FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2429-2
FCC ID	: IHDT56AR5
STANDARD	: 47 CFR Part 2, 27(M), 27(N)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Feb. 18, 2024 ~ Mar. 16, 2024

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.

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

TABLE OF CONTENTS

REVISION HISTORY **3**

SUMMARY OF TEST RESULT **4**

1 GENERAL DESCRIPTION **5**

1.1 Applicant 5
1.2 Manufacturer 5
1.3 Product Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 5
1.5 Modification of EUT 6
1.6 Specification of Accessory 6
1.7 Maximum EIRP/ERP Power and Emission Designator 7
1.8 Testing Location 7
1.9 Test Software 8
1.10 Applicable Standards 8

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **9**

2.1 Test Mode 9
2.2 Connection Diagram of Test System 10
2.3 Support Unit used in test configuration and system 11
2.4 Measurement Results Explanation Example 11
2.5 Frequency List of Low/Middle/High Channels 12

3 CONDUCTED TEST ITEMS **14**

3.1 Measuring Instruments 14
3.2 Test Setup 14
3.3 Test Result of Conducted Test 14
3.4 Conducted Output Power and ERP/EIRP 15
3.5 Peak-to-Average Ratio 16
3.6 Occupied Bandwidth 17
3.7 Conducted Band Edge 18
3.8 Conducted Spurious Emission 20
3.9 Frequency Stability 21

4 RADIATED TEST ITEMS **22**

4.1 Measuring Instruments 22
4.2 Test Setup 22
4.3 Test Result of Radiated Test 23
4.4 Radiated Spurious Emission 24

5 LIST OF MEASURING EQUIPMENT **25**

6 MEASUREMENT UNCERTAINTY **26**

APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

APPENDIX C. TEST SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG411904-01A	Rev. 01	Initial issue of report	Mar. 18, 2024

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(c)(10)	Effective Radiated Power (Band 71)	ERP < 3 Watt	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 41)	EIRP < 2Watt		-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §27.53(g)	Conducted Band Edge Measurement (Band 71)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 41)	§27.53(m)(4)		-
3.8	§2.1051 §27.53(g)	Conducted Spurious Emission (Band 71)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 41)	< 55+10$\log_{10}$(P[Watts])		-
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(g)	Radiated Spurious Emission (Band 71)	< 43+10$\log_{10}$(P[Watts])	PASS	Under limit 16.90 dB at 7752.00 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 41)	< 55+10$\log_{10}$(P[Watts])		

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

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	XT2429-2
FCC ID	IHDT56AR5
IMEI Code	Conducted: 353380310014138/353380310014146 Radiation: 353380310013395
HW Version	DVT2
SW Version	U2UU34.8
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 617 MHz ~ 652 MHz
Bandwidth	LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	**<Ant. 0>:** LTE Band 71 : 22.47 dBm **<Ant. 1>:** LTE Band 41 : 25.79 dBm LTE Band 41C : 16.01 dBm **<Ant. 4>:** LTE Band 41 : 25.85 dBm LTE Band 71 : 21.82 dBm
Antenna Gain	**<Ant. 0>:** LTE Band 71 : -5.0 dBi **<Ant. 1>:** LTE Band 41 : -3.0 dBi **<Ant. 4>:** LTE Band 41 : 0.5 dBi LTE Band 71 : -7.0 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Ant.0 for LTE Band 71, Ant.1 for LTE Band 41C, and Ant.4 for LTE Band 41 are shown in the report.
2. LTE Band 41 support two PAs, both the PA are full tested, only the worst EIRP are shown in the report.
3. LTE Band 41 supports HPUE mode.

1.5 Modification of EUT

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

1.6 Specification of Accessory

Accessories Information				
AC Adapter 1(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-681N
AC Adapter 1(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-682N
AC Adapter 1(UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-683N
AC Adapter 1(AU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-685N
AC Adapter 1(AR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-686N
AC Adapter 1(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-687N
AC Adapter 1(CHILE)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-689N
AC Adapter 2(US)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-681N
AC Adapter 2(EU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-682N
AC Adapter 2(UK)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-683N
AC Adapter 2(AU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-685N
AC Adapter 2(AR)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-686N
AC Adapter 2(BR)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-687N
AC Adapter 2(IN)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-684N
Battery 1	**Brand Name**	Motorola(ATL)	**Model Name**	QC50
Battery 2	**Brand Name**	Motorola(SCUD)	**Model Name**	QC50
USB Cable 1	**Brand Name**	Motorola(Saibao)	**Model Name**	SLQ-A248A
USB Cable 2	**Brand Name**	Motorola(Juwei)	**Model Name**	S928E13829
USB Cable 3	**Brand Name**	Motorola(Saibao)	**Model Name**	SLQ-A248A

1.7 Maximum EIRP/ERP Power and Emission Designator

LTE Band 71		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
20	673.0 ~ 688.0	0.0340	17M8G7D	0.0286	17M9W7D
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	0.4315	17M9G7D	0.3243	17M9W7D

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	0.0200	37M8G7D	0.0169	37M9W7D

Note: 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		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS TH01-KS	CN1257	314309

1.9 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH04-KS	AUDIX	E3	210616

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), 27(N)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

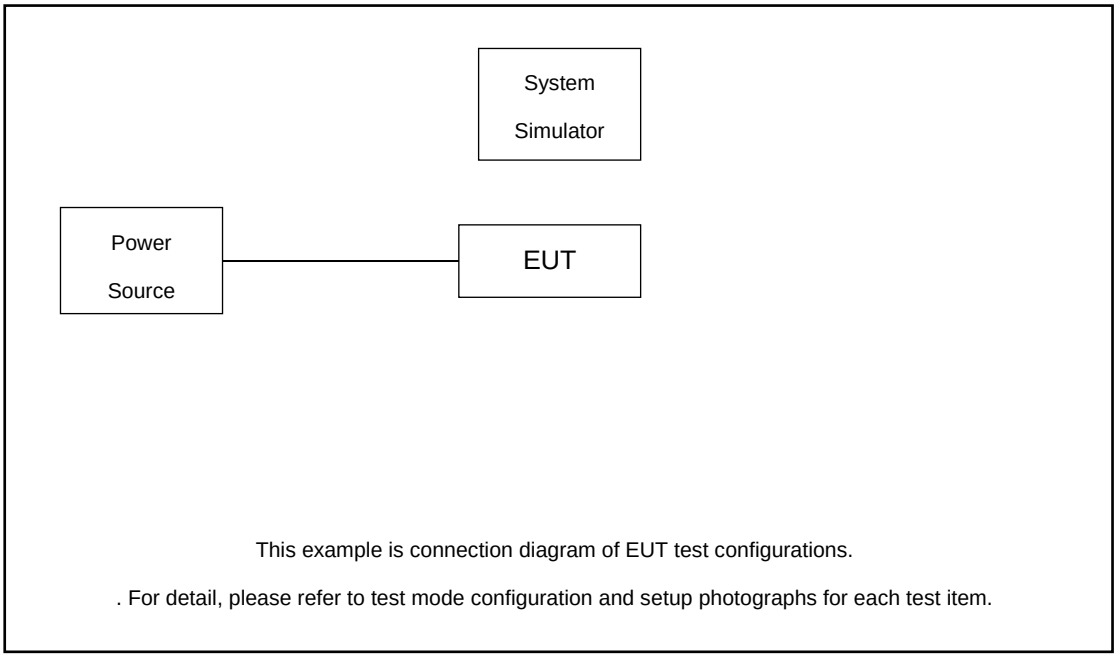
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	41	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
	71	-	-	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	
	71	-	-				v	v	v	v	v			v		v	
26dB and 99% Bandwidth	41	-	-	v	v	v	v	v	v					v		v	
	71	-	-	v	v	v	v	v	v					v		v	
Conducted Band Edge	41	-	-	v	v	v	v	v	v	v	v	v		v	v		v
	71	-	-	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	41	-	-	v	v	v	v	v				v			v	v	v
	71	-	-	v	v	v	v	v				v			v	v	v
Frequency Stability	41	-	-		v			v						v		v	
	71	-	-		v			v						v		v	
E.R.P E.I.R.P	41	-	-	v	v	v	v	v	v	v	v	v			v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	41	Worst Case														v	
	71	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	256QAM	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
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
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 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

LTE Band 71 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	133222	133322	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133272	133422
	Frequency	668.0	678.0	693.0
5	Channel	133147	133247	133447
	Frequency	665.5	675.5	695.5

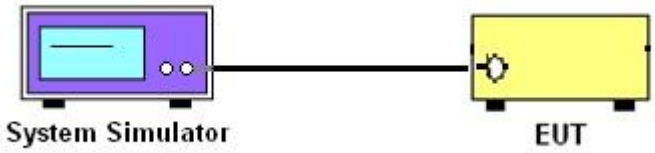
3 Conducted Test Items

3.1 Measuring Instruments

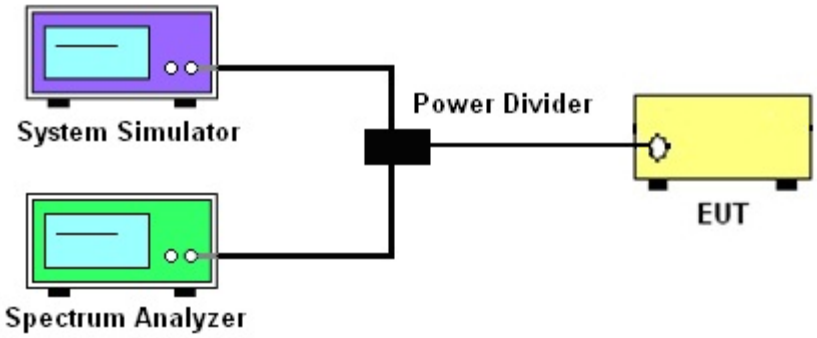
See list of measuring instruments of this test report.

3.2 Test Setup

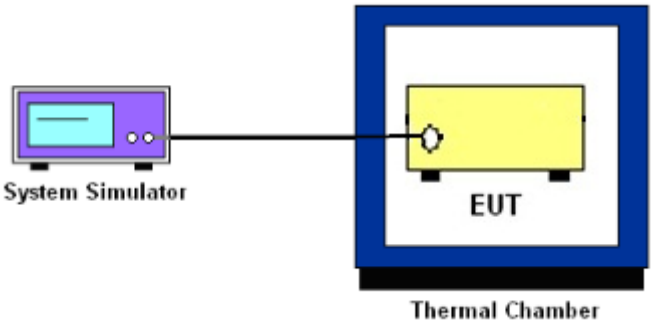
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/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 ERP of mobile transmitters must not exceed 3 Watts for LTE Band 71.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE 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 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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 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

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

For Band 41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

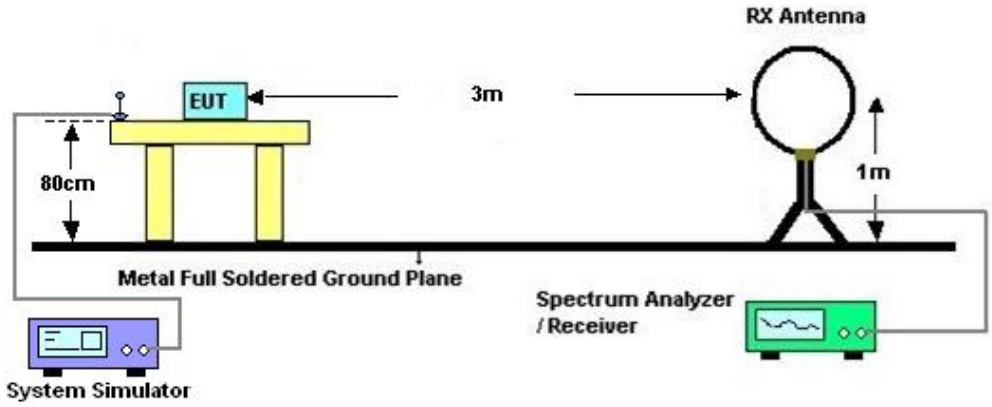
4 Radiated Test Items

4.1 Measuring Instruments

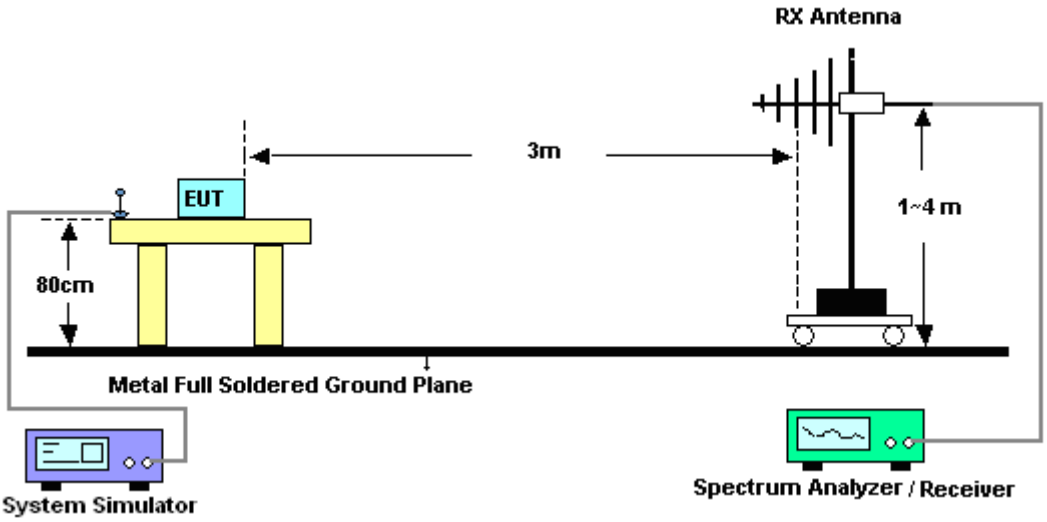
See list of measuring instruments of this test report.

4.2 Test Setup

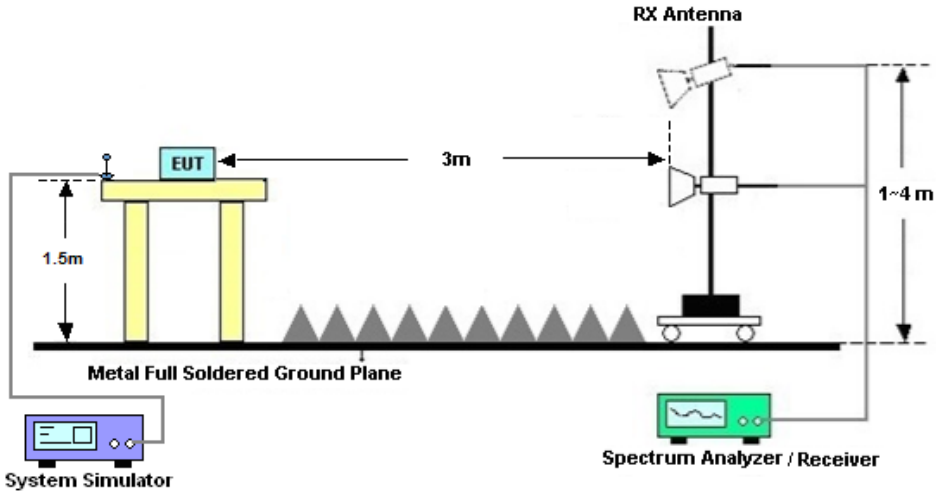
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26.

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

For Band 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For Band 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. 11, 2023	Feb. 20, 2024~ Mar. 16, 2024	Oct. 10, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Feb. 20, 2024~ Mar. 16, 2024	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 06, 2023	Feb. 20, 2024~ Mar. 16, 2024	Jul. 05, 2024	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 10, 2023	Feb. 18, 2024~ Mar. 16, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 11, 2023	Feb. 18, 2024~ Mar. 16, 2024	Sep. 10, 2024	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Apr. 09, 2023	Feb. 18, 2024~ Mar. 16, 2024	Apr. 08, 2024	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00251694	1GHz~18GHz	Jul. 12, 2023	Feb. 18, 2024~ Mar. 16, 2024	Jul. 11, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2024	Feb. 18, 2024~ Mar. 16, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz-1GHz	Jul. 06, 2023	Feb. 18, 2024~ Mar. 16, 2024	Jul. 05, 2024	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2024	Feb. 18, 2024~ Mar. 16, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 10, 2023	Feb. 18, 2024~ Mar. 16, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 10, 2023	Feb. 18, 2024~ Mar. 16, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Feb. 18, 2024~ Mar. 16, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 18, 2024~ Mar. 16, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Feb. 18, 2024~ Mar. 16, 2024	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

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 Spurious Emission & Bandedge	±2.26 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.46 dB
Peak to Average Ratio	±0.46 dB
Frequency Stability	±0.4 Hz

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.82 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.56 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.54 dB

---------- THE END ----------

Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23℃
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 41_Ant.4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	25.68	25.85	25.79	0.4150	0.4315	0.4256
20	QPSK	1	99	25.61	25.72	25.61	0.4083	0.4188	0.4083
20	QPSK	100	0	24.60	24.71	24.69	0.3236	0.3319	0.3304
20	16QAM	1	0	24.59	24.61	24.57	0.3228	0.3243	0.3214
20	64QAM	1	0	23.70	23.79	23.73	0.2630	0.2685	0.2649
20	256QAM	1	0	20.58	20.61	20.56	0.1282	0.1291	0.1276
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	25.62	25.76	25.68	0.4093	0.4227	0.4150
15	16QAM	1	0	24.49	24.58	24.53	0.3155	0.3221	0.3184
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	25.57	25.82	25.66	0.4046	0.4285	0.4130
10	16QAM	1	0	24.53	24.54	24.55	0.3184	0.3192	0.3199
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	25.62	25.82	25.77	0.4093	0.4285	0.4236
5	16QAM	1	0	24.48	24.55	24.47	0.3148	0.3199	0.3141

