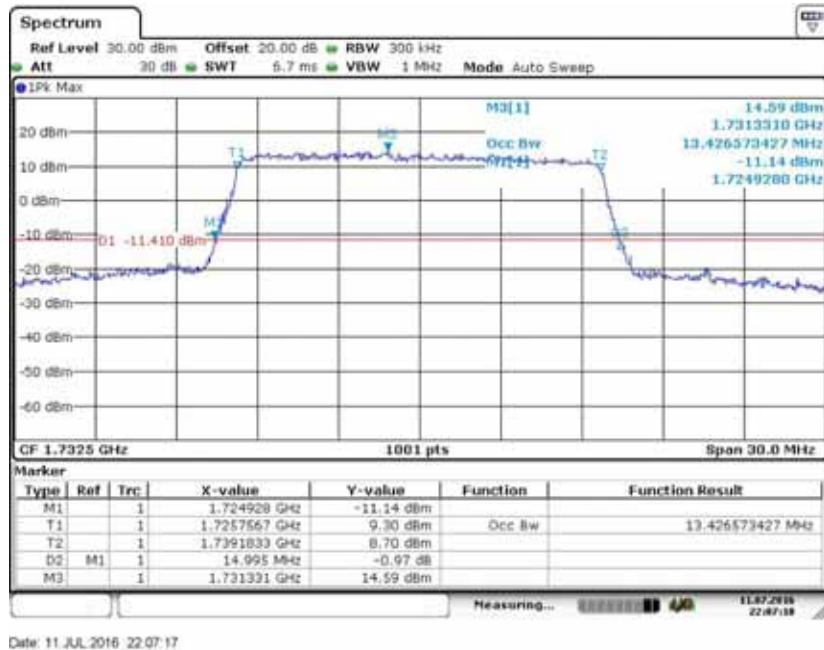
Test Model	Bandwidth	QPSK Modulation	Test BW	5MHz
	LTE BAND4			
	Test Channel	20175	Frequency(MHz)	1732.5



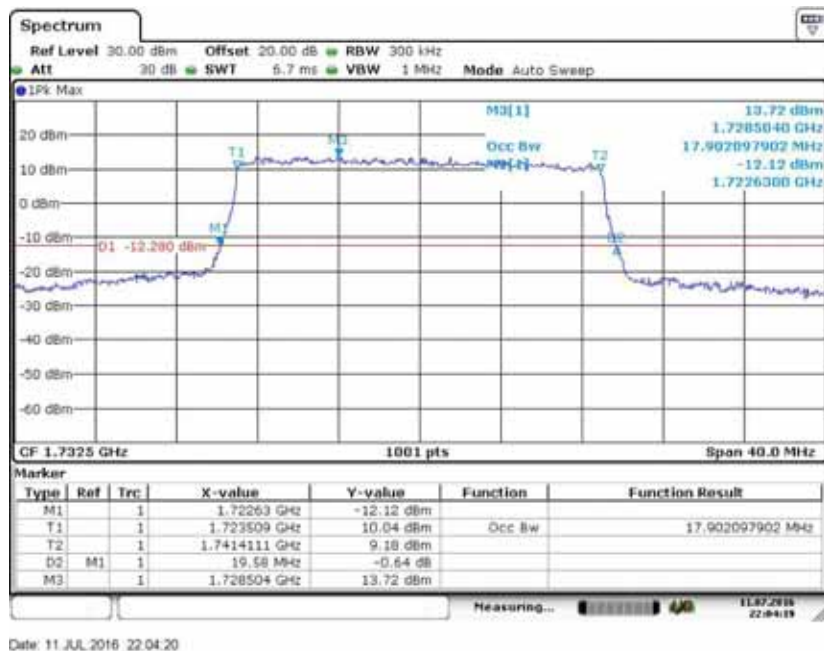
Test Model	Bandwidth	QPSK Modulation	Test BW	10MHz
	LTE BAND4			
	Test Channel	20175	Frequency(MHz)	1732.5



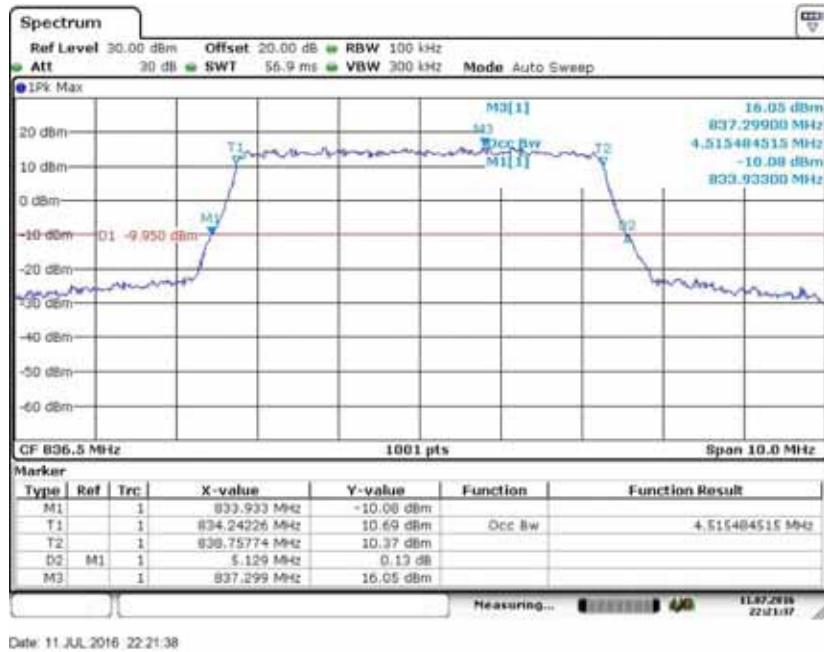
Test Model	Bandwidth	QPSK Modulation	Test BW	15MHz
	LTE BAND4			
	Test Channel	20175	Frequency(MHz)	1732.5



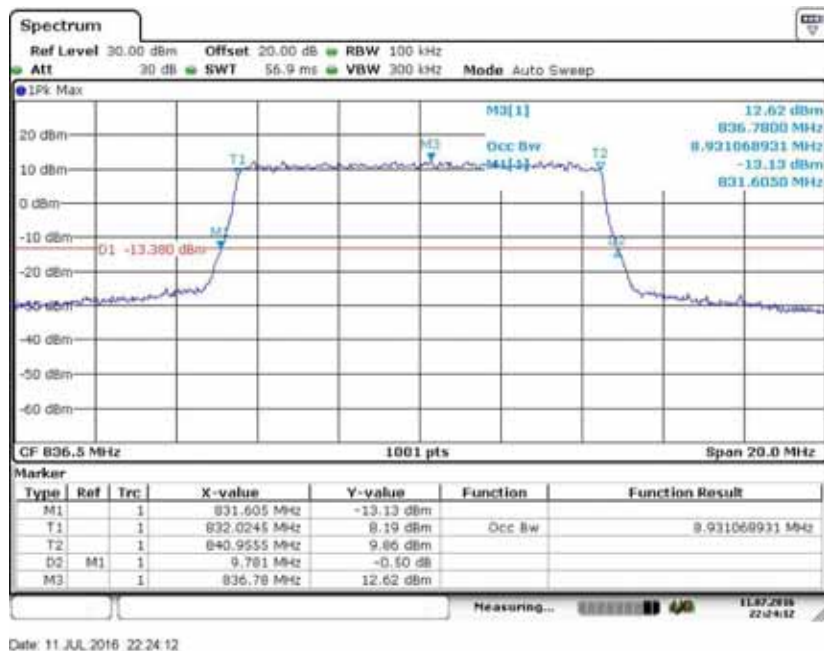
Test Model	Bandwidth	QPSK Modulation	Test BW	20MHz
	LTE BAND4			
	Test Channel	20175	Frequency(MHz)	1732.5



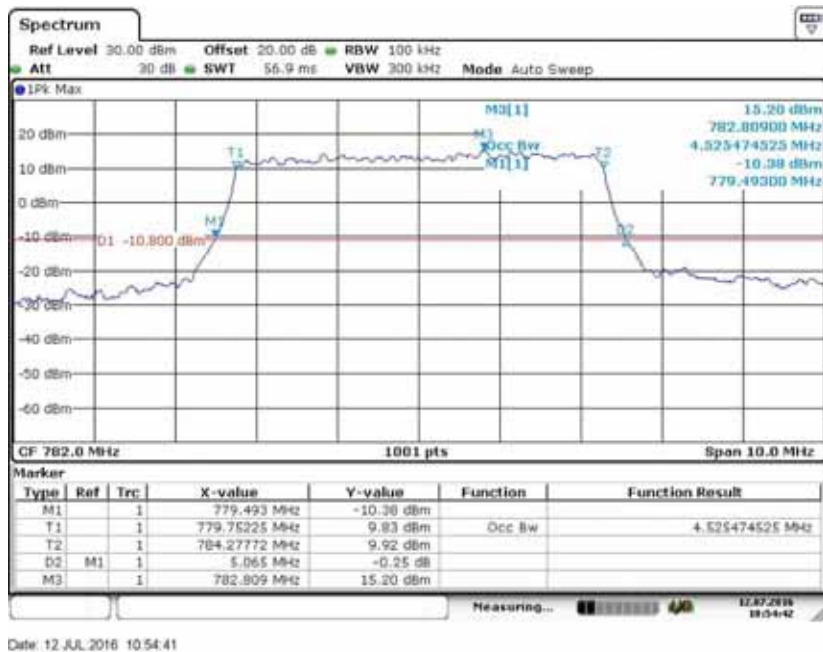
Test Model	Bandwidth	QPSK Modulation	Test BW	5MHz
	LTE BAND5			
	Test Channel	20525	Frequency(MHz)	836.5



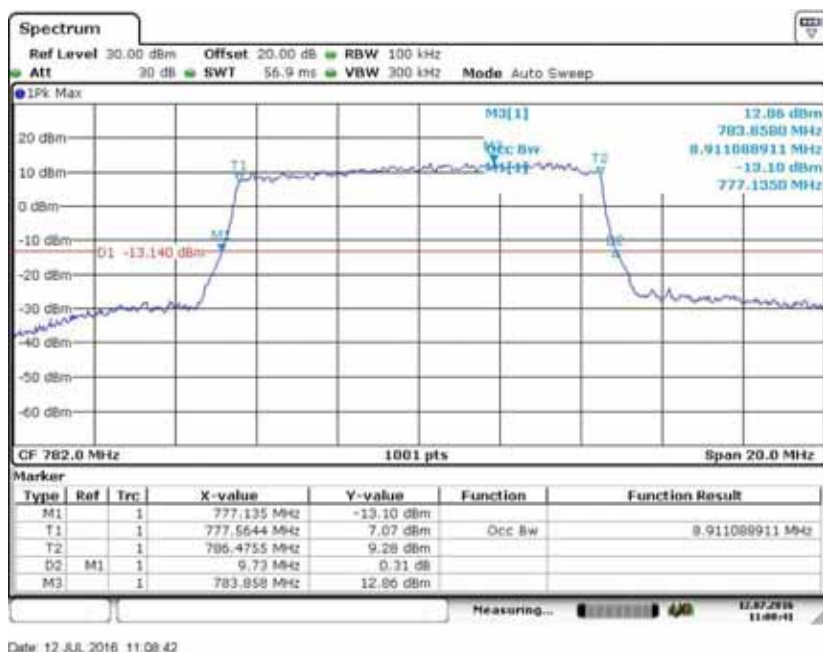
Test Model	Bandwidth	QPSK Modulation	Test BW	10MHz
	LTE BAND5			
	Test Channel	20525	Frequency(MHz)	836.5



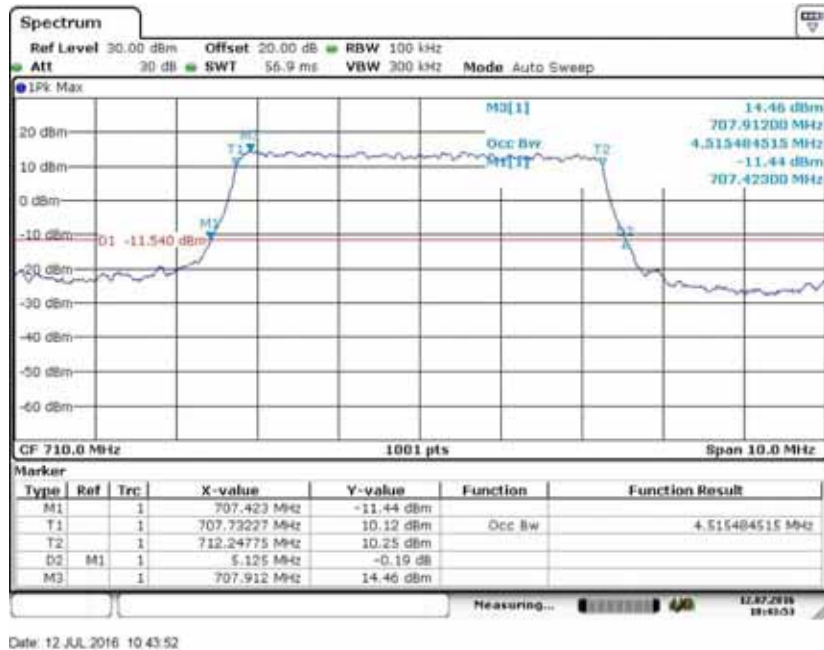
Test Model	Bandwidth	QPSK Modulation	Test BW	5MHz
	LTE BAND13			
	Test Channel	23230	Frequency(MHz)	782.0



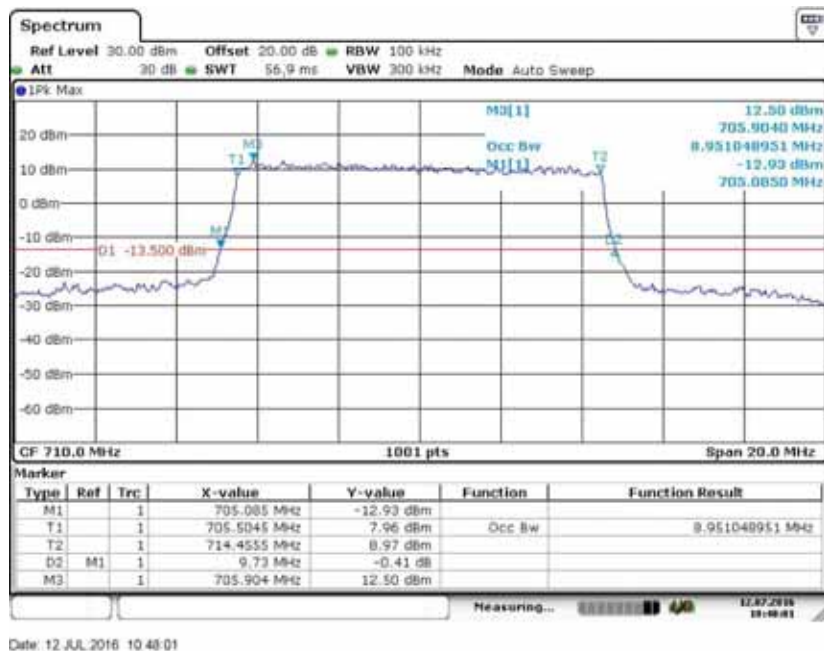
Test Model	Bandwidth	QPSK Modulation	Test BW	10MHz
	LTE BAND13			
	Test Channel	23230	Frequency(MHz)	782.0



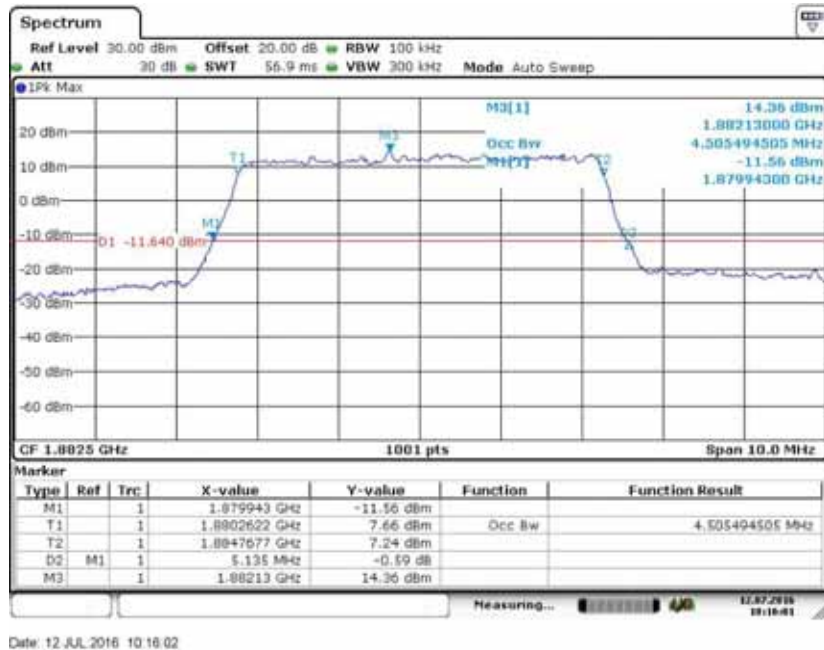
Test Model	Bandwidth	QPSK Modulation	Test BW	5MHz
	LTE BAND17			
	Test Channel	23790	Frequency(MHz)	710.0



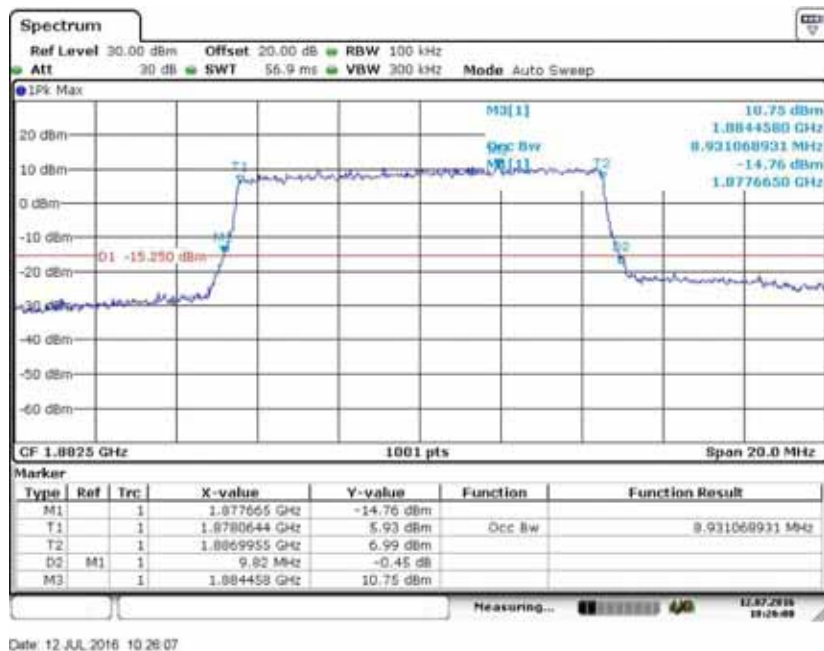
Test Model	Bandwidth	QPSK Modulation	Test BW	10MHz
	LTE BAND17			
	Test Channel	23790	Frequency(MHz)	710.0



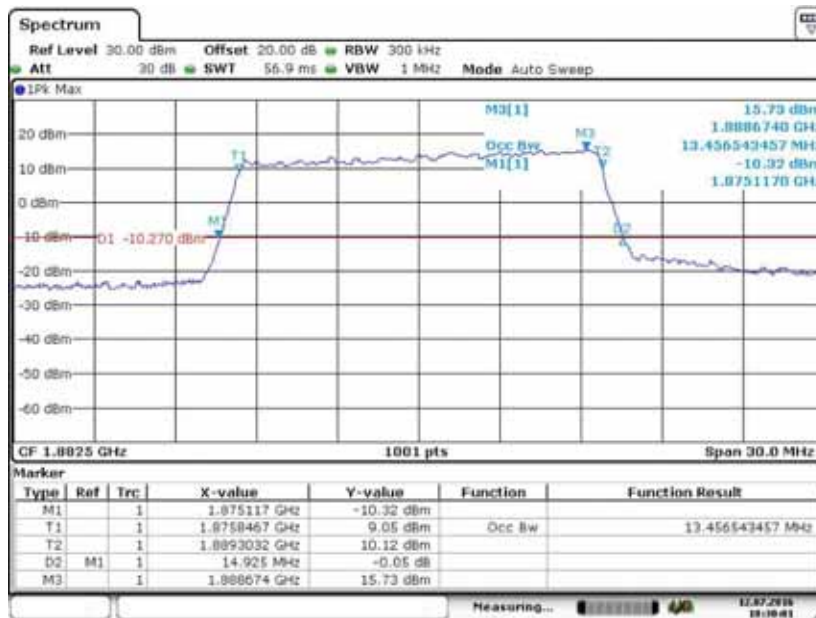
Test Model	Bandwidth	QPSK Modulation	Test BW	5MHz
	LTE BAND25			
	Test Channel	26365	Frequency(MHz)	1882.5



Test Model	Bandwidth	QPSK Modulation	Test BW	10MHz
	LTE BAND25			
	Test Channel	26365	Frequency(MHz)	1882.5

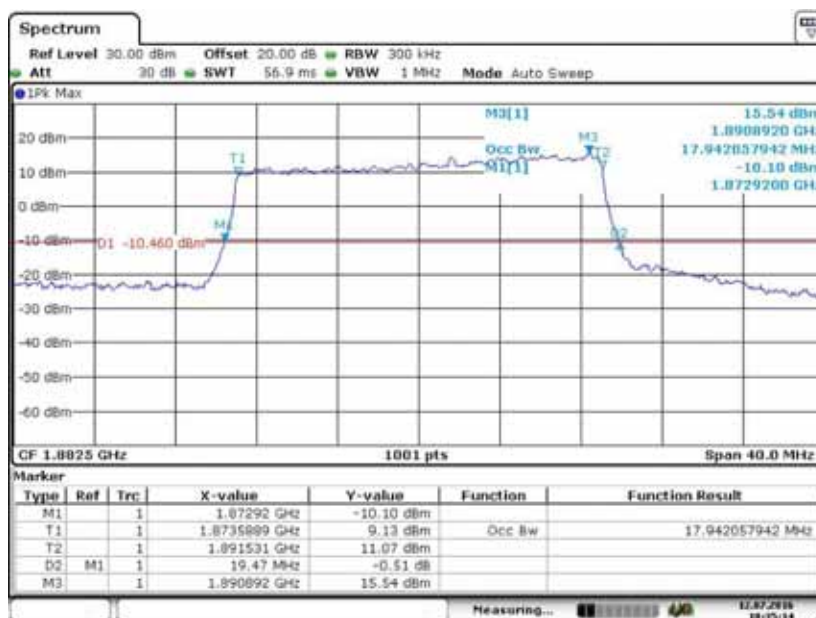


Test Model	Bandwidth	QPSK Modulation	Test BW	15MHz
	LTE BAND25			
	Test Channel	26365	Frequency(MHz)	1882.5



