FCC RF Test Report

APPLICANT	:	vivo Mobile Communication Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	vivo
MODEL NAME	:	V2549
FCC ID	:	2AUCY-V2549
STANDARD	:	47 CFR Part 22(F), 27(M)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Jul. 30, 2025 ~ Aug. 05, 2025

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.

Fly Liang

Approved by: Fly Liang

ACCREDITED Cert #5145.01

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG571001C	Rev. 01	Initial issue of report	Aug. 15, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(b)(10)	Effective Radiated Power (Band 13)	ERP < 3 Watt	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §27.53(c)(2)(4)	Conducted Band Edge Measurement (Band 13)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §27.53(c)(2)	Conducted Spurious Emission (Band 13)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log$_{10}$(P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(c)(2) §27.53(f)	Radiated Spurious Emission (Band 13)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 20.14 dB at 1559.5 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log$_{10}$(P[Watts])		

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Applicant

vivo Mobile Communication Co., Ltd.
No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

1.2 Manufacturer

vivo Mobile Communication Co., Ltd.
No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	vivo
Model Name	V2549
FCC ID	2AUCY-V2549
IMEI Code	Conducted: 869820089995394 Radiation: 869820089994298/869820089994280
HW Version	MP_0.1
SW Version	PD2513GF_EX_A_15.0.9.32.W30
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 13 : 5MHz / 10MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	**<ANT13>**: LTE Band 7 : 23.77 dBm LTE Band 13 : 23.77 dBm LTE Band 38 : 23.83 dBm LTE Band 41 : 24.03 dBm **<ANT31>**: LTE Band 7 : 23.65 dBm LTE Band 13 : 23.72 dBm LTE Band 38 : 24.13 dBm LTE Band 41 : 24.27 dBm
Antenna Gain	**<ANT13>**: LTE Band 7 : -0.36 dBi LTE Band 13 : -5.25 dBi LTE Band 38 : 0.34 dBi LTE Band 41 : 0.34 dBi **<ANT31>**: LTE Band 7 : 0.76 dBi LTE Band 13 : -5.24 dBi LTE Band 38 : 0.94 dBi LTE Band 41 : 0.94 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

Note:

1. The maximum EIRP is calculated from max output power and max antenna gain, so only the maximum EIRP of Ant.13 for LTE B13 and Ant.31 for LTE B7/38/41 are shown in the report.
2. For conducted test items, only the test data of Ant.13 for LTE B7/13 and Ant.31 for B41(cover B38) are shown in the report according to the maximum conducted power.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power and Emission Designator

LTE Band 7		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.2716	4M48G7D	0.2128	4M48W7D
10	2505.0 ~ 2565.0	0.2716	8M95G7D	0.2099	9M01W7D
15	2507.5 ~ 2562.5	0.2865	13M5G7D	0.2123	13M4W7D
20	2510.0 ~ 2560.0	0.2761	17M9G7D	0.2163	17M8W7D
LTE Band 13		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0429	4M48G7D	0.0323	4M49W7D
10	782.0	0.0434	8M99G7D	0.0324	8M97W7D
LTE Band 38		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2572.5 ~ 2617.5	0.3184	4M50G7D	0.2328	4M457W7D
10	2575.0 ~ 2615.0	0.3184	9M05G7D	0.2339	8M99W7D
15	2577.5 ~ 2612.5	0.3170	13M4G7D	0.2328	13M4W7D
20	2580.0 ~ 2610.0	0.3214	17M9G7D	0.2355	17M8W7D
LTE Band 41		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.3258	4M50G7D	0.2421	4M457W7D
10	2501.0 ~ 2685.0	0.3258	9M05G7D	0.2477	8M99W7D
15	2503.5 ~ 2682.5	0.3251	13M4G7D	0.2460	13M4W7D
20	2506.0 ~ 2680.0	0.3319	17M9G7D	0.2489	17M8W7D

Note:

1. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.
2. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ 03CH02-SZ	CN1256	421272

1.8 Test Software

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

1.9 Applicable Standards

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

- 47 CFR Part 27(F), 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

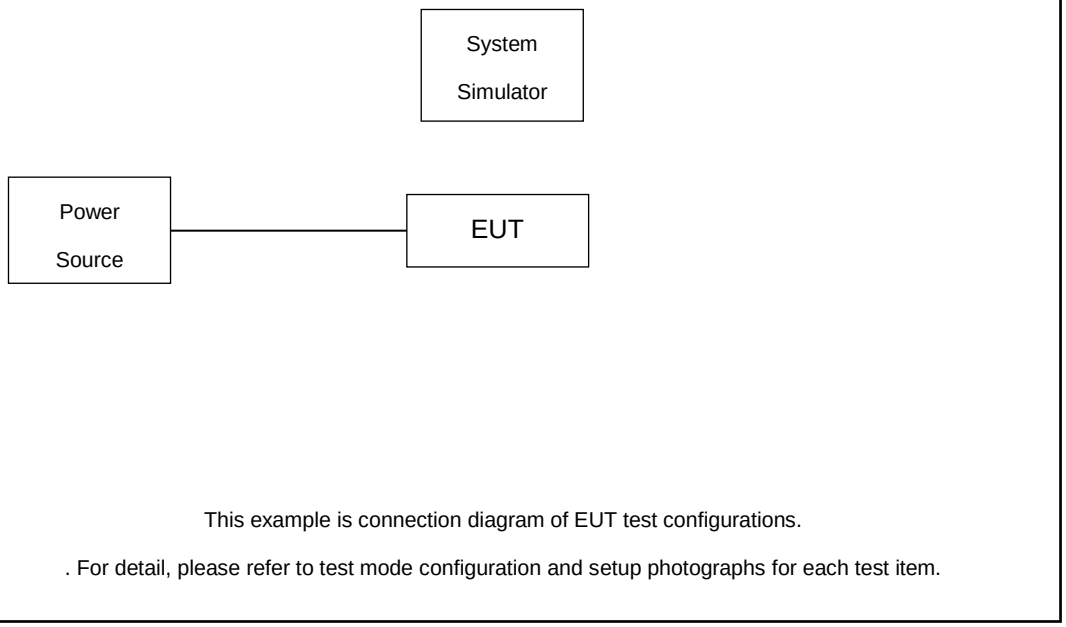
2.1 Test Mode

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. (Z Plane)

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v			v		v	
	41	-	-				v	v	v	v			v		v	
26dB and 99% Bandwidth	7	-	-	v	v	v	v	v	v				v		v	
	13	-	-	v	v	-	-	v	v				v		v	
	41	-	-	v	v	v	v	v	v				v		v	
Conducted Band Edge	7	-	-	v	v	v	v	v	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7	-	-	v	v	v	v	v			v			v	v	v
	13	-	-	v	v	-	-	v			v			v	v	v
	41	-	-	v	v	v	v	v			v			v	v	v
Frequency Stability	7	-	-		v			v					v		v	
	13	-	-		v	-	-	v					v		v	
	41	-	-		v			v					v		v	
E.R.P / E.I.R.P	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	7	Worst Case													v	
	13	Worst Case													v	
	41	Worst Case													v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.															

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 and attenuator factor 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 and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5.0 dB and 10dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 5.0 + 10 = 15.0 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5

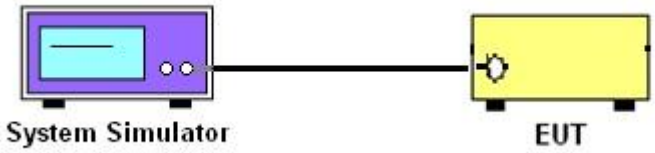
3 Conducted Test Items

3.1 Measuring Instruments

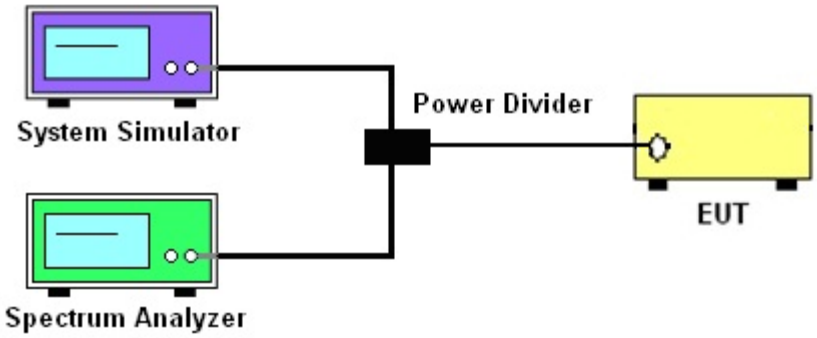
See list of measuring instruments of this test report.

3.2 Test Setup

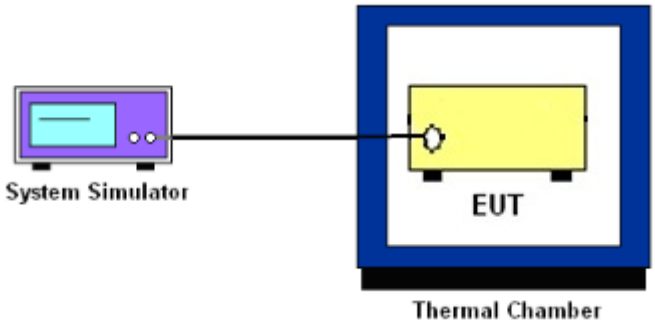
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 13.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7 and Band 38 and Band 41.

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

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
1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. 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.
8. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.
9. 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 7,38,41:

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

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

3.8.2 Test Procedures

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

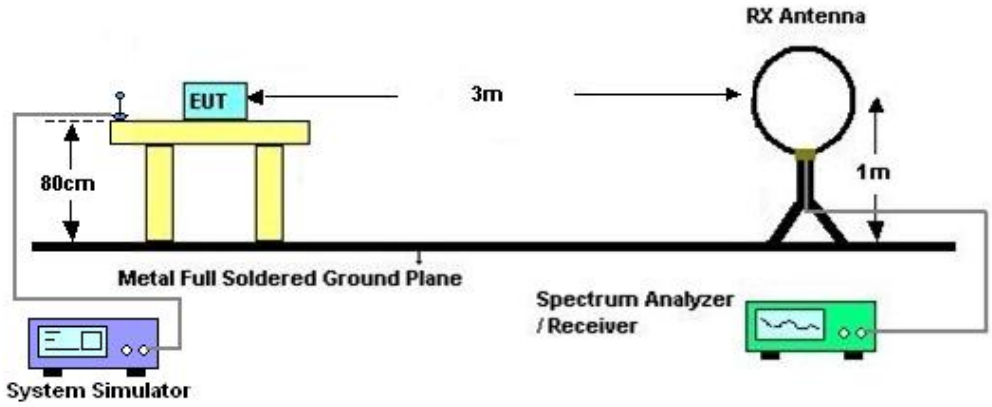
4 Radiated Test Items

4.1 Measuring Instruments

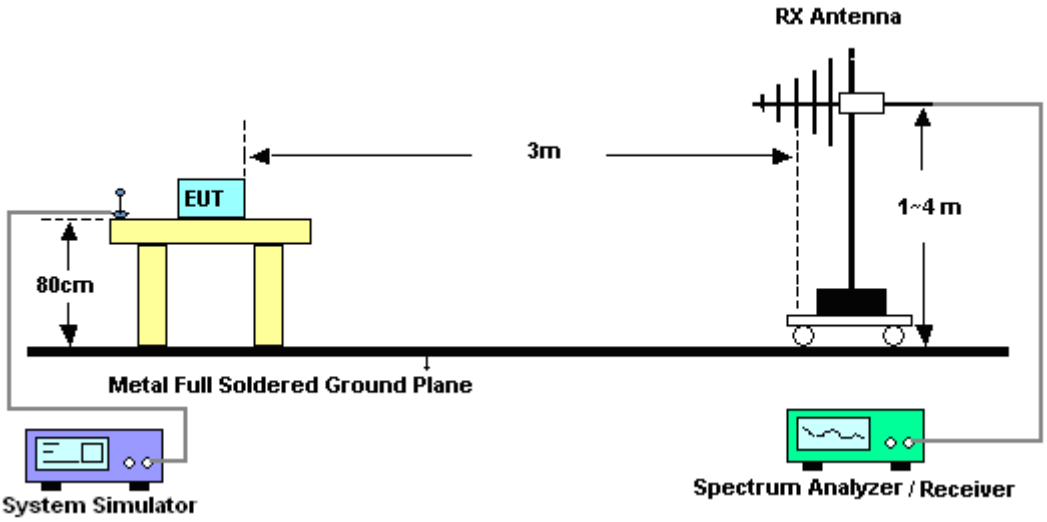
See list of measuring instruments of this test report.

4.2 Test Setup

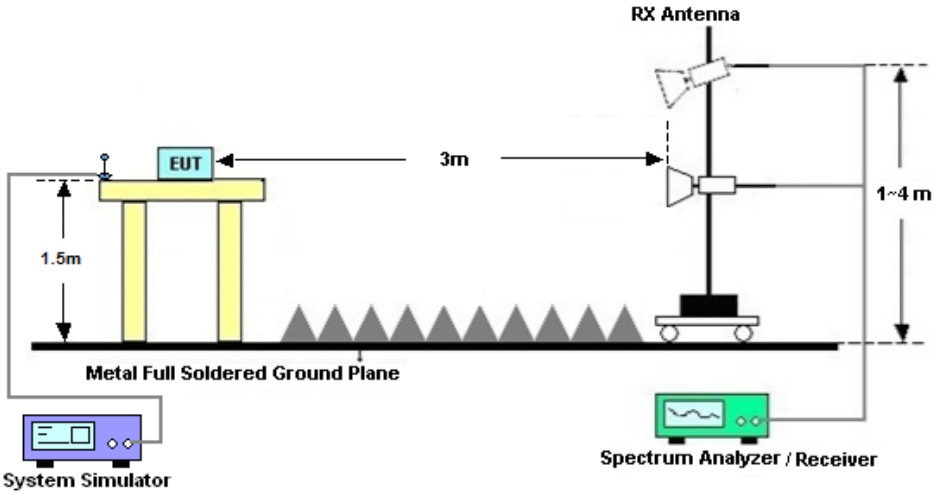
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

For Band 7, 38, 41

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

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For Band 7, 38, 41:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jul. 30, 2025~ Jul. 31, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 14,2024	Jul. 30, 2025~ Jul. 31, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Jul. 30, 2025~ Jul. 31, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Jul. 30, 2025~ Jul. 31, 2025	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Aug. 05, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Aug. 05, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Aug. 05, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Aug. 05, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Aug. 05, 2025	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Aug. 05, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Aug. 05, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Aug. 05, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Aug. 05, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Aug. 05, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Aug. 05, 2025	NCR	Radiation (03CH02-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 Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

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

Measuring uncertainty for a level of Confidence of 95% (u = 2uc(y))	2.47 dB

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

Measuring uncertainty for a level of Confidence of 95% (u = 2uc(y))	3.31 dB

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

Measuring uncertainty for a level of Confidence of 95% (u = 2uc(y))	3.72 dB

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and EIRP/ERP

LTE Band 7_ANT31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	23.38	23.65	23.59	0.2594	0.2761	0.2723
20	QPSK	1	49	23.18	23.53	23.44	0.2477	0.2685	0.2630
20	QPSK	1	99	23.21	23.59	23.41	0.2495	0.2723	0.2612
20	QPSK	50	0	22.29	22.58	22.48	0.2018	0.2158	0.2109
20	QPSK	50	24	22.25	22.52	22.33	0.2000	0.2128	0.2037
20	QPSK	50	50	22.21	22.54	22.39	0.1982	0.2138	0.2065
20	QPSK	100	0	22.25	22.61	22.42	0.2000	0.2173	0.2080
20	16QAM	1	0	22.21	22.59	22.52	0.1982	0.2163	0.2128
20	16QAM	1	49	22.11	22.45	22.27	0.1936	0.2094	0.2009
20	16QAM	1	99	22.14	22.52	22.37	0.1950	0.2128	0.2056
20	16QAM	50	0	21.51	21.78	21.69	0.1687	0.1795	0.1758
20	16QAM	50	24	21.36	21.63	21.52	0.1629	0.1734	0.1690
20	16QAM	50	50	21.41	21.75	21.56	0.1648	0.1782	0.1706
20	16QAM	100	0	21.35	21.71	21.58	0.1626	0.1766	0.1714
20	64QAM	1	0	21.67	22.02	21.83	0.1750	0.1897	0.1816
20	64QAM	1	49	21.67	21.94	21.83	0.1750	0.1862	0.1816
20	64QAM	1	99	21.69	21.95	21.80	0.1758	0.1866	0.1803
20	64QAM	50	0	20.48	20.83	20.72	0.1330	0.1442	0.1406
20	64QAM	50	24	20.46	20.76	20.69	0.1324	0.1419	0.1396
20	64QAM	50	50	20.40	20.77	20.67	0.1306	0.1422	0.1390
20	64QAM	100	0	20.48	20.84	20.67	0.1330	0.1445	0.1390
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	23.26	23.51	23.53	0.2523	0.2673	0.2685
15	QPSK	1	37	23.12	23.39	23.30	0.2443	0.2600	0.2547
15	QPSK	1	74	23.20	23.49	23.38	0.2489	0.2661	0.2594
15	QPSK	36	0	22.23	22.51	22.34	0.1991	0.2123	0.2042
15	QPSK	36	20	22.15	22.46	22.29	0.1954	0.2099	0.2018
15	QPSK	36	39	22.13	22.51	22.28	0.1945	0.2123	0.2014
15	QPSK	75	0	22.17	22.56	22.31	0.1963	0.2148	0.2028
15	16QAM	1	0	22.09	22.45	22.51	0.1928	0.2094	0.2123

15	16QAM	1	37	22.03	22.41	22.15	0.1901	0.2075	0.1954
15	16QAM	1	74	22.07	22.41	22.32	0.1919	0.2075	0.2032
15	16QAM	36	0	21.47	21.68	21.56	0.1671	0.1754	0.1706
15	16QAM	36	20	21.24	21.60	21.50	0.1585	0.1722	0.1683
15	16QAM	36	39	21.35	21.65	21.53	0.1626	0.1742	0.1694
15	16QAM	75	0	21.26	21.67	21.44	0.1592	0.1750	0.1660
15	64QAM	1	0	21.63	21.91	21.69	0.1734	0.1849	0.1758
15	64QAM	1	37	21.64	21.90	21.73	0.1738	0.1845	0.1774
15	64QAM	1	74	21.64	21.86	21.70	0.1738	0.1828	0.1762
15	64QAM	36	0	20.37	20.71	20.64	0.1297	0.1403	0.1380
15	64QAM	36	20	20.34	20.74	20.58	0.1288	0.1413	0.1361
15	64QAM	36	39	20.34	20.66	20.63	0.1288	0.1387	0.1377
15	64QAM	75	0	20.39	20.75	20.65	0.1303	0.1416	0.1384
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	23.29	23.51	23.58	0.2541	0.2673	0.2716
10	QPSK	1	25	23.14	23.49	23.33	0.2455	0.2661	0.2564
10	QPSK	1	49	23.10	23.52	23.27	0.2432	0.2679	0.2529
10	QPSK	25	0	22.27	22.56	22.45	0.2009	0.2148	0.2094
10	QPSK	25	12	22.17	22.38	22.30	0.1963	0.2061	0.2023
10	QPSK	25	25	22.16	22.49	22.24	0.1959	0.2113	0.1995
10	QPSK	50	0	22.12	22.52	22.40	0.1941	0.2128	0.2070
10	16QAM	1	0	22.06	22.46	22.39	0.1914	0.2099	0.2065
10	16QAM	1	25	21.98	22.36	22.14	0.1879	0.2051	0.1950
10	16QAM	1	49	22.02	22.45	22.29	0.1897	0.2094	0.2018
10	16QAM	25	0	21.37	21.76	21.57	0.1633	0.1786	0.1710
10	16QAM	25	12	21.29	21.57	21.45	0.1603	0.1710	0.1663
10	16QAM	25	25	21.30	21.70	21.51	0.1607	0.1762	0.1687
10	16QAM	50	0	21.21	21.64	21.55	0.1574	0.1738	0.1702
10	64QAM	1	0	21.66	21.92	21.76	0.1746	0.1854	0.1786
10	64QAM	1	25	21.63	21.93	21.72	0.1734	0.1858	0.1770
10	64QAM	1	49	21.60	21.83	21.72	0.1722	0.1816	0.1770
10	64QAM	25	0	20.38	20.71	20.70	0.1300	0.1403	0.1400
10	64QAM	25	12	20.34	20.61	20.63	0.1288	0.1371	0.1377
10	64QAM	25	25	20.26	20.68	20.55	0.1265	0.1393	0.1352
10	64QAM	50	0	20.36	20.74	20.55	0.1294	0.1413	0.1352
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	23.35	23.51	23.58	0.2576	0.2673	0.2716
5	QPSK	1	12	23.07	23.41	23.40	0.2415	0.2612	0.2606
5	QPSK	1	24	23.08	23.53	23.39	0.2421	0.2685	0.2600
5	QPSK	12	0	22.19	22.52	22.46	0.1972	0.2128	0.2099
5	QPSK	12	7	22.10	22.41	22.25	0.1932	0.2075	0.2000
5	QPSK	12	13	22.18	22.45	22.32	0.1968	0.2094	0.2032
5	QPSK	25	0	22.14	22.59	22.35	0.1950	0.2163	0.2046

