FCC RF Test Report

APPLICANT	:	Xiaomi Communications Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	Xiaomi
MODEL NAME	:	XIG04
FCC ID	:	2AFZZN60R
STANDARD	:	47 CFR Part 2, 27(M)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Jun. 06, 2023 ~ Jun. 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.

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
FG350505-01A	Rev. 01	Initial issue of report	Jul. 04, 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 41)	EIRP < 2Watt		-
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 41)	§27.53(m)(4)	PASS	-
3.8	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (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 41)	< $55+10\log_{10}$(P[Watts])	PASS	Under limit 36.27 dB at 10300.00 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

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	XIG04
FCC ID	2AFZZN60R
IMEI Code	Conducted: 866263060006282/866263060006290 Radiation: 866263060002620/866263060002638
HW Version	P2.0
SW Version	MIUI 14
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
Rx Frequency	LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	Ant1:LTE Band 41C : 21.13 dBm Ant2:LTE Band 41C : 22.63 dBm Ant3:LTE Band 41C : 20.93 dBm Ant4:LTE Band 41C : 23.53 dBm
Antenna Gain	Ant1:LTE Band 41C : -4.5 dBi Ant2:LTE Band 41C : -4.9 dBi Ant3:LTE Band 41C : -6.3 dBi Ant4:LTE Band 41C : -1.5 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM(Downlink Only)

Remark: The maximum EIRP is calculated from max output power and max antenna gain, so only the maximum EIRP of Ant.4 for LTE Band 41C is shown in the report.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

LTE Band 41 CA	QPSK		16QAM/64QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz	0.1507	23M3G7D	0.1285	23M3W7D
20MHz+5MHz	0.1545	23M3G7D	0.1276	23M4W7D
10MHz+15MHz	0.1510	23M2G7D	0.1259	23M5W7D
15MHz+10MHz	0.1563	23M4G7D	0.1250	23M3W7D
10MHz+20MHz	0.1507	27M9G7D	0.1247	28M1W7D
20MHz+10MHz	0.1514	28M1G7D	0.1262	28M0W7D
15MHz+15MHz	0.1538	28M5G7D	0.1300	28M7W7D
15MHz+20MHz	0.1531	32M7G7D	0.1300	32M7W7D
20MHz+15MHz	0.1574	32M8G7D	0.1245	33M0W7D
20MHz+20MHz	0.1596	37M6G7D	0.1334	37M9W7D

1.7 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

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24al

1.9 Applicable Standards

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

- 47 CFR Part 2, 27(M)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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

2 Test Configuration of Equipment Under Test

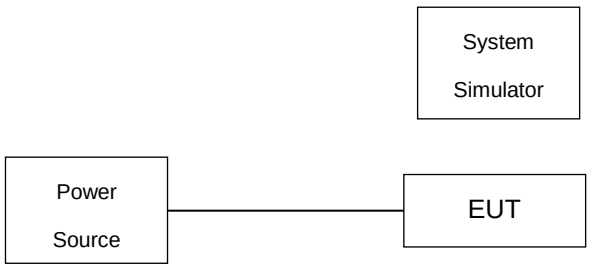
2.1 Test Mode

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

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

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	-	v			v	v	v
26dB and 99% Bandwidth	41C_CA	v	v	v	v	v	v	v	v	v	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
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
Frequency Stability	41C_CA	v										v			-	v				v	
Radiated Spurious Emission	41C_CA	Worst Case																		v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																				

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.0 dB.

Example :

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

= 6.0 (dB)

2.5 Frequency List of Low/Middle/High Channels

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

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

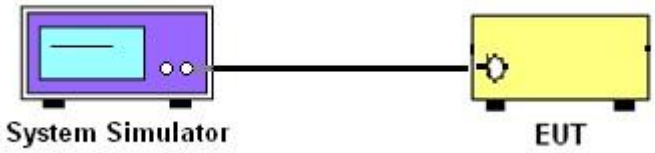
3 Conducted Test Items

3.1 Measuring Instruments

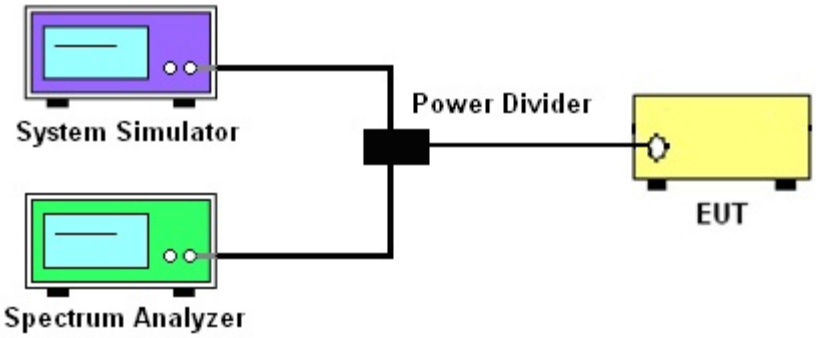
See list of measuring instruments of this test report.

3.2 Test Setup

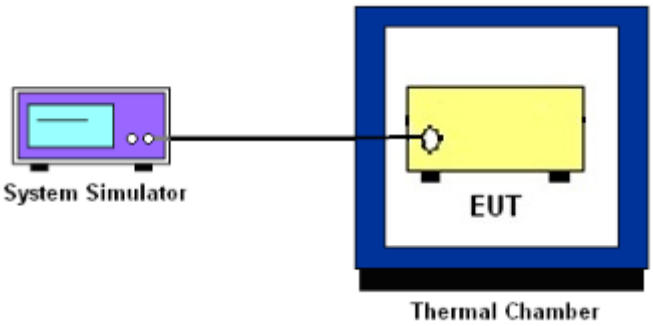
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 2 Watts for 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(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 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. 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.

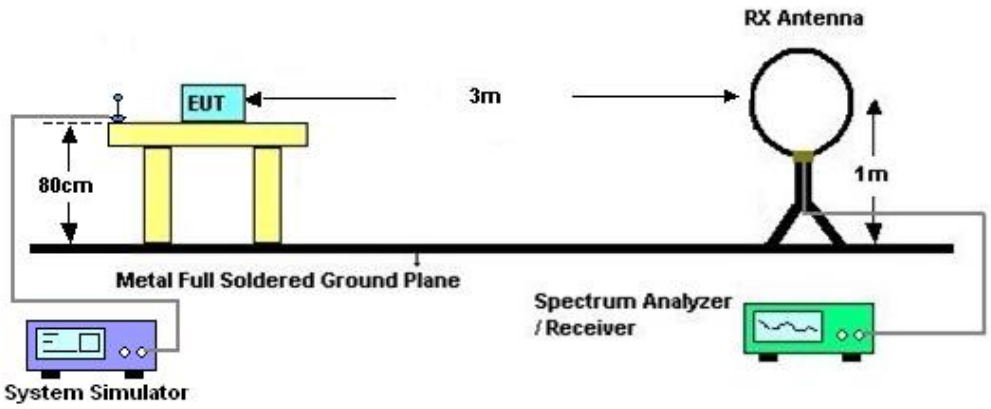
4 Radiated Test Items

4.1 Measuring Instruments

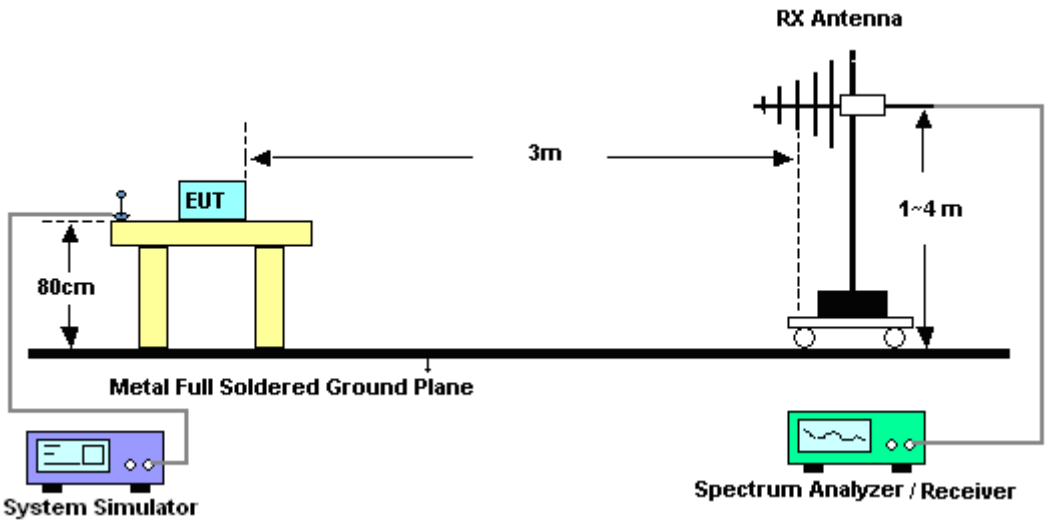
See list of measuring instruments of this test report.

4.2 Test Setup

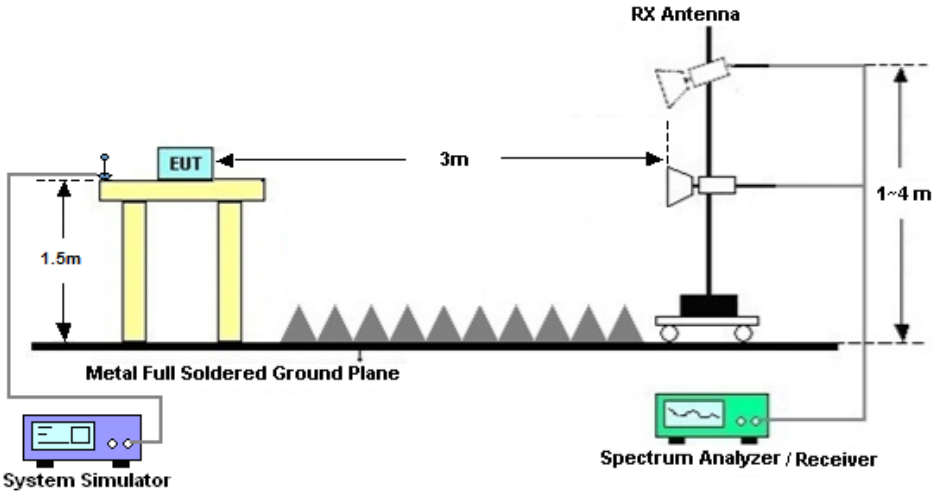
4.2.1 For radiated test below 30MHz



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 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.
    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. 12, 2022	Jun. 14, 2023~ Jun. 15, 2023	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	/	Jun. 14, 2023~ Jun. 15, 2023	/	Conducted (TH01-KS)
Temperature &humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 15, 2022	Jun. 14, 2023~ Jun. 15, 2023	Jul. 14, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 12, 2022	Jun. 06, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	Jun. 06, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Apr. 09, 2023	Jun. 06, 2023	Apr. 08, 2024	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Oct. 16, 2022	Jun. 06, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	Jun. 06, 2023	Jan. 07, 2024	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz-1GHz	Jul. 11, 2022	Jun. 06, 2023	Jul. 10, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2023	Jun. 06, 2023	Jan. 04, 2024	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 12, 2022	Jun. 06, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 12, 2022	Jun. 06, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 06, 2023	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 06, 2023	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 06, 2023	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 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))	3.82dB

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

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

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

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

Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and EIRP

LTE CA_41C (Ant.4):

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.53	0.1596
M	QPSK	1	Max	1	0	23.42	0.1556
H	QPSK	1	Max	1	0	23.50	0.1585
L	16QAM	1	Max	1	0	22.75	0.1334
M	16QAM	1	Max	1	0	22.56	0.1276
H	16QAM	1	Max	1	0	22.59	0.1285
L	64QAM	1	Max	1	0	22.61	0.1291
M	64QAM	1	Max	1	0	22.56	0.1276
H	64QAM	1	Max	1	0	22.59	0.1285
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.47	0.1574
L	16QAM	1	Max	1	0	22.45	0.1245
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.35	0.1531
L	16QAM	1	Max	1	0	22.64	0.1300
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.37	0.1538
L	16QAM	1	Max	1	0	22.64	0.1300
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.30	0.1514
L	16QAM	1	Max	1	0	22.51	0.1262

Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.28	0.1507
L	16QAM	1	Max	1	0	22.46	0.1247
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.44	0.1563
L	16QAM	1	Max	1	0	22.47	0.1250
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.29	0.1510
L	16QAM	1	Max	1	0	22.50	0.1259
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.39	0.1545
L	16QAM	1	Max	1	0	22.56	0.1276
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.28	0.1507
L	16QAM	1	Max	1	0	22.59	0.1285

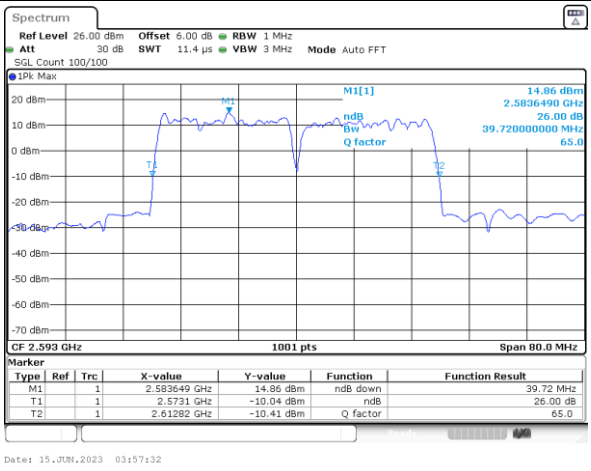
LTE Band 41C

26dB Bandwidth

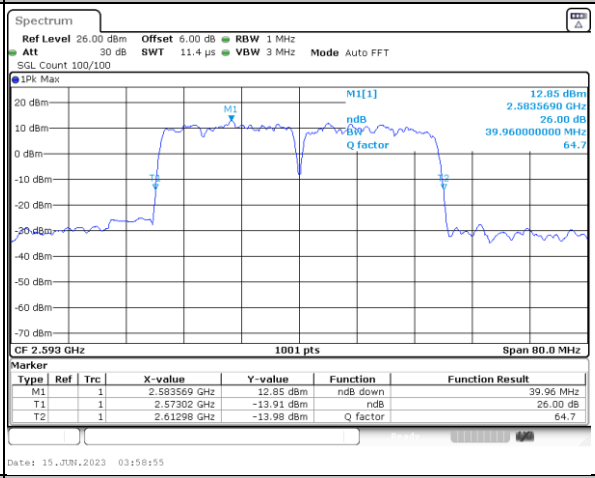
Mode	LTE Band 41-CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.72	39.96
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	35.04	34.90
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	29.97	30.03
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	24.88	24.78
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	34.76	34.83
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.57	30.57
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.18	25.08
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	29.91	29.79
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	25.28	25.33
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	24.83	24.83