LTE Band 71_Ant.0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688	L	M	H
20	QPSK	1	0	22.44	22.47	22.43	0.0338	0.0340	0.0337
20	QPSK	1	99	22.31	22.34	22.27	0.0328	0.0330	0.0325
20	QPSK	100	0	21.34	21.43	21.38	0.0262	0.0268	0.0265
20	16QAM	1	0	21.65	21.72	21.62	0.0282	0.0286	0.0280
20	64QAM	1	0	20.45	20.51	20.45	0.0214	0.0217	0.0214
20	256QAM	1	0	17.54	17.59	17.51	0.0109	0.0111	0.0109
Channel				133197	133297	133397	ERP(W)		
Frequency (MHz)				670.5	680.5	690.5	L	M	H
15	QPSK	1	0	22.32	22.34	22.30	0.0329	0.0330	0.0327
15	16QAM	1	0	21.57	21.61	21.50	0.0277	0.0279	0.0272
Channel				133172	133272	133422	ERP(W)		
Frequency (MHz)				668	678	693	L	M	H
10	QPSK	1	0	22.38	22.33	22.40	0.0333	0.0330	0.0335
10	16QAM	1	0	21.54	21.61	21.57	0.0275	0.0279	0.0277
Channel				133147	133247	133447	ERP(W)		
Frequency (MHz)				665.5	675.5	695.5	L	M	H
5	QPSK	1	0	22.37	22.35	22.36	0.0333	0.0331	0.0332
5	16QAM	1	0	21.53	21.61	21.49	0.0274	0.0279	0.0272

:

LTE CA_41C_ANT1:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	15.98	0.0199
M	QPSK	1	Max	1	0	16.01	0.0200
H	QPSK	1	Max	1	0	15.94	0.0197
L	16QAM	1	Max	1	0	15.05	0.0160
M	16QAM	1	Max	1	0	15.27	0.0169
H	16QAM	1	Max	1	0	15.13	0.0163
L	64QAM	1	Max	1	0	14.30	0.0135
M	64QAM	1	Max	1	0	14.52	0.0142
H	64QAM	1	Max	1	0	14.27	0.0134
L	256QAM	1	Max	1	0	11.04	0.0064
M	256QAM	1	Max	1	0	11.14	0.0065
H	256QAM	1	Max	1	0	11.03	0.0064
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.96	0.0198
M	16QAM	1	Max	1	0	15.13	0.0163
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.85	0.0193
M	16QAM	1	Max	1	0	15.02	0.0159
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.89	0.0195
M	16QAM	1	Max	1	0	15.13	0.0163
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.92	0.0196
M	16QAM	1	Max	1	0	15.24	0.0167
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.82	0.0191
M	16QAM	1	Max	1	0	15.13	0.0163
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.88	0.0194
M	16QAM	1	Max	1	0	15.02	0.0159
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.87	0.0194

M	16QAM	1	Max	1	0	15.03	0.0160
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.89	0.0195
M	16QAM	1	Max	1	0	15.00	0.0158
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	15.93	0.0196
M	16QAM	1	Max	1	0	15.17	0.0165

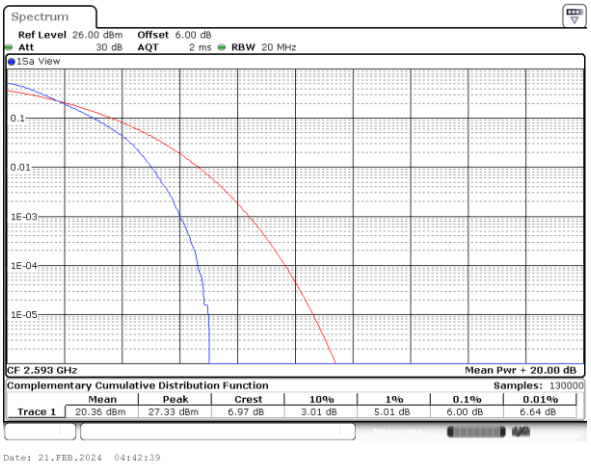
LTE Band 41(Main PA)

Peak-to-Average Ratio

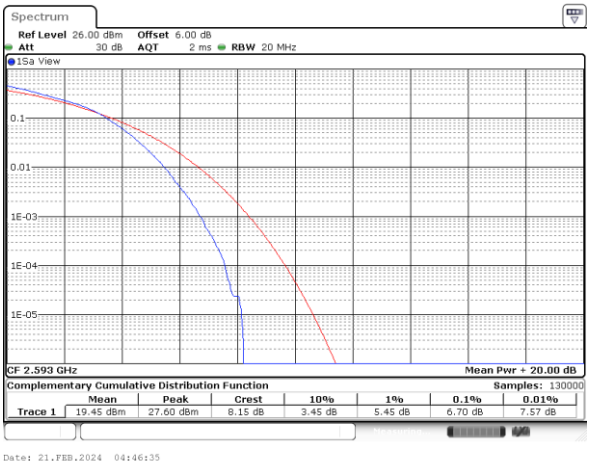
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.00	6.70	7.51	7.65	PASS

LTE Band 41 / 20MHz

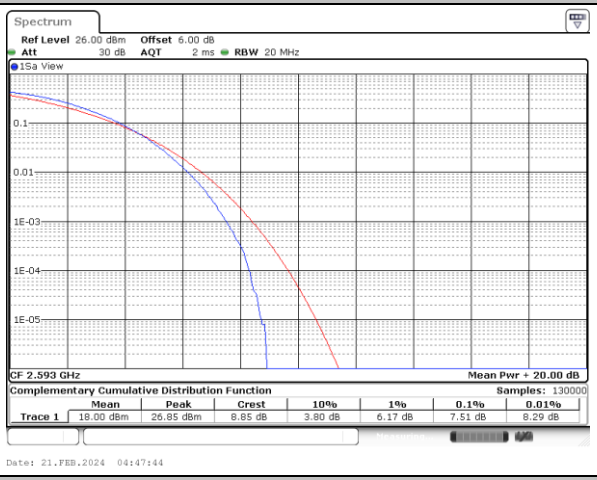
Middle Channel / Full RB / QPSK



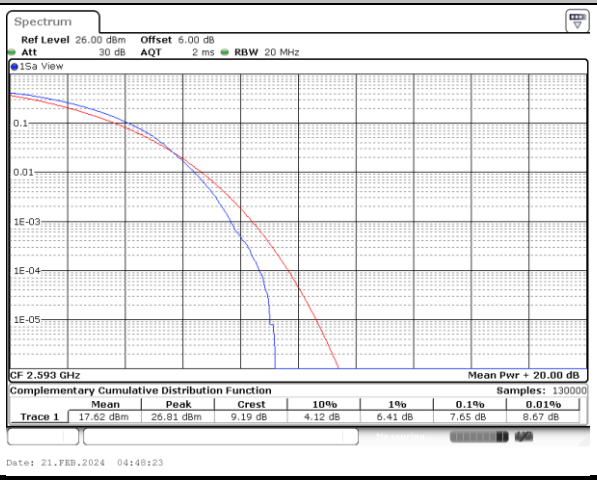
Middle Channel / Full RB / 16QAM



Middle Channel / Full RB / 64QAM



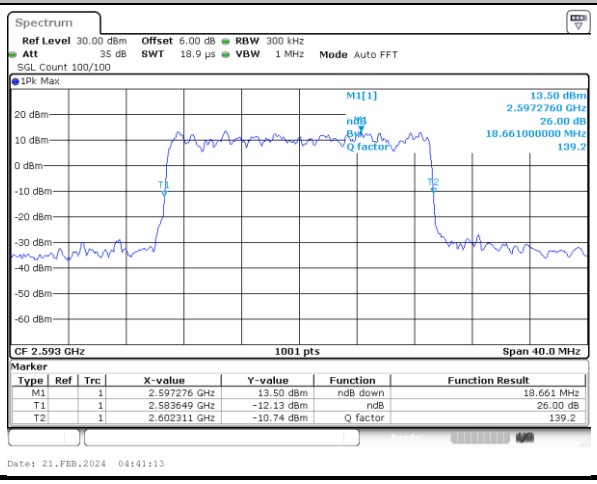
Middle Channel / Full RB / 256QAM

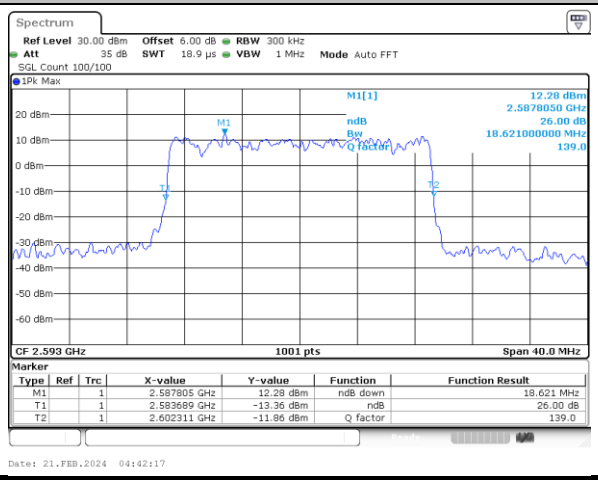


26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.66	18.62

LTE Band 41	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM



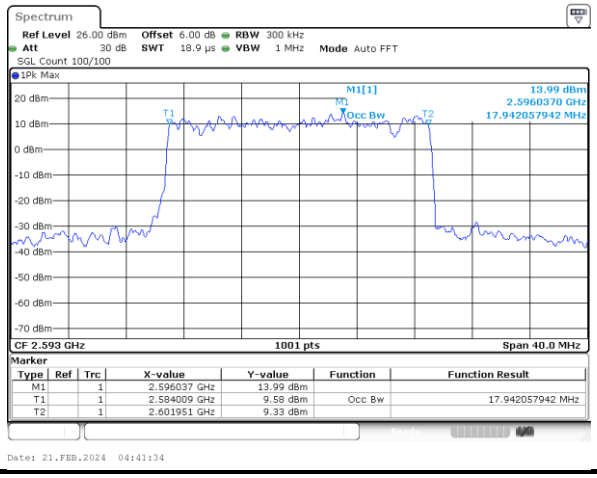


Occupied Bandwidth

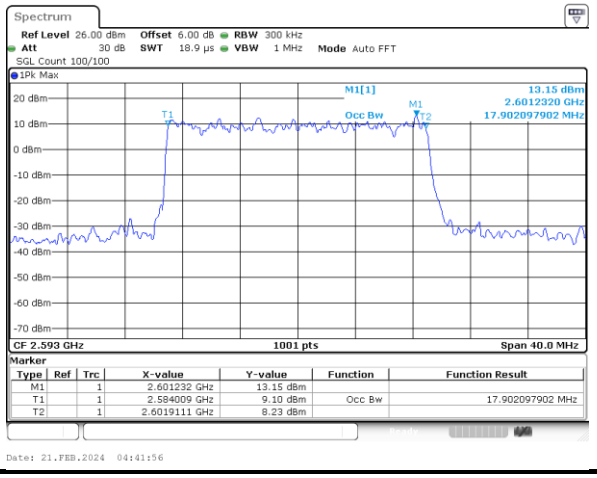
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90

LTE Band 41

Middle Channel / 20MHz / QPSK



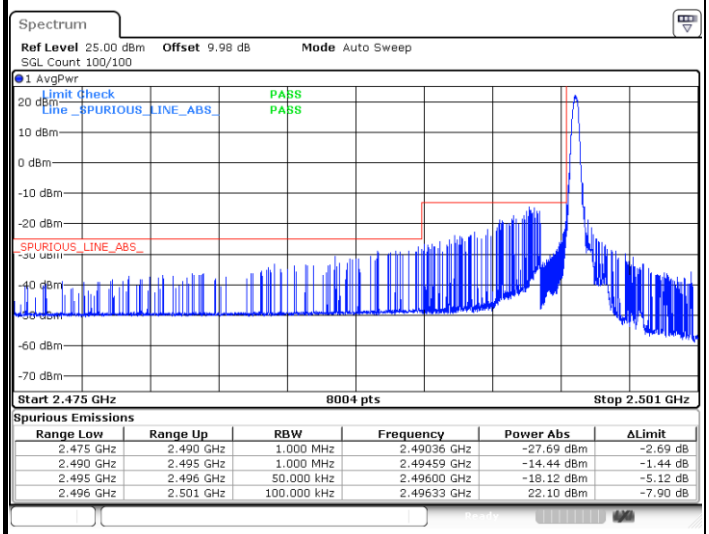
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB

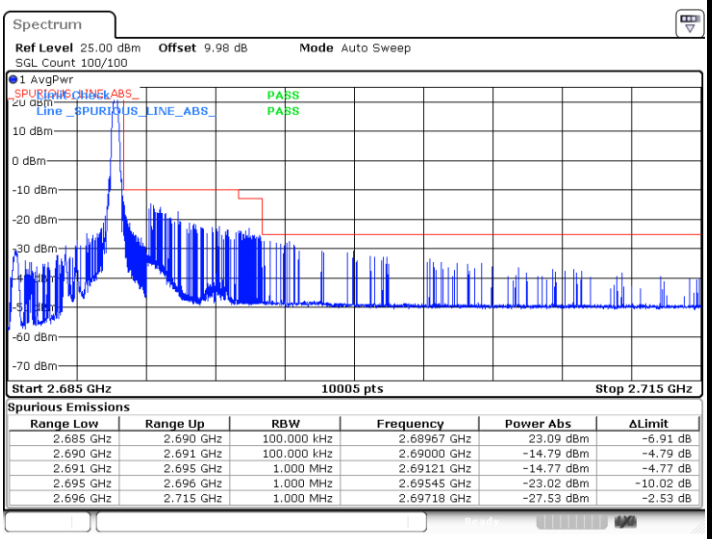


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-27.69 dBm	-2.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49459 GHz	-14.44 dBm	-1.44 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-18.12 dBm	-5.12 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49633 GHz	22.10 dBm	-7.90 dB

Date: 21.FEB.2024 03:19:08

Highest Band Edge / 1 RB

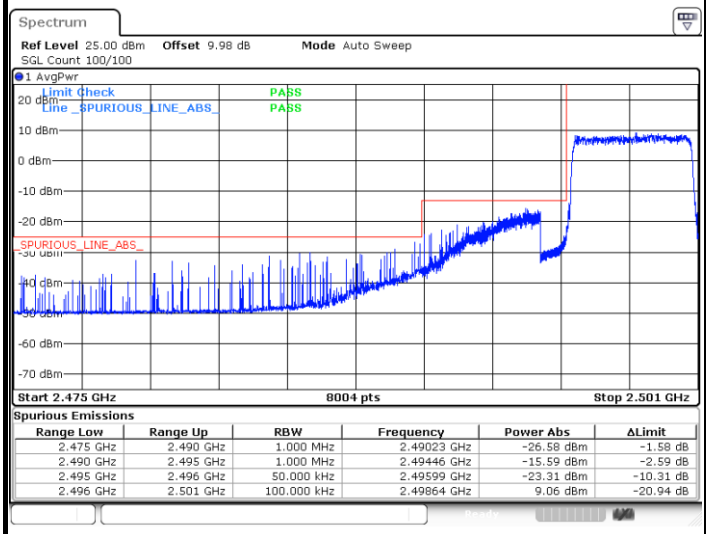


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68967 GHz	23.09 dBm	-6.91 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-14.79 dBm	-4.79 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-14.77 dBm	-4.77 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69545 GHz	-23.02 dBm	-10.02 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69718 GHz	-27.53 dBm	-2.53 dB

Date: 21.FEB.2024 03:29:30

Lowest Band Edge / Full RB

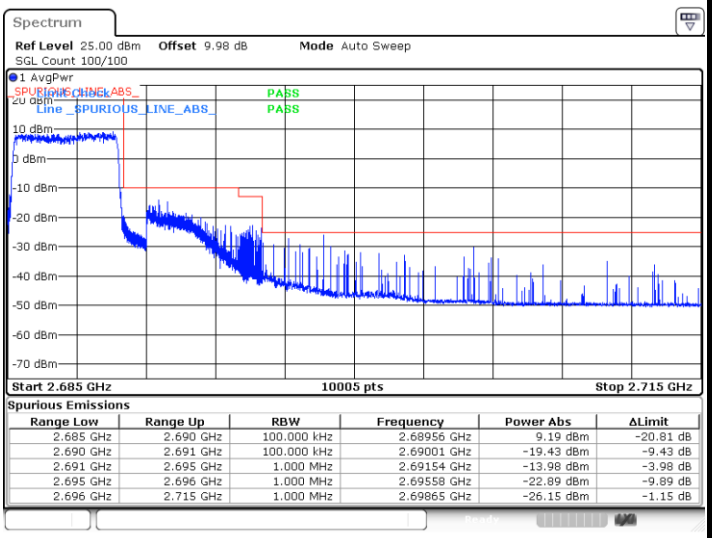


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-26.58 dBm	-1.58 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49446 GHz	-15.59 dBm	-2.59 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-23.31 dBm	-10.31 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49864 GHz	9.06 dBm	-20.94 dB

Date: 21.FEB.2024 03:22:22

Highest Band Edge / Full RB



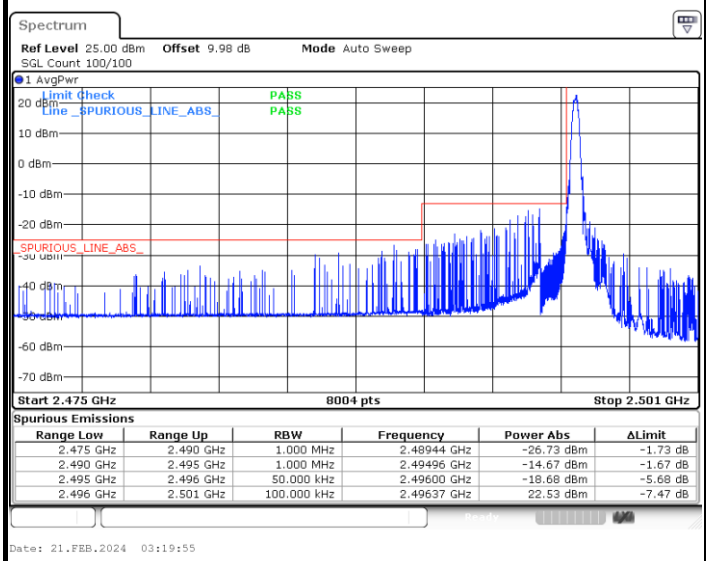
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68956 GHz	9.19 dBm	-20.81 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-19.43 dBm	-9.43 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69154 GHz	-13.98 dBm	-3.98 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69558 GHz	-22.89 dBm	-9.89 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69865 GHz	-26.15 dBm	-1.15 dB