5	16QAM	1	0	22.09	22.52	22.49	0.1928	0.2128	0.2113
5	16QAM	1	12	22.06	22.32	22.24	0.1914	0.2032	0.1995
5	16QAM	1	24	22.03	22.43	22.35	0.1901	0.2084	0.2046
5	16QAM	12	0	21.45	21.64	21.65	0.1663	0.1738	0.1742
5	16QAM	12	7	21.34	21.54	21.41	0.1622	0.1698	0.1648
5	16QAM	12	13	21.38	21.66	21.52	0.1637	0.1746	0.1690
5	16QAM	25	0	21.32	21.57	21.49	0.1614	0.1710	0.1679
5	64QAM	1	0	21.54	21.99	21.69	0.1698	0.1884	0.1758
5	64QAM	1	12	21.59	21.89	21.72	0.1718	0.1841	0.1770
5	64QAM	1	24	21.60	21.92	21.71	0.1722	0.1854	0.1766
5	64QAM	12	0	20.36	20.77	20.59	0.1294	0.1422	0.1365
5	64QAM	12	7	20.41	20.63	20.56	0.1309	0.1377	0.1355
5	64QAM	12	13	20.38	20.75	20.52	0.1300	0.1416	0.1343
5	64QAM	25	0	20.44	20.75	20.60	0.1318	0.1416	0.1368

LTE Band 13_ANT13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel					23230				
Frequency (MHz)					782			M	
10	QPSK	1	0		23.77			0.0434	
10	QPSK	1	25		23.59			0.0416	
10	QPSK	1	49		23.55			0.0412	
10	QPSK	25	0		22.67			0.0337	
10	QPSK	25	12		22.54			0.0327	
10	QPSK	25	25		22.54			0.0327	
10	QPSK	50	0		22.67			0.0337	
10	16QAM	1	0		22.51			0.0324	
10	16QAM	1	25		22.39			0.0316	
10	16QAM	1	49		22.41			0.0317	
10	16QAM	25	0		21.77			0.0274	
10	16QAM	25	12		21.65			0.0266	
10	16QAM	25	25		21.71			0.0270	
10	16QAM	50	0		21.71			0.0270	
10	64QAM	1	0		21.63			0.0265	
10	64QAM	1	25		21.49			0.0256	
10	64QAM	1	49		21.58			0.0262	
10	64QAM	25	0		20.77			0.0217	
10	64QAM	25	12		20.64			0.0211	
10	64QAM	25	25		20.64			0.0211	
10	64QAM	50	0		20.67			0.0212	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	23.68	23.59	23.72	0.0425	0.0416	0.0429
5	QPSK	1	12	23.48	23.45	23.53	0.0406	0.0403	0.0410

5	QPSK	1	24	23.46	23.45	23.50	0.0404	0.0403	0.0407
5	QPSK	12	0	22.50	22.54	22.52	0.0324	0.0327	0.0325
5	QPSK	12	7	22.55	22.49	22.56	0.0327	0.0323	0.0328
5	QPSK	12	13	22.46	22.45	22.43	0.0321	0.0320	0.0318
5	QPSK	25	0	22.51	22.55	22.65	0.0324	0.0327	0.0335
5	16QAM	1	0	22.36	22.41	22.49	0.0313	0.0317	0.0323
5	16QAM	1	12	22.20	22.26	22.25	0.0302	0.0306	0.0305
5	16QAM	1	24	22.38	22.32	22.32	0.0315	0.0310	0.0310
5	16QAM	12	0	21.59	21.65	21.69	0.0262	0.0266	0.0269
5	16QAM	12	7	21.59	21.55	21.63	0.0262	0.0260	0.0265
5	16QAM	12	13	21.62	21.63	21.66	0.0264	0.0265	0.0267
5	16QAM	25	0	21.61	21.60	21.68	0.0264	0.0263	0.0268
5	64QAM	1	0	21.63	21.57	21.55	0.0265	0.0261	0.0260
5	64QAM	1	12	21.38	21.44	21.51	0.0250	0.0254	0.0258
5	64QAM	1	24	21.44	21.44	21.51	0.0254	0.0254	0.0258
5	64QAM	12	0	20.68	20.64	20.66	0.0213	0.0211	0.0212
5	64QAM	12	7	20.49	20.49	20.50	0.0204	0.0204	0.0204
5	64QAM	12	13	20.47	20.54	20.57	0.0203	0.0206	0.0207
5	64QAM	25	0	20.68	20.62	20.61	0.0213	0.0210	0.0209

LTE Band 38_ANT31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	24.11	24.13	24.06	0.3199	0.3214	0.3162
20	QPSK	1	49	23.87	23.99	23.87	0.3027	0.3112	0.3027
20	QPSK	1	99	23.99	24.03	23.87	0.3112	0.3141	0.3027
20	QPSK	50	0	23.18	23.29	23.20	0.2582	0.2649	0.2594
20	QPSK	50	24	23.14	23.18	22.99	0.2559	0.2582	0.2472
20	QPSK	50	50	23.10	23.15	23.03	0.2535	0.2564	0.2495
20	QPSK	100	0	23.15	23.19	23.06	0.2564	0.2588	0.2512
20	16QAM	1	0	22.66	22.78	22.65	0.2291	0.2355	0.2286
20	16QAM	1	49	22.54	22.68	22.51	0.2228	0.2301	0.2213
20	16QAM	1	99	22.71	22.74	22.62	0.2317	0.2333	0.2270
20	16QAM	50	0	22.13	22.21	22.03	0.2028	0.2065	0.1982
20	16QAM	50	24	22.05	22.17	22.07	0.1991	0.2046	0.2000
20	16QAM	50	50	21.99	22.06	21.91	0.1963	0.1995	0.1928
20	16QAM	100	0	22.16	22.26	22.18	0.2042	0.2089	0.2051
20	64QAM	1	0	22.30	22.38	22.23	0.2109	0.2148	0.2075
20	64QAM	1	49	22.21	22.29	22.16	0.2065	0.2104	0.2042
20	64QAM	1	99	22.15	22.30	22.09	0.2037	0.2109	0.2009
20	64QAM	50	0	20.90	20.94	20.76	0.1528	0.1542	0.1479
20	64QAM	50	24	20.69	20.84	20.71	0.1455	0.1507	0.1462
20	64QAM	50	50	20.67	20.83	20.65	0.1449	0.1503	0.1442

20	64QAM	100	0	20.95	20.98	20.80	0.1545	0.1556	0.1493
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	24.07	24.05	23.99	0.3170	0.3155	0.3112
15	QPSK	1	37	23.82	23.94	23.73	0.2992	0.3076	0.2931
15	QPSK	1	74	23.91	23.92	23.75	0.3055	0.3062	0.2944
15	QPSK	36	0	23.06	23.25	23.18	0.2512	0.2624	0.2582
15	QPSK	36	20	23.05	23.12	22.91	0.2506	0.2547	0.2427
15	QPSK	36	39	23.01	23.11	22.90	0.2483	0.2541	0.2421
15	QPSK	75	0	23.11	23.15	22.99	0.2541	0.2564	0.2472
15	16QAM	1	0	22.52	22.73	22.61	0.2218	0.2328	0.2265
15	16QAM	1	37	22.39	22.61	22.42	0.2153	0.2265	0.2168
15	16QAM	1	74	22.65	22.63	22.52	0.2286	0.2275	0.2218
15	16QAM	36	0	22.02	22.15	22.01	0.1977	0.2037	0.1972
15	16QAM	36	20	21.99	22.10	22.01	0.1963	0.2014	0.1972
15	16QAM	36	39	21.90	22.00	21.90	0.1923	0.1968	0.1923
15	16QAM	75	0	22.14	22.19	22.12	0.2032	0.2056	0.2023
15	64QAM	1	0	22.18	22.30	22.08	0.2051	0.2109	0.2004
15	64QAM	1	37	22.14	22.25	22.11	0.2032	0.2084	0.2018
15	64QAM	1	74	22.04	22.22	21.95	0.1986	0.2070	0.1945
15	64QAM	36	0	20.79	20.93	20.65	0.1489	0.1538	0.1442
15	64QAM	36	20	20.59	20.69	20.67	0.1422	0.1455	0.1449
15	64QAM	36	39	20.57	20.73	20.56	0.1416	0.1469	0.1413
15	64QAM	75	0	20.93	20.97	20.76	0.1538	0.1552	0.1479
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	24.07	24.09	23.97	0.3170	0.3184	0.3097
10	QPSK	1	25	23.74	23.86	23.84	0.2938	0.3020	0.3006
10	QPSK	1	49	23.90	23.98	23.82	0.3048	0.3105	0.2992
10	QPSK	25	0	23.06	23.22	23.17	0.2512	0.2606	0.2576
10	QPSK	25	12	23.07	23.05	22.88	0.2518	0.2506	0.2410
10	QPSK	25	25	23.07	23.13	22.92	0.2518	0.2553	0.2432
10	QPSK	50	0	23.01	23.07	22.96	0.2483	0.2518	0.2455
10	16QAM	1	0	22.63	22.75	22.60	0.2275	0.2339	0.2259
10	16QAM	1	25	22.51	22.57	22.37	0.2213	0.2244	0.2143
10	16QAM	1	49	22.64	22.59	22.58	0.2280	0.2254	0.2249
10	16QAM	25	0	22.06	22.17	21.98	0.1995	0.2046	0.1959
10	16QAM	25	12	22.00	22.09	22.00	0.1968	0.2009	0.1968
10	16QAM	25	25	21.85	21.99	21.86	0.1901	0.1963	0.1905
10	16QAM	50	0	22.14	22.22	22.10	0.2032	0.2070	0.2014
10	64QAM	1	0	22.19	22.31	22.17	0.2056	0.2113	0.2046
10	64QAM	1	25	22.20	22.24	22.01	0.2061	0.2080	0.1972
10	64QAM	1	49	22.07	22.17	21.99	0.2000	0.2046	0.1963
10	64QAM	25	0	20.82	20.89	20.64	0.1500	0.1524	0.1439
10	64QAM	25	12	20.65	20.73	20.59	0.1442	0.1469	0.1422

10	64QAM	25	25	20.53	20.78	20.60	0.1403	0.1486	0.1426
10	64QAM	50	0	20.89	20.96	20.76	0.1524	0.1549	0.1479
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	23.97	24.09	23.92	0.3097	0.3184	0.3062
5	QPSK	1	12	23.82	23.95	23.80	0.2992	0.3083	0.2979
5	QPSK	1	24	23.98	23.91	23.84	0.3105	0.3055	0.3006
5	QPSK	12	0	23.09	23.21	23.11	0.2529	0.2600	0.2541
5	QPSK	12	7	23.13	23.13	22.93	0.2553	0.2553	0.2438
5	QPSK	12	13	23.07	23.01	22.96	0.2518	0.2483	0.2455
5	QPSK	25	0	23.00	23.17	23.05	0.2477	0.2576	0.2506
5	16QAM	1	0	22.51	22.73	22.58	0.2213	0.2328	0.2249
5	16QAM	1	12	22.41	22.59	22.39	0.2163	0.2254	0.2153
5	16QAM	1	24	22.67	22.61	22.56	0.2296	0.2265	0.2239
5	16QAM	12	0	22.02	22.15	22.01	0.1977	0.2037	0.1972
5	16QAM	12	7	21.97	22.08	22.03	0.1954	0.2004	0.1982
5	16QAM	12	13	21.88	22.03	21.85	0.1914	0.1982	0.1901
5	16QAM	25	0	22.09	22.17	22.05	0.2009	0.2046	0.1991
5	64QAM	1	0	22.16	22.30	22.18	0.2042	0.2109	0.2051
5	64QAM	1	12	22.17	22.20	22.10	0.2046	0.2061	0.2014
5	64QAM	1	24	22.04	22.18	21.97	0.1986	0.2051	0.1954
5	64QAM	12	0	20.80	20.83	20.65	0.1493	0.1503	0.1442
5	64QAM	12	7	20.57	20.74	20.57	0.1416	0.1472	0.1416
5	64QAM	12	13	20.57	20.80	20.60	0.1416	0.1493	0.1426
5	64QAM	25	0	20.90	20.93	20.66	0.1528	0.1538	0.1445

LTE Band 41_ANT31

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	23.77	24.27	24.06	0.2958	0.3319	0.3162
20	QPSK	1	49	23.62	24.19	23.90	0.2858	0.3258	0.3048
20	QPSK	1	99	23.56	24.14	23.86	0.2818	0.3221	0.3020
20	QPSK	50	0	22.67	23.21	22.95	0.2296	0.2600	0.2449
20	QPSK	50	24	22.51	23.08	22.76	0.2213	0.2523	0.2344
20	QPSK	50	50	22.61	23.16	22.95	0.2265	0.2570	0.2449
20	QPSK	100	0	22.65	23.19	22.95	0.2286	0.2588	0.2449
20	16QAM	1	0	22.44	23.02	22.69	0.2178	0.2489	0.2307
20	16QAM	1	49	22.30	22.90	22.68	0.2109	0.2421	0.2301
20	16QAM	1	99	22.48	22.98	22.77	0.2198	0.2466	0.2350
20	16QAM	50	0	21.70	22.31	21.99	0.1837	0.2113	0.1963
20	16QAM	50	24	21.62	22.19	21.98	0.1803	0.2056	0.1959
20	16QAM	50	50	21.61	22.20	21.86	0.1799	0.2061	0.1905
20	16QAM	100	0	21.61	22.16	21.89	0.1799	0.2042	0.1919

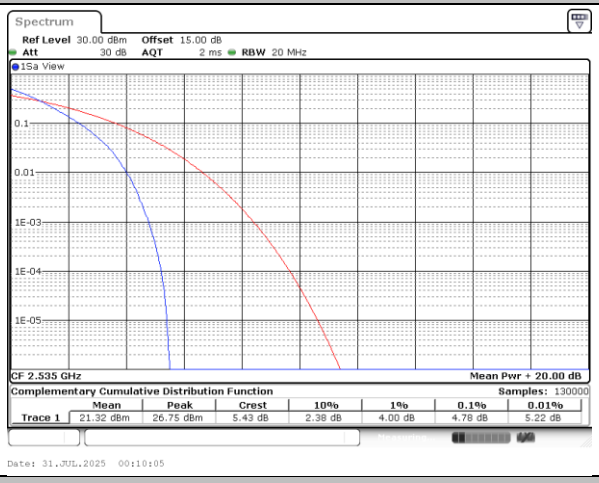
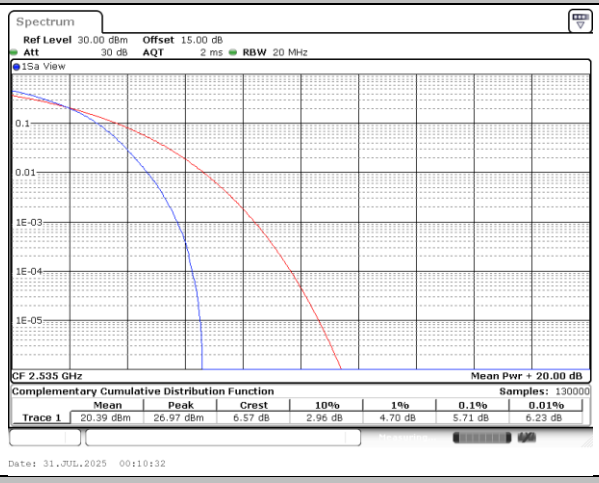
20	64QAM	1	0	21.51	22.12	21.82	0.1758	0.2023	0.1888
20	64QAM	1	49	21.43	22.01	21.80	0.1726	0.1972	0.1879
20	64QAM	1	99	21.46	21.99	21.70	0.1738	0.1963	0.1837
20	64QAM	50	0	20.49	21.02	20.69	0.1390	0.1570	0.1455
20	64QAM	50	24	20.44	20.95	20.67	0.1374	0.1545	0.1449
20	64QAM	50	50	20.41	20.97	20.78	0.1365	0.1552	0.1486
20	64QAM	100	0	20.55	21.11	20.84	0.1409	0.1603	0.1507
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	23.74	24.18	23.93	0.2938	0.3251	0.3069
15	QPSK	1	37	23.56	24.12	23.80	0.2818	0.3206	0.2979
15	QPSK	1	74	23.52	24.08	23.80	0.2793	0.3177	0.2979
15	QPSK	36	0	22.59	23.19	22.87	0.2254	0.2588	0.2404
15	QPSK	36	20	22.37	23.05	22.72	0.2143	0.2506	0.2323
15	QPSK	36	39	22.53	23.14	22.90	0.2223	0.2559	0.2421
15	QPSK	75	0	22.54	23.14	22.92	0.2228	0.2559	0.2432
15	16QAM	1	0	22.34	22.97	22.62	0.2128	0.2460	0.2270
15	16QAM	1	37	22.27	22.86	22.57	0.2094	0.2399	0.2244
15	16QAM	1	74	22.43	22.90	22.69	0.2173	0.2421	0.2307
15	16QAM	36	0	21.59	22.22	21.90	0.1791	0.2070	0.1923
15	16QAM	36	20	21.52	22.13	21.83	0.1762	0.2028	0.1892
15	16QAM	36	39	21.50	22.19	21.81	0.1754	0.2056	0.1884
15	16QAM	75	0	21.55	22.08	21.82	0.1774	0.2004	0.1888
15	64QAM	1	0	21.47	22.00	21.79	0.1742	0.1968	0.1875
15	64QAM	1	37	21.34	21.95	21.74	0.1690	0.1945	0.1854
15	64QAM	1	74	21.36	21.94	21.67	0.1698	0.1941	0.1824
15	64QAM	36	0	20.47	20.97	20.54	0.1384	0.1552	0.1406
15	64QAM	36	20	20.33	20.90	20.56	0.1340	0.1528	0.1413
15	64QAM	36	39	20.33	20.85	20.66	0.1340	0.1510	0.1445
15	64QAM	75	0	20.41	21.05	20.77	0.1365	0.1581	0.1483
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	23.71	24.19	23.96	0.2917	0.3258	0.3090
10	QPSK	1	25	23.51	24.05	23.80	0.2786	0.3155	0.2979
10	QPSK	1	49	23.46	24.05	23.75	0.2754	0.3155	0.2944
10	QPSK	25	0	22.62	23.12	22.86	0.2270	0.2547	0.2399
10	QPSK	25	12	22.44	23.00	22.68	0.2178	0.2477	0.2301
10	QPSK	25	25	22.56	23.12	22.90	0.2239	0.2547	0.2421
10	QPSK	50	0	22.61	23.09	22.91	0.2265	0.2529	0.2427
10	16QAM	1	0	22.36	23.00	22.58	0.2138	0.2477	0.2249
10	16QAM	1	25	22.23	22.78	22.62	0.2075	0.2355	0.2270
10	16QAM	1	49	22.35	22.88	22.67	0.2133	0.2410	0.2296
10	16QAM	25	0	21.61	22.17	21.88	0.1799	0.2046	0.1914
10	16QAM	25	12	21.60	22.10	21.90	0.1795	0.2014	0.1923
10	16QAM	25	25	21.49	22.13	21.73	0.1750	0.2028	0.1849

