FCC RF Test Report

APPLICANT	:	vivo Mobile Communication Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	vivo
MODEL NAME	:	V2529
FCC ID	:	2AUCY-V2529
STANDARD	:	47 CFR Part 22(H), 27(H), 27(F)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Jul. 15, 2025 ~ Aug. 20, 2025

We, Sporton International Inc. (ShenZhen), 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. (ShenZhen), the test report shall not be reproduced except in full.

Fly Liang

Approved by: Fly Liang

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG562603C	Rev. 01	Initial issue of report	Aug. 27, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt		-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §27.53(c)(2)(4) §27.53(g)	Conducted Band Edge Measurement (Band 5) (Band 12) (Band 13) (Band 17) (Band 26)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §27.53(c)(2) §27.53(g)	Conducted Spurious Emission (Band 5) (Band 12) (Band 13) (Band 17) (Band 26)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §27.53(c)(2) §27.53(f) §27.53(g)	Radiated Spurious Emission (Band 5) (Band 12) (Band 13) (Band 17) (Band 26)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 21.40 dB at 1559.50 MHz

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Applicant

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	V2529
FCC ID	2AUCY-V2529
IMEI Code	Conducted: 862902089996379/862902089996361 Radiation: 862902089999795/862902089999787
HW Version	MP_0.1
SW Version	PD2512GF_EX_A_15.0.4.3.W30
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 26 : 824 MHz ~ 849 MHz
Rx Frequency	LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 26 : 869 MHz ~ 894 MHz
Bandwidth	LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	**<Ant.13>** LTE Band 5 : 23.86 dBm LTE Band 12 : 23.85 dBm LTE Band 13 : 23.56 dBm LTE Band 17 : 23.80 dBm LTE Band 26 : 23.74 dBm **<Ant.31>** LTE Band 5 : 24.12 dBm LTE Band 12 : 24.07 dBm LTE Band 13 : 23.65 dBm LTE Band 17 : 24.03 dBm LTE Band 26 : 23.69 dBm
Antenna Gain	**<Ant.13>** LTE Band 5 : -5.04 dBi LTE Band 12 : -6.03 dBi LTE Band 13 : -7.92 dBi LTE Band 17 : -6.03 dBi LTE Band 26 : -5.04 dBi **<Ant.31>** LTE Band 5 : -4.28 dBi LTE Band 12 : -4.37 dBi LTE Band 13 : -8.10 dBi LTE Band 17 : -4.37 dBi LTE Band 26 : -4.28 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP is calculated from max output power and max antenna gain, so only the maximum ERP of Antenna 13 for LTE Band 13 and Antenna 31 for LTE Band 5/12/17/26 are shown in the report.
2. For conducted test items, only the test data of the worse antennas for each band are shown in the report according to the maximum power, Antenna 13 for LTE Band 26 and Antenna 31 for LTE Band 5/12/13.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP and Emission Designator

LTE Band 5		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0583	1M09G7D	0.0484	1M10W7D
3	825.5 ~ 847.5	0.0586	2M72G7D	0.0488	2M72W7D
5	826.5 ~ 846.5	0.0583	4M51G7D	0.0483	4M48W7D
10	829.0 ~ 844.0	0.0587	9M05G7D	0.0499	9M03W7D
LTE Band 12		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	699.7 ~ 715.3	0.0558	1M09G7D	0.0486	1M10W7D
3	700.5 ~ 714.5	0.0564	2M73G7D	0.0486	2M70W7D
5	701.5 ~ 713.5	0.0558	4M48G7D	0.0473	4M49W7D
10	704.0 ~ 711.0	0.0569	9M05G7D	0.0489	9M01W7D
LTE Band 13		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0223	4M51G7D	0.0175	4M47W7D
10	782.0	0.0223	9M05G7D	0.0176	9M01W7D
LTE Band 17		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	706.5 ~ 713.5	0.0561	4M48G7D	0.0486	4M49W7D
10	709.0 ~ 711.0	0.0564	9M05G7D	0.0490	9M01W7D

LTE Band 26		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0525	1M09G7D	0.0450	1M09W7D
3	825.5 ~ 847.5	0.0527	2M73G7D	0.0463	2M72W7D
5	826.5 ~ 846.5	0.0520	4M50G7D	0.0460	4M48W7D
10	829.0 ~ 844.0	0.0524	9M07G7D	0.0453	9M05W7D
15	831.5 ~ 841.5	0.0532	13M5G7D	0.0466	13M4W7D
CH26790	824.0	0.0524	13M4G7D	0.0450	13M5W7D

Note:

1. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
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 22(H), 27(H), 27(F)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

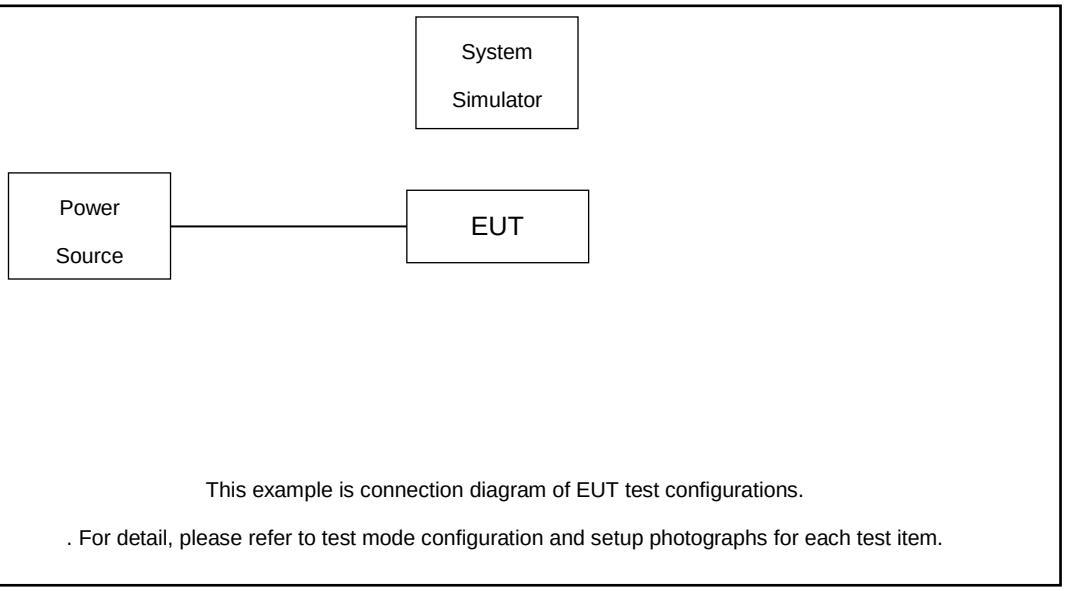
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	12	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
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	5				v	-	-	v	v	v			v		v	
	12				v	-	-	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v			v		v	
	26					v	-	v	v	v			v		v	
26dB and 99% Bandwidth	5	v	v	v	v	-	-	v	v				v		v	
	12	v	v	v	v	-	-	v	v				v		v	
	13	-	-	v	v	-	-	v	v				v		v	
	26	v	v	v	v	v	-	v	v				v		v	
Conducted Band Edge	5	v	v	v	v	-	-	v	v	v	v		v	v		v
	12	v	v	v	v	-	-	v	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	26	v	v	v	v	v	-	v	v	v	v		v	v		v
Conducted Spurious Emission	5	v	v	v	v	-	-	v			v			v	v	v
	12	v	v	v	v	-	-	v			v			v	v	v
	13	-	-	v	v	-	-	v			v			v	v	v
	26	v	v	v	v	v	-	v			v			v	v	v
Frequency Stability	5				v	-	-	v					v		v	
	12				v	-	-	v					v		v	
	13	-	-		v	-	-	v					v		v	
	26				v		-	v					v		v	
E.R.P	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v

	12	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
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	5	Worst Case													v	
	12	Worst Case													v	
	13	Worst Case													v	
	26	Worst Case													v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.															

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 4.0 dB and 10dB attenuator.

Example :

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

= 4.0 + 10 = 14.0 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 5 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

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 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 26 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

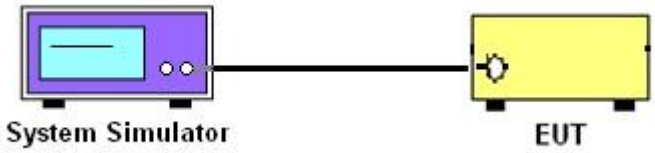
3 Conducted Test Items

3.1 Measuring Instruments

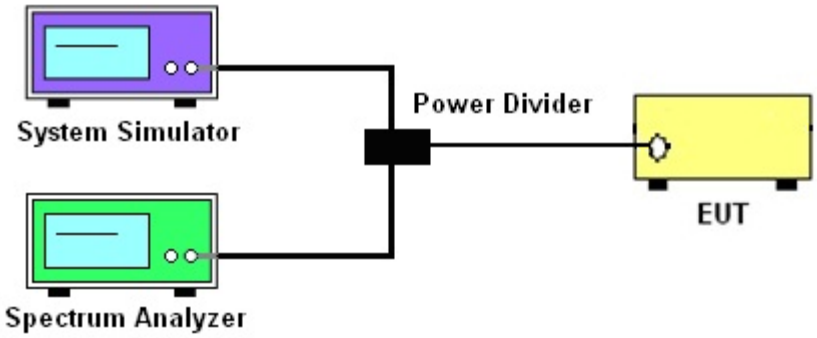
See list of measuring instruments of this test report.

3.2 Test Setup

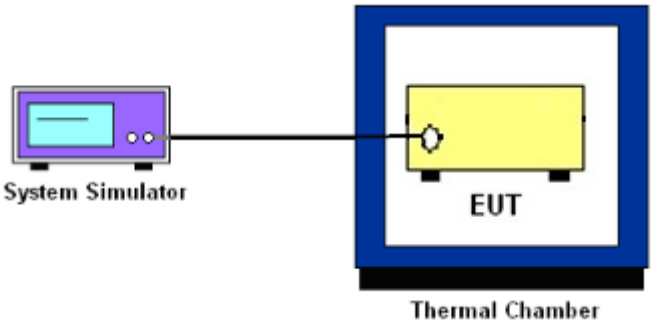
3.2.1 Conducted Output Power



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

3.4.1 Description of the Conducted Output Power Measurement and ERP 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 7 Watts for LTE Band 5 and Band 26.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17.

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

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

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 (g)

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

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.
   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. 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.

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

3.8.2 Test Procedures

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

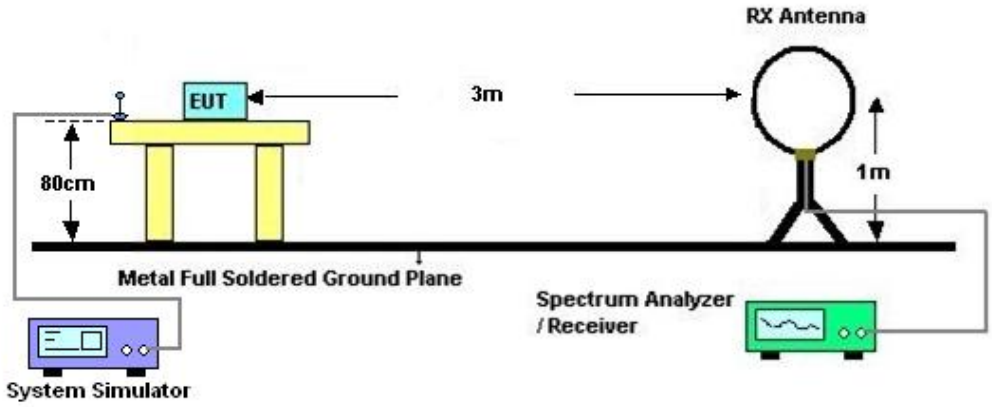
4 Radiated Test Items

4.1 Measuring Instruments

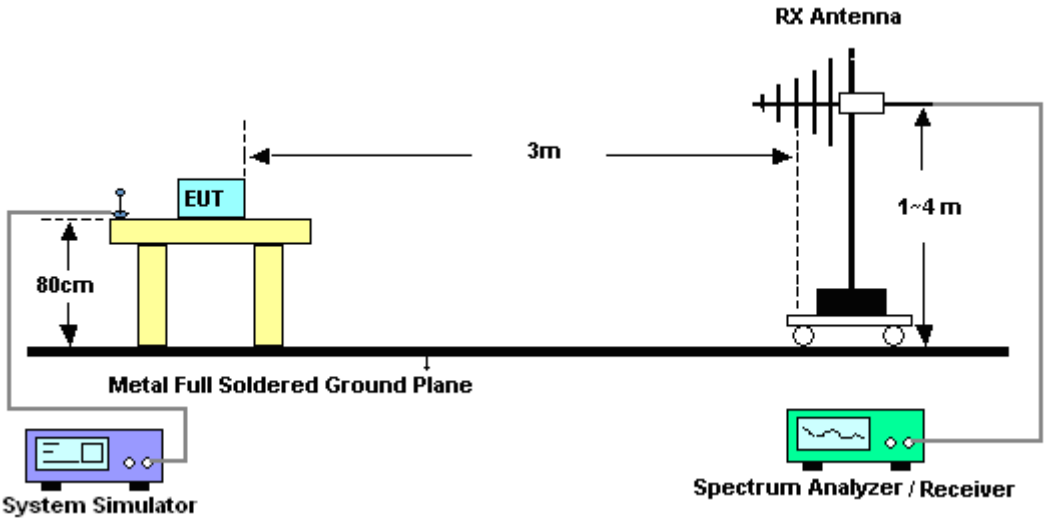
See list of measuring instruments of this test report.

4.2 Test Setup

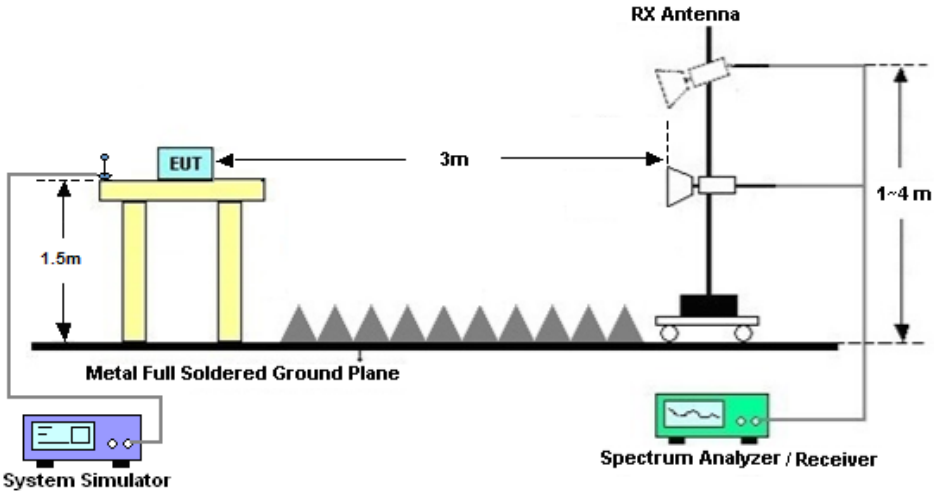
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

For 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.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Jul. 24, 2025~ Aug. 14, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jul. 24, 2025~ Aug. 14, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jul. 24, 2025~ Aug. 14, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Jul. 24, 2025~ Aug. 14, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2025	Jul. 24, 2025~ Aug. 14, 2025	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Jul. 24, 2025~ Aug. 14, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Jul. 24, 2025~ Aug. 14, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Jul. 24, 2025~ Aug. 14, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Jul. 24, 2025~ Aug. 14, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jul. 24, 2025~ Aug. 14, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jul. 24, 2025~ Aug. 14, 2025	NCR	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jul. 15, 2025~ Aug. 20, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct.14,2024	Jul. 15, 2025~ Aug. 20, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Jul. 15, 2025~ Aug. 20, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Jul. 15, 2025~ Aug. 20, 2025	Jul. 01, 2026	Conducted (TH01-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))	2.47dB

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

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

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

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

---------- 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 ERP

LTE Band 5_ANT31:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	24.11	24.12	24.05	0.0586	0.0587	0.0578
10	QPSK	1	25	23.67	23.98	23.93	0.0530	0.0569	0.0562
10	QPSK	1	49	23.91	23.77	23.82	0.0560	0.0542	0.0548
10	QPSK	25	0	23.08	23.10	22.84	0.0462	0.0465	0.0438
10	QPSK	25	12	22.89	22.88	22.82	0.0443	0.0442	0.0436
10	QPSK	25	25	22.87	22.85	22.82	0.0441	0.0439	0.0436
10	QPSK	50	0	22.91	23.08	22.82	0.0445	0.0462	0.0436
10	16QAM	1	0	22.68	23.41	22.99	0.0422	0.0499	0.0453
10	16QAM	1	25	23.14	23.22	22.77	0.0469	0.0478	0.0431
10	16QAM	1	49	23.14	22.82	23.31	0.0469	0.0436	0.0488
10	16QAM	25	0	21.90	21.79	21.80	0.0352	0.0344	0.0344
10	16QAM	25	12	21.91	21.82	21.84	0.0353	0.0346	0.0348
10	16QAM	25	25	21.82	21.94	21.75	0.0346	0.0356	0.0340
10	16QAM	50	0	21.82	21.82	21.89	0.0346	0.0346	0.0352
10	64QAM	1	0	22.13	22.16	21.91	0.0372	0.0374	0.0353
10	64QAM	1	25	22.05	21.68	21.94	0.0365	0.0335	0.0356
10	64QAM	1	49	22.14	21.95	22.16	0.0372	0.0356	0.0374
10	64QAM	25	0	20.86	20.87	20.84	0.0277	0.0278	0.0276
10	64QAM	25	12	20.84	20.91	20.81	0.0276	0.0281	0.0274
10	64QAM	25	25	20.84	20.85	20.78	0.0276	0.0277	0.0272
10	64QAM	50	0	20.84	20.83	20.77	0.0276	0.0275	0.0272
10	256QAM	1	0	18.89	18.90	18.86	0.0176	0.0177	0.0175
10	256QAM	1	25	18.87	18.84	18.83	0.0175	0.0174	0.0174
10	256QAM	1	49	18.88	18.76	18.73	0.0176	0.0171	0.0170
10	256QAM	25	0	18.80	18.82	18.76	0.0173	0.0173	0.0171
10	256QAM	25	12	18.76	18.83	18.83	0.0171	0.0174	0.0174
10	256QAM	25	25	18.82	18.81	18.71	0.0173	0.0173	0.0169
10	256QAM	50	0	18.86	18.85	18.73	0.0175	0.0175	0.0170
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	24.09	24.08	24.00	0.0583	0.0582	0.0571
5	QPSK	1	12	23.54	23.83	23.86	0.0514	0.0550	0.0553
5	QPSK	1	24	23.81	23.66	23.80	0.0547	0.0528	0.0546
5	QPSK	12	0	23.00	23.05	22.72	0.0454	0.0459	0.0426

5	QPSK	12	7	22.83	22.86	22.70	0.0437	0.0440	0.0424
5	QPSK	12	13	22.78	22.84	22.72	0.0432	0.0438	0.0426
5	QPSK	25	0	22.88	22.93	22.72	0.0442	0.0447	0.0426
5	16QAM	1	0	22.60	23.27	22.89	0.0414	0.0483	0.0443
5	16QAM	1	12	23.00	23.14	22.76	0.0454	0.0469	0.0430
5	16QAM	1	24	23.04	22.78	23.17	0.0458	0.0432	0.0472
5	16QAM	12	0	21.84	21.78	21.75	0.0348	0.0343	0.0340
5	16QAM	12	7	21.78	21.77	21.82	0.0343	0.0342	0.0346
5	16QAM	12	13	21.78	21.79	21.64	0.0343	0.0344	0.0332
5	16QAM	25	0	21.69	21.76	21.84	0.0336	0.0341	0.0348
5	64QAM	1	0	22.08	22.09	21.80	0.0367	0.0368	0.0344
5	64QAM	1	12	21.98	21.60	21.80	0.0359	0.0329	0.0344
5	64QAM	1	24	22.01	21.84	22.14	0.0361	0.0348	0.0372
5	64QAM	12	0	20.80	20.83	20.80	0.0274	0.0275	0.0274
5	64QAM	12	7	20.77	20.88	20.77	0.0272	0.0279	0.0272
5	64QAM	12	13	20.69	20.78	20.70	0.0267	0.0272	0.0267
5	64QAM	25	0	20.73	20.70	20.74	0.0269	0.0267	0.0270
5	256QAM	1	0	18.82	18.85	18.73	0.0173	0.0175	0.0170
5	256QAM	1	12	18.75	18.80	18.82	0.0171	0.0173	0.0173
5	256QAM	1	24	18.78	18.65	18.59	0.0172	0.0167	0.0164
5	256QAM	12	0	18.79	18.81	18.75	0.0172	0.0173	0.0171
5	256QAM	12	7	18.74	18.68	18.74	0.0170	0.0168	0.0170
5	256QAM	12	13	18.69	18.77	18.68	0.0168	0.0171	0.0168
5	256QAM	25	0	18.78	18.78	18.67	0.0172	0.0172	0.0167
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	24.06	24.11	24.02	0.0579	0.0586	0.0574
3	QPSK	1	8	23.64	23.87	23.78	0.0526	0.0555	0.0543
3	QPSK	1	14	23.88	23.76	23.68	0.0556	0.0541	0.0531
3	QPSK	8	0	22.99	23.01	22.69	0.0453	0.0455	0.0423
3	QPSK	8	4	22.80	22.82	22.77	0.0434	0.0436	0.0431
3	QPSK	8	7	22.86	22.84	22.78	0.0440	0.0438	0.0432
3	QPSK	15	0	22.76	22.95	22.79	0.0430	0.0449	0.0433
3	16QAM	1	0	22.67	23.31	22.94	0.0421	0.0488	0.0448
3	16QAM	1	8	23.01	23.07	22.73	0.0455	0.0461	0.0427
3	16QAM	1	14	22.99	22.72	23.28	0.0453	0.0426	0.0484
3	16QAM	8	0	21.76	21.70	21.70	0.0341	0.0337	0.0337
3	16QAM	8	4	21.77	21.67	21.78	0.0342	0.0334	0.0343
3	16QAM	8	7	21.75	21.91	21.73	0.0340	0.0353	0.0339
3	16QAM	15	0	21.81	21.75	21.83	0.0345	0.0340	0.0347
3	64QAM	1	0	22.04	22.08	21.90	0.0364	0.0367	0.0352
3	64QAM	1	8	21.99	21.55	21.84	0.0360	0.0325	0.0348
3	64QAM	1	14	22.05	21.86	22.02	0.0365	0.0349	0.0362
3	64QAM	8	0	20.76	20.75	20.69	0.0271	0.0270	0.0267
3	64QAM	8	4	20.81	20.84	20.76	0.0274	0.0276	0.0271
3	64QAM	8	7	20.83	20.74	20.77	0.0275	0.0270	0.0272
3	64QAM	15	0	20.72	20.81	20.68	0.0269	0.0274	0.0266
3	256QAM	1	0	18.85	18.76	18.80	0.0175	0.0171	0.0173
3	256QAM	1	8	18.79	18.79	18.75	0.0172	0.0172	0.0171
3	256QAM	1	14	18.76	18.73	18.59	0.0171	0.0170	0.0164

