FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2341-4
FCC ID	:	IHDT56AM3
STANDARD	:	47 CFR Part 2, 27(M)
CLASSIFICATION	:	Licensed Non-Broadcast Transmitter Held toEar(TNE)
TEST DATE(S)	:	Apr. 13, 2023 ~ May 15, 2023

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

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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

APPENDIX C. TEST SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG332006-01	Rev. 01	Initial issue of report	May 30, 2023

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 27.53 dB at 10336.00 MHz

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	XT2341-4
FCC ID	IHDT56AM3
IMEI Code	Conducted: 356960280007092/356960280007100 Radiation: 356960280008553/356960280008561
HW Version	DVT2
SW Version	TLA33.30
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 : 22.53 dBm LTE Band 41 : 22.96 dBm
Antenna Gain	LTE Band 38 : -0.7 dBi LTE Band 41 : -0.7 dBi
Type of Modulation	QPSK / 16QAM

Remark: There are two types of EUT, the sample 1 is 1st source + Battery 1 and the sample 2 is 2nd source + Battery 2. The difference could refer to the XT2341-4_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we evaluate the sample 1 to perform full test.

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 (Salcomp)	**Model Name**	MC-201L
AC Adapter 1 (EU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-202L
AC Adapter 1 (AR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-206L
AC Adapter 1 (BR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-207L
AC Adapter 1 (CHILE)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-209L
AC Adapter 2 (US)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-201L
AC Adapter 2 (EU)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-202L
AC Adapter 2 (AR)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-206L
AC Adapter 3 (US)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-101
AC Adapter 3 (EU)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-102
AC Adapter 3 (UK)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-103
AC Adapter 3 (AU)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-105
AC Adapter 4 (US)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-101
AC Adapter 4 (EU)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-102
AC Adapter 4 (UK)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-103
AC Adapter 4 (AU)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-105
AC Adapter 5 (US)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-101
AC Adapter 5 (EU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-102
AC Adapter 5 (UK)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-103
AC Adapter 5 (AU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-105
Battery 1	**Brand Name**	Motorola (ATL)	**Model Name**	PC50
Battery 2	**Brand Name**	Motorola (SCUD)	**Model Name**	PC50
Earphone 1	**Brand Name**	Motorola (New leader)	**Model Name**	NLD-EM313A-20SF
Earphone 2	**Brand Name**	Motorola (JWELL)	**Model Name**	JWEP1205-L20H
USB Cable 1	**Brand Name**	Motorola (SAIBAO)	**Model Name**	SLQ-A214A
USB Cable 2	**Brand Name**	Motorola (JWELL)	**Model Name**	ATOC

1.7 Maximum EIRP Power and Emission Designator

LTE Band 38		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2580.0 ~ 2610.0	0.1524	18M3G7D	0.1291	18M5W7D
LTE Band 41		**QPSK**		**16QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
20	2506.0 ~ 2680.0	0.1683	18M3G7D	0.1352	18M5W7D

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

1.8 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.**
	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.**
	03CH03-SZ	CN1256	421272

1.9 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

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

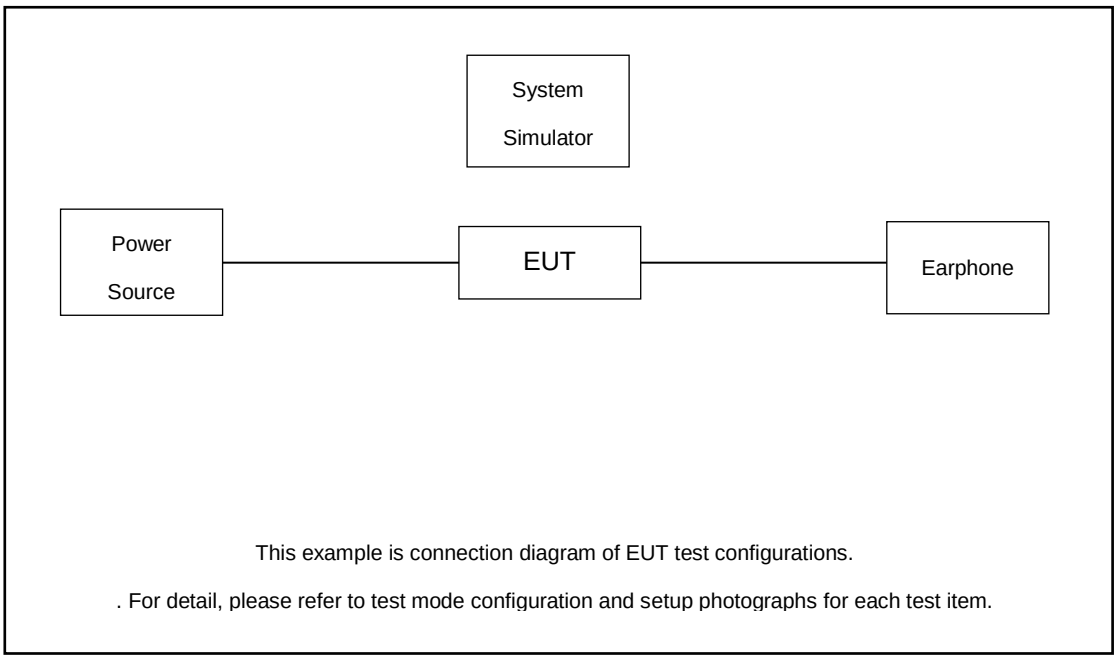
2.1 Test Mode

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.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	38	-	-	v	v	v	v	v	v	-	v		v	v	v	v
	41	-	-	v	v	v	v	v	v	-	v		v	v	v	v
Peak-to-Average Ratio	41	-	-				v	v	v	-			v		v	
26dB and 99% Bandwidth	41	-	-	v	v	v	v	v	v	-			v		v	
Conducted Band Edge	41	-	-	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
	41	-	-	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. 4. 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.															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	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 6.0 dB.

Example :

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

= 6.0 (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

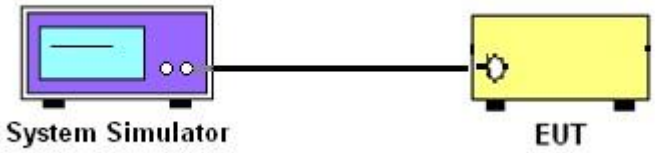
3 Conducted Test Items

3.1 Measuring Instruments

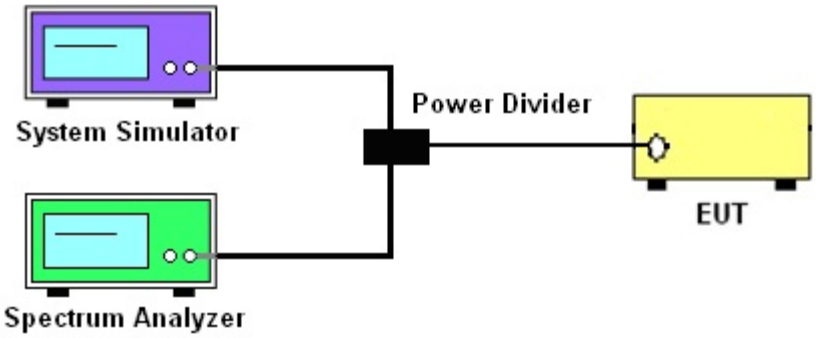
See list of measuring instruments of this test report.

3.2 Test Setup

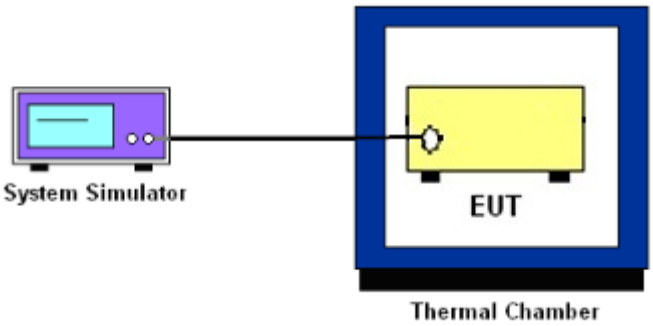
3.2.1 Conducted Output Power



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

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 38,41:

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

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

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 38, 41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

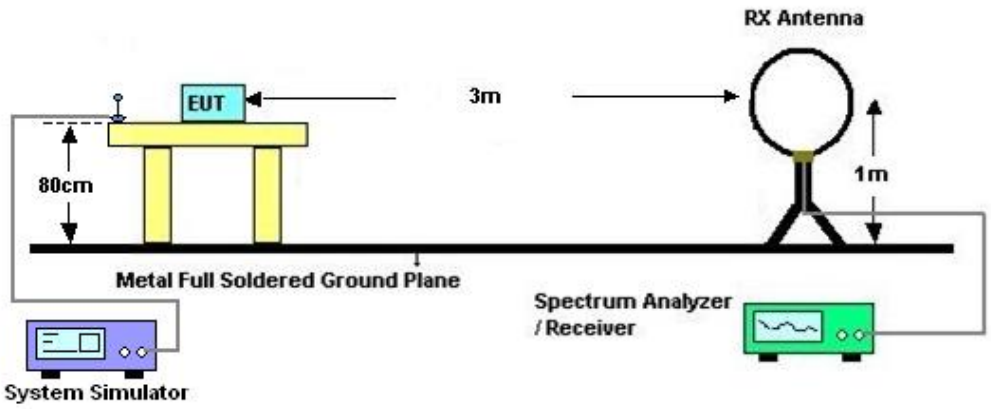
4 Radiated Test Items

4.1 Measuring Instruments

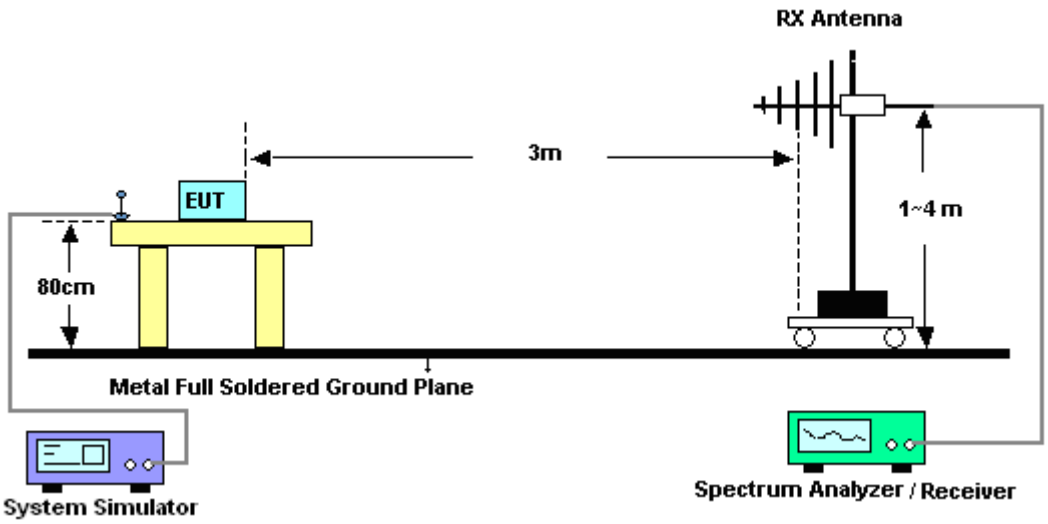
See list of measuring instruments of this test report.