Date: 21.FEB.2024 04:54:04

LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

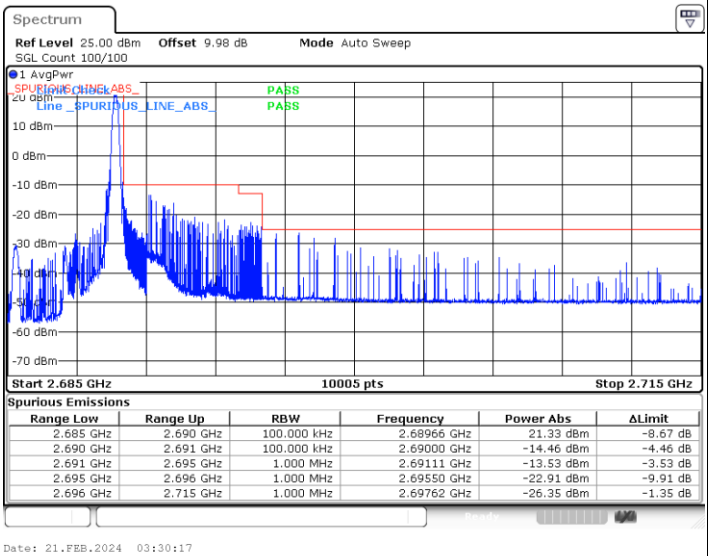


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48944 GHz	-26.73 dBm	-1.73 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-14.67 dBm	-1.67 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-18.68 dBm	-5.68 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49637 GHz	22.53 dBm	-7.47 dB

Date: 21.FEB.2024 03:19:55

Highest Band Edge / 1 RB

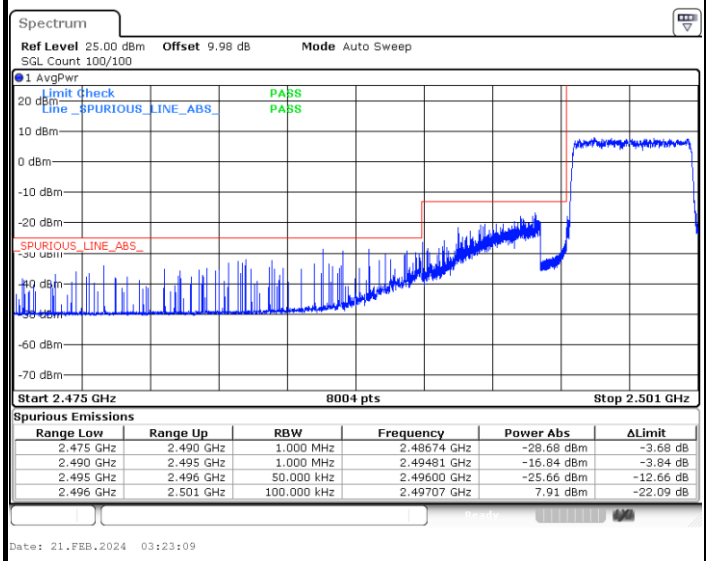


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68966 GHz	21.33 dBm	-8.67 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-14.46 dBm	-4.46 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-13.53 dBm	-3.53 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69550 GHz	-22.91 dBm	-9.91 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69762 GHz	-26.35 dBm	-1.35 dB

Date: 21.FEB.2024 03:30:17

Lowest Band Edge / Full RB

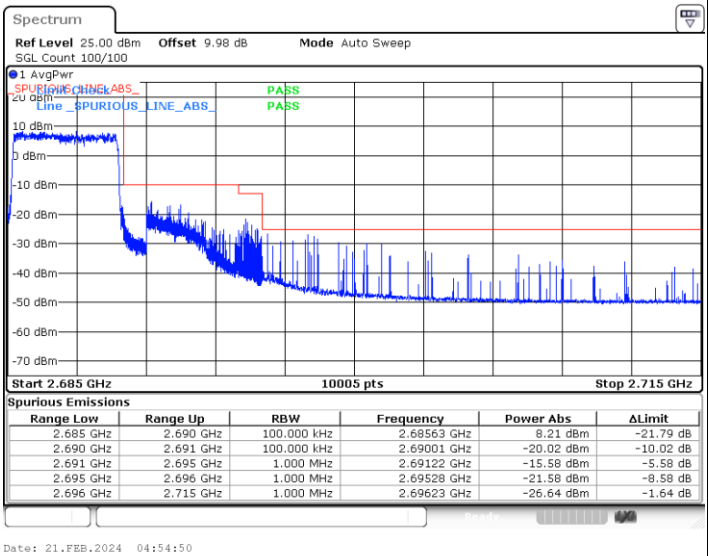


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48674 GHz	-28.68 dBm	-3.68 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49481 GHz	-16.84 dBm	-3.84 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-25.66 dBm	-12.66 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49707 GHz	7.91 dBm	-22.09 dB

Date: 21.FEB.2024 03:23:09

Highest Band Edge / Full RB



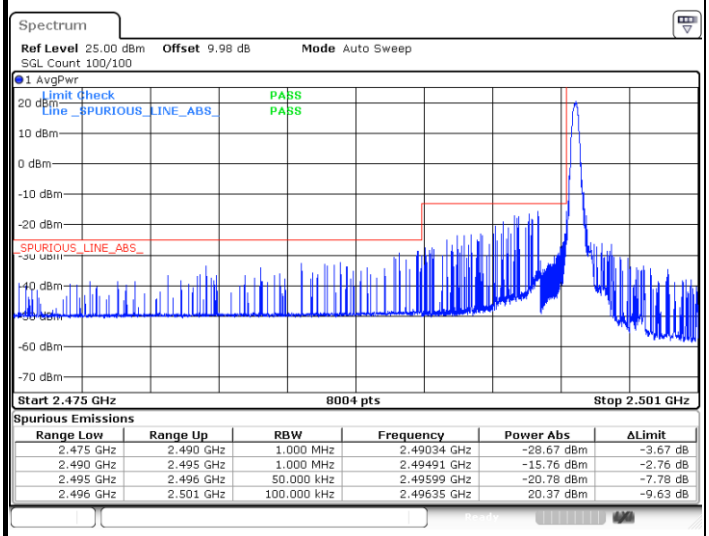
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68563 GHz	8.21 dBm	-21.79 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-20.02 dBm	-10.02 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69122 GHz	-15.58 dBm	-5.58 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69528 GHz	-21.58 dBm	-8.58 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69623 GHz	-26.64 dBm	-1.64 dB

Date: 21.FEB.2024 04:54:50

LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB

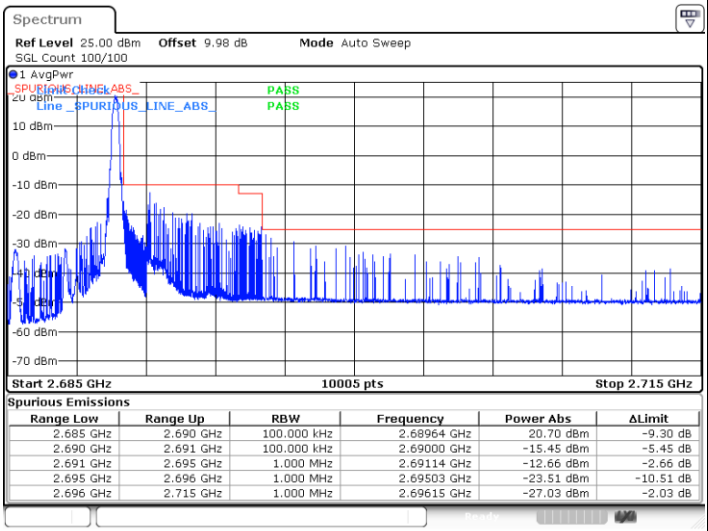


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49034 GHz	-28.67 dBm	-3.67 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-15.76 dBm	-2.76 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-20.78 dBm	-7.78 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49635 GHz	20.37 dBm	-9.63 dB

Date: 21.FEB.2024 04:53:18

Highest Band Edge / 1 RB

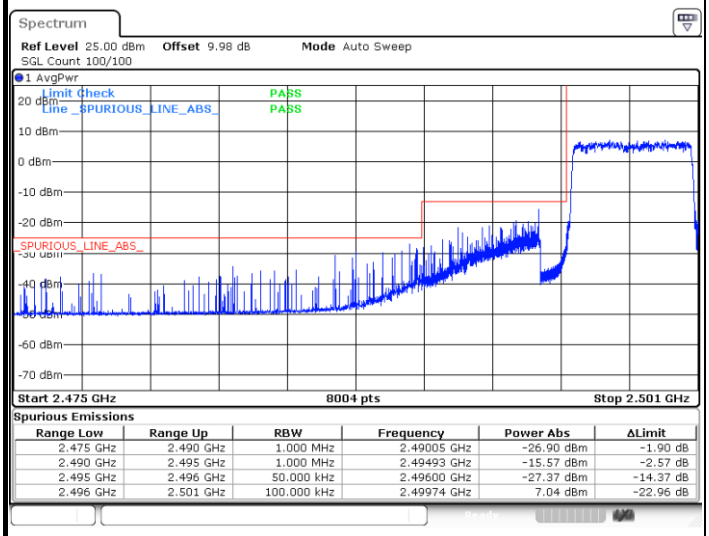


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68964 GHz	20.70 dBm	-9.30 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-15.45 dBm	-5.45 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69114 GHz	-12.66 dBm	-2.66 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69503 GHz	-23.51 dBm	-10.51 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69615 GHz	-27.03 dBm	-2.03 dB

Date: 21.FEB.2024 03:31:03

Lowest Band Edge / Full RB

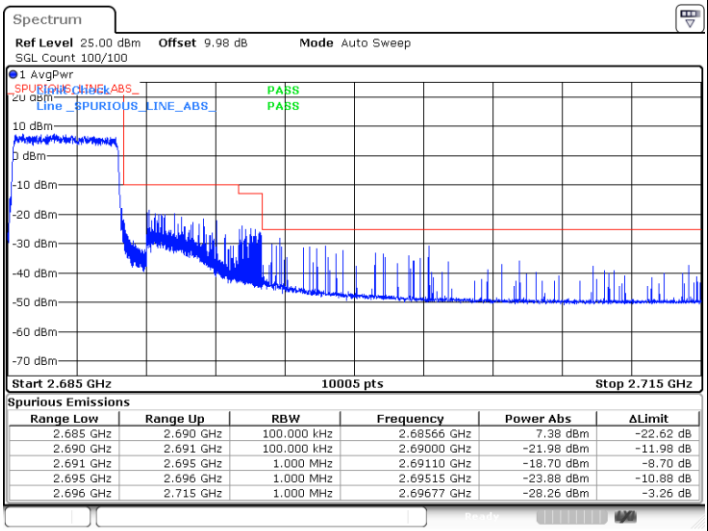


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49005 GHz	-26.90 dBm	-1.90 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-15.57 dBm	-2.57 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-27.37 dBm	-14.37 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49974 GHz	7.04 dBm	-22.96 dB

Date: 21.FEB.2024 03:23:57

Highest Band Edge / Full RB



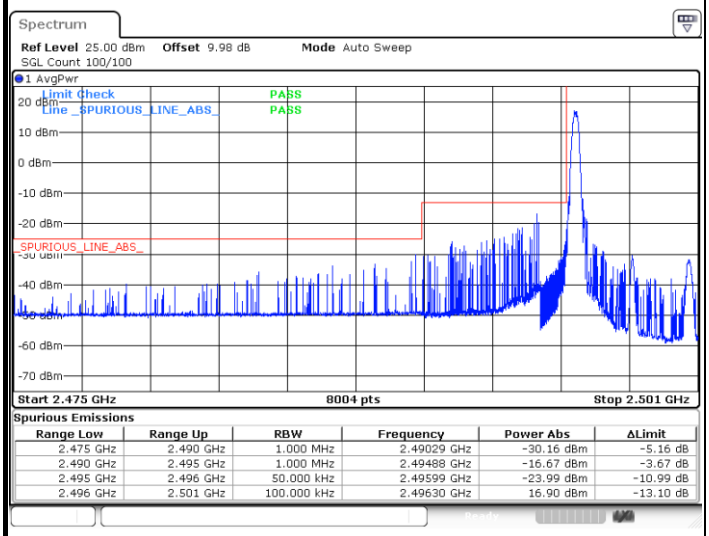
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68566 GHz	7.38 dBm	-22.62 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-21.98 dBm	-11.98 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69110 GHz	-18.70 dBm	-8.70 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69515 GHz	-23.88 dBm	-10.88 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69677 GHz	-28.26 dBm	-3.26 dB

Date: 21.FEB.2024 03:34:09

LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB

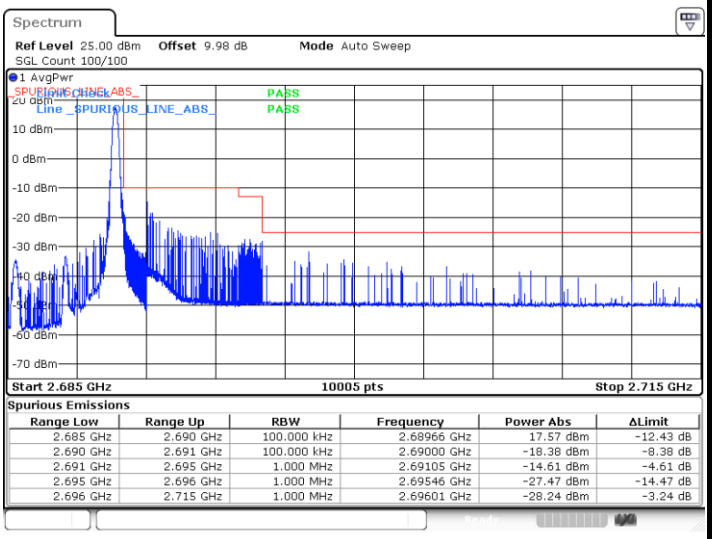


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49029 GHz	-30.16 dBm	-5.16 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-16.67 dBm	-3.67 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-23.99 dBm	-10.99 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49630 GHz	16.90 dBm	-13.10 dB

Date: 21.FEB.2024 03:21:31

Highest Band Edge / 1 RB

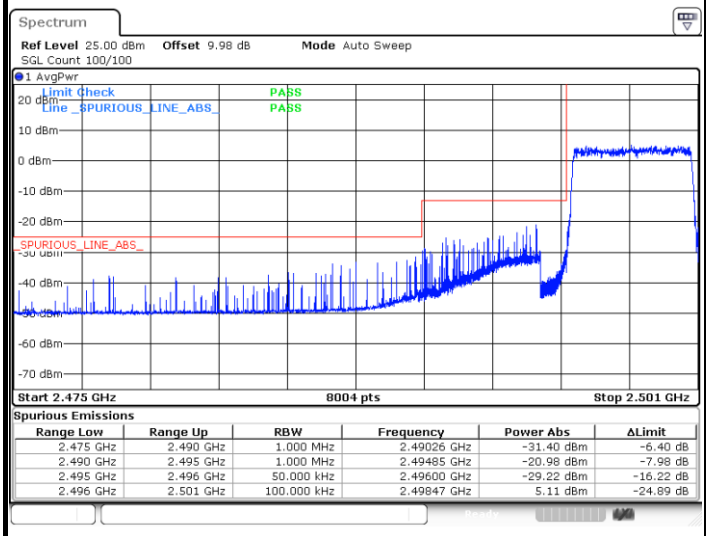


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68966 GHz	17.57 dBm	-12.43 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-18.38 dBm	-8.38 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-14.61 dBm	-4.61 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69546 GHz	-27.47 dBm	-14.47 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69601 GHz	-28.24 dBm	-3.24 dB

Date: 21.FEB.2024 03:31:48

Lowest Band Edge / Full RB

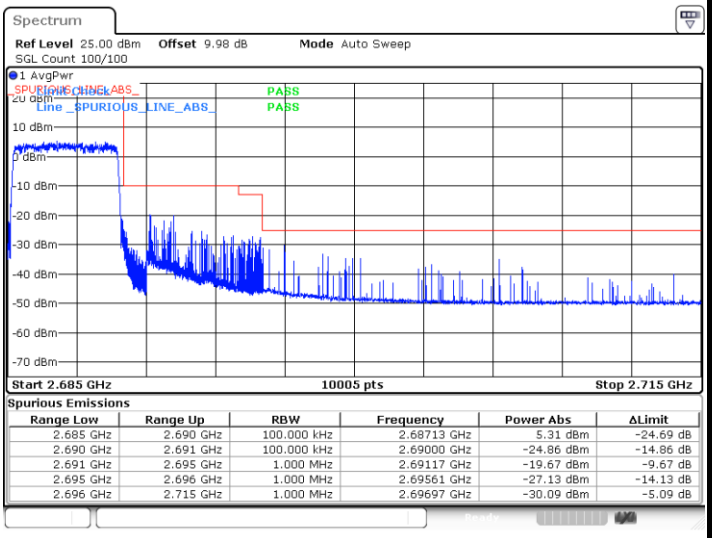


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49026 GHz	-31.40 dBm	-6.40 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49485 GHz	-20.98 dBm	-7.98 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-29.22 dBm	-16.22 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49847 GHz	5.11 dBm	-24.89 dB

Date: 21.FEB.2024 03:24:45

Highest Band Edge / Full RB



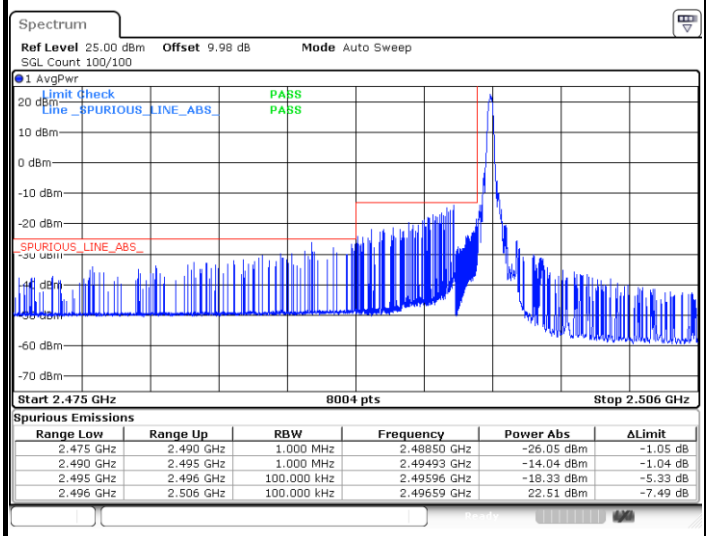
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68713 GHz	5.31 dBm	-24.69 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-24.86 dBm	-14.86 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-19.67 dBm	-9.67 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69561 GHz	-27.13 dBm	-14.13 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69697 GHz	-30.09 dBm	-5.09 dB