3	256QAM	8	0	18.68	18.79	18.71	0.0168	0.0172	0.0169
3	256QAM	8	4	18.68	18.72	18.73	0.0168	0.0169	0.0170
3	256QAM	8	7	18.72	18.77	18.60	0.0169	0.0171	0.0165
3	256QAM	15	0	18.81	18.73	18.62	0.0173	0.0170	0.0166
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	24.09	24.03	23.90	0.0583	0.0575	0.0558
1.4	QPSK	1	3	23.55	23.85	23.89	0.0515	0.0552	0.0557
1.4	QPSK	1	5	23.85	23.68	23.73	0.0552	0.0531	0.0537
1.4	QPSK	3	0	24.00	24.03	23.91	0.0571	0.0575	0.0560
1.4	QPSK	3	1	23.62	23.94	23.83	0.0524	0.0564	0.0550
1.4	QPSK	3	3	23.85	23.74	23.79	0.0552	0.0538	0.0545
1.4	QPSK	6	0	22.98	23.02	22.80	0.0452	0.0456	0.0434
1.4	16QAM	1	0	22.77	22.73	22.80	0.0431	0.0427	0.0434
1.4	16QAM	1	3	22.79	22.79	22.72	0.0433	0.0433	0.0426
1.4	16QAM	1	5	22.88	22.96	22.69	0.0442	0.0450	0.0423
1.4	16QAM	3	0	22.56	23.28	22.87	0.0410	0.0484	0.0441
1.4	16QAM	3	1	23.04	23.11	22.72	0.0458	0.0466	0.0426
1.4	16QAM	3	3	23.00	22.78	23.26	0.0454	0.0432	0.0482
1.4	16QAM	6	0	21.75	21.65	21.70	0.0340	0.0333	0.0337
1.4	64QAM	1	0	21.89	21.67	21.78	0.0352	0.0334	0.0343
1.4	64QAM	1	3	21.67	21.84	21.62	0.0334	0.0348	0.0330
1.4	64QAM	1	5	21.71	21.73	21.86	0.0337	0.0339	0.0349
1.4	64QAM	3	0	21.99	22.05	21.88	0.0360	0.0365	0.0351
1.4	64QAM	3	1	22.03	21.60	21.82	0.0363	0.0329	0.0346
1.4	64QAM	3	3	22.01	21.85	22.06	0.0361	0.0348	0.0366
1.4	64QAM	6	0	20.72	20.76	20.74	0.0269	0.0271	0.0270
1.4	256QAM	1	0	18.78	18.82	18.74	0.0172	0.0173	0.0170
1.4	256QAM	1	3	18.83	18.73	18.70	0.0174	0.0170	0.0169
1.4	256QAM	1	5	18.80	18.64	18.61	0.0173	0.0166	0.0165
1.4	256QAM	3	0	18.65	18.70	18.70	0.0167	0.0169	0.0169
1.4	256QAM	3	1	18.61	18.82	18.82	0.0165	0.0173	0.0173
1.4	256QAM	3	3	18.75	18.68	18.59	0.0171	0.0168	0.0164
1.4	256QAM	6	0	18.84	18.76	18.60	0.0174	0.0171	0.0165

LTE Band 12_ANT31:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711	L	M	H
10	QPSK	1	0	24.00	24.07	24.03	0.0560	0.0569	0.0564
10	QPSK	1	25	23.87	23.93	23.85	0.0543	0.0551	0.0541
10	QPSK	1	49	23.88	23.82	23.84	0.0545	0.0537	0.0540
10	QPSK	25	0	22.92	23.05	22.94	0.0437	0.0450	0.0439
10	QPSK	25	12	22.84	22.83	22.84	0.0429	0.0428	0.0429
10	QPSK	25	25	22.88	22.89	22.85	0.0433	0.0434	0.0430
10	QPSK	50	0	22.84	23.01	22.89	0.0429	0.0446	0.0434
10	16QAM	1	0	22.59	23.41	22.80	0.0405	0.0489	0.0425
10	16QAM	1	25	23.29	22.77	23.17	0.0475	0.0422	0.0462

10	16QAM	1	49	23.24	23.28	22.92	0.0470	0.0474	0.0437
10	16QAM	25	0	21.74	21.83	21.87	0.0333	0.0340	0.0343
10	16QAM	25	12	21.83	21.87	21.77	0.0340	0.0343	0.0335
10	16QAM	25	25	21.86	21.88	21.84	0.0342	0.0344	0.0340
10	16QAM	50	0	21.77	21.88	21.82	0.0335	0.0344	0.0339
10	64QAM	1	0	22.00	22.11	21.58	0.0353	0.0362	0.0321
10	64QAM	1	25	21.88	22.10	21.93	0.0344	0.0361	0.0348
10	64QAM	1	49	22.01	21.74	22.11	0.0354	0.0333	0.0362
10	64QAM	25	0	20.71	20.76	20.75	0.0262	0.0265	0.0265
10	64QAM	25	12	20.85	20.88	20.81	0.0271	0.0273	0.0269
10	64QAM	25	25	20.89	20.81	20.88	0.0274	0.0269	0.0273
10	64QAM	50	0	20.85	20.85	20.81	0.0271	0.0271	0.0269
10	256QAM	1	0	18.89	18.90	18.86	0.0173	0.0173	0.0171
10	256QAM	1	25	18.85	18.86	18.77	0.0171	0.0171	0.0168
10	256QAM	1	49	18.80	18.88	18.72	0.0169	0.0172	0.0166
10	256QAM	25	0	18.83	18.88	18.74	0.0170	0.0172	0.0167
10	256QAM	25	12	18.78	18.84	18.81	0.0168	0.0171	0.0169
10	256QAM	25	25	18.81	18.78	18.80	0.0169	0.0168	0.0169
10	256QAM	50	0	18.85	18.78	18.73	0.0171	0.0168	0.0166
Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	23.99	23.98	23.90	0.0558	0.0557	0.0547
5	QPSK	1	12	23.74	23.84	23.72	0.0527	0.0540	0.0525
5	QPSK	1	24	23.73	23.78	23.77	0.0526	0.0532	0.0531
5	QPSK	12	0	22.83	23.04	22.81	0.0428	0.0449	0.0426
5	QPSK	12	7	22.76	22.76	22.79	0.0421	0.0421	0.0424
5	QPSK	12	13	22.82	22.79	22.75	0.0427	0.0424	0.0420
5	QPSK	25	0	22.69	22.99	22.76	0.0414	0.0444	0.0421
5	16QAM	1	0	22.57	23.27	22.76	0.0403	0.0473	0.0421
5	16QAM	1	12	23.16	22.64	23.08	0.0461	0.0409	0.0453
5	16QAM	1	24	23.16	23.22	22.84	0.0461	0.0468	0.0429
5	16QAM	12	0	21.67	21.80	21.75	0.0327	0.0337	0.0333
5	16QAM	12	7	21.69	21.76	21.74	0.0329	0.0334	0.0333
5	16QAM	12	13	21.75	21.81	21.71	0.0333	0.0338	0.0330
5	16QAM	25	0	21.69	21.76	21.72	0.0329	0.0334	0.0331
5	64QAM	1	0	21.90	22.08	21.50	0.0345	0.0360	0.0315
5	64QAM	1	12	21.82	22.00	21.92	0.0339	0.0353	0.0347
5	64QAM	1	24	21.91	21.71	22.00	0.0346	0.0330	0.0353
5	64QAM	12	0	20.56	20.73	20.73	0.0254	0.0264	0.0264
5	64QAM	12	7	20.72	20.74	20.77	0.0263	0.0264	0.0266
5	64QAM	12	13	20.78	20.79	20.81	0.0267	0.0267	0.0269
5	64QAM	25	0	20.71	20.76	20.78	0.0262	0.0265	0.0267
5	256QAM	1	0	18.87	18.82	18.80	0.0172	0.0170	0.0169
5	256QAM	1	12	18.77	18.84	18.67	0.0168	0.0171	0.0164
5	256QAM	1	24	18.67	18.85	18.70	0.0164	0.0171	0.0165
5	256QAM	12	0	18.71	18.83	18.63	0.0166	0.0170	0.0163
5	256QAM	12	7	18.73	18.74	18.66	0.0166	0.0167	0.0164
5	256QAM	12	13	18.78	18.68	18.68	0.0168	0.0164	0.0164
5	256QAM	25	0	18.81	18.68	18.61	0.0169	0.0164	0.0162
Channel				23025	23095	23165	ERP(W)		

Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	23.87	24.03	23.96	0.0543	0.0564	0.0555
3	QPSK	1	8	23.74	23.88	23.72	0.0527	0.0545	0.0525
3	QPSK	1	14	23.77	23.77	23.81	0.0531	0.0531	0.0536
3	QPSK	8	0	22.78	22.90	22.87	0.0423	0.0435	0.0432
3	QPSK	8	4	22.75	22.79	22.73	0.0420	0.0424	0.0418
3	QPSK	8	7	22.86	22.76	22.75	0.0431	0.0421	0.0420
3	QPSK	15	0	22.73	22.92	22.83	0.0418	0.0437	0.0428
3	16QAM	1	0	22.54	23.39	22.75	0.0400	0.0486	0.0420
3	16QAM	1	8	23.26	22.68	23.16	0.0472	0.0413	0.0461
3	16QAM	1	14	23.13	23.21	22.82	0.0458	0.0467	0.0427
3	16QAM	8	0	21.70	21.79	21.74	0.0330	0.0337	0.0333
3	16QAM	8	4	21.70	21.78	21.69	0.0330	0.0336	0.0329
3	16QAM	8	7	21.75	21.77	21.79	0.0333	0.0335	0.0337
3	16QAM	15	0	21.68	21.77	21.75	0.0328	0.0335	0.0333
3	64QAM	1	0	21.96	21.98	21.51	0.0350	0.0352	0.0316
3	64QAM	1	8	21.81	22.04	21.91	0.0338	0.0356	0.0346
3	64QAM	1	14	21.97	21.72	22.00	0.0351	0.0331	0.0353
3	64QAM	8	0	20.70	20.75	20.60	0.0262	0.0265	0.0256
3	64QAM	8	4	20.73	20.73	20.77	0.0264	0.0264	0.0266
3	64QAM	8	7	20.76	20.75	20.74	0.0265	0.0265	0.0264
3	64QAM	15	0	20.73	20.77	20.76	0.0264	0.0266	0.0265
3	256QAM	1	0	18.88	18.78	18.72	0.0172	0.0168	0.0166
3	256QAM	1	8	18.70	18.82	18.67	0.0165	0.0170	0.0164
3	256QAM	1	14	18.77	18.79	18.65	0.0168	0.0169	0.0163
3	256QAM	8	0	18.78	18.82	18.69	0.0168	0.0170	0.0165
3	256QAM	8	4	18.73	18.79	18.78	0.0166	0.0169	0.0168
3	256QAM	8	7	18.69	18.72	18.73	0.0165	0.0166	0.0166
3	256QAM	15	0	18.70	18.71	18.67	0.0165	0.0166	0.0164
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	23.91	23.92	23.98	0.0548	0.0550	0.0557
1.4	QPSK	1	3	23.82	23.79	23.81	0.0537	0.0533	0.0536
1.4	QPSK	1	5	23.87	23.70	23.83	0.0543	0.0522	0.0538
1.4	QPSK	3	0	23.99	23.93	23.89	0.0558	0.0551	0.0546
1.4	QPSK	3	1	23.85	23.82	23.70	0.0541	0.0537	0.0522
1.4	QPSK	3	3	23.75	23.80	23.69	0.0528	0.0535	0.0521
1.4	QPSK	6	0	22.81	22.94	22.82	0.0426	0.0439	0.0427
1.4	16QAM	1	0	22.81	22.68	22.73	0.0426	0.0413	0.0418
1.4	16QAM	1	3	22.84	22.78	22.71	0.0429	0.0423	0.0416
1.4	16QAM	1	5	22.72	22.97	22.82	0.0417	0.0442	0.0427
1.4	16QAM	3	0	22.53	23.39	22.78	0.0399	0.0486	0.0423
1.4	16QAM	3	1	23.14	22.63	23.10	0.0459	0.0408	0.0455
1.4	16QAM	3	3	23.16	23.19	22.87	0.0461	0.0465	0.0432
1.4	16QAM	6	0	21.62	21.77	21.85	0.0324	0.0335	0.0341
1.4	64QAM	1	0	21.77	21.72	21.70	0.0335	0.0331	0.0330
1.4	64QAM	1	3	21.80	21.75	21.76	0.0337	0.0333	0.0334
1.4	64QAM	1	5	21.74	21.82	21.80	0.0333	0.0339	0.0337
1.4	64QAM	3	0	21.91	22.00	21.47	0.0346	0.0353	0.0313
1.4	64QAM	3	1	21.78	21.95	21.86	0.0336	0.0349	0.0342

1.4	64QAM	3	3	21.87	21.65	22.02	0.0343	0.0326	0.0355
1.4	64QAM	6	0	20.69	20.63	20.70	0.0261	0.0258	0.0262
1.4	256QAM	1	0	18.82	18.80	18.80	0.0170	0.0169	0.0169
1.4	256QAM	1	3	18.72	18.71	18.70	0.0166	0.0166	0.0165
1.4	256QAM	1	5	18.72	18.76	18.59	0.0166	0.0167	0.0161
1.4	256QAM	3	0	18.82	18.76	18.65	0.0170	0.0167	0.0163
1.4	256QAM	3	1	18.76	18.70	18.74	0.0167	0.0165	0.0167
1.4	256QAM	3	3	18.74	18.75	18.79	0.0167	0.0167	0.0169
1.4	256QAM	6	0	18.72	18.75	18.70	0.0166	0.0167	0.0165

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		23.56			0.0223	
10	QPSK	1	25		23.32			0.0211	
10	QPSK	1	49		23.36			0.0213	
10	QPSK	25	0		22.56			0.0177	
10	QPSK	25	12		22.31			0.0167	
10	QPSK	25	25		22.29			0.0167	
10	QPSK	50	0		22.50			0.0175	
10	16QAM	1	0		22.51			0.0175	
10	16QAM	1	25		22.53			0.0176	
10	16QAM	1	49		22.52			0.0176	
10	16QAM	25	0		21.26			0.0132	
10	16QAM	25	12		21.29			0.0132	
10	16QAM	25	25		21.26			0.0132	
10	16QAM	50	0		21.28			0.0132	
10	64QAM	1	0		21.41			0.0136	
10	64QAM	1	25		21.47			0.0138	
10	64QAM	1	49		21.49			0.0139	
10	64QAM	25	0		20.24			0.0104	
10	64QAM	25	12		20.28			0.0105	
10	64QAM	25	25		20.26			0.0104	
10	64QAM	50	0		20.26			0.0104	
10	256QAM	1	0		18.37			0.0068	
10	256QAM	1	25		18.30			0.0067	
10	256QAM	1	49		18.31			0.0067	
10	256QAM	25	0		18.24			0.0066	
10	256QAM	25	12		18.23			0.0065	
10	256QAM	25	25		18.24			0.0066	
10	256QAM	50	0		18.31			0.0067	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	23.51	23.48	23.55	0.0221	0.0219	0.0223
5	QPSK	1	12	23.24	23.24	23.20	0.0207	0.0207	0.0206
5	QPSK	1	24	23.33	23.21	23.23	0.0212	0.0206	0.0207
5	QPSK	12	0	22.46	22.42	22.51	0.0173	0.0172	0.0175

5	QPSK	12	7	22.22	22.29	22.16	0.0164	0.0167	0.0162
5	QPSK	12	13	22.21	22.20	22.18	0.0164	0.0163	0.0163
5	QPSK	25	0	22.47	22.49	22.43	0.0174	0.0175	0.0172
5	16QAM	1	0	22.40	22.50	22.42	0.0171	0.0175	0.0172
5	16QAM	1	12	22.38	22.40	22.39	0.0170	0.0171	0.0171
5	16QAM	1	24	22.43	22.48	22.45	0.0172	0.0174	0.0173
5	16QAM	12	0	21.20	21.23	21.23	0.0130	0.0131	0.0131
5	16QAM	12	7	21.26	21.25	21.22	0.0132	0.0131	0.0130
5	16QAM	12	13	21.16	21.17	21.25	0.0129	0.0129	0.0131
5	16QAM	25	0	21.20	21.25	21.20	0.0130	0.0131	0.0130
5	64QAM	1	0	21.28	21.37	21.27	0.0132	0.0135	0.0132
5	64QAM	1	12	21.45	21.38	21.44	0.0137	0.0135	0.0137
5	64QAM	1	24	21.43	21.38	21.39	0.0137	0.0135	0.0136
5	64QAM	12	0	20.20	20.15	20.19	0.0103	0.0102	0.0103
5	64QAM	12	7	20.17	20.15	20.15	0.0102	0.0102	0.0102
5	64QAM	12	13	20.25	20.23	20.20	0.0104	0.0104	0.0103
5	64QAM	25	0	20.24	20.24	20.17	0.0104	0.0104	0.0102
5	256QAM	1	0	18.30	18.26	18.33	0.0067	0.0066	0.0067
5	256QAM	1	12	18.22	18.17	18.25	0.0065	0.0065	0.0066
5	256QAM	1	24	18.22	18.27	18.30	0.0065	0.0066	0.0067
5	256QAM	12	0	18.14	18.15	18.12	0.0064	0.0064	0.0064
5	256QAM	12	7	18.18	18.11	18.22	0.0065	0.0064	0.0065
5	256QAM	12	13	18.11	18.10	18.12	0.0064	0.0064	0.0064
5	256QAM	25	0	18.20	18.27	18.27	0.0065	0.0066	0.0066

LTE Band 17_ANT31:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711	L	M	H
10	QPSK	1	0	24.01	24.03	23.99	0.0561	0.0564	0.0558
10	QPSK	1	25	24.00	23.90	23.97	0.0560	0.0547	0.0556
10	QPSK	1	49	23.98	23.99	23.94	0.0557	0.0558	0.0552
10	QPSK	25	0	22.98	23.00	22.95	0.0443	0.0445	0.0440
10	QPSK	25	12	22.92	22.92	22.91	0.0437	0.0437	0.0436
10	QPSK	25	25	22.94	22.90	22.93	0.0439	0.0435	0.0438
10	QPSK	50	0	22.95	22.97	22.93	0.0440	0.0442	0.0438
10	16QAM	1	0	23.09	22.95	22.95	0.0454	0.0440	0.0440
10	16QAM	1	25	23.25	23.01	23.26	0.0471	0.0446	0.0472
10	16QAM	1	49	23.06	23.14	23.42	0.0451	0.0459	0.0490
10	16QAM	25	0	21.82	21.83	21.92	0.0339	0.0340	0.0347
10	16QAM	25	12	21.90	21.88	21.93	0.0345	0.0344	0.0348
10	16QAM	25	25	21.95	21.97	21.90	0.0349	0.0351	0.0345
10	16QAM	50	0	21.90	21.90	21.86	0.0345	0.0345	0.0342
10	64QAM	1	0	22.16	22.16	21.70	0.0366	0.0366	0.0330
10	64QAM	1	25	22.18	21.89	22.18	0.0368	0.0344	0.0368
10	64QAM	1	49	22.25	22.28	22.24	0.0374	0.0377	0.0373
10	64QAM	25	0	20.82	20.88	20.85	0.0269	0.0273	0.0271
10	64QAM	25	12	20.90	20.85	20.81	0.0274	0.0271	0.0269