4.2 Test Setup

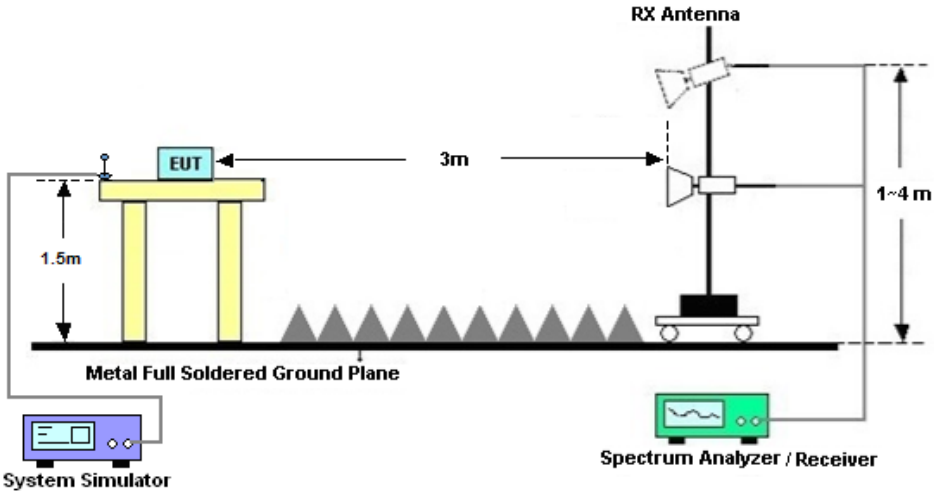
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 38, 41

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

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For Band 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	Apr. 13, 2023	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Apr. 13, 2023	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 15, 2022	Apr. 13, 2023	Jul. 14, 2023	Conducted (TH01-KS)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 04, 2023	May 15, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	May 15, 2023	Jun. 27, 2024	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 04, 2023	May 15, 2023	Apr. 03, 2024	Radiation (03CH03-SZ
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 09, 2021	May 15, 2023	Aug. 08, 2023	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2023	May 15, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	May 15, 2023	Oct. 18, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	May 15, 2023	Jul.05, 2023	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08, 2023	May 15, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26, 2022	May 15, 2023	Dec. 25, 2023	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Nov. 10, 2022	May 15, 2023	Nov. 09, 2023	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 15, 2023	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 15, 2023	NCR	Radiation (03CH03-SZ)

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 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))	3.0 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.6 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.8 dB

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and EIRP

LTE Band38:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	22.25	22.37	22.28	0.1429	0.1469	0.1439
20	QPSK	1	99	22.43	22.53	22.49	0.1489	0.1524	0.1510
20	QPSK	100	0	21.44	21.59	21.47	0.1186	0.1227	0.1194
20	16QAM	1	0	21.67	21.81	21.77	0.1250	0.1291	0.1279
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	22.22	22.30	22.12	0.1419	0.1445	0.1387
15	16QAM	1	0	21.66	21.75	21.67	0.1247	0.1274	0.1250
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	22.18	22.34	22.21	0.1406	0.1459	0.1416
10	16QAM	1	0	21.60	21.80	21.61	0.1230	0.1288	0.1233
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	22.23	22.34	22.26	0.1422	0.1459	0.1432
5	16QAM	1	0	21.56	21.76	21.69	0.1219	0.1276	0.1256

LTE Band 41:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	22.79	22.93	22.62	0.1618	0.1671	0.1556
20	QPSK	1	99	22.88	22.96	22.59	0.1652	0.1683	0.1545
20	QPSK	100	0	21.98	21.99	21.60	0.1343	0.1346	0.1230
20	16QAM	1	0	21.96	22.01	21.74	0.1337	0.1352	0.1271
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	22.72	22.77	22.54	0.1592	0.1611	0.1528
15	16QAM	1	0	21.95	22.00	21.63	0.1334	0.1349	0.1239
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	22.66	22.85	22.46	0.1570	0.1641	0.1500
10	16QAM	1	0	21.91	21.94	21.63	0.1321	0.1330	0.1239
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	22.76	22.84	22.57	0.1607	0.1637	0.1538
5	16QAM	1	0	21.80	21.98	21.69	0.1288	0.1343	0.1256

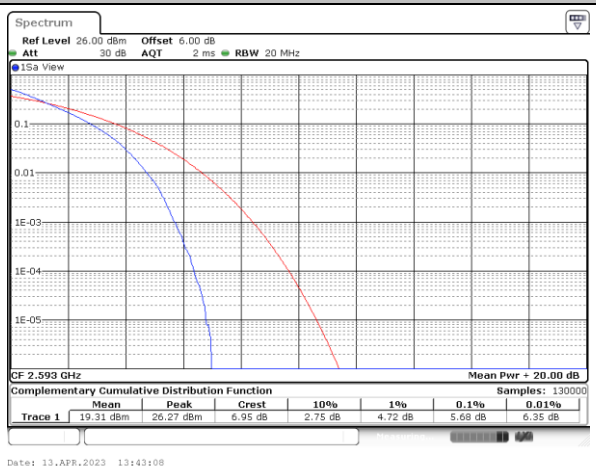
LTE Band 41

Peak-to-Average Ratio

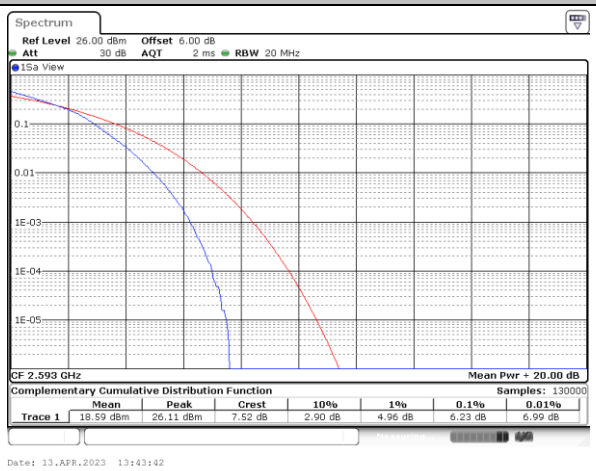
Mode	LTE Band 41 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.68	6.23	PASS

LTE Band 41 / 20MHz

Middle Channel / Full RB / QPSK

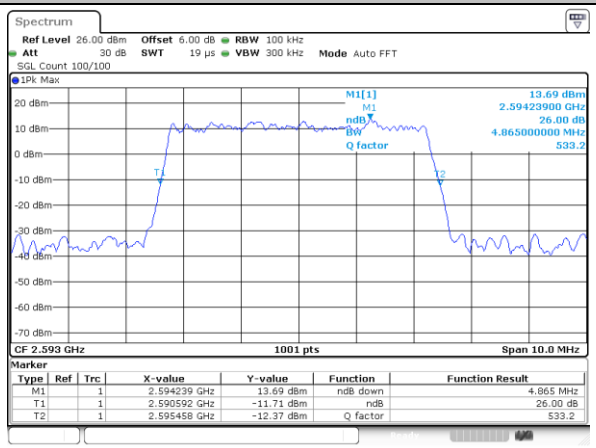
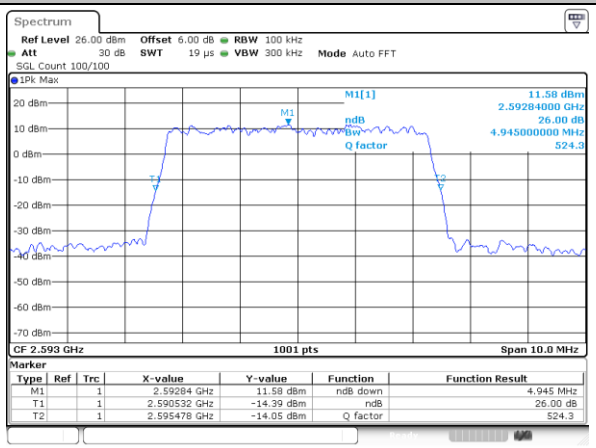


Middle Channel / Full RB / 16QAM



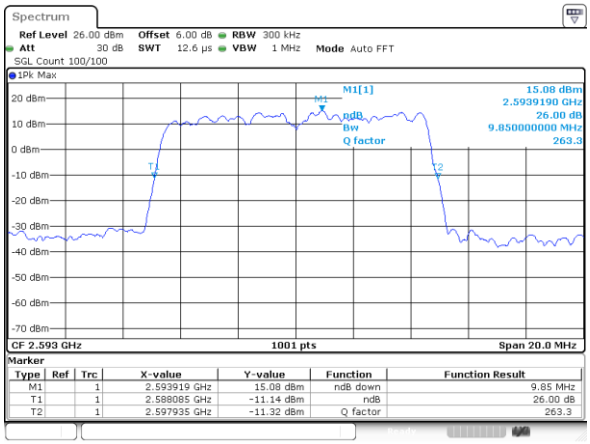
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.87	4.95
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.75
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.78	14.60
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.18	20.10

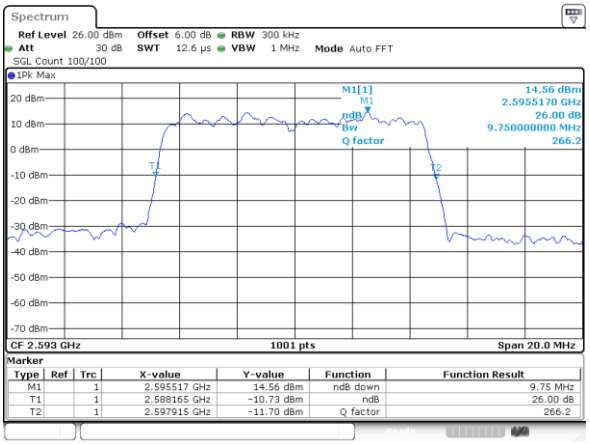
LTE Band 41	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
	

LTE Band 41

Middle Channel / 10MHz / QPSK

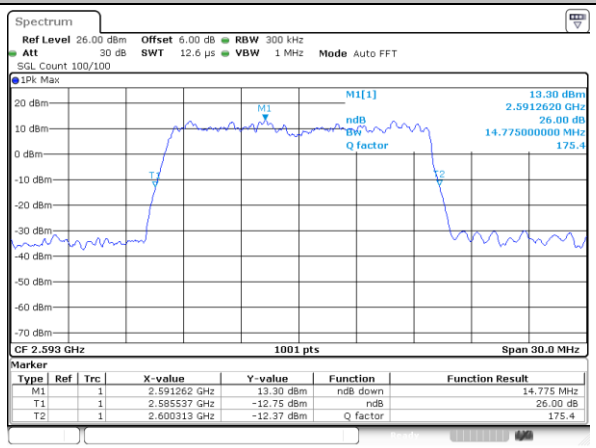


Middle Channel / 10MHz / 16QAM

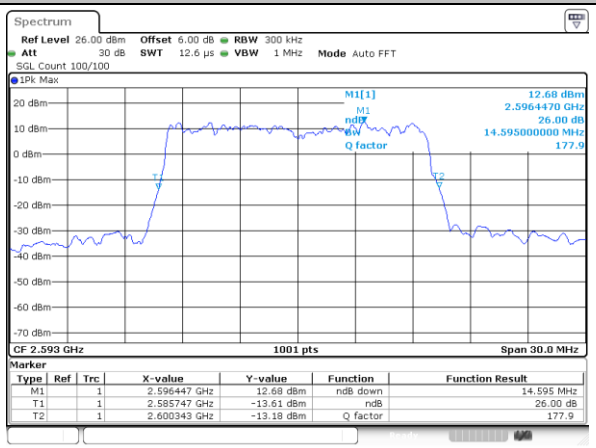


LTE Band 41

Middle Channel / 15MHz / QPSK

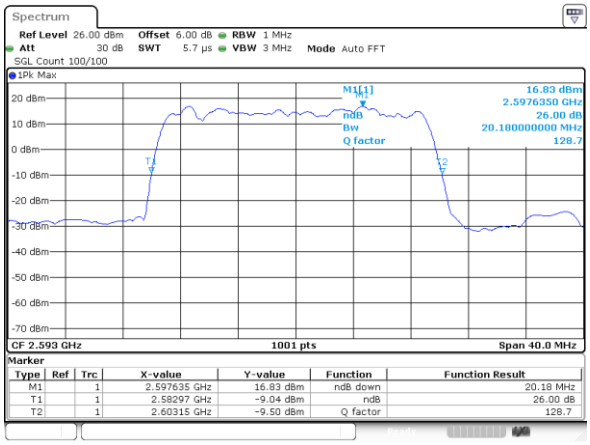


Middle Channel / 15MHz / 16QAM

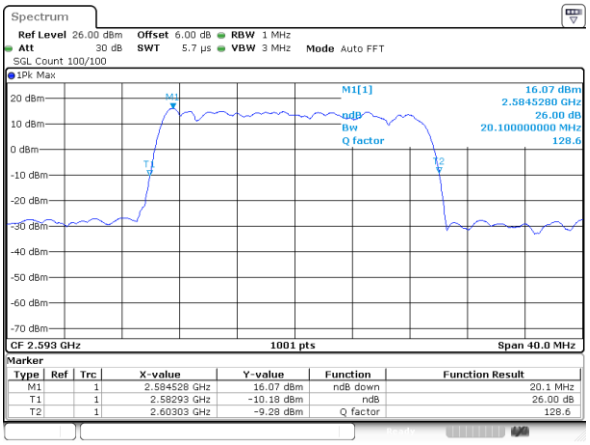


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

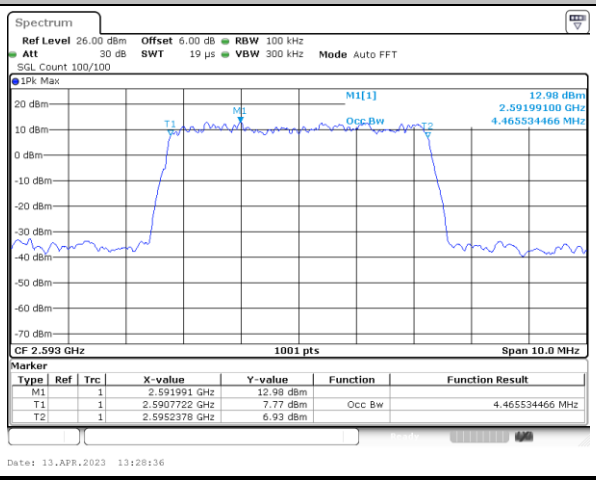


Occupied Bandwidth

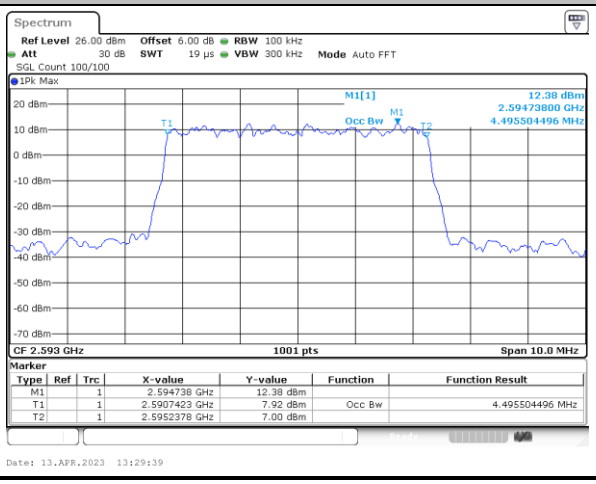
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.47	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.30	18.50

