FCC RF Test Report

APPLICANT	**: Motorola Mobility LLC**
EQUIPMENT	**: Mobile Cellular Phone**
BRAND NAME	**: Motorola**
MODEL NAME	**: XT2005-5, XT2005-1PP, XT2005-1**
FCC ID	**: IHDT56YA1**
STANDARD	**: 47 CFR Part 2, 90(R)**
CLASSIFICATION	**: PCS Licensed Transmitter Held to Ear (PCE)**

The product was received on Feb. 21, 2019 and completely tested on May. 09, 2019. 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 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

Approved by: James Huang / Manager

NVLAP TESTING
NVLAP LAB CODE 600155-0

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
FG922110-02D	Rev. 01	Initial issue of report	May 09, 2019

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	PASS	-
	§90.542 (a)(7)	Effective Radiated Power	ERP < 3Watt	PASS	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	PASS	-
3.5	§2.1053 §90.543 (e)(2)(3)	Conducted Band Edge Measurement	Refer standard	PASS	-
3.6	§2.1051 §90.210(n)	Emission Mask	Mask B	PASS	-
3.7	§2.1053 §90.543 (e)(3)	Conducted Spurious Emission	< $43+10\log_{10}$(P[Watts])	PASS	-
3.8	§2.1055 §90.539 (e)	Frequency Stability Temperature & Voltage	< ±1.25 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 26.01 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 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2005-5, XT2005-1PP, XT2005-1
FCC ID	IHDT56YA1
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	22.74 dBm
Type of Modulation	QPSK / 16QAM / 64QAM
IMEI Code	Conducted: N/A Radiation: 352178100007283/352178100007201
HW Version	88941-1-12
SW Version	fastboot_surfna_oem_userdebug_9_PPB29.12_2fc78_intcfg-test-keys_oem
EUT Stage	Identical Prototype

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 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	4M49G7D	-	0.1069	4M49W7D	-	0.0904
10	793	8M93G7D	0.0026	0.1119	8M89W7D	-	0.0962

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	-	0.0703
10	793	8M91W7D	-	0.0740

1.5 Specification of Accessory

Specification of Accessory				
AC Adapter 1	Brand Name	Motorola(Acbel)	Model Name	SC-61
	Power Rating	I/P: 100-240 Vac, 130mA ; O/P: 5Vdc,1000mA		
AC Adapter 2	Brand Name	Motorola (Chenyang)	Model Name	SC-61
	Power Rating	I/P: 100-240 Vac, 130mA ; O/P: 5Vdc,1000mA		
Battery 1	Brand Name	Motorola(ATL)	Model Name	KE40
	Power Rating	3.8Vdc, 2820/3000mAh (Rated/typ)	Type	Li-ion
Battery 2	Brand Name	Motorola(Sunwoda)	Model Name	KE40
	Power Rating	3.8Vdc, 2820/3000mAh (Rated/typ)	Type	Li-ion
USB Cable	Brand Name	Motorola (SaiBao)	Model Name	711310002241
	Signal Line Type	1.0 meter, shielded cable, without ferrite core		

1.6 Testing Site

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

1.7 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
- 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

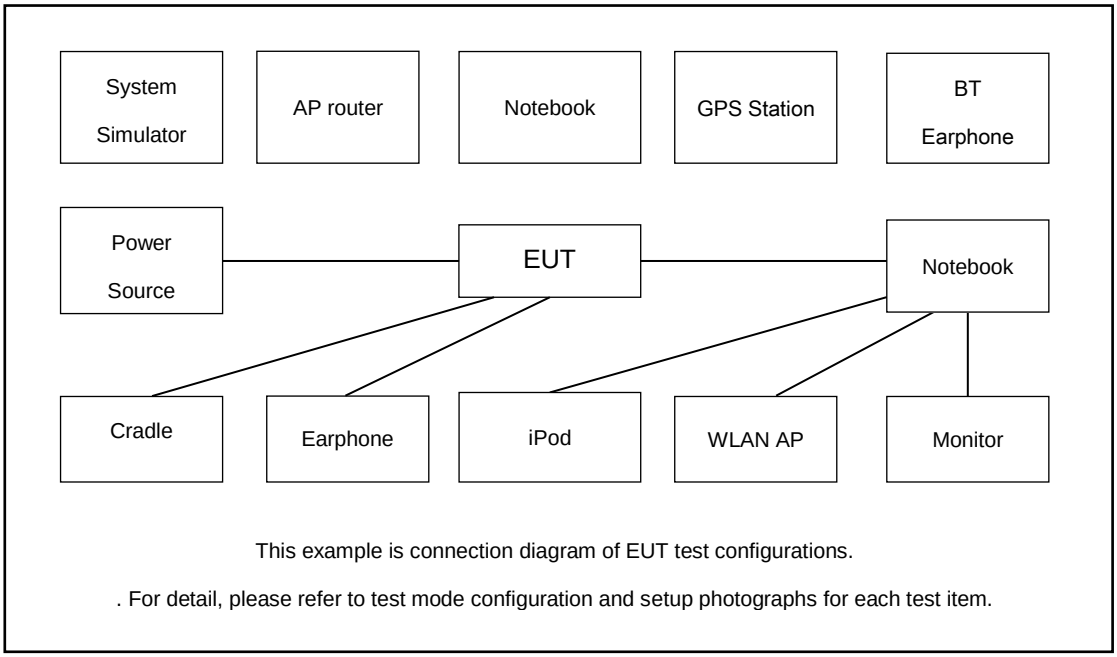
2.1 Test Mode

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
	14	-	-		V	-	-	V	V	V	V	V	V		V	
Peak-to-Average Ratio	14	-	-		V	-	-	V	V	V	V		V		V	
26dB and 99% Bandwidth	14	-	-	V		-	-	V	V	V			V	V	V	V
	14	-	-		V	-	-	V	V	V			V		V	
Conducted Band Edge	14	-	-	V		-	-	V	V	V	V		V	V		V
	14	-	-		V	-	-	V	V	V	V		V		V	
Emission Mask	14	-	-	V		-	-	V	V	V	V		V	V	V	V
	14	-	-		V	-	-	V	V	V	V		V		V	
Conducted Spurious Emission	14	-	-	V		-	-	V	V	V	V			V	V	V
	14	-	-		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
	14	-	-		V	-	-	V	V	V	V				V	
Radiated Spurious Emission	14	-	-	V	V	-	-	V			V				V	
Note	1. The mark "V" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.															

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	Unshielded,1.8m	Unshielded, 1.8 m
2.	DC Power Supply	GW INSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	Lenovo	SH100	N/A	Unshielded,1.2m	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 4.5 dB.

Example :

Offset(dB) = RF cable loss(dB).

= 4.5 (dB)

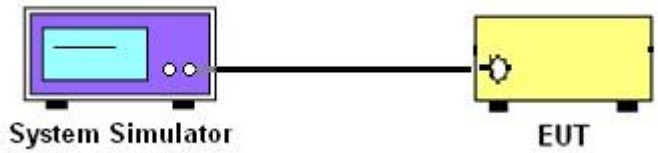
3 Conducted Test Items

3.1 Measuring Instruments

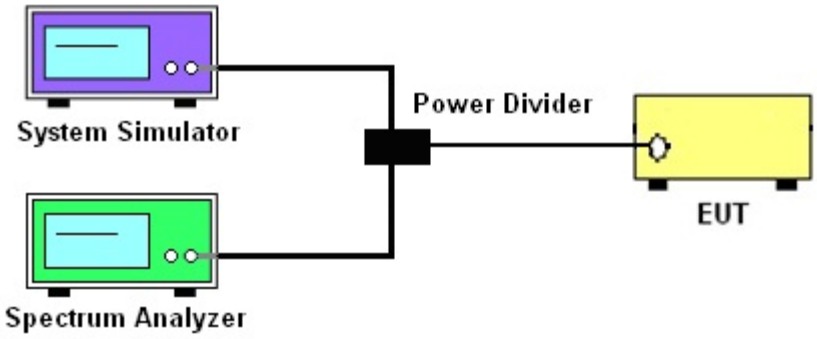
See list of measuring instruments of this test report.

3.1.1 Test Setup

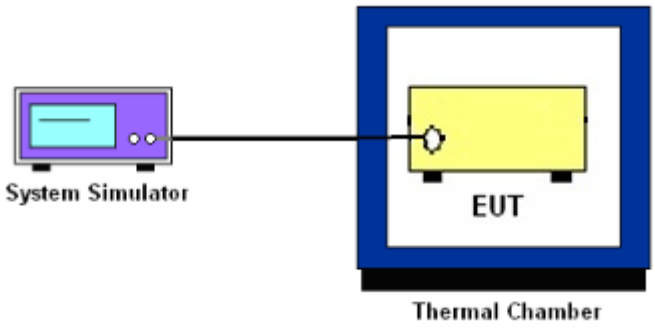
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP

3.2.1 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

3.2.2 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.

3.3 Occupied Bandwidth

3.3.1 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.

3.3.2 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.

3.4 Conducted Band Edge Measurement

3.4.1 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.

3.4.2 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 spectrum analyzer with RMS detector.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. 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.

3.5 Emission Mask

3.5.1 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.

3.5.2 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.

3.6 Conducted Spurious Emission Measurement

3.6.1 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.

3.6.2 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.

3.7 Frequency Stability Measurement

3.7.1 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.

3.7.2 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.

3.7.3 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.