LTE Band 41

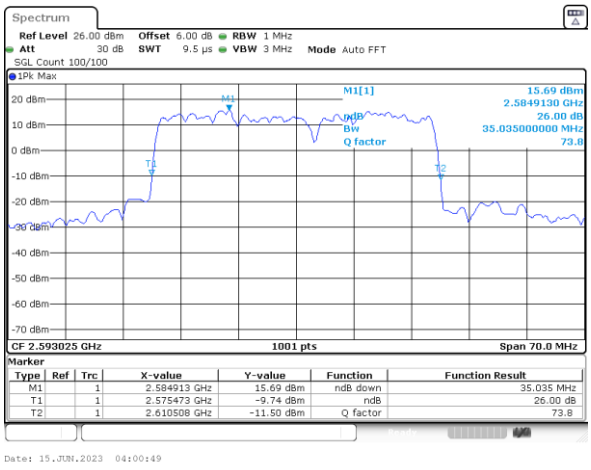
Middle Channel / 20MHz+20MHz / QPSK



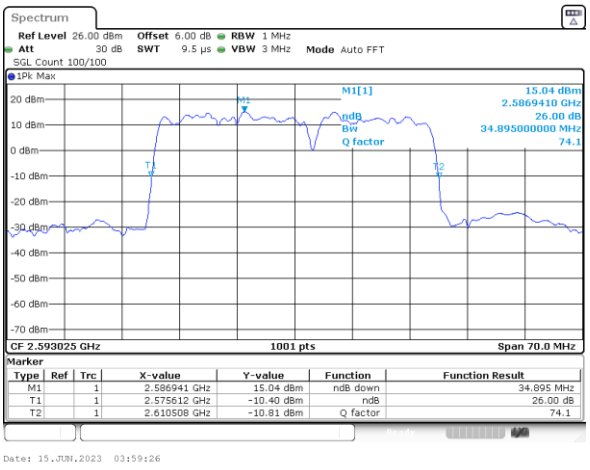
Middle Channel / 20MHz+20MHz / 16QAM



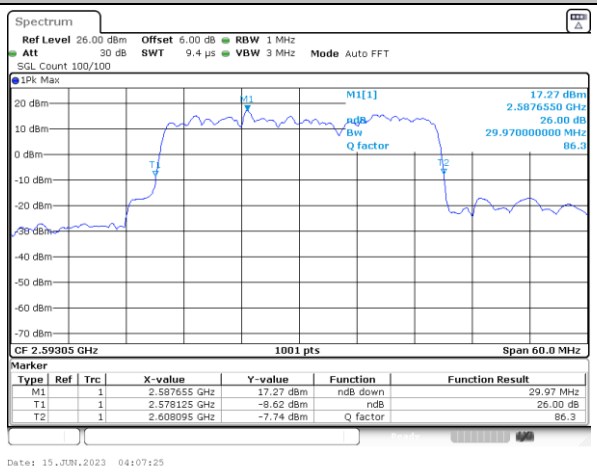
Middle Channel / 20MHz+15MHz / QPSK



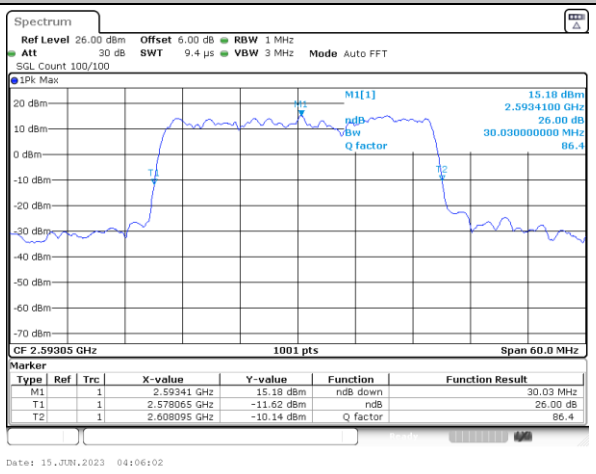
Middle Channel / 20MHz+15MHz / 16QAM



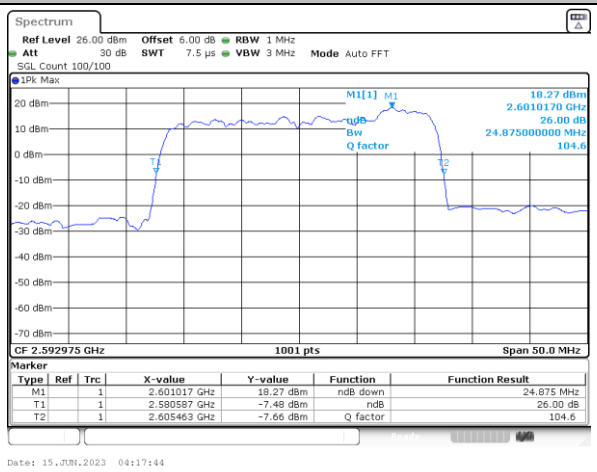
Middle Channel / 20MHz+10MHz / QPSK



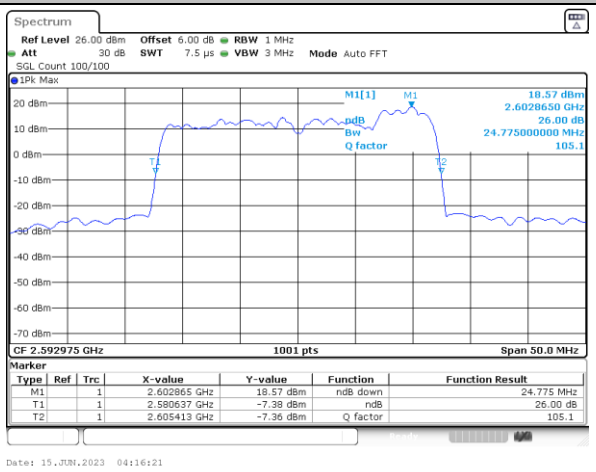
Middle Channel / 20MHz+10MHz / 16QAM



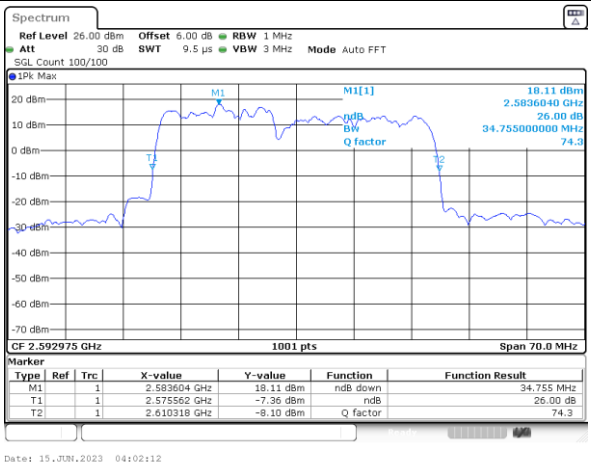
Middle Channel / 20MHz+5MHz / QPSK



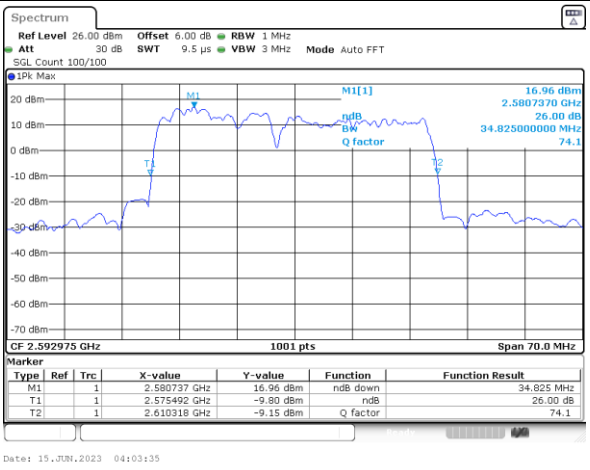
Middle Channel / 20MHz+5MHz / 16QAM



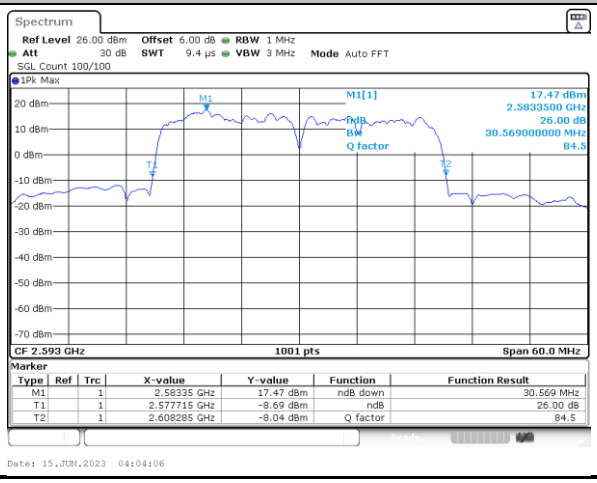
Middle Channel /15MHz+20MHz / QPSK



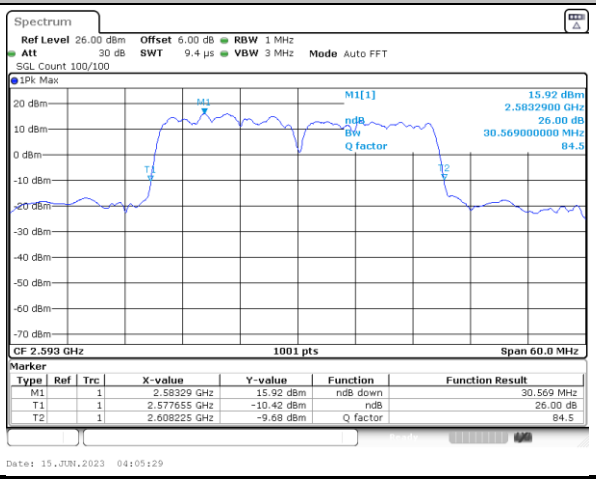
Middle Channel / 15MHz+20MHz / 16QAM



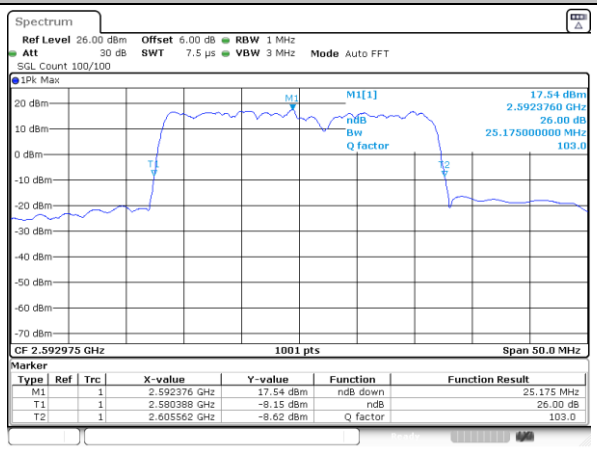
Middle Channel / 15MHz+15MHz / QPSK



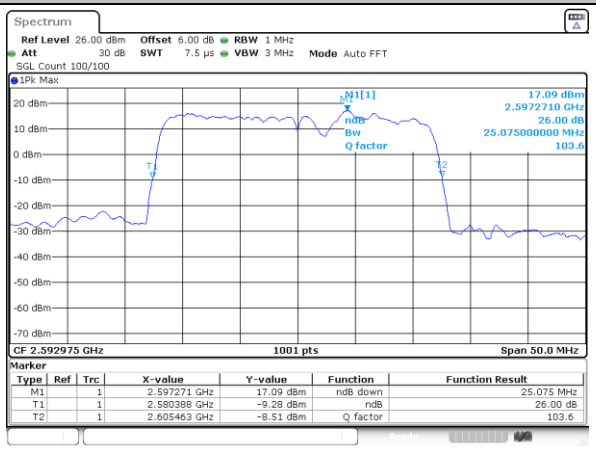
Middle Channel / 15MHz+15MHz / 16QAM



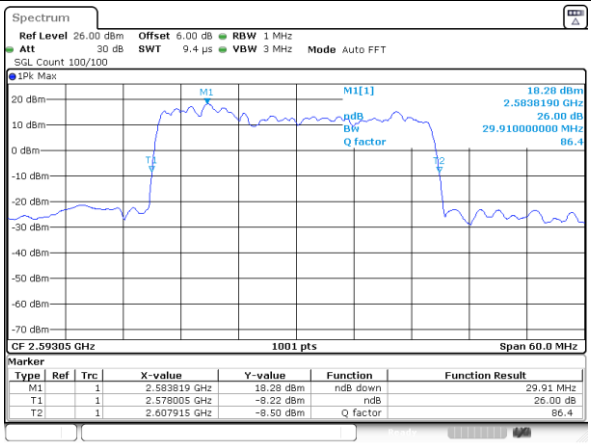
Middle Channel /15MHz+10MHz / QPSK



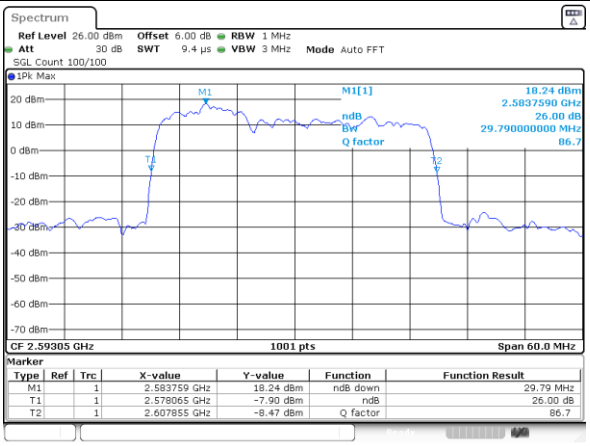
Middle Channel / 15MHz+10MHz / 16QAM



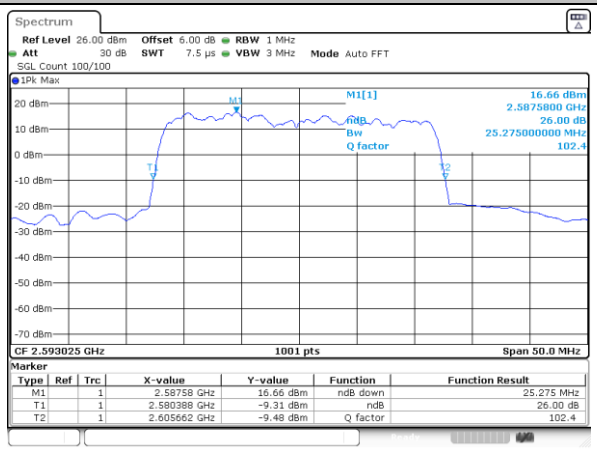
Middle Channel / 10MHz+20MHz / QPSK



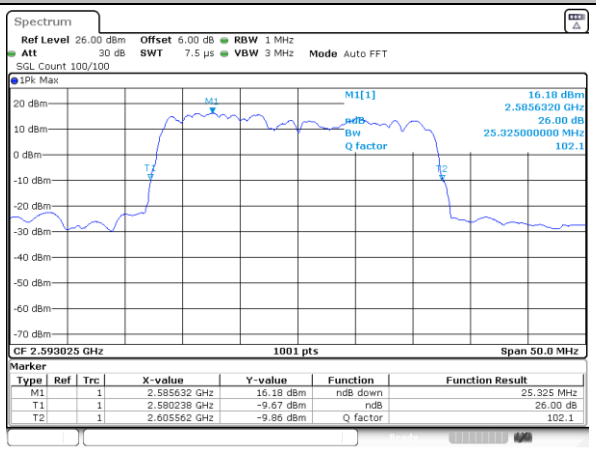
Middle Channel / 10MHz+20MHz / 16QAM

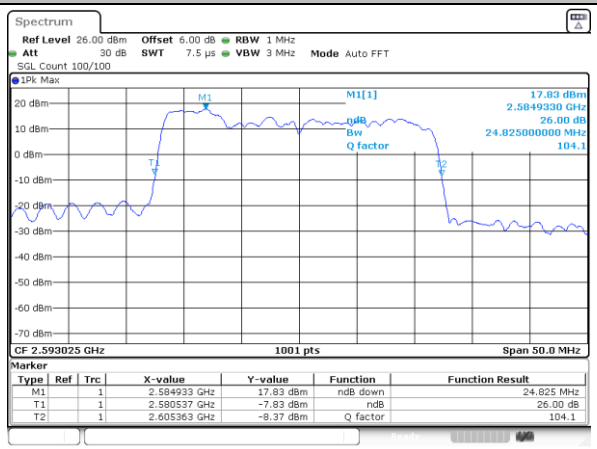
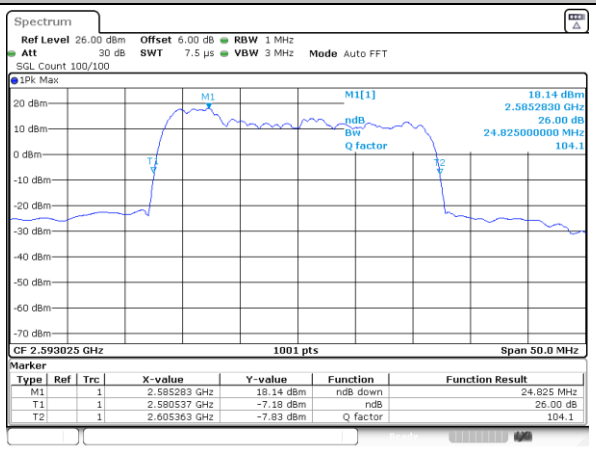