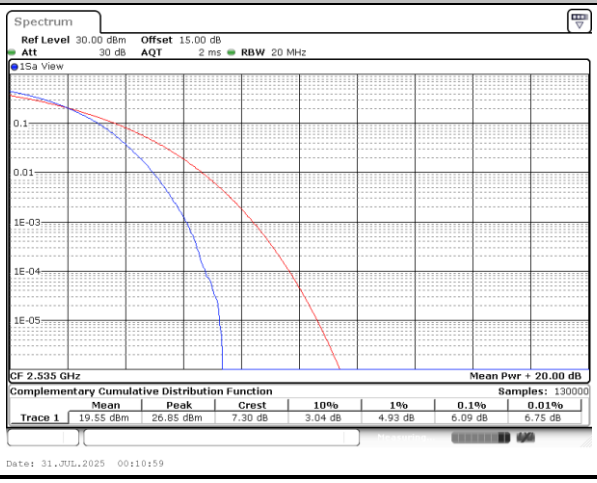
10	16QAM	50	0	21.59	22.11	21.79	0.1791	0.2018	0.1875
10	64QAM	1	0	21.46	22.06	21.76	0.1738	0.1995	0.1862
10	64QAM	1	25	21.32	21.94	21.69	0.1683	0.1941	0.1832
10	64QAM	1	49	21.39	21.85	21.57	0.1710	0.1901	0.1782
10	64QAM	25	0	20.38	20.98	20.65	0.1355	0.1556	0.1442
10	64QAM	25	12	20.30	20.91	20.60	0.1330	0.1531	0.1426
10	64QAM	25	25	20.31	20.95	20.73	0.1334	0.1545	0.1469
10	64QAM	50	0	20.46	21.01	20.80	0.1380	0.1567	0.1493
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	23.74	24.19	24.01	0.2938	0.3258	0.3126
5	QPSK	1	12	23.51	24.07	23.80	0.2786	0.3170	0.2979
5	QPSK	1	24	23.46	24.05	23.85	0.2754	0.3155	0.3013
5	QPSK	12	0	22.56	23.20	22.93	0.2239	0.2594	0.2438
5	QPSK	12	7	22.48	22.93	22.72	0.2198	0.2438	0.2323
5	QPSK	12	13	22.52	23.06	22.89	0.2218	0.2512	0.2415
5	QPSK	25	0	22.55	23.12	22.82	0.2234	0.2547	0.2377
5	16QAM	1	0	22.41	22.90	22.55	0.2163	0.2421	0.2234
5	16QAM	1	12	22.25	22.76	22.62	0.2084	0.2344	0.2270
5	16QAM	1	24	22.40	22.83	22.76	0.2158	0.2382	0.2344
5	16QAM	12	0	21.56	22.22	21.87	0.1778	0.2070	0.1910
5	16QAM	12	7	21.60	22.05	21.97	0.1795	0.1991	0.1954
5	16QAM	12	13	21.59	22.10	21.84	0.1791	0.2014	0.1897
5	16QAM	25	0	21.49	22.05	21.86	0.1750	0.1991	0.1905
5	64QAM	1	0	21.45	22.04	21.78	0.1734	0.1986	0.1871
5	64QAM	1	12	21.42	21.97	21.75	0.1722	0.1954	0.1858
5	64QAM	1	24	21.33	21.86	21.63	0.1687	0.1905	0.1807
5	64QAM	12	0	20.36	20.89	20.56	0.1349	0.1524	0.1413
5	64QAM	12	7	20.40	20.90	20.63	0.1361	0.1528	0.1435
5	64QAM	12	13	20.30	20.94	20.68	0.1330	0.1542	0.1452
5	64QAM	25	0	20.44	21.09	20.79	0.1374	0.1596	0.1489

LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.71	6.09	PASS

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

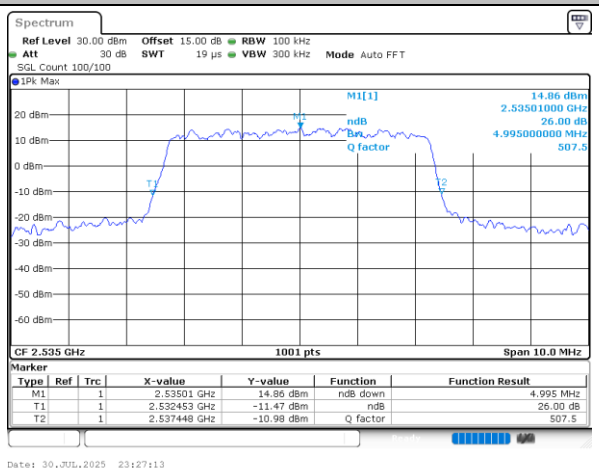
LTE Band 7 / 20MHz / 64QAM
Middle Channel / Full RB


26dB Bandwidth

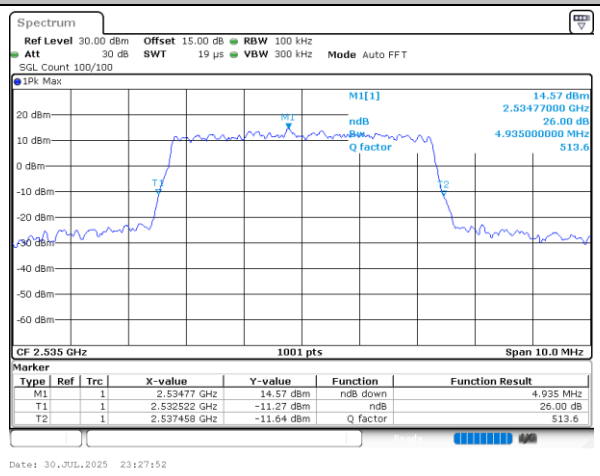
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.00	4.94	9.77	9.87	14.21	14.27	18.94	19.10

LTE Band 7

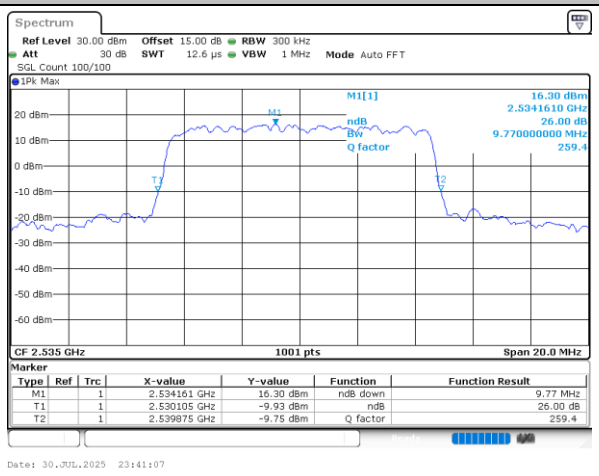
Middle Channel / 5MHz / QPSK



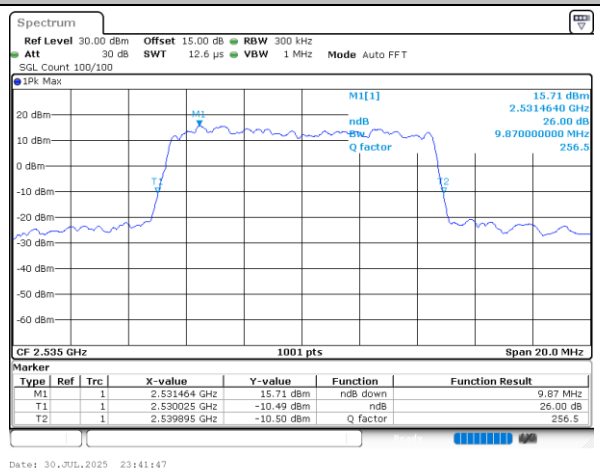
Middle Channel / 5MHz / 16QAM

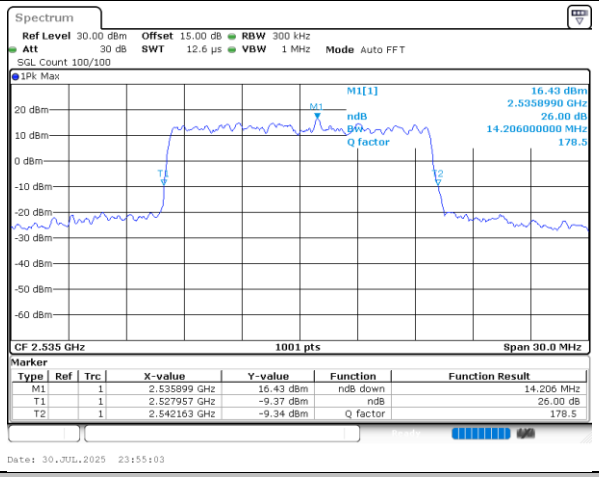
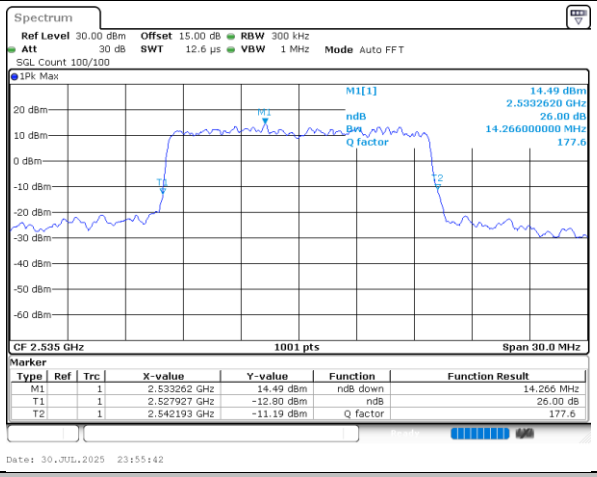
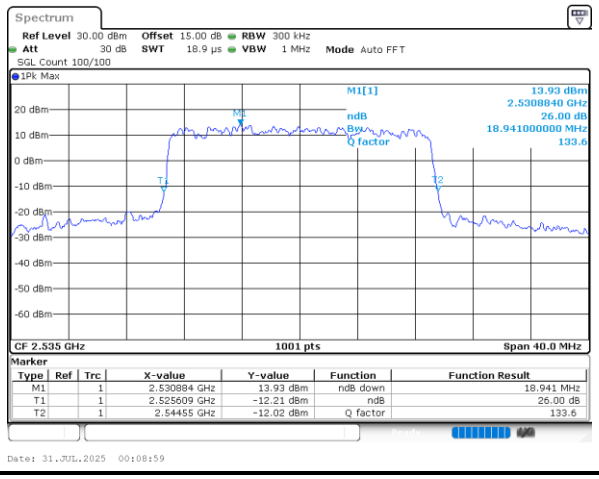
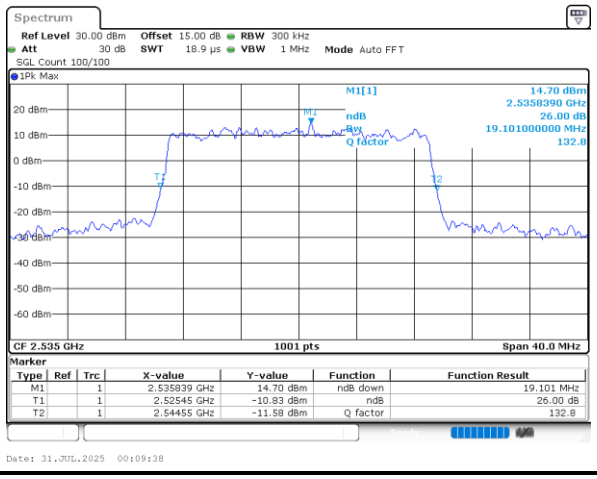


Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



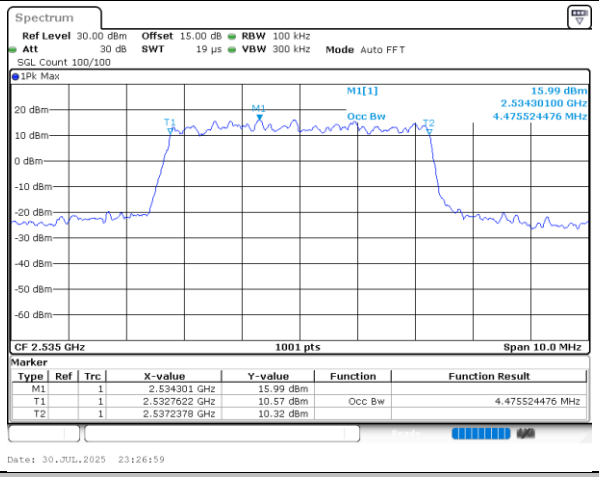
LTE Band 7	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

Occupied Bandwidth

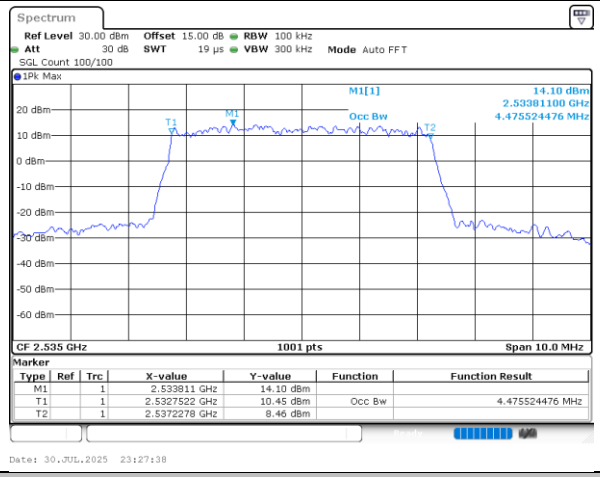
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.48	8.95	9.01	13.49	13.43	17.86	17.82

LTE Band 7

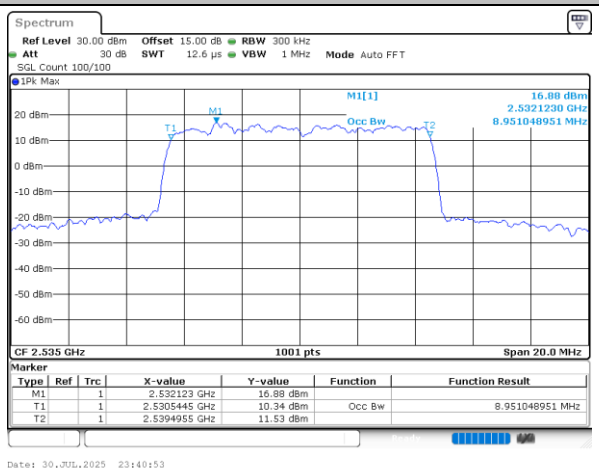
Middle Channel / 5MHz / QPSK



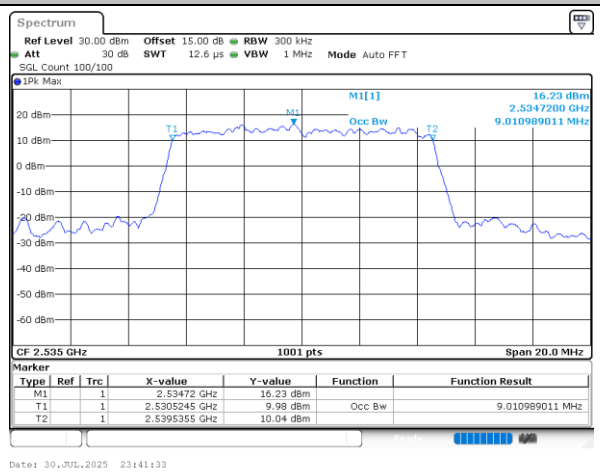
Middle Channel / 5MHz / 16QAM

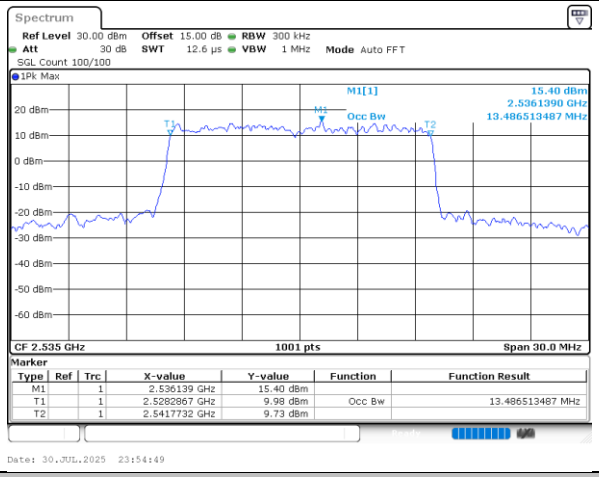
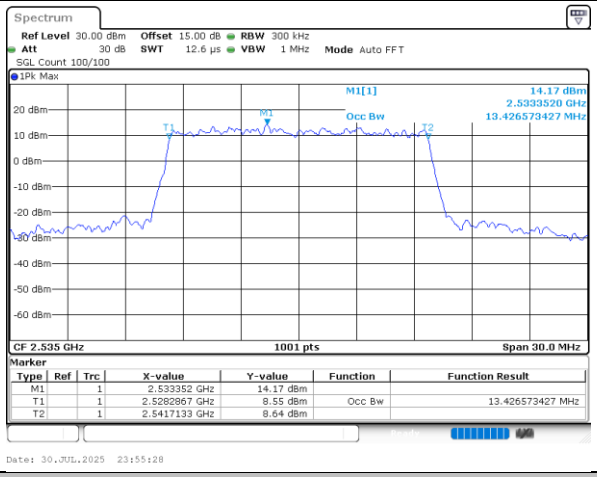
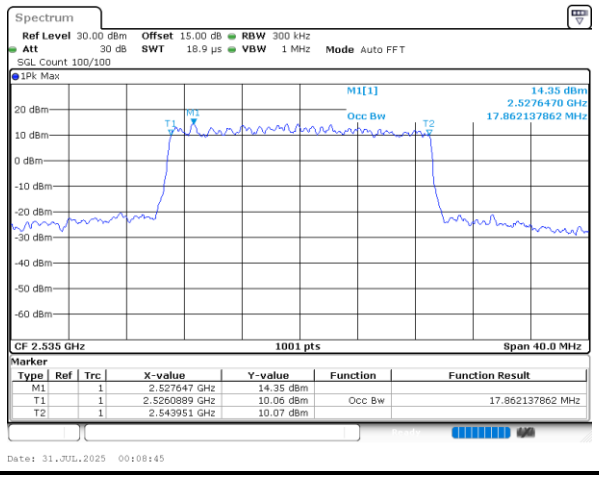
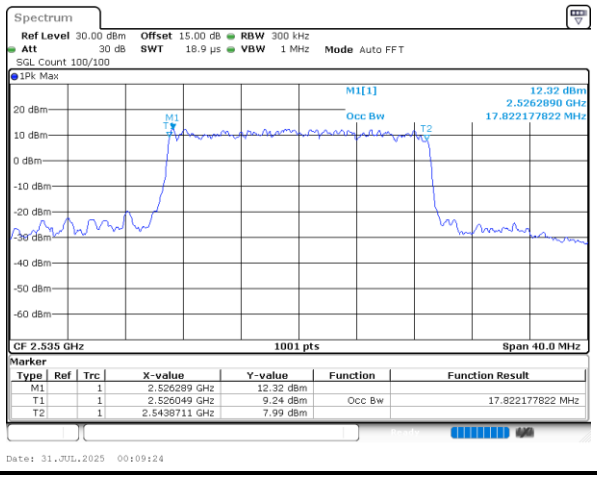


Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

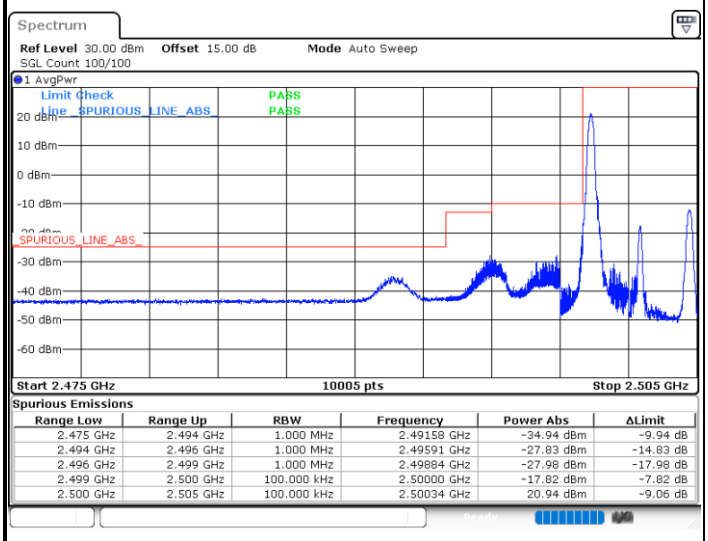


LTE Band 7	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

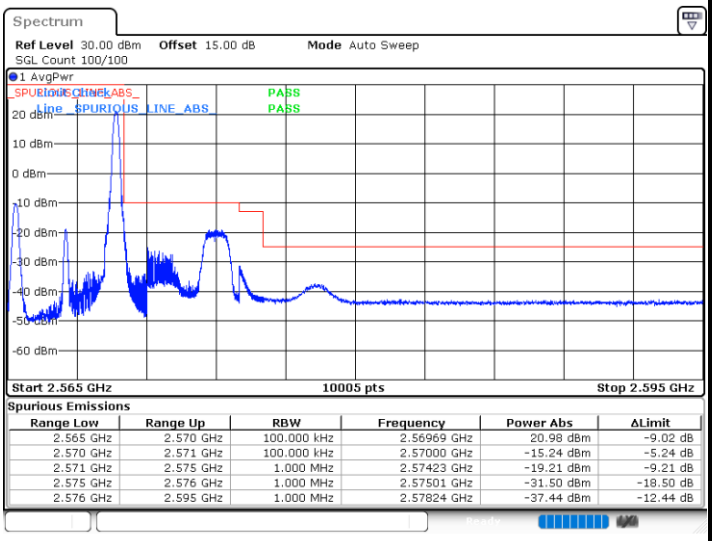


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49158 GHz	-34.94 dBm	-9.94 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-27.83 dBm	-14.83 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49884 GHz	-27.98 dBm	-17.98 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-17.82 dBm	-7.82 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	20.94 dBm	-9.06 dB