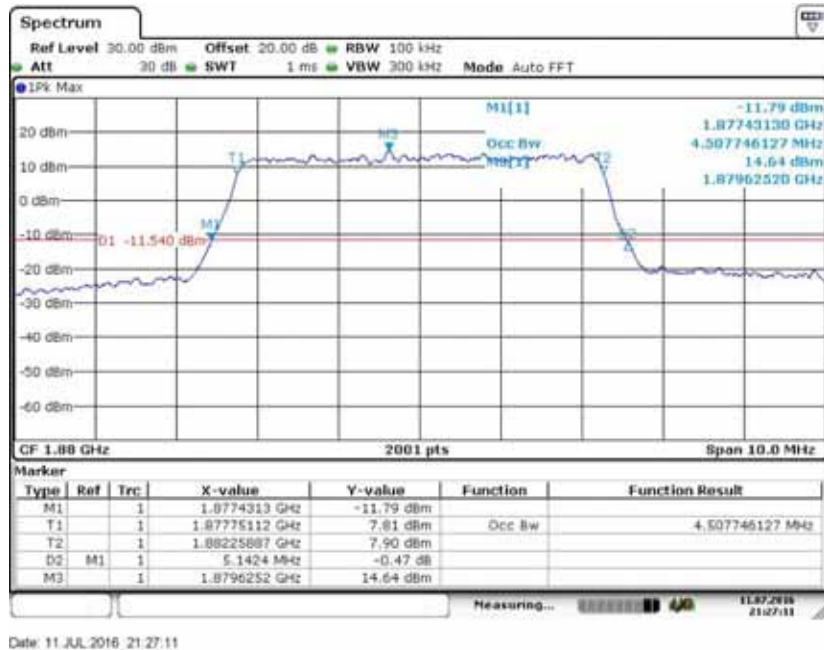
Date: 12 JUL 2016 10:30:01

Test Model	Bandwidth	QPSK Modulation	Test BW	20MHz
	LTE BAND25			
	Test Channel	26365	Frequency(MHz)	1882.5

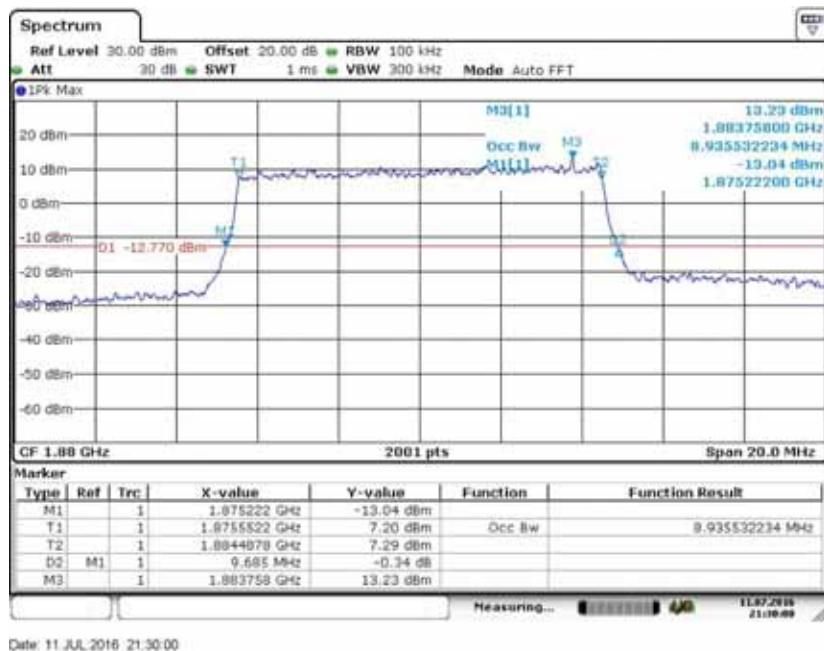


Date: 12 JUL 2016 10:35:15

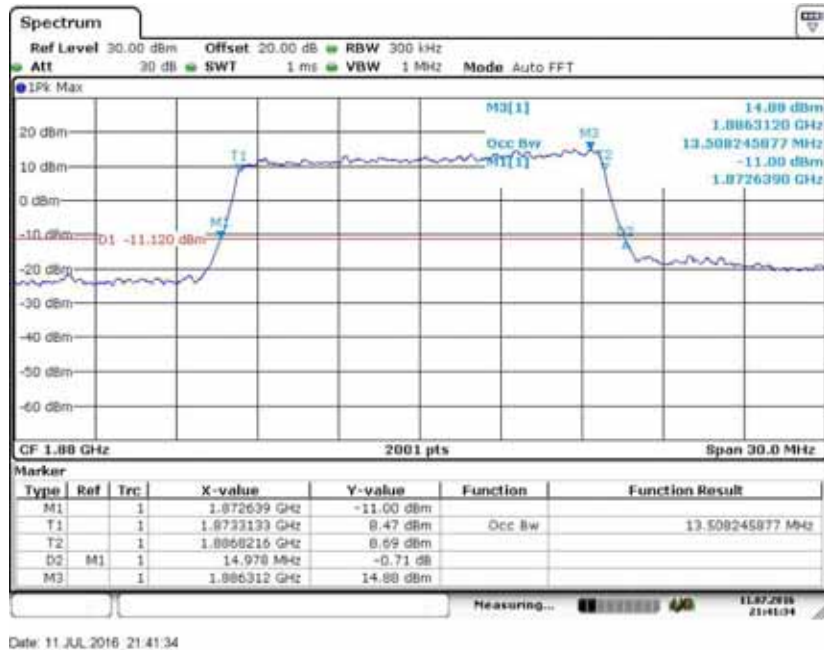
Test Model	Bandwidth	16-QAM Modulation	Test BW	5MHz
	LTE BAND2			
Test Channel		18900	Frequency(MHz)	1880.0



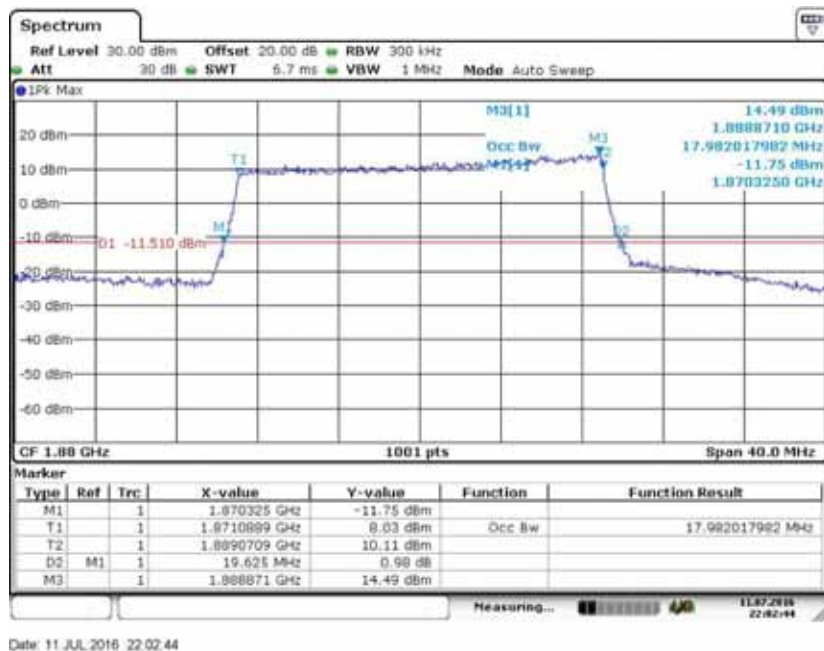
Test Model	Bandwidth	16-QAM Modulation	Test BW	10MHz
	LTE BAND2			
Test Channel		18900	Frequency(MHz)	1880.0



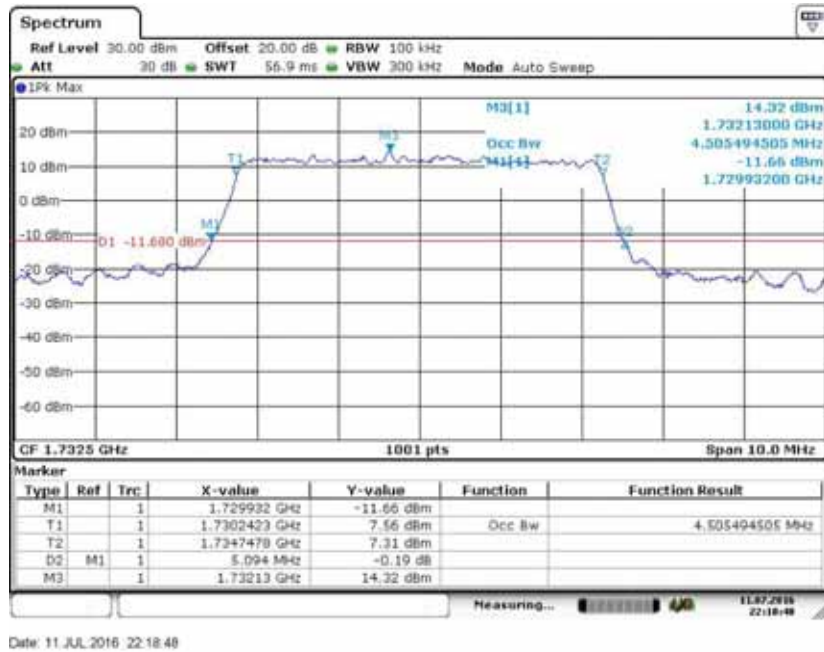
Test Model	Bandwidth	16-QAM Modulation	Test BW	15MHz
	LTE BAND2			
Test Channel		18900	Frequency(MHz)	1880.0



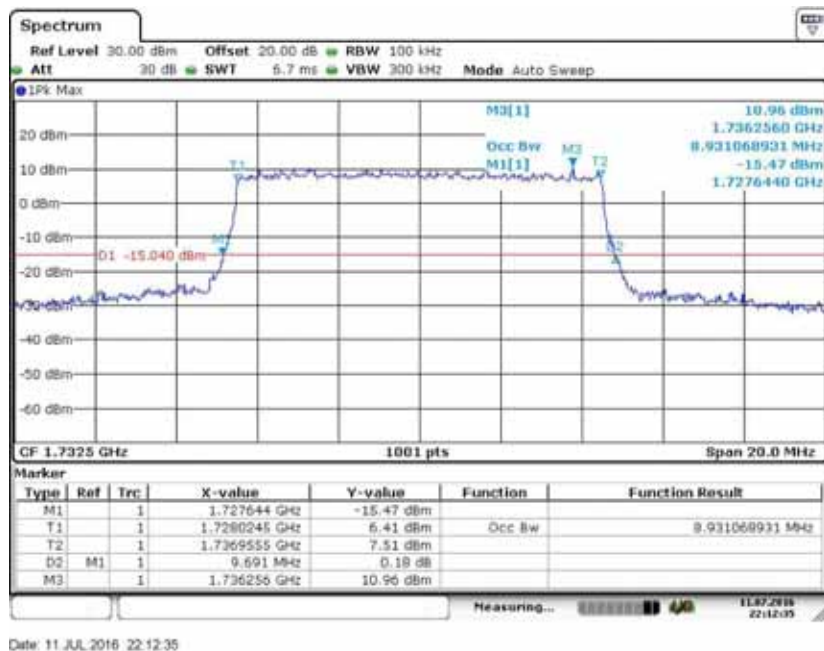
Test Model	Bandwidth	16-QAM Modulation	Test BW	20MHz
	LTE BAND2			
Test Channel		18900	Frequency(MHz)	1880.0



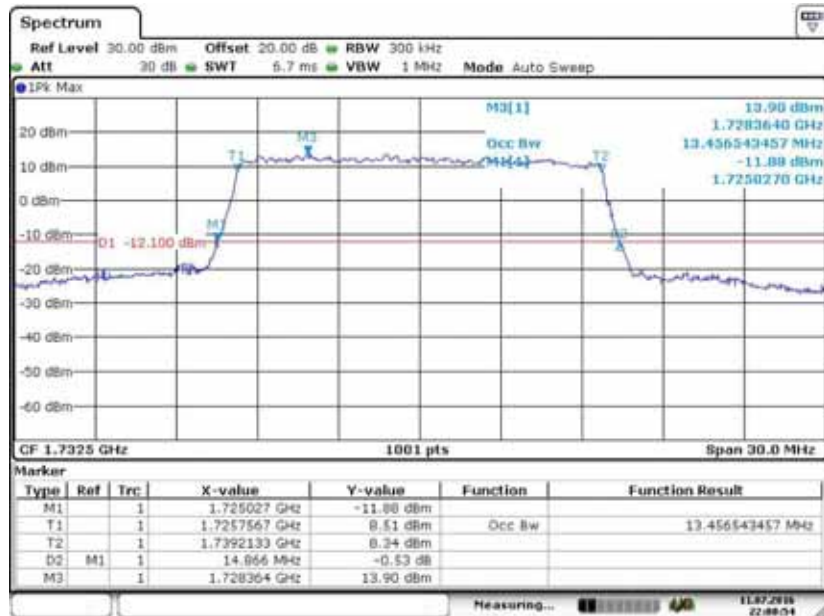
Test Model	Bandwidth	16-QAM Modulation	Test BW	5MHz
	LTE BAND4			
	Test Channel	20175	Frequency(MHz)	1732.5



Test Model	Bandwidth	16-QAM Modulation	Test BW	10MHz
	LTE BAND4			
	Test Channel	20175	Frequency(MHz)	1732.5

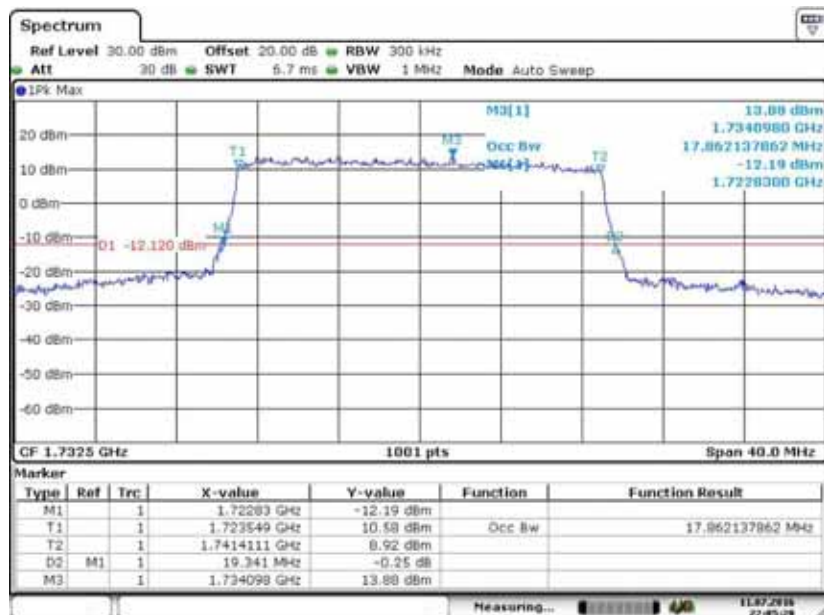


Test Model	Bandwidth	16-QAM Modulation	Test BW	15MHz
	LTE BAND4			
Test Channel		20175	Frequency(MHz)	1732.5



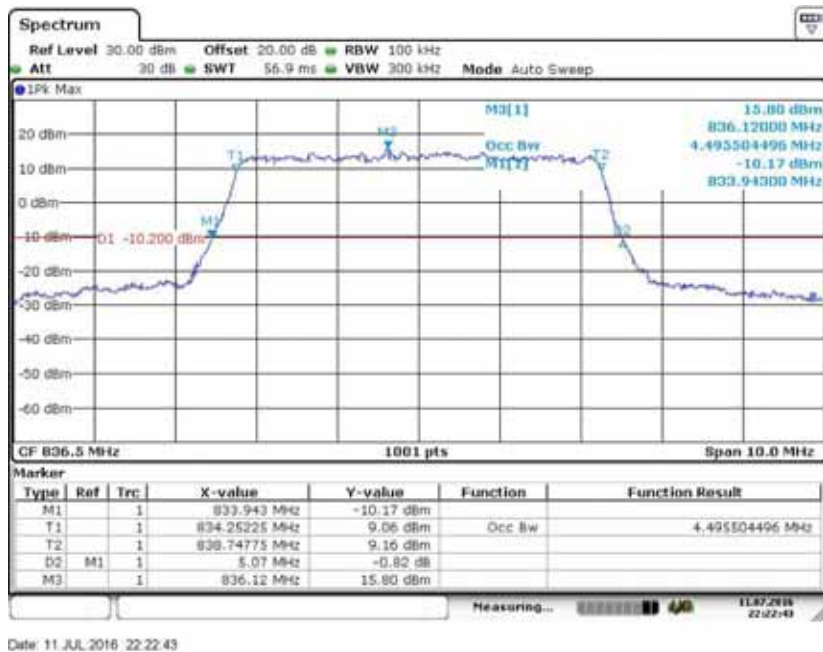
Date: 11 JUL 2016 22:08:54

Test Model	Bandwidth	16-QAM Modulation	Test BW	20MHz
	LTE BAND4			
Test Channel		20175	Frequency(MHz)	1732.5



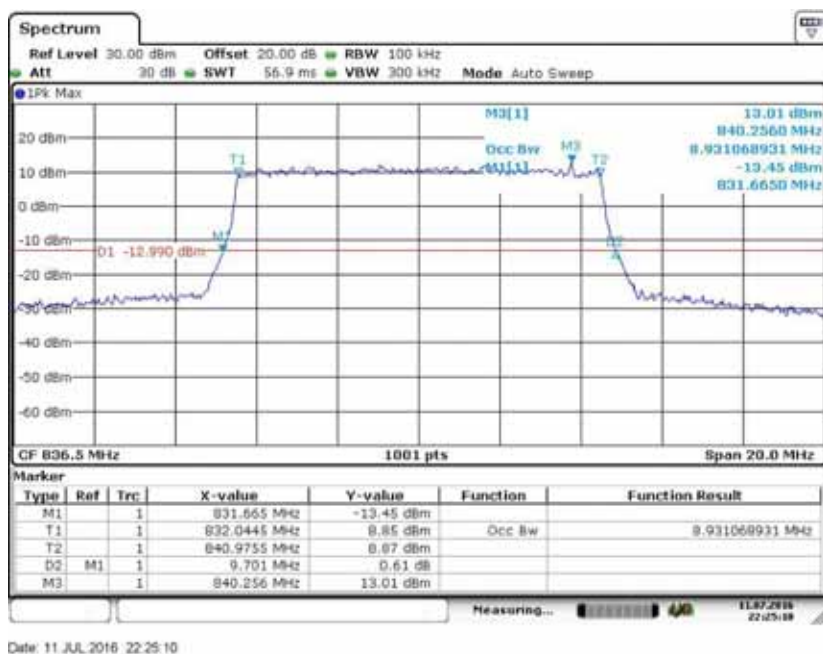
Date: 11 JUL 2016 22:05:28

Test Model	Bandwidth	16-QAM Modulation	Test BW	5MHz
	LTE BAND5			
	Test Channel	20525	Frequency(MHz)	836.5



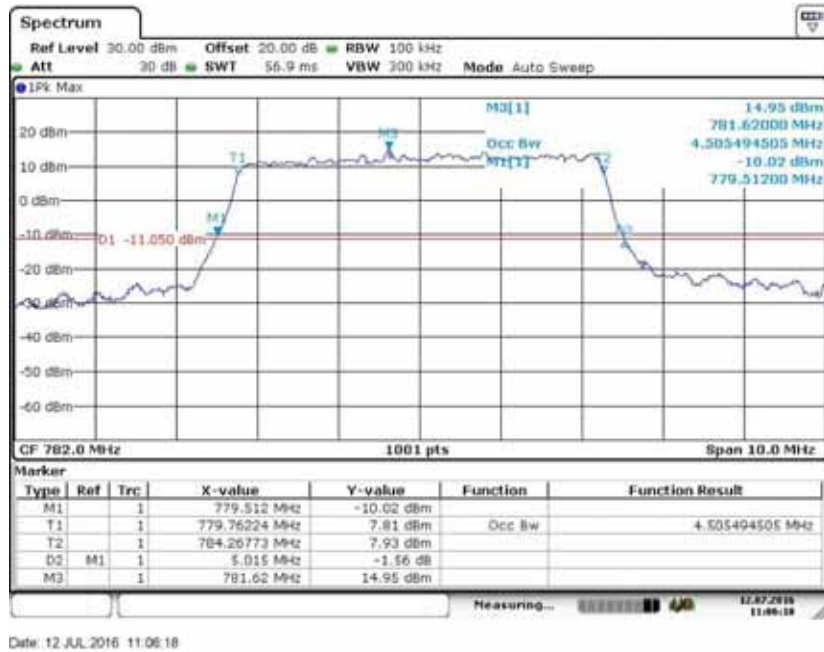
Date: 11 JUL 2016 22:22:43

Test Model	Bandwidth	16-QAM Modulation	Test BW	10MHz
	LTE BAND5			
	Test Channel	20525	Frequency(MHz)	836.5



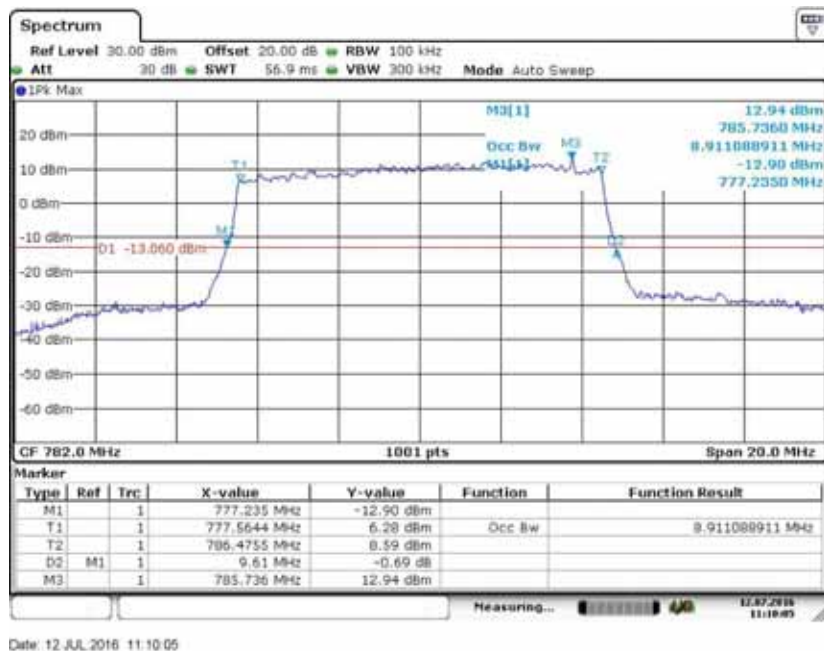
Date: 11 JUL 2016 22:25:10

Test Model	Bandwidth	16-QAM Modulation	Test BW	5MHz
	LTE BAND13			
Test Channel		23230	Frequency(MHz)	782.0