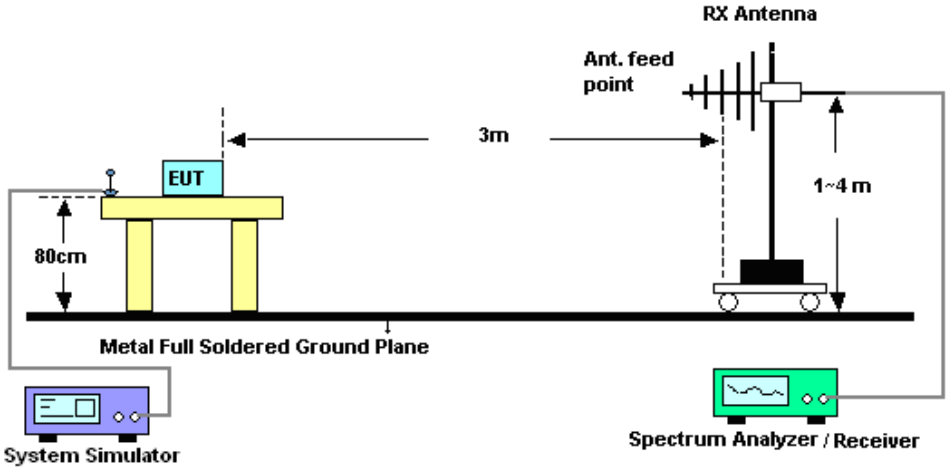
4 Radiated Test Items

4.1 Measuring Instruments

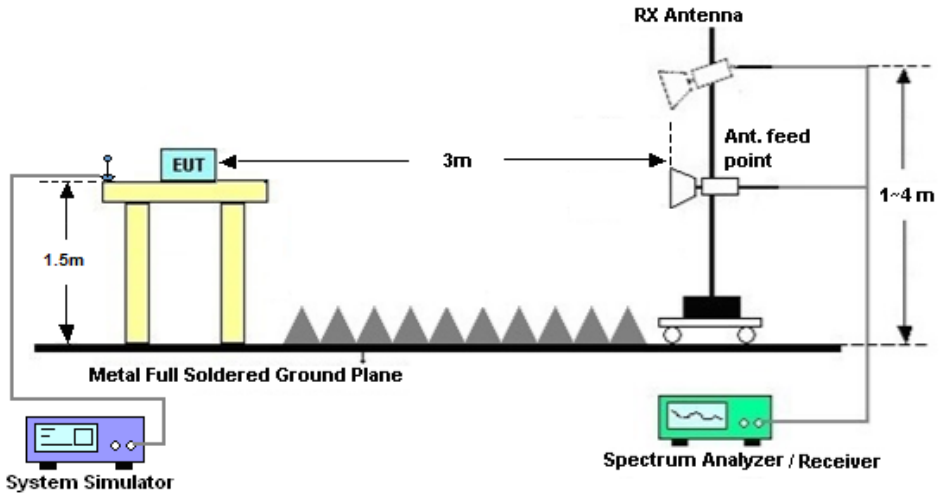
See list of measuring instruments of this test report.

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	100319	10Hz~40GHz	Oct. 11, 2018	Mar. 10, 2019 ~ May. 09, 2019	Oct. 10, 2019	Conducted (TH01-KS)
Thermal Chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jun. 27, 2018	Mar. 10, 2019 ~ May. 09, 2019	Jun. 26, 2019	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471084	10Hz-44GHz	Oct. 09, 2018	Mar. 08, 2019	Oct. 08, 2019	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 28, 2018	Mar. 08, 2019	Dec. 27, 2019	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 20, 2018	Mar. 08, 2019	Oct. 19, 2019	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2019	Mar. 08, 2019	Jan. 04, 2020	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	187289	9KHz ~1GHZ	Aug. 06, 2018	Mar. 08, 2019	Aug. 05, 2019	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-10P	2025788	1Ghz-18Ghz	Apr. 17, 2018	Mar. 08, 2019	Apr. 16, 2019	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5GHz	Apr. 18, 2018	Mar. 08, 2019	Apr. 17, 2019	Radiation (03CH06-KS)
Amplifier	MITEQ	TTA1840-35 -HG	2014749	18~40GHz	Jan. 14, 2019	Mar. 08, 2019	Jan. 13, 2020	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Mar. 08, 2019	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Mar. 08, 2019	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Mar. 08, 2019	NCR	Radiation (03CH06-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

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

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

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

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	22.53	22.47	22.35
5	1	12		22.35	22.44	22.47
5	1	24		22.54	22.51	22.53
5	12	0		21.56	21.59	21.60
5	12	7		21.54	21.54	21.54
5	12	13		21.52	21.52	21.53
5	25	0		21.54	21.55	21.58
5	1	0	16-QAM	21.71	21.75	21.80
5	1	12		21.67	21.73	21.81
5	1	24		21.75	21.77	21.75
5	12	0		20.58	20.67	20.60
5	12	7		20.63	20.60	20.60
5	12	13		20.57	20.59	20.62
5	25	0		20.47	20.49	20.53
5	1	0	64QAM	20.53	20.67	20.69
5	1	12		20.58	20.66	20.63
5	1	24		20.72	20.68	20.66
5	12	0		19.53	19.57	19.61
5	12	7		19.59	19.58	19.58
5	12	13		19.58	19.58	19.58
5	25	0		19.48	19.57	19.55

LTE Band 14 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		22.74	
10	1	25			22.51	
10	1	49			22.70	
10	25	0			21.66	
10	25	12			21.63	
10	25	25			21.62	
10	50	0			21.48	
10	1	0	16-QAM		22.08	
10	1	25			21.93	
10	1	49			21.97	
10	25	0			20.64	
10	25	12			20.56	
10	25	25			20.54	
10	50	0			20.59	
10	1	0	64QAM		20.90	
10	1	25			20.75	
10	1	49			20.94	
10	25	0			19.67	
10	25	12			19.59	
10	25	25			19.60	
10	50	0			19.51	

ERP

LTE Band 14 (G_T - L_C = -0.10 dBi) QPSK						
Bandwidth	5M			10M		
Channel	23305	23330	23355		23330	
	(Low)	(Mid)	(High)		(Mid)	
Frequency (MHz)	790.5	793	795.5		793	
Conducted Power (dBm)	22.54	22.51	22.53		22.74	
Conducted Power (Watts)	0.1795	0.1782	0.1791		0.1879	
ERP(dBm)	20.29	20.26	20.28		20.49	
ERP(Watts)	0.1069	0.1062	0.1067		0.1119	

LTE Band 14 (G_T - L_C = -0.10 dBi) 16QAM						
Bandwidth	5M			10M		
Channel	23305	23330	23355		23330	
	(Low)	(Mid)	(High)		(Mid)	
Frequency (MHz)	790.5	793	795.5		793	
Conducted Power (dBm)	21.67	21.73	21.81		22.08	
Conducted Power (Watts)	0.1469	0.1489	0.1517		0.1614	
ERP(dBm)	19.42	19.48	19.56		19.83	
ERP(Watts)	0.0875	0.0887	0.0904		0.0962	

LTE Band 14 (G_T - L_C = -0.10 dBi) 64QAM						
Bandwidth	**5M**				**10M**	
Channel	**23305**	**23330**	**23355**		**23330**	
	(Low)	**(Mid)**	**(High)**		**(Mid)**	
Frequency (MHz)	**790.5**	**793**	**795.5**		**793**	
Conducted Power (dBm)	20.72	20.68	20.66		20.94	
Conducted Power (Watts)	0.1180	0.1169	0.1164		0.1242	
ERP(dBm)	18.47	18.43	18.41		18.69	
ERP(Watts)	0.0703	0.0697	0.0693		0.0740	

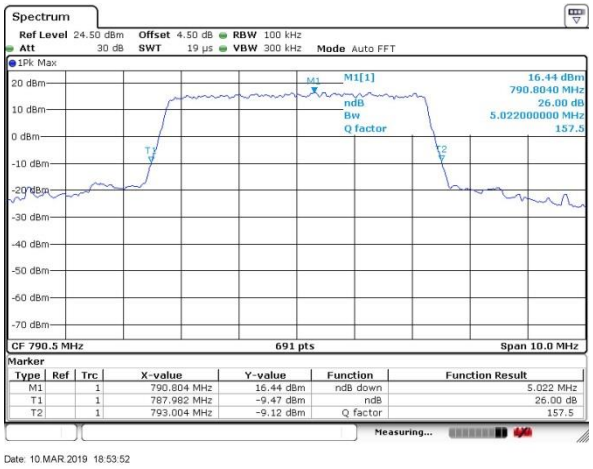
LTE Band 14

26dB Bandwidth

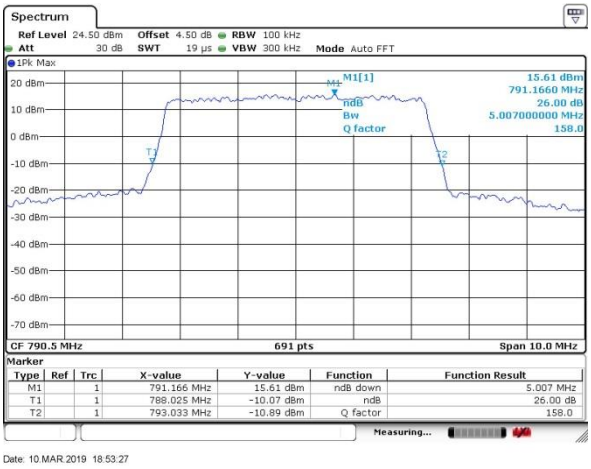
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	5.022	5.007			5.007							
Middle CH	5.022	5.007	9.667	9.609	5.022	9.667						
Highest CH	5.022	5.022			5.022							