LTE Band 41

Middle Channel / 5MHz / QPSK

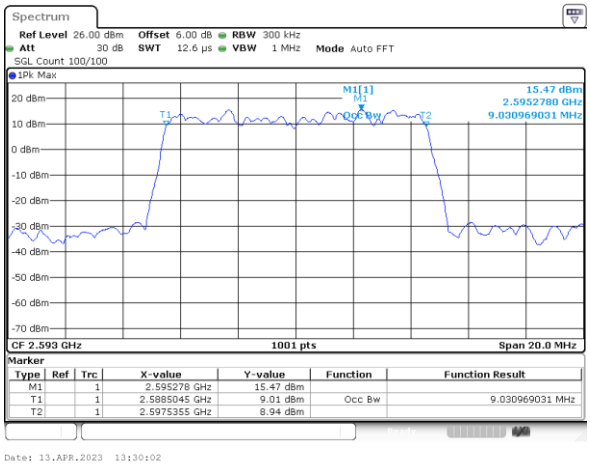


Middle Channel / 5MHz / 16QAM

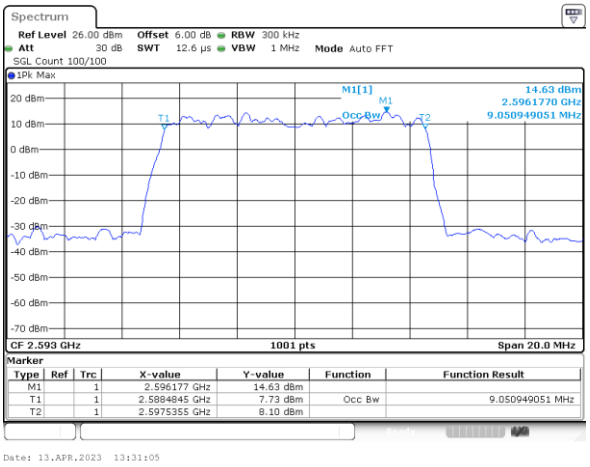


LTE Band 41

Middle Channel / 10MHz / QPSK

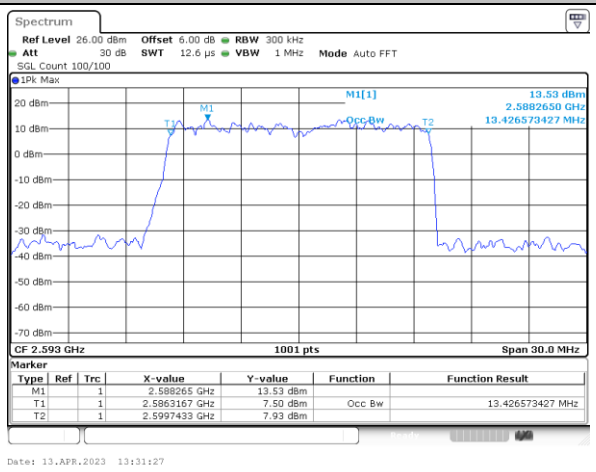


Middle Channel / 10MHz / 16QAM

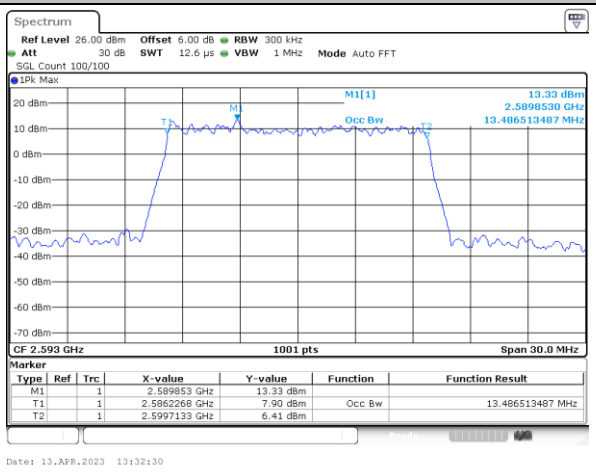


LTE Band 41

Middle Channel / 15MHz / QPSK

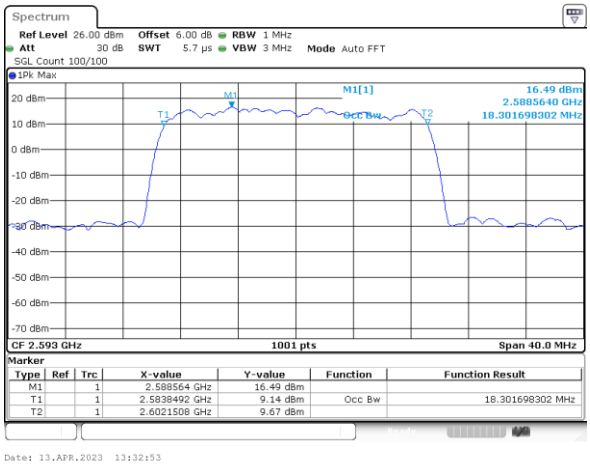


Middle Channel / 15MHz / 16QAM

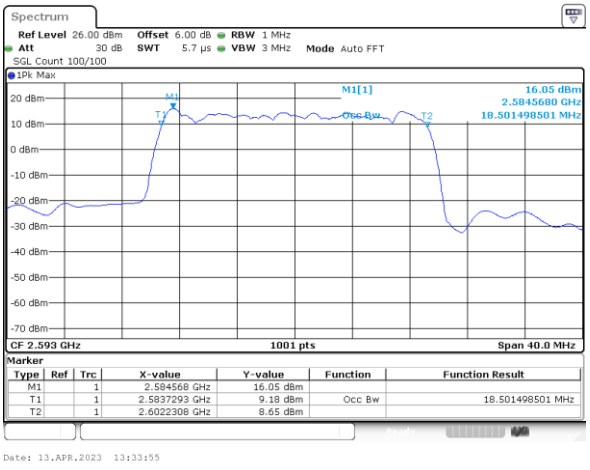


LTE Band 41

Middle Channel / 20MHz / QPSK



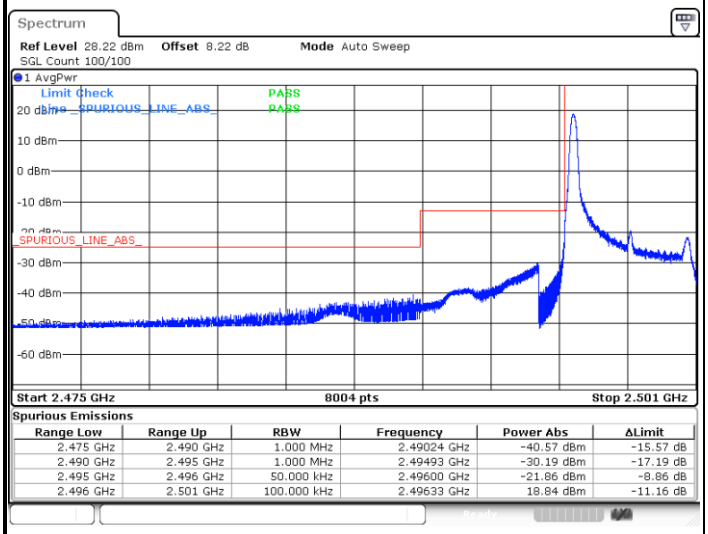
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB

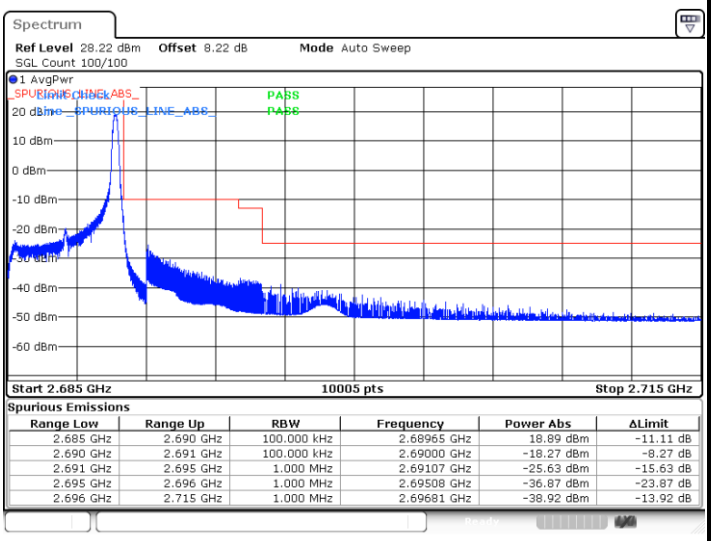


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49024 GHz	-40.57 dBm	-15.57 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-30.19 dBm	-17.19 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-21.86 dBm	-8.86 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49633 GHz	18.84 dBm	-11.16 dB

Date: 13.APR.2023 11:10:04

Highest Band Edge / 1 RB

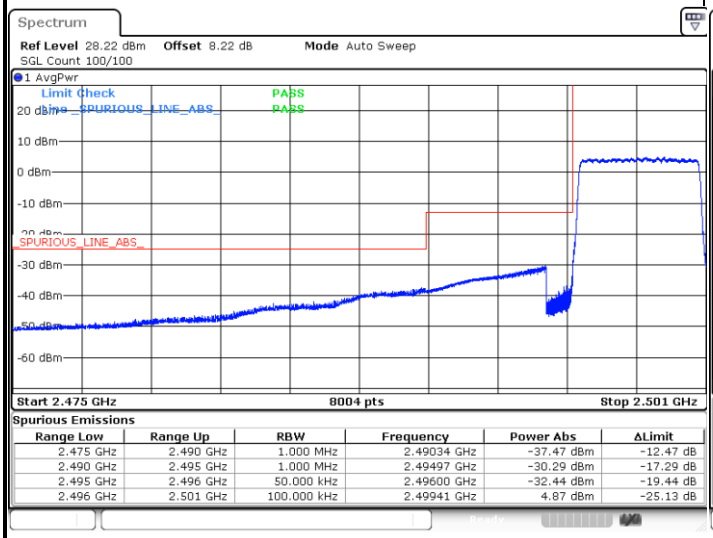


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68965 GHz	18.89 dBm	-11.11 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-18.27 dBm	-8.27 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-25.63 dBm	-15.63 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69508 GHz	-36.87 dBm	-23.87 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69681 GHz	-38.92 dBm	-13.92 dB

Date: 13.APR.2023 11:17:04

Lowest Band Edge / Full RB

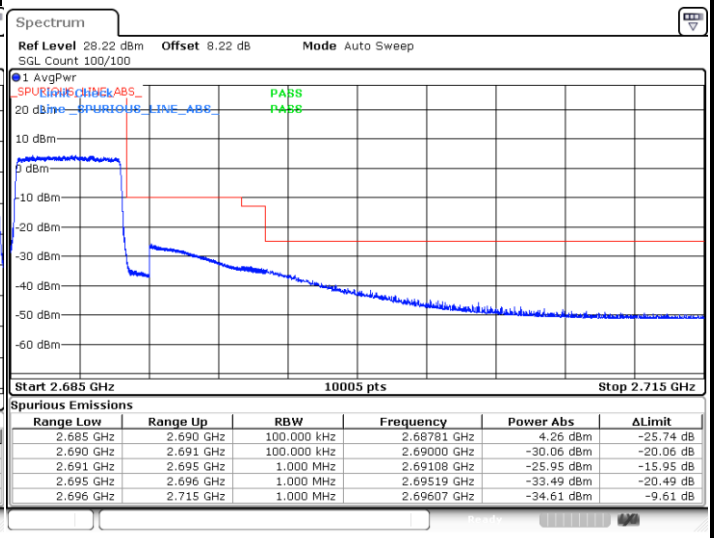


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49034 GHz	-37.47 dBm	-12.47 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-30.29 dBm	-17.29 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-32.44 dBm	-19.44 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49941 GHz	4.87 dBm	-25.13 dB