Date: 30.JUL.2025 23:20:45

Highest Band Edge / 1 RB

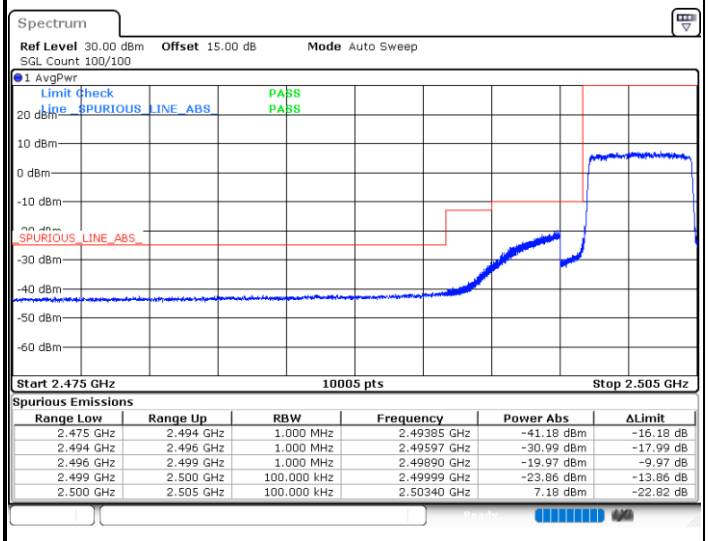


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56969 GHz	20.98 dBm	-9.02 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-15.24 dBm	-5.24 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57423 GHz	-19.21 dBm	-9.21 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-31.50 dBm	-18.50 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57824 GHz	-37.44 dBm	-12.44 dB

Date: 30.JUL.2025 23:28:34

Lowest Band Edge / Full RB

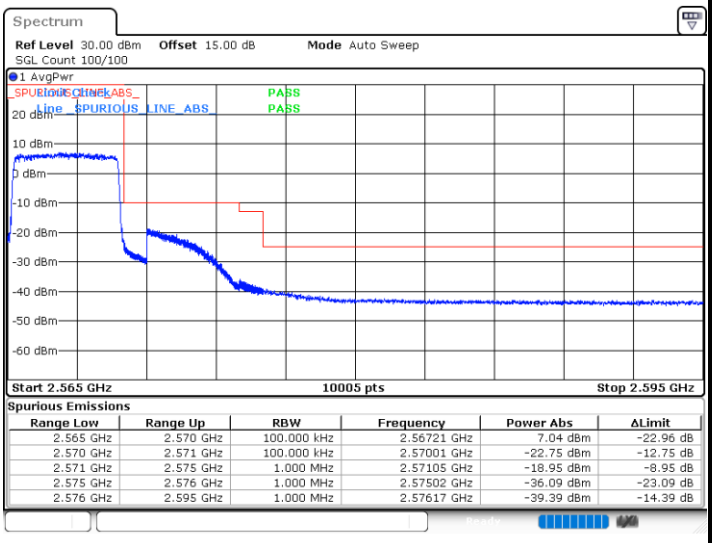


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49385 GHz	-41.18 dBm	-16.18 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-30.99 dBm	-17.99 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-19.97 dBm	-9.97 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-23.86 dBm	-13.86 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50340 GHz	7.18 dBm	-22.82 dB

Date: 30.JUL.2025 23:22:57

Highest Band Edge / Full RB



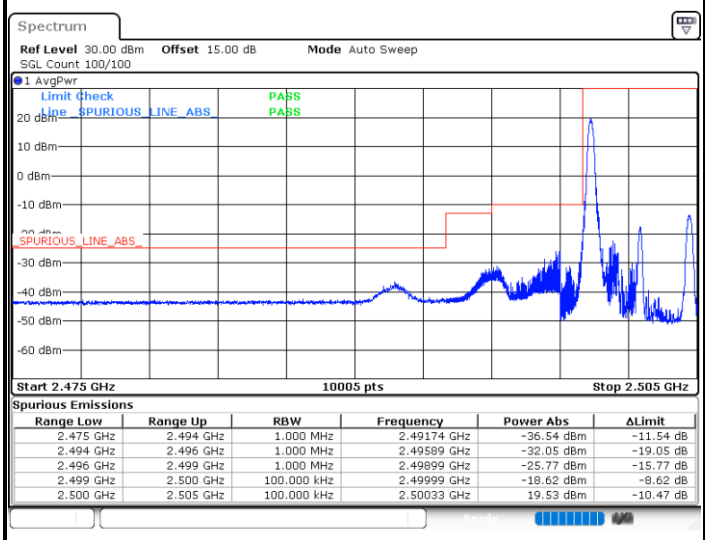
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56721 GHz	7.04 dBm	-22.96 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-22.75 dBm	-12.75 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-18.95 dBm	-8.95 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-36.09 dBm	-23.09 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57617 GHz	-39.39 dBm	-14.39 dB

Date: 30.JUL.2025 23:30:47

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

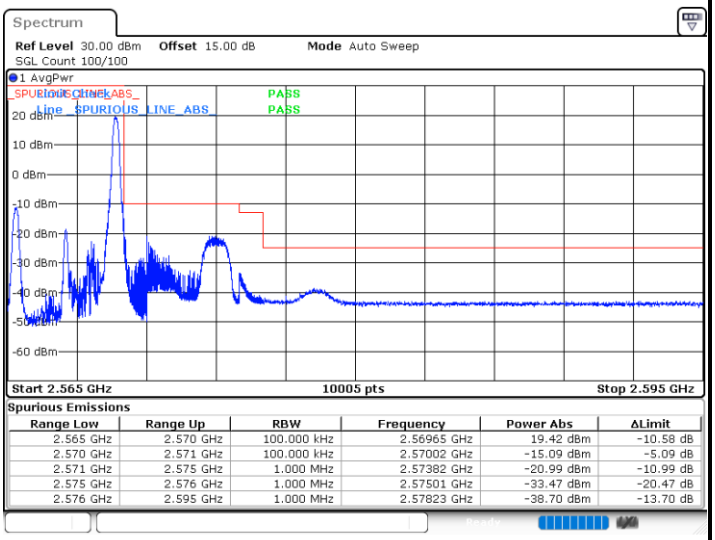


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49174 GHz	-36.54 dBm	-11.54 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49589 GHz	-32.05 dBm	-19.05 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-25.77 dBm	-15.77 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-18.62 dBm	-8.62 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50033 GHz	19.53 dBm	-10.47 dB

Date: 30.JUL.2025 23:21:29

Highest Band Edge / 1 RB

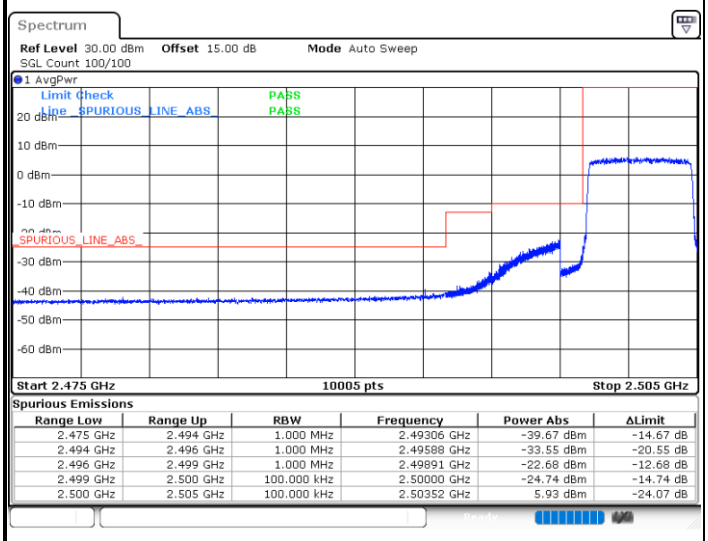


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56965 GHz	19.42 dBm	-10.58 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57002 GHz	-15.09 dBm	-5.09 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57382 GHz	-20.99 dBm	-10.99 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-33.47 dBm	-20.47 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57823 GHz	-38.70 dBm	-13.70 dB

Date: 30.JUL.2025 23:29:17

Lowest Band Edge / Full RB

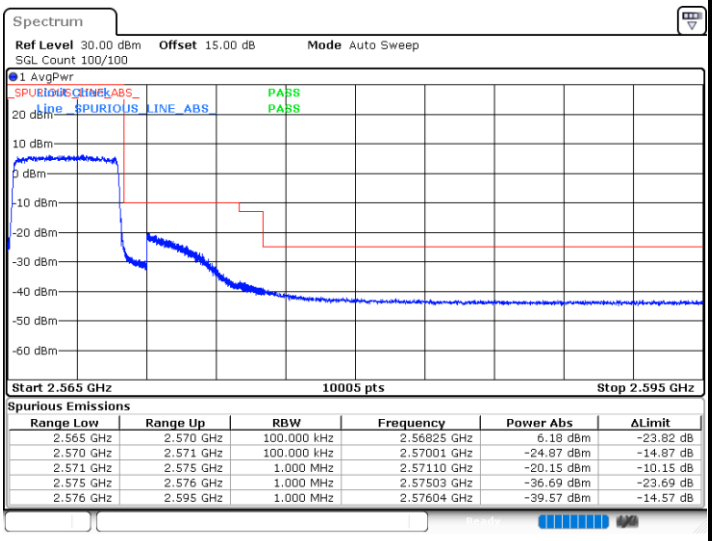


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49306 GHz	-39.67 dBm	-14.67 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49588 GHz	-33.55 dBm	-20.55 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-22.68 dBm	-12.68 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-24.74 dBm	-14.74 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50352 GHz	5.93 dBm	-24.07 dB

Date: 30.JUL.2025 23:23:40

Highest Band Edge / Full RB



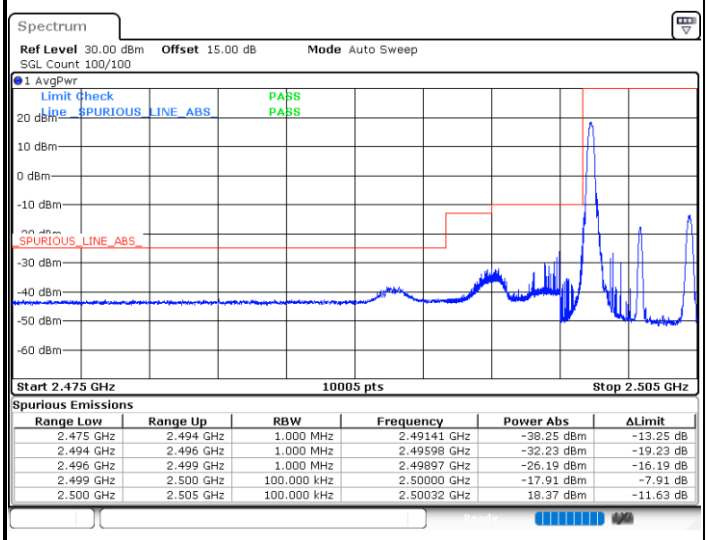
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56825 GHz	6.18 dBm	-23.82 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-24.87 dBm	-14.87 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-20.15 dBm	-10.15 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-36.69 dBm	-23.69 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57604 GHz	-39.57 dBm	-14.57 dB

Date: 30.JUL.2025 23:31:30

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

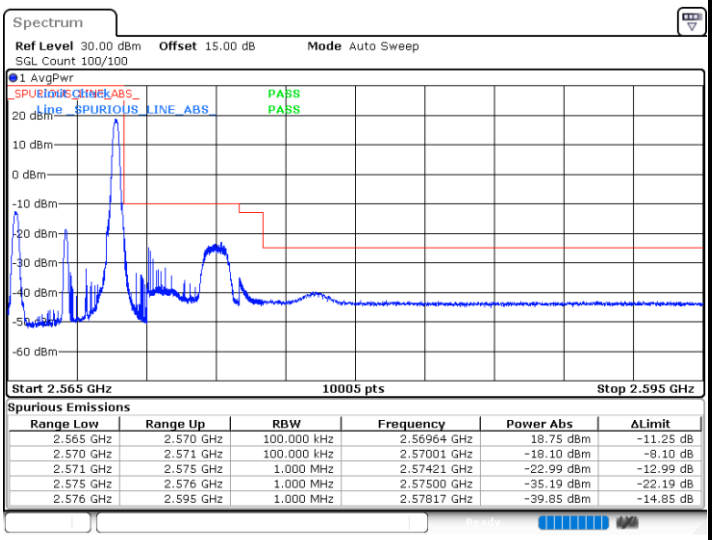


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49141 GHz	-38.25 dBm	-13.25 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-32.23 dBm	-19.23 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-26.19 dBm	-16.19 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-17.91 dBm	-7.91 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50032 GHz	18.37 dBm	-11.63 dB

Date: 30.JUL.2025 23:22:13

Highest Band Edge / 1 RB

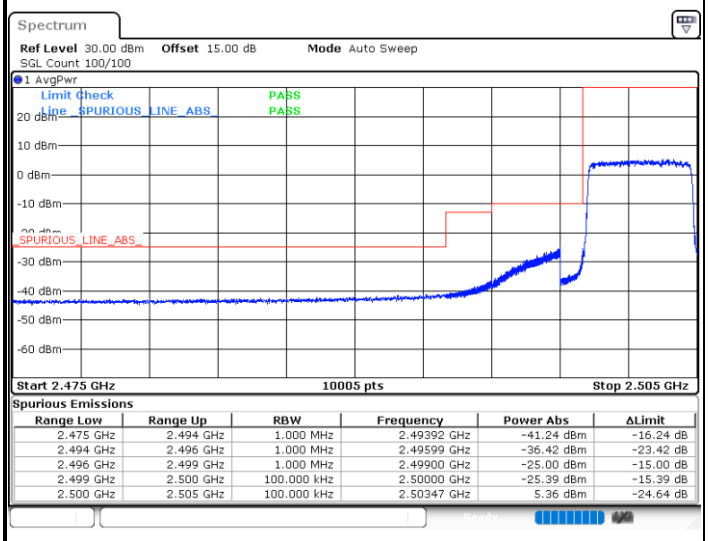


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56964 GHz	18.75 dBm	-11.25 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-18.10 dBm	-8.10 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57421 GHz	-22.99 dBm	-12.99 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57500 GHz	-35.19 dBm	-22.19 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57817 GHz	-39.85 dBm	-14.85 dB

Date: 30.JUL.2025 23:30:03

Lowest Band Edge / Full RB

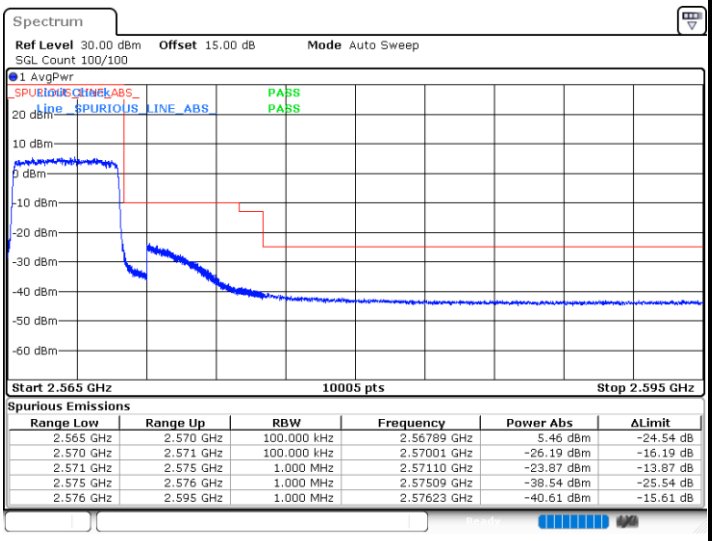


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49392 GHz	-41.24 dBm	-16.24 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-36.42 dBm	-23.42 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-25.00 dBm	-15.00 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-25.39 dBm	-15.39 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50347 GHz	5.36 dBm	-24.64 dB

Date: 30.JUL.2025 23:24:24

Highest Band Edge / Full RB



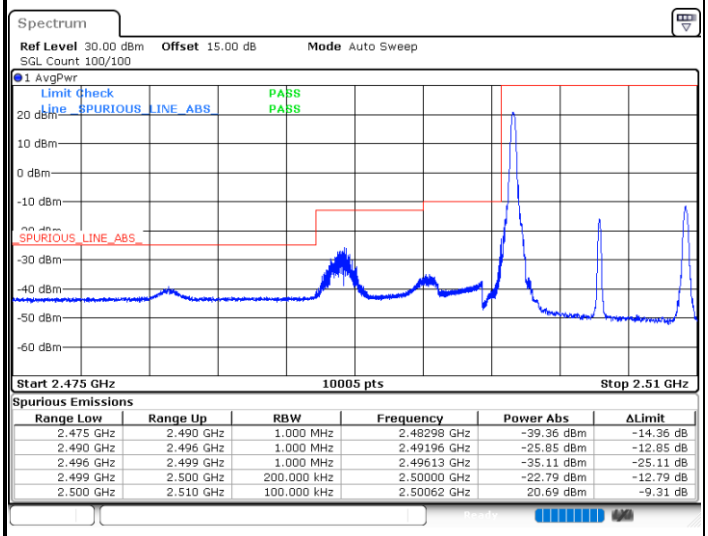
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56789 GHz	5.46 dBm	-24.54 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-26.19 dBm	-16.19 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-23.87 dBm	-13.87 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57509 GHz	-38.54 dBm	-25.54 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57623 GHz	-40.61 dBm	-15.61 dB

Date: 30.JUL.2025 23:32:13

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

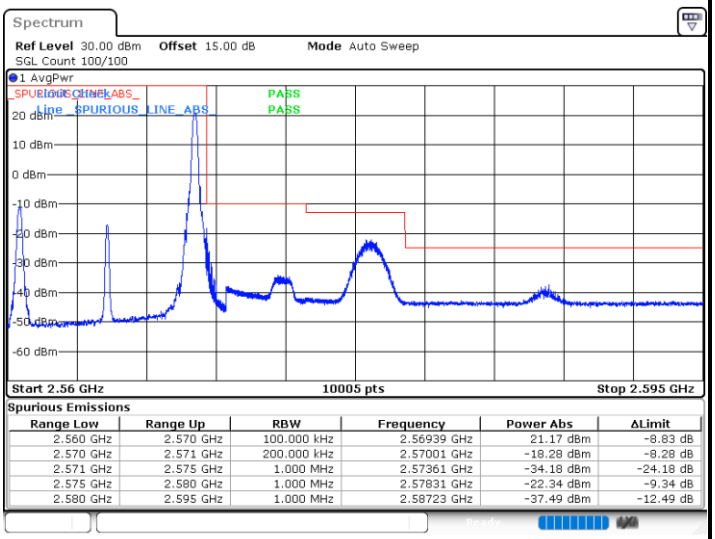


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48298 GHz	-39.36 dBm	-14.36 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49196 GHz	-25.85 dBm	-12.85 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49613 GHz	-35.11 dBm	-25.11 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-22.79 dBm	-12.79 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50062 GHz	20.69 dBm	-9.31 dB

Date: 30.JUL.2025 23:34:44

Highest Band Edge / 1 RB

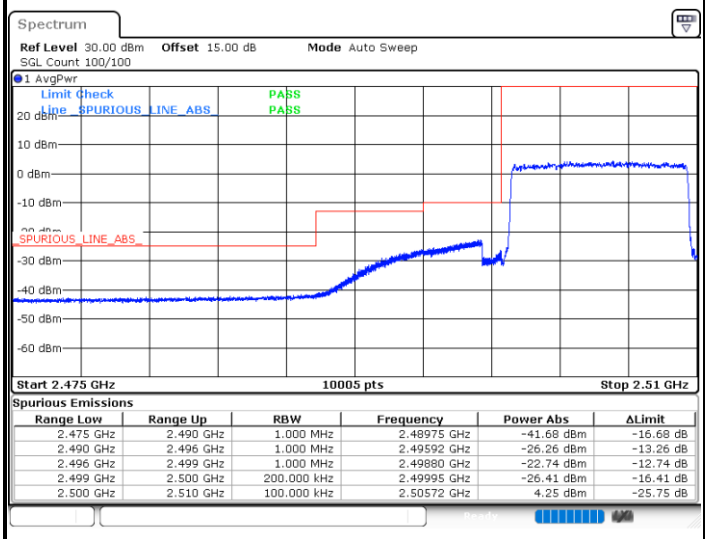


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	21.17 dBm	-8.83 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-18.28 dBm	-8.28 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57361 GHz	-34.18 dBm	-24.18 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57831 GHz	-22.34 dBm	-9.34 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58723 GHz	-37.49 dBm	-12.49 dB