Middle Channel / 10MHz+15MHz / QPSK



Middle Channel / 10MHz+15MHz / 16QAM



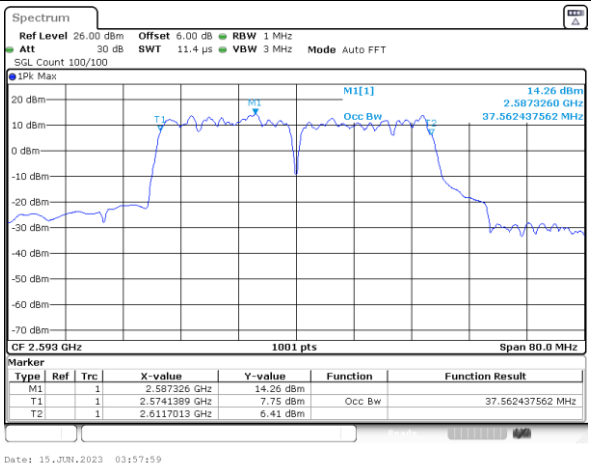
Middle Channel /5MHz+20MHz / QPSK	Middle Channel / 5MHz+20MHz / 16QAM
	

Occupied Bandwidth

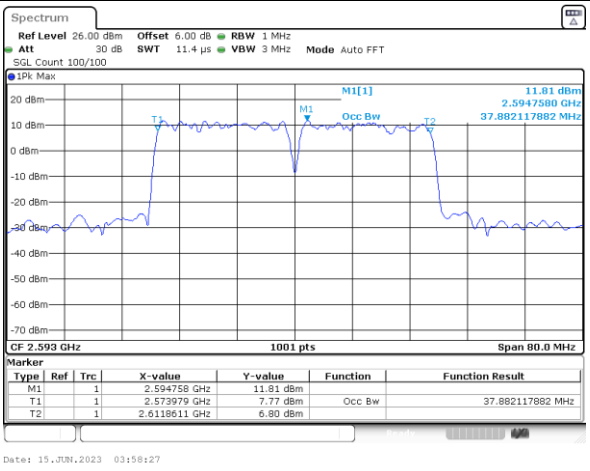
Mode	LTE Band 41-CA : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.56	37.88
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	32.80	33.01
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	28.11	27.99
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	23.28	23.43
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	32.73	32.73
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	28.53	28.65
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	23.43	23.28
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	27.87	28.05
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	23.22	23.53
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	23.28	23.33