Date: 21.FEB.2024 03:34:55

LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

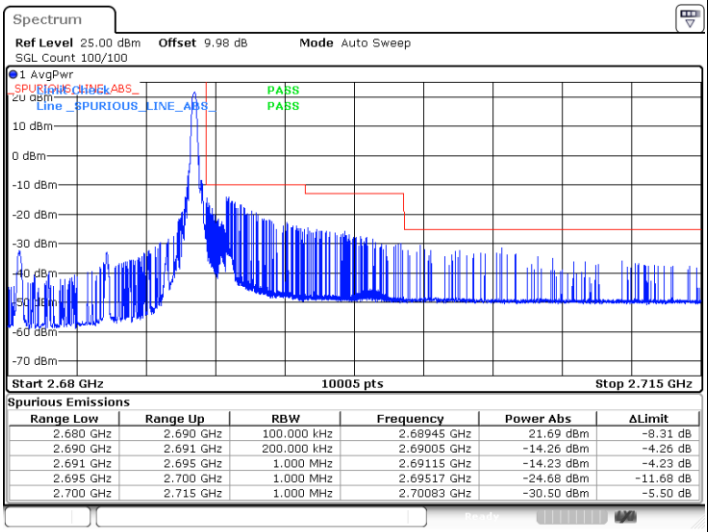


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48850 GHz	-26.05 dBm	-1.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-14.04 dBm	-1.04 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49596 GHz	-18.33 dBm	-5.33 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49659 GHz	22.51 dBm	-7.49 dB

Date: 21.FEB.2024 05:00:43

Highest Band Edge / 1 RB

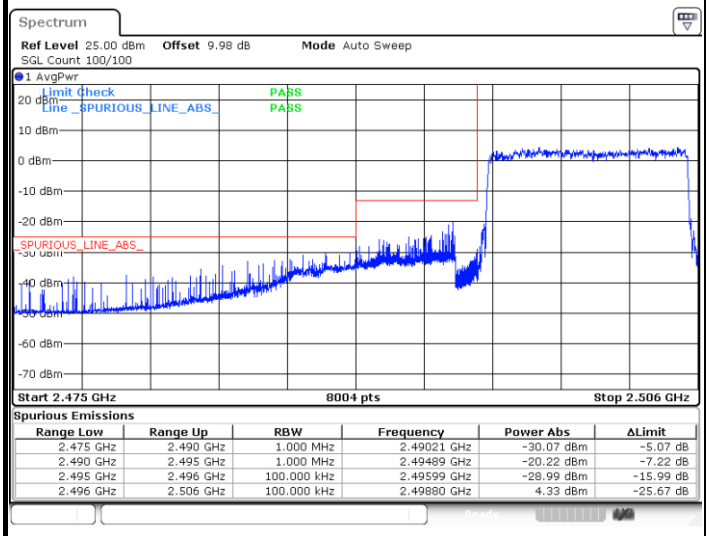


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68945 GHz	21.69 dBm	-8.31 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69005 GHz	-14.26 dBm	-4.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-14.23 dBm	-4.23 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69517 GHz	-24.68 dBm	-11.68 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70083 GHz	-30.50 dBm	-5.50 dB

Date: 21.FEB.2024 03:54:49

Lowest Band Edge / Full RB

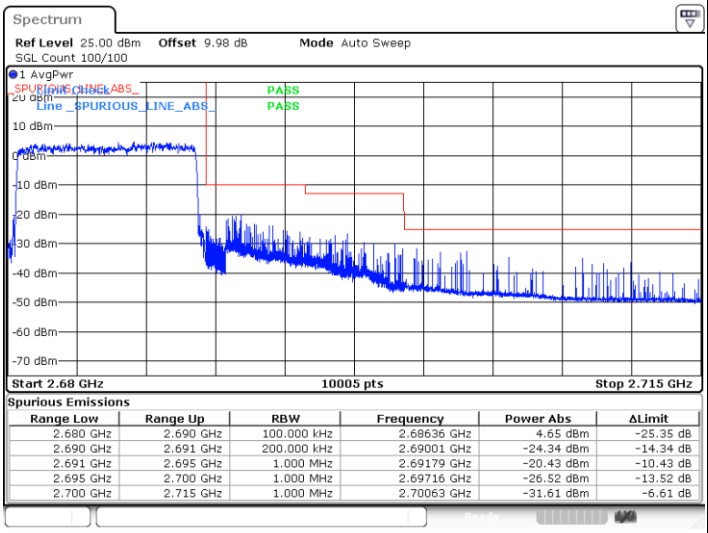


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49021 GHz	-30.07 dBm	-5.07 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49489 GHz	-20.22 dBm	-7.22 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-28.99 dBm	-15.99 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49880 GHz	4.33 dBm	-25.67 dB

Date: 21.FEB.2024 03:47:42

Highest Band Edge / Full RB



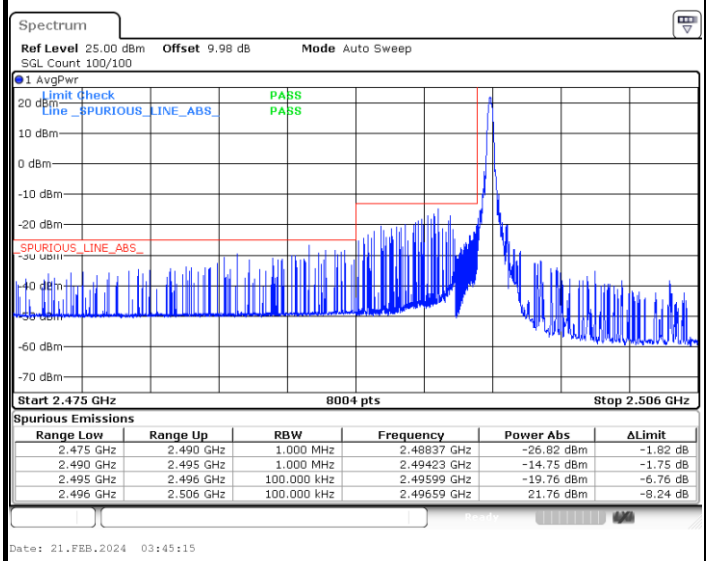
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68636 GHz	4.65 dBm	-25.35 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-24.34 dBm	-14.34 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69179 GHz	-20.43 dBm	-10.43 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69716 GHz	-26.52 dBm	-13.52 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70063 GHz	-31.61 dBm	-6.61 dB

Date: 21.FEB.2024 03:57:55

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

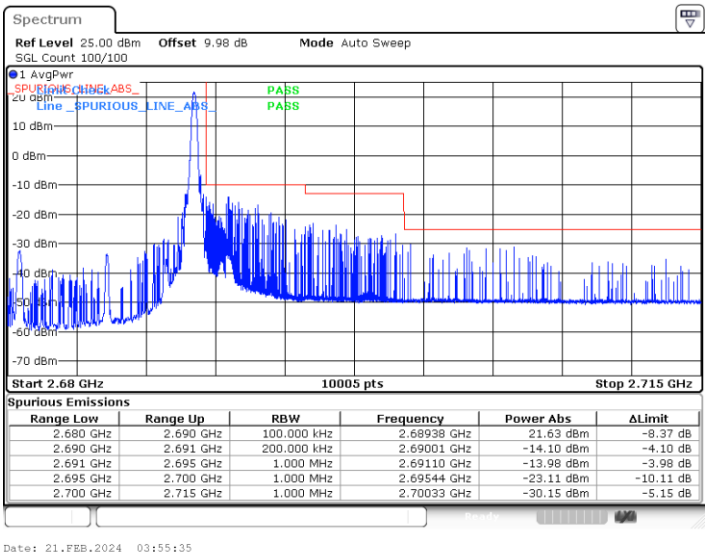


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48837 GHz	-26.82 dBm	-1.82 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49423 GHz	-14.75 dBm	-1.75 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-19.76 dBm	-6.76 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49659 GHz	21.76 dBm	-8.24 dB

Date: 21.FEB.2024 03:45:15

Highest Band Edge / 1 RB

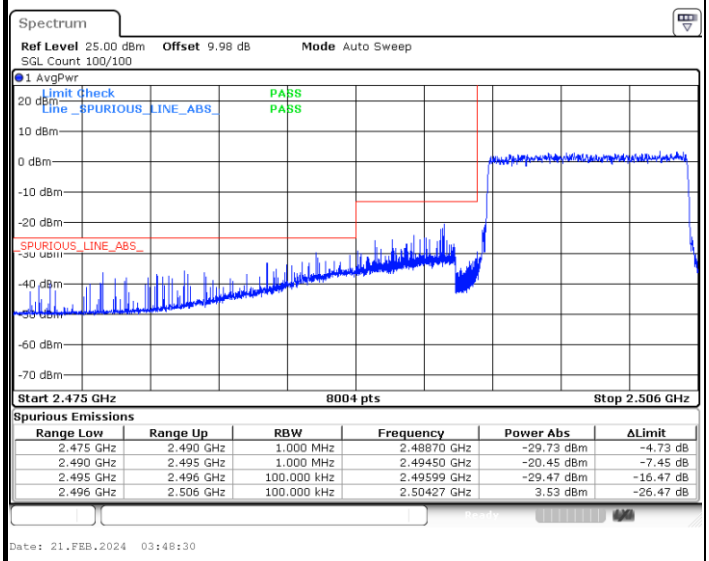


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68938 GHz	21.63 dBm	-8.37 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-14.10 dBm	-4.10 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69110 GHz	-13.98 dBm	-3.98 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69544 GHz	-23.11 dBm	-10.11 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70033 GHz	-30.15 dBm	-5.15 dB

Date: 21.FEB.2024 03:55:35

Lowest Band Edge / Full RB

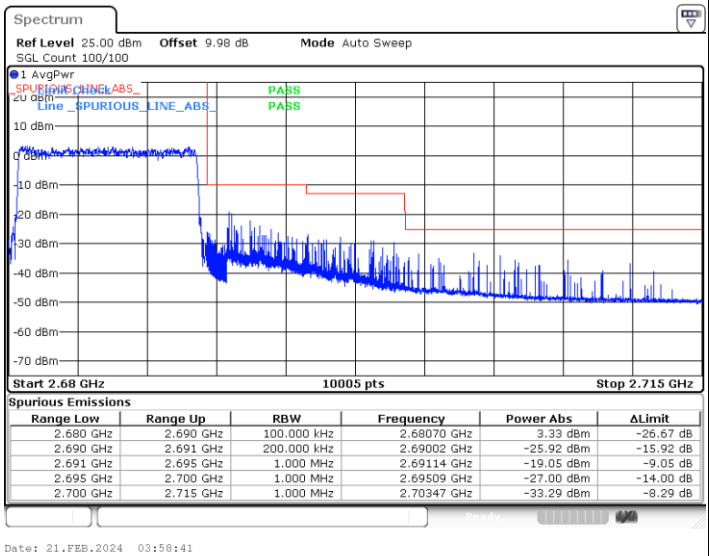


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48870 GHz	-29.73 dBm	-4.73 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49450 GHz	-20.45 dBm	-7.45 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-29.47 dBm	-16.47 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50427 GHz	3.53 dBm	-26.47 dB

Date: 21.FEB.2024 03:48:30

Highest Band Edge / Full RB



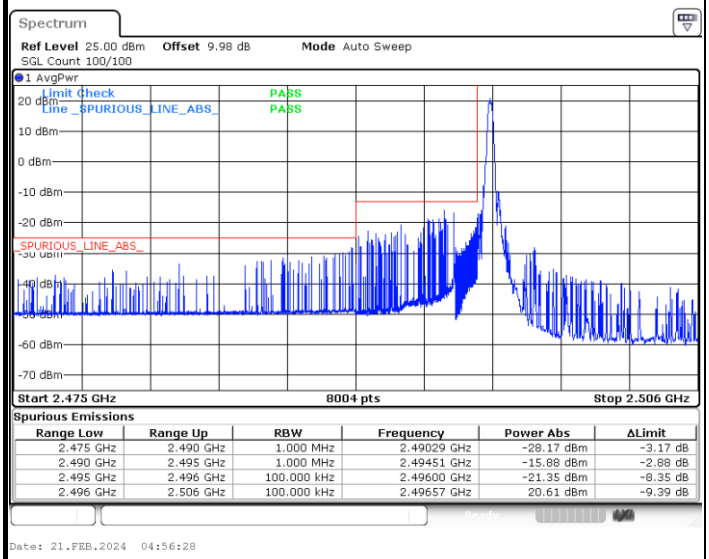
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68070 GHz	3.33 dBm	-26.67 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69002 GHz	-25.92 dBm	-15.92 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69114 GHz	-19.05 dBm	-9.05 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69509 GHz	-27.00 dBm	-14.00 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70347 GHz	-33.29 dBm	-8.29 dB

Date: 21.FEB.2024 03:58:41

LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

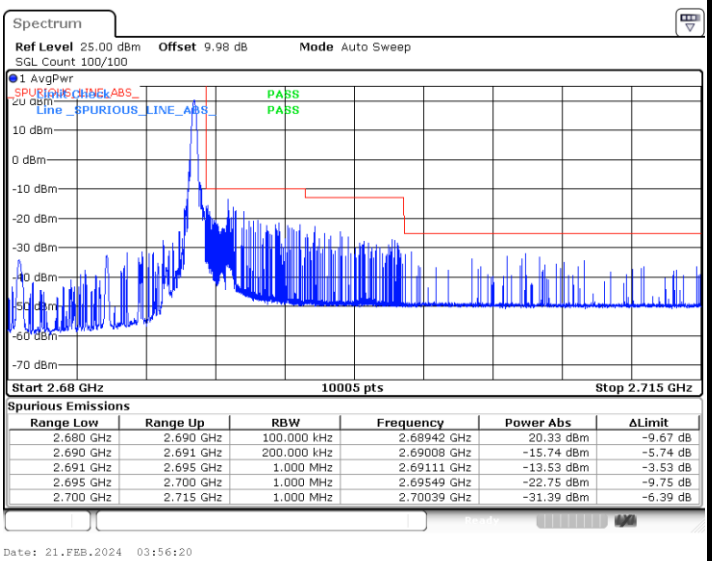


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49029 GHz	-28.17 dBm	-3.17 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49451 GHz	-15.88 dBm	-2.88 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-21.35 dBm	-8.35 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49657 GHz	20.61 dBm	-9.39 dB

Date: 21.FEB.2024 04:56:28

Highest Band Edge / 1 RB

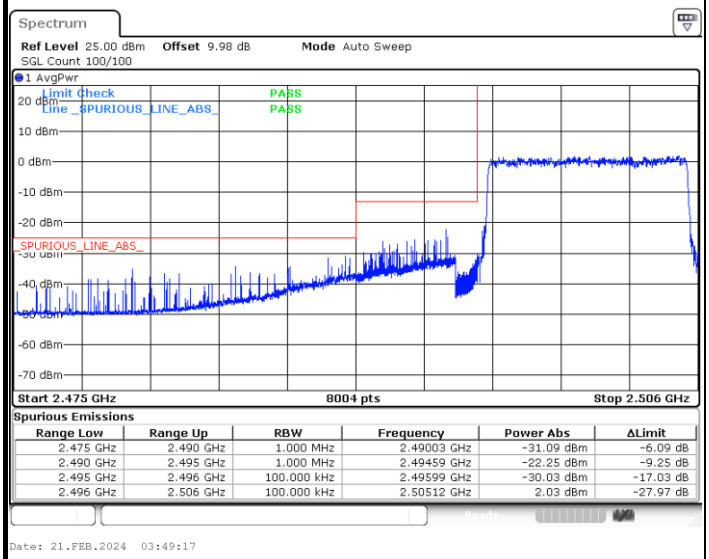


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68942 GHz	20.33 dBm	-9.67 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69008 GHz	-15.74 dBm	-5.74 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-13.53 dBm	-3.53 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69549 GHz	-22.75 dBm	-9.75 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70039 GHz	-31.39 dBm	-6.39 dB

Date: 21.FEB.2024 03:56:20

Lowest Band Edge / Full RB

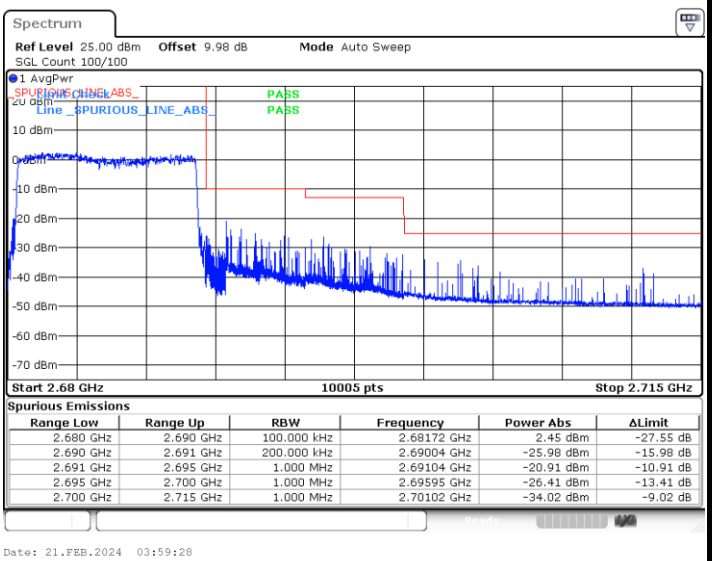


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49003 GHz	-31.09 dBm	-6.09 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49459 GHz	-22.25 dBm	-9.25 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-30.03 dBm	-17.03 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50512 GHz	2.03 dBm	-27.97 dB

Date: 21.FEB.2024 03:49:17

Highest Band Edge / Full RB



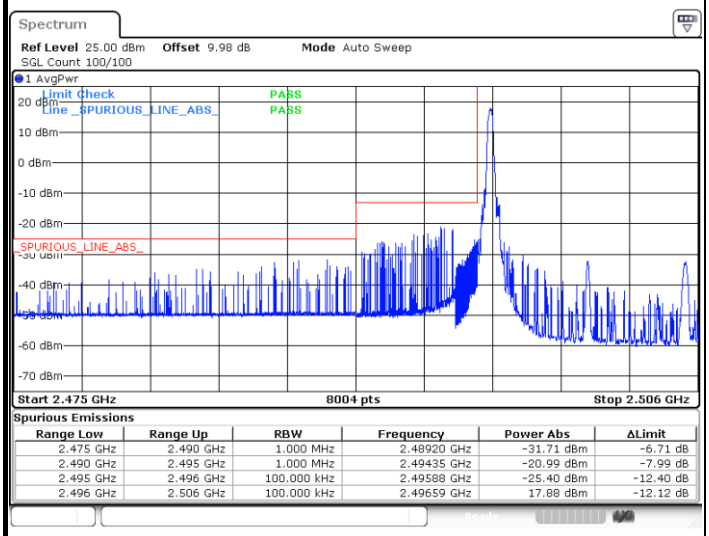
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68172 GHz	2.45 dBm	-27.55 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69004 GHz	-25.98 dBm	-15.98 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-20.91 dBm	-10.91 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69595 GHz	-26.41 dBm	-13.41 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70102 GHz	-34.02 dBm	-9.02 dB

Date: 21.FEB.2024 03:59:28

LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB

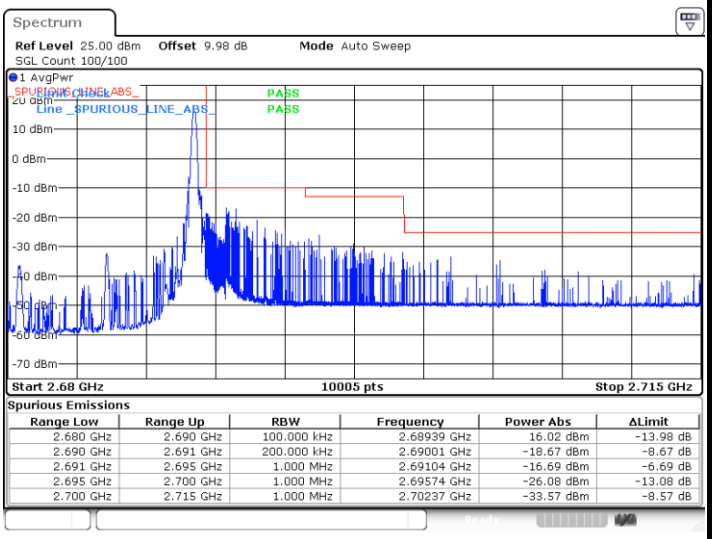


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48920 GHz	-31.71 dBm	-6.71 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49435 GHz	-20.99 dBm	-7.99 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49588 GHz	-25.40 dBm	-12.40 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49659 GHz	17.88 dBm	-12.12 dB

Date: 21.FEB.2024 03:46:51

Highest Band Edge / 1 RB

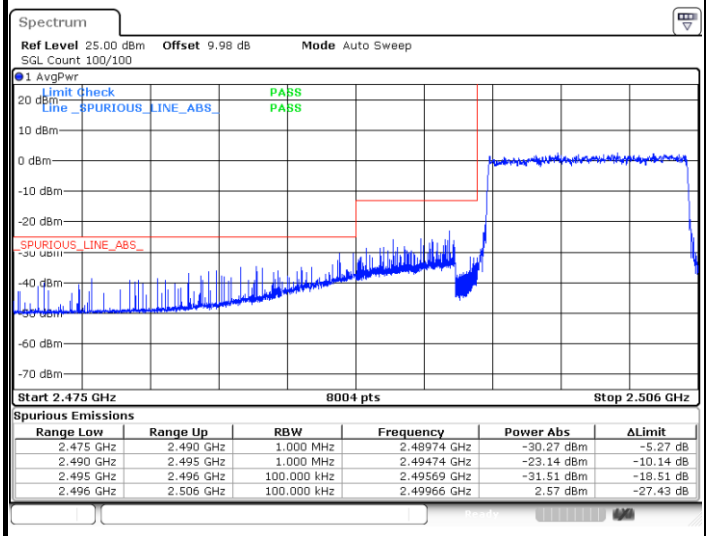


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68939 GHz	16.02 dBm	-13.98 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-18.67 dBm	-8.67 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-16.69 dBm	-6.69 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69574 GHz	-26.08 dBm	-13.08 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70237 GHz	-33.57 dBm	-8.57 dB

Date: 21.FEB.2024 03:57:06

Lowest Band Edge / Full RB

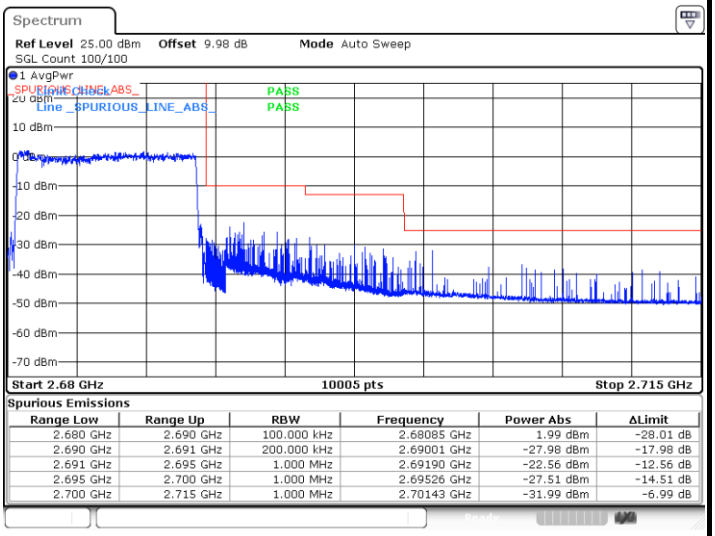


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48974 GHz	-30.27 dBm	-5.27 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49474 GHz	-23.14 dBm	-10.14 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49569 GHz	-31.51 dBm	-18.51 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49966 GHz	2.57 dBm	-27.43 dB

Date: 21.FEB.2024 03:50:04

Highest Band Edge / Full RB



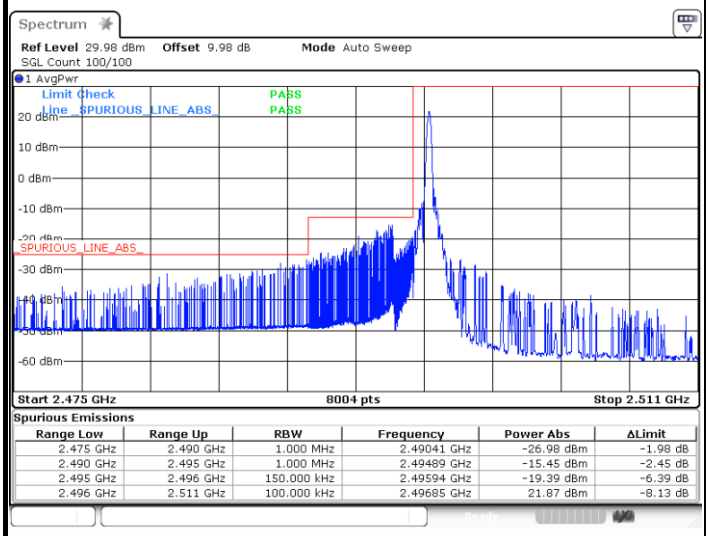
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68085 GHz	1.99 dBm	-28.01 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-27.98 dBm	-17.98 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69190 GHz	-22.56 dBm	-12.56 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69526 GHz	-27.51 dBm	-14.51 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70143 GHz	-31.99 dBm	-6.99 dB

Date: 21.FEB.2024 04:00:14

LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

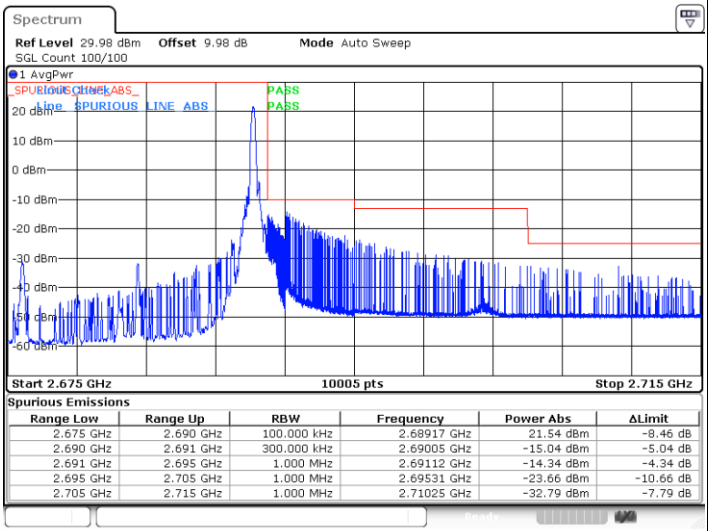


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49041 GHz	-26.98 dBm	-1.98 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49489 GHz	-15.45 dBm	-2.45 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49594 GHz	-19.39 dBm	-6.39 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49685 GHz	21.87 dBm	-8.13 dB

Date: 21.FEB.2024 05:02:00

Highest Band Edge / 1 RB

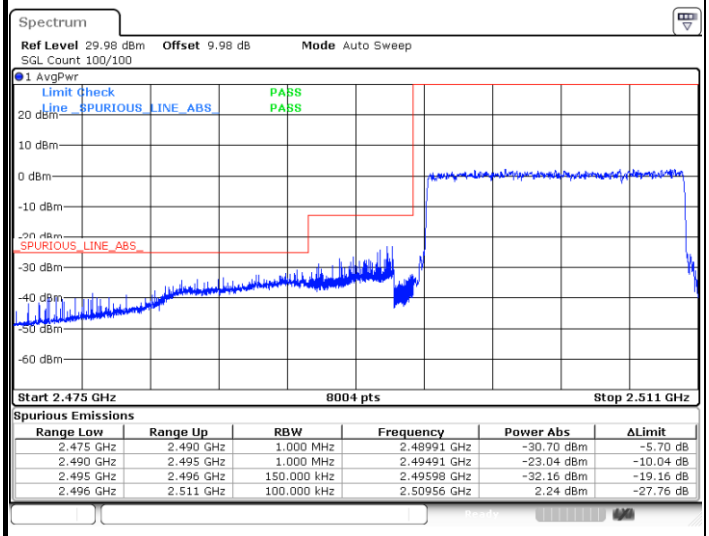


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68917 GHz	21.54 dBm	-8.46 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69005 GHz	-15.04 dBm	-5.04 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69112 GHz	-14.34 dBm	-4.34 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69531 GHz	-23.66 dBm	-10.66 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.71025 GHz	-32.79 dBm	-7.79 dB

Date: 21.FEB.2024 04:12:48

Lowest Band Edge / Full RB

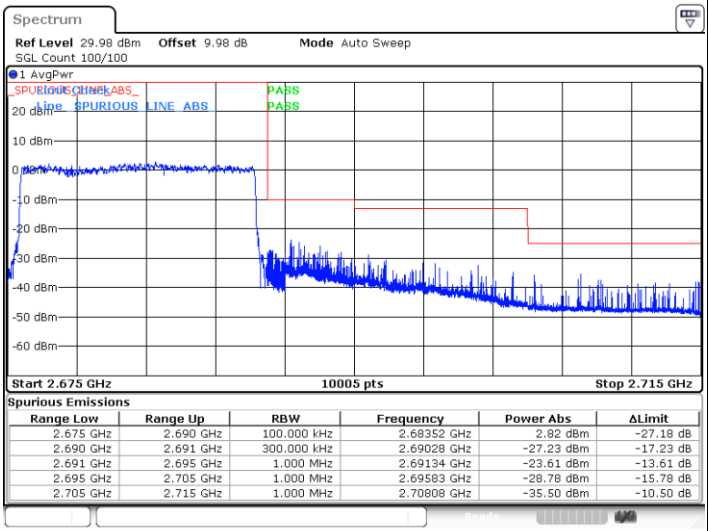


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48991 GHz	-30.70 dBm	-5.70 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-23.04 dBm	-10.04 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49598 GHz	-32.16 dBm	-19.16 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50956 GHz	2.24 dBm	-27.76 dB

Date: 21.FEB.2024 04:05:41

Highest Band Edge / Full RB



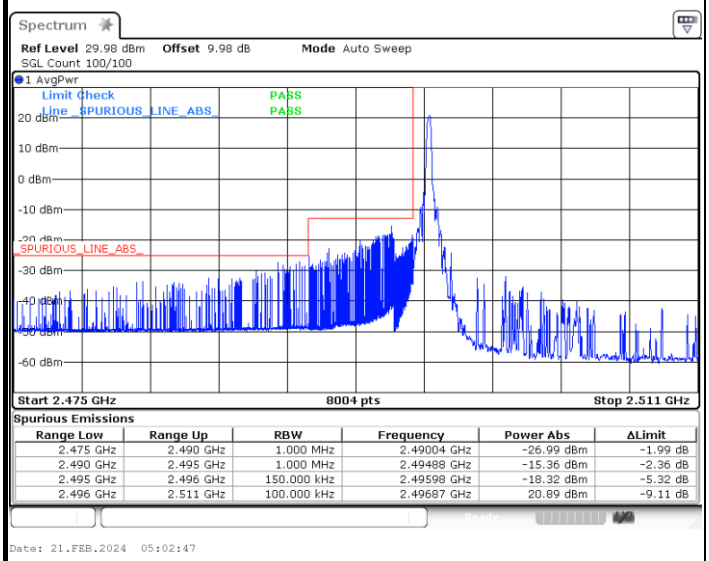
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68352 GHz	2.82 dBm	-27.18 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69028 GHz	-27.23 dBm	-17.23 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69134 GHz	-23.61 dBm	-13.61 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69583 GHz	-28.78 dBm	-15.78 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70808 GHz	-35.50 dBm	-10.50 dB

Date: 21.FEB.2024 04:15:54

LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

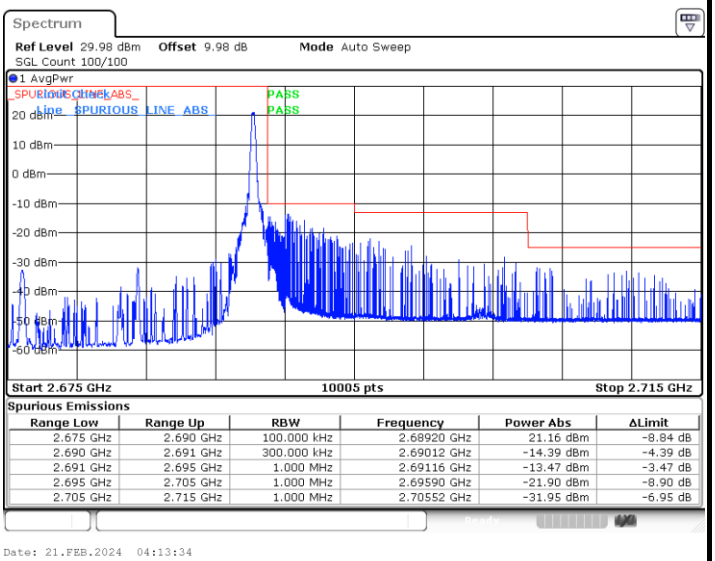


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49004 GHz	-26.99 dBm	-1.99 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-15.36 dBm	-2.36 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49598 GHz	-18.32 dBm	-5.32 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49687 GHz	20.89 dBm	-9.11 dB

Date: 21.FEB.2024 05:02:47

Highest Band Edge / 1 RB

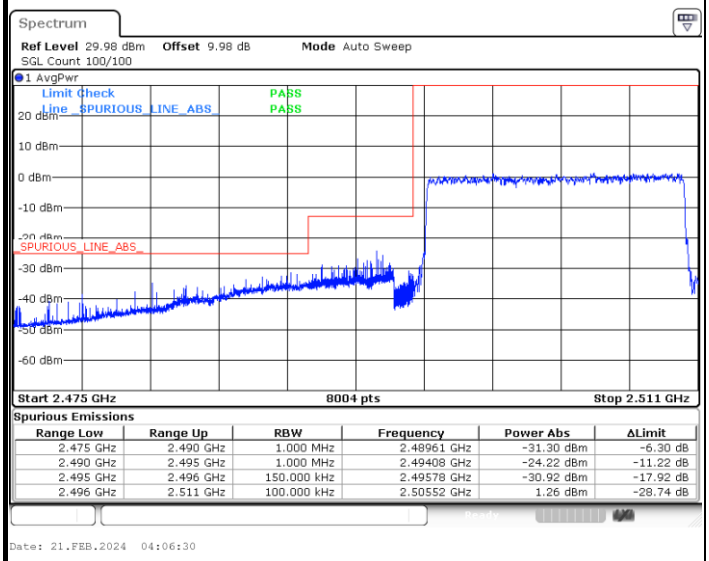


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68920 GHz	21.16 dBm	-8.84 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69012 GHz	-14.39 dBm	-4.39 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69116 GHz	-13.47 dBm	-3.47 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69590 GHz	-21.90 dBm	-8.90 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70552 GHz	-31.95 dBm	-6.95 dB

Date: 21.FEB.2024 04:13:34

Lowest Band Edge / Full RB

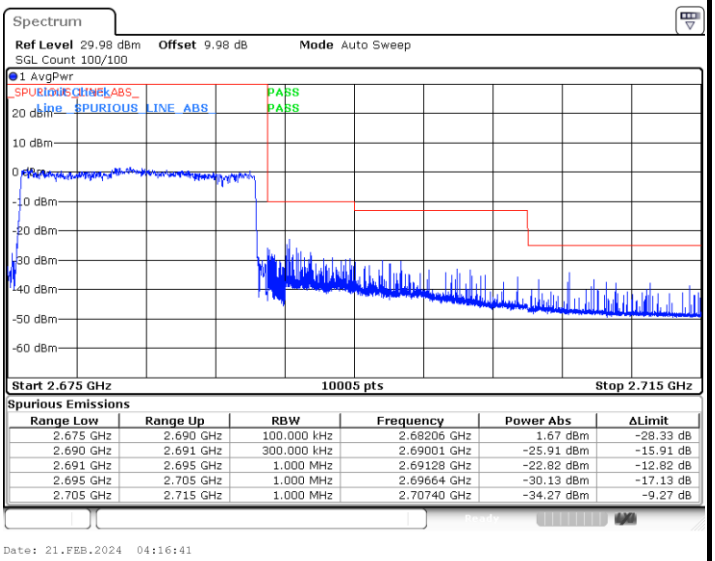


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48961 GHz	-31.30 dBm	-6.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49408 GHz	-24.22 dBm	-11.22 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49578 GHz	-30.92 dBm	-17.92 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50552 GHz	1.26 dBm	-28.74 dB

Date: 21.FEB.2024 04:06:30

Highest Band Edge / Full RB



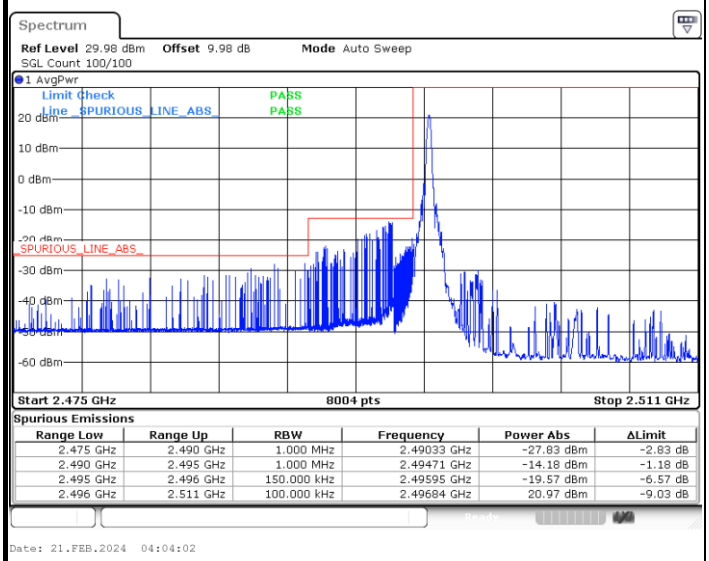
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68206 GHz	1.67 dBm	-28.33 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-25.91 dBm	-15.91 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69128 GHz	-22.82 dBm	-12.82 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69664 GHz	-30.13 dBm	-17.13 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70740 GHz	-34.27 dBm	-9.27 dB

Date: 21.FEB.2024 04:16:41

LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

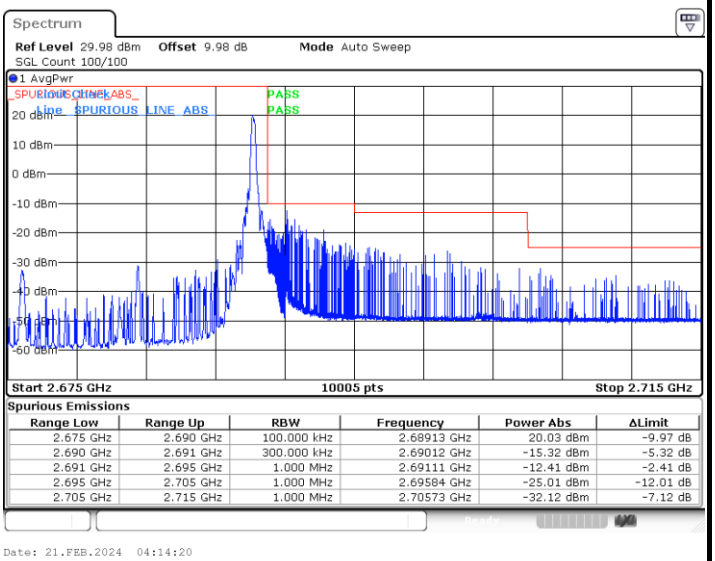


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-27.83 dBm	-2.83 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49471 GHz	-14.18 dBm	-1.18 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49595 GHz	-19.57 dBm	-6.57 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49684 GHz	20.97 dBm	-9.03 dB

Date: 21.FEB.2024 04:04:02

Highest Band Edge / 1 RB

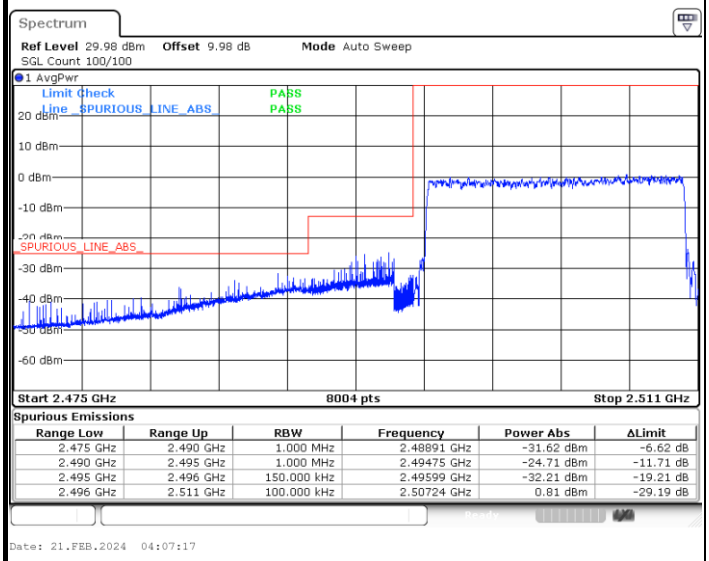


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68913 GHz	20.03 dBm	-9.97 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69012 GHz	-15.32 dBm	-5.32 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-12.41 dBm	-2.41 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69584 GHz	-25.01 dBm	-12.01 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70573 GHz	-32.12 dBm	-7.12 dB

Date: 21.FEB.2024 04:14:20

Lowest Band Edge / Full RB

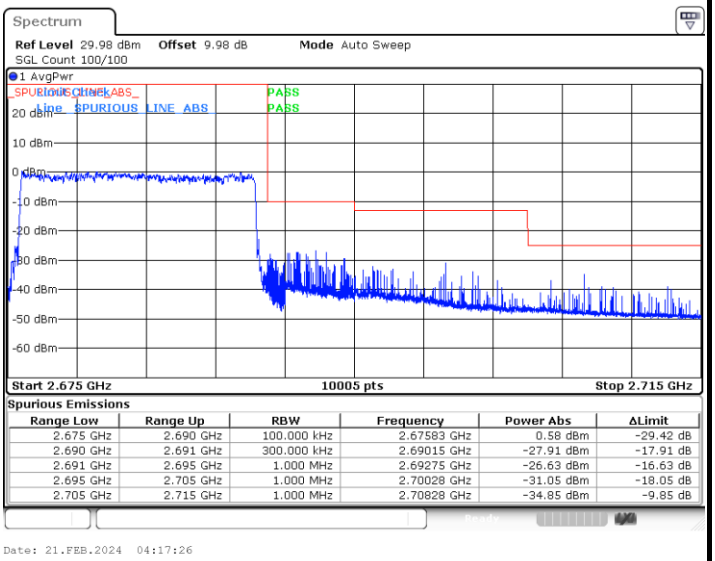


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48891 GHz	-31.62 dBm	-6.62 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49475 GHz	-24.71 dBm	-11.71 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-32.21 dBm	-19.21 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50724 GHz	0.81 dBm	-29.19 dB

Date: 21.FEB.2024 04:07:17

Highest Band Edge / Full RB



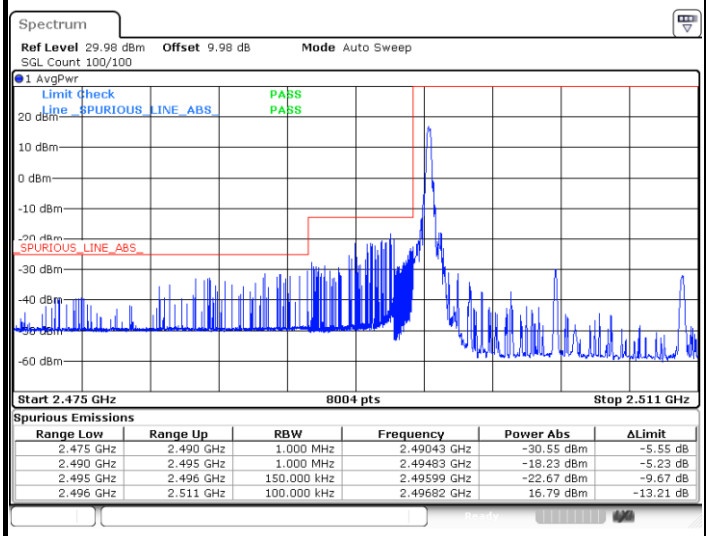
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67583 GHz	0.58 dBm	-29.42 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69015 GHz	-27.91 dBm	-17.91 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69275 GHz	-26.63 dBm	-16.63 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.70028 GHz	-31.05 dBm	-18.05 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70828 GHz	-34.85 dBm	-9.85 dB

Date: 21.FEB.2024 04:17:26

LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB

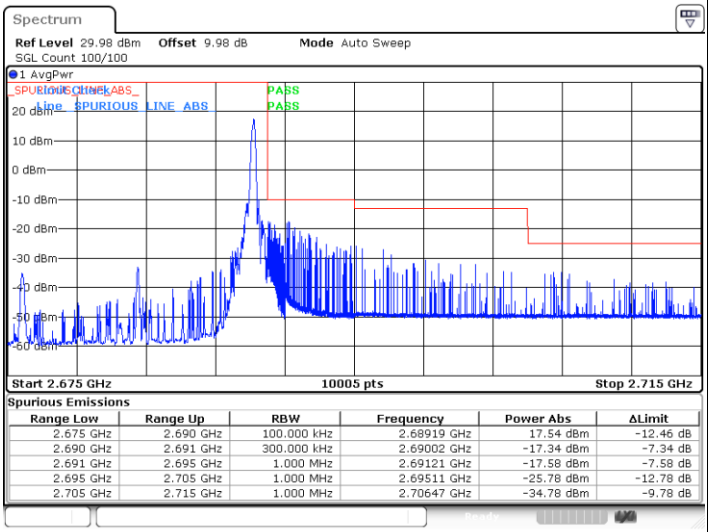


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-30.55 dBm	-5.55 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49483 GHz	-18.23 dBm	-5.23 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-22.67 dBm	-9.67 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49682 GHz	16.79 dBm	-13.21 dB

Date: 21.FEB.2024 04:04:50

Highest Band Edge / 1 RB

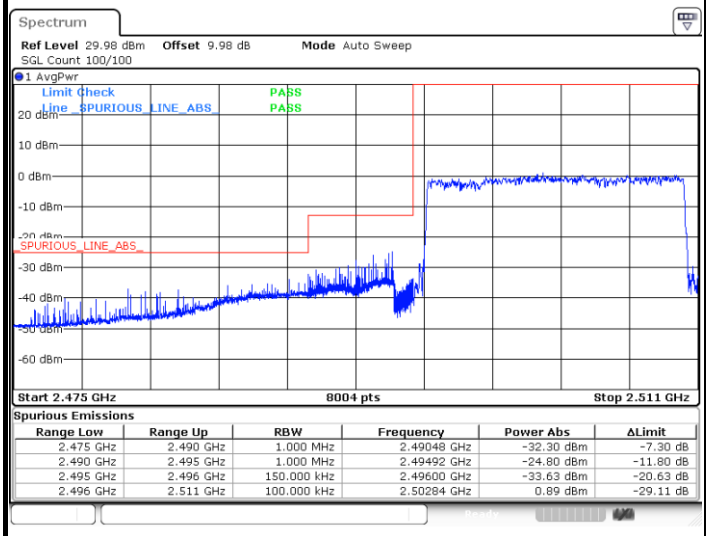


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68919 GHz	17.54 dBm	-12.46 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-17.34 dBm	-7.34 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-17.58 dBm	-7.58 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69511 GHz	-25.78 dBm	-12.78 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70647 GHz	-34.78 dBm	-9.78 dB

Date: 21.FEB.2024 04:15:05

Lowest Band Edge / Full RB

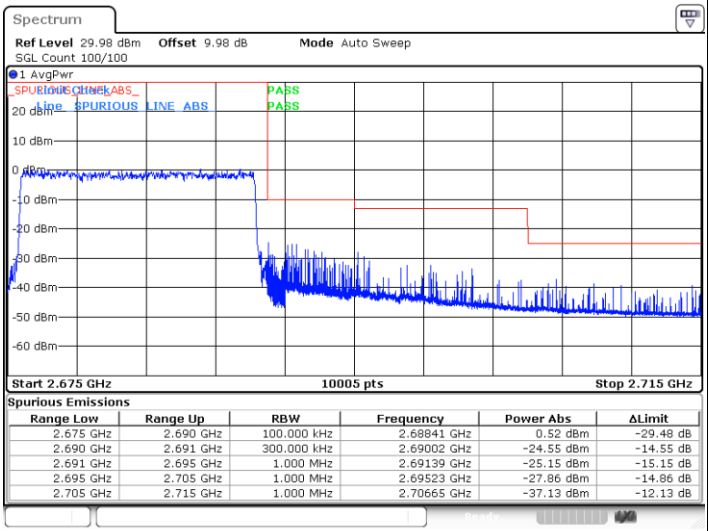


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-32.30 dBm	-7.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-24.80 dBm	-11.80 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49600 GHz	-33.63 dBm	-20.63 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50284 GHz	0.89 dBm	-29.11 dB

Date: 21.FEB.2024 04:08:05

Highest Band Edge / Full RB



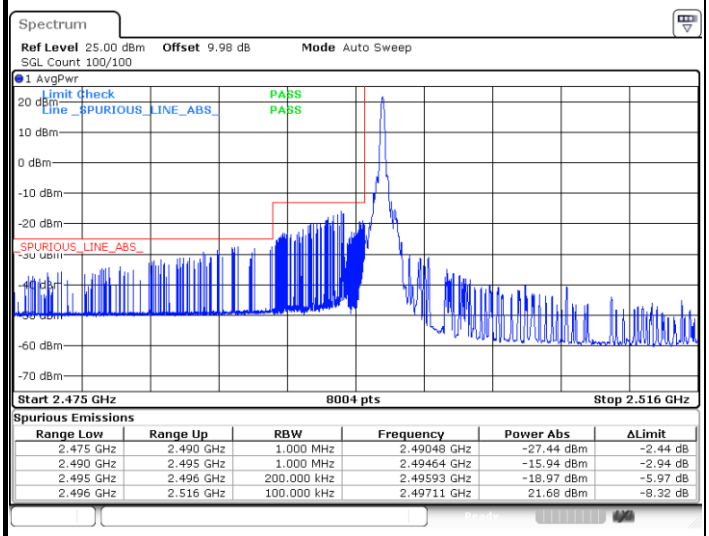
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68841 GHz	0.52 dBm	-29.48 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-24.55 dBm	-14.55 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69139 GHz	-25.15 dBm	-15.15 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69523 GHz	-27.86 dBm	-14.86 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70665 GHz	-37.13 dBm	-12.13 dB

Date: 21.FEB.2024 04:18:11

LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

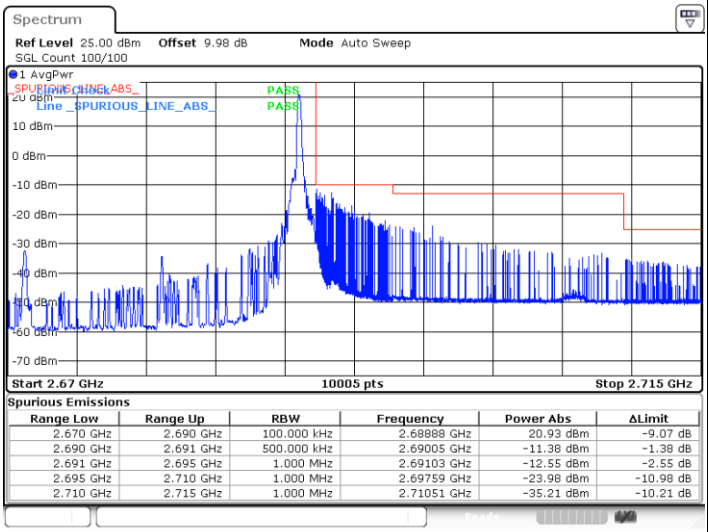


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-27.44 dBm	-2.44 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49464 GHz	-15.94 dBm	-2.94 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49593 GHz	-18.97 dBm	-5.97 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49711 GHz	21.68 dBm	-8.32 dB

Date: 21.FEB.2024 05:04:37

Highest Band Edge / 1 RB

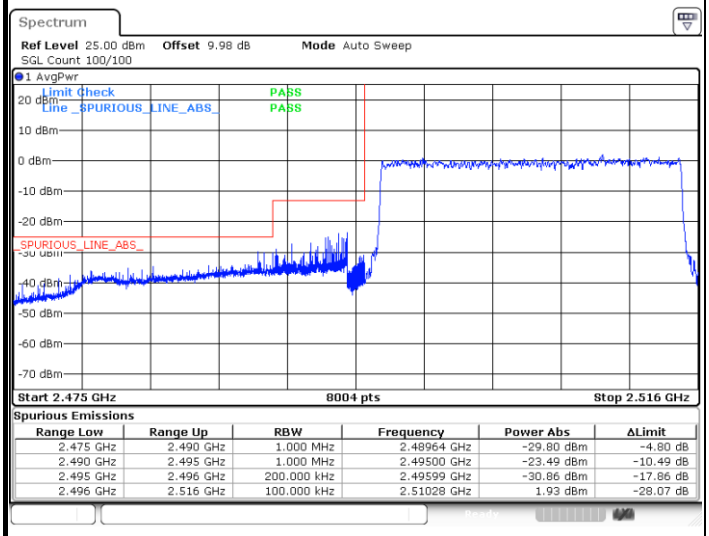


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68888 GHz	20.93 dBm	-9.07 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69005 GHz	-11.38 dBm	-1.38 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-12.55 dBm	-2.55 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69759 GHz	-23.98 dBm	-10.98 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71051 GHz	-35.21 dBm	-10.21 dB

Date: 21.FEB.2024 04:30:45

Lowest Band Edge / Full RB

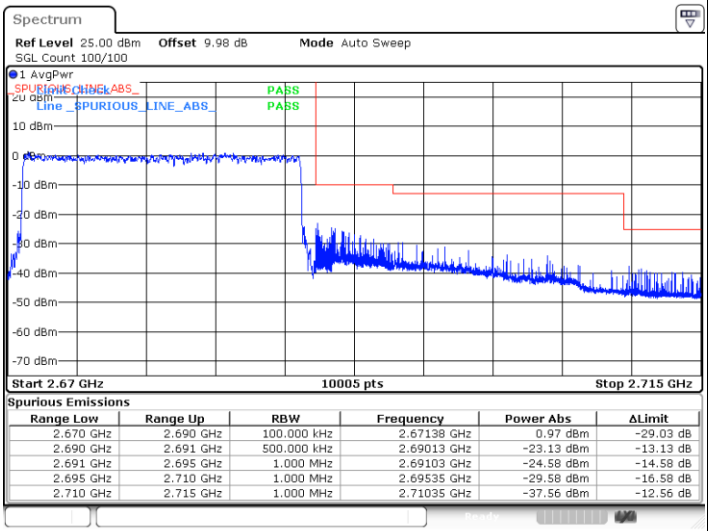


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48964 GHz	-29.80 dBm	-4.80 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49500 GHz	-23.49 dBm	-10.49 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49599 GHz	-30.86 dBm	-17.86 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51028 GHz	1.93 dBm	-28.07 dB

Date: 21.FEB.2024 04:23:39

Highest Band Edge / Full RB



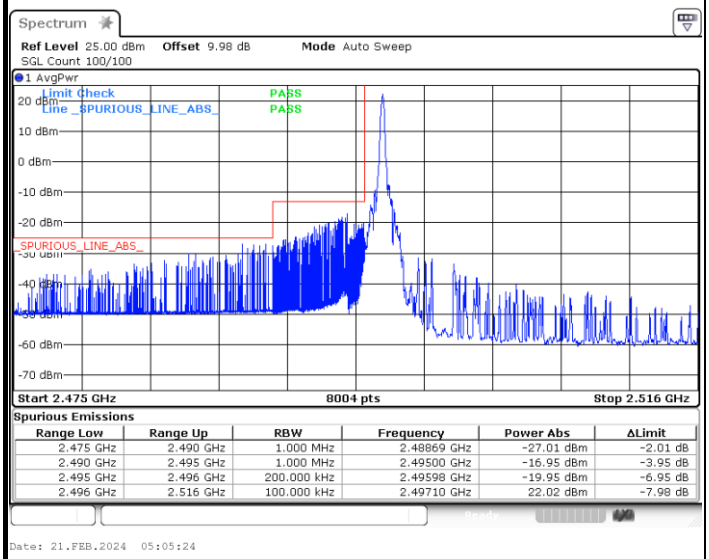
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67138 GHz	0.97 dBm	-29.03 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69013 GHz	-23.13 dBm	-13.13 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-24.58 dBm	-14.58 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69535 GHz	-29.58 dBm	-16.58 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71035 GHz	-37.56 dBm	-12.56 dB

Date: 21.FEB.2024 04:33:51

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

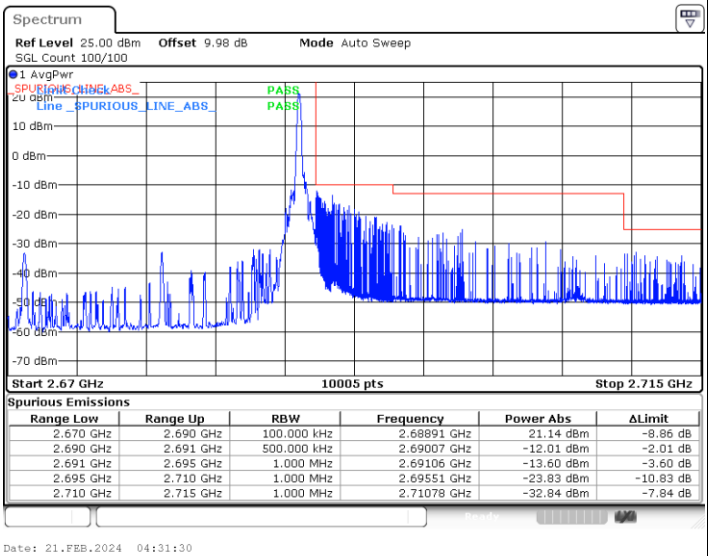


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48869 GHz	-27.01 dBm	-2.01 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49500 GHz	-16.95 dBm	-3.95 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49598 GHz	-19.95 dBm	-6.95 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49710 GHz	22.02 dBm	-7.98 dB

Date: 21.FEB.2024 05:05:24

Highest Band Edge / 1 RB

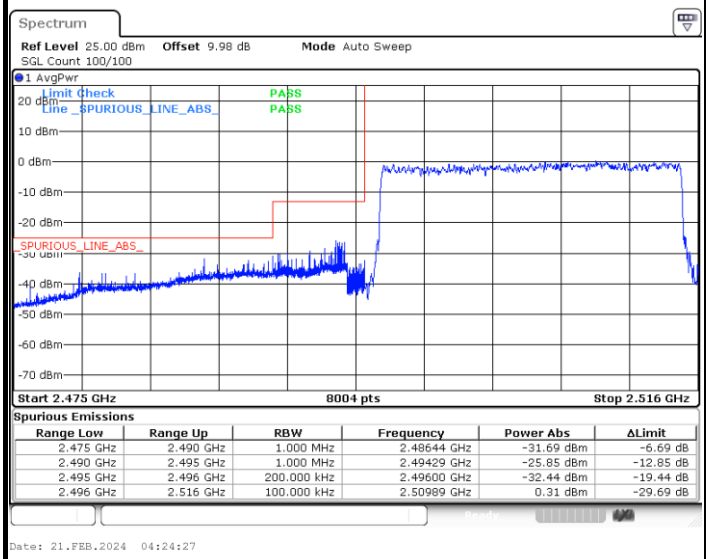


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68891 GHz	21.14 dBm	-8.86 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69007 GHz	-12.01 dBm	-2.01 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69106 GHz	-13.60 dBm	-3.60 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69551 GHz	-23.83 dBm	-10.83 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71078 GHz	-32.84 dBm	-7.84 dB

Date: 21.FEB.2024 04:31:30

Lowest Band Edge / Full RB

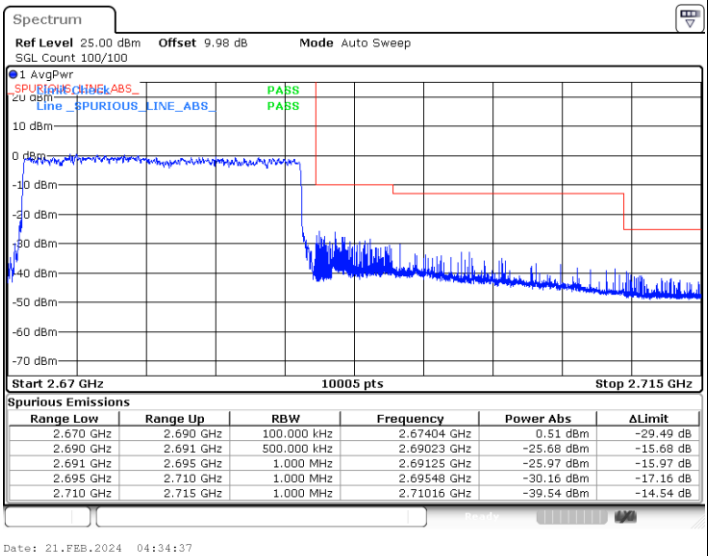


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48644 GHz	-31.69 dBm	-6.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49429 GHz	-25.85 dBm	-12.85 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49600 GHz	-32.44 dBm	-19.44 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50989 GHz	0.31 dBm	-29.69 dB

Date: 21.FEB.2024 04:24:27

Highest Band Edge / Full RB



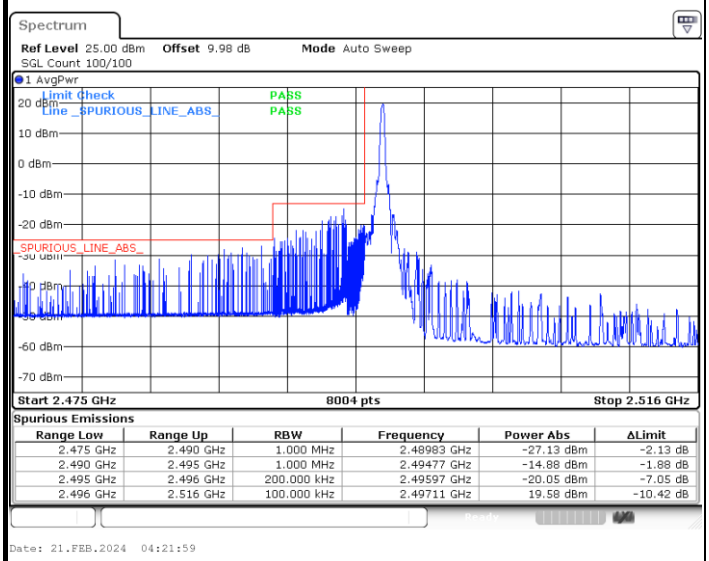
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67404 GHz	0.51 dBm	-29.49 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69023 GHz	-25.68 dBm	-15.68 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69125 GHz	-25.97 dBm	-15.97 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69548 GHz	-30.16 dBm	-17.16 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71016 GHz	-39.54 dBm	-14.54 dB

Date: 21.FEB.2024 04:34:37

LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

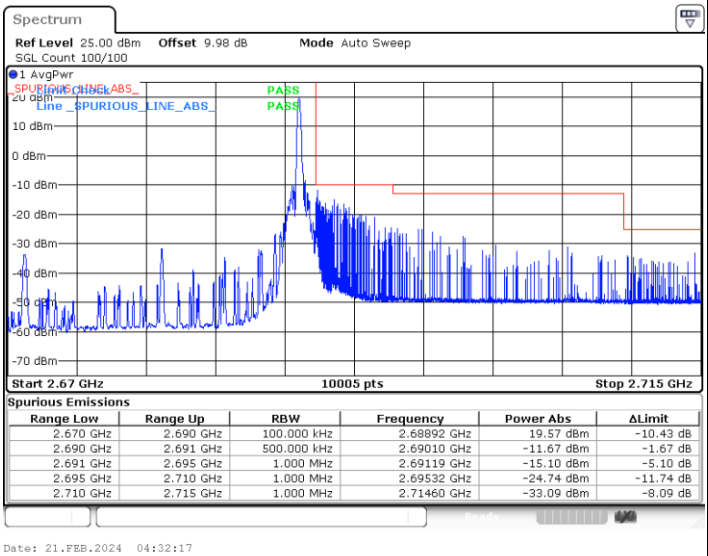


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48983 GHz	-27.13 dBm	-2.13 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49477 GHz	-14.88 dBm	-1.88 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-20.05 dBm	-7.05 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49711 GHz	19.58 dBm	-10.42 dB

Date: 21.FEB.2024 04:21:59

Highest Band Edge / 1 RB

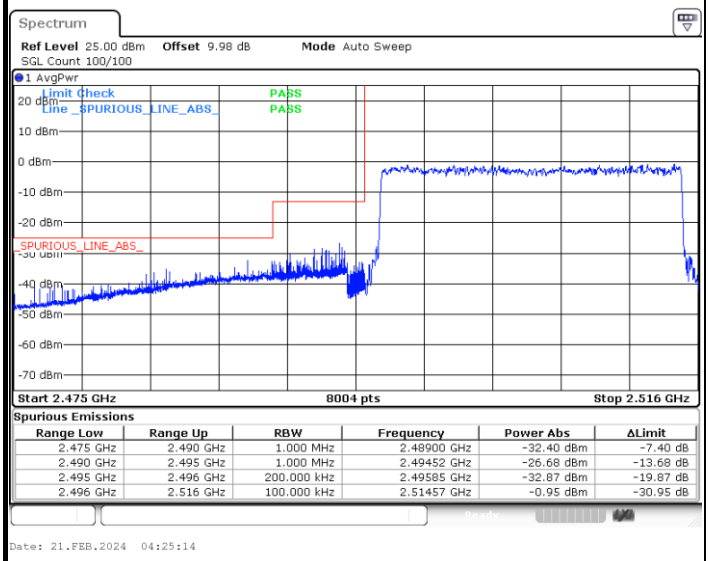


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68892 GHz	19.57 dBm	-10.43 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69010 GHz	-11.67 dBm	-1.67 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69119 GHz	-15.10 dBm	-5.10 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69532 GHz	-24.74 dBm	-11.74 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71460 GHz	-33.09 dBm	-8.09 dB

Date: 21.FEB.2024 04:32:17

Lowest Band Edge / Full RB

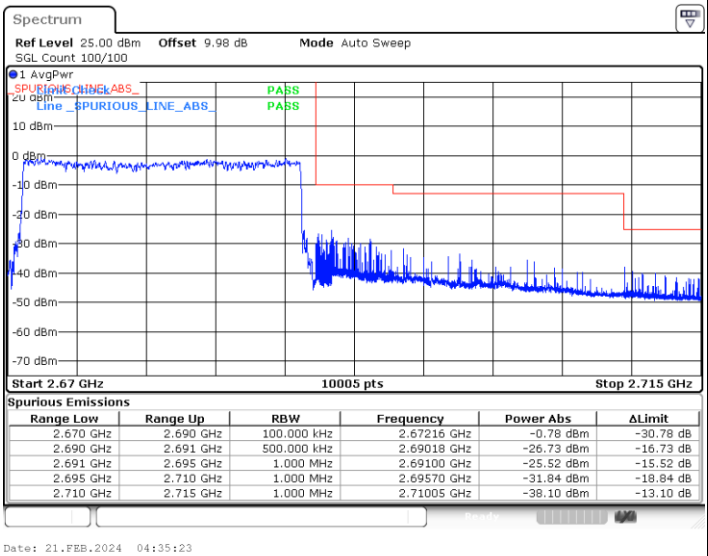


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48900 GHz	-32.40 dBm	-7.40 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49452 GHz	-26.68 dBm	-13.68 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49585 GHz	-32.87 dBm	-19.87 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51457 GHz	-0.95 dBm	-30.95 dB

Date: 21.FEB.2024 04:25:14

Highest Band Edge / Full RB



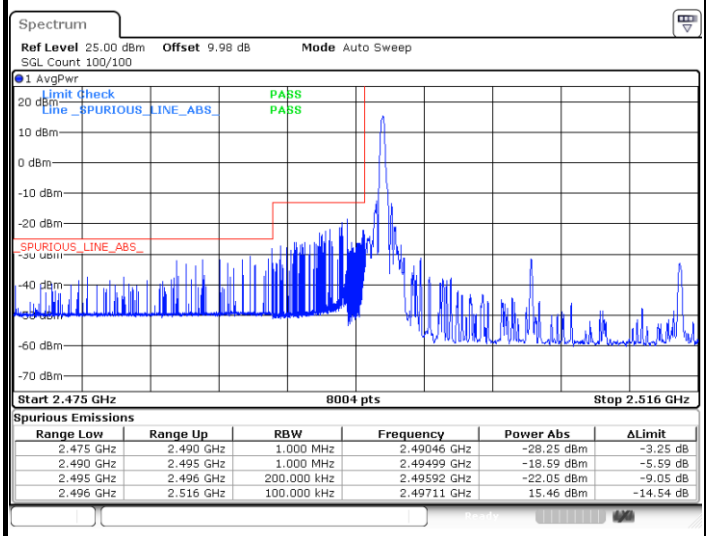
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67216 GHz	-0.78 dBm	-30.78 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69018 GHz	-26.73 dBm	-16.73 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-25.52 dBm	-15.52 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69570 GHz	-31.84 dBm	-18.84 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71005 GHz	-38.10 dBm	-13.10 dB

Date: 21.FEB.2024 04:35:23

LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1RB

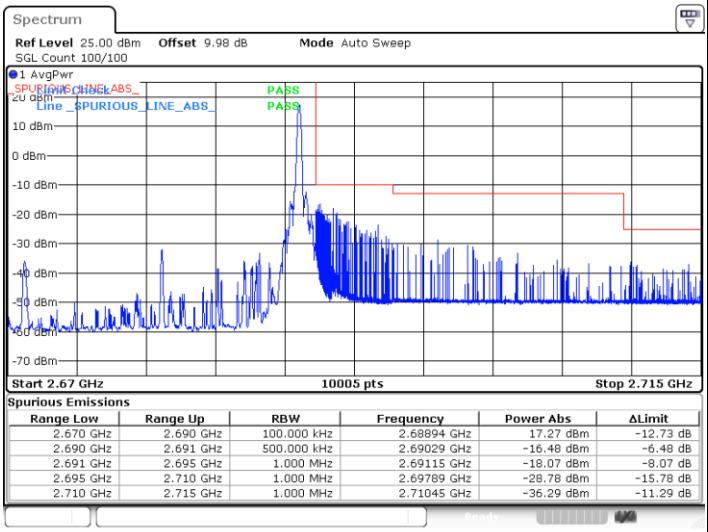


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49046 GHz	-28.25 dBm	-3.25 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-18.59 dBm	-5.59 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49592 GHz	-22.05 dBm	-9.05 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49711 GHz	15.46 dBm	-14.54 dB

Date: 21.FEB.2024 04:22:48

Highest Band Edge / 1 RB

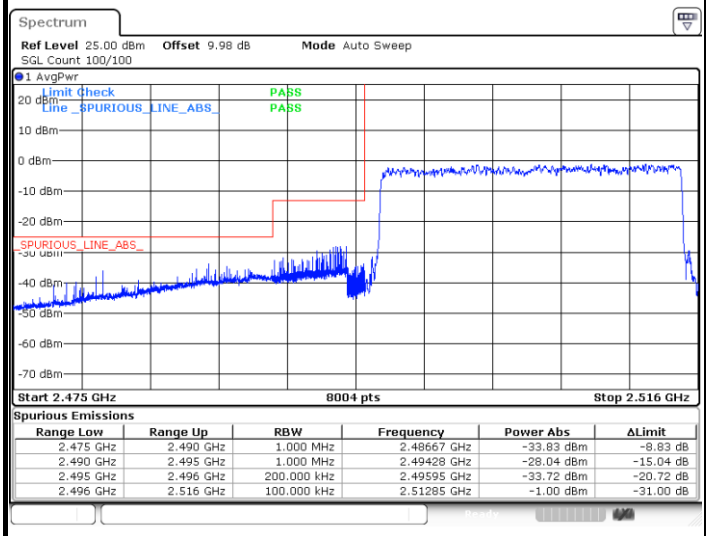


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68894 GHz	17.27 dBm	-12.73 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69029 GHz	-16.48 dBm	-6.48 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-18.07 dBm	-8.07 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69789 GHz	-28.78 dBm	-15.78 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71045 GHz	-36.29 dBm	-11.29 dB

Date: 21.FEB.2024 04:33:03

Lowest Band Edge / Full RB

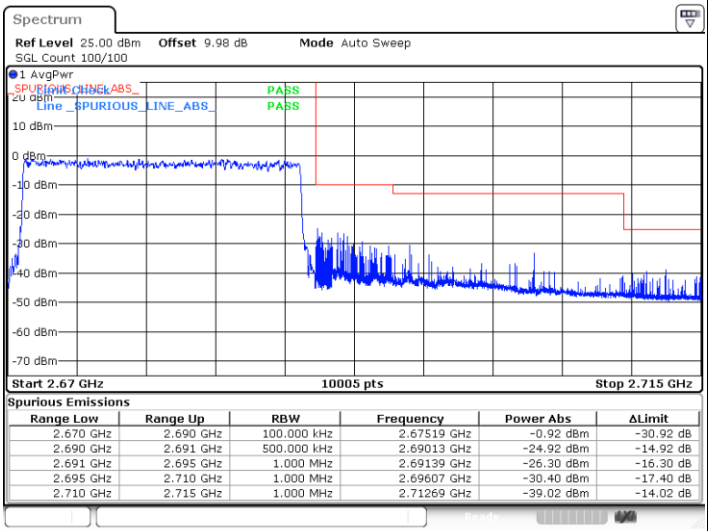


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48667 GHz	-33.83 dBm	-8.83 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49428 GHz	-28.04 dBm	-15.04 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49595 GHz	-33.72 dBm	-20.72 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51285 GHz	-1.00 dBm	-31.00 dB

Date: 21.FEB.2024 04:26:02

Highest Band Edge / Full RB



Spurious Emissions

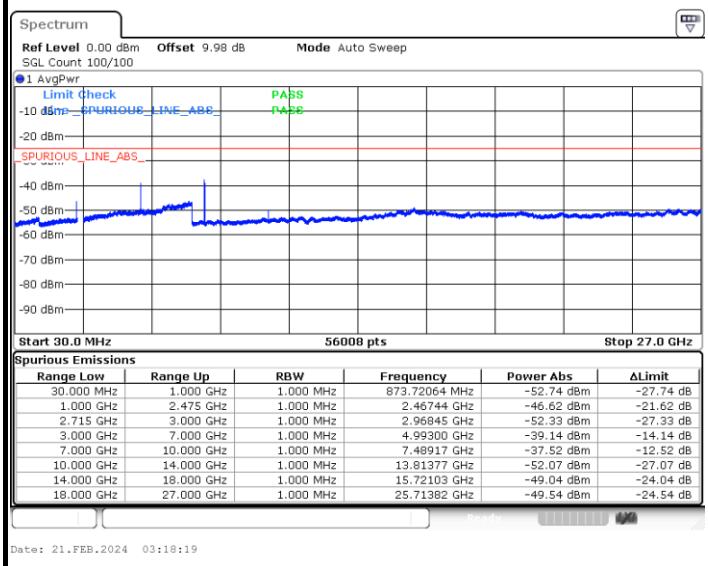
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67519 GHz	-0.92 dBm	-30.92 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69013 GHz	-24.92 dBm	-14.92 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69139 GHz	-26.30 dBm	-16.30 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69607 GHz	-30.40 dBm	-17.40 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71269 GHz	-39.02 dBm	-14.02 dB

Date: 21.FEB.2024 04:36:08

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

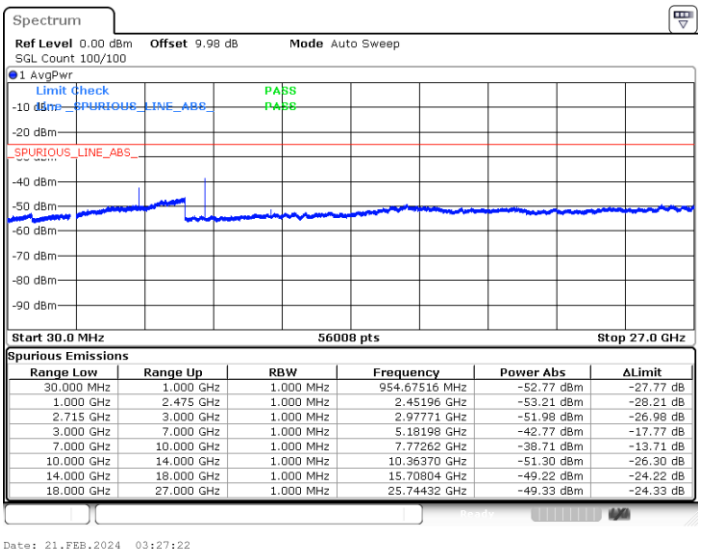


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.72064 MHz	-52.74 dBm	-27.74 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46744 GHz	-46.62 dBm	-21.62 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96845 GHz	-52.33 dBm	-27.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99300 GHz	-39.14 dBm	-14.14 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.48917 GHz	-37.52 dBm	-12.52 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81377 GHz	-52.07 dBm	-27.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72103 GHz	-49.04 dBm	-24.04 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71382 GHz	-49.54 dBm	-24.54 dB

Date: 21.FEB.2024 03:18:19

Middle Channel / QPSK

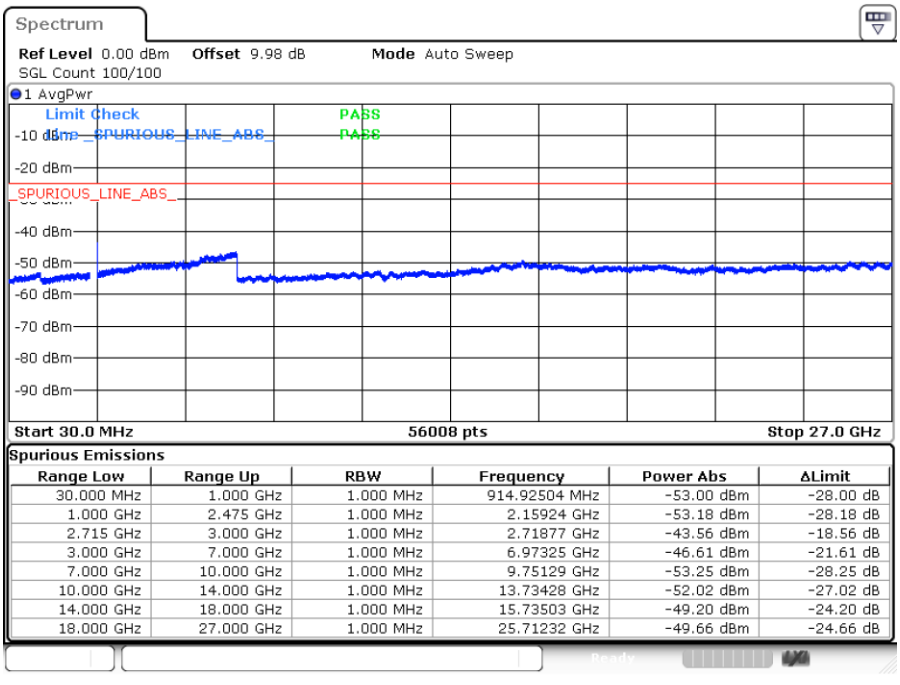


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-52.77 dBm	-27.77 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45196 GHz	-53.21 dBm	-28.21 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97771 GHz	-51.98 dBm	-26.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.18198 GHz	-42.77 dBm	-17.77 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.77262 GHz	-38.71 dBm	-13.71 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.36370 GHz	-51.30 dBm	-26.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70804 GHz	-49.22 dBm	-24.22 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.74432 GHz	-49.33 dBm	-24.33 dB

Date: 21.FEB.2024 03:27:22

Highest Channel / QPSK



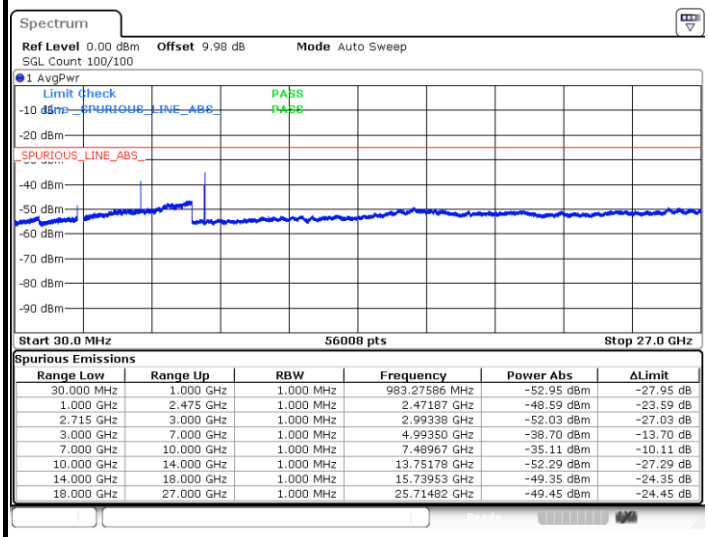
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15924 GHz	-53.18 dBm	-28.18 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71877 GHz	-43.56 dBm	-18.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97325 GHz	-46.61 dBm	-21.61 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75129 GHz	-53.25 dBm	-28.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.73428 GHz	-52.02 dBm	-27.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73503 GHz	-49.20 dBm	-24.20 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71232 GHz	-49.66 dBm	-24.66 dB

Date: 21.FEB.2024 03:28:44

LTE Band 41 / 10MHz

Lowest Channel / QPSK

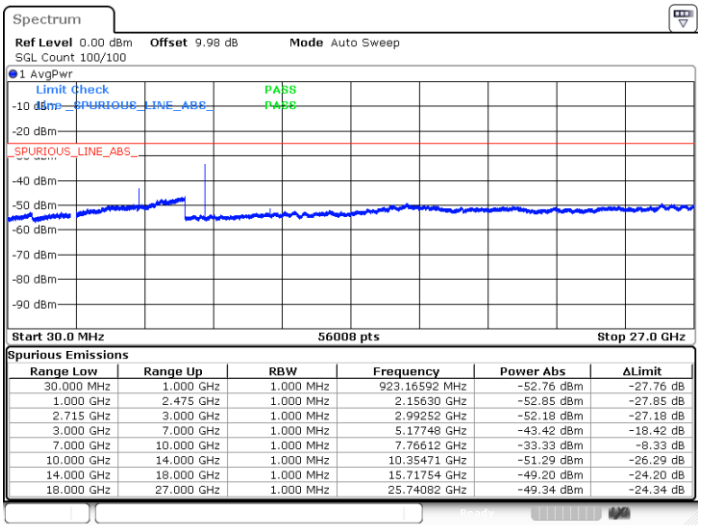


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-52.95 dBm	-27.95 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47187 GHz	-48.59 dBm	-23.59 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99338 GHz	-52.03 dBm	-27.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99350 GHz	-38.70 dBm	-13.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.48967 GHz	-35.11 dBm	-10.11 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75178 GHz	-52.29 dBm	-27.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73953 GHz	-49.35 dBm	-24.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71482 GHz	-49.45 dBm	-24.45 dB

Date: 21.FEB.2024 03:43:38

Middle Channel / QPSK

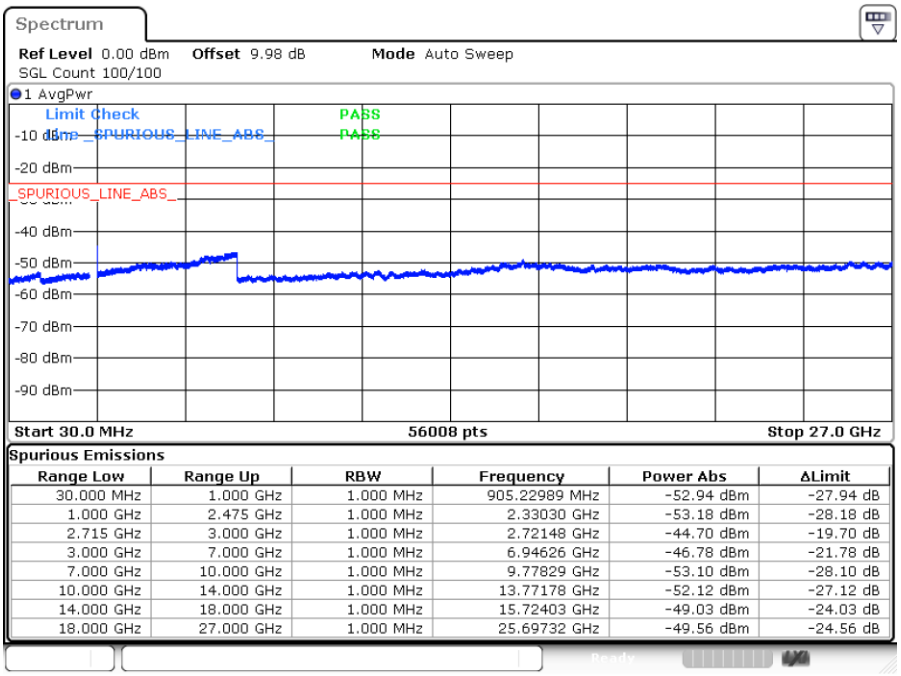


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.16592 MHz	-52.76 dBm	-27.76 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15630 GHz	-52.85 dBm	-27.85 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99252 GHz	-52.18 dBm	-27.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17748 GHz	-43.42 dBm	-18.42 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.76612 GHz	-33.33 dBm	-8.33 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.35471 GHz	-51.29 dBm	-26.29 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71754 GHz	-49.20 dBm	-24.20 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.74082 GHz	-49.34 dBm	-24.34 dB

Date: 21.FEB.2024 03:52:40

Highest Channel / QPSK



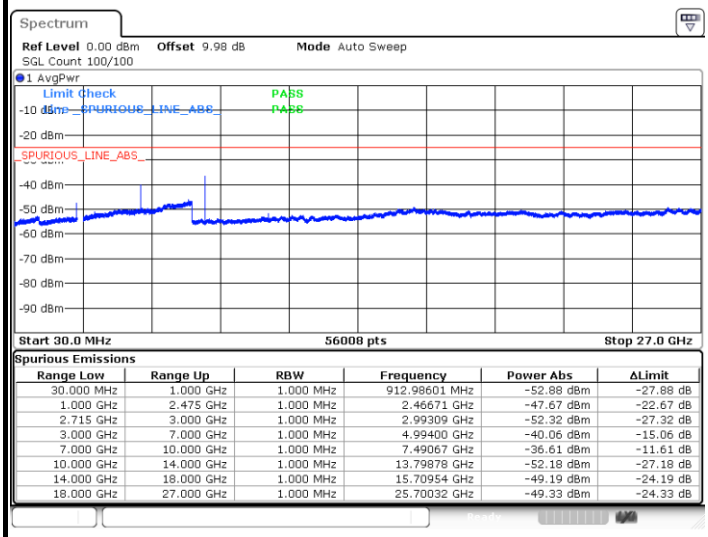
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-52.94 dBm	-27.94 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.33030 GHz	-53.18 dBm	-28.18 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72148 GHz	-44.70 dBm	-19.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94626 GHz	-46.78 dBm	-21.78 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77829 GHz	-53.10 dBm	-28.10 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77178 GHz	-52.12 dBm	-27.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72403 GHz	-49.03 dBm	-24.03 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.69732 GHz	-49.56 dBm	-24.56 dB

Date: 21.FEB.2024 03:54:02

LTE Band 41 / 15MHz

Lowest Channel / QPSK

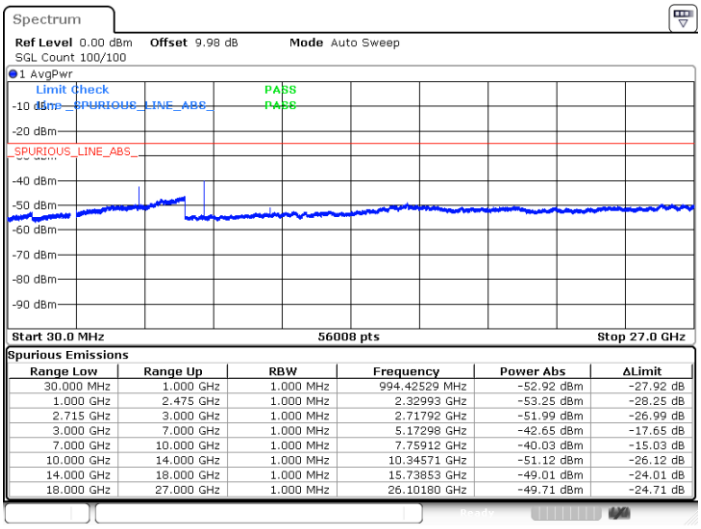


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-52.88 dBm	-27.88 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46671 GHz	-47.67 dBm	-22.67 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99309 GHz	-52.32 dBm	-27.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99400 GHz	-40.06 dBm	-15.06 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.49067 GHz	-36.61 dBm	-11.61 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79878 GHz	-52.18 dBm	-27.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70954 GHz	-49.19 dBm	-24.19 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.70032 GHz	-49.33 dBm	-24.33 dB

Date: 21.FEB.2024 04:01:38

Middle Channel / QPSK

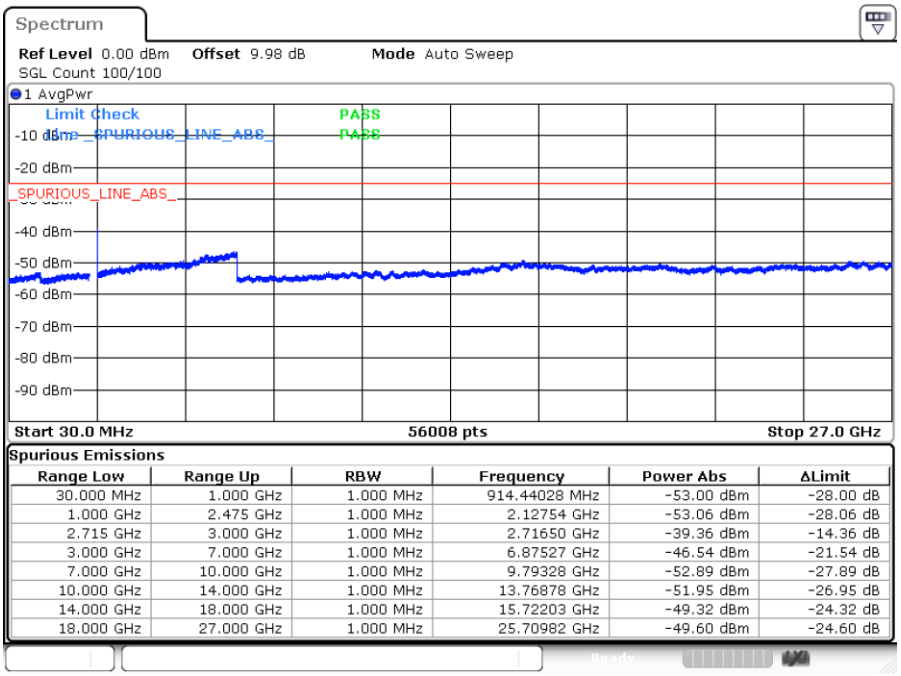


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-52.92 dBm	-27.92 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.32993 GHz	-53.25 dBm	-28.25 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71792 GHz	-51.99 dBm	-26.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17298 GHz	-42.65 dBm	-17.65 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.75912 GHz	-40.03 dBm	-15.03 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.34571 GHz	-51.12 dBm	-26.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73853 GHz	-49.01 dBm	-24.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.10180 GHz	-49.71 dBm	-24.71 dB

Date: 21.FEB.2024 04:10:40

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.12754 GHz	-53.06 dBm	-28.06 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71650 GHz	-39.36 dBm	-14.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87527 GHz	-46.54 dBm	-21.54 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79328 GHz	-52.89 dBm	-27.89 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76878 GHz	-51.95 dBm	-26.95 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72203 GHz	-49.32 dBm	-24.32 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.70982 GHz	-49.60 dBm	-24.60 dB

Date: 21.FEB.2024 04:12:01