Date: 30.JUL.2025 23:42:29

Lowest Band Edge / Full RB

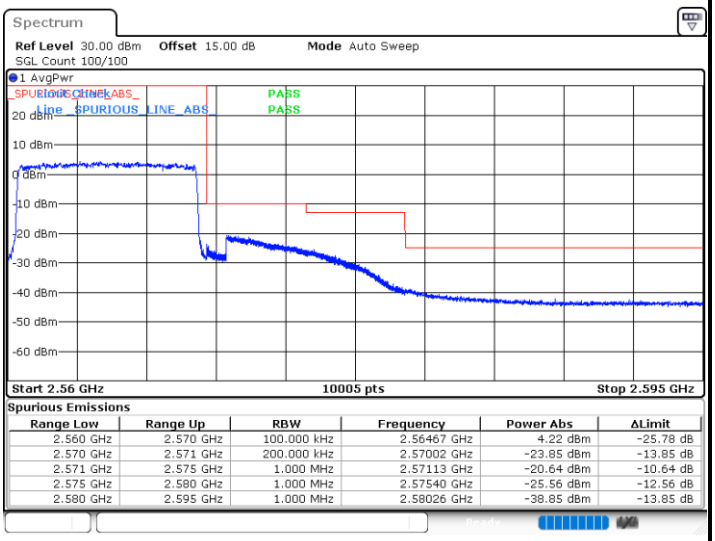


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-41.68 dBm	-16.68 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-26.26 dBm	-13.26 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49880 GHz	-22.74 dBm	-12.74 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49995 GHz	-26.41 dBm	-16.41 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50572 GHz	4.25 dBm	-25.75 dB

Date: 30.JUL.2025 23:36:53

Highest Band Edge / Full RB



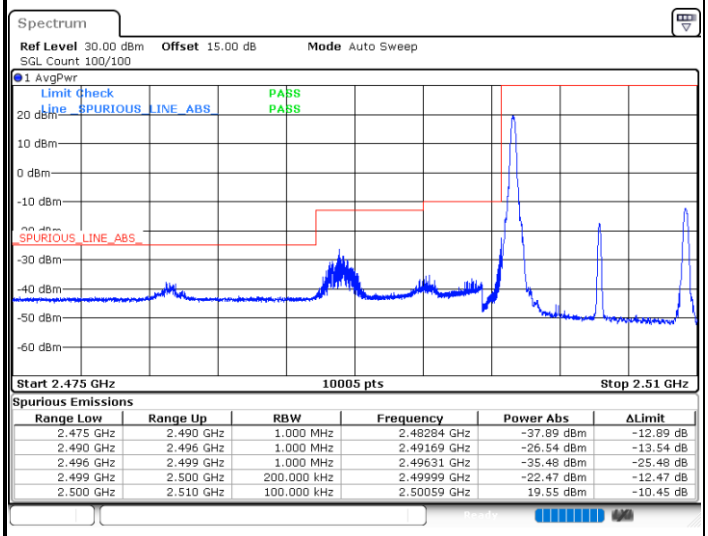
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56467 GHz	4.22 dBm	-25.78 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-23.85 dBm	-13.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-20.64 dBm	-10.64 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57540 GHz	-25.56 dBm	-12.56 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58026 GHz	-38.85 dBm	-13.85 dB

Date: 30.JUL.2025 23:44:38

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1RB

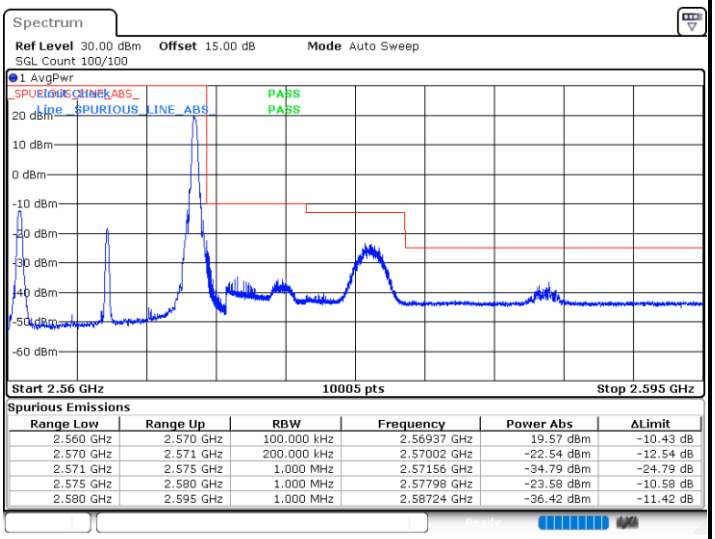


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48284 GHz	-37.89 dBm	-12.89 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49169 GHz	-26.54 dBm	-13.54 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49631 GHz	-35.48 dBm	-25.48 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-22.47 dBm	-12.47 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	19.55 dBm	-10.45 dB

Date: 30.JUL.2025 23:35:27

Highest Band Edge / 1 RB

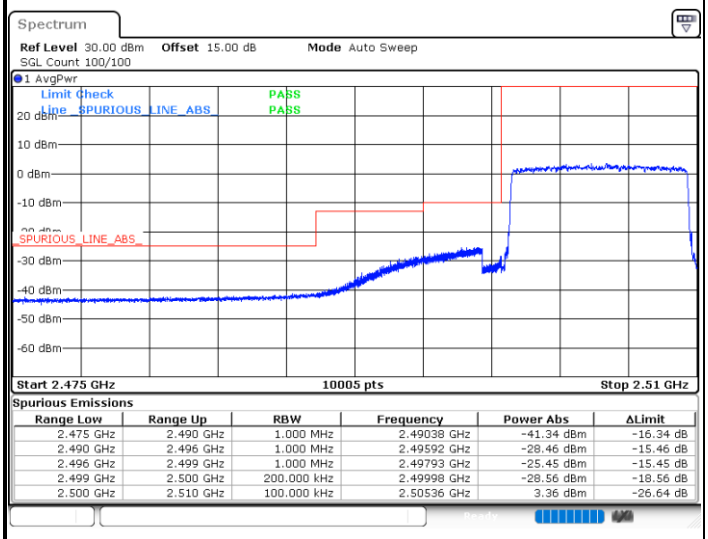


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56937 GHz	19.57 dBm	-10.43 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-22.54 dBm	-12.54 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57156 GHz	-34.79 dBm	-24.79 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57798 GHz	-23.58 dBm	-10.58 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58724 GHz	-36.42 dBm	-11.42 dB

Date: 30.JUL.2025 23:43:12

Lowest Band Edge / Full RB

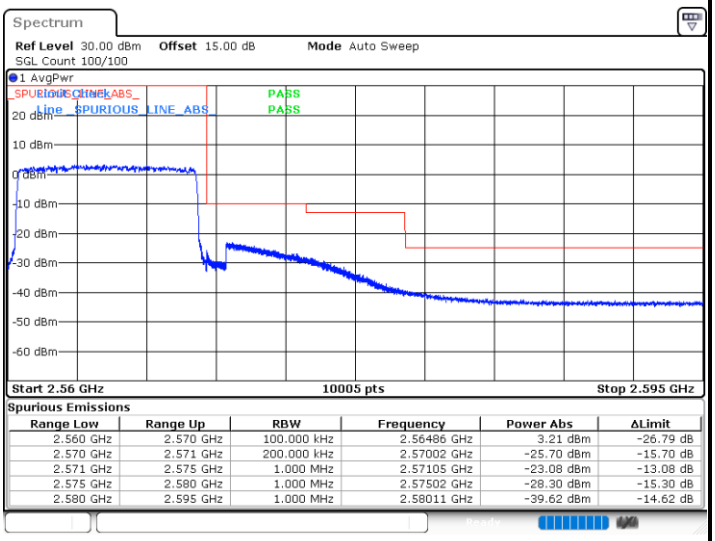


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49038 GHz	-41.34 dBm	-16.34 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-28.46 dBm	-15.46 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49793 GHz	-25.45 dBm	-15.45 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-28.56 dBm	-18.56 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50536 GHz	3.36 dBm	-26.64 dB

Date: 30.JUL.2025 23:37:35

Highest Band Edge / Full RB



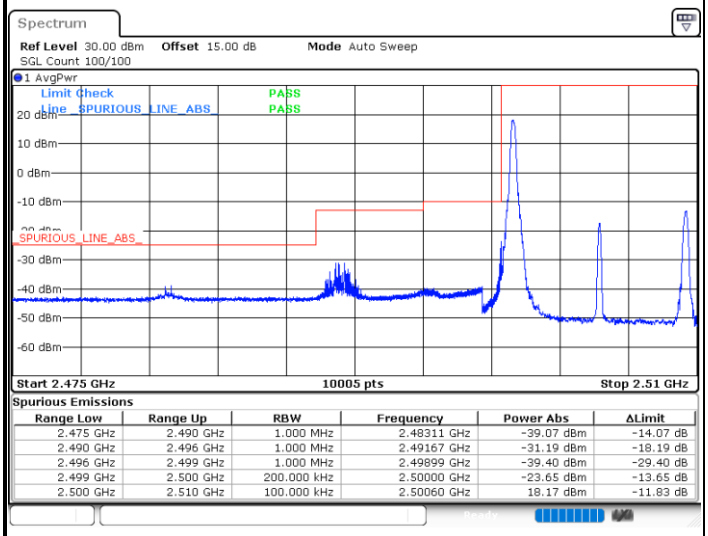
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56486 GHz	3.21 dBm	-26.79 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-25.70 dBm	-15.70 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-23.08 dBm	-13.08 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57502 GHz	-28.30 dBm	-15.30 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58011 GHz	-39.62 dBm	-14.62 dB

Date: 30.JUL.2025 23:45:21

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1RB

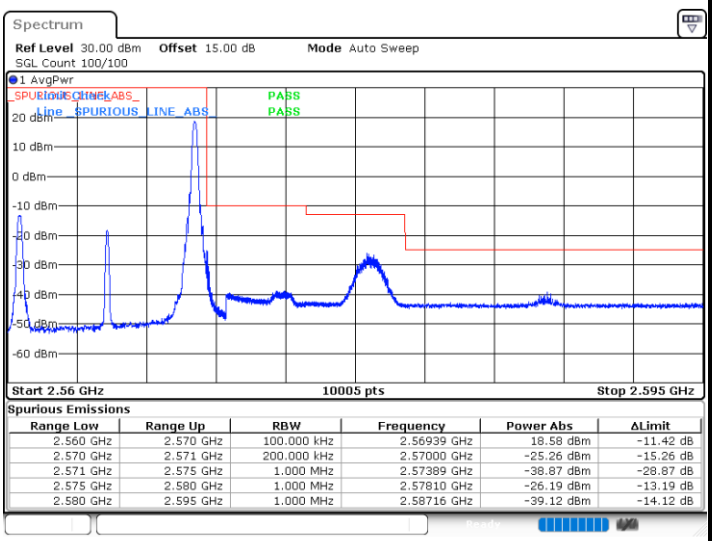


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48311 GHz	-39.07 dBm	-14.07 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49167 GHz	-31.19 dBm	-18.19 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-39.40 dBm	-29.40 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-23.65 dBm	-13.65 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	18.17 dBm	-11.83 dB

Date: 30.JUL.2025 23:36:10

Highest Band Edge / 1 RB

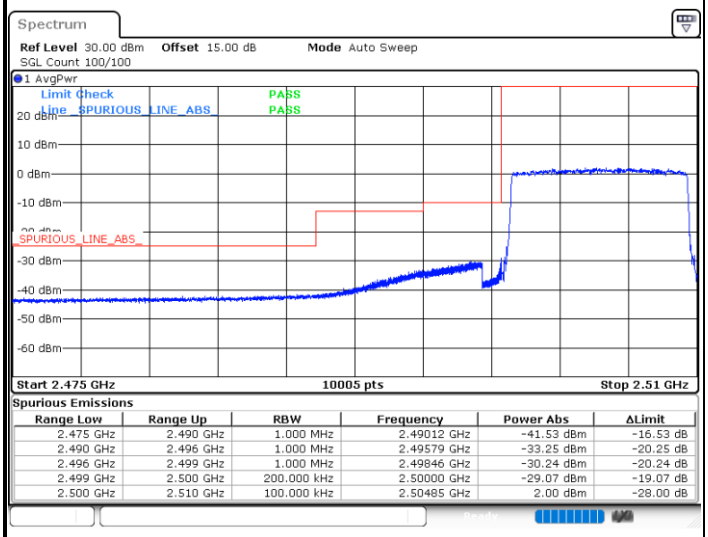


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	18.58 dBm	-11.42 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-25.26 dBm	-15.26 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57389 GHz	-38.87 dBm	-28.87 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57810 GHz	-26.19 dBm	-13.19 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58716 GHz	-39.12 dBm	-14.12 dB

Date: 30.JUL.2025 23:43:55

Lowest Band Edge / Full RB

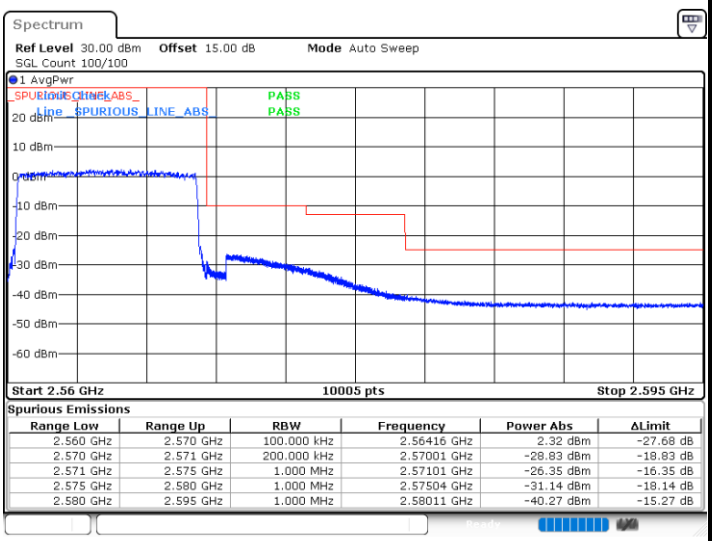


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-41.53 dBm	-16.53 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49579 GHz	-33.25 dBm	-20.25 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49846 GHz	-30.24 dBm	-20.24 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-29.07 dBm	-19.07 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50485 GHz	2.00 dBm	-28.00 dB

Date: 30.JUL.2025 23:38:18

Highest Band Edge / Full RB



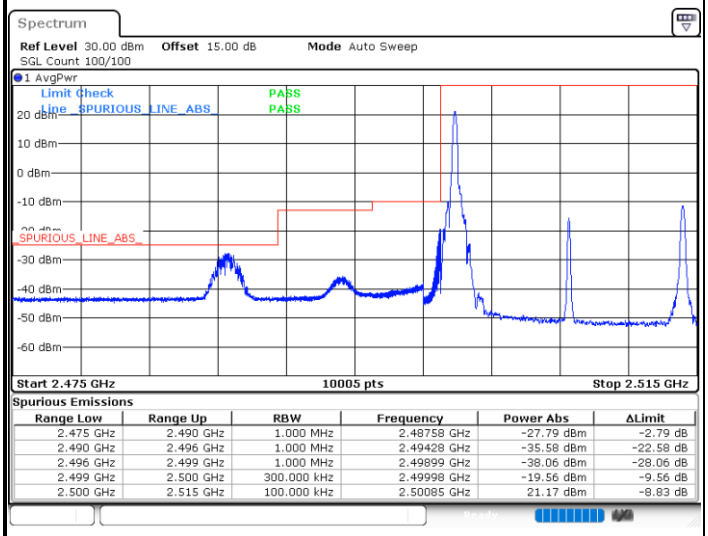
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56416 GHz	2.32 dBm	-27.68 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-28.83 dBm	-18.83 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-26.35 dBm	-16.35 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57504 GHz	-31.14 dBm	-18.14 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58011 GHz	-40.27 dBm	-15.27 dB

Date: 30.JUL.2025 23:46:05

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

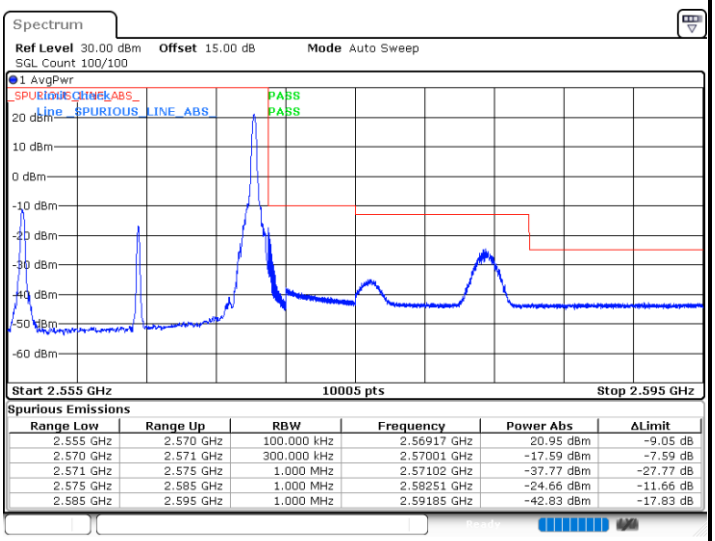


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48758 GHz	-27.79 dBm	-2.79 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49428 GHz	-35.58 dBm	-22.58 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-38.06 dBm	-28.06 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-19.56 dBm	-9.56 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50085 GHz	21.17 dBm	-8.83 dB

Date: 30.JUL.2025 23:48:36

Highest Band Edge / 1 RB

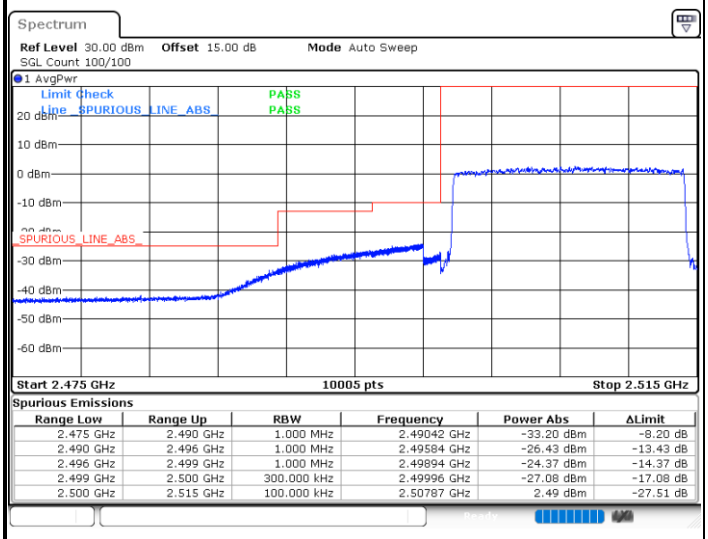


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	20.95 dBm	-9.05 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-17.59 dBm	-7.59 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-37.77 dBm	-27.77 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58251 GHz	-24.66 dBm	-11.66 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59185 GHz	-42.83 dBm	-17.83 dB

Date: 30.JUL.2025 23:56:24

Lowest Band Edge / Full RB

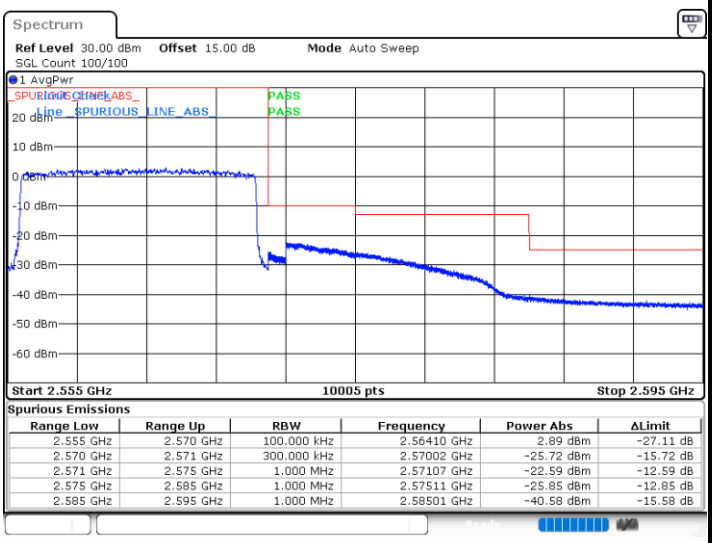


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-33.20 dBm	-8.20 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49584 GHz	-26.43 dBm	-13.43 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-24.37 dBm	-14.37 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49996 GHz	-27.08 dBm	-17.08 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50787 GHz	2.49 dBm	-27.51 dB