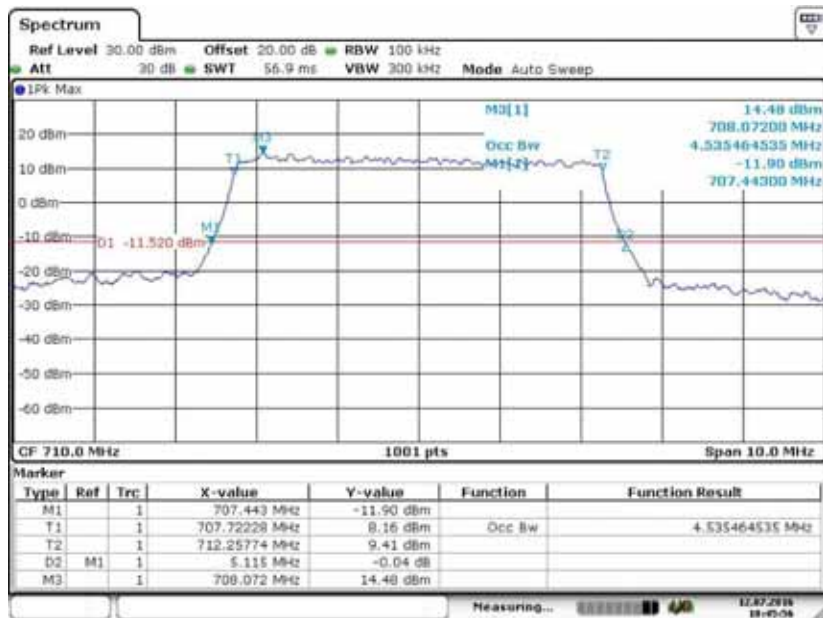
Date: 12 JUL 2016 11:06:18

Test Model	Bandwidth	16-QAM Modulation	Test BW	10MHz
	LTE BAND13			
Test Channel		23230	Frequency(MHz)	782.0



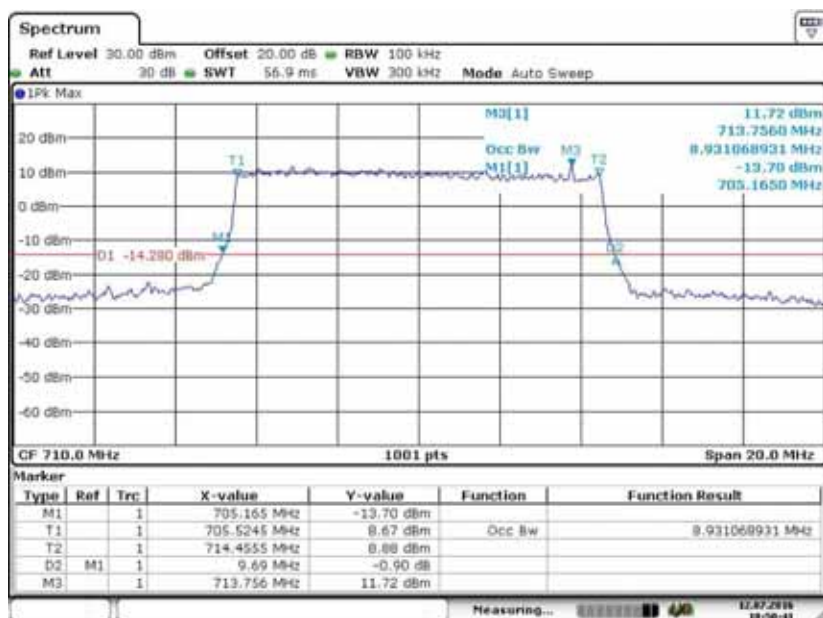
Date: 12 JUL 2016 11:10:05

Test Model	Bandwidth	16-QAM Modulation	Test BW	5MHz
	LTE BAND17			
	Test Channel	23790	Frequency(MHz)	710.0



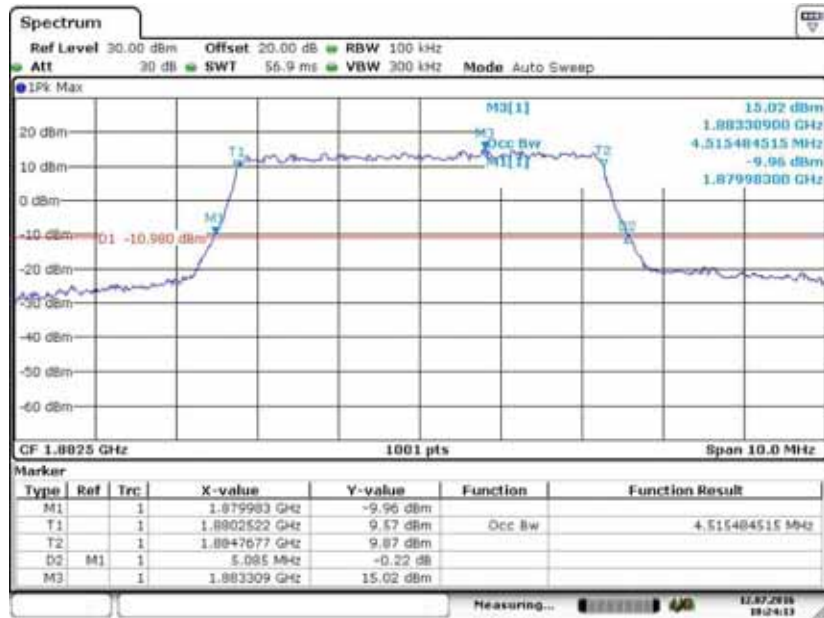
Date: 12 JUL 2016 10:45:56

Test Model	Bandwidth	16-QAM Modulation	Test BW	10MHz
	LTE BAND17			
	Test Channel	23790	Frequency(MHz)	710.0



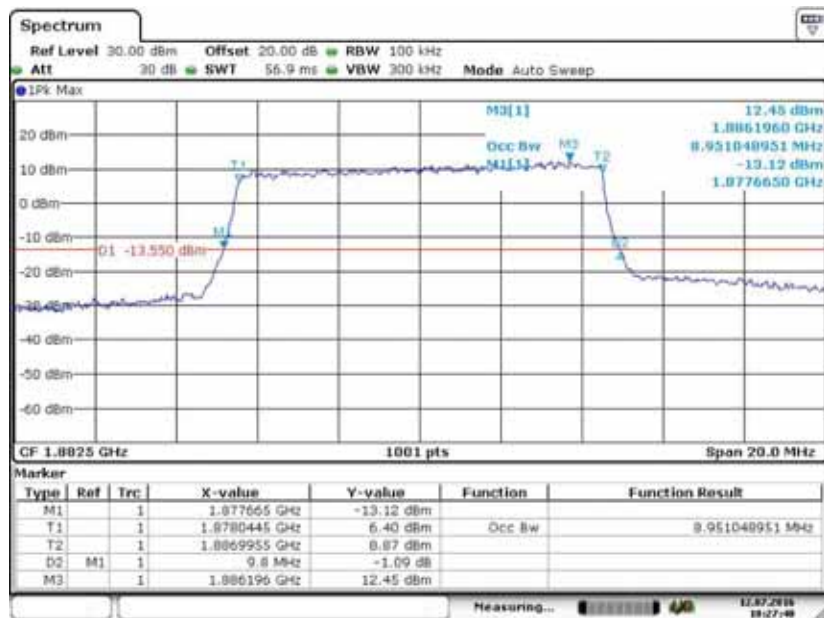
Date: 12 JUL 2016 10:50:41

Test Model	Bandwidth	16-QAM Modulation	Test BW	5MHz
	LTE BAND25			
Test Channel		26365	Frequency(MHz)	1882.5



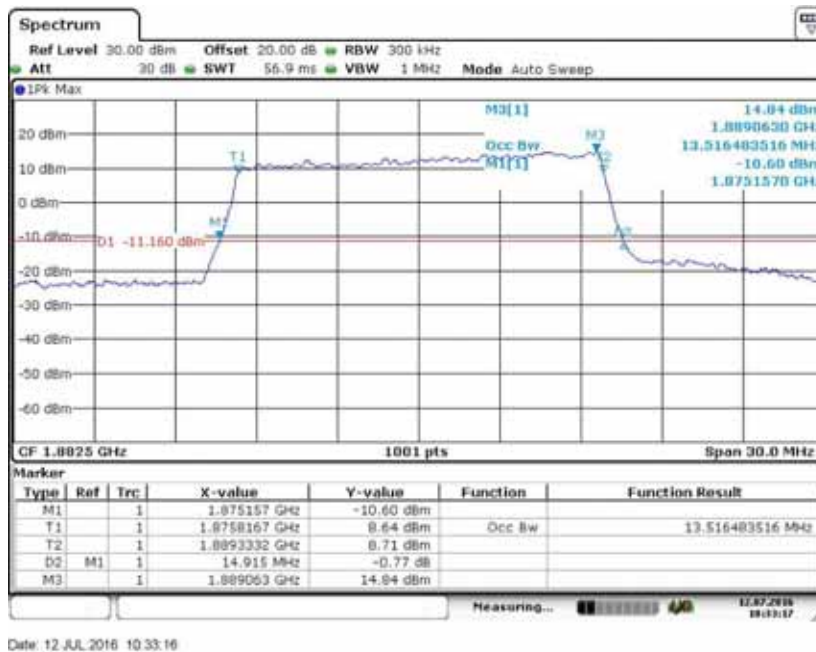
Date: 12 JUL 2016 10:24:13

Test Model	Bandwidth	16-QAM Modulation	Test BW	10MHz
	LTE BAND25			
Test Channel		26365	Frequency(MHz)	1882.5

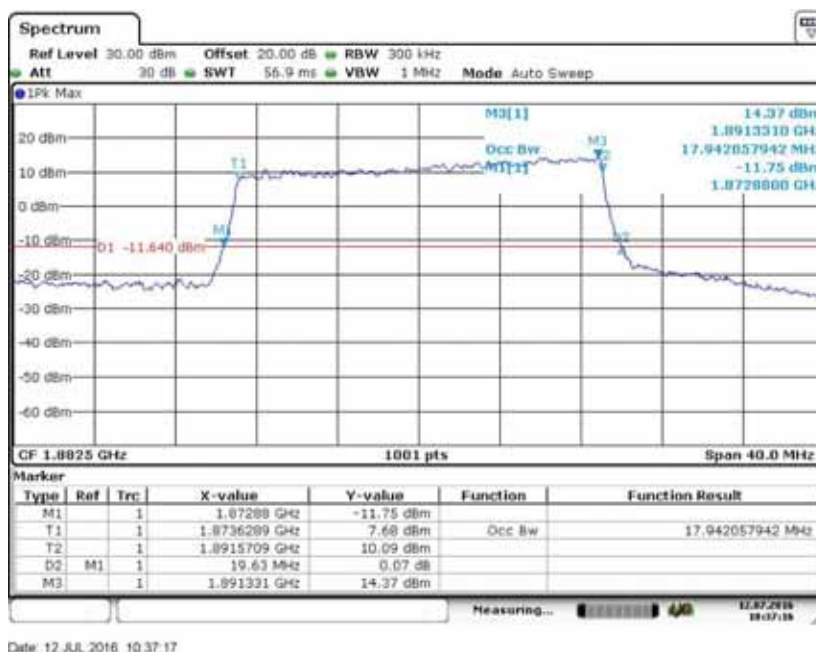


Date: 12 JUL 2016 10:27:41

Test Model	Bandwidth	16-QAM Modulation	Test BW	15MHz
	LTE BAND25			
Test Channel		26365	Frequency(MHz)	1882.5



Test Model	Bandwidth	16-QAM Modulation	Test BW	20MHz
	LTE BAND25			
Test Channel		26365	Frequency(MHz)	1882.5



APPENDIX D: TEST DATA FOR BAND EDGE EMISSION

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Values (dBm)	Limit (dBm)	Verdict
LTE Babd2	QPSK	5MHz	18625	1852.5	RB1#0	-21.79	-13.00	Pass
					RB25#0	-22.15	-13.00	Pass
	16-QAM	5MHz	18625	1852.5	RB1#0	-22.28	-13.00	Pass
					RB25#0	-22.89	-13.00	Pass
	QPSK	5MHz	19175	1907.5	RB1#0	-18.93	-13.00	Pass
					RB25#0	-17.89	-13.00	Pass
	16-QAM	5MHz	19175	1907.5	RB1#0	-21.03	-13.00	Pass
					RB25#0	-18.71	-13.00	Pass
LTE Babd2	QPSK	10MHz	18650	1855.0	RB1#0	-30.26	-13.00	Pass
					RB50#0	-31.57	-13.00	Pass
	16-QAM	10MHz	18650	1855.0	RB1#0	-30.33	-13.00	Pass
					RB50#0	-33.08	-13.00	Pass
	QPSK	10MHz	19150	1905.0	RB1#0	-25.49	-13.00	Pass
					RB50#0	-26.51	-13.00	Pass
	16-QAM	10MHz	19150	1905.0	RB1#0	-26.13	-13.00	Pass
					RB50#0	-27.41	-13.00	Pass
LTE Babd2	QPSK	15MHz	18675	1857.5	RB1#0	-19.39	-13.00	Pass
					RB75#0	-29.09	-13.00	Pass
	16-QAM	15MHz	18675	1857.5	RB1#0	-20.55	-13.00	Pass
					RB75#0	-30.84	-13.00	Pass
	QPSK	15MHz	19125	1902.5	RB1#0	-16.57	-13.00	Pass
					RB75#0	-23.44	-13.00	Pass
	16-QAM	15MHz	19125	1902.5	RB1#0	-16.91	-13.00	Pass
					RB75#0	-24.84	-13.00	Pass
LTE Babd2	QPSK	20MHz	18700	1860.0	RB1#0	-23.08	-13.00	Pass
					RB100#0	-32.16	-13.00	Pass
	16-QAM	20MHz	18700	1860.0	RB1#0	-23.45	-13.00	Pass
					RB100#0	-31.37	-13.00	Pass
	QPSK	20MHz	19100	1900.0	RB1#0	-20.58	-13.00	Pass
					RB100#0	-25.99	-13.00	Pass
	16-QAM	20MHz	19100	1900.0	RB1#0	-21.38	-13.00	Pass
					RB100#0	-26.95	-13.00	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd4	QPSK	5MHz	19975	1712.5	RB1#0	-16.21	-13.00	Pass
					RB25#0	-22.17	-13.00	Pass
	16-QAM	5MHz	19975	1712.5	RB1#0	-16.15	-13.00	Pass
					RB25#0	-21.64	-13.00	Pass
	QPSK	5MHz	20375	1752.5	RB1#0	-19.41	-13.00	Pass
					RB25#0	-21.62	-13.00	Pass
	16-QAM	5MHz	20375	1752.5	RB1#0	-16.84	-13.00	Pass
					RB25#0	-21.08	-13.00	Pass
LTE Babd4	QPSK	10MHz	20000	1715.0	RB1#0	-30.17	-13.00	Pass
					RB50#0	-29.88	-13.00	Pass
	16-QAM	10MHz	20000	1715.0	RB1#0	-30.19	-13.00	Pass
					RB50#0	-30.99	-13.00	Pass
	QPSK	10MHz	20350	1750.0	RB1#0	-27.68	-13.00	Pass
					RB50#0	-28.17	-13.00	Pass
	16-QAM	10MHz	20350	1750.0	RB1#0	-28.31	-13.00	Pass
					RB50#0	-29.33	-13.00	Pass
LTE Babd4	QPSK	15MHz	20025	1717.5	RB1#0	-16.90	-13.00	Pass
					RB75#0	-27.76	-13.00	Pass
	16-QAM	15MHz	20025	1717.5	RB1#0	-19.13	-13.00	Pass
					RB75#0	-28.40	-13.00	Pass
	QPSK	15MHz	20325	1747.5	RB1#0	-18.77	-13.00	Pass
					RB75#0	-28.35	-13.00	Pass
	16-QAM	15MHz	20325	1747.5	RB1#0	-17.86	-13.00	Pass
					RB75#0	-28.33	-13.00	Pass
LTE Babd4	QPSK	20MHz	20050	1720.0	RB1#0	-21.82	-13.00	Pass
					RB100#0	-30.11	-13.00	Pass
	16-QAM	20MHz	20050	1720.0	RB1#0	-21.82	-13.00	Pass
					RB100#0	-31.16	-13.00	Pass
	QPSK	20MHz	20300	1745.0	RB1#0	-21.58	-13.00	Pass
					RB100#0	-29.47	-13.00	Pass
	16-QAM	20MHz	20300	1745.0	RB1#0	-21.48	-13.00	Pass
					RB100#0	-30.41	-13.00	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd5	QPSK	5MHz	20425	826.5	RB1#0	-15.74	-13.00	Pass
					RB25#0	-19.39	-13.00	Pass
	16-QAM	5MHz	20425	826.5	RB1#0	-17.60	-13.00	Pass
					RB25#0	-21.72	-13.00	Pass
	QPSK	5MHz	20625	846.5	RB1#0	-15.04	-13.00	Pass
					RB25#0	-20.37	-13.00	Pass
	16-QAM	5MHz	20625	846.5	RB1#0	-16.92	-13.00	Pass
					RB25#0	-20.88	-13.00	Pass
LTE Babd5	QPSK	10MHz	20450	829.0	RB1#0	-30.36	-13.00	Pass
					RB50#0	-27.18	-13.00	Pass
	16-QAM	10MHz	20450	829.0	RB1#0	-29.69	-13.00	Pass
					RB50#0	-28.93	-13.00	Pass
	QPSK	10MHz	20600	844.0	RB1#0	-29.13	-13.00	Pass
					RB50#0	-28.44	-13.00	Pass
	16-QAM	10MHz	20600	844.0	RB1#0	-29.31	-13.00	Pass
					RB50#0	-28.83	-13.00	Pass

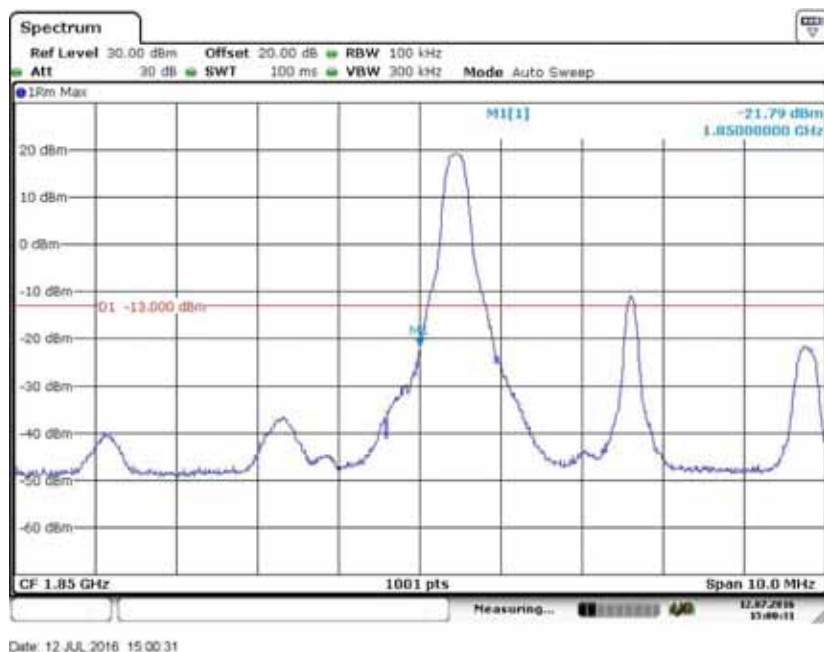
Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Bab13	QPSK	5MHz	23205	779.5	RB1#0	-15.86	-13.00	Pass
					RB25#0	-19.20	-13.00	Pass
	16-QAM	5MHz	23205	779.5	RB1#0	-17.11	-13.00	Pass
					RB25#0	-21.95	-13.00	Pass
	QPSK	5MHz	23255	784.5	RB1#0	-15.97	-13.00	Pass
					RB25#0	-21.04	-13.00	Pass
	16-QAM	5MHz	23255	784.5	RB1#0	-17.06	-13.00	Pass
					RB25#0	-20.79	-13.00	Pass
LTE Bab13	QPSK	10MHz	23230	782.0	RB1#0	-27.88	-13.00	Pass
					RB50#0	-30.67	-13.00	Pass
	16-QAM	10MHz	23230	782.0	RB1#0	-30.60	-13.00	Pass
					RB50#0	-30.29	-13.00	Pass
	QPSK	10MHz	23230	782.0	RB1#0	-27.69	-13.00	Pass
					RB50#0	-28.87	-13.00	Pass
	16-QAM	10MHz	23230	782.0	RB1#0	-26.92	-13.00	Pass
					RB50#0	-31.82	-13.00	Pass

Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd17	QPSK	5MHz	23755	706.5	RB1#0	-15.77	-13.00	Pass
					RB25#0	-19.57	-13.00	Pass
	16-QAM	5MHz	23755	706.5	RB1#0	-16.61	-13.00	Pass
					RB25#0	-20.97	-13.00	Pass
	QPSK	5MHz	23825	713.5	RB1#0	-15.87	-13.00	Pass
					RB25#0	-20.74	-13.00	Pass
	16-QAM	5MHz	23825	713.5	RB1#0	-15.29	-13.00	Pass
					RB25#0	-21.00	-13.00	Pass
LTE Babd17	QPSK	10MHz	23780	709.0	RB1#0	-24.87	-13.00	Pass
					RB50#0	-29.28	-13.00	Pass
	16-QAM	10MHz	23780	709.0	RB1#0	-27.22	-13.00	Pass
					RB50#0	-27.68	-13.00	Pass
	QPSK	10MHz	23800	711.0	RB1#0	-24.68	-13.00	Pass
					RB50#0	-26.61	-13.00	Pass
	16-QAM	10MHz	23800	711.0	RB1#0	-26.15	-13.00	Pass
					RB50#0	-28.20	-13.00	Pass

