FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	Motorola,Lenovo
MODEL NAME	:	XT2095-3, XT2095-4
FCC ID	:	IHDT56ZJ8
STANDARD	:	47 CFR Part 2, and 90(S)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Jun. 09, 2021

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.

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alexwang

Approved by: Alex Wang / Manager

ACCREDITED Cert #5145.02

Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FW080310-14	Rev. 01	Initial issue of report	Jun. 21, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	Reporting only	PASS	-
3.2	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	Reporting only	PASS	-
3.3	§2.1051 §90.691	Emission masks – In-band emissions	< $50+10\log_{10}$(P[Watts])	PASS	-
3.4	§2.1051 §90.691	Emission masks – Out of band emissions	< $43+10\log_{10}$(P[Watts])	PASS	-
3.5	§2.1053 §90.691	Field Strength of Spurious Radiation	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 45.30 dB at 2444.000 MHz
3.6	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	< 2.5 ppm	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

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 Phone
Brand Name	Motorola,Lenovo
Model Name	XT2095-3, XT2095-4
FCC ID	IHDT56ZJ8
EUT supports Radios application	GSM/WCDMA/LTE WLAN 2.4GHz 802.11b/g/n HT20 Bluetooth BR/EDR/LE FM Receiver, and GNSS
IMEI Code	Conducted: N/A Radiation: 356920110013033/356920110013041
HW Version	DVT2
SW Version	QOG30.26
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 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	814 ~ 824 MHz
Rx Frequency	859 ~ 869 MHz
Bandwidth	1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	22.67 dBm
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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

1.6 Maximum Conducted Power and Emission Designator

LTE Band 26		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
15	821.5	0.1849	13M4G7D	0.1521	13M5W7D

Based on engineering evaluation, only the maximum bandwidth and the worst modulation test results are shown in the report.

1.7 Testing Site

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a

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, 90(S)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

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.

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola (Chenyang)	**Model Name**	SC-61
AC Adapter 1(EU)	**Brand Name**	Motorola (Chenyang)	**Model Name**	SC-62
AC Adapter 1(UK)	**Brand Name**	Motorola (Chenyang)	**Model Name**	SC-63UK
AC Adapter 1(AR)	**Brand Name**	Motorola (Chenyang)	**Model Name**	SC-64
AC Adapter 1(EU)	**Brand Name**	Lenovo (Chenyang)	**Model Name**	SC-62
AC Adapter 1(UK)	**Brand Name**	Lenovo (Chenyang)	**Model Name**	SC-63UK
AC Adapter 2(US)	**Brand Name**	Motorola (Acbel)	**Model Name**	SC-61
AC Adapter 2(EU)	**Brand Name**	Motorola (Acbel)	**Model Name**	SC-62
AC Adapter 2(AR)	**Brand Name**	Motorola (Acbel)	**Model Name**	SC-64
AC Adapter 2(Chile)	**Brand Name**	Motorola (Acbel)	**Model Name**	SC-62
AC Adapter 3(AU)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-105
AC Adapter 3(BR)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-107
AC Adapter 4(BR)	**Brand Name**	Motorola (Flex)	**Model Name**	SC-47
AC Adapter 5(BR)	**Brand Name**	Motorola (Cliptech)	**Model Name**	SC-47
AC Adapter 6(BR)	**Brand Name**	Motorola (Flex)	**Model Name**	MC-107
AC Adapter 7(BR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-107
Battery 1	**Brand Name**	Motorola (ATL)	**Model Name**	KG40
Battery 2	**Brand Name**	Motorola (SCUD)	**Model Name**	KG40
Earphone	**Brand Name**	Motorola (NEW LEADER)	**Model Name**	NLD-EM301K-01SF
USB Cable 1	**Brand Name**	Motorola (Washin)	**Model Name**	HX-ZN-04
USB Cable 2	**Brand Name**	Motorola (Ju wei)	**Model Name**	JWUB1472-ZN01H
USB Cable 3	**Brand Name**	Motorola (I SHENG)	**Model Name**	SC18C28955

2 Test Configuration of Equipment Under Test

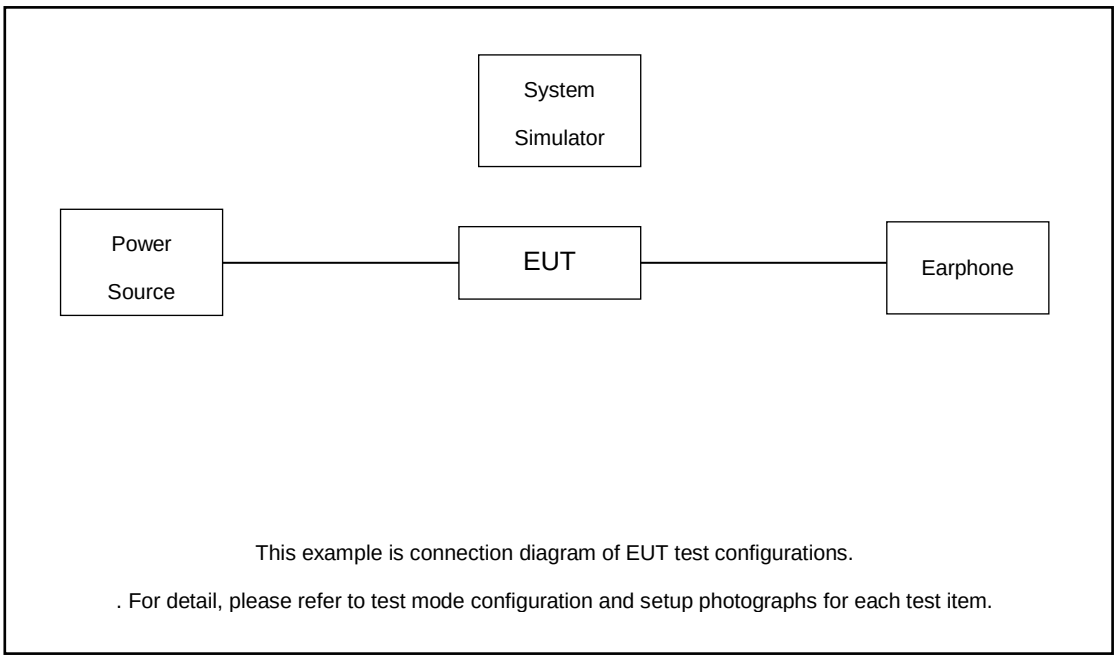
2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

Test Items	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	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	26					v	-	v	v	-			v	v		
Emission masks In-band emissions	26	v	v	v	v	v	-	v	v	v	v		v	v	v	v
Emission masks – Out of band emissions	26	v	v	v	v	v	-	v		-	v			v	v	v
Frequency Stability	26				v		-	v		-			v		v	
Radiated Spurious Emission	26	Worst case													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. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies.															

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

The following shows an offset computation example with RF cable loss 4.7 dB.

Example :

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

= 4.7 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 26 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
15	Channel	26765	-	-
	Frequency	821.5	-	-
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

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

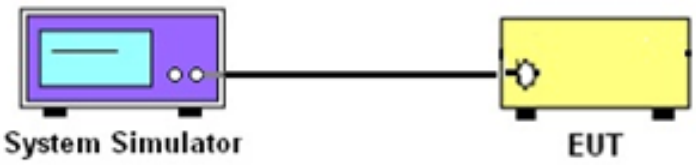
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Please refer to Appendix A.

3.2 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.2.1 Description of (Occupied) Bandwidth Limitations Measurement

The 99% 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 emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

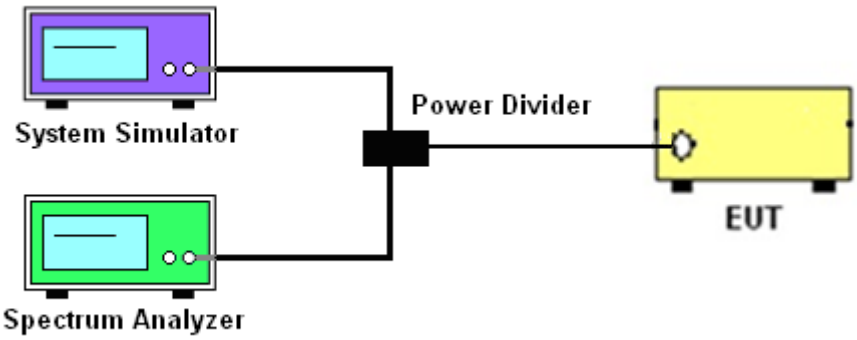
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The 26dB and 99% occupied bandwidth (BW) of the middle channel for the highest RF power with full RB sizes were measured.

3.2.4 Test Setup



3.2.5 Test Result of 99% Occupied Bandwidth and 26dB Bandwidth

Please refer to Appendix A.

3.3 Emissions Mask Measurement

3.3.1 Description of Emissions Mask Measurement

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691.(a):

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 $Log_{10}(f/6.1)$ decibels or 50 + 10 $Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + $10Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

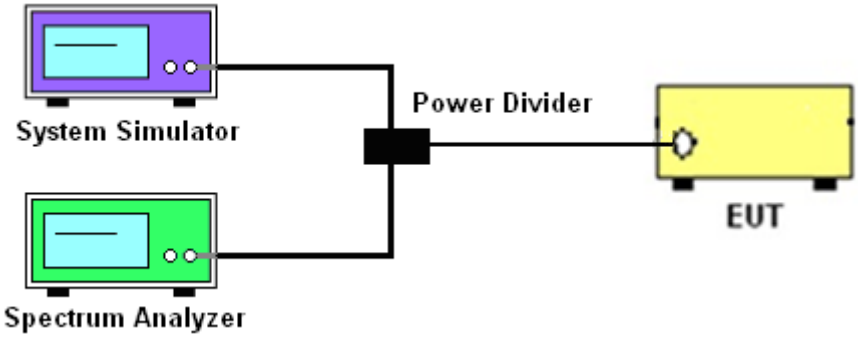
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. The measured RBW and the VBW set 3 times of RBW are then set in spectrum analyzer, and the RBW correction factor 10log (1% of OBW/measured RBW)(dB) was compensated, if required.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.

3.3.4 Test Setup



3.3.5 Test Result (Plots) of Conducted Emissions Mask

Please refer to Appendix A.

3.4 Emissions Mask – Out Of Band Emissions Measurement

3.4.1 Description of Conducted Emissions Out of band emissions measurement

The power of any emission FCC Part 90.691 (a)(2) on any frequency removed from the assigned frequency by out of the authorized bandwidth at least 43 + 10 log (P) dB. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

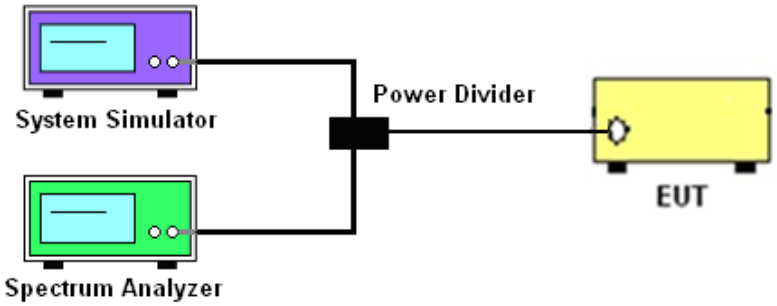
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

3.4.4 Test Setup



3.4.5 Test Result (Plots) of Conducted Emission

Please refer to Appendix A.

3.5 Field Strength of Spurious Radiation Measurement

3.5.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

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 $43+10\log_{10}(P[Watts])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.5.2 Measuring Instruments

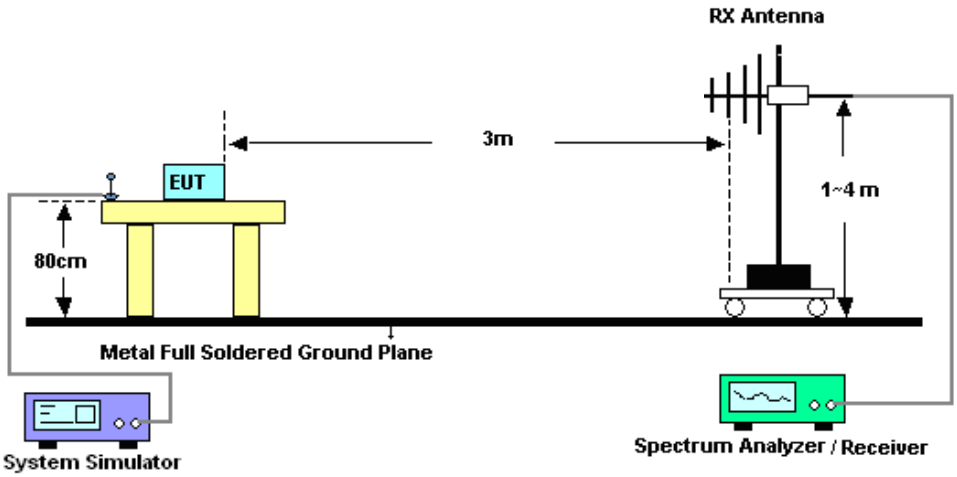
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

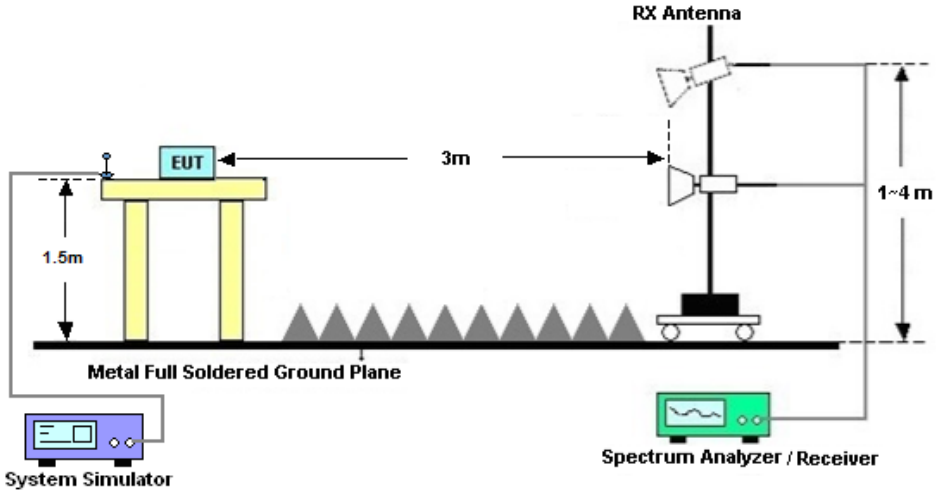
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. 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.
13. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

3.5.4 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



3.5.5 Test Result of Field Strength of Spurious Radiated

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

3.6 Frequency Stability Measurement

3.6.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency according to FCC Part 90.213.

3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

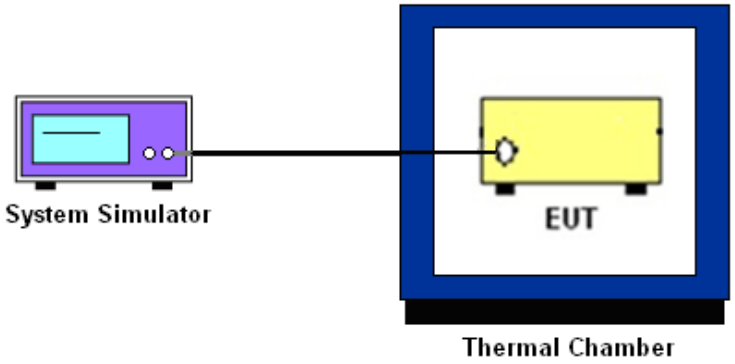
3.6.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
3. 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.

3.6.4 Test Procedures for Voltage Variation

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

3.6.5 Test Setup



3.6.6 Test Result of Temperature Variation

Please refer to Appendix A.