Date: 30.JUL.2025 23:50:46

Highest Band Edge / Full RB



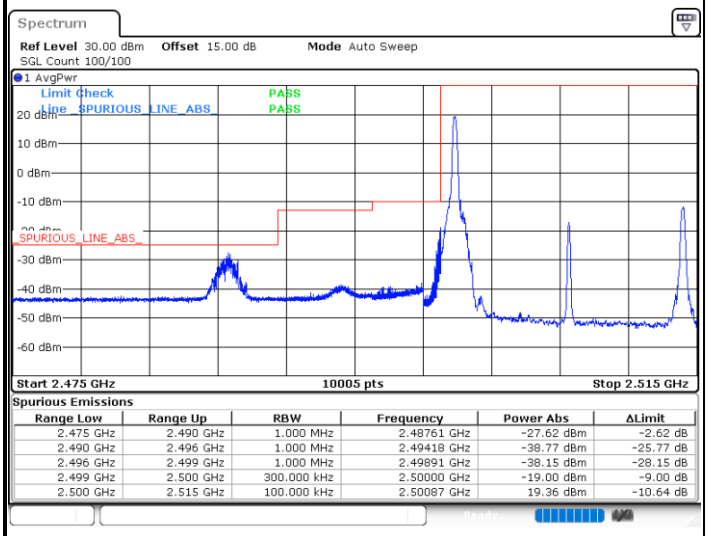
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56410 GHz	2.89 dBm	-27.11 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-25.72 dBm	-15.72 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-22.59 dBm	-12.59 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57511 GHz	-25.85 dBm	-12.85 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58501 GHz	-40.58 dBm	-15.58 dB

Date: 30.JUL.2025 23:58:34

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB

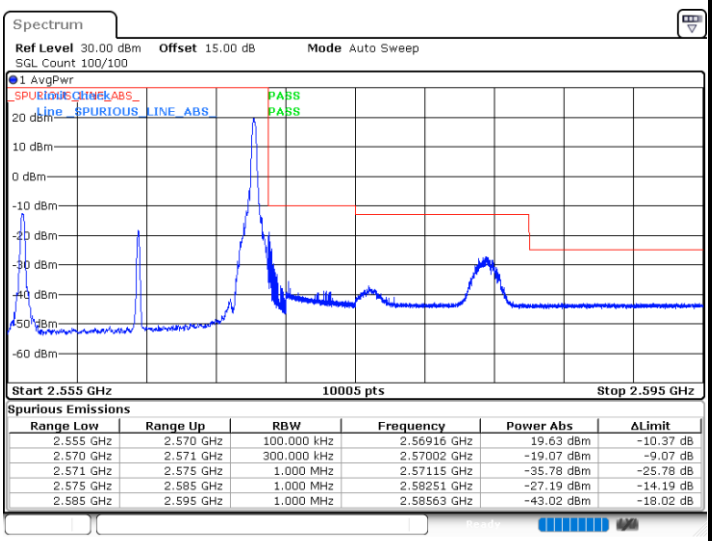


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48761 GHz	-27.62 dBm	-2.62 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49418 GHz	-38.77 dBm	-25.77 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-38.15 dBm	-28.15 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-19.00 dBm	-9.00 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	19.36 dBm	-10.64 dB

Date: 30.JUL.2025 23:49:19

Highest Band Edge / 1 RB

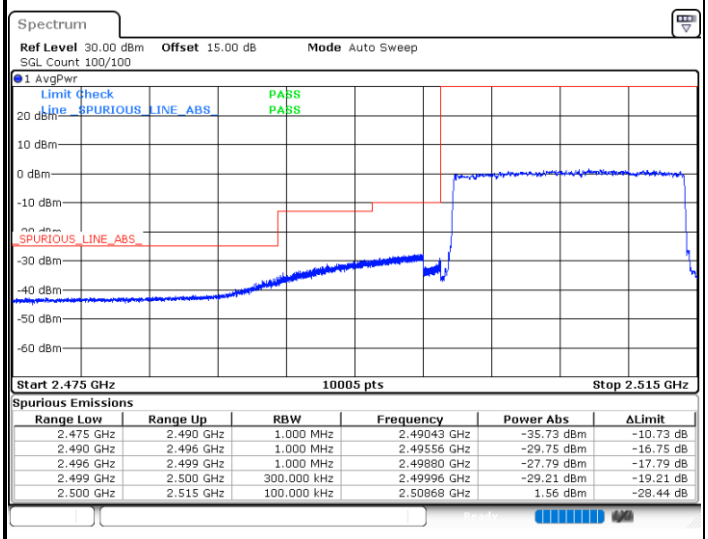


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	19.63 dBm	-10.37 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-19.07 dBm	-9.07 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57115 GHz	-35.78 dBm	-25.78 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58251 GHz	-27.19 dBm	-14.19 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58563 GHz	-43.02 dBm	-18.02 dB

Date: 30.JUL.2025 23:57:08

Lowest Band Edge / Full RB

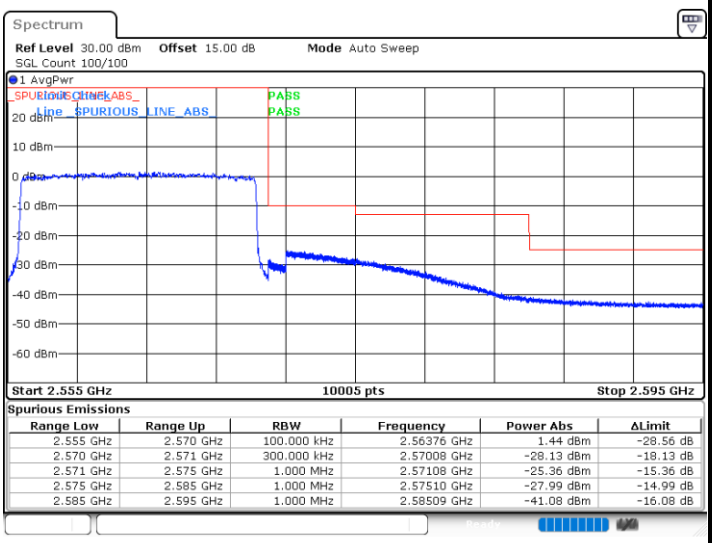


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-35.73 dBm	-10.73 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49556 GHz	-29.75 dBm	-16.75 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49880 GHz	-27.79 dBm	-17.79 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49996 GHz	-29.21 dBm	-19.21 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50868 GHz	1.56 dBm	-28.44 dB

Date: 30.JUL.2025 23:51:30

Highest Band Edge / Full RB



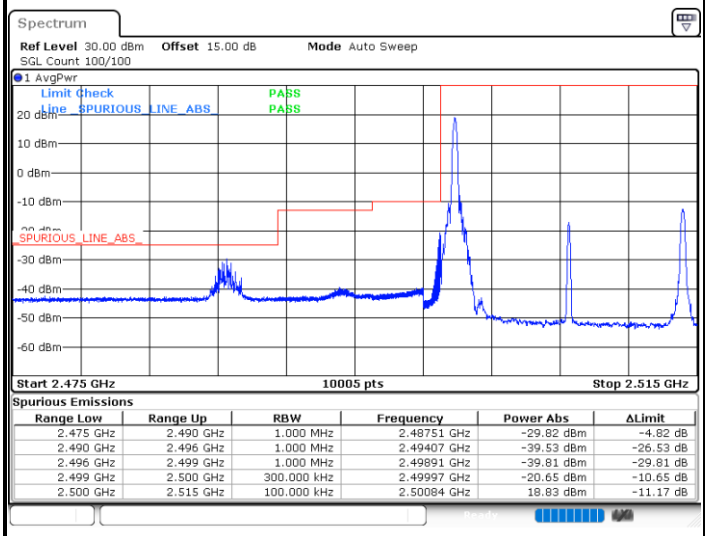
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56376 GHz	1.44 dBm	-28.56 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57008 GHz	-28.13 dBm	-18.13 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-25.36 dBm	-15.36 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57510 GHz	-27.99 dBm	-14.99 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58509 GHz	-41.08 dBm	-16.08 dB

Date: 30.JUL.2025 23:59:17

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB

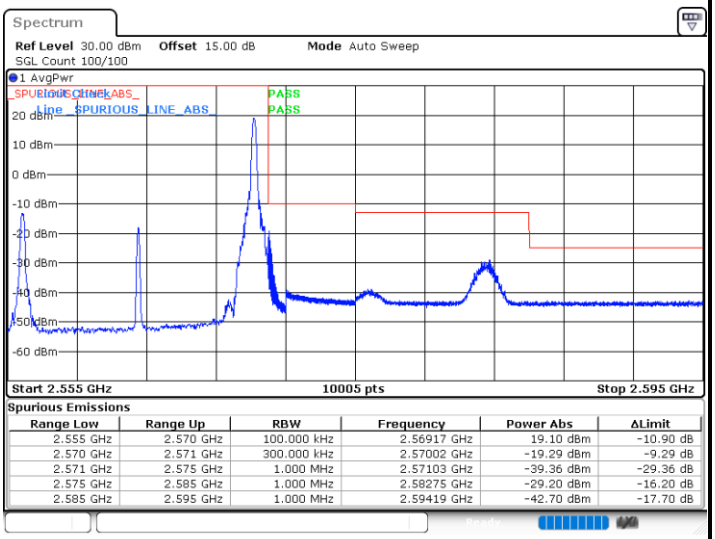


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48751 GHz	-29.82 dBm	-4.82 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49407 GHz	-39.53 dBm	-26.53 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-39.81 dBm	-29.81 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49997 GHz	-20.65 dBm	-10.65 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	18.83 dBm	-11.17 dB

Date: 30.JUL.2025 23:50:03

Highest Band Edge / 1 RB

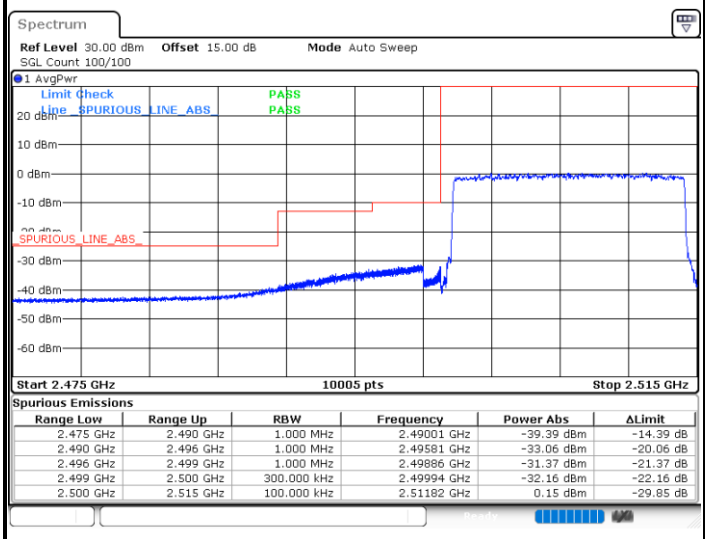


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	19.10 dBm	-10.90 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-19.29 dBm	-9.29 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-39.36 dBm	-29.36 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58275 GHz	-29.20 dBm	-16.20 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59419 GHz	-42.70 dBm	-17.70 dB

Date: 30.JUL.2025 23:57:50

Lowest Band Edge / Full RB

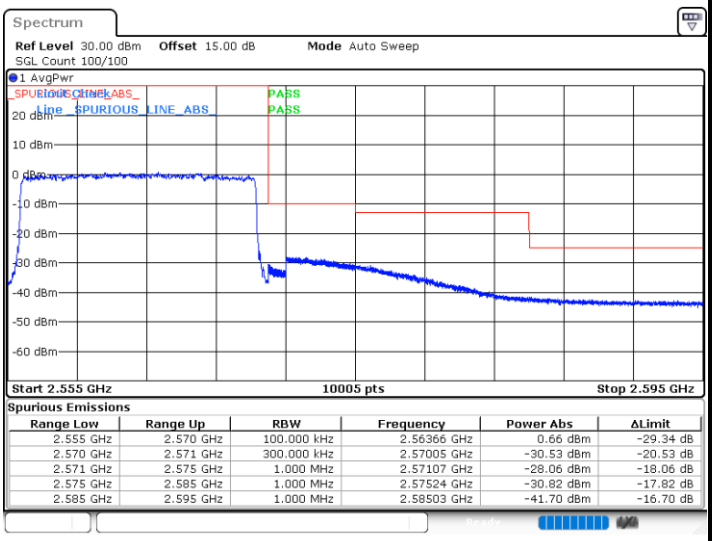


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49001 GHz	-39.39 dBm	-14.39 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49581 GHz	-33.06 dBm	-20.06 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49886 GHz	-31.37 dBm	-21.37 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49994 GHz	-32.16 dBm	-22.16 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51182 GHz	0.15 dBm	-29.85 dB

Date: 30.JUL.2025 23:52:13

Highest Band Edge / Full RB



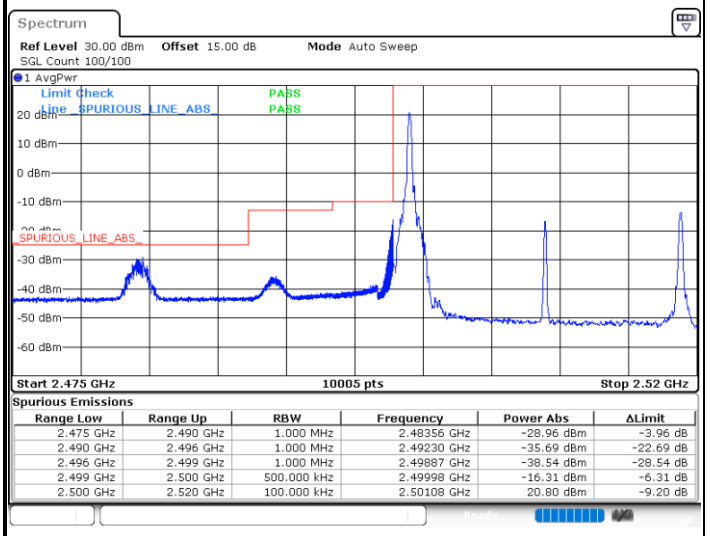
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56366 GHz	0.66 dBm	-29.34 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-30.53 dBm	-20.53 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-28.06 dBm	-18.06 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57524 GHz	-30.82 dBm	-17.82 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58503 GHz	-41.70 dBm	-16.70 dB

Date: 31.JUL.2025 00:00:01

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

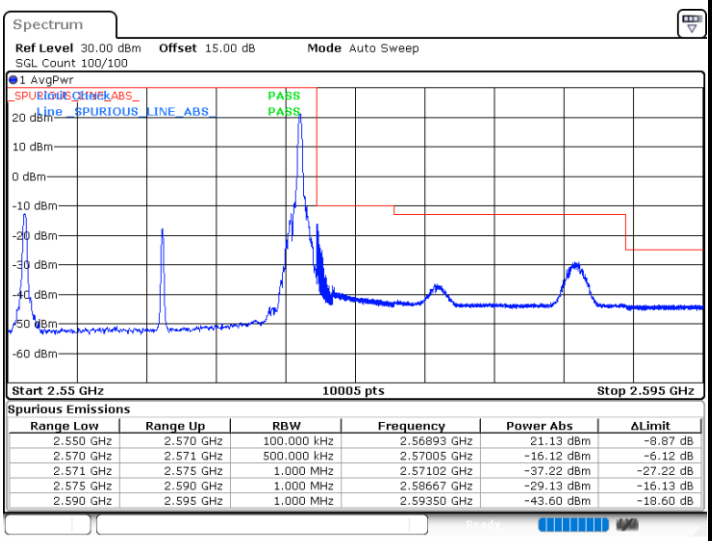


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48356 GHz	-28.96 dBm	-3.96 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49230 GHz	-35.69 dBm	-22.69 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49887 GHz	-38.54 dBm	-28.54 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-16.31 dBm	-6.31 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50108 GHz	20.80 dBm	-9.20 dB

Date: 31.JUL.2025 00:02:32

Highest Band Edge / 1 RB

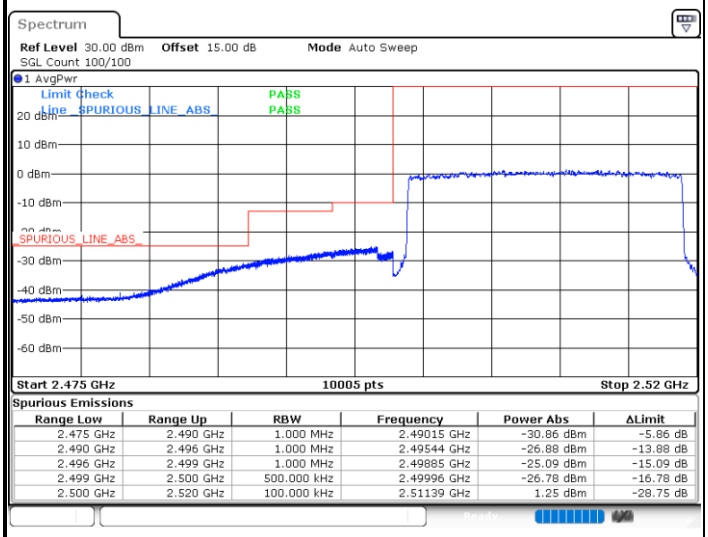


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	21.13 dBm	-8.87 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57005 GHz	-16.12 dBm	-6.12 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-37.22 dBm	-27.22 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58667 GHz	-29.13 dBm	-16.13 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59350 GHz	-43.60 dBm	-18.60 dB

Date: 31.JUL.2025 00:11:41

Lowest Band Edge / Full RB

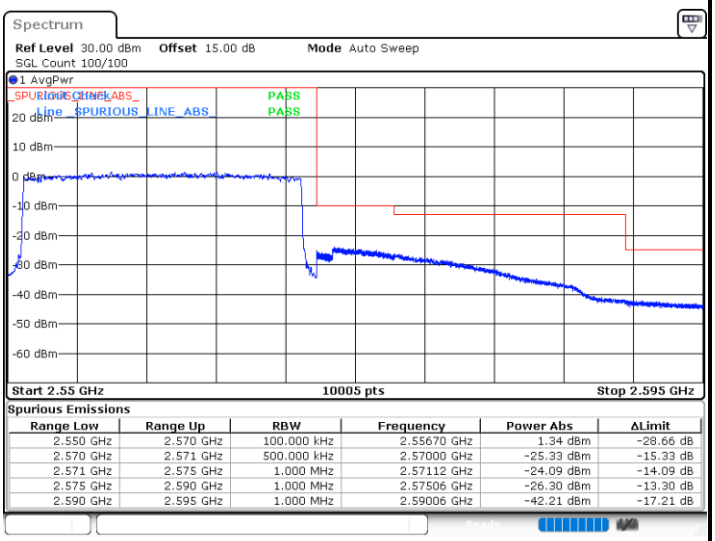


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49015 GHz	-30.86 dBm	-5.86 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49544 GHz	-26.88 dBm	-13.88 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49885 GHz	-25.09 dBm	-15.09 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49996 GHz	-26.78 dBm	-16.78 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51139 GHz	1.25 dBm	-28.75 dB

Date: 31.JUL.2025 00:04:43

Highest Band Edge / Full RB



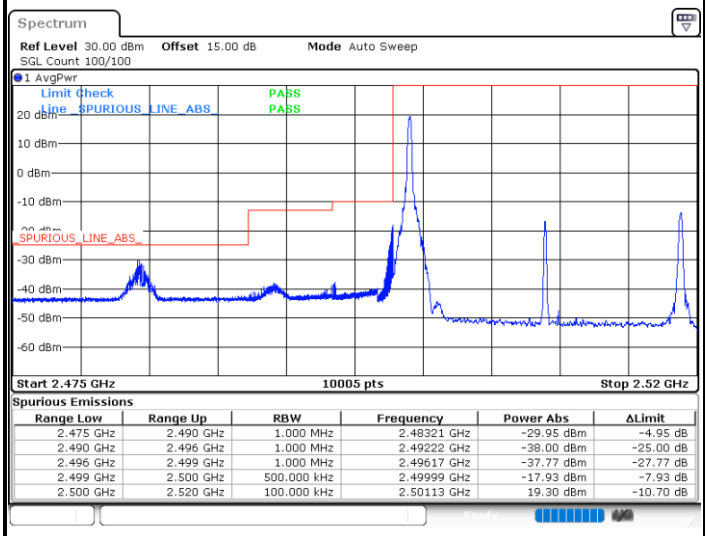
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55670 GHz	1.34 dBm	-28.66 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-25.33 dBm	-15.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-24.09 dBm	-14.09 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57506 GHz	-26.30 dBm	-13.30 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59006 GHz	-42.21 dBm	-17.21 dB

Date: 31.JUL.2025 00:13:51

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB

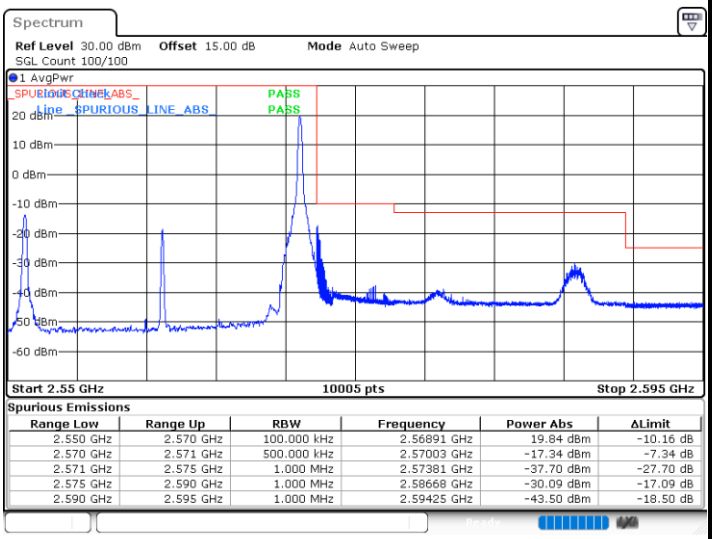


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48321 GHz	-29.95 dBm	-4.95 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49222 GHz	-38.00 dBm	-25.00 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49617 GHz	-37.77 dBm	-27.77 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-17.93 dBm	-7.93 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50113 GHz	19.30 dBm	-10.70 dB