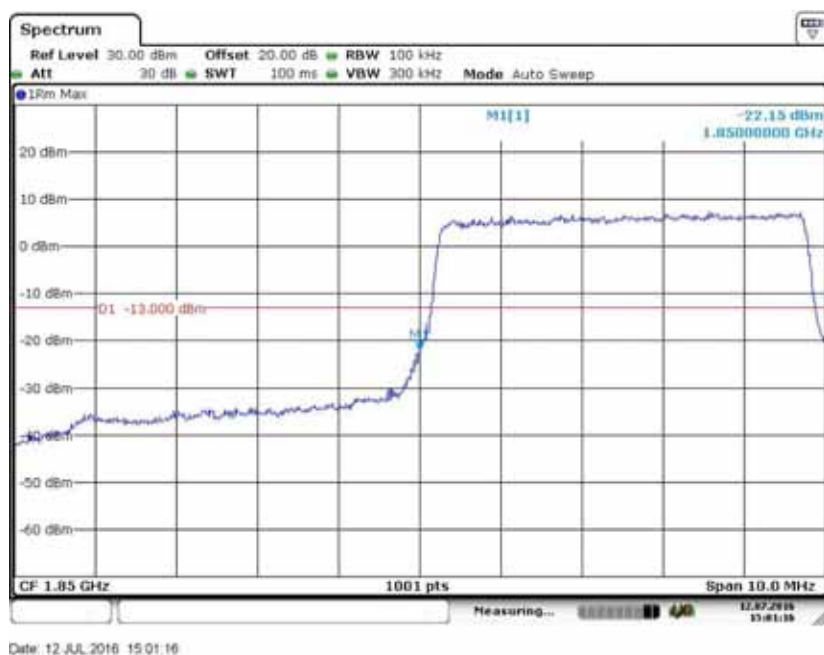
Operation Mode	Modulation	Band Width	Channel Number	Channel Frequency (MHz)	Test RB	Measured [dBm]	Limit (dBm)	Verdict
LTE Babd25	QPSK	5MHz	26065	1852.5	RB1#0	-17.32	-13.00	Pass
					RB25#0	-21.41	-13.00	Pass
	16-QAM	5MHz	26065	1852.5	RB1#0	-15.98	-13.00	Pass
					RB25#0	-23.45	-13.00	Pass
	QPSK	5MHz	26665	1912.5	RB1#0	-14.33	-13.00	Pass
					RB25#0	-20.69	-13.00	Pass
	16-QAM	5MHz	26665	1912.5	RB1#0	-14.38	-13.00	Pass
					RB25#0	-21.88	-13.00	Pass
LTE Babd25	QPSK	10MHz	26090	1855.0	RB1#0	-29.68	-13.00	Pass
					RB50#0	-31.17	-13.00	Pass
	16-QAM	10MHz	26090	1855.0	RB1#0	-30.80	-13.00	Pass
					RB50#0	-33.22	-13.00	Pass
	QPSK	10MHz	26640	1910.0	RB1#0	-23.19	-13.00	Pass
					RB50#0	-27.35	-13.00	Pass
	16-QAM	10MHz	26640	1910.0	RB1#0	-24.52	-13.00	Pass
					RB50#0	-28.48	-13.00	Pass
LTE Babd25	QPSK	15MHz	26115	1857.5	RB1#0	-19.16	-13.00	Pass
					RB75#0	-28.58	-13.00	Pass
	16-QAM	15MHz	26115	1857.5	RB1#0	-19.91	-13.00	Pass
					RB75#0	-31.17	-13.00	Pass
	QPSK	15MHz	26615	1907.5	RB1#0	-17.33	-13.00	Pass
					RB75#0	-25.57	-13.00	Pass
	16-QAM	15MHz	26615	1907.5	RB1#0	-16.81	-13.00	Pass
					RB75#0	-25.01	-13.00	Pass
LTE Babd25	QPSK	20MHz	26140	1860.0	RB1#0	-24.58	-13.00	Pass
					RB100#0	-33.20	-13.00	Pass
	16-QAM	20MHz	26140	1860.0	RB1#0	-23.85	-13.00	Pass
					RB100#0	-33.18	-13.00	Pass
	QPSK	20MHz	26590	1905.0	RB1#0	-20.18	-13.00	Pass
					RB100#0	-24.17	-13.00	Pass
	16-QAM	20MHz	26590	1905.0	RB1#0	-18.49	-13.00	Pass
					RB100#0	-25.50	-13.00	Pass

Test plots as follow:

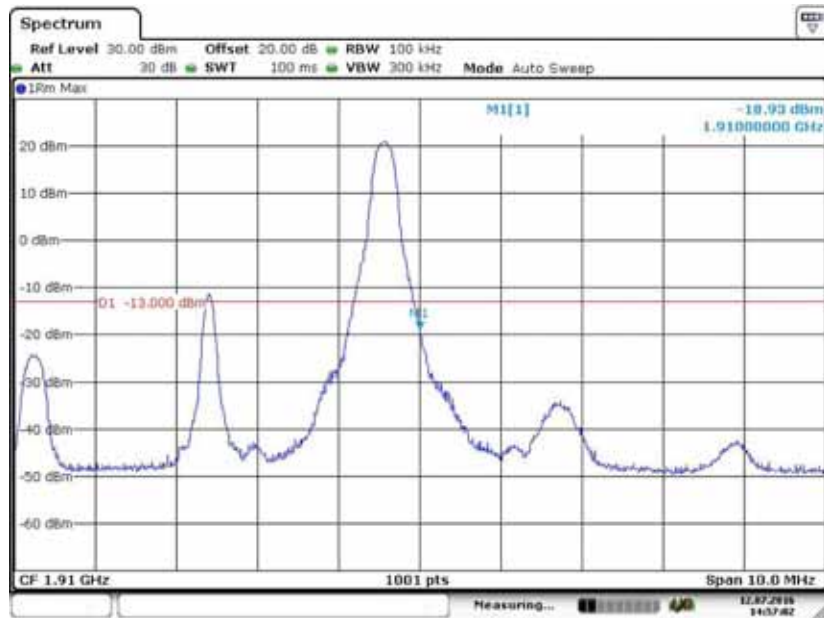
BAND EDGE EMISSION				
Test Model	LTE Babd2	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	18625	Frequency(MHz)	1852.5



BAND EDGE EMISSION				
Test Model	LTE Babd2	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	18625	Frequency(MHz)	1852.5



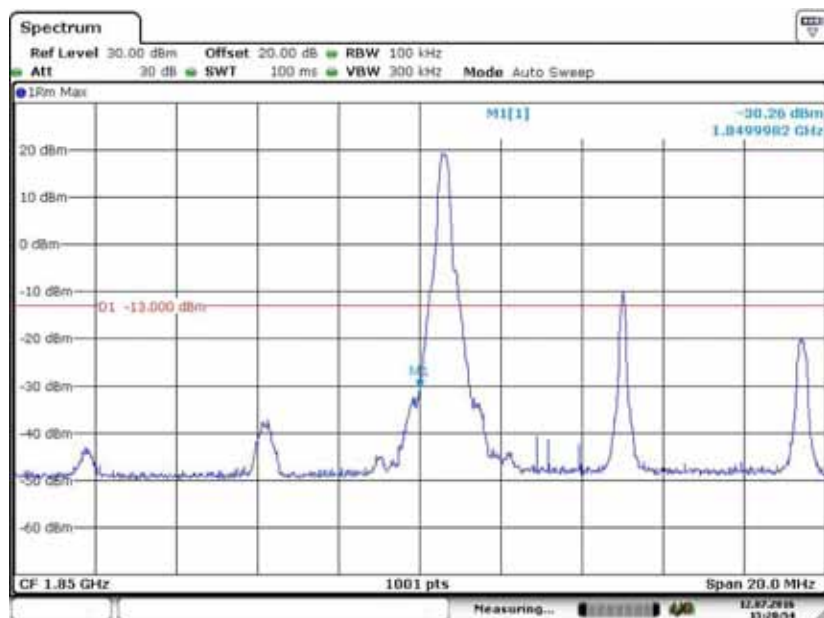
Test Model	BAND EDGE EMISSION			
	LTE Babb2	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	19175	Frequency(MHz)	1907.5



Test Model	BAND EDGE EMISSION			
	LTE Babb2	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	19175	Frequency(MHz)	1907.5

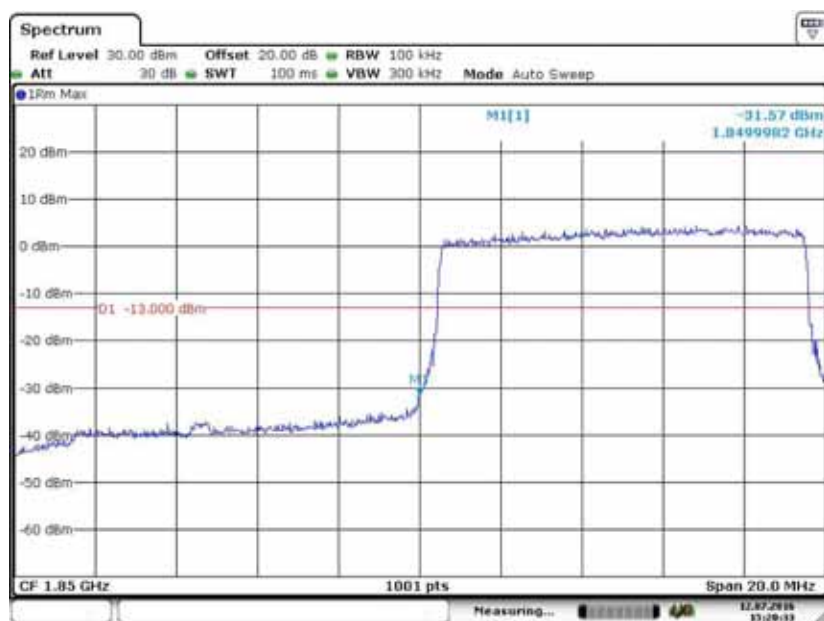


BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	18650	Frequency(MHz)	1855.0



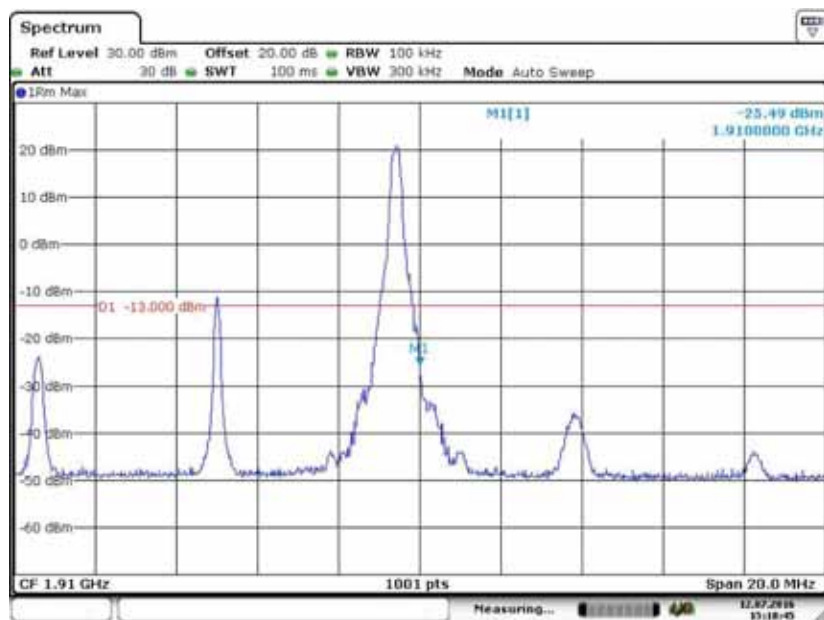
Date: 12 JUL 2016 15:20:54

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	18650	Frequency(MHz)	1855.0



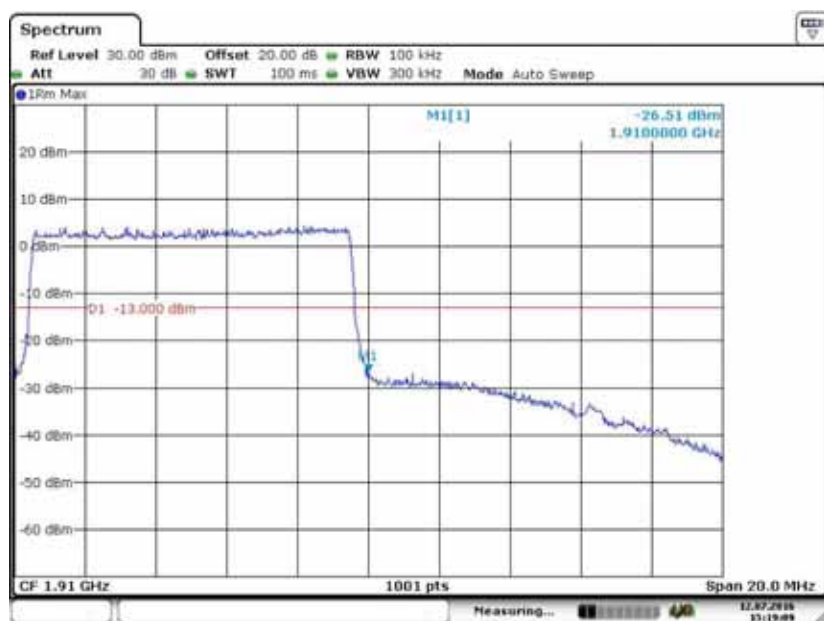
Date: 12 JUL 2016 15:20:33

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	19150	Frequency(MHz)	1905.0



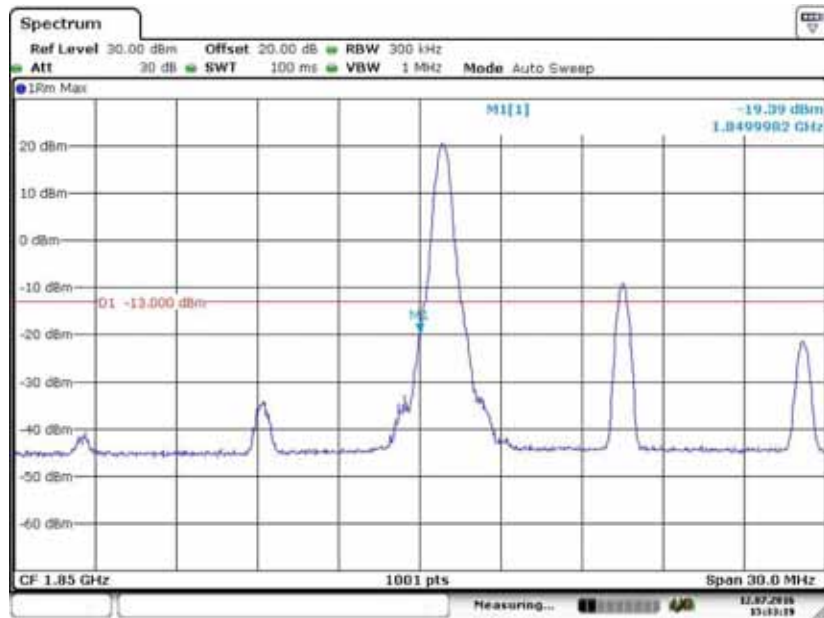
Date: 12 JUL 2016 15:18:46

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	19150	Frequency(MHz)	1905.0



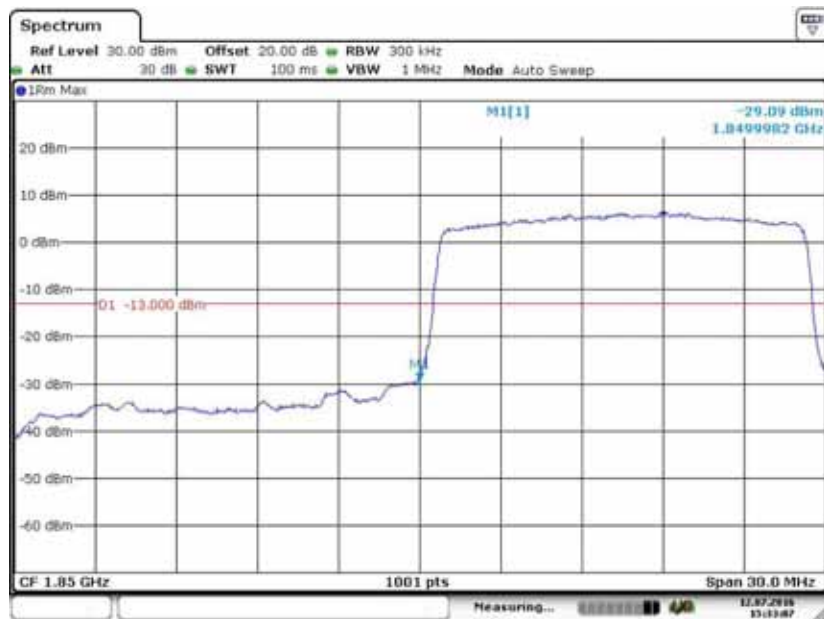
Date: 12 JUL 2016 15:19:09

Test Model	BAND EDGE EMISSION			
	LTE Babb2	QPSK Modulation		
	Band Width	15MHz	Test RB	RB1#0
	Test Channel	18675	Frequency(MHz)	1857.5



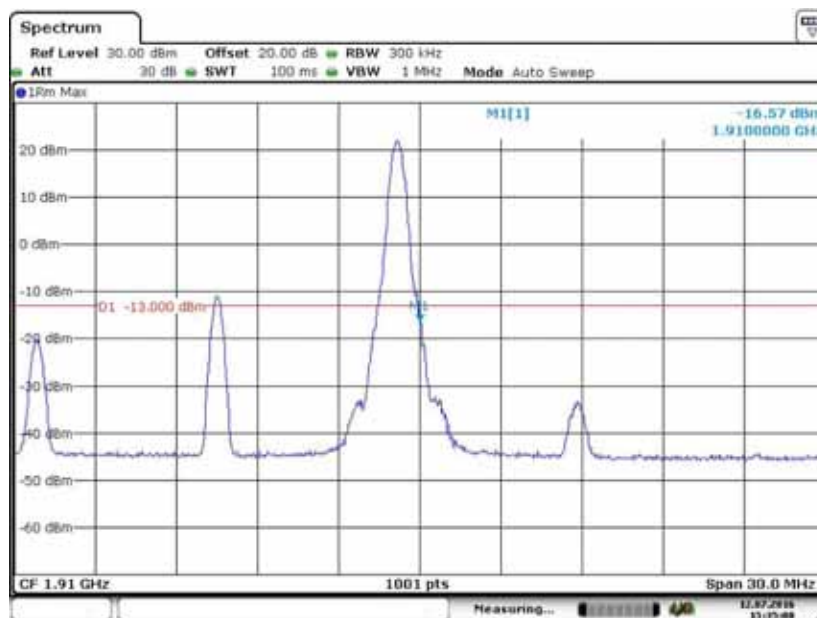
Date: 12 JUL 2016 15:33:20

Test Model	BAND EDGE EMISSION			
	LTE Babb2	QPSK Modulation		
	Band Width	15MHz	Test RB	RB75#0
	Test Channel	18675	Frequency(MHz)	1857.5



Date: 12 JUL 2016 15:33:07

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	15MHz	Test RB	RB1#0
	Test Channel	19125	Frequency(MHz)	1902.5



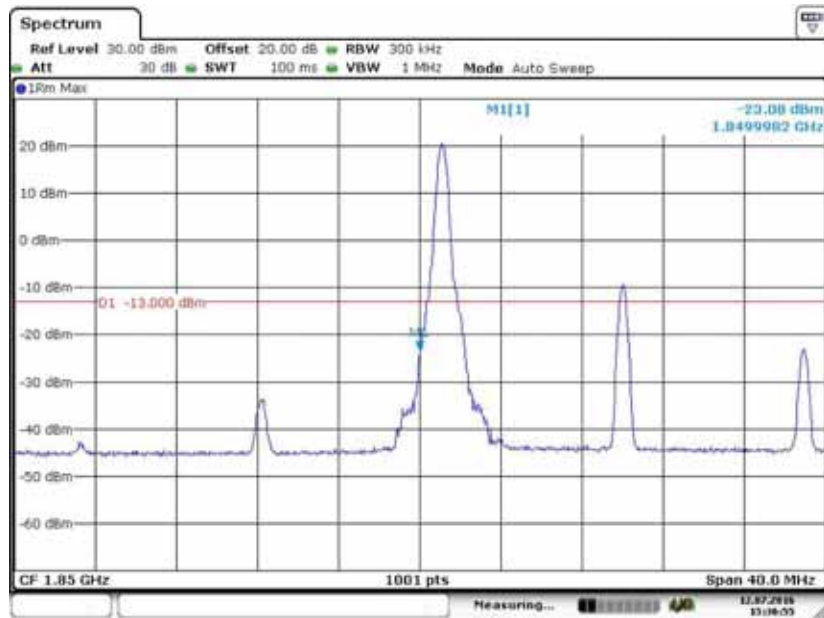
Date: 12 JUL 2016 15:35:08

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	15MHz	Test RB	RB75#0
	Test Channel	19125	Frequency(MHz)	1902.5



Date: 12 JUL 2016 15:34:43

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	20MHz	Test RB	RB1#0
	Test Channel	18700	Frequency(MHz)	1860.0



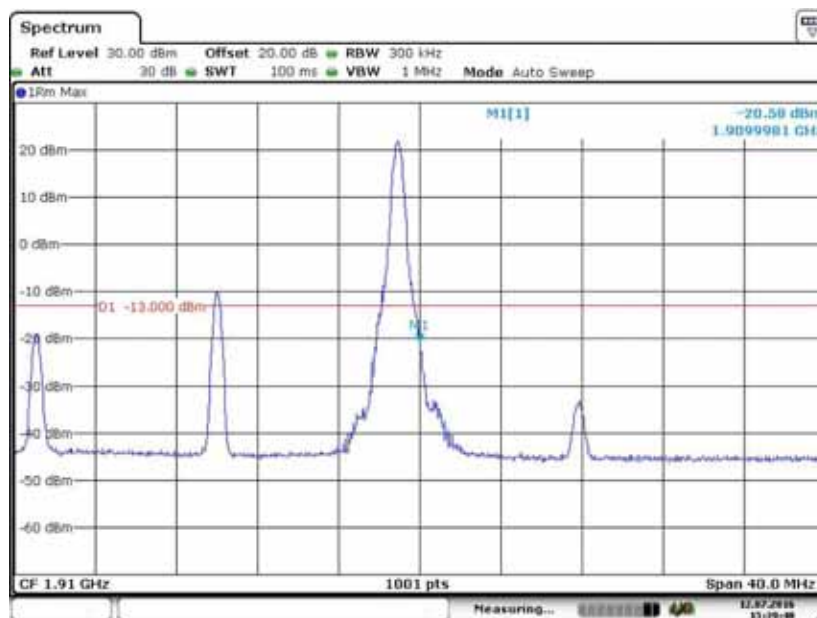
Date: 12 JUL 2016 15:36:54

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	20MHz	Test RB	RB100#0
	Test Channel	18700	Frequency(MHz)	1860.0



Date: 12 JUL 2016 15:36:36

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	20MHz	Test RB	RB1#0
	Test Channel	19100	Frequency(MHz)	1900.0