LTE Band 14

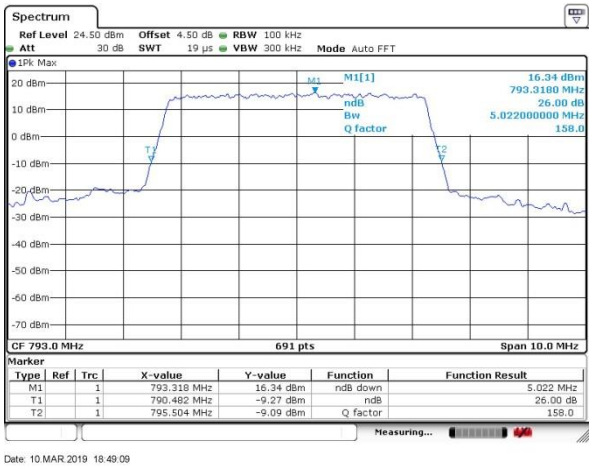
Lowest Channel / 5MHz / QPSK



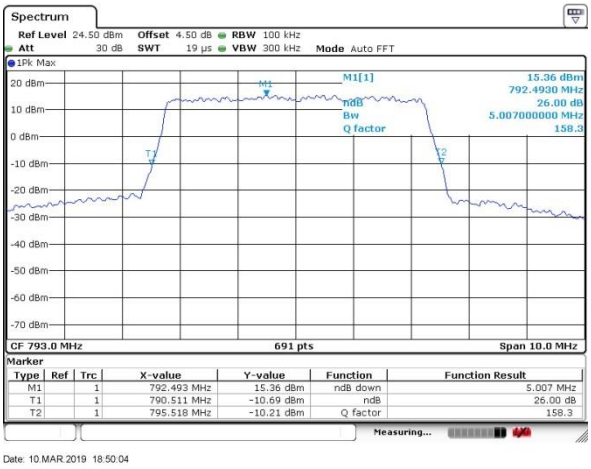
Lowest Channel / 5MHz / 16QAM



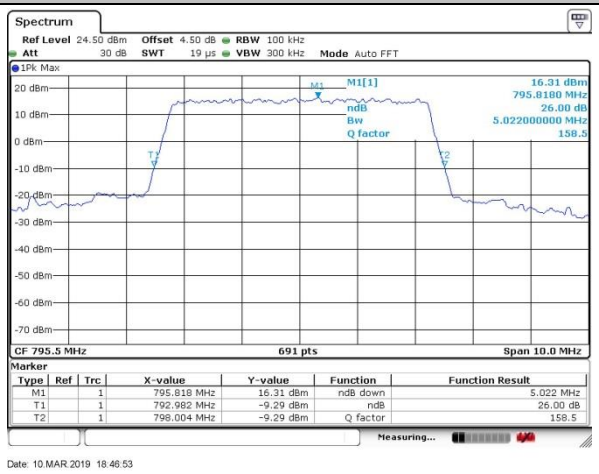
Middle Channel / 5MHz / QPSK



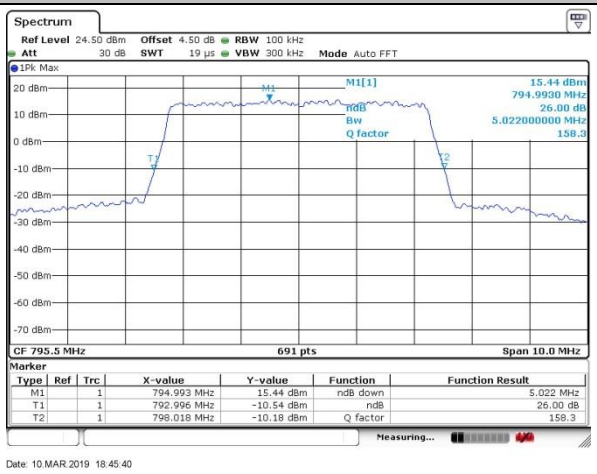
Middle Channel / 5MHz / 16QAM

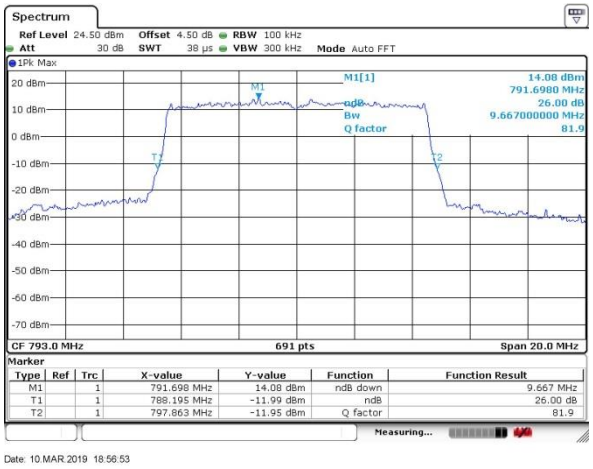
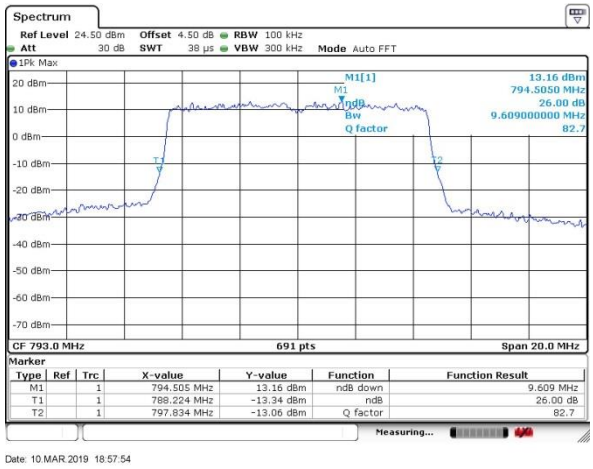


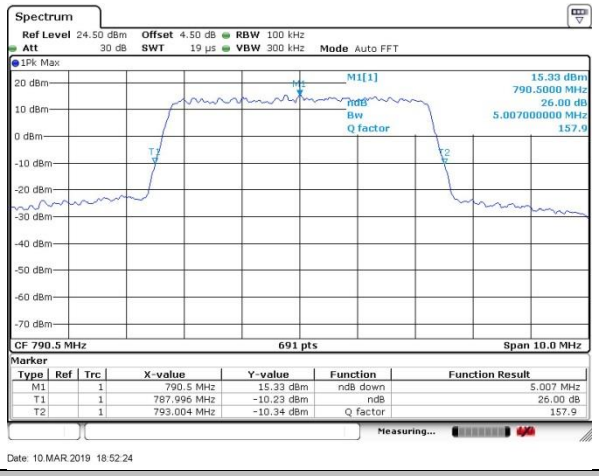
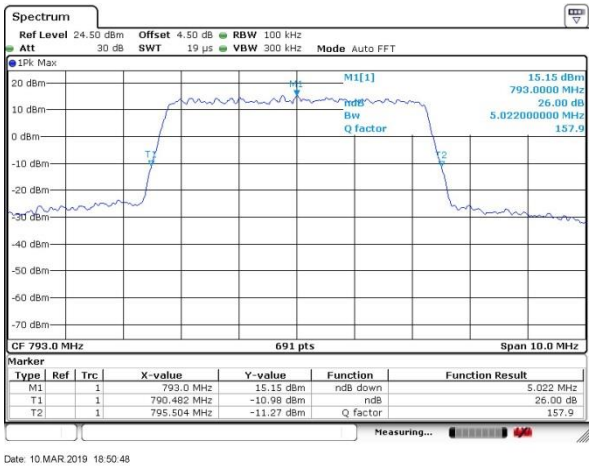
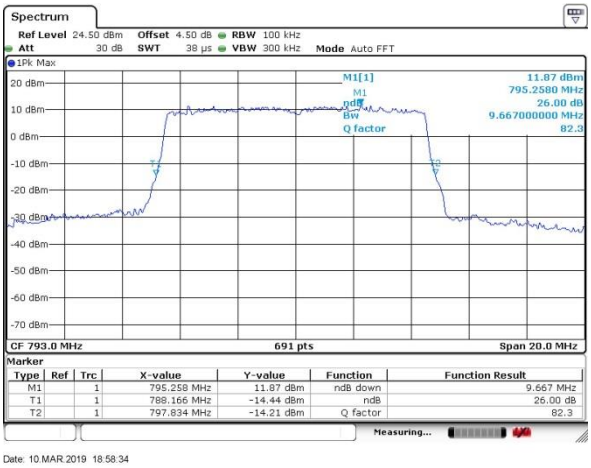
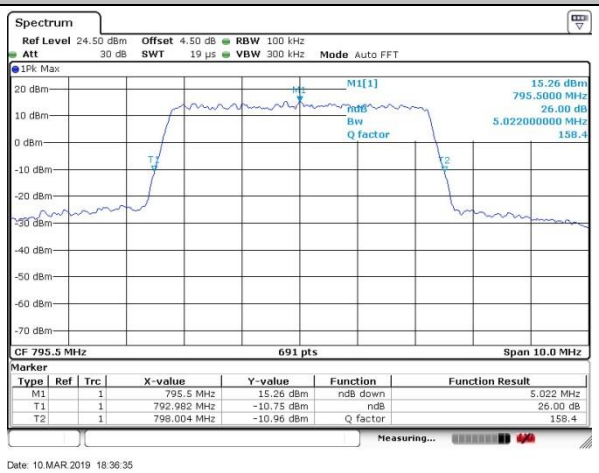
Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM



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

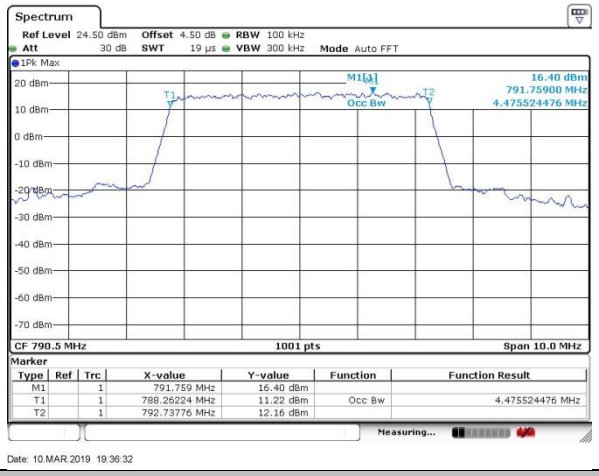
LTE Band 14	
Lowest Channel / 5MHz / 64QAM	
	
Middle Channel / 5MHz / 64QAM	**Middle Channel /10MHz / 64QAM**
	
Highest Channel /5MHz / 64QAM	
	

Occupied Bandwidth

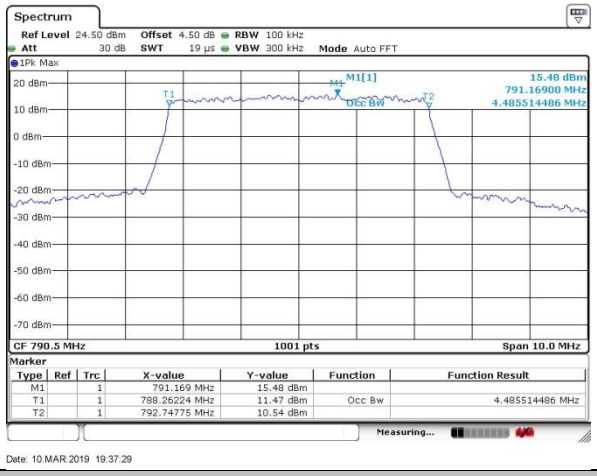
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.48	4.49			4.50							
Middle CH	4.49	4.48	8.93	8.89	4.50	8.91						
Highest CH	4.49	4.48			4.50							