10	64QAM	25	25	20.91	20.86	20.93	0.0275	0.0272	0.0276
10	64QAM	50	0	20.91	20.93	20.85	0.0275	0.0276	0.0271
10	256QAM	1	0	18.87	18.90	18.85	0.0172	0.0173	0.0171
10	256QAM	1	25	18.86	18.84	18.81	0.0171	0.0171	0.0169
10	256QAM	1	49	18.82	18.87	18.83	0.0170	0.0172	0.0170
10	256QAM	25	0	18.76	18.85	18.81	0.0167	0.0171	0.0169
10	256QAM	25	12	18.76	18.85	18.76	0.0167	0.0171	0.0167
10	256QAM	25	25	18.86	18.80	18.79	0.0171	0.0169	0.0169
10	256QAM	50	0	18.79	18.89	18.77	0.0169	0.0173	0.0168
Channel				23755	23790	23825	ERP(W)		
Frequency (MHz)				706.5	710	713.5	L	M	H
5	QPSK	1	0	23.89	24.01	23.87	0.0546	0.0561	0.0543
5	QPSK	1	12	23.86	23.77	23.88	0.0542	0.0531	0.0545
5	QPSK	1	24	23.87	23.88	23.79	0.0543	0.0545	0.0533
5	QPSK	12	0	22.90	22.92	22.85	0.0435	0.0437	0.0430
5	QPSK	12	7	22.77	22.86	22.78	0.0422	0.0431	0.0423
5	QPSK	12	13	22.84	22.88	22.81	0.0429	0.0433	0.0426
5	QPSK	25	0	22.90	22.95	22.88	0.0435	0.0440	0.0433
5	16QAM	1	0	23.03	22.93	22.87	0.0448	0.0438	0.0432
5	16QAM	1	12	23.13	22.91	23.12	0.0458	0.0436	0.0457
5	16QAM	1	24	22.97	23.05	23.39	0.0442	0.0450	0.0486
5	16QAM	12	0	21.79	21.82	21.89	0.0337	0.0339	0.0344
5	16QAM	12	7	21.87	21.83	21.82	0.0343	0.0340	0.0339
5	16QAM	12	13	21.86	21.85	21.82	0.0342	0.0341	0.0339
5	16QAM	25	0	21.79	21.87	21.75	0.0337	0.0343	0.0333
5	64QAM	1	0	22.12	22.04	21.55	0.0363	0.0356	0.0318
5	64QAM	1	12	22.13	21.78	22.13	0.0364	0.0336	0.0364
5	64QAM	1	24	22.17	22.14	22.19	0.0367	0.0365	0.0369
5	64QAM	12	0	20.75	20.84	20.77	0.0265	0.0270	0.0266
5	64QAM	12	7	20.75	20.83	20.80	0.0265	0.0270	0.0268
5	64QAM	12	13	20.79	20.76	20.81	0.0267	0.0265	0.0269
5	64QAM	25	0	20.80	20.82	20.75	0.0268	0.0269	0.0265
5	256QAM	1	0	18.77	18.79	18.80	0.0168	0.0169	0.0169
5	256QAM	1	12	18.72	18.71	18.67	0.0166	0.0166	0.0164
5	256QAM	1	24	18.70	18.79	18.68	0.0165	0.0169	0.0164
5	256QAM	12	0	18.65	18.71	18.71	0.0163	0.0166	0.0166
5	256QAM	12	7	18.67	18.76	18.70	0.0164	0.0167	0.0165
5	256QAM	12	13	18.78	18.75	18.71	0.0168	0.0167	0.0166
5	256QAM	25	0	18.65	18.81	18.65	0.0163	0.0169	0.0163

LTE Band 26_ANT31:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)			
Channel				26790	26865	26915	26965				
Frequency (MHz)				824	831.5	836.5	841.5	Straddle Ch	L	M	H
15	QPSK	1	0	23.62	23.63	23.69	23.65	0.0524	0.0525	0.0532	0.0527
15	QPSK	1	37	23.61	23.62	23.60	23.60	0.0522	0.0524	0.0521	0.0521
15	QPSK	1	74	23.54	23.55	23.64	23.56	0.0514	0.0515	0.0526	0.0516
15	QPSK	36	0	22.54	22.63	22.68	22.64	0.0408	0.0417	0.0422	0.0418

15	QPSK	36	20	22.55	22.60	22.59	22.63	0.0409	0.0414	0.0413	0.0417
15	QPSK	36	39	22.52	22.61	22.61	22.60	0.0406	0.0415	0.0415	0.0414
15	QPSK	75	0	22.56	22.62	22.65	22.62	0.0410	0.0416	0.0419	0.0416
15	16QAM	1	0	22.87	23.00	22.66	22.58	0.0441	0.0454	0.0420	0.0412
15	16QAM	1	37	22.96	23.00	22.77	23.11	0.0450	0.0454	0.0431	0.0466
15	16QAM	1	74	22.54	22.61	22.55	22.62	0.0408	0.0415	0.0409	0.0416
15	16QAM	36	0	21.54	21.64	21.59	21.59	0.0324	0.0332	0.0328	0.0328
15	16QAM	36	20	21.64	21.70	21.64	21.63	0.0332	0.0337	0.0332	0.0331
15	16QAM	36	39	21.56	21.62	21.57	21.59	0.0326	0.0330	0.0327	0.0328
15	16QAM	75	0	21.49	21.62	21.64	21.67	0.0321	0.0330	0.0332	0.0334
15	64QAM	1	0	21.83	21.84	21.55	22.00	0.0347	0.0348	0.0325	0.0361
15	64QAM	1	37	21.57	21.65	21.73	21.92	0.0327	0.0333	0.0339	0.0354
15	64QAM	1	74	21.85	21.86	21.97	21.43	0.0348	0.0349	0.0358	0.0316
15	64QAM	36	0	20.59	20.64	20.60	20.67	0.0261	0.0264	0.0261	0.0265
15	64QAM	36	20	20.63	20.67	20.66	20.66	0.0263	0.0265	0.0265	0.0265
15	64QAM	36	39	20.52	20.60	20.59	20.59	0.0256	0.0261	0.0261	0.0261
15	64QAM	75	0	20.52	20.61	20.64	20.64	0.0256	0.0262	0.0264	0.0264
15	256QAM	1	0	18.60	18.63	18.65	18.61	0.0165	0.0166	0.0167	0.0165
15	256QAM	1	37	18.53	18.54	18.51	18.49	0.0162	0.0163	0.0161	0.0161
15	256QAM	1	74	18.49	18.56	18.64	18.54	0.0161	0.0163	0.0166	0.0163
15	256QAM	36	0	18.47	18.51	18.62	18.48	0.0160	0.0161	0.0166	0.0160
15	256QAM	36	20	18.38	18.51	18.59	18.49	0.0157	0.0161	0.0164	0.0161
15	256QAM	36	39	18.56	18.60	18.55	18.56	0.0163	0.0165	0.0163	0.0163
15	256QAM	75	0	18.45	18.59	18.62	18.48	0.0159	0.0164	0.0166	0.0160
Channel					26840	26915	26990	ERP(W)			
Frequency (MHz)					829	836.5	844		L	M	H
10	QPSK	1	0		23.62	23.58	23.52		0.0524	0.0519	0.0512
10	QPSK	1	25		23.47	23.48	23.51		0.0506	0.0507	0.0511
10	QPSK	1	49		23.50	23.51	23.45		0.0509	0.0511	0.0504
10	QPSK	25	0		22.56	22.64	22.61		0.0410	0.0418	0.0415
10	QPSK	25	12		22.45	22.46	22.60		0.0400	0.0401	0.0414
10	QPSK	25	25		22.52	22.54	22.52		0.0406	0.0408	0.0406
10	QPSK	50	0		22.51	22.64	22.54		0.0406	0.0418	0.0408
10	16QAM	1	0		22.97	22.59	22.56		0.0451	0.0413	0.0410
10	16QAM	1	25		22.98	22.71	22.99		0.0452	0.0425	0.0453
10	16QAM	1	49		22.48	22.51	22.48		0.0403	0.0406	0.0403
10	16QAM	25	0		21.50	21.46	21.51		0.0321	0.0318	0.0322
10	16QAM	25	12		21.63	21.56	21.56		0.0331	0.0326	0.0326
10	16QAM	25	25		21.53	21.53	21.58		0.0324	0.0324	0.0327
10	16QAM	50	0		21.57	21.57	21.61		0.0327	0.0327	0.0330
10	64QAM	1	0		21.83	21.40	21.92		0.0347	0.0314	0.0354
10	64QAM	1	25		21.62	21.59	21.78		0.0330	0.0328	0.0343
10	64QAM	1	49		21.72	21.83	21.41		0.0338	0.0347	0.0315
10	64QAM	25	0		20.52	20.45	20.65		0.0256	0.0252	0.0264
10	64QAM	25	12		20.65	20.53	20.61		0.0264	0.0257	0.0262
10	64QAM	25	25		20.48	20.57	20.52		0.0254	0.0259	0.0256
10	64QAM	50	0		20.50	20.49	20.57		0.0255	0.0255	0.0259
10	256QAM	1	0		18.49	18.62	18.46		0.0161	0.0166	0.0160
10	256QAM	1	25		18.52	18.37	18.39		0.0162	0.0156	0.0157
10	256QAM	1	49		18.46	18.55	18.41		0.0160	0.0163	0.0158

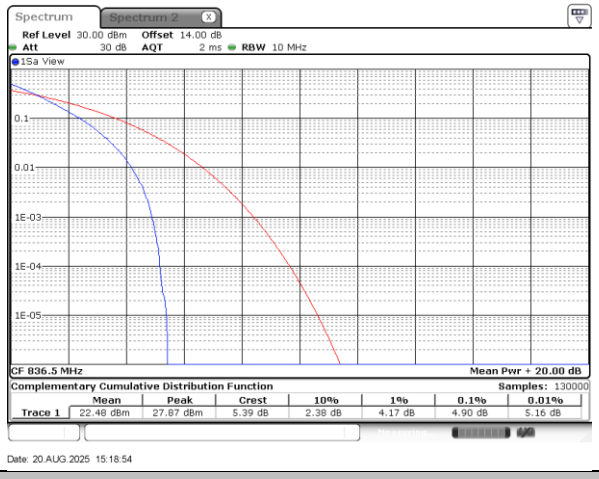
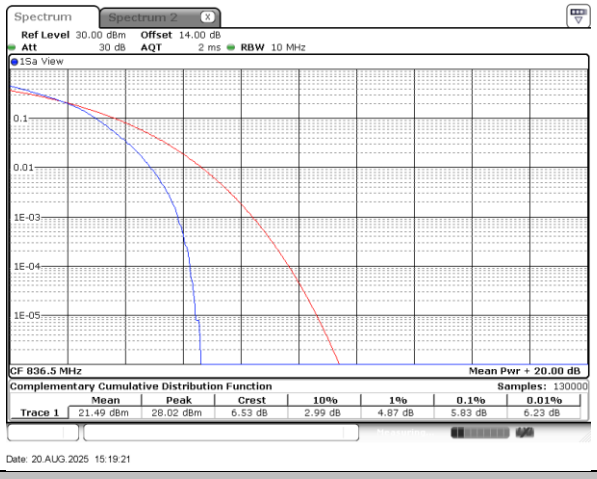
10	256QAM	25	0		18.39	18.58	18.43		0.0157	0.0164	0.0158
10	256QAM	25	12		18.49	18.54	18.48		0.0161	0.0163	0.0160
10	256QAM	25	25		18.46	18.48	18.42		0.0160	0.0160	0.0158
10	256QAM	50	0		18.46	18.55	18.44		0.0160	0.0163	0.0159
Channel					26815	26915	27015		ERP(W)		
Frequency (MHz)					826.5	836.5	846.5		L	M	H
5	QPSK	1	0		23.49	23.58	23.59		0.0508	0.0519	0.0520
5	QPSK	1	12		23.58	23.54	23.57		0.0519	0.0514	0.0518
5	QPSK	1	24		23.45	23.56	23.55		0.0504	0.0516	0.0515
5	QPSK	12	0		22.62	22.67	22.53		0.0416	0.0421	0.0407
5	QPSK	12	7		22.55	22.46	22.49		0.0409	0.0401	0.0404
5	QPSK	12	13		22.57	22.60	22.50		0.0411	0.0414	0.0405
5	QPSK	25	0		22.60	22.54	22.54		0.0414	0.0408	0.0408
5	16QAM	1	0		22.89	22.57	22.47		0.0443	0.0411	0.0402
5	16QAM	1	12		22.94	22.64	23.06		0.0448	0.0418	0.0460
5	16QAM	1	24		22.55	22.48	22.48		0.0409	0.0403	0.0403
5	16QAM	12	0		21.50	21.58	21.58		0.0321	0.0327	0.0327
5	16QAM	12	7		21.68	21.57	21.58		0.0335	0.0327	0.0327
5	16QAM	12	13		21.57	21.54	21.47		0.0327	0.0324	0.0319
5	16QAM	25	0		21.56	21.59	21.55		0.0326	0.0328	0.0325
5	64QAM	1	0		21.72	21.47	21.86		0.0338	0.0319	0.0349
5	64QAM	1	12		21.60	21.66	21.84		0.0329	0.0333	0.0348
5	64QAM	1	24		21.81	21.93	21.32		0.0345	0.0355	0.0308
5	64QAM	12	0		20.57	20.57	20.58		0.0259	0.0259	0.0260
5	64QAM	12	7		20.63	20.61	20.63		0.0263	0.0262	0.0263
5	64QAM	12	13		20.48	20.46	20.44		0.0254	0.0253	0.0252
5	64QAM	25	0		20.53	20.50	20.57		0.0257	0.0255	0.0259
5	256QAM	1	0		18.48	18.62	18.49		0.0160	0.0166	0.0161
5	256QAM	1	12		18.40	18.48	18.37		0.0157	0.0160	0.0156
5	256QAM	1	24		18.43	18.59	18.53		0.0158	0.0164	0.0162
5	256QAM	12	0		18.50	18.50	18.43		0.0161	0.0161	0.0158
5	256QAM	12	7		18.37	18.54	18.44		0.0156	0.0163	0.0159
5	256QAM	12	13		18.55	18.49	18.50		0.0163	0.0161	0.0161
5	256QAM	25	0		18.50	18.60	18.44		0.0161	0.0165	0.0159
Channel					26815	26915	27025		ERP(W)		
Frequency (MHz)					825.5	836.5	847.5		L	M	H
3	QPSK	1	0		23.59	23.65	23.62		0.0520	0.0527	0.0524
3	QPSK	1	8		23.52	23.57	23.59		0.0512	0.0518	0.0520
3	QPSK	1	14		23.48	23.59	23.47		0.0507	0.0520	0.0506
3	QPSK	8	0		22.53	22.57	22.59		0.0407	0.0411	0.0413
3	QPSK	8	4		22.54	22.55	22.53		0.0408	0.0409	0.0407
3	QPSK	8	7		22.49	22.59	22.49		0.0404	0.0413	0.0404
3	QPSK	15	0		22.56	22.59	22.49		0.0410	0.0413	0.0404
3	16QAM	1	0		22.93	22.62	22.52		0.0447	0.0416	0.0406
3	16QAM	1	8		22.89	22.63	23.09		0.0443	0.0417	0.0463
3	16QAM	1	14		22.55	22.48	22.53		0.0409	0.0403	0.0407
3	16QAM	8	0		21.60	21.47	21.49		0.0329	0.0319	0.0321
3	16QAM	8	4		21.57	21.54	21.52		0.0327	0.0324	0.0323
3	16QAM	8	7		21.57	21.43	21.51		0.0327	0.0316	0.0322
3	16QAM	15	0		21.56	21.60	21.62		0.0326	0.0329	0.0330

3	64QAM	1	0		21.79	21.51	21.87		0.0344	0.0322	0.0350
3	64QAM	1	8		21.63	21.64	21.85		0.0331	0.0332	0.0348
3	64QAM	1	14		21.84	21.85	21.40		0.0348	0.0348	0.0314
3	64QAM	8	0		20.52	20.48	20.57		0.0256	0.0254	0.0259
3	64QAM	8	4		20.54	20.57	20.56		0.0258	0.0259	0.0259
3	64QAM	8	7		20.53	20.52	20.52		0.0257	0.0256	0.0256
3	64QAM	15	0		20.60	20.61	20.59		0.0261	0.0262	0.0261
3	256QAM	1	0		18.62	18.64	18.46		0.0166	0.0166	0.0160
3	256QAM	1	8		18.43	18.47	18.41		0.0158	0.0160	0.0158
3	256QAM	1	14		18.55	18.56	18.43		0.0163	0.0163	0.0158
3	256QAM	8	0		18.47	18.50	18.46		0.0160	0.0161	0.0160
3	256QAM	8	4		18.37	18.57	18.42		0.0156	0.0164	0.0158
3	256QAM	8	7		18.45	18.50	18.55		0.0159	0.0161	0.0163
3	256QAM	15	0		18.50	18.49	18.45		0.0161	0.0161	0.0159
Channel					26797	26915	27033		ERP(W)		
Frequency (MHz)					824.7	836.5	848.3		L	M	H
1.4	QPSK	1	0		23.59	23.58	23.63		0.0520	0.0519	0.0525
1.4	QPSK	1	3		23.53	23.52	23.49		0.0513	0.0512	0.0508
1.4	QPSK	1	5		23.47	23.49	23.55		0.0506	0.0508	0.0515
1.4	QPSK	3	0		23.48	23.60	23.52		0.0507	0.0521	0.0512
1.4	QPSK	3	1		23.60	23.51	23.48		0.0521	0.0511	0.0507
1.4	QPSK	3	3		23.44	23.61	23.50		0.0502	0.0522	0.0509
1.4	QPSK	6	0		22.51	22.57	22.56		0.0406	0.0411	0.0410
1.4	16QAM	1	0		22.47	22.51	22.60		0.0402	0.0406	0.0414
1.4	16QAM	1	3		22.55	22.51	22.47		0.0409	0.0406	0.0402
1.4	16QAM	1	5		22.51	22.62	22.59		0.0406	0.0416	0.0413
1.4	16QAM	3	0		22.96	22.65	22.50		0.0450	0.0419	0.0405
1.4	16QAM	3	1		22.90	22.66	22.96		0.0444	0.0420	0.0450
1.4	16QAM	3	3		22.59	22.53	22.48		0.0413	0.0407	0.0403
1.4	16QAM	6	0		21.54	21.50	21.44		0.0324	0.0321	0.0317
1.4	64QAM	1	0		21.55	21.55	21.59		0.0325	0.0325	0.0328
1.4	64QAM	1	3		21.51	21.47	21.45		0.0322	0.0319	0.0318
1.4	64QAM	1	5		21.48	21.58	21.53		0.0320	0.0327	0.0324
1.4	64QAM	3	0		21.83	21.41	21.92		0.0347	0.0315	0.0354
1.4	64QAM	3	1		21.59	21.71	21.88		0.0328	0.0337	0.0351
1.4	64QAM	3	3		21.71	21.95	21.36		0.0337	0.0356	0.0311
1.4	64QAM	6	0		20.63	20.51	20.62		0.0263	0.0256	0.0262
1.4	256QAM	1	0		18.53	18.51	18.59		0.0162	0.0161	0.0164
1.4	256QAM	1	3		18.39	18.50	18.35		0.0157	0.0161	0.0156
1.4	256QAM	1	5		18.49	18.58	18.46		0.0161	0.0164	0.0160
1.4	256QAM	3	0		18.39	18.56	18.39		0.0157	0.0163	0.0157
1.4	256QAM	3	1		18.48	18.50	18.37		0.0160	0.0161	0.0156
1.4	256QAM	3	3		18.50	18.52	18.43		0.0161	0.0162	0.0158
1.4	256QAM	6	0		18.44	18.48	18.41		0.0159	0.0160	0.0158

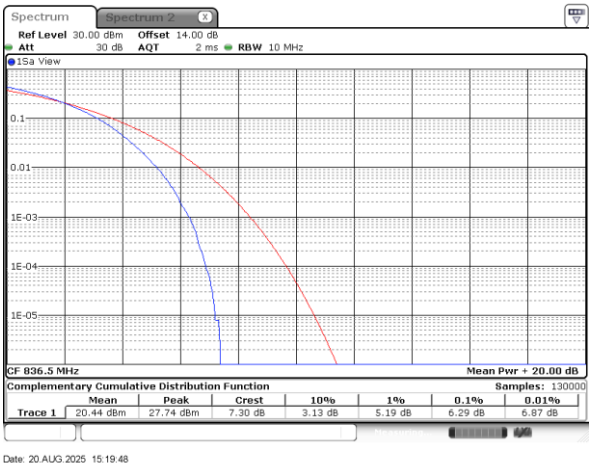
LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.83	6.29	PASS

LTE Band 5 / 10MHz / QPSK	LTE Band 5 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

LTE Band 5 / 10MHz / 64QAM
Middle Channel / Full RB

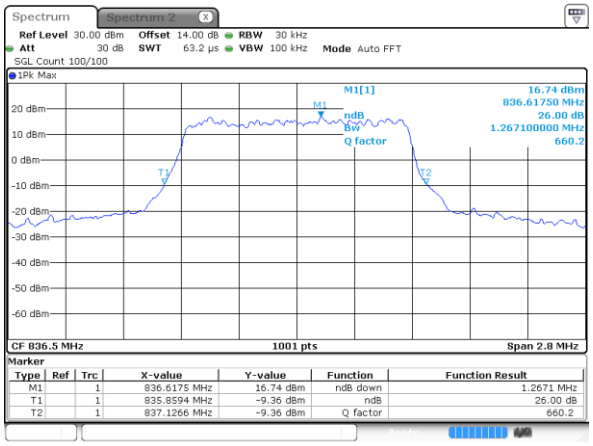


26dB Bandwidth

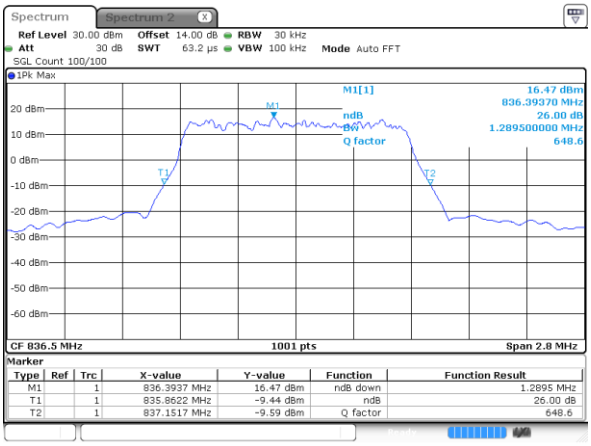
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.29	2.99	2.96	4.87	4.86	9.89	9.63	-	-	-	-