LTE Band 41

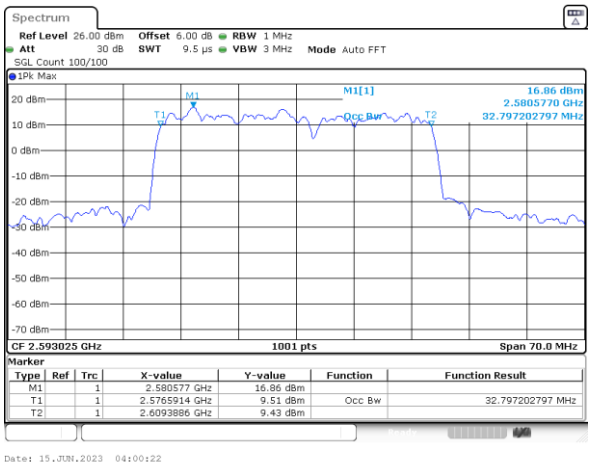
Middle Channel / 20MHz+20MHz / QPSK



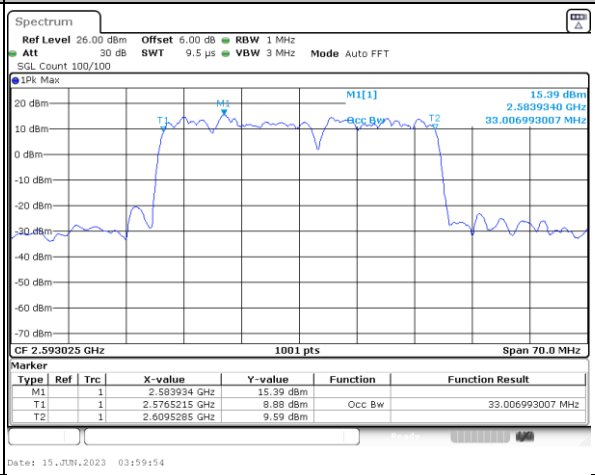
Middle Channel / 20MHz+20MHz / 16QAM



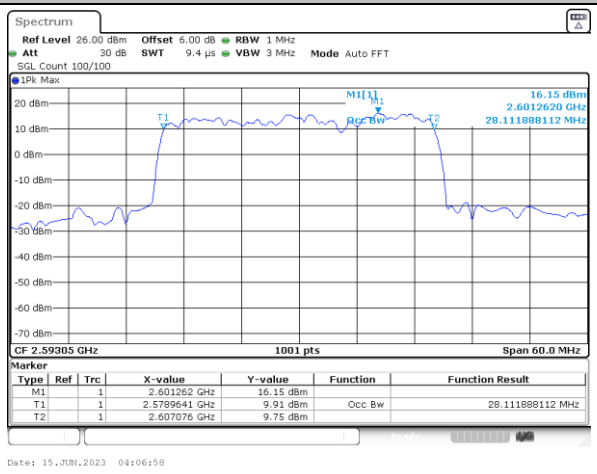
Middle Channel / 20MHz+15MHz / QPSK



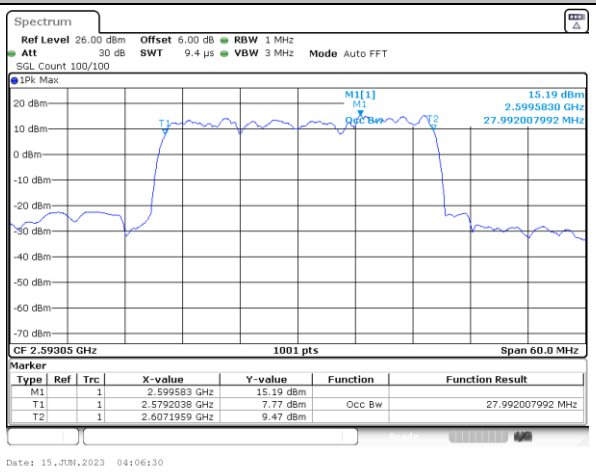
Middle Channel / 20MHz+15MHz / 16QAM



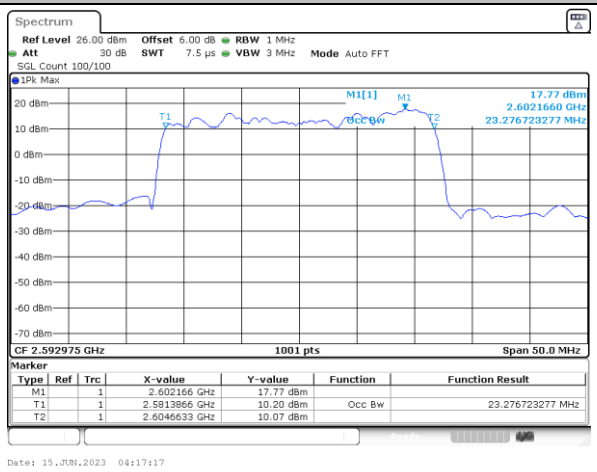
Middle Channel / 20MHz+10MHz / QPSK



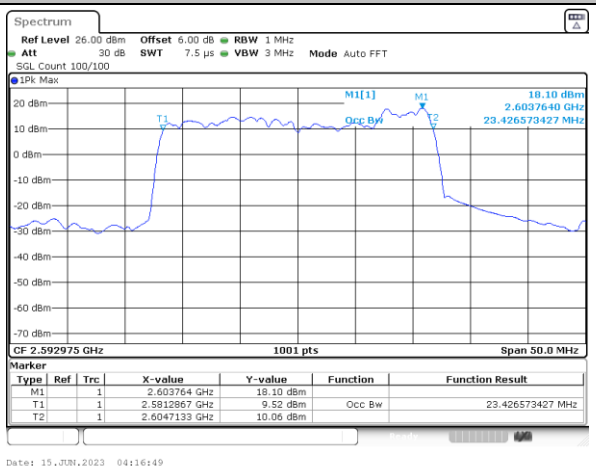
Middle Channel / 20MHz+10MHz / 16QAM



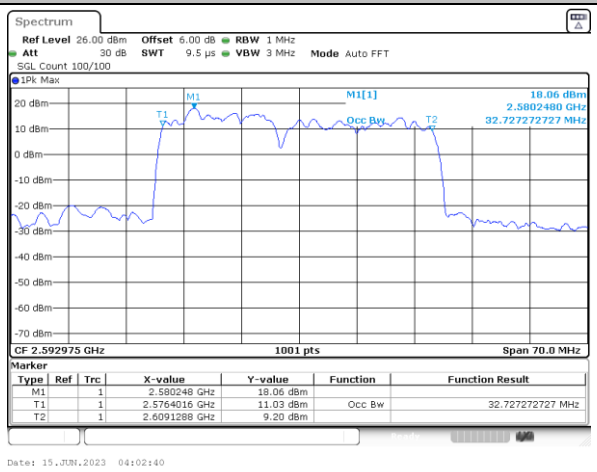
Middle Channel / 20MHz+5MHz / QPSK



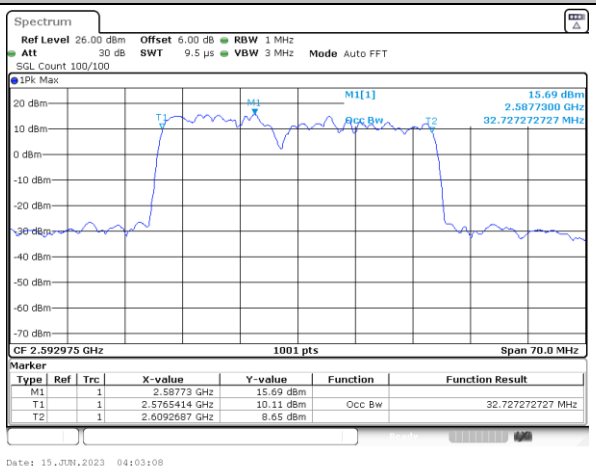
Middle Channel / 20MHz+5MHz / 16QAM



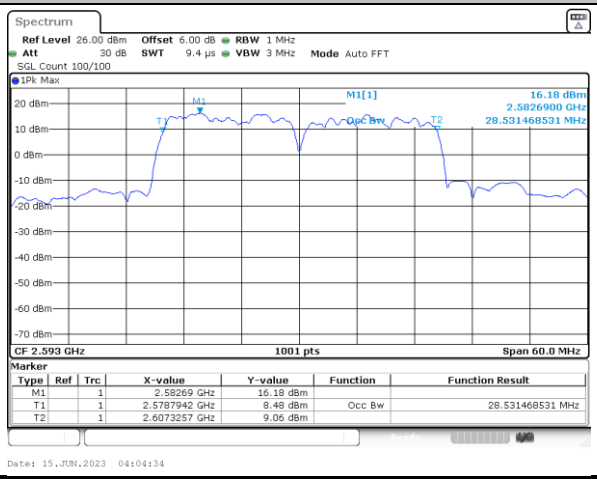
Middle Channel / 15MHz+20MHz / QPSK



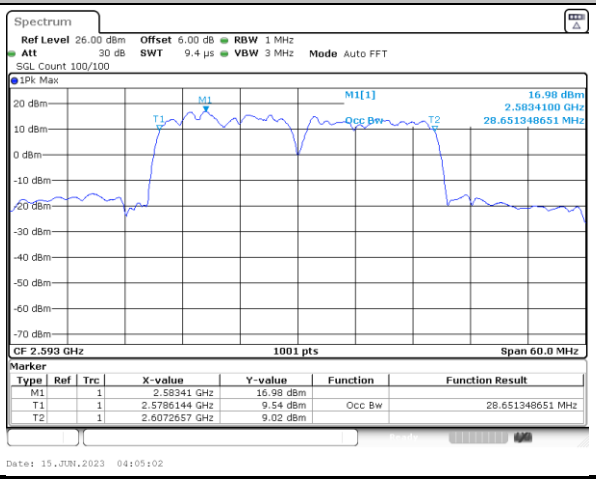
Middle Channel /15MHz+20MHz / 16QAM



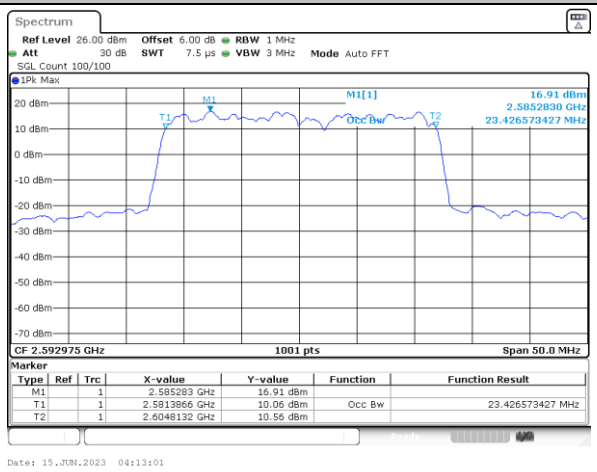
Middle Channel / 15MHz+15MHz / QPSK



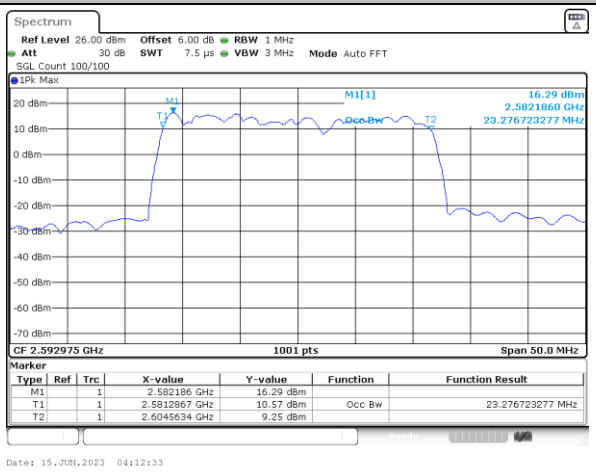
Middle Channel /15MHz+15MHz / 16QAM



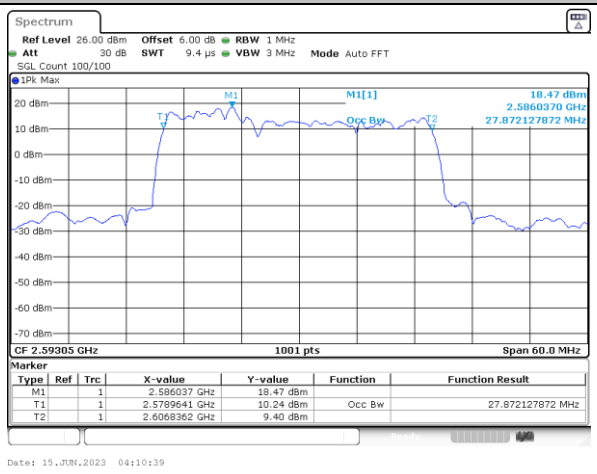
Middle Channel / 15MHz+10MHz / QPSK



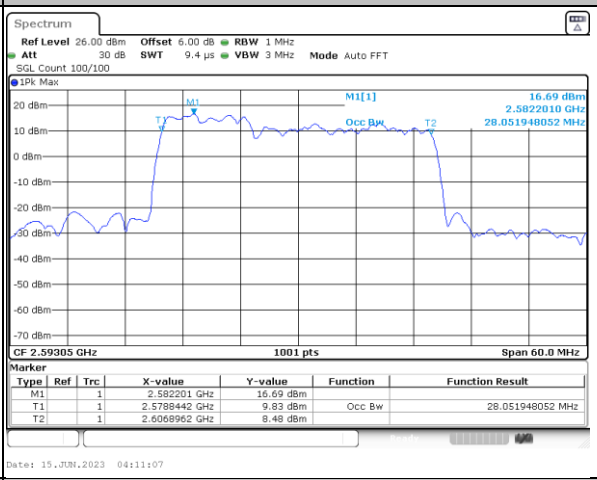
Middle Channel / 15MHz+10MHz / 16QAM



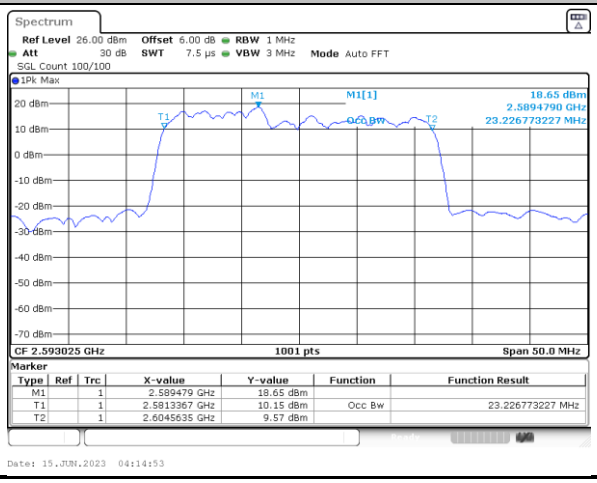
Middle Channel / 10MHz+20MHz / QPSK



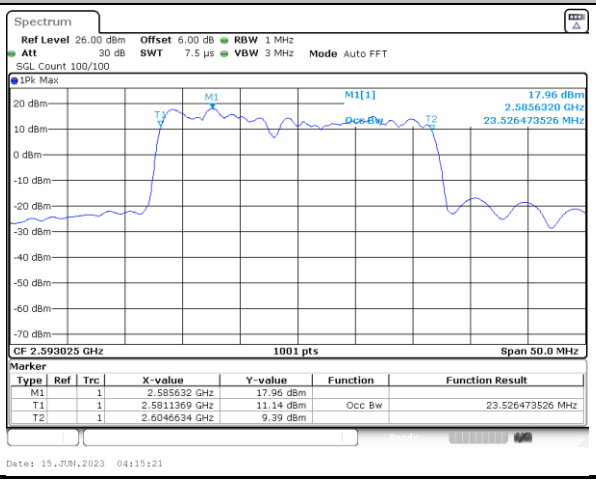
Middle Channel / 10MHz+20MHz / 16QAM

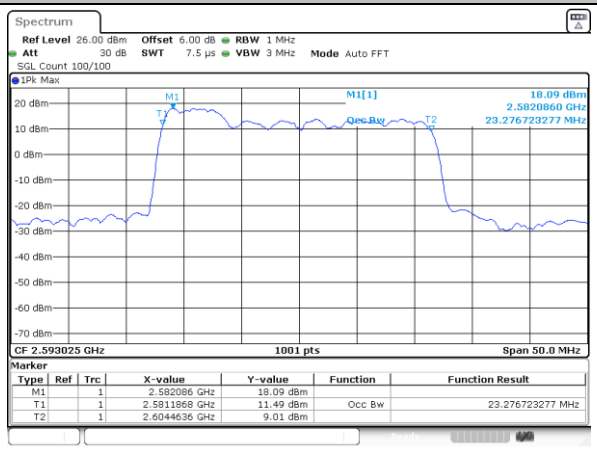
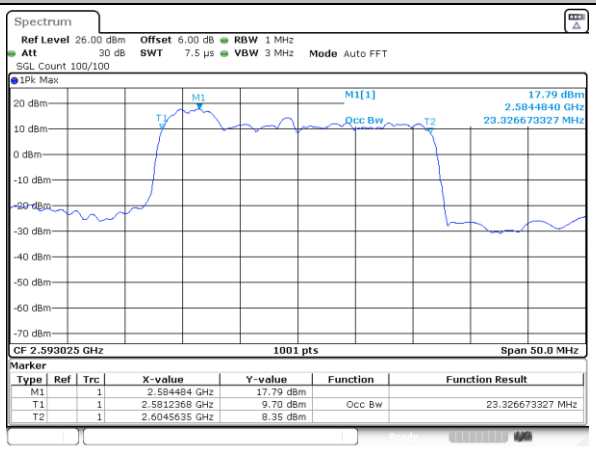


Middle Channel / 10MHz+15MHz / QPSK



Middle Channel / 10MHz+15MHz / 16QAM



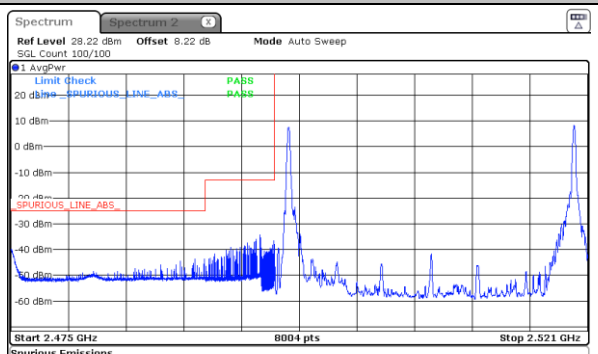
Middle Channel / 5MHz+20MHz / QPSK	Middle Channel / 5MHz+20MHz / 16QAM
	

Conducted Band Edge

LTE Band 41C / 5MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

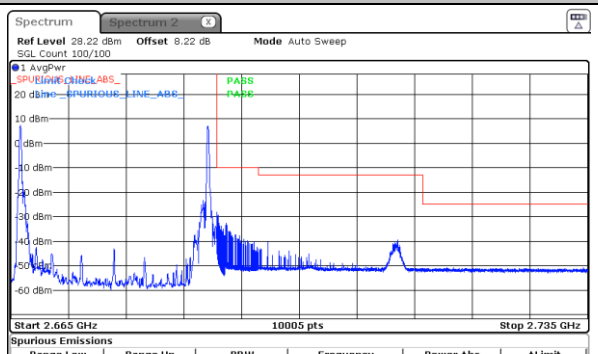


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47503 GHz	-39.87 dBm	-14.87 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49486 GHz	-34.25 dBm	-21.25 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49596 GHz	-36.68 dBm	-23.68 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51992 GHz	8.28 dBm	-21.72 dB

Date: 14.JUN.2023 03:45:39

Highest Band Edge / 1RB0 and 1RB99

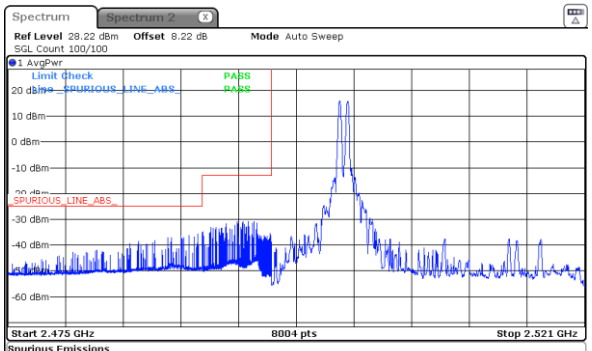


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66614 GHz	7.37 dBm	-22.63 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-28.27 dBm	-18.27 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69118 GHz	-32.79 dBm	-22.79 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71196 GHz	-39.57 dBm	-26.57 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.73444 GHz	-50.87 dBm	-25.87 dB

Date: 14.JUN.2023 03:56:20

Lowest Band Edge / 1RB24 and 1RB0

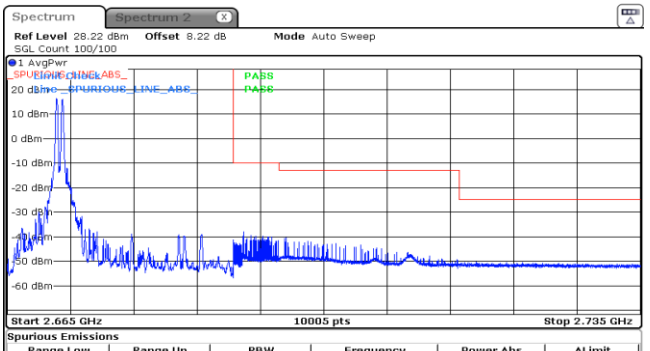


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-35.72 dBm	-10.72 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49418 GHz	-30.73 dBm	-17.73 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49589 GHz	-35.40 dBm	-22.40 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50144 GHz	16.09 dBm	-13.91 dB

Date: 14.JUN.2023 03:43:06

Highest Band Edge / 1RB24 and 1RB0

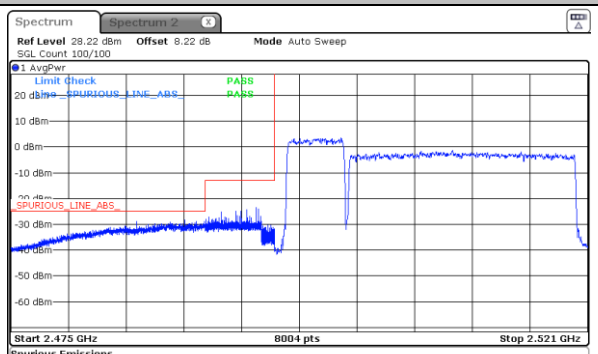


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67043 GHz	16.18 dBm	-13.82 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69002 GHz	-41.22 dBm	-31.22 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69116 GHz	-38.06 dBm	-28.06 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69586 GHz	-40.53 dBm	-27.53 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71685 GHz	-50.16 dBm	-25.16 dB

Date: 14.JUN.2023 03:53:46

Lowest Band Edge / Full RB

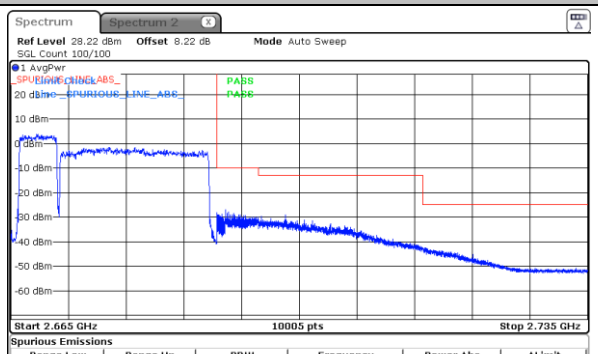


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48884 GHz	-28.36 dBm	-3.36 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49457 GHz	-23.40 dBm	-10.40 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49572 GHz	-30.30 dBm	-17.30 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50134 GHz	3.49 dBm	-26.51 dB

Date: 14.JUN.2023 03:48:12

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66829 GHz	3.77 dBm	-26.23 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-28.26 dBm	-18.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-26.93 dBm	-16.93 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69829 GHz	-29.10 dBm	-16.10 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71501 GHz	-42.43 dBm	-17.43 dB

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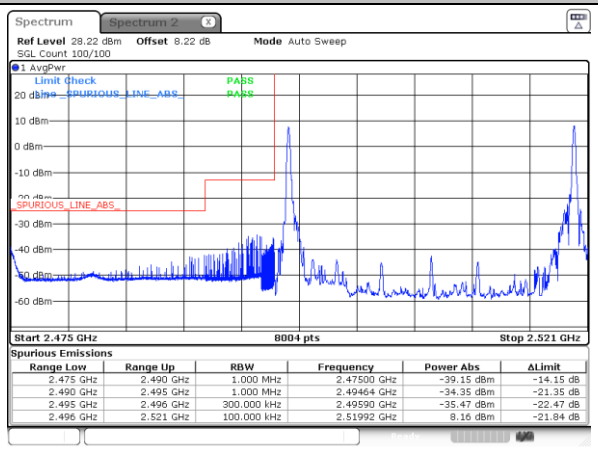
LTE Band 41C / 5MHz+20MHz

16QAM

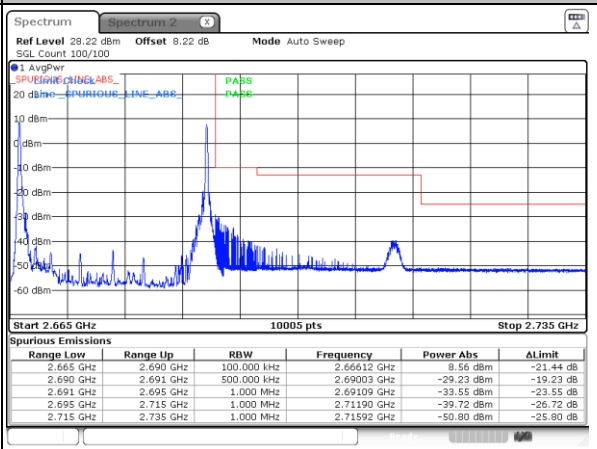
Lowest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47500 GHz	-39.15 dBm	-14.15 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49464 GHz	-34.35 dBm	-21.35 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49590 GHz	-35.47 dBm	-22.47 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51992 GHz	8.16 dBm	-21.84 dB

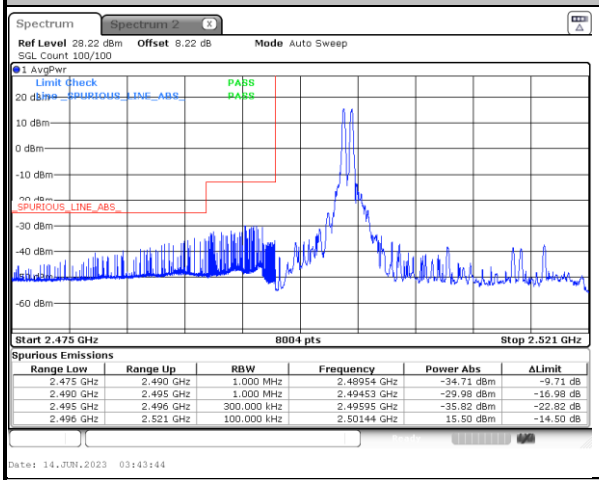
Highest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66612 GHz	8.56 dBm	-21.44 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69003 GHz	-29.23 dBm	-19.23 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-33.55 dBm	-23.55 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71190 GHz	-39.72 dBm	-26.72 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71592 GHz	-50.80 dBm	-25.80 dB

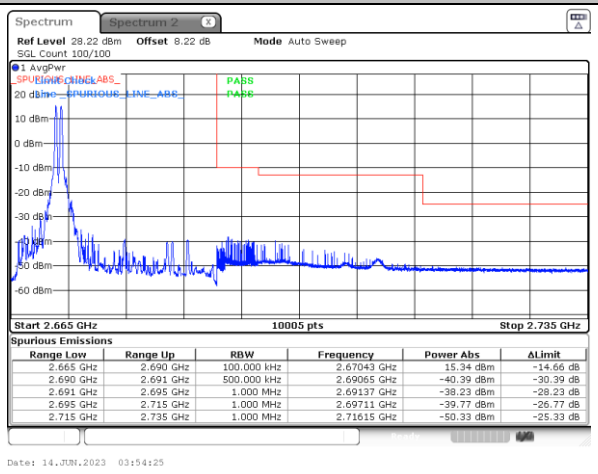
Lowest Band Edge / 1RB24 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48954 GHz	-34.71 dBm	-9.71 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49453 GHz	-29.98 dBm	-16.98 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49595 GHz	-35.82 dBm	-22.82 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50144 GHz	15.50 dBm	-14.50 dB