Date: 31.JUL.2025 00:03:15

Highest Band Edge / 1 RB

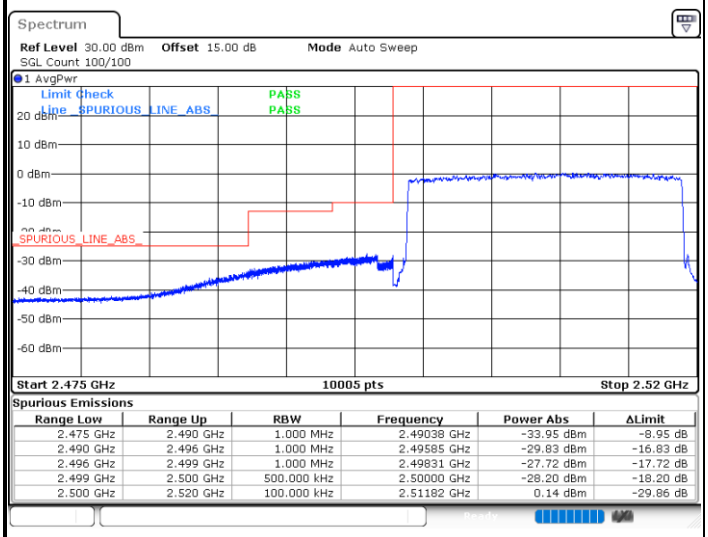


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	19.84 dBm	-10.16 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-17.34 dBm	-7.34 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57381 GHz	-37.70 dBm	-27.70 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58668 GHz	-30.09 dBm	-17.09 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59425 GHz	-43.50 dBm	-18.50 dB

Date: 31.JUL.2025 00:12:25

Lowest Band Edge / Full RB

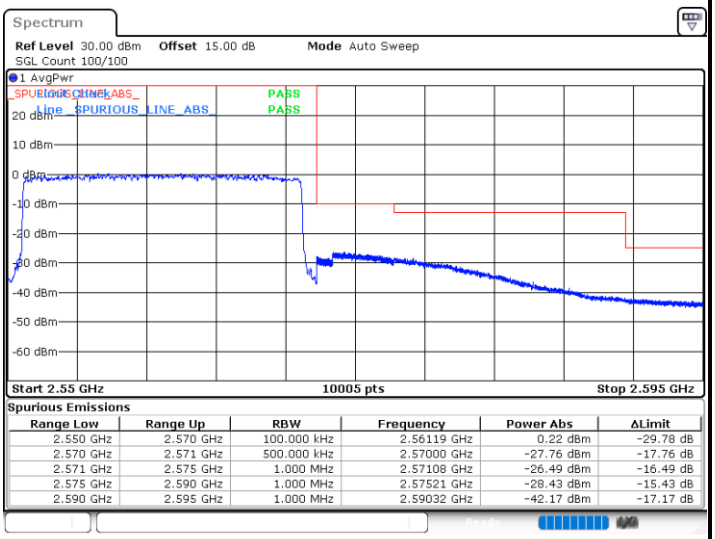


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49038 GHz	-33.95 dBm	-8.95 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49585 GHz	-29.83 dBm	-16.83 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49831 GHz	-27.72 dBm	-17.72 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000 GHz	-28.20 dBm	-18.20 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51182 GHz	0.14 dBm	-29.86 dB

Date: 31.JUL.2025 00:05:27

Highest Band Edge / Full RB



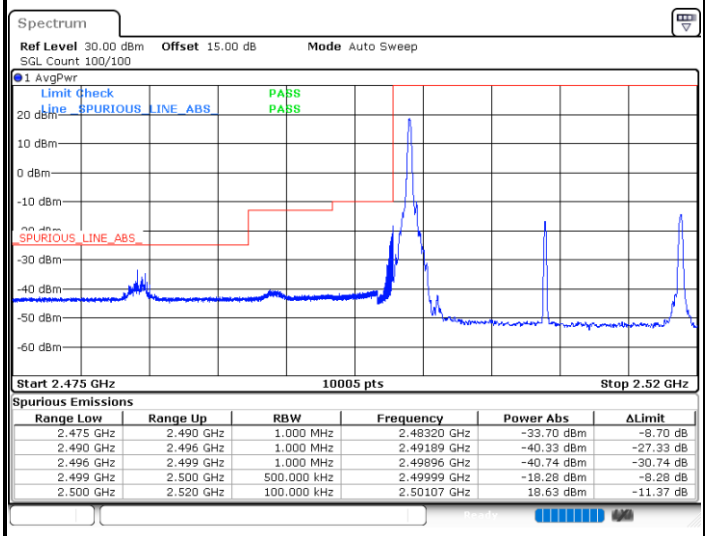
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56119 GHz	0.22 dBm	-29.78 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-27.76 dBm	-17.76 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-26.49 dBm	-16.49 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57521 GHz	-28.43 dBm	-15.43 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59032 GHz	-42.17 dBm	-17.17 dB

Date: 31.JUL.2025 00:14:34

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB

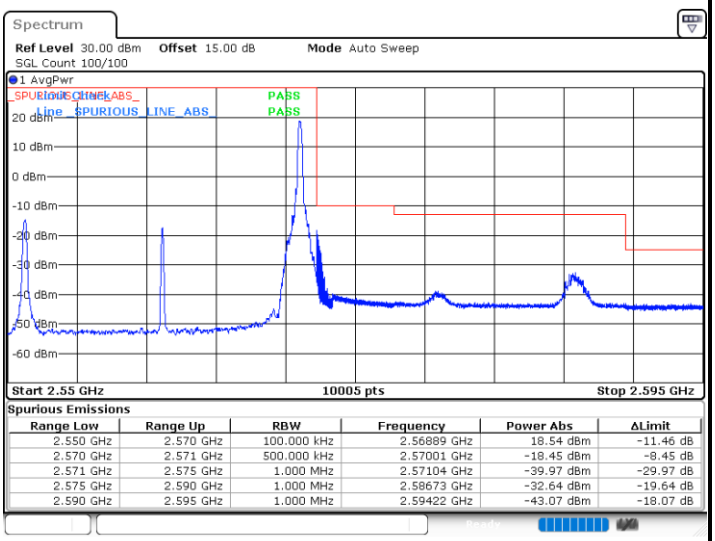


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48320 GHz	-33.70 dBm	-8.70 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49189 GHz	-40.33 dBm	-27.33 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-40.74 dBm	-30.74 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-18.28 dBm	-8.28 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50107 GHz	18.63 dBm	-11.37 dB

Date: 31.JUL.2025 00:03:59

Highest Band Edge / 1 RB

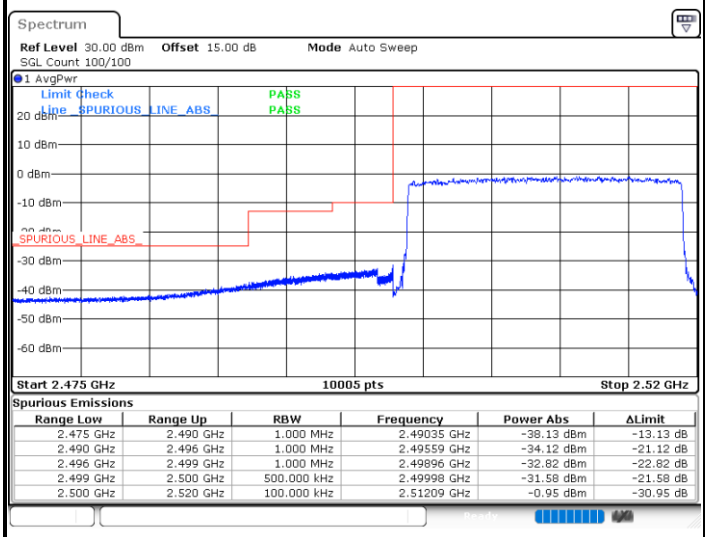


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56889 GHz	18.54 dBm	-11.46 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-18.45 dBm	-8.45 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-39.97 dBm	-29.97 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58673 GHz	-32.64 dBm	-19.64 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59422 GHz	-43.07 dBm	-18.07 dB

Date: 31.JUL.2025 00:13:08

Lowest Band Edge / Full RB

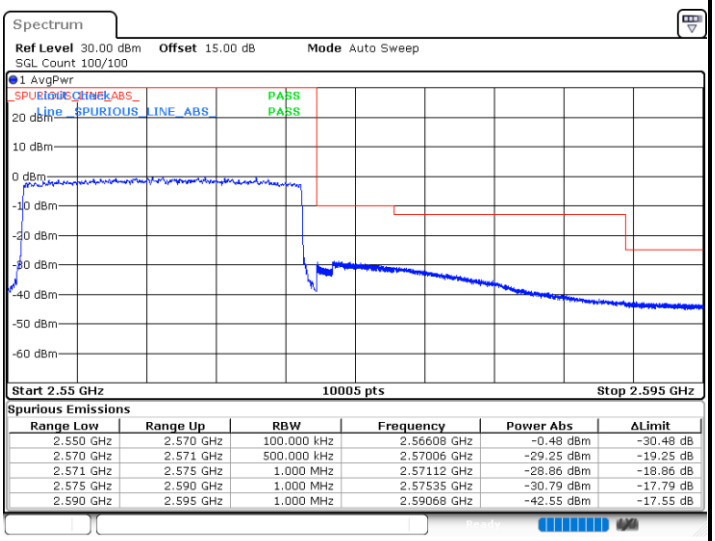


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49035 GHz	-38.13 dBm	-13.13 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49559 GHz	-34.12 dBm	-21.12 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-32.82 dBm	-22.82 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-31.58 dBm	-21.58 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51209 GHz	-0.95 dBm	-30.95 dB

Date: 31.JUL.2025 00:06:10

Highest Band Edge / Full RB



Spurious Emissions

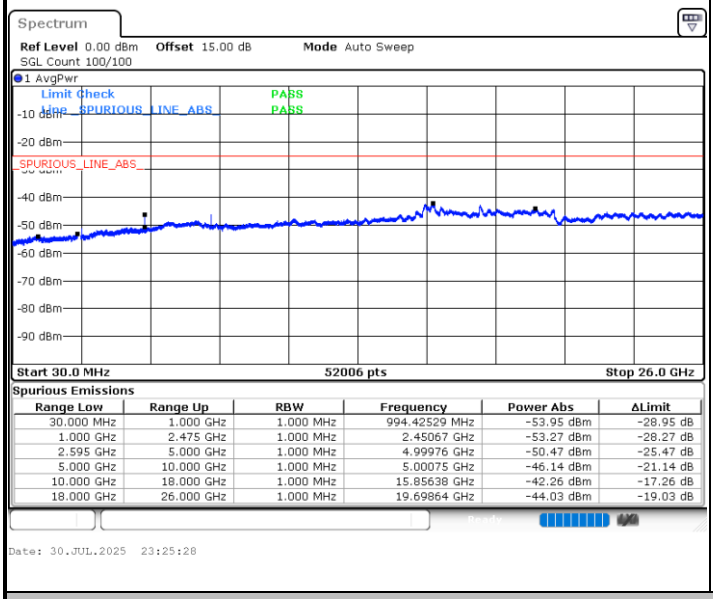
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56608 GHz	-0.48 dBm	-30.48 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57006 GHz	-29.25 dBm	-19.25 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-28.86 dBm	-18.86 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57535 GHz	-30.79 dBm	-17.79 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59068 GHz	-42.55 dBm	-17.55 dB

Date: 31.JUL.2025 00:15:17

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

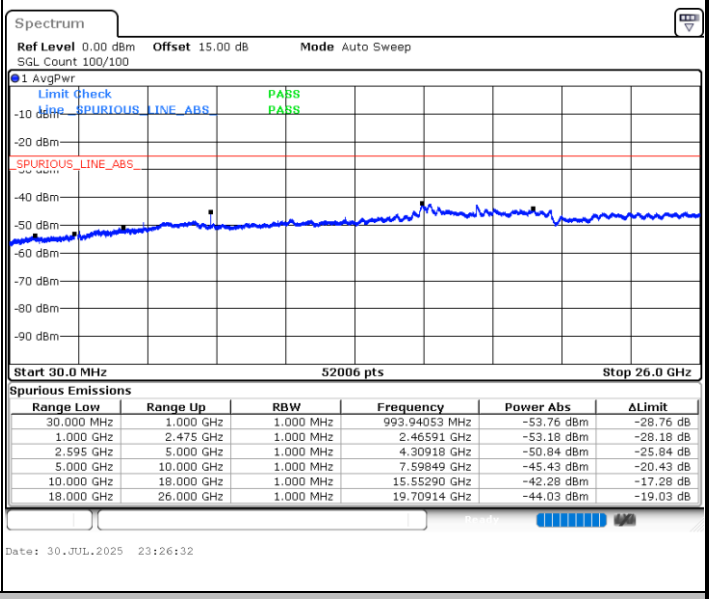


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-53.95 dBm	-28.95 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45067 GHz	-53.27 dBm	-28.27 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.99976 GHz	-50.47 dBm	-25.47 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00075 GHz	-46.14 dBm	-21.14 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.85638 GHz	-42.26 dBm	-17.26 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.69864 GHz	-44.03 dBm	-19.03 dB

Date: 30.JUL.2025 23:25:28

Middle Channel / QPSK

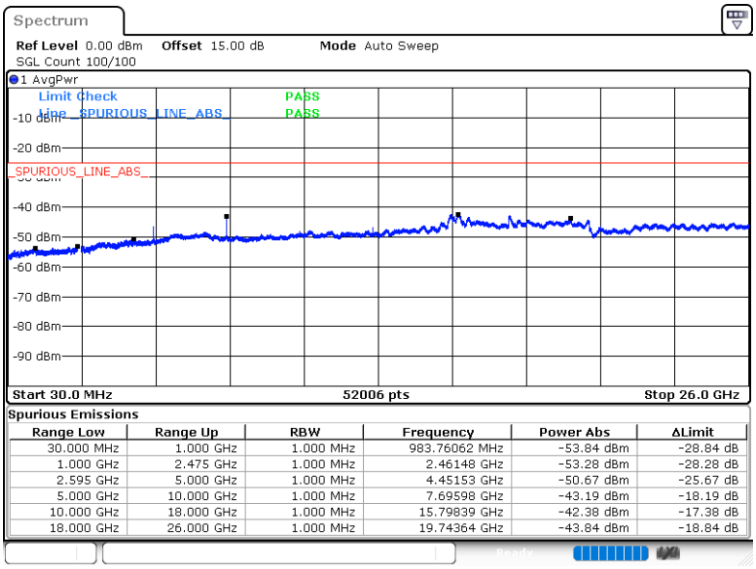


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-53.76 dBm	-28.76 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46591 GHz	-53.18 dBm	-28.18 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.30918 GHz	-50.84 dBm	-25.84 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.59849 GHz	-45.43 dBm	-20.43 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.55290 GHz	-42.28 dBm	-17.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70914 GHz	-44.03 dBm	-19.03 dB

Date: 30.JUL.2025 23:26:32

Highest Channel / QPSK



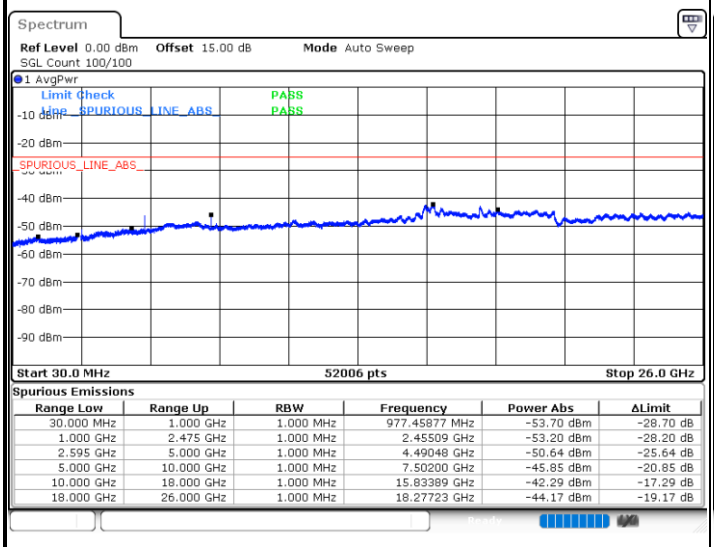
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-53.84 dBm	-28.84 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46148 GHz	-53.28 dBm	-28.28 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.45153 GHz	-50.67 dBm	-25.67 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.69598 GHz	-43.19 dBm	-18.19 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.79839 GHz	-42.38 dBm	-17.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.74364 GHz	-43.84 dBm	-18.84 dB

Date: 30.JUL.2025 23:33:17

LTE Band 7 / 10MHz

Lowest Channel / QPSK

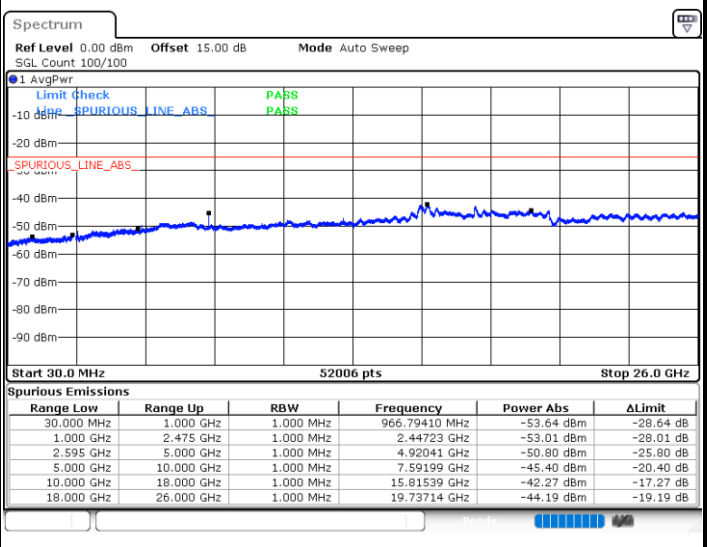


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-53.70 dBm	-28.70 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45509 GHz	-53.20 dBm	-28.20 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.49048 GHz	-50.64 dBm	-25.64 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.50200 GHz	-45.85 dBm	-20.85 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.83389 GHz	-42.29 dBm	-17.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27723 GHz	-44.17 dBm	-19.17 dB

Date: 30.JUL.2025 23:39:23

Middle Channel / QPSK

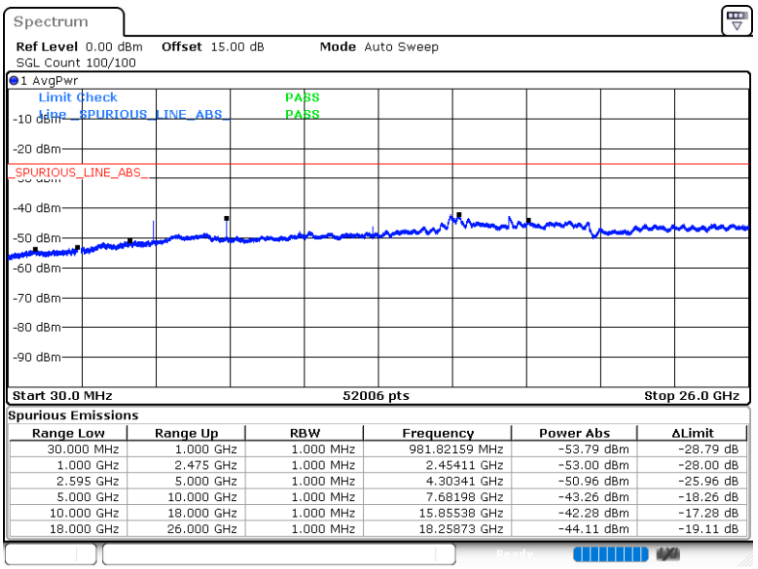


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-53.64 dBm	-28.64 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.44723 GHz	-53.01 dBm	-28.01 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.92041 GHz	-50.80 dBm	-25.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.59199 GHz	-45.40 dBm	-20.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81539 GHz	-42.27 dBm	-17.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.73714 GHz	-44.19 dBm	-19.19 dB

