FCC RF Test Report

APPLICANT	: Xiaomi Communications Co., Ltd.
EQUIPMENT	: Mobile Phone
BRAND NAME	: POCO
MODEL NAME	: 21091116AG
FCC ID	: 2AFZZ116AG
STANDARD	: 47 CFR Part 2, 27(M)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Aug. 10, 2021 ~ Sep. 01, 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

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG180507C	Rev. 01	Initial issue of report	Sep. 24, 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 22.40 dB at 12880.000 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	POCO
Model Name	21091116AG
FCC ID	2AFZZ116AG
IMEI Code	Conducted: 864926050123141/864926050123158 Radiation: 864926050121822/864926050121878
HW Version	P2
SW Version	MIUI 12.5
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 : 24.12 dBm LTE Band 38 : 24.55 dBm LTE Band 41 : 24.68 dBm 20.98 LTE Band 7_CA : 24.06 dBm LTE Band 38_CA : 24.50 dBm **<Ant 2>** LTE Band 7 : 23.13 dBm LTE Band 38 : 21.77 dBm LTE Band 41 : 21.98 dBm LTE Band 7_CA : 22.80 dBm LTE Band 38_CA : 21.69 dBm **<Ant 4>** LTE Band 7 : 23.21 dBm LTE Band 38 : 24.42 dBm LTE Band 41 : 24.43 dBm 20.63 LTE Band 7_CA : 23.11 dBm LTE Band 38_CA : 24.00 dBm
Antenna Gain	**<Ant 0>** LTE Band 7 : -3.7 dBi LTE Band 38 : -3.7 dBi LTE Band 41 : -3.7 dBi **<Ant 2>** LTE Band 7 : -5.9 dBi LTE Band 38 : -5.9 dBi LTE Band 41 : -5.9 dBi **<Ant 4>** LTE Band 7 : -3.8 dBi LTE Band 38 : -3.8 dBi LTE Band 41 : -3.8 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM (Downlink only)

Remark: The ERP/EIRP is calculated from Output power and antenna gain, so the maximum ERP/EIRP is shown in the report, LTE Band 7/7C/38/38C/41 for Antenna 0.

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	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2510.0 ~ 2560.0	0.1102	18M4G7D	0.0891	18M4W7D
LTE Band 38		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2580.0 ~ 2610.0	0.1216	18M3G7D	0.0982	18M3W7D
LTE Band 41		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2506.0 ~ 2680.0	0.1253	18M3G7D	0.1009	18M3W7D

LTE Band 7 CA	QPSK		16QAM/64QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz	0.1086	38M0G7D	0.1059	38M0W7D
LTE Band 38 CA	**QPSK**		**16QAM/64QAM**	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz	0.1202	37M9G7D	0.0979	37M9W7D

Note:

1. 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.
2. All modulations (QPSK/16QAM/64QAM) have been tested, and only the worst test results of PSK & QAM are shown in the report.
3. Based on engineering evaluation, only the maximum bandwidth test results are shown in the report.
4. The device supports two PAs for LTE Band 7/41, the maximum power of Main PA is higher than and very close to the other PA, therefore, we chose higher power of main PA to calculate the EIRP and show in the report.

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.**
	03CH01-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.

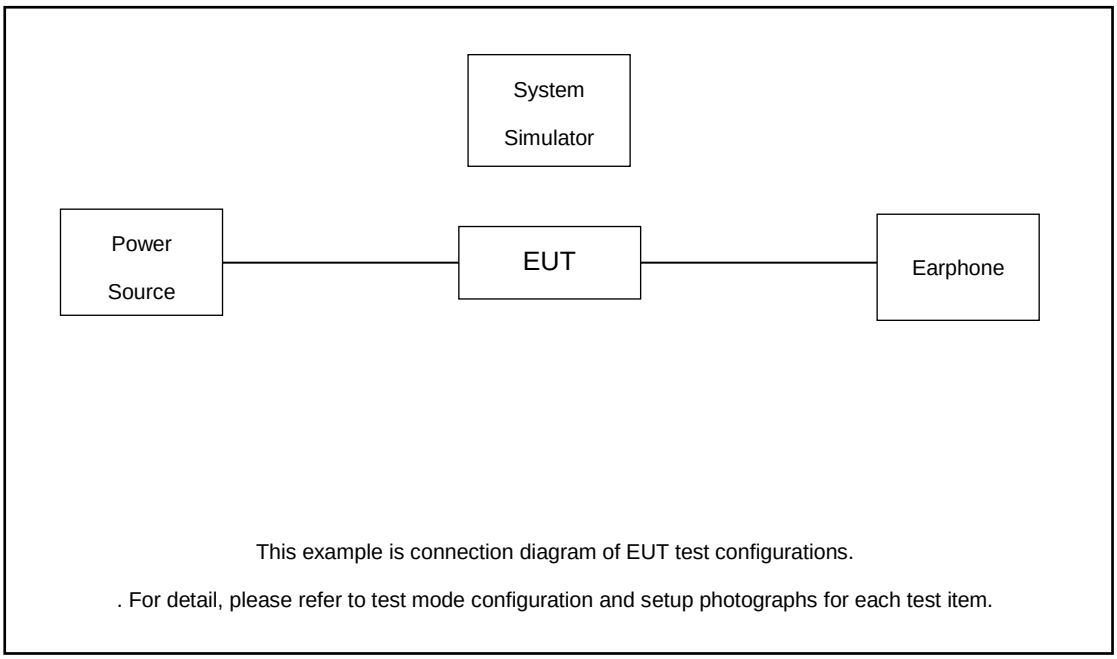
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v			v		v	
	41	-	-				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
	41	-	-	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
	38	-	-	v	v	v	v	v	v	v	v			v	v	v
	41	-	-	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	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
	38C_CA	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
	38C_CA	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
	38C_CA	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	Xiaomi	N/A	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

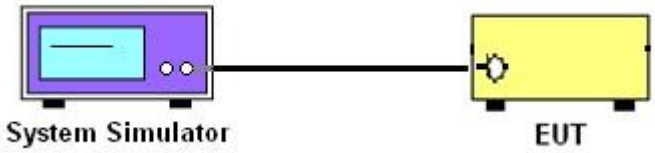
3 Conducted Test Items

3.1 Measuring Instruments

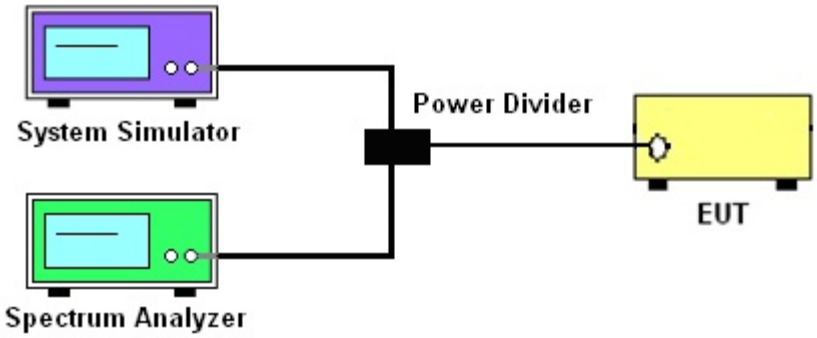
See list of measuring instruments of this test report.

3.2 Test Setup

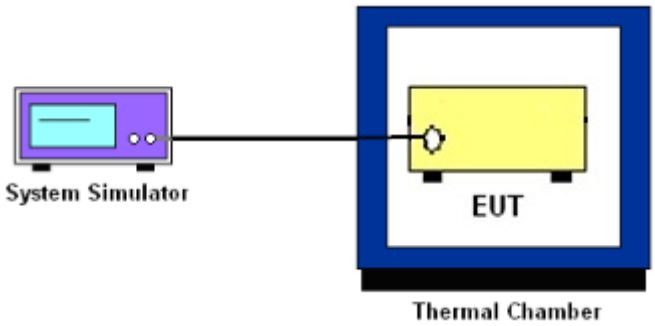
3.2.1 Conducted Output Power



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 10^{th} harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and 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.

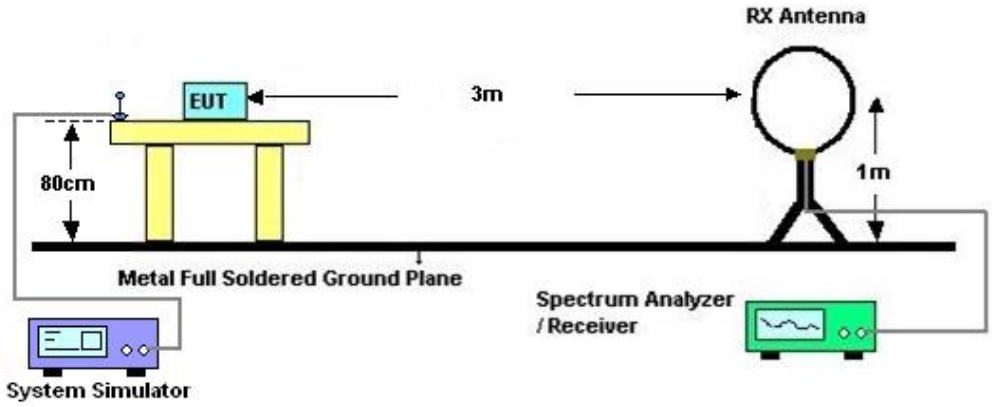
4 Radiated Test Items

4.1 Measuring Instruments

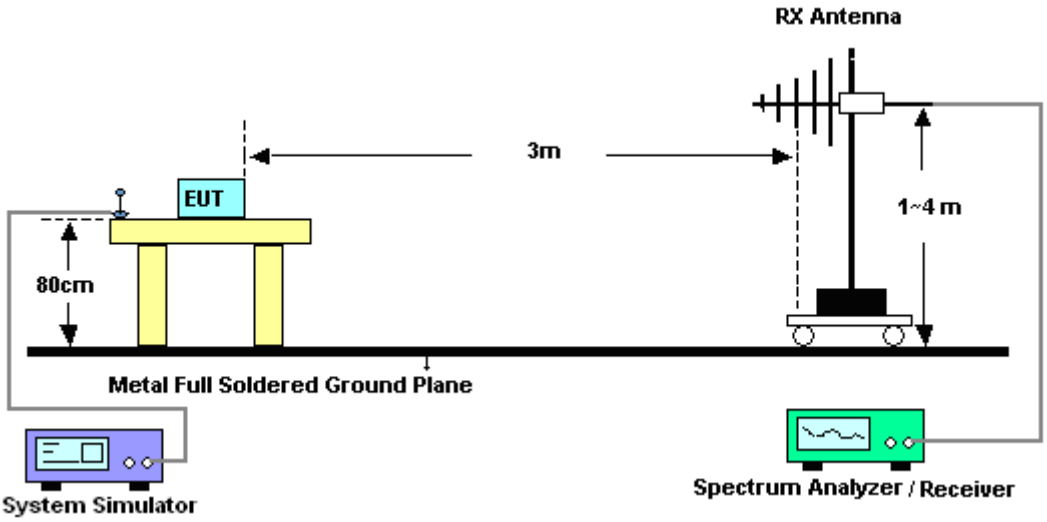
See list of measuring instruments of this test report.