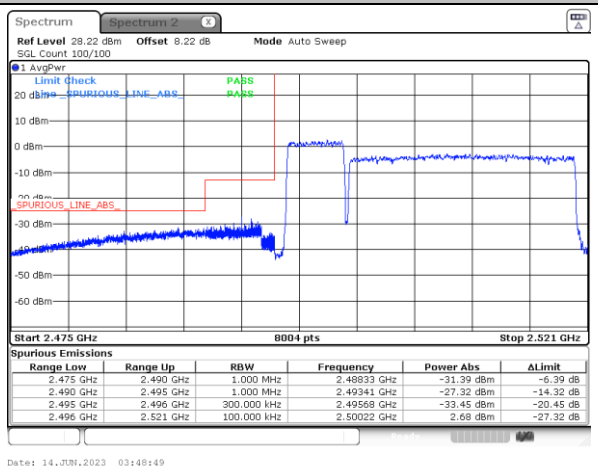
Highest Band Edge / 1RB24 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67043 GHz	15.34 dBm	-14.66 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69065 GHz	-40.39 dBm	-30.39 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69137 GHz	-38.23 dBm	-28.23 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69711 GHz	-39.77 dBm	-26.77 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71615 GHz	-50.33 dBm	-25.33 dB

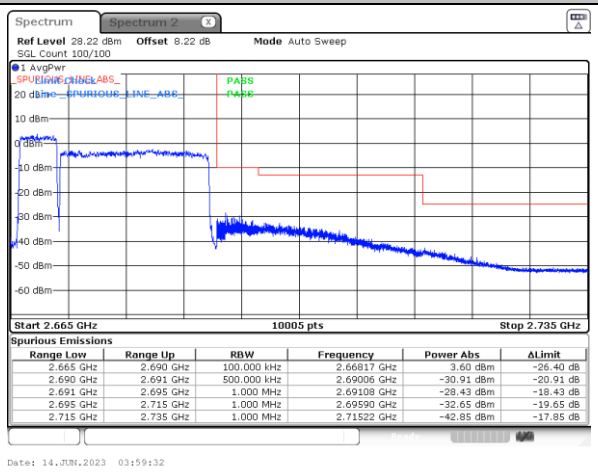
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48833 GHz	-31.39 dBm	-6.39 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49341 GHz	-27.32 dBm	-14.32 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49568 GHz	-33.45 dBm	-20.45 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50022 GHz	2.68 dBm	-27.32 dB

Highest Band Edge / Full RB



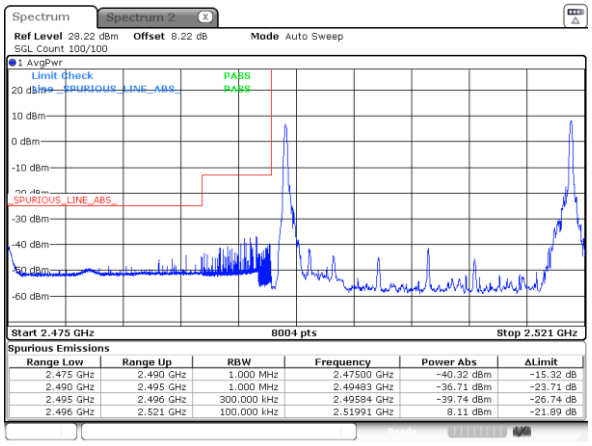
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66817 GHz	3.60 dBm	-26.40 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69006 GHz	-30.91 dBm	-20.91 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-28.43 dBm	-18.43 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69590 GHz	-32.65 dBm	-19.65 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71522 GHz	-42.85 dBm	-17.85 dB

LTE Band 41C / 5MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47500 GHz	-40.32 dBm	-15.32 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49483 GHz	-36.71 dBm	-23.71 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49584 GHz	-39.74 dBm	-26.74 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51991 GHz	8.11 dBm	-21.89 dB

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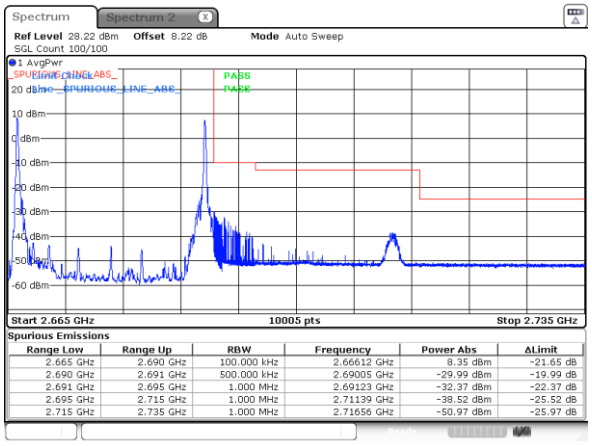
Highest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66612 GHz	8.35 dBm	-21.65 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69005 GHz	-29.99 dBm	-19.99 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69123 GHz	-32.37 dBm	-22.37 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71139 GHz	-38.52 dBm	-25.52 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71656 GHz	-50.97 dBm	-25.97 dB

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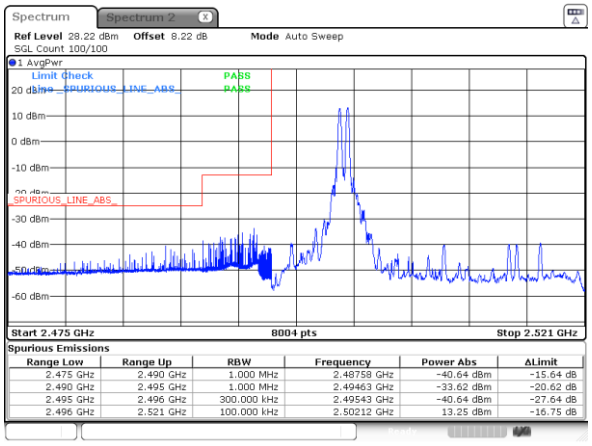
Lowest Band Edge / 1RB24 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48758 GHz	-40.64 dBm	-15.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49463 GHz	-33.62 dBm	-20.62 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49543 GHz	-40.64 dBm	-27.64 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50212 GHz	13.25 dBm	-16.75 dB

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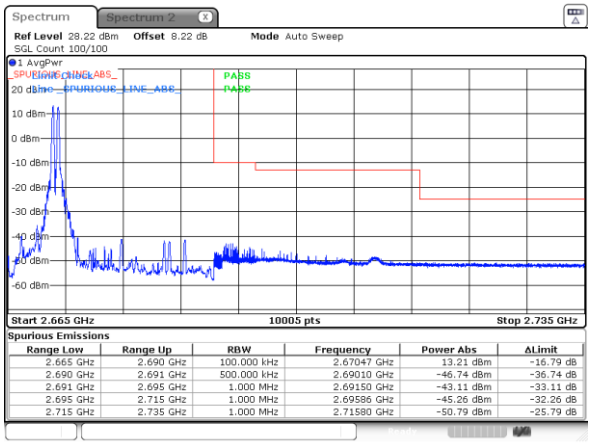
Highest Band Edge / 1RB24 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67047 GHz	13.21 dBm	-16.79 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69010 GHz	-46.74 dBm	-36.74 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69150 GHz	-43.11 dBm	-33.11 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69586 GHz	-45.26 dBm	-32.26 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71580 GHz	-50.79 dBm	-25.79 dB

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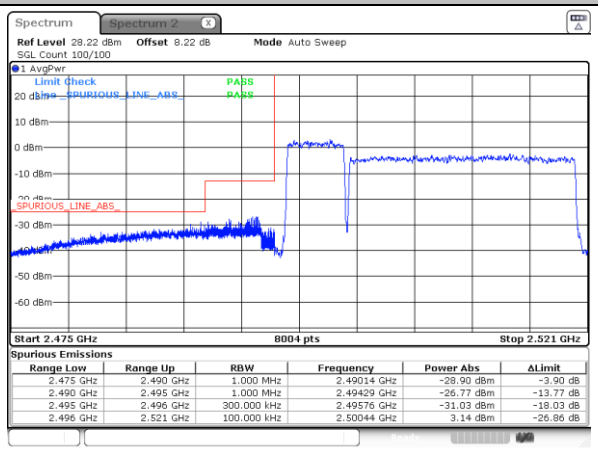
Lowest Band Edge / Full RB

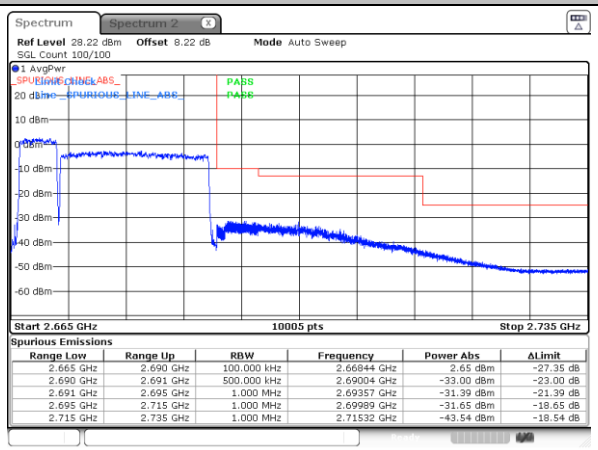


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49014 GHz	-28.90 dBm	-3.90 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49429 GHz	-26.77 dBm	-13.77 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49576 GHz	-31.03 dBm	-18.03 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50044 GHz	3.14 dBm	-26.86 dB

Date: 14.JUN.2023 03:49:28

Highest Band Edge / Full RB



Spurious Emissions

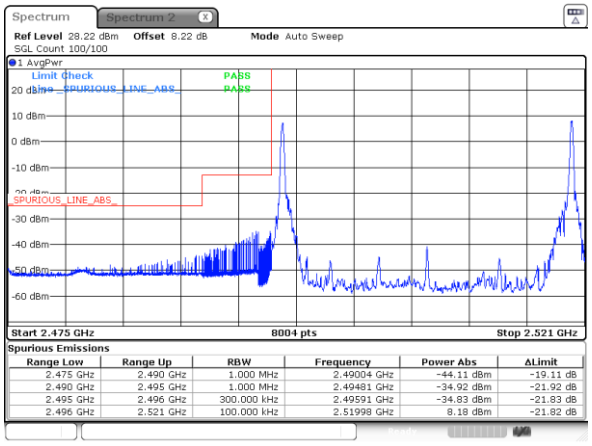
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66844 GHz	2.65 dBm	-27.35 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-33.00 dBm	-23.00 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69357 GHz	-31.39 dBm	-21.39 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69989 GHz	-31.65 dBm	-18.65 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71532 GHz	-43.54 dBm	-18.54 dB

Date: 14.JUN.2023 04:00:10

LTE Band 41C / 10MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

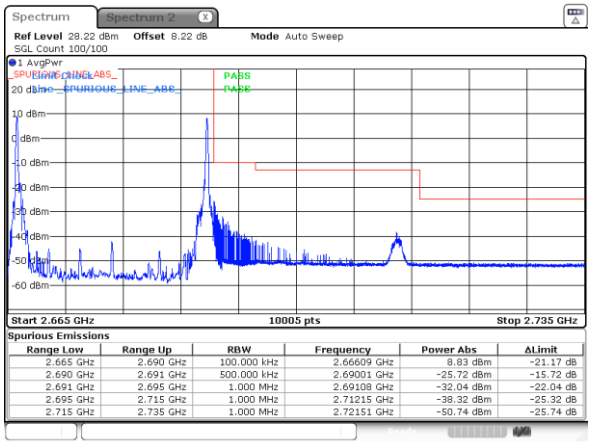


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49004 GHz	-44.11 dBm	-19.11 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49481 GHz	-34.92 dBm	-21.92 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49591 GHz	-34.83 dBm	-21.83 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51998 GHz	8.18 dBm	-21.82 dB

Date: 14.JUN.2023 04:10:06

Highest Band Edge / 1RB0 and 1RB74

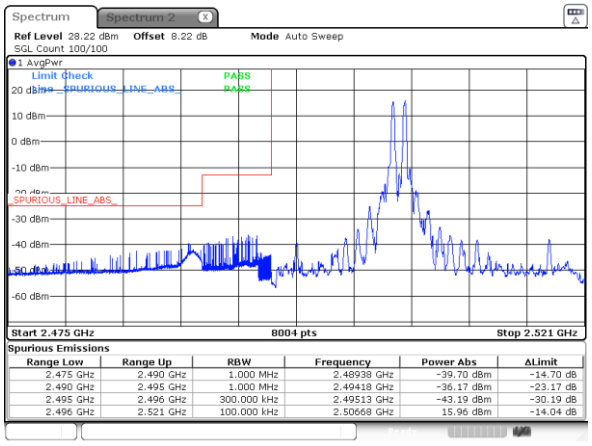


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66609 GHz	8.83 dBm	-21.17 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-25.72 dBm	-15.72 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-32.04 dBm	-22.04 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71215 GHz	-38.32 dBm	-25.32 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.72151 GHz	-50.74 dBm	-25.74 dB

Date: 14.JUN.2023 04:23:13

Lowest Band Edge / 1RB49 and 1RB0

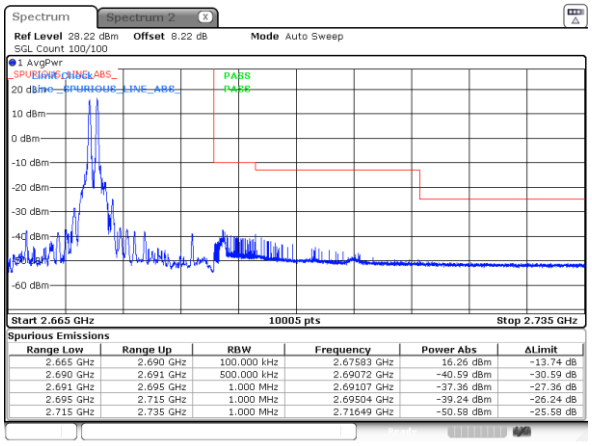


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48938 GHz	-39.70 dBm	-14.70 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49418 GHz	-36.17 dBm	-23.17 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49513 GHz	-43.19 dBm	-30.19 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50668 GHz	15.96 dBm	-14.04 dB

Date: 14.JUN.2023 04:07:35

Highest Band Edge / 1RB49 and 1RB0

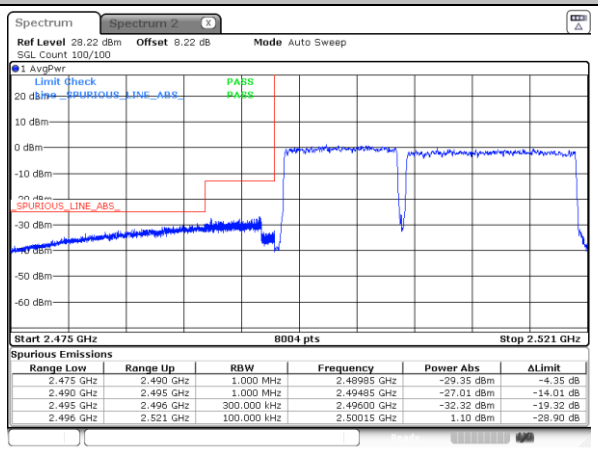


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67583 GHz	16.26 dBm	-13.74 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69072 GHz	-40.59 dBm	-30.59 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-37.36 dBm	-27.36 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69504 GHz	-39.24 dBm	-26.24 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71649 GHz	-50.58 dBm	-25.58 dB

Date: 14.JUN.2023 04:20:40

Lowest Band Edge / Full RB

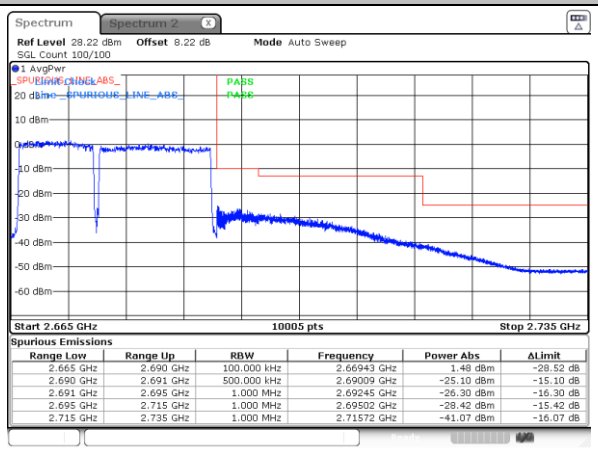


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48985 GHz	-29.35 dBm	-4.35 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49485 GHz	-27.01 dBm	-14.01 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49600 GHz	-32.32 dBm	-19.32 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50015 GHz	1.10 dBm	-28.90 dB

Date: 14.JUN.2023 04:12:39

Highest Band Edge / Full RB



Spurious Emissions

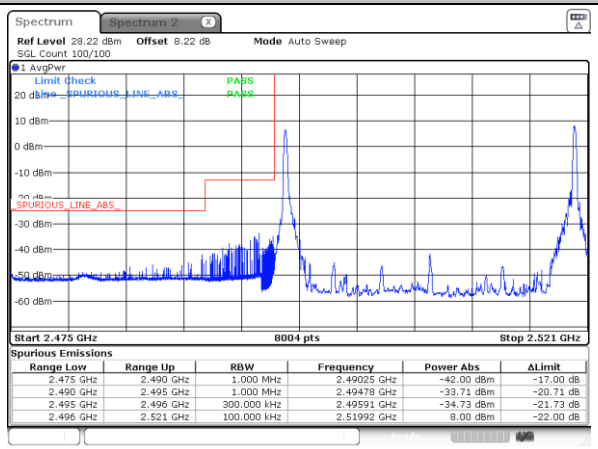
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66943 GHz	1.48 dBm	-28.52 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69009 GHz	-25.10 dBm	-15.10 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69245 GHz	-26.30 dBm	-16.30 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69502 GHz	-28.42 dBm	-15.42 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71572 GHz	-41.07 dBm	-16.07 dB

Date: 14.JUN.2023 04:25:46

LTE Band 41C / 10MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

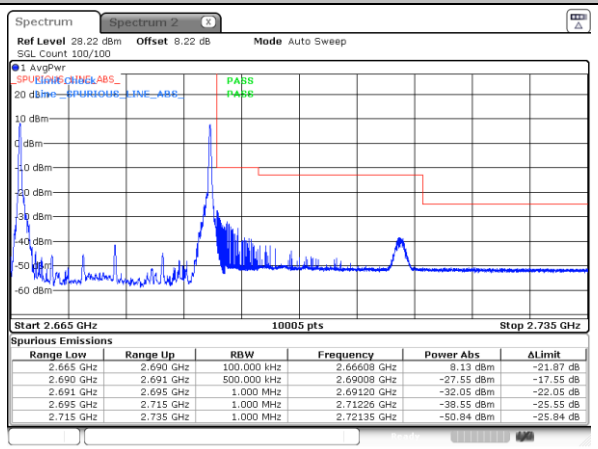


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49025 GHz	-42.00 dBm	-17.00 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49478 GHz	-33.71 dBm	-20.71 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49591 GHz	-34.73 dBm	-21.73 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51992 GHz	8.00 dBm	-22.00 dB

Date: 14.JUN.2023 04:10:44

Highest Band Edge / 1RB0 and 1RB74

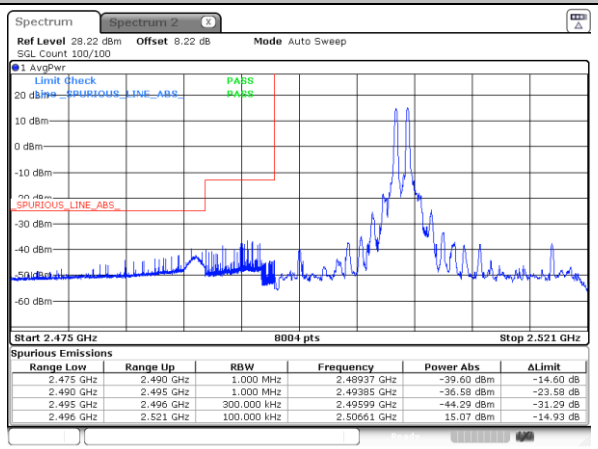


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66608 GHz	8.13 dBm	-21.87 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69008 GHz	-27.55 dBm	-17.55 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69120 GHz	-32.05 dBm	-22.05 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71226 GHz	-38.55 dBm	-25.55 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.72135 GHz	-50.84 dBm	-25.84 dB

Date: 14.JUN.2023 04:23:51

Lowest Band Edge / 1RB49 and 1RB0

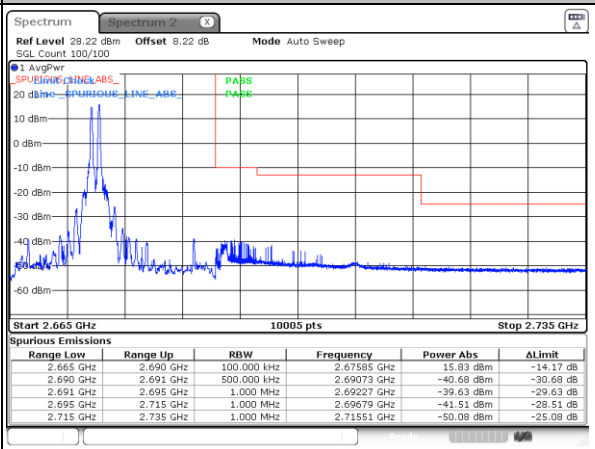


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48937 GHz	-39.60 dBm	-14.60 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49385 GHz	-36.58 dBm	-23.58 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49599 GHz	-44.29 dBm	-31.29 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50661 GHz	15.07 dBm	-14.93 dB

Date: 14.JUN.2023 04:08:12

Highest Band Edge / 1RB49 and 1RB0

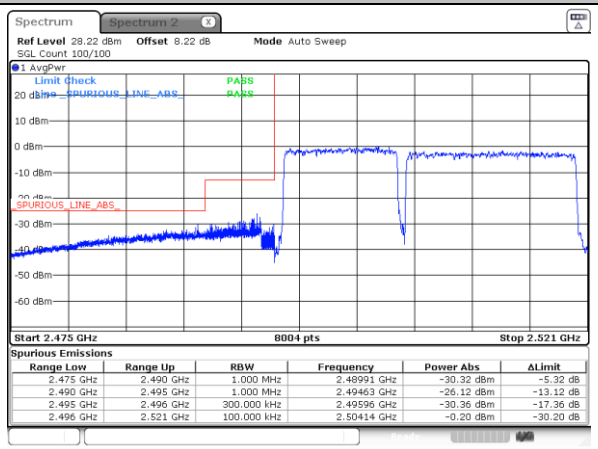


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67585 GHz	15.83 dBm	-14.17 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69073 GHz	-40.68 dBm	-30.68 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69227 GHz	-39.63 dBm	-29.63 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69679 GHz	-41.51 dBm	-28.51 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71551 GHz	-50.08 dBm	-25.08 dB

Date: 14.JUN.2023 04:21:18

Lowest Band Edge / Full RB

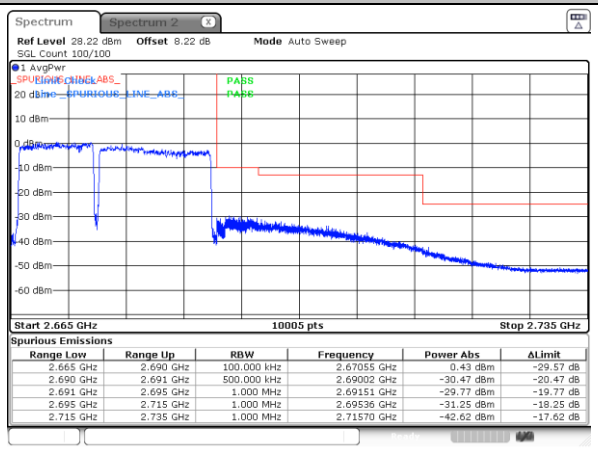


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48991 GHz	-30.32 dBm	-5.32 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49463 GHz	-26.12 dBm	-13.12 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49596 GHz	-30.36 dBm	-17.36 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50414 GHz	-0.20 dBm	-30.20 dB

Date: 14.JUN.2023 04:13:17

Highest Band Edge / Full RB



Spurious Emissions

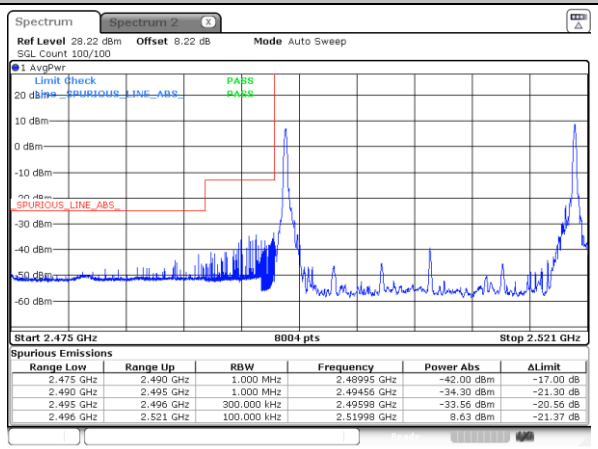
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67055 GHz	0.43 dBm	-29.57 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69002 GHz	-30.47 dBm	-20.47 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69151 GHz	-29.77 dBm	-19.77 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69536 GHz	-31.25 dBm	-18.25 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71570 GHz	-42.62 dBm	-17.62 dB

Date: 14.JUN.2023 04:26:25

LTE Band 41C / 10MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

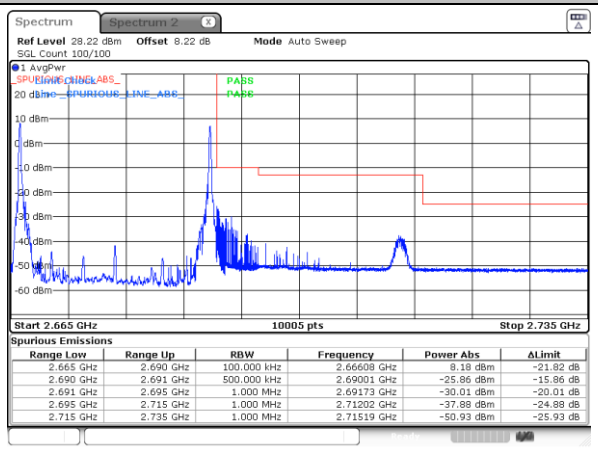


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-42.00 dBm	-17.00 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49456 GHz	-34.30 dBm	-21.30 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49598 GHz	-33.56 dBm	-20.56 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51998 GHz	8.63 dBm	-21.37 dB

Date: 14.JUN.2023 04:11:22

Highest Band Edge / 1RB0 and 1RB74

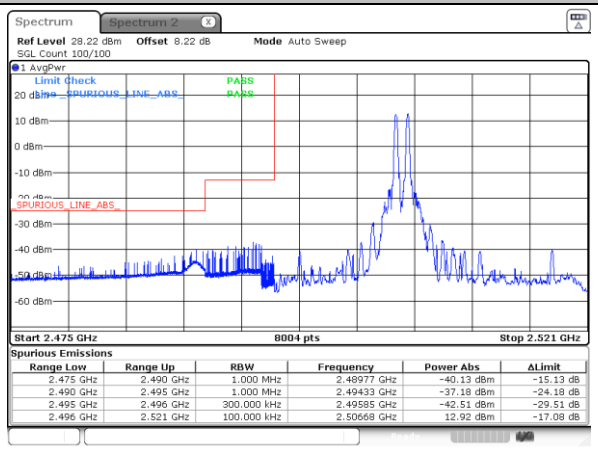


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66608 GHz	8.18 dBm	-21.82 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-25.86 dBm	-15.86 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69173 GHz	-30.01 dBm	-20.01 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71202 GHz	-37.88 dBm	-24.88 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71519 GHz	-50.93 dBm	-25.93 dB

Date: 14.JUN.2023 04:24:30

Lowest Band Edge / 1RB49 and 1RB0

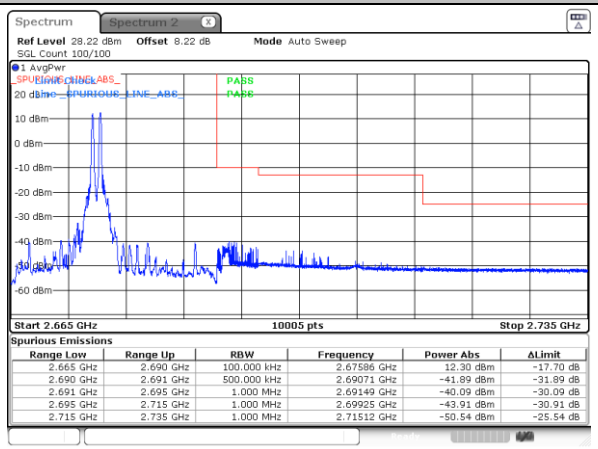


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48977 GHz	-40.13 dBm	-15.13 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49433 GHz	-37.18 dBm	-24.18 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49585 GHz	-42.51 dBm	-29.51 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50668 GHz	12.92 dBm	-17.08 dB

Date: 14.JUN.2023 04:08:50

Highest Band Edge / 1RB49 and 1RB0

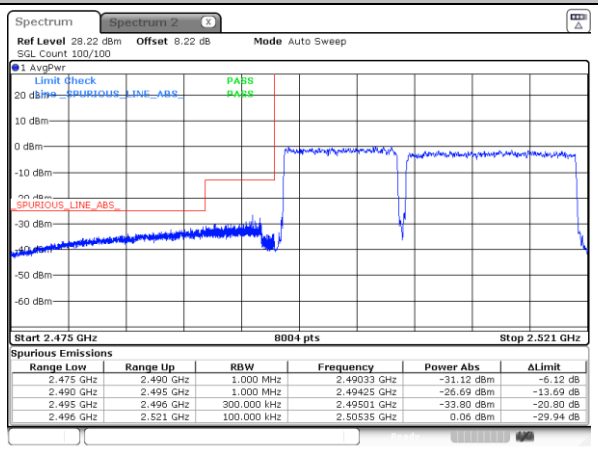


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67586 GHz	12.30 dBm	-17.70 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69071 GHz	-41.89 dBm	-31.89 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69149 GHz	-40.09 dBm	-30.09 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69925 GHz	-43.91 dBm	-30.91 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71512 GHz	-50.54 dBm	-25.54 dB