Date: 13.APR.2023 11:15:23

Highest Band Edge / Full RB



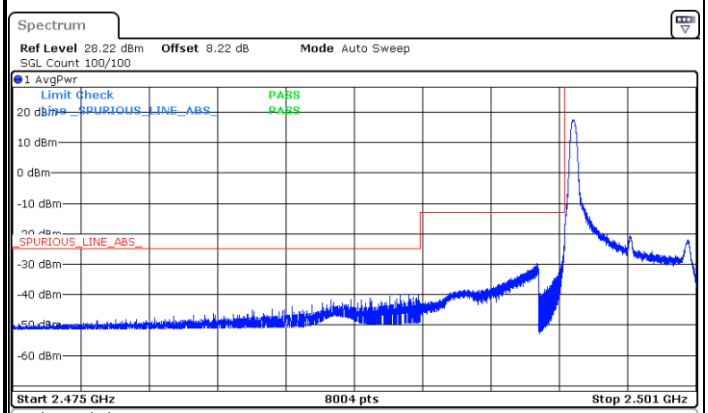
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68781 GHz	4.26 dBm	-25.74 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-30.06 dBm	-20.06 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-25.95 dBm	-15.95 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69519 GHz	-33.49 dBm	-20.49 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69607 GHz	-34.61 dBm	-9.61 dB

Date: 13.APR.2023 11:20:26

LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

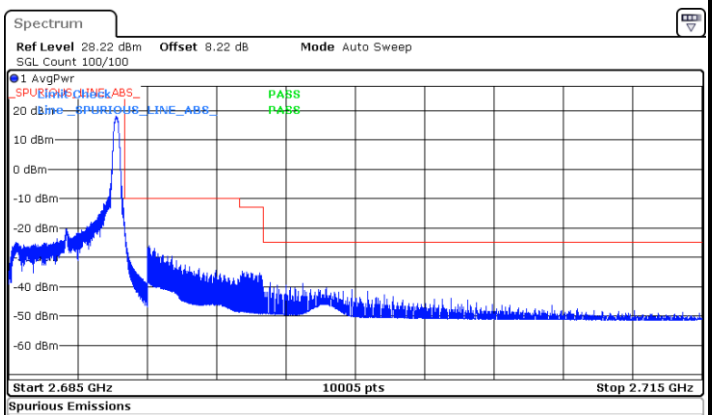


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48974 GHz	-40.03 dBm	-15.03 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-29.70 dBm	-16.70 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-22.39 dBm	-9.39 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49632 GHz	17.54 dBm	-12.46 dB

Date: 13.APR.2023 11:11:50

Highest Band Edge / 1 RB

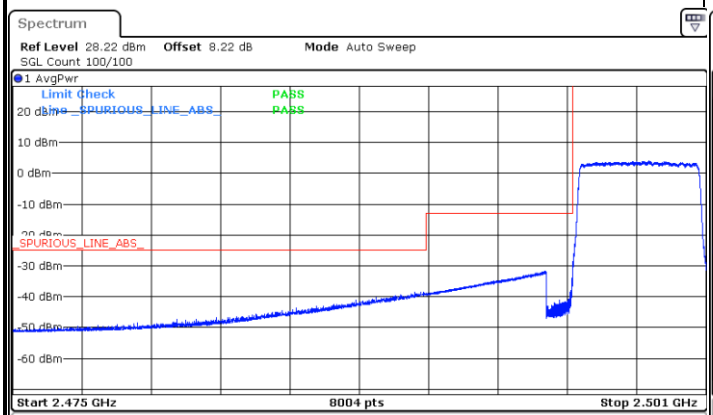


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68963 GHz	17.98 dBm	-12.02 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-19.14 dBm	-9.14 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-26.22 dBm	-16.22 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69509 GHz	-34.75 dBm	-21.75 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69630 GHz	-38.51 dBm	-13.51 dB

Date: 13.APR.2023 11:18:45

Lowest Band Edge / Full RB

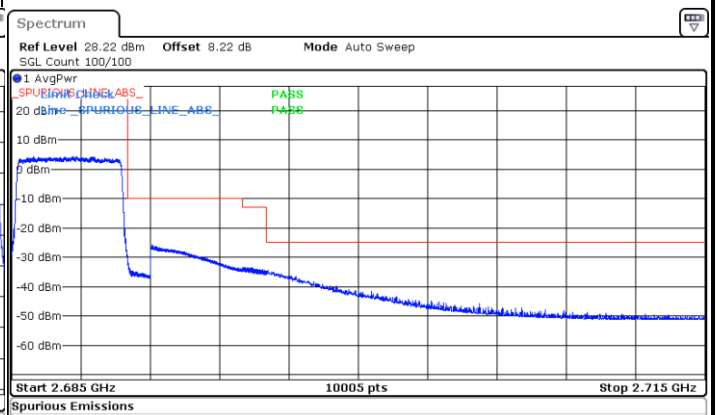


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49030 GHz	-38.46 dBm	-13.46 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-31.78 dBm	-18.78 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-33.29 dBm	-20.29 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49887 GHz	3.95 dBm	-26.05 dB

Date: 13.APR.2023 11:13:37

Highest Band Edge / Full RB



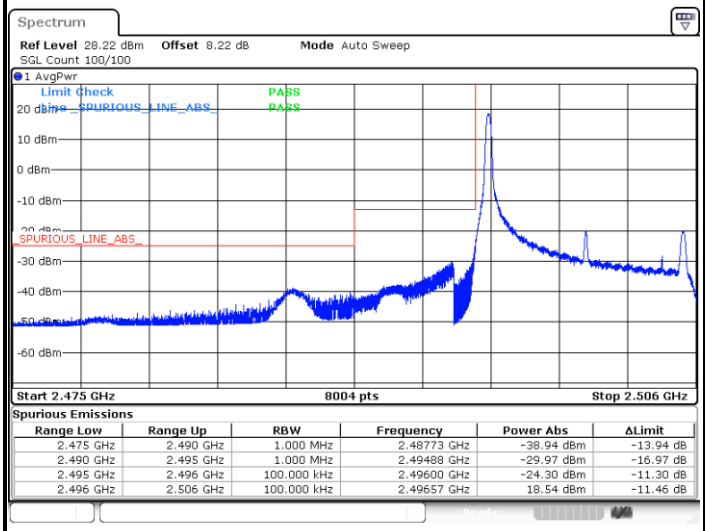
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68781 GHz	4.26 dBm	-25.74 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-30.06 dBm	-20.06 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-25.95 dBm	-15.95 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69519 GHz	-33.49 dBm	-20.49 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69607 GHz	-34.61 dBm	-9.61 dB

Date: 13.APR.2023 11:20:26

LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

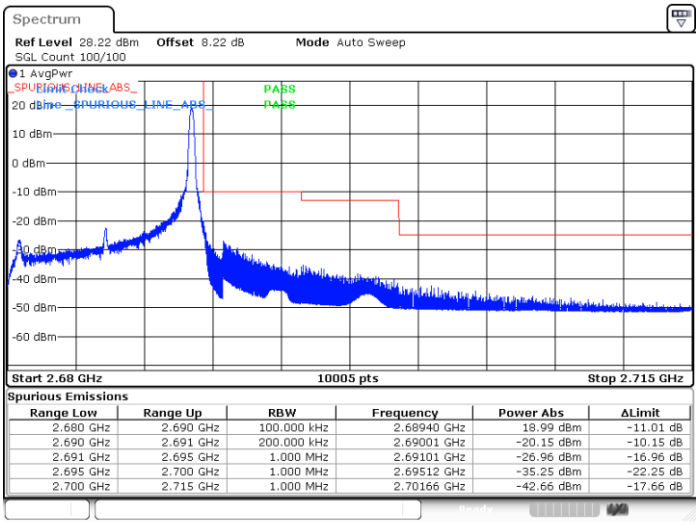


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48773 GHz	-38.94 dBm	-13.94 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-29.97 dBm	-16.97 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-24.30 dBm	-11.30 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49657 GHz	18.54 dBm	-11.46 dB

Date: 13.APR.2023 11:28:31

Highest Band Edge / 1 RB

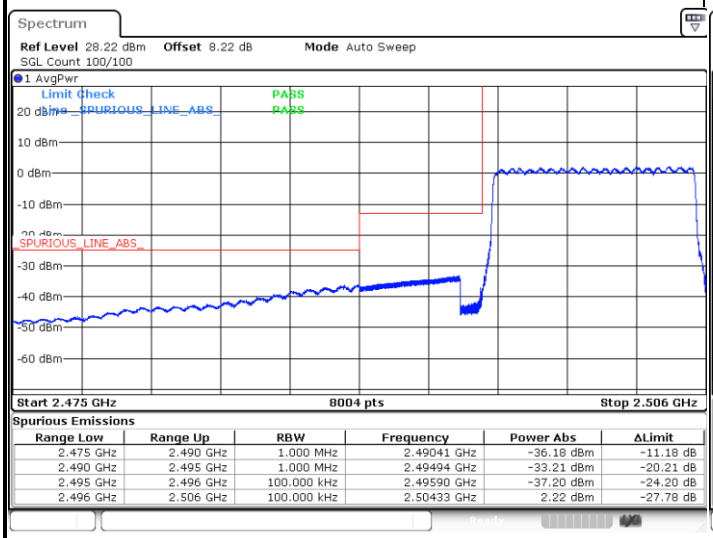


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68940 GHz	18.99 dBm	-11.01 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-20.15 dBm	-10.15 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-26.96 dBm	-16.96 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69512 GHz	-35.25 dBm	-22.25 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70166 GHz	-42.66 dBm	-17.66 dB

Date: 13.APR.2023 11:35:31

Lowest Band Edge / Full RB

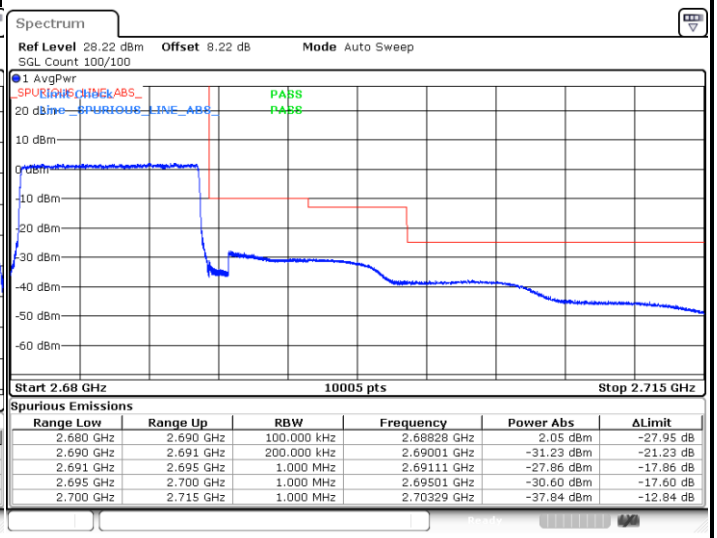


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49041 GHz	-36.18 dBm	-11.18 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-33.21 dBm	-20.21 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49590 GHz	-37.20 dBm	-24.20 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50433 GHz	2.22 dBm	-27.78 dB

Date: 13.APR.2023 11:33:50

Highest Band Edge / Full RB



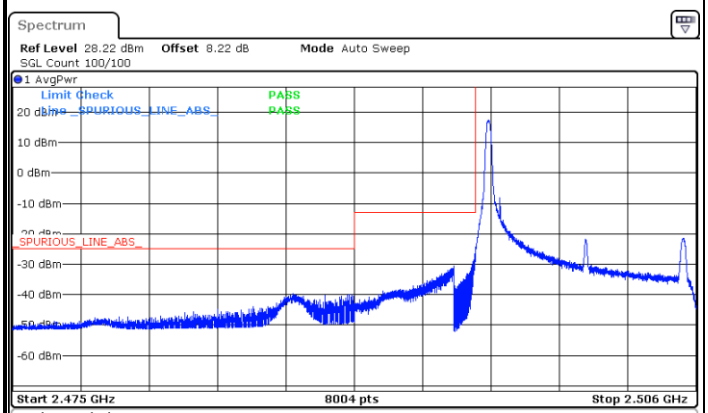
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68828 GHz	2.05 dBm	-27.95 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-31.23 dBm	-21.23 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-27.86 dBm	-17.86 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69501 GHz	-30.60 dBm	-17.60 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70329 GHz	-37.84 dBm	-12.84 dB

Date: 13.APR.2023 11:42:09

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

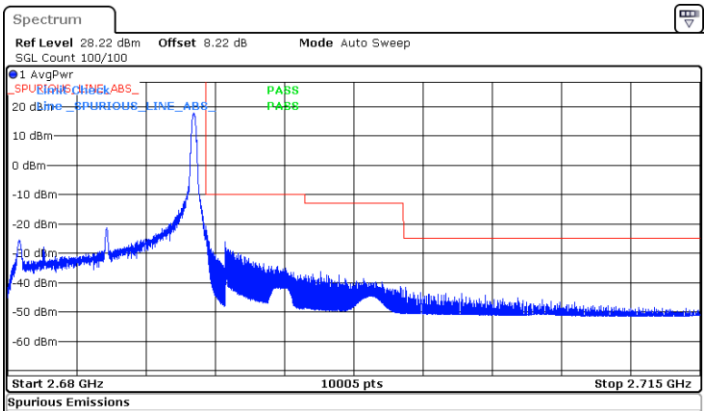


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48770 GHz	-39.64 dBm	-14.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49500 GHz	-30.63 dBm	-17.63 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-25.35 dBm	-12.35 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49660 GHz	17.32 dBm	-12.68 dB