LTE Band 14

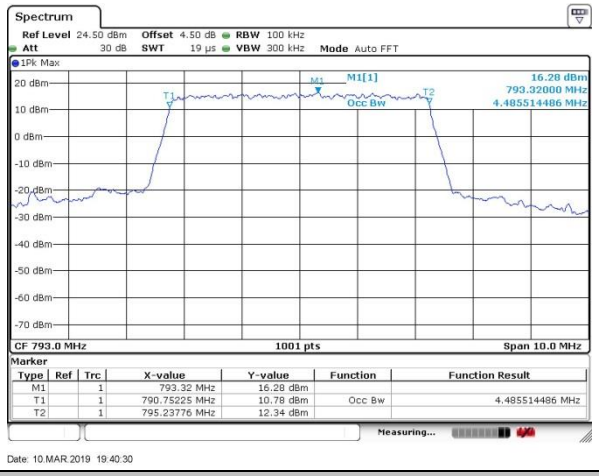
Lowest Channel / 5MHz / QPSK



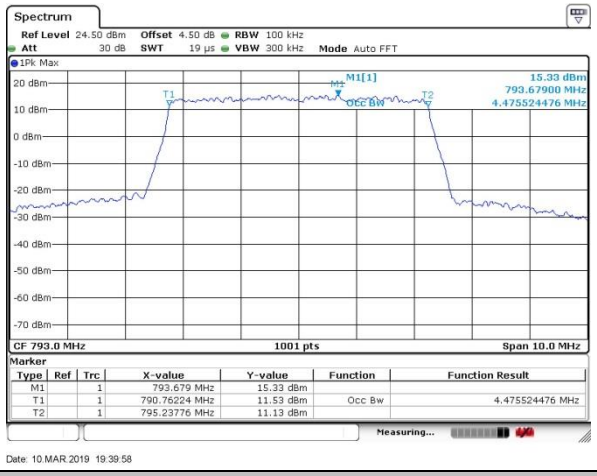
Lowest Channel / 5MHz / 16QAM



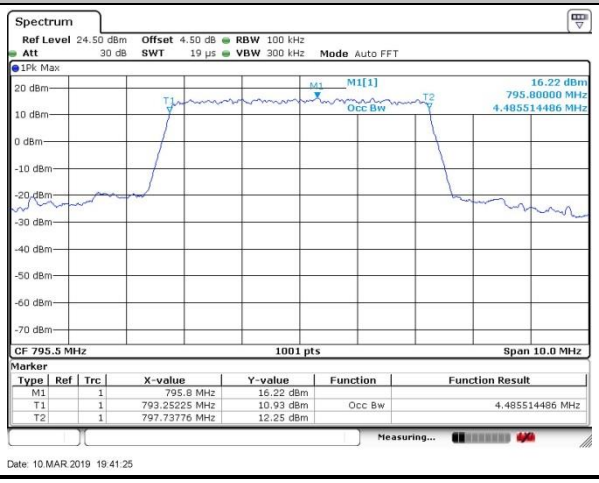
Middle Channel / 5MHz / QPSK



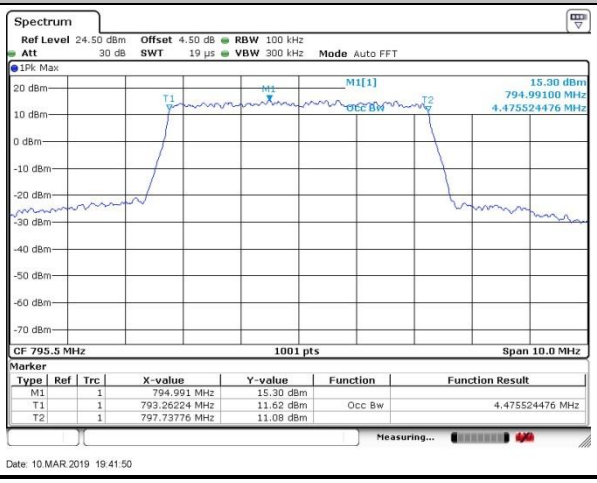
Middle Channel / 5MHz / 16QAM

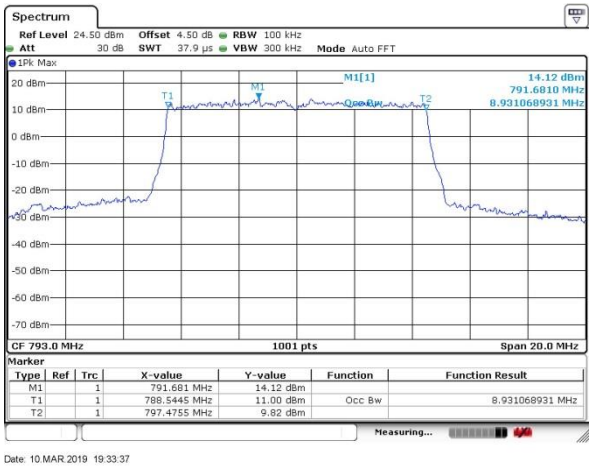
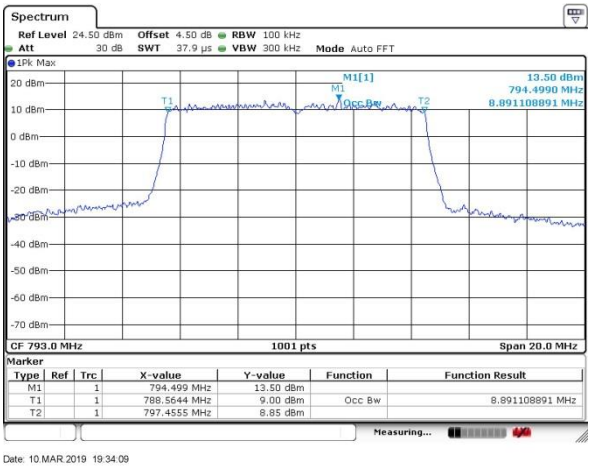


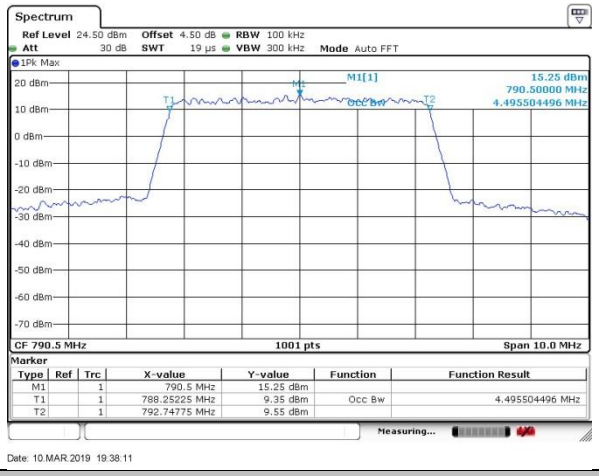
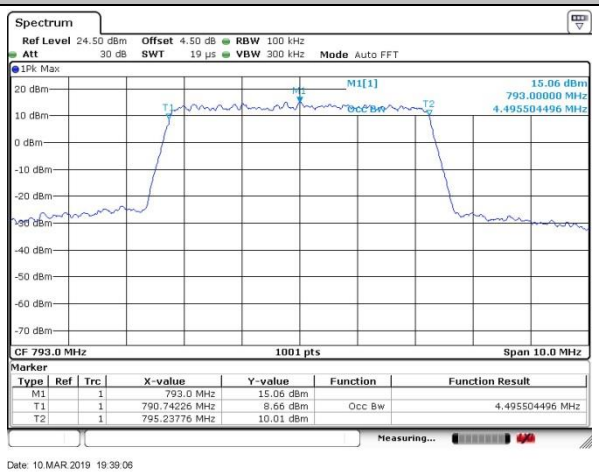
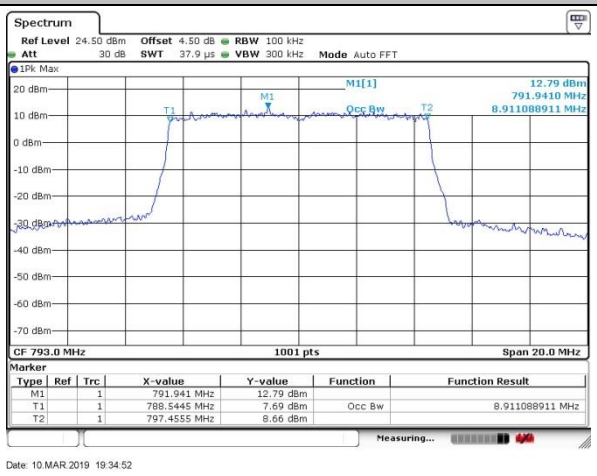
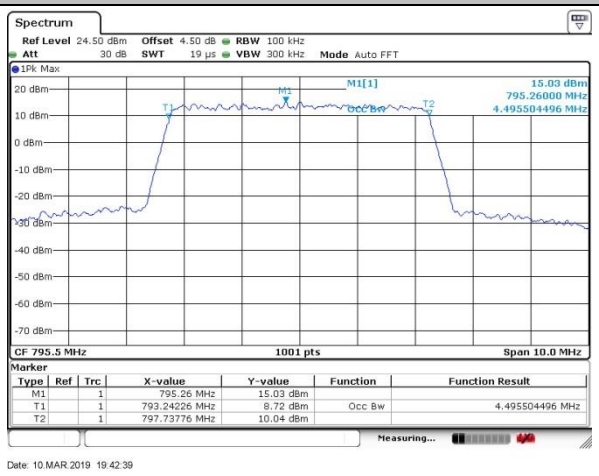
Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM



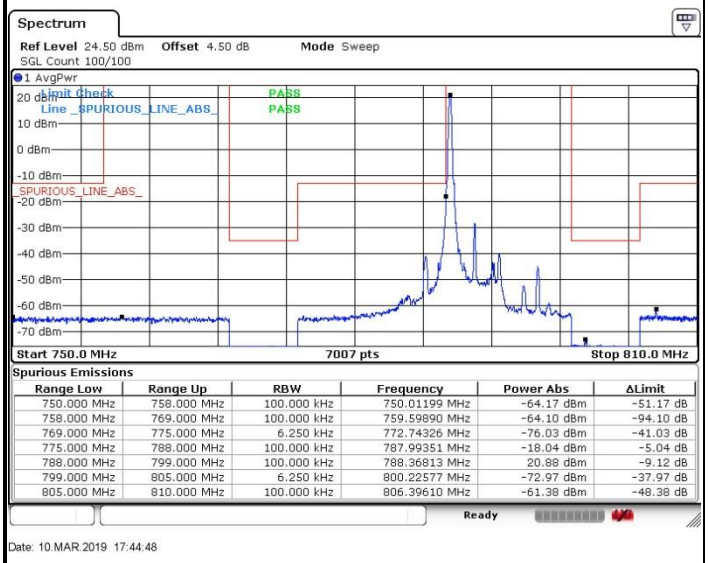
LTE Band 14	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 14	
Lowest Channel / 5MHz / 64QAM	
	
