FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2335-2
FCC ID	: IHDT56AJ7
STANDARD	: 47 CFR Part 2, 27(M)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Oct. 27, 2022 ~ Nov. 13, 2022

We, Sporton International Inc. (Kunshan), 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.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen)

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

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.02

Sporton International Inc. (Kunshan)
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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG292106-01A	Rev. 01	Initial issue of report	Nov. 18, 2022

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 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 38) (Band 41)	§27.53(m)(4)	PASS	-
3.8	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (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 38) (Band 41)	< $55+10\log_{10}$(P[Watts])	PASS	Under limit 23.35 dB at 10296.40 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

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2335-2
FCC ID	IHDT56AJ7
IMEI Code	Conducted: 351401230012275/351401230012283 Radiation: 351401230013018/351401230013026
HW Version	DVT2
SW Version	TTP33.24
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Rx Frequency	LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 38 : 23.26 dBm LTE Band 41 : 25.53 dBm LTE Band 41C : 26.65 dBm
Antenna Gain	LTE Band 38 : -2.6 dBi LTE Band 41 : -2.6 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note: LTE Band 41/41C support HPUE mode.

1.5 Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-101
AC Adapter 1(EU)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-102
AC Adapter 1(UK)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-103
AC Adapter 1(AU)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-105
AC Adapter 2(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-101
AC Adapter 2(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-102
AC Adapter 2(UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-103
AC Adapter 2(AU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-105
AC Adapter 3(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-101
AC Adapter 3(EU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-102
AC Adapter 3(UK)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-103
AC Adapter 3(AU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-105
AC Adapter 4(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-201L
AC Adapter 4(EU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-202L
AC Adapter 4(AR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-206L
AC Adapter 4(BR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-207L
AC Adapter 4(CHILE)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-209L
AC Adapter 5(US)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-201L
AC Adapter 5(EU)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-202L
AC Adapter 5(AR)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-206L
AC Adapter 6(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-207
Battery 1	**Brand Name**	Motorola(ATL)	**Model Name**	NH50
Battery 2	**Brand Name**	Motorola(SUNWODA)	**Model Name**	NH50
Earphone 1	**Brand Name**	Motorola(New Leader)	**Model Name**	MH202
Earphone 2	**Brand Name**	Motorola(Lyand)	**Model Name**	MH202
USB Cable 1	**Brand Name**	Motorola(kawakami)	**Model Name**	S928D67706
USB Cable 2	**Brand Name**	Motorola(Beauford)	**Model Name**	S928D70140

1.7 Maximum EIRP Power and Emission Designator

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	0.1164	17M9G7D	0.0918	17M8W7D
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	0.1963	17M9G7D	0.1581	17M8W7D
LTE Band 41 CA		**QPSK**		**16QAM/64QAM/256QAM**	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz		0.2541	37M8G7D	0.2339	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 have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.8 Testing Location

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

Test Firm	Sporton International Inc. (Kunshan)		
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.**
	TH01-KS	CN1257	314309

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH02-SZ	CN1256	421272

1.9 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

1.10 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

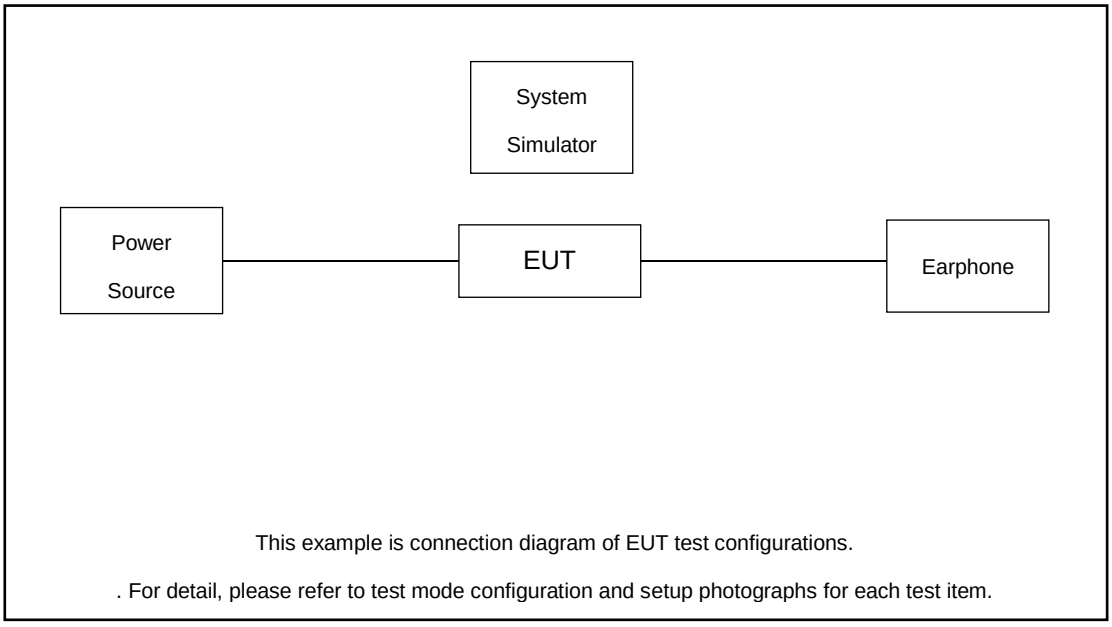
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

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	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	41	-	-				v	v	v	v	v			v		v	
26dB and 99% Bandwidth	41	-	-				v	v	v					v		v	
Conducted Band Edge	41	-	-	v	v	v	v	v	v	v		v		v	v		v
Conducted Spurious Emission	41	-	-	v	v	v	v	v				v			v	v	v
Frequency Stability	41	-	-		v			v						v		v	
E.I.R.P	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
Radiated Spurious Emission	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.																

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	256 QAM	1	Half	Full	L	M	H
Max. Output Power	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	41C_CA	v										v	v					v		v	
Conducted Band Edge	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	41C_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v
E.I.R.P.	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Frequency Stability	41C_CA	v										v						v		v	
Radiated Spurious Emission	41C_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.																				

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.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between 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 9.98 dB.

Example :

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

= 9.98 (dB)

2.5 Frequency List of Low/Middle/High Channels

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 41C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

LTE Band 41C_CA Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

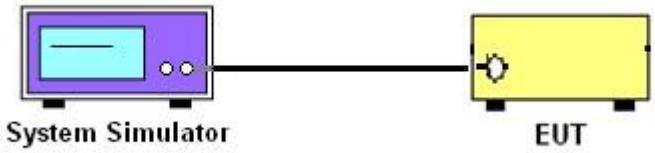
3 Conducted Test Items

3.1 Measuring Instruments

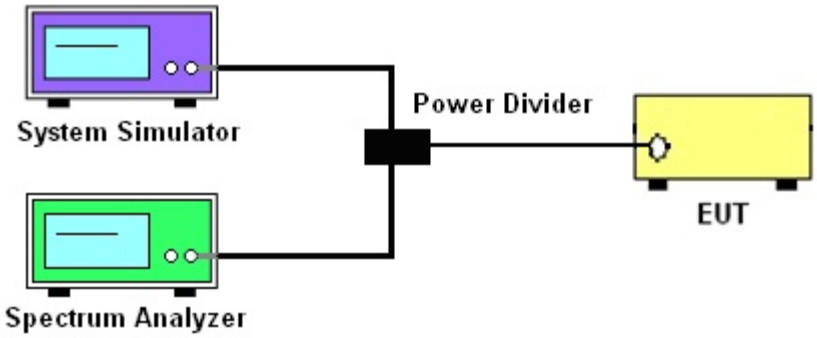
See list of measuring instruments of this test report.

3.2 Test Setup

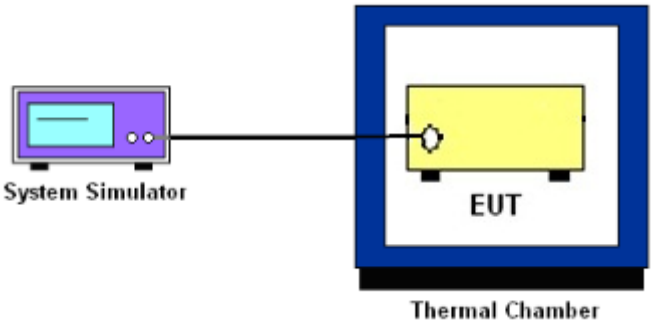
3.2.1 Conducted Output Power



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 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 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

For Band 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. For Band 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.

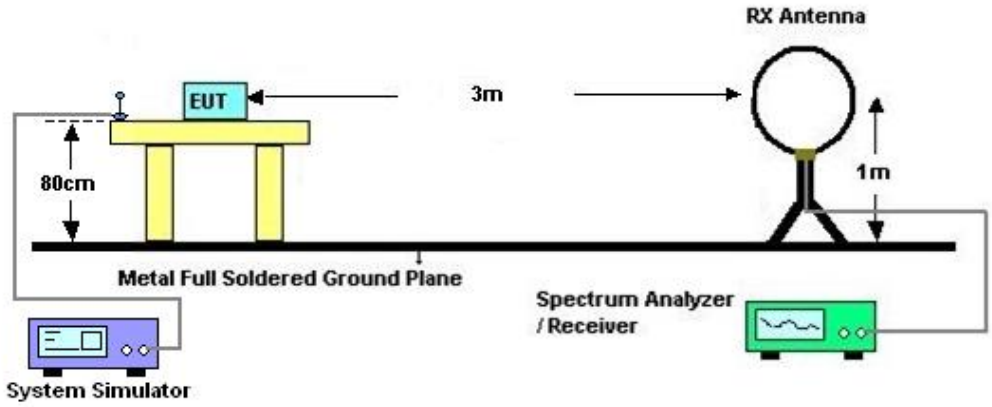
4 Radiated Test Items

4.1 Measuring Instruments

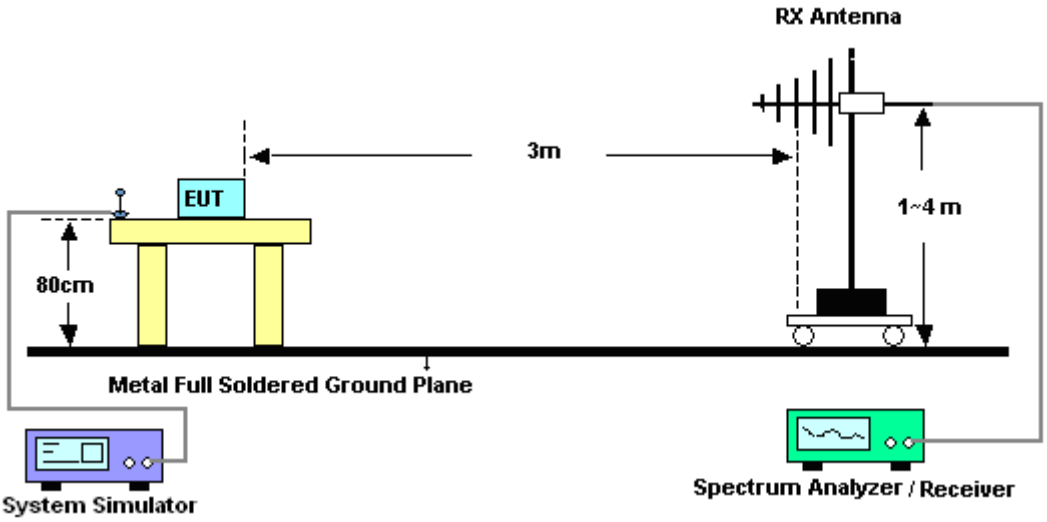
See list of measuring instruments of this test report.

4.2 Test Setup

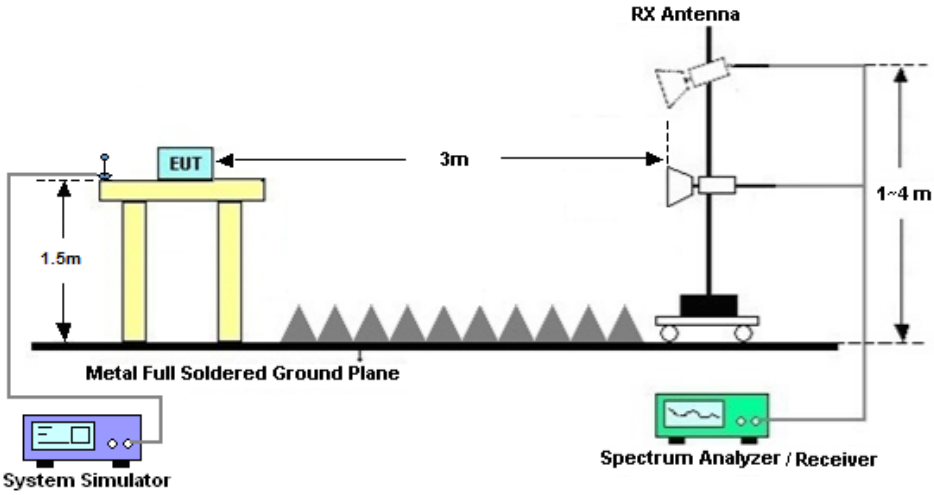
4.2.1 For radiated test below 30MHz



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. Band 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. For Band 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. 12, 2022	Oct. 27, 2022~ Nov. 13, 2022	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 25, 2022	Oct. 27, 2022~ Nov. 13, 2022	Aug. 24, 2023	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 15, 2022	Oct. 27, 2022~ Nov. 13, 2022	Jul. 14, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Oct. 29, 2022	Jul. 06, 2023	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Oct. 29, 2022	Jul. 27, 2024	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 19, 2022	Oct. 29, 2022	Oct.18, 2023	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	Oct. 29, 2022	Jul. 06, 2023	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 07, 2022	Oct. 29, 2022	Jul. 06, 2023	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Oct. 29, 2022	Apr. 09, 2023	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 19, 2022	Oct. 29, 2022	Oct.18, 2023	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022	Oct. 29, 2022	Oct.18, 2023	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Nov.10, 2022	Oct. 29, 2022	Nov.10, 2023	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Oct. 29, 2022	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Oct. 29, 2022	NCR	Radiation (03CH02-SZ)

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 Conducted Measurement

Test Item	Uncertainty
Conducted Power	±0.46 dB
Conducted Emissions	±0.48 dB
Occupied Channel Bandwidth	±0.1 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.72dB

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 38:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.23	23.26	23.18
20	QPSK	1	49	23.20	23.21	23.11
20	QPSK	1	99	23.11	23.15	23.08
20	QPSK	50	0	22.21	22.28	22.15
20	QPSK	50	24	22.21	22.23	22.12
20	QPSK	50	50	22.15	22.13	22.12
20	QPSK	100	0	22.19	22.26	22.16
20	16QAM	1	0	22.13	22.23	22.08
20	16QAM	1	49	22.17	22.14	22.05
20	16QAM	1	99	22.09	22.10	22.07
20	16QAM	50	0	21.22	21.30	21.18
20	16QAM	50	24	21.16	21.23	21.13
20	16QAM	50	50	21.11	21.09	21.12
20	16QAM	100	0	21.23	21.22	21.19
20	64QAM	1	0	21.10	21.26	21.10
20	64QAM	1	49	21.19	21.14	21.08
20	64QAM	1	99	21.13	21.10	21.04
20	64QAM	50	0	20.22	20.24	20.15
20	64QAM	50	24	20.22	20.25	20.14
20	64QAM	50	50	20.13	20.17	20.11
20	64QAM	100	0	20.15	20.22	20.19
20	256QAM	1	0	18.28	18.24	18.14
20	256QAM	1	49	18.08	18.24	18.07
20	256QAM	1	99	18.09	18.08	18.02
20	256QAM	50	0	18.26	18.20	18.23
20	256QAM	50	24	18.08	18.29	18.02
20	256QAM	50	50	18.16	18.14	18.07
20	256QAM	100	0	18.08	18.03	18.06
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.13	23.18	23.12
15	QPSK	1	37	23.12	23.11	23.07
15	QPSK	1	74	23.08	23.06	23.01
15	QPSK	36	0	22.20	22.25	22.06
15	QPSK	36	20	22.17	22.19	22.01
15	QPSK	36	39	22.06	22.07	22.06
15	QPSK	75	0	22.08	22.22	22.12
15	16QAM	1	0	22.11	22.19	22.07

15	16QAM	1	37	22.10	22.04	22.00
15	16QAM	1	74	22.05	22.01	21.99
15	16QAM	36	0	21.21	21.27	21.12
15	16QAM	36	20	21.13	21.19	21.04
15	16QAM	36	39	21.00	21.08	21.06
15	16QAM	75	0	21.21	21.13	21.17
15	64QAM	1	0	21.04	21.15	20.99
15	64QAM	1	37	21.09	21.07	20.99
15	64QAM	1	74	21.02	21.06	20.97
15	64QAM	36	0	20.15	20.15	20.06
15	64QAM	36	20	20.18	20.23	20.09
15	64QAM	36	39	20.09	20.11	20.08
15	64QAM	75	0	20.13	20.11	20.15
15	256QAM	1	0	18.19	18.25	18.11
15	256QAM	1	37	18.21	18.21	18.17
15	256QAM	1	74	18.12	18.15	18.09
15	256QAM	36	0	18.17	18.28	18.12
15	256QAM	36	20	18.09	18.34	18.14
15	256QAM	36	39	18.16	18.13	17.99
15	256QAM	75	0	18.03	18.11	18.07
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.15	23.22	23.14
10	QPSK	1	25	23.13	23.14	23.01
10	QPSK	1	49	23.04	23.09	23.02
10	QPSK	25	0	22.11	22.26	22.09
10	QPSK	25	12	22.19	22.15	22.03
10	QPSK	25	25	22.11	22.09	22.04
10	QPSK	50	0	22.13	22.21	22.14
10	16QAM	1	0	22.06	22.20	22.06
10	16QAM	1	25	22.08	22.12	21.95
10	16QAM	1	49	22.00	22.01	22.01
10	16QAM	25	0	21.18	21.21	21.07
10	16QAM	25	12	21.13	21.16	21.06
10	16QAM	25	25	21.06	21.05	21.04
10	16QAM	50	0	21.17	21.18	21.17
10	64QAM	1	0	21.00	21.21	21.00
10	64QAM	1	25	21.17	21.07	21.02
10	64QAM	1	49	21.06	21.06	20.94
10	64QAM	25	0	20.11	20.16	20.13
10	64QAM	25	12	20.20	20.24	20.05
10	64QAM	25	25	20.05	20.07	20.09
10	64QAM	50	0	20.05	20.19	20.10
10	256QAM	1	0	18.29	18.36	18.26
10	256QAM	1	25	18.11	18.16	18.21
10	256QAM	1	49	18.18	18.00	18.20
10	256QAM	25	0	18.14	18.13	18.17
10	256QAM	25	12	18.06	18.33	18.02
10	256QAM	25	25	18.29	18.22	18.10
10	256QAM	50	0	18.11	18.05	18.12

Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.20	23.19	23.11
5	QPSK	1	12	23.13	23.15	23.08
5	QPSK	1	24	23.07	23.13	22.97
5	QPSK	12	0	22.12	22.26	22.11
5	QPSK	12	7	22.11	22.22	22.06
5	QPSK	12	13	22.09	22.08	22.02
5	QPSK	25	0	22.08	22.24	22.10
5	16QAM	1	0	22.12	22.18	21.97
5	16QAM	1	12	22.09	22.09	22.00
5	16QAM	1	24	22.04	22.03	21.99
5	16QAM	12	0	21.13	21.24	21.12
5	16QAM	12	7	21.14	21.14	21.04
5	16QAM	12	13	21.08	21.08	21.02
5	16QAM	25	0	21.20	21.17	21.15
5	64QAM	1	0	21.07	21.16	21.03
5	64QAM	1	12	21.14	21.06	20.99
5	64QAM	1	24	21.08	21.09	20.97
5	64QAM	12	0	20.21	20.19	20.12
5	64QAM	12	7	20.12	20.21	20.08
5	64QAM	12	13	20.07	20.13	20.09
5	64QAM	25	0	20.09	20.17	20.10
5	256QAM	1	0	18.15	18.33	18.24
5	256QAM	1	12	18.15	18.29	18.22
5	256QAM	1	24	18.09	18.04	18.11
5	256QAM	12	0	18.21	18.25	18.29
5	256QAM	12	7	18.04	18.26	18.12
5	256QAM	12	13	18.20	18.19	17.99
5	256QAM	25	0	18.11	18.06	17.97