Date: 13.APR.2023 11:30:17

Highest Band Edge / 1 RB

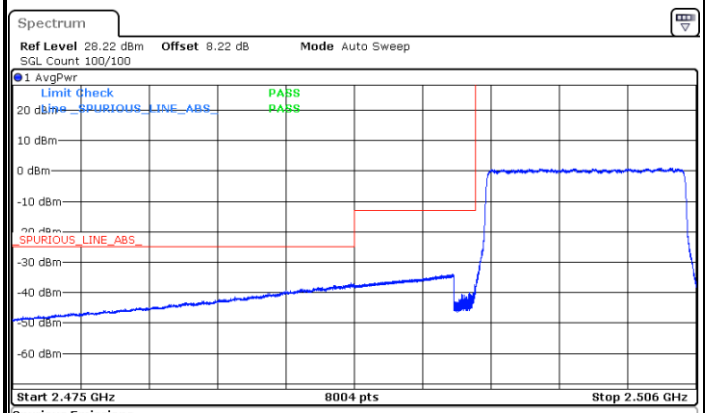


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68940 GHz	17.67 dBm	-12.33 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-20.80 dBm	-10.80 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-26.19 dBm	-16.19 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69580 GHz	-36.23 dBm	-23.23 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70011 GHz	-41.54 dBm	-16.54 dB

Date: 13.APR.2023 11:38:47

Lowest Band Edge / Full RB

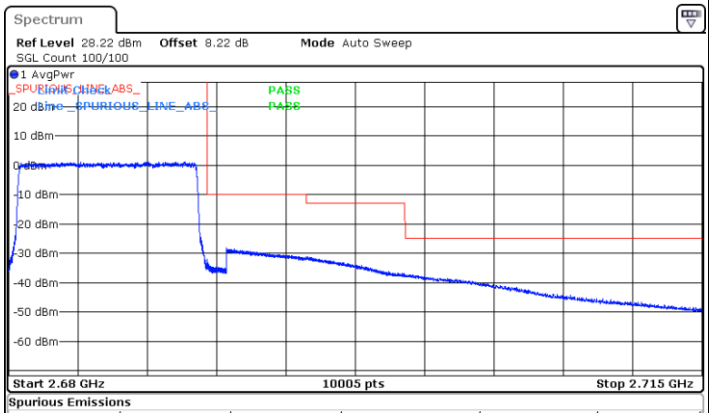


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-36.89 dBm	-11.89 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-34.01 dBm	-21.01 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49596 GHz	-37.39 dBm	-24.39 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50488 GHz	1.09 dBm	-28.91 dB

Date: 13.APR.2023 11:32:04

Highest Band Edge / Full RB



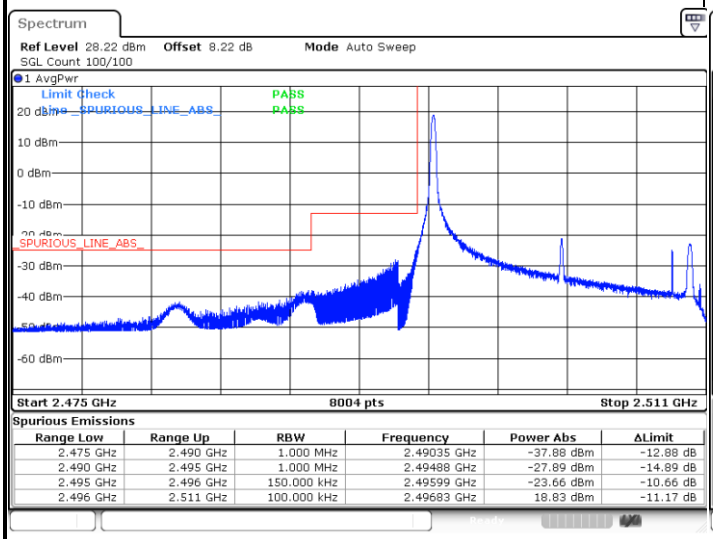
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68843 GHz	1.11 dBm	-28.89 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-32.19 dBm	-22.19 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-28.15 dBm	-18.15 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69504 GHz	-31.19 dBm	-18.19 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70003 GHz	-37.35 dBm	-12.35 dB

Date: 13.APR.2023 11:40:27

LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

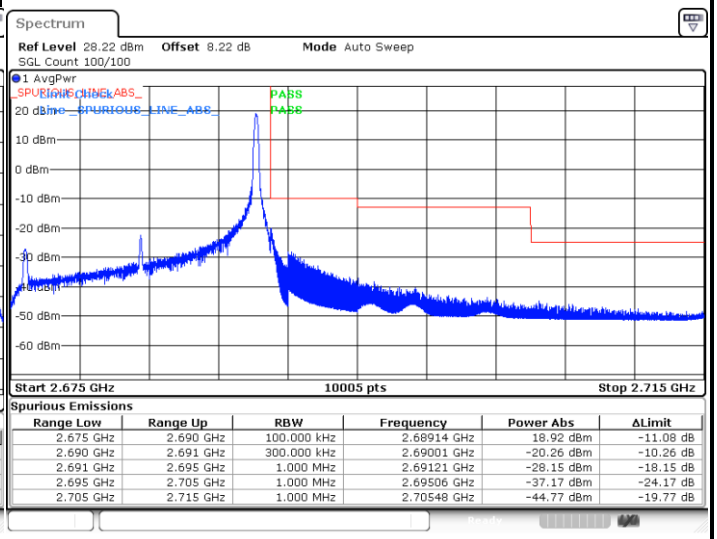


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49035 GHz	-37.88 dBm	-12.88 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-27.89 dBm	-14.89 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-23.66 dBm	-10.66 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49683 GHz	18.83 dBm	-11.17 dB

Date: 13.APR.2023 11:48:28

Highest Band Edge / 1 RB

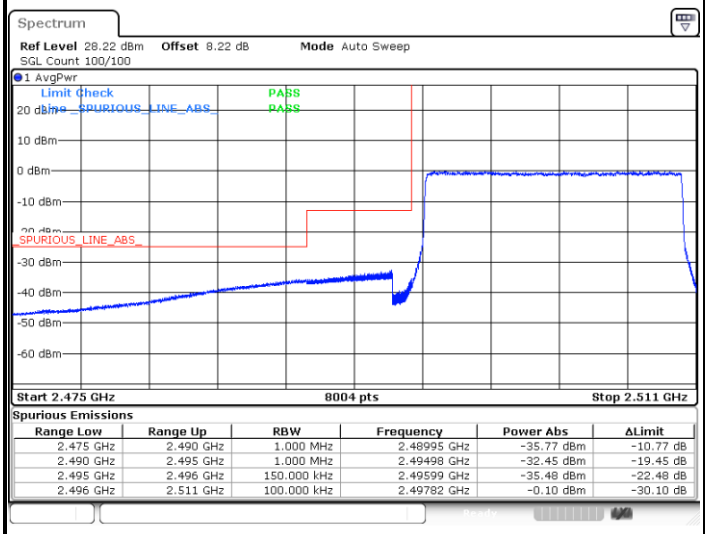


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68914 GHz	18.92 dBm	-11.08 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-20.26 dBm	-10.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-28.15 dBm	-18.15 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69506 GHz	-37.17 dBm	-24.17 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70548 GHz	-44.77 dBm	-19.77 dB

Date: 13.APR.2023 11:55:17

Lowest Band Edge / Full RB

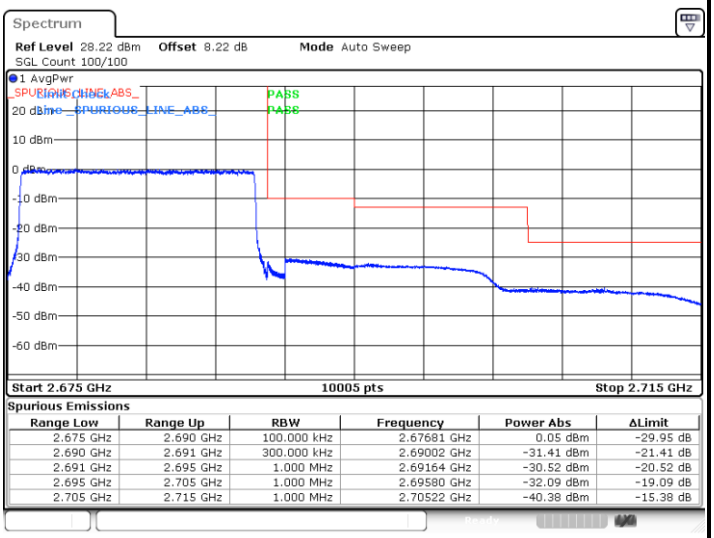


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-35.77 dBm	-10.77 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-32.45 dBm	-19.45 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-35.48 dBm	-22.48 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49782 GHz	-0.10 dBm	-30.10 dB

Date: 13.APR.2023 11:53:36

Highest Band Edge / Full RB



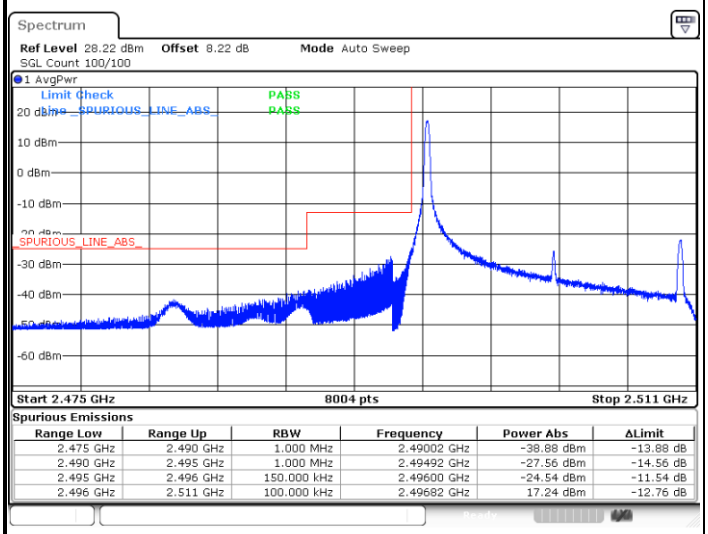
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67681 GHz	0.05 dBm	-29.95 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-31.41 dBm	-21.41 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69164 GHz	-30.52 dBm	-20.52 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69580 GHz	-32.09 dBm	-19.09 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70522 GHz	-40.38 dBm	-15.38 dB

Date: 13.APR.2023 12:00:19

LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

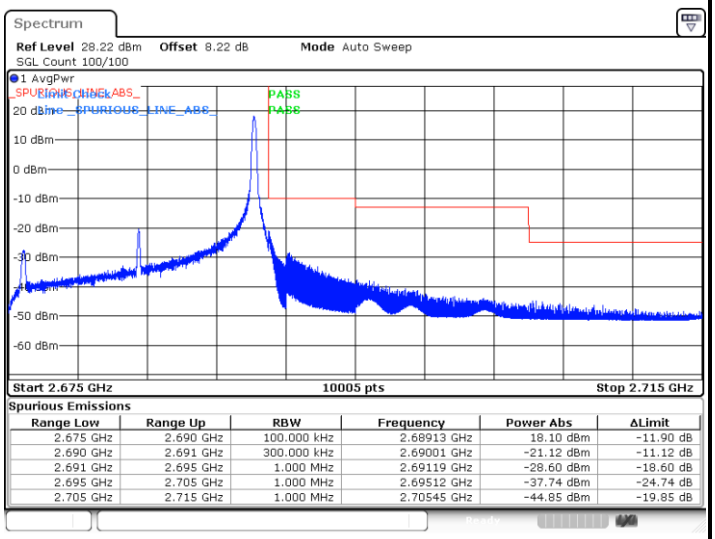


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49002 GHz	-38.88 dBm	-13.88 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-27.56 dBm	-14.56 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49600 GHz	-24.54 dBm	-11.54 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49682 GHz	17.24 dBm	-12.76 dB

Date: 13.APR.2023 11:50:10

Highest Band Edge / 1 RB

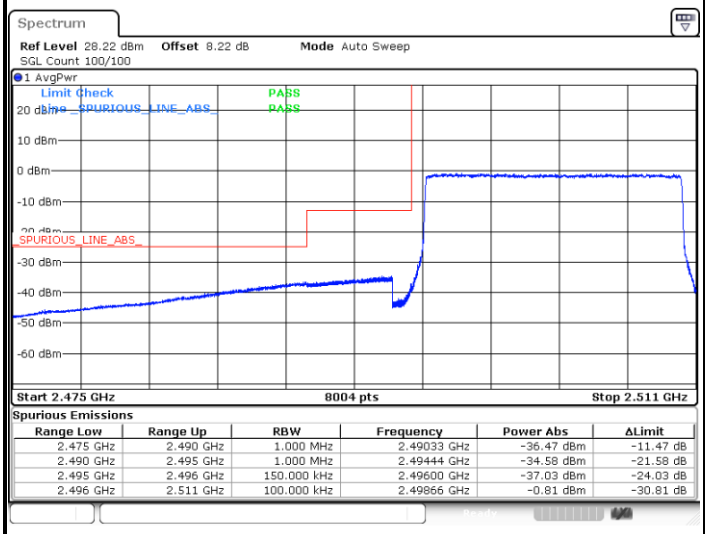


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68913 GHz	18.10 dBm	-11.90 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-21.12 dBm	-11.12 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69119 GHz	-28.60 dBm	-18.60 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69512 GHz	-37.74 dBm	-24.74 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70545 GHz	-44.85 dBm	-19.85 dB