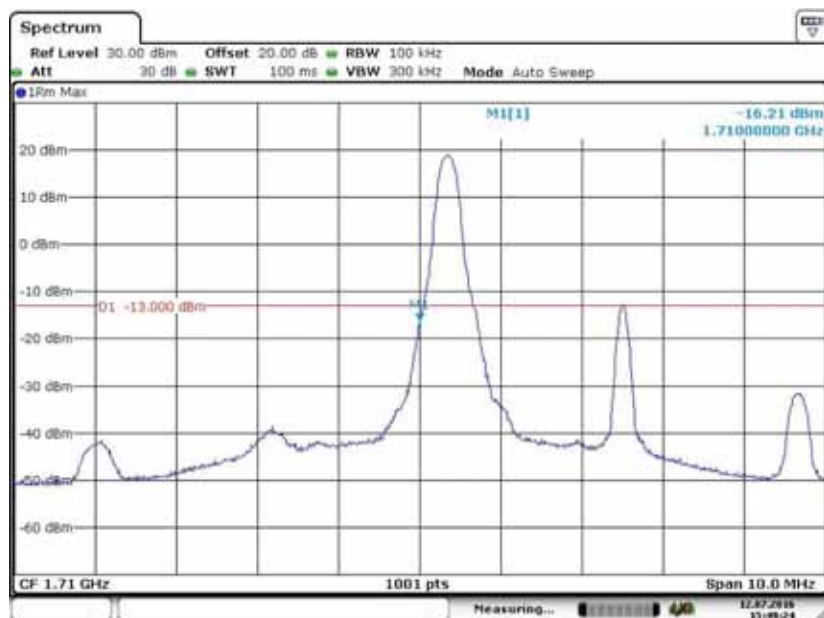
Date: 12 JUL 2016 15:39:40

BAND EDGE EMISSION				
Test Model	LTE Babb2	QPSK Modulation		
	Band Width	20MHz	Test RB	RB100#0
	Test Channel	19100	Frequency(MHz)	1900.0



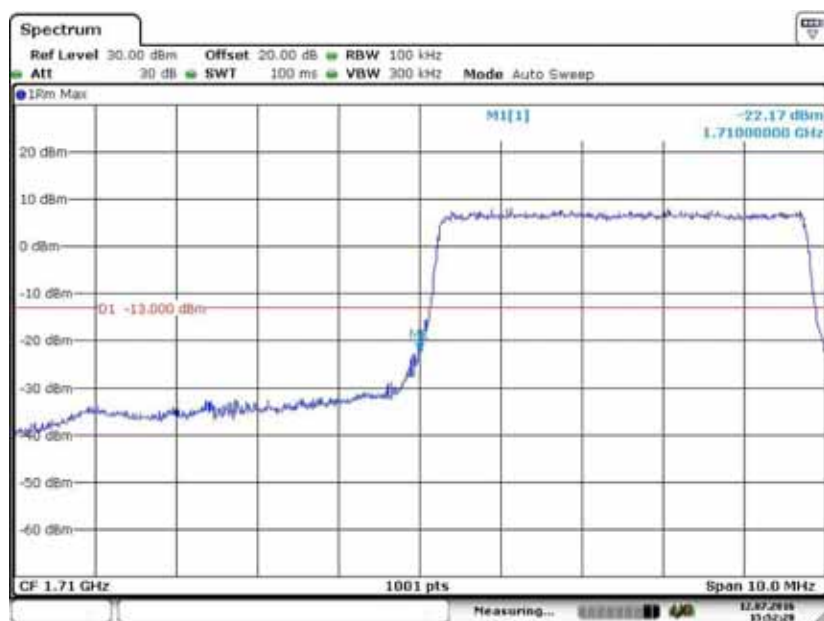
Date: 12 JUL 2016 15:39:27

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	19975	Frequency(MHz)	1712.5



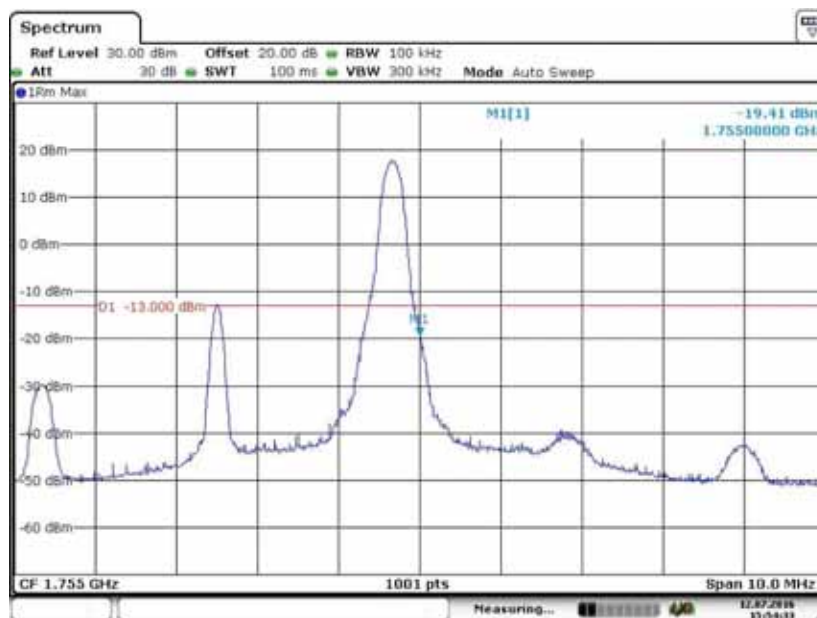
Date: 12 JUL 2016 15:48:24

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	19975	Frequency(MHz)	1712.5



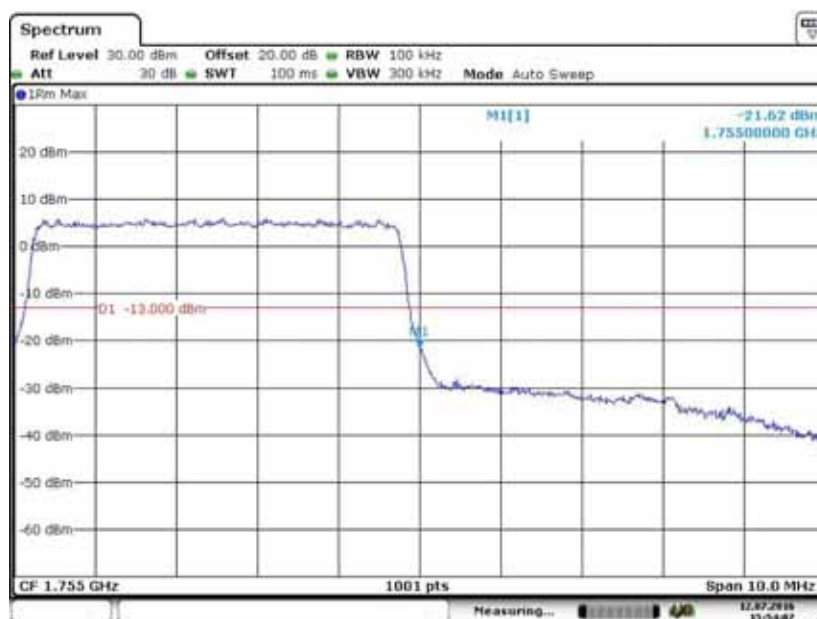
Date: 12 JUL 2016 15:52:28

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	20375	Frequency(MHz)	1752.5



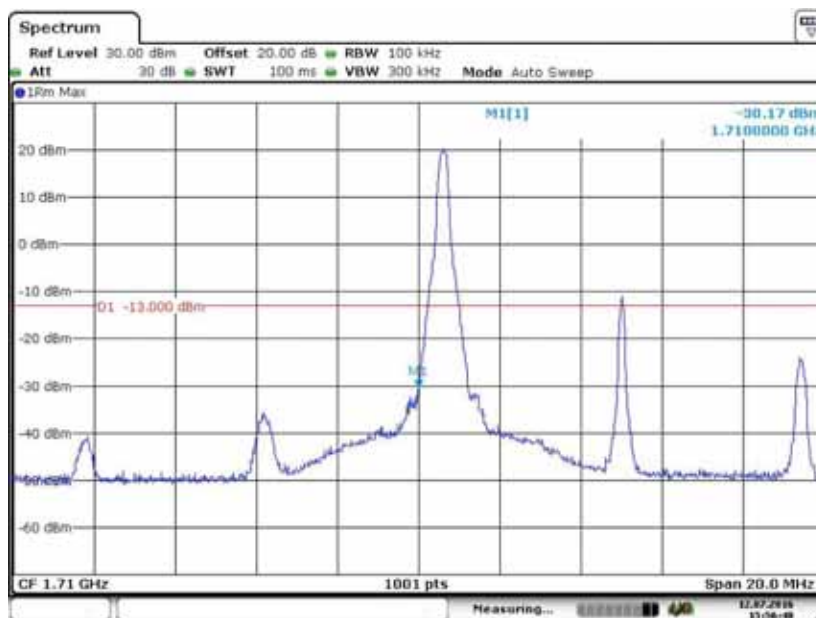
Date: 12 JUL 2016 15:54:33

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	20375	Frequency(MHz)	1752.5



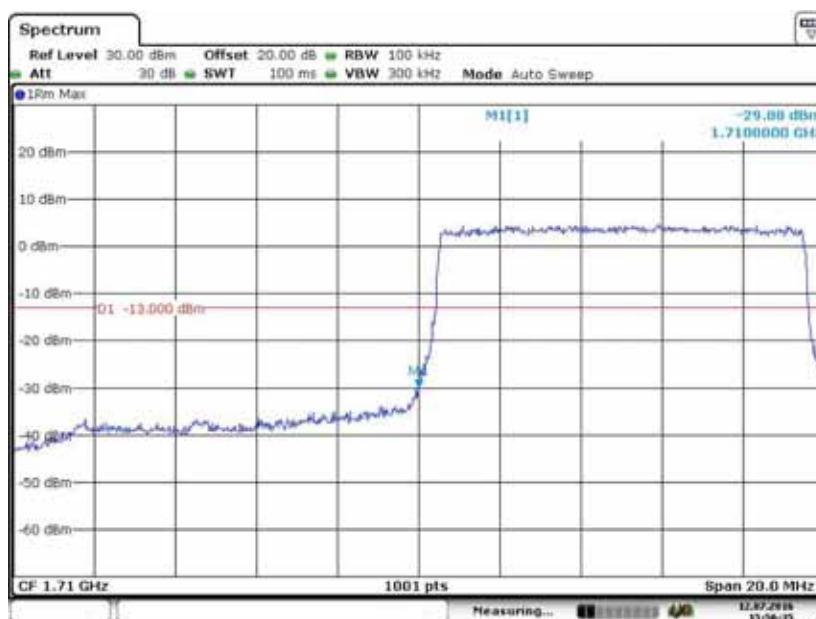
Date: 12 JUL 2016 15:54:07

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	20000	Frequency(MHz)	1715.0



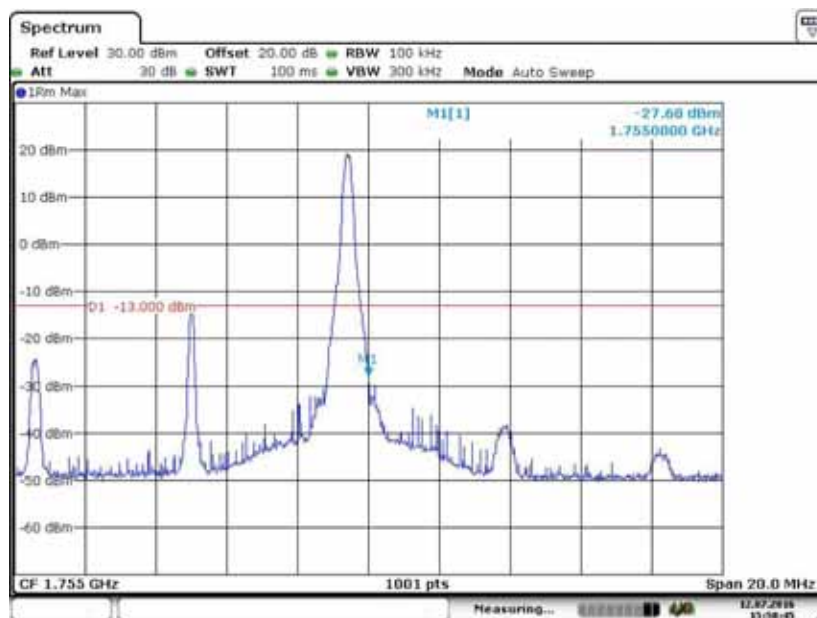
Date: 12 JUL 2016 15:56:47

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	20000	Frequency(MHz)	1715.0



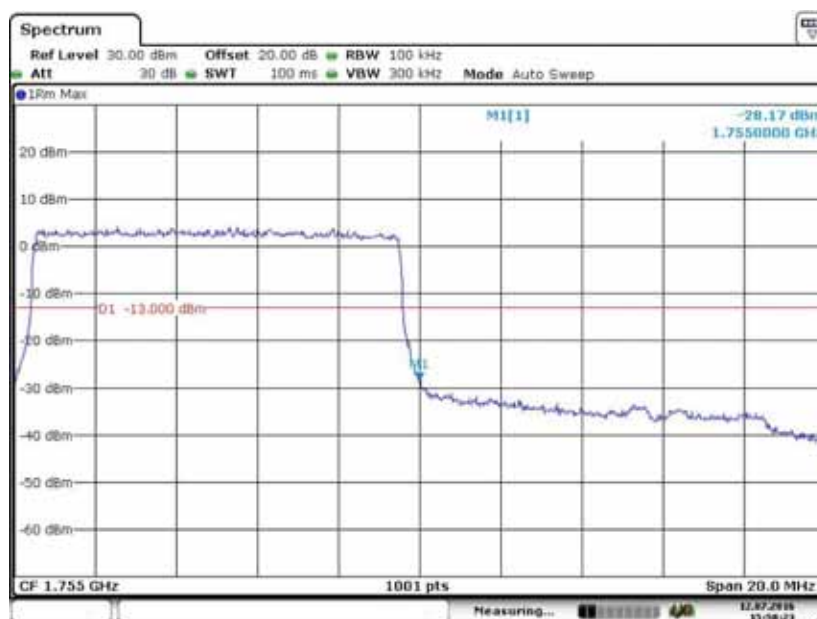
Date: 12 JUL 2016 15:56:35

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	20350	Frequency(MHz)	1750.0



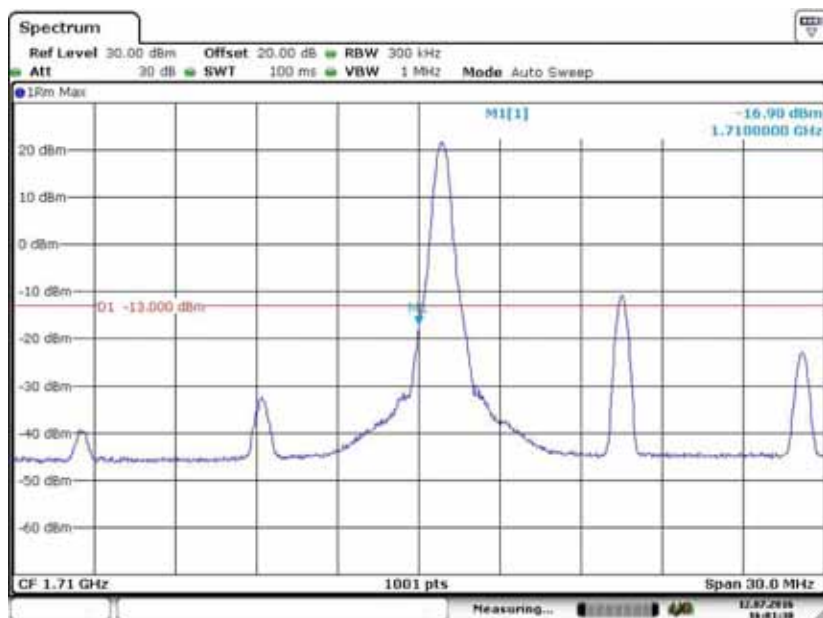
Date: 12 JUL 2016 15:58:45

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	20350	Frequency(MHz)	1750.0



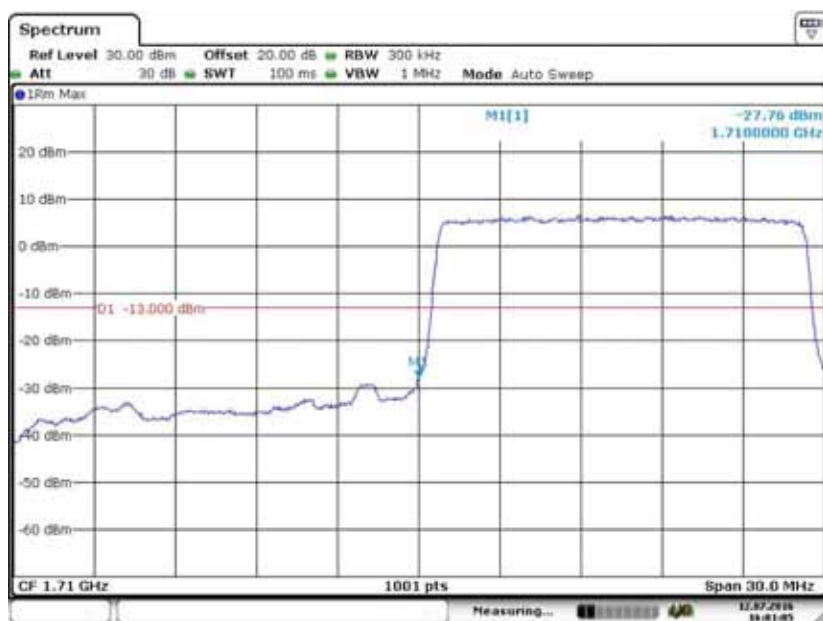
Date: 12 JUL 2016 15:58:23

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation	Test RB Frequency(MHz)	RB1#0
	Band Width	15MHz		
	Test Channel	20025		1717.5



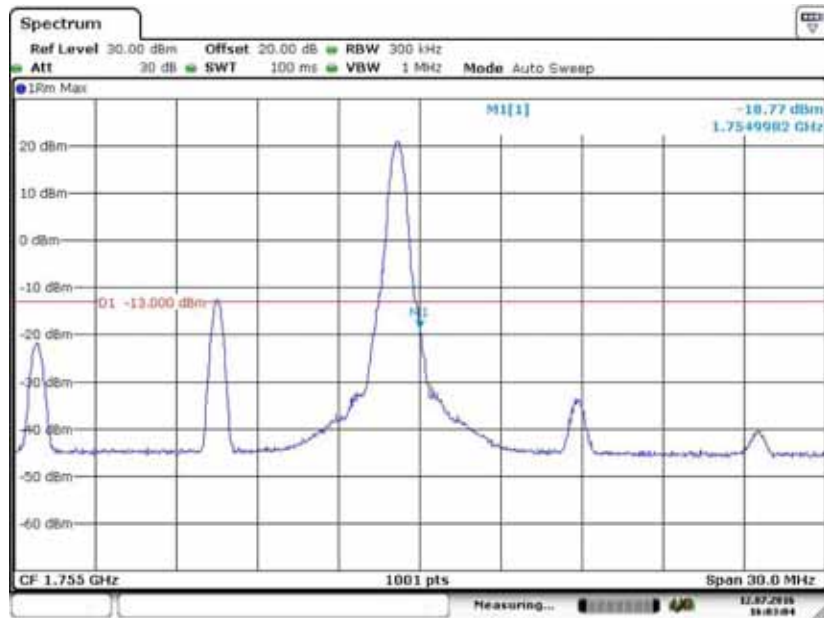
Date: 12 JUL 2016 16:01:30

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation	Test RB Frequency(MHz)	RB75#0
	Band Width	15MHz		
	Test Channel	20025		1717.5



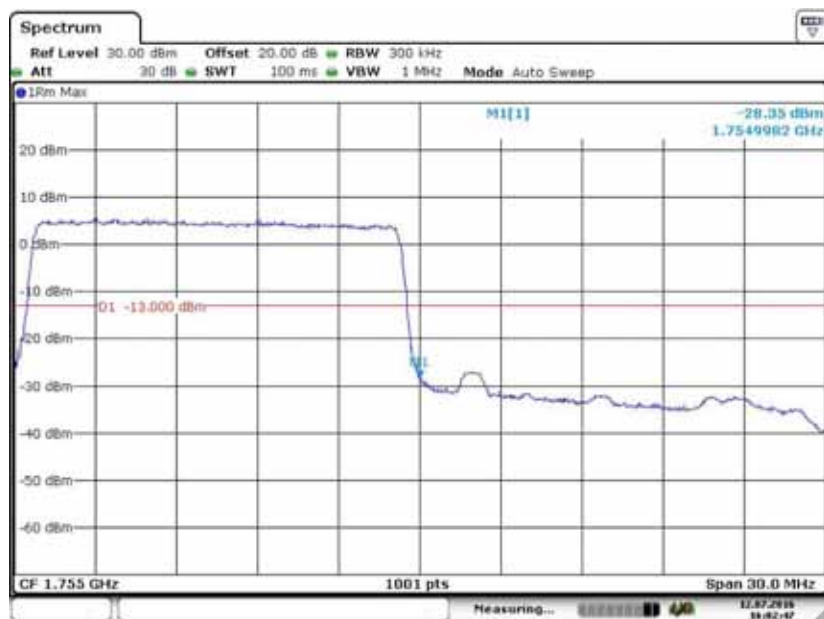
Date: 12 JUL 2016 16:01:06

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	15MHz	Test RB	RB1#0
	Test Channel	20325	Frequency(MHz)	1747.5



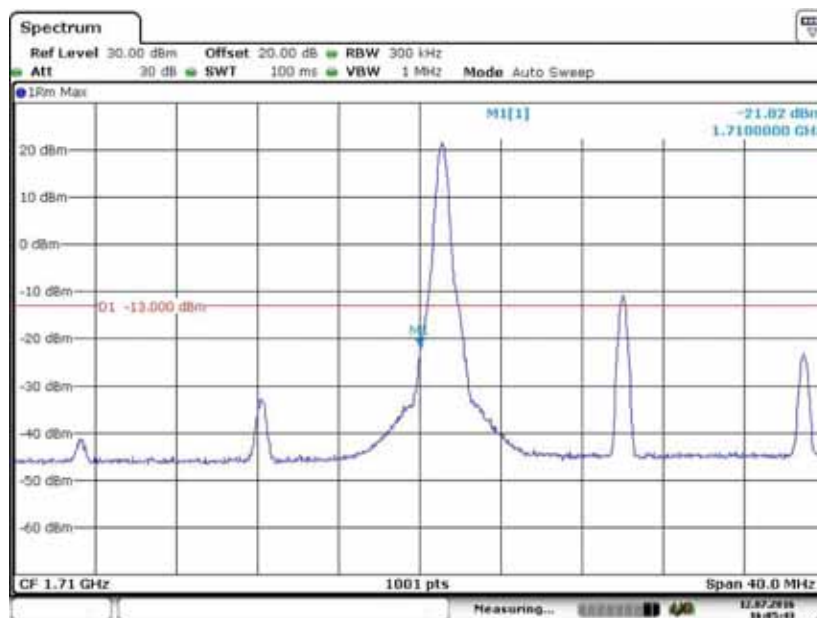
Date: 12 JUL 2016 16:03:05

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	15MHz	Test RB	RB75#0
	Test Channel	20325	Frequency(MHz)	1747.5