LTE Band 41：

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	25.47	25.53	25.49
20	QPSK	1	49	25.41	25.48	25.39
20	QPSK	1	99	25.38	25.46	25.39
20	QPSK	50	0	24.40	24.48	24.41
20	QPSK	50	24	24.31	24.39	24.29
20	QPSK	50	50	24.28	24.38	24.33
20	QPSK	100	0	24.38	24.42	24.35
20	16QAM	1	0	24.50	24.59	24.50
20	16QAM	1	49	24.47	24.53	24.46
20	16QAM	1	99	24.47	24.55	24.50
20	16QAM	50	0	23.50	23.54	23.50
20	16QAM	50	24	23.39	23.45	23.37
20	16QAM	50	50	23.43	23.49	23.44
20	16QAM	100	0	23.45	23.49	23.44
20	64QAM	1	0	23.51	23.56	23.47
20	64QAM	1	49	23.39	23.47	23.37
20	64QAM	1	99	23.41	23.46	23.39
20	64QAM	50	0	22.48	22.57	22.52
20	64QAM	50	24	22.43	22.49	22.42
20	64QAM	50	50	22.40	22.48	22.41
20	64QAM	100	0	22.45	22.51	22.46
20	256QAM	1	0	20.42	20.49	20.45
20	256QAM	1	49	20.45	20.50	20.45
20	256QAM	1	99	20.41	20.47	20.39
20	256QAM	50	0	20.46	20.55	20.47
20	256QAM	50	24	20.37	20.46	20.40
20	256QAM	50	50	20.41	20.49	20.42
20	256QAM	100	0	20.38	20.48	20.41
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	25.39	25.46	25.41
15	QPSK	1	37	25.37	25.39	25.34
15	QPSK	1	74	25.33	25.37	25.32
15	QPSK	36	0	24.35	24.42	24.36
15	QPSK	36	20	24.25	24.33	24.24
15	QPSK	36	39	24.21	24.30	24.25
15	QPSK	75	0	24.29	24.37	24.27
15	16QAM	1	0	24.44	24.53	24.46
15	16QAM	1	37	24.42	24.47	24.41
15	16QAM	1	74	24.38	24.47	24.43
15	16QAM	36	0	23.46	23.49	23.45
15	16QAM	36	20	23.32	23.35	23.29
15	16QAM	36	39	23.38	23.39	23.35
15	16QAM	75	0	23.39	23.45	23.37

15	64QAM	1	0	23.43	23.52	23.38
15	64QAM	1	37	23.30	23.42	23.29
15	64QAM	1	74	23.35	23.37	23.29
15	64QAM	36	0	22.40	22.49	22.46
15	64QAM	36	20	22.39	22.45	22.34
15	64QAM	36	39	22.32	22.40	22.32
15	64QAM	75	0	22.38	22.47	22.41
15	256QAM	1	0	20.37	20.43	20.38
15	256QAM	1	37	20.35	20.40	20.40
15	256QAM	1	74	20.35	20.41	20.34
15	256QAM	36	0	20.37	20.46	20.38
15	256QAM	36	20	20.31	20.39	20.32
15	256QAM	36	39	20.35	20.45	20.36
15	256QAM	75	0	20.30	20.39	20.34
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	25.41	25.46	25.39
10	QPSK	1	25	25.33	25.41	25.29
10	QPSK	1	49	25.31	25.39	25.32
10	QPSK	25	0	24.34	24.42	24.33
10	QPSK	25	12	24.23	24.33	24.23
10	QPSK	25	25	24.18	24.30	24.26
10	QPSK	50	0	24.31	24.38	24.31
10	16QAM	1	0	24.43	24.49	24.44
10	16QAM	1	25	24.41	24.45	24.41
10	16QAM	1	49	24.41	24.50	24.46
10	16QAM	25	0	23.45	23.46	23.42
10	16QAM	25	12	23.34	23.37	23.31
10	16QAM	25	25	23.35	23.44	23.40
10	16QAM	50	0	23.40	23.43	23.37
10	64QAM	1	0	23.46	23.48	23.39
10	64QAM	1	25	23.35	23.41	23.33
10	64QAM	1	49	23.31	23.40	23.34
10	64QAM	25	0	22.41	22.49	22.45
10	64QAM	25	12	22.38	22.41	22.38
10	64QAM	25	25	22.34	22.40	22.31
10	64QAM	50	0	22.35	22.41	22.42
10	256QAM	1	0	20.37	20.41	20.36
10	256QAM	1	25	20.36	20.45	20.37
10	256QAM	1	49	20.34	20.39	20.35
10	256QAM	25	0	20.36	20.46	20.39
10	256QAM	25	12	20.31	20.41	20.34
10	256QAM	25	25	20.35	20.39	20.33
10	256QAM	50	0	20.29	20.41	20.31
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	25.38	25.49	25.42
5	QPSK	1	12	25.34	25.41	25.29
5	QPSK	1	24	25.30	25.41	25.35
5	QPSK	12	0	24.33	24.41	24.31

5	QPSK	12	7	24.26	24.35	24.20
5	QPSK	12	13	24.20	24.30	24.23
5	QPSK	25	0	24.33	24.35	24.30
5	16QAM	1	0	24.41	24.51	24.41
5	16QAM	1	12	24.42	24.49	24.42
5	16QAM	1	24	24.43	24.48	24.42
5	16QAM	12	0	23.42	23.46	23.44
5	16QAM	12	7	23.30	23.38	23.29
5	16QAM	12	13	23.36	23.42	23.38
5	16QAM	25	0	23.40	23.45	23.38
5	64QAM	1	0	23.47	23.51	23.37
5	64QAM	1	12	23.31	23.42	23.31
5	64QAM	1	24	23.32	23.39	23.29
5	64QAM	12	0	22.41	22.50	22.45
5	64QAM	12	7	22.37	22.40	22.37
5	64QAM	12	13	22.33	22.42	22.34
5	64QAM	25	0	22.37	22.44	22.37
5	256QAM	1	0	20.33	20.40	20.38
5	256QAM	1	12	20.39	20.40	20.40
5	256QAM	1	24	20.35	20.39	20.33
5	256QAM	12	0	20.36	20.47	20.42
5	256QAM	12	7	20.30	20.42	20.31
5	256QAM	12	13	20.35	20.40	20.35
5	256QAM	25	0	20.34	20.41	20.36

CA Power and EIRP

LTE Band 41 CA:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	for EMC Power Middle Ch. / Freq.	Power High Ch. / Freq.	Gain	EIRP	EIRP	EIRP
Channel				L	M	H		L	M	H
20+20	QPSK	1RB01RBMAX		19.50	19.18	19.19	-2.60	0.0490	0.0455	0.0456
	QPSK	1RBMAX1RB0		26.65	26.41	26.23	-2.60	0.2541	0.2404	0.2307
	QPSK	FULL		17.82	25.74	23.20	-2.60	0.0333	0.2061	0.1148
	16QAM	1RBMAX1RB0		26.29	26.17	25.67	-2.60	0.2339	0.2275	0.2028
	64QAM	1RBMAX1RB0		25.12	25.23	25.15	-2.60	0.1786	0.1832	0.1799
	256QAM	1RBMAX1RB0		22.75	22.64	22.44	-2.60	0.1035	0.1009	0.0964
20+15	QPSK	1RB01RBMAX		19.43	19.20	19.19	-2.60	0.0482	0.0457	0.0456
	QPSK	1RBMAX1RB0		26.32	26.48	26.22	-2.60	0.2355	0.2443	0.2301
	QPSK	FULL		17.97	25.75	25.64	-2.60	0.0344	0.2065	0.2014
	16QAM	1RBMAX1RB0		26.06	26.24	26.01	-2.60	0.2218	0.2312	0.2193
	64QAM	1RBMAX1RB0		25.06	25.19	24.37	-2.60	0.1762	0.1816	0.1503
	256QAM	1RBMAX1RB0		22.63	22.61	22.38	-2.60	0.1007	0.1002	0.0951
20+10	QPSK	1RB01RBMAX		19.38	19.33	19.12	-2.60	0.0476	0.0471	0.0449
	QPSK	1RBMAX1RB0		26.56	26.53	26.30	-2.60	0.2489	0.2472	0.2344
	QPSK	FULL		17.92	25.81	25.63	-2.60	0.0340	0.2094	0.2009
	16QAM	1RBMAX1RB0		26.22	26.05	25.99	-2.60	0.2301	0.2213	0.2183
	64QAM	1RBMAX1RB0		25.07	25.23	24.47	-2.60	0.1766	0.1832	0.1538
	256QAM	1RBMAX1RB0		22.76	22.73	22.52	-2.60	0.1038	0.1030	0.0982
20+5	QPSK	1RB01RBMAX		13.28	19.35	12.83	-2.60	0.0117	0.0473	0.0105
	QPSK	1RBMAX1RB0		13.11	26.52	12.76	-2.60	0.0112	0.2466	0.0104
	QPSK	FULL		17.91	25.73	25.62	-2.60	0.0340	0.2056	0.2004
	16QAM	1RBMAX1RB0		11.01	26.18	10.85	-2.60	0.0069	0.2280	0.0067
	64QAM	1RBMAX1RB0		8.59	25.03	8.54	-2.60	0.0040	0.1750	0.0039
	256QAM	1RBMAX1RB0		7.05	22.49	6.78	-2.60	0.0028	0.0975	0.0026
15+20	QPSK	1RB01RBMAX		19.29	19.25	19.13	-2.60	0.0467	0.0462	0.0450
	QPSK	1RBMAX1RB0		26.35	26.33	26.21	-2.60	0.2371	0.2360	0.2296
	QPSK	FULL		17.81	25.61	25.57	-2.60	0.0332	0.2000	0.1982
	16QAM	1RBMAX1RB0		26.16	26.12	25.82	-2.60	0.2270	0.2249	0.2099
	64QAM	1RBMAX1RB0		25.04	25.20	24.41	-2.60	0.1754	0.1820	0.1517
	256QAM	1RBMAX1RB0		22.61	22.61	22.30	-2.60	0.1002	0.1002	0.0933
15+15	QPSK	1RB01RBMAX		19.30	19.23	19.14	-2.60	0.0468	0.0460	0.0451
	QPSK	1RBMAX1RB0		26.52	26.38	26.07	-2.60	0.2466	0.2388	0.2223
	QPSK	FULL		17.78	25.73	17.58	-2.60	0.0330	0.2056	0.0315
	16QAM	1RBMAX1RB0		26.32	26.19	25.79	-2.60	0.2355	0.2286	0.2084
	64QAM	1RBMAX1RB0		25.21	25.27	24.46	-2.60	0.1824	0.1849	0.1535
	256QAM	1RBMAX1RB0		22.62	22.66	22.90	-2.60	0.1005	0.1014	0.1072
15+10	QPSK	1RB01RBMAX		19.11	19.28	12.80	-2.60	0.0448	0.0466	0.0105
	QPSK	1RBMAX1RB0		26.31	26.47	12.66	-2.60	0.2350	0.2438	0.0101
	QPSK	FULL		17.92	25.81	25.58	-2.60	0.0340	0.2094	0.1986
	16QAM	1RBMAX1RB0		26.23	26.19	10.83	-2.60	0.2307	0.2286	0.0067
	64QAM	1RBMAX1RB0		25.31	25.48	8.72	-2.60	0.1866	0.1941	0.0041

	256QAM	1RBMAX1RB0	22.51	22.68	6.81	-2.60	0.0979	0.1019	0.0026
10+20	QPSK	1RB01RBMAX	19.57	19.42	19.24	-2.60	0.0498	0.0481	0.0461
	QPSK	1RBMAX1RB0	26.42	26.34	26.38	-2.60	0.2410	0.2366	0.2388
	QPSK	FULL	18.04	25.90	25.75	-2.60	0.0350	0.2138	0.2065
	16QAM	1RBMAX1RB0	26.24	26.17	26.02	-2.60	0.2312	0.2275	0.2198
	64QAM	1RBMAX1RB0	25.63	25.75	24.91	-2.60	0.2009	0.2065	0.1702
	256QAM	1RBMAX1RB0	22.82	22.75	22.61	-2.60	0.1052	0.1035	0.1002
10+15	QPSK	1RB01RBMAX	19.48	19.24	15.53	-2.60	0.0488	0.0461	0.0196
	QPSK	1RBMAX1RB0	26.59	26.49	15.45	-2.60	0.2506	0.2449	0.0193
	QPSK	FULL	17.93	25.76	25.48	-2.60	0.0341	0.2070	0.1941
	16QAM	1RBMAX1RB0	26.18	26.08	13.92	-2.60	0.2280	0.2228	0.0136
	64QAM	1RBMAX1RB0	25.61	25.66	11.55	-2.60	0.2000	0.2023	0.0079
	256QAM	1RBMAX1RB0	22.84	22.67	9.72	-2.60	0.1057	0.1016	0.0052
5+20	QPSK	1RB01RBMAX	19.39	19.28	12.70	-2.60	0.0478	0.0466	0.0102
	QPSK	1RBMAX1RB0	26.38	26.41	12.68	-2.60	0.2388	0.2404	0.0102
	QPSK	FULL	17.92	25.84	25.47	-2.60	0.0340	0.2109	0.1936
	16QAM	1RBMAX1RB0	26.14	26.19	10.85	-2.60	0.2259	0.2286	0.0067
	64QAM	1RBMAX1RB0	25.63	25.91	8.63	-2.60	0.2009	0.2143	0.0040
	256QAM	1RBMAX1RB0	22.75	22.65	6.78	-2.60	0.1035	0.1012	0.0026

EIRP

LTE Band 38 (GT - LC = -2.6dB) QPSK			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
Conducted Power (dBm)	23.20	23.19	23.11
Conducted Power (Watts)	0.2089	0.2084	0.2046
EIRP(dBm)	20.60	20.59	20.51
EIRP(Watts)	0.1148	0.1146	0.1125

LTE Band 38 (GT - LC = -2.6 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
Conducted Power (dBm)	23.15	23.22	23.14	23.13	23.18	23.12	23.23	23.26	23.18
Conducted Power (Watts)	0.2065	0.2099	0.2061	0.2056	0.2080	0.2051	0.2104	0.2118	0.2080
EIRP(dBm)	20.55	20.62	20.54	20.53	20.58	20.52	20.63	20.66	20.58
EIRP(Watts)	0.1135	0.1153	0.1132	0.1130	0.1143	0.1127	0.1156	0.1164	0.1143

LTE Band 38 (GT - LC = -2.6 dB) 16QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
Conducted Power (dBm)	22.12	22.18	21.97
Conducted Power (Watts)	0.1629	0.1652	0.1574
EIRP(dBm)	19.52	19.58	19.37
EIRP(Watts)	0.0895	0.0908	0.0865

LTE Band 38 (GT - LC = -2.6 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
Conducted Power (dBm)	22.06	22.20	22.06	22.11	22.19	22.07	22.13	22.23	22.08
Conducted Power (Watts)	0.1607	0.1660	0.1607	0.1626	0.1656	0.1611	0.1633	0.1671	0.1614
EIRP(dBm)	19.46	19.60	19.46	19.51	19.59	19.47	19.53	19.63	19.48
EIRP(Watts)	0.0883	0.0912	0.0883	0.0893	0.0910	0.0885	0.0897	0.0918	0.0887

LTE Band 38 (GT - LC = -2.6 dB) 64QAM			
Bandwidth	**5M**		
Channel	**37775**	**38000**	**38225**
	(Low)	**(Mid)**	**(High)**
Frequency (MHz)	**2572.5**	**2595**	**2617.5**
Conducted Power (dBm)	21.07	21.16	21.03
Conducted Power (Watts)	0.1279	0.1306	0.1268
EIRP(dBm)	18.47	18.56	18.43
EIRP(Watts)	0.0703	0.0718	0.0697

LTE Band 38 (GT - LC = -2.6 dB) 64QAM									
Bandwidth	**10M**			**15M**			**20M**		
Channel	**37800**	**38000**	**38200**	**37825**	**38000**	**38175**	**37850**	**38000**	**38150**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(Mid)**
Frequency (MHz)	**2575**	**2595**	**2615**	**2577.5**	**2595**	**2612.5**	**2580**	**2595**	**2610**
Conducted Power (dBm)	21.00	21.21	21.00	21.04	21.15	20.99	21.10	21.26	21.10
Conducted Power (Watts)	0.1259	0.1321	0.1259	0.1271	0.1303	0.1256	0.1288	0.1337	0.1288
EIRP(dBm)	18.40	18.61	18.40	18.44	18.55	18.39	18.50	18.66	18.50
EIRP(Watts)	0.0692	0.0726	0.0692	0.0698	0.0716	0.0690	0.0708	0.0735	0.0708

LTE Band 38 (GT - LC = -2.6dB) 256QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
Conducted Power (dBm)	18.15	18.33	18.24
Conducted Power (Watts)	0.0653	0.0681	0.0667
EIRP(dBm)	15.55	15.73	15.64
EIRP(Watts)	0.0359	0.0374	0.0366

LTE Band 38 (GT - LC = -2.6 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
Conducted Power (dBm)	18.29	18.36	18.26	18.09	18.34	18.14	18.08	18.29	18.02
Conducted Power (Watts)	0.0675	0.0685	0.0670	0.0644	0.0682	0.0652	0.0643	0.0675	0.0634
EIRP(dBm)	15.69	15.76	15.66	15.49	15.74	15.54	15.48	15.69	15.42
EIRP(Watts)	0.0371	0.0377	0.0368	0.0354	0.0375	0.0358	0.0353	0.0371	0.0348

LTE Band 41 (G_T - L_C = -2.6dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	25.38	25.49	25.42	25.41	25.46	25.39	25.39	25.46	25.41
Conducted Power (Watts)	0.3451	0.3540	0.3483	0.3475	0.3516	0.3459	0.3459	0.3516	0.3475
EIRP(dBm)	22.78	22.89	22.82	22.81	22.86	22.79	22.79	22.86	22.81
EIRP(Watts)	0.1897	0.1945	0.1914	0.1910	0.1932	0.1901	0.1901	0.1932	0.1910

LTE Band 41 (G_T - L_C = -2.6dB) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	25.47	25.53	25.49
Conducted Power (Watts)	0.3524	0.3573	0.3540
EIRP(dBm)	22.87	22.93	22.89
EIRP(Watts)	0.1936	0.1963	0.1945

LTE Band 41 (G_T - L_C =-2.6dB) 16QAM									
Bandwidth	**5M**			**10M**			**15M**		
Channel	**39675**	**40620**	**41565**	**39700**	**40620**	**41540**	**39725**	**40620**	**41515**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Frequency (MHz)	**2498.5**	**2593**	**2687.5**	**2501**	**2593**	**2685**	**2503.5**	**2593**	**2682.5**
Conducted Power (dBm)	24.41	24.51	24.41	24.41	24.50	24.46	24.44	24.53	24.46
Conducted Power (Watts)	0.2761	0.2825	0.2761	0.2761	0.2818	0.2793	0.2780	0.2838	0.2793
EIRP(dBm)	21.81	21.91	21.81	21.81	21.90	21.86	21.84	21.93	21.86
EIRP(Watts)	0.1517	0.1552	0.1517	0.1517	0.1549	0.1535	0.1528	0.1560	0.1535

LTE Band 41 (G_T - L_C = -2.6dB) 16QAM			
Bandwidth	**20M**		
Channel	**39750**	**40620**	**41490**
	(Low)	**(Mid)**	**(High)**
Frequency (MHz)	**2506**	**2593**	**2680**
Conducted Power (dBm)	24.50	24.59	24.50
Conducted Power (Watts)	0.2818	0.2877	0.2818
EIRP(dBm)	21.90	21.99	21.90
EIRP(Watts)	0.1549	0.1581	0.1549

LTE Band 41 (G_T - L_C =-2.6dB) 64QAM									
Bandwidth	**5M**			**10M**			**15M**		
Channel	**39675**	**40620**	**41565**	**39700**	**40620**	**41540**	**39725**	**40620**	**41515**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Frequency (MHz)	**2498.5**	**2593**	**2687.5**	**2501**	**2593**	**2685**	**2503.5**	**2593**	**2682.5**
Conducted Power (dBm)	23.47	23.51	23.37	23.46	23.48	23.39	23.43	23.52	23.38
Conducted Power (Watts)	0.2223	0.2244	0.2173	0.2218	0.2228	0.2183	0.2203	0.2249	0.2178
EIRP(dBm)	20.87	20.91	20.77	20.86	20.88	20.79	20.83	20.92	20.78
EIRP(Watts)	0.1222	0.1233	0.1194	0.1219	0.1225	0.1199	0.1211	0.1236	0.1197

LTE Band 41 (G_T - L_C = -2.6dB) 64QAM			
Bandwidth	**20M**		
Channel	**39750**	**40620**	**41490**
	(Low)	**(Mid)**	**(High)**
Frequency (MHz)	**2506**	**2593**	**2680**
Conducted Power (dBm)	23.51	23.56	23.47
Conducted Power (Watts)	0.2244	0.2270	0.2223
EIRP(dBm)	20.91	20.96	20.87
EIRP(Watts)	0.1233	0.1247	0.1222

LTE Band 41 (G_T - L_C =-2.6dB) 256QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	20.36	20.47	20.42	20.36	20.46	20.39	20.37	20.46	20.38
Conducted Power (Watts)	0.1086	0.1114	0.1102	0.1086	0.1112	0.1094	0.1089	0.1112	0.1091
EIRP(dBm)	17.76	17.87	17.82	17.76	17.86	17.79	17.77	17.86	17.78
EIRP(Watts)	0.0597	0.0612	0.0605	0.0597	0.0611	0.0601	0.0598	0.0611	0.0600

LTE Band 41 (G_T - L_C = -2.6dB) 256QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	20.46	20.55	20.47
Conducted Power (Watts)	0.1112	0.1135	0.1114
EIRP(dBm)	17.86	17.95	17.87
EIRP(Watts)	0.0611	0.0624	0.0612

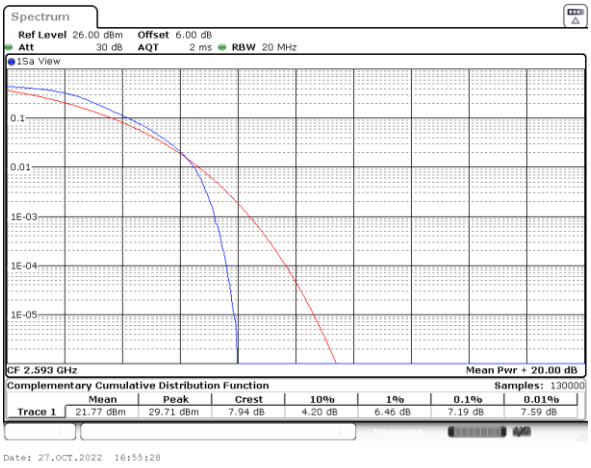
LTE Band 41

Peak-to-Average Ratio

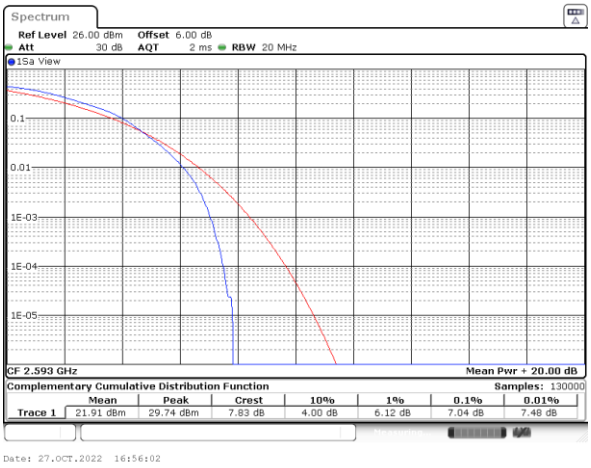
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.19	7.04	7.62	7.59	PASS

LTE Band 41 / 20MHz

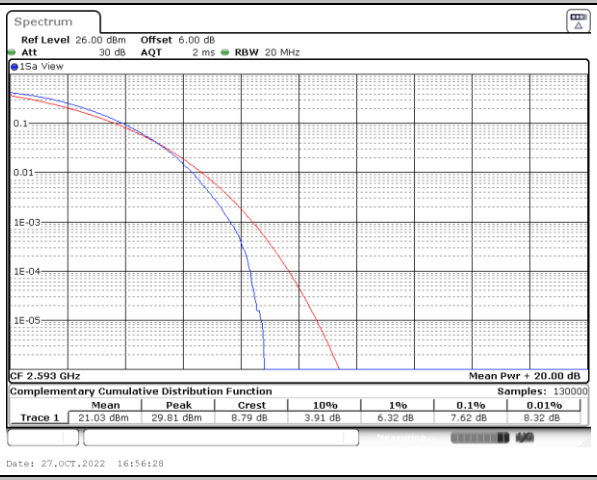
Middle Channel / Full RB / QPSK



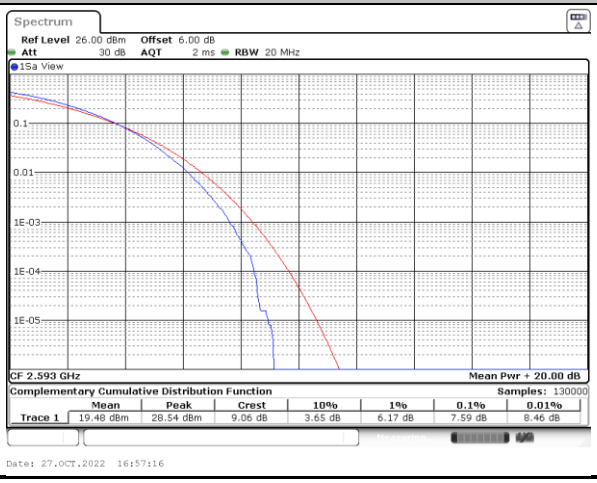
Middle Channel / Full RB / 16QAM



Middle Channel / Full RB / 64QAM



Middle Channel / Full RB / 256QAM

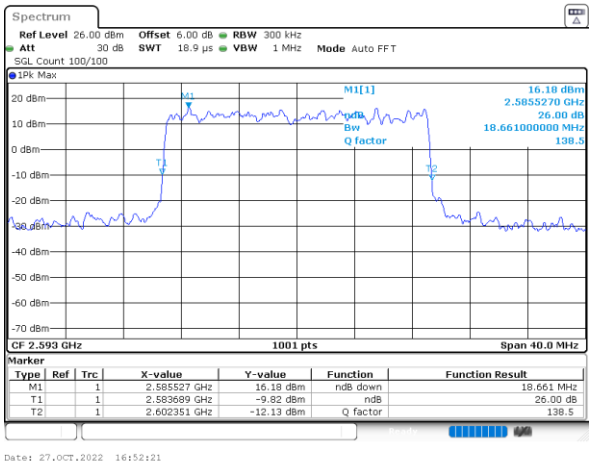


26dB Bandwidth

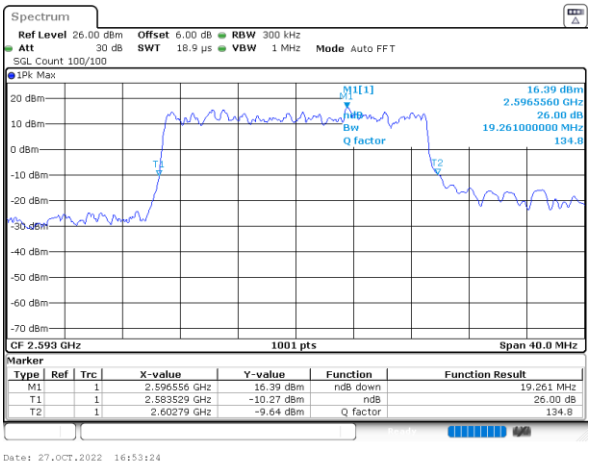
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.66	19.26

LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

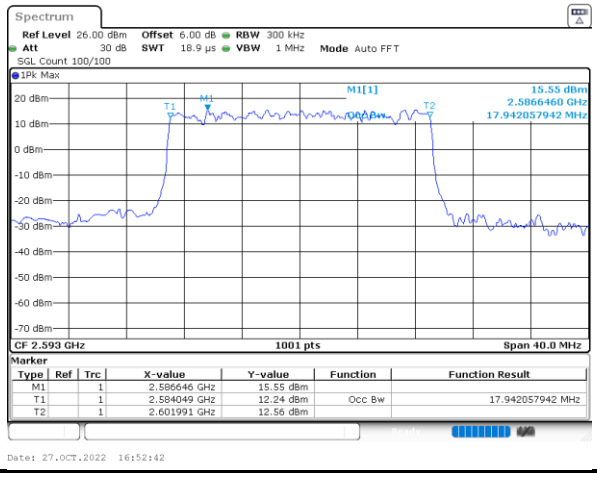


Occupied Bandwidth

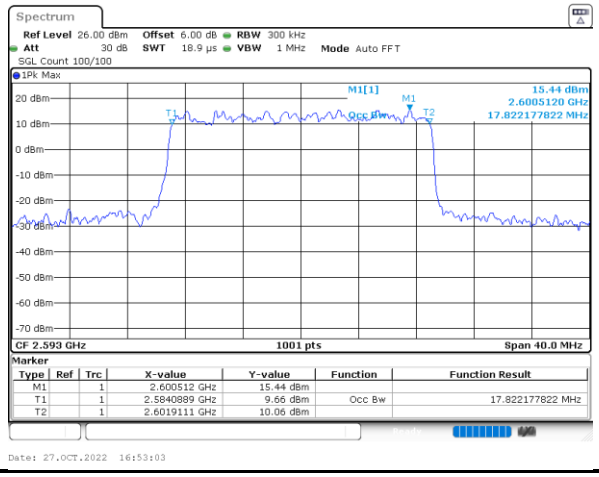
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.82

LTE Band 41

Middle Channel / 20MHz / QPSK



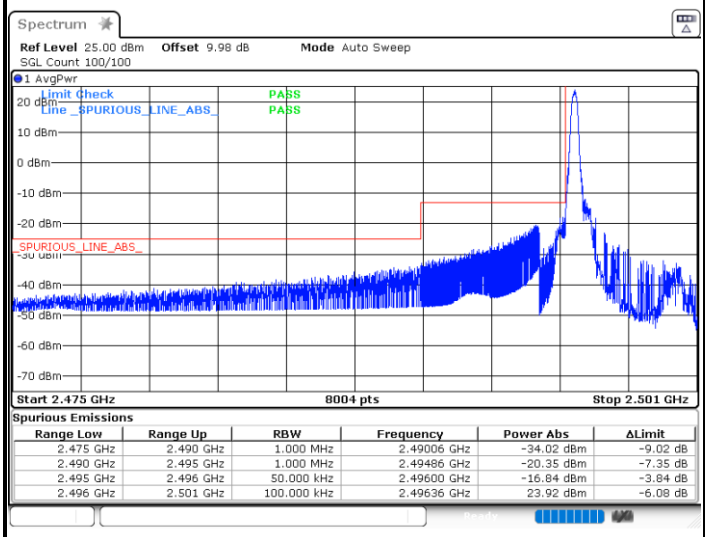
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB

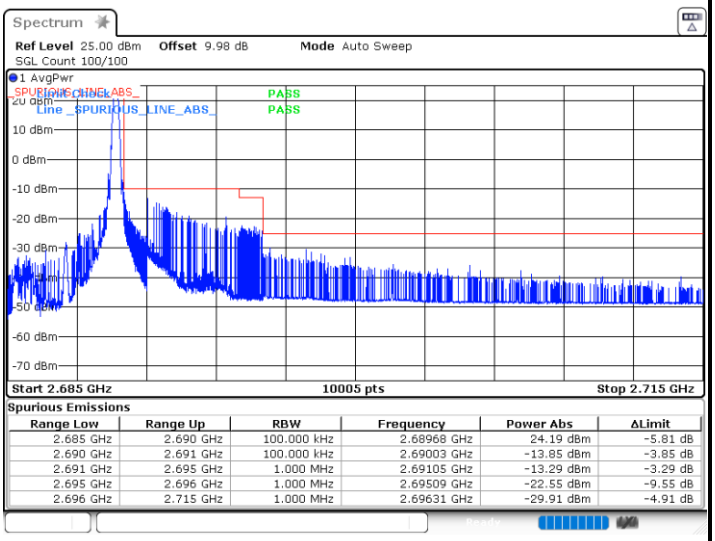


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49006 GHz	-34.02 dBm	-9.02 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49486 GHz	-20.35 dBm	-7.35 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-16.84 dBm	-3.84 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49636 GHz	23.92 dBm	-6.08 dB

Date: 27.OCT.2022 14:58:47

Highest Band Edge / 1 RB

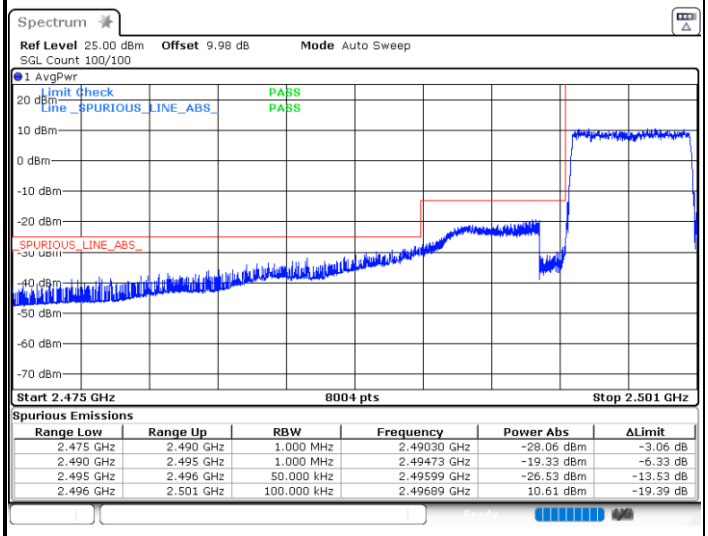


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68968 GHz	24.19 dBm	-5.81 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69003 GHz	-13.85 dBm	-3.85 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-13.29 dBm	-3.29 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69509 GHz	-22.55 dBm	-9.55 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69631 GHz	-29.91 dBm	-4.91 dB

Date: 27.OCT.2022 15:13:18

Lowest Band Edge / Full RB

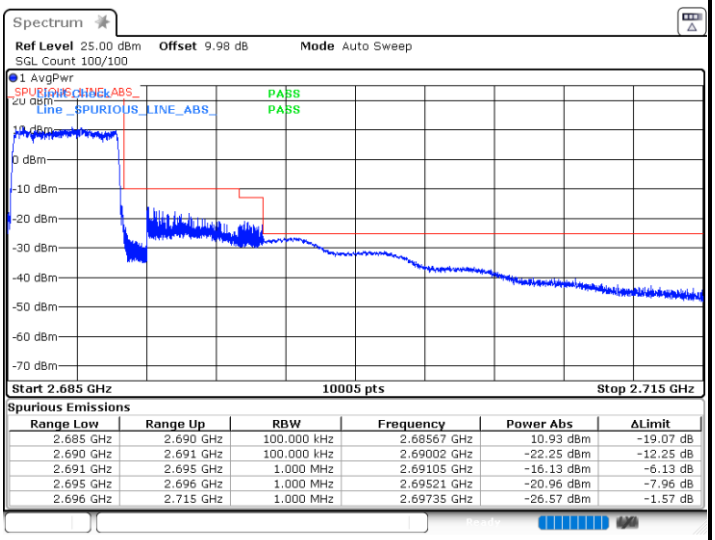


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49030 GHz	-28.06 dBm	-3.06 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49473 GHz	-19.33 dBm	-6.33 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-26.53 dBm	-13.53 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49689 GHz	10.61 dBm	-19.39 dB

Date: 27.OCT.2022 15:09:38

Highest Band Edge / Full RB



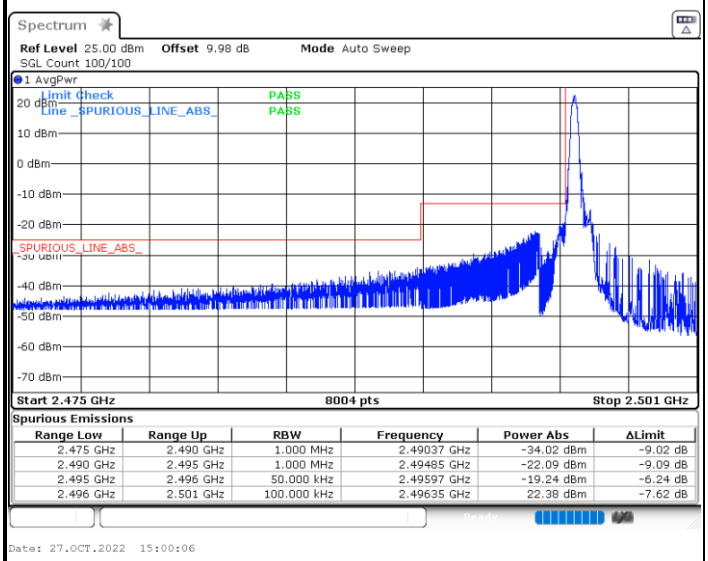
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68567 GHz	10.93 dBm	-19.07 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69002 GHz	-22.25 dBm	-12.25 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-16.13 dBm	-6.13 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69521 GHz	-20.96 dBm	-7.96 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69735 GHz	-26.57 dBm	-1.57 dB

Date: 27.OCT.2022 15:20:24

LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

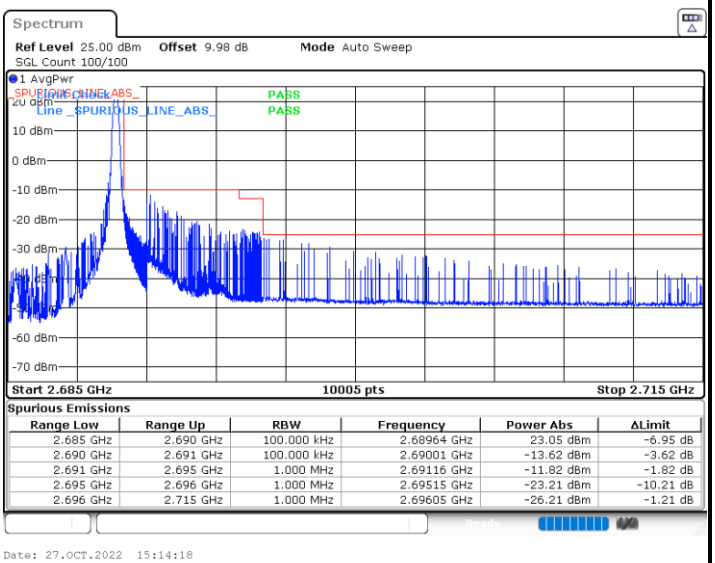


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-34.02 dBm	-9.02 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49485 GHz	-22.09 dBm	-9.09 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49597 GHz	-19.24 dBm	-6.24 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49635 GHz	22.38 dBm	-7.62 dB

Date: 27.OCT.2022 15:00:06

Highest Band Edge / 1 RB

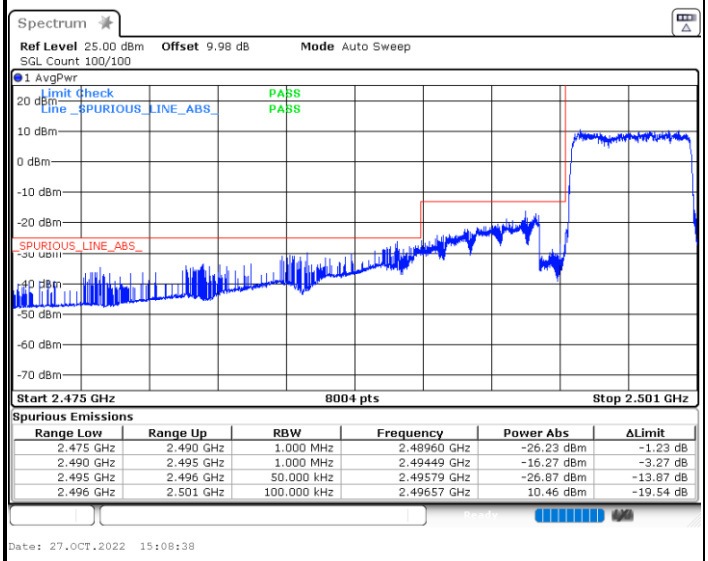


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68964 GHz	23.05 dBm	-6.95 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-13.62 dBm	-3.62 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69116 GHz	-11.82 dBm	-1.82 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69515 GHz	-23.21 dBm	-10.21 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69605 GHz	-26.21 dBm	-1.21 dB

Date: 27.OCT.2022 15:14:18

Lowest Band Edge / Full RB

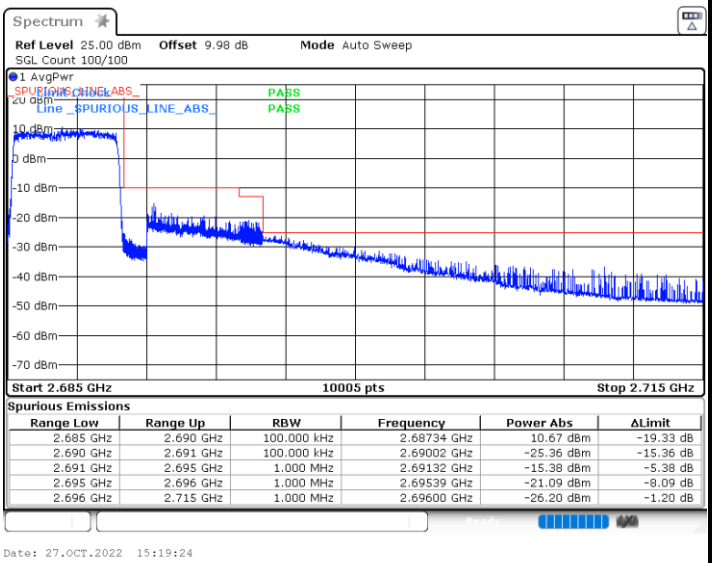


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48960 GHz	-26.23 dBm	-1.23 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49449 GHz	-16.27 dBm	-3.27 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49579 GHz	-26.87 dBm	-13.87 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49657 GHz	10.46 dBm	-19.54 dB

Date: 27.OCT.2022 15:08:38

Highest Band Edge / Full RB



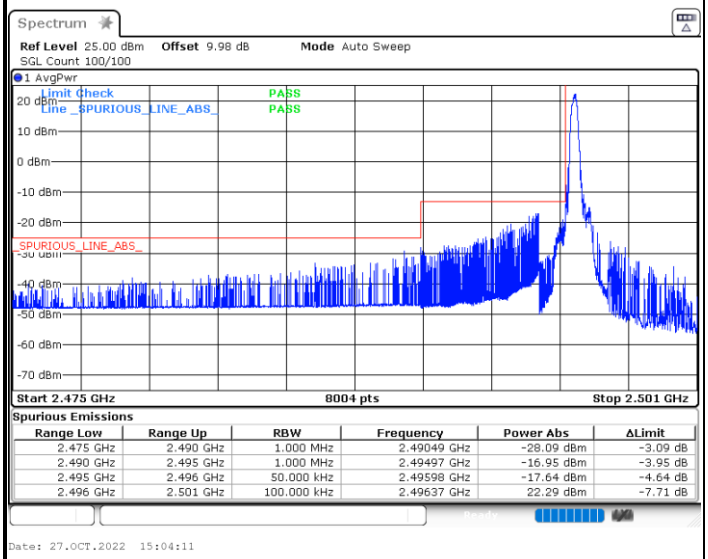
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68734 GHz	10.67 dBm	-19.33 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69002 GHz	-25.36 dBm	-15.36 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69132 GHz	-15.38 dBm	-5.38 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69539 GHz	-21.09 dBm	-8.09 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69600 GHz	-26.20 dBm	-1.20 dB

Date: 27.OCT.2022 15:19:24

LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB

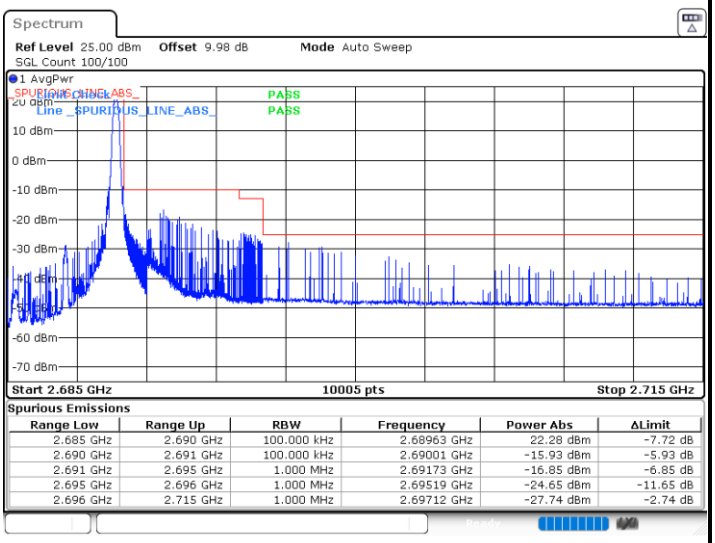


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49049 GHz	-28.09 dBm	-3.09 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-16.95 dBm	-3.95 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49598 GHz	-17.64 dBm	-4.64 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49637 GHz	22.29 dBm	-7.71 dB

Date: 27.OCT.2022 15:04:11

Highest Band Edge / 1 RB

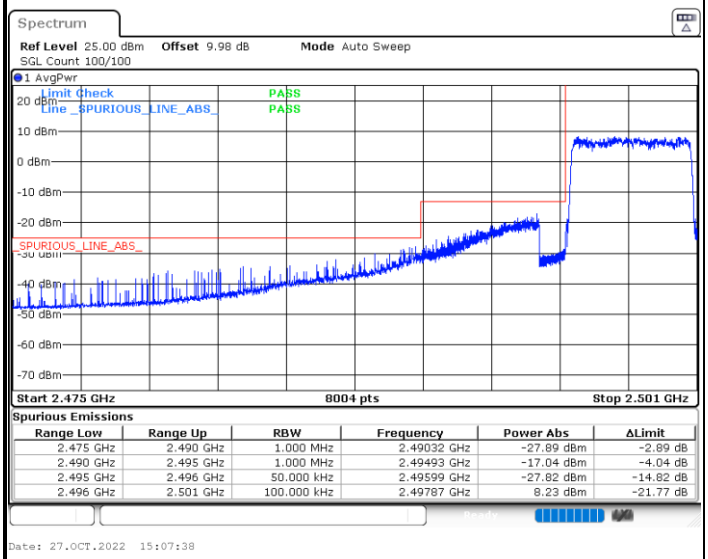


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68963 GHz	22.28 dBm	-7.72 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-15.93 dBm	-5.93 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69173 GHz	-16.85 dBm	-6.85 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69519 GHz	-24.65 dBm	-11.65 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69712 GHz	-27.74 dBm	-2.74 dB

Date: 27.OCT.2022 15:15:18

Lowest Band Edge / Full RB

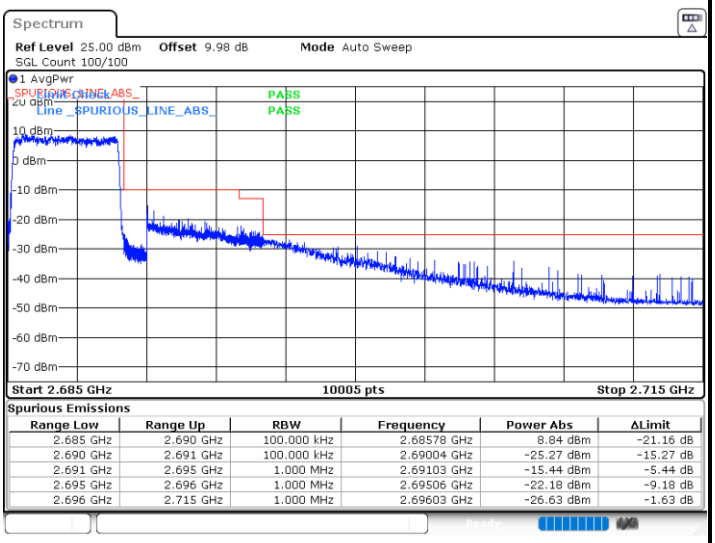


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49032 GHz	-27.89 dBm	-2.89 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-17.04 dBm	-4.04 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-27.82 dBm	-14.82 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49787 GHz	8.23 dBm	-21.77 dB

Date: 27.OCT.2022 15:07:38

Highest Band Edge / Full RB



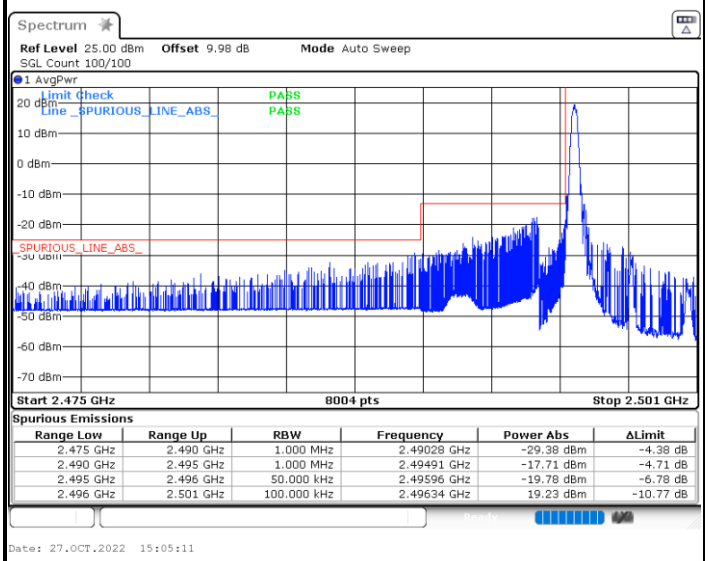
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68578 GHz	8.84 dBm	-21.16 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69004 GHz	-25.27 dBm	-15.27 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-15.44 dBm	-5.44 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69506 GHz	-22.18 dBm	-9.18 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69603 GHz	-26.63 dBm	-1.63 dB

Date: 27.OCT.2022 15:18:24

LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB

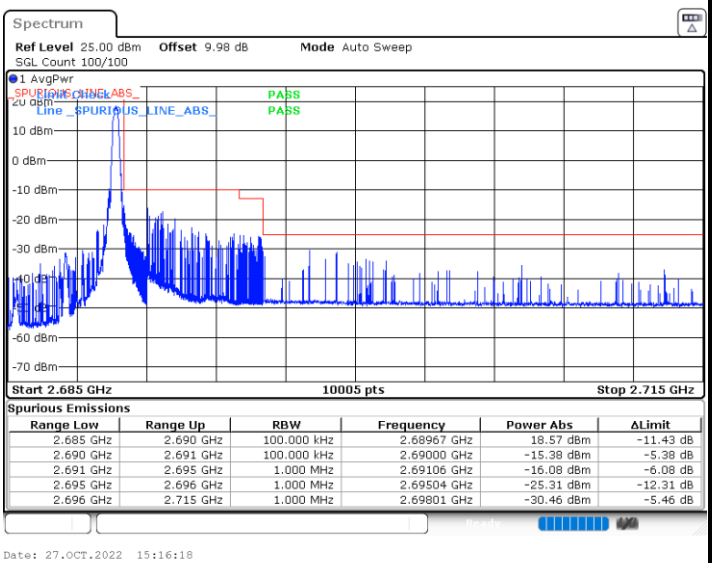


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-29.38 dBm	-4.38 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-17.71 dBm	-4.71 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49596 GHz	-19.78 dBm	-6.78 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49634 GHz	19.23 dBm	-10.77 dB

Date: 27.OCT.2022 15:05:11

Highest Band Edge / 1 RB

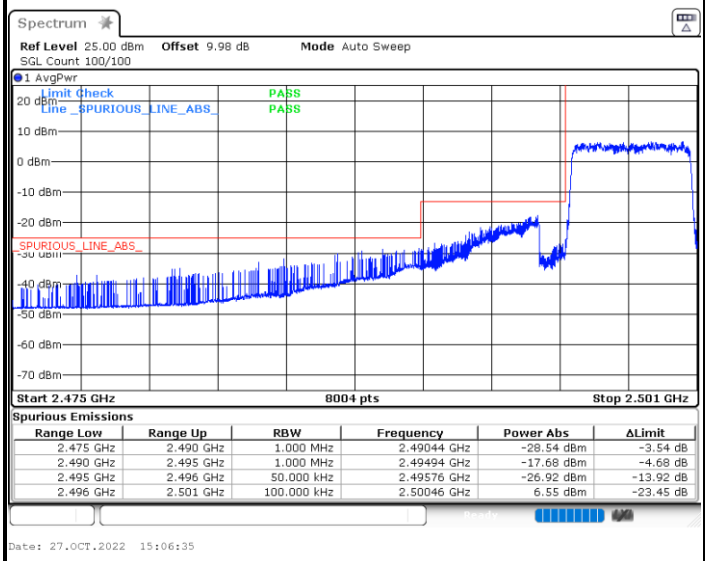


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68967 GHz	18.57 dBm	-11.43 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-15.38 dBm	-5.38 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69106 GHz	-16.08 dBm	-6.08 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69504 GHz	-25.31 dBm	-12.31 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69801 GHz	-30.46 dBm	-5.46 dB

Date: 27.OCT.2022 15:16:18

Lowest Band Edge / Full RB

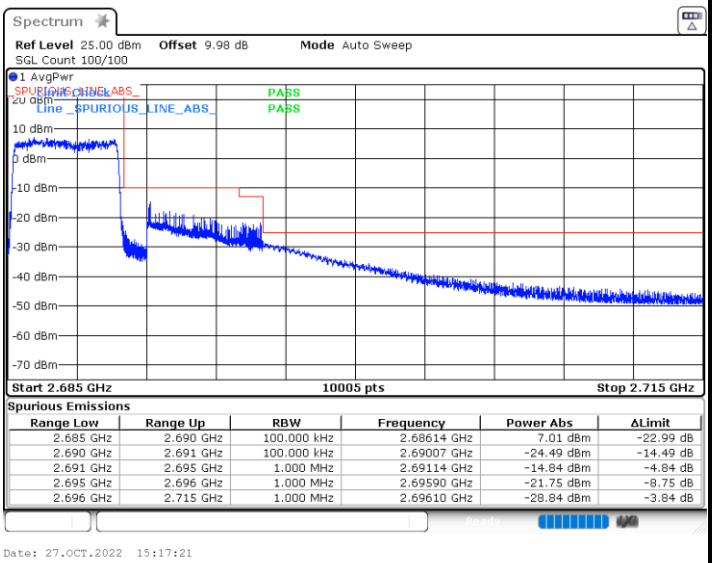


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49044 GHz	-28.54 dBm	-3.54 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-17.68 dBm	-4.68 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49576 GHz	-26.92 dBm	-13.92 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.50046 GHz	6.55 dBm	-23.45 dB

Date: 27.OCT.2022 15:06:35

Highest Band Edge / Full RB



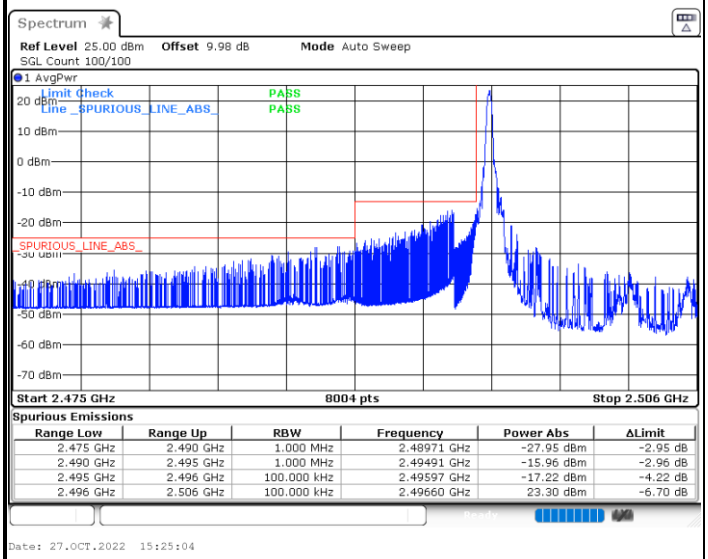
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68614 GHz	7.01 dBm	-22.99 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69007 GHz	-24.49 dBm	-14.49 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69114 GHz	-14.84 dBm	-4.84 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69590 GHz	-21.75 dBm	-8.75 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69610 GHz	-28.84 dBm	-3.84 dB

Date: 27.OCT.2022 15:17:21

LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

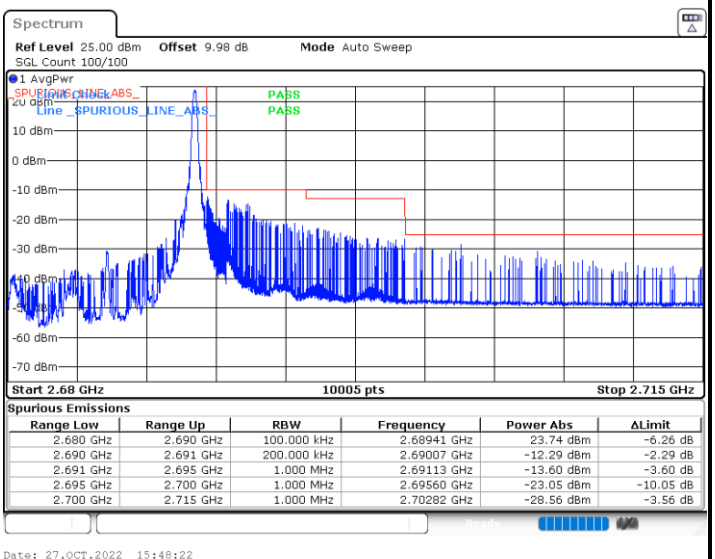


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48971 GHz	-27.95 dBm	-2.95 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-15.96 dBm	-2.96 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49597 GHz	-17.22 dBm	-4.22 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49660 GHz	23.30 dBm	-6.70 dB

Date: 27.OCT.2022 15:25:04

Highest Band Edge / 1 RB

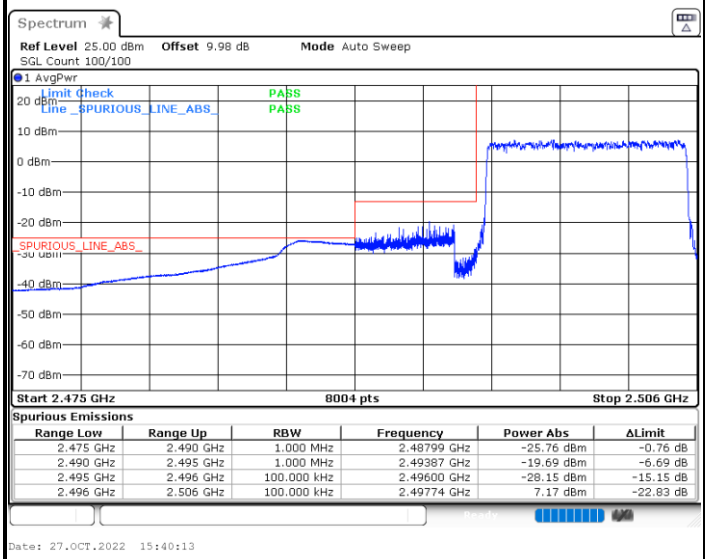


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68941 GHz	23.74 dBm	-6.26 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69007 GHz	-12.29 dBm	-2.29 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69113 GHz	-13.60 dBm	-3.60 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69560 GHz	-23.05 dBm	-10.05 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70282 GHz	-28.56 dBm	-3.56 dB

Date: 27.OCT.2022 15:48:22

Lowest Band Edge / Full RB

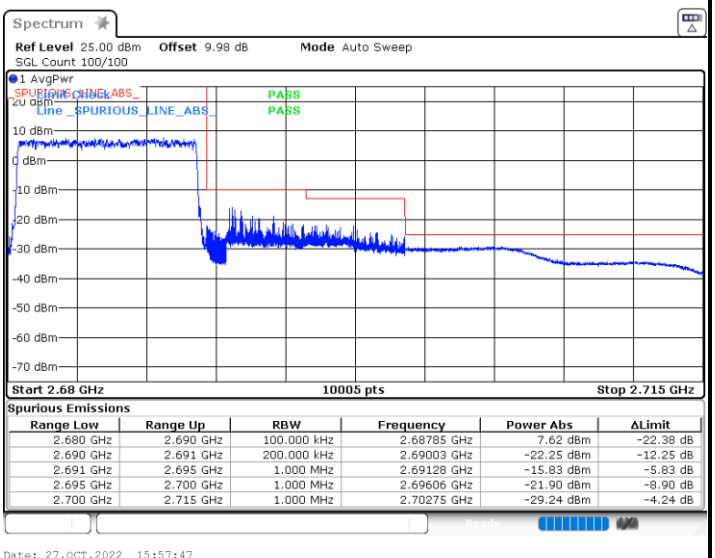


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48799 GHz	-25.76 dBm	-0.76 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49387 GHz	-19.69 dBm	-6.69 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-28.15 dBm	-15.15 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49774 GHz	7.17 dBm	-22.83 dB

Date: 27.OCT.2022 15:40:13

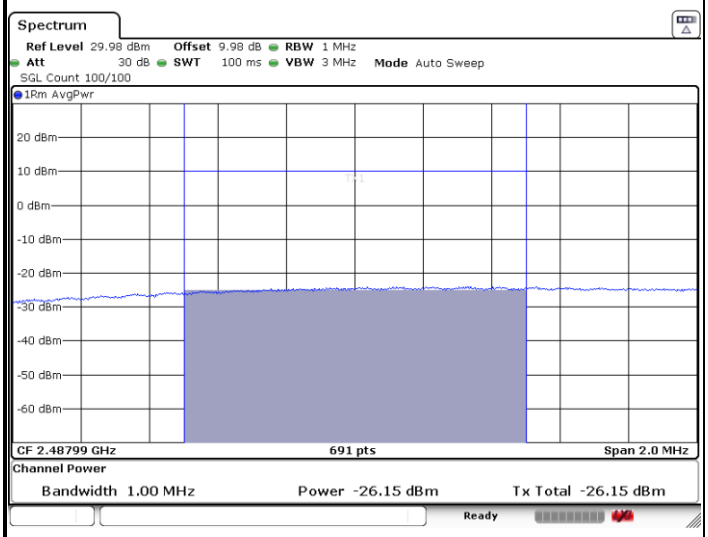
Highest Band Edge / Full RB



Spurious Emissions

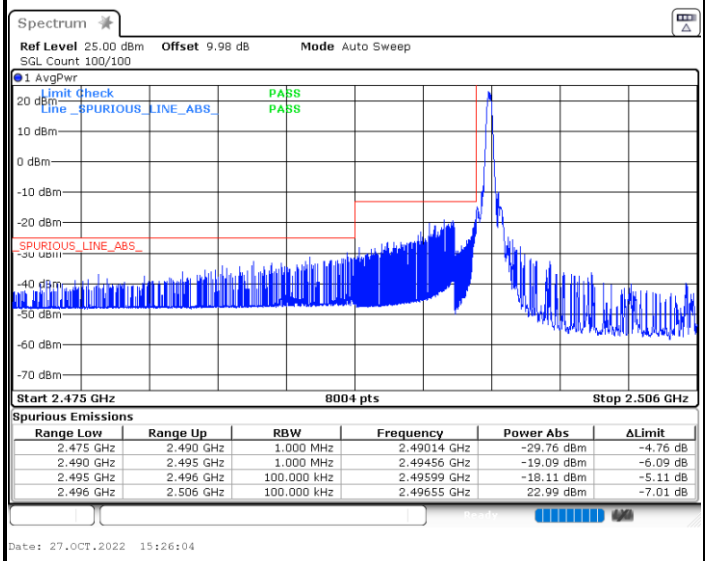
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68785 GHz	7.62 dBm	-22.38 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69003 GHz	-22.25 dBm	-12.25 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69128 GHz	-15.83 dBm	-5.83 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69606 GHz	-21.90 dBm	-8.90 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70275 GHz	-29.24 dBm	-4.24 dB

Date: 27.OCT.2022 15:57:47


Spectrum
Ref Level 29.98 dBm Offset 9.98 dB RBW 1 MHz
Att 30 dB SWT 100 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100
1Rm AvgPwr
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.48799 GHz
691 pts
Span 2.0 MHz
Channel Power
Bandwidth 1.00 MHz
Power -26.15 dBm
Tx Total -26.15 dBm
Ready

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

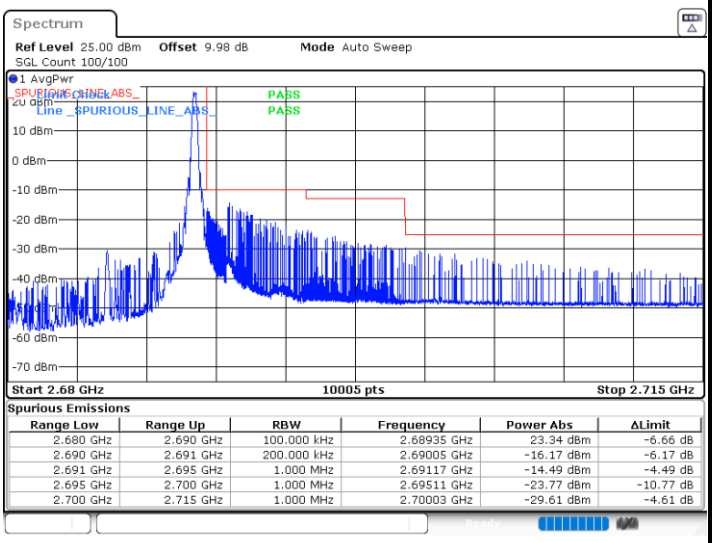


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49014 GHz	-29.76 dBm	-4.76 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49456 GHz	-19.09 dBm	-6.09 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-18.11 dBm	-5.11 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49655 GHz	22.99 dBm	-7.01 dB

Date: 27.OCT.2022 15:26:04

Highest Band Edge / 1 RB

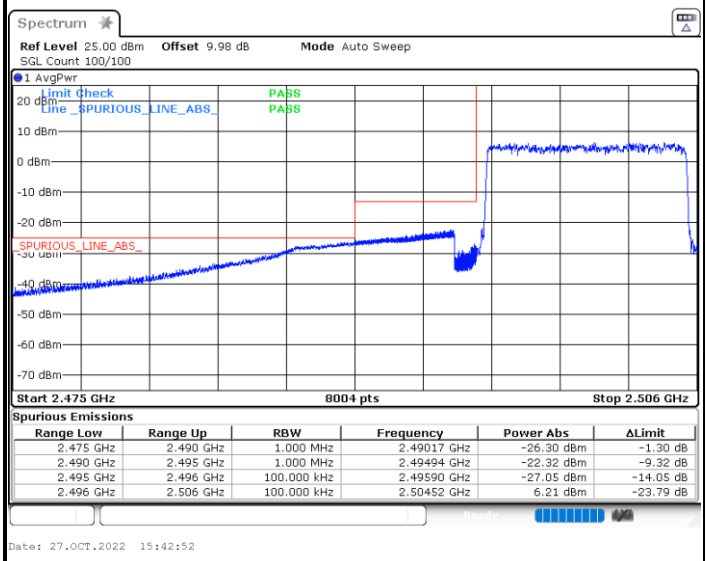


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68935 GHz	23.34 dBm	-6.66 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69005 GHz	-16.17 dBm	-6.17 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-14.49 dBm	-4.49 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69511 GHz	-23.77 dBm	-10.77 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70003 GHz	-29.61 dBm	-4.61 dB

Date: 27.OCT.2022 15:49:42

Lowest Band Edge / Full RB

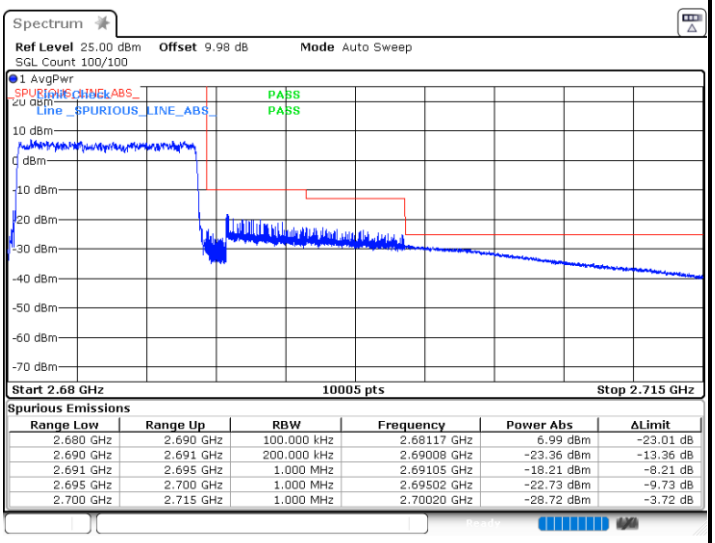


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49017 GHz	-26.30 dBm	-1.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-22.32 dBm	-9.32 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49590 GHz	-27.05 dBm	-14.05 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50452 GHz	6.21 dBm	-23.79 dB

Date: 27.OCT.2022 15:42:52

Highest Band Edge / Full RB



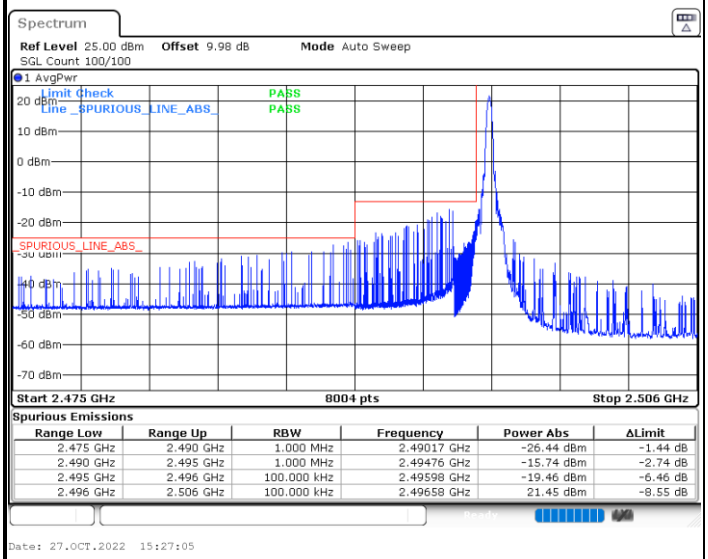
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68117 GHz	6.99 dBm	-23.01 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69008 GHz	-23.36 dBm	-13.36 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-18.21 dBm	-8.21 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69502 GHz	-22.73 dBm	-9.73 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70020 GHz	-28.72 dBm	-3.72 dB

Date: 27.OCT.2022 15:56:27

LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

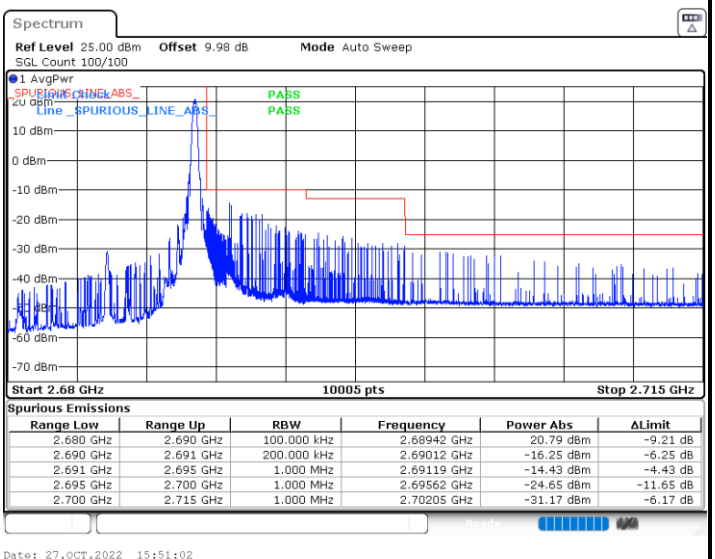


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49017 GHz	-26.44 dBm	-1.44 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49476 GHz	-15.74 dBm	-2.74 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-19.46 dBm	-6.46 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49658 GHz	21.45 dBm	-8.55 dB

Date: 27.OCT.2022 15:27:05

Highest Band Edge / 1 RB

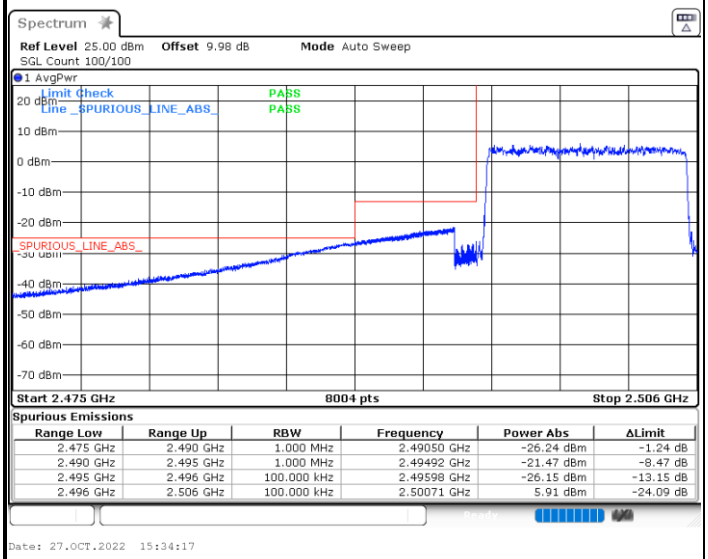


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68942 GHz	20.79 dBm	-9.21 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69012 GHz	-16.25 dBm	-6.25 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69119 GHz	-14.43 dBm	-4.43 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69562 GHz	-24.65 dBm	-11.65 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70205 GHz	-31.17 dBm	-6.17 dB

Date: 27.OCT.2022 15:51:02

Lowest Band Edge / Full RB

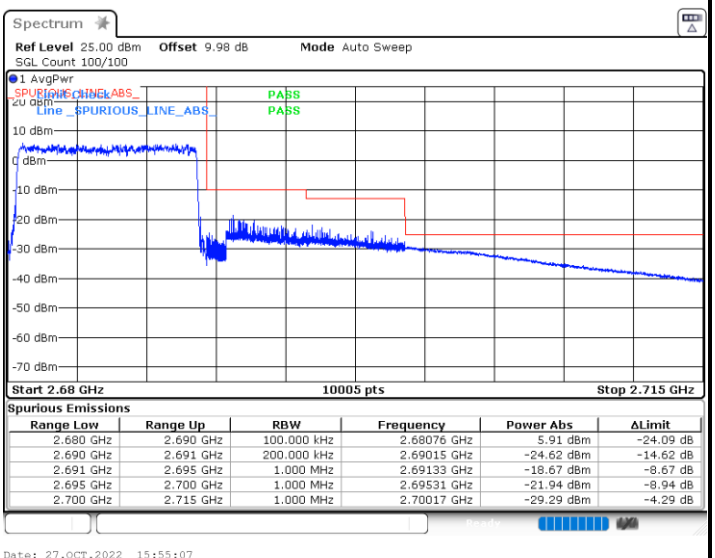


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49050 GHz	-26.24 dBm	-1.24 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-21.47 dBm	-8.47 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-26.15 dBm	-13.15 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50071 GHz	5.91 dBm	-24.09 dB

Date: 27.OCT.2022 15:34:17

Highest Band Edge / Full RB



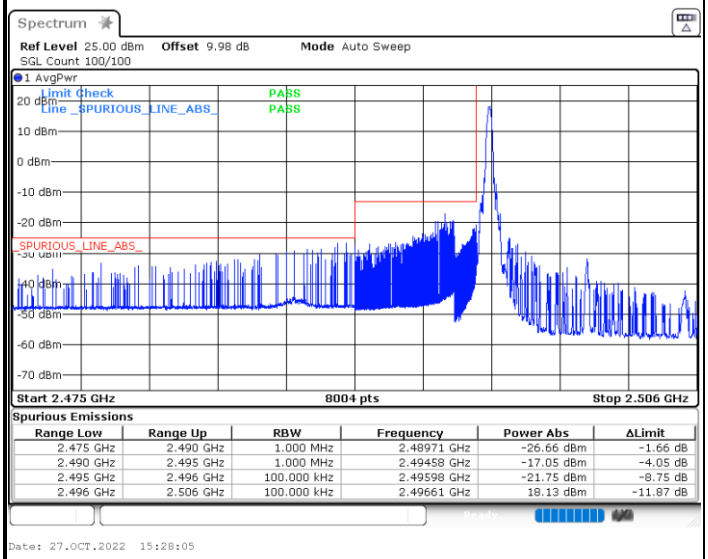
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68076 GHz	5.91 dBm	-24.09 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69015 GHz	-24.62 dBm	-14.62 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69133 GHz	-18.67 dBm	-8.67 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69531 GHz	-21.94 dBm	-8.94 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70017 GHz	-29.29 dBm	-4.29 dB

Date: 27.OCT.2022 15:55:07

LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

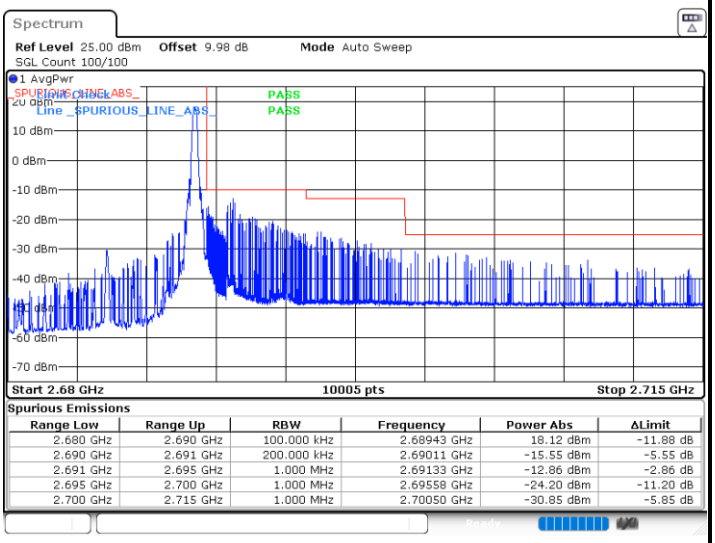


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48971 GHz	-26.66 dBm	-1.66 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49458 GHz	-17.05 dBm	-4.05 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-21.75 dBm	-8.75 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49661 GHz	18.13 dBm	-11.87 dB

Date: 27.OCT.2022 15:28:05

Highest Band Edge / 1 RB

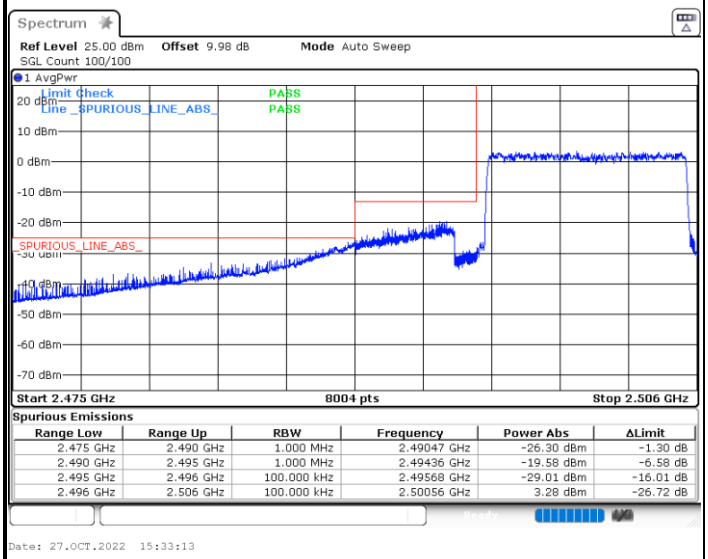


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68943 GHz	18.12 dBm	-11.88 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69011 GHz	-15.55 dBm	-5.55 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69133 GHz	-12.86 dBm	-2.86 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69558 GHz	-24.20 dBm	-11.20 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70050 GHz	-30.85 dBm	-5.85 dB

Date: 27.OCT.2022 15:52:22

Lowest Band Edge / Full RB

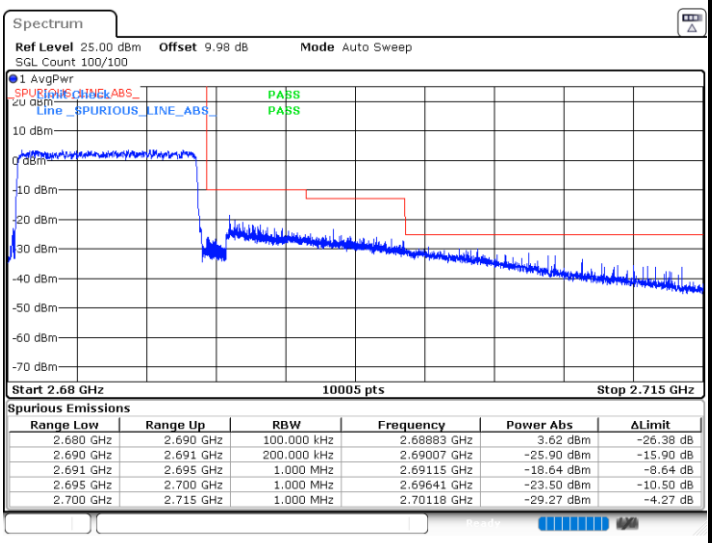


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-26.30 dBm	-1.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49436 GHz	-19.58 dBm	-6.58 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49568 GHz	-29.01 dBm	-16.01 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50056 GHz	3.28 dBm	-26.72 dB

Date: 27.OCT.2022 15:33:13

Highest Band Edge / Full RB



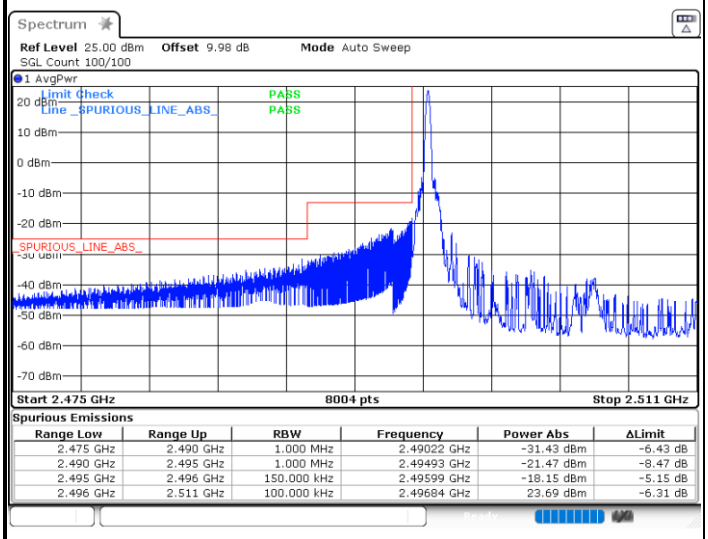
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68883 GHz	3.62 dBm	-26.38 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69007 GHz	-25.90 dBm	-15.90 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-18.64 dBm	-8.64 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69641 GHz	-23.50 dBm	-10.50 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70118 GHz	-29.27 dBm	-4.27 dB

Date: 27.OCT.2022 15:53:44

LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

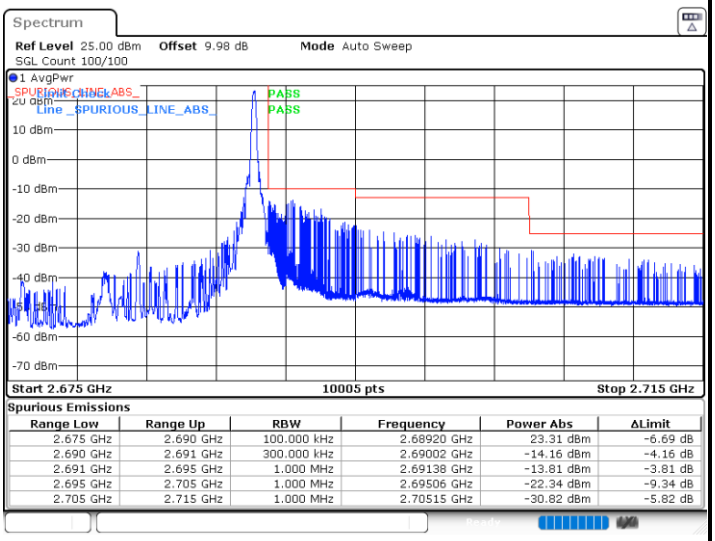


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-31.43 dBm	-6.43 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-21.47 dBm	-8.47 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-18.15 dBm	-5.15 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49684 GHz	23.69 dBm	-6.31 dB

Date: 27.OCT.2022 16:00:28

Highest Band Edge / 1 RB

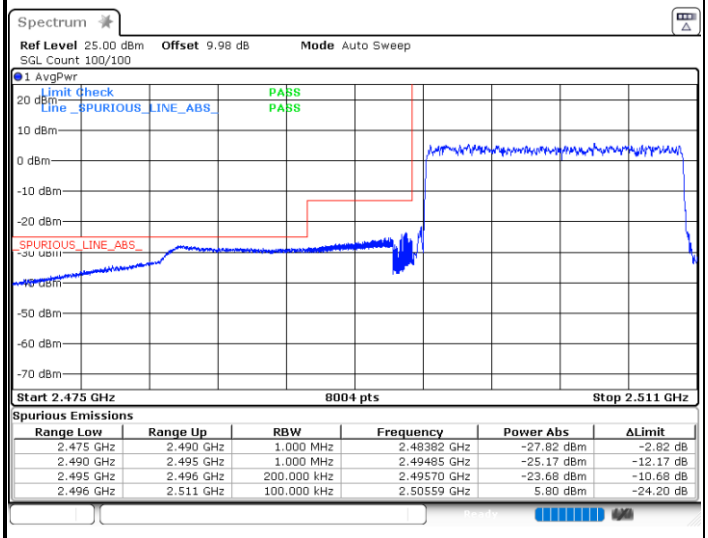


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68920 GHz	23.31 dBm	-6.69 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-14.16 dBm	-4.16 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69138 GHz	-13.81 dBm	-3.81 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69506 GHz	-22.34 dBm	-9.34 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70515 GHz	-30.82 dBm	-5.82 dB

Date: 27.OCT.2022 16:14:20

Lowest Band Edge / Full RB

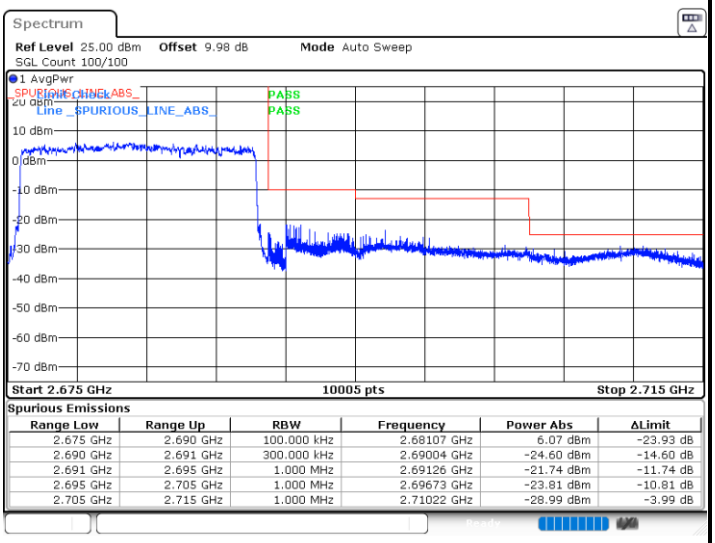


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48382 GHz	-27.82 dBm	-2.82 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49485 GHz	-25.17 dBm	-12.17 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49570 GHz	-23.68 dBm	-10.68 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50559 GHz	5.80 dBm	-24.20 dB

Date: 27.OCT.2022 16:10:21

Highest Band Edge / Full RB



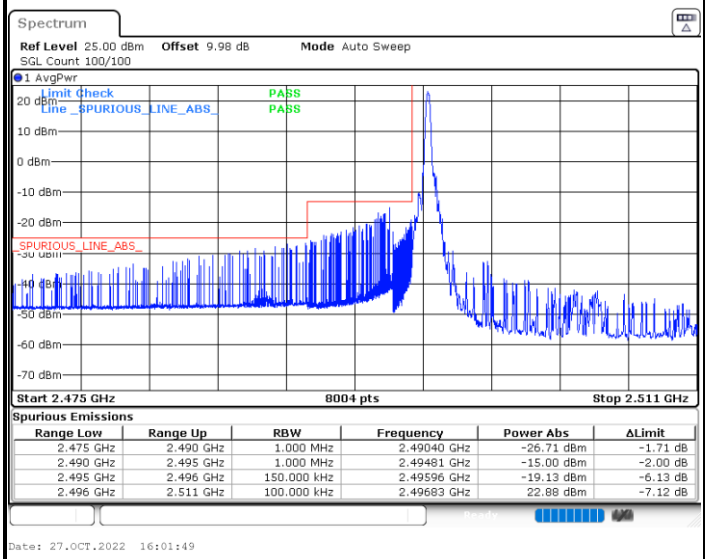
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68107 GHz	6.07 dBm	-23.93 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69004 GHz	-24.60 dBm	-14.60 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69126 GHz	-21.74 dBm	-11.74 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69673 GHz	-23.81 dBm	-10.81 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.71022 GHz	-28.99 dBm	-3.99 dB

Date: 27.OCT.2022 16:23:46

LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

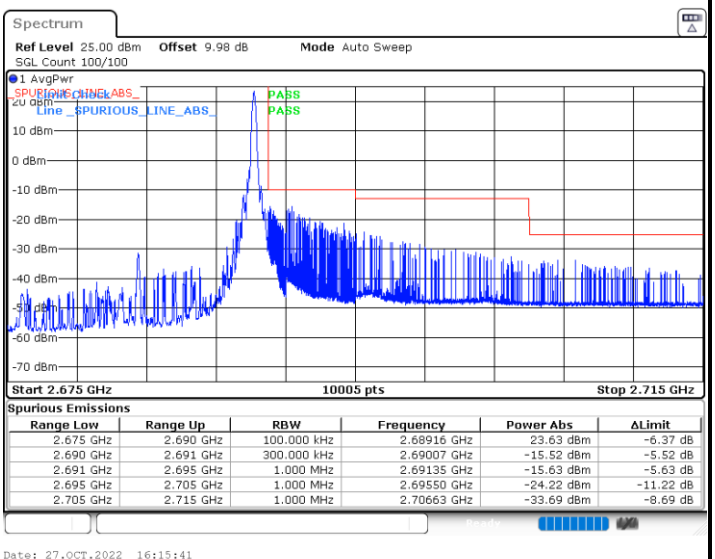


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-26.71 dBm	-1.71 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49481 GHz	-15.00 dBm	-2.00 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49596 GHz	-19.13 dBm	-6.13 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49683 GHz	22.88 dBm	-7.12 dB

Date: 27.OCT.2022 16:01:49

Highest Band Edge / 1 RB

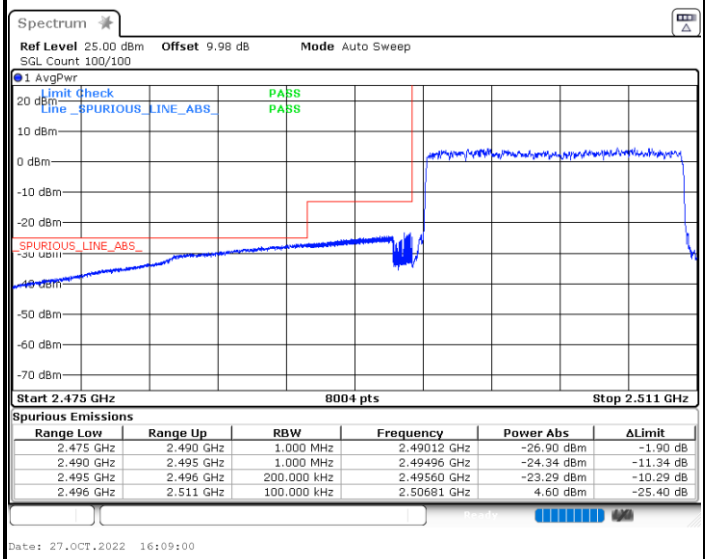


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68916 GHz	23.63 dBm	-6.37 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69007 GHz	-15.52 dBm	-5.52 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69135 GHz	-15.63 dBm	-5.63 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69550 GHz	-24.22 dBm	-11.22 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70663 GHz	-33.69 dBm	-8.69 dB

Date: 27.OCT.2022 16:15:41

Lowest Band Edge / Full RB

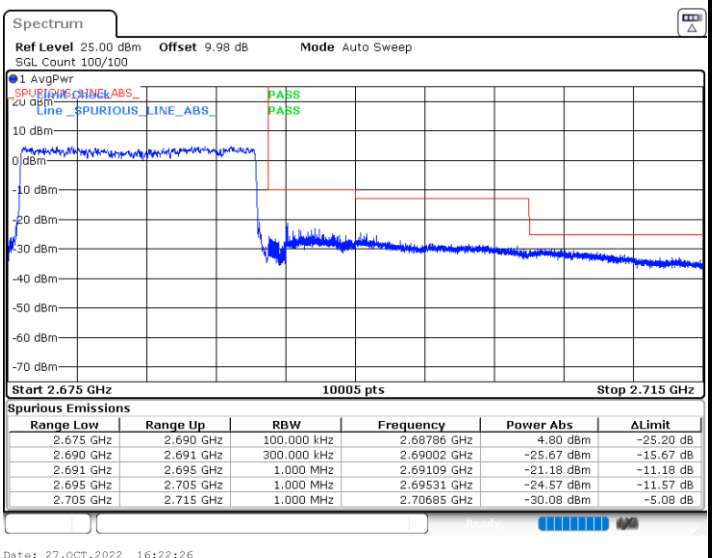


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-26.90 dBm	-1.90 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-24.34 dBm	-11.34 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49560 GHz	-23.29 dBm	-10.29 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50681 GHz	4.60 dBm	-25.40 dB

Date: 27.OCT.2022 16:09:00

Highest Band Edge / Full RB



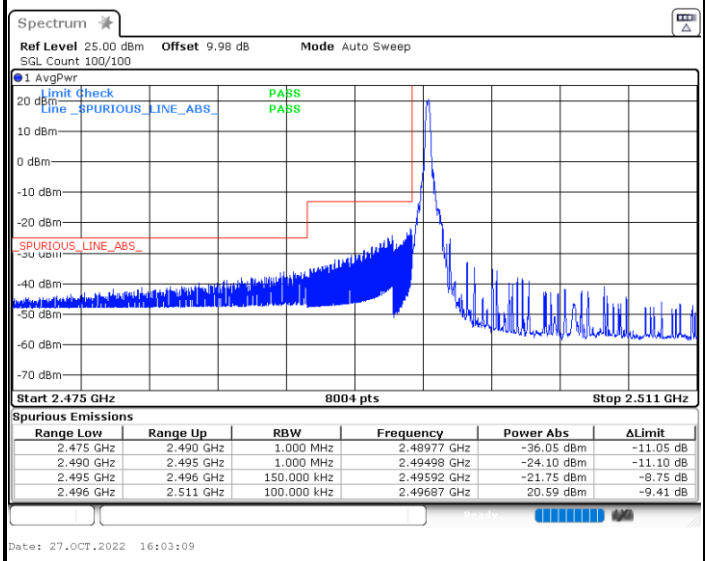
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68786 GHz	4.80 dBm	-25.20 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-25.67 dBm	-15.67 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-21.18 dBm	-11.18 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69531 GHz	-24.57 dBm	-11.57 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70685 GHz	-30.08 dBm	-5.08 dB

Date: 27.OCT.2022 16:22:26

LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

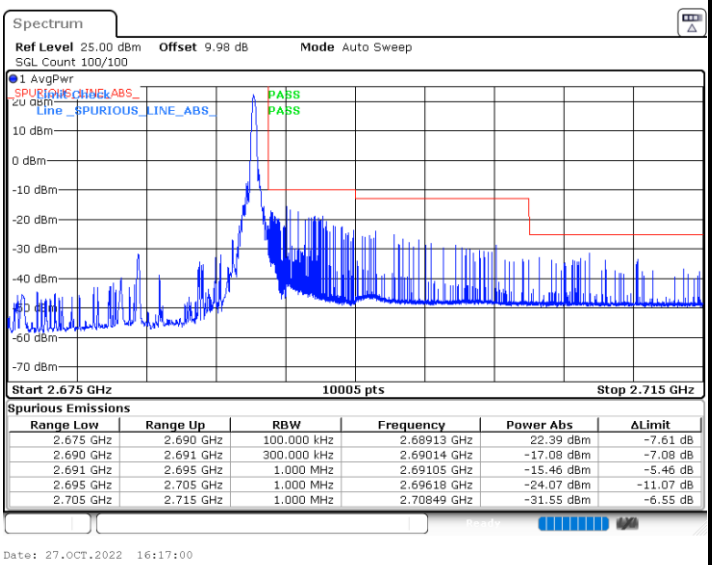


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48977 GHz	-36.05 dBm	-11.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-24.10 dBm	-11.10 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49592 GHz	-21.75 dBm	-8.75 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49687 GHz	20.59 dBm	-9.41 dB

Date: 27.OCT.2022 16:03:09

Highest Band Edge / 1 RB

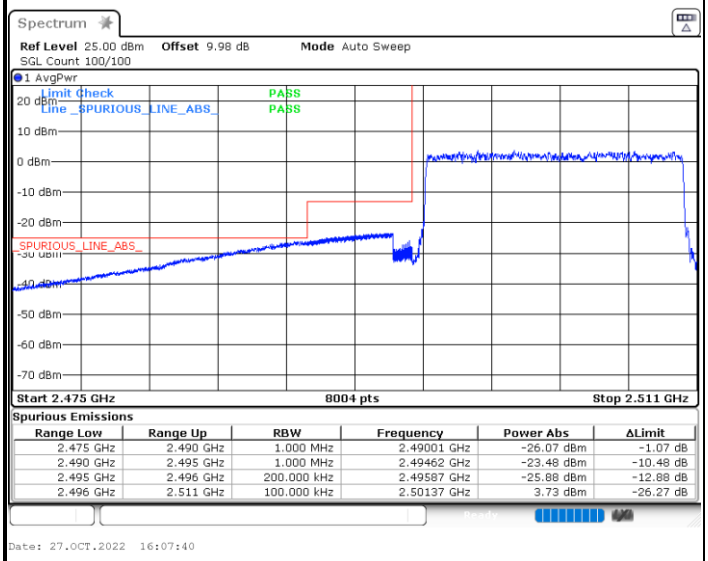


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68913 GHz	22.39 dBm	-7.61 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69014 GHz	-17.08 dBm	-7.08 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-15.46 dBm	-5.46 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69618 GHz	-24.07 dBm	-11.07 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70849 GHz	-31.55 dBm	-6.55 dB

Date: 27.OCT.2022 16:17:00

Lowest Band Edge / Full RB

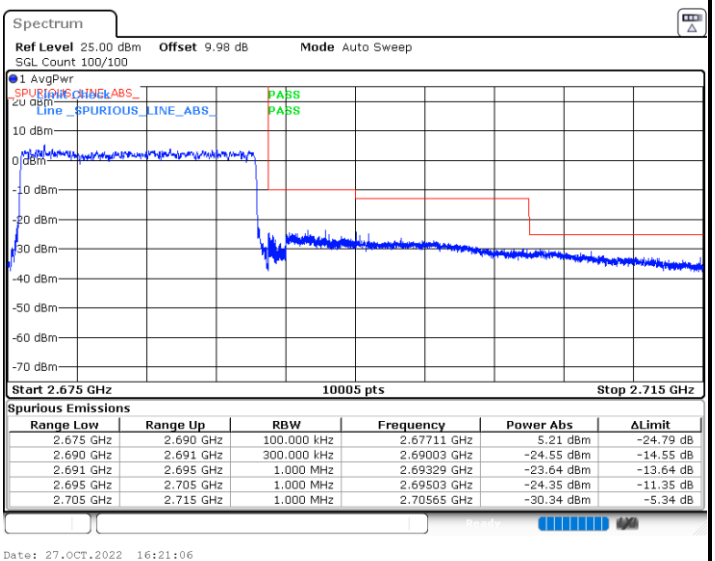


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49001 GHz	-26.07 dBm	-1.07 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49462 GHz	-23.48 dBm	-10.48 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49587 GHz	-25.88 dBm	-12.88 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50137 GHz	3.73 dBm	-26.27 dB

Date: 27.OCT.2022 16:07:40

Highest Band Edge / Full RB



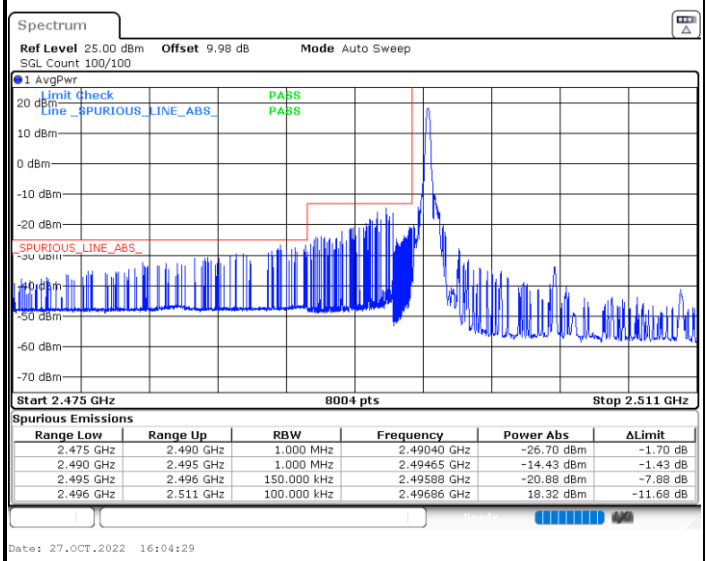
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67711 GHz	5.21 dBm	-24.79 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69003 GHz	-24.55 dBm	-14.55 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69329 GHz	-23.64 dBm	-13.64 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69503 GHz	-24.35 dBm	-11.35 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70565 GHz	-30.34 dBm	-5.34 dB

Date: 27.OCT.2022 16:21:06

LTE Band 41 / 15MHz /256QAM

Lowest Band Edge / 1 RB

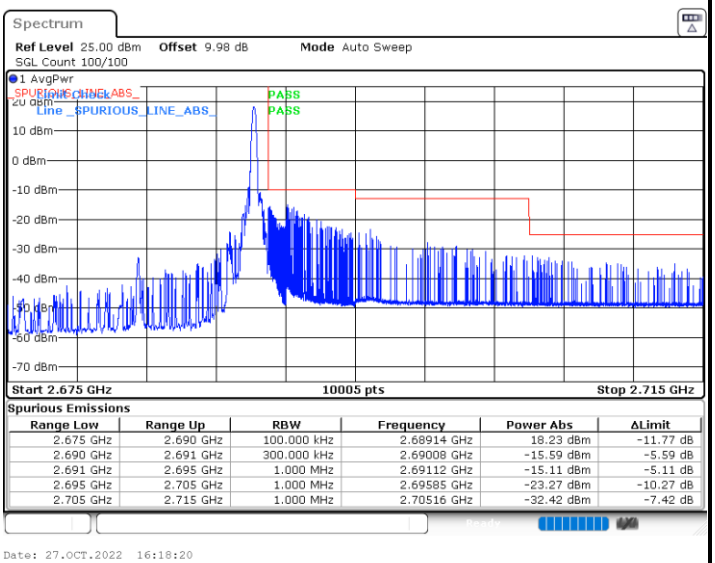


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-26.70 dBm	-1.70 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49465 GHz	-14.43 dBm	-1.43 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49588 GHz	-20.88 dBm	-7.88 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49686 GHz	18.32 dBm	-11.68 dB

Date: 27.OCT.2022 16:04:29

Highest Band Edge / 1 RB

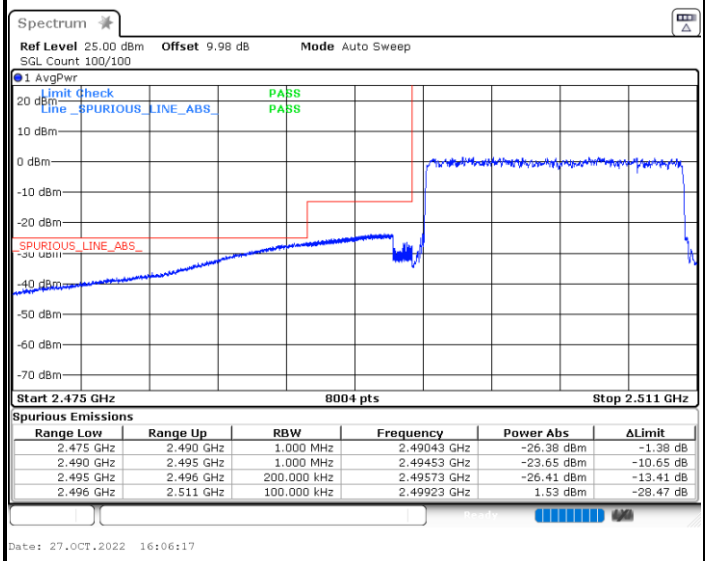


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68914 GHz	18.23 dBm	-11.77 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69008 GHz	-15.59 dBm	-5.59 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69112 GHz	-15.11 dBm	-5.11 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69585 GHz	-23.27 dBm	-10.27 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70516 GHz	-32.42 dBm	-7.42 dB

Date: 27.OCT.2022 16:18:20

Lowest Band Edge / Full RB

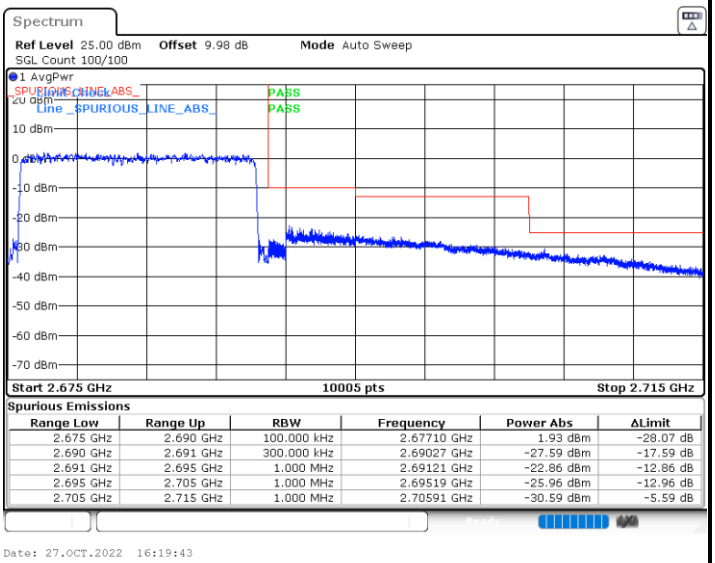


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-26.38 dBm	-1.38 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49453 GHz	-23.65 dBm	-10.65 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49573 GHz	-26.41 dBm	-13.41 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49923 GHz	1.53 dBm	-28.47 dB

Date: 27.OCT.2022 16:06:17

Highest Band Edge / Full RB



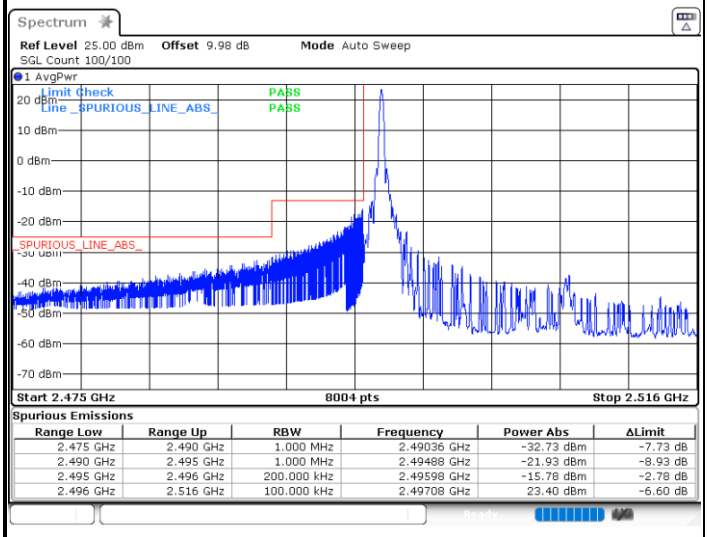
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67710 GHz	1.93 dBm	-28.07 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69027 GHz	-27.59 dBm	-17.59 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-22.86 dBm	-12.86 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69519 GHz	-25.96 dBm	-12.96 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70591 GHz	-30.59 dBm	-5.59 dB

Date: 27.OCT.2022 16:19:43

LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

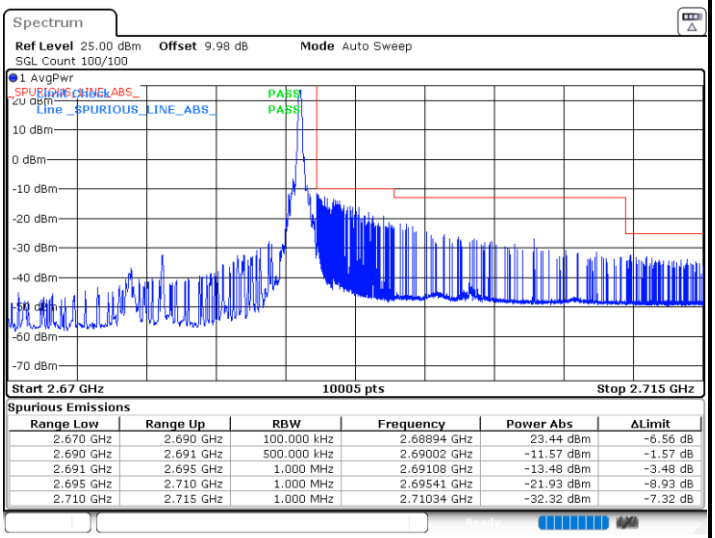


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-32.73 dBm	-7.73 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-21.93 dBm	-8.93 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49598 GHz	-15.78 dBm	-2.78 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49708 GHz	23.40 dBm	-6.60 dB

Date: 27.OCT.2022 16:26:27

Highest Band Edge / 1 RB

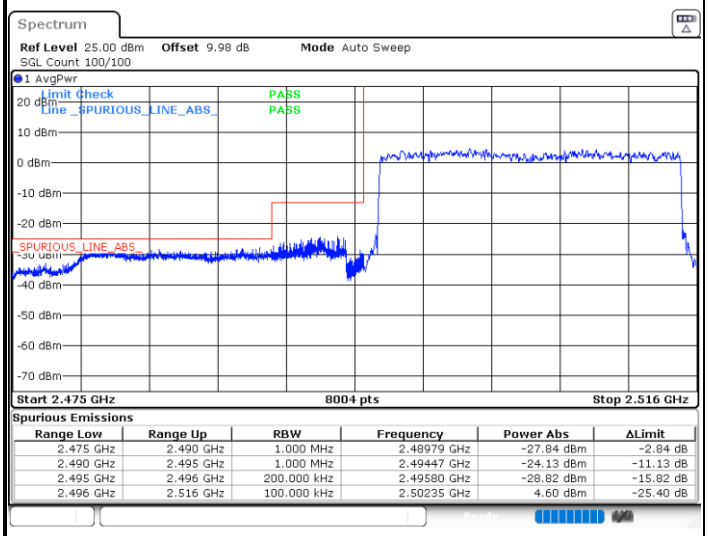


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68894 GHz	23.44 dBm	-6.56 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69002 GHz	-11.57 dBm	-1.57 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-13.48 dBm	-3.48 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69541 GHz	-21.93 dBm	-8.93 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71034 GHz	-32.32 dBm	-7.32 dB

Date: 27.OCT.2022 16:40:50

Lowest Band Edge / Full RB

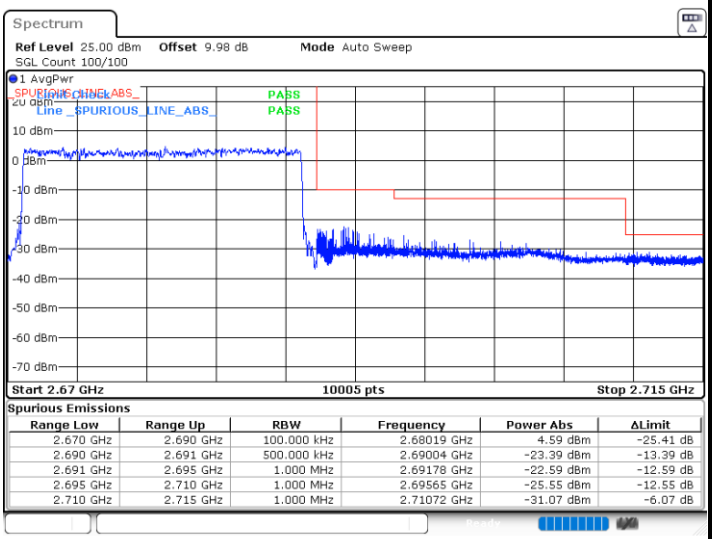


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48979 GHz	-27.84 dBm	-2.84 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49447 GHz	-24.13 dBm	-11.13 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49580 GHz	-28.82 dBm	-15.82 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50235 GHz	4.60 dBm	-25.40 dB

Date: 27.OCT.2022 16:36:49

Highest Band Edge / Full RB



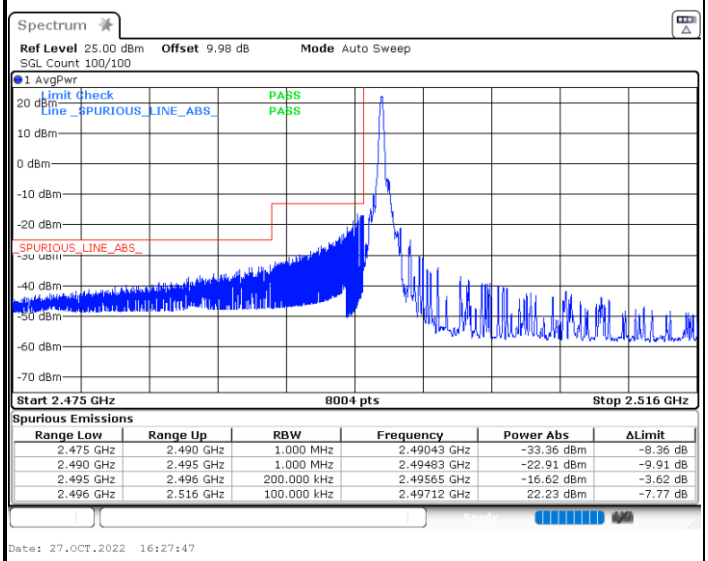
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68019 GHz	4.59 dBm	-25.41 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-23.39 dBm	-13.39 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69178 GHz	-22.59 dBm	-12.59 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69565 GHz	-25.55 dBm	-12.55 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71072 GHz	-31.07 dBm	-6.07 dB

Date: 27.OCT.2022 16:50:16

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

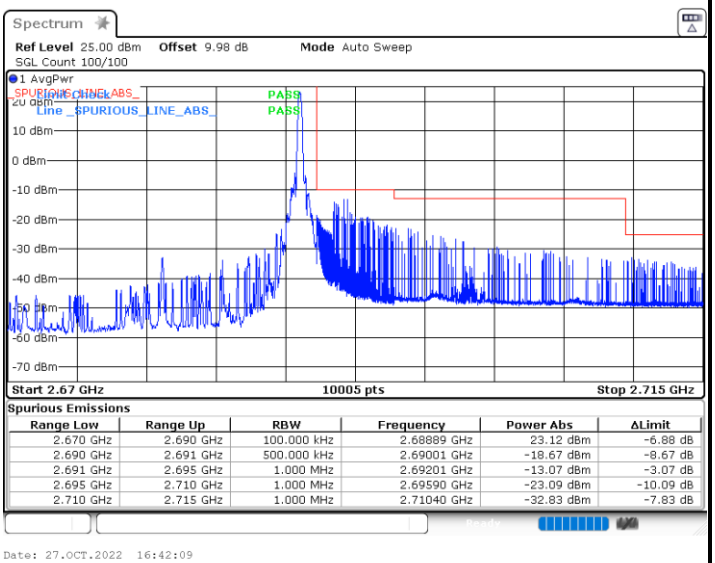


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-33.36 dBm	-8.36 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49483 GHz	-22.91 dBm	-9.91 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49565 GHz	-16.62 dBm	-3.62 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49712 GHz	22.23 dBm	-7.77 dB

Date: 27.OCT.2022 16:27:47

Highest Band Edge / 1 RB

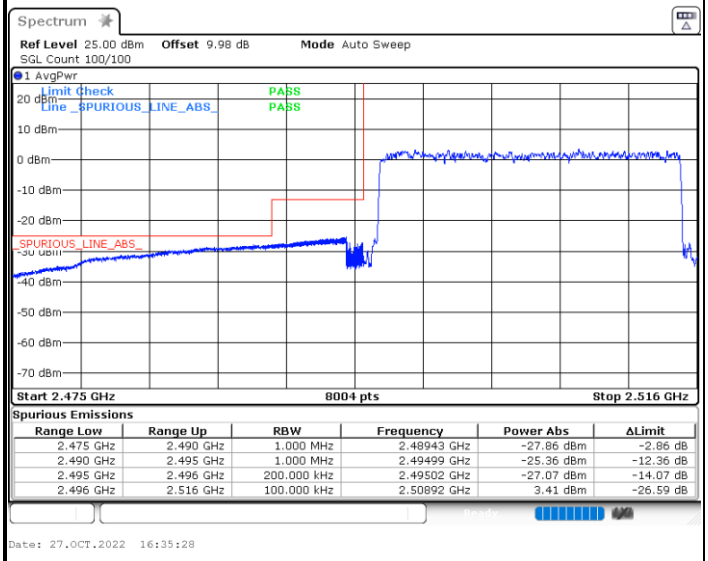


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68889 GHz	23.12 dBm	-6.88 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-18.67 dBm	-8.67 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69201 GHz	-13.07 dBm	-3.07 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69590 GHz	-23.09 dBm	-10.09 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71040 GHz	-32.83 dBm	-7.83 dB

Date: 27.OCT.2022 16:42:09

Lowest Band Edge / Full RB

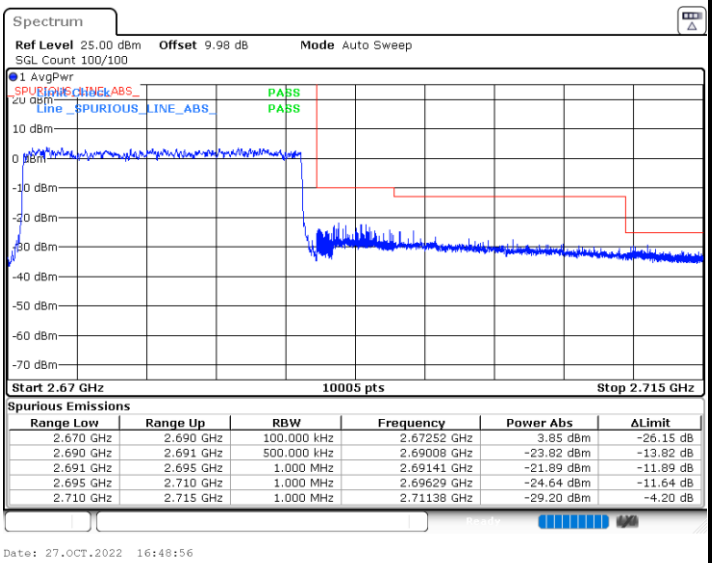


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48943 GHz	-27.86 dBm	-2.86 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-25.36 dBm	-12.36 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49502 GHz	-27.07 dBm	-14.07 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50892 GHz	3.41 dBm	-26.59 dB

Date: 27.OCT.2022 16:35:28

Highest Band Edge / Full RB



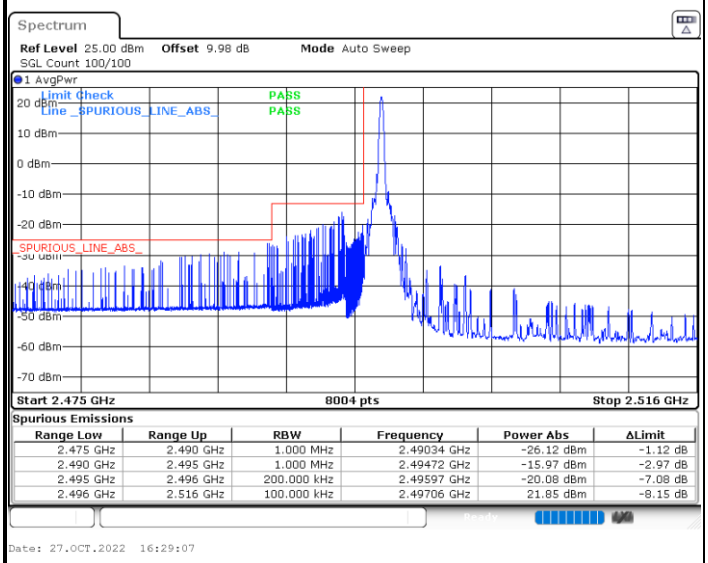
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67252 GHz	3.85 dBm	-26.15 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69008 GHz	-23.82 dBm	-13.82 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69141 GHz	-21.89 dBm	-11.89 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69629 GHz	-24.64 dBm	-11.64 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71138 GHz	-29.20 dBm	-4.20 dB

Date: 27.OCT.2022 16:48:56

LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

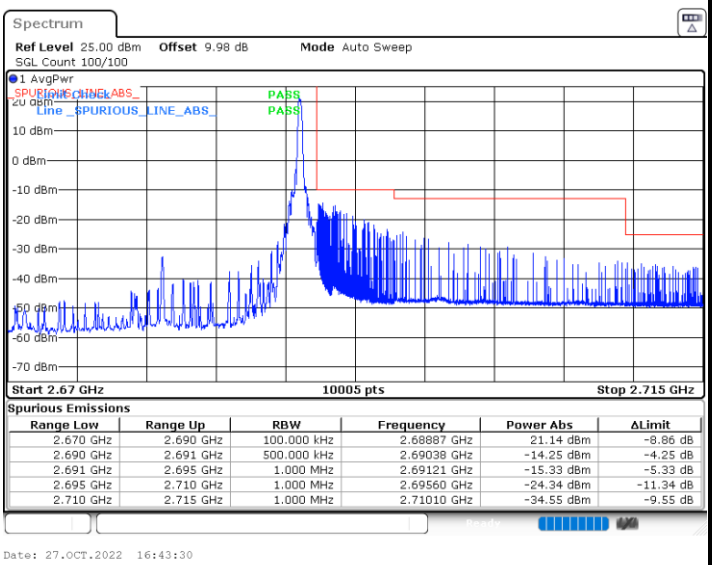


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49034 GHz	-26.12 dBm	-1.12 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49472 GHz	-15.97 dBm	-2.97 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-20.08 dBm	-7.08 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49706 GHz	21.85 dBm	-8.15 dB

Date: 27.OCT.2022 16:29:07

Highest Band Edge / 1 RB

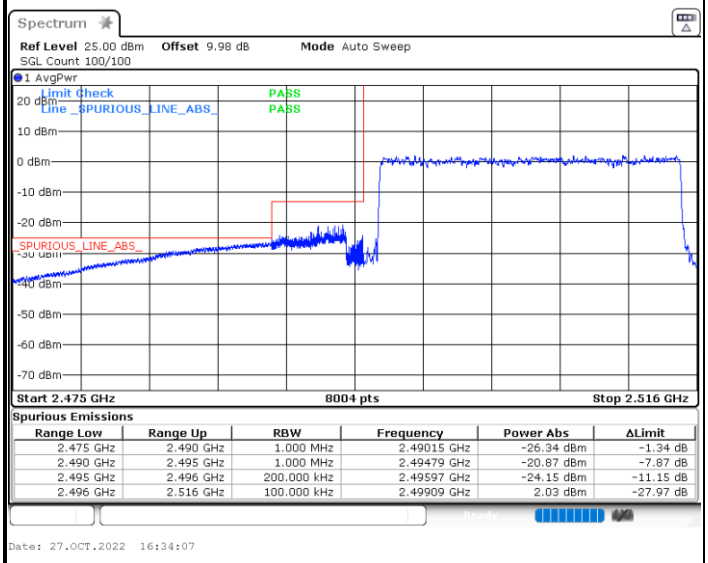


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68887 GHz	21.14 dBm	-8.86 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69038 GHz	-14.25 dBm	-4.25 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-15.33 dBm	-5.33 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69560 GHz	-24.34 dBm	-11.34 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71010 GHz	-34.55 dBm	-9.55 dB

Date: 27.OCT.2022 16:43:30

Lowest Band Edge / Full RB

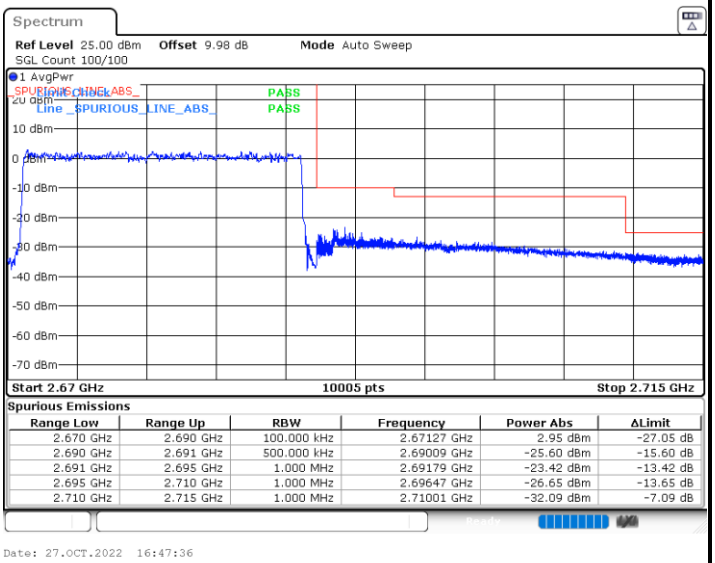


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49015 GHz	-26.34 dBm	-1.34 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49479 GHz	-20.87 dBm	-7.87 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-24.15 dBm	-11.15 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49909 GHz	2.03 dBm	-27.97 dB

Date: 27.OCT.2022 16:34:07

Highest Band Edge / Full RB



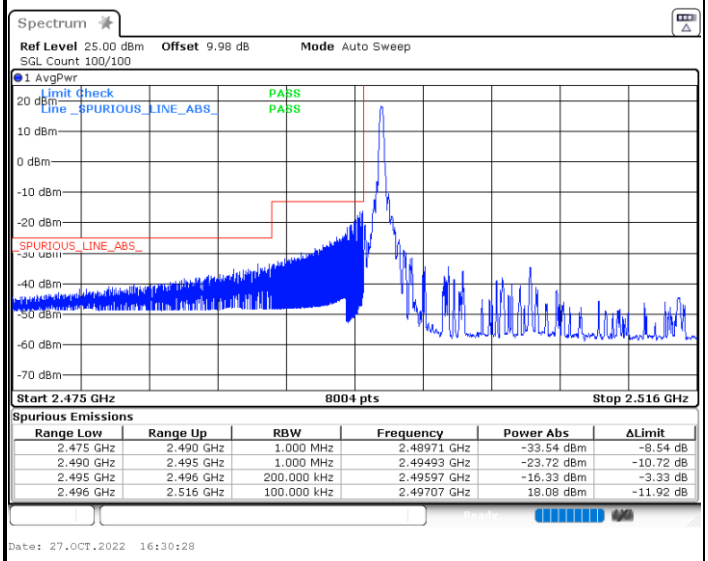
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67127 GHz	2.95 dBm	-27.05 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69009 GHz	-25.60 dBm	-15.60 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69179 GHz	-23.42 dBm	-13.42 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69647 GHz	-26.65 dBm	-13.65 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71001 GHz	-32.09 dBm	-7.09 dB

Date: 27.OCT.2022 16:47:36

LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

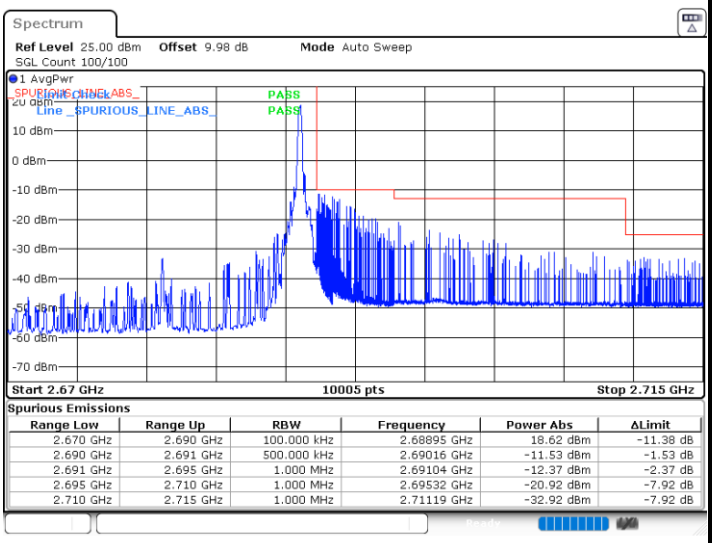


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48971 GHz	-33.54 dBm	-8.54 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-23.72 dBm	-10.72 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-16.33 dBm	-3.33 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49707 GHz	18.08 dBm	-11.92 dB

Date: 27.OCT.2022 16:30:28

Highest Band Edge / 1 RB

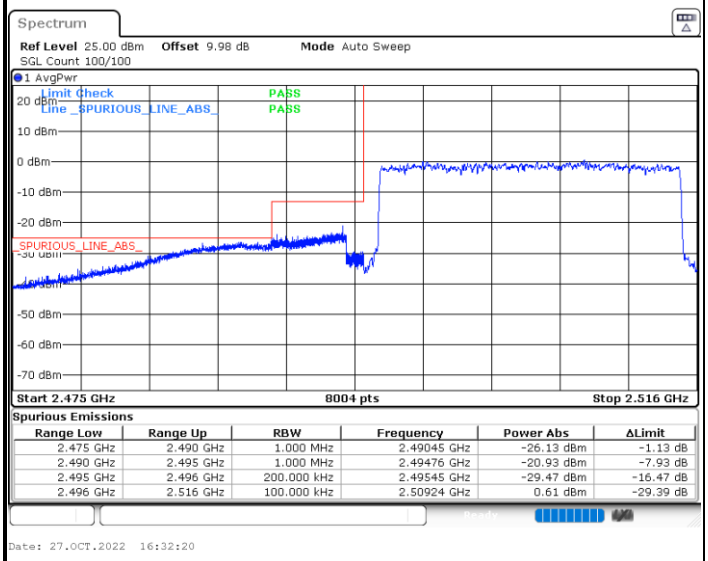


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68895 GHz	18.62 dBm	-11.38 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69016 GHz	-11.53 dBm	-1.53 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-12.37 dBm	-2.37 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69532 GHz	-20.92 dBm	-7.92 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71119 GHz	-32.92 dBm	-7.92 dB

Date: 27.OCT.2022 16:44:50

Lowest Band Edge / Full RB

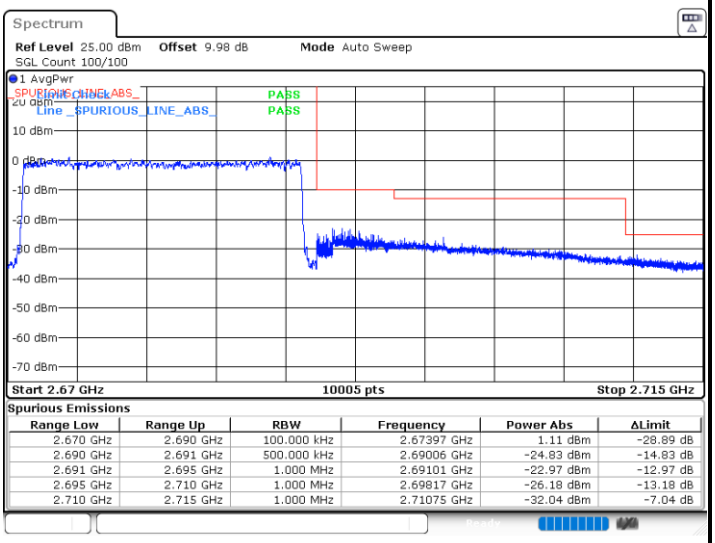


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-26.13 dBm	-1.13 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49476 GHz	-20.93 dBm	-7.93 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49545 GHz	-29.47 dBm	-16.47 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50924 GHz	0.61 dBm	-29.39 dB

Date: 27.OCT.2022 16:32:20

Highest Band Edge / Full RB



Spurious Emissions

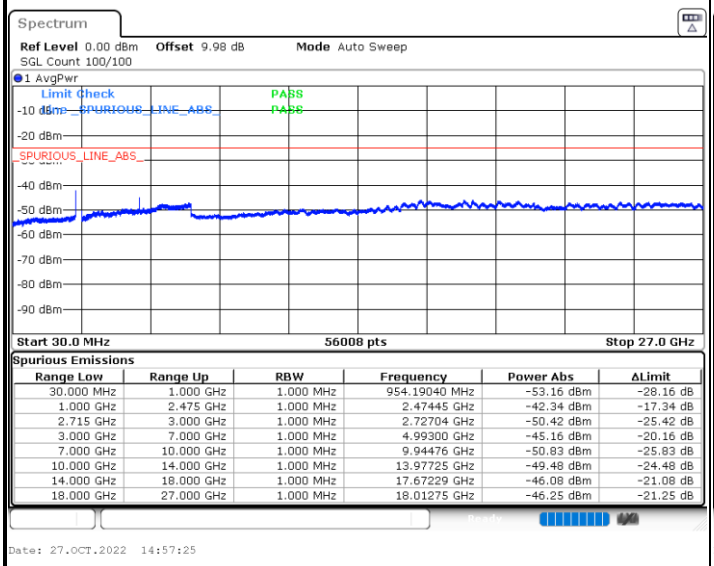
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67397 GHz	1.11 dBm	-28.89 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69006 GHz	-24.83 dBm	-14.83 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-22.97 dBm	-12.97 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69817 GHz	-26.18 dBm	-13.18 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71075 GHz	-32.04 dBm	-7.04 dB

Date: 27.OCT.2022 16:46:13

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

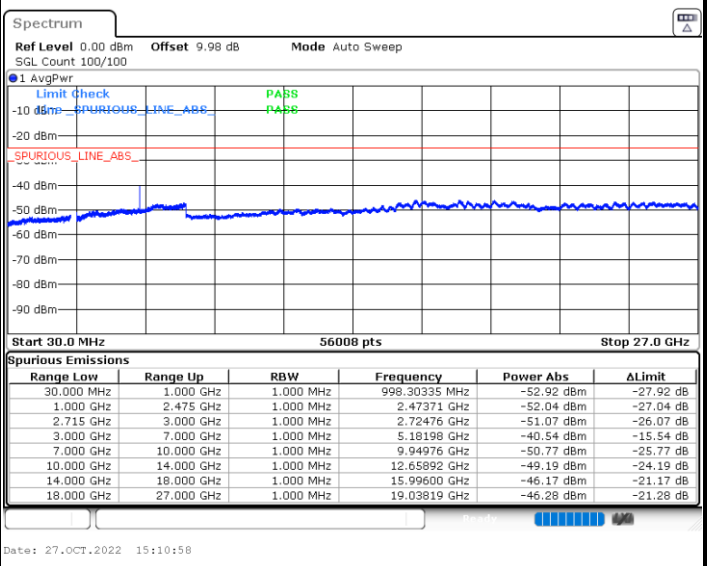


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-53.16 dBm	-28.16 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47445 GHz	-42.34 dBm	-17.34 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72704 GHz	-50.42 dBm	-25.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99300 GHz	-45.16 dBm	-20.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94476 GHz	-50.83 dBm	-25.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97725 GHz	-49.48 dBm	-24.48 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.67229 GHz	-46.08 dBm	-21.08 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.01275 GHz	-46.25 dBm	-21.25 dB

Date: 27.OCT.2022 14:57:25

Middle Channel / QPSK

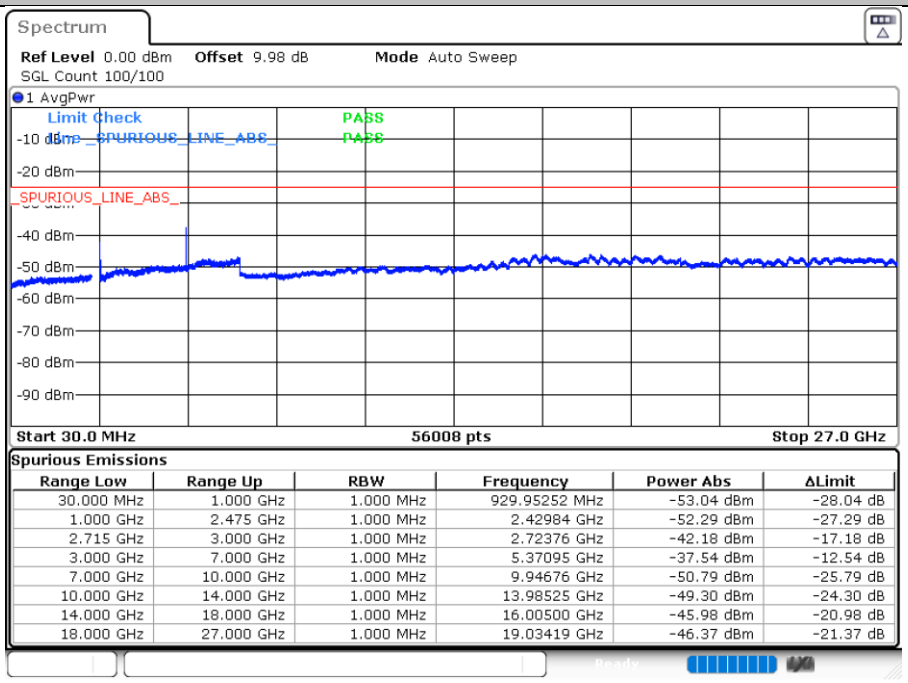


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-52.92 dBm	-27.92 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47371 GHz	-52.04 dBm	-27.04 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72476 GHz	-51.07 dBm	-26.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.18198 GHz	-40.54 dBm	-15.54 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94976 GHz	-50.77 dBm	-25.77 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.65892 GHz	-49.19 dBm	-24.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99600 GHz	-46.17 dBm	-21.17 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03819 GHz	-46.28 dBm	-21.28 dB

Date: 27.OCT.2022 15:10:58

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-53.04 dBm	-28.04 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.42984 GHz	-52.29 dBm	-27.29 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72376 GHz	-42.18 dBm	-17.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.37095 GHz	-37.54 dBm	-12.54 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-50.79 dBm	-25.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98525 GHz	-49.30 dBm	-24.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.00500 GHz	-45.98 dBm	-20.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03419 GHz	-46.37 dBm	-21.37 dB

Date: 27.OCT.2022 15:12:17