4 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	Nov. 01, 2020	Jun. 09, 2021	Oct. 31, 2021	Conducted (TH01-KS)
Temperature &humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 03, 2020	Jun. 09, 2021	Jul. 02, 2021	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Jun. 09, 2021	Apr. 12, 2022	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jun. 07, 2021	Jun. 09, 2021	Jun. 06, 2022	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 18, 2021	Jun. 09, 2021	Apr. 17, 2022	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Jan. 06, 2021	Jun. 09, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 06, 2021	Jun. 09, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Jun. 09, 2021	Jan. 06, 2022	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2025788	1Ghz-18Ghz	Jan. 06, 2021	Jun. 09, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 14, 2020	Jun. 09, 2021	Oct. 13, 2021	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 09, 2021	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 09, 2021	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 09, 2021	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

5 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))	**3.3dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.8dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26765		
Frequency (MHz)				821.5		
15	QPSK	1	0	22.67		
15	QPSK	1	37	22.47		
15	QPSK	1	74	22.52		
15	QPSK	36	0	21.33		
15	QPSK	36	20	21.42		
15	QPSK	36	39	21.39		
15	QPSK	75	0	21.38		
15	16QAM	1	0	21.46		
15	16QAM	1	37	21.82		
15	16QAM	1	74	21.45		
15	16QAM	36	0	20.30		
15	16QAM	36	20	20.36		
15	16QAM	36	39	20.33		
15	16QAM	75	0	20.34		
15	64QAM	1	0	20.36		
15	64QAM	1	37	20.65		
15	64QAM	1	74	20.35		
15	64QAM	36	0	19.30		
15	64QAM	36	20	19.36		
15	64QAM	36	39	19.33		
15	64QAM	75	0	19.33		
Channel					26740	
Frequency (MHz)					819	
10	QPSK	1	0		22.28	
10	QPSK	1	25		22.40	
10	QPSK	1	49		22.35	

10	QPSK	25	0		21.46	
10	QPSK	25	12		21.39	
10	QPSK	25	25		21.41	
10	QPSK	50	0		21.47	
10	16QAM	1	0		21.50	
10	16QAM	1	25		21.65	
10	16QAM	1	49		21.61	
10	16QAM	25	0		20.45	
10	16QAM	25	12		20.37	
10	16QAM	25	25		20.39	
10	16QAM	50	0		20.45	
10	64QAM	1	0		20.41	
10	64QAM	1	25		20.55	
10	64QAM	1	49		20.50	
10	64QAM	25	0		19.45	
10	64QAM	25	12		19.36	
10	64QAM	25	25		19.39	
10	64QAM	50	0		19.43	
Channel				26715	26740	26765
Frequency (MHz)				816.5	819	821.5
5	QPSK	1	0	22.20	22.20	22.34
5	QPSK	1	12	22.42	22.46	22.57
5	QPSK	1	24	22.13	22.18	22.35
5	QPSK	12	0	21.24	21.36	21.53
5	QPSK	12	7	21.34	21.43	21.53
5	QPSK	12	13	21.27	21.35	21.44
5	QPSK	25	0	21.25	21.35	21.49
5	16QAM	1	0	21.42	21.42	21.60
5	16QAM	1	12	21.62	21.72	21.82
5	16QAM	1	24	21.42	21.43	21.59
5	16QAM	12	0	20.24	20.29	20.50
5	16QAM	12	7	20.29	20.35	20.51
5	16QAM	12	13	20.23	20.29	20.42
5	16QAM	25	0	20.25	20.35	20.49
5	64QAM	1	0	20.32	20.33	20.49
5	64QAM	1	12	20.53	20.60	20.73

5	64QAM	1	24	20.29	20.34	20.52
5	64QAM	12	0	19.19	19.29	19.50
5	64QAM	12	7	19.28	19.35	19.50
5	64QAM	12	13	19.24	19.28	19.43
5	64QAM	25	0	19.26	19.34	19.49
Channel				26705	26740	26775
Frequency (MHz)				815.5	819	822.5
3	QPSK	1	0	22.28	22.31	22.45
3	QPSK	1	8	22.24	22.31	22.42
3	QPSK	1	14	22.23	22.28	22.44
3	QPSK	8	0	21.27	21.36	21.53
3	QPSK	8	4	21.32	21.38	21.56
3	QPSK	8	7	21.28	21.35	21.54
3	QPSK	15	0	21.28	21.36	21.55
3	16QAM	1	0	21.53	21.50	21.70
3	16QAM	1	8	21.49	21.54	21.71
3	16QAM	1	14	21.49	21.53	21.75
3	16QAM	8	0	20.32	20.38	20.57
3	16QAM	8	4	20.35	20.40	20.59
3	16QAM	8	7	20.32	20.38	20.58
3	16QAM	15	0	20.27	20.35	20.55
3	64QAM	1	0	20.43	20.41	20.60
3	64QAM	1	8	20.38	20.42	20.65
3	64QAM	1	14	20.38	20.45	20.64
3	64QAM	8	0	19.28	19.34	19.54
3	64QAM	8	4	19.32	19.37	19.54
3	64QAM	8	7	19.29	19.34	19.53
3	64QAM	15	0	19.25	19.33	19.51
Channel				26697	26740	26783
Frequency (MHz)				814.7	819	823.3
1.4	QPSK	1	0	22.25	22.27	22.36
1.4	QPSK	1	3	22.38	22.37	22.52
1.4	QPSK	1	5	22.22	22.25	22.44
1.4	QPSK	3	0	22.36	22.35	22.53
1.4	QPSK	3	1	22.40	22.41	22.56
1.4	QPSK	3	3	22.34	22.36	22.54

1.4	QPSK	6	0	21.34	21.40	21.62
1.4	16QAM	1	0	21.47	21.45	21.64
1.4	16QAM	1	3	21.60	21.57	21.75
1.4	16QAM	1	5	21.45	21.47	21.67
1.4	16QAM	3	0	21.32	21.32	21.53
1.4	16QAM	3	1	21.35	21.34	21.55
1.4	16QAM	3	3	21.28	21.30	21.53
1.4	16QAM	6	0	20.39	20.43	20.64
1.4	64QAM	1	0	20.38	20.37	20.58
1.4	64QAM	1	3	20.46	20.49	20.65
1.4	64QAM	1	5	20.34	20.39	20.58
1.4	64QAM	3	0	20.35	20.37	20.62
1.4	64QAM	3	1	20.40	20.42	20.63
1.4	64QAM	3	3	20.32	20.37	20.60
1.4	64QAM	6	0	19.31	19.38	19.58

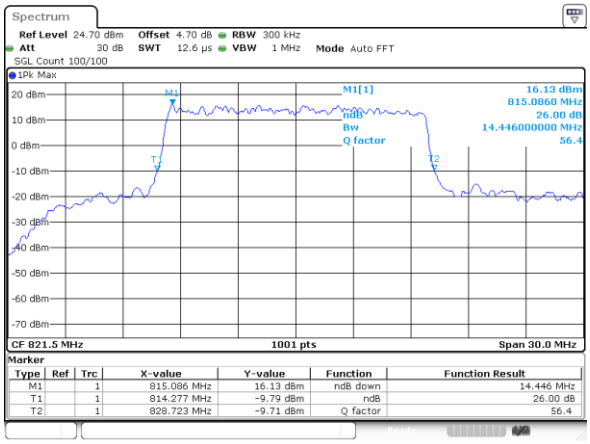
LTE Band 26

26dB Bandwidth

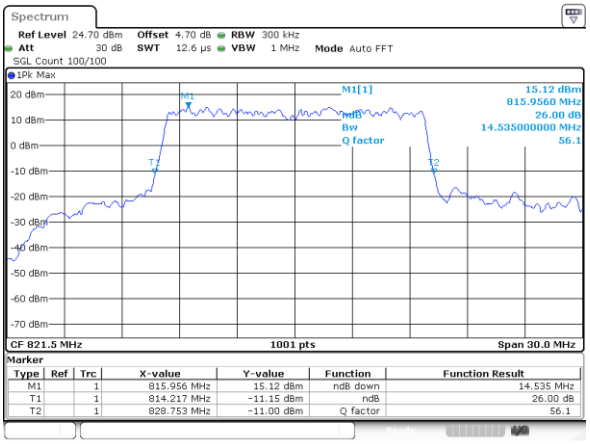
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Low CH	14.45	14.54
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Low CH	9.79	9.85

LTE Band 26

Lowest Channel / 15MHz / QPSK

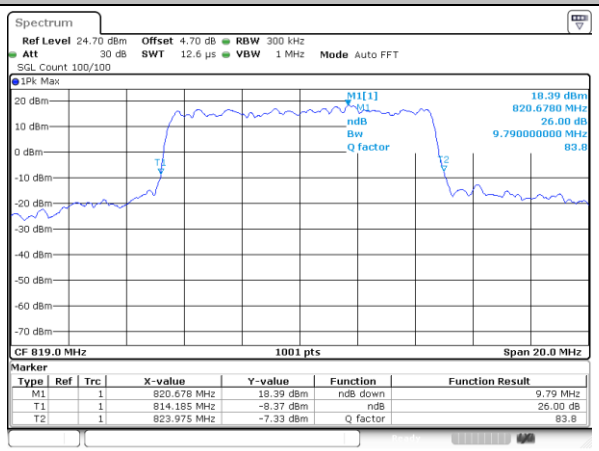


Lowest Channel / 15MHz / 16QAM

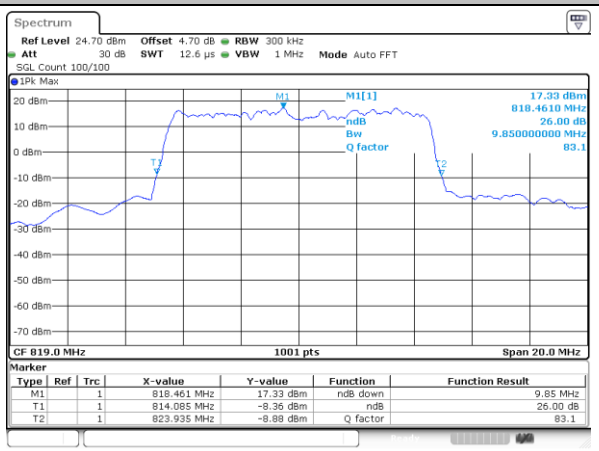


LTE Band 26

Lowest Channel / 10MHz / QPSK



Lowest Channel / 10MHz / 16QAM

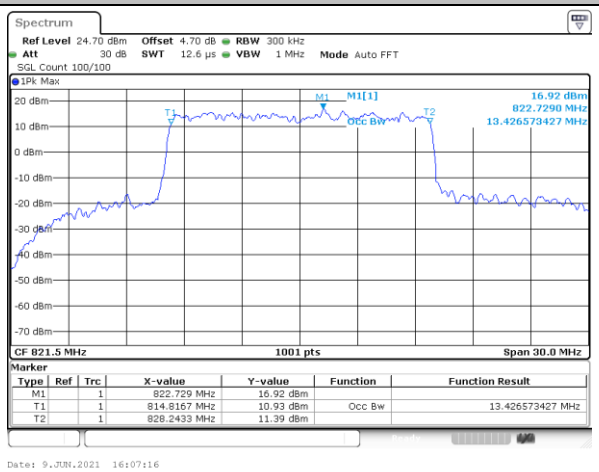


Occupied Bandwidth

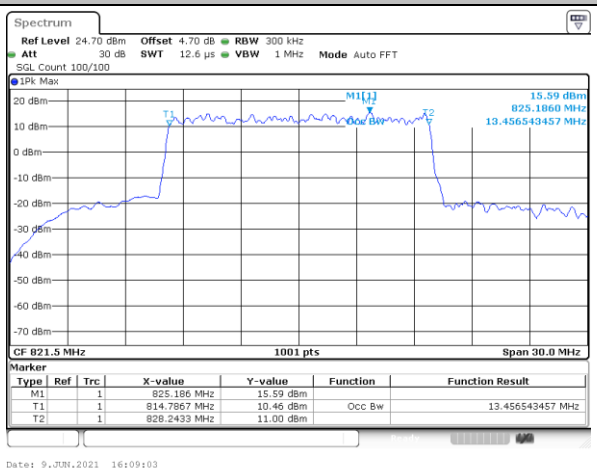
Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Low CH	13.43	13.46
Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Low CH	9.01	9.01

LTE Band 26

Lowest Channel / 15MHz / QPSK

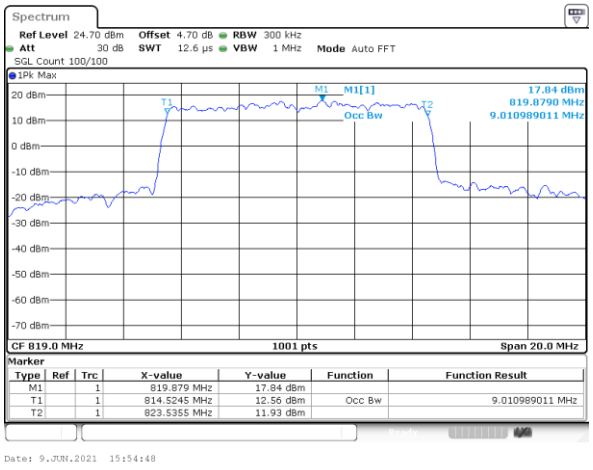


Lowest Channel / 15MHz / 16QAM

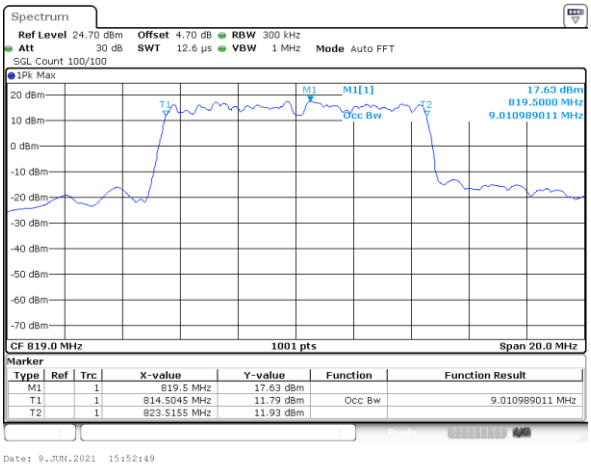


LTE Band 26

Lowest Channel / 10MHz / QPSK



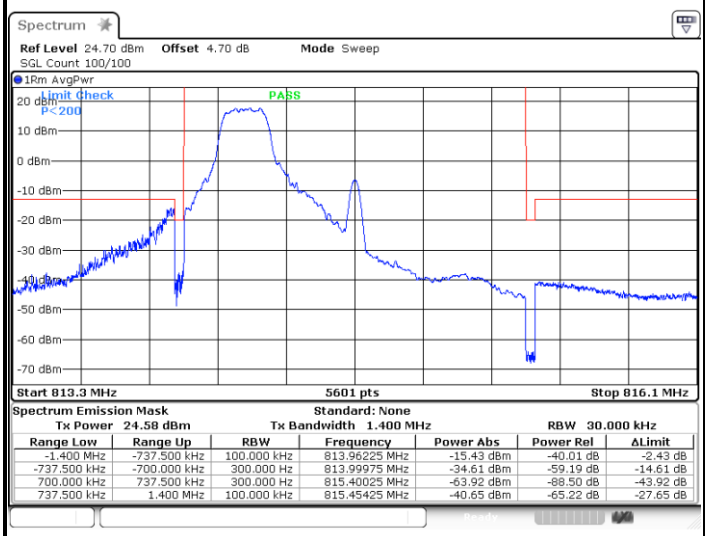
Lowest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

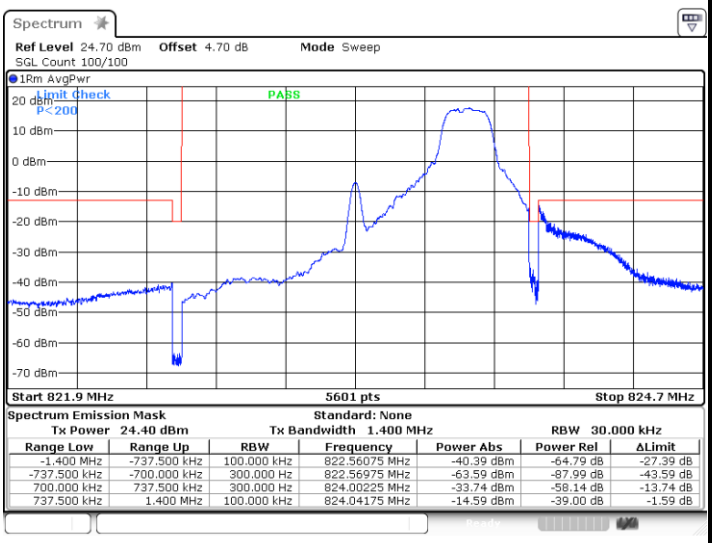


Spectrum Emission Mask Standard: None
Tx Power 24.58 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	813.96225 MHz	-15.43 dBm	-40.01 dB	-2.43 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99975 MHz	-34.61 dBm	-59.19 dB	-14.61 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40025 MHz	-63.92 dBm	-88.50 dB	-43.92 dB
737.500 kHz	1.400 MHz	100.000 kHz	815.45425 MHz	-40.65 dBm	-65.22 dB	-27.65 dB

Date: 9.JUN.2021 13:36:27

Highest Band Edge / 1RB

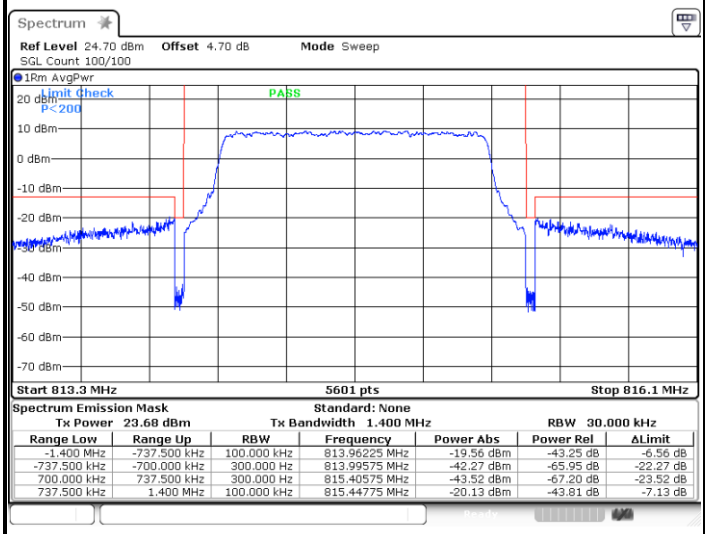


Spectrum Emission Mask Standard: None
Tx Power 24.40 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	822.56075 MHz	-40.39 dBm	-64.79 dB	-27.39 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.56975 MHz	-63.59 dBm	-87.99 dB	-43.59 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00225 MHz	-33.74 dBm	-58.14 dB	-13.74 dB
737.500 kHz	1.400 MHz	100.000 kHz	824.04175 MHz	-14.59 dBm	-39.00 dB	-1.59 dB

Date: 9.JUN.2021 14:11:31

Lowest Band Edge / Full RB

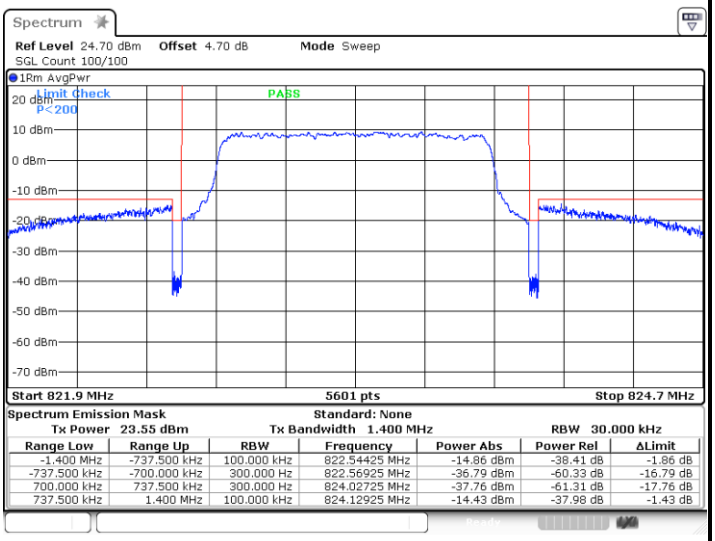


Spectrum Emission Mask Standard: None
Tx Power 23.68 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	813.96225 MHz	-19.56 dBm	-43.25 dB	-6.56 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99575 MHz	-42.27 dBm	-65.95 dB	-22.27 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40575 MHz	-43.52 dBm	-67.20 dB	-23.52 dB
737.500 kHz	1.400 MHz	100.000 kHz	815.44775 MHz	-20.13 dBm	-43.81 dB	-7.13 dB