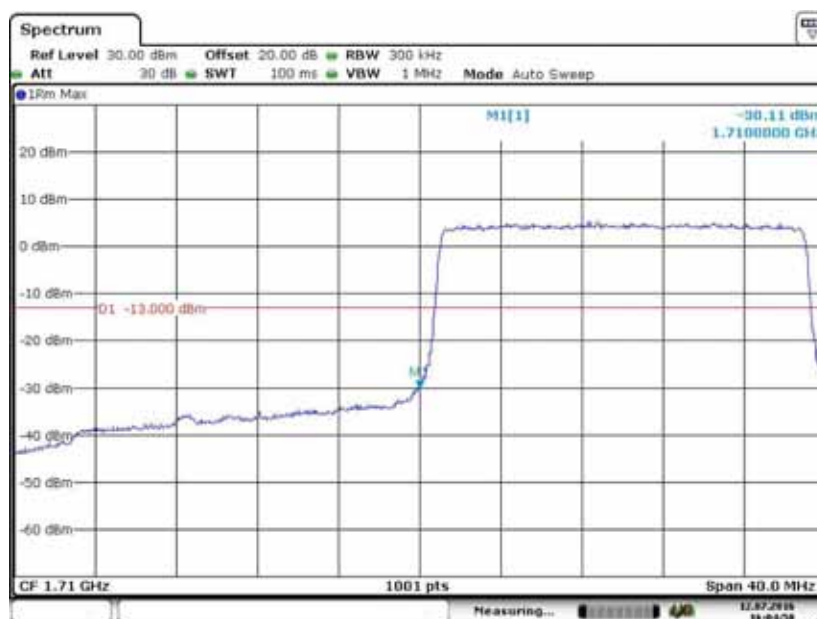
Date: 12 JUL 2016 16:02:46

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	20MHz	Test RB	RB1#0
	Test Channel	20050	Frequency(MHz)	1720.0



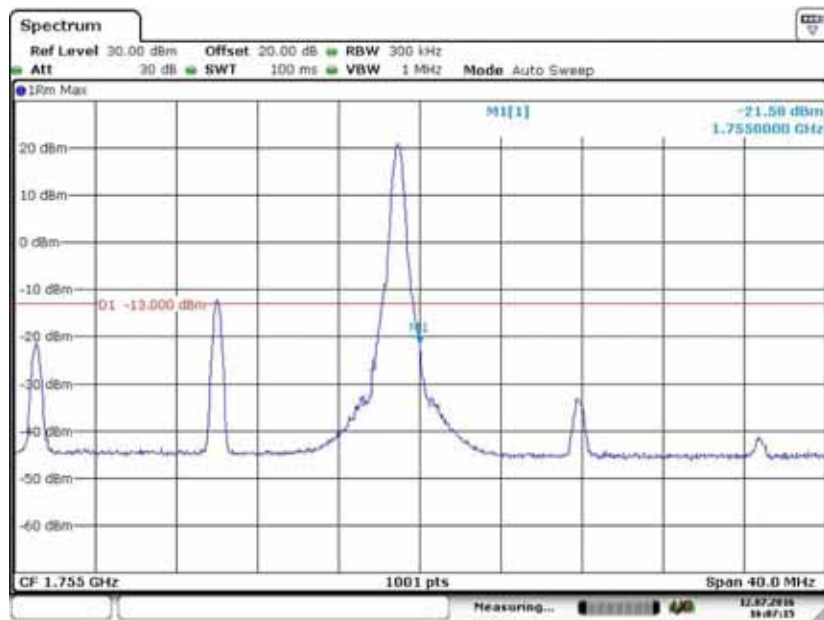
Date: 12 JUL 2016 16:05:43

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	20MHz	Test RB	RB100#0
	Test Channel	20050	Frequency(MHz)	1720.0



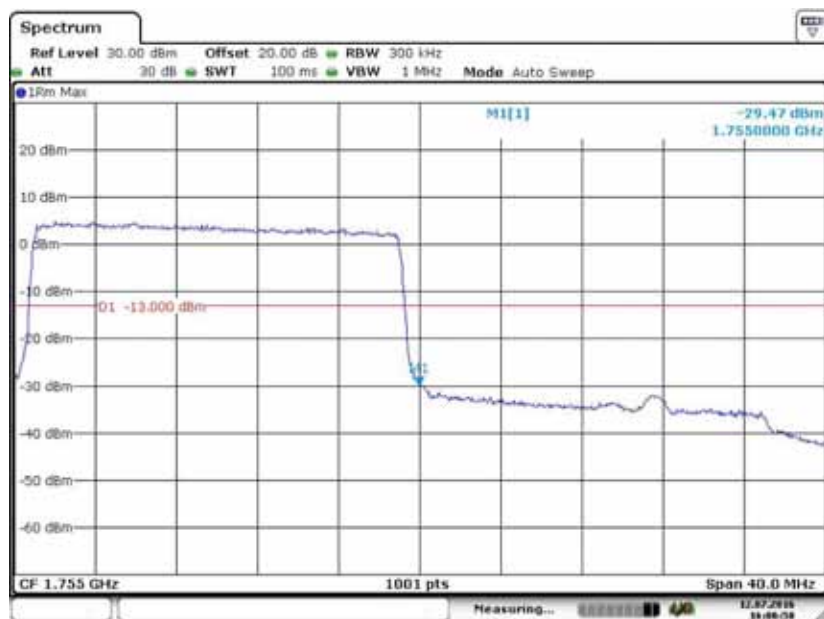
Date: 12 JUL 2016 16:04:58

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	20MHz	Test RB	RB1#0
	Test Channel	20300	Frequency(MHz)	1745.0



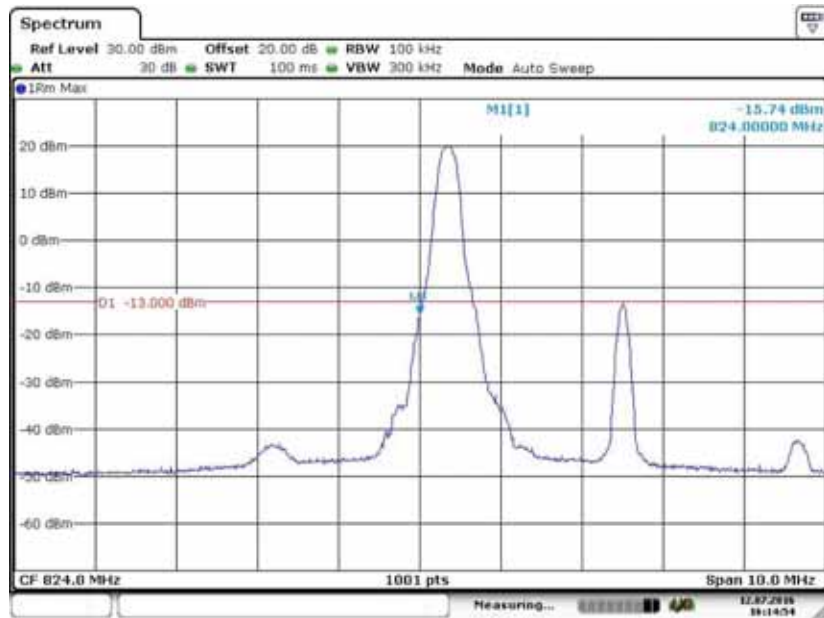
Date: 12 JUL 2016 16:07:15

Test Model	BAND EDGE EMISSION			
	LTE Babb4	QPSK Modulation		
	Band Width	20MHz	Test RB	RB100#0
	Test Channel	20300	Frequency(MHz)	1745.0



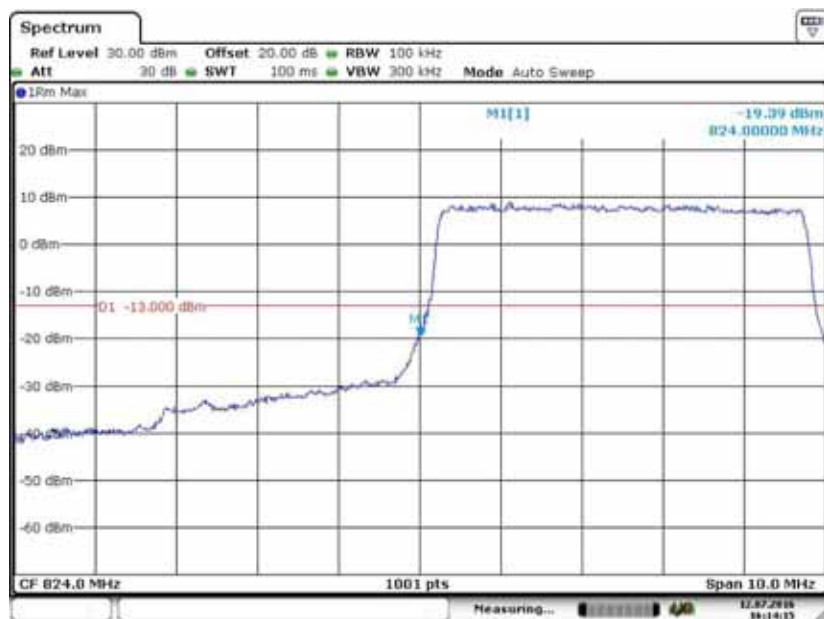
Date: 12 JUL 2016 16:06:58

BAND EDGE EMISSION				
Test Model	LTE Babb5	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	20425	Frequency(MHz)	826.5



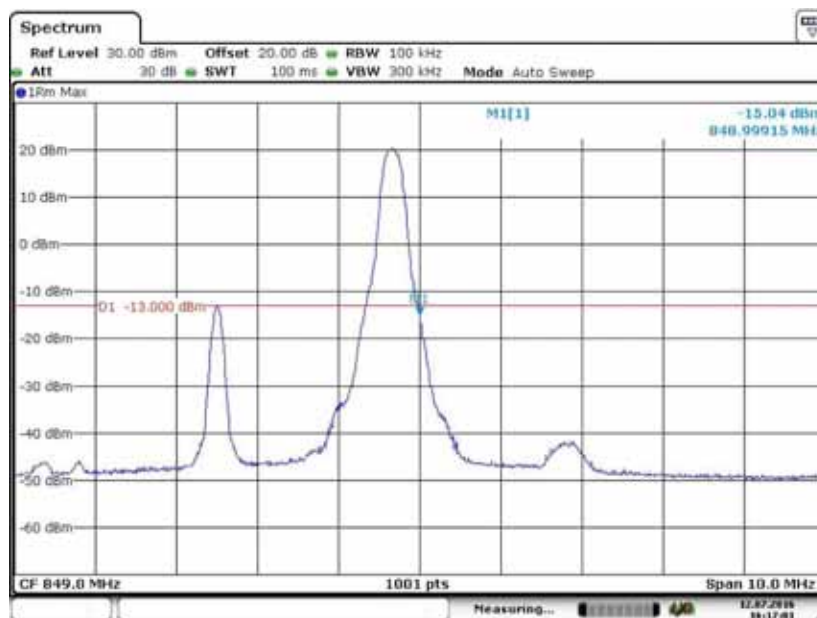
Date: 12 JUL 2016 16:14:54

BAND EDGE EMISSION				
Test Model	LTE Babb5	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	20425	Frequency(MHz)	826.5



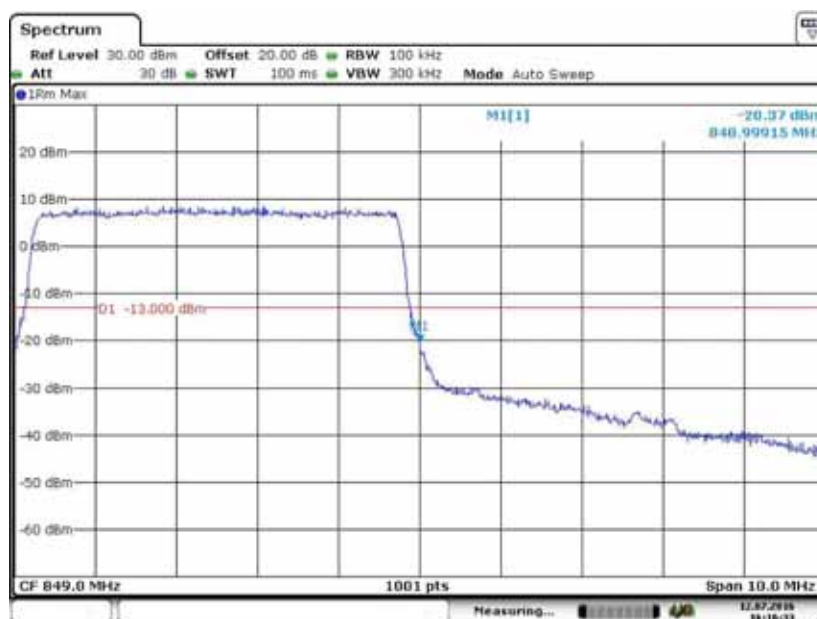
Date: 12 JUL 2016 16:14:15

Test Model	BAND EDGE EMISSION			
	LTE Babb5	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	20625	Frequency(MHz)	846.5



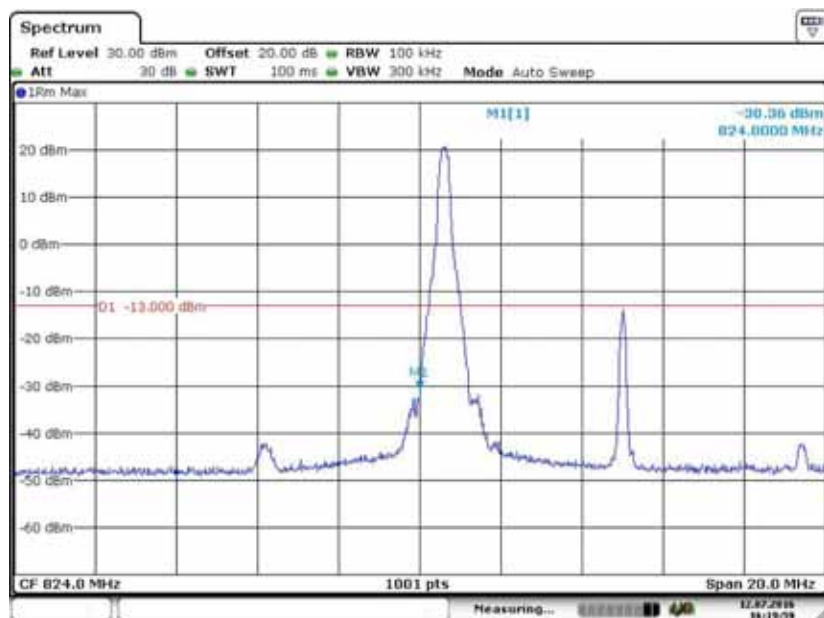
Date: 12 JUL 2016 16:17:00

Test Model	BAND EDGE EMISSION			
	LTE Babb5	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	20625	Frequency(MHz)	846.5



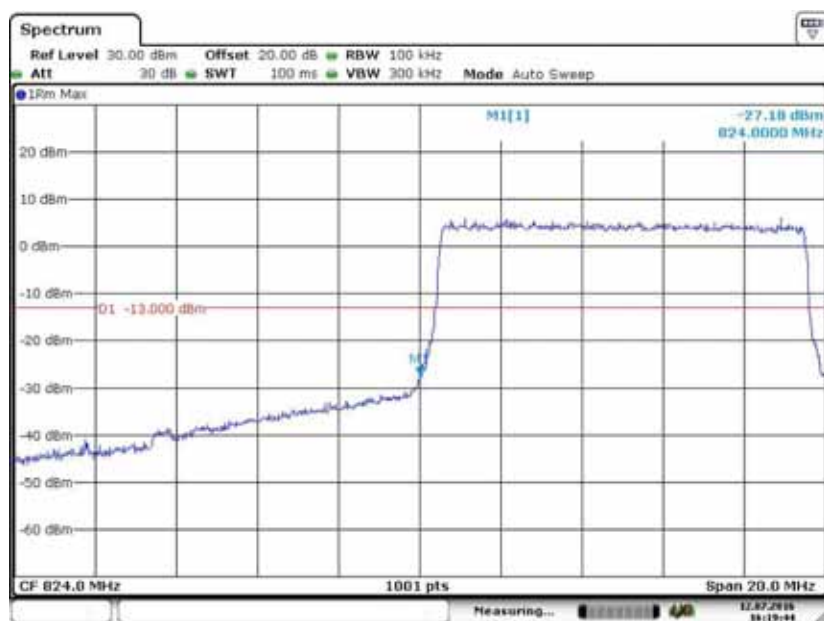
Date: 12 JUL 2016 16:16:33

Test Model	BAND EDGE EMISSION			
	LTE Babb5	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	20450	Frequency(MHz)	829.0



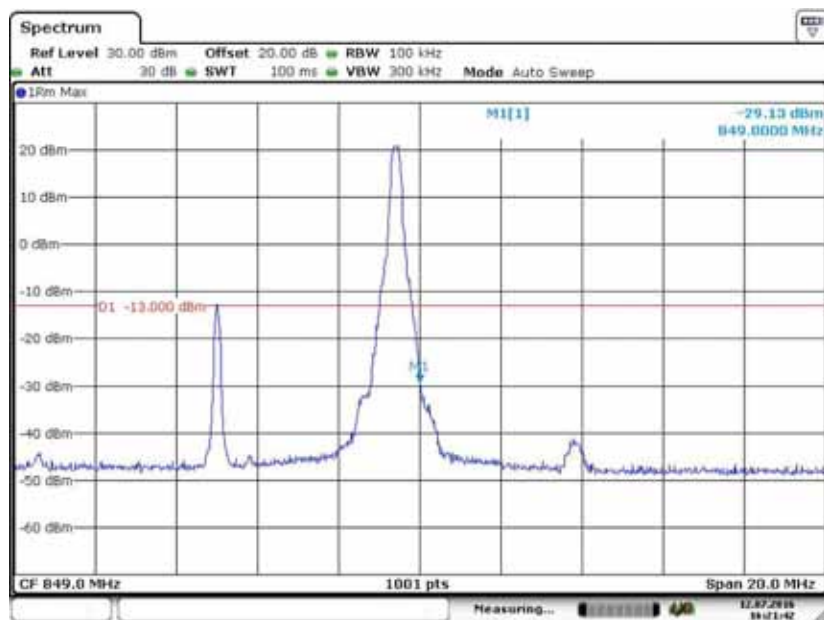
Date: 12 JUL 2016 16:19:59

Test Model	BAND EDGE EMISSION			
	LTE Babb5	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	20450	Frequency(MHz)	829.0



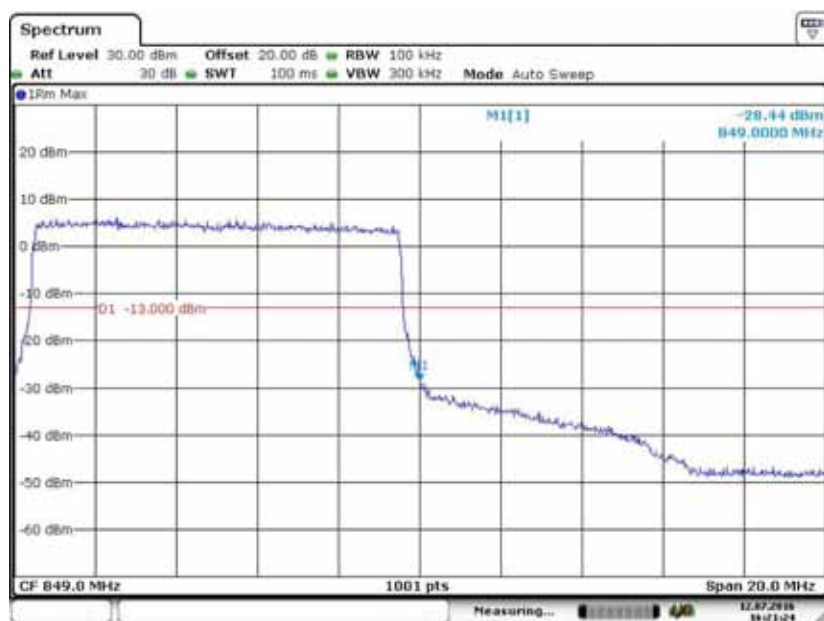
Date: 12 JUL 2016 16:19:44

BAND EDGE EMISSION				
Test Model	LTE Babb5	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	20600	Frequency(MHz)	844.0



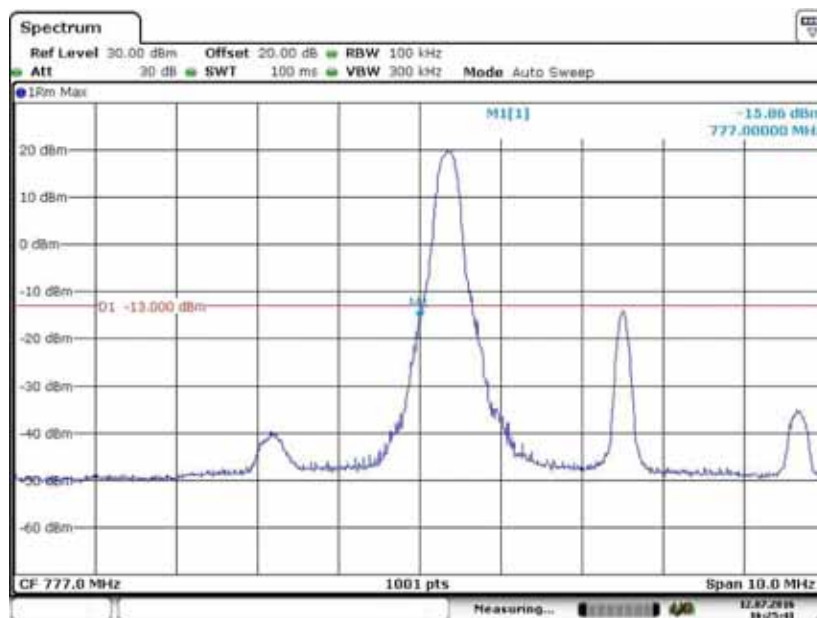
Date: 12 JUL 2016 16:21:42

BAND EDGE EMISSION				
Test Model	LTE Babb5	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	20600	Frequency(MHz)	844.0



Date: 12 JUL 2016 16:21:24

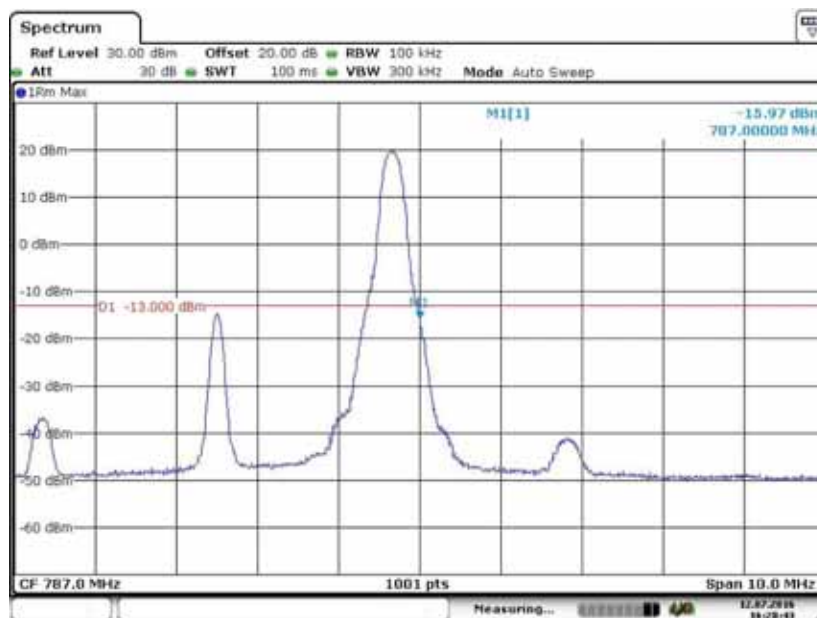
BAND EDGE EMISSION				
Test Model	LTE Babb13	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	23205	Frequency(MHz)	779.5



BAND EDGE EMISSION				
Test Model	LTE Babb13	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	23205	Frequency(MHz)	779.5



BAND EDGE EMISSION				
Test Model	LTE Babb13	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	23255	Frequency(MHz)	784.5



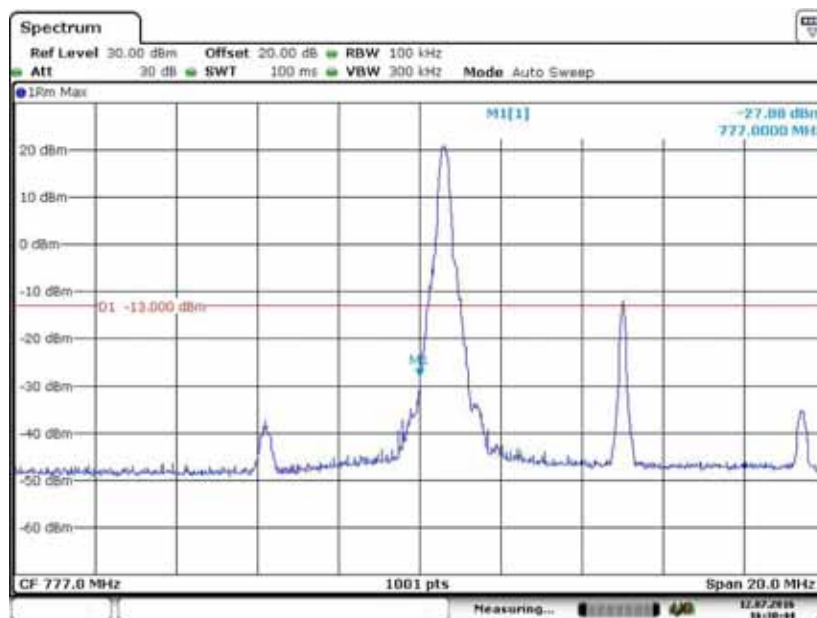
Date: 12 JUL 2016 16:28:44

BAND EDGE EMISSION				
Test Model	LTE Babb13	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	23255	Frequency(MHz)	784.5



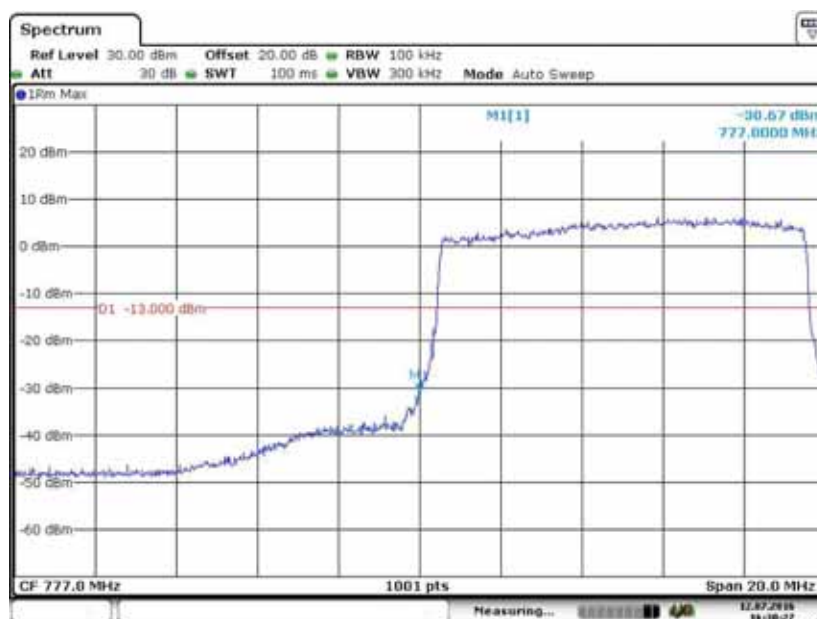
Date: 12 JUL 2016 16:28:21

BAND EDGE EMISSION				
Test Model	LTE Babb13	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	23230	Frequency(MHz)	782.0



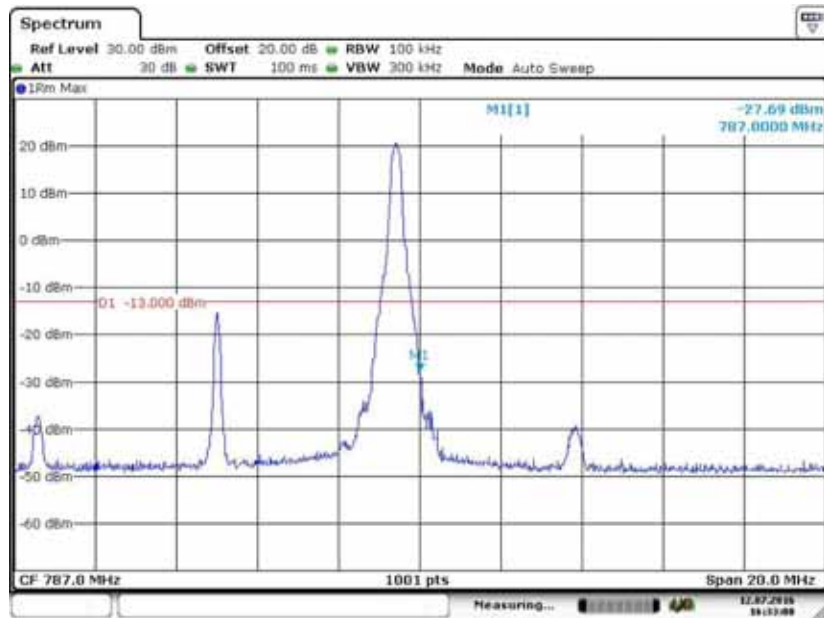
Date: 12 JUL 2016 16:30:44

BAND EDGE EMISSION				
Test Model	LTE Babb13	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	23230	Frequency(MHz)	782.0



Date: 12 JUL 2016 16:30:27

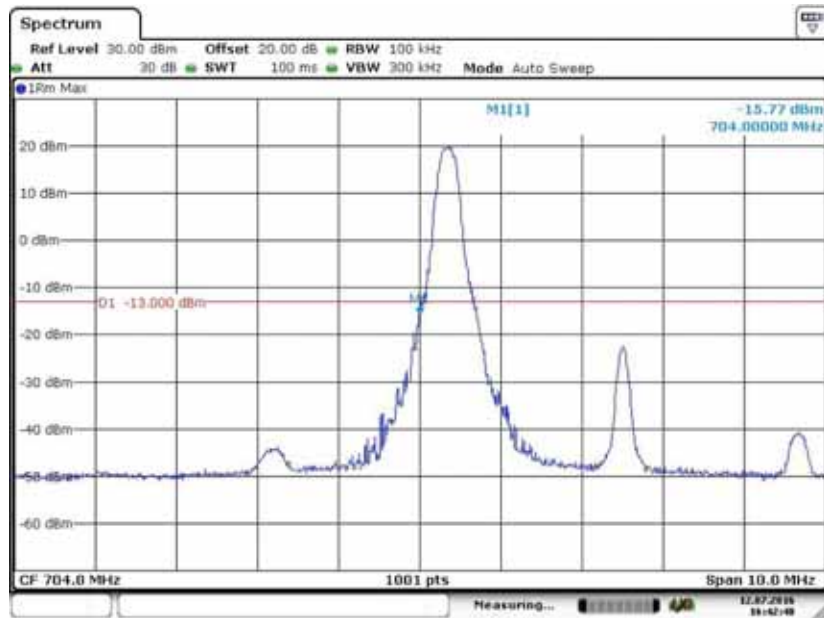
Test Model	BAND EDGE EMISSION			
	LTE Babb13	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	23230	Frequency(MHz)	782.0



Test Model	BAND EDGE EMISSION			
	LTE Babb13	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	23230	Frequency(MHz)	782.0

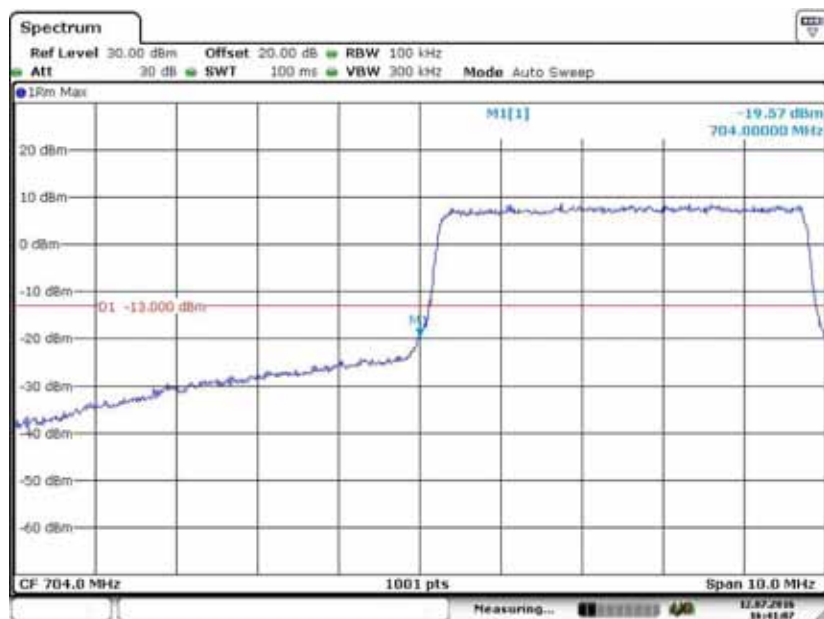


Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	23755	Frequency(MHz)	706.5



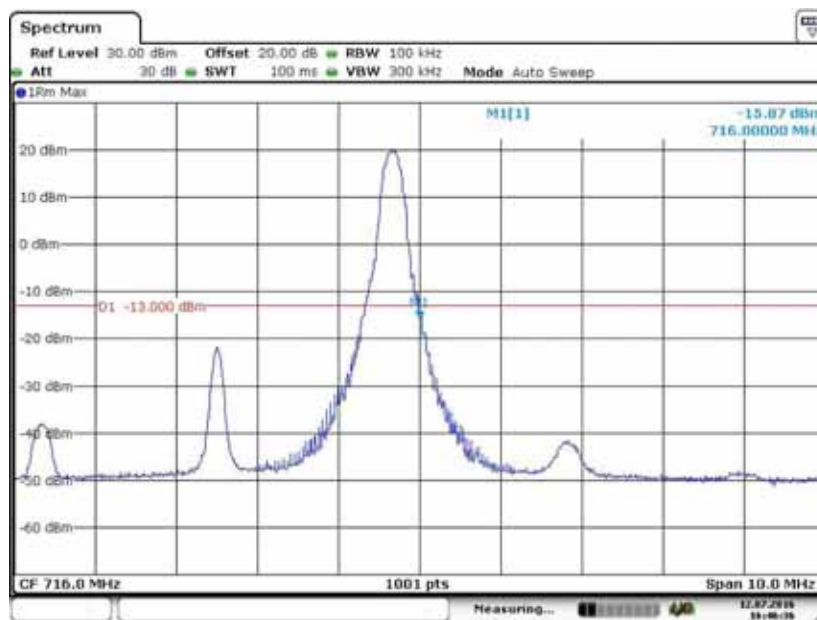
Date: 12 JUL 2016 16:42:48

Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	23755	Frequency(MHz)	706.5

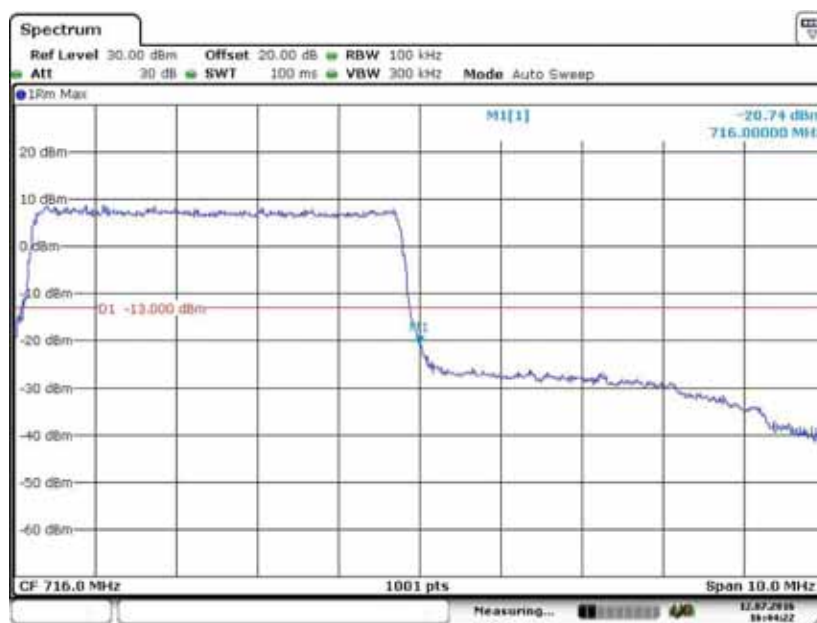


Date: 12 JUL 2016 16:41:07

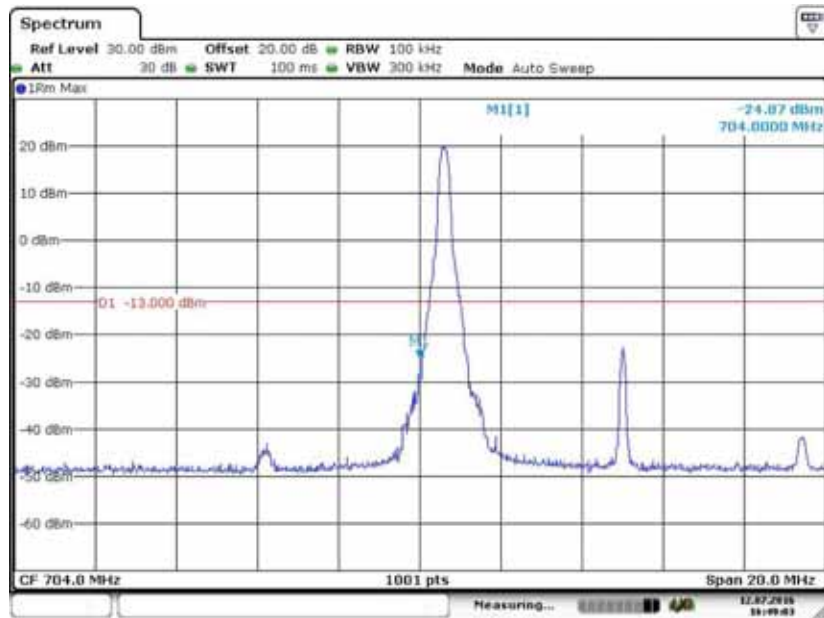
Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	23825	Frequency(MHz)	713.5



Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	23825	Frequency(MHz)	713.5

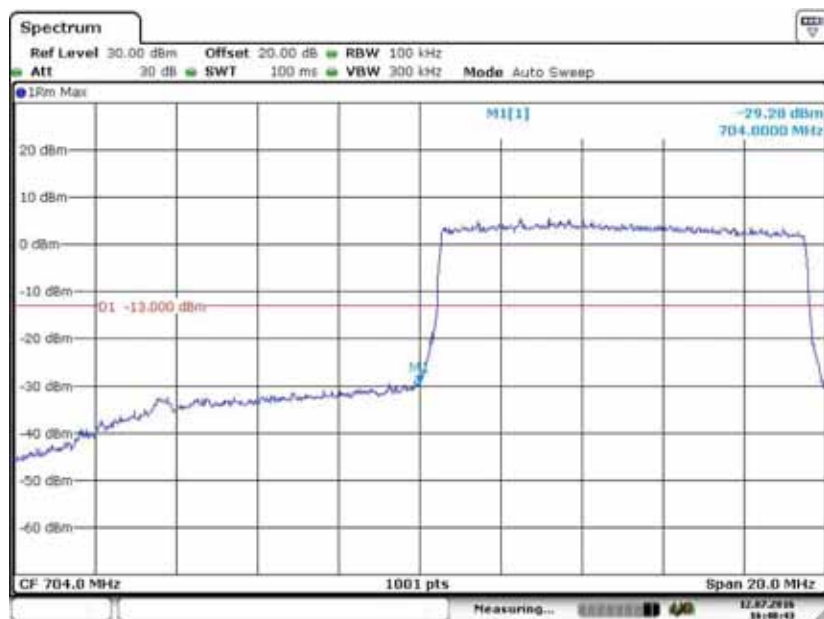


Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	23780	Frequency(MHz)	709.0



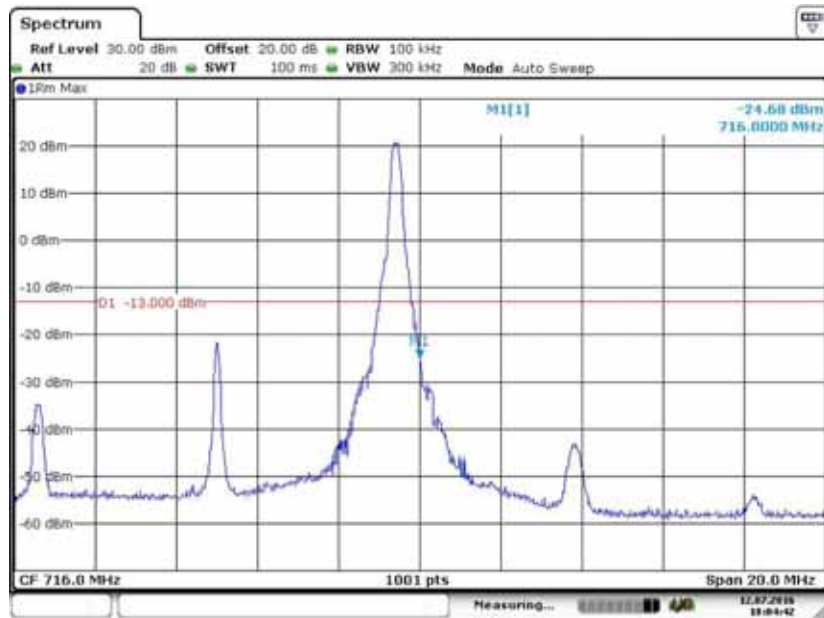
Date: 12 JUL 2016 16:48:03

Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	23780	Frequency(MHz)	709.0



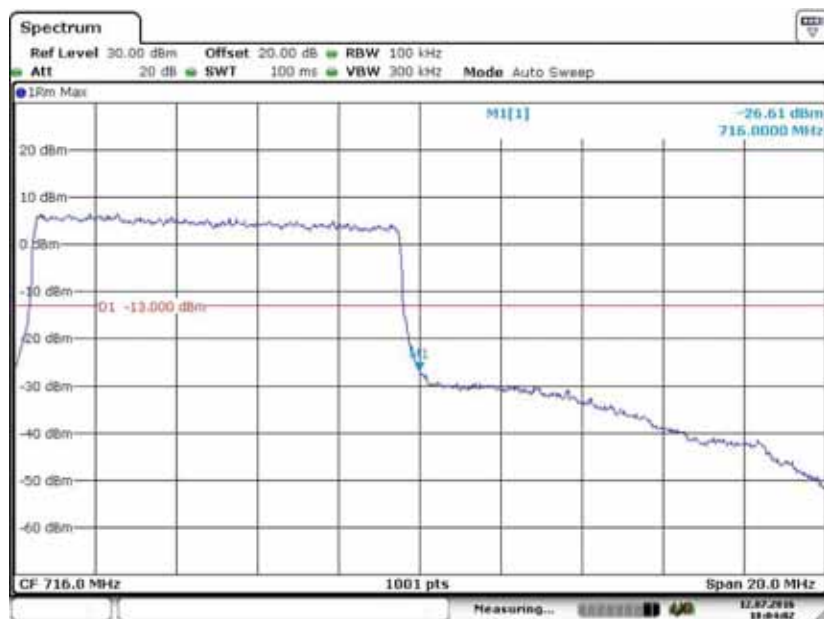
Date: 12 JUL 2016 16:48:43

Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	23800	Frequency(MHz)	711.0



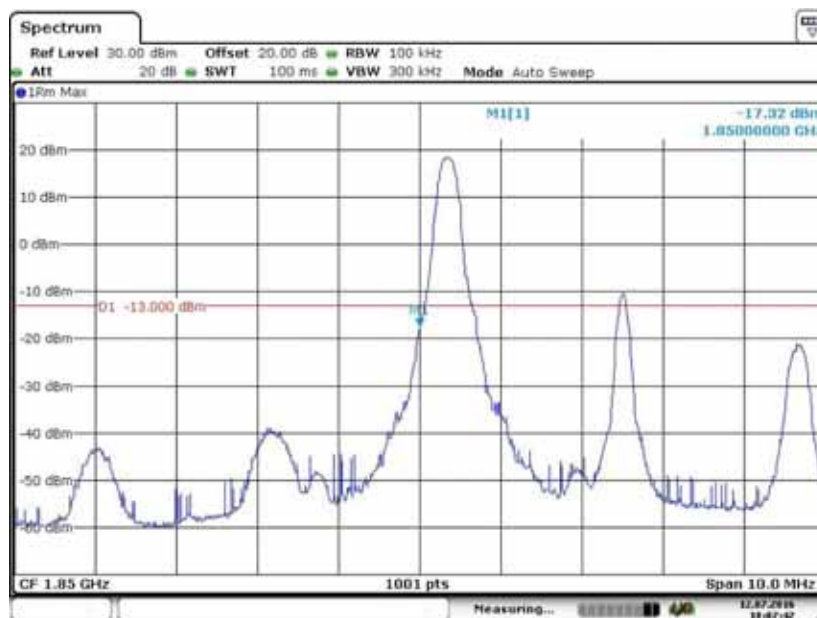
Date: 12 JUL 2016 18:04:42

Test Model	BAND EDGE EMISSION			
	LTE Babb17	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	23800	Frequency(MHz)	711.0



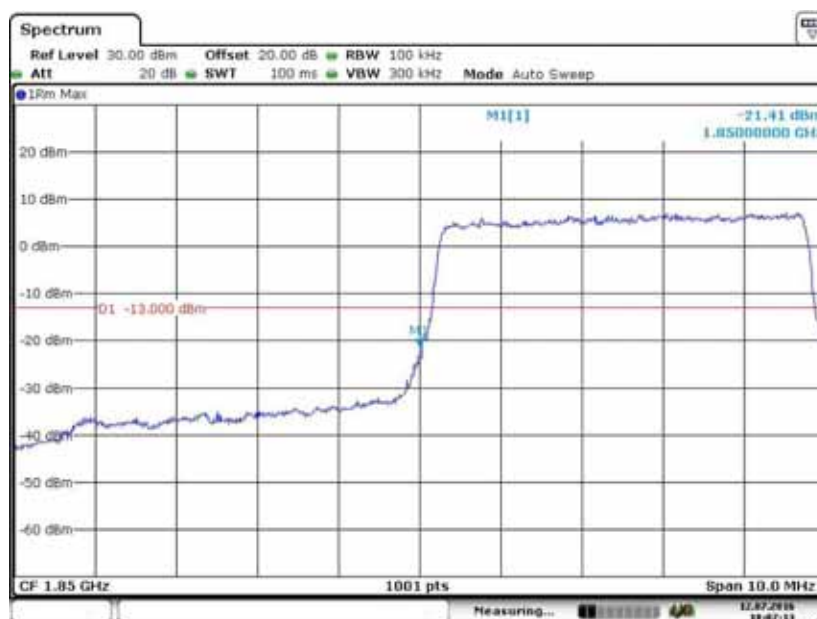
Date: 12 JUL 2016 18:04:02

Test Model	BAND EDGE EMISSION			
	LTE Babb25	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	26065	Frequency(MHz)	1852.5



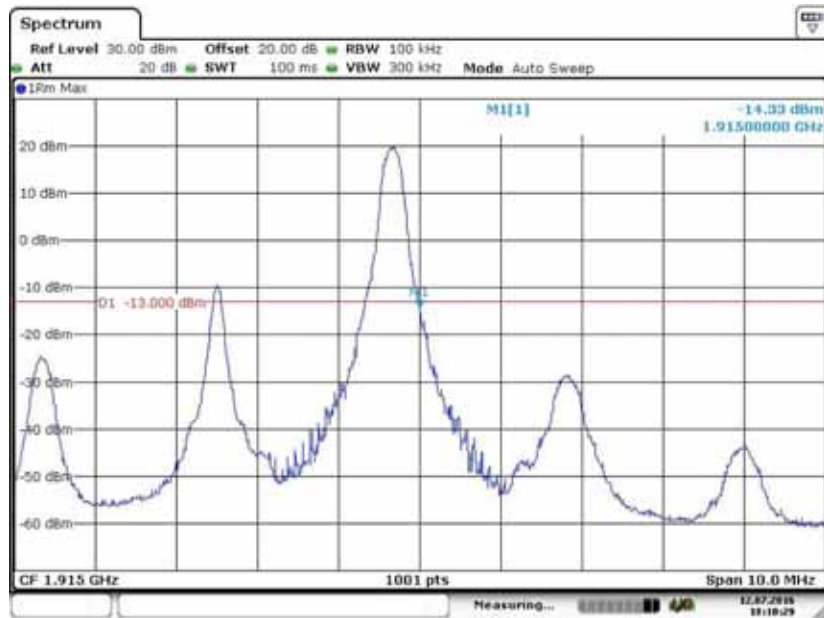
Date: 12 JUL 2016 18:07:42

Test Model	BAND EDGE EMISSION			
	LTE Babb25	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	26065	Frequency(MHz)	1852.5



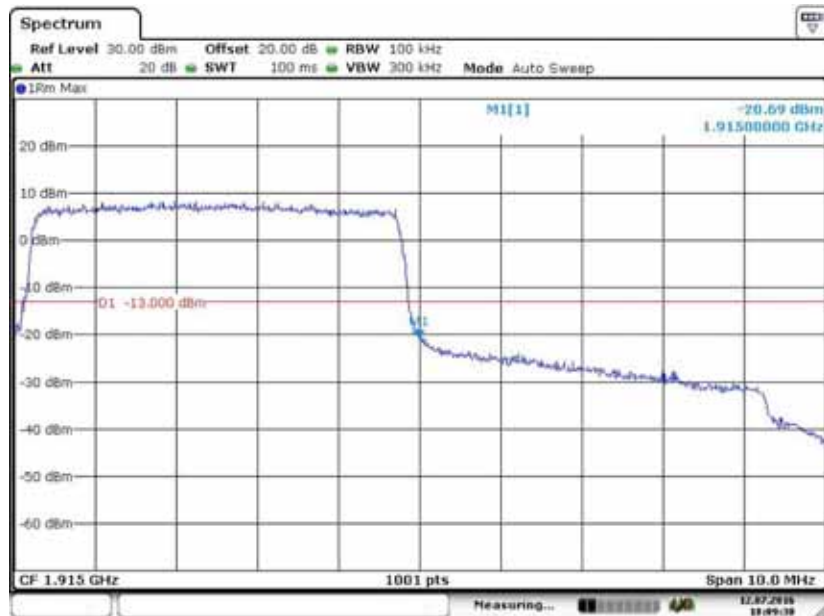
Date: 12 JUL 2016 18:07:14

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	5MHz	Test RB	RB1#0
	Test Channel	26665	Frequency(MHz)	1912.5



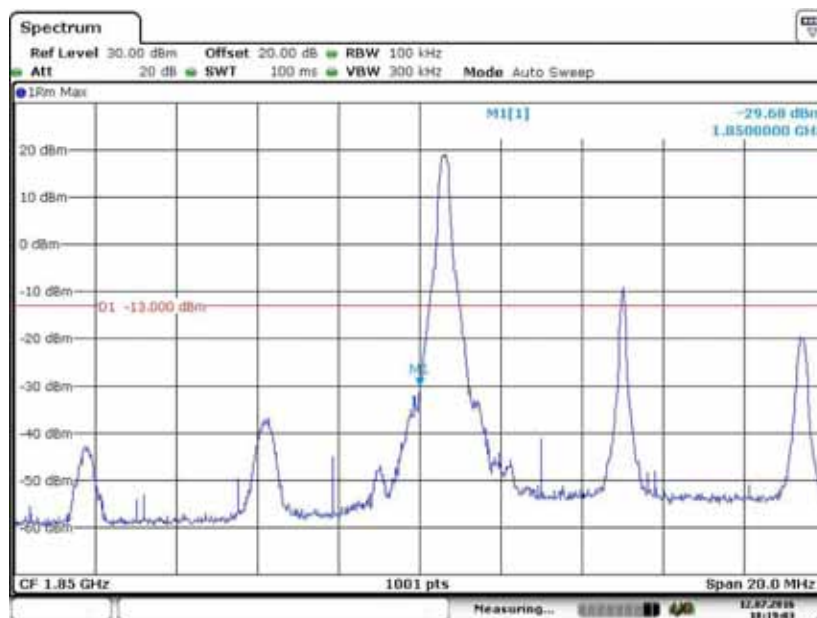
Date: 12 JUL 2016 18:10:29

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	5MHz	Test RB	RB25#0
	Test Channel	26665	Frequency(MHz)	1912.5



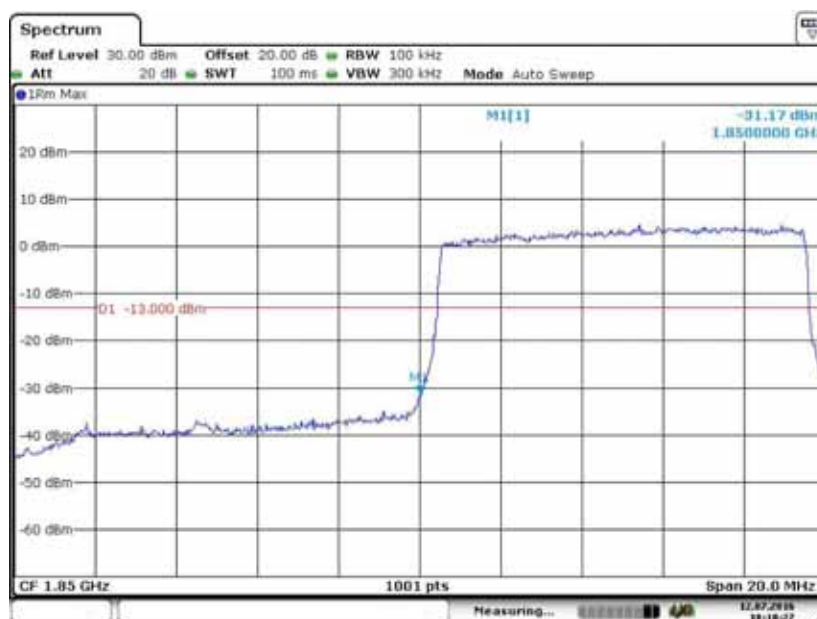
Date: 12 JUL 2016 18:09:31

Test Model	BAND EDGE EMISSION			
	LTE Babb25	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	26090	Frequency(MHz)	1855.0



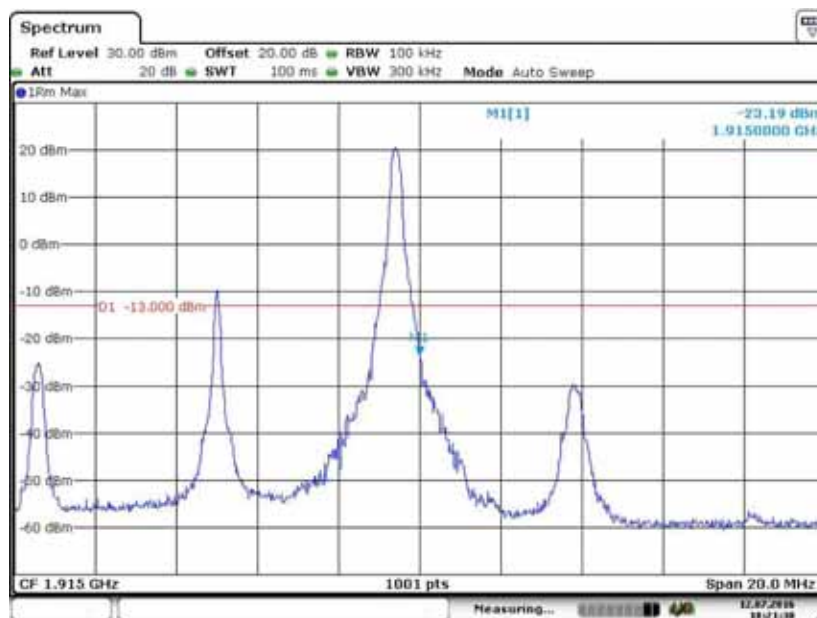
Date: 12 JUL 2016 18:19:03

Test Model	BAND EDGE EMISSION			
	LTE Babb25	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	26090	Frequency(MHz)	1855.0



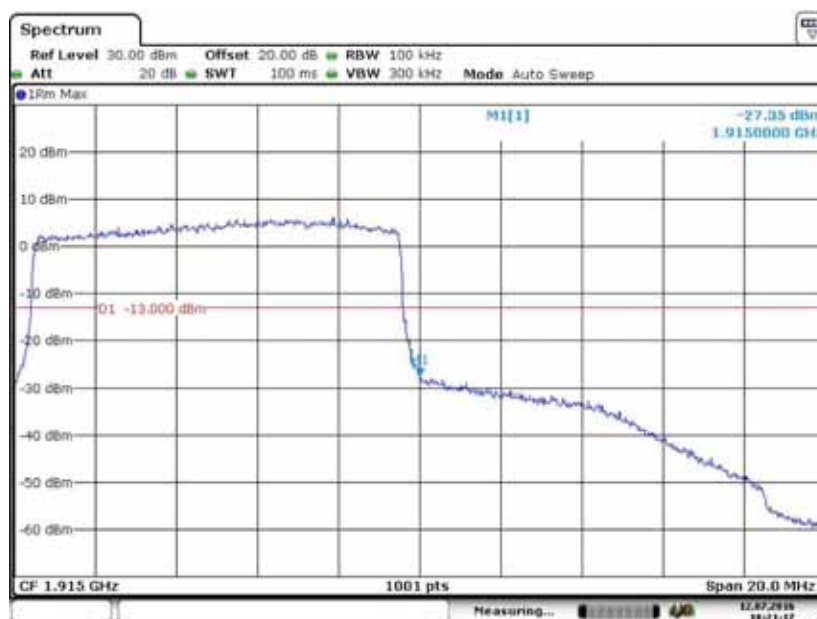
Date: 12 JUL 2016 18:18:27

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	10MHz	Test RB	RB1#0
	Test Channel	26640	Frequency(MHz)	1910.0



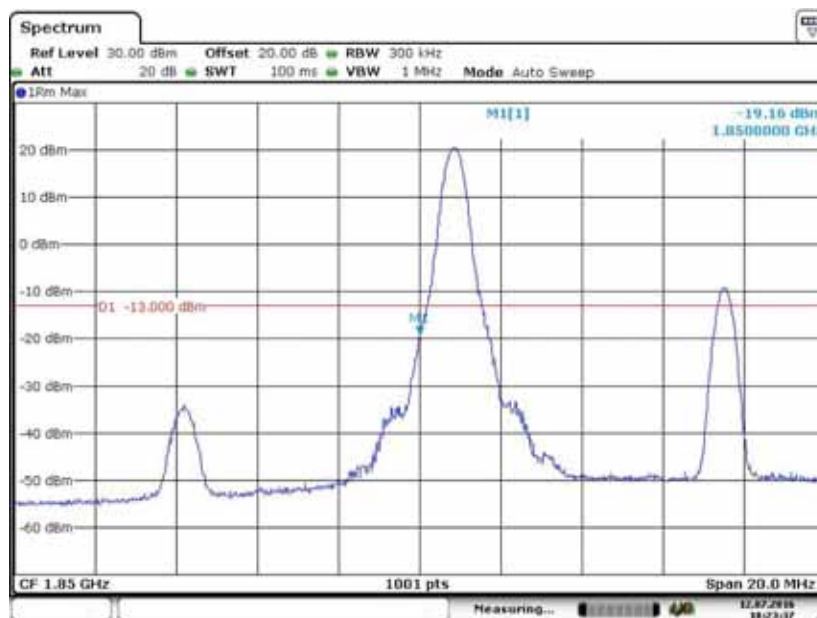
Date: 12 JUL 2016 18:21:30

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	10MHz	Test RB	RB50#0
	Test Channel	26640	Frequency(MHz)	1910.0



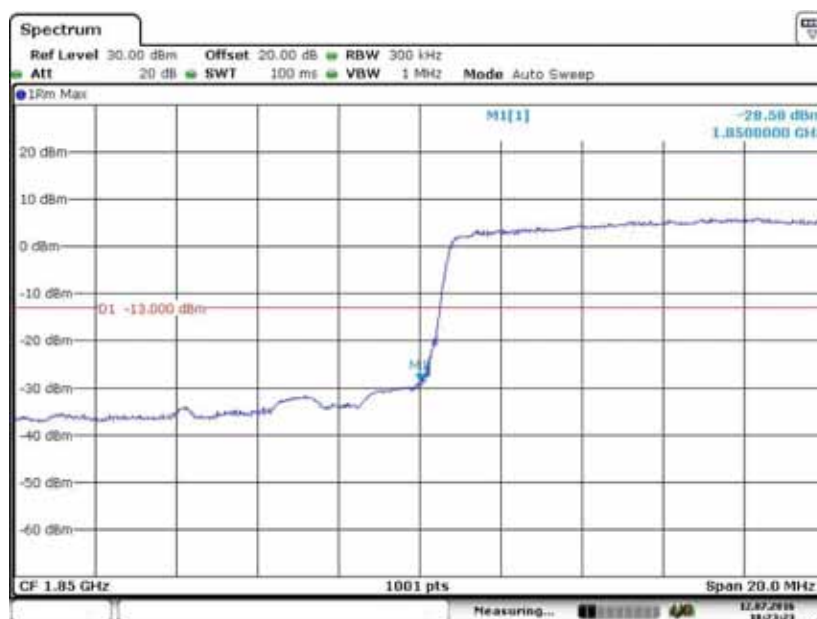
Date: 12 JUL 2016 18:21:17

Test Model	BAND EDGE EMISSION			
	LTE Babb25	QPSK Modulation		
	Band Width	15MHz	Test RB	RB1#0
	Test Channel	26115	Frequency(MHz)	1857.5



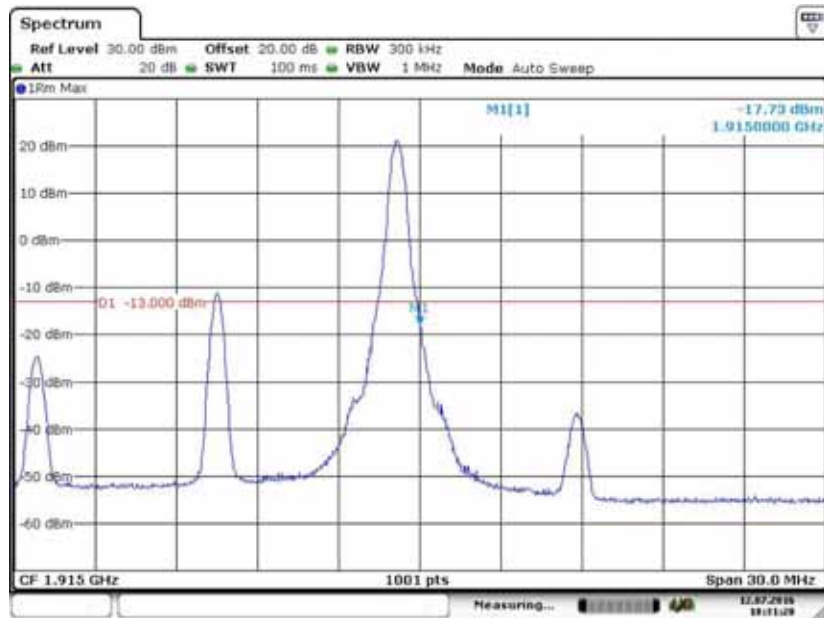
Date: 12 JUL 2016 18:23:37

Test Model	BAND EDGE EMISSION			
	LTE Babb25	QPSK Modulation		
	Band Width	15MHz	Test RB	RB75#0
	Test Channel	26115	Frequency(MHz)	1857.5



Date: 12 JUL 2016 18:23:22

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	15MHz	Test RB	RB1#0
	Test Channel	26615	Frequency(MHz)	1907.5



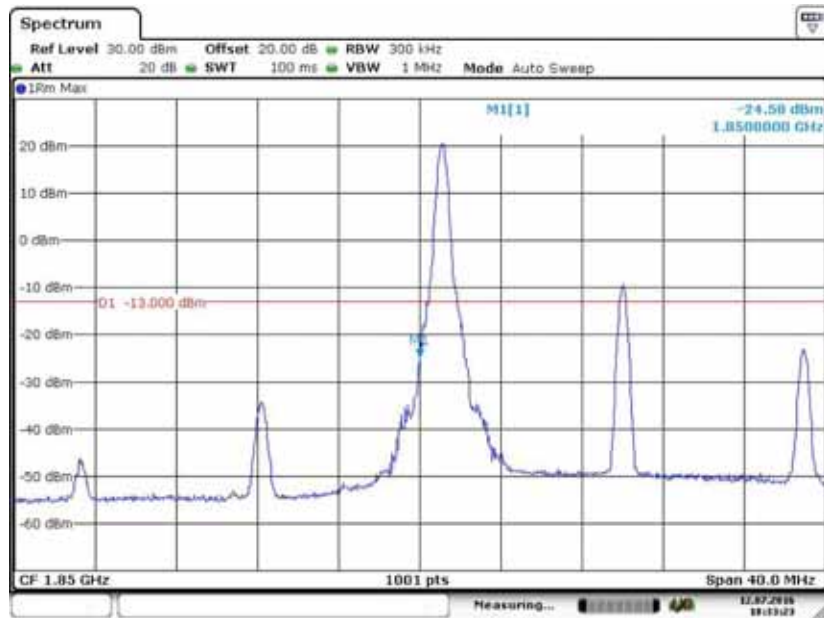
Date: 12 JUL 2016 18:31:28

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	15MHz	Test RB	RB75#0
	Test Channel	26615	Frequency(MHz)	1907.5



Date: 12 JUL 2016 18:31:11

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	20MHz	Test RB	RB1#0
	Test Channel	26140	Frequency(MHz)	1860.0



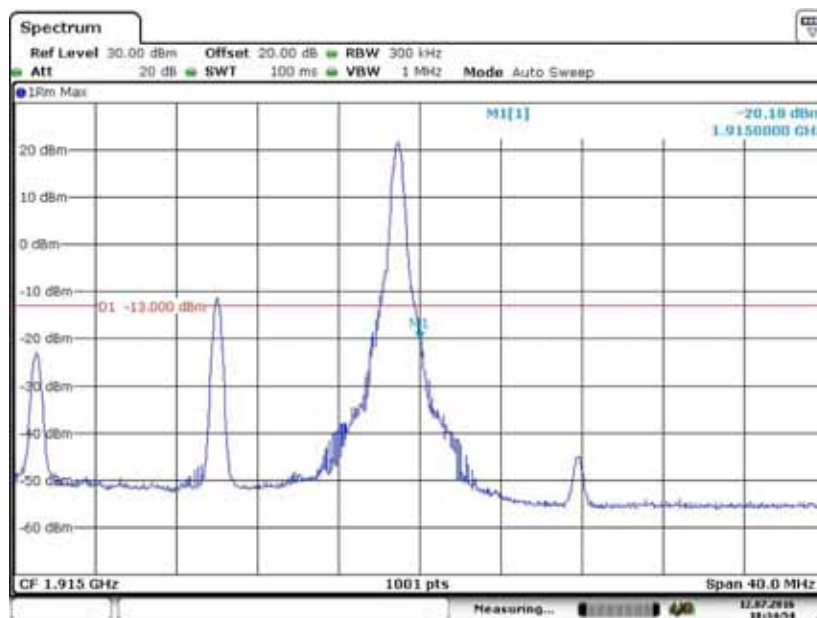
Date: 12 JUL 2016 18:33:23

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	20MHz	Test RB	RB100#0
	Test Channel	26140	Frequency(MHz)	1860.0



Date: 12 JUL 2016 18:32:50

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	20MHz	Test RB	RB1#0
	Test Channel	26590	Frequency(MHz)	1905.0



Date: 12 JUL 2016 18:34:55

BAND EDGE EMISSION				
Test Model	LTE Babb25	QPSK Modulation		
	Band Width	20MHz	Test RB	RB100#0
	Test Channel	26590	Frequency(MHz)	1905.0



Date: 12 JUL 2016 18:34:41