4.2 Test Setup

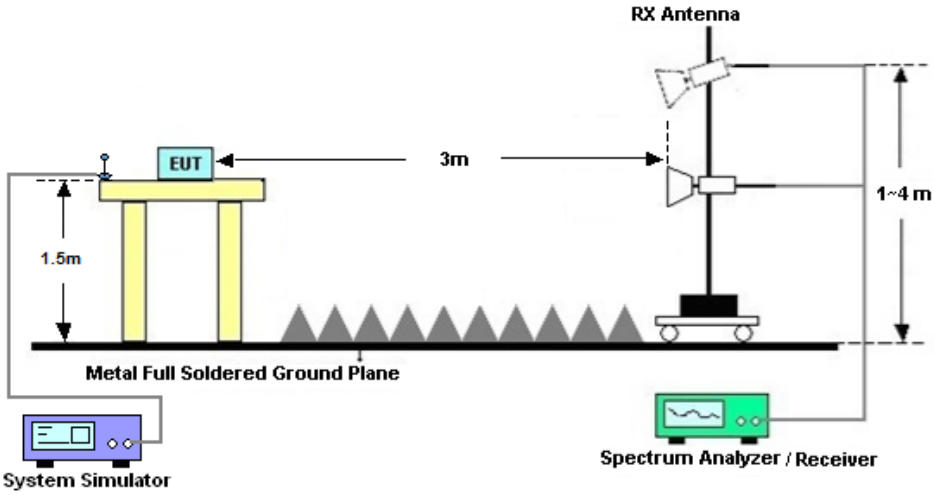
4.2.1 For radiated test below 30MHz



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	Nov. 01, 2020	Aug. 10, 2021~ Aug. 26, 2021	Oct. 31, 2021	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 27, 2020	Aug. 10, 2021~ Aug. 26, 2021	Aug. 26, 2021	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 12, 2021	Aug. 10, 2021~ Aug. 26, 2021	Jul. 11, 2022	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Sep. 01, 2021	Apr. 12, 2022	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 01, 2020	Sep. 01, 2021	Oct. 31, 2021	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2021	Sep. 01, 2021	May 29, 2022	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 01, 2020	Sep. 01, 2021	Oct. 31, 2021	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Jan. 06, 2021	Sep. 01, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 06, 2021	Sep. 01, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 07, 2021	Sep. 01, 2021	Jan. 06, 2022	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jan. 06, 2021	Sep. 01, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 14, 2020	Sep. 01, 2021	Oct. 13, 2021	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Sep. 01, 2021	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Sep. 01, 2021	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Sep. 01, 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	24.08	24.12	24.04	0.1091	0.1102	0.1081
20	QPSK	1	99	23.81	23.73	23.81	0.1026	0.1007	0.1026
20	QPSK	100	0	22.85	22.86	22.80	0.0822	0.0824	0.0813
20	16QAM	1	0	23.20	23.18	23.10	0.0891	0.0887	0.0871
20	64QAM	1	0	22.10	22.14	22.00	0.0692	0.0698	0.0676
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	23.88	24.10	23.92	0.1042	0.1096	0.1052
15	16QAM	1	0	23.16	23.12	23.02	0.0883	0.0875	0.0855
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	24.03	24.10	23.99	0.1079	0.1096	0.1069
10	16QAM	1	0	23.06	23.04	22.96	0.0863	0.0859	0.0843
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	23.97	24.07	24.00	0.1064	0.1089	0.1072
5	16QAM	1	0	23.00	23.15	22.88	0.0851	0.0881	0.0828

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	24.54	24.55	24.51	0.1213	0.1216	0.1205
20	QPSK	1	99	24.36	24.25	24.17	0.1164	0.1135	0.1114
20	QPSK	100	0	23.44	23.48	23.34	0.0942	0.0951	0.0920
20	16QAM	1	0	23.62	23.45	23.30	0.0982	0.0944	0.0912
20	64QAM	1	0	22.28	22.23	22.08	0.0721	0.0713	0.0689
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	24.51	24.48	24.52	0.1205	0.1197	0.1208
15	16QAM	1	0	23.58	23.44	23.58	0.0973	0.0942	0.0973
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	24.52	24.42	24.29	0.1208	0.1180	0.1146
10	16QAM	1	0	23.60	23.49	23.36	0.0977	0.0953	0.0925
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	24.54	24.53	24.38	0.1213	0.1211	0.1169
5	16QAM	1	0	23.62	23.48	23.34	0.0982	0.0951	0.0920

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	24.60	24.68	24.30	0.1230	0.1253	0.1148
20	QPSK	1	99	24.56	24.34	24.58	0.1219	0.1159	0.1225
20	QPSK	100	0	23.60	23.62	23.43	0.0977	0.0982	0.0940
20	16QAM	1	0	23.74	23.50	23.54	0.1009	0.0955	0.0964
20	64QAM	1	0	22.97	22.83	22.80	0.0845	0.0818	0.0813
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	24.61	24.41	24.62	0.1233	0.1178	0.1236
15	16QAM	1	0	23.70	23.55	23.57	0.1000	0.0966	0.0971
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	24.67	24.46	24.53	0.1250	0.1191	0.1211
10	16QAM	1	0	23.73	23.52	23.55	0.1007	0.0959	0.0966
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	24.57	24.53	24.64	0.1222	0.1211	0.1242
5	16QAM	1	0	23.74	23.59	23.72	0.1009	0.0975	0.1005

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	24.01	0.1074
M	QPSK	1	Max	1	0	24.06	0.1086
H	QPSK	1	Max	1	0	23.97	0.1064
L	16QAM	1	Max	1	0	23.85	0.1035
M	16QAM	1	Max	1	0	23.95	0.1059
H	16QAM	1	Max	1	0	23.74	0.1009
L	64QAM	1	Max	1	0	23.32	0.0916
M	64QAM	1	Max	1	0	23.41	0.0935
H	64QAM	1	Max	1	0	23.26	0.0904
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	23.69	0.0998
M	16QAM	1	Max	1	0	23.41	0.0935
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	23.58	0.0973
M	16QAM	1	Max	1	0	23.22	0.0895
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	23.47	0.0948
M	16QAM	1	Max	1	0	23.36	0.0925
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	23.42	0.0938
M	16QAM	1	Max	1	0	23.28	0.0908
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	23.39	0.0931
M	16QAM	1	Max	1	0	23.17	0.0885
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	23.45	0.0944
M	16QAM	1	Max	1	0	23.33	0.0918

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	24.41	0.1178
M	QPSK	1	Max	1	0	24.50	0.1202
H	QPSK	1	Max	1	0	24.46	0.1191
L	16QAM	1	Max	1	0	23.52	0.0959
M	16QAM	1	Max	1	0	23.61	0.0979
H	16QAM	1	Max	1	0	23.55	0.0966
L	64QAM	1	Max	1	0	23.14	0.0879
M	64QAM	1	Max	1	0	23.38	0.0929
H	64QAM	1	Max	1	0	23.22	0.0895
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	24.02	0.1076
M	16QAM	1	Max	1	0	23.35	0.0923

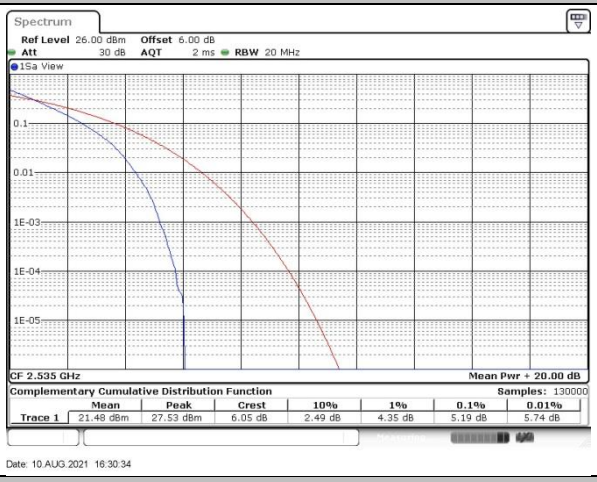
LTE Band 7 for Main PA

Peak-to-Average Ratio

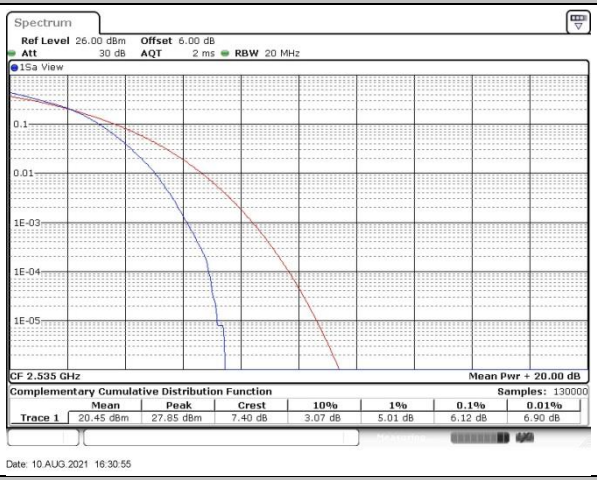
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.19	6.12	6.55	PASS

LTE Band 7 / 20MHz

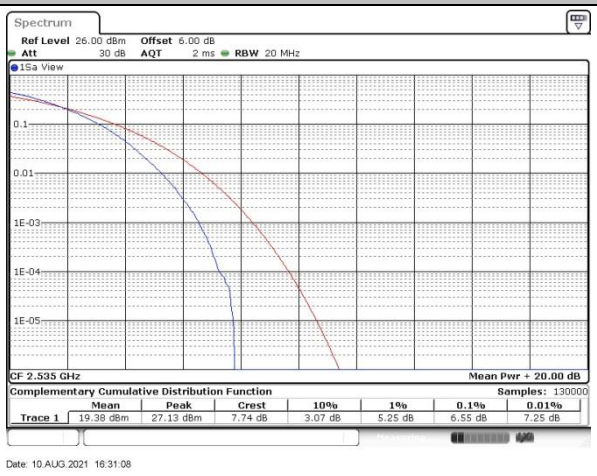
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



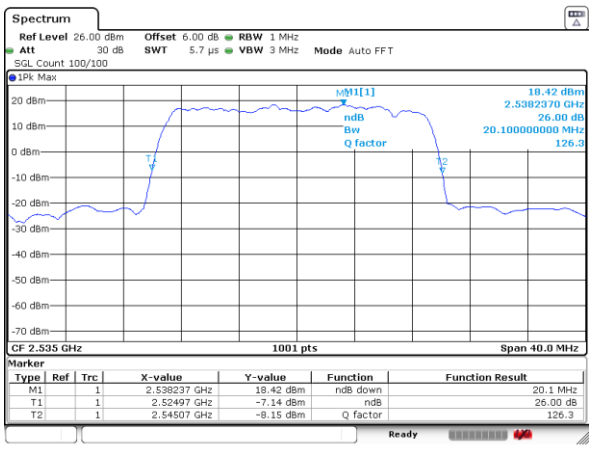
Middle Channel / Full RB/ 64QAM

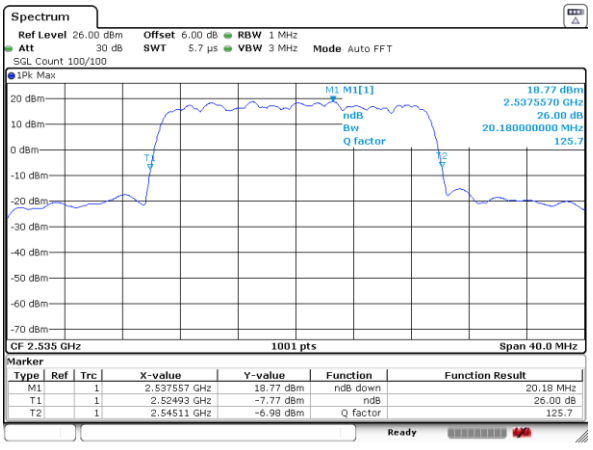


26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.10	20.18

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

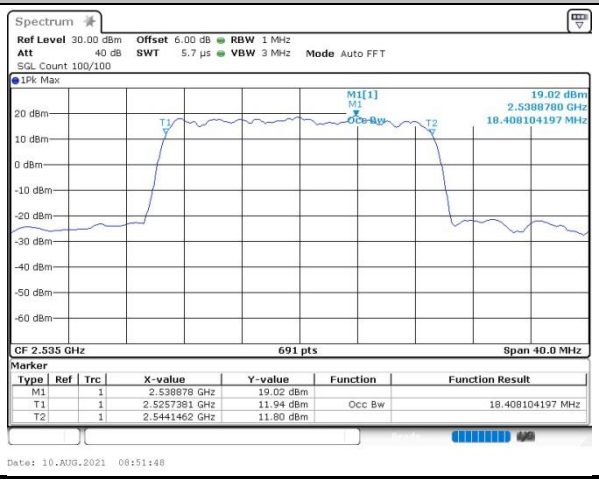


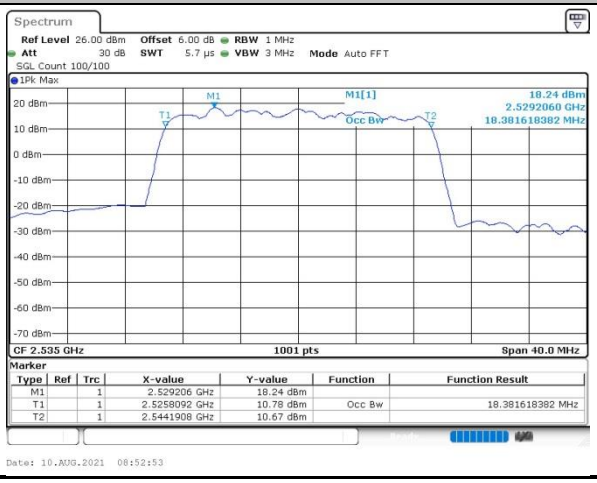


Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.41	18.38

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

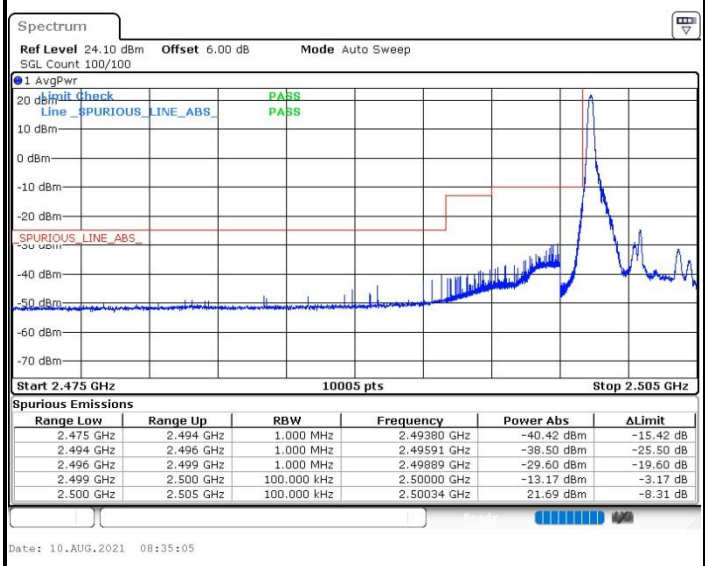




Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

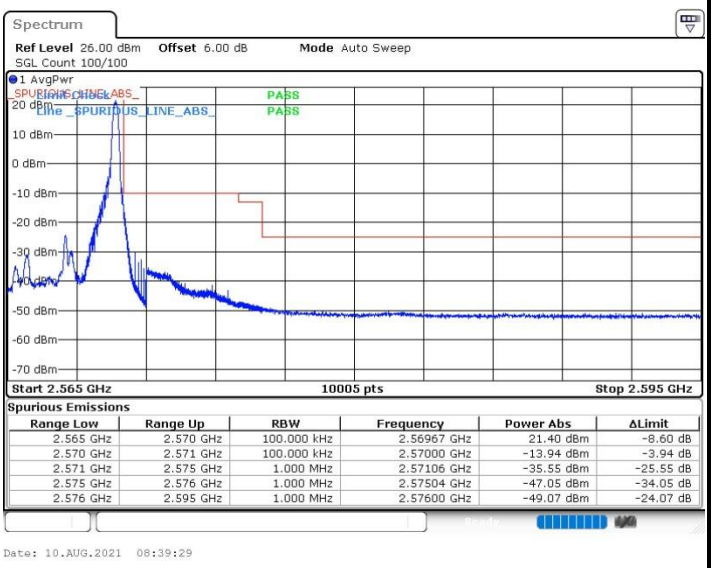


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49380 GHz	-40.42 dBm	-15.42 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-38.50 dBm	-25.50 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49889 GHz	-29.60 dBm	-19.60 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-13.17 dBm	-3.17 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	21.69 dBm	-8.31 dB

Date: 10.AUG.2021 08:35:05

Highest Band Edge / 1 RB

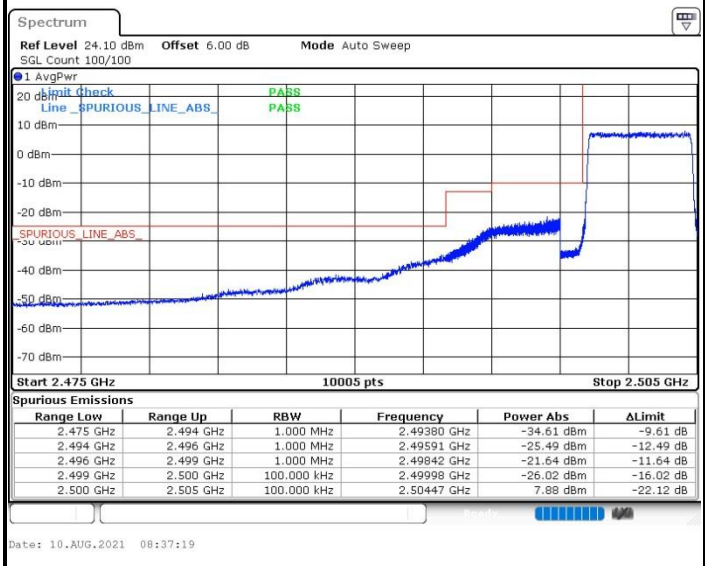


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56967 GHz	21.40 dBm	-8.60 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-13.94 dBm	-3.94 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-35.55 dBm	-25.55 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57504 GHz	-47.05 dBm	-34.05 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57600 GHz	-49.07 dBm	-24.07 dB

Date: 10.AUG.2021 08:39:29

Lowest Band Edge / Full RB

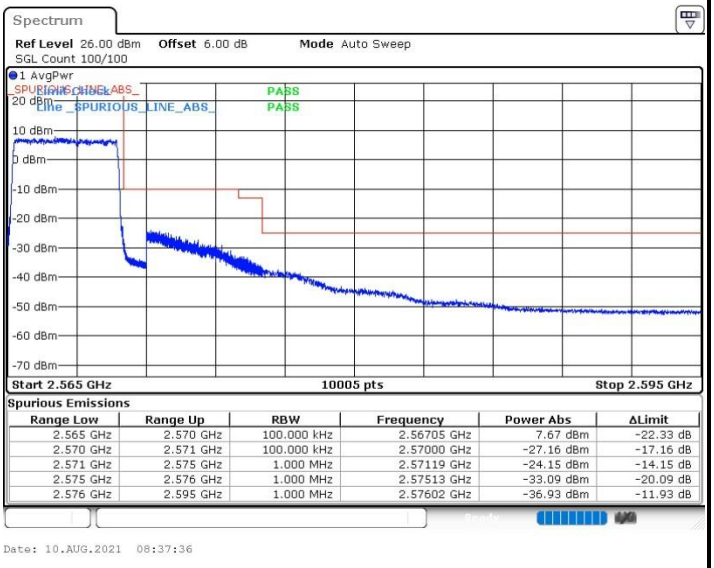


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49380 GHz	-34.61 dBm	-9.61 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-25.49 dBm	-12.49 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49842 GHz	-21.64 dBm	-11.64 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-26.02 dBm	-16.02 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50447 GHz	7.88 dBm	-22.12 dB

Date: 10.AUG.2021 08:37:19

Highest Band Edge / Full RB



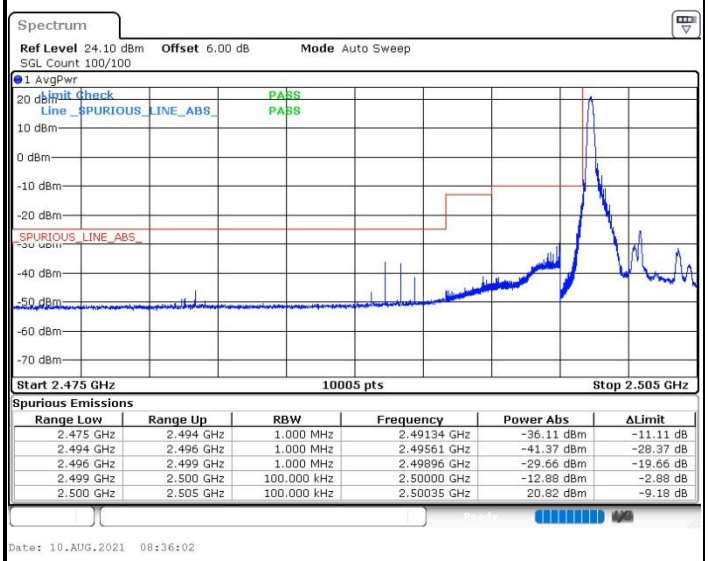
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56705 GHz	7.67 dBm	-22.33 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-27.16 dBm	-17.16 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57119 GHz	-24.15 dBm	-14.15 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57513 GHz	-33.09 dBm	-20.09 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57602 GHz	-36.93 dBm	-11.93 dB

Date: 10.AUG.2021 08:37:36

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

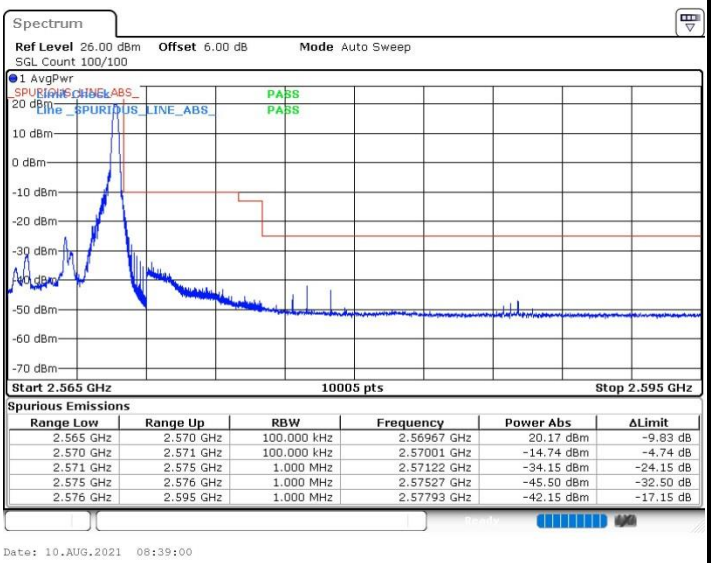


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49134 GHz	-36.11 dBm	-11.11 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49561 GHz	-41.37 dBm	-28.37 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-29.66 dBm	-19.66 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-12.88 dBm	-2.88 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	20.82 dBm	-9.18 dB

Date: 10.AUG.2021 08:36:02

Highest Band Edge / 1 RB

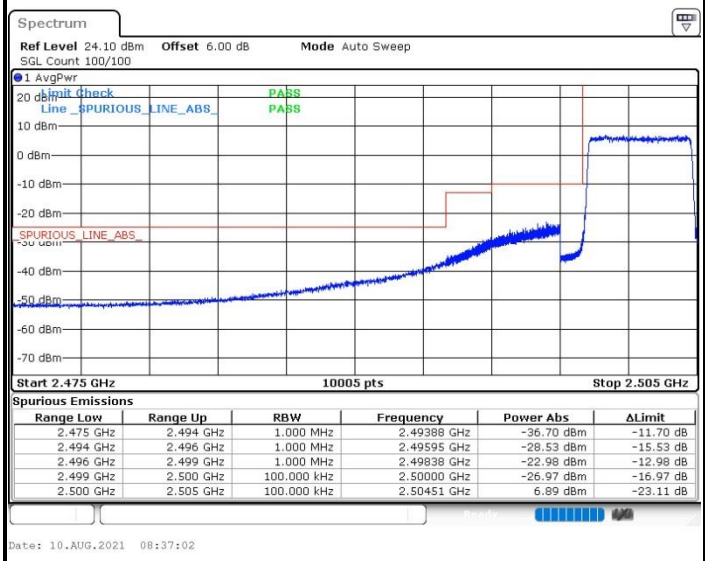


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56967 GHz	20.17 dBm	-9.83 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-14.74 dBm	-4.74 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-34.15 dBm	-24.15 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57527 GHz	-45.50 dBm	-32.50 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57793 GHz	-42.15 dBm	-17.15 dB

Date: 10.AUG.2021 08:39:00

Lowest Band Edge / Full RB

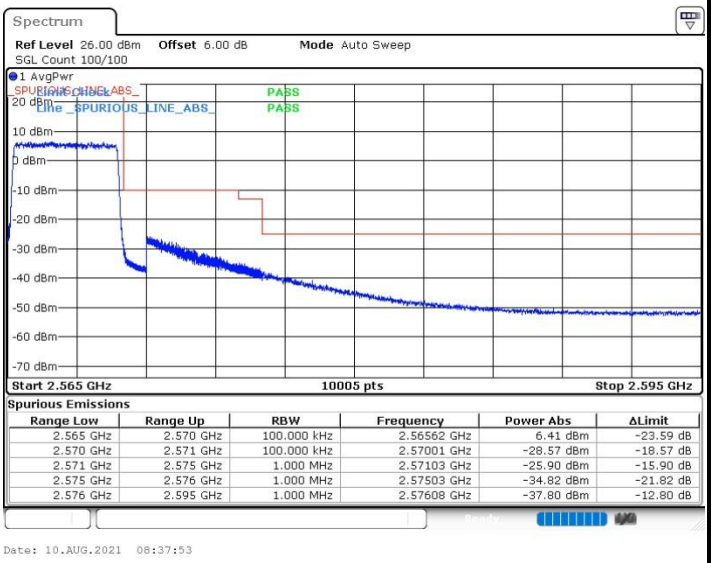


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49388 GHz	-36.70 dBm	-11.70 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-28.53 dBm	-15.53 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49838 GHz	-22.98 dBm	-12.98 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-26.97 dBm	-16.97 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50451 GHz	6.89 dBm	-23.11 dB

Date: 10.AUG.2021 08:37:02

Highest Band Edge / Full RB



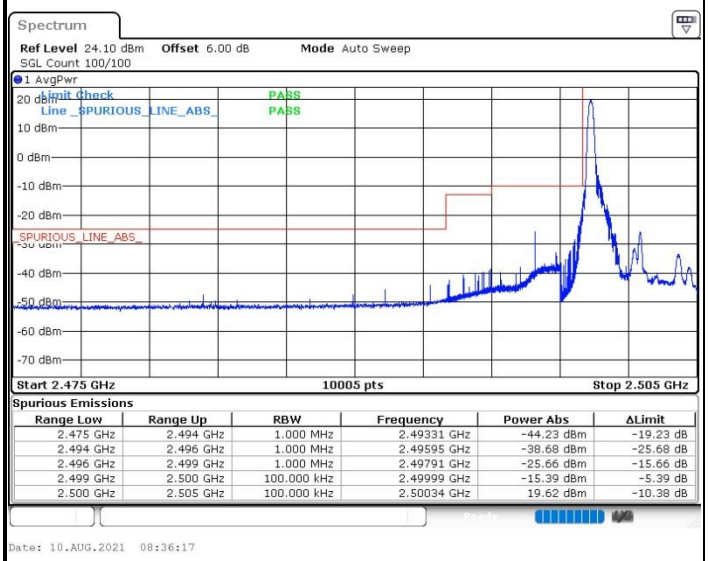
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56562 GHz	6.41 dBm	-23.59 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-28.57 dBm	-18.57 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-25.90 dBm	-15.90 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-34.82 dBm	-21.82 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57608 GHz	-37.80 dBm	-12.80 dB

Date: 10.AUG.2021 08:37:53

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

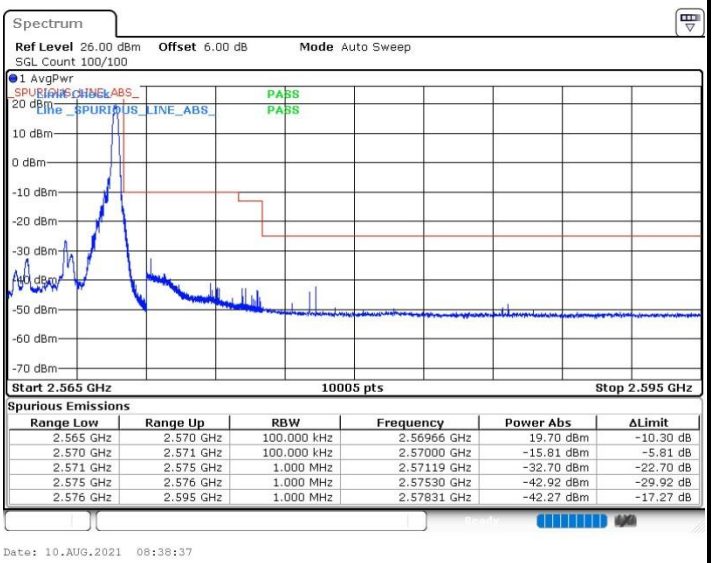


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49331 GHz	-44.23 dBm	-19.23 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-38.68 dBm	-25.68 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49791 GHz	-25.66 dBm	-15.66 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-15.39 dBm	-5.39 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	19.62 dBm	-10.38 dB

Date: 10.AUG.2021 08:36:17

Highest Band Edge / 1 RB

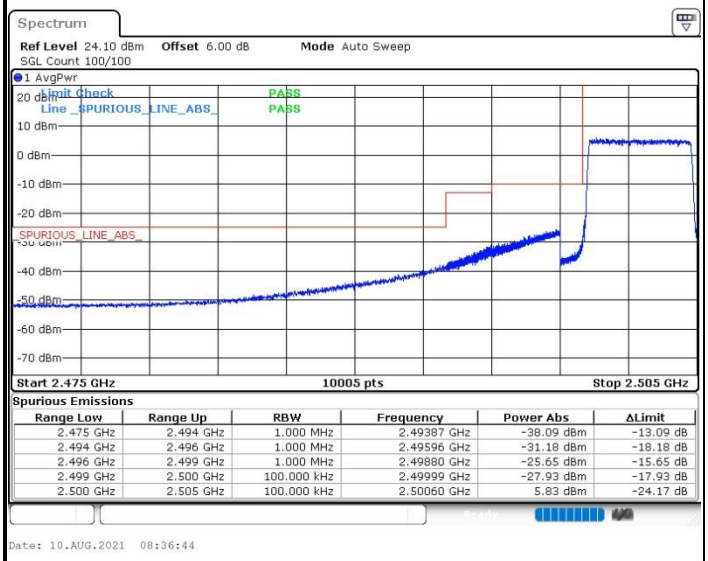


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	19.70 dBm	-10.30 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-15.81 dBm	-5.81 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57119 GHz	-32.70 dBm	-22.70 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57530 GHz	-42.92 dBm	-29.92 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57831 GHz	-42.27 dBm	-17.27 dB

Date: 10.AUG.2021 08:38:37

Lowest Band Edge / Full RB

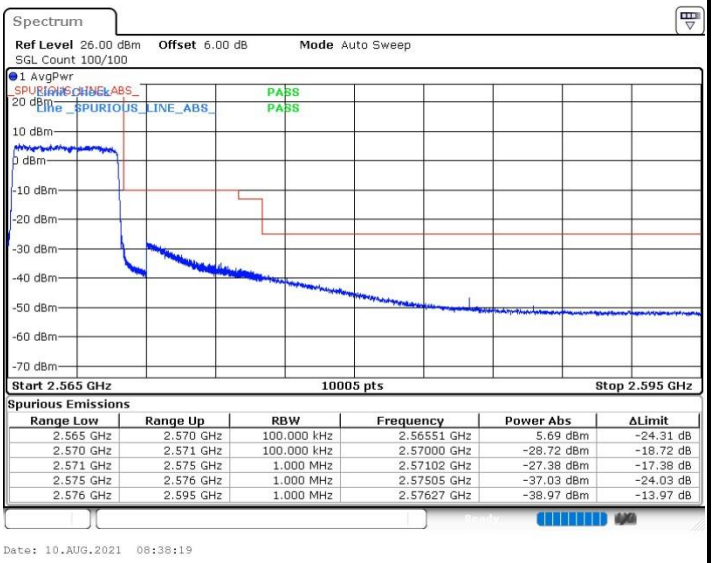


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49387 GHz	-38.09 dBm	-13.09 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-31.18 dBm	-18.18 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49880 GHz	-25.65 dBm	-15.65 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-27.93 dBm	-17.93 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50060 GHz	5.83 dBm	-24.17 dB

Date: 10.AUG.2021 08:36:44

Highest Band Edge / Full RB



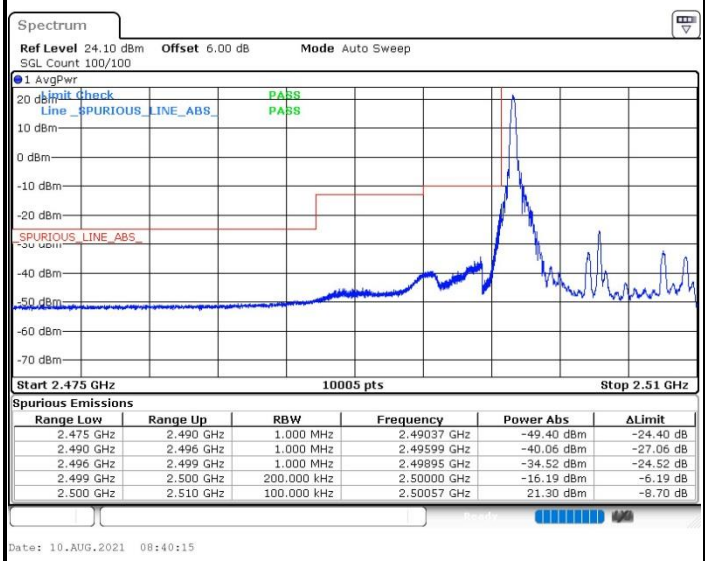
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56551 GHz	5.69 dBm	-24.31 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-28.72 dBm	-18.72 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-27.38 dBm	-17.38 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57505 GHz	-37.03 dBm	-24.03 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57627 GHz	-38.97 dBm	-13.97 dB

Date: 10.AUG.2021 08:38:19

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

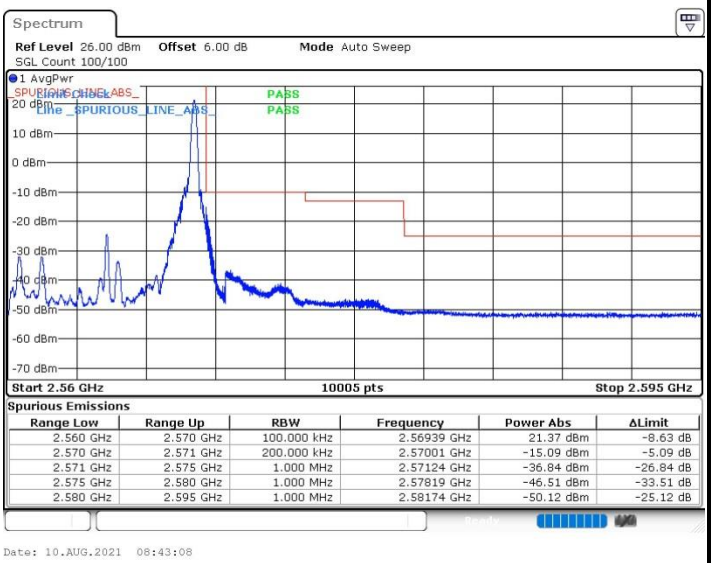


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-49.40 dBm	-24.40 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-40.06 dBm	-27.06 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-34.52 dBm	-24.52 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-16.19 dBm	-6.19 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50057 GHz	21.30 dBm	-8.70 dB

Date: 10.AUG.2021 08:40:15

Highest Band Edge / 1 RB

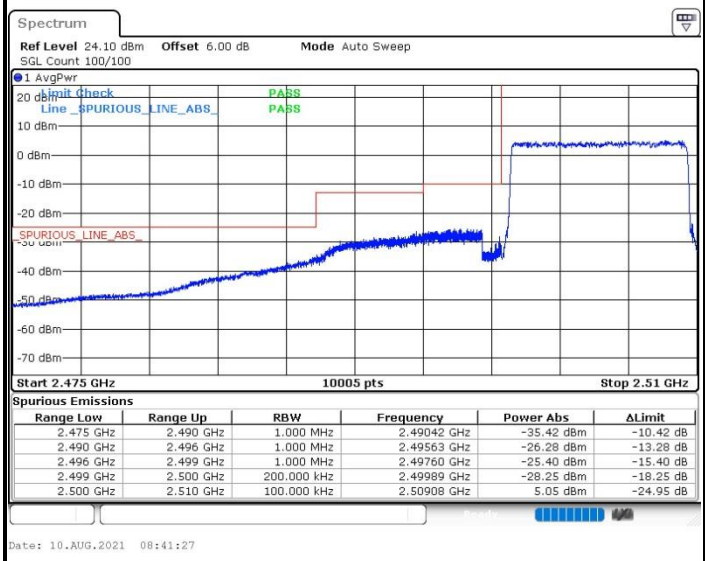


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	21.37 dBm	-8.63 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-15.09 dBm	-5.09 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57124 GHz	-36.84 dBm	-26.84 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57819 GHz	-46.51 dBm	-33.51 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58174 GHz	-50.12 dBm	-25.12 dB

Date: 10.AUG.2021 08:43:08

Lowest Band Edge / Full RB

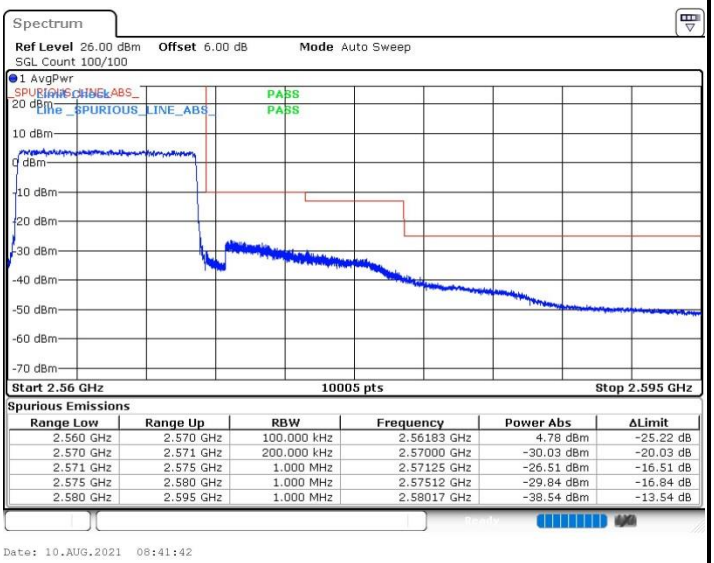


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-35.42 dBm	-10.42 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49563 GHz	-26.28 dBm	-13.28 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49760 GHz	-25.40 dBm	-15.40 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49989 GHz	-28.25 dBm	-18.25 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50908 GHz	5.05 dBm	-24.95 dB

Date: 10.AUG.2021 08:41:27

Highest Band Edge / Full RB



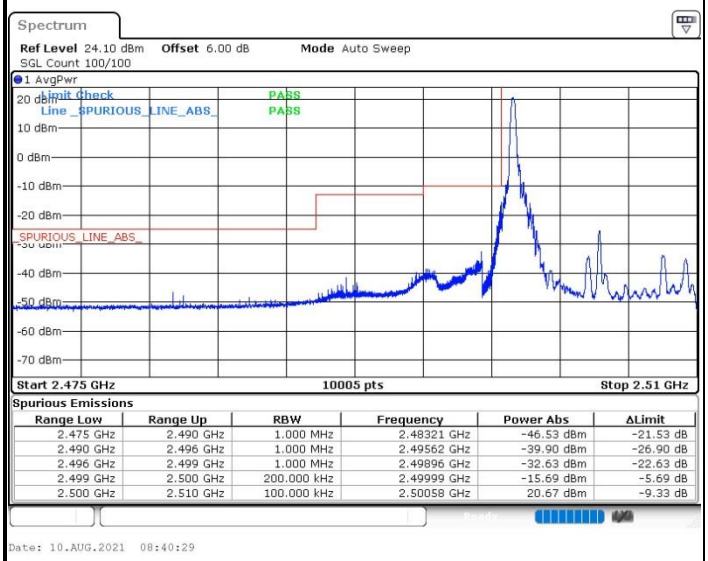
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56183 GHz	4.78 dBm	-25.22 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-30.03 dBm	-20.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57125 GHz	-26.51 dBm	-16.51 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57512 GHz	-29.84 dBm	-16.84 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58017 GHz	-38.54 dBm	-13.54 dB

Date: 10.AUG.2021 08:41:42

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

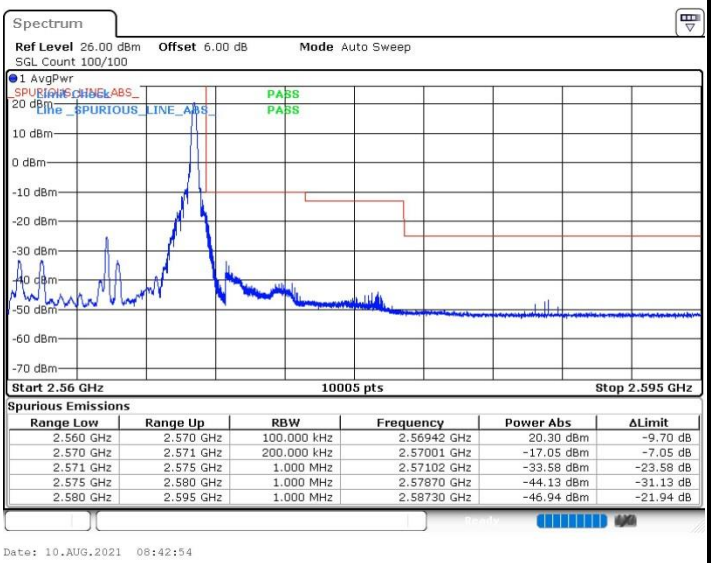


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48321 GHz	-46.53 dBm	-21.53 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49562 GHz	-39.90 dBm	-26.90 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-32.63 dBm	-22.63 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-15.69 dBm	-5.69 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	20.67 dBm	-9.33 dB

Date: 10.AUG.2021 08:40:29

Highest Band Edge / 1 RB

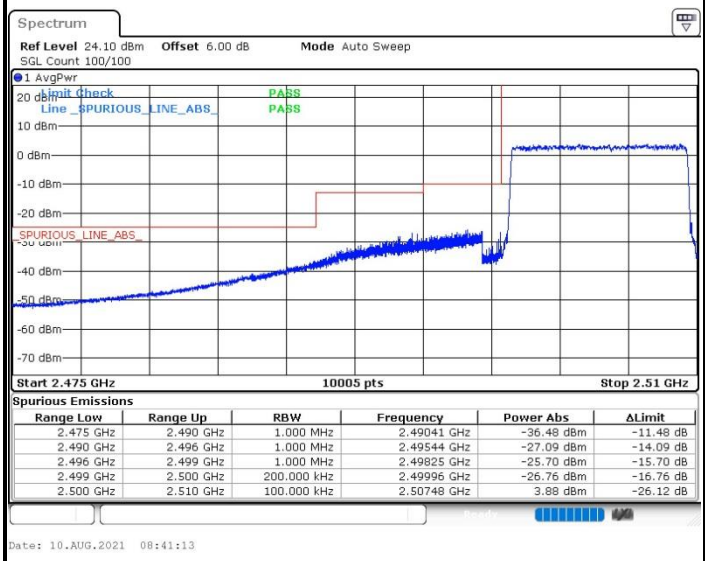


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56942 GHz	20.30 dBm	-9.70 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-17.05 dBm	-7.05 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-33.58 dBm	-23.58 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57870 GHz	-44.13 dBm	-31.13 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58730 GHz	-46.94 dBm	-21.94 dB

Date: 10.AUG.2021 08:42:54

Lowest Band Edge / Full RB

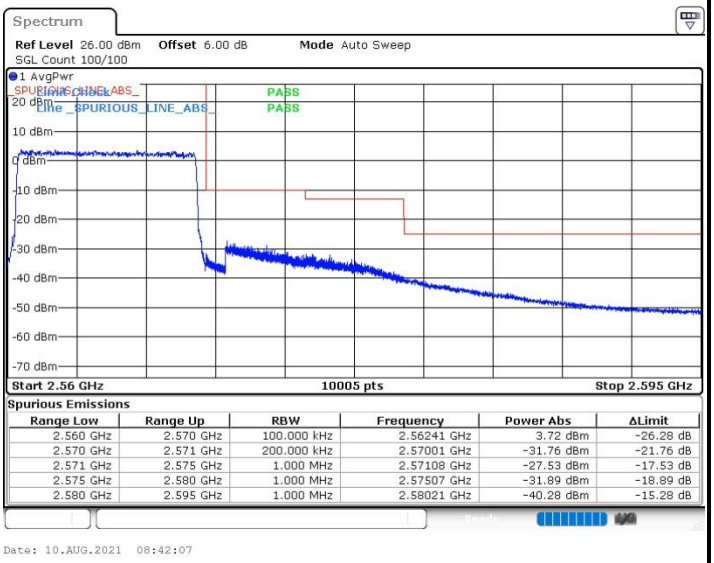


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49041 GHz	-36.48 dBm	-11.48 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49544 GHz	-27.09 dBm	-14.09 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49825 GHz	-25.70 dBm	-15.70 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49996 GHz	-26.76 dBm	-16.76 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50748 GHz	3.88 dBm	-26.12 dB

Date: 10.AUG.2021 08:41:13

Highest Band Edge / Full RB



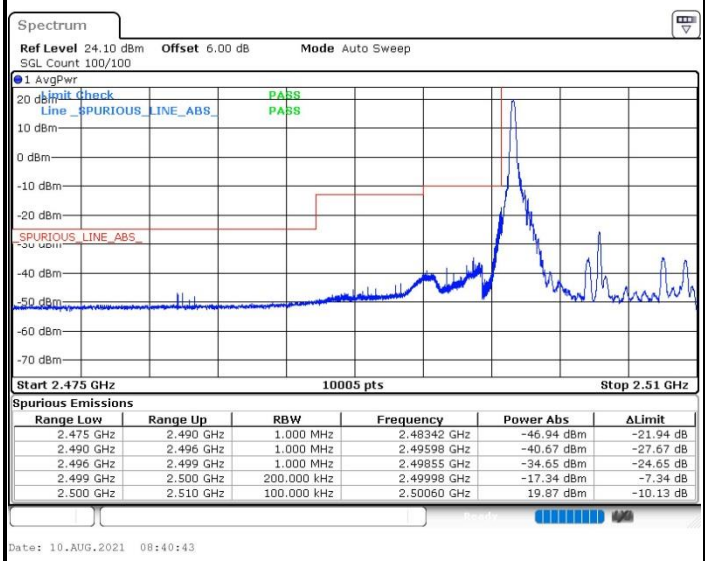
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56241 GHz	3.72 dBm	-26.28 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-31.76 dBm	-21.76 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-27.53 dBm	-17.53 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57507 GHz	-31.89 dBm	-18.89 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58021 GHz	-40.28 dBm	-15.28 dB

Date: 10.AUG.2021 08:42:07

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

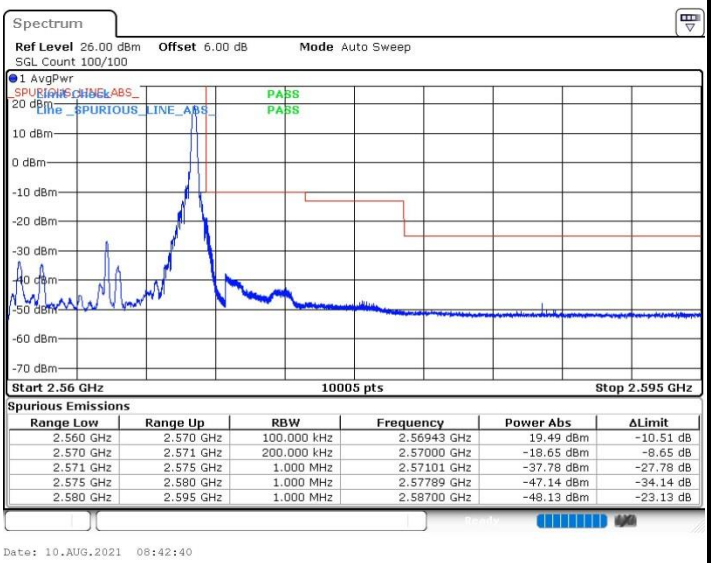


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48342 GHz	-46.94 dBm	-21.94 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-40.67 dBm	-27.67 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49855 GHz	-34.65 dBm	-24.65 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-17.34 dBm	-7.34 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	19.87 dBm	-10.13 dB

Date: 10.AUG.2021 08:40:43

Highest Band Edge / 1 RB

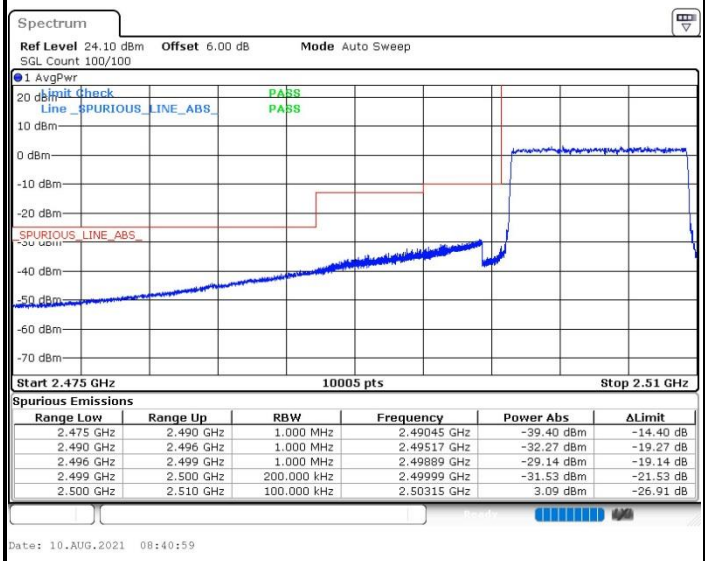


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56943 GHz	19.49 dBm	-10.51 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-18.65 dBm	-8.65 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-37.78 dBm	-27.78 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57789 GHz	-47.14 dBm	-34.14 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58700 GHz	-48.13 dBm	-23.13 dB

Date: 10.AUG.2021 08:42:40

Lowest Band Edge / Full RB

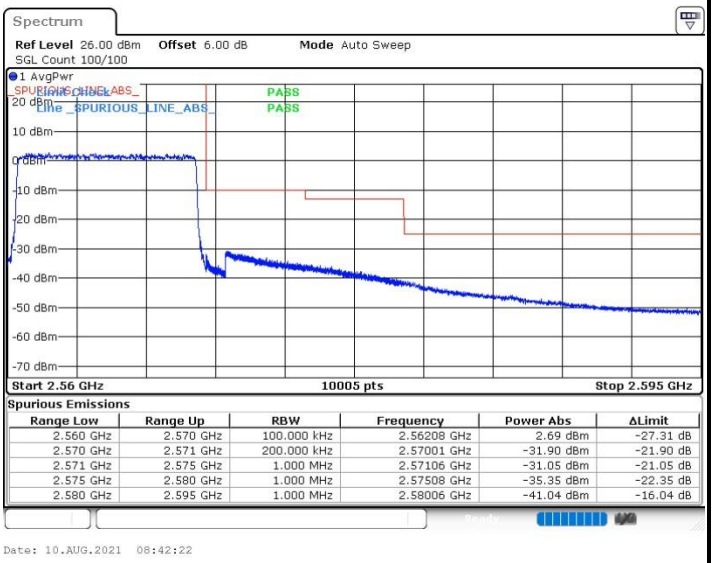


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-39.40 dBm	-14.40 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49517 GHz	-32.27 dBm	-19.27 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49889 GHz	-29.14 dBm	-19.14 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-31.53 dBm	-21.53 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50315 GHz	3.09 dBm	-26.91 dB

Date: 10.AUG.2021 08:40:59

Highest Band Edge / Full RB



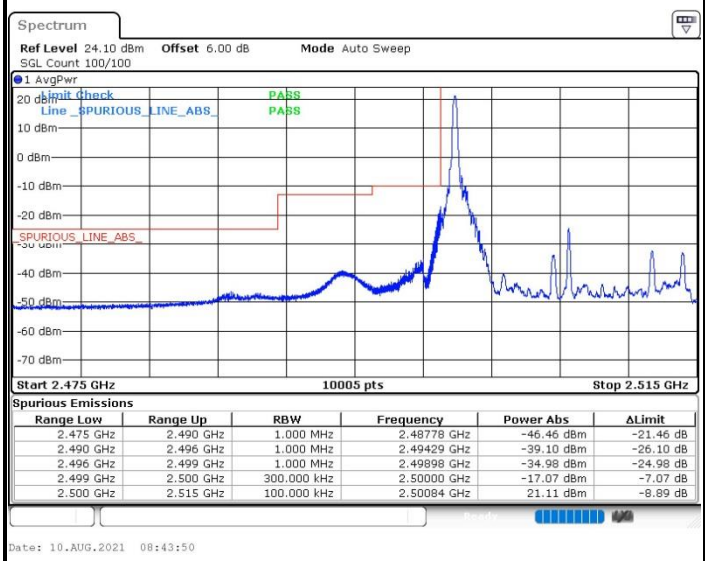
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56208 GHz	2.69 dBm	-27.31 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-31.90 dBm	-21.90 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-31.05 dBm	-21.05 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57508 GHz	-35.35 dBm	-22.35 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58006 GHz	-41.04 dBm	-16.04 dB

Date: 10.AUG.2021 08:42:22

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

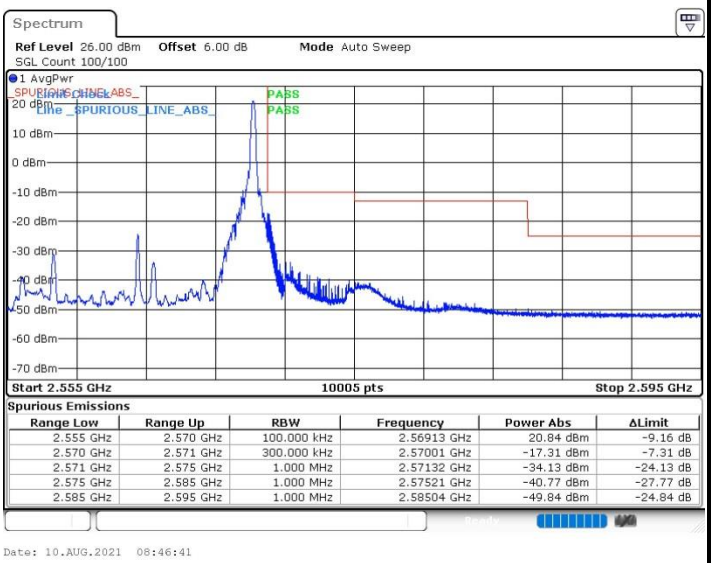


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48778 GHz	-46.46 dBm	-21.46 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49429 GHz	-39.10 dBm	-26.10 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-34.98 dBm	-24.98 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-17.07 dBm	-7.07 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	21.11 dBm	-8.89 dB

Date: 10.AUG.2021 08:43:50

Highest Band Edge / 1 RB

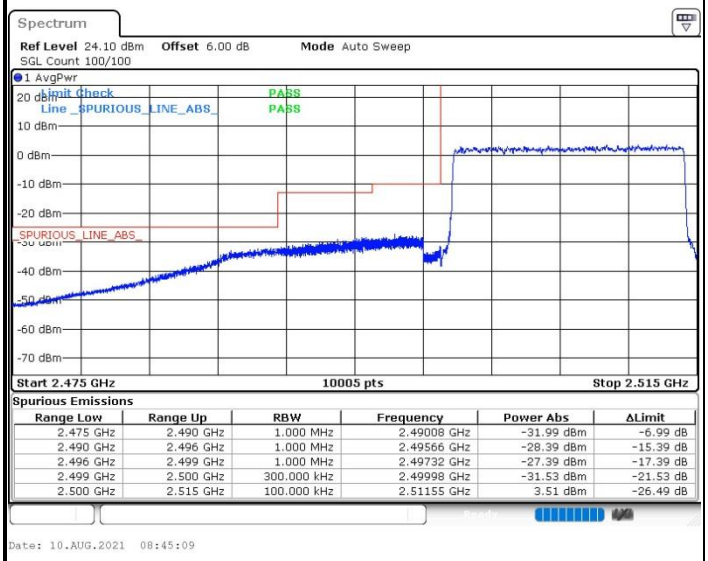


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56913 GHz	20.84 dBm	-9.16 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-17.31 dBm	-7.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57132 GHz	-34.13 dBm	-24.13 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57521 GHz	-40.77 dBm	-27.77 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58504 GHz	-49.84 dBm	-24.84 dB

Date: 10.AUG.2021 08:46:41

Lowest Band Edge / Full RB

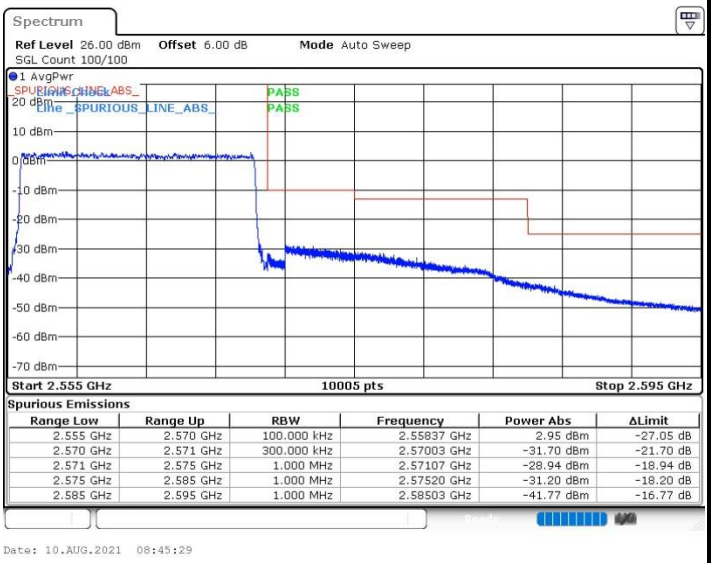


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49008 GHz	-31.99 dBm	-6.99 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49566 GHz	-28.39 dBm	-15.39 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49732 GHz	-27.39 dBm	-17.39 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-31.53 dBm	-21.53 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51155 GHz	3.51 dBm	-26.49 dB

Date: 10.AUG.2021 08:45:09

Highest Band Edge / Full RB



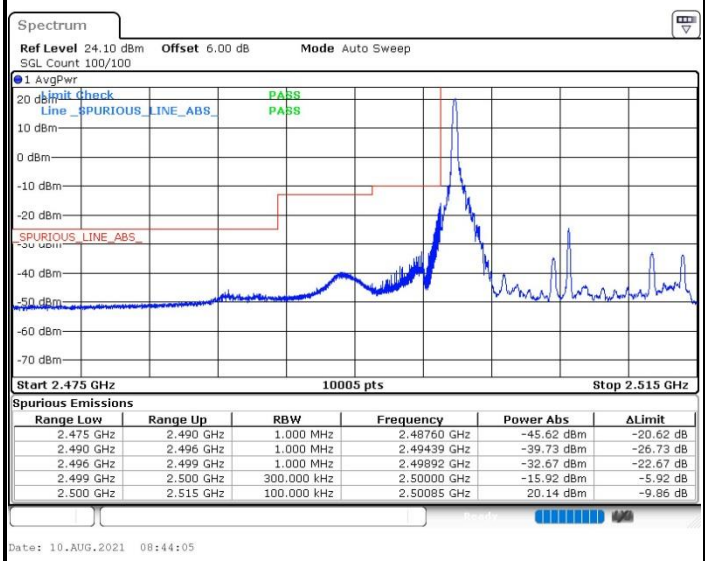
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55837 GHz	2.95 dBm	-27.05 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57003 GHz	-31.70 dBm	-21.70 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-28.94 dBm	-18.94 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57520 GHz	-31.20 dBm	-18.20 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58503 GHz	-41.77 dBm	-16.77 dB

Date: 10.AUG.2021 08:45:29

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

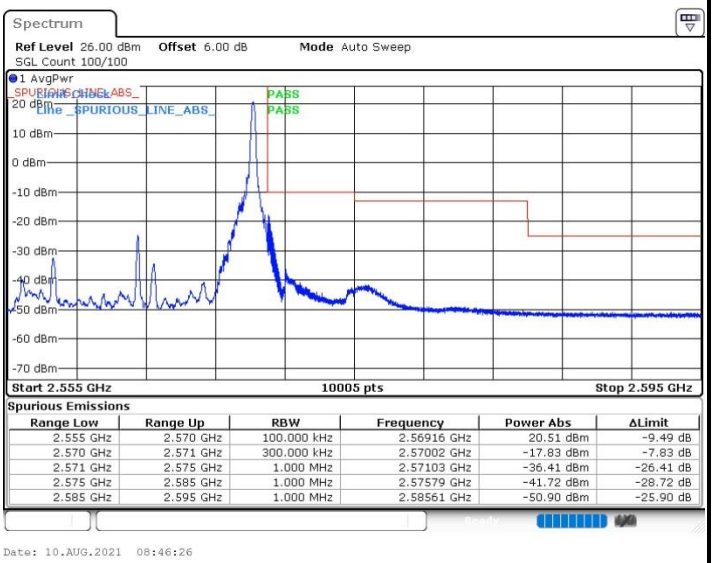


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48760 GHz	-45.62 dBm	-20.62 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49439 GHz	-39.73 dBm	-26.73 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-32.67 dBm	-22.67 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-15.92 dBm	-5.92 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50085 GHz	20.14 dBm	-9.86 dB

Date: 10.AUG.2021 08:44:05

Highest Band Edge / 1 RB

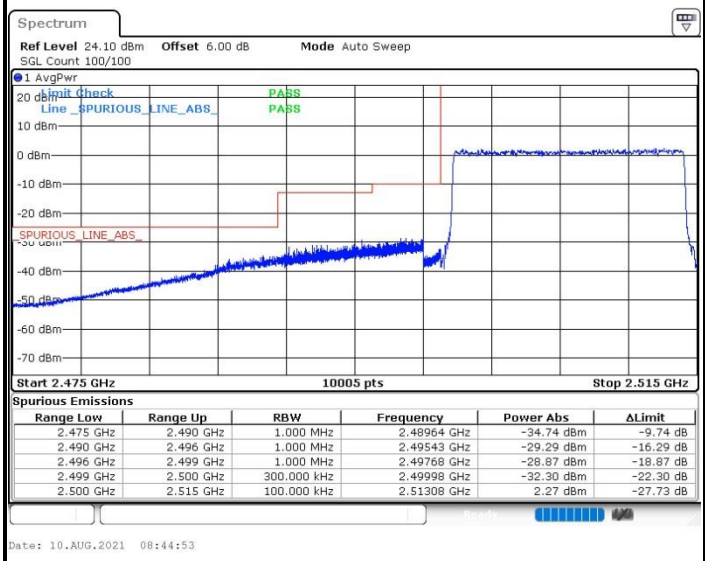


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	20.51 dBm	-9.49 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-17.83 dBm	-7.83 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-36.41 dBm	-26.41 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57579 GHz	-41.72 dBm	-28.72 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58561 GHz	-50.90 dBm	-25.90 dB

Date: 10.AUG.2021 08:46:26

Lowest Band Edge / Full RB

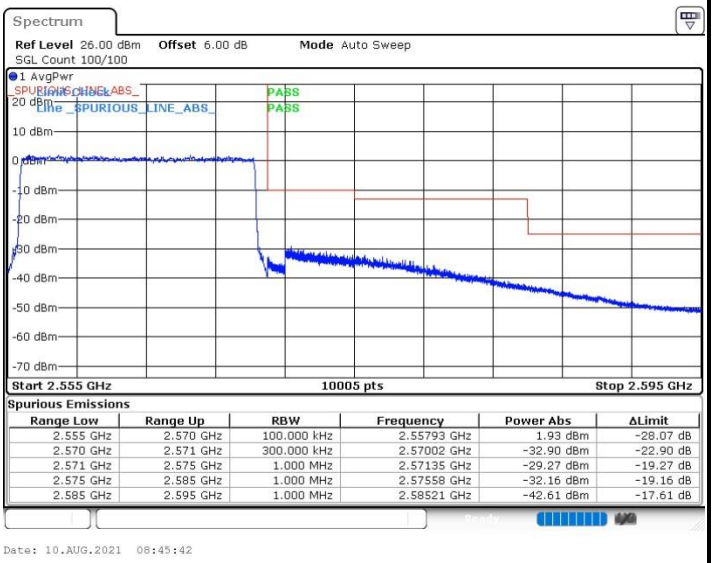


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48964 GHz	-34.74 dBm	-9.74 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49543 GHz	-29.29 dBm	-16.29 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49768 GHz	-28.87 dBm	-18.87 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-32.30 dBm	-22.30 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51308 GHz	2.27 dBm	-27.73 dB

Date: 10.AUG.2021 08:44:53

Highest Band Edge / Full RB



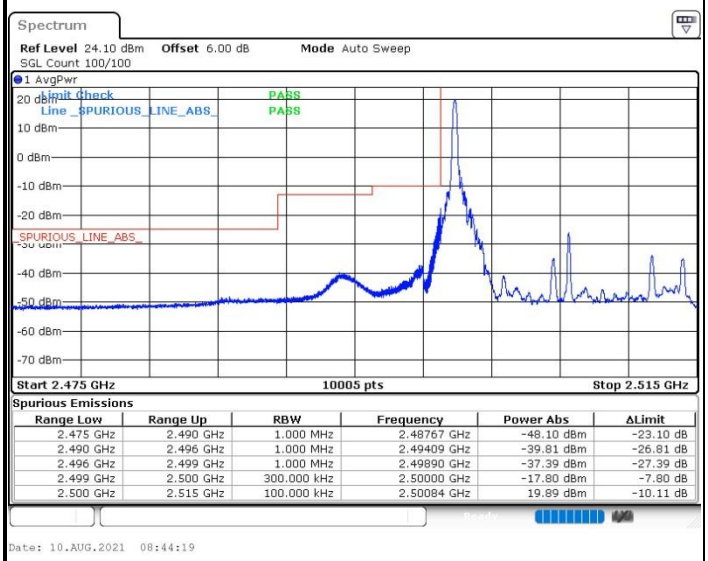
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55793 GHz	1.93 dBm	-28.07 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-32.90 dBm	-22.90 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57135 GHz	-29.27 dBm	-19.27 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57558 GHz	-32.16 dBm	-19.16 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58521 GHz	-42.61 dBm	-17.61 dB

Date: 10.AUG.2021 08:45:42

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

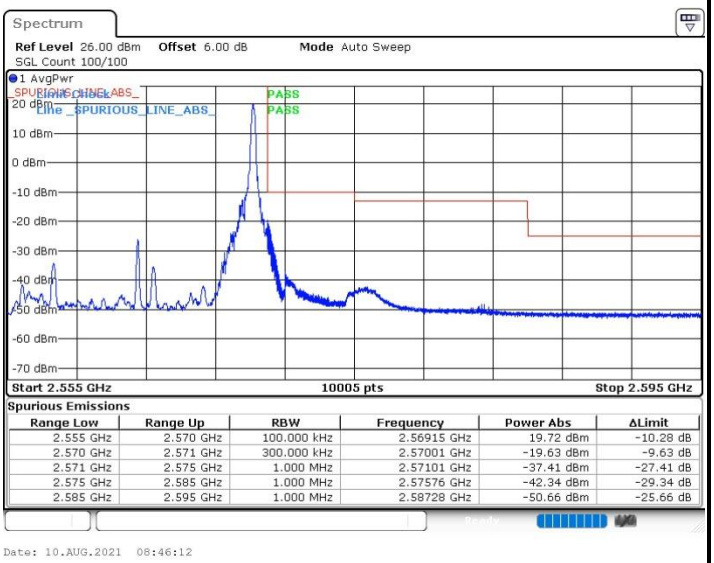


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48767 GHz	-48.10 dBm	-23.10 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49409 GHz	-39.81 dBm	-26.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-37.39 dBm	-27.39 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-17.80 dBm	-7.80 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	19.89 dBm	-10.11 dB

Date: 10.AUG.2021 08:44:19

Highest Band Edge / 1 RB

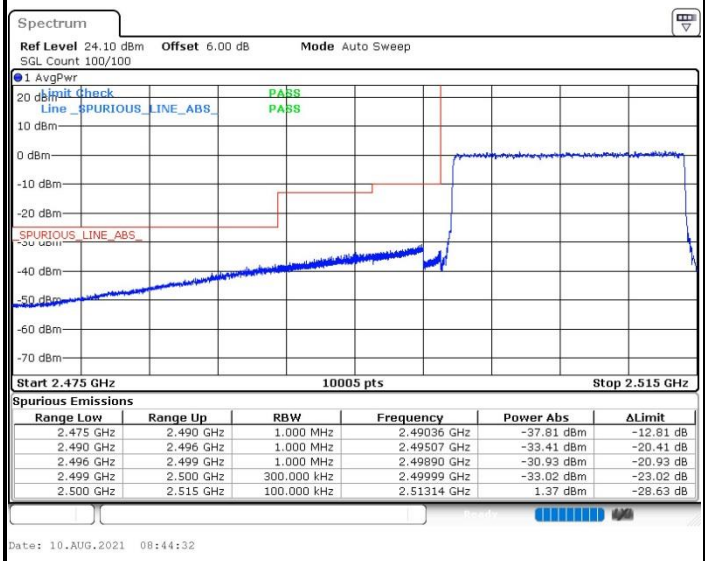


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56915 GHz	19.72 dBm	-10.28 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-19.63 dBm	-9.63 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-37.41 dBm	-27.41 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57576 GHz	-42.34 dBm	-29.34 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58728 GHz	-50.66 dBm	-25.66 dB

Date: 10.AUG.2021 08:46:12

Lowest Band Edge / Full RB

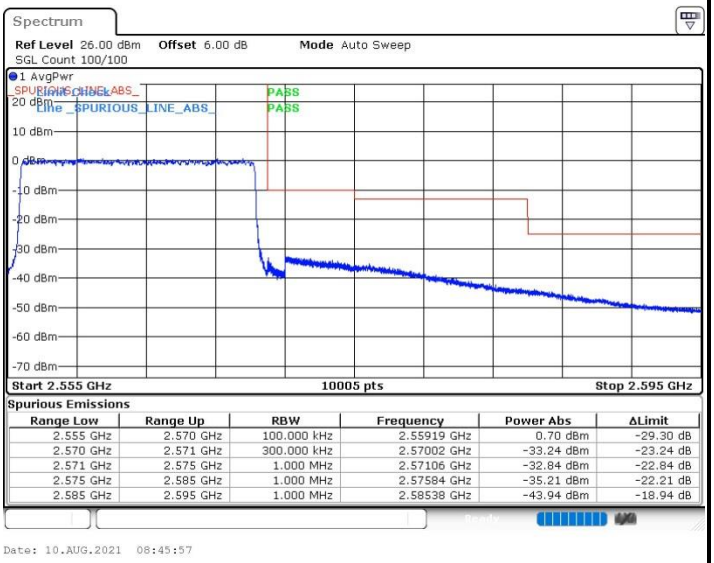


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-37.81 dBm	-12.81 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49507 GHz	-33.41 dBm	-20.41 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-30.93 dBm	-20.93 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-33.02 dBm	-23.02 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51314 GHz	1.37 dBm	-28.63 dB

Date: 10.AUG.2021 08:44:32

Highest Band Edge / Full RB

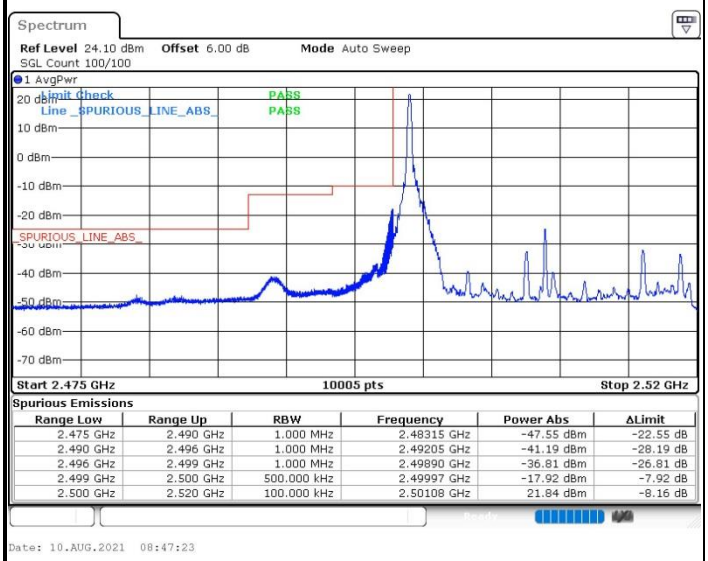


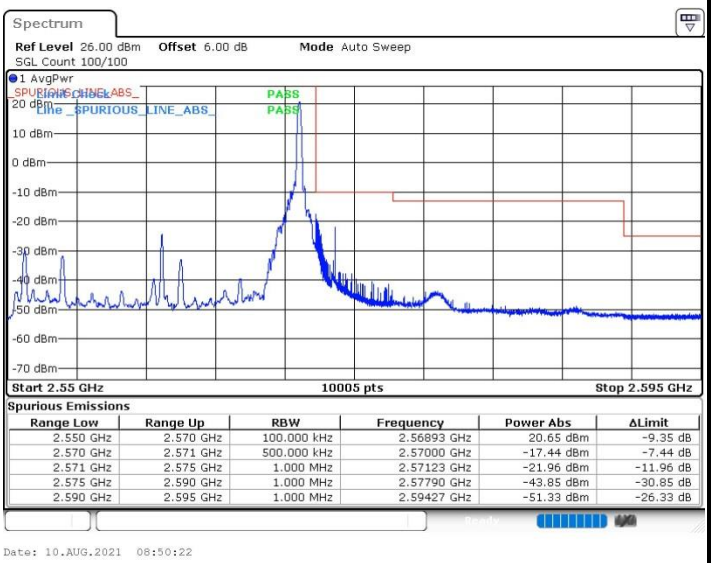
Spurious Emissions

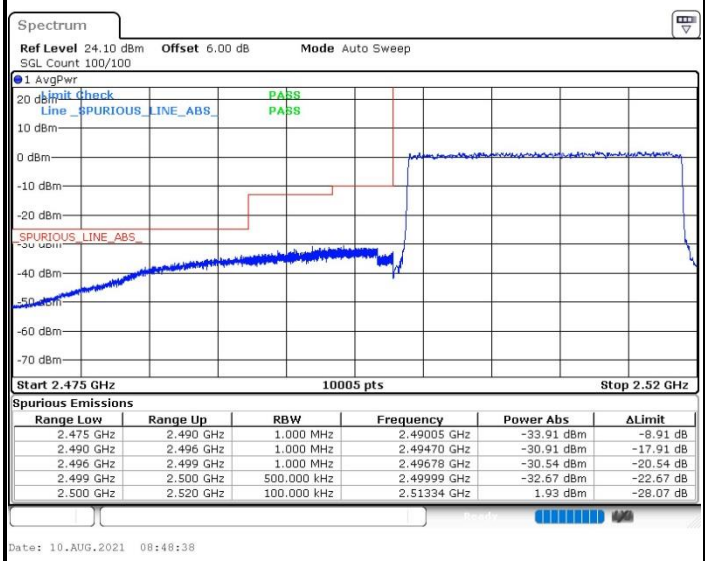
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55919 GHz	0.70 dBm	-29.30 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-33.24 dBm	-23.24 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-32.84 dBm	-22.84 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57584 GHz	-35.21 dBm	-22.21 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58538 GHz	-43.94 dBm	-18.94 dB

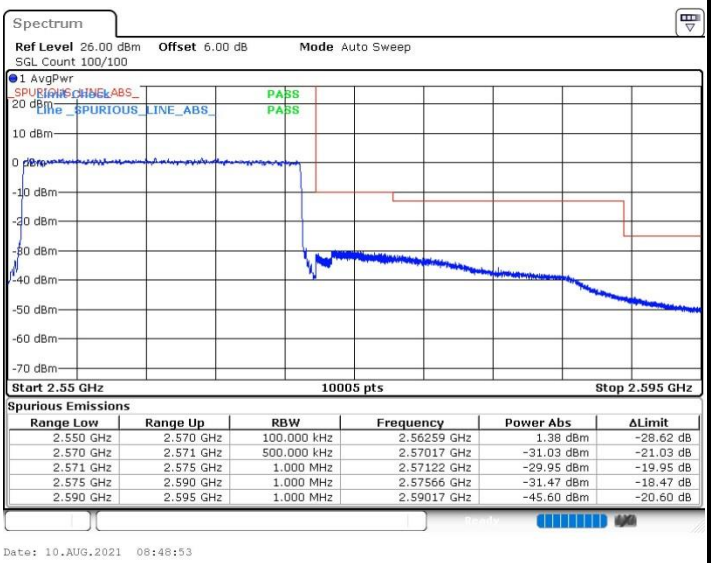
Date: 10.AUG.2021 08:45:57

LTE Band 7 / 20MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



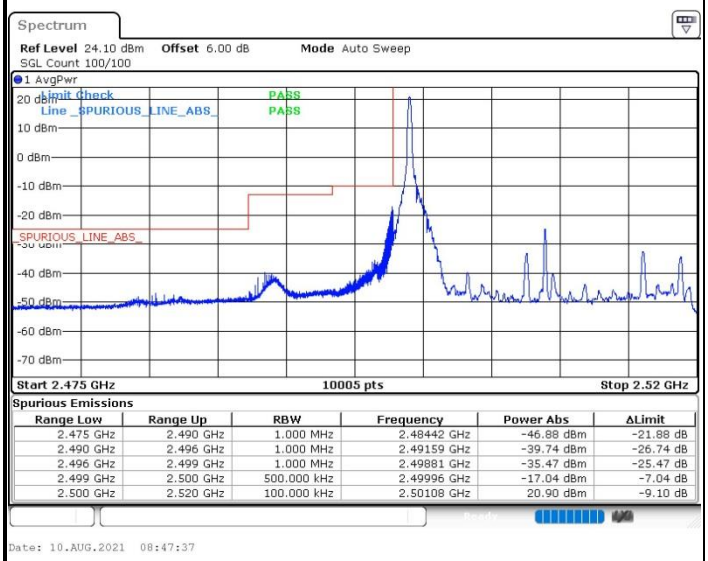






LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

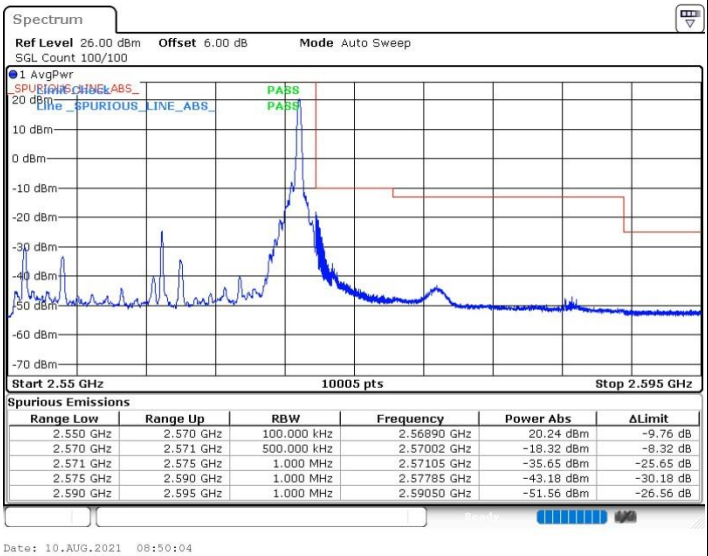


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48442 GHz	-46.88 dBm	-21.88 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49159 GHz	-39.74 dBm	-26.74 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49881 GHz	-35.47 dBm	-25.47 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49996 GHz	-17.04 dBm	-7.04 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50108 GHz	20.90 dBm	-9.10 dB

Date: 10.AUG.2021 08:47:37

Highest Band Edge / 1 RB

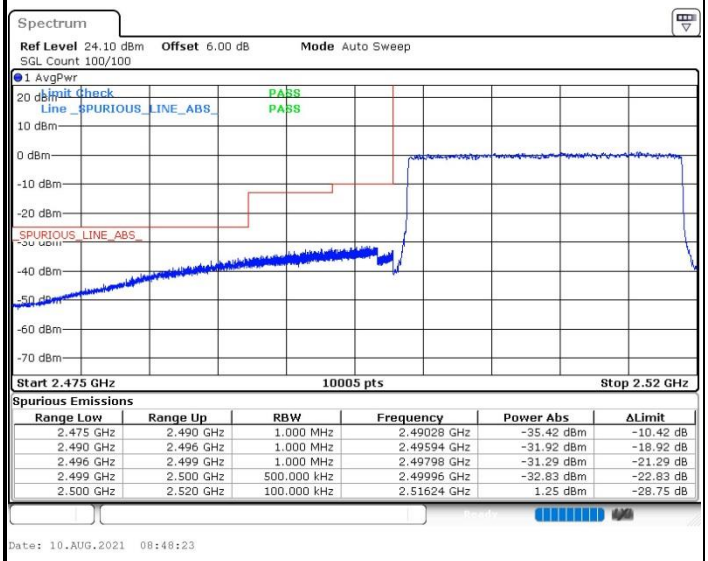


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56890 GHz	20.24 dBm	-9.76 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-18.32 dBm	-8.32 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-35.65 dBm	-25.65 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57785 GHz	-43.18 dBm	-30.18 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59050 GHz	-51.56 dBm	-26.56 dB

Date: 10.AUG.2021 08:50:04

Lowest Band Edge / Full RB

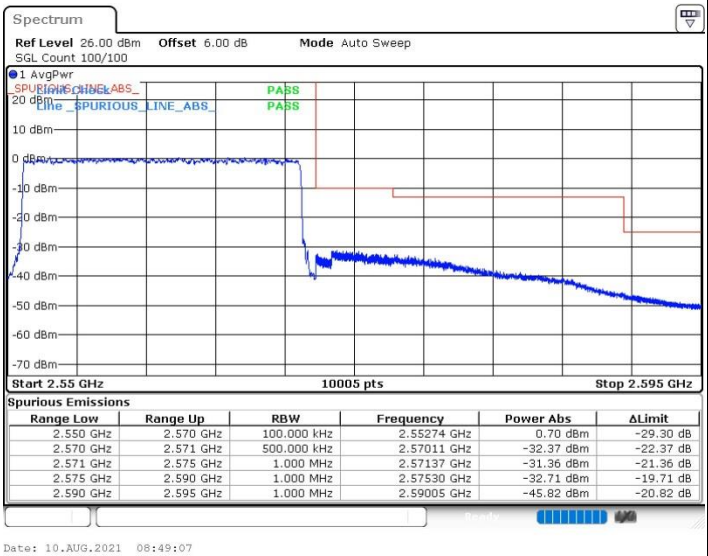


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-35.42 dBm	-10.42 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-31.92 dBm	-18.92 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49798 GHz	-31.29 dBm	-21.29 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49996 GHz	-32.83 dBm	-22.83 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51624 GHz	1.25 dBm	-28.75 dB

Date: 10.AUG.2021 08:48:23

Highest Band Edge / Full RB



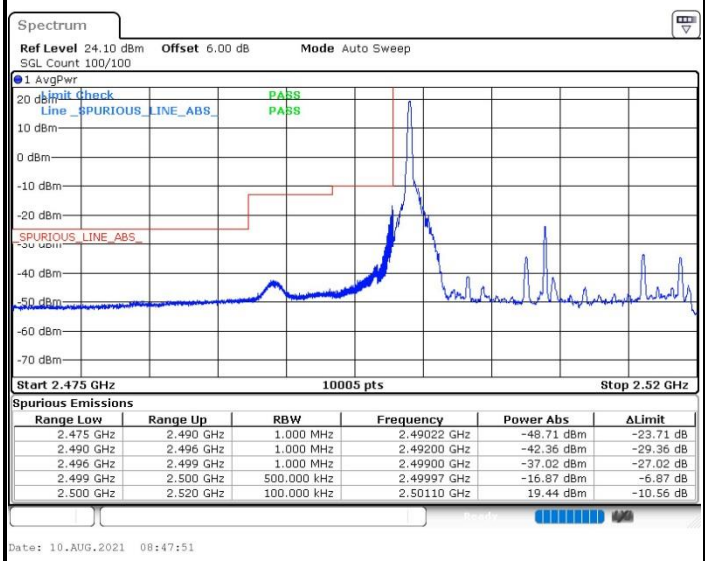
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55274 GHz	0.70 dBm	-29.30 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57011 GHz	-32.37 dBm	-22.37 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57137 GHz	-31.36 dBm	-21.36 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57530 GHz	-32.71 dBm	-19.71 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59005 GHz	-45.82 dBm	-20.82 dB

Date: 10.AUG.2021 08:49:07

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

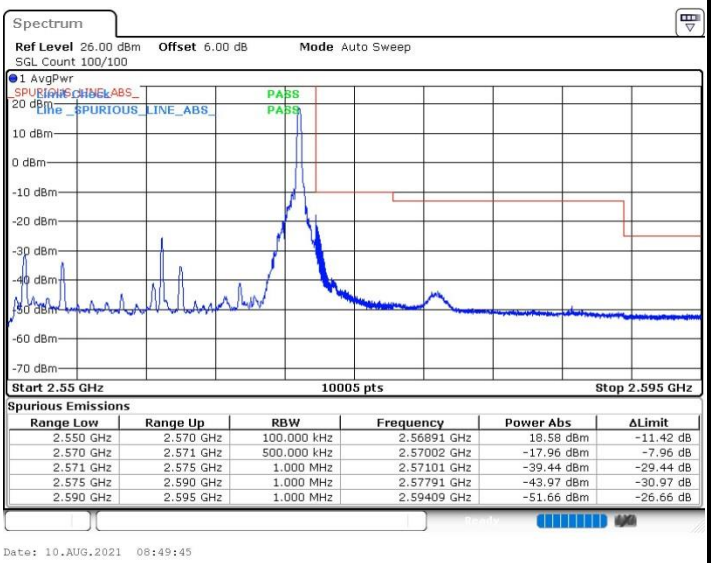


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-48.71 dBm	-23.71 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49200 GHz	-42.36 dBm	-29.36 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-37.02 dBm	-27.02 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-16.87 dBm	-6.87 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	19.44 dBm	-10.56 dB

Date: 10.AUG.2021 08:47:51

Highest Band Edge / 1 RB

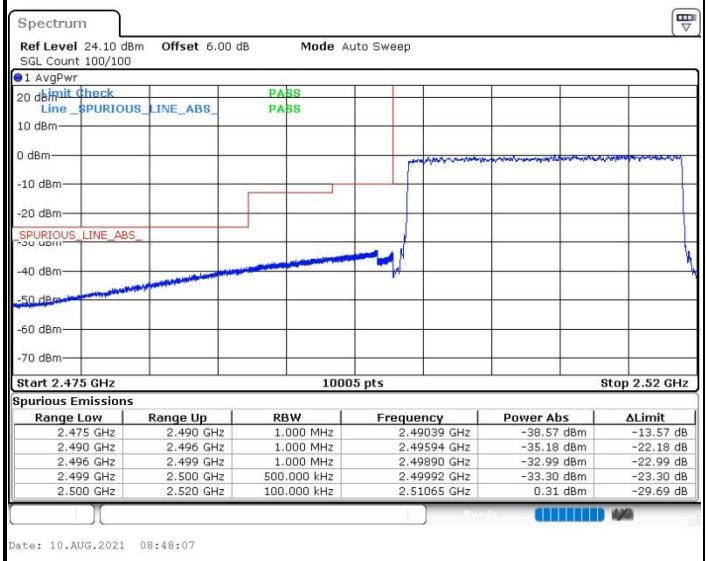


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	18.58 dBm	-11.42 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-17.96 dBm	-7.96 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-39.44 dBm	-29.44 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57791 GHz	-43.97 dBm	-30.97 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59409 GHz	-51.66 dBm	-26.66 dB

Date: 10.AUG.2021 08:49:45

Lowest Band Edge / Full RB

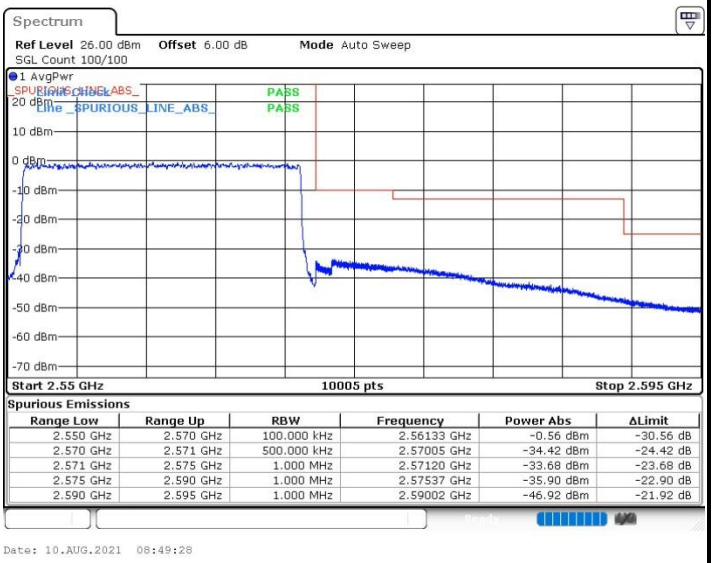


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49039 GHz	-38.57 dBm	-13.57 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-35.18 dBm	-22.18 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-32.99 dBm	-22.99 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49992 GHz	-33.30 dBm	-23.30 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51065 GHz	0.31 dBm	-29.69 dB

Date: 10.AUG.2021 08:48:07

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	2.56133 GHz	-0.56 dBm	-30.56 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57005 GHz	-34.42 dBm	-24.42 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57120 GHz	-33.68 dBm	-23.68 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57537 GHz	-35.90 dBm	-22.90 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59002 GHz	-46.92 dBm	-21.92 dB

Date: 10.AUG.2021 08:49:28