Date: 13.APR.2023 11:56:57

Lowest Band Edge / Full RB

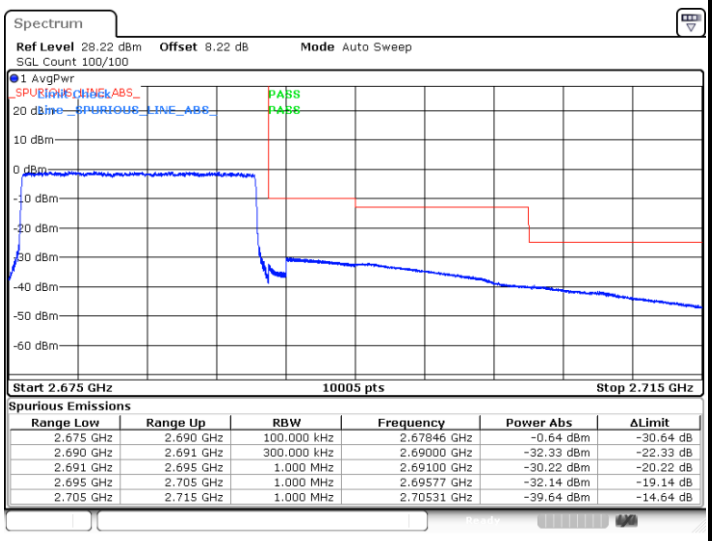


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-36.47 dBm	-11.47 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49444 GHz	-34.58 dBm	-21.58 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49600 GHz	-37.03 dBm	-24.03 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49866 GHz	-0.81 dBm	-30.81 dB

Date: 13.APR.2023 11:51:53

Highest Band Edge / Full RB



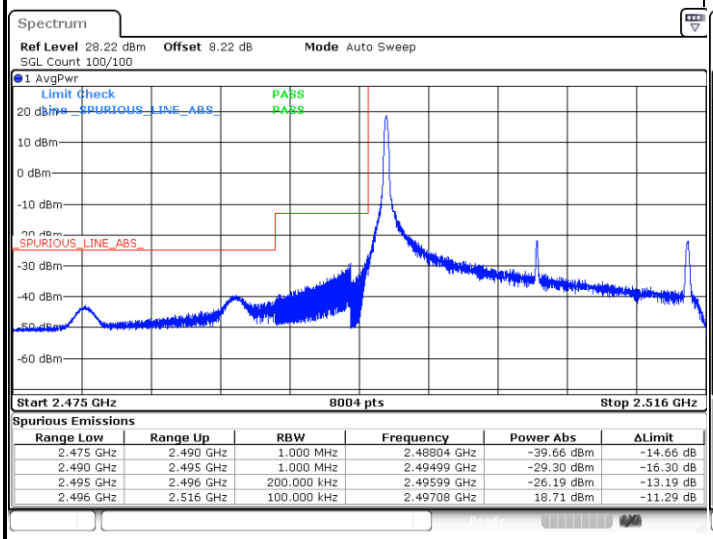
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67846 GHz	-0.64 dBm	-30.64 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-32.33 dBm	-22.33 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-30.22 dBm	-20.22 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69577 GHz	-32.14 dBm	-19.14 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70531 GHz	-39.64 dBm	-14.64 dB

Date: 13.APR.2023 11:58:38

LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

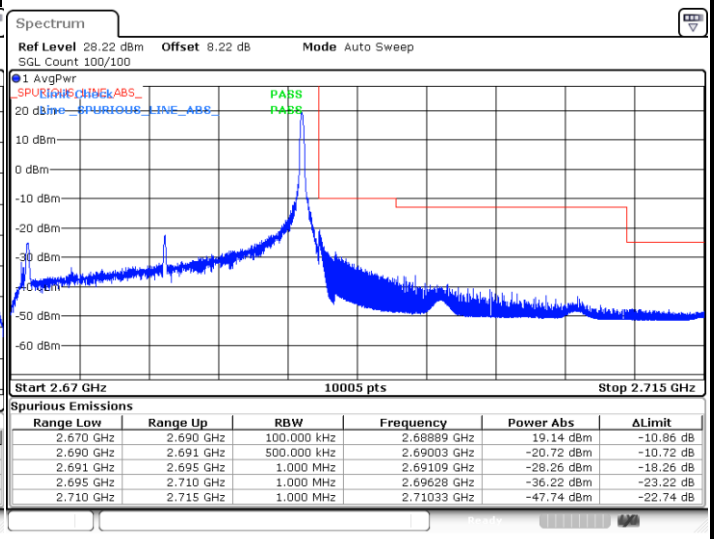


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48804 GHz	-39.66 dBm	-14.66 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-29.30 dBm	-16.30 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49599 GHz	-26.19 dBm	-13.19 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49708 GHz	18.71 dBm	-11.29 dB

Date: 13.APR.2023 12:06:38

Highest Band Edge / 1 RB

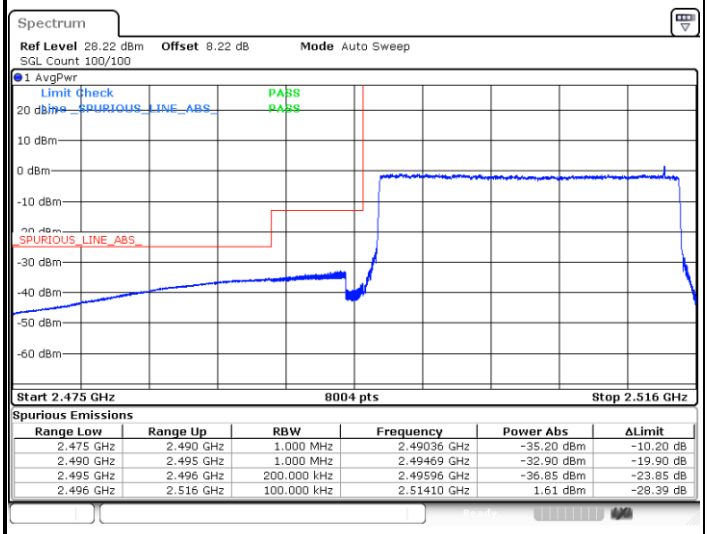


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68889 GHz	19.14 dBm	-10.86 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69003 GHz	-20.72 dBm	-10.72 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-28.26 dBm	-18.26 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69628 GHz	-36.22 dBm	-23.22 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71033 GHz	-47.74 dBm	-22.74 dB

Date: 13.APR.2023 12:13:25

Lowest Band Edge / Full RB

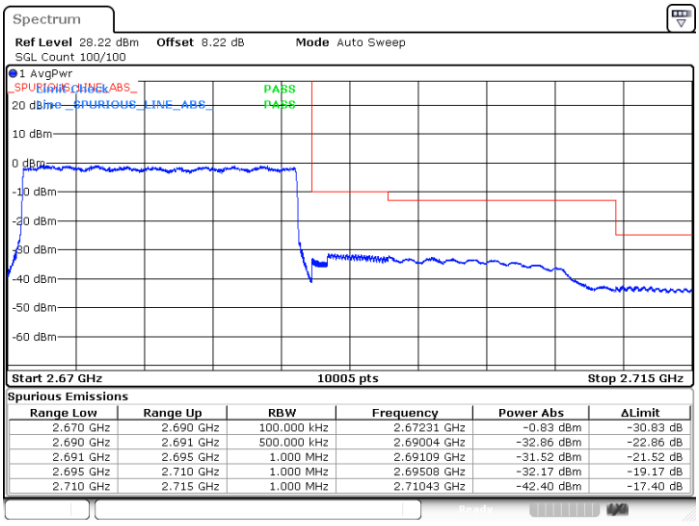


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-35.20 dBm	-10.20 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49469 GHz	-32.90 dBm	-19.90 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49596 GHz	-36.85 dBm	-23.85 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51410 GHz	1.61 dBm	-28.39 dB

Date: 13.APR.2023 12:11:45

Highest Band Edge / Full RB



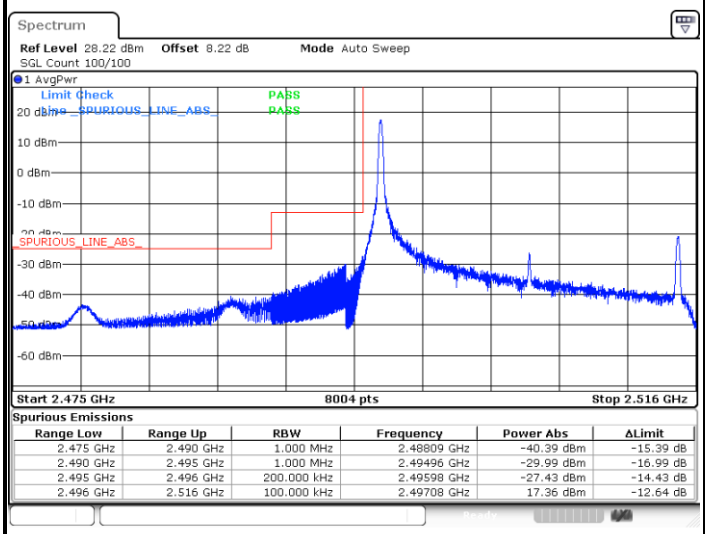
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67231 GHz	-0.83 dBm	-30.83 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-32.86 dBm	-22.86 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-31.52 dBm	-21.52 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69508 GHz	-32.17 dBm	-19.17 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71043 GHz	-42.40 dBm	-17.40 dB

Date: 13.APR.2023 12:18:27

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

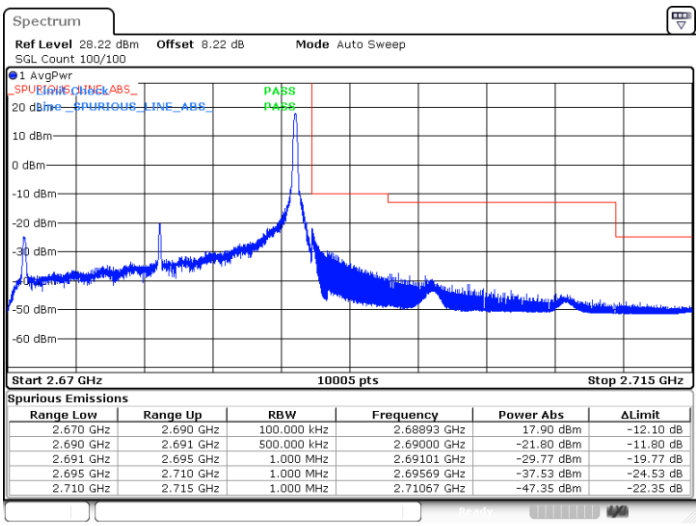


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48809 GHz	-40.39 dBm	-15.39 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-29.99 dBm	-16.99 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49598 GHz	-27.43 dBm	-14.43 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49708 GHz	17.36 dBm	-12.64 dB

Date: 13.APR.2023 12:08:20

Highest Band Edge / 1 RB

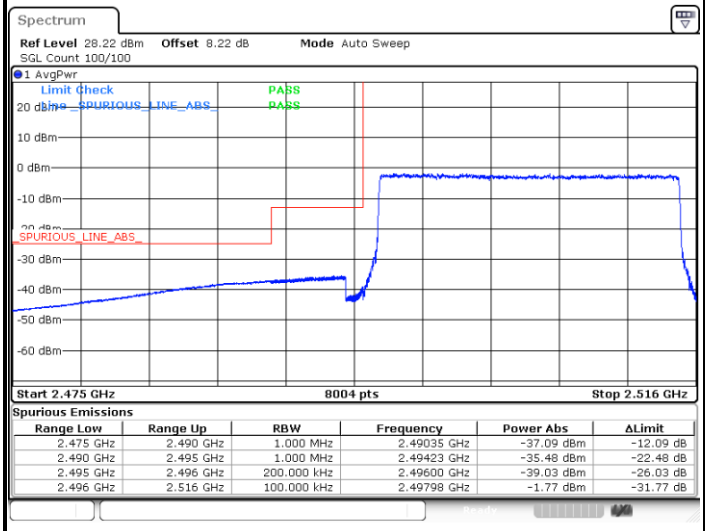


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68893 GHz	17.90 dBm	-12.10 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-21.80 dBm	-11.80 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-29.77 dBm	-19.77 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69569 GHz	-37.53 dBm	-24.53 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71067 GHz	-47.35 dBm	-22.35 dB