LTE Band 5

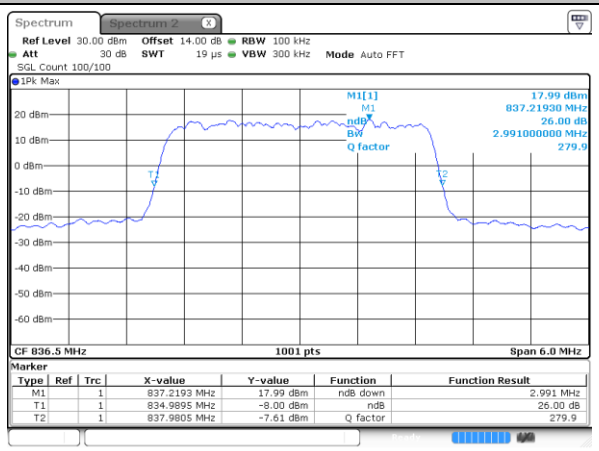
Middle Channel / 1.4MHz / QPSK



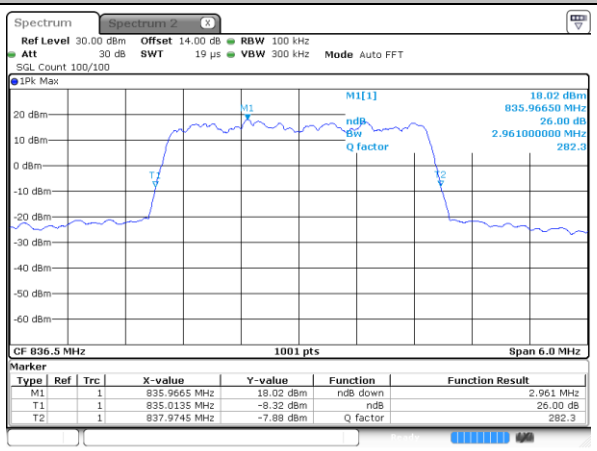
Middle Channel / 1.4MHz / 16QAM



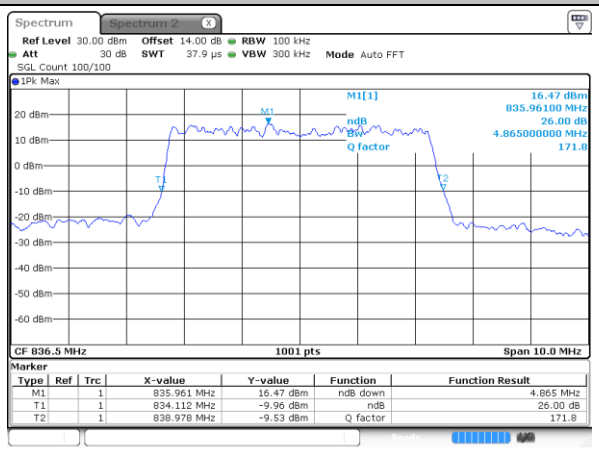
Middle Channel / 3MHz / QPSK



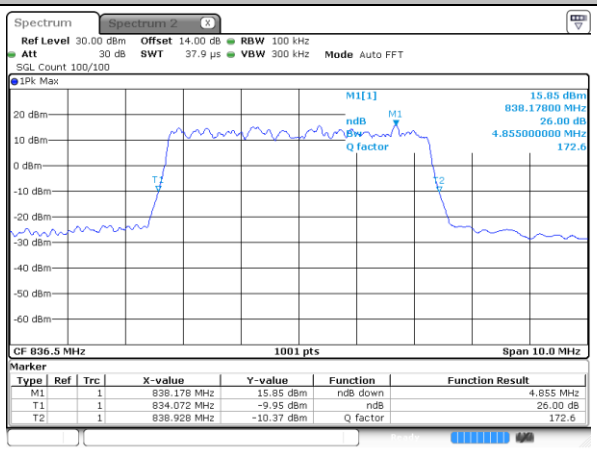
Middle Channel / 3MHz / 16QAM



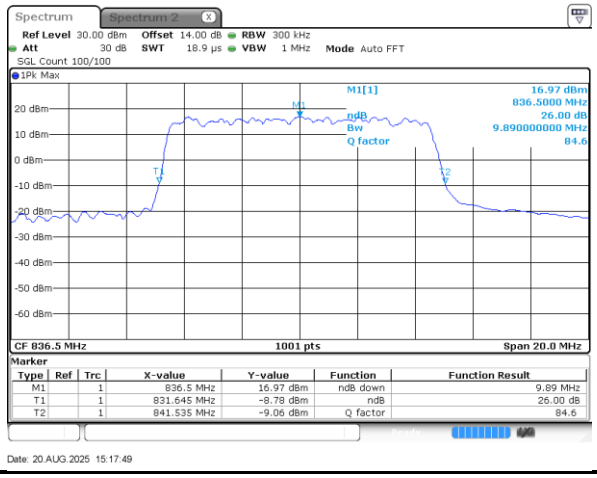
Middle Channel / 5MHz / QPSK

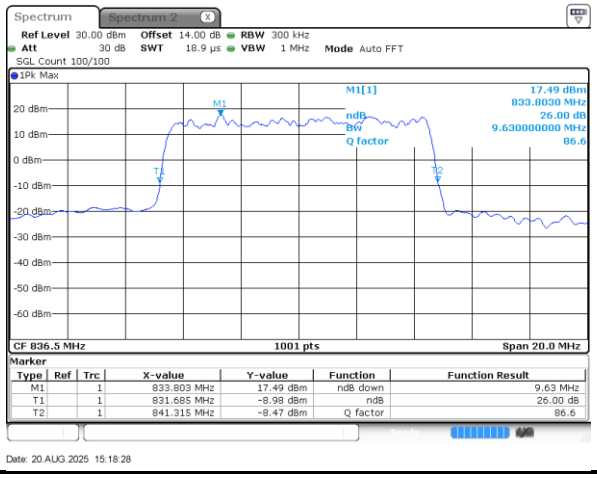


Middle Channel / 5MHz / 16QAM



LTE Band 5	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM



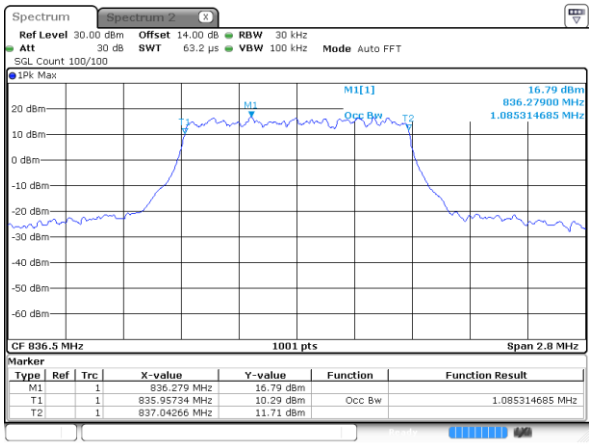


Occupied Bandwidth

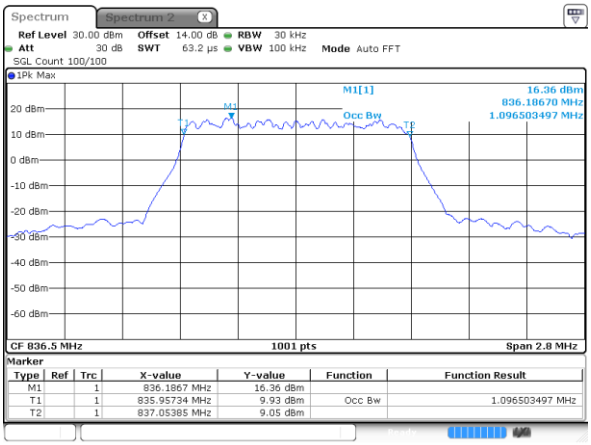
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.72	2.72	4.51	4.48	9.05	9.03	-	-	-	-

LTE Band 5

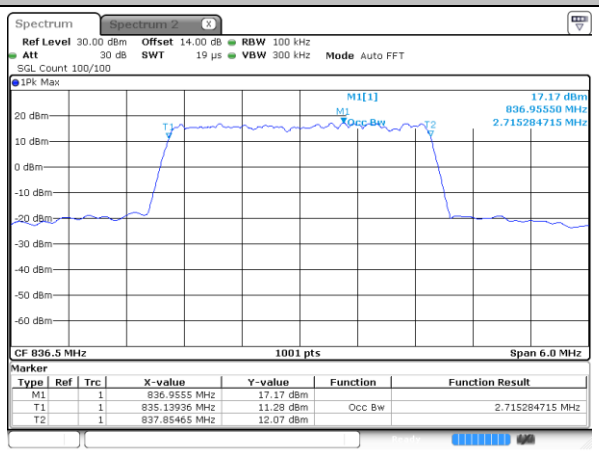
Middle Channel / 1.4MHz / QPSK



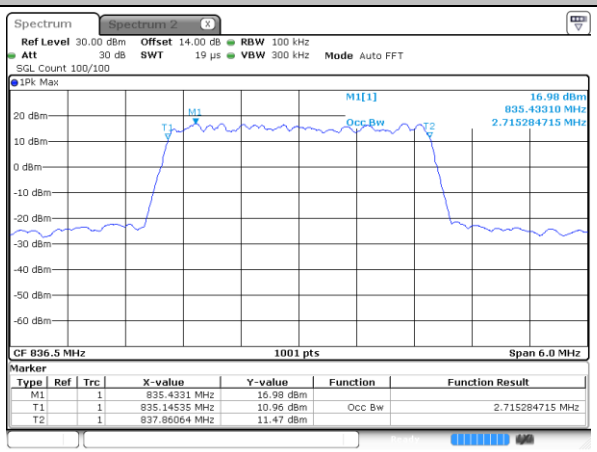
Middle Channel / 1.4MHz / 16QAM



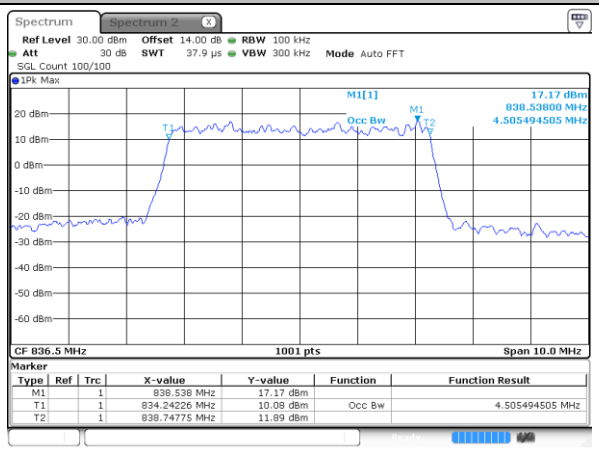
Middle Channel / 3MHz / QPSK



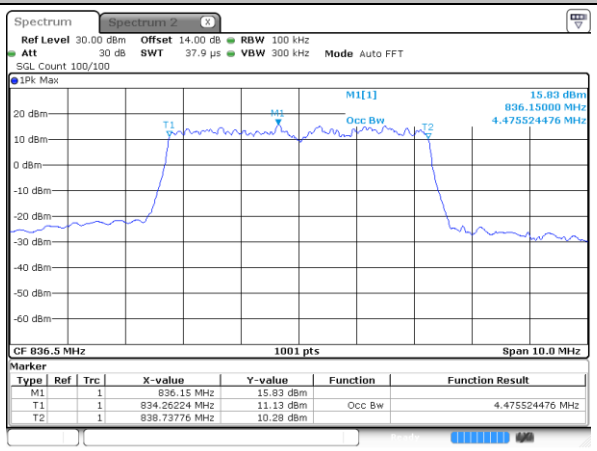
Middle Channel / 3MHz / 16QAM



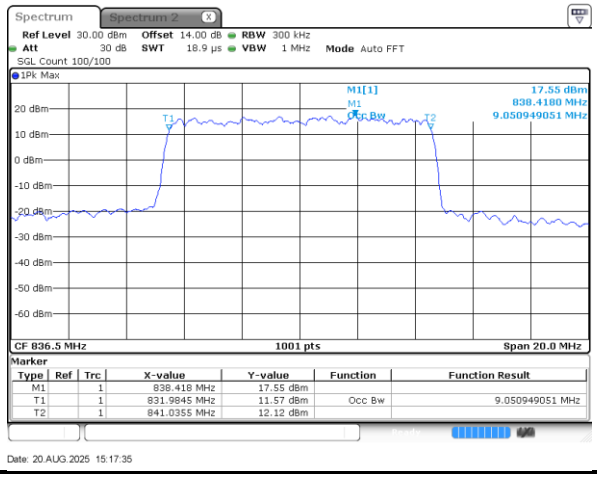
Middle Channel / 5MHz / QPSK

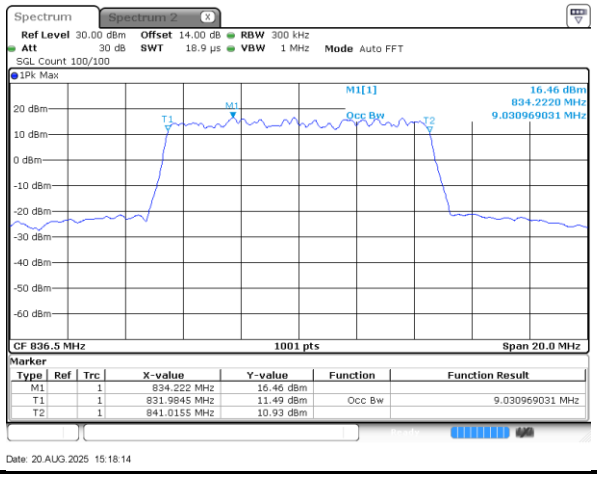


Middle Channel / 5MHz / 16QAM



LTE Band 5	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM

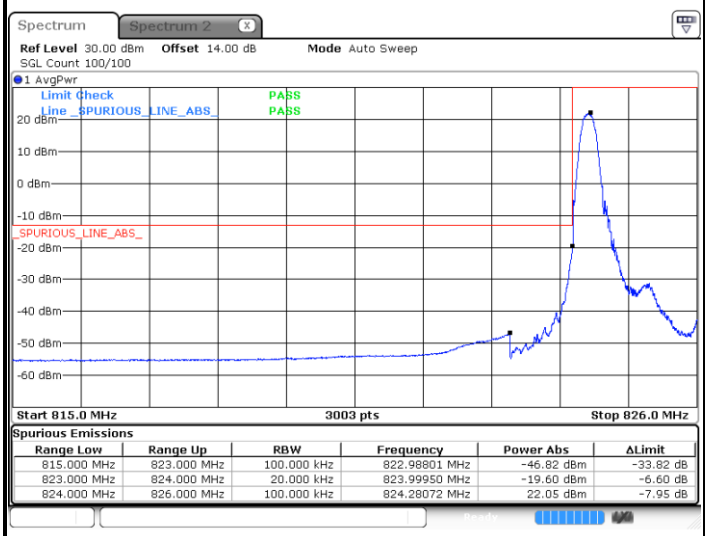




Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

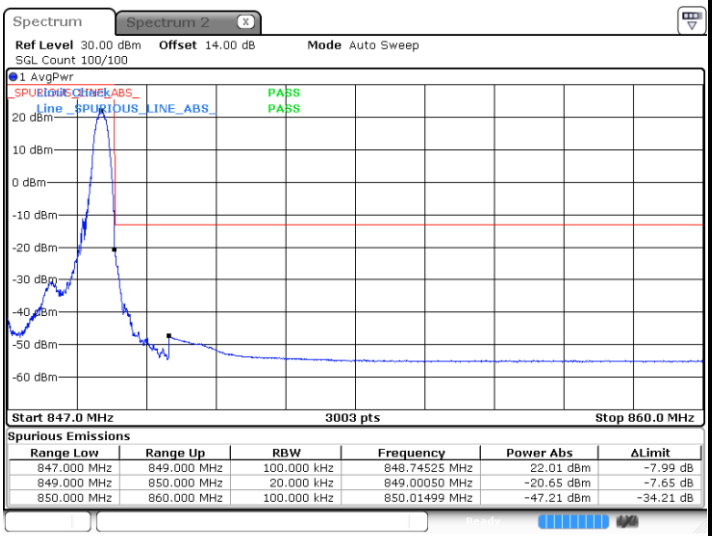


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-46.82 dBm	-33.82 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-19.60 dBm	-6.60 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.28072 MHz	22.05 dBm	-7.95 dB

Date: 20.AUG.2025 14:29:11

Highest Band Edge / 1RB

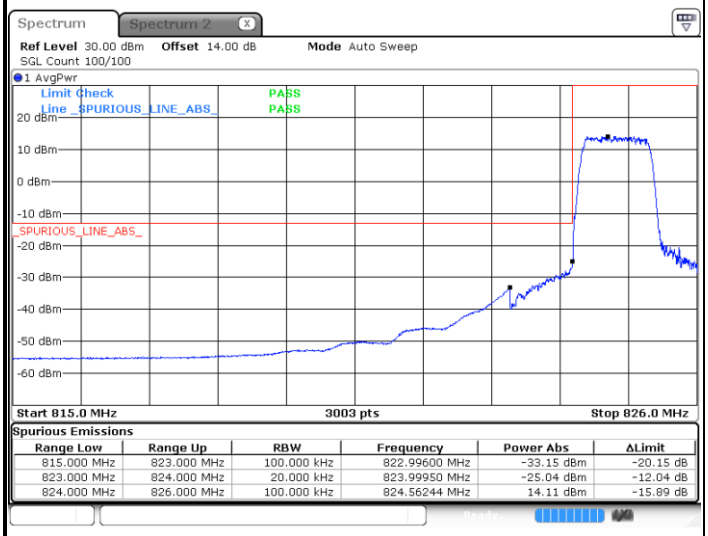


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.74525 MHz	22.01 dBm	-7.99 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-20.65 dBm	-7.65 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-47.21 dBm	-34.21 dB

Date: 20.AUG.2025 16:37:47

Lowest Band Edge / Full RB

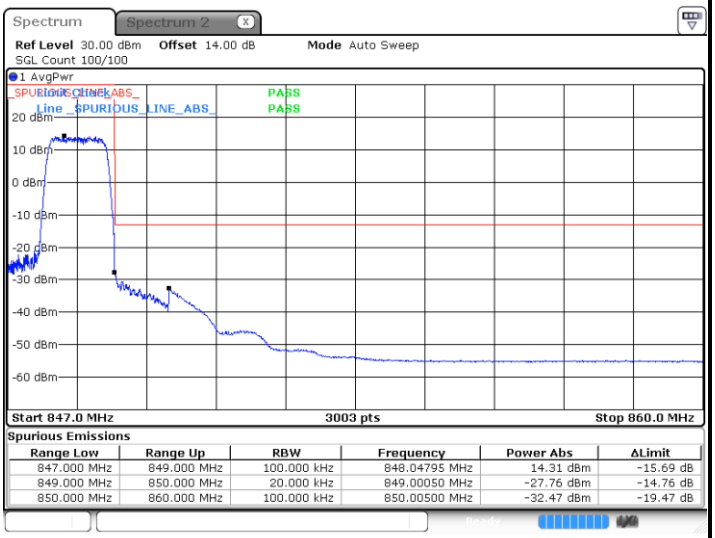


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-33.15 dBm	-20.15 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-25.04 dBm	-12.04 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.56244 MHz	14.11 dBm	-15.89 dB

Date: 20.AUG.2025 14:31:22

Highest Band Edge / Full RB



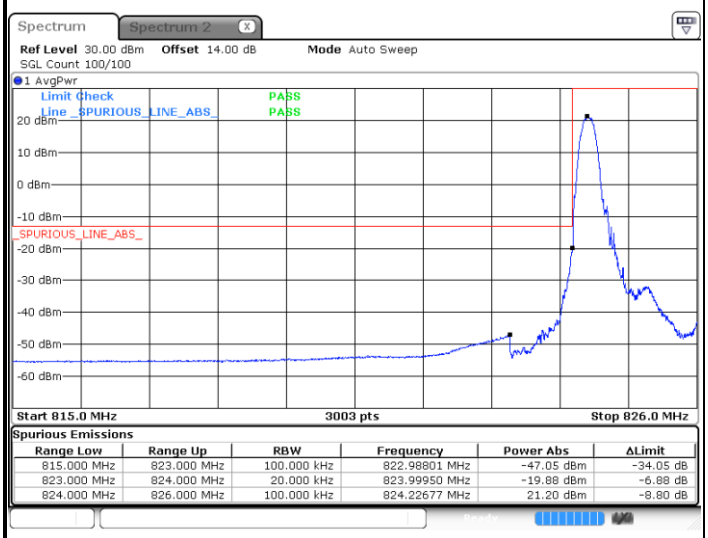
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.04795 MHz	14.31 dBm	-15.69 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-27.76 dBm	-14.76 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-32.47 dBm	-19.47 dB

Date: 20.AUG.2025 16:40:27

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

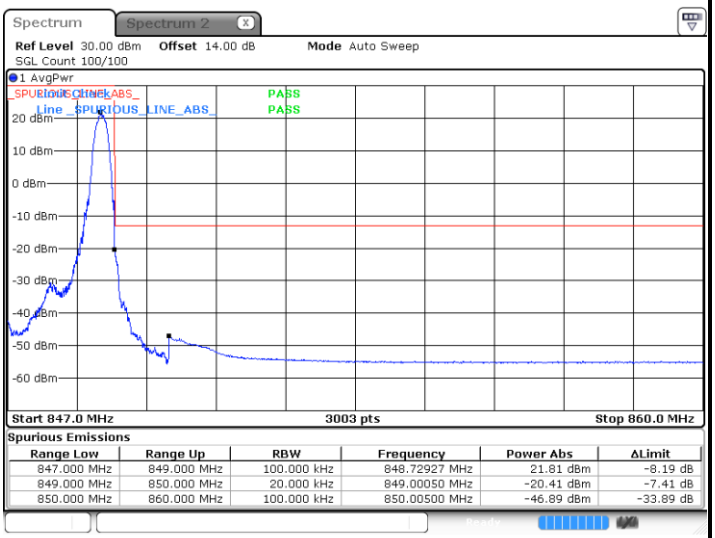


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-47.05 dBm	-34.05 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-19.88 dBm	-6.88 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22677 MHz	21.20 dBm	-8.80 dB