Date: 14.JUN.2023 04:21:56

Lowest Band Edge / Full RB

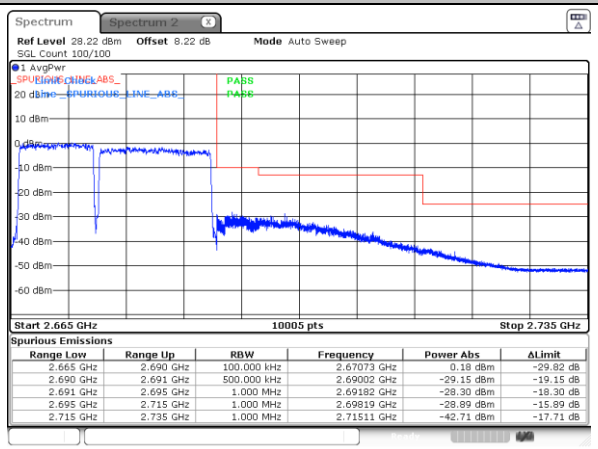


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-31.12 dBm	-6.12 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49425 GHz	-26.69 dBm	-13.69 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49501 GHz	-33.80 dBm	-20.80 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.50535 GHz	0.06 dBm	-29.94 dB

Date: 14.JUN.2023 04:13:55

Highest Band Edge / Full RB



Spurious Emissions

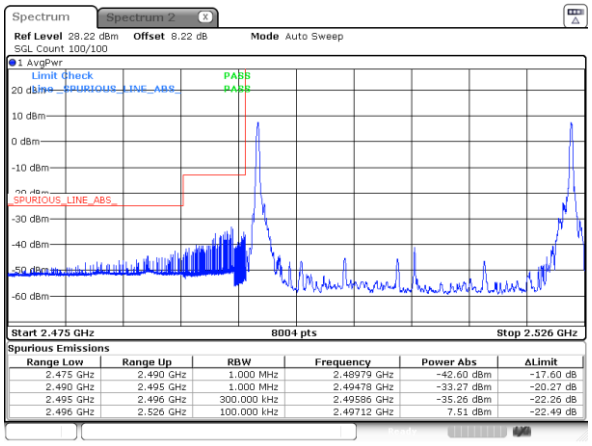
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.67073 GHz	0.18 dBm	-29.82 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69002 GHz	-29.15 dBm	-19.15 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69182 GHz	-28.30 dBm	-18.30 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69819 GHz	-28.89 dBm	-15.89 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71511 GHz	-42.71 dBm	-17.71 dB

Date: 14.JUN.2023 04:27:03

LTE Band 41C / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

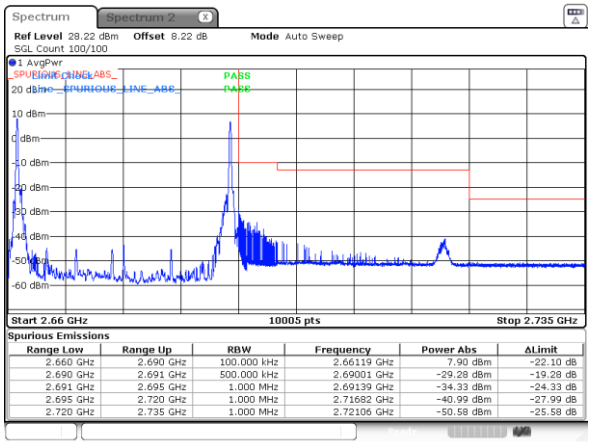


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48979 GHz	-42.60 dBm	-17.60 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49478 GHz	-33.27 dBm	-20.27 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49586 GHz	-35.26 dBm	-22.26 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.49712 GHz	7.51 dBm	-22.49 dB

Date: 14.JUN.2023 04:32:28

Highest Band Edge / 1RB0 and 1RB99

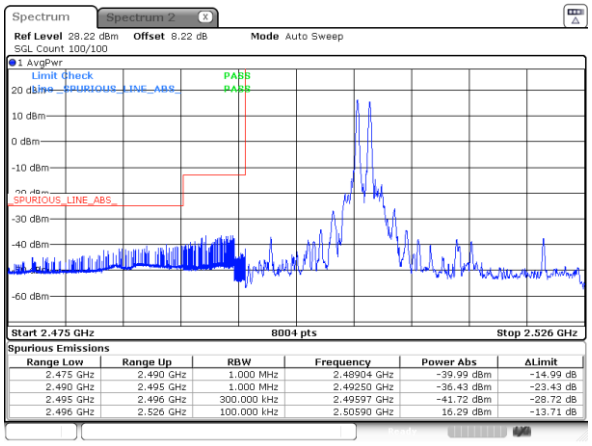


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66119 GHz	7.90 dBm	-22.10 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-29.28 dBm	-19.28 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69139 GHz	-34.33 dBm	-24.33 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.71682 GHz	-40.99 dBm	-27.99 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72106 GHz	-50.58 dBm	-25.58 dB

Date: 14.JUN.2023 04:45:25

Lowest Band Edge / 1RB49 and 1RB0

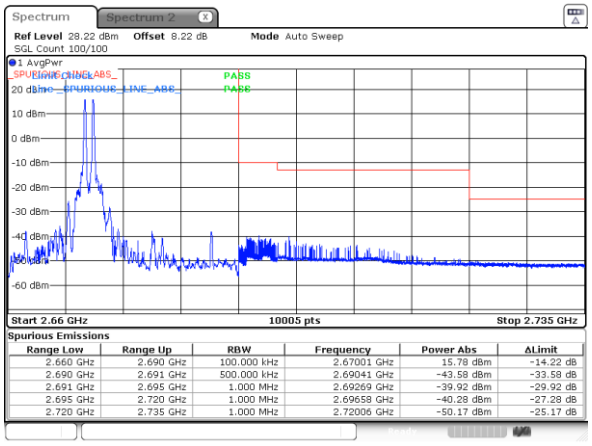


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48904 GHz	-39.99 dBm	-14.99 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49250 GHz	-36.43 dBm	-23.43 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49597 GHz	-41.72 dBm	-28.72 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.50590 GHz	16.29 dBm	-13.71 dB

Date: 14.JUN.2023 04:29:52

Highest Band Edge / 1RB49 and 1RB0

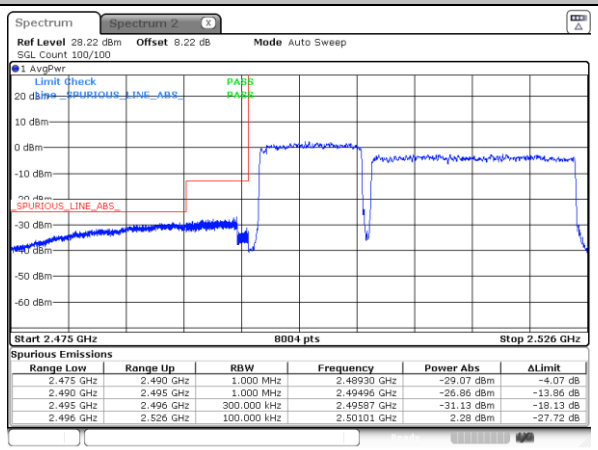


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.67001 GHz	15.78 dBm	-14.22 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69041 GHz	-43.58 dBm	-33.58 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69269 GHz	-39.92 dBm	-29.92 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.69658 GHz	-40.28 dBm	-27.28 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72006 GHz	-50.17 dBm	-25.17 dB

Date: 14.JUN.2023 04:42:52

Lowest Band Edge / Full RB

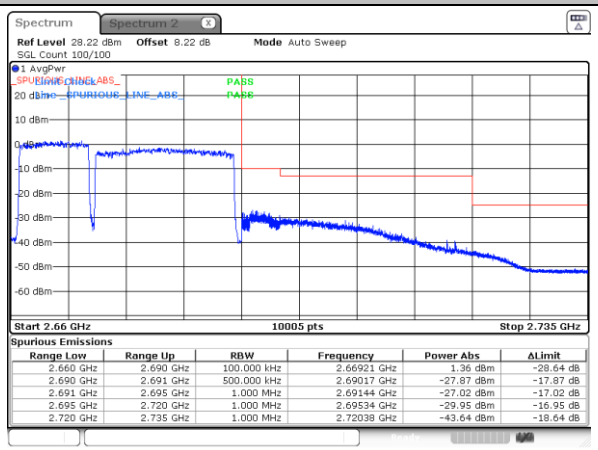


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48930 GHz	-29.07 dBm	-4.07 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-26.86 dBm	-13.86 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49587 GHz	-31.13 dBm	-18.13 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.50101 GHz	2.28 dBm	-27.72 dB

Date: 14.JUN.2023 04:35:04

Highest Band Edge / Full RB



Spurious Emissions

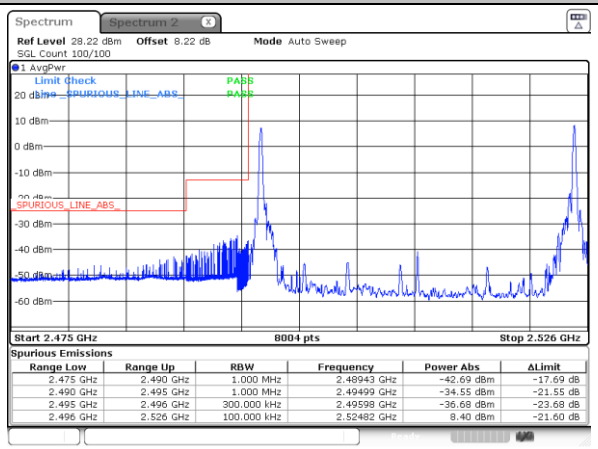
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66921 GHz	1.36 dBm	-28.64 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69017 GHz	-27.87 dBm	-17.87 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69144 GHz	-27.02 dBm	-17.02 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.69534 GHz	-29.95 dBm	-16.95 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72038 GHz	-43.64 dBm	-18.64 dB

Date: 14.JUN.2023 04:47:59

LTE Band 41C / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB99

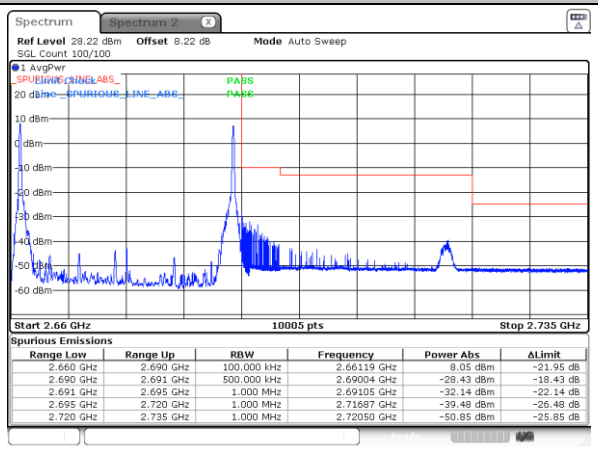


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48943 GHz	-42.69 dBm	-17.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-34.55 dBm	-21.55 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49598 GHz	-36.68 dBm	-23.68 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.52482 GHz	8.40 dBm	-21.60 dB

Date: 14.JUN.2023 04:33:07

Highest Band Edge / 1RB0 and 1RB99

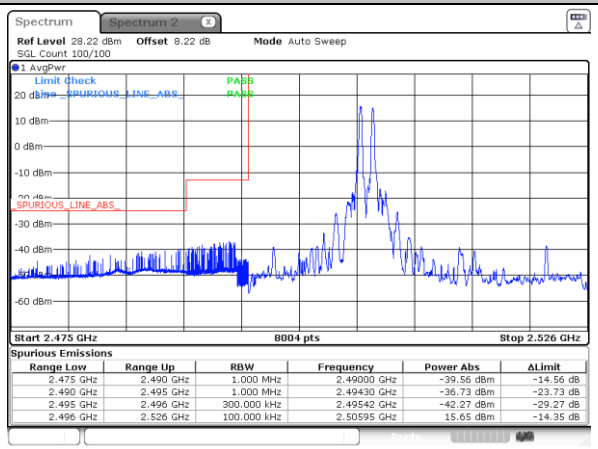


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66119 GHz	8.05 dBm	-21.95 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-28.43 dBm	-18.43 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-32.14 dBm	-22.14 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.71687 GHz	-39.48 dBm	-26.48 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72050 GHz	-50.85 dBm	-25.85 dB

Date: 14.JUN.2023 04:46:03

Lowest Band Edge / 1RB49 and 1RB0

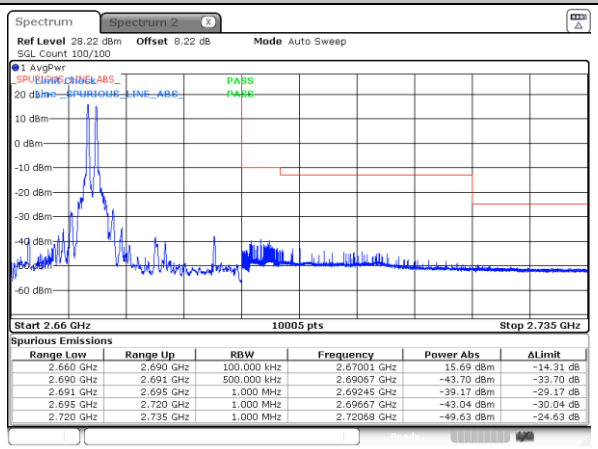


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49000 GHz	-39.56 dBm	-14.56 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49430 GHz	-36.73 dBm	-23.73 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49542 GHz	-42.27 dBm	-29.27 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.50595 GHz	15.65 dBm	-14.35 dB

Date: 14.JUN.2023 04:30:31

Highest Band Edge / 1RB49 and 1RB0

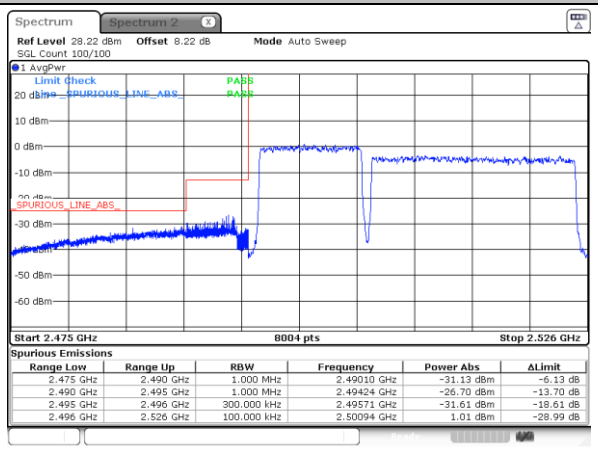


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.67001 GHz	15.69 dBm	-14.31 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69067 GHz	-43.70 dBm	-33.70 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69245 GHz	-39.17 dBm	-29.17 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.69667 GHz	-43.04 dBm	-30.04 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72068 GHz	-49.63 dBm	-24.63 dB

Date: 14.JUN.2023 04:43:30

Lowest Band Edge / Full RB

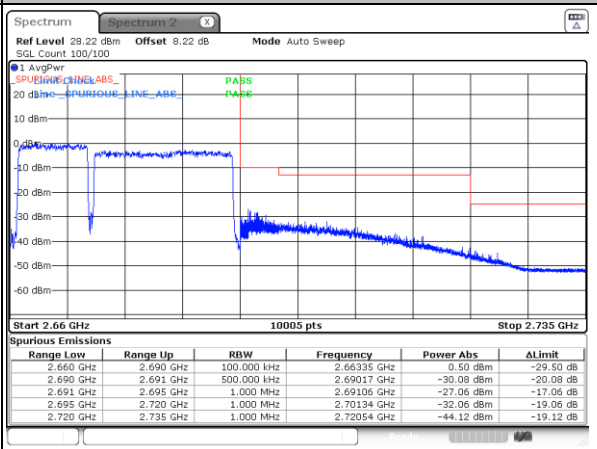


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49010 GHz	-31.13 dBm	-6.13 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49424 GHz	-26.70 dBm	-13.70 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49571 GHz	-31.61 dBm	-18.61 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.50094 GHz	1.01 dBm	-28.99 dB