Date: 9.JUN.2021 13:58:58

Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 23.55 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	822.54425 MHz	-14.86 dBm	-38.41 dB	-1.86 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.56925 MHz	-36.79 dBm	-60.33 dB	-16.79 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.02725 MHz	-37.76 dBm	-61.31 dB	-17.76 dB
737.500 kHz	1.400 MHz	100.000 kHz	824.12925 MHz	-14.43 dBm	-37.98 dB	-1.43 dB

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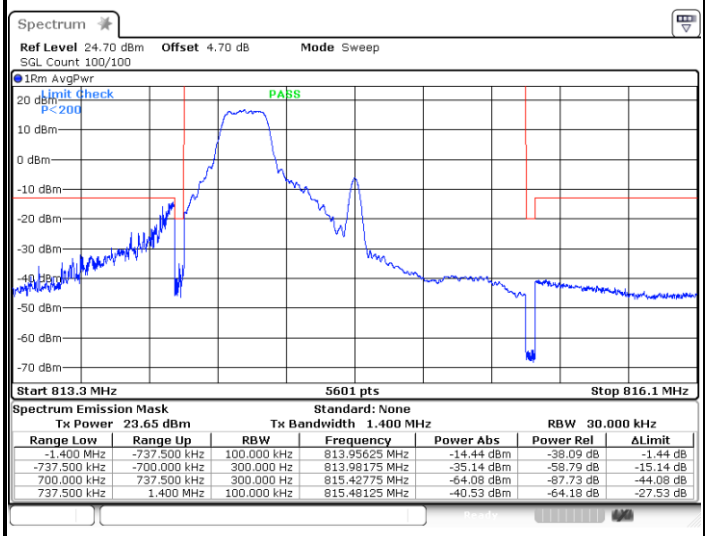
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

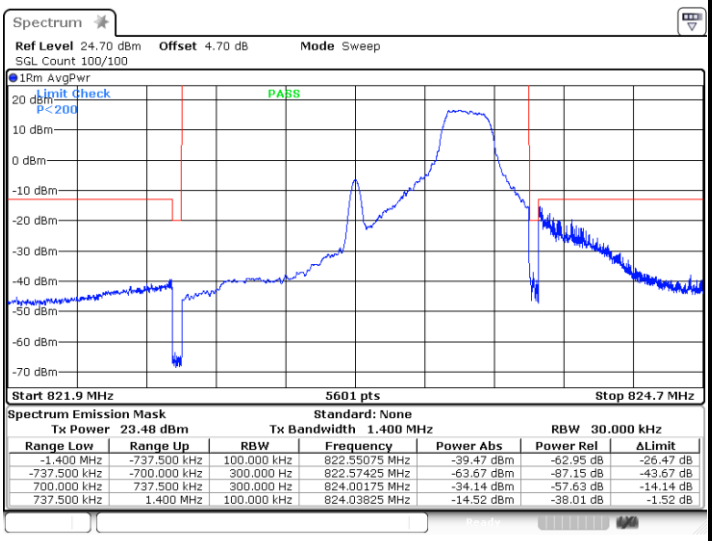


Spectrum Emission Mask Standard: None
Tx Power 23.65 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	813.95625 MHz	-14.44 dBm	-38.09 dB	-1.44 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.98175 MHz	-35.14 dBm	-58.79 dB	-15.14 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.42775 MHz	-64.08 dBm	-87.73 dB	-44.08 dB
737.500 kHz	1.400 MHz	100.000 kHz	815.48125 MHz	-40.53 dBm	-64.18 dB	-27.53 dB

Date: 9.JUN.2021 13:39:55

Highest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 23.48 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	822.55075 MHz	-39.47 dBm	-62.95 dB	-26.47 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.57425 MHz	-63.67 dBm	-87.15 dB	-43.67 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00175 MHz	-34.14 dBm	-57.63 dB	-14.14 dB
737.500 kHz	1.400 MHz	100.000 kHz	824.03825 MHz	-14.52 dBm	-38.01 dB	-1.52 dB

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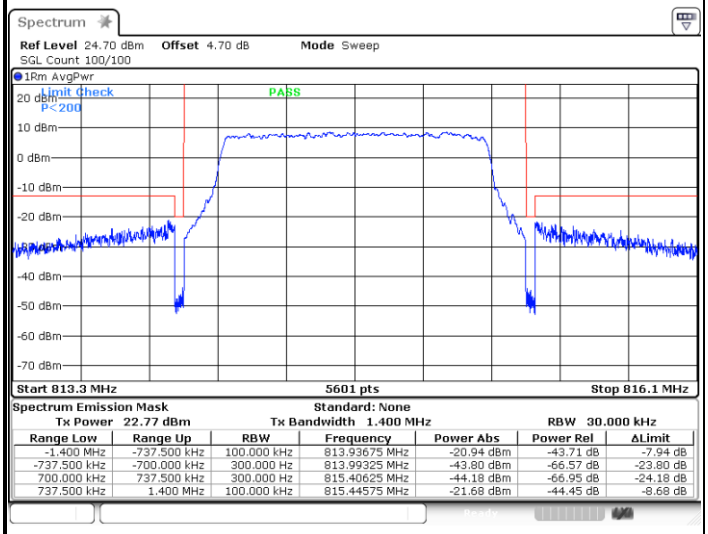
Lowest Band Edge / Full RB

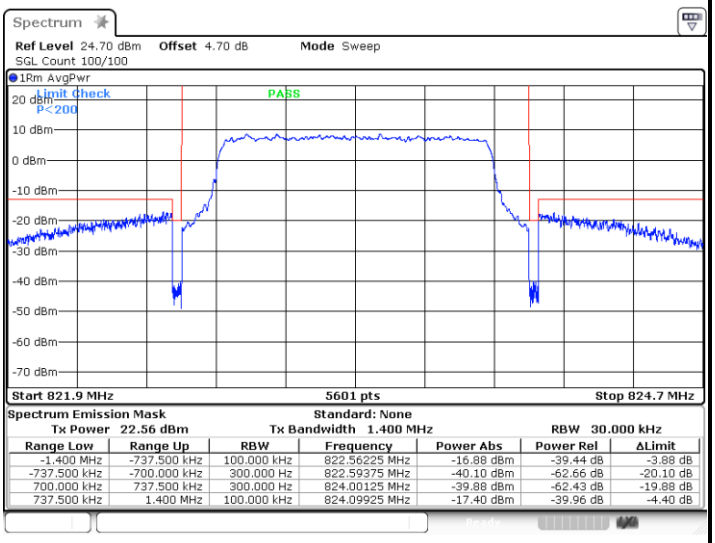


Spectrum Emission Mask Standard: None
Tx Power 22.77 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	813.93675 MHz	-20.94 dBm	-43.71 dB	-7.94 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99325 MHz	-43.80 dBm	-66.57 dB	-23.80 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40625 MHz	-44.18 dBm	-66.95 dB	-24.18 dB
737.500 kHz	1.400 MHz	100.000 kHz	815.44575 MHz	-21.68 dBm	-44.45 dB	-8.68 dB

Date: 9.JUN.2021 14:02:12

Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 22.56 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	822.56225 MHz	-16.88 dBm	-39.44 dB	-3.88 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59375 MHz	-40.10 dBm	-62.66 dB	-20.10 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00125 MHz	-39.88 dBm	-62.43 dB	-19.88 dB
737.500 kHz	1.400 MHz	100.000 kHz	824.09925 MHz	-17.40 dBm	-39.96 dB	-4.40 dB

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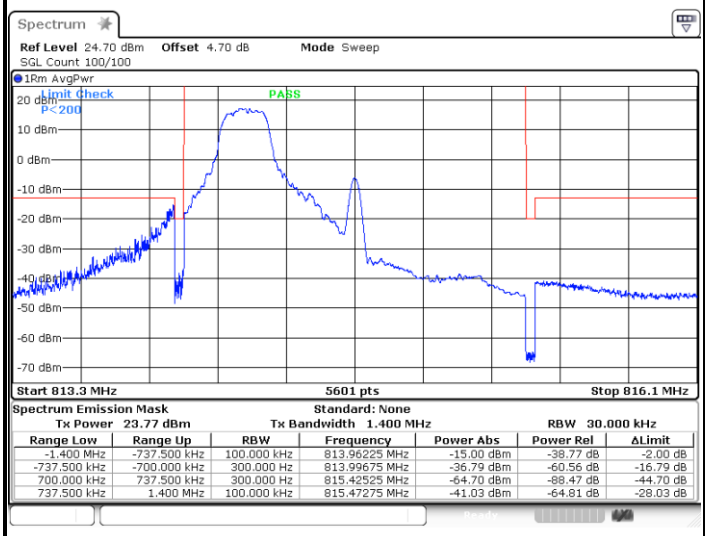
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

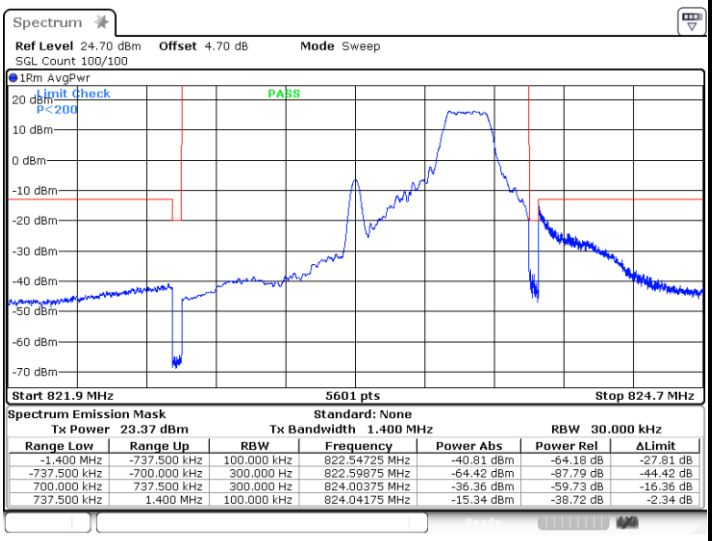


Spectrum Emission Mask Standard: None
Tx Power 23.77 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	813.96225 MHz	-15.00 dBm	-38.77 dB	-2.00 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99675 MHz	-36.79 dBm	-60.56 dB	-16.79 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.42525 MHz	-64.70 dBm	-88.47 dB	-44.70 dB
737.500 kHz	1.400 MHz	100.000 kHz	815.47275 MHz	-41.03 dBm	-64.81 dB	-28.03 dB

Date: 9.JUN.2021 13:41:02

Highest Band Edge / 1 RB

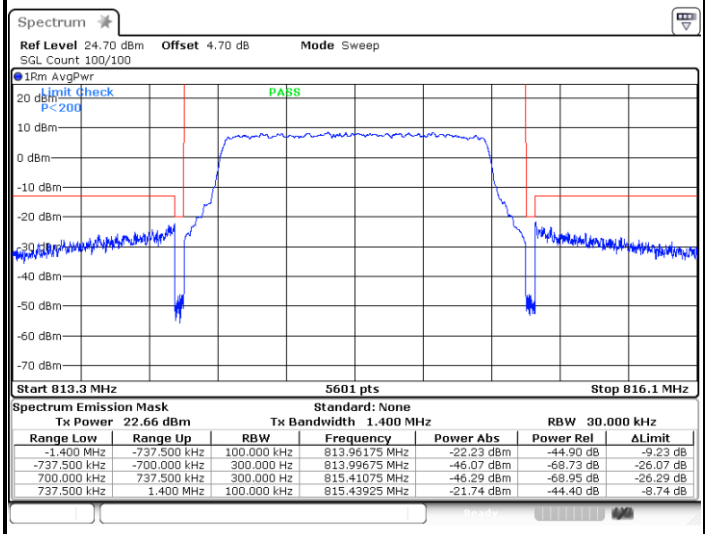


Spectrum Emission Mask Standard: None
Tx Power 23.37 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	822.54725 MHz	-40.81 dBm	-64.18 dB	-27.81 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59875 MHz	-64.42 dBm	-87.79 dB	-44.42 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00375 MHz	-36.36 dBm	-59.73 dB	-16.36 dB
737.500 kHz	1.400 MHz	100.000 kHz	824.04175 MHz	-15.34 dBm	-38.72 dB	-2.34 dB

Date: 9.JUN.2021 14:15:50

Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 22.66 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	813.96175 MHz	-22.23 dBm	-44.90 dB	-9.23 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99675 MHz	-46.07 dBm	-68.73 dB	-26.07 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.41075 MHz	-46.29 dBm	-68.95 dB	-26.29 dB
737.500 kHz	1.400 MHz	100.000 kHz	815.43925 MHz	-21.74 dBm	-44.40 dB	-8.74 dB

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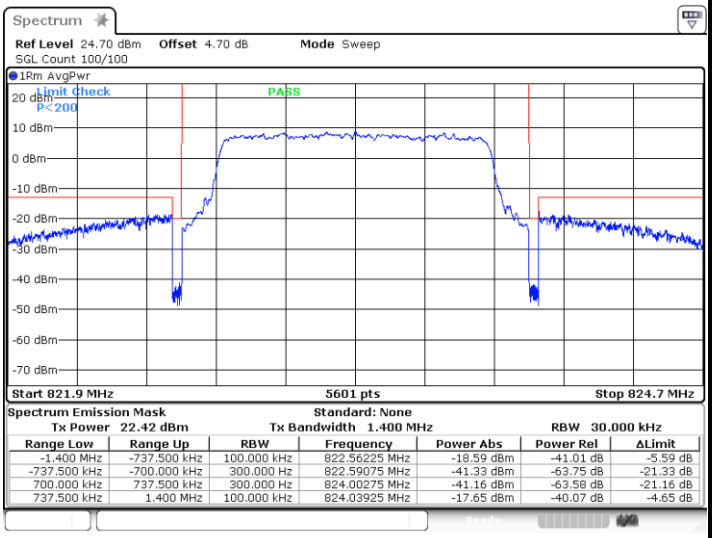
Highest Band Edge / Full RB



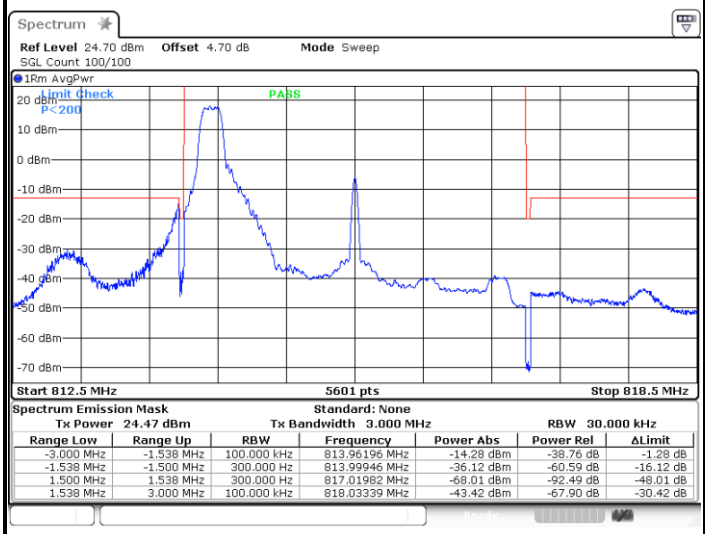
Spectrum Emission Mask Standard: None
Tx Power 22.42 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-1.400 MHz	-737.500 kHz	100.000 kHz	822.56225 MHz	-18.59 dBm	-41.01 dB	-5.59 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59075 MHz	-41.33 dBm	-63.75 dB	-21.33 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00275 MHz	-41.16 dBm	-63.58 dB	-21.16 dB
737.500 kHz	1.400 MHz	100.000 kHz	824.03925 MHz	-17.65 dBm	-40.07 dB	-4.65 dB

Date: 9.JUN.2021 14:05:11

LTE Band 26 / 3MHz / QPSK

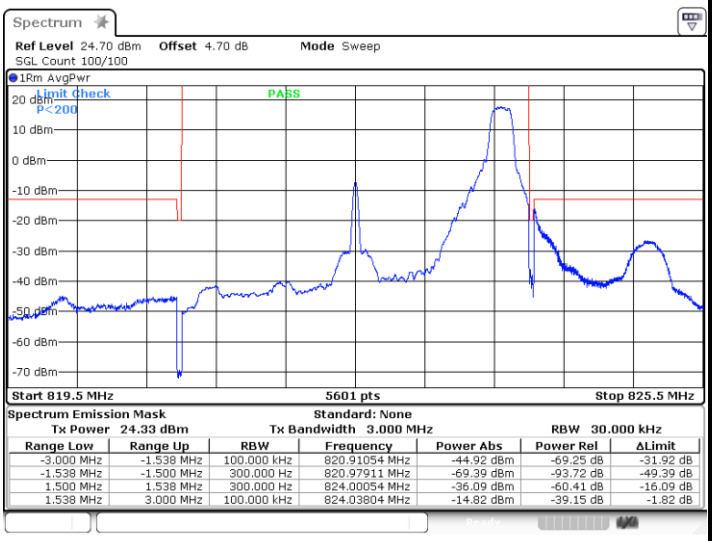
Lowest Band Edge / 1RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	813.96196 MHz	-14.28 dBm	-38.76 dB	-1.28 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99946 MHz	-36.12 dBm	-60.59 dB	-16.12 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.01982 MHz	-68.01 dBm	-92.49 dB	-48.01 dB
1.538 MHz	3.000 MHz	100.000 kHz	818.03339 MHz	-43.42 dBm	-67.90 dB	-30.42 dB

Date: 9.JUN.2021 14:25:40

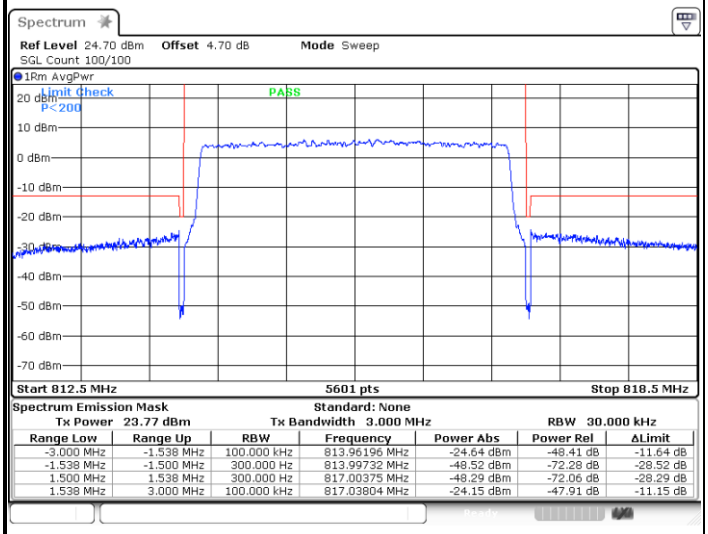
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	820.91054 MHz	-44.92 dBm	-69.25 dB	-31.92 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.97911 MHz	-69.39 dBm	-93.72 dB	-49.39 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00054 MHz	-36.09 dBm	-60.41 dB	-16.09 dB
1.538 MHz	3.000 MHz	100.000 kHz	824.03804 MHz	-14.82 dBm	-39.15 dB	-1.82 dB

Date: 9.JUN.2021 15:24:46

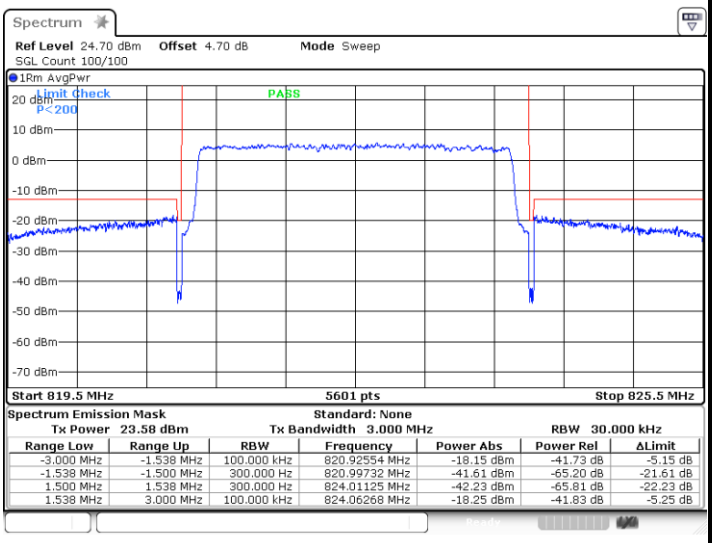
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	813.96196 MHz	-24.64 dBm	-48.41 dB	-11.64 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99732 MHz	-48.52 dBm	-72.28 dB	-28.52 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00375 MHz	-48.29 dBm	-72.06 dB	-28.29 dB
1.538 MHz	3.000 MHz	100.000 kHz	817.03804 MHz	-24.15 dBm	-47.91 dB	-11.15 dB

Date: 9.JUN.2021 14:48:14

Highest Band Edge / Full RB

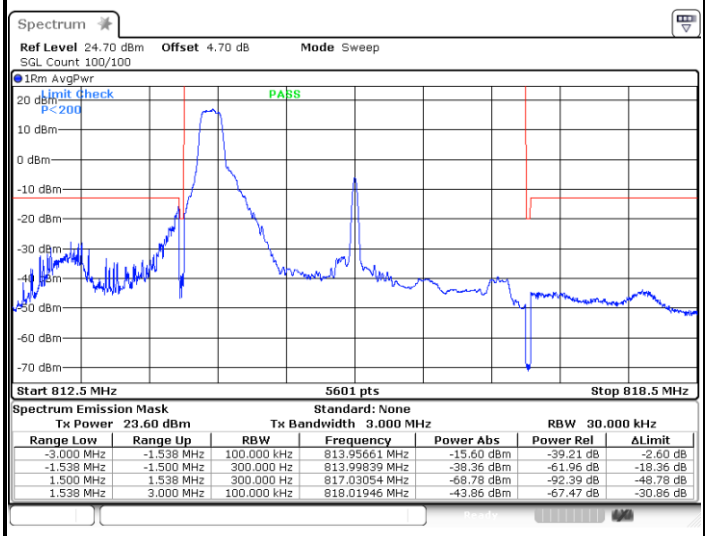


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	820.92554 MHz	-18.15 dBm	-41.73 dB	-5.15 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99732 MHz	-41.61 dBm	-65.20 dB	-21.61 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.01125 MHz	-42.23 dBm	-65.81 dB	-22.23 dB
1.538 MHz	3.000 MHz	100.000 kHz	824.06268 MHz	-18.25 dBm	-41.83 dB	-5.25 dB

Date: 9.JUN.2021 14:49:06

LTE Band 26 / 3MHz / 16QAM

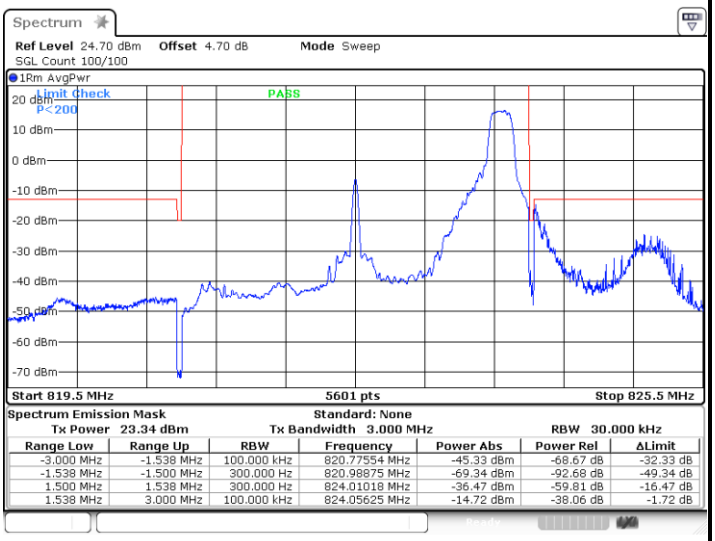
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	813.95661 MHz	-15.60 dBm	-39.21 dB	-2.60 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99839 MHz	-38.36 dBm	-61.96 dB	-18.36 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.03054 MHz	-68.78 dBm	-92.39 dB	-48.78 dB
1.538 MHz	3.000 MHz	100.000 kHz	818.01946 MHz	-43.86 dBm	-67.47 dB	-30.86 dB

Date: 9.JUN.2021 14:26:36

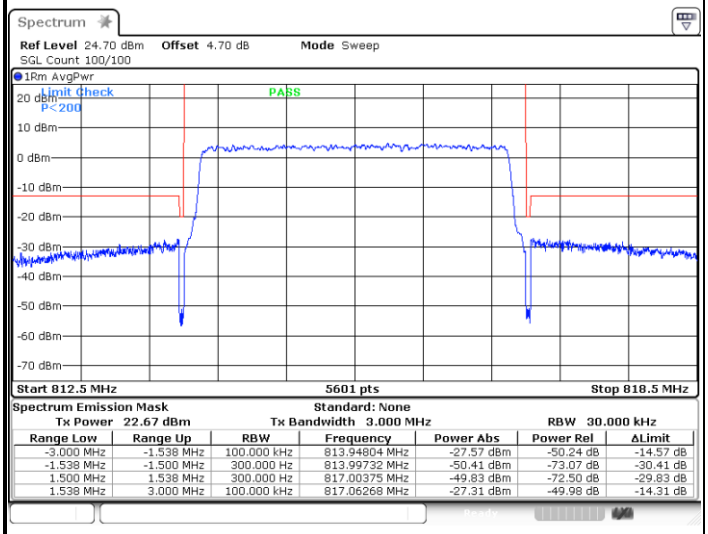
Highest Band Edge /1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	820.77554 MHz	-45.33 dBm	-68.67 dB	-32.33 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.98875 MHz	-69.34 dBm	-92.68 dB	-49.34 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.01018 MHz	-36.47 dBm	-59.81 dB	-16.47 dB
1.538 MHz	3.000 MHz	100.000 kHz	824.05625 MHz	-14.72 dBm	-38.06 dB	-1.72 dB

Date: 9.JUN.2021 15:22:53

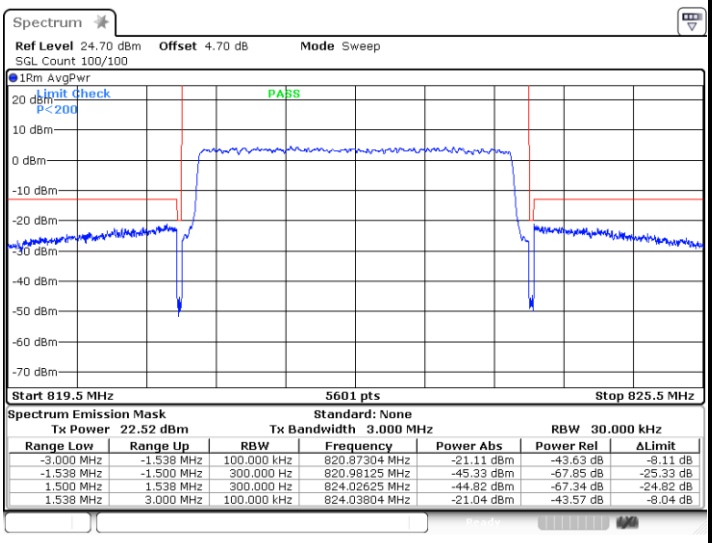
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	813.94804 MHz	-27.57 dBm	-50.24 dB	-14.57 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99732 MHz	-50.41 dBm	-73.07 dB	-30.41 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00375 MHz	-49.83 dBm	-72.50 dB	-29.83 dB
1.538 MHz	3.000 MHz	100.000 kHz	817.06268 MHz	-27.31 dBm	-49.98 dB	-14.31 dB

Date: 9.JUN.2021 14:47:25

Highest Band Edge / Full RB

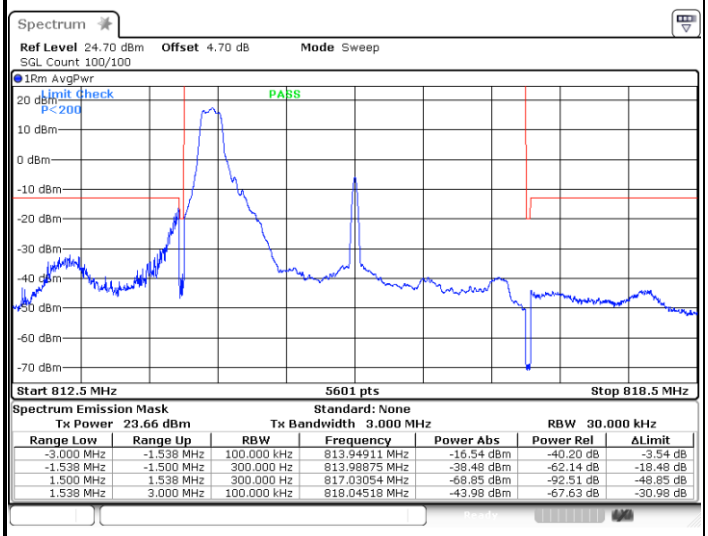


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	820.87304 MHz	-21.11 dBm	-43.63 dB	-8.11 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.98125 MHz	-45.33 dBm	-67.85 dB	-25.33 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.02625 MHz	-44.82 dBm	-67.34 dB	-24.82 dB
1.538 MHz	3.000 MHz	100.000 kHz	824.03804 MHz	-21.04 dBm	-43.57 dB	-8.04 dB

Date: 9.JUN.2021 14:50:29

LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

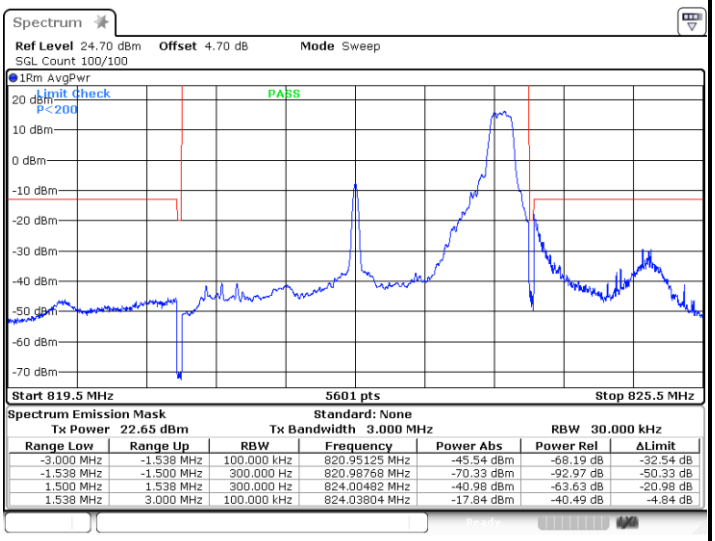


Spectrum Emission Mask Standard: None
Tx Power 23.66 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	813.94911 MHz	-16.54 dBm	-40.20 dB	-3.54 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.98875 MHz	-38.48 dBm	-62.14 dB	-18.48 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.03054 MHz	-68.85 dBm	-92.51 dB	-48.85 dB
1.538 MHz	3.000 MHz	100.000 kHz	818.04518 MHz	-43.98 dBm	-67.63 dB	-30.98 dB

Date: 9.JUN.2021 14:27:40

Highest Band Edge /1 RB

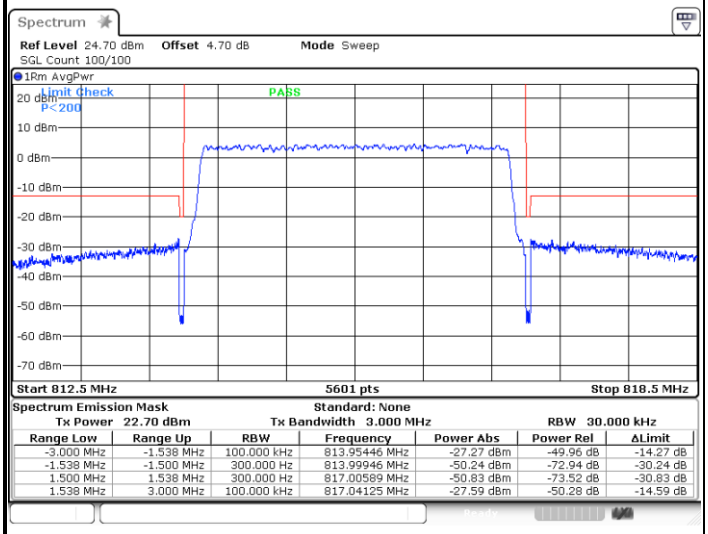


Spectrum Emission Mask Standard: None
Tx Power 22.65 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	820.95125 MHz	-45.54 dBm	-68.19 dB	-32.54 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.98768 MHz	-70.33 dBm	-92.97 dB	-50.33 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00482 MHz	-40.98 dBm	-63.63 dB	-20.98 dB
1.538 MHz	3.000 MHz	100.000 kHz	824.03804 MHz	-17.84 dBm	-40.49 dB	-4.84 dB

Date: 10.JUN.2021 11:38:07

Lowest Band Edge / Full RB

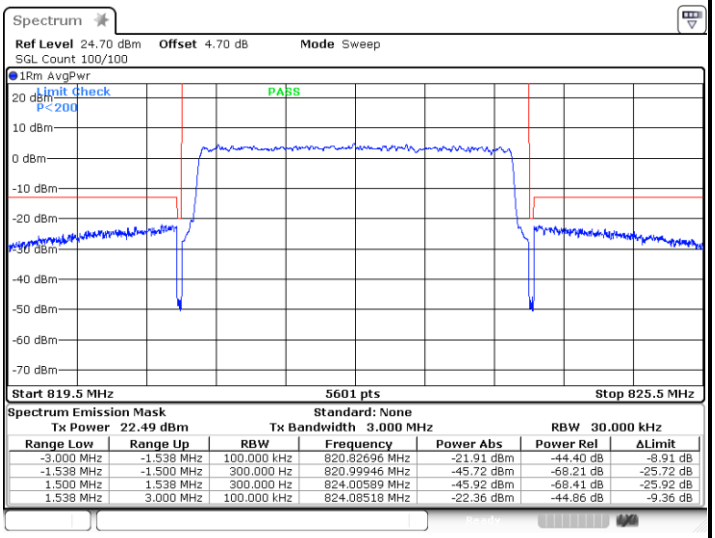


Spectrum Emission Mask Standard: None
Tx Power 22.70 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	813.95446 MHz	-27.27 dBm	-49.96 dB	-14.27 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99946 MHz	-50.24 dBm	-72.94 dB	-30.24 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00589 MHz	-50.83 dBm	-73.52 dB	-30.83 dB
1.538 MHz	3.000 MHz	100.000 kHz	817.04125 MHz	-27.59 dBm	-50.28 dB	-14.59 dB

Date: 9.JUN.2021 14:46:16

Highest Band Edge / Full RB



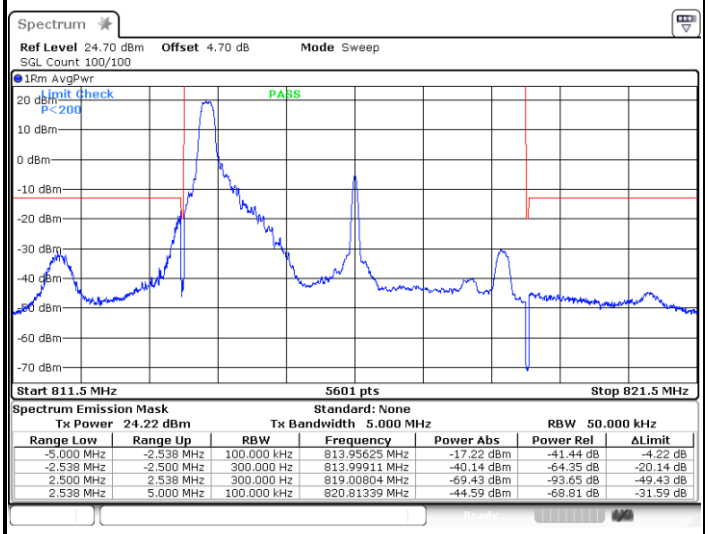
Spectrum Emission Mask Standard: None
Tx Power 22.49 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-1.538 MHz	100.000 kHz	820.82696 MHz	-21.91 dBm	-44.40 dB	-8.91 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99946 MHz	-45.72 dBm	-68.21 dB	-25.72 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00589 MHz	-45.92 dBm	-68.41 dB	-25.92 dB
1.538 MHz	3.000 MHz	100.000 kHz	824.08518 MHz	-22.36 dBm	-44.86 dB	-9.36 dB

Date: 9.JUN.2021 15:15:04

LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB

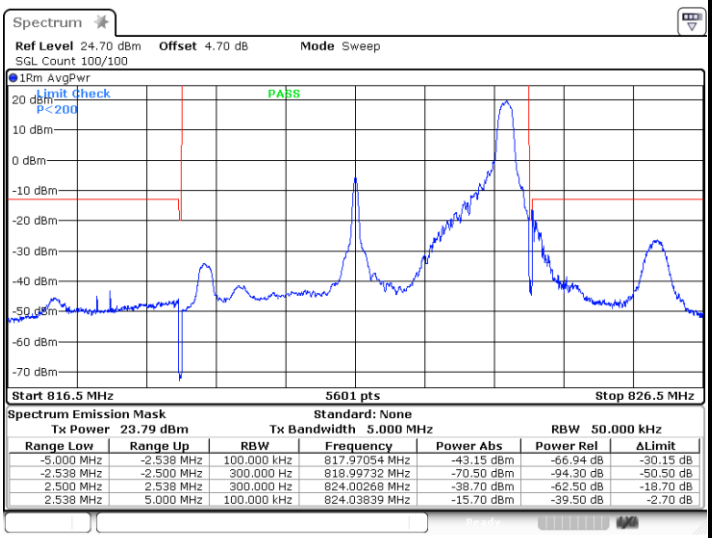


Spectrum Emission Mask Standard: None
Tx Power 24.22 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.95625 MHz	-17.22 dBm	-41.44 dB	-4.22 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99911 MHz	-40.14 dBm	-64.35 dB	-20.14 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00804 MHz	-69.43 dBm	-93.65 dB	-49.43 dB
2.538 MHz	5.000 MHz	100.000 kHz	820.81339 MHz	-44.59 dBm	-68.81 dB	-31.59 dB

Date: 9.JUN.2021 15:31:48

Highest Band Edge / 1 RB

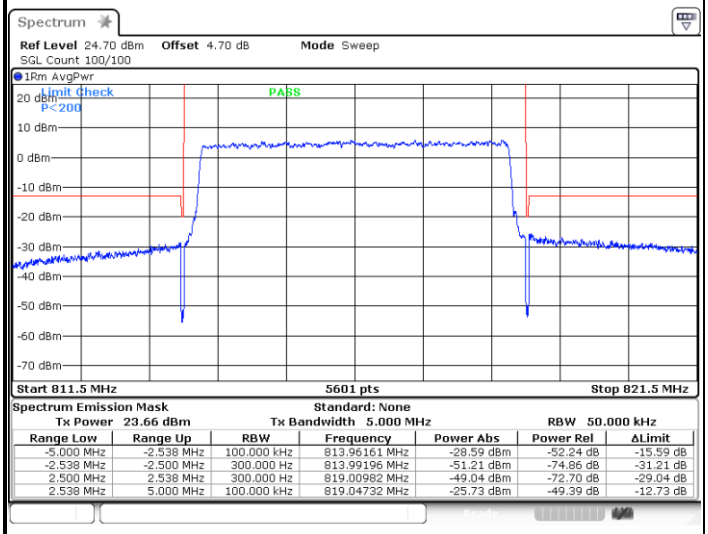


Spectrum Emission Mask Standard: None
Tx Power 23.79 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	817.97054 MHz	-43.15 dBm	-66.94 dB	-30.15 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99732 MHz	-70.50 dBm	-94.30 dB	-50.50 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00268 MHz	-38.70 dBm	-62.50 dB	-18.70 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-15.70 dBm	-39.50 dB	-2.70 dB

Date: 9.JUN.2021 15:42:25

Lowest Band Edge / Full RB

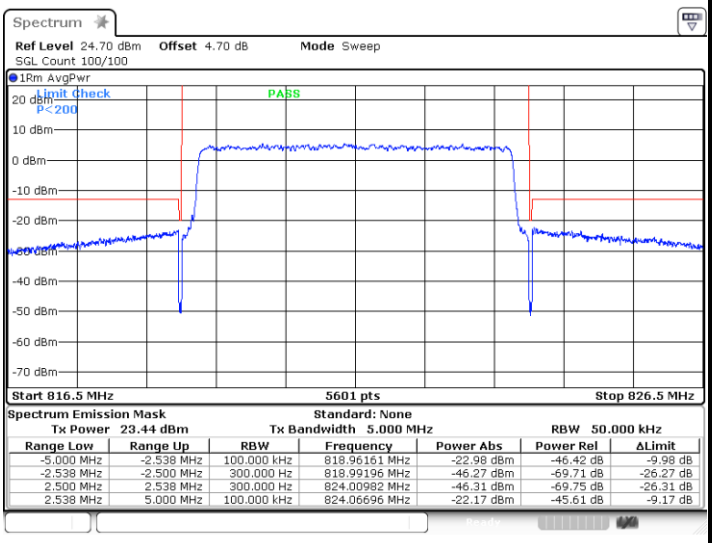


Spectrum Emission Mask Standard: None
Tx Power 23.66 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.96161 MHz	-28.59 dBm	-52.24 dB	-15.59 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99196 MHz	-51.21 dBm	-74.86 dB	-31.21 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00982 MHz	-49.04 dBm	-72.70 dB	-29.04 dB
2.538 MHz	5.000 MHz	100.000 kHz	819.04732 MHz	-25.73 dBm	-49.39 dB	-12.73 dB

Date: 9.JUN.2021 15:36:46

Highest Band Edge / Full RB



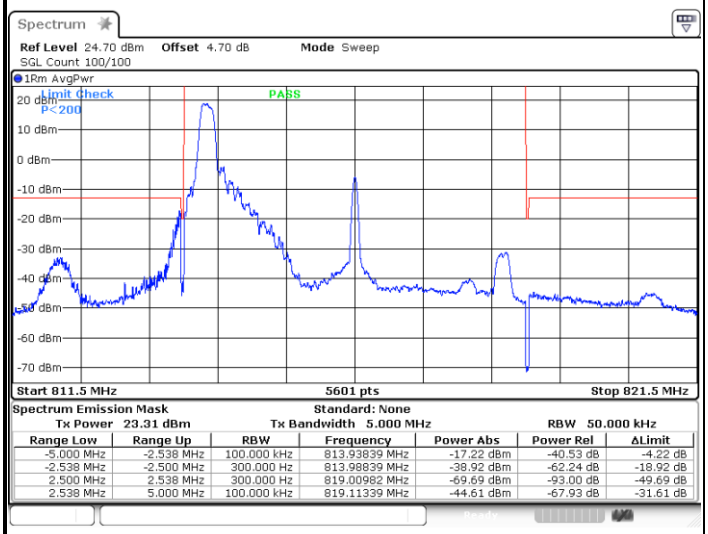
Spectrum Emission Mask Standard: None
Tx Power 23.44 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.96161 MHz	-22.98 dBm	-46.42 dB	-9.98 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99196 MHz	-46.27 dBm	-69.71 dB	-26.27 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00982 MHz	-46.31 dBm	-69.75 dB	-26.31 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.06696 MHz	-22.17 dBm	-45.61 dB	-9.17 dB

Date: 9.JUN.2021 15:37:35

LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB

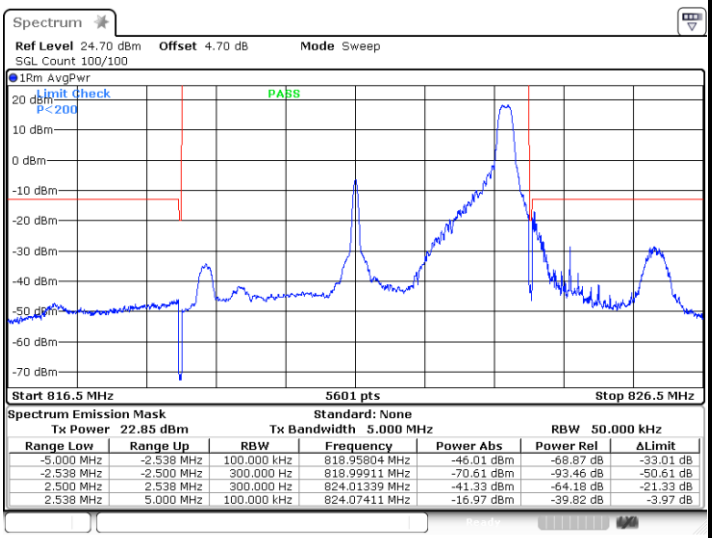


Spectrum Emission Mask Standard: None
Tx Power 23.31 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.93839 MHz	-17.22 dBm	-40.53 dB	-4.22 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.98839 MHz	-38.92 dBm	-62.24 dB	-18.92 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00982 MHz	-69.69 dBm	-93.00 dB	-49.69 dB
2.538 MHz	5.000 MHz	100.000 kHz	819.11339 MHz	-44.61 dBm	-67.93 dB	-31.61 dB

Date: 9.JUN.2021 15:32:34

Highest Band Edge / 1 RB

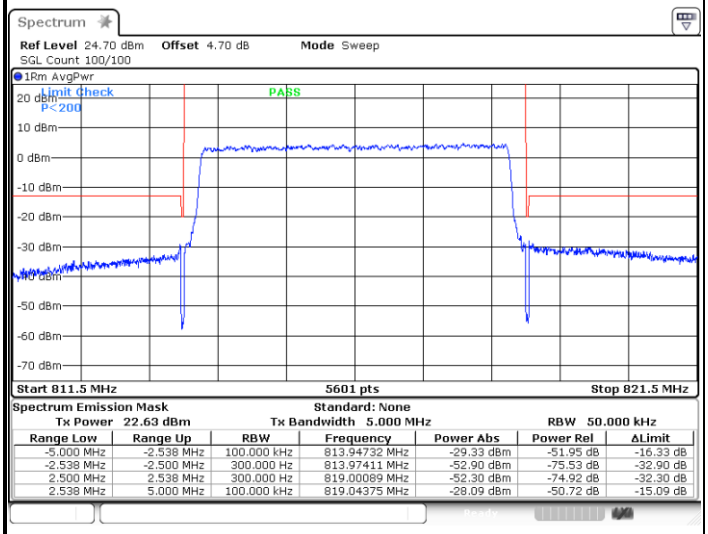


Spectrum Emission Mask Standard: None
Tx Power 22.85 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.95804 MHz	-46.01 dBm	-68.87 dB	-33.01 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99911 MHz	-70.61 dBm	-93.46 dB	-50.61 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.01339 MHz	-41.33 dBm	-64.18 dB	-21.33 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.07411 MHz	-16.97 dBm	-39.82 dB	-3.97 dB

Date: 9.JUN.2021 15:41:25

Lowest Band Edge / Full RB

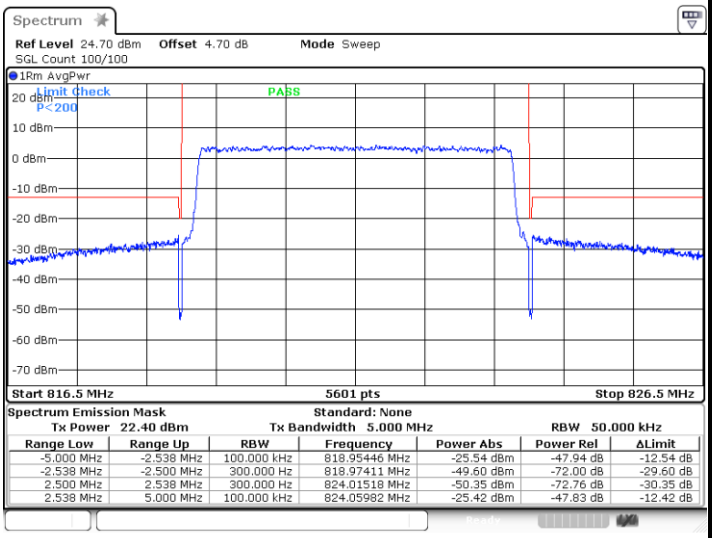


Spectrum Emission Mask Standard: None
Tx Power 22.63 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.94732 MHz	-29.33 dBm	-51.95 dB	-16.33 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.97411 MHz	-52.90 dBm	-75.53 dB	-32.90 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00089 MHz	-52.30 dBm	-74.92 dB	-32.30 dB
2.538 MHz	5.000 MHz	100.000 kHz	819.04375 MHz	-28.09 dBm	-50.72 dB	-15.09 dB

Date: 9.JUN.2021 15:35:55

Highest Band Edge / Full RB



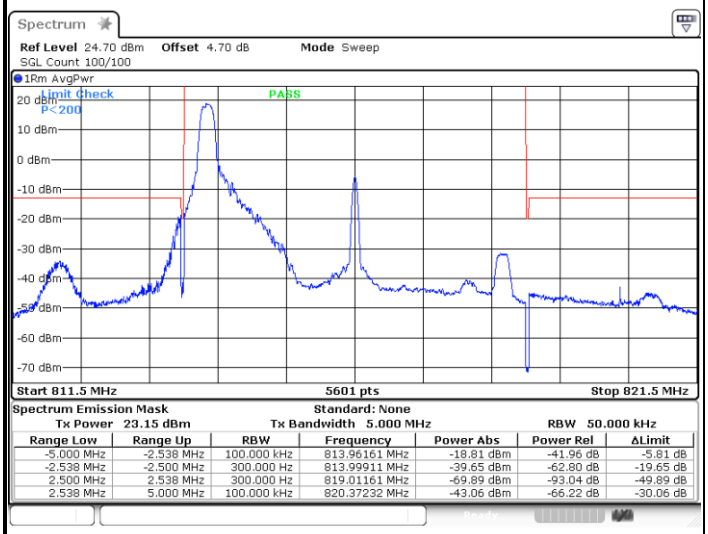
Spectrum Emission Mask Standard: None
Tx Power 22.40 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.95446 MHz	-25.54 dBm	-47.94 dB	-12.54 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.97411 MHz	-49.60 dBm	-72.00 dB	-29.60 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.01518 MHz	-50.35 dBm	-72.76 dB	-30.35 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.05982 MHz	-25.42 dBm	-47.83 dB	-12.42 dB

Date: 9.JUN.2021 15:38:29

LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB

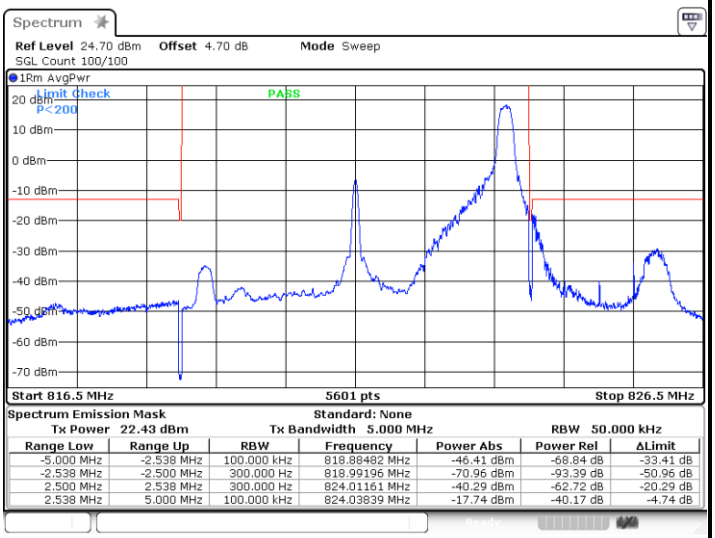


Spectrum Emission Mask Standard: None
Tx Power 23.15 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.96161 MHz	-18.81 dBm	-41.96 dB	-5.81 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99911 MHz	-39.65 dBm	-62.80 dB	-19.65 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.01161 MHz	-69.89 dBm	-93.04 dB	-49.89 dB
2.538 MHz	5.000 MHz	100.000 kHz	820.37232 MHz	-43.06 dBm	-66.22 dB	-30.06 dB

Date: 9.JUN.2021 15:34:08

Highest Band Edge / 1 RB

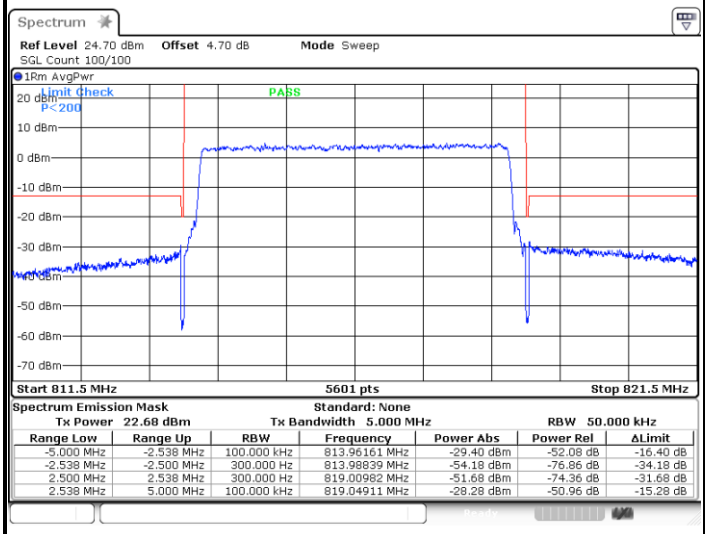


Spectrum Emission Mask Standard: None
Tx Power 22.43 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.88482 MHz	-46.41 dBm	-68.84 dB	-33.41 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99196 MHz	-70.96 dBm	-93.39 dB	-50.96 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.01161 MHz	-40.29 dBm	-62.72 dB	-20.29 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-17.74 dBm	-40.17 dB	-4.74 dB

Date: 9.JUN.2021 15:40:37

Lowest Band Edge / Full RB

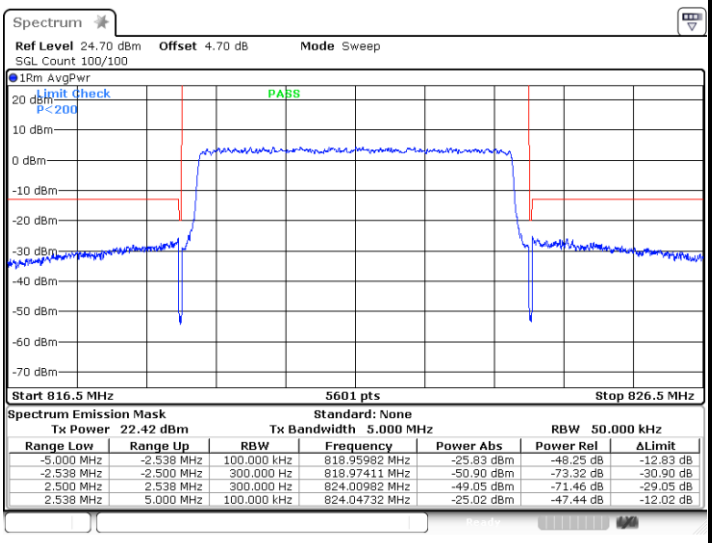


Spectrum Emission Mask Standard: None
Tx Power 22.68 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.96161 MHz	-29.40 dBm	-52.08 dB	-16.40 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.98839 MHz	-54.18 dBm	-76.86 dB	-34.18 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00982 MHz	-51.68 dBm	-74.36 dB	-31.68 dB
2.538 MHz	5.000 MHz	100.000 kHz	819.04911 MHz	-28.28 dBm	-50.96 dB	-15.28 dB

Date: 9.JUN.2021 15:35:04

Highest Band Edge / Full RB



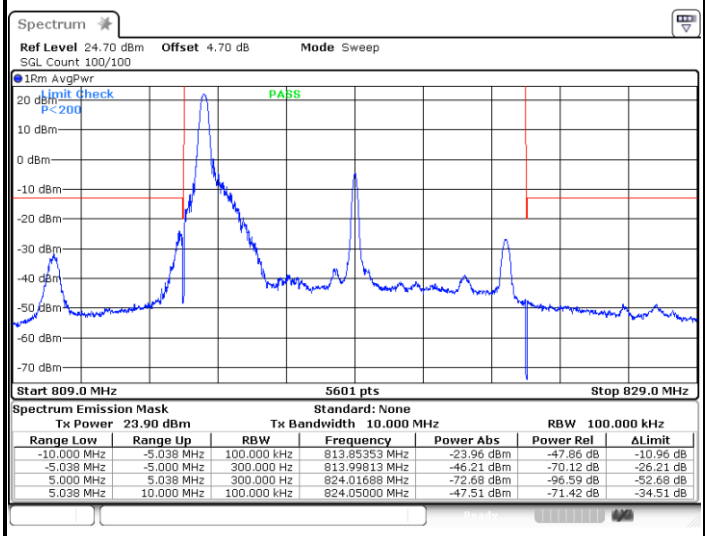
Spectrum Emission Mask Standard: None
Tx Power 22.42 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.95982 MHz	-25.83 dBm	-48.25 dB	-12.83 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.97411 MHz	-50.90 dBm	-73.32 dB	-30.90 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00982 MHz	-49.05 dBm	-71.46 dB	-29.05 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.04732 MHz	-25.02 dBm	-47.44 dB	-12.02 dB

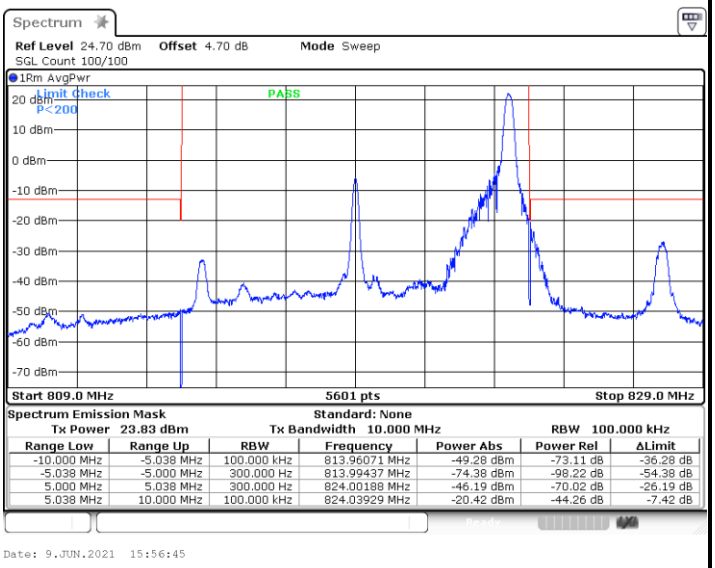
Date: 9.JUN.2021 15:39:28

LTE Band 26 / 10MHz / QPSK

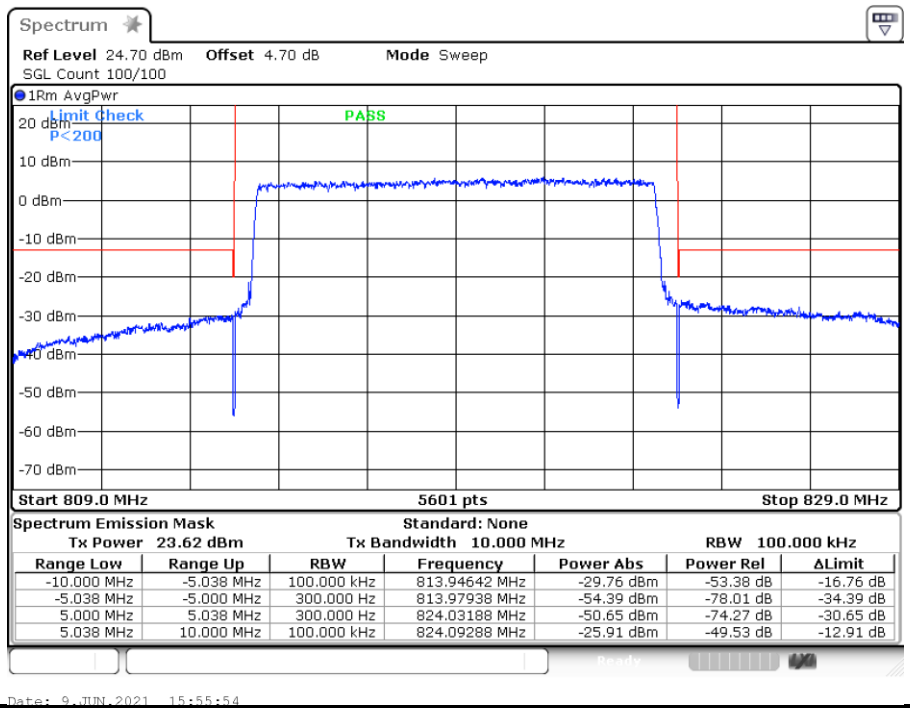
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

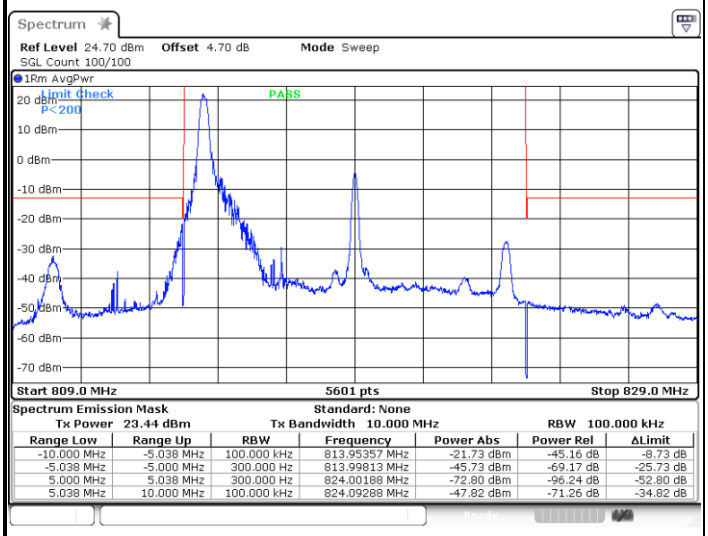


Band Edge / Full RB



LTE Band 26 / 10MHz / 16QAM

Middle Band Edge / 1 RB

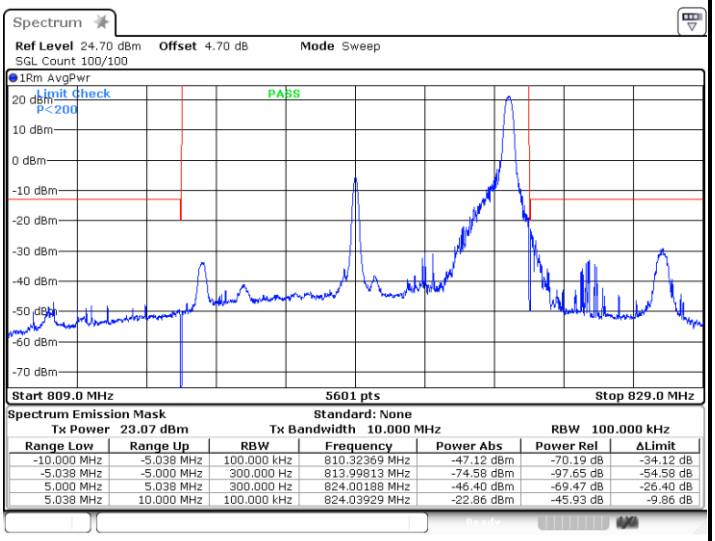


Spectrum Emission Mask Standard: None
Tx Power 23.44 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.95357 MHz	-21.73 dBm	-45.16 dB	-8.73 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-45.73 dBm	-69.17 dB	-25.73 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-72.80 dBm	-96.24 dB	-52.80 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.09288 MHz	-47.82 dBm	-71.26 dB	-34.82 dB

Date: 9.JUN.2021 15:49:51

Middle Band Edge / 1 RB max

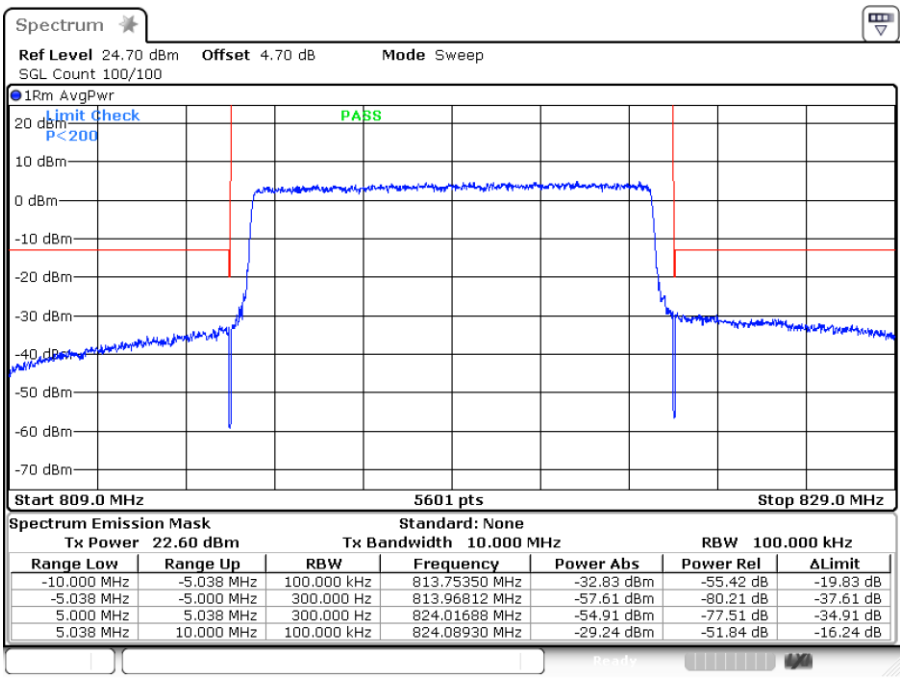


Spectrum Emission Mask Standard: None
Tx Power 23.07 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	810.32369 MHz	-47.12 dBm	-70.19 dB	-34.12 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-74.58 dBm	-97.65 dB	-54.58 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-46.40 dBm	-69.47 dB	-26.40 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.03929 MHz	-22.86 dBm	-45.93 dB	-9.86 dB

Date: 9.JUN.2021 15:57:27

Band Edge / Full RB



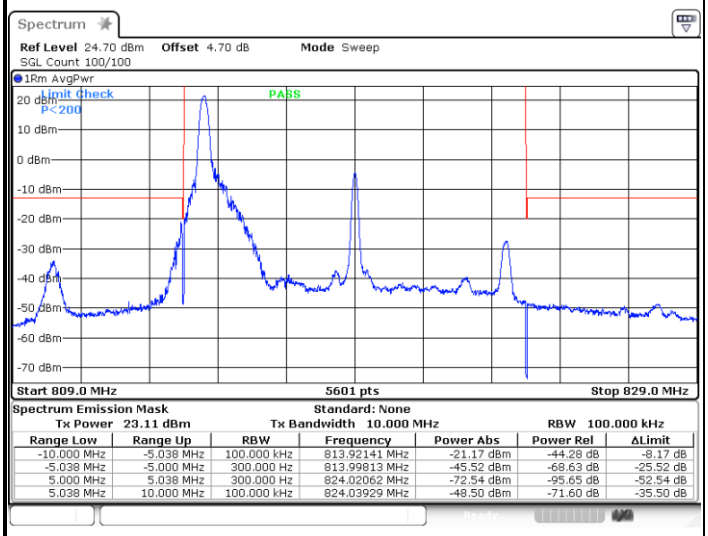
Spectrum Emission Mask Standard: None
Tx Power 22.60 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.75350 MHz	-32.83 dBm	-55.42 dB	-19.83 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.96812 MHz	-57.61 dBm	-80.21 dB	-37.61 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.01688 MHz	-54.91 dBm	-77.51 dB	-34.91 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.08930 MHz	-29.24 dBm	-51.84 dB	-16.24 dB

Date: 9.JUN.2021 15:53:52

LTE Band 26 / 10MHz / 64QAM

Middle Band Edge / 1 RB

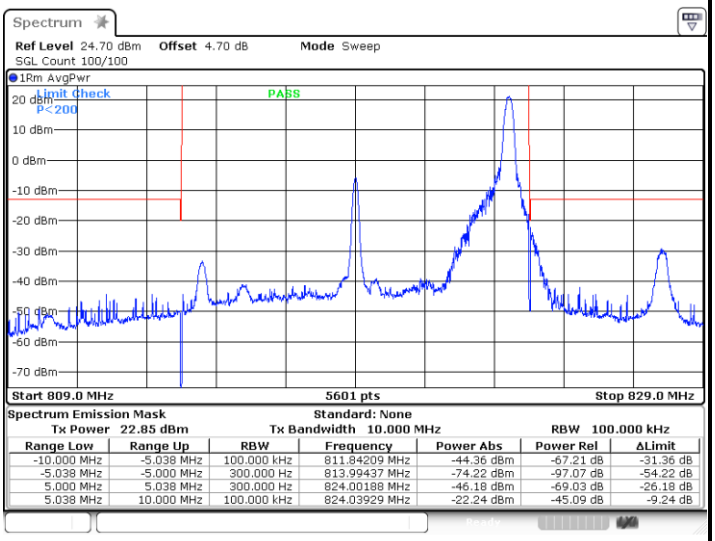


Spectrum Emission Mask Standard: None
Tx Power 23.11 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.92141 MHz	-21.17 dBm	-44.28 dB	-8.17 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-45.52 dBm	-68.63 dB	-25.52 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.02062 MHz	-72.54 dBm	-95.65 dB	-52.54 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.03929 MHz	-48.50 dBm	-71.60 dB	-35.50 dB

Date: 9.JUN.2021 15:50:32

Middle Band Edge / 1 RB max



Spectrum Emission Mask Standard: None
Tx Power 22.85 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	811.84209 MHz	-44.36 dBm	-67.21 dB	-31.36 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99437 MHz	-74.22 dBm	-97.07 dB	-54.22 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-46.18 dBm	-69.03 dB	-26.18 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.03929 MHz	-22.24 dBm	-45.09 dB	-9.24 dB

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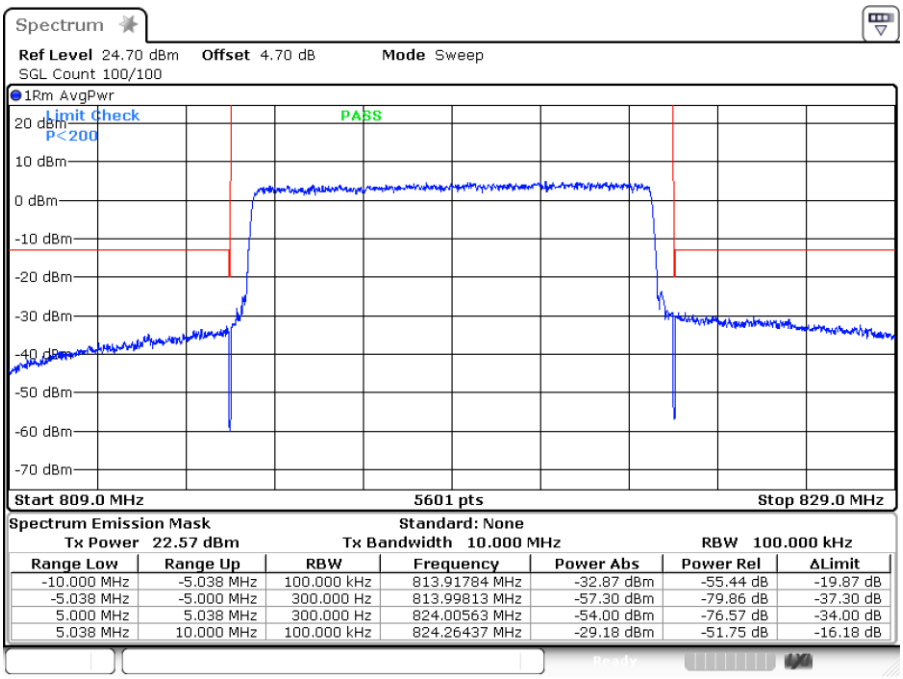
Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 22.57 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.91784 MHz	-32.87 dBm	-55.44 dB	-19.87 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-57.30 dBm	-79.86 dB	-37.30 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00563 MHz	-54.00 dBm	-76.57 dB	-34.00 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.26437 MHz	-29.18 dBm	-51.75 dB	-16.18 dB

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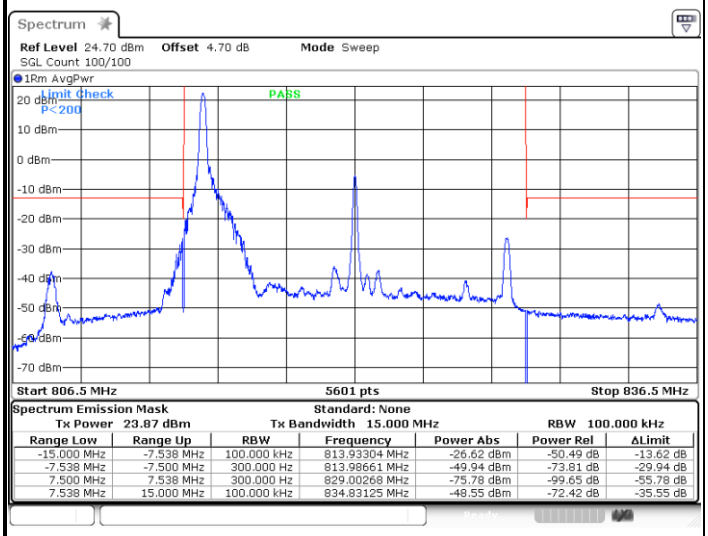
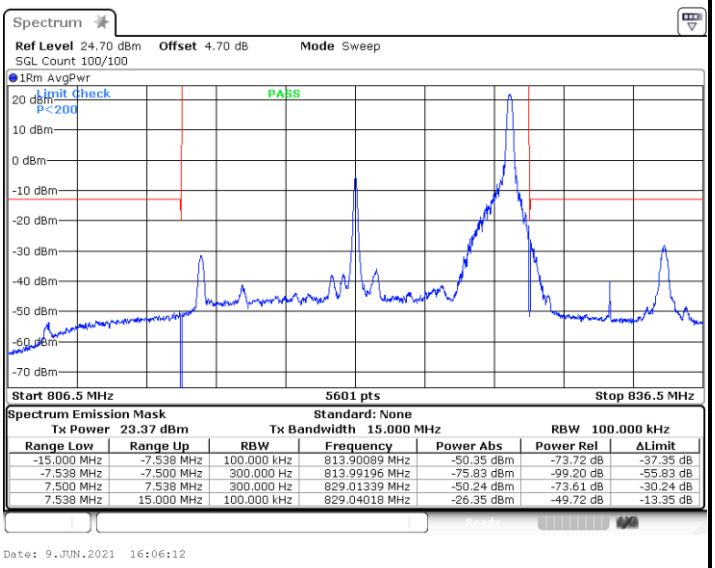
LTE Band 26 / 15MHz / QPSK

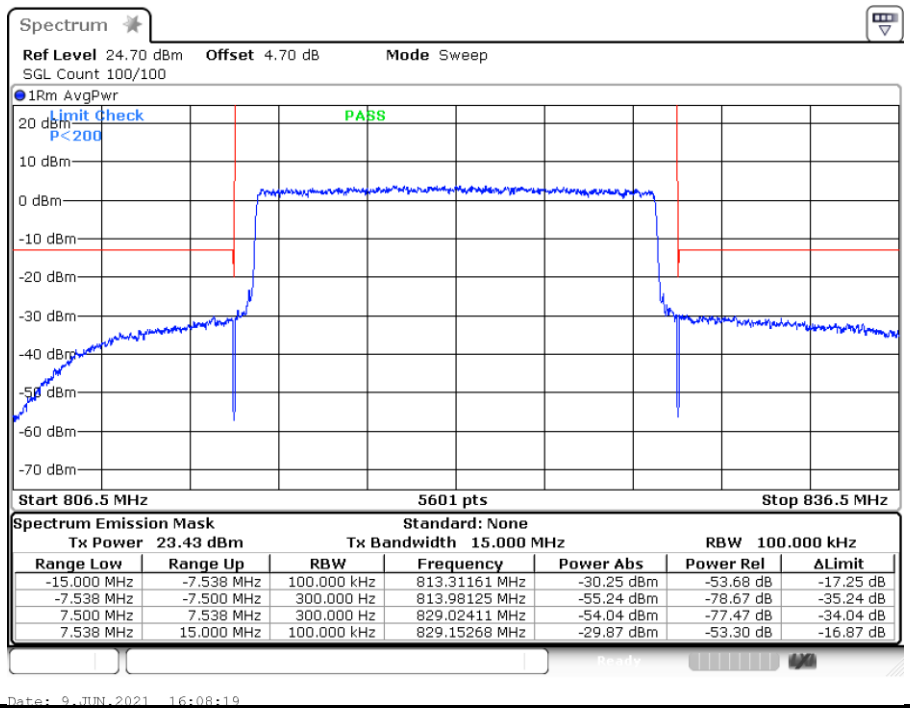
Lowest Band Edge / 1 RB



Lowest Band Edge / 1 RB max

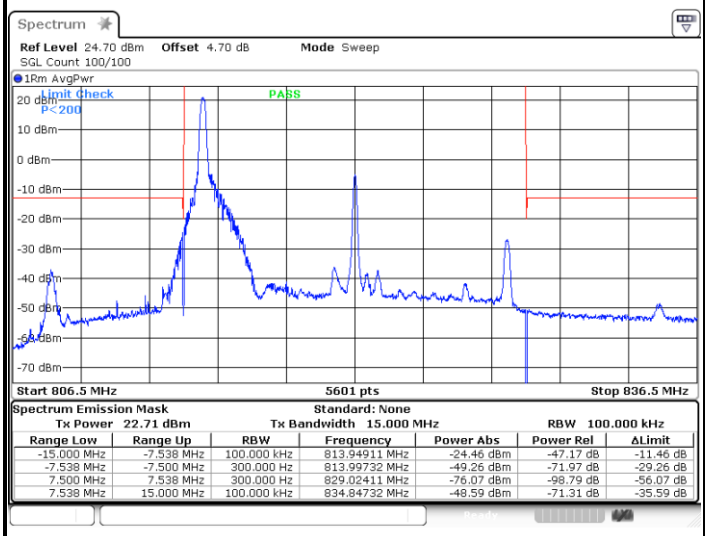


Band Edge / Full RB

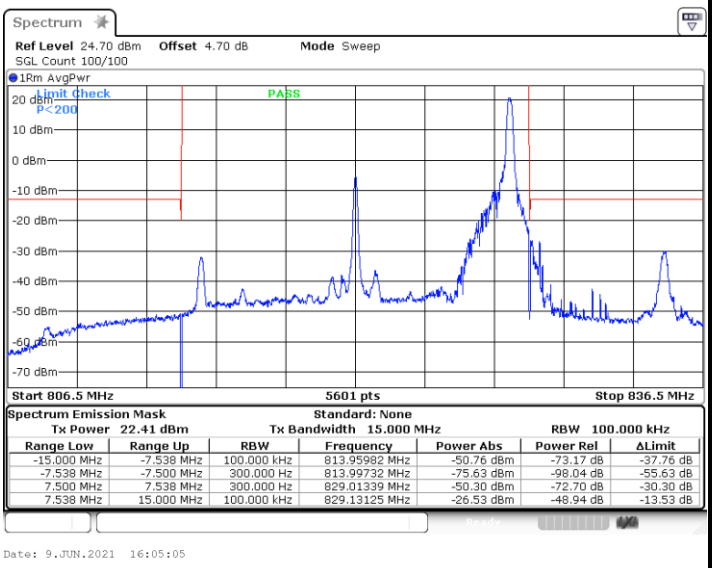


LTE Band 26 / 15MHz / 16QAM

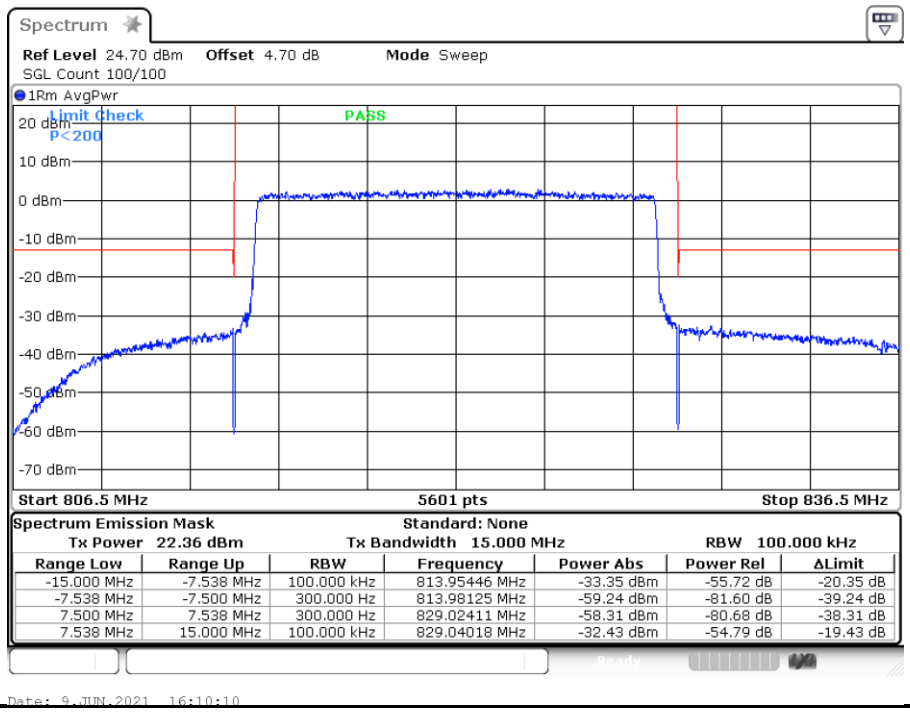
Lowest Band Edge / 1 RB



Lowest Band Edge / 1 RB max

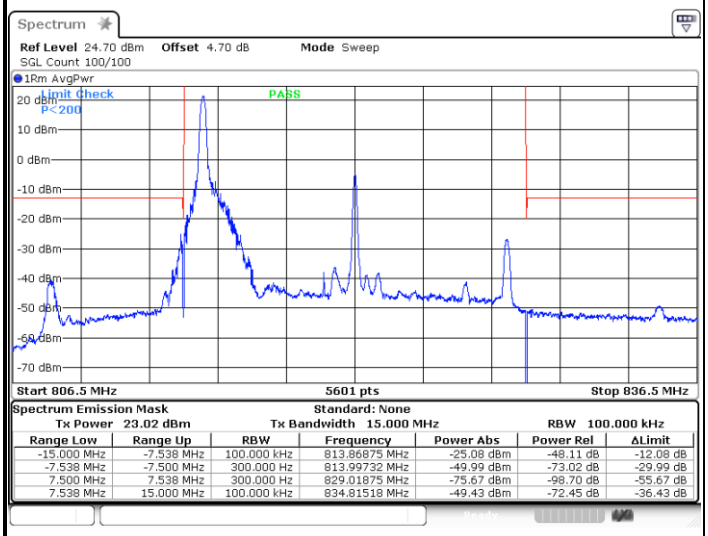


Band Edge / Full RB

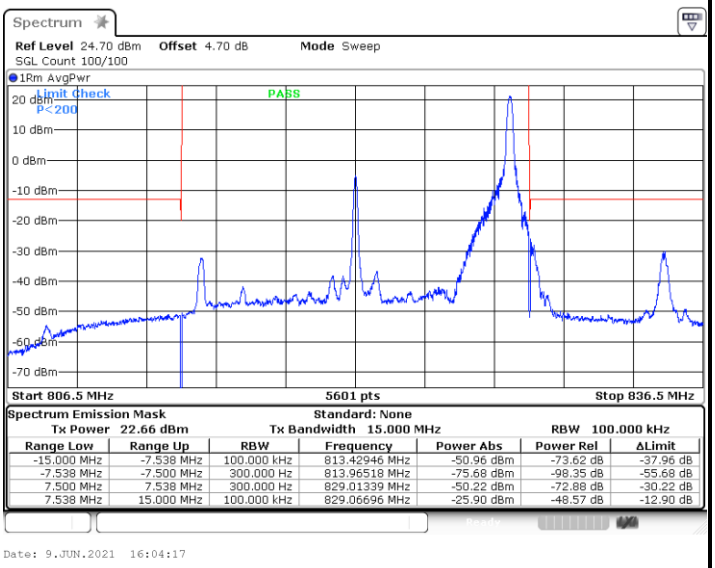


LTE Band 26 / 15MHz / 64QAM

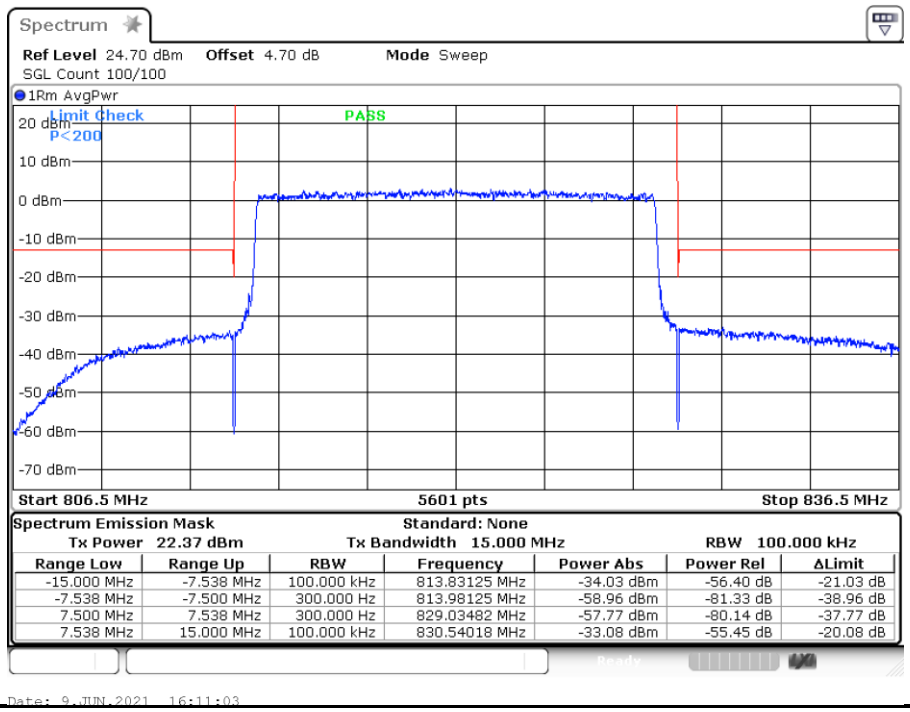
Lowest Band Edge / 1 RB



Lowest Band Edge / 1 RB max



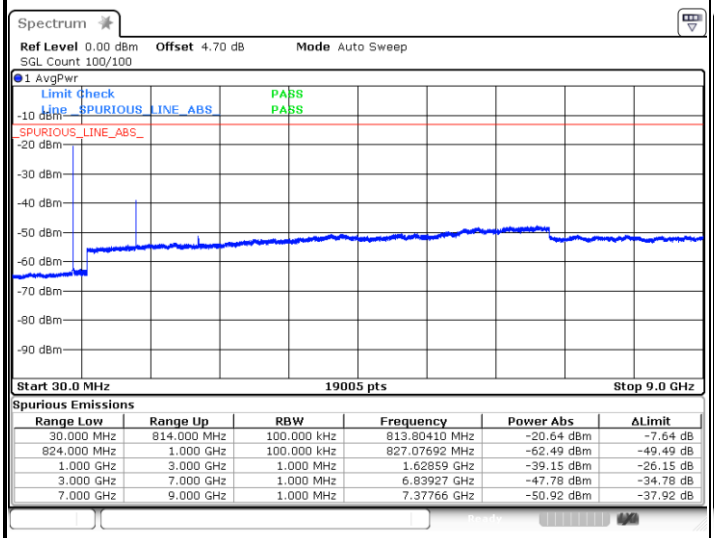
Band Edge / Full RB



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

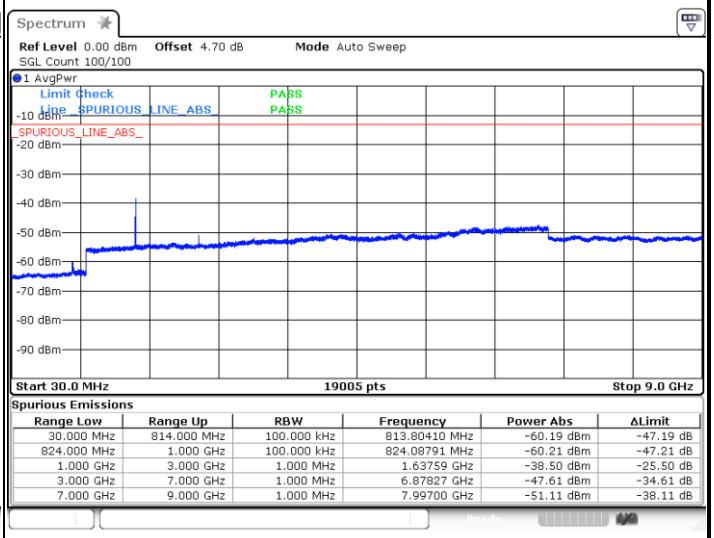


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-20.64 dBm	-7.64 dB
824.000 MHz	1.000 GHz	100.000 kHz	827.07692 MHz	-62.49 dBm	-49.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-39.15 dBm	-26.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83927 GHz	-47.78 dBm	-34.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37766 GHz	-50.92 dBm	-37.92 dB

Date: 9.JUN.2021 14:20:57

Middle Channel / QPSK

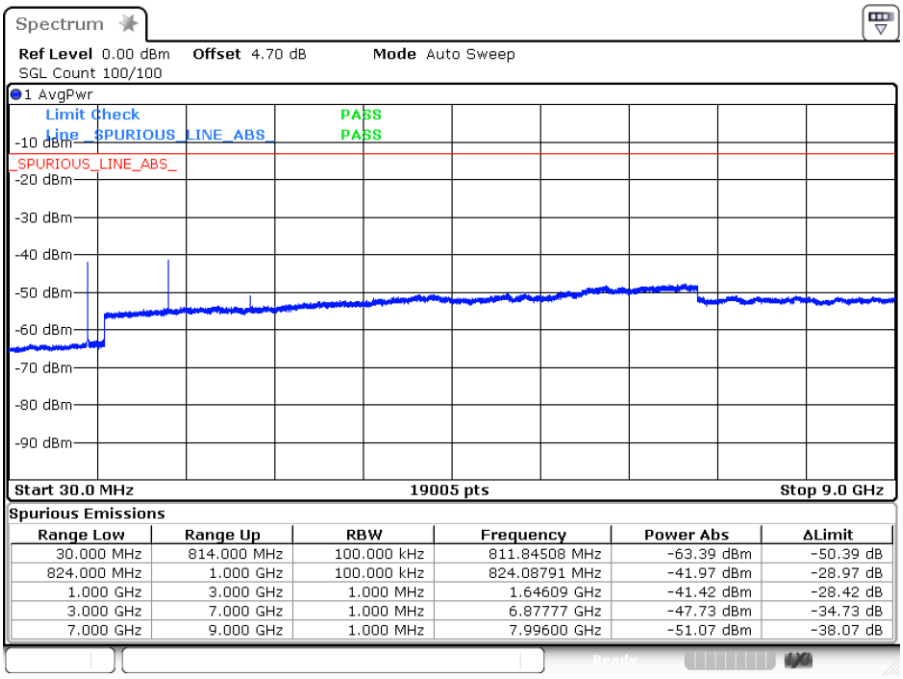


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-60.19 dBm	-47.19 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.08791 MHz	-60.21 dBm	-47.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-38.50 dBm	-25.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87827 GHz	-47.61 dBm	-34.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99700 GHz	-51.11 dBm	-38.11 dB

Date: 9.JUN.2021 14:19:26

Highest Channel / QPSK



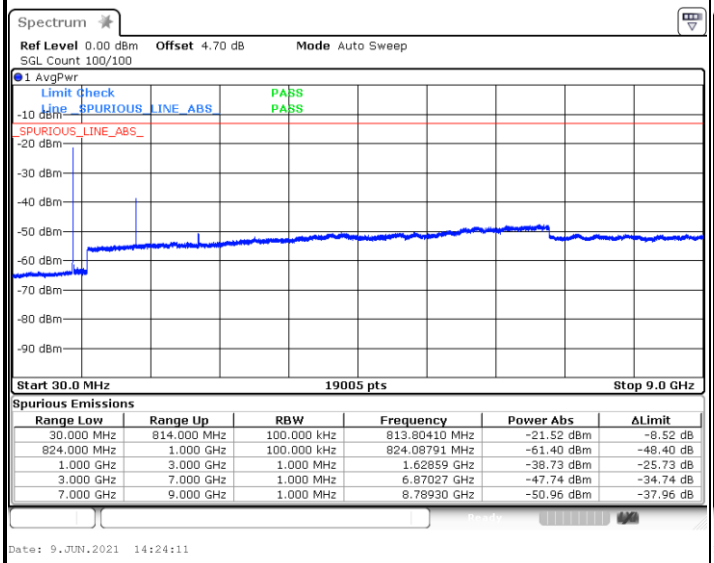
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	811.84508 MHz	-63.39 dBm	-50.39 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.08791 MHz	-41.97 dBm	-28.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-41.42 dBm	-28.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87777 GHz	-47.73 dBm	-34.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99600 GHz	-51.07 dBm	-38.07 dB

Date: 9.JUN.2021 14:17:45

LTE Band 26 / 3MHz

Lowest Channel / QPSK

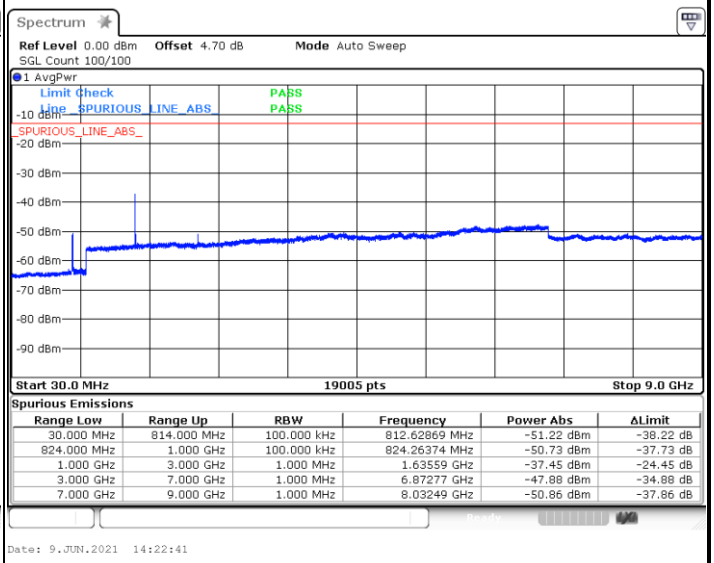


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-21.52 dBm	-8.52 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.08791 MHz	-61.40 dBm	-48.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-38.73 dBm	-25.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87027 GHz	-47.74 dBm	-34.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78930 GHz	-50.96 dBm	-37.96 dB

Date: 9.JUN.2021 14:24:11

Middle Channel / QPSK

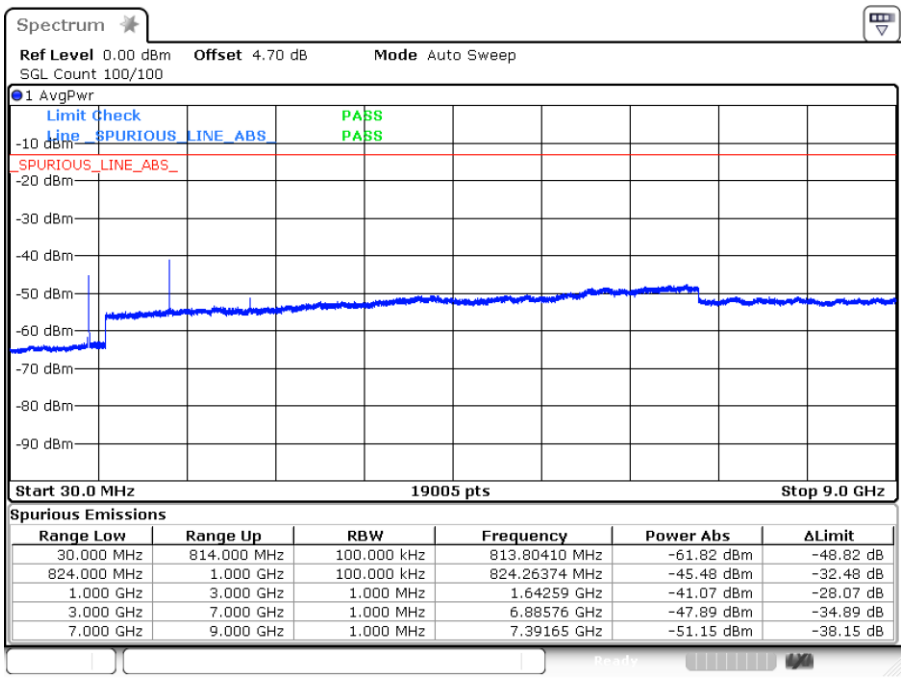


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	812.62869 MHz	-51.22 dBm	-38.22 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.26374 MHz	-50.73 dBm	-37.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-37.45 dBm	-24.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87277 GHz	-47.88 dBm	-34.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.03249 GHz	-50.86 dBm	-37.86 dB

Date: 9.JUN.2021 14:22:41

Highest Channel / QPSK



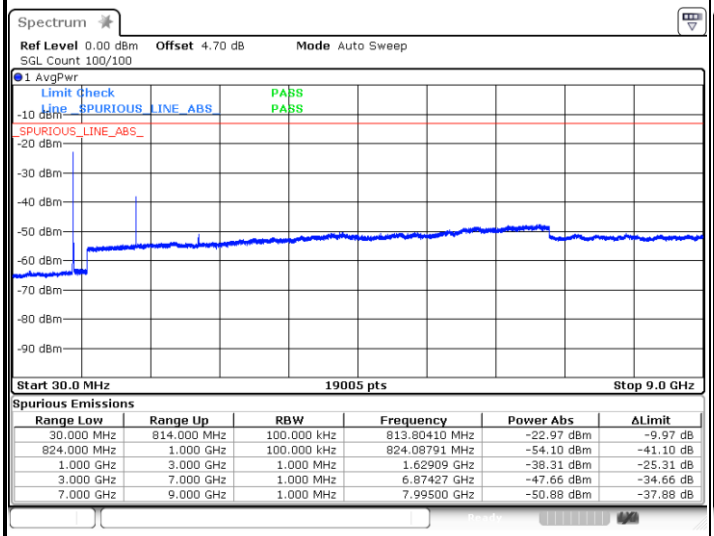
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.82 dBm	-48.82 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.26374 MHz	-45.48 dBm	-32.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-41.07 dBm	-28.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88576 GHz	-47.89 dBm	-34.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.39165 GHz	-51.15 dBm	-38.15 dB

Date: 9.JUN.2021 15:26:20

LTE Band 26 / 5MHz

Lowest Channel / QPSK

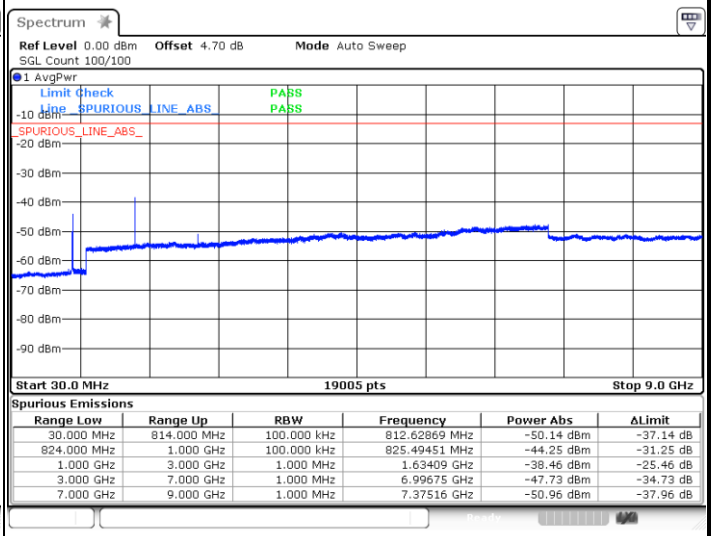


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-22.97 dBm	-9.97 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.08791 MHz	-54.10 dBm	-41.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-38.31 dBm	-25.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87427 GHz	-47.66 dBm	-34.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99500 GHz	-50.88 dBm	-37.88 dB

Date: 9.JUN.2021 15:30:31

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	812.62869 MHz	-50.14 dBm	-37.14 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.49451 MHz	-44.25 dBm	-31.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-38.46 dBm	-25.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-47.73 dBm	-34.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37516 GHz	-50.96 dBm	-37.96 dB

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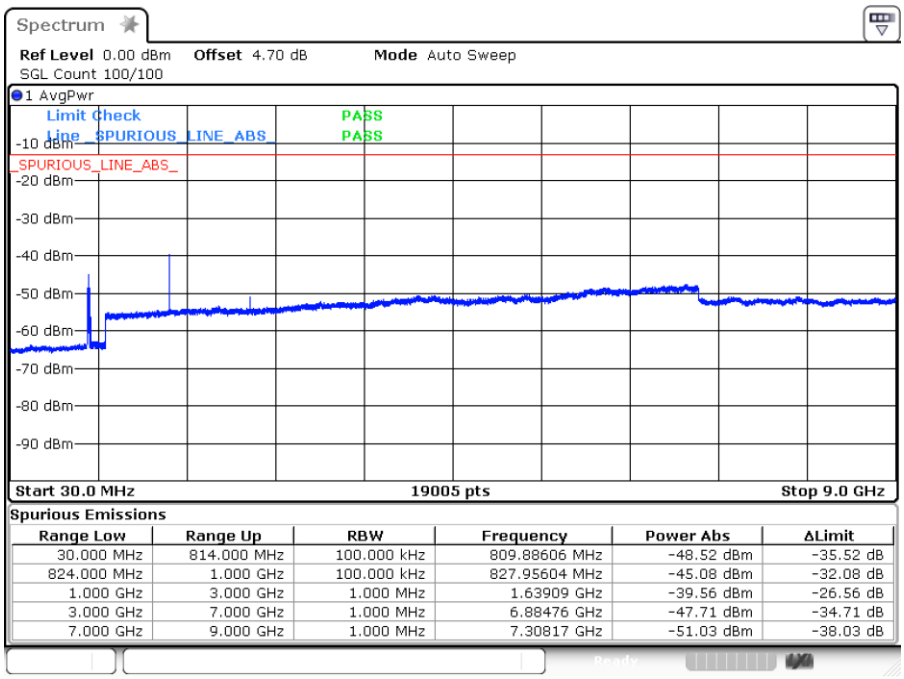
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	809.88606 MHz	-48.52 dBm	-35.52 dB
824.000 MHz	1.000 GHz	100.000 kHz	827.95604 MHz	-45.08 dBm	-32.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-39.56 dBm	-26.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88476 GHz	-47.71 dBm	-34.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.30817 GHz	-51.03 dBm	-38.03 dB

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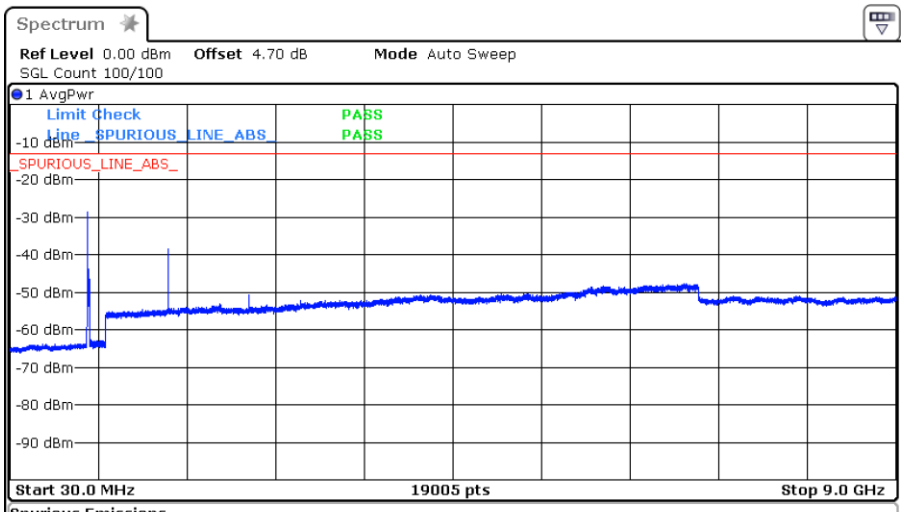
LTE Band 26 / 10MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-28.69 dBm	-15.69 dB
824.000 MHz	1.000 GHz	100.000 kHz	829.89011 MHz	-44.03 dBm	-31.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-38.46 dBm	-25.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85027 GHz	-47.89 dBm	-34.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.35166 GHz	-51.13 dBm	-38.13 dB

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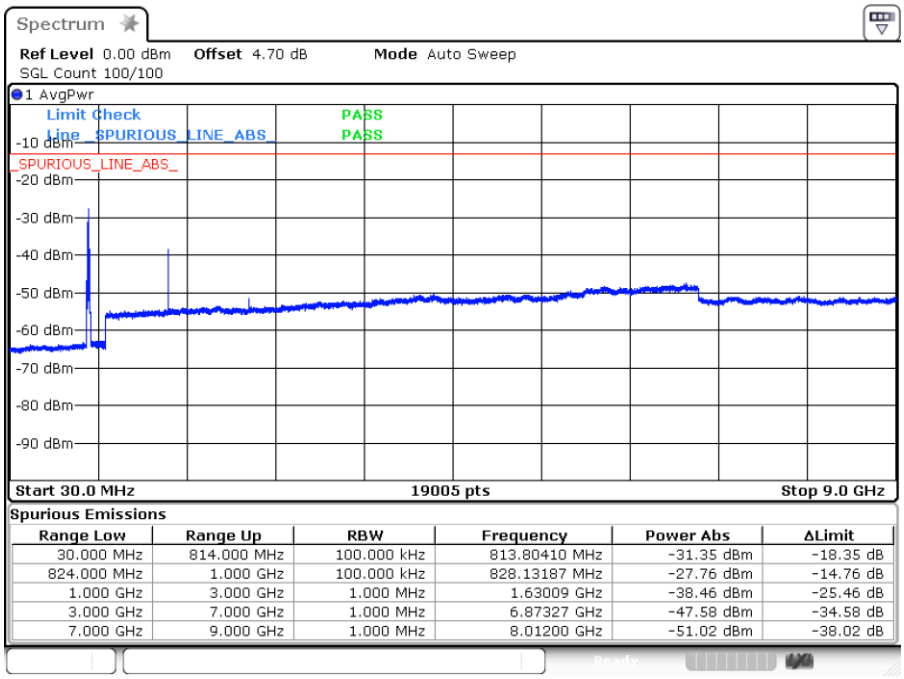
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-31.35 dBm	-18.35 dB
824.000 MHz	1.000 GHz	100.000 kHz	828.13187 MHz	-27.76 dBm	-14.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63009 GHz	-38.46 dBm	-25.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87327 GHz	-47.58 dBm	-34.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01200 GHz	-51.02 dBm	-38.02 dB

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Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.4 V.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 26 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1632	-62.29	-13	-49.29	-69.26	1.58	10.70	H
	2444	-60.46	-13	-47.46	-68.71	2.10	12.50	H
	3258	-59.27	-13	-46.27	-68.16	2.86	13.90	H
	1630	-60.23	-13	-47.23	-67.20	1.58	10.70	V
	2444	-58.30	-13	-45.30	-66.55	2.10	12.50	V
	3258	-59.09	-13	-46.09	-67.98	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.