Date: 13.APR.2023 12:15:06

Lowest Band Edge / Full RB

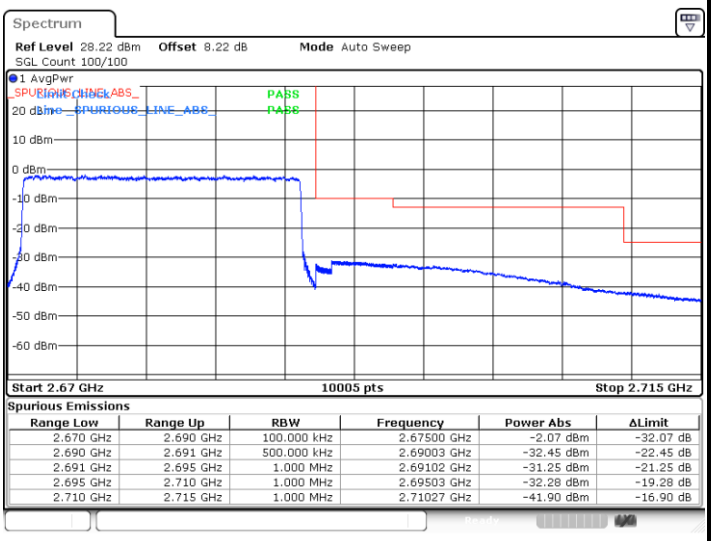


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49035 GHz	-37.09 dBm	-12.09 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49423 GHz	-35.48 dBm	-22.48 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49600 GHz	-39.03 dBm	-26.03 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49798 GHz	-1.77 dBm	-31.77 dB

Date: 13.APR.2023 12:10:02

Highest Band Edge / Full RB



Spurious Emissions

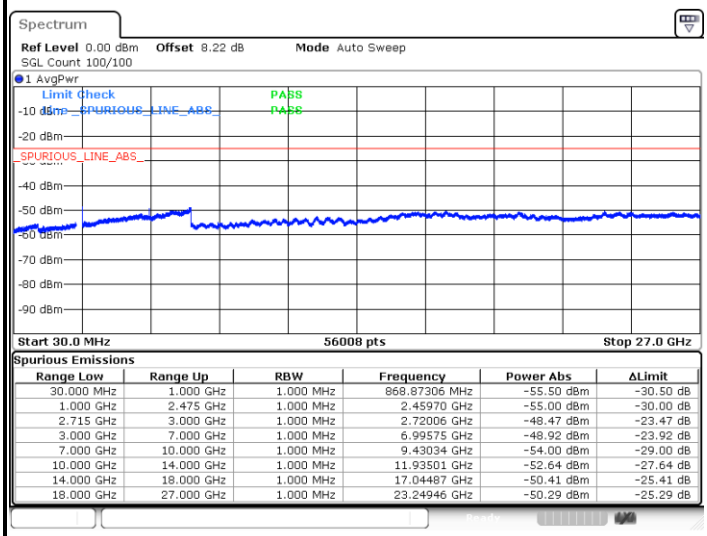
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67500 GHz	-2.07 dBm	-32.07 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69003 GHz	-32.45 dBm	-22.45 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-31.25 dBm	-21.25 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69503 GHz	-32.28 dBm	-19.28 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71027 GHz	-41.90 dBm	-16.90 dB

Date: 13.APR.2023 12:16:46

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

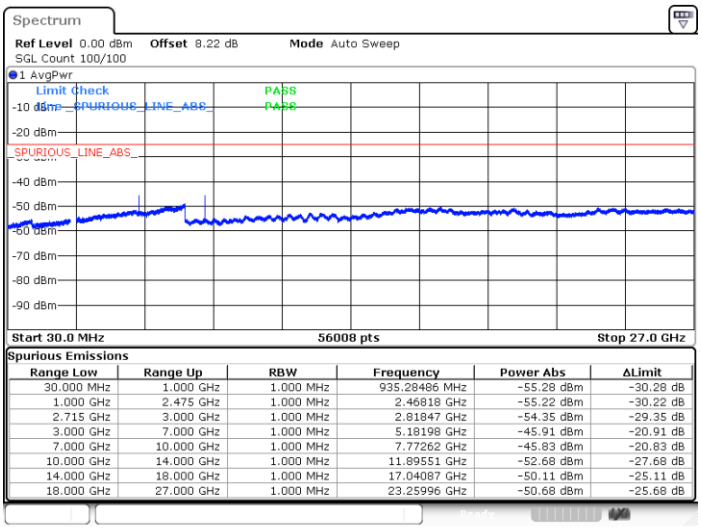


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.87306 MHz	-55.50 dBm	-30.50 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45970 GHz	-55.00 dBm	-30.00 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72006 GHz	-48.47 dBm	-23.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-48.92 dBm	-23.92 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.43034 GHz	-54.00 dBm	-29.00 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.93501 GHz	-52.64 dBm	-27.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.04487 GHz	-50.41 dBm	-25.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.24946 GHz	-50.29 dBm	-25.29 dB

Date: 13.APR.2023 11:26:43

Middle Channel / QPSK

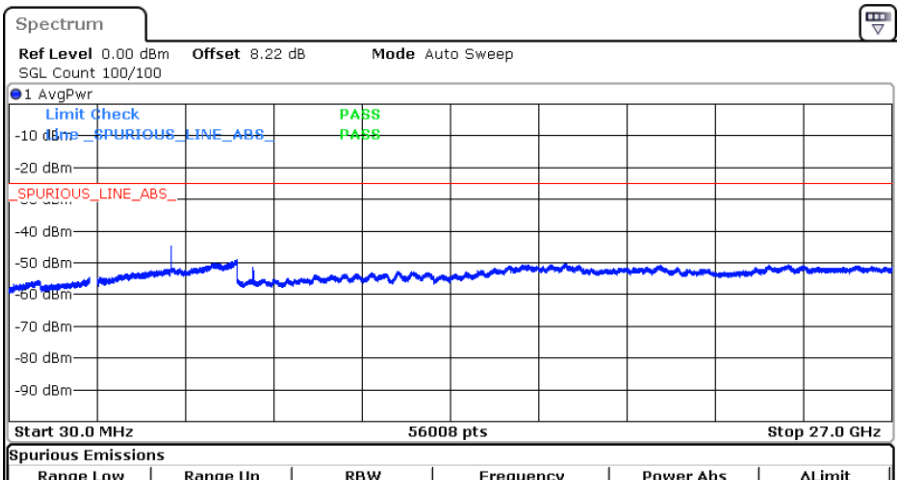


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-55.28 dBm	-30.28 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46818 GHz	-55.22 dBm	-30.22 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.81847 GHz	-54.35 dBm	-29.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.18198 GHz	-45.91 dBm	-20.91 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.77262 GHz	-45.83 dBm	-20.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.89551 GHz	-52.68 dBm	-27.68 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.04087 GHz	-50.11 dBm	-25.11 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.25996 GHz	-50.68 dBm	-25.68 dB

Date: 13.APR.2023 11:25:11

Highest Channel / QPSK



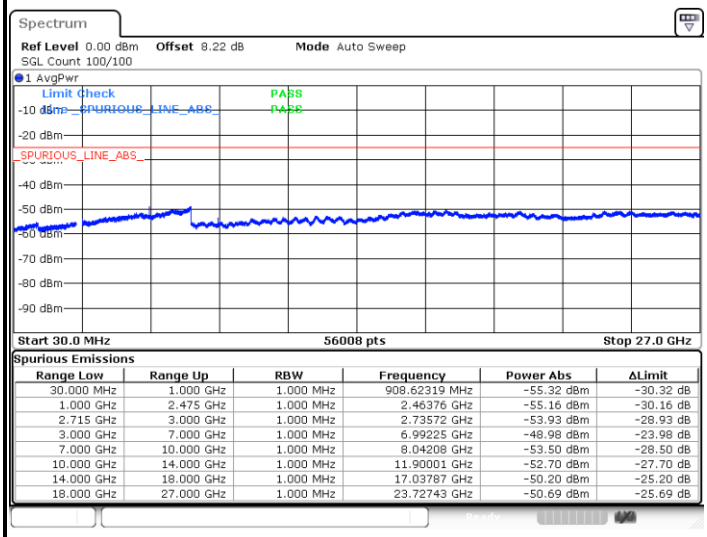
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-55.55 dBm	-30.55 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47408 GHz	-54.54 dBm	-29.54 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.81648 GHz	-54.47 dBm	-29.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99300 GHz	-44.65 dBm	-19.65 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.48917 GHz	-51.43 dBm	-26.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.90301 GHz	-52.71 dBm	-27.71 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.04837 GHz	-50.20 dBm	-25.20 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92014 GHz	-50.58 dBm	-25.58 dB

Date: 13.APR.2023 11:23:39

LTE Band 41 / 10MHz

Lowest Channel / QPSK

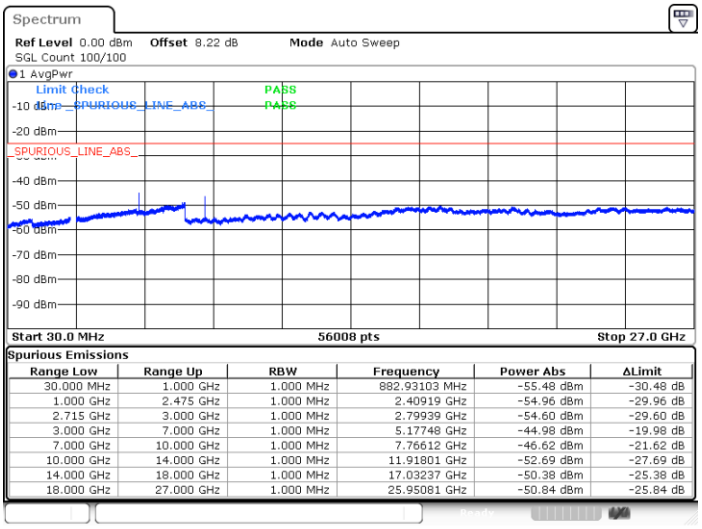


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-55.32 dBm	-30.32 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46376 GHz	-55.16 dBm	-30.16 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.73572 GHz	-53.93 dBm	-28.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-48.98 dBm	-23.98 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.04208 GHz	-53.50 dBm	-28.50 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.90001 GHz	-52.70 dBm	-27.70 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.03787 GHz	-50.20 dBm	-25.20 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.72743 GHz	-50.69 dBm	-25.69 dB

Date: 13.APR.2023 11:46:44

Middle Channel / QPSK

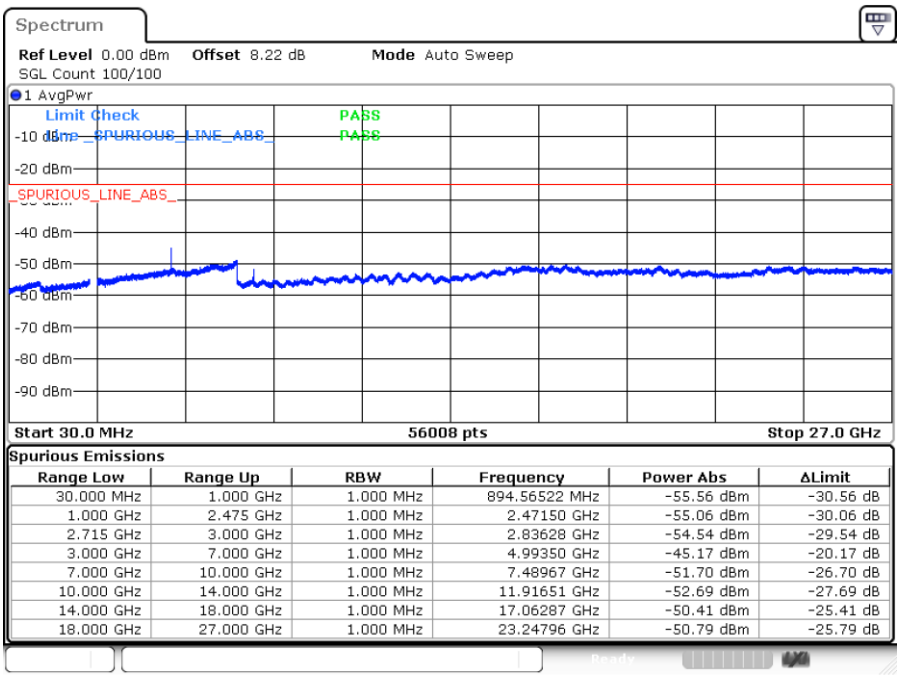


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.93103 MHz	-55.48 dBm	-30.48 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.40919 GHz	-54.96 dBm	-29.96 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.79939 GHz	-54.60 dBm	-29.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17748 GHz	-44.98 dBm	-19.98 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.76612 GHz	-46.62 dBm	-21.62 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.91801 GHz	-52.69 dBm	-27.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.03237 GHz	-50.38 dBm	-25.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.95081 GHz	-50.84 dBm	-25.84 dB

Date: 13.APR.2023 11:45:12

Highest Channel / QPSK



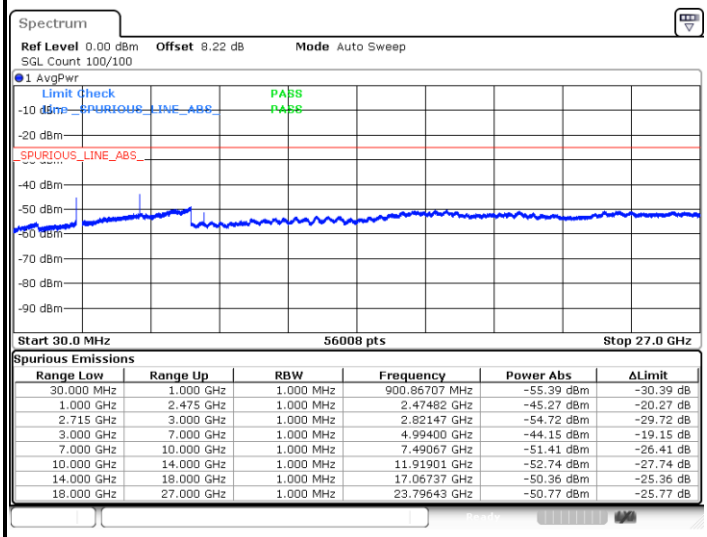
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-55.56 dBm	-30.56 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47150 GHz	-55.06 dBm	-30.06 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.83628 GHz	-54.54 dBm	-29.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99350 GHz	-45.17 dBm	-20.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.48967 GHz	-51.70 dBm	-26.70 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.91651 GHz	-52.69 dBm	-27.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.06287 GHz	-50.41 dBm	-25.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.24796 GHz	-50.79 dBm	-25.79 dB

Date: 13.APR.2023 11:43:41

LTE Band 41 / 15MHz

Lowest Channel / QPSK

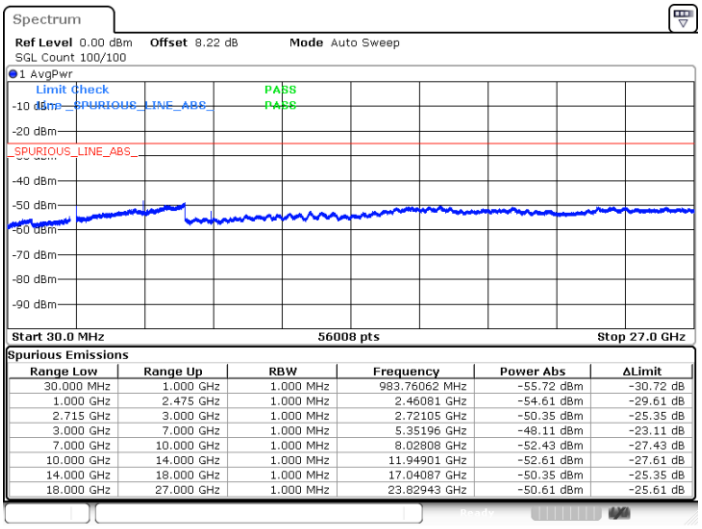


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-55.39 dBm	-30.39 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47482 GHz	-45.27 dBm	-20.27 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.82147 GHz	-54.72 dBm	-29.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99400 GHz	-44.15 dBm	-19.15 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.49067 GHz	-51.41 dBm	-26.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.91901 GHz	-52.74 dBm	-27.74 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.06737 GHz	-50.36 dBm	-25.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.79643 GHz	-50.77 dBm	-25.77 dB

Date: 13.APR.2023 12:01:51

Middle Channel / QPSK

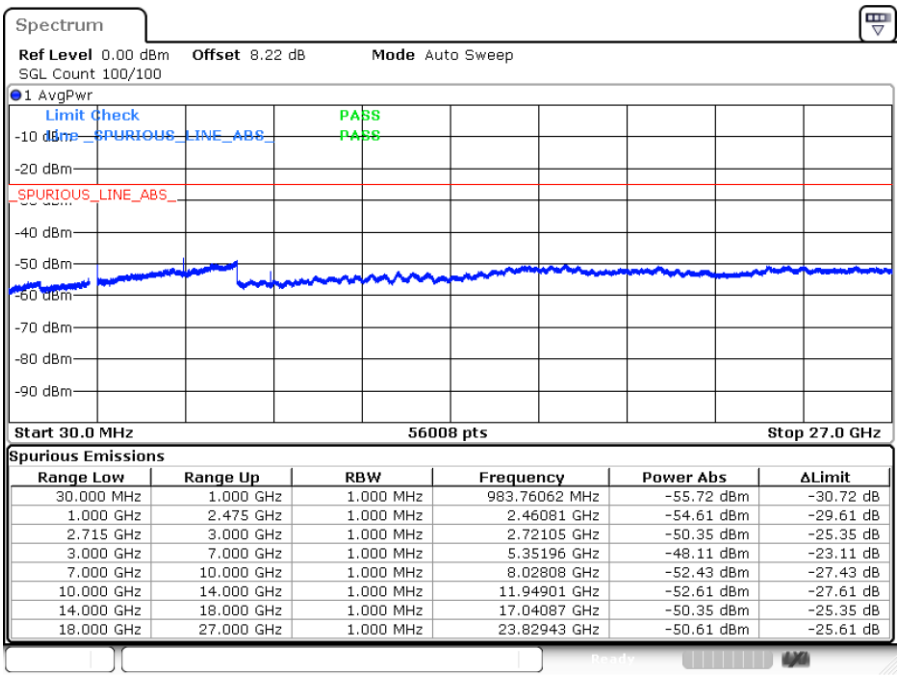


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-55.72 dBm	-30.72 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46081 GHz	-54.61 dBm	-29.61 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72105 GHz	-50.35 dBm	-25.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.35196 GHz	-48.11 dBm	-23.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.02808 GHz	-52.43 dBm	-27.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.94901 GHz	-52.61 dBm	-27.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.04087 GHz	-50.35 dBm	-25.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.82943 GHz	-50.61 dBm	-25.61 dB

Date: 13.APR.2023 12:04:55

Highest Channel / QPSK



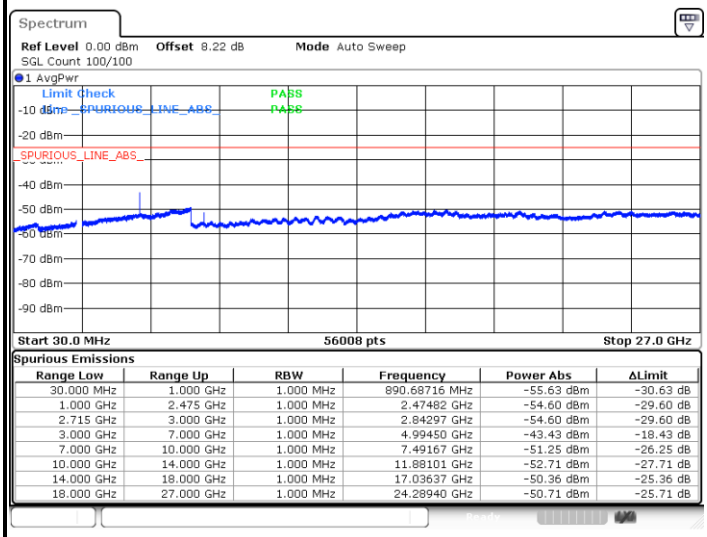
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-55.72 dBm	-30.72 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46081 GHz	-54.61 dBm	-29.61 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72105 GHz	-50.35 dBm	-25.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.35196 GHz	-48.11 dBm	-23.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.02808 GHz	-52.43 dBm	-27.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.94901 GHz	-52.61 dBm	-27.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.04087 GHz	-50.35 dBm	-25.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.82943 GHz	-50.61 dBm	-25.61 dB

Date: 13.APR.2023 12:04:55

LTE Band 41 / 20MHz

Lowest Channel / QPSK

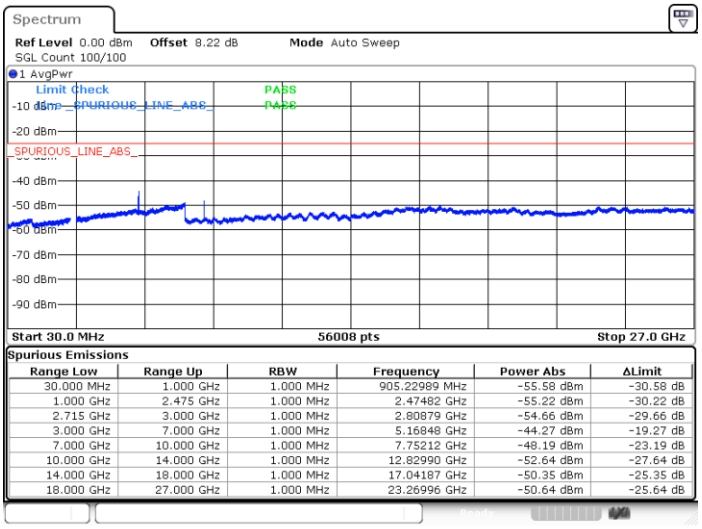


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-55.63 dBm	-30.63 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47482 GHz	-54.60 dBm	-29.60 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.84297 GHz	-54.60 dBm	-29.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99450 GHz	-43.43 dBm	-18.43 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.49167 GHz	-51.25 dBm	-26.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.88101 GHz	-52.71 dBm	-27.71 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.03637 GHz	-50.36 dBm	-25.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	24.28940 GHz	-50.71 dBm	-25.71 dB

Date: 13.APR.2023 12:19:58

Middle Channel / QPSK

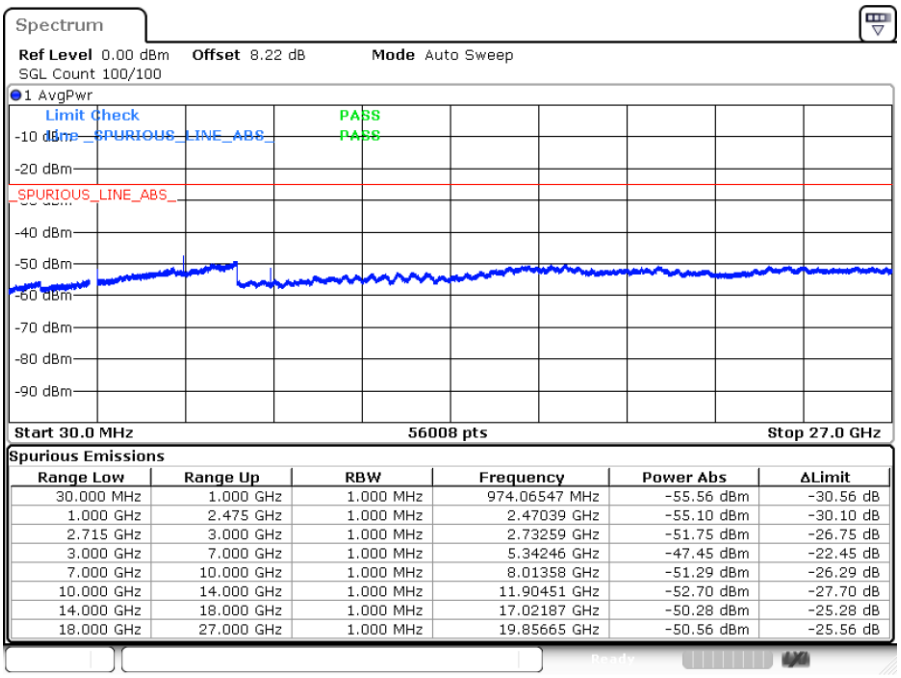


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-55.58 dBm	-30.58 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47482 GHz	-55.22 dBm	-30.22 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.80879 GHz	-54.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.16848 GHz	-44.27 dBm	-19.27 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.75212 GHz	-48.19 dBm	-23.19 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.82990 GHz	-52.64 dBm	-27.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.04187 GHz	-50.35 dBm	-25.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	23.26996 GHz	-50.64 dBm	-25.64 dB

Date: 13.APR.2023 12:21:31

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.06547 MHz	-55.56 dBm	-30.56 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47039 GHz	-55.10 dBm	-30.10 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.73259 GHz	-51.75 dBm	-26.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.34246 GHz	-47.45 dBm	-22.45 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.01358 GHz	-51.29 dBm	-26.29 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.90451 GHz	-52.70 dBm	-27.70 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.02187 GHz	-50.28 dBm	-25.28 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.85665 GHz	-50.56 dBm	-25.56 dB

Date: 13.APR.2023 12:23:03

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0101	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0105	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0121	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0142	
20	Maximum Voltage	0.0272	
20	Normal Voltage	0.0102	
20	Battery End Point	0.0143	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.00	-61.46	-25	-36.46	-78.73	-67.02	7.14	12.70	H
	7752.00	-55.73	-25	-30.73	-78.30	-59.03	8.30	11.60	H
	10336.00	-52.53	-25	-27.53	-79.34	-54.05	10.48	12.00	H
	5168.00	-61.41	-25	-36.41	-78.63	-66.97	7.14	12.70	V
	7752.00	-55.89	-25	-30.89	-78.43	-59.19	8.30	11.60	V
	10336.00	-52.62	-25	-27.62	-79.2	-54.14	10.48	12.00	V

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