Date: 14.JUN.2023 04:35:43

Highest Band Edge / Full RB



Spurious Emissions

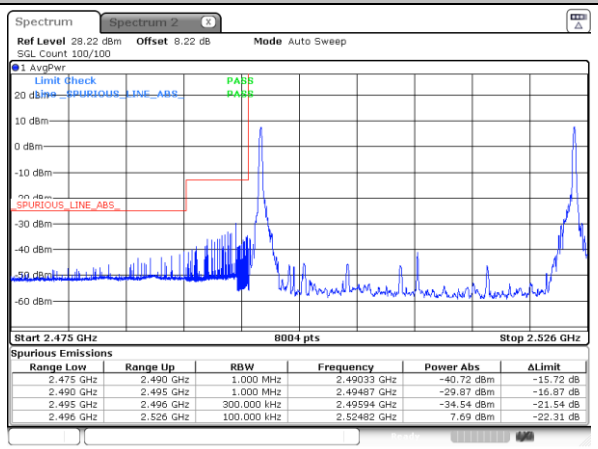
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66335 GHz	0.50 dBm	-29.50 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69017 GHz	-30.08 dBm	-20.08 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69106 GHz	-27.06 dBm	-17.06 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.70134 GHz	-32.06 dBm	-19.06 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72054 GHz	-44.12 dBm	-19.12 dB

Date: 14.JUN.2023 04:48:37

LTE Band 41C / 10MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99

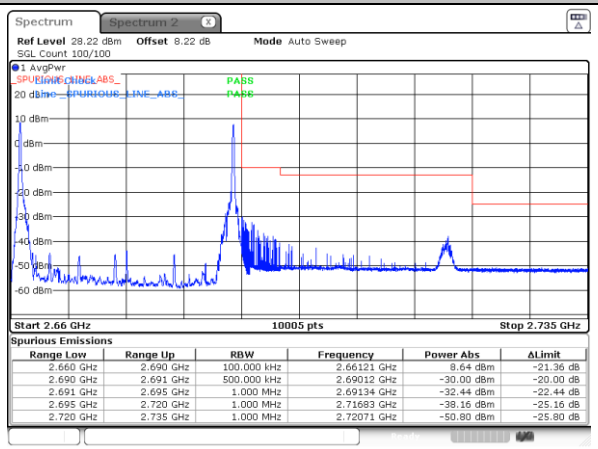


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-40.72 dBm	-15.72 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49487 GHz	-29.87 dBm	-16.87 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49594 GHz	-34.54 dBm	-21.54 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.52482 GHz	7.69 dBm	-22.31 dB

Date: 14.JUN.2023 04:33:46

Highest Band Edge / 1RB0 and 1RB99

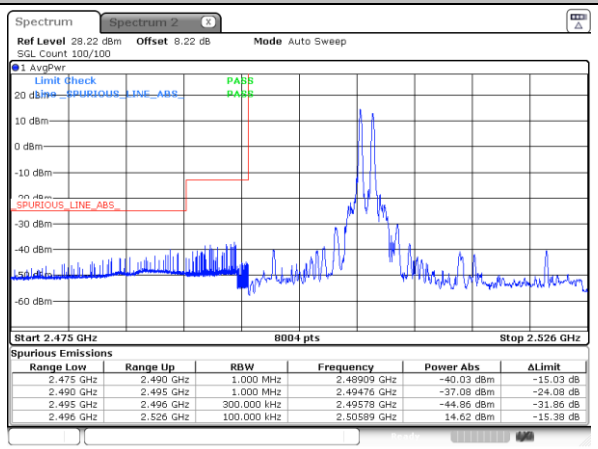


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66121 GHz	8.64 dBm	-21.36 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69012 GHz	-30.00 dBm	-20.00 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69134 GHz	-32.44 dBm	-22.44 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.71683 GHz	-38.16 dBm	-25.16 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72071 GHz	-50.80 dBm	-25.80 dB

Date: 14.JUN.2023 04:46:42

Lowest Band Edge / 1RB49 and 1RB0

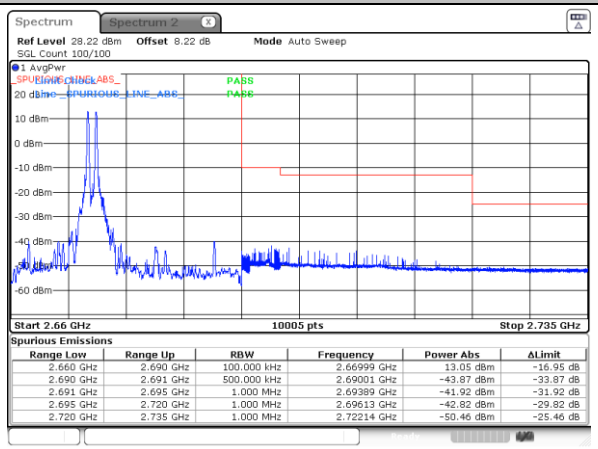


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48909 GHz	-40.03 dBm	-15.03 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49476 GHz	-37.08 dBm	-24.08 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49578 GHz	-44.86 dBm	-31.86 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.50589 GHz	14.62 dBm	-15.38 dB

Date: 14.JUN.2023 04:31:10

Highest Band Edge / 1RB49 and 1RB0

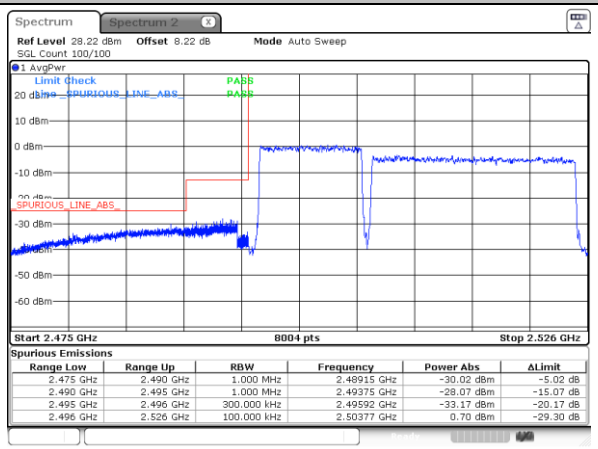


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66999 GHz	13.05 dBm	-16.95 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-43.87 dBm	-33.87 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69389 GHz	-41.92 dBm	-31.92 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.69613 GHz	-42.82 dBm	-29.82 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72214 GHz	-50.46 dBm	-25.46 dB

Date: 14.JUN.2023 04:44:08

Lowest Band Edge / Full RB

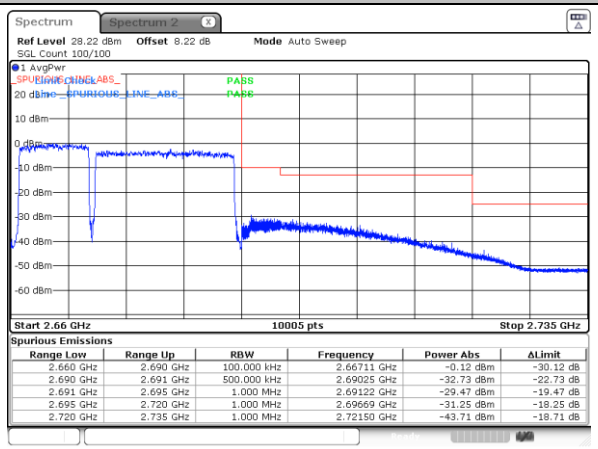


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48915 GHz	-30.02 dBm	-5.02 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49375 GHz	-28.07 dBm	-15.07 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49592 GHz	-33.17 dBm	-20.17 dB
2.496 GHz	2.526 GHz	100.000 kHz	2.50377 GHz	0.70 dBm	-29.30 dB

Date: 14.JUN.2023 04:36:22

Highest Band Edge / Full RB



Spurious Emissions

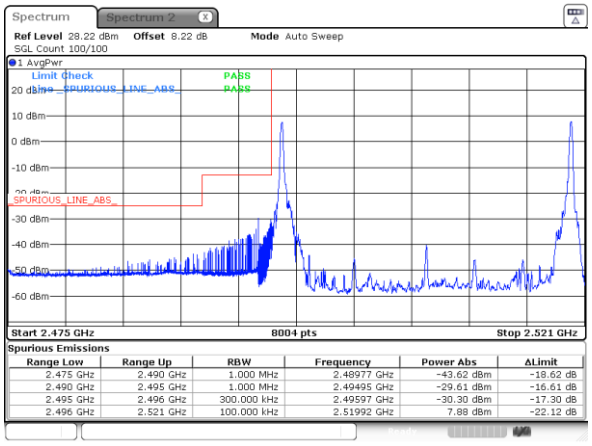
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.660 GHz	2.690 GHz	100.000 kHz	2.66711 GHz	-0.12 dBm	-30.12 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69025 GHz	-32.73 dBm	-22.73 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69122 GHz	-29.47 dBm	-19.47 dB
2.695 GHz	2.720 GHz	1.000 MHz	2.69669 GHz	-31.25 dBm	-18.25 dB
2.720 GHz	2.735 GHz	1.000 MHz	2.72150 GHz	-43.71 dBm	-18.71 dB

Date: 14.JUN.2023 04:49:15

LTE Band 41C / 15MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

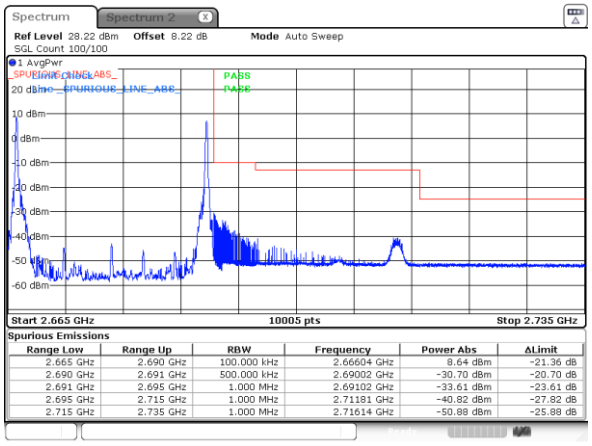


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48977 GHz	-43.62 dBm	-18.62 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-29.61 dBm	-16.61 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49597 GHz	-30.30 dBm	-17.30 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51992 GHz	7.88 dBm	-22.12 dB

Date: 14.JUN.2023 05:02:16

Highest Band Edge / 1RB0 and 1RB49

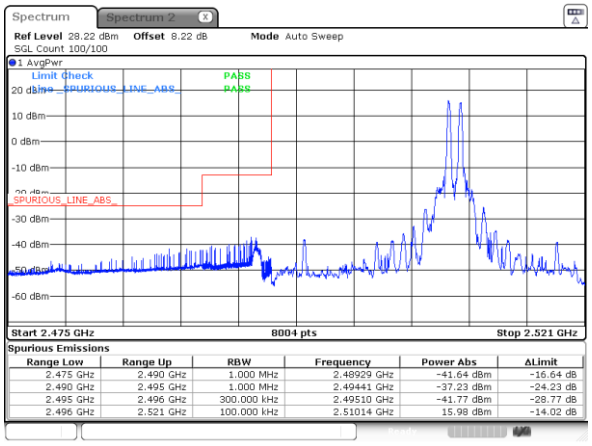


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.66604 GHz	8.64 dBm	-21.36 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69002 GHz	-30.70 dBm	-20.70 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-33.61 dBm	-23.61 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.71181 GHz	-40.82 dBm	-27.82 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71614 GHz	-50.88 dBm	-25.88 dB

Date: 14.JUN.2023 05:18:38

Lowest Band Edge / 1RB74 and 1RB0

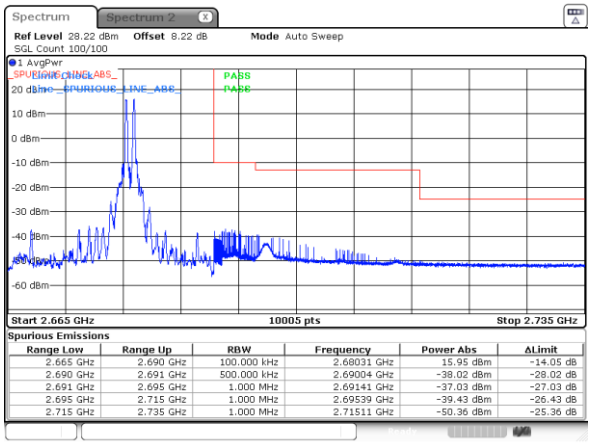


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48929 GHz	-41.64 dBm	-16.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49441 GHz	-37.23 dBm	-24.23 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49510 GHz	-41.77 dBm	-28.77 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51014 GHz	15.98 dBm	-14.02 dB

Date: 14.JUN.2023 04:59:44

Highest Band Edge / 1RB74 and 1RB0

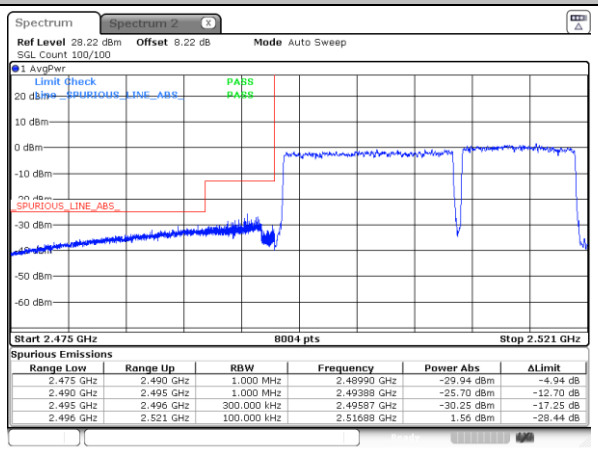


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.68031 GHz	15.95 dBm	-14.05 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-38.02 dBm	-28.02 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69141 GHz	-37.03 dBm	-27.03 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69539 GHz	-39.43 dBm	-26.43 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71511 GHz	-50.36 dBm	-25.36 dB

Date: 14.JUN.2023 05:16:05

Lowest Band Edge / Full RB

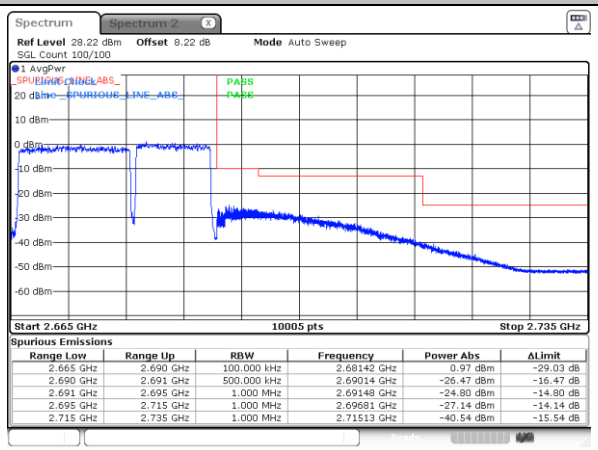


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48990 GHz	-29.94 dBm	-4.94 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49388 GHz	-25.70 dBm	-12.70 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49587 GHz	-30.25 dBm	-17.25 dB
2.496 GHz	2.521 GHz	100.000 kHz	2.51688 GHz	1.56 dBm	-28.44 dB

Date: 14.JUN.2023 05:04:49

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.665 GHz	2.690 GHz	100.000 kHz	2.68142 GHz	0.97 dBm	-29.03 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69014 GHz	-26.47 dBm	-16.47 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69148 GHz	-24.80 dBm	-14.80 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69681 GHz	-27.14 dBm	-14.14 dB
2.715 GHz	2.735 GHz	1.000 MHz	2.71513 GHz	-40.54 dBm	-15.54 dB

Date: 14.JUN.2023 05:21:12