Middle Channel / 5MHz / 64QAM	**Middle Channel /10MHz / 64QAM**
	
Highest Channel /5MHz / 64QAM	
	

Conducted Band Edge

LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB

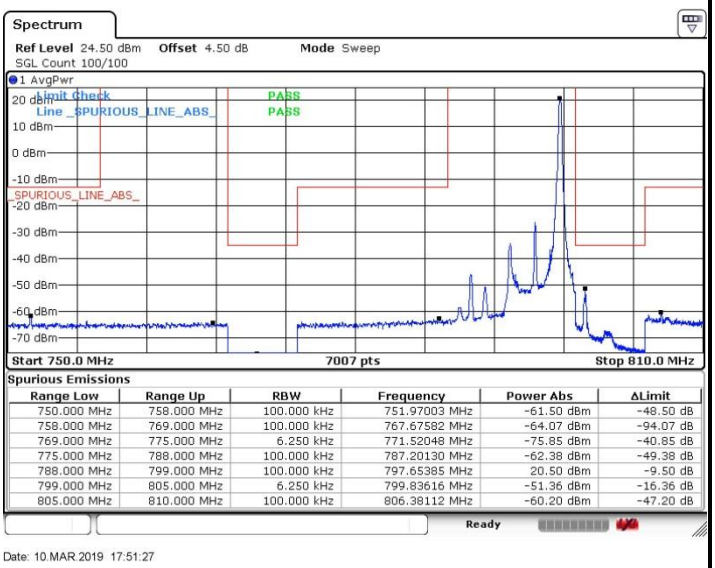


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	750.01199 MHz	-64.17 dBm	-51.17 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.59890 MHz	-64.10 dBm	-94.10 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.74326 MHz	-76.03 dBm	-41.03 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-18.04 dBm	-5.04 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.36813 MHz	20.88 dBm	-9.12 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.22577 MHz	-72.97 dBm	-37.97 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.39610 MHz	-61.38 dBm	-48.38 dB

Date: 10.MAR.2019 17:44:48

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	751.97003 MHz	-61.50 dBm	-48.50 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.67582 MHz	-64.07 dBm	-94.07 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.52048 MHz	-75.85 dBm	-40.85 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.20130 MHz	-62.38 dBm	-49.38 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.65385 MHz	20.50 dBm	-9.50 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.83616 MHz	-51.36 dBm	-16.36 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.38112 MHz	-60.20 dBm	-47.20 dB

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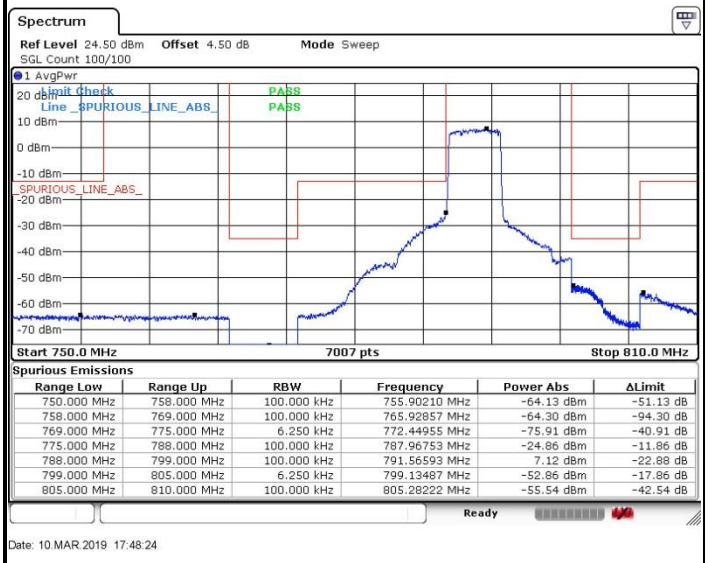
Lowest Band Edge / Full RB

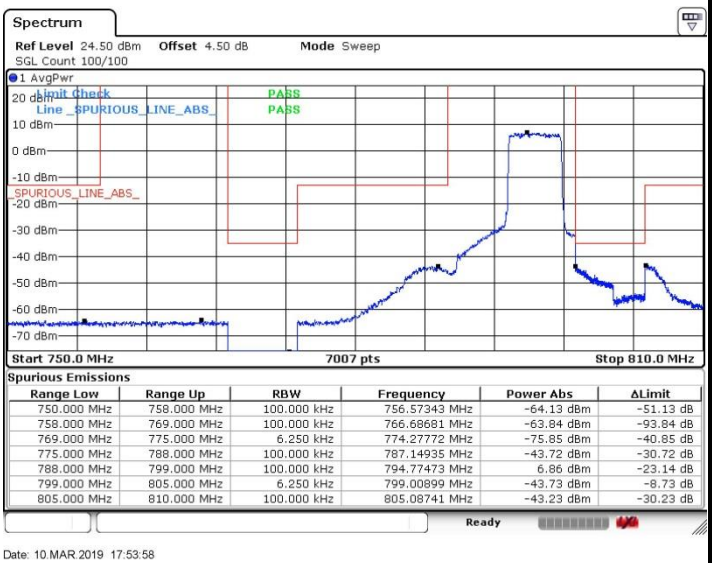


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.90210 MHz	-64.13 dBm	-51.13 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.92857 MHz	-64.30 dBm	-94.30 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.44955 MHz	-75.91 dBm	-40.91 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.96753 MHz	-24.86 dBm	-11.86 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.56593 MHz	7.12 dBm	-22.88 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.13487 MHz	-52.86 dBm	-17.86 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.28222 MHz	-55.54 dBm	-42.54 dB

Date: 10.MAR.2019 17:48:24

Highest Band Edge / Full RB



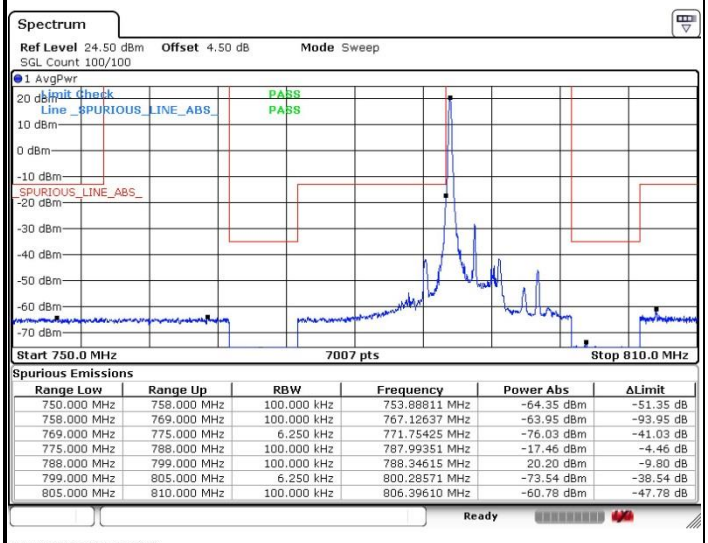
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.57343 MHz	-64.13 dBm	-51.13 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.68681 MHz	-63.84 dBm	-93.84 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.27772 MHz	-75.85 dBm	-40.85 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.14935 MHz	-43.72 dBm	-30.72 dB
788.000 MHz	799.000 MHz	100.000 kHz	794.77473 MHz	6.86 dBm	-23.14 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.00899 MHz	-43.73 dBm	-8.73 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.08741 MHz	-43.23 dBm	-30.23 dB

Date: 10.MAR.2019 17:53:58

LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge /1 RB

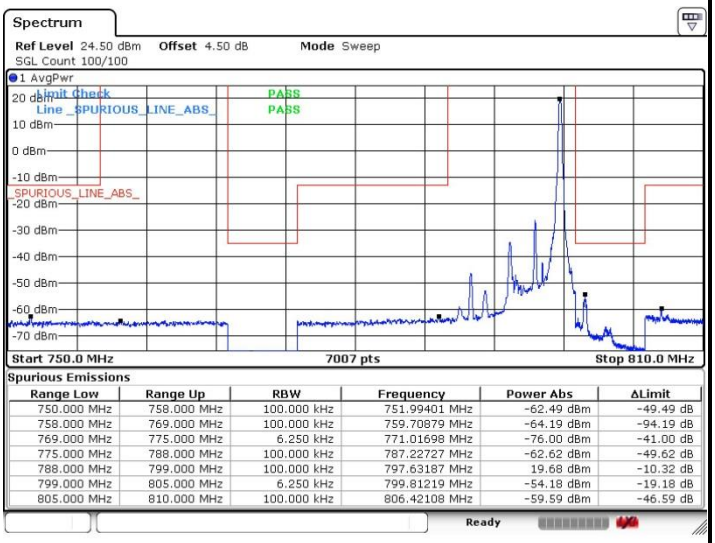


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.88811 MHz	-64.35 dBm	-51.35 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.12637 MHz	-63.95 dBm	-93.95 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.75425 MHz	-76.03 dBm	-41.03 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-17.46 dBm	-4.46 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.34615 MHz	20.20 dBm	-9.80 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.28571 MHz	-73.54 dBm	-38.54 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.39610 MHz	-60.78 dBm	-47.78 dB

Date: 10.MAR.2019 17:46:23

Highest Band Edge / 1 RB

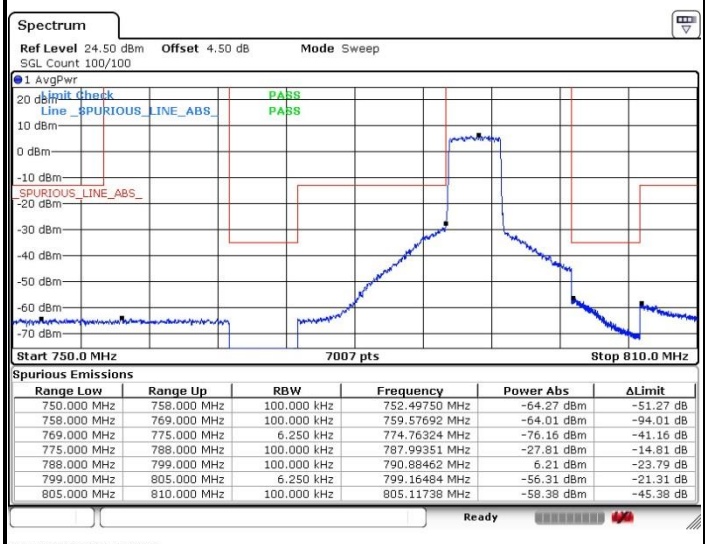


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.99401 MHz	-62.49 dBm	-49.49 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.70879 MHz	-64.19 dBm	-94.19 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.01698 MHz	-76.00 dBm	-41.00 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.22727 MHz	-62.62 dBm	-49.62 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.63187 MHz	19.68 dBm	-10.32 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.81219 MHz	-54.18 dBm	-19.18 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.42108 MHz	-59.59 dBm	-46.59 dB