Date: 20.AUG.2025 14:29:54

Highest Band Edge / 1 RB

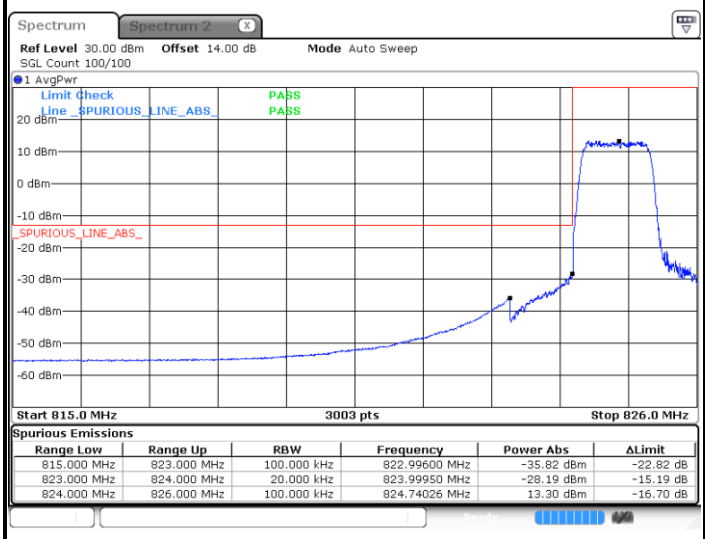


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.72927 MHz	21.81 dBm	-8.19 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-20.41 dBm	-7.41 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-46.89 dBm	-33.89 dB

Date: 20.AUG.2025 16:38:43

Lowest Band Edge / Full RB

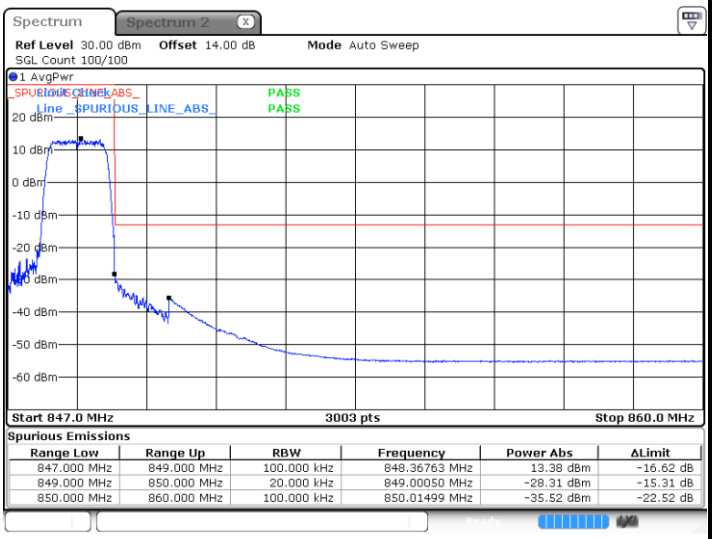


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-35.82 dBm	-22.82 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-28.19 dBm	-15.19 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.74026 MHz	13.30 dBm	-16.70 dB

Date: 20.AUG.2025 14:32:05

Highest Band Edge / Full RB



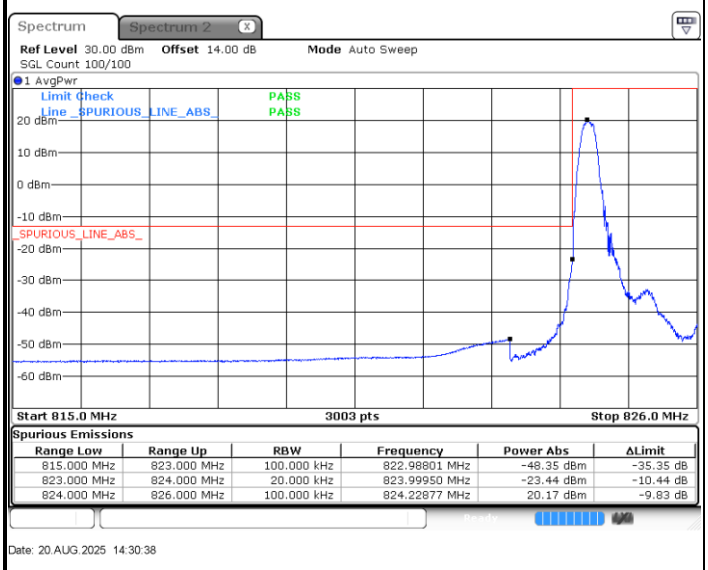
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.36763 MHz	13.38 dBm	-16.62 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-28.31 dBm	-15.31 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-35.52 dBm	-22.52 dB

Date: 20.AUG.2025 16:41:17

LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

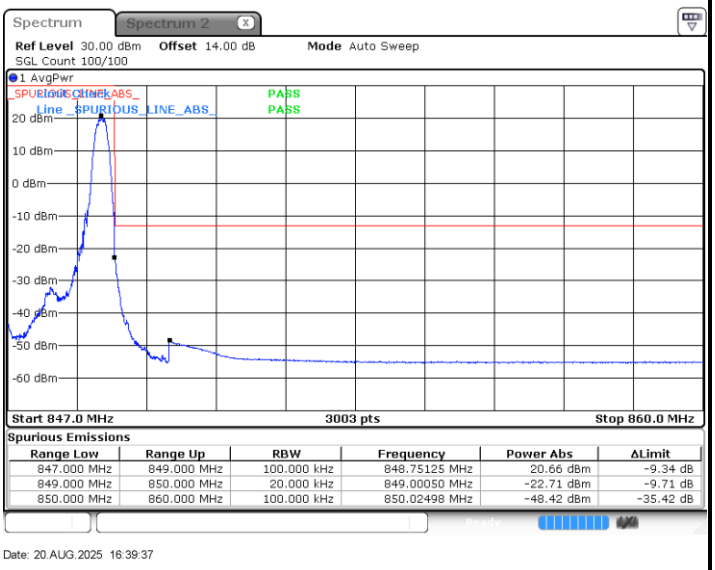


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-48.35 dBm	-35.35 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-23.44 dBm	-10.44 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22877 MHz	20.17 dBm	-9.83 dB

Date: 20.AUG.2025 14:30:38

Highest Band Edge / 1 RB

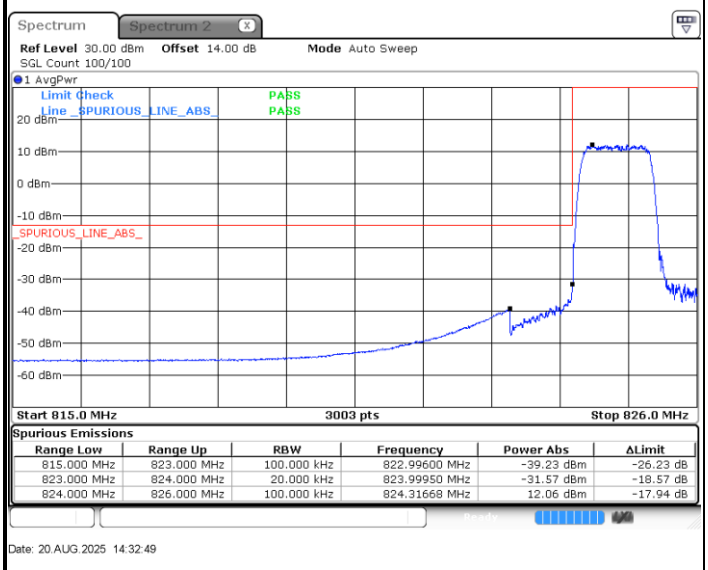


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75125 MHz	20.66 dBm	-9.34 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-22.71 dBm	-9.71 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-48.42 dBm	-35.42 dB

Date: 20.AUG.2025 16:39:37

Lowest Band Edge / Full RB

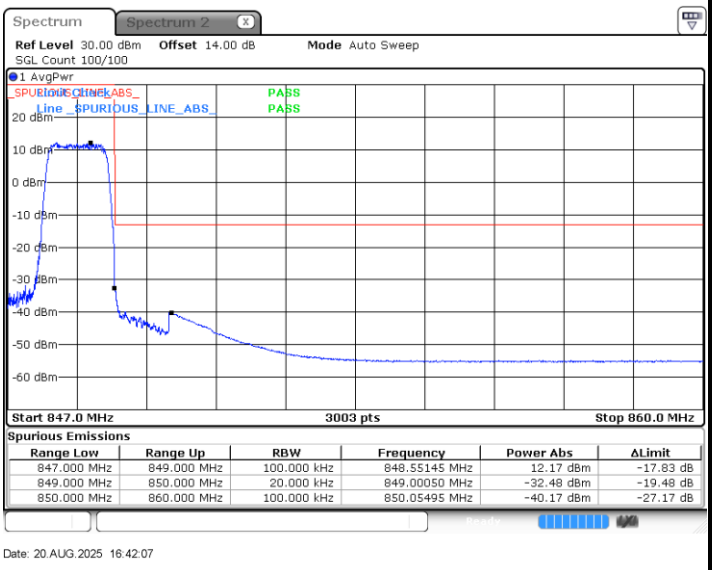


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-39.23 dBm	-26.23 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-31.57 dBm	-18.57 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.31668 MHz	12.06 dBm	-17.94 dB

Date: 20.AUG.2025 14:32:49

Highest Band Edge / Full RB



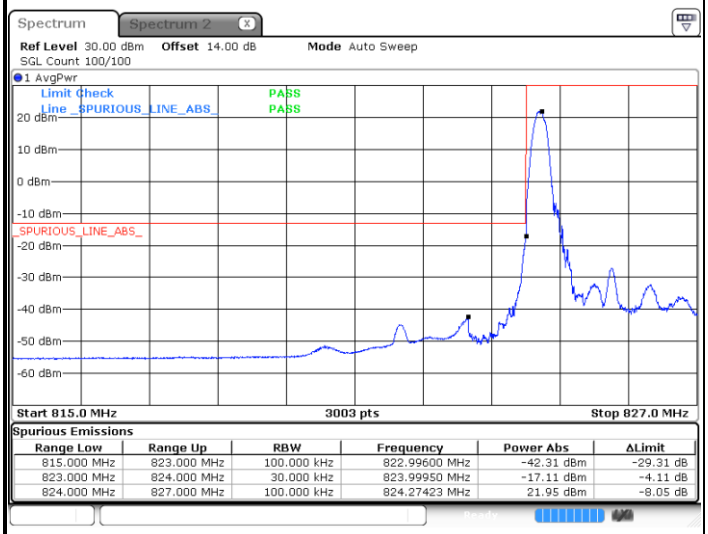
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.55145 MHz	12.17 dBm	-17.83 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-32.48 dBm	-19.48 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-40.17 dBm	-27.17 dB

Date: 20.AUG.2025 16:42:07

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

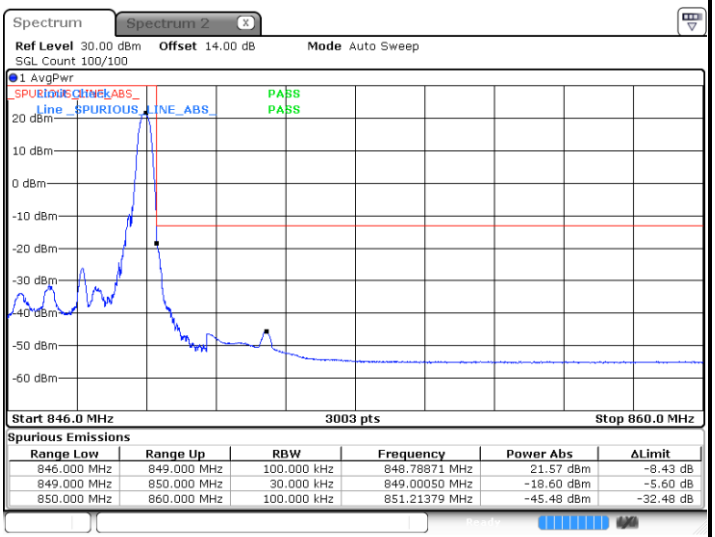


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-42.31 dBm	-29.31 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-17.11 dBm	-4.11 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.27423 MHz	21.95 dBm	-8.05 dB

Date: 20.AUG.2025 14:43:18

Highest Band Edge / 1RB

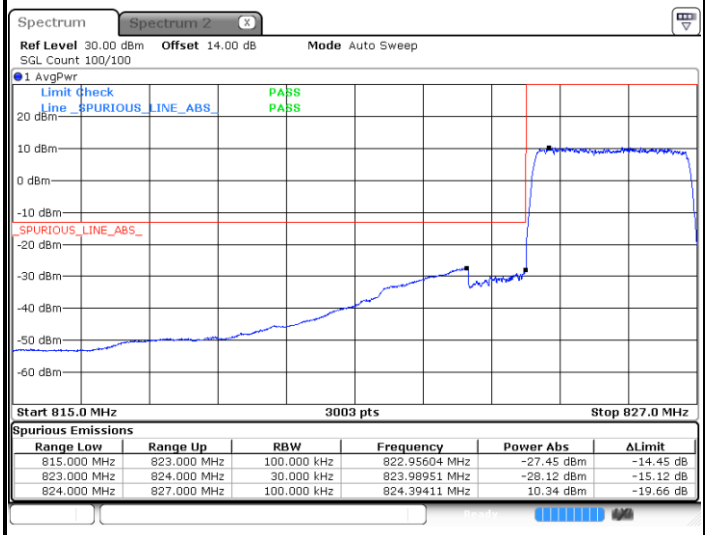


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.78871 MHz	21.57 dBm	-8.43 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-18.60 dBm	-5.60 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.21379 MHz	-45.48 dBm	-32.48 dB

Date: 20.AUG.2025 16:44:06

Lowest Band Edge / Full RB

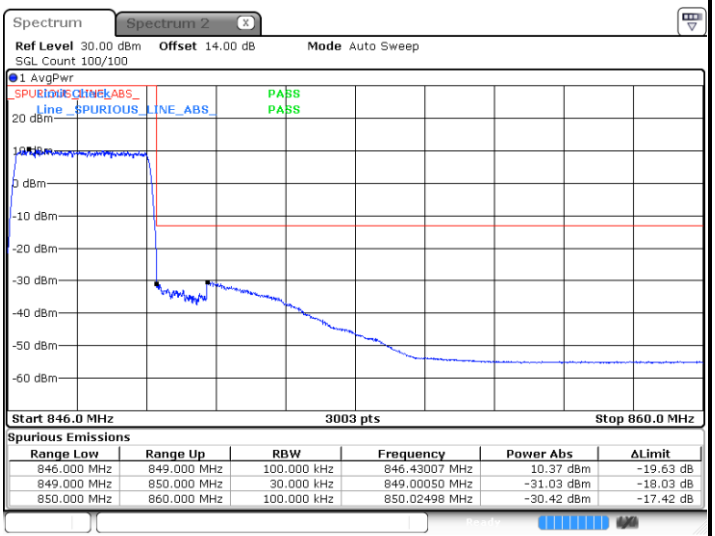


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-27.45 dBm	-14.45 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.98951 MHz	-28.12 dBm	-15.12 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.39411 MHz	10.34 dBm	-19.66 dB

Date: 20.AUG.2025 14:45:28

Highest Band Edge / Full RB



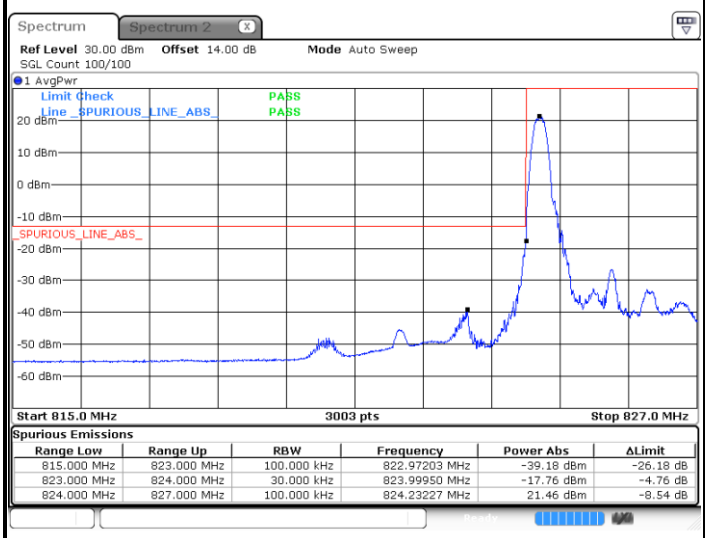
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.43007 MHz	10.37 dBm	-19.63 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-31.03 dBm	-18.03 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-30.42 dBm	-17.42 dB

Date: 20.AUG.2025 16:48:00

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

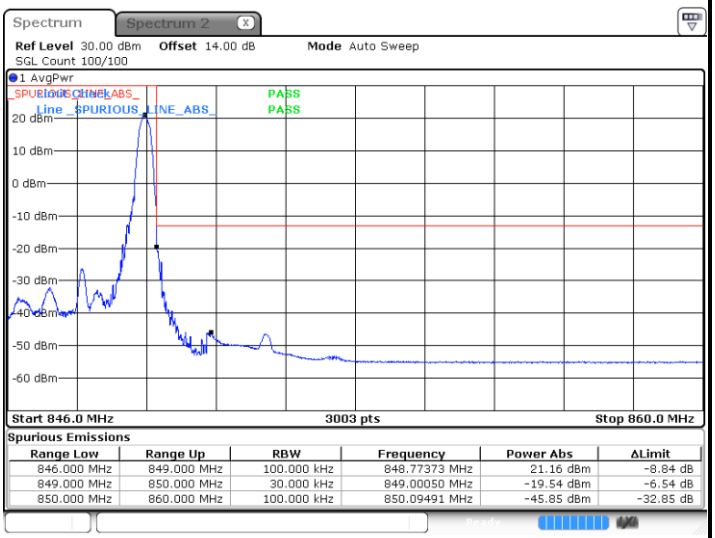


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-39.18 dBm	-26.18 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-17.76 dBm	-4.76 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.23227 MHz	21.46 dBm	-8.54 dB

Date: 20.AUG.2025 14:44:01

Highest Band Edge / 1 RB

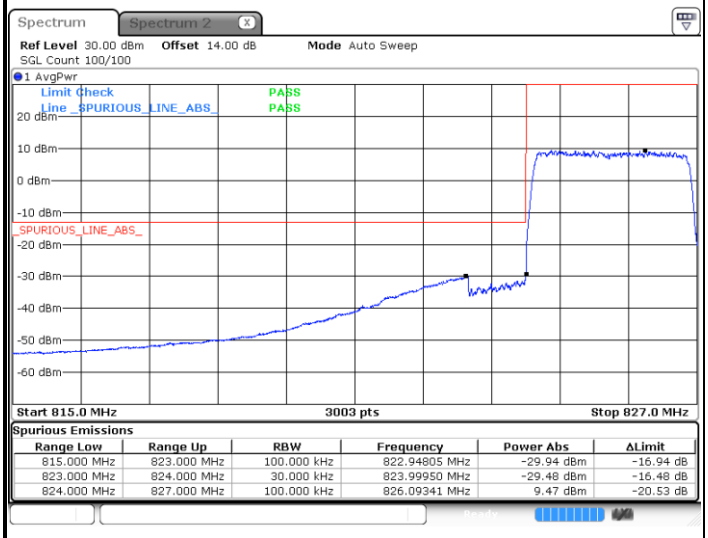


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.77373 MHz	21.16 dBm	-8.84 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-19.54 dBm	-6.54 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.09491 MHz	-45.85 dBm	-32.85 dB

Date: 20.AUG.2025 16:46:09

Lowest Band Edge / Full RB

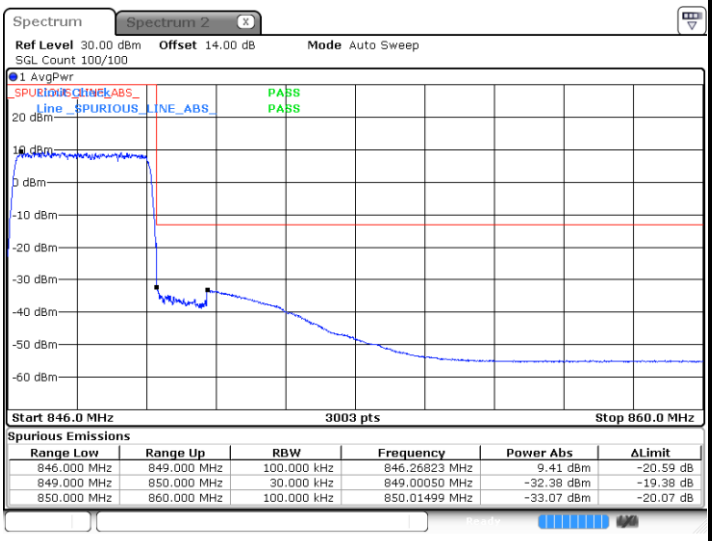


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94805 MHz	-29.94 dBm	-16.94 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-29.48 dBm	-16.48 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.09341 MHz	9.47 dBm	-20.53 dB

Date: 20.AUG.2025 14:46:12

Highest Band Edge / Full RB



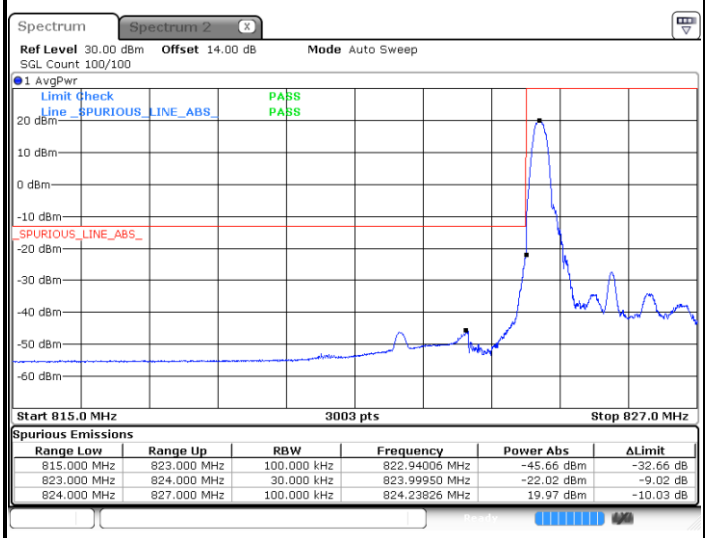
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.26823 MHz	9.41 dBm	-20.59 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-32.38 dBm	-19.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-33.07 dBm	-20.07 dB

Date: 20.AUG.2025 16:48:53

LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

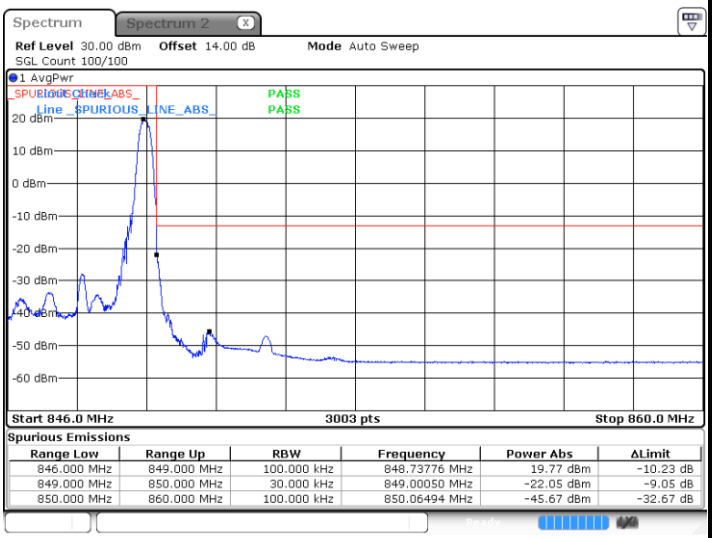


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94006 MHz	-45.66 dBm	-32.66 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-22.02 dBm	-9.02 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.23826 MHz	19.97 dBm	-10.03 dB

Date: 20.AUG.2025 14:44:45

Highest Band Edge / 1 RB

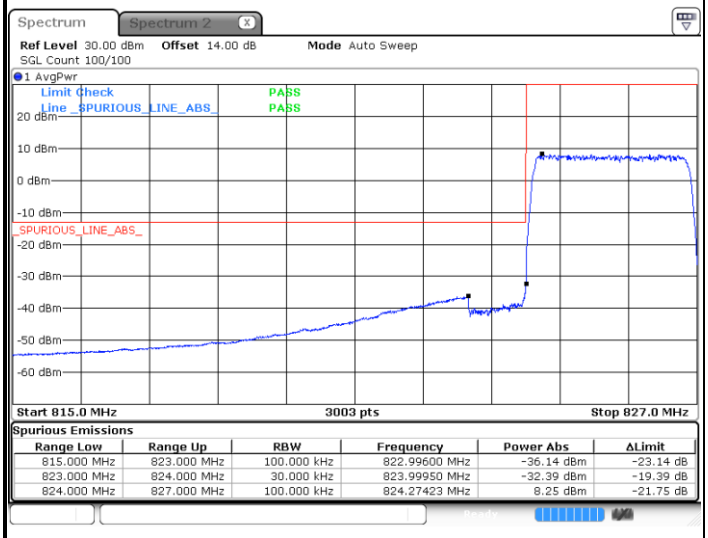


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.73776 MHz	19.77 dBm	-10.23 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-22.05 dBm	-9.05 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.06494 MHz	-45.67 dBm	-32.67 dB

Date: 20.AUG.2025 16:47:04

Lowest Band Edge / Full RB

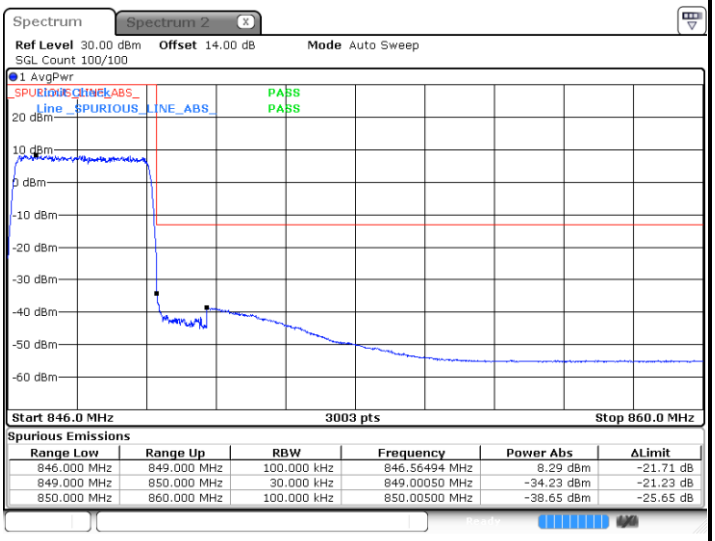


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-36.14 dBm	-23.14 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-32.39 dBm	-19.39 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.27423 MHz	8.25 dBm	-21.75 dB

Date: 20.AUG.2025 14:46:55

Highest Band Edge / Full RB



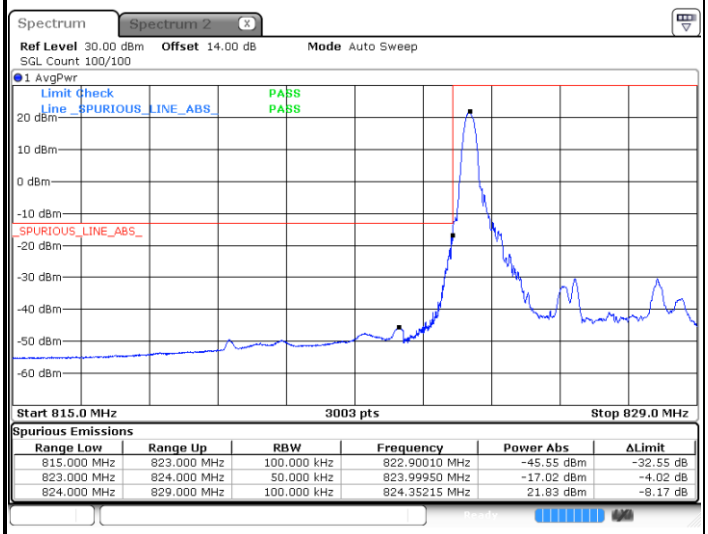
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.56494 MHz	8.29 dBm	-21.71 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-34.23 dBm	-21.23 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-38.65 dBm	-25.65 dB

Date: 20.AUG.2025 16:49:47

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1RB

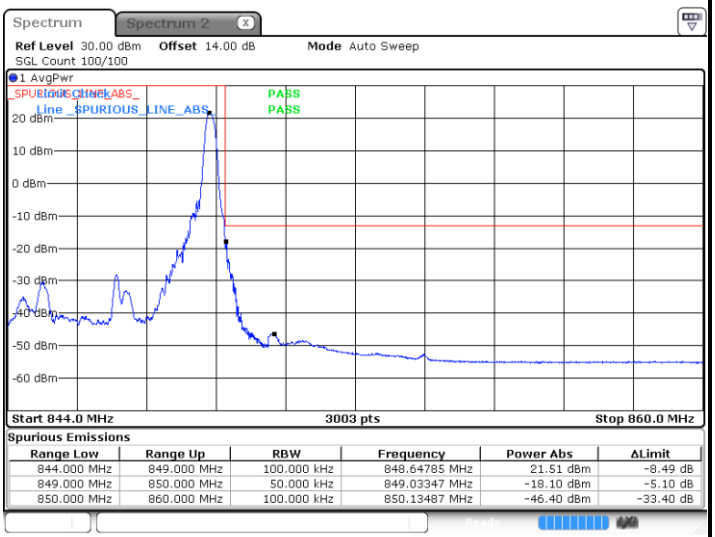


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90010 MHz	-45.55 dBm	-32.55 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-17.02 dBm	-4.02 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.35215 MHz	21.83 dBm	-8.17 dB

Date: 20.AUG.2025 14:57:24

Highest Band Edge / 1RB

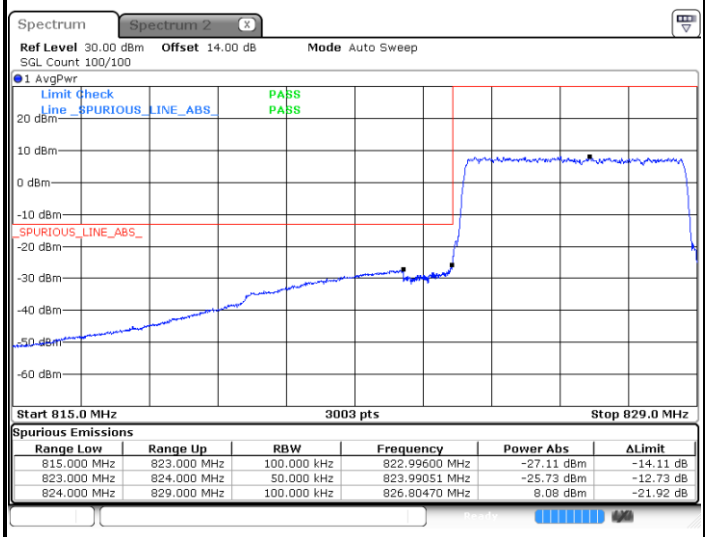


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.64785 MHz	21.51 dBm	-8.49 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.03347 MHz	-18.10 dBm	-5.10 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.13487 MHz	-46.40 dBm	-33.40 dB

Date: 20.AUG.2025 16:53:25

Lowest Band Edge / Full RB

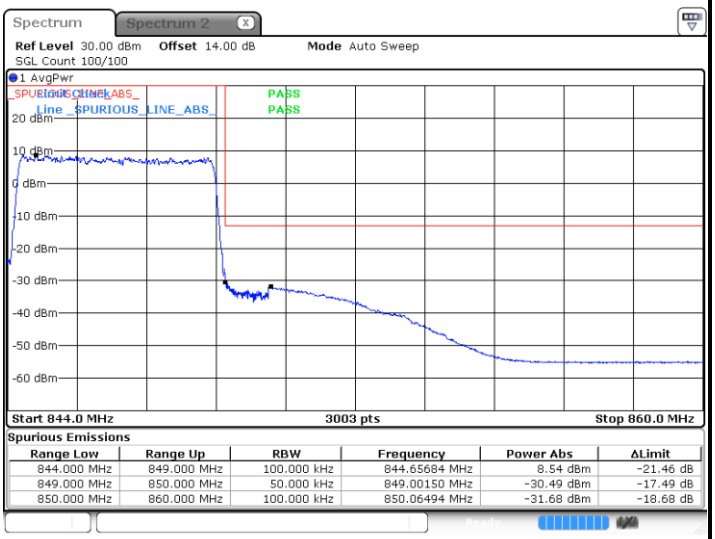


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-27.11 dBm	-14.11 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99051 MHz	-25.73 dBm	-12.73 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.80470 MHz	8.08 dBm	-21.92 dB

Date: 20.AUG.2025 14:59:35

Highest Band Edge / Full RB



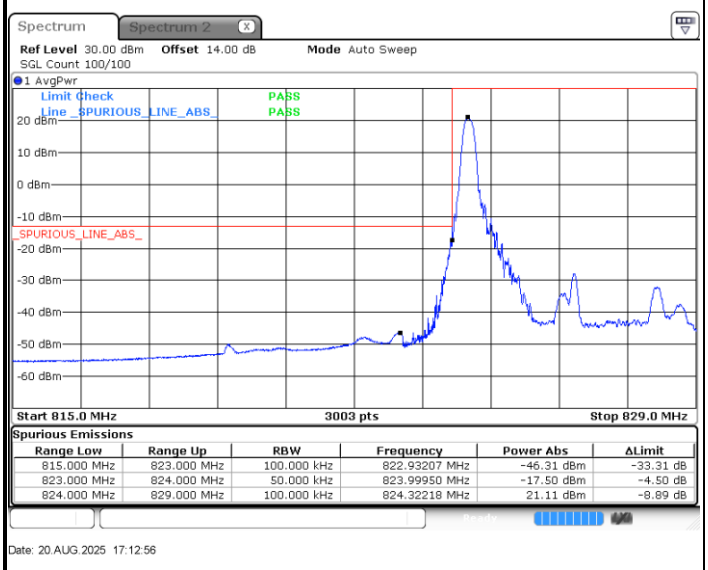
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.65684 MHz	8.54 dBm	-21.46 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00150 MHz	-30.49 dBm	-17.49 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.06494 MHz	-31.68 dBm	-18.68 dB

Date: 20.AUG.2025 16:55:12

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

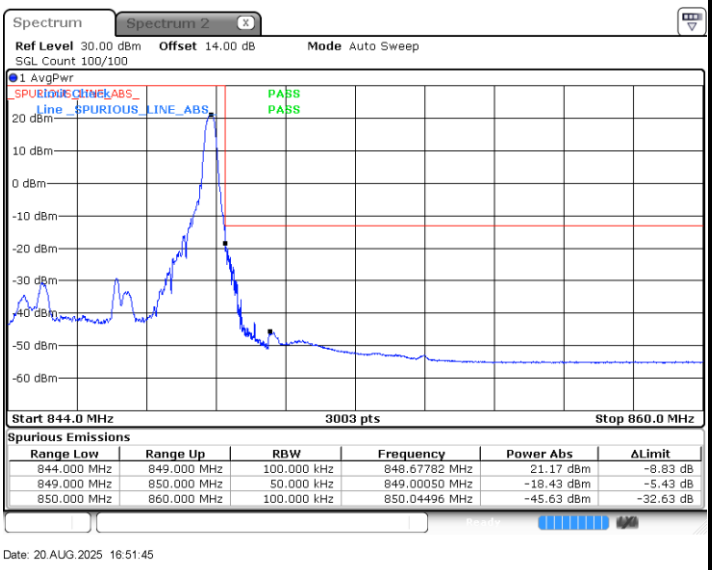


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.93207 MHz	-46.31 dBm	-33.31 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-17.50 dBm	-4.50 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.32218 MHz	21.11 dBm	-8.89 dB

Date: 20.AUG.2025 17:12:56

Highest Band Edge / 1 RB

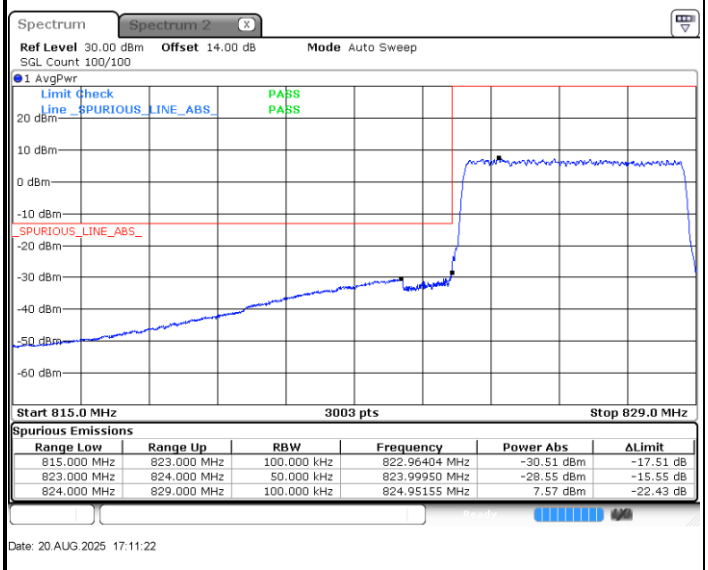


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67782 MHz	21.17 dBm	-8.83 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-18.43 dBm	-5.43 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.04496 MHz	-45.63 dBm	-32.63 dB

Date: 20.AUG.2025 16:51:45

Lowest Band Edge / Full RB

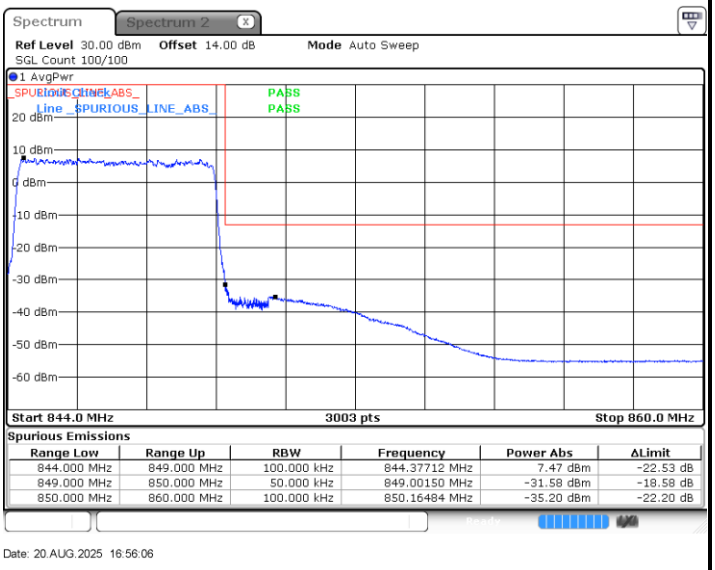


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-30.51 dBm	-17.51 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-28.55 dBm	-15.55 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.95155 MHz	7.57 dBm	-22.43 dB

Date: 20.AUG.2025 17:11:22

Highest Band Edge / Full RB



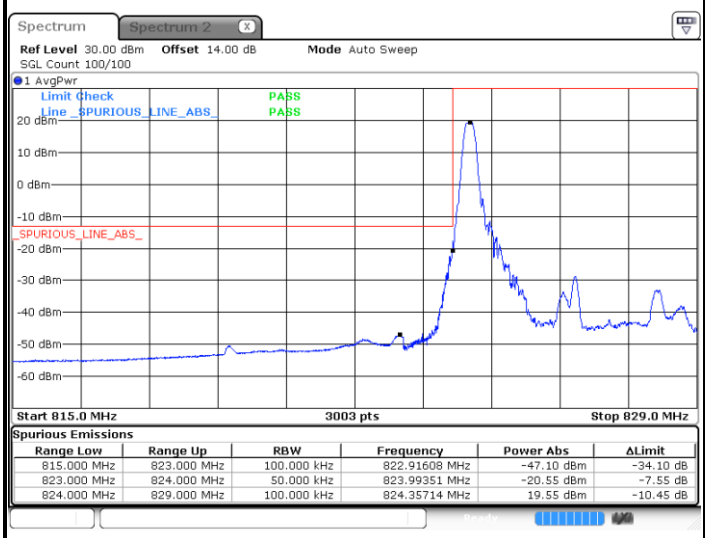
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.37712 MHz	7.47 dBm	-22.53 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00150 MHz	-31.58 dBm	-18.58 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.16484 MHz	-35.20 dBm	-22.20 dB

Date: 20.AUG.2025 16:56:06

LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

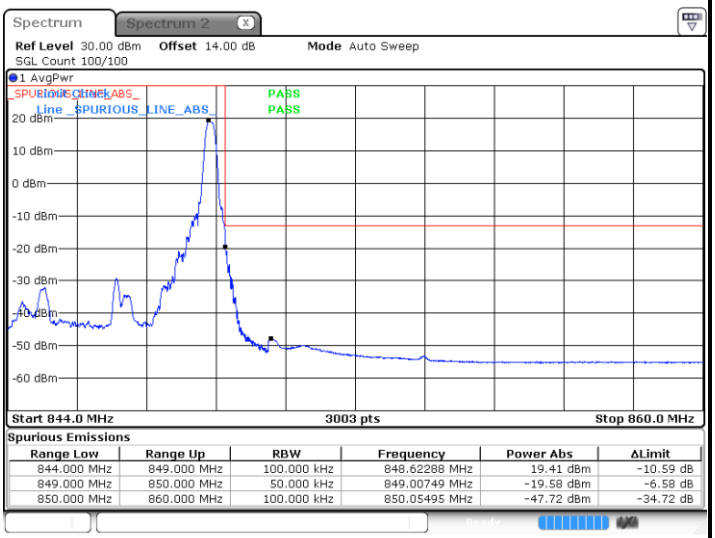


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.91608 MHz	-47.10 dBm	-34.10 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99351 MHz	-20.55 dBm	-7.55 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.35714 MHz	19.55 dBm	-10.45 dB

Date: 20.AUG.2025 14:58:51

Highest Band Edge / 1 RB

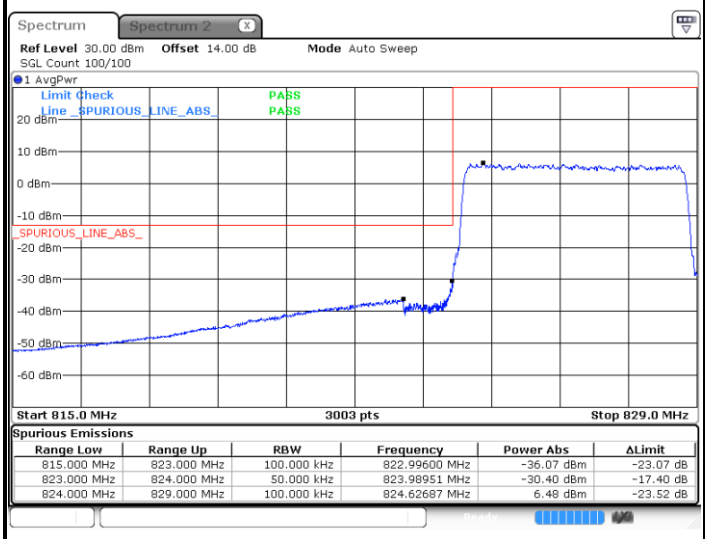


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.62288 MHz	19.41 dBm	-10.59 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00749 MHz	-19.58 dBm	-6.58 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-47.72 dBm	-34.72 dB

Date: 20.AUG.2025 16:54:19

Lowest Band Edge / Full RB

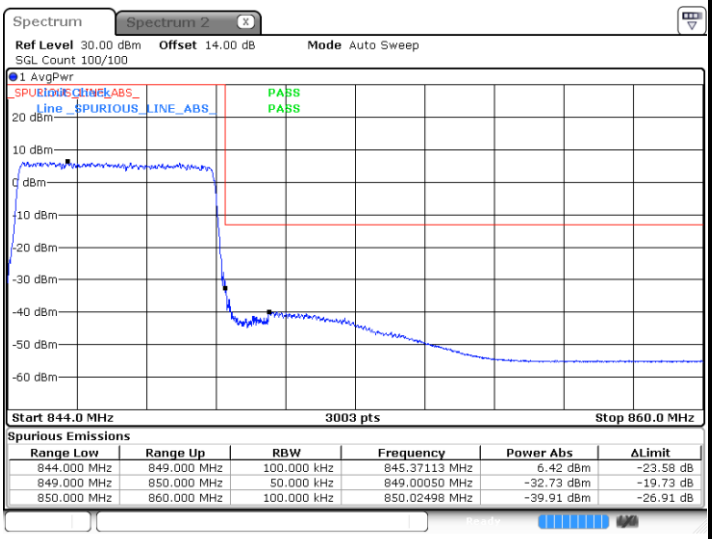


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-36.07 dBm	-23.07 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.98951 MHz	-30.40 dBm	-17.40 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.62687 MHz	6.48 dBm	-23.52 dB

Date: 20.AUG.2025 15:01:02

Highest Band Edge / Full RB



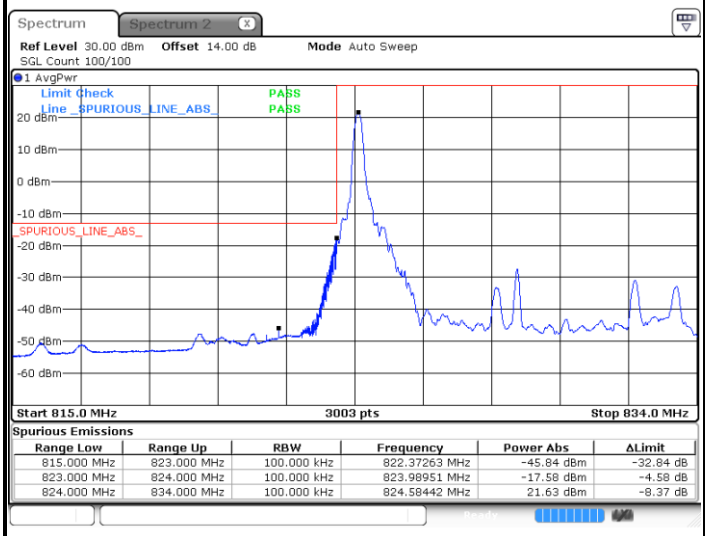
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.37113 MHz	6.42 dBm	-23.58 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-32.73 dBm	-19.73 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-39.91 dBm	-26.91 dB

Date: 20.AUG.2025 16:56:59

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1RB

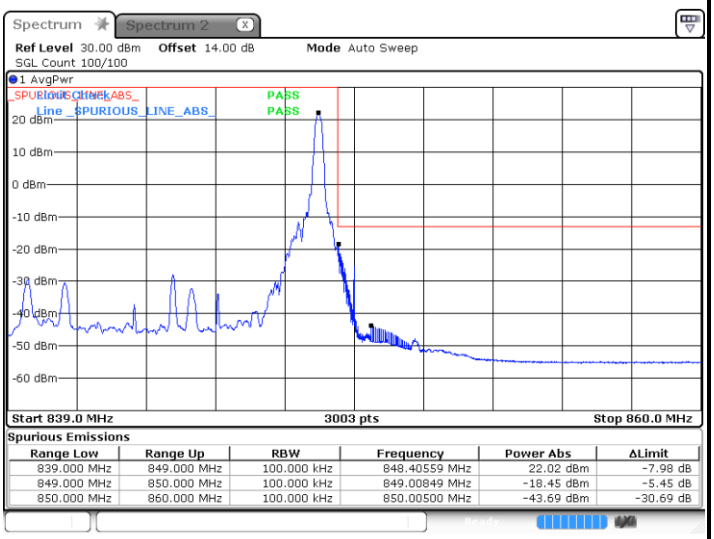


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.37263 MHz	-45.84 dBm	-32.84 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98951 MHz	-17.58 dBm	-4.58 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.58442 MHz	21.63 dBm	-8.37 dB

Date: 20.AUG.2025 15:11:32

Highest Band Edge / 1RB

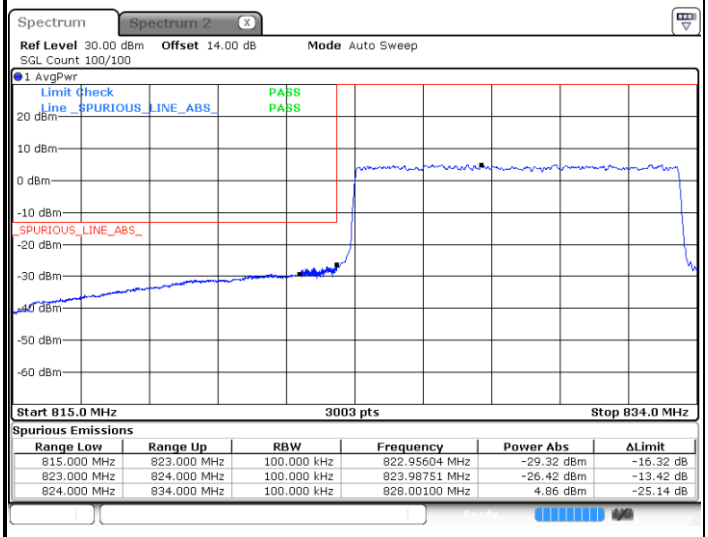


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	22.02 dBm	-7.98 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00849 MHz	-18.45 dBm	-5.45 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-43.69 dBm	-30.69 dB

Date: 20.AUG.2025 17:15:12

Lowest Band Edge / Full RB

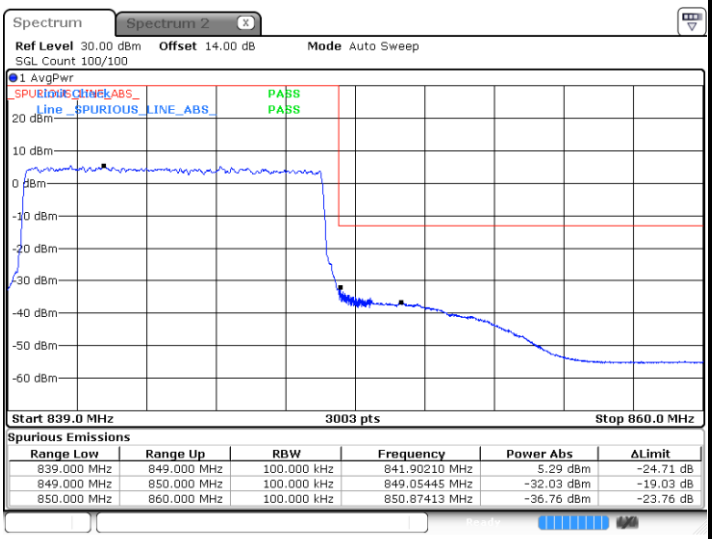


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-29.32 dBm	-16.32 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98751 MHz	-26.42 dBm	-13.42 dB
824.000 MHz	834.000 MHz	100.000 kHz	828.00100 MHz	4.86 dBm	-25.14 dB

Date: 20.AUG.2025 15:13:43

Highest Band Edge / Full RB



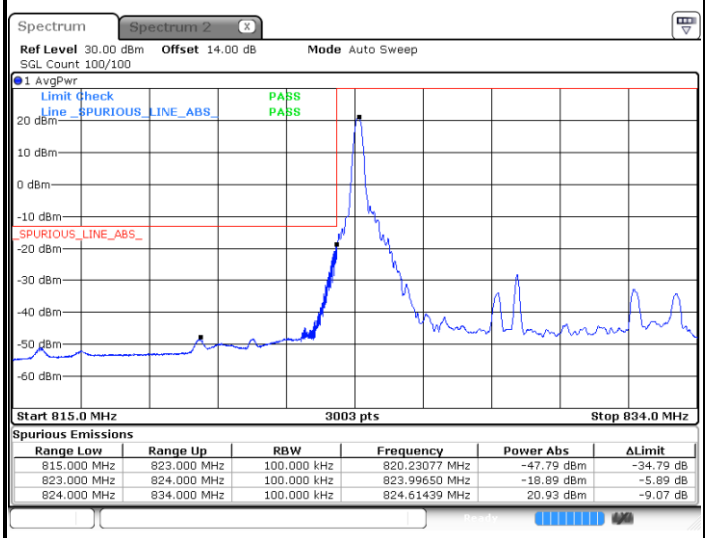
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	841.90210 MHz	5.29 dBm	-24.71 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.05445 MHz	-32.03 dBm	-19.03 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.87413 MHz	-36.76 dBm	-23.76 dB

Date: 20.AUG.2025 17:00:41

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

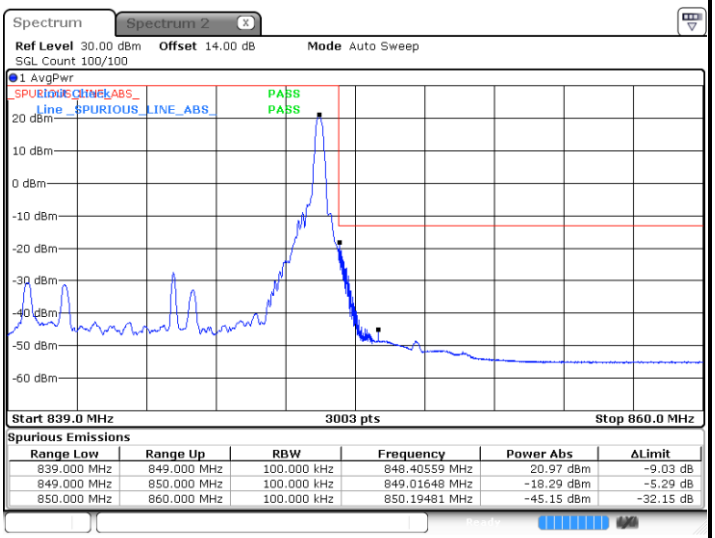


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.23077 MHz	-47.79 dBm	-34.79 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99650 MHz	-18.89 dBm	-5.89 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.61439 MHz	20.93 dBm	-9.07 dB

Date: 20.AUG.2025 15:12:16

Highest Band Edge / 1 RB

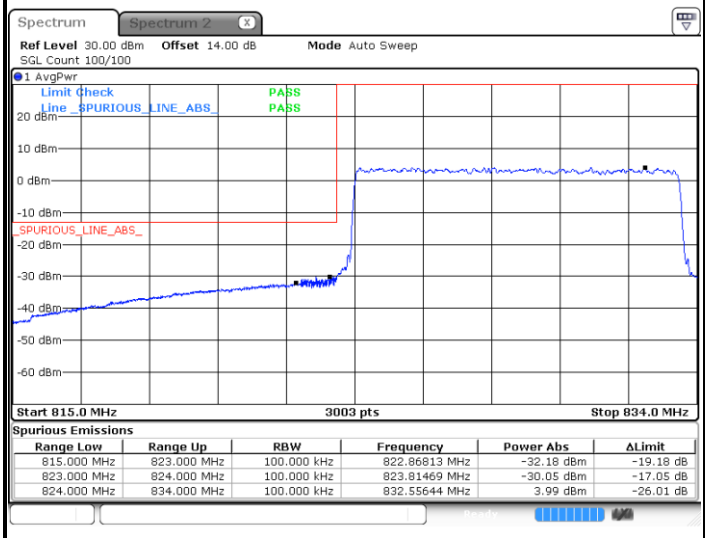


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	20.97 dBm	-9.03 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.01648 MHz	-18.29 dBm	-5.29 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.19481 MHz	-45.15 dBm	-32.15 dB

Date: 20.AUG.2025 16:58:54

Lowest Band Edge / Full RB

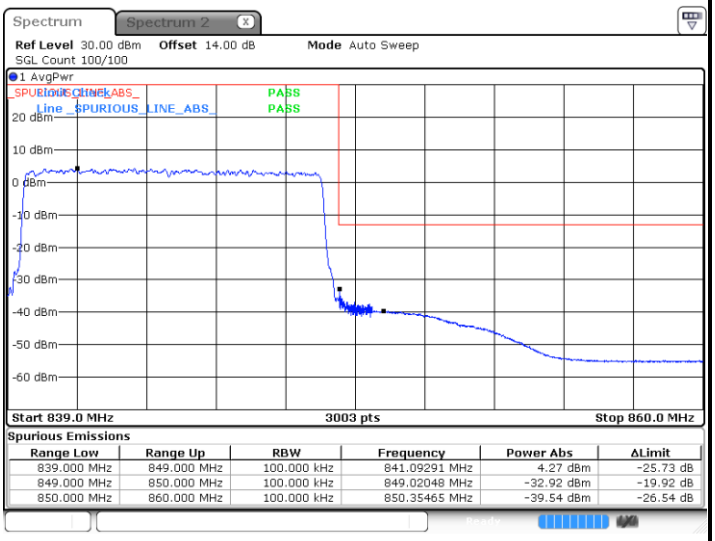


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.86813 MHz	-32.18 dBm	-19.18 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.81469 MHz	-30.05 dBm	-17.05 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.55644 MHz	3.99 dBm	-26.01 dB

Date: 20.AUG.2025 15:14:27

Highest Band Edge / Full RB



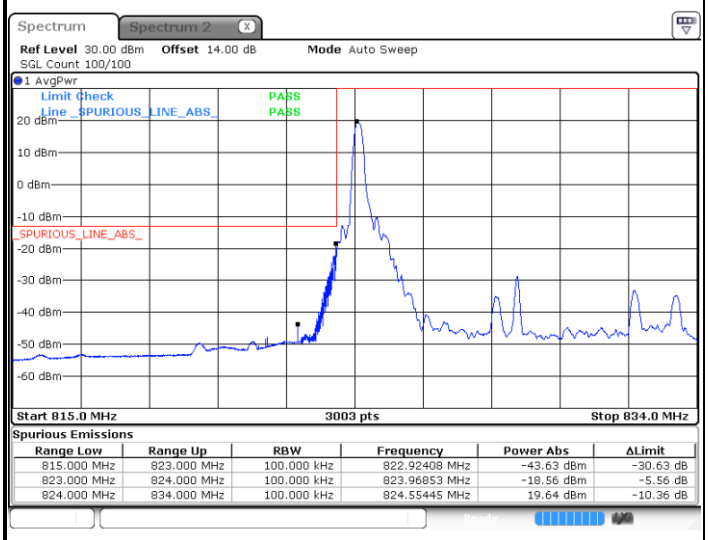
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	841.09291 MHz	4.27 dBm	-25.73 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.02048 MHz	-32.92 dBm	-19.92 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.35465 MHz	-39.54 dBm	-26.54 dB

Date: 20.AUG.2025 17:01:35

LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

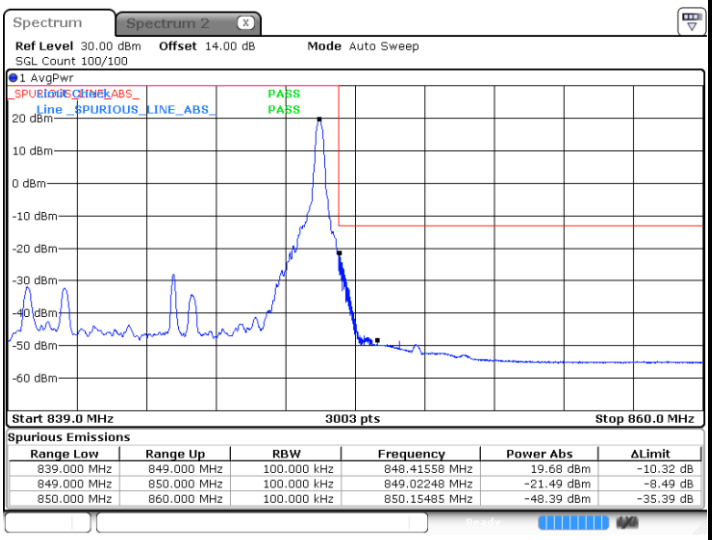


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-43.63 dBm	-30.63 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.96853 MHz	-18.56 dBm	-5.56 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.55445 MHz	19.64 dBm	-10.36 dB

Date: 20.AUG.2025 15:12:59

Highest Band Edge / 1 RB

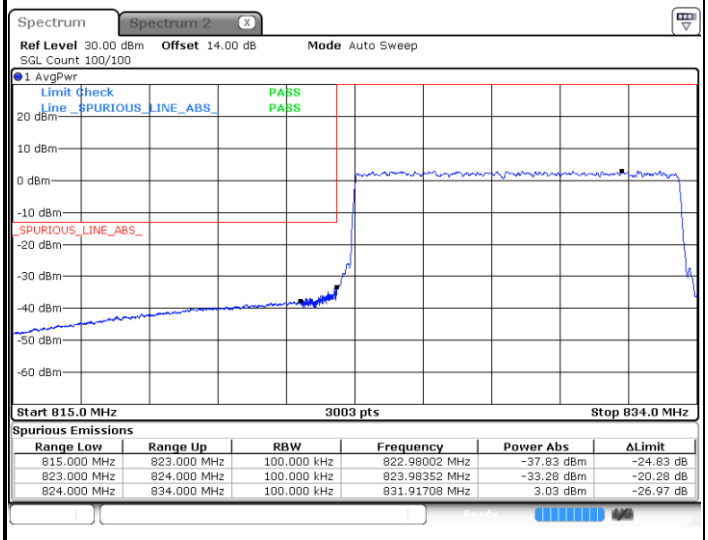


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.41558 MHz	19.68 dBm	-10.32 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.02248 MHz	-21.49 dBm	-8.49 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.15485 MHz	-48.39 dBm	-35.39 dB

Date: 20.AUG.2025 16:59:48

Lowest Band Edge / Full RB

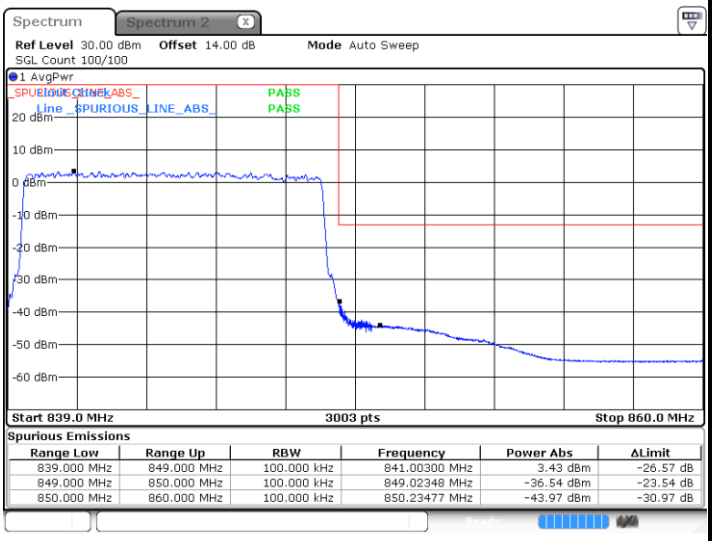


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-37.83 dBm	-24.83 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98352 MHz	-33.28 dBm	-20.28 dB
824.000 MHz	834.000 MHz	100.000 kHz	831.91708 MHz	3.03 dBm	-26.97 dB

Date: 20.AUG.2025 15:15:10

Highest Band Edge / Full RB



Spurious Emissions

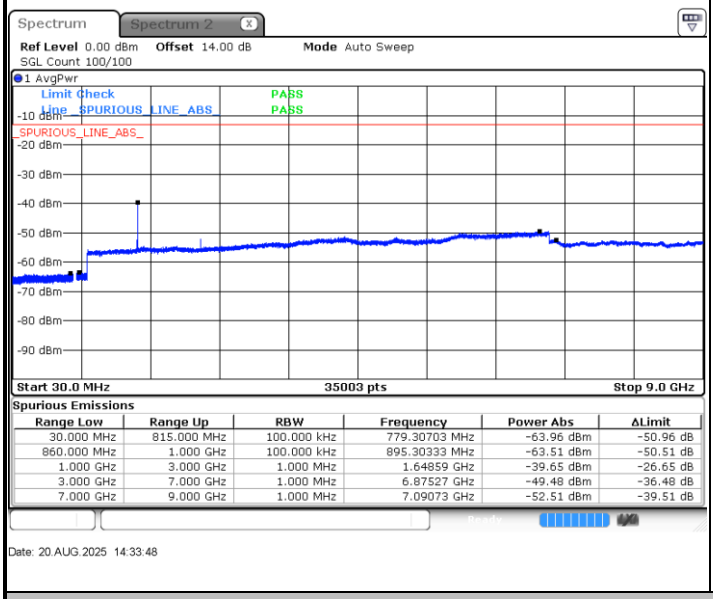
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	841.00300 MHz	3.43 dBm	-26.57 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.02348 MHz	-36.54 dBm	-23.54 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.23477 MHz	-43.97 dBm	-30.97 dB

Date: 20.AUG.2025 17:02:28

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

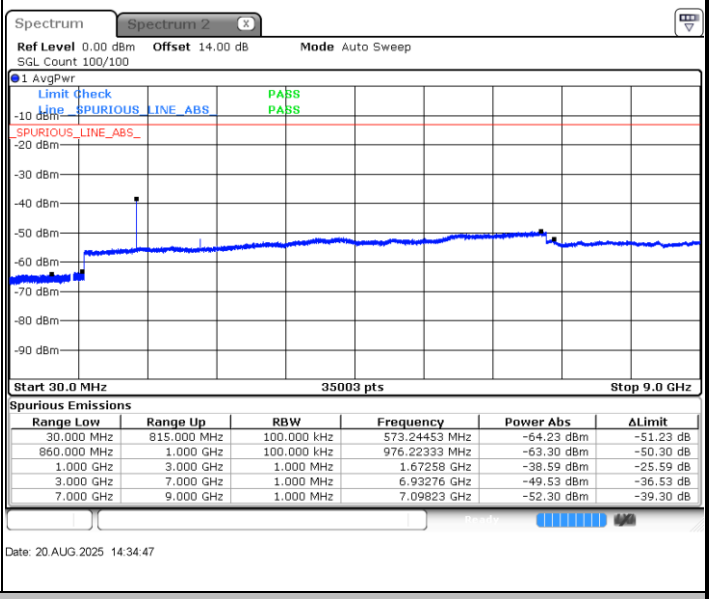


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.30703 MHz	-63.96 dBm	-50.96 dB
860.000 MHz	1.000 GHz	100.000 kHz	895.30333 MHz	-63.51 dBm	-50.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-39.65 dBm	-26.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87527 GHz	-49.48 dBm	-36.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09073 GHz	-52.51 dBm	-39.51 dB

Date: 20.AUG.2025 14:33:48

Middle Channel / QPSK

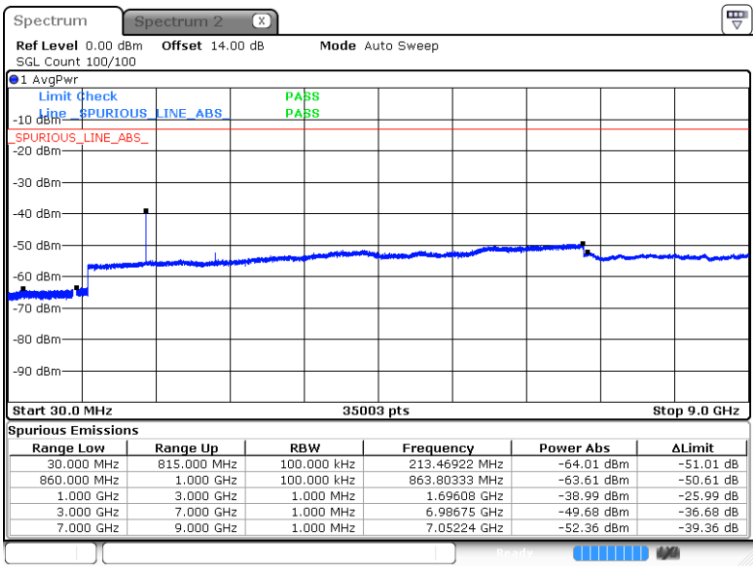


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	573.24453 MHz	-64.23 dBm	-51.23 dB
860.000 MHz	1.000 GHz	100.000 kHz	976.22333 MHz	-63.30 dBm	-50.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-38.59 dBm	-25.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93276 GHz	-49.53 dBm	-36.53 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09823 GHz	-52.30 dBm	-39.30 dB

Date: 20.AUG.2025 14:34:47

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	213.46922 MHz	-64.01 dBm	-51.01 dB
860.000 MHz	1.000 GHz	100.000 kHz	863.80333 MHz	-63.61 dBm	-50.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-38.99 dBm	-25.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-49.68 dBm	-36.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05224 GHz	-52.36 dBm	-39.36 dB

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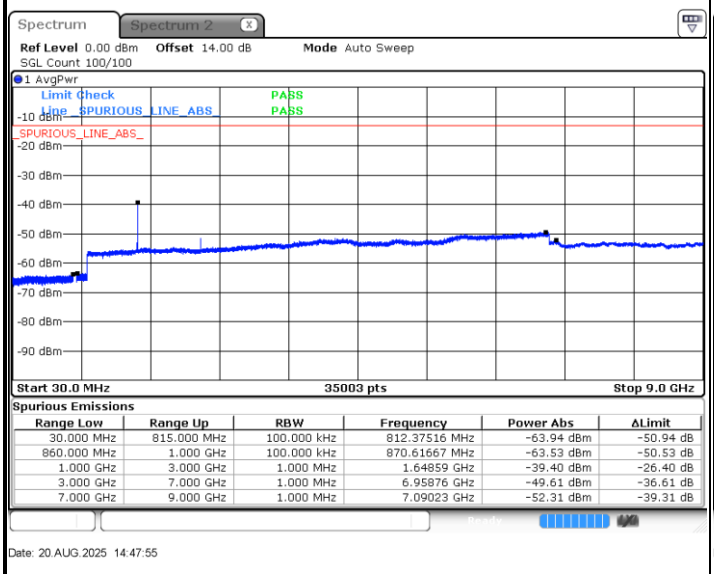
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.37516 MHz	-63.94 dBm	-50.94 dB
860.000 MHz	1.000 GHz	100.000 kHz	870.61667 MHz	-63.53 dBm	-50.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-39.40 dBm	-26.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95876 GHz	-49.61 dBm	-36.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09023 GHz	-52.31 dBm	-39.31 dB

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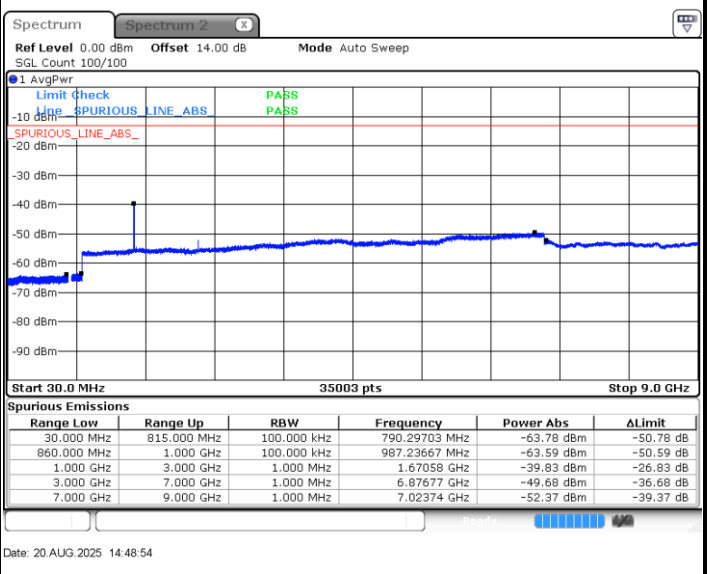
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	790.29703 MHz	-63.78 dBm	-50.78 dB
860.000 MHz	1.000 GHz	100.000 kHz	987.23667 MHz	-63.59 dBm	-50.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-39.83 dBm	-26.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87677 GHz	-49.68 dBm	-36.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02374 GHz	-52.37 dBm	-39.37 dB

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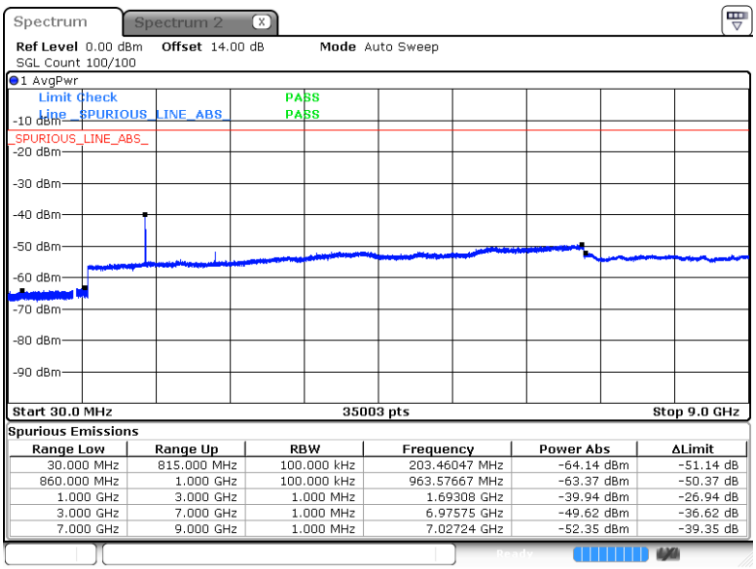
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	203.46047 MHz	-64.14 dBm	-51.14 dB
860.000 MHz	1.000 GHz	100.000 kHz	963.57667 MHz	-63.37 dBm	-50.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69308 GHz	-39.94 dBm	-26.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97575 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02724 GHz	-52.35 dBm	-39.35 dB

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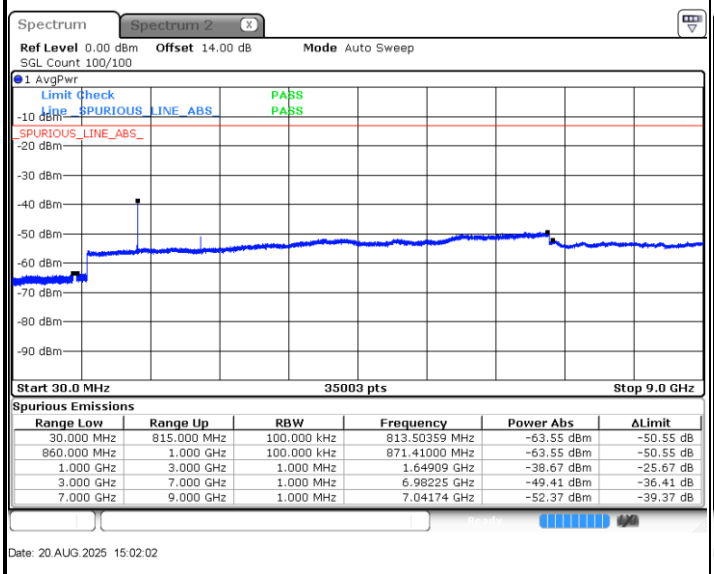
LTE Band 5 / 5MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.50359 MHz	-63.55 dBm	-50.55 dB
860.000 MHz	1.000 GHz	100.000 kHz	871.41000 MHz	-63.55 dBm	-50.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-38.67 dBm	-25.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-49.41 dBm	-36.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04174 GHz	-52.37 dBm	-39.37 dB

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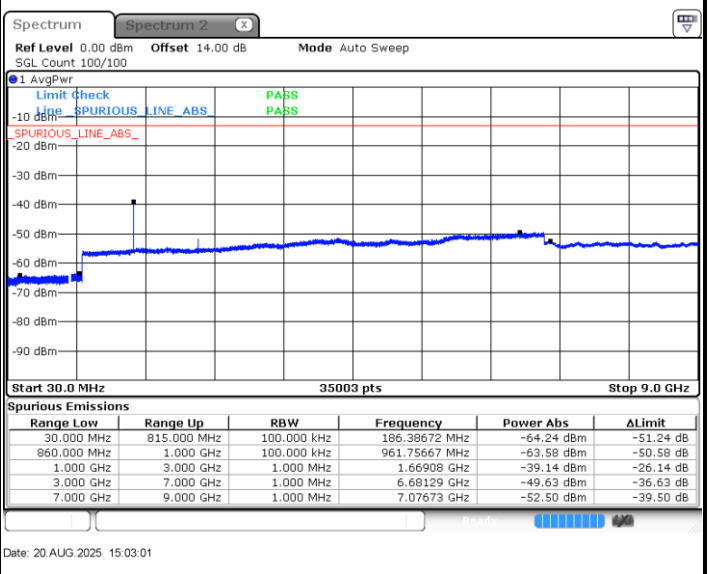
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	186.38672 MHz	-64.24 dBm	-51.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	961.75667 MHz	-63.58 dBm	-50.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-39.14 dBm	-26.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.68129 GHz	-49.63 dBm	-36.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07673 GHz	-52.50 dBm	-39.50 dB

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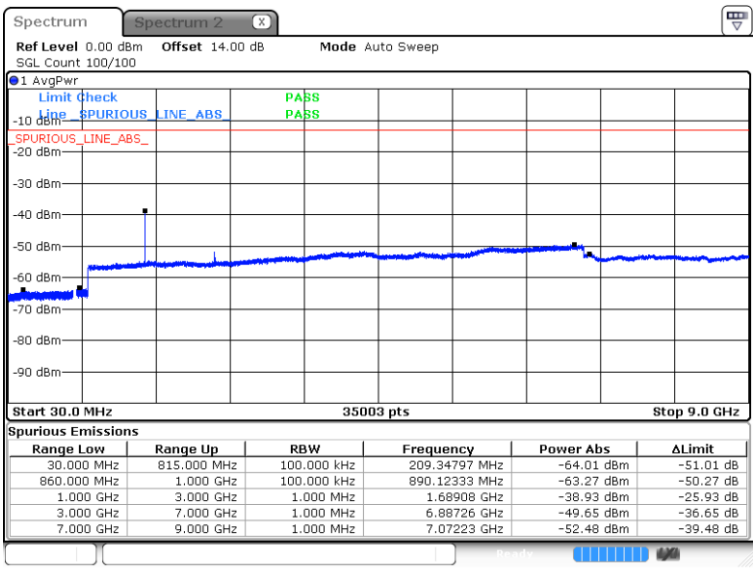
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	209.34797 MHz	-64.01 dBm	-51.01 dB
860.000 MHz	1.000 GHz	100.000 kHz	890.12333 MHz	-63.27 dBm	-50.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-38.93 dBm	-25.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88726 GHz	-49.65 dBm	-36.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07223 GHz	-52.48 dBm	-39.48 dB

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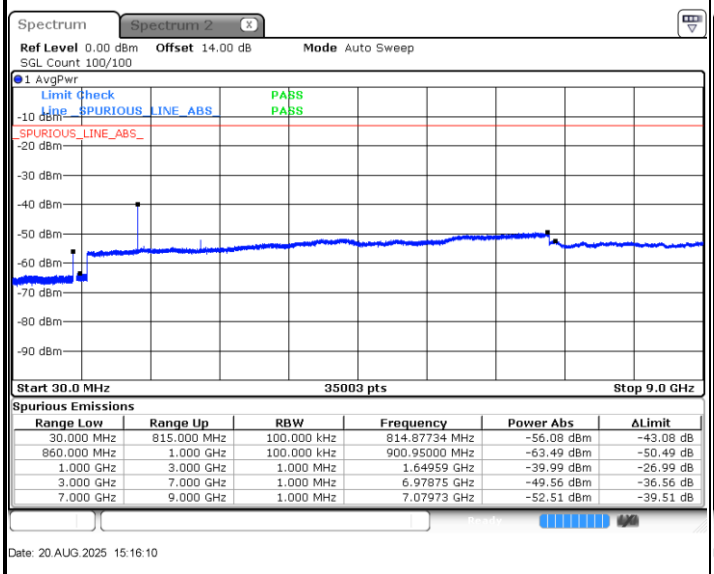
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.87734 MHz	-56.08 dBm	-43.08 dB
860.000 MHz	1.000 GHz	100.000 kHz	900.95000 MHz	-63.49 dBm	-50.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-39.99 dBm	-26.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97875 GHz	-49.56 dBm	-36.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07973 GHz	-52.51 dBm	-39.51 dB

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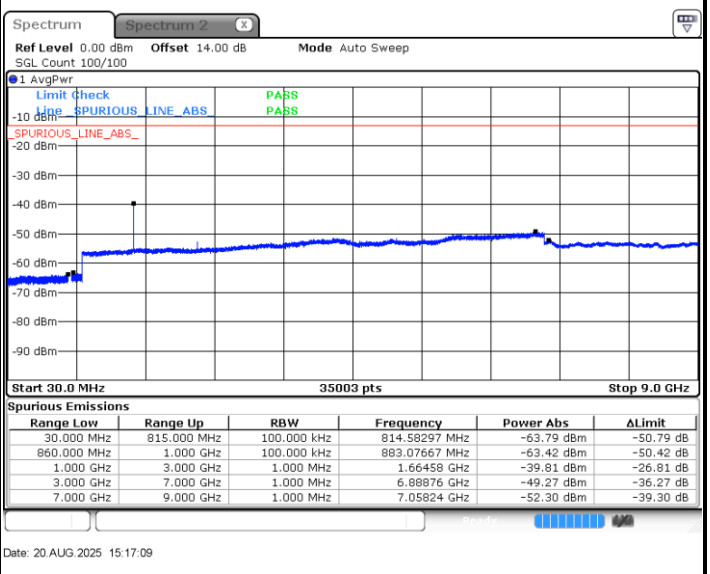
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.58297 MHz	-63.79 dBm	-50.79 dB
860.000 MHz	1.000 GHz	100.000 kHz	883.07667 MHz	-63.42 dBm	-50.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-39.81 dBm	-26.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88876 GHz	-49.27 dBm	-36.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05824 GHz	-52.30 dBm	-39.30 dB

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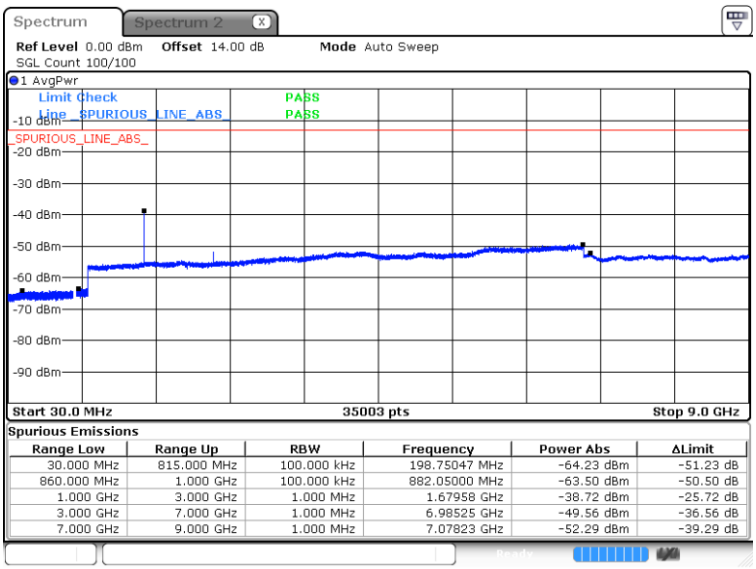
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	198.75047 MHz	-64.23 dBm	-51.23 dB
860.000 MHz	1.000 GHz	100.000 kHz	882.05000 MHz	-63.50 dBm	-50.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-38.72 dBm	-25.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-49.56 dBm	-36.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07823 GHz	-52.29 dBm	-39.29 dB

Date: 20.AUG.2025 15:25:34

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	≤2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

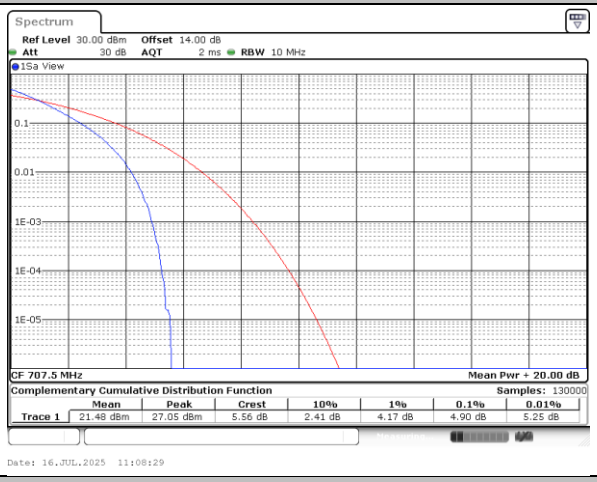
Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

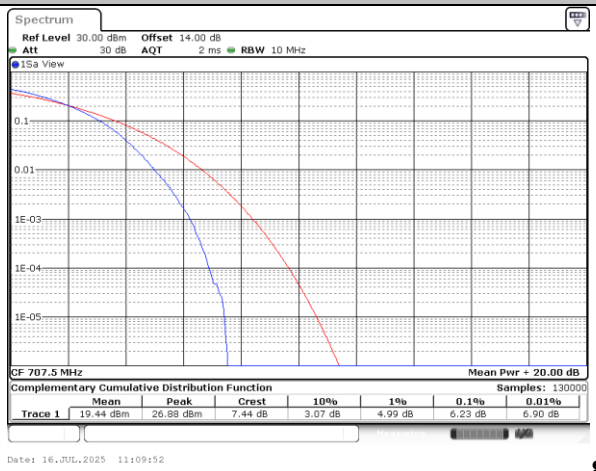
LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.86	6.23	PASS

LTE Band 12 / 10MHz / QPSK	LTE Band 12 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

LTE Band 12 / 10MHz / 64QAM
Middle Channel / Full RB



26dB Bandwidth

Mode	LTE Band 12 : 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	1.28	1.29	3.00	3.00	4.93	4.84	9.79	9.83	-	-	-	-