FCC RF Test Report

APPLICANT	:	Xiaomi Communications Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	Xiaomi
MODEL NAME	:	2201122G
FCC ID	:	2AFZZ122G
STANDARD	:	47 CFR Part 2, 27(M)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Aug. 10, 2021 ~ Dec. 02, 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

Alex wang

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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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG1O1701C	Rev. 01	Initial issue of report	Dec. 20, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt	PASS	-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)	PASS	-
3.8	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< $55+10\log_{10}$(P[Watts])	PASS	-
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< $55+10\log_{10}$(P[Watts])	PASS	Under limit 26.73 dB at 5168.000 MHz

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

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	2201122G
FCC ID	2AFZZ122G
IMEI Code	Conducted: 863690050059314/ 863690050059322 Radiation: 863690050059678/863690050059686
HW Version	P2.1
SW Version	MIUI 13
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	**<Ant 0>** LTE Band 7 : 21.57 dBm LTE Band 38 : 21.58 dBm LTE Band 41 : 22.38 dBm 20.98 LTE Band 7_CA : 21.11 dBm LTE Band 38_CA : 21.34 dBm **<Ant 3>** LTE Band 7 : 24.46 dBm LTE Band 38 : 24.40 dBm LTE Band 41 : 24.41 dBm 20.63 LTE Band 7_CA : 24.00 dBm

	LTE Band 38_CA : 24.17 dBm **<Ant 4>** LTE Band 7 : 23.50 dBm LTE Band 38 : 23.08 dBm LTE Band 41 : 23.10 dBm LTE Band 7_CA : 23.33 dBm LTE Band 38_CA : 22.74 dBm **<Ant 5>** LTE Band 7 : 23.16 dBm LTE Band 38 : 23.24 dBm LTE Band 41 : 23.27 dBm 20.63 LTE Band 7_CA : 22.70 dBm LTE Band 38_CA : 22.74 dBm
Antenna Gain	**<Ant 0>** LTE Band 7 : -3.0 dBi LTE Band 38 : -3.0 dBi LTE Band 41 : -3.0 dBi **<Ant 3>** LTE Band 7 : -1.5 dBi LTE Band 38 : -1.5 dBi LTE Band 41 : -1.5 dBi **<Ant 4>** LTE Band 7 : -2.4 dBi LTE Band 38 : -2.4 dBi LTE Band 41 : -2.4 dBi **<Ant 5>** LTE Band 7 : -2.6 dBi LTE Band 38 : -2.6 dBi LTE Band 41 : -2.6 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Remark: The maximum ERP/EIRP is calculated from max output power and antenna gain, only the maximum ERP/EIRP is shown in the report: LTE B7/38/41 for Ant.3.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

LTE Band 7		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2510.0 ~ 2560.0	0.1977	18M3G7D	0.1549	18M4W7D
LTE Band 38		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2580.0 ~ 2610.0	0.1954	18M3G7D	0.1552	18M3W7D
LTE Band 41		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2506.0 ~ 2680.0	0.1954	18M3G7D	0.1552	18M3W7D

LTE Band 7 CA	QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz	0.1778	37M8G7D	0.1535	37M9W7D
LTE Band 38 CA	QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz	0.1849	38M0G7D	0.1656	37M7W7D

Note:LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.

1.7 Testing Location

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	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a

1.9 Applicable Standards

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

- 47 CFR Part 2, 27(M)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC 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

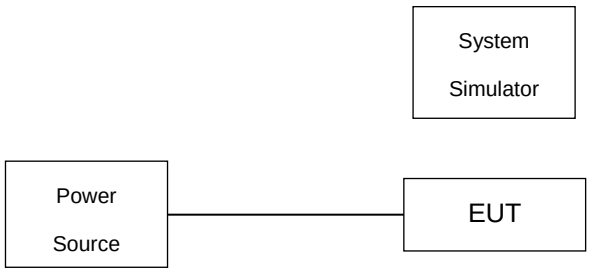
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v	v			v		v	
	41	-	-				v	v	v	v	v			v		v	
26dB and 99% Bandwidth	7	-	-				v	v	v					v		v	
	41	-	-				v	v	v					v		v	
Conducted Band Edge	7	-	-	v	v	v	v	v	v	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7	-	-	v	v	v	v	v				v			v	v	v
	41	-	-	v	v	v	v	v				v			v	v	v
Frequency Stability	7	-	-				v	v						v		v	
	41	-	-				v	v						v		v	
E.R.P / E.I.R.P	7	-	-	v	v	v	v	v	v	v	v	v			v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	7		Worst Case													v	
	41		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. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation.																

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	7C_CA	v					-	-			-	v	v					v		v	
	38C_CA	v	-	-	-	-	-	-		-	-	v	v					v		v	
Conducted Band Edge	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v		v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7C_CA	v	v	v	v	v	-	-	v	v	-	v				v			v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v				v			v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v			v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v			v	v	v
Radiated Spurious Emission	7C_CA		Worst Case																	v	
	38C_CA		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. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation.																				

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.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	MI	EM023	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 6.0dB.

Example :

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

= 6.0 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5

LTE Band 7C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7

LTE Band 38C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

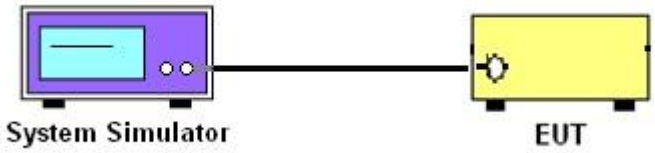
3 Conducted Test Items

3.1 Measuring Instruments

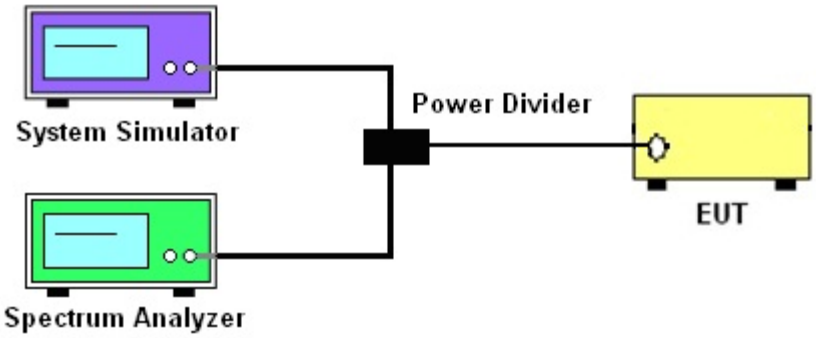
See list of measuring instruments of this test report.

3.2 Test Setup

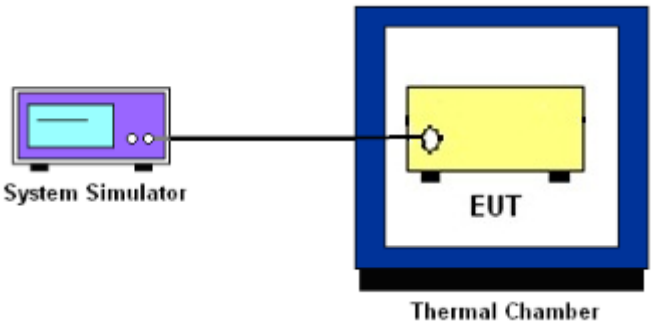
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7 and Band 38 and Band 41.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 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.

3.6.2 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.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.7.2 Test Procedures

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

   Example:

   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

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

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

For Band 7,38,41:

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 55 + 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.

3.8.2 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. 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 RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 7, 38, 41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

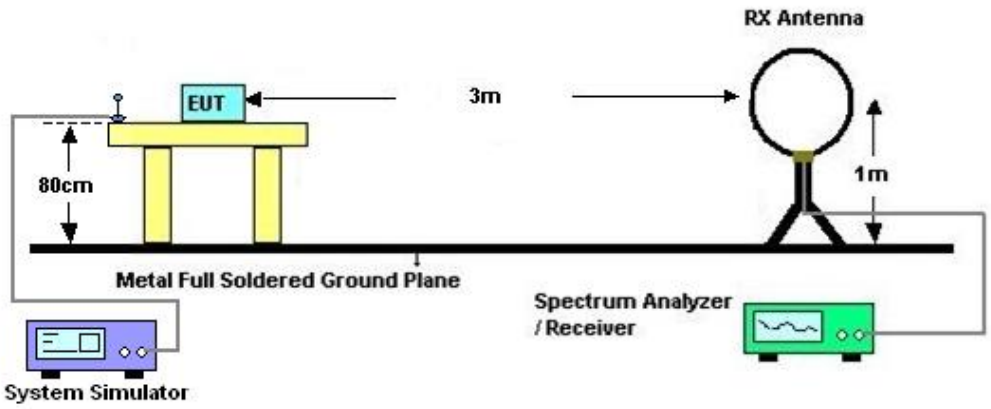
4 Radiated Test Items

4.1 Measuring Instruments

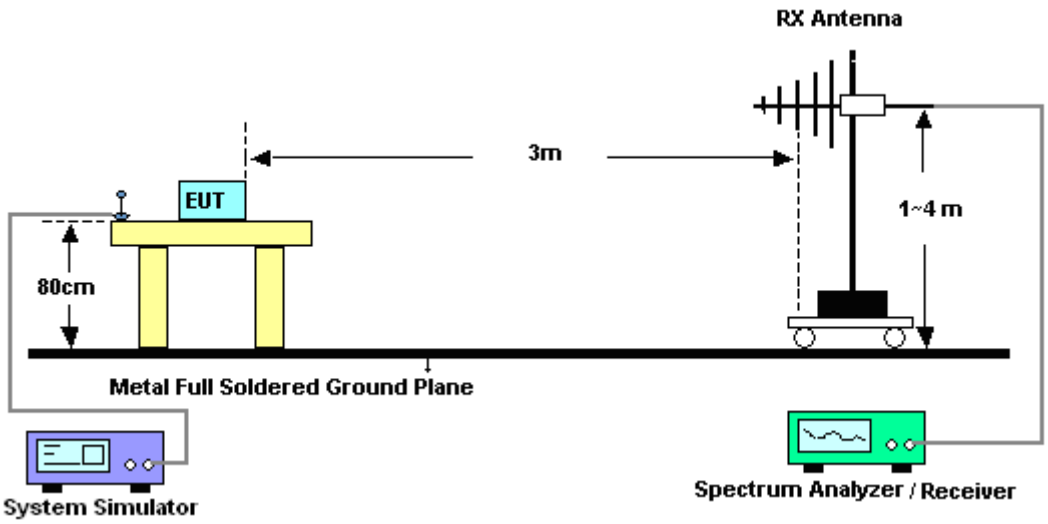
See list of measuring instruments of this test report.

4.2 Test Setup

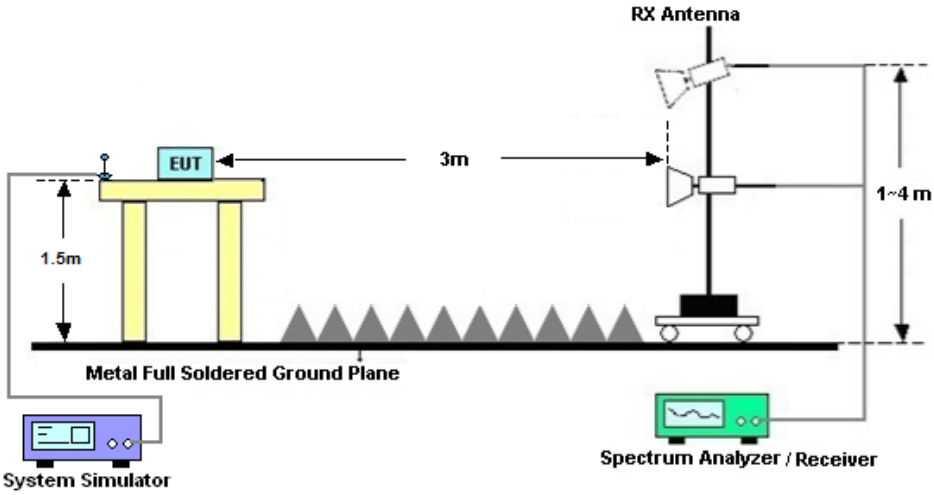
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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.

4.4 Radiated Spurious Emission

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 Band 7, 38, 41

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 55 + 10 log (P) dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

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.
13. For Band 7, 38, 41:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 15, 2020	Aug. 10, 2021~ Nov. 21, 2021	Oct. 14, 2021	Conducted (TH01-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021		Oct. 13, 2022	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 12, 2021	Aug. 10, 2021~ Nov. 21, 2021	Jul. 11, 2022	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2021	Aug. 10, 2021~ Nov. 21, 2021	Aug. 25, 2022	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Dec. 02, 2021	Apr. 12, 2022	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Dec. 02, 2021	Oct. 29, 2022	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2021	Dec. 02, 2021	May 29, 2022	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 18, 2021	Dec. 02, 2021	Apr. 17, 2022	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 06, 2021	Dec. 02, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 06, 2021	Dec. 02, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 07, 2021	Dec. 02, 2021	Jan. 06, 2022	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jan. 06, 2021	Dec. 02, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 13, 2021	Dec. 02, 2021	Oct. 12, 2022	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 02, 2021	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 02, 2021	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 02, 2021	NCR	Radiation (03CH04-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))	**3.3dB**

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

LTE Band 7:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	24.32	24.46	24.10	0.1914	0.1977	0.1820
20	QPSK	1	99	24.35	24.24	24.17	0.1928	0.1879	0.1849
20	QPSK	100	0	23.27	23.29	23.14	0.1503	0.1510	0.1459
20	16QAM	1	0	23.40	23.21	23.02	0.1549	0.1483	0.1419
20	64QAM	1	0	22.38	22.26	21.90	0.1225	0.1191	0.1096
20	256QAM	1	0	19.48	19.29	18.98	0.0628	0.0601	0.0560
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	24.41	24.25	23.96	0.1954	0.1884	0.1762
15	16QAM	1	0	23.40	23.21	23.02	0.1549	0.1483	0.1419
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	24.25	24.45	24.08	0.1884	0.1972	0.1811
10	16QAM	1	0	23.35	23.26	23.03	0.1531	0.1500	0.1422
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	24.35	24.20	23.92	0.1928	0.1862	0.1746
5	16QAM	1	0	23.40	23.25	23.19	0.1549	0.1496	0.1476

LTE Band 38:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	24.06	24.40	24.14	0.1803	0.1950	0.1837
20	QPSK	1	99	24.10	24.24	24.10	0.1820	0.1879	0.1820
20	QPSK	100	0	23.10	23.27	23.08	0.1445	0.1503	0.1439
20	16QAM	1	0	23.04	23.29	23.16	0.1426	0.1510	0.1466
20	64QAM	1	0	22.08	22.30	22.17	0.1143	0.1202	0.1167
20	256QAM	1	0	19.00	19.32	19.17	0.0562	0.0605	0.0585
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	24.03	24.37	24.07	0.1791	0.1936	0.1807
15	16QAM	1	0	23.09	23.20	23.20	0.1442	0.1479	0.1479
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	24.11	24.26	24.15	0.1824	0.1888	0.1841
10	16QAM	1	0	23.01	23.27	23.12	0.1416	0.1503	0.1452
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	24.12	24.23	24.13	0.1828	0.1875	0.1832
5	16QAM	1	0	23.02	23.24	23.21	0.1419	0.1493	0.1483

LTE Band 41:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	24.23	24.41	24.26	0.1875	0.1954	0.1888
20	QPSK	1	99	24.23	24.34	24.29	0.1875	0.1923	0.1901
20	QPSK	100	0	23.27	23.42	23.34	0.1503	0.1556	0.1528
20	16QAM	1	0	23.31	23.41	23.25	0.1517	0.1552	0.1496
20	64QAM	1	0	22.38	22.36	22.41	0.1225	0.1219	0.1233
20	256QAM	1	0	19.33	19.53	19.30	0.0607	0.0635	0.0603
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	24.21	24.30	24.23	0.1866	0.1905	0.1875
15	16QAM	1	0	23.15	23.29	23.15	0.1462	0.1510	0.1462
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	24.39	24.21	24.32	0.1945	0.1866	0.1914
10	16QAM	1	0	23.30	23.26	23.29	0.1514	0.1500	0.1510
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	24.17	24.40	24.39	0.1849	0.1950	0.1945
5	16QAM	1	0	23.22	23.33	23.19	0.1486	0.1524	0.1476

LTE Band 7C_CA:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.94	0.1754
M	QPSK	1	Max	1	0	24.00	0.1778
H	QPSK	1	Max	1	0	23.89	0.1734
L	16QAM	1	Max	1	0	23.15	0.1462
M	16QAM	1	Max	1	0	23.36	0.1535
H	16QAM	1	Max	1	0	23.02	0.1419
L	64QAM	1	Max	1	0	19.89	0.0690
M	64QAM	1	Max	1	0	20.03	0.0713
H	64QAM	1	Max	1	0	19.78	0.0673
L	256QAM	1	Max	1	0	16.89	0.0346
M	256QAM	1	Max	1	0	16.99	0.0354
H	256QAM	1	Max	1	0	16.74	0.0334
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.26	0.1500
M	16QAM	1	Max	1	0	22.98	0.1406
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.18	0.1472
M	16QAM	1	Max	1	0	23.01	0.1416
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.03	0.1422
M	16QAM	1	Max	1	0	22.89	0.1377
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.14	0.1459
M	16QAM	1	Max	1	0	22.48	0.1253

Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.69	0.1315
M	16QAM	1	Max	1	0	22.14	0.1159
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.96	0.1400
M	16QAM	1	Max	1	0	22.39	0.1227

LTE Band 38C_CA:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	24.17	0.1849
M	QPSK	1	Max	1	0	24.07	0.1807
H	QPSK	1	Max	1	0	24.02	0.1786
L	16QAM	1	Max	1	0	23.69	0.1656
M	16QAM	1	Max	1	0	23.47	0.1574
H	16QAM	1	Max	1	0	23.36	0.1535
L	64QAM	1	Max	1	0	20.49	0.0793
M	64QAM	1	Max	1	0	20.23	0.0746
H	64QAM	1	Max	1	0	20.16	0.0735
L	256QAM	1	Max	1	0	18.34	0.0483
M	256QAM	1	Max	1	0	17.76	0.0423
H	256QAM	1	Max	1	0	17.63	0.0410
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.67	0.1648
L	16QAM	1	Max	1	0	22.91	0.1384

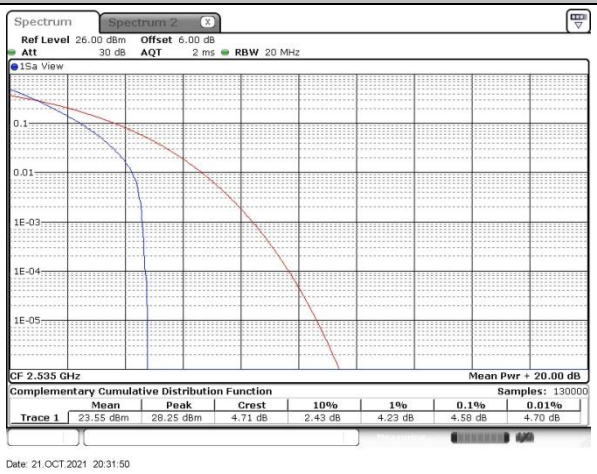
LTE Band 7-PA1

Peak-to-Average Ratio

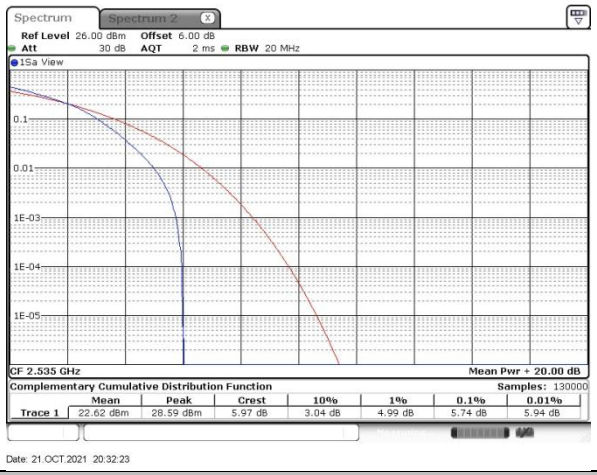
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.74	6.35	PASS
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.61			PASS

LTE Band 7 / 20MHz

Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM

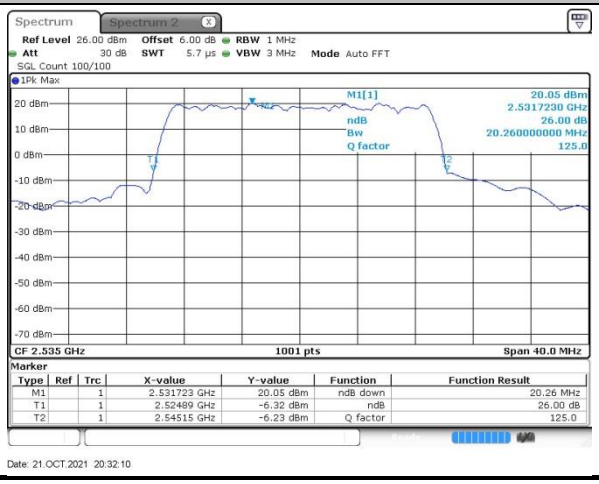
Middle Channel / Full RB/ 256QAM

26dB Bandwidth

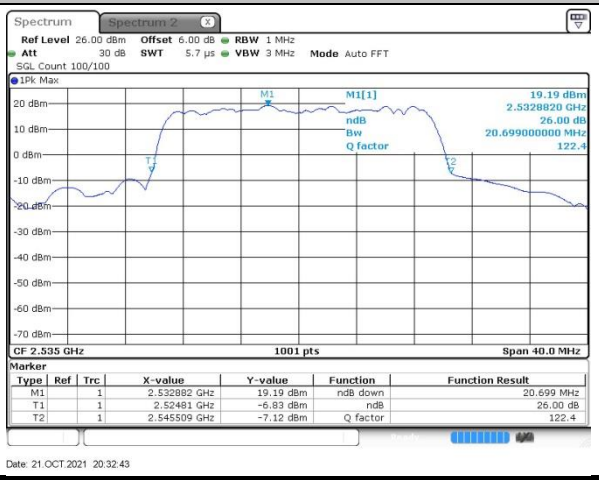
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.26	20.70

LTE Band 7

Middle Channel / 20MHz / QPSK



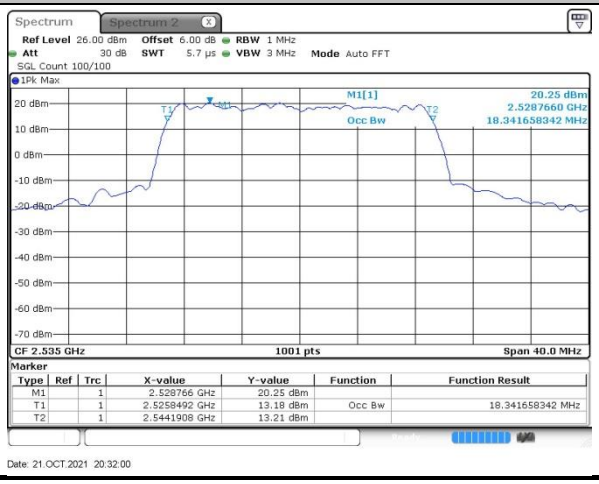
Middle Channel / 20MHz / 16QAM

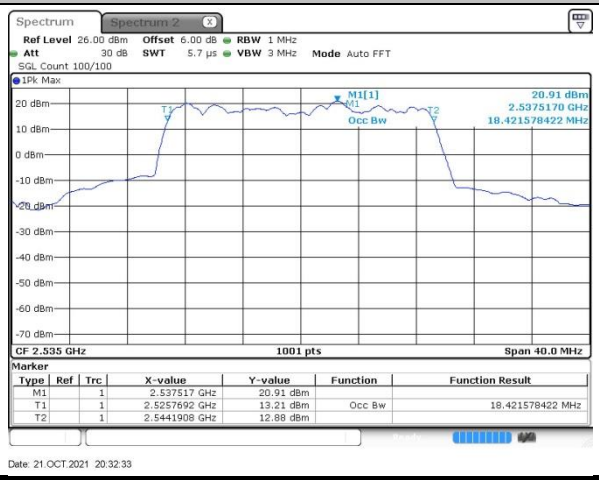


Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.34	18.42

LTE Band 7	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM

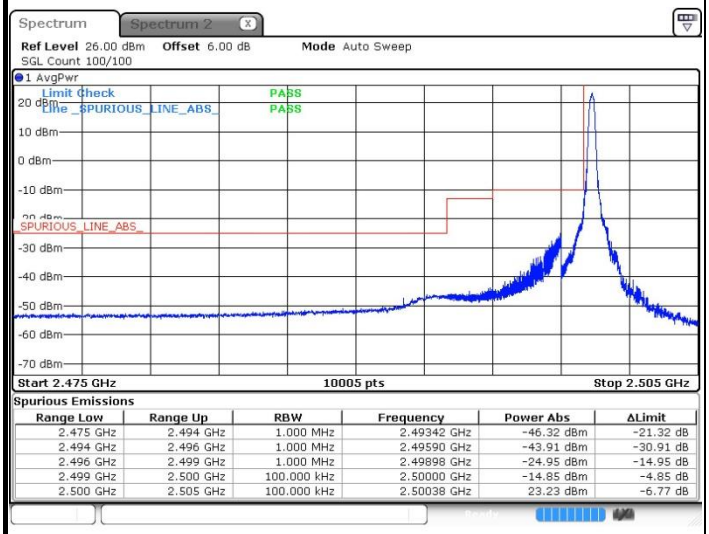




Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

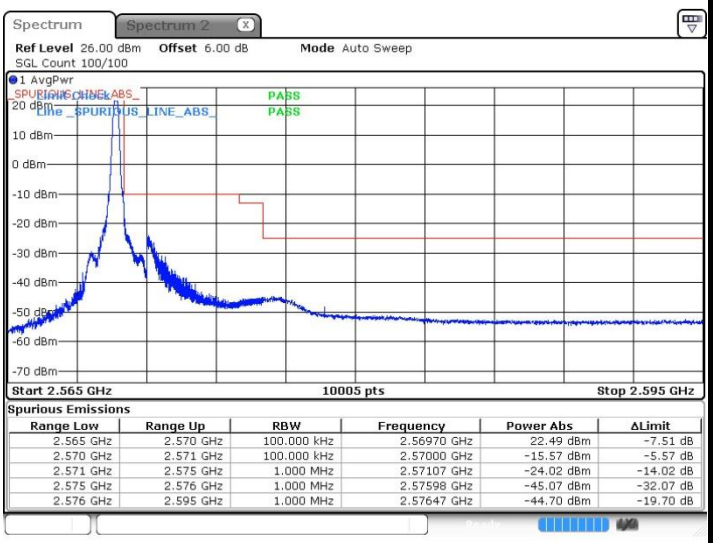


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49342 GHz	-46.32 dBm	-21.32 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49590 GHz	-43.91 dBm	-30.91 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-24.95 dBm	-14.95 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-14.85 dBm	-4.85 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50038 GHz	23.23 dBm	-6.77 dB

Date: 21.OCT.2021 19:33:31

Highest Band Edge / 1 RB

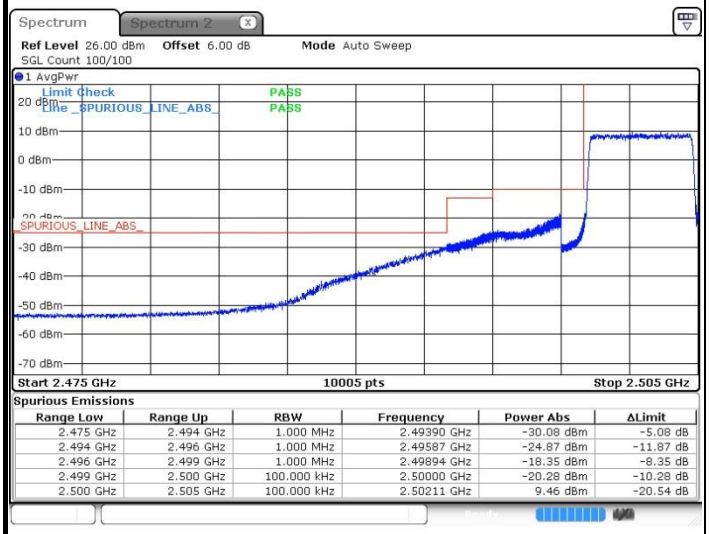


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56970 GHz	22.49 dBm	-7.51 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-15.57 dBm	-5.57 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-24.02 dBm	-14.02 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57598 GHz	-45.07 dBm	-32.07 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57647 GHz	-44.70 dBm	-19.70 dB

Date: 21.OCT.2021 19:40:26

Lowest Band Edge / Full RB

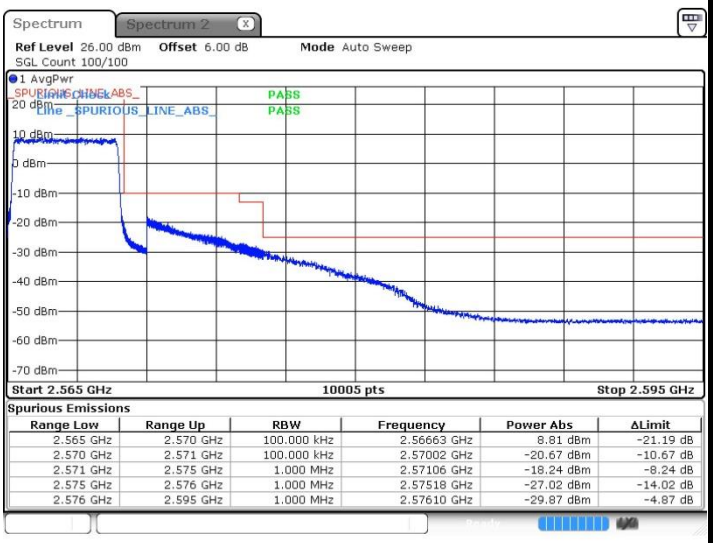


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49390 GHz	-30.08 dBm	-5.08 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49587 GHz	-24.87 dBm	-11.87 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-18.35 dBm	-8.35 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-20.28 dBm	-10.28 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50211 GHz	9.46 dBm	-20.54 dB

Date: 21.OCT.2021 19:36:30

Highest Band Edge / Full RB



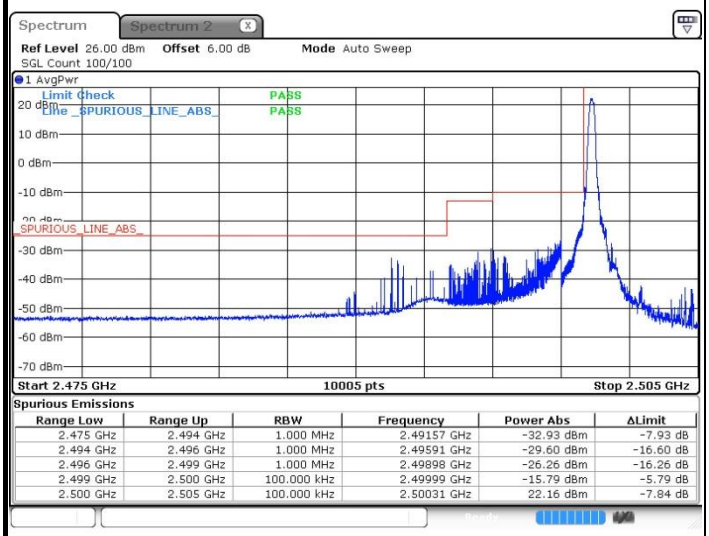
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56663 GHz	8.81 dBm	-21.19 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57002 GHz	-20.67 dBm	-10.67 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-18.24 dBm	-8.24 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57518 GHz	-27.02 dBm	-14.02 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57610 GHz	-29.87 dBm	-4.87 dB

Date: 21.OCT.2021 19:37:29

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

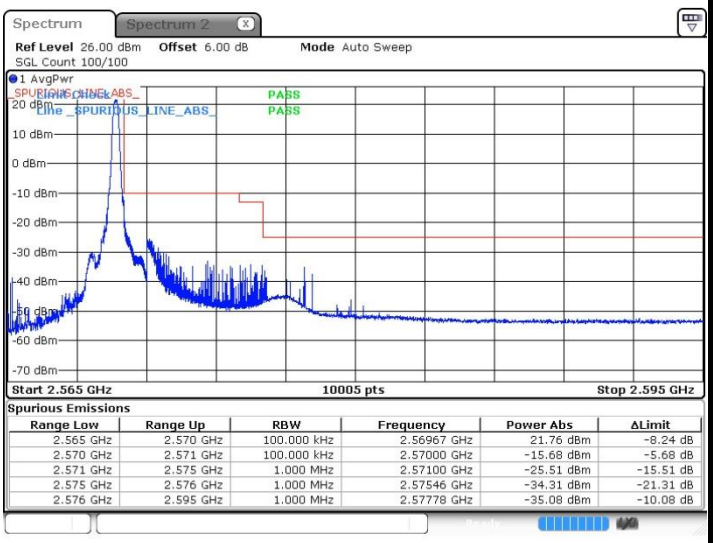


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49157 GHz	-32.93 dBm	-7.93 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-29.60 dBm	-16.60 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-26.26 dBm	-16.26 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-15.79 dBm	-5.79 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50031 GHz	22.16 dBm	-7.84 dB

Date: 21.OCT.2021 19:34:31

Highest Band Edge / 1 RB

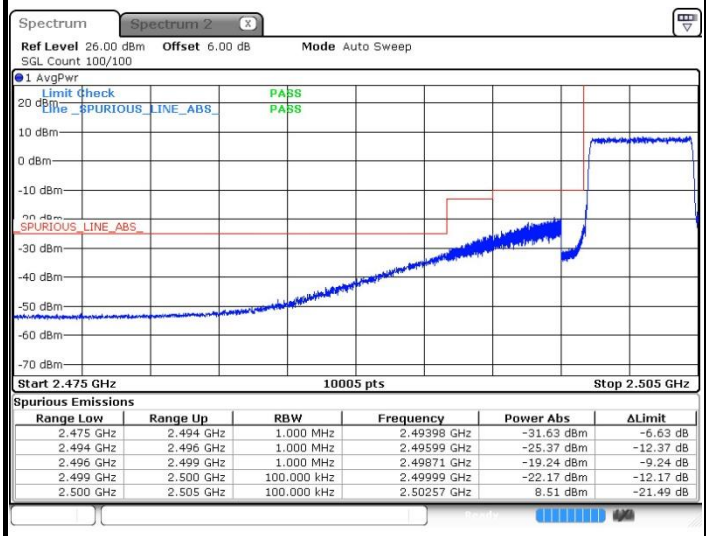


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56967 GHz	21.76 dBm	-8.24 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-15.68 dBm	-5.68 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-25.51 dBm	-15.51 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57546 GHz	-34.31 dBm	-21.31 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57778 GHz	-35.08 dBm	-10.08 dB

Date: 21.OCT.2021 19:39:27

Lowest Band Edge / Full RB

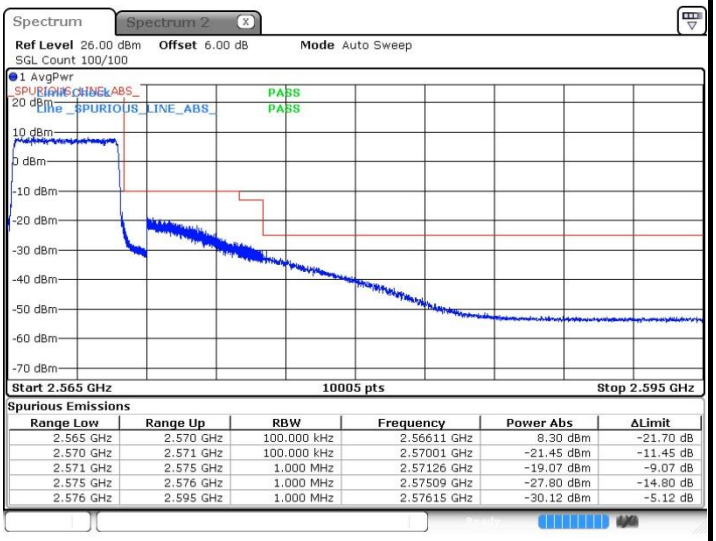


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49398 GHz	-31.63 dBm	-6.63 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-25.37 dBm	-12.37 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49871 GHz	-19.24 dBm	-9.24 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-22.17 dBm	-12.17 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50257 GHz	8.51 dBm	-21.49 dB

Date: 21.OCT.2021 19:35:30

Highest Band Edge / Full RB



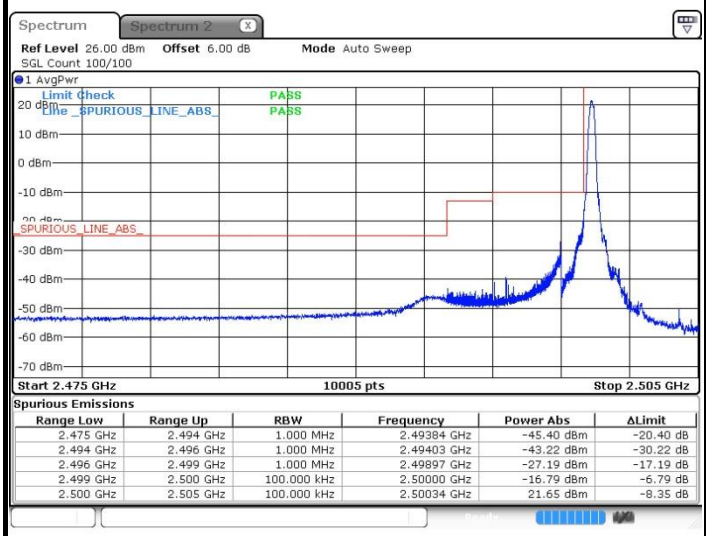
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56611 GHz	8.30 dBm	-21.70 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-21.45 dBm	-11.45 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57126 GHz	-19.07 dBm	-9.07 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57509 GHz	-27.80 dBm	-14.80 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57615 GHz	-30.12 dBm	-5.12 dB

Date: 21.OCT.2021 19:38:28

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

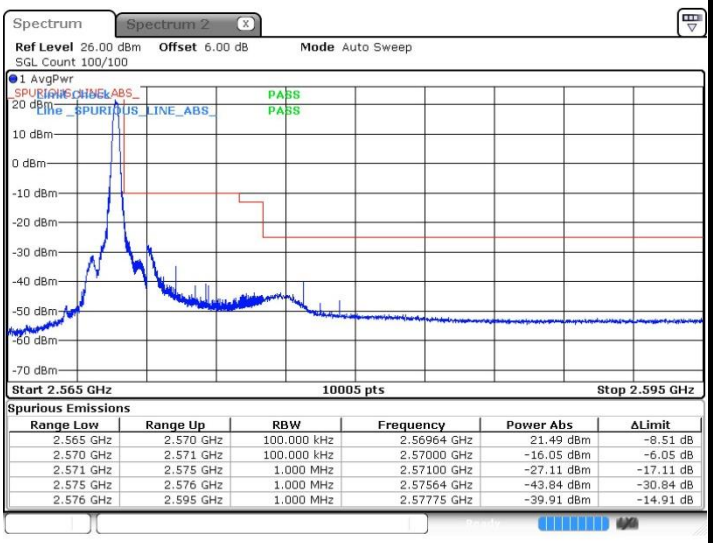


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49384 GHz	-45.40 dBm	-20.40 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49403 GHz	-43.22 dBm	-30.22 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-27.19 dBm	-17.19 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-16.79 dBm	-6.79 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	21.65 dBm	-8.35 dB

Date: 21.OCT.2021 20:09:51

Highest Band Edge / 1 RB

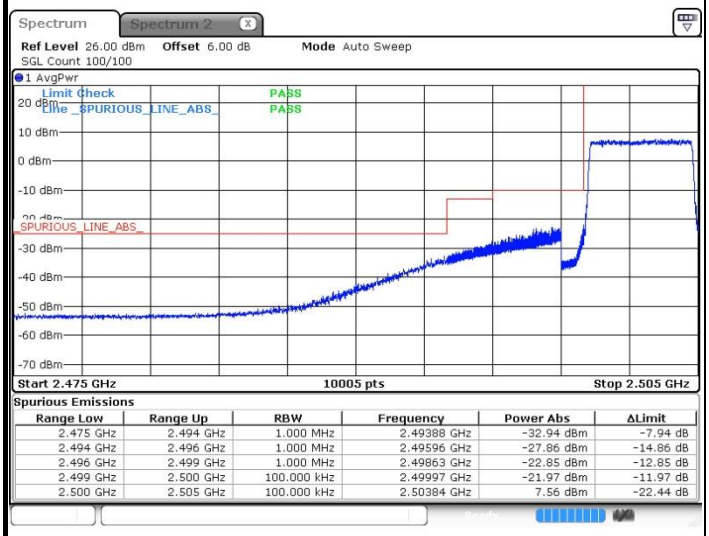


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56964 GHz	21.49 dBm	-8.51 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-16.05 dBm	-6.05 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-27.11 dBm	-17.11 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57564 GHz	-43.84 dBm	-30.84 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57775 GHz	-39.91 dBm	-14.91 dB

Date: 21.OCT.2021 20:11:50

Lowest Band Edge / Full RB

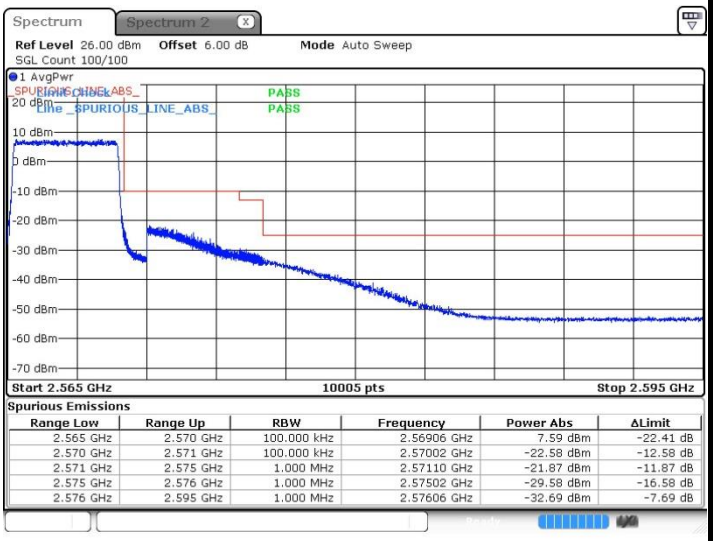


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49388 GHz	-32.94 dBm	-7.94 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-27.86 dBm	-14.86 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49863 GHz	-22.85 dBm	-12.85 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49997 GHz	-21.97 dBm	-11.97 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50384 GHz	7.56 dBm	-22.44 dB

Date: 21.OCT.2021 20:10:50

Highest Band Edge / Full RB



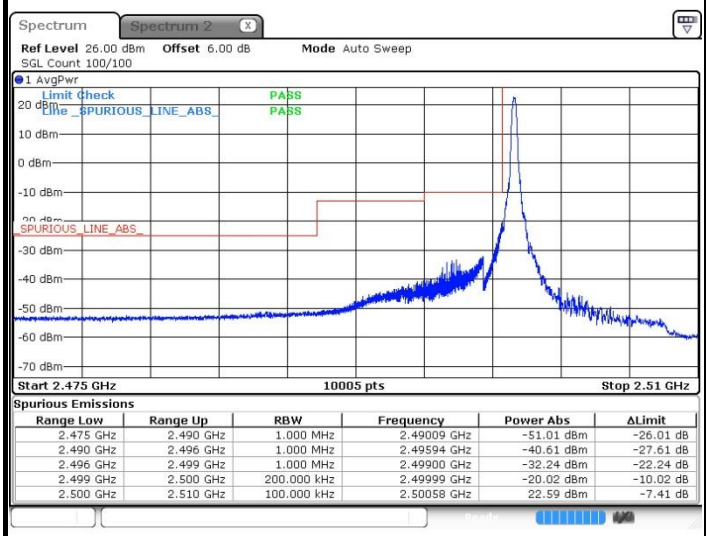
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56906 GHz	7.59 dBm	-22.41 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57002 GHz	-22.58 dBm	-12.58 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-21.87 dBm	-11.87 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-29.58 dBm	-16.58 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57606 GHz	-32.69 dBm	-7.69 dB

Date: 21.OCT.2021 20:12:49

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

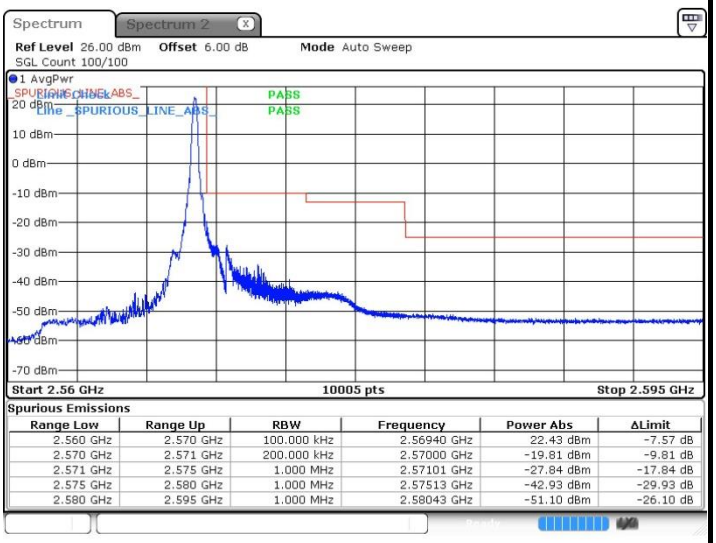


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49009 GHz	-51.01 dBm	-26.01 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-40.61 dBm	-27.61 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-32.24 dBm	-22.24 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-20.02 dBm	-10.02 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	22.59 dBm	-7.41 dB

Date: 21.OCT.2021 19:42:44

Highest Band Edge / 1 RB

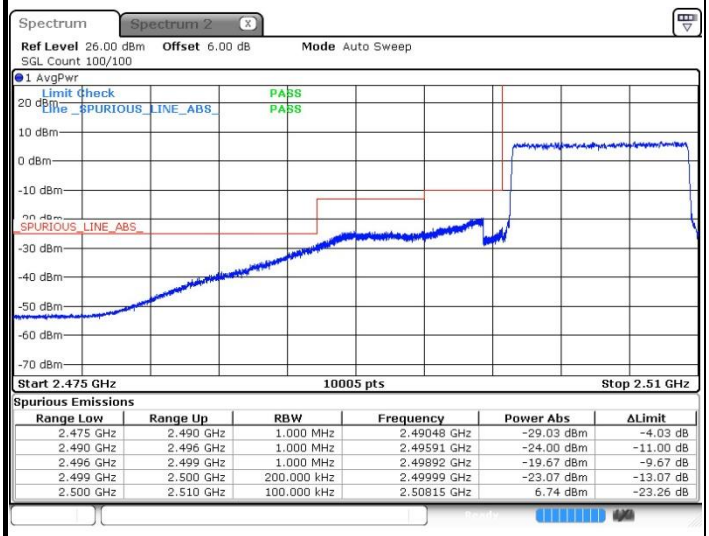


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56940 GHz	22.43 dBm	-7.57 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-19.81 dBm	-9.81 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-27.84 dBm	-17.84 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57513 GHz	-42.93 dBm	-29.93 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58043 GHz	-51.10 dBm	-26.10 dB

Date: 21.OCT.2021 19:49:39

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-29.03 dBm	-4.03 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-24.00 dBm	-11.00 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-19.67 dBm	-9.67 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-23.07 dBm	-13.07 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50815 GHz	6.74 dBm	-23.26 dB

Date: 21.OCT.2021 19:45:42

Highest Band Edge / Full RB

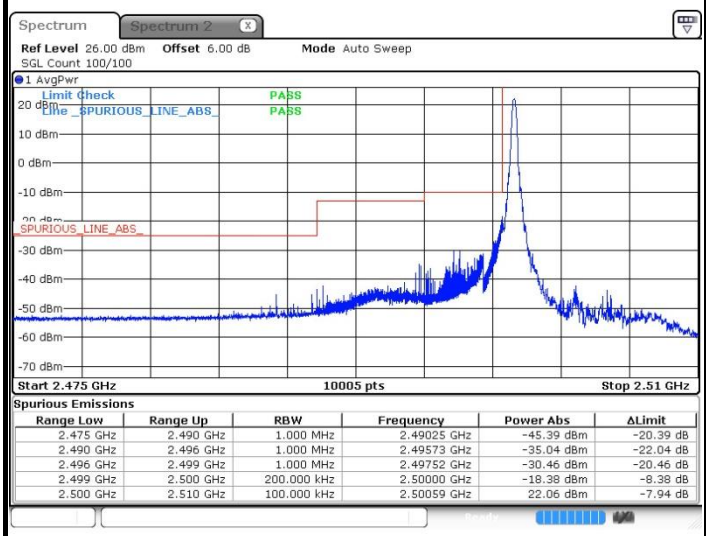
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56139 GHz	6.25 dBm	-23.75 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-21.73 dBm	-11.73 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-18.79 dBm	-8.79 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57512 GHz	-24.35 dBm	-11.35 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58009 GHz	-30.33 dBm	-5.33 dB

Date: 21.OCT.2021 19:46:41

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

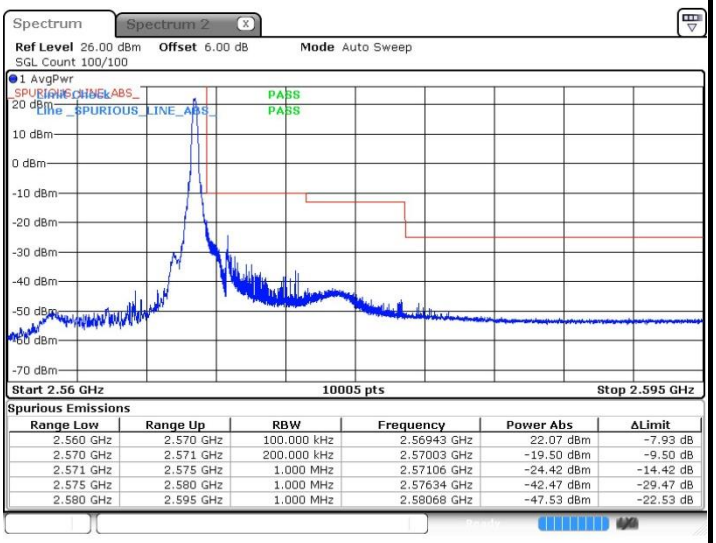


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49025 GHz	-45.39 dBm	-20.39 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49573 GHz	-35.04 dBm	-22.04 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49752 GHz	-30.46 dBm	-20.46 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-18.38 dBm	-8.38 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	22.06 dBm	-7.94 dB

Date: 21.OCT.2021 19:43:43

Highest Band Edge / 1 RB

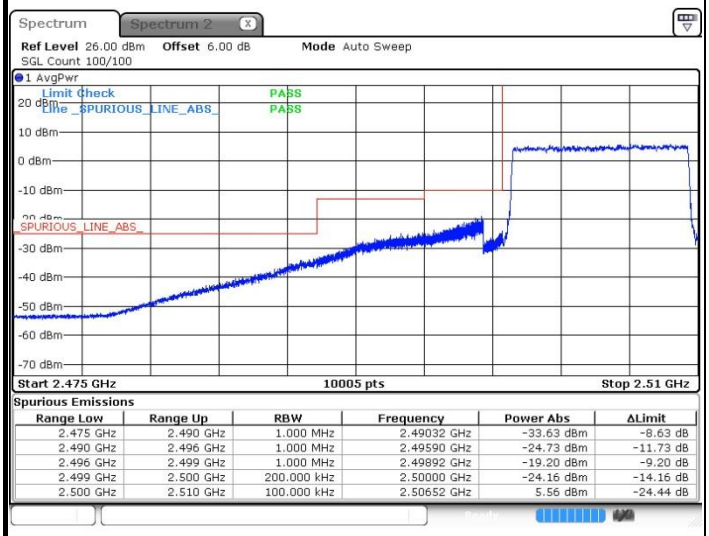


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56943 GHz	22.07 dBm	-7.93 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57003 GHz	-19.50 dBm	-9.50 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-24.42 dBm	-14.42 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57634 GHz	-42.47 dBm	-29.47 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58068 GHz	-47.53 dBm	-22.53 dB

Date: 21.OCT.2021 19:48:39

Lowest Band Edge / Full RB

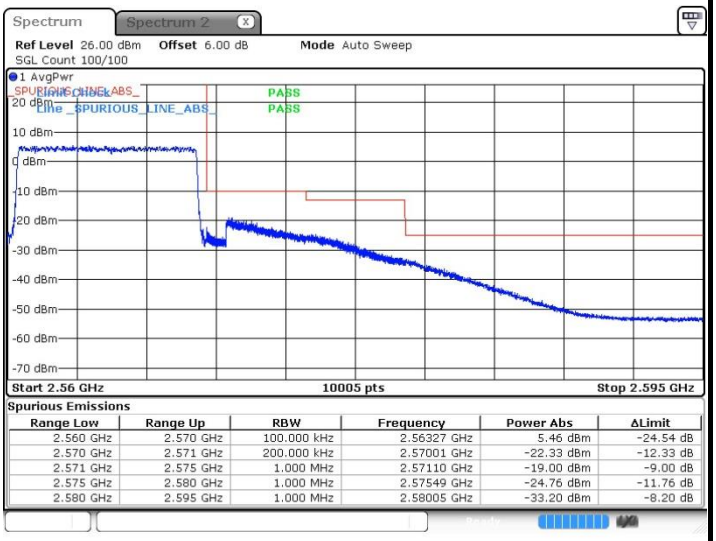


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49032 GHz	-33.63 dBm	-8.63 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49590 GHz	-24.73 dBm	-11.73 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-19.20 dBm	-9.20 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-24.16 dBm	-14.16 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50652 GHz	5.56 dBm	-24.44 dB

Date: 21.OCT.2021 19:44:42

Highest Band Edge / Full RB



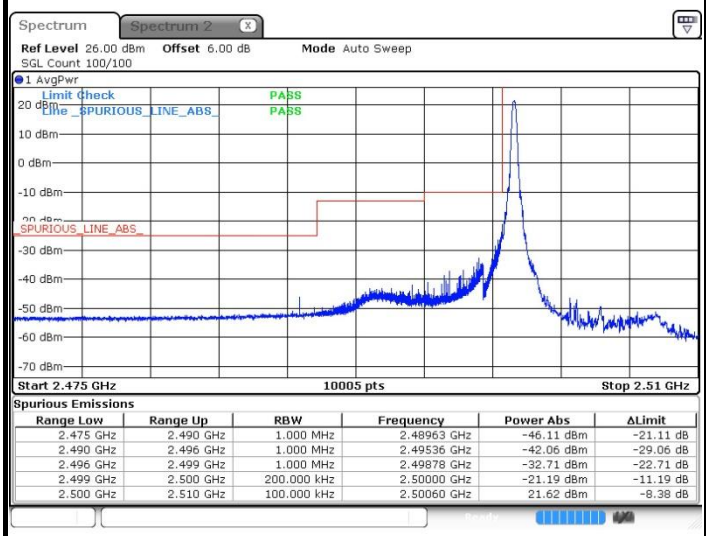
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56327 GHz	5.46 dBm	-24.54 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-22.33 dBm	-12.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-19.00 dBm	-9.00 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57549 GHz	-24.76 dBm	-11.76 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58005 GHz	-33.20 dBm	-8.20 dB

Date: 21.OCT.2021 19:47:40

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

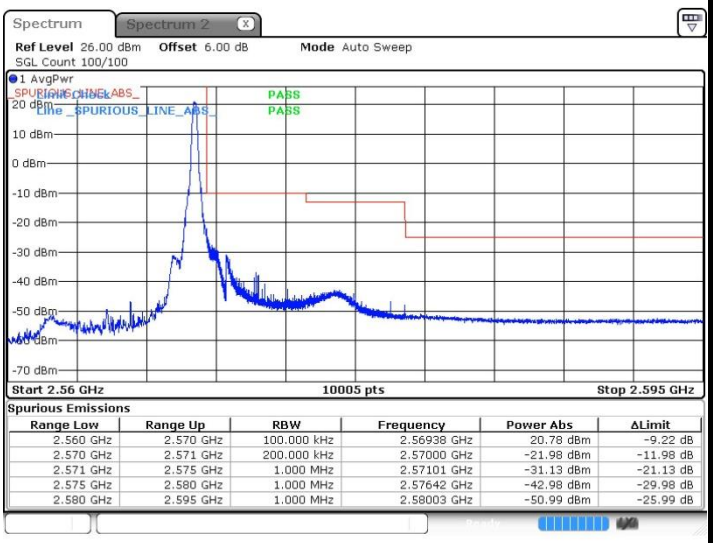


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48963 GHz	-46.11 dBm	-21.11 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49536 GHz	-42.06 dBm	-29.06 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49878 GHz	-32.71 dBm	-22.71 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-21.19 dBm	-11.19 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	21.62 dBm	-8.38 dB

Date: 21.OCT.2021 20:14:47

Highest Band Edge / 1 RB

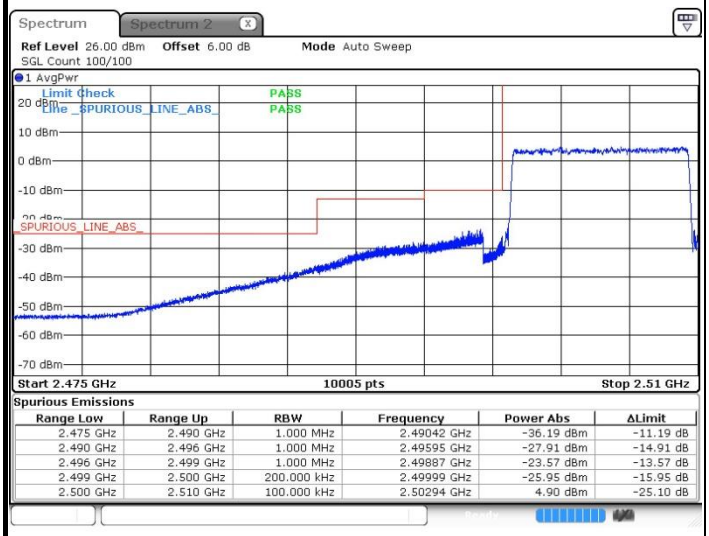


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56938 GHz	20.78 dBm	-9.22 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-21.98 dBm	-11.98 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-31.13 dBm	-21.13 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57642 GHz	-42.98 dBm	-29.98 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58003 GHz	-50.99 dBm	-25.99 dB

Date: 21.OCT.2021 20:16:45

Lowest Band Edge / Full RB

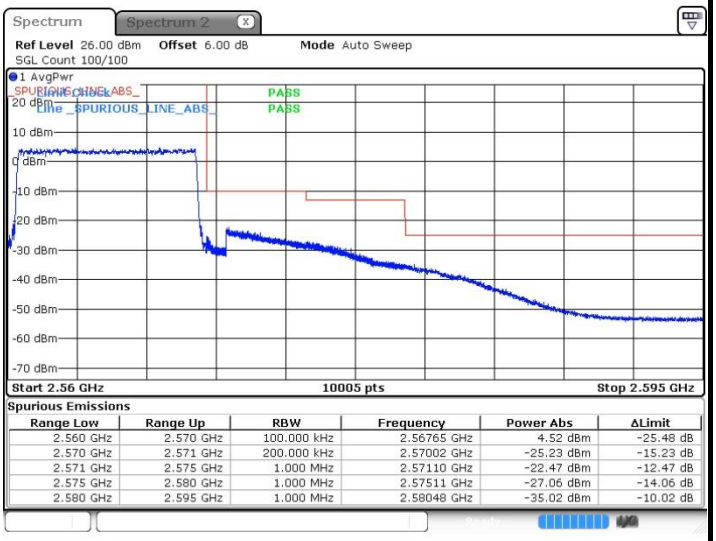


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-36.19 dBm	-11.19 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-27.91 dBm	-14.91 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49887 GHz	-23.57 dBm	-13.57 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-25.95 dBm	-15.95 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50294 GHz	4.90 dBm	-25.10 dB

Date: 21.OCT.2021 20:15:46

Highest Band Edge / Full RB



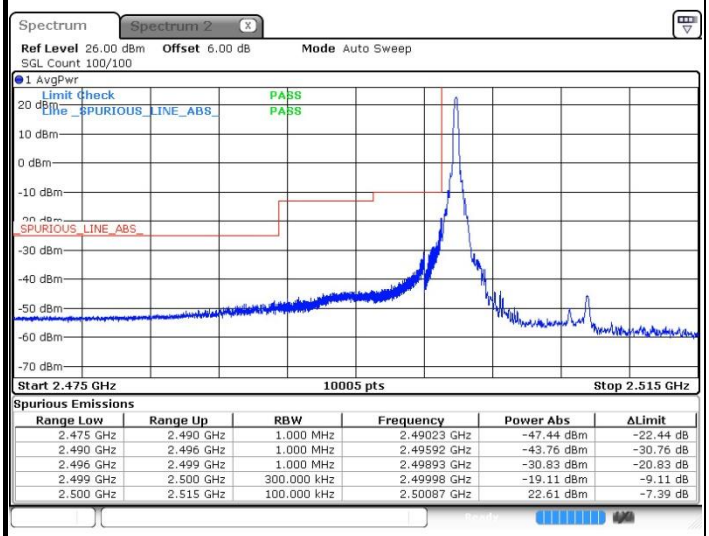
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56765 GHz	4.52 dBm	-25.48 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-25.23 dBm	-15.23 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-22.47 dBm	-12.47 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57511 GHz	-27.06 dBm	-14.06 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58048 GHz	-35.02 dBm	-10.02 dB

Date: 21.OCT.2021 20:17:44

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

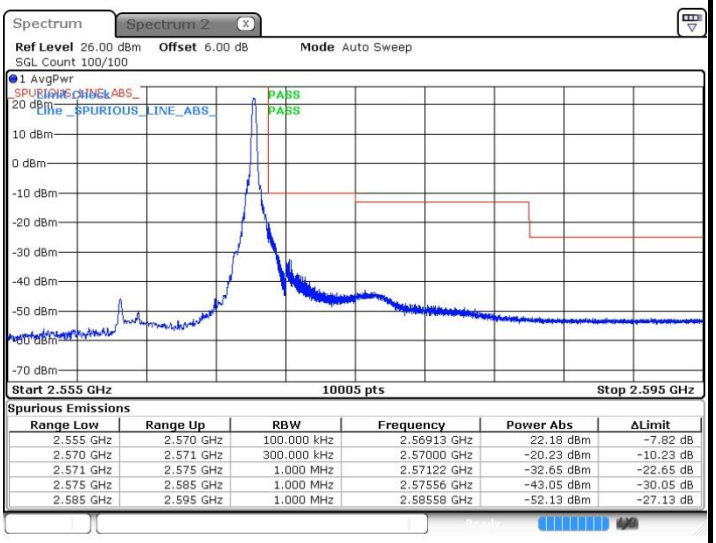


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-47.44 dBm	-22.44 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-43.76 dBm	-30.76 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49893 GHz	-30.83 dBm	-20.83 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-19.11 dBm	-9.11 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	22.61 dBm	-7.39 dB

Date: 21.OCT.2021 19:51:44

Highest Band Edge / 1 RB

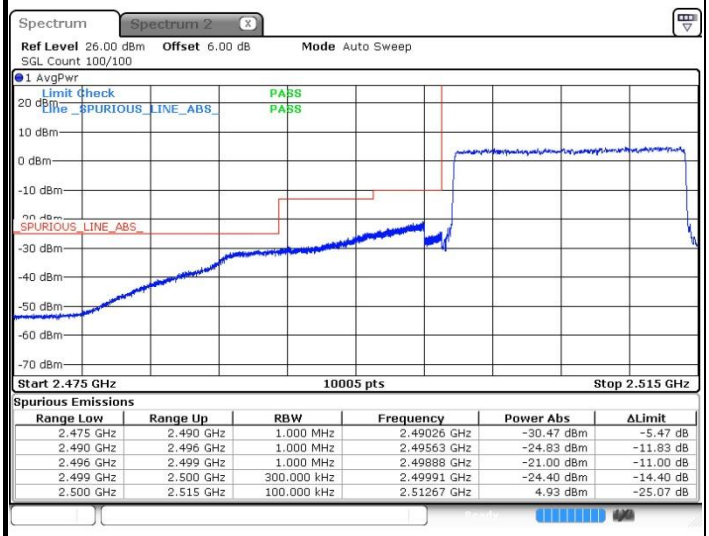


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56913 GHz	22.18 dBm	-7.82 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-20.23 dBm	-10.23 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-32.65 dBm	-22.65 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57556 GHz	-43.05 dBm	-30.05 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58558 GHz	-52.13 dBm	-27.13 dB

Date: 21.OCT.2021 19:58:39

Lowest Band Edge / Full RB

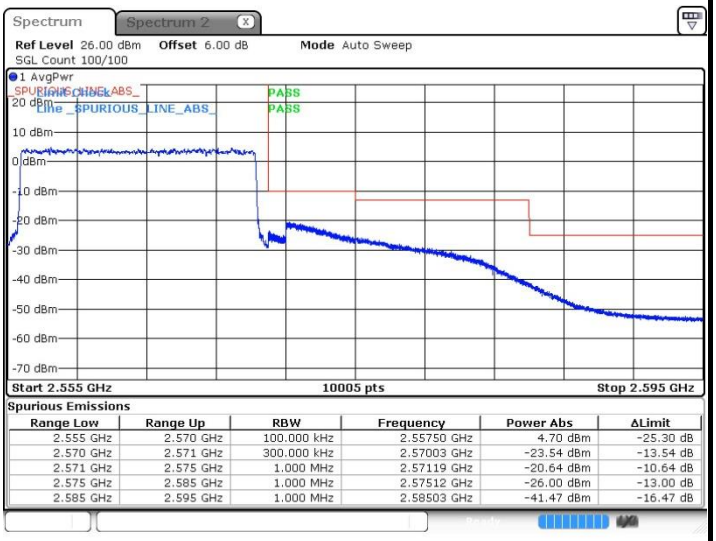


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49026 GHz	-30.47 dBm	-5.47 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49563 GHz	-24.83 dBm	-11.83 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-21.00 dBm	-11.00 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49991 GHz	-24.40 dBm	-14.40 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51267 GHz	4.93 dBm	-25.07 dB

Date: 21.OCT.2021 19:54:42

Highest Band Edge / Full RB



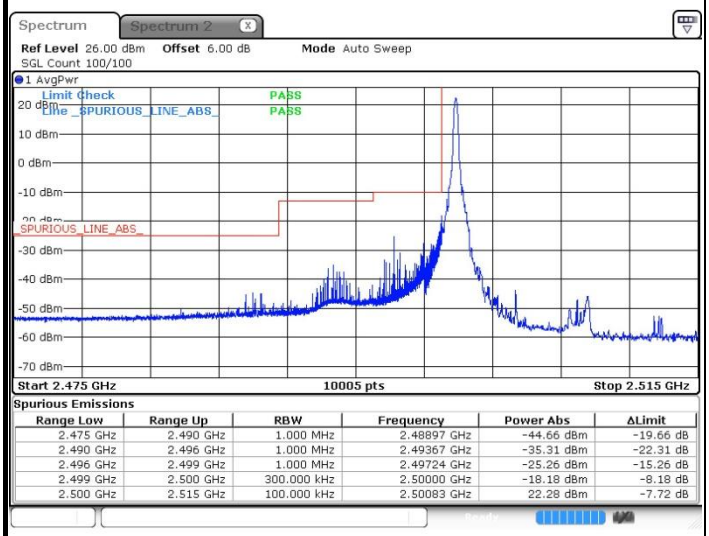
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55750 GHz	4.70 dBm	-25.30 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57003 GHz	-23.54 dBm	-13.54 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57119 GHz	-20.64 dBm	-10.64 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57512 GHz	-26.00 dBm	-13.00 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58503 GHz	-41.47 dBm	-16.47 dB

Date: 21.OCT.2021 19:55:41

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

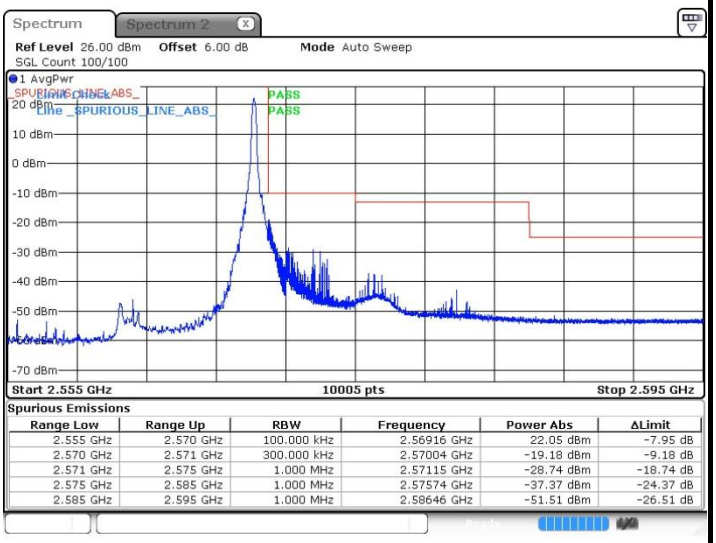


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48897 GHz	-44.66 dBm	-19.66 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49367 GHz	-35.31 dBm	-22.31 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49724 GHz	-25.26 dBm	-15.26 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-18.18 dBm	-8.18 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50083 GHz	22.28 dBm	-7.72 dB

Date: 21.OCT.2021 19:52:43

Highest Band Edge / 1 RB

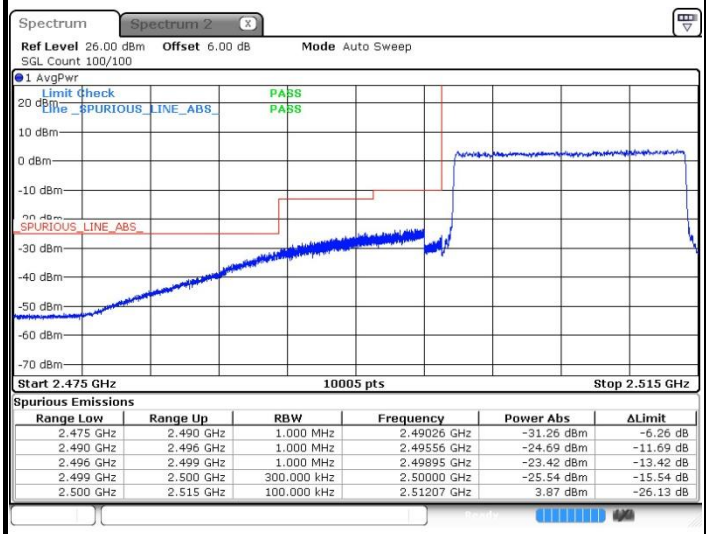


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	22.05 dBm	-7.95 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57004 GHz	-19.18 dBm	-9.18 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57115 GHz	-28.74 dBm	-18.74 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57574 GHz	-37.37 dBm	-24.37 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58646 GHz	-51.51 dBm	-26.51 dB

Date: 21.OCT.2021 19:57:40

Lowest Band Edge / Full RB

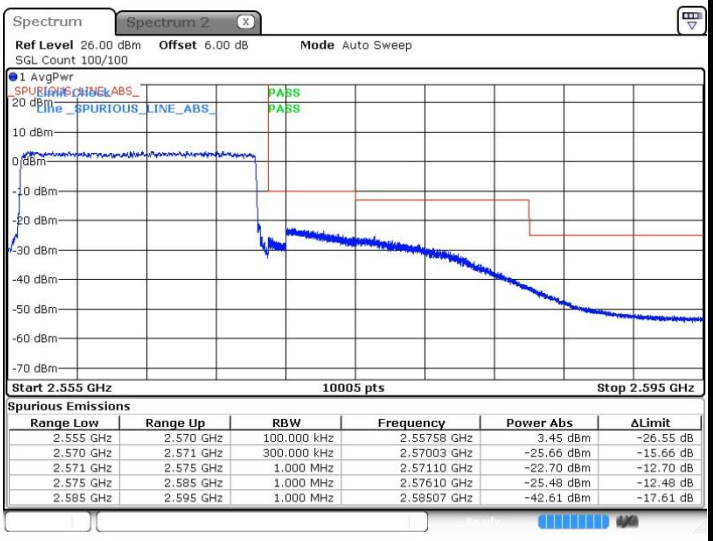


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49026 GHz	-31.26 dBm	-6.26 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49556 GHz	-24.69 dBm	-11.69 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-23.42 dBm	-13.42 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-25.54 dBm	-15.54 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51207 GHz	3.87 dBm	-26.13 dB

Date: 21.OCT.2021 19:53:43

Highest Band Edge / Full RB



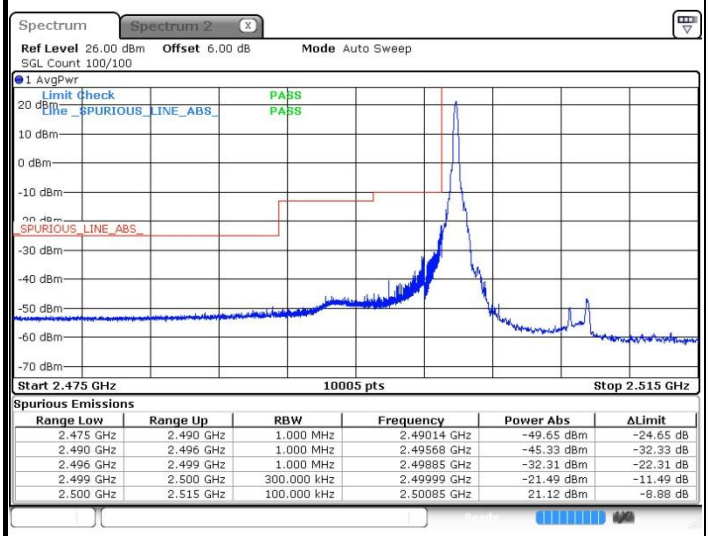
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55758 GHz	3.45 dBm	-26.55 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57003 GHz	-25.66 dBm	-15.66 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-22.70 dBm	-12.70 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57610 GHz	-25.48 dBm	-12.48 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58507 GHz	-42.61 dBm	-17.61 dB

Date: 21.OCT.2021 19:56:40

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

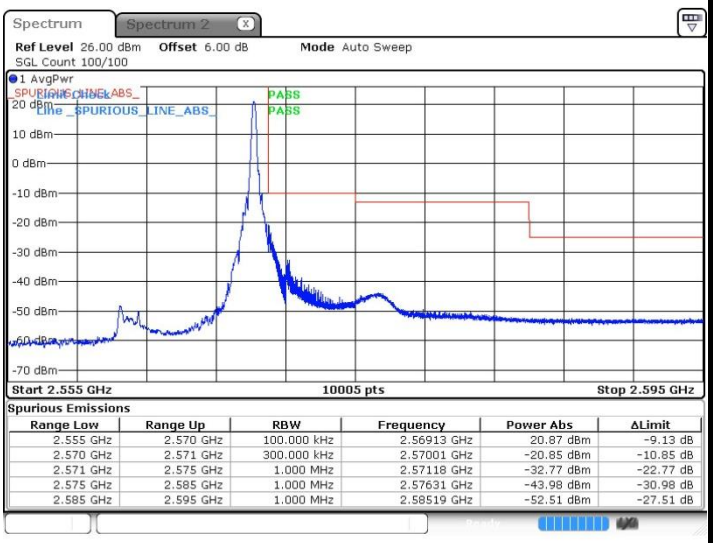


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49014 GHz	-49.65 dBm	-24.65 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49568 GHz	-45.33 dBm	-32.33 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49885 GHz	-32.31 dBm	-22.31 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-21.49 dBm	-11.49 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50085 GHz	21.12 dBm	-8.88 dB

Date: 21.OCT.2021 20:20:32

Highest Band Edge / 1 RB

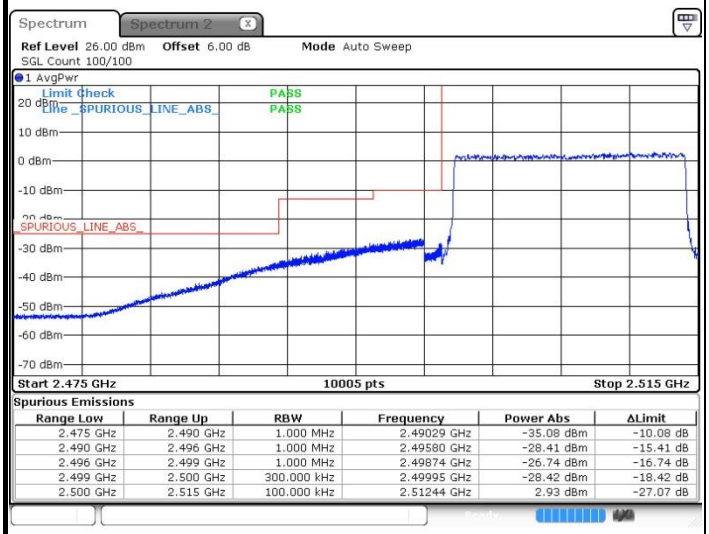


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56913 GHz	20.87 dBm	-9.13 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-20.85 dBm	-10.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57118 GHz	-32.77 dBm	-22.77 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57631 GHz	-43.98 dBm	-30.98 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58519 GHz	-52.51 dBm	-27.51 dB

Date: 21.OCT.2021 20:22:30

Lowest Band Edge / Full RB

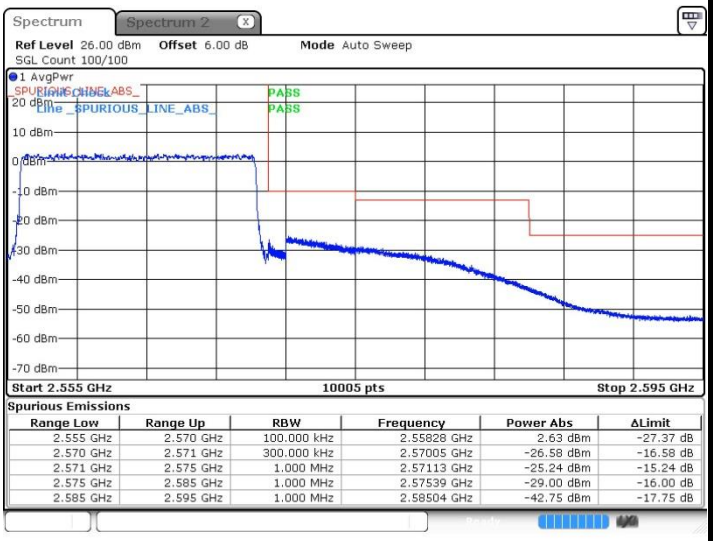


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49029 GHz	-35.08 dBm	-10.08 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49580 GHz	-28.41 dBm	-15.41 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49874 GHz	-26.74 dBm	-16.74 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49995 GHz	-28.42 dBm	-18.42 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51244 GHz	2.93 dBm	-27.07 dB

Date: 21.OCT.2021 20:19:32

Highest Band Edge / Full RB



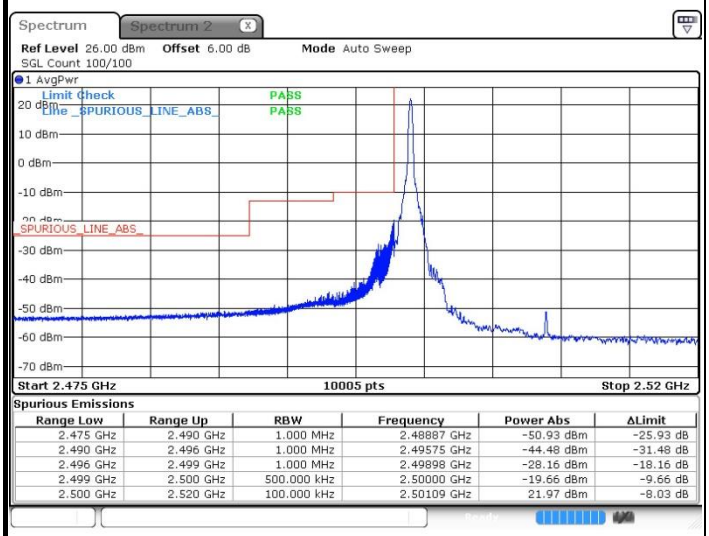
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55828 GHz	2.63 dBm	-27.37 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-26.58 dBm	-16.58 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-25.24 dBm	-15.24 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57539 GHz	-29.00 dBm	-16.00 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58504 GHz	-42.75 dBm	-17.75 dB

Date: 21.OCT.2021 20:21:31

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

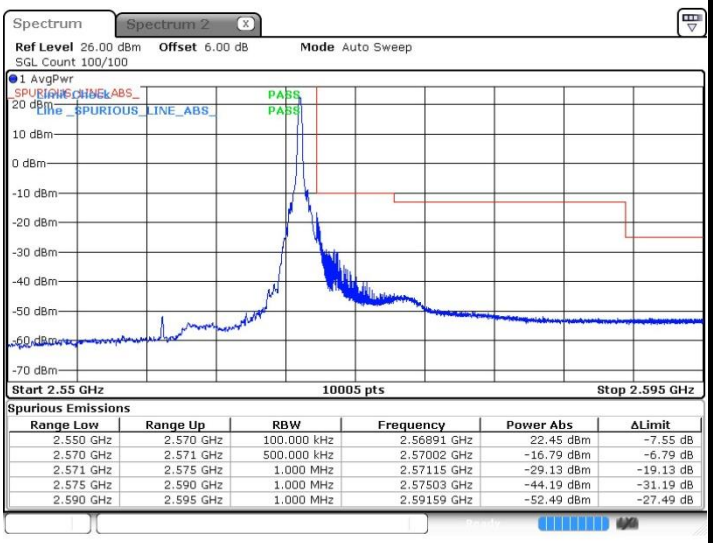


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48887 GHz	-50.93 dBm	-25.93 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49575 GHz	-44.48 dBm	-31.48 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-28.16 dBm	-18.16 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000 GHz	-19.66 dBm	-9.66 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	21.97 dBm	-8.03 dB

Date: 21.OCT.2021 20:01:56

Highest Band Edge / 1 RB

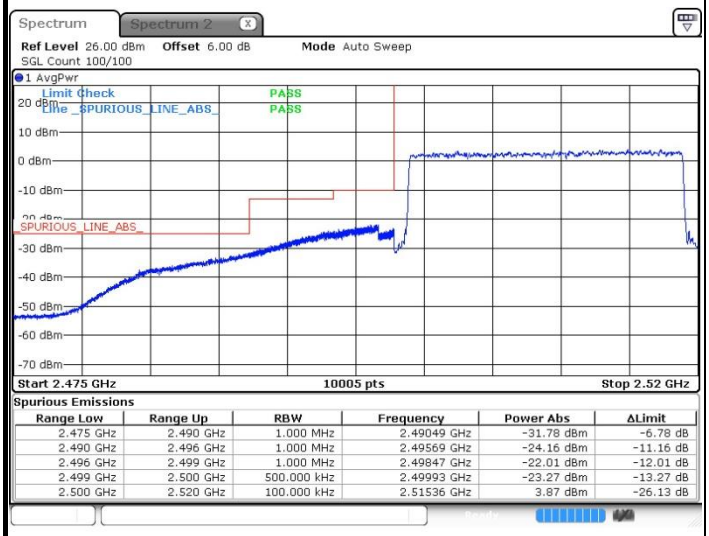


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	22.45 dBm	-7.55 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-16.79 dBm	-6.79 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57115 GHz	-29.13 dBm	-19.13 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57503 GHz	-44.19 dBm	-31.19 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59159 GHz	-52.49 dBm	-27.49 dB

Date: 21.OCT.2021 20:08:51

Lowest Band Edge / Full RB

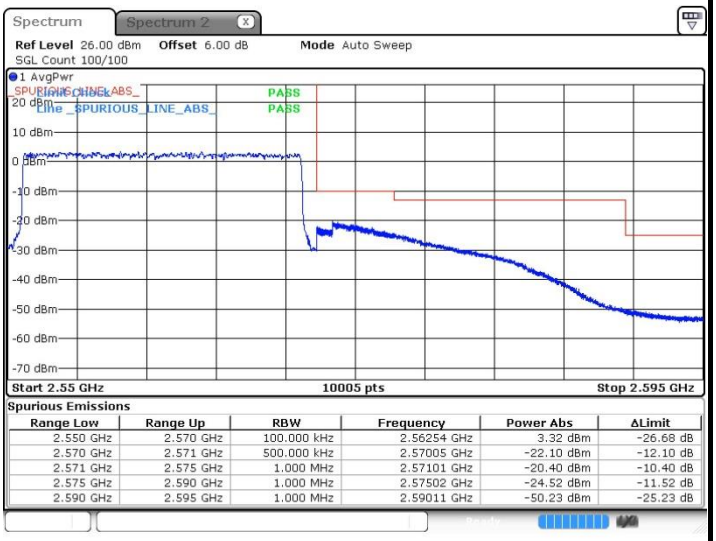


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49049 GHz	-31.78 dBm	-6.78 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49569 GHz	-24.16 dBm	-11.16 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49847 GHz	-22.01 dBm	-12.01 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49993 GHz	-23.27 dBm	-13.27 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51536 GHz	3.87 dBm	-26.13 dB

Date: 21.OCT.2021 20:04:54

Highest Band Edge / Full RB



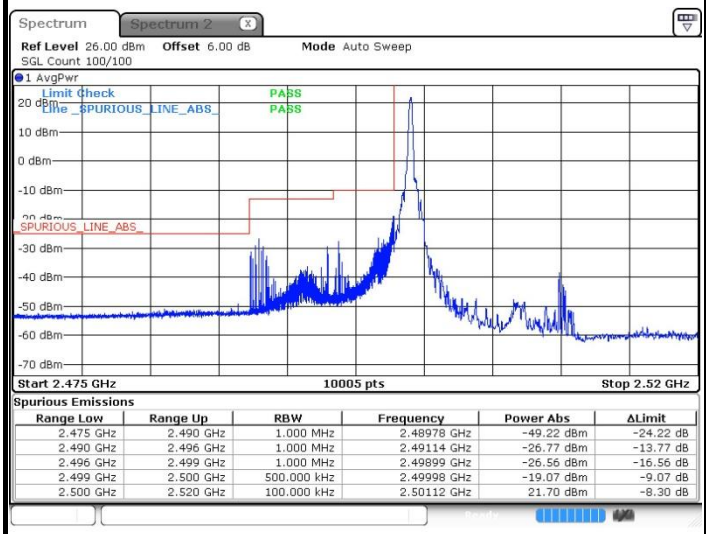
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56254 GHz	3.32 dBm	-26.68 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57005 GHz	-22.10 dBm	-12.10 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-20.40 dBm	-10.40 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57502 GHz	-24.52 dBm	-11.52 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59011 GHz	-50.23 dBm	-25.23 dB

Date: 21.OCT.2021 20:05:54

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

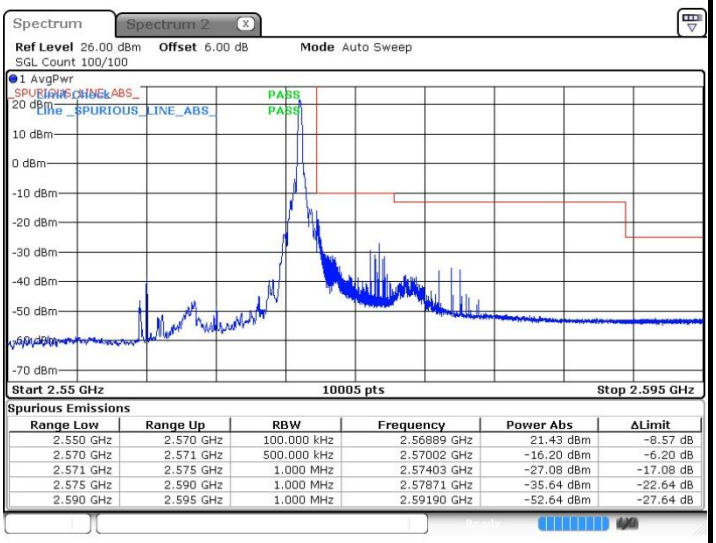


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48978 GHz	-49.22 dBm	-24.22 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49114 GHz	-26.77 dBm	-13.77 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-26.56 dBm	-16.56 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-19.07 dBm	-9.07 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50112 GHz	21.70 dBm	-8.30 dB

Date: 21.OCT.2021 20:28:51

Highest Band Edge / 1 RB

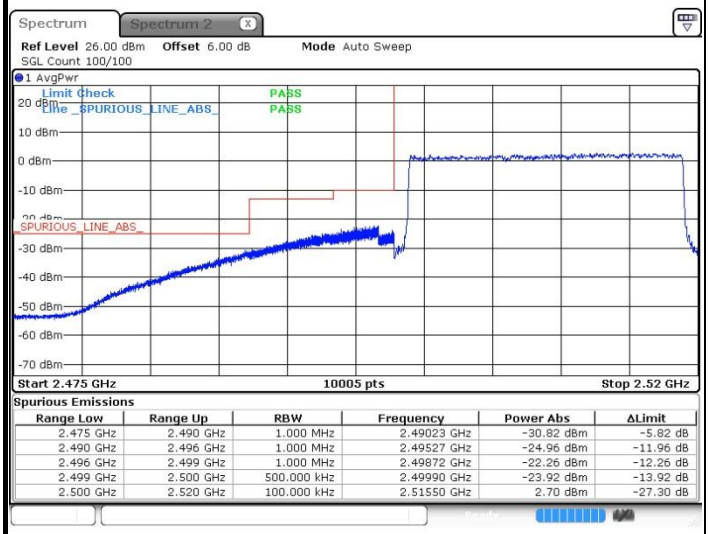


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56889 GHz	21.43 dBm	-8.57 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-16.20 dBm	-6.20 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57403 GHz	-27.08 dBm	-17.08 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57871 GHz	-35.64 dBm	-22.64 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59190 GHz	-52.64 dBm	-27.64 dB

Date: 21.OCT.2021 20:07:52

Lowest Band Edge / Full RB

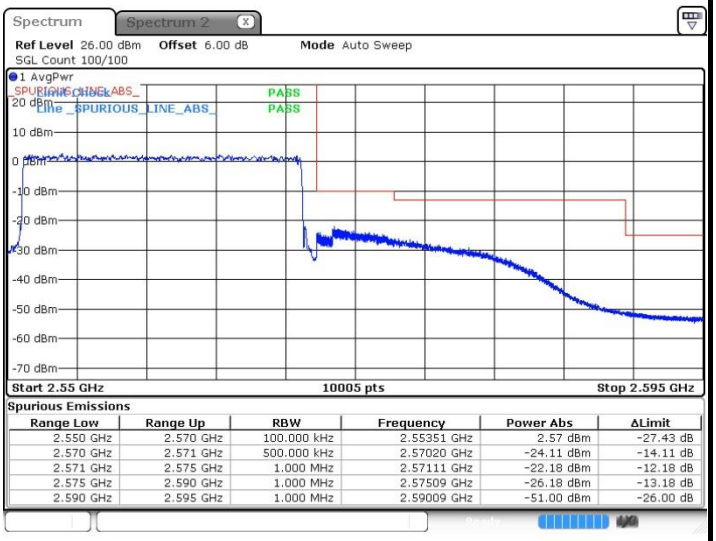


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-30.82 dBm	-5.82 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49527 GHz	-24.96 dBm	-11.96 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49872 GHz	-22.26 dBm	-12.26 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49990 GHz	-23.92 dBm	-13.92 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51550 GHz	2.70 dBm	-27.30 dB

Date: 21.OCT.2021 20:03:55

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55351 GHz	2.57 dBm	-27.43 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57020 GHz	-24.11 dBm	-14.11 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-22.18 dBm	-12.18 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57509 GHz	-26.18 dBm	-13.18 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59009 GHz	-51.00 dBm	-26.00 dB

Date: 21.OCT.2021 20:06:53