Date: 10.MAR.2019 17:52:21

Lowest Band Edge / Full RB

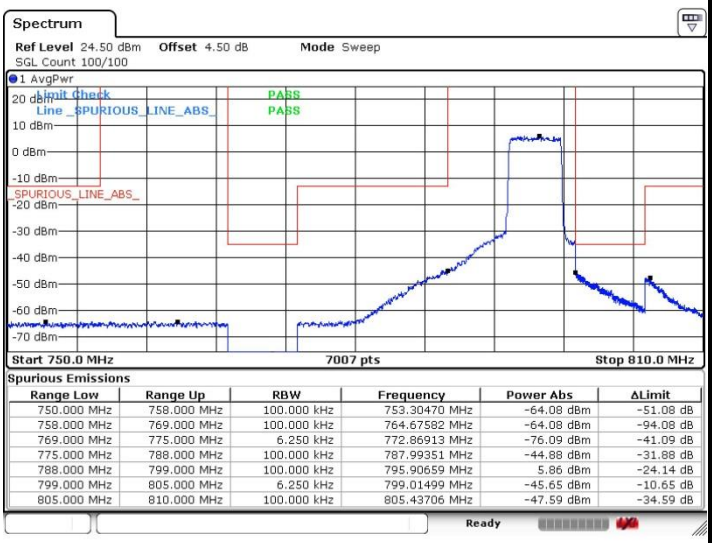


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	752.49750 MHz	-64.27 dBm	-51.27 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.57692 MHz	-64.01 dBm	-94.01 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.76324 MHz	-76.16 dBm	-41.16 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-27.81 dBm	-14.81 dB
788.000 MHz	799.000 MHz	100.000 kHz	790.88462 MHz	6.21 dBm	-23.79 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.16484 MHz	-56.31 dBm	-21.31 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.11738 MHz	-58.38 dBm	-45.38 dB

Date: 10.MAR.2019 17:49:04

Highest Band Edge / Full RB



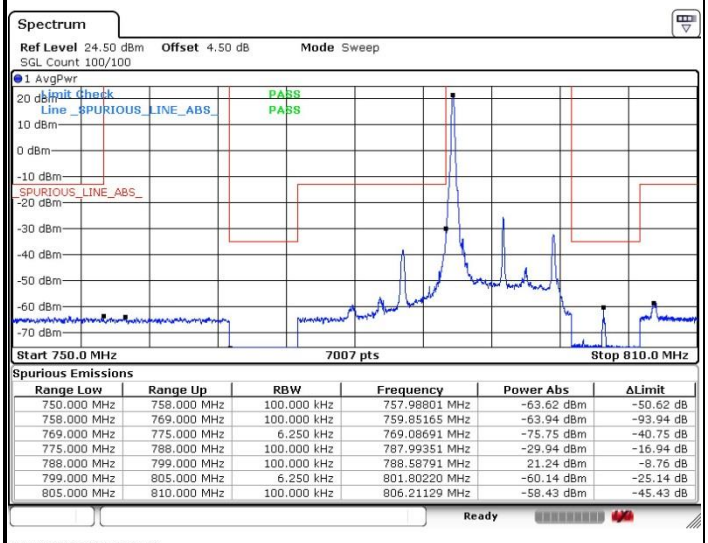
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.30470 MHz	-64.08 dBm	-51.08 dB
758.000 MHz	769.000 MHz	100.000 kHz	764.67582 MHz	-64.08 dBm	-94.08 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.86913 MHz	-76.09 dBm	-41.09 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-44.88 dBm	-31.88 dB
788.000 MHz	799.000 MHz	100.000 kHz	795.90659 MHz	5.86 dBm	-24.14 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.01499 MHz	-45.65 dBm	-10.65 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.43706 MHz	-47.59 dBm	-34.59 dB

Date: 10.MAR.2019 17:54:41

LTE Band 14 / 10MHz / QPSK

Lowest Band Edge / 1 RB

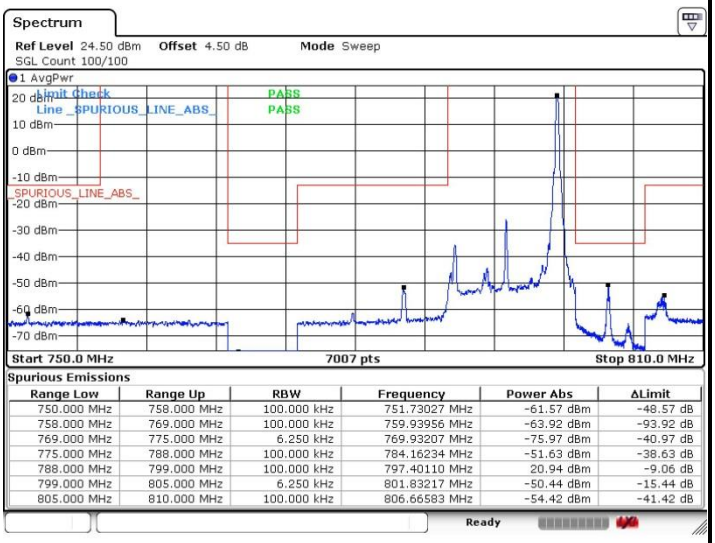


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.98801 MHz	-63.62 dBm	-50.62 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.85165 MHz	-63.94 dBm	-93.94 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.08691 MHz	-75.75 dBm	-40.75 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-29.94 dBm	-16.94 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.58791 MHz	21.24 dBm	-8.76 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.80220 MHz	-60.14 dBm	-25.14 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.21129 MHz	-58.43 dBm	-45.43 dB

Date: 10.MAR.2019 17:40:48

Highest Band Edge / 1 RB

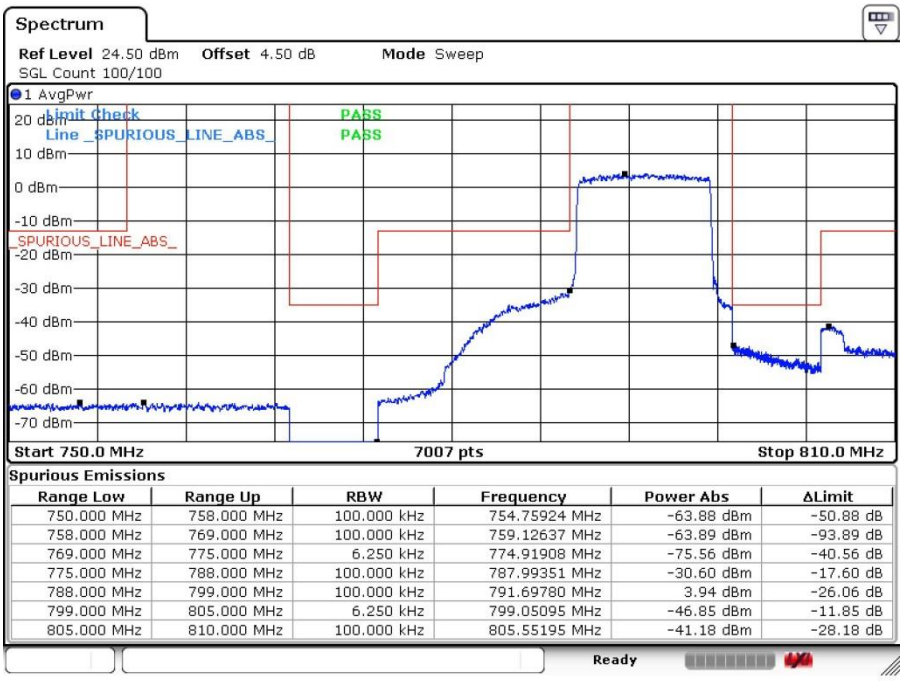


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.73027 MHz	-61.57 dBm	-48.57 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.93956 MHz	-63.92 dBm	-93.92 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.93207 MHz	-75.97 dBm	-40.97 dB
775.000 MHz	788.000 MHz	100.000 kHz	784.16234 MHz	-51.63 dBm	-38.63 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.40110 MHz	20.94 dBm	-9.06 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.83217 MHz	-50.44 dBm	-15.44 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.66583 MHz	-54.42 dBm	-41.42 dB

Date: 10.MAR.2019 17:33:45

Band Edge / Full RB



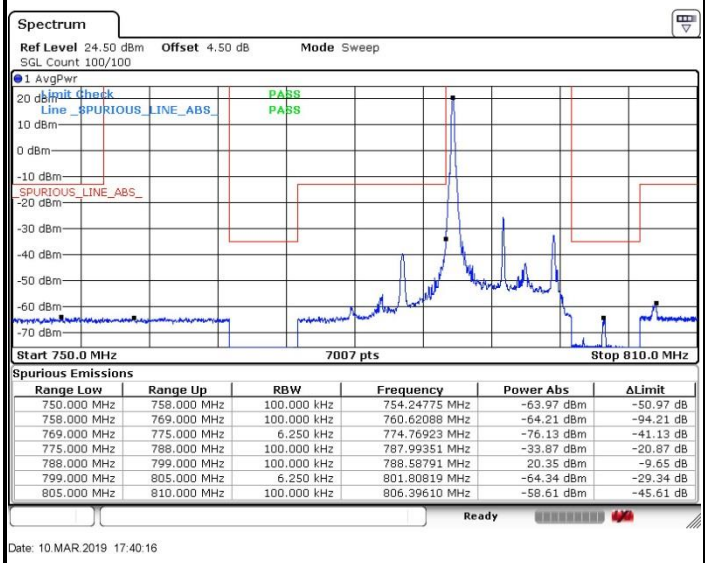
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.75924 MHz	-63.88 dBm	-50.88 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.12637 MHz	-63.89 dBm	-93.89 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.91908 MHz	-75.56 dBm	-40.56 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-30.60 dBm	-17.60 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.69780 MHz	3.94 dBm	-26.06 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.05095 MHz	-46.85 dBm	-11.85 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.55195 MHz	-41.18 dBm	-28.18 dB

Date: 10.MAR.2019 17:41:31

LTE Band 14 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

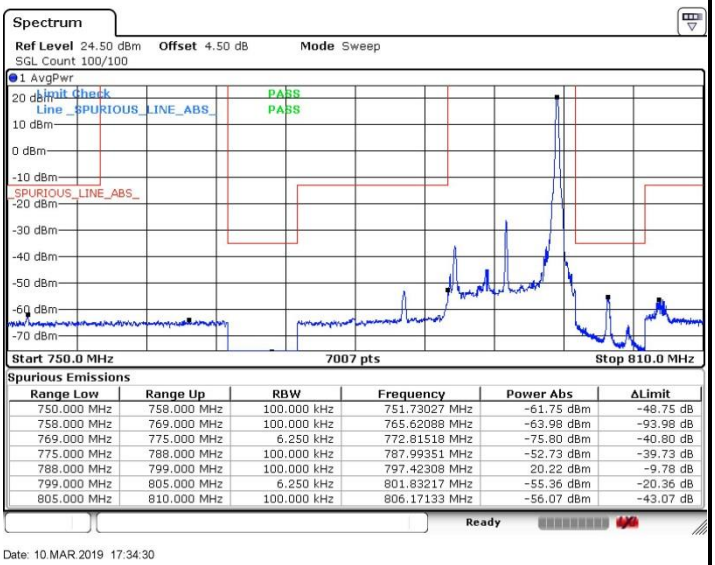


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.24775 MHz	-63.97 dBm	-50.97 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.62088 MHz	-64.21 dBm	-94.21 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.76923 MHz	-76.13 dBm	-41.13 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-33.87 dBm	-20.87 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.58791 MHz	20.35 dBm	-9.65 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.80819 MHz	-64.34 dBm	-29.34 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.39610 MHz	-58.61 dBm	-45.61 dB

Date: 10.MAR.2019 17:40:16

Highest Band Edge / 1 RB

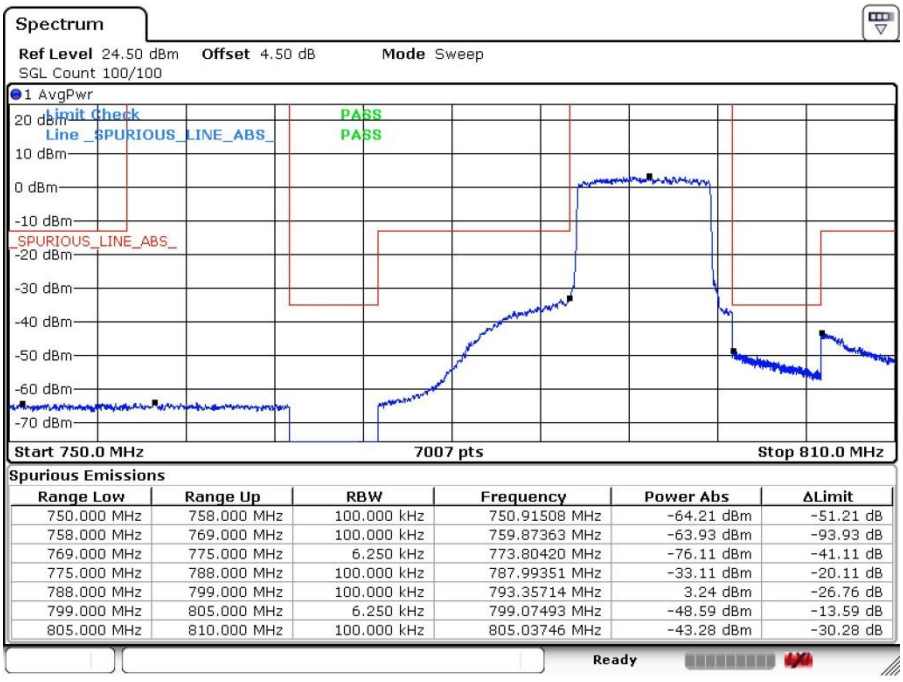


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.73027 MHz	-61.75 dBm	-48.75 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.62088 MHz	-63.98 dBm	-93.98 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.81518 MHz	-75.80 dBm	-40.80 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-52.73 dBm	-39.73 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.42308 MHz	20.22 dBm	-9.78 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.83217 MHz	-55.36 dBm	-20.36 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.17133 MHz	-56.07 dBm	-43.07 dB

Date: 10.MAR.2019 17:34:30

Band Edge / Full RB



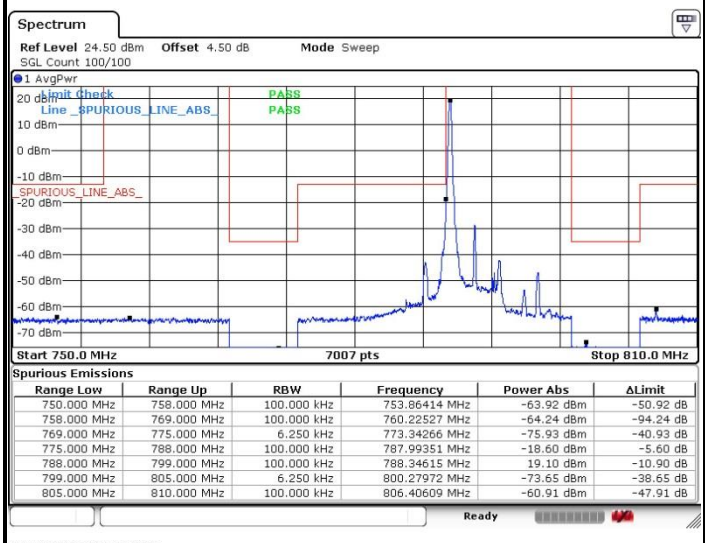
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	750.91508 MHz	-64.21 dBm	-51.21 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.87363 MHz	-63.93 dBm	-93.93 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.80420 MHz	-76.11 dBm	-41.11 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-33.11 dBm	-20.11 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.35714 MHz	3.24 dBm	-26.76 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.07493 MHz	-48.59 dBm	-13.59 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.03746 MHz	-43.28 dBm	-30.28 dB

Date: 10.MAR.2019 17:42:12

LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

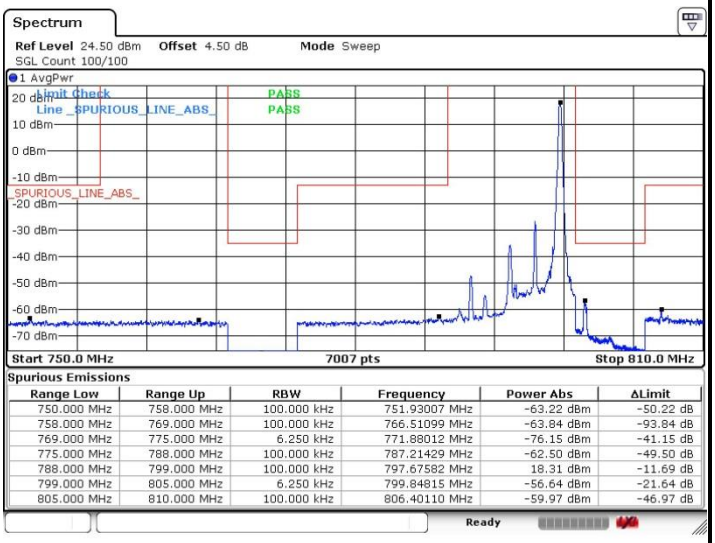


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.86414 MHz	-63.92 dBm	-50.92 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.22527 MHz	-64.24 dBm	-94.24 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.34266 MHz	-75.93 dBm	-40.93 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-18.60 dBm	-5.60 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.34615 MHz	19.10 dBm	-10.90 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.27972 MHz	-73.65 dBm	-38.65 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.40609 MHz	-60.91 dBm	-47.91 dB

Date: 10.MAR.2019 17:47:09

Highest Band Edge / 1 RB

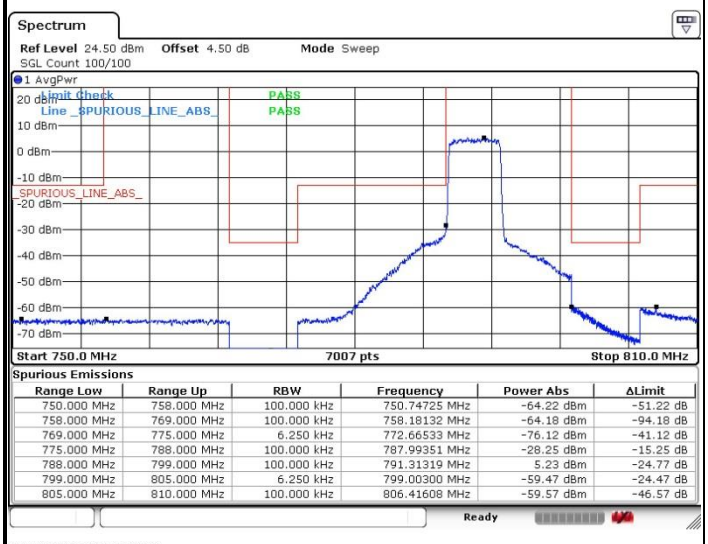


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.93007 MHz	-63.22 dBm	-50.22 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.51099 MHz	-63.84 dBm	-93.84 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.88012 MHz	-76.15 dBm	-41.15 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.21429 MHz	-62.50 dBm	-49.50 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.67582 MHz	18.31 dBm	-11.69 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.84815 MHz	-56.64 dBm	-21.64 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.40110 MHz	-59.97 dBm	-46.97 dB

Date: 10.MAR.2019 17:53:08

Lowest Band Edge / Full RB

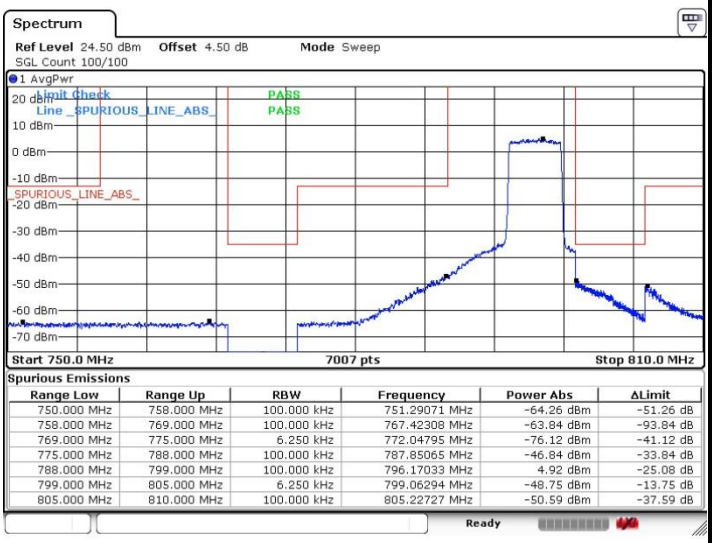


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	750.74725 MHz	-64.22 dBm	-51.22 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.18132 MHz	-64.18 dBm	-94.18 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.66533 MHz	-76.12 dBm	-41.12 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-28.25 dBm	-15.25 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.31319 MHz	5.23 dBm	-24.77 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.00300 MHz	-59.47 dBm	-24.47 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.41608 MHz	-59.57 dBm	-46.57 dB

Date: 10.MAR.2019 17:49:57

Highest Band Edge / Full RB



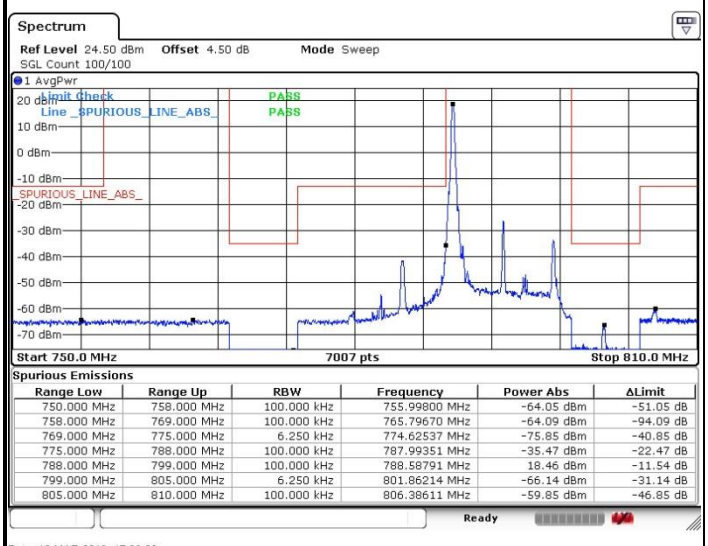
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.29071 MHz	-64.26 dBm	-51.26 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.42308 MHz	-63.84 dBm	-93.84 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.04795 MHz	-76.12 dBm	-41.12 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.85065 MHz	-46.84 dBm	-33.84 dB
788.000 MHz	799.000 MHz	100.000 kHz	796.17033 MHz	4.92 dBm	-25.08 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.06294 MHz	-48.75 dBm	-13.75 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.22727 MHz	-50.59 dBm	-37.59 dB

Date: 10.MAR.2019 17:55:47

LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

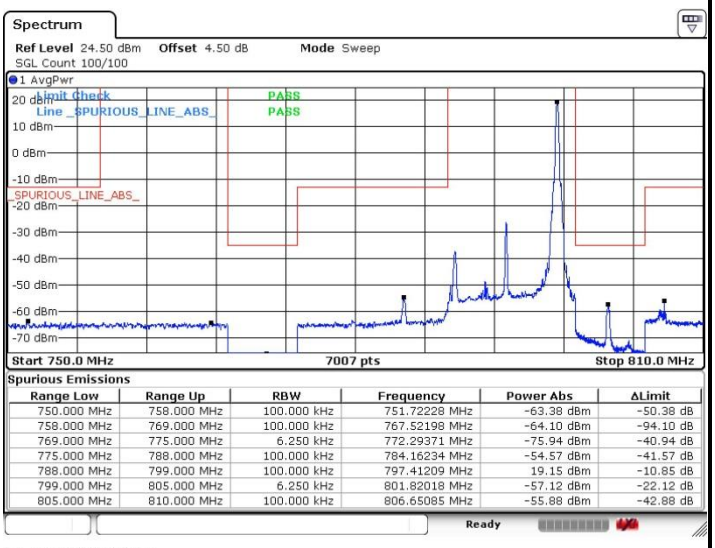


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.99800 MHz	-64.05 dBm	-51.05 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.79670 MHz	-64.09 dBm	-94.09 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.62537 MHz	-75.85 dBm	-40.85 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-35.47 dBm	-22.47 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.58791 MHz	18.46 dBm	-11.54 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.86214 MHz	-66.14 dBm	-31.14 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.38611 MHz	-59.85 dBm	-46.85 dB

Date: 10.MAR.2019 17:38:06

Highest Band Edge / 1 RB

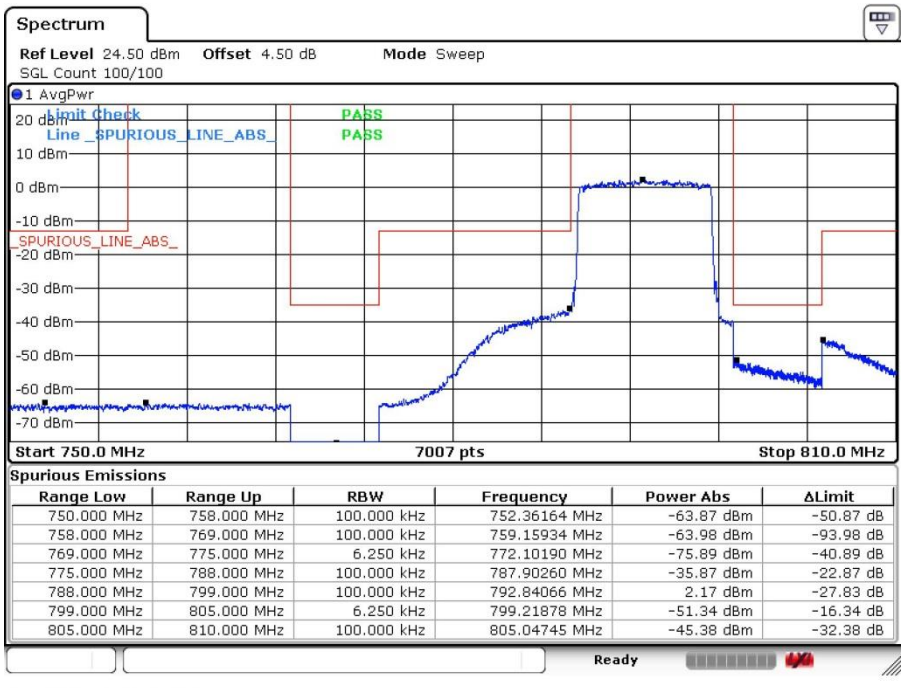


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.72228 MHz	-63.38 dBm	-50.38 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.52198 MHz	-64.10 dBm	-94.10 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.29371 MHz	-75.94 dBm	-40.94 dB
775.000 MHz	788.000 MHz	100.000 kHz	784.16234 MHz	-54.57 dBm	-41.57 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.41209 MHz	19.15 dBm	-10.85 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.82018 MHz	-57.12 dBm	-22.12 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.65085 MHz	-55.88 dBm	-42.88 dB

Date: 10.MAR.2019 17:35:01

Band Edge / Full RB



Spurious Emissions

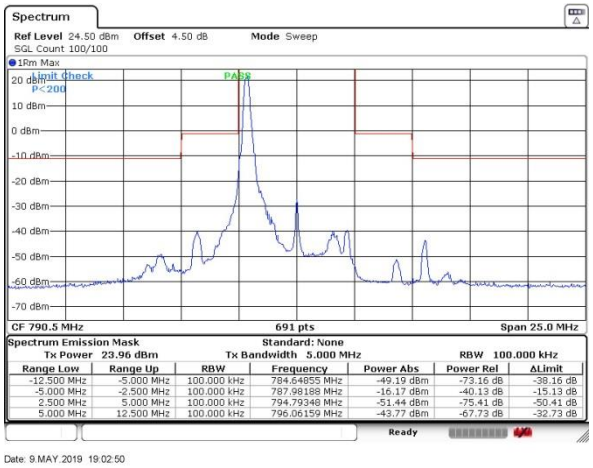
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	752.36164 MHz	-63.87 dBm	-50.87 dB
758.000 MHz	769.000 MHz	100.000 kHz	759.15934 MHz	-63.98 dBm	-93.98 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.10190 MHz	-75.89 dBm	-40.89 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.90260 MHz	-35.87 dBm	-22.87 dB
788.000 MHz	799.000 MHz	100.000 kHz	792.84066 MHz	2.17 dBm	-27.83 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.21878 MHz	-51.34 dBm	-16.34 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.04745 MHz	-45.38 dBm	-32.38 dB

Date: 10.MAR.2019 17:43:03

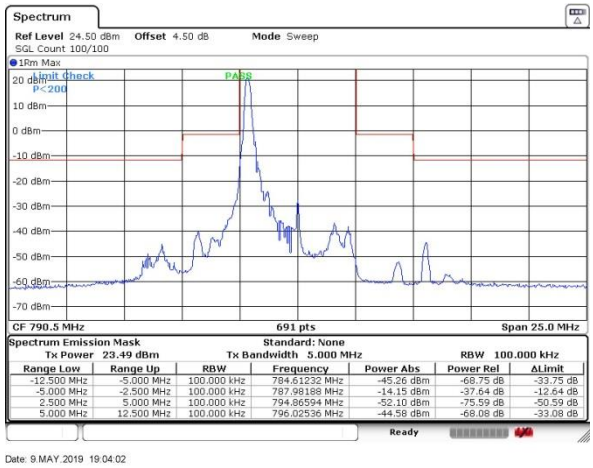
Emission Mask

LTE Band 14/ 5M(1RB0)

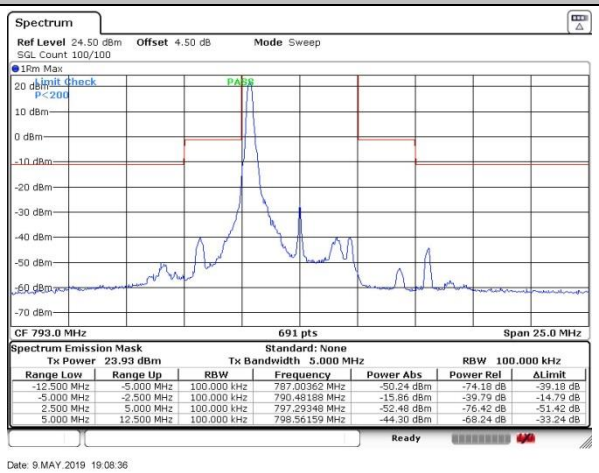
Lowest Channel / 5MHz / QPSK



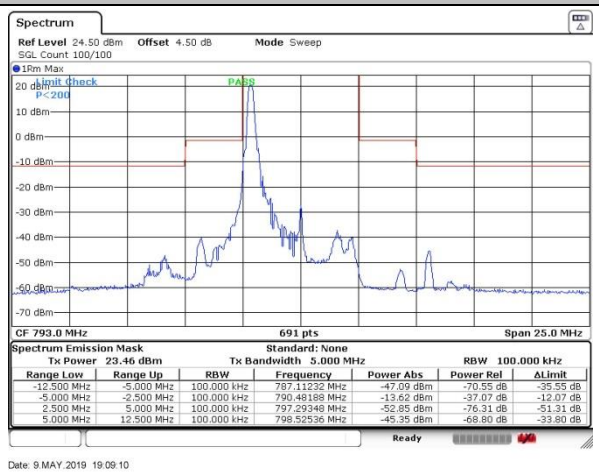
Lowest Channel / 5MHz / 16QAM



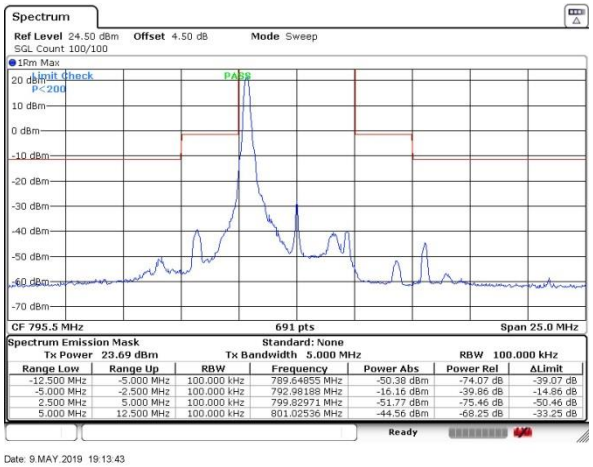
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM