FCC RF Test Report

APPLICANT	:	**Motorola Mobility LLC**
EQUIPMENT	:	**Mobile Cellular Phone**
BRAND NAME	:	**Motorola**
MODEL NAME	:	**XT1952-3;XT1952-4;XT1952DL**
FCC ID	:	**IHDT56XR1**
STANDARD	:	**FCC 47 CFR Part 2, 90(R)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**

The product was received on Sep. 21, 2018 and completely tested on Nov. 16, 2018. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

James Huang

TESTING
NVLAP LAB CODE 600155-0

Approved by: James Huang / Manager

Sporton International (Kunshan) Inc.
No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335 China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG892103C	Rev. 01	Initial issue of report	Dec. 20, 2018

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting only	PASS	-
	§90.542 (a)(7)	Effective Radiated Power	ERP < 3Watt	PASS	-
3.5	§2.1049	Occupied Bandwidth	Reporting only	PASS	-
3.6	§2.1053 §90.543 (e)(2)(3)	Conducted Band Edge Measurement	Refer standard	PASS	-
3.7	§2.1051 §90.210(n)	Emission Mask	Mask B	PASS	-
3.8	§2.1053 §90.543 (e)(3)	Conducted Spurious Emission	$< 43+10\log_{10}(P[Watts])$	PASS	-
3.9	§2.1055 §90.539 (e)	Frequency Stability Temperature & Voltage	$< \pm1.25$ ppm	PASS	-
4.4	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission	$< 43+10\log_{10}(P[Watts])$	PASS	Under limit 25.36 dB at 1578.000 MHz

1 General Description

1.1 Applicant

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT1952-3;XT1952-4;XT1952DL
FCC ID	IHDT56XR1
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/FM/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 Bluetooth BR/EDR/LE
IMEI Code	Conducted: 359515090007489/359515090007257 Radiation: 359515090007695/359512095520497
HW Version	DVT 2
SW Version	PPY29.17
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx Frequency	LTE Band 14 :790.5 MHz ~ 795.5 MHz
Rx Frequency	LTE Band 14 :760.5 MHz ~ 765.5 MHz
Bandwidth	5MHz / 10MHz
Maximum Output Power to Antenna	23.03 dBm
Antenna Type	Fixed Internal Antenna
Antenna Gain	-4.2 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter 1	**Brand Name**	Motorola(Salom)	**Model Name**	SC-41
	Power Rating	I/P: 100 - 240 Vac, 0.13A, O/P: 5Vdc 2000mA		
AC Adapter 2	**Brand Name**	Motorola(Acbel)	**Model Name**	SC-41
	Power Rating	I/P: 100 - 240 Vac, 0.13A, O/P: 5Vdc 2000mA		
Battery	**Brand Name**	Motorola(SCUD)	**Model Name**	JE40
	Power Rating	3.8Vdc, 3000mAh	**Type**	Li-ion
USB Cable 1	**Brand Name**	LiQi	**Model Name**	L32B-053000100/ L32B-053000100L
	Signal Line	1.0 meter, shielded cable, without ferrite core		
USB Cable 2	**Brand Name**	SaiBao	**Model Name**	S32B-053000100/ S32B-053000100L
	Signal Line	1.0 meter, shielded cable, without ferrite core		

1.7 Maximum ERP Power, Frequency Tolerance, and Emission Designator

LTE Band 14		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	790.5~795.5	4M50G7D	-	0.0455	4M48W7D	-	0.0384
10	793	8M97G7D	0.0044	0.0466	8M95W7D	-	0.0394

LTE Band 14		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	790.5~795.5	4M50W7D	-	0.0297
10	793	8M95W7D	-	0.0315

1.8 Testing Location

Sporton Lab is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0).

Test Site	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335, China TEL : 86-512-57900158 FAX : 86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC designation No.**	**FCC Test Firm Registration No.**
	TH01-KS 03CH06-KS	CN5013	630927

1.9 Applied Standards

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

- 47 CFR Part 2, Part 90(R)
- ANSI C63.26-2015
- KDB 971168 D01 Power Meas License Digital Systems v03r01
- KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.

2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

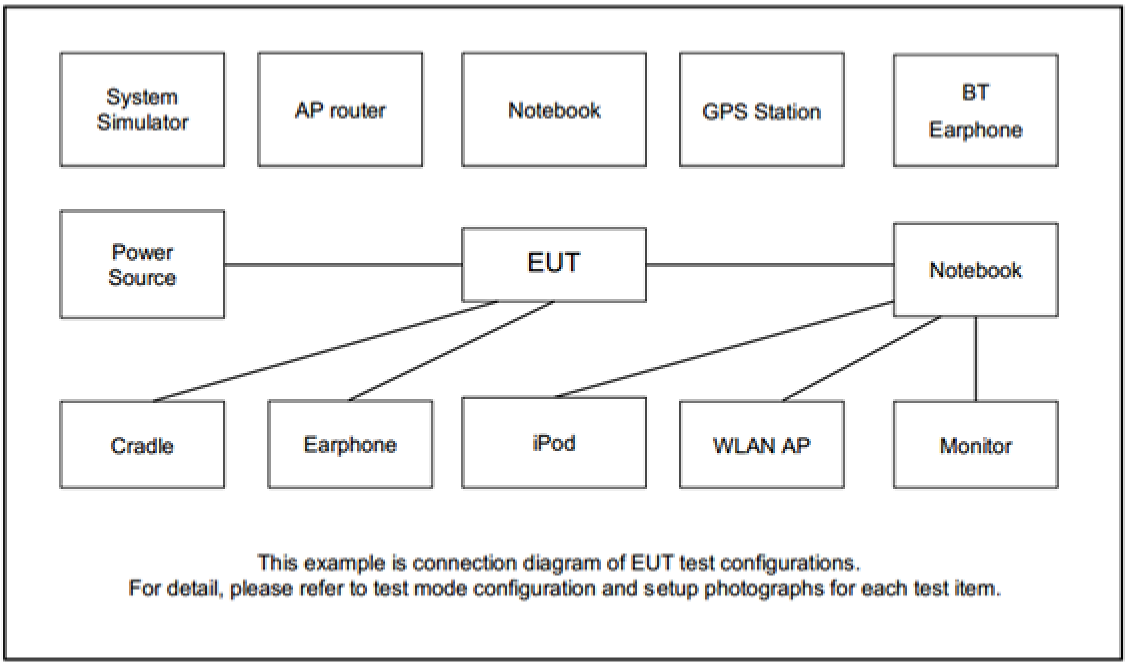
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

Conducted Test Cases	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	14	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	14	-	-	v	v	-	-	v	v	v			v	v	v	v
Conducted Band Edge	14	-	-	v	v	-	-	v	v	v	v		v	v		v
Emission Mask	14	-	-	v	v	-	-	v	v	v	v		v	v	v	v
Conducted Spurious Emission	14	-	-	v	v	-	-	v	v	v	v			v	v	v
Frequency Stability	14	-	-		v	-	-	v					v		v	
E.R.P	14	-	-	v	v	-	-	v	v	v	v			v	v	v
Radiated Spurious Emission	14	Worst Case												v	v	v
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All the radiated test cases were performed with Adapter 1 and USB Cable 1.															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GWINSTEK	GPD-2303S	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	Lianyun	LYM500-036-002	N/A	Unshielded, 1.8m	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss.
Offset = RF cable loss.
Following shows an offset computation example with cable loss 4.3 dB.

Example :
Offset(dB) = RF cable loss(dB).
= 4.3 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 14 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5

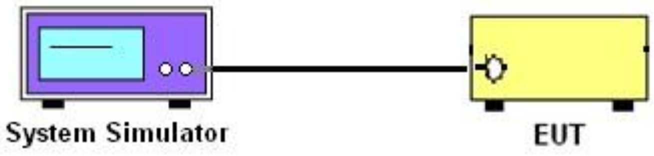
3 Conducted Test Items

3.1 Measuring Instruments

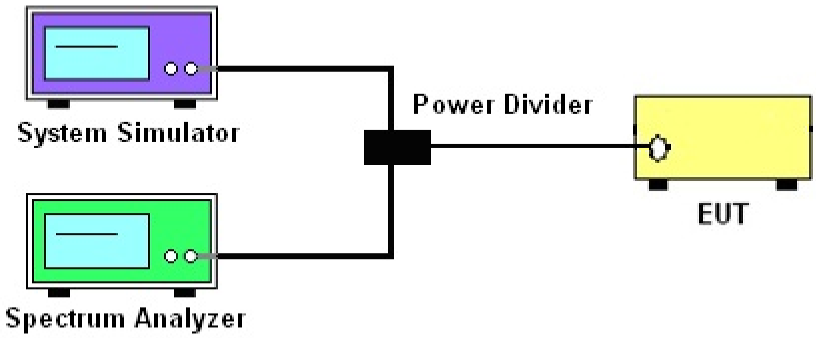
See list of measuring instruments of this test report.

3.2 Test Setup

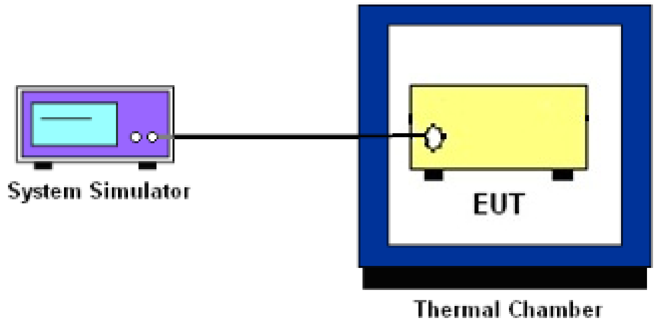
3.2.1 Conducted Output Power



3.2.2 Occupied / 26dB Bandwidth ,Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP

3.4.1 Description of the Conducted Output Power Measurement and ERP

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 14.

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T - L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Occupied Bandwidth

3.5.1 Description of Occupied Bandwidth Measurement

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

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

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
7. Determine the "-26 dB down amplitude" as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the "–X dB down amplitude" determined in step 6. If a marker is below this "-X dB down amplitude" value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.6 Conducted Band Edge Measurement

3.6.1 Description of Conducted Band Edge Measurement

For operations in the 758-768 MHz and the 788-798 MHz bands

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

3.7 Emission Mask

3.7.1 Description of Emission Mask

<Emission Mask B>.

For transmitters that are equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:

(1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 100 percent of the authorized bandwidth: At least 25 dB.

(2) On any frequency removed from the assigned frequency by more than 100 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB.

(3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least 43 + 10 log (P) dB.

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

   = -13dBm.

3.8 Conducted Spurious Emission Measurement

3.8.1 Description of Conducted Spurious Emission Measurement

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

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

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and base station via power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's, for under 1GHz RBW = 100kHz, VBW = 300kHz and for above 1GHz RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

   = -13dBm.

3.9 Frequency Stability Measurement

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±1.25 ppm of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5.
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

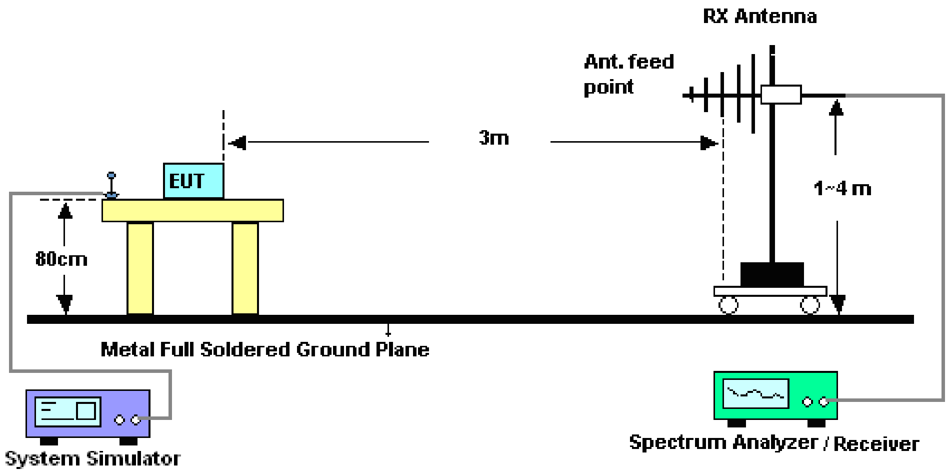
4 Radiated Test Items

4.1 Measuring Instruments

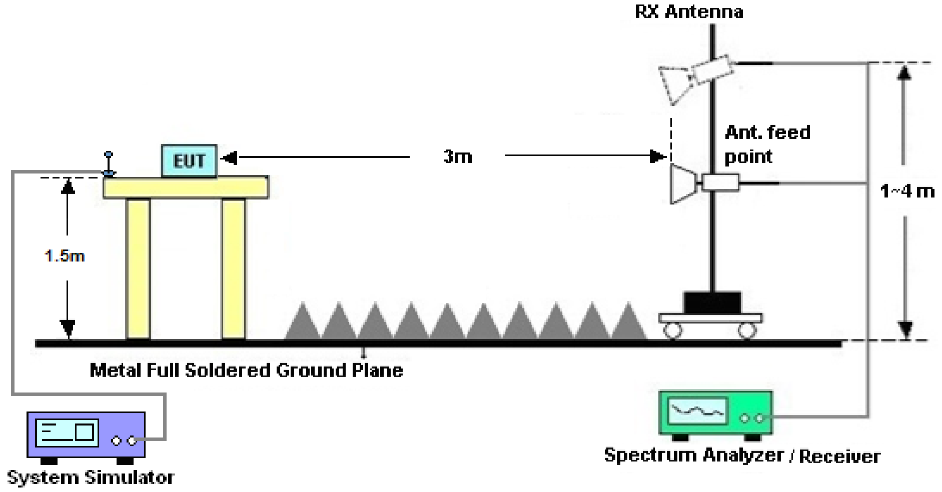
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Aug. 07, 2018	Sep. 29, 2018 ~ Nov. 07, 2018	Aug. 06, 2019	Conducted (TH01-KS)
Thermal Chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jun.27, 2018	Sep. 29, 2018 ~ Nov. 07, 2018	Jun. 26, 2019	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471084	10Hz-44GHz	Jun. 25, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Jun. 24, 2019	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Jan. 29, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Jan. 28, 2019	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 21, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Jan. 20, 2019	Radiation (03CH06-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Feb. 07, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Feb. 06, 2019	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	187289	9KHz ~1GHZ	Aug. 06, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Aug. 05, 2019	Radiation (03CH06-KS)
Amplifier	MITEQ	TTA1840-35 -HG	2014749	18~40GHz	Feb. 08, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Feb. 07, 2019	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1	2025788	1Ghz-18Ghz	Apr. 17, 2018	Oct. 14, 2018 ~ Nov. 16, 2018	Apr. 16, 2019	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5GHz	Dec. 16, 2017	Oct. 14, 2018 ~ Nov. 16, 2018	Dec. 15, 2018	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Oct. 14, 2018 ~ Nov. 16, 2018	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Oct. 14, 2018 ~ Nov. 16, 2018	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Oct. 14, 2018 ~ Nov. 16, 2018	NCR	Radiation (03CH06-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.5 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.0 dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.0 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 14 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.74	22.77	22.82
5	1	12		22.86	22.93	22.90
5	1	24		22.87	22.86	22.83
5	12	0		21.88	21.90	21.89
5	12	7		21.85	21.88	21.87
5	12	13		21.76	21.82	21.83
5	25	0		21.90	21.92	21.91
5	1	0	16-QAM	22.09	22.12	22.19
5	1	12		21.99	22.02	22.00
5	1	24		22.08	22.11	22.12
5	12	0		20.88	20.91	20.90
5	12	7		20.88	20.88	20.88
5	12	13		20.80	20.86	20.85
5	25	0		20.81	20.85	20.82
5	1	0	64QAM	21.03	21.04	21.08
5	1	12		20.96	20.98	20.95
5	1	24		20.95	20.94	20.94
5	12	0		19.89	19.97	19.97
5	12	7		19.94	19.98	19.95
5	12	13		19.87	19.93	19.96
5	25	0		19.87	19.94	19.91

LTE Band 14 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
10	1	0	**QPSK**		23.03	
10	1	25			23.00	
10	1	49			23.00	
10	25	0			21.95	
10	25	12			21.94	
10	25	25			21.88	
10	50	0			21.81	
10	1	0	**16-QAM**		22.31	
10	1	25			21.99	
10	1	49			22.12	
10	25	0			20.82	
10	25	12			20.88	
10	25	25			20.86	
10	50	0			20.90	
10	1	0	**64QAM**		21.33	
10	1	25			21.01	
10	1	49			21.10	
10	25	0			19.89	
10	25	12			19.93	
10	25	25			19.94	
10	50	0			19.98	

ERP

LTE Band 14 (G_T - L_C = -4.20 dBi) QPSK						
Bandwidth	**5M**			**10M**		
Channel	**23305 (Low)**	**23330 (Mid)**	**23355 (High)**		**23330 (Mid)**	
Frequency (MHz)	**790.5**	**793**	**795.5**		**793**	
Conducted Power (dBm)	22.86	22.93	22.90		23.03	
Conducted Power (Watts)	0.1932	0.1963	0.1950		0.2009	
ERP(dBm)	16.51	16.58	16.55		16.68	
ERP(Watts)	0.0448	0.0455	0.0452		0.0466	

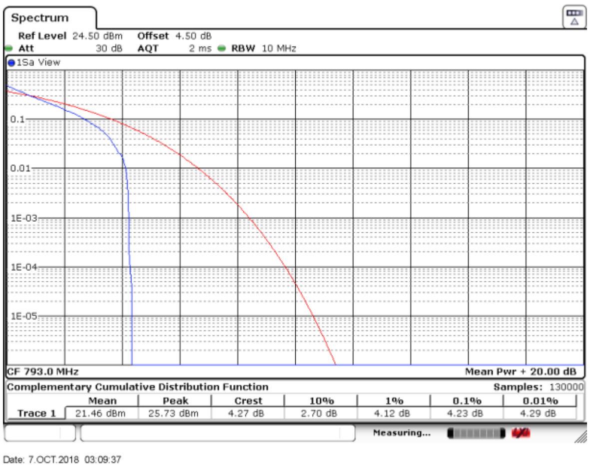
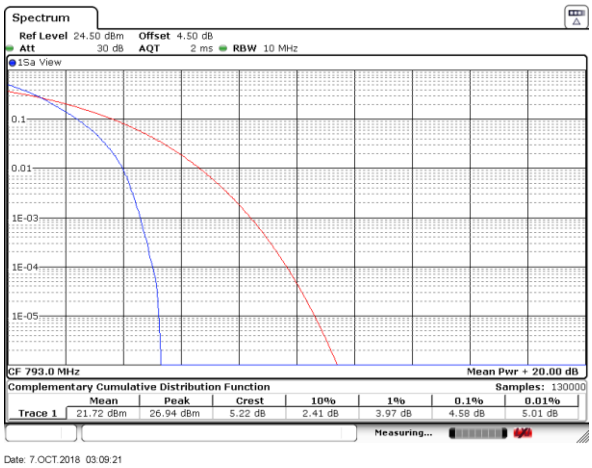
LTE Band 14 (G_T - L_C = -4.20 dBi) 16QAM						
Bandwidth	**5M**			**10M**		
Channel	**23305 (Low)**	**23330 (Mid)**	**23355 (High)**		**23330 (Mid)**	
Frequency (MHz)	**790.5**	**793**	**795.5**		**793**	
Conducted Power (dBm)	22.09	22.12	22.19		22.31	
Conducted Power (Watts)	0.1618	0.1629	0.1656		0.1702	
ERP(dBm)	15.74	15.77	15.84		15.96	
ERP(Watts)	0.0375	0.0378	0.0384		0.0394	

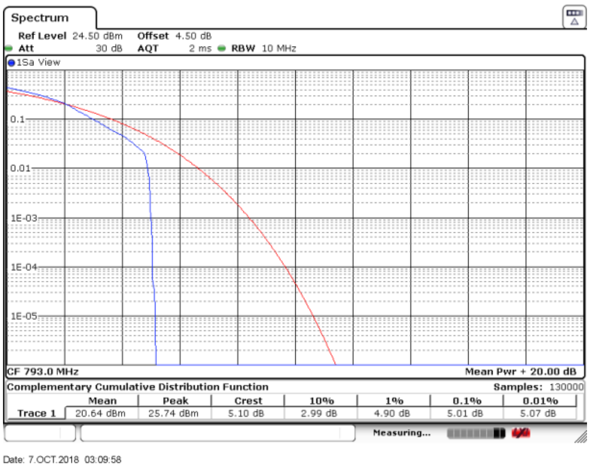
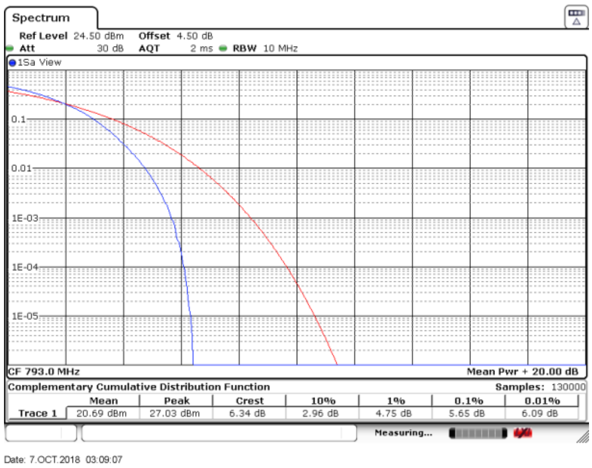
LTE Band 14 (G_T - L_C = -4.20 dBi) 64QAM						
Bandwidth	5M			10M		
Channel	23305 (Low)	23330 (Mid)	23355 (High)		23330 (Mid)	
Frequency (MHz)	790.5	793	795.5		793	
Conducted Power (dBm)	21.03	21.04	21.08		21.33	
Conducted Power (Watts)	0.1268	0.1271	0.1282		0.1358	
ERP(dBm)	14.68	14.69	14.73		14.98	
ERP(Watts)	0.0294	0.0294	0.0297		0.0315	

Peak-to-Average Ratio

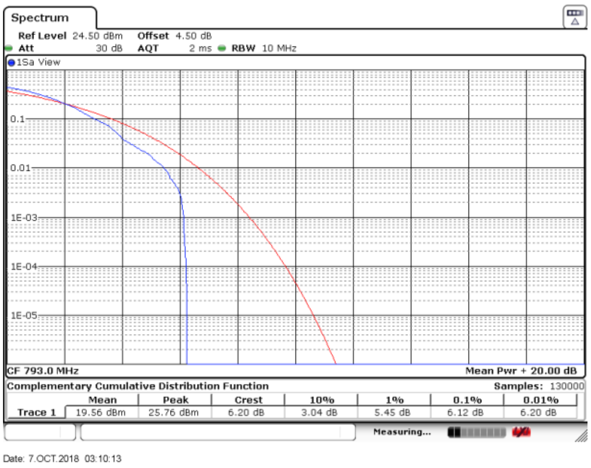
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.23	4.58	5.01	5.65	
Highest CH	-	-	-	-	

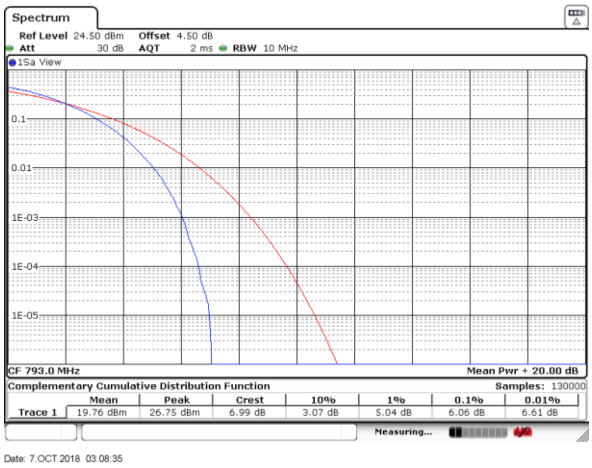
Mod.	64QAM		Limit: 13dB
RB Size	1RB	Full RB	Result
Lowest CH			PASS
Middle CH	6.12	6.06	
Highest CH			

LTE Band 14 / 10MHz / QPSK	
Middle Channel/ 1RB	Middle Channel / Full RB
	

LTE Band 14 / 10MHz / 16QAM	
Middle Channel/ 1RB	Middle Channel / Full RB
	

LTE Band 14 / 10MHz / 64QAM	
Middle Channel/ 1RB	Middle Channel / Full RB



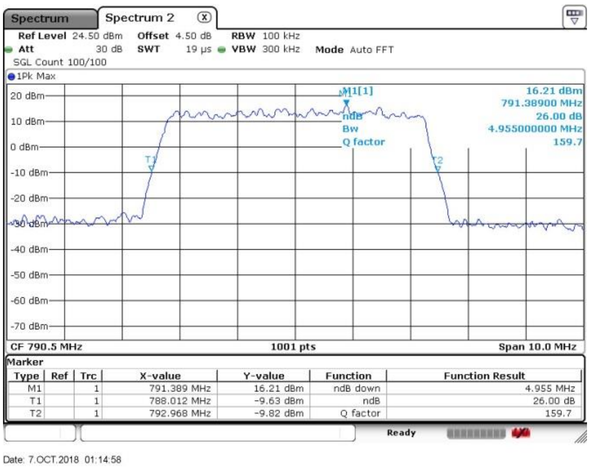


26dB Bandwidth

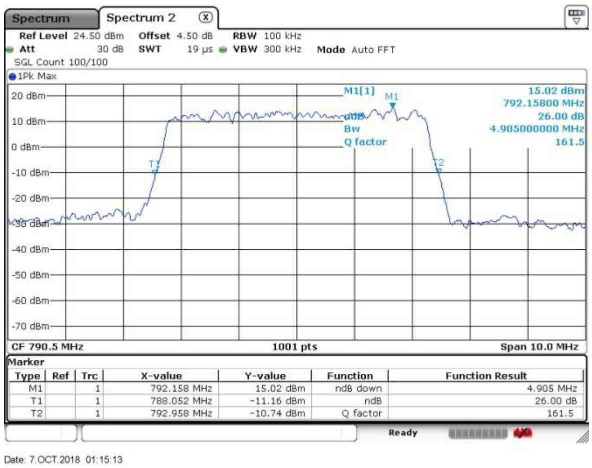
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.955	4.905			4.895							
Middle CH	4.935	4.925	9.75	9.89	4.845	9.77						
Highest CH	4.825	4.985			4.825							

LTE Band 14

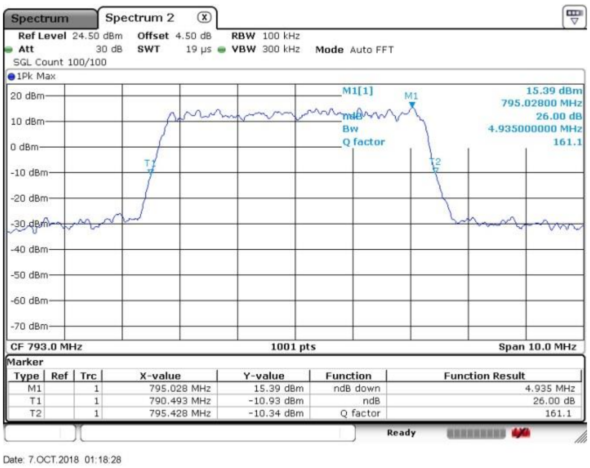
Lowest Channel / 5MHz / QPSK



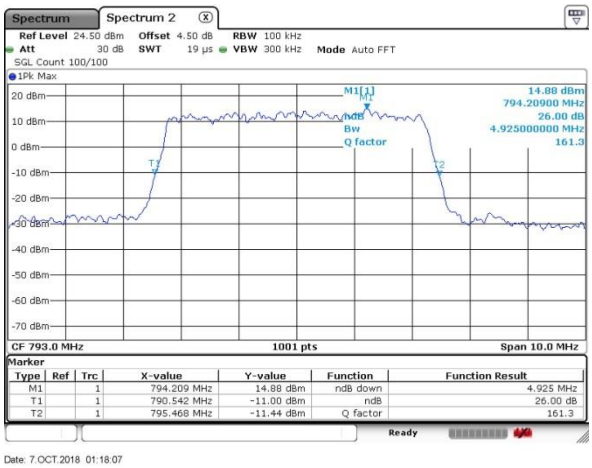
Lowest Channel / 5MHz / 16QAM



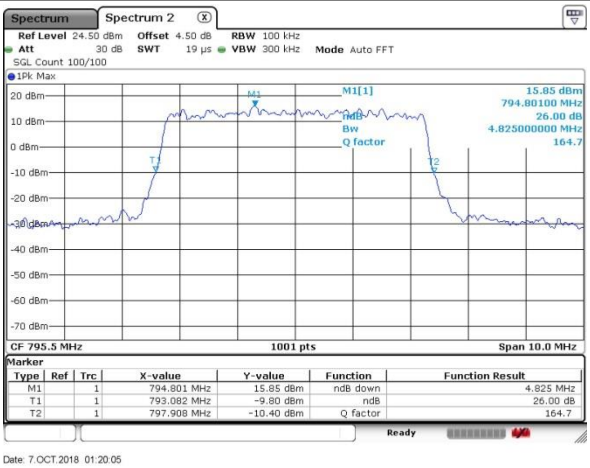
Middle Channel / 5MHz / QPSK



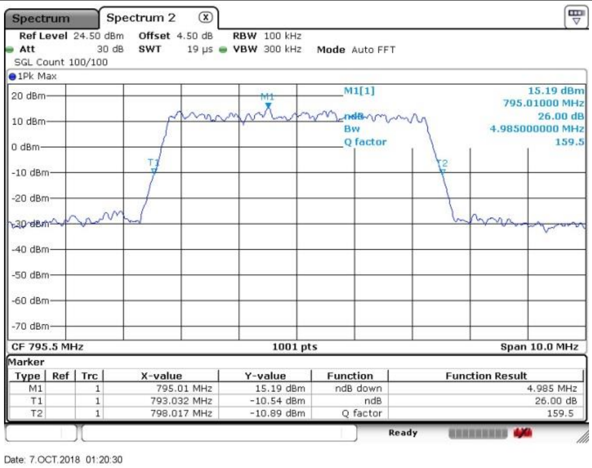
Middle Channel / 5MHz / 16QAM



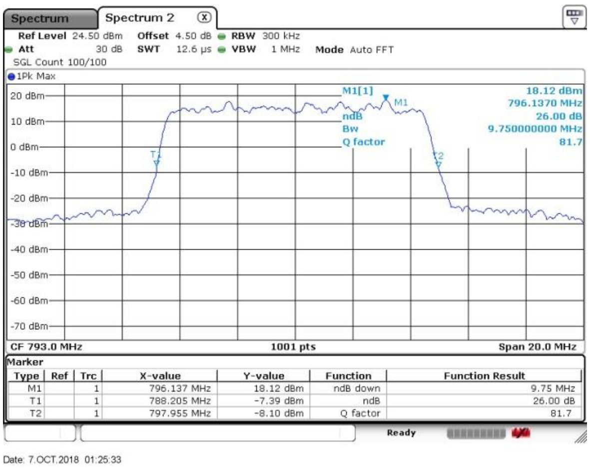
Highest Channel / 5MHz / QPSK

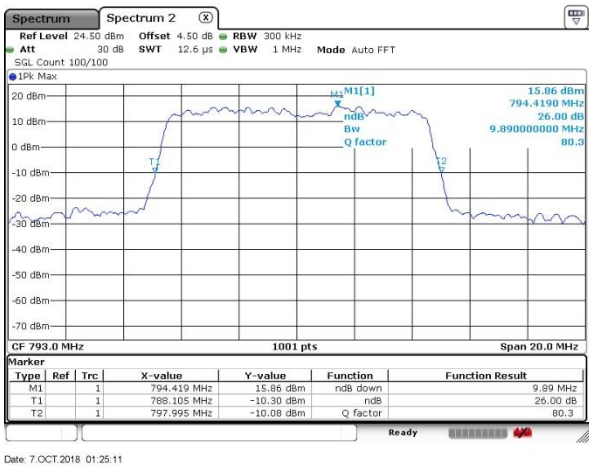


Highest Channel / 5MHz / 16QAM



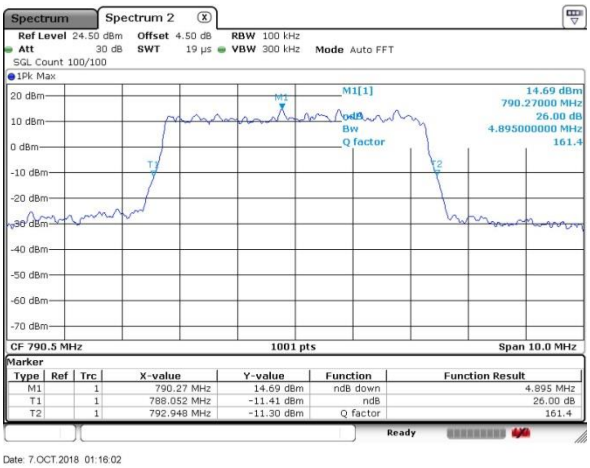
LTE Band 14	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM





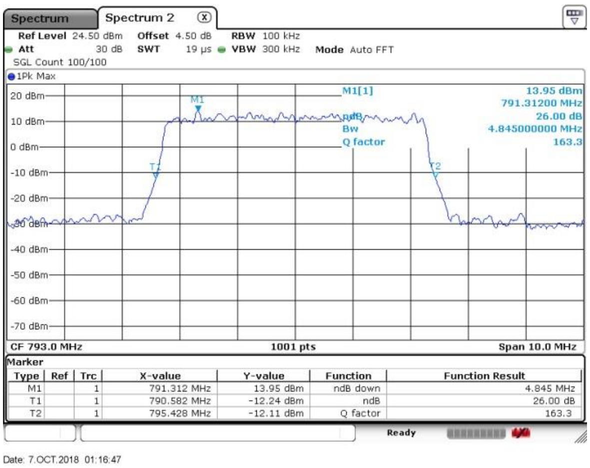
LTE Band 14

Lowest Channel / 5MHz / 64QAM

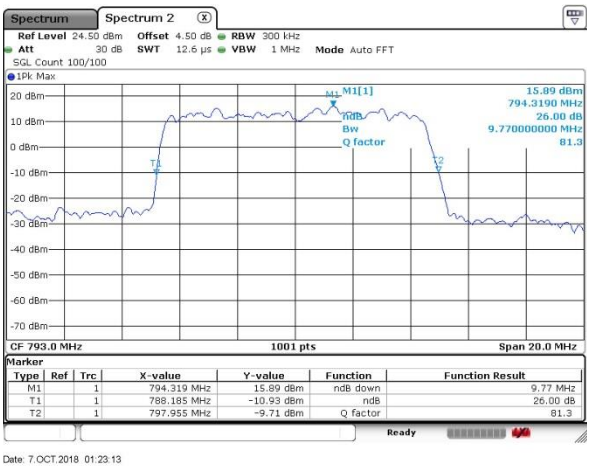


Lowest Channel / 10MHz / 64QAM

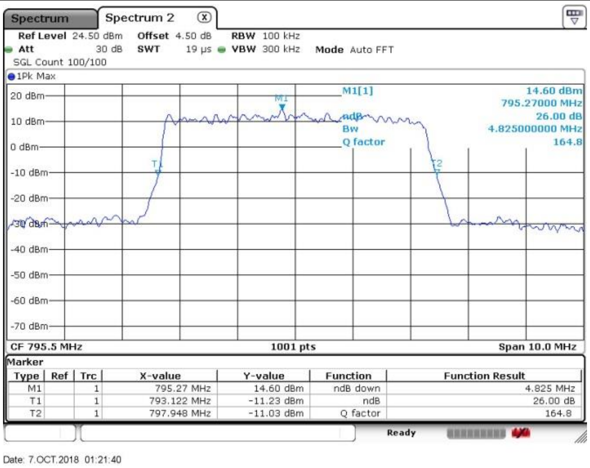
Middle Channel / 5MHz / 64QAM



Middle Channel /10MHz / 64QAM



Highest Channel /5MHz / 64QAM



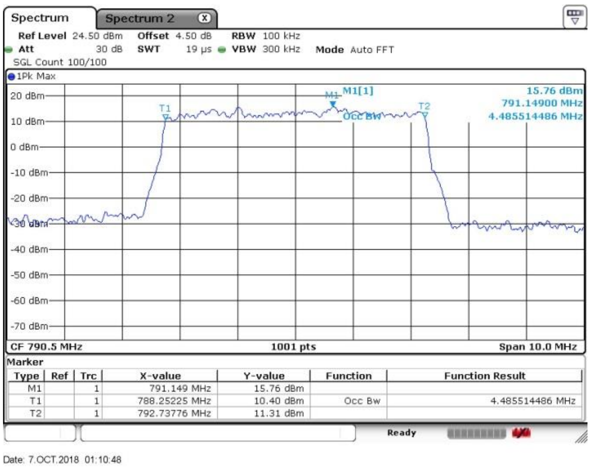
Highest Channel /10MHz / 64QAM

Occupied Bandwidth

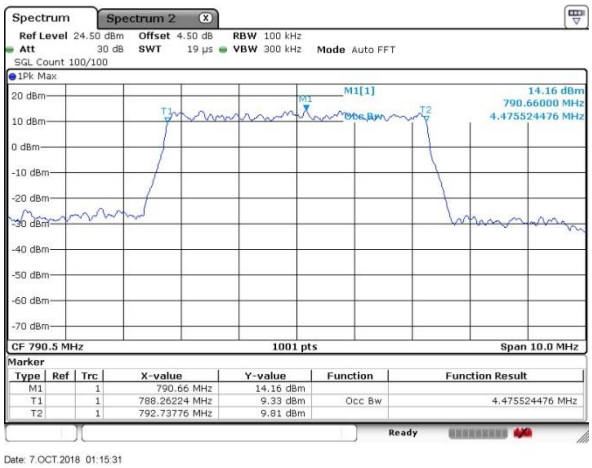
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.49	4.48			4.47							
Middle CH	4.49	4.47	8.97	8.95	4.5	8.95						
Highest CH	4.5	4.46			4.5							

LTE Band 14

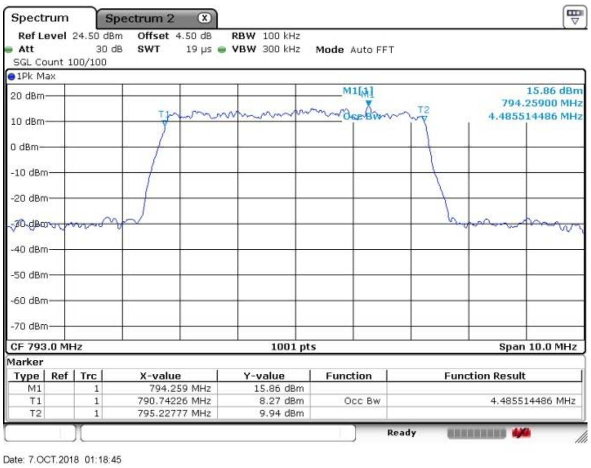
Lowest Channel / 5MHz / QPSK



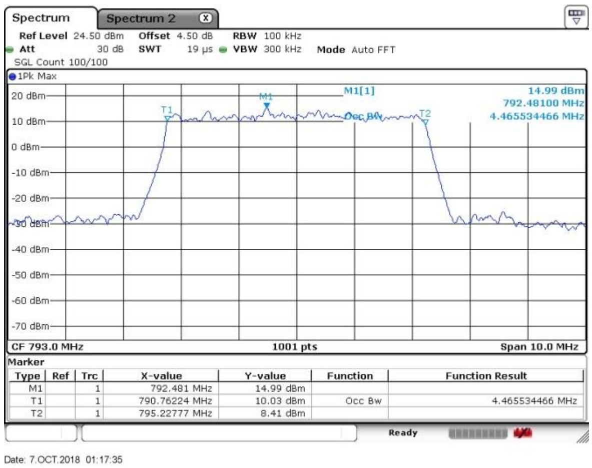
Lowest Channel / 5MHz / 16QAM



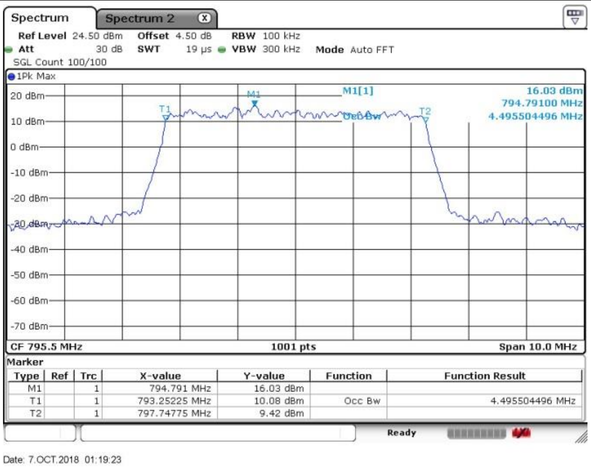
Middle Channel / 5MHz / QPSK



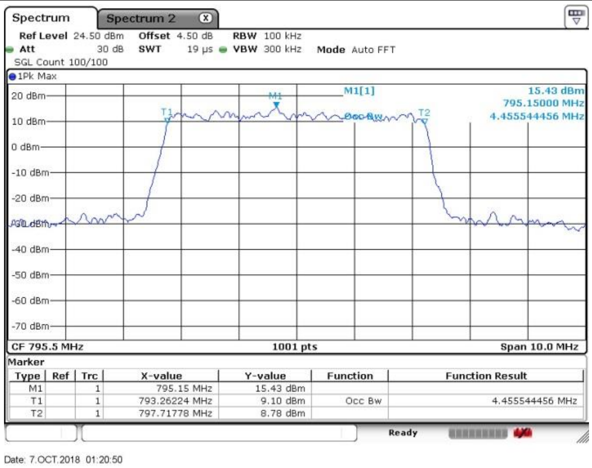
Middle Channel / 5MHz / 16QAM

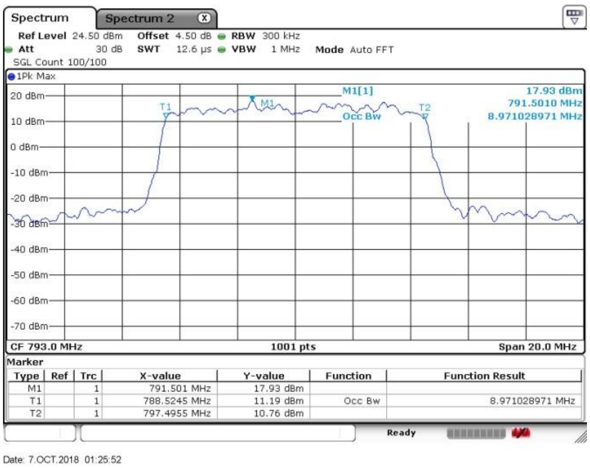
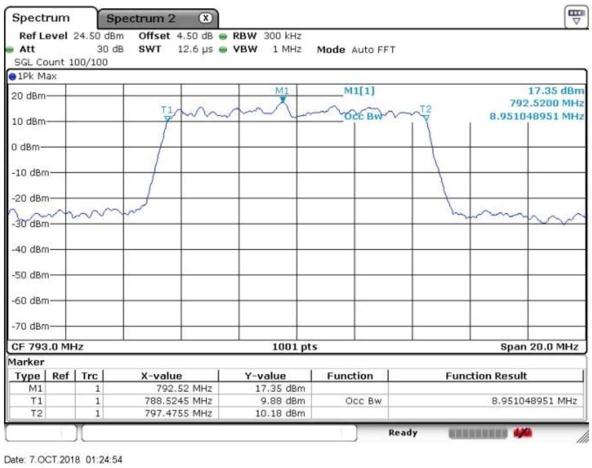


Highest Channel / 5MHz / QPSK



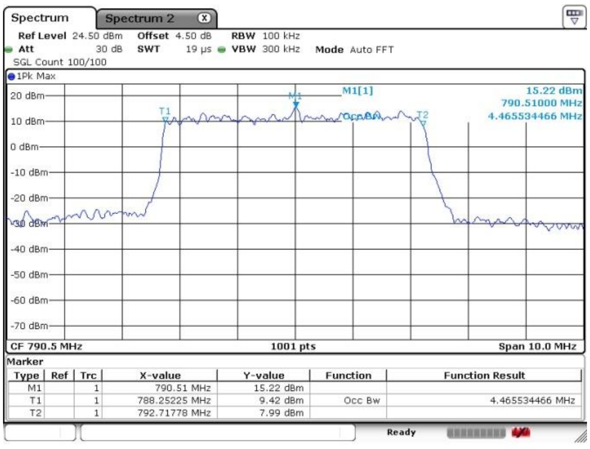
Highest Channel / 5MHz / 16QAM



LTE Band 14	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	

LTE Band 14

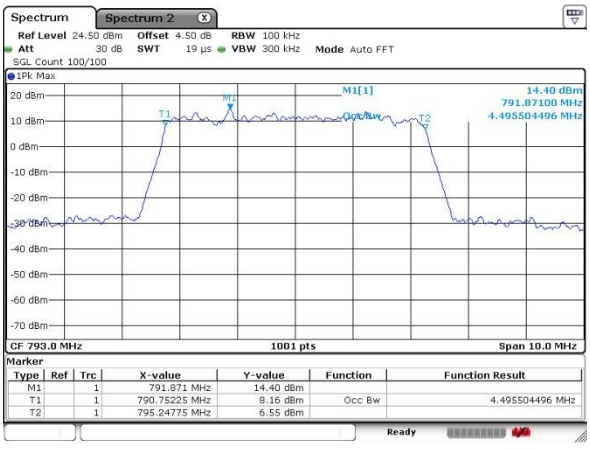
Lowest Channel / 5MHz / 64QAM



Date: 7.OCT.2018 01:15:49

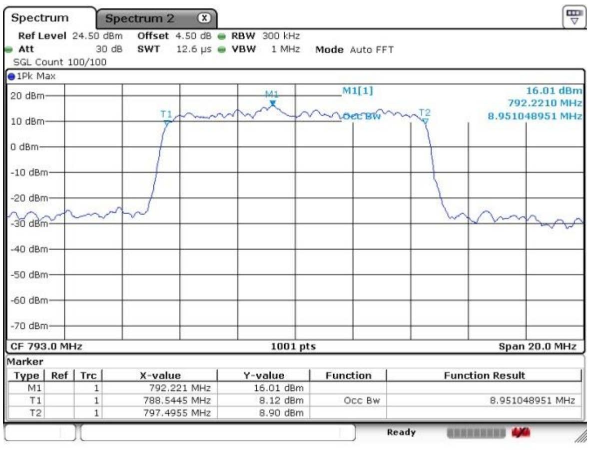
Lowest Channel / 10MHz / 64QAM

Middle Channel / 5MHz / 64QAM



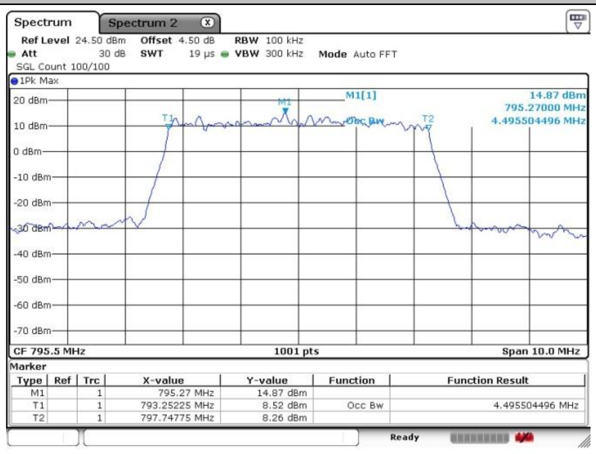
Date: 7.OCT.2018 01:17:13

Middle Channel /10MHz / 64QAM



Date: 7.OCT.2018 01:24:20

Highest Channel /5MHz / 64QAM



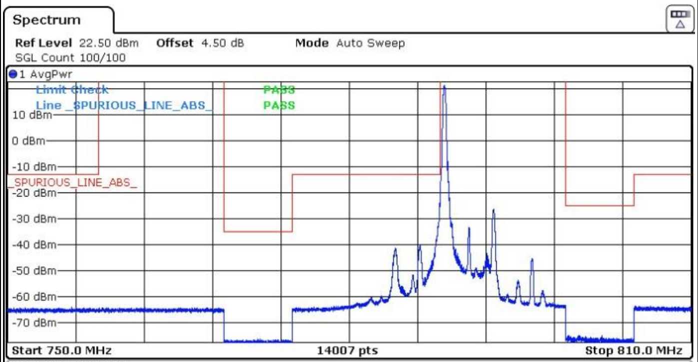
Date: 7.OCT.2018 01:21:15

Highest Channel /10MHz / 64QAM

Conducted Band Edge

LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



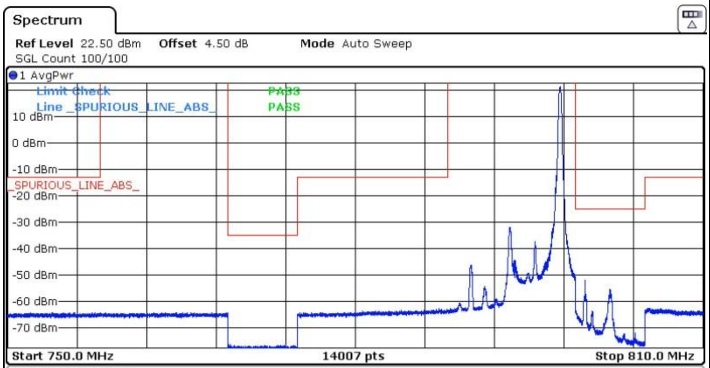
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.65917 MHz	-64.04 dBm	-51.04 dB
758.000 MHz	769.000 MHz	100.000 kHz	762.07621 MHz	-64.14 dBm	-94.14 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.96402 MHz	-76.15 dBm	-41.15 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99675 MHz	-17.39 dBm	-4.39 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.32159 MHz	21.19 dBm	-8.81 dB
799.000 MHz	805.000 MHz	6.250 kHz	802.18291 MHz	-74.88 dBm	-49.88 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.39055 MHz	-63.61 dBm	-50.61 dB

Ready

Date: 7.OCT.2018 03:42:12

Highest Band Edge / 1 RB



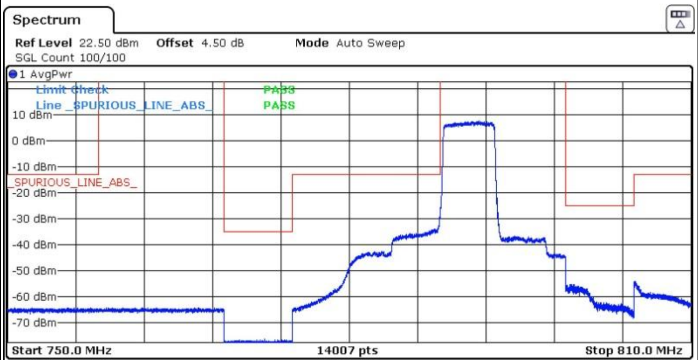
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.30735 MHz	-64.20 dBm	-51.20 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.12719 MHz	-64.08 dBm	-94.08 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.04648 MHz	-76.06 dBm	-41.06 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.20415 MHz	-62.47 dBm	-49.47 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.66692 MHz	21.06 dBm	-8.94 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.83508 MHz	-52.00 dBm	-27.00 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.39855 MHz	-62.40 dBm	-49.40 dB

Ready

Date: 7.OCT.2018 03:36:35

Lowest Band Edge / Full RB



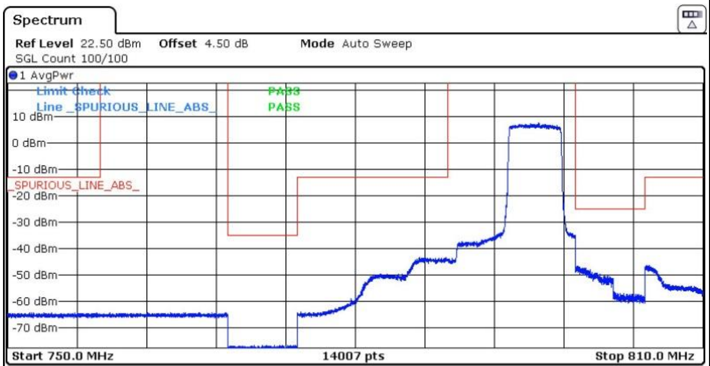
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.33933 MHz	-64.23 dBm	-51.23 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.10820 MHz	-64.25 dBm	-94.25 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.52174 MHz	-76.28 dBm	-41.28 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99025 MHz	-26.70 dBm	-13.70 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.41104 MHz	7.41 dBm	-22.59 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.46027 MHz	-55.09 dBm	-30.09 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.04373 MHz	-53.94 dBm	-40.94 dB

Ready

Date: 7.OCT.2018 03:41:34

Highest Band Edge / Full RB



Spurious Emissions

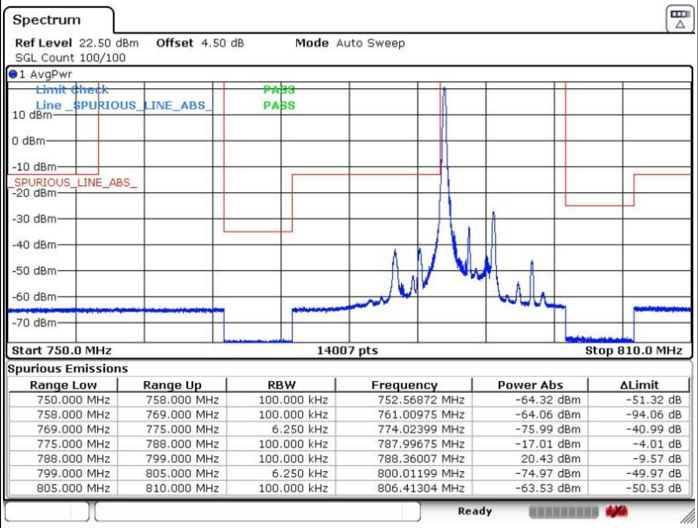
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	752.04898 MHz	-64.20 dBm	-51.20 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.46852 MHz	-64.21 dBm	-94.21 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.97601 MHz	-76.34 dBm	-41.34 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.84083 MHz	-43.30 dBm	-30.30 dB
788.000 MHz	799.000 MHz	100.000 kHz	795.77586 MHz	7.40 dBm	-22.60 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.01349 MHz	-46.51 dBm	-21.51 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.10120 MHz	-46.22 dBm	-33.22 dB

Ready

Date: 7.OCT.2018 03:37:08

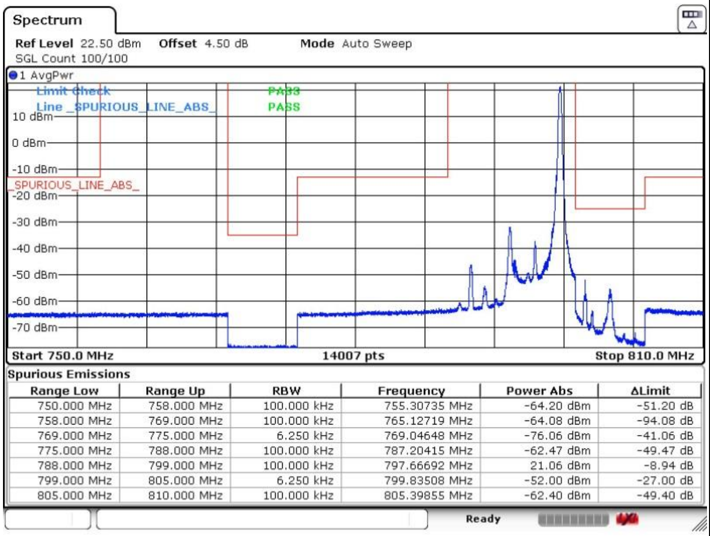
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge /1 RB



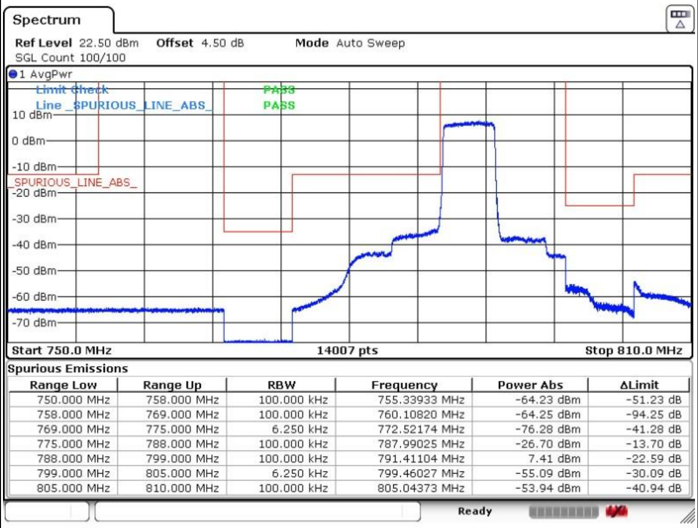
Date: 7.OCT.2018 03:42:59

Highest Band Edge / 1 RB



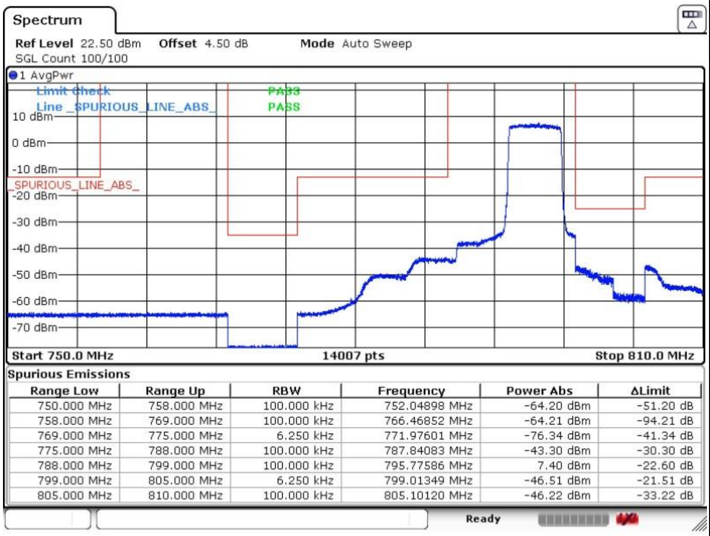
Date: 7.OCT.2018 03:36:35

Lowest Band Edge / Full RB



Date: 7.OCT.2018 03:41:34

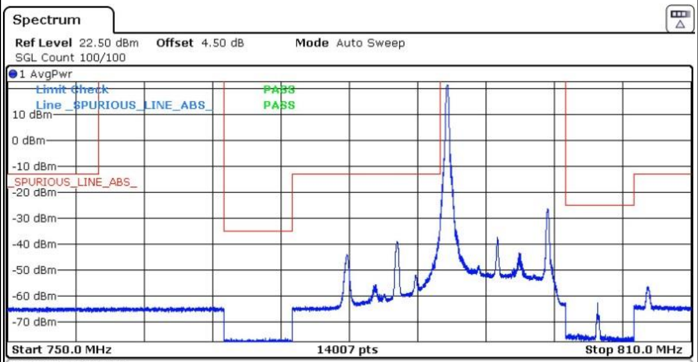
Highest Band Edge / Full RB



Date: 7.OCT.2018 03:37:08

LTE Band 14 / 10MHz / QPSK

Lowest Band Edge / 1 RB



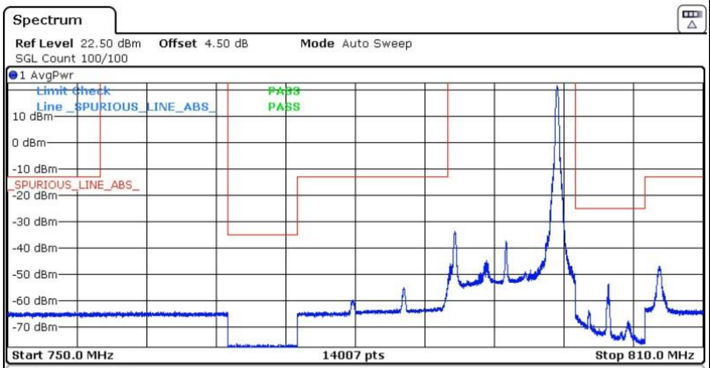
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.46427 MHz	-64.24 dBm	-51.24 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.41304 MHz	-64.09 dBm	-94.09 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.02849 MHz	-76.12 dBm	-41.12 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.98376 MHz	-30.16 dBm	-17.16 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.57446 MHz	21.31 dBm	-8.69 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.80210 MHz	-62.57 dBm	-37.57 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.20815 MHz	-56.23 dBm	-43.23 dB

Ready

Date: 7.OCT.2018 03:44:24

Highest Band Edge / 1 RB



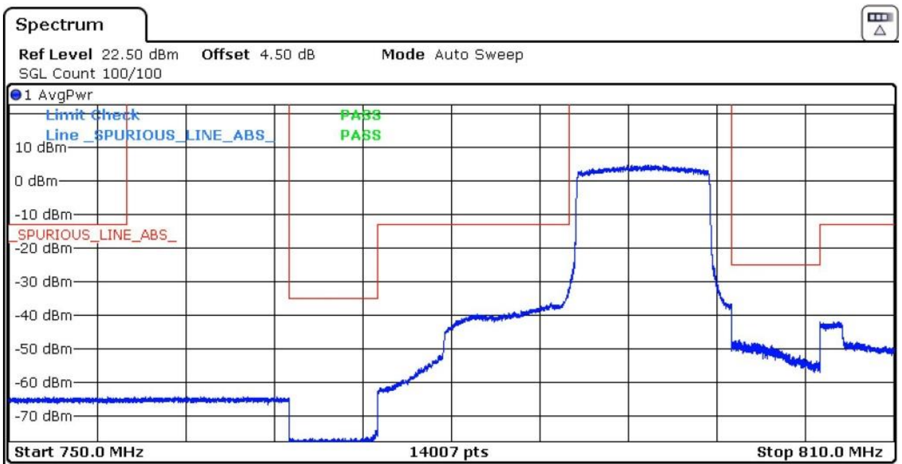
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.68916 MHz	-64.08 dBm	-51.08 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.66342 MHz	-63.93 dBm	-93.93 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.78411 MHz	-76.30 dBm	-41.30 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99025 MHz	-51.68 dBm	-38.68 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.41954 MHz	21.38 dBm	-8.62 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.83508 MHz	-53.56 dBm	-28.56 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.26312 MHz	-46.80 dBm	-33.80 dB

Ready

Date: 7.OCT.2018 03:47:35

Band Edge / Full RB



Spurious Emissions

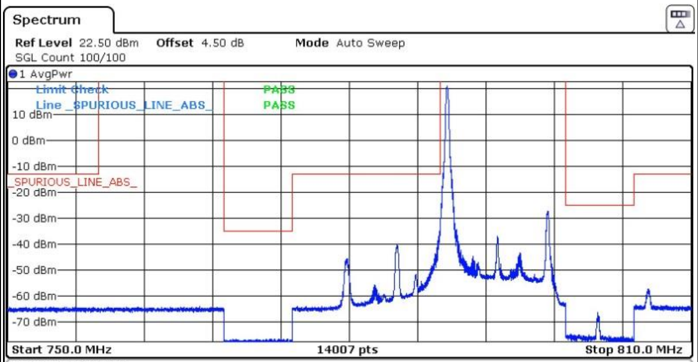
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.06847 MHz	-64.24 dBm	-51.24 dB
758.000 MHz	769.000 MHz	100.000 kHz	763.23063 MHz	-64.16 dBm	-94.16 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.87256 MHz	-74.19 dBm	-39.19 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.98376 MHz	-31.70 dBm	-18.70 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.55497 MHz	4.53 dBm	-25.47 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.51424 MHz	-47.37 dBm	-22.37 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.18816 MHz	-41.86 dBm	-28.86 dB

Ready

Date: 7.OCT.2018 03:48:12

LTE Band 14 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



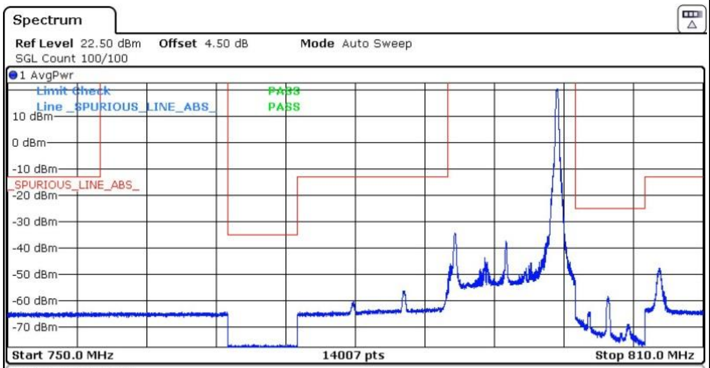
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.14743 MHz	-64.18 dBm	-51.18 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.86432 MHz	-64.03 dBm	-94.03 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.77811 MHz	-76.48 dBm	-41.48 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99675 MHz	-30.99 dBm	-17.99 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.58546 MHz	20.80 dBm	-9.20 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.78711 MHz	-66.15 dBm	-41.15 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.24813 MHz	-57.20 dBm	-44.20 dB

Ready

Date: 7.OCT.2018 03:45:10

Highest Band Edge / 1 RB



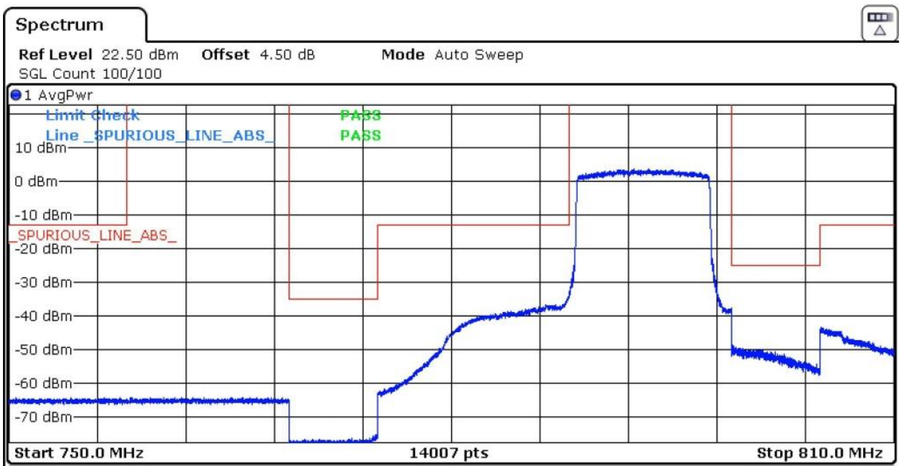
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.50275 MHz	-64.15 dBm	-51.15 dB
758.000 MHz	769.000 MHz	100.000 kHz	768.76087 MHz	-64.18 dBm	-94.18 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.20840 MHz	-76.46 dBm	-41.46 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.98376 MHz	-53.43 dBm	-40.43 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.40305 MHz	20.13 dBm	-9.87 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.81409 MHz	-58.38 dBm	-33.38 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.24563 MHz	-47.53 dBm	-34.53 dB

Ready

Date: 7.OCT.2018 03:46:58

Band Edge / Full RB



Spurious Emissions

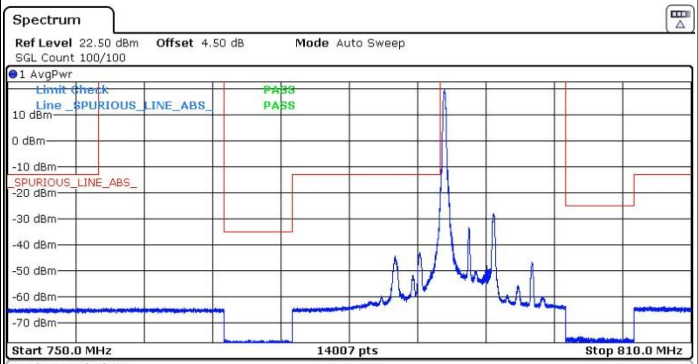
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.21189 MHz	-64.23 dBm	-51.23 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.24463 MHz	-64.10 dBm	-94.10 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.95952 MHz	-74.98 dBm	-39.98 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.98376 MHz	-33.39 dBm	-20.39 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.37356 MHz	3.55 dBm	-26.45 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.07946 MHz	-48.75 dBm	-23.75 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.05872 MHz	-43.33 dBm	-30.33 dB

Ready

Date: 7.OCT.2018 03:48:49

LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



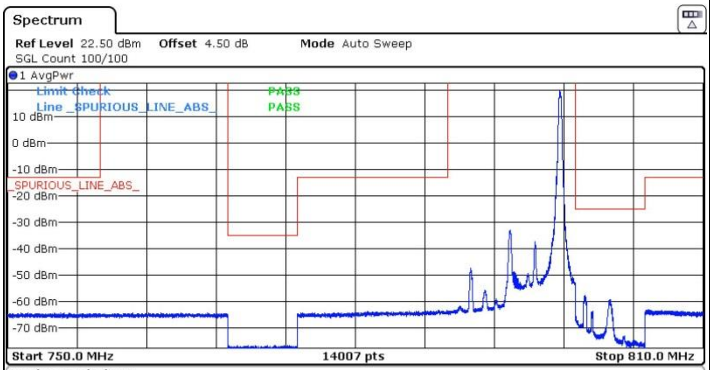
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	752.83658 MHz	-64.24 dBm	-51.24 dB
758.000 MHz	769.000 MHz	100.000 kHz	761.15267 MHz	-64.02 dBm	-94.02 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.12444 MHz	-76.23 dBm	-41.23 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99675 MHz	-18.65 dBm	-5.65 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.36007 MHz	19.48 dBm	-10.52 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.43778 MHz	-75.17 dBm	-50.17 dB
805.000 MHz	810.000 MHz	100.000 kHz	807.67491 MHz	-63.59 dBm	-50.59 dB

Ready

Date: 7.OCT.2018 03:43:38

Highest Band Edge / 1 RB



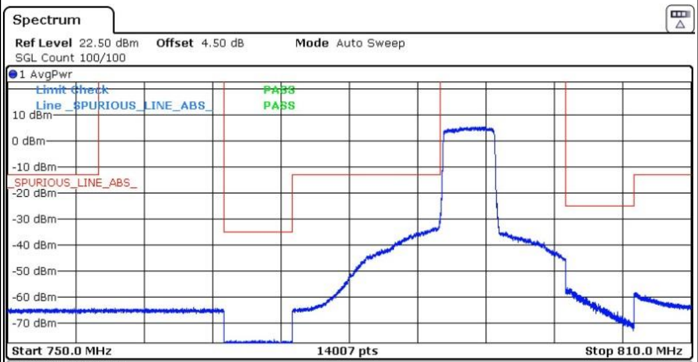
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.57971 MHz	-64.12 dBm	-51.12 dB
758.000 MHz	769.000 MHz	100.000 kHz	762.16967 MHz	-64.12 dBm	-94.12 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.85307 MHz	-76.40 dBm	-41.40 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.15217 MHz	-63.30 dBm	-50.30 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.65592 MHz	19.36 dBm	-10.64 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.82009 MHz	-57.47 dBm	-32.47 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.26862 MHz	-62.90 dBm	-49.90 dB

Ready

Date: 7.OCT.2018 03:35:12

Lowest Band Edge / Full RB



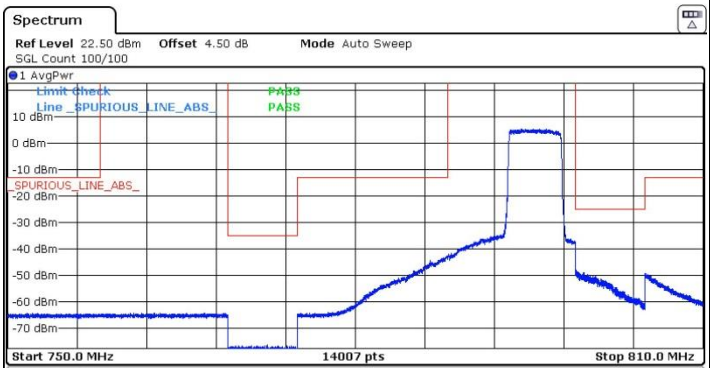
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.23988 MHz	-64.07 dBm	-51.07 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.36407 MHz	-63.97 dBm	-93.97 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.41529 MHz	-76.33 dBm	-41.33 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99675 MHz	-27.53 dBm	-14.53 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.63093 MHz	5.33 dBm	-24.67 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.13043 MHz	-56.40 dBm	-31.40 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.10370 MHz	-58.18 dBm	-45.18 dB

Ready

Date: 7.OCT.2018 03:40:22

Highest Band Edge / Full RB



Spurious Emissions

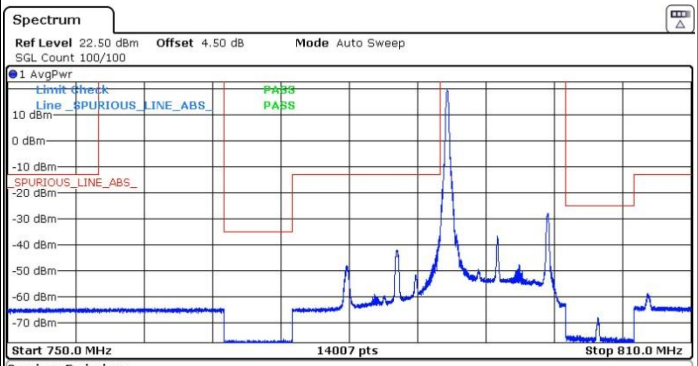
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	752.60870 MHz	-64.28 dBm	-51.28 dB
758.000 MHz	769.000 MHz	100.000 kHz	768.63443 MHz	-64.07 dBm	-94.07 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.41979 MHz	-76.32 dBm	-41.32 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.95127 MHz	-42.48 dBm	-29.48 dB
788.000 MHz	799.000 MHz	100.000 kHz	794.37956 MHz	5.22 dBm	-24.78 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.06447 MHz	-48.07 dBm	-23.07 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.02124 MHz	-49.10 dBm	-36.10 dB

Ready

Date: 7.OCT.2018 03:38:26

LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



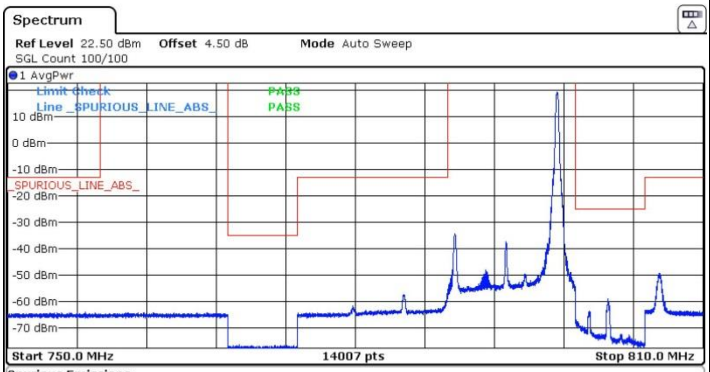
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.02249 MHz	-64.07 dBm	-51.07 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.34708 MHz	-64.06 dBm	-94.06 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.23088 MHz	-76.28 dBm	-41.28 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.97726 MHz	-34.51 dBm	-21.51 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.56897 MHz	19.69 dBm	-10.31 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.82009 MHz	-67.92 dBm	-42.92 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.18816 MHz	-58.59 dBm	-45.59 dB

Ready

Date: 7.OCT.2018 03:45:46

Highest Band Edge / 1 RB



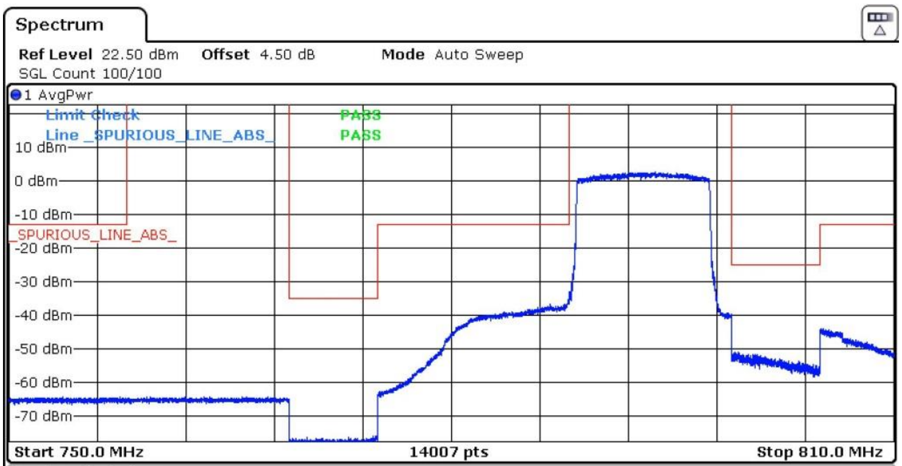
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.67866 MHz	-64.04 dBm	-51.04 dB
758.000 MHz	769.000 MHz	100.000 kHz	762.54898 MHz	-64.18 dBm	-94.18 dB
769.000 MHz	775.000 MHz	6.250 kHz	770.00600 MHz	-76.31 dBm	-41.31 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.96427 MHz	-55.76 dBm	-42.76 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.41954 MHz	19.23 dBm	-10.77 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.82009 MHz	-58.93 dBm	-33.93 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.23063 MHz	-49.38 dBm	-36.38 dB

Ready

Date: 7.OCT.2018 03:46:20

Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.61219 MHz	-64.32 dBm	-51.32 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.08371 MHz	-64.18 dBm	-94.18 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.97751 MHz	-75.65 dBm	-40.65 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99025 MHz	-34.64 dBm	-21.64 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.80785 MHz	2.44 dBm	-27.56 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.21739 MHz	-50.89 dBm	-25.89 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.04373 MHz	-44.05 dBm	-31.05 dB

Ready

Date: 7.OCT.2018 03:49:23