Date: 30.JUL.2025 23:40:27

Highest Channel / QPSK



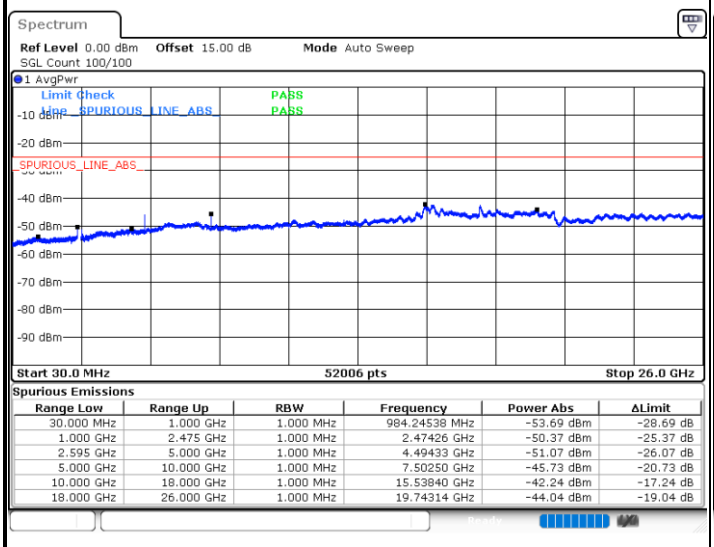
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-53.79 dBm	-28.79 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45411 GHz	-53.00 dBm	-28.00 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.30341 GHz	-50.96 dBm	-25.96 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.68198 GHz	-43.26 dBm	-18.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.85538 GHz	-42.28 dBm	-17.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.25873 GHz	-44.11 dBm	-19.11 dB

Date: 30.JUL.2025 23:47:09

LTE Band 7 / 15MHz

Lowest Channel / QPSK

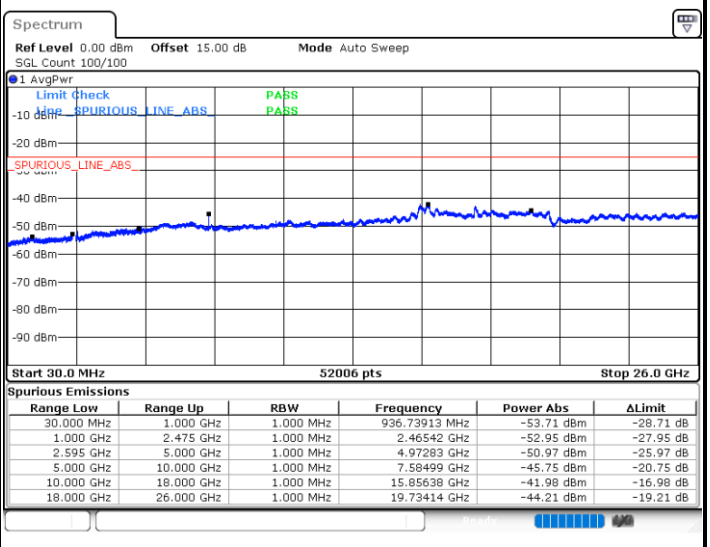


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-53.69 dBm	-28.69 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47426 GHz	-50.37 dBm	-25.37 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.49433 GHz	-51.07 dBm	-26.07 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.50250 GHz	-45.73 dBm	-20.73 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.53840 GHz	-42.24 dBm	-17.24 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.74314 GHz	-44.04 dBm	-19.04 dB

Date: 30.JUL.2025 23:53:18

Middle Channel / QPSK

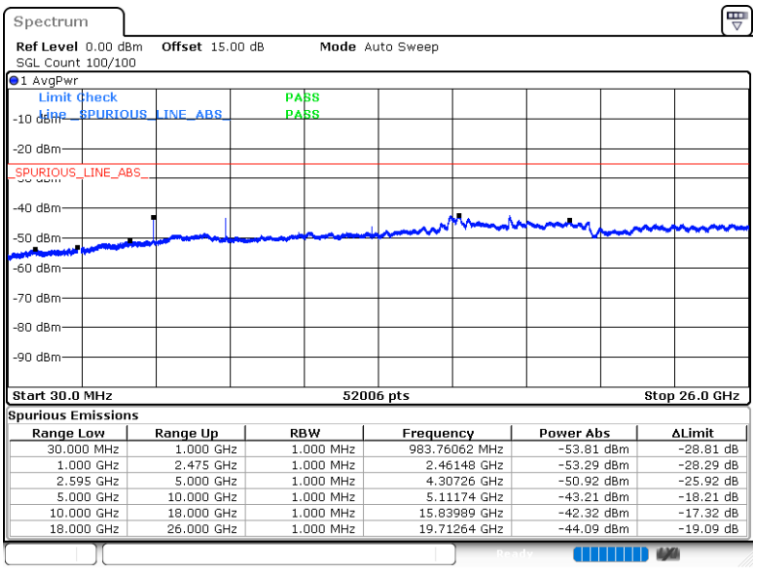


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-53.71 dBm	-28.71 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46542 GHz	-52.95 dBm	-27.95 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.97283 GHz	-50.97 dBm	-25.97 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.58499 GHz	-45.75 dBm	-20.75 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.85638 GHz	-41.98 dBm	-16.98 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.73414 GHz	-44.21 dBm	-19.21 dB

Date: 30.JUL.2025 23:54:22

Highest Channel / QPSK



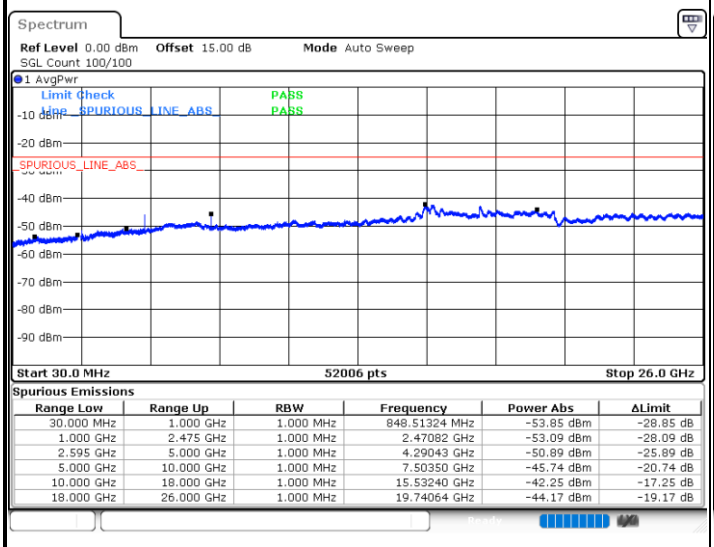
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-53.81 dBm	-28.81 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46148 GHz	-53.29 dBm	-28.29 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.30726 GHz	-50.92 dBm	-25.92 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11174 GHz	-43.21 dBm	-18.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.83989 GHz	-42.32 dBm	-17.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.71264 GHz	-44.09 dBm	-19.09 dB

Date: 31.JUL.2025 00:01:05

LTE Band 7 / 20MHz

Lowest Channel / QPSK

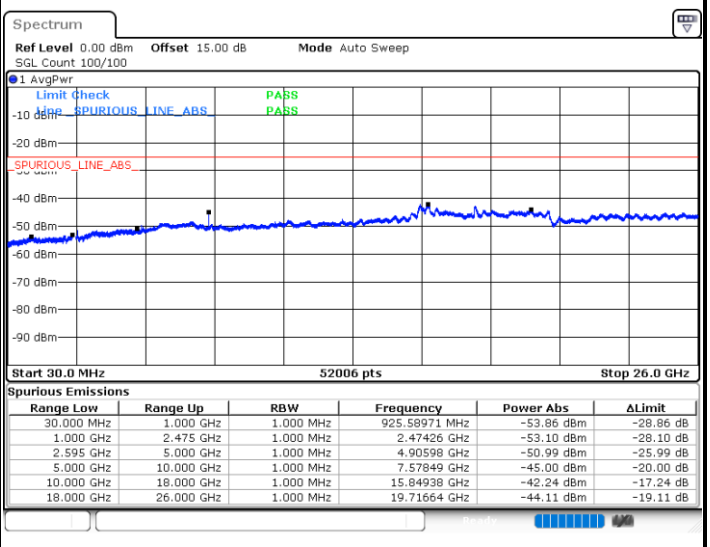


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	848.51324 MHz	-53.85 dBm	-28.85 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47082 GHz	-53.09 dBm	-28.09 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.29043 GHz	-50.89 dBm	-25.89 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.50350 GHz	-45.74 dBm	-20.74 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.53240 GHz	-42.25 dBm	-17.25 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.74064 GHz	-44.17 dBm	-19.17 dB

Date: 31.JUL.2025 00:07:15

Middle Channel / QPSK

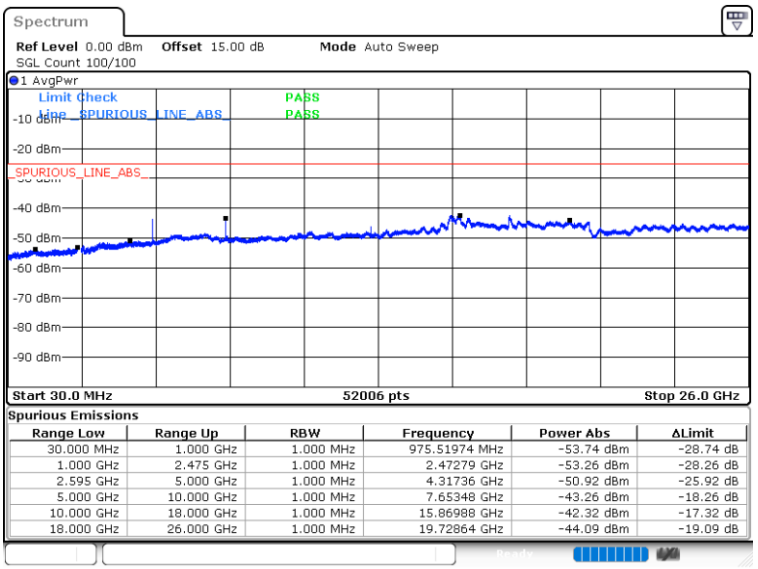


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-53.86 dBm	-28.86 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47426 GHz	-53.10 dBm	-28.10 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.90598 GHz	-50.99 dBm	-25.99 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.57849 GHz	-45.00 dBm	-20.00 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.84938 GHz	-42.24 dBm	-17.24 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.71664 GHz	-44.11 dBm	-19.11 dB

Date: 31.JUL.2025 00:08:19

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-53.74 dBm	-28.74 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47279 GHz	-53.26 dBm	-28.26 dB
2.595 GHz	5.000 GHz	1.000 MHz	4.31736 GHz	-50.92 dBm	-25.92 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.65348 GHz	-43.26 dBm	-18.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.86988 GHz	-42.32 dBm	-17.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.72864 GHz	-44.09 dBm	-19.09 dB

Date: 31.JUL.2025 00:16:21

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

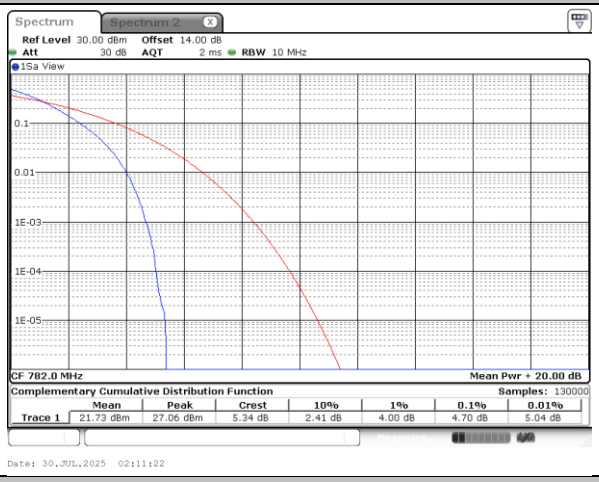
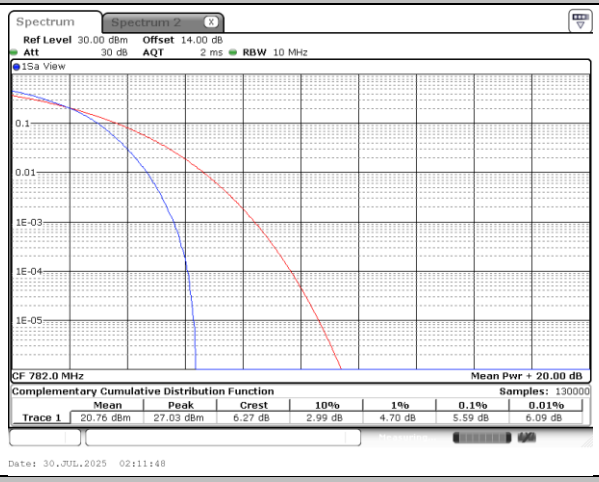
Note:

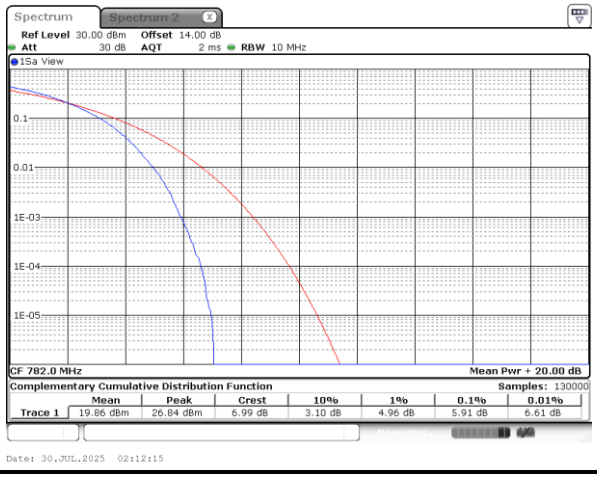
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.59	5.91	PASS

LTE Band 13 / 10MHz / QPSK	LTE Band 13 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

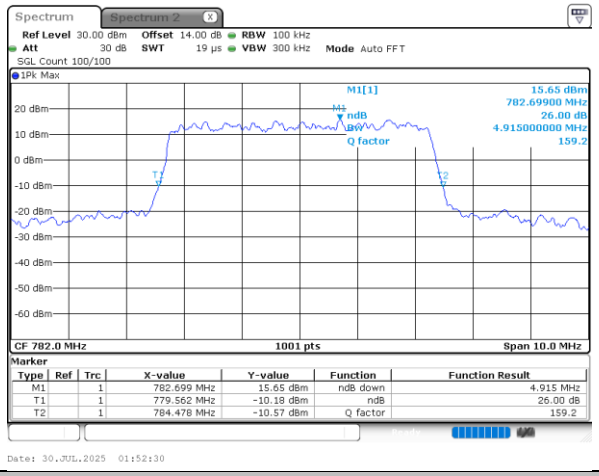
LTE Band 13 / 10MHz / 64QAM
Middle Channel / Full RB


26dB Bandwidth

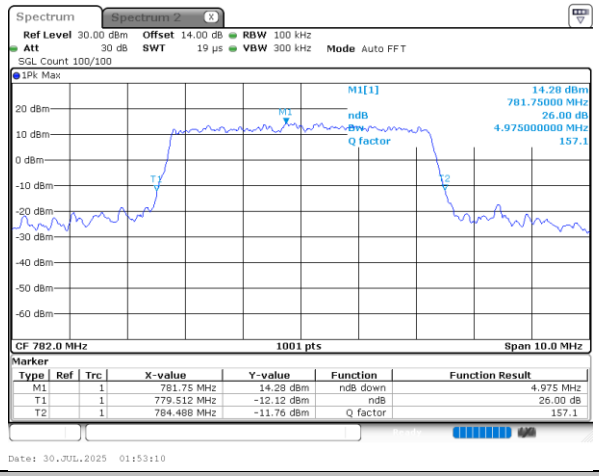
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.92	4.98	9.89	9.67	-	-	-	-

LTE Band 13

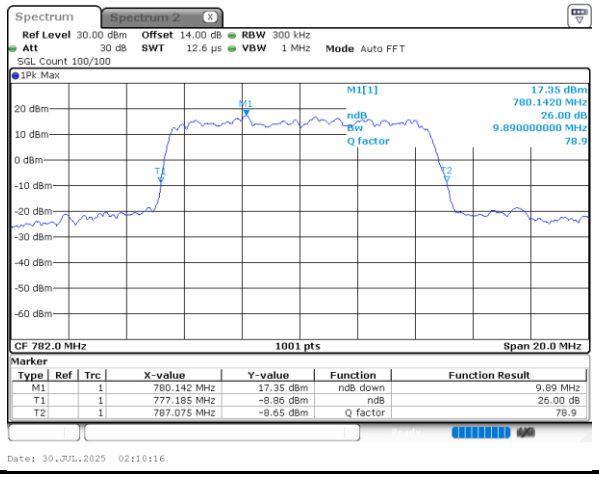
Middle Channel / 5MHz / QPSK



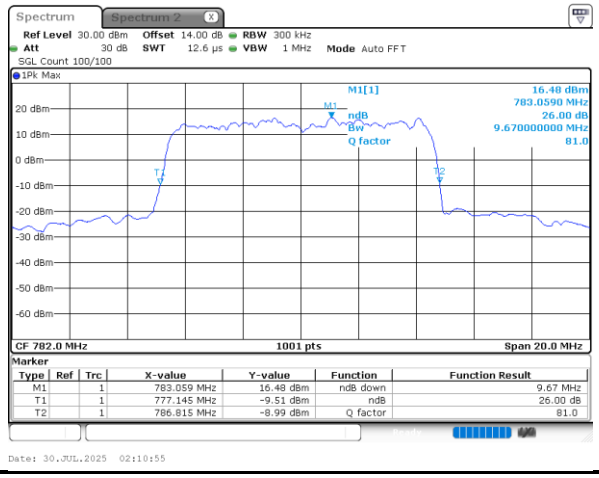
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

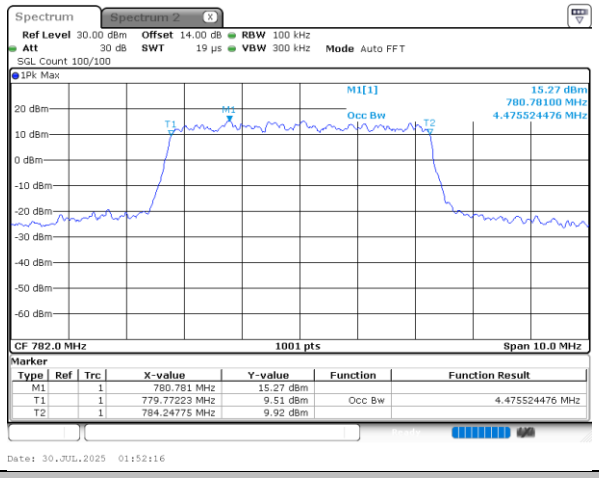


Occupied Bandwidth

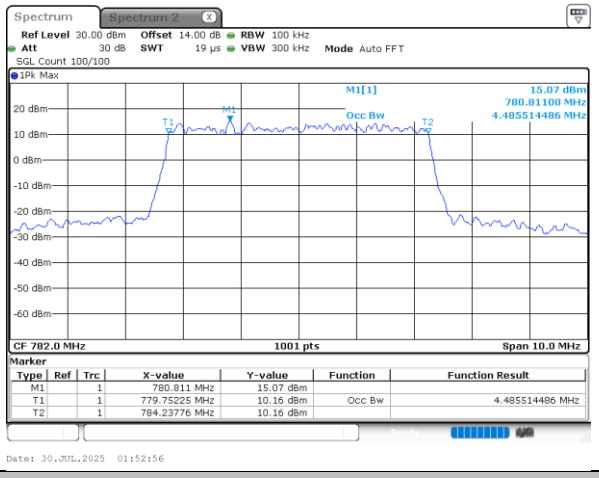
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.49	8.99	8.97	-	-	-	-

LTE Band 13

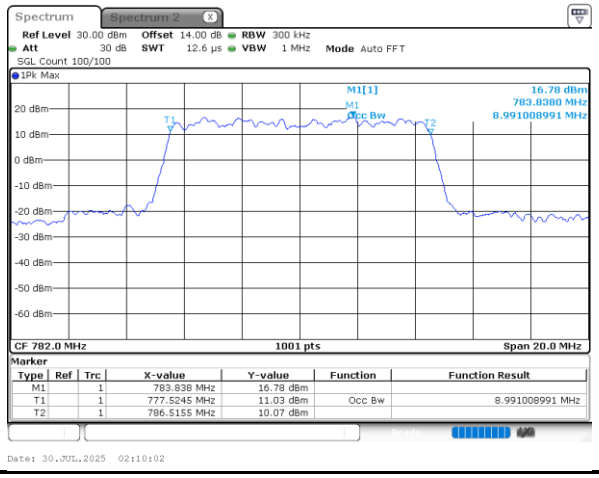
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM