FCC RF Test Report

APPLICANT	: Xiaomi Communications Co., Ltd.
EQUIPMENT	: Mobile Phone
BRAND NAME	: Xiaomi
MODEL NAME	: 2506BPN68G
FCC ID	: 2AFZZPN68G
STANDARD	: 47 CFR Part 27(F), 27(H), 27(N)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Apr. 30, 2025 ~ Jun. 10, 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
FG542529C	Rev. 01	Initial issue of report	Jun. 11, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt	PASS	-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §27.53(c)(2)(4) §27.53(g)	Conducted Band Edge Measurement (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §27.53(c)(2) §27.53(g)	Conducted Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(c)(2) §27.53(f) §27.53(g)	Radiated Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 15.00 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

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	2506BPN68G
FCC ID	2AFZZPN68G
IMEI Code	Conducted: 864724070063060 Radiation: 864724070060165/864724070060173
HW Version	1351P2404
SW Version	Xiaomi HyperOS 2.0
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 71: 617 MHz ~ 652 MHz
Bandwidth	LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	**<Ant.0>** LTE Band 12 : 24.61 dBm LTE Band 13 : 24.72 dBm LTE Band 17 : 24.61 dBm LTE Band 71 : 24.27 dBm **<Ant.1>** LTE Band 12 : 24.59 dBm LTE Band 13 : 24.61 dBm LTE Band 17 : 24.49 dBm LTE Band 71 : 24.37 dBm
Antenna Gain	**<Ant.0>** LTE Band 12 : -5.0 dBi LTE Band 13 : -5.0 dBi LTE Band 17 : -5.0 dBi LTE Band 71 : -6.7 dBi **<Ant.1>** LTE Band 12 : -3.2 dBi LTE Band 13 : -3.2 dBi LTE Band 17 : -3.2 dBi LTE Band 71 : -4.3 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 1 for LTE Band 12/13/17/71 are shown in the report.
2. For conducted test items, only the test data of the worse Ant.0(for B12/13) and Ant.1(for B71) are shown in the report according to the maximum power, B17 covered by B12.

1.5 Modification of EUT

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

1.6 Maximum ERP and Emission Designator

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	0.0834	1M10G7D	0.0664	1M09W7D
3	700.5 ~ 714.5	0.0830	2M71G7D	0.0615	2M71W7D
5	701.5 ~ 713.5	0.0830	4M48G7D	0.0627	4M49W7D
10	704.0 ~ 711.0	0.0839	9M05G7D	0.0631	9M03W7D
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	0.0828	4M49G7D	0.0627	4M51W7D
10	782.0	0.0843	9M05G7D	0.0646	9M03W7D
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	0.0804	4M48G7D	0.0619	4M49W7D
10	709.0 ~ 711.0	0.0820	9M05G7D	0.0630	9M03W7D
LTE Band 71		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.0600	4M48G7D	0.0453	4M52W7D
10	668.0 ~ 693.0	0.0600	9M07G7D	0.0457	9M03W7D
15	670.5 ~ 690.5	0.0614	13M4G7D	0.0455	13M4W7D
20	673.0 ~ 688.0	0.0619	17M8G7D	0.0468	17M8W7D

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

Remark:

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

2 Test Configuration of Equipment Under Test

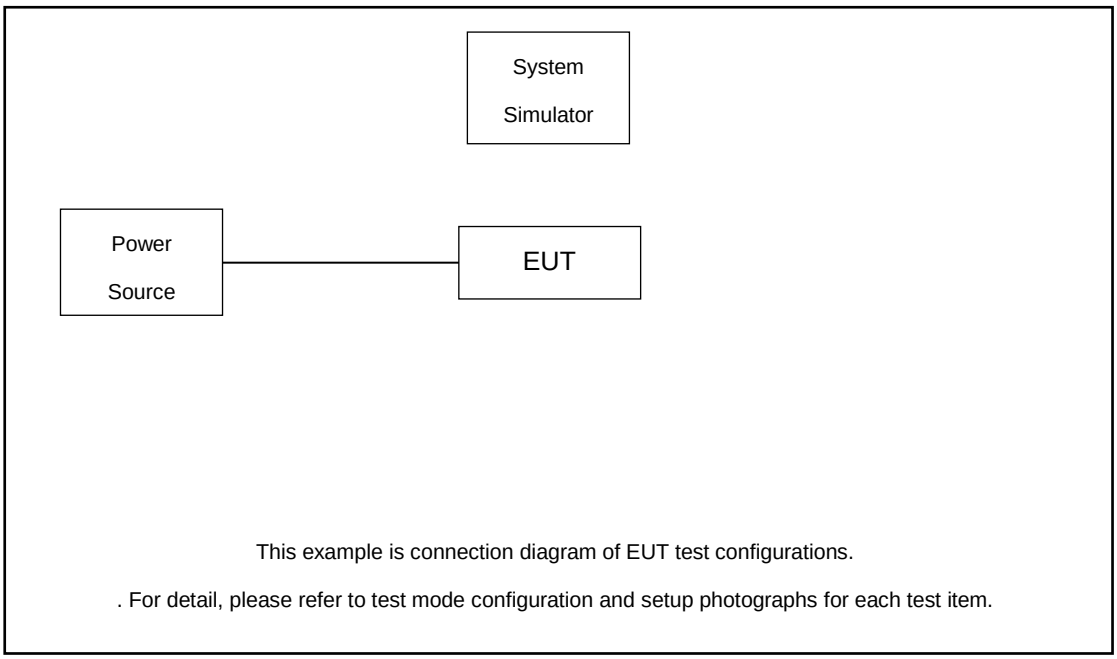
2.1 Test Mode

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

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	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
	71	-	-	v	v	v	v	v	v	v		v	v	v	v	v	v
Peak-to-Average Ratio	12				v	-	-	v	v	v				v		v	
	13	-	-		v	-	-	v	v	v				v		v	
	71	-	-				v	v	v	v				v		v	
26dB and 99% Bandwidth	12	v	v	v	v	-	-	v	v					v		v	
	13	-	-	v	v	-	-	v	v					v		v	
	71	-	-	v	v	v	v	v	v					v		v	
Conducted Band Edge	12	v	v	v	v	-	-	v	v	v		v		v	v		v
	13	-	-	v	v	-	-	v	v	v		v		v	v		v
	71	-	-	v	v	v	v	v	v	v		v		v	v		v
Conducted Spurious Emission	12	v	v	v	v	-	-	v				v			v	v	v
	13	-	-	v	v	-	-	v				v			v	v	v
	71	-	-	v	v	v	v	v				v			v	v	v
Frequency Stability	12				v	-	-	v						v		v	
	13	-	-		v	-	-	v						v		v	
	71	-	-		v			v						v		v	
E.R.P	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
	71	-	-	v	v	v	v	v	v	v		v	v	v	v	v	v
Radiated Spurious Emission	12	Worst Case														v	
	13	Worst Case														v	
	71	Worst Case														v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 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



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 dB and 10dB attenuator.

Example :

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

= 4 + 10 = 14 (dB)

2.5 Frequency List of Low/Middle/High Channels

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

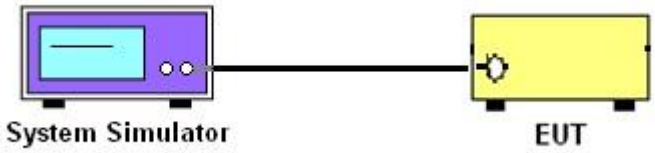
3 Conducted Test Items

3.1 Measuring Instruments

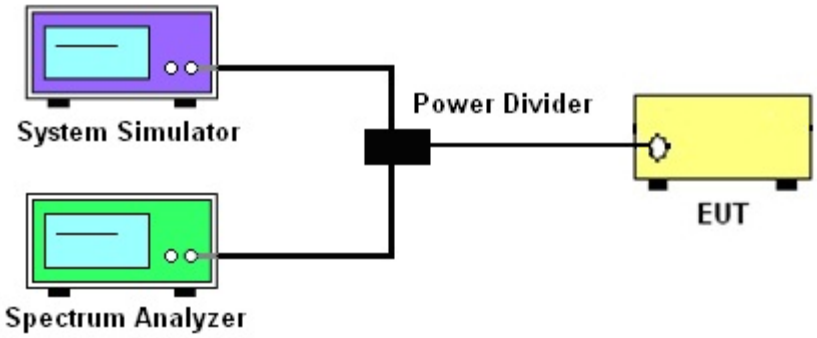
See list of measuring instruments of this test report.

3.2 Test Setup

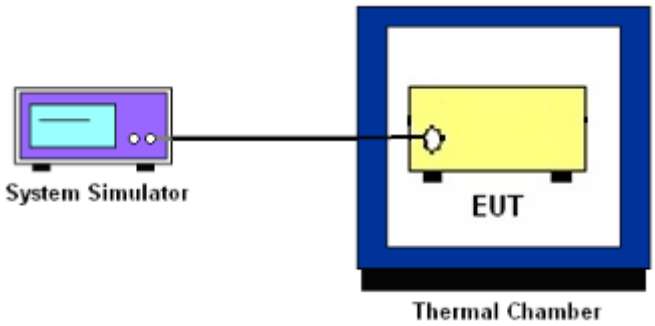
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP

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 3 Watts for LTE Band 12, Band 13 and Band 17 and Band 71.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53 (c)

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

27.53 (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
1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
8. 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 10^{th} harmonic.

3.8.2 Test Procedures

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

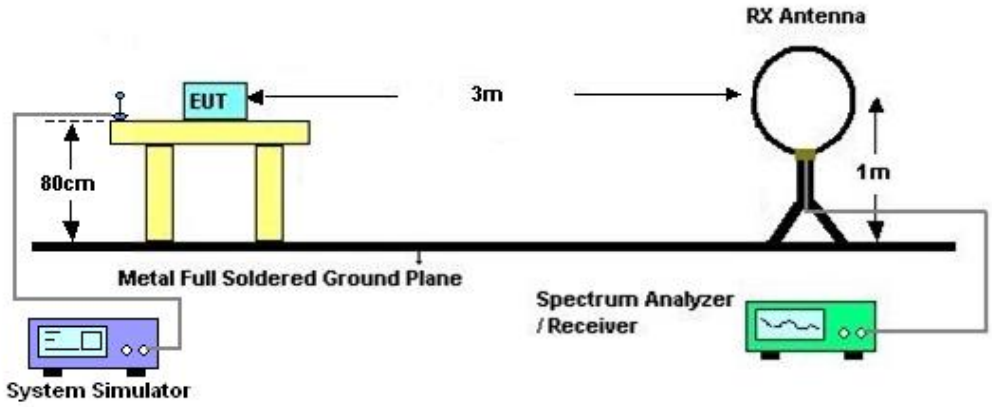
4 Radiated Test Items

4.1 Measuring Instruments

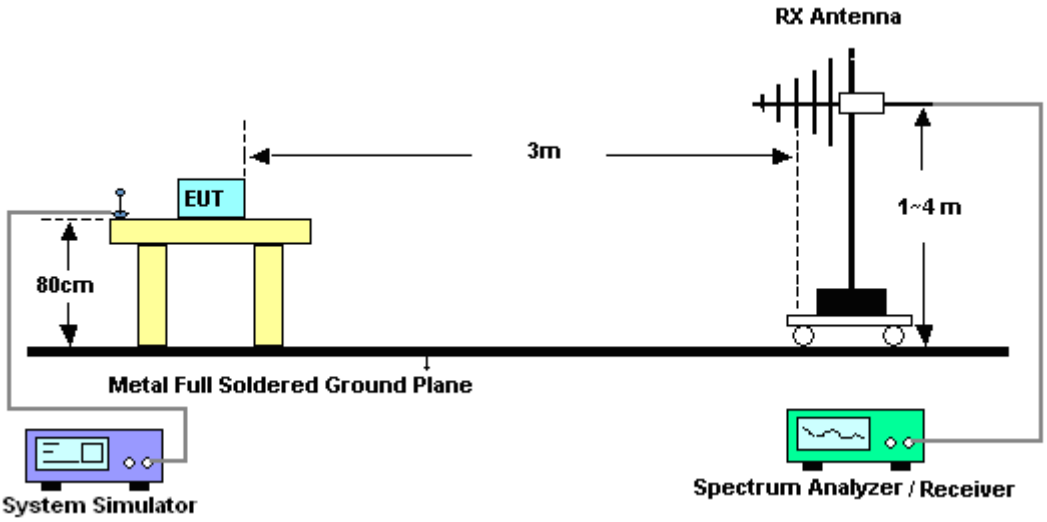
See list of measuring instruments of this test report.

4.2 Test Setup

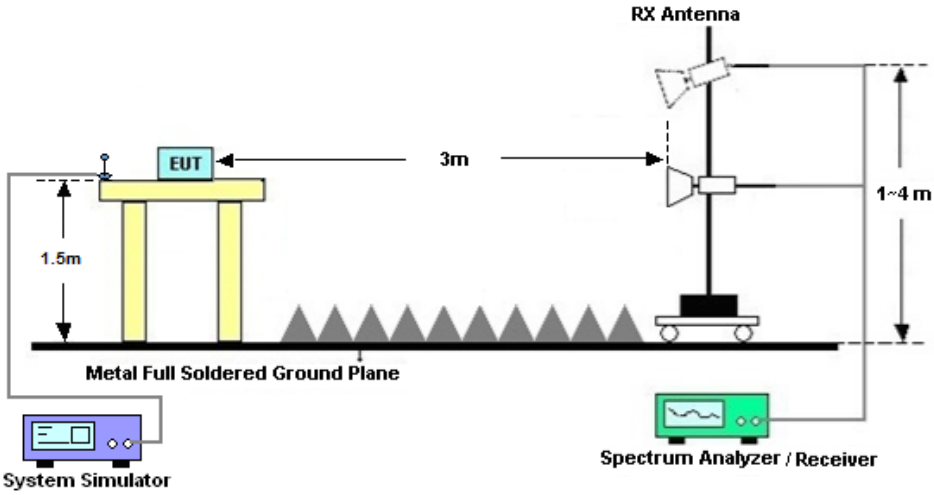
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

For 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
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Apr. 30, 2025~ Jun. 10, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 14, 2024	Apr. 30, 2025~ Jun. 10, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Apr. 30, 2025~ Jun. 10, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Apr. 30, 2025~ Jun. 10, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	May 14, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	May 14, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	May 14, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	May 14, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	May 14, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	May 14, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	May 14, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	May 14, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	May 14, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	May 14, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	May 14, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 dB

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

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

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

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

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

Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and ERP

LTE Band 12_Ant.1

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	24.57	24.59	24.36	0.0836	0.0839	0.0796
10	QPSK	1	25	24.39	24.51	24.52	0.0802	0.0824	0.0826
10	QPSK	1	49	24.41	24.42	24.41	0.0805	0.0807	0.0805
10	QPSK	25	0	23.62	23.79	23.62	0.0671	0.0698	0.0671
10	QPSK	25	12	23.53	23.62	23.57	0.0658	0.0671	0.0664
10	QPSK	25	25	23.49	23.62	23.58	0.0652	0.0671	0.0665
10	QPSK	50	0	23.37	23.41	23.24	0.0634	0.0640	0.0615
10	16QAM	1	0	23.27	23.34	23.23	0.0619	0.0630	0.0614
10	16QAM	1	25	23.23	23.22	23.18	0.0614	0.0612	0.0607
10	16QAM	1	49	23.18	23.35	23.32	0.0607	0.0631	0.0627
10	16QAM	25	0	22.45	22.37	22.38	0.0513	0.0504	0.0505
10	16QAM	25	12	22.24	22.30	22.38	0.0489	0.0495	0.0505
10	16QAM	25	25	22.34	22.48	22.41	0.0500	0.0516	0.0508
10	16QAM	50	0	22.48	22.70	22.57	0.0516	0.0543	0.0527
10	64QAM	1	0	22.32	22.37	22.32	0.0498	0.0504	0.0498
10	64QAM	1	25	22.16	22.35	22.27	0.0480	0.0501	0.0492
10	64QAM	1	49	22.13	22.54	22.07	0.0476	0.0524	0.0470
10	64QAM	25	0	21.30	21.56	21.58	0.0394	0.0418	0.0420
10	64QAM	25	12	21.27	21.49	21.31	0.0391	0.0411	0.0394
10	64QAM	25	25	21.41	21.40	21.43	0.0404	0.0403	0.0406
10	64QAM	50	0	21.46	21.66	21.57	0.0408	0.0428	0.0419
10	256QAM	1	0	19.35	19.55	19.28	0.0251	0.0263	0.0247
10	256QAM	1	25	19.35	19.34	19.32	0.0251	0.0251	0.0249
10	256QAM	1	49	19.23	19.25	19.21	0.0244	0.0245	0.0243
10	256QAM	25	0	19.44	19.51	19.46	0.0256	0.0261	0.0258
10	256QAM	25	12	19.46	19.45	19.34	0.0258	0.0257	0.0251
10	256QAM	25	25	19.34	19.53	19.32	0.0251	0.0262	0.0249
10	256QAM	50	0	19.45	19.50	19.49	0.0257	0.0260	0.0259
Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	24.54	24.53	24.23	0.0830	0.0828	0.0773
5	QPSK	1	12	24.25	24.43	24.38	0.0776	0.0809	0.0800

5	QPSK	1	24	24.28	24.39	24.36	0.0782	0.0802	0.0796
5	QPSK	12	0	23.45	23.72	23.55	0.0646	0.0687	0.0661
5	QPSK	12	7	23.47	23.47	23.46	0.0649	0.0649	0.0647
5	QPSK	12	13	23.34	23.49	23.49	0.0630	0.0652	0.0652
5	QPSK	25	0	23.26	23.31	23.22	0.0618	0.0625	0.0612
5	16QAM	1	0	23.21	23.32	23.12	0.0611	0.0627	0.0598
5	16QAM	1	12	23.09	23.20	23.05	0.0594	0.0610	0.0589
5	16QAM	1	24	23.07	23.20	23.21	0.0592	0.0610	0.0611
5	16QAM	12	0	22.29	22.27	22.32	0.0494	0.0492	0.0498
5	16QAM	12	7	22.12	22.18	22.34	0.0475	0.0482	0.0500
5	16QAM	12	13	22.23	22.44	22.23	0.0488	0.0512	0.0488
5	16QAM	25	0	22.33	22.59	22.46	0.0499	0.0530	0.0514
5	64QAM	1	0	22.21	22.30	22.18	0.0485	0.0495	0.0482
5	64QAM	1	12	22.08	22.18	22.22	0.0471	0.0482	0.0486
5	64QAM	1	24	22.03	22.42	21.96	0.0466	0.0509	0.0458
5	64QAM	12	0	21.22	21.49	21.53	0.0386	0.0411	0.0415
5	64QAM	12	7	21.21	21.37	21.21	0.0385	0.0400	0.0385
5	64QAM	12	13	21.30	21.29	21.30	0.0394	0.0393	0.0394
5	64QAM	25	0	21.29	21.55	21.54	0.0393	0.0417	0.0416
5	256QAM	1	0	19.22	19.48	19.24	0.0244	0.0259	0.0245
5	256QAM	1	12	19.23	19.16	19.20	0.0244	0.0240	0.0243
5	256QAM	1	24	19.15	19.19	19.15	0.0240	0.0242	0.0240
5	256QAM	12	0	19.34	19.46	19.29	0.0251	0.0258	0.0248
5	256QAM	12	7	19.35	19.37	19.18	0.0251	0.0252	0.0242
5	256QAM	12	13	19.30	19.43	19.15	0.0248	0.0256	0.0240
5	256QAM	25	0	19.29	19.45	19.43	0.0248	0.0257	0.0256
Channel				23025	23095	23165	ERP(W)		
Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	24.54	24.43	24.20	0.0830	0.0809	0.0767
3	QPSK	1	8	24.27	24.34	24.36	0.0780	0.0793	0.0796
3	QPSK	1	14	24.34	24.30	24.26	0.0793	0.0785	0.0778
3	QPSK	8	0	23.46	23.61	23.54	0.0647	0.0670	0.0659
3	QPSK	8	4	23.48	23.46	23.41	0.0650	0.0647	0.0640
3	QPSK	8	7	23.46	23.56	23.52	0.0647	0.0662	0.0656
3	QPSK	15	0	23.28	23.33	23.11	0.0621	0.0628	0.0597
3	16QAM	1	0	23.15	23.18	23.08	0.0603	0.0607	0.0593
3	16QAM	1	8	23.14	23.07	23.13	0.0601	0.0592	0.0600
3	16QAM	1	14	23.00	23.24	23.21	0.0582	0.0615	0.0611
3	16QAM	8	0	22.32	22.34	22.35	0.0498	0.0500	0.0501
3	16QAM	8	4	22.18	22.24	22.27	0.0482	0.0489	0.0492
3	16QAM	8	7	22.24	22.45	22.38	0.0489	0.0513	0.0505
3	16QAM	15	0	22.45	22.61	22.42	0.0513	0.0532	0.0509
3	64QAM	1	0	22.22	22.25	22.23	0.0486	0.0490	0.0488
3	64QAM	1	8	22.10	22.25	22.20	0.0473	0.0490	0.0484
3	64QAM	1	14	22.05	22.39	21.99	0.0468	0.0506	0.0461
3	64QAM	8	0	21.22	21.42	21.50	0.0386	0.0405	0.0412
3	64QAM	8	4	21.22	21.43	21.17	0.0386	0.0406	0.0382

3	64QAM	8	7	21.36	21.30	21.37	0.0399	0.0394	0.0400
3	64QAM	15	0	21.42	21.57	21.49	0.0405	0.0419	0.0411
3	256QAM	1	0	19.29	19.48	19.24	0.0248	0.0259	0.0245
3	256QAM	1	8	19.24	19.25	19.25	0.0245	0.0245	0.0245
3	256QAM	1	14	19.14	19.11	19.17	0.0239	0.0238	0.0241
3	256QAM	8	0	19.40	19.46	19.41	0.0254	0.0258	0.0255
3	256QAM	8	4	19.35	19.30	19.27	0.0251	0.0248	0.0247
3	256QAM	8	7	19.17	19.37	19.19	0.0241	0.0252	0.0242
3	256QAM	15	0	19.36	19.38	19.39	0.0252	0.0253	0.0254
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	24.41	24.43	24.20	0.0805	0.0809	0.0767
1.4	QPSK	1	3	24.36	24.47	24.44	0.0796	0.0817	0.0811
1.4	QPSK	1	5	24.39	24.32	24.35	0.0802	0.0789	0.0794
1.4	QPSK	3	0	24.52	24.56	24.24	0.0826	0.0834	0.0774
1.4	QPSK	3	1	24.32	24.48	24.45	0.0789	0.0818	0.0813
1.4	QPSK	3	3	24.26	24.34	24.26	0.0778	0.0793	0.0778
1.4	QPSK	6	0	23.57	23.73	23.52	0.0664	0.0689	0.0656
1.4	16QAM	1	0	23.46	23.56	23.48	0.0647	0.0662	0.0650
1.4	16QAM	1	3	23.44	23.57	23.45	0.0644	0.0664	0.0646
1.4	16QAM	1	5	23.29	23.35	23.19	0.0622	0.0631	0.0608
1.4	16QAM	3	0	23.23	23.20	23.06	0.0614	0.0610	0.0590
1.4	16QAM	3	1	23.20	23.18	23.14	0.0610	0.0607	0.0601
1.4	16QAM	3	3	23.13	23.27	23.28	0.0600	0.0619	0.0621
1.4	16QAM	6	0	22.34	22.25	22.21	0.0500	0.0490	0.0485
1.4	64QAM	1	0	22.07	22.17	22.24	0.0470	0.0481	0.0489
1.4	64QAM	1	3	22.20	22.36	22.28	0.0484	0.0502	0.0493
1.4	64QAM	1	5	22.41	22.56	22.42	0.0508	0.0526	0.0509
1.4	64QAM	3	0	22.16	22.21	22.15	0.0480	0.0485	0.0479
1.4	64QAM	3	1	22.03	22.27	22.23	0.0466	0.0492	0.0488
1.4	64QAM	3	3	22.06	22.40	21.94	0.0469	0.0507	0.0456
1.4	64QAM	6	0	21.19	21.45	21.27	0.0384	0.0407	0.0391
1.4	256QAM	1	0	19.28	19.48	19.20	0.0247	0.0259	0.0243
1.4	256QAM	1	3	19.24	19.28	19.25	0.0245	0.0247	0.0245
1.4	256QAM	1	5	19.18	19.10	19.14	0.0242	0.0237	0.0239
1.4	256QAM	3	0	19.30	19.40	19.34	0.0248	0.0254	0.0251
1.4	256QAM	3	1	19.34	19.37	19.25	0.0251	0.0252	0.0245
1.4	256QAM	3	3	19.22	19.45	19.19	0.0244	0.0257	0.0242
1.4	256QAM	6	0	19.28	19.48	19.35	0.0247	0.0259	0.0251

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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		24.61			0.0843	
10	QPSK	1	25		24.47			0.0817	
10	QPSK	1	49		24.44			0.0811	
10	QPSK	25	0		23.79			0.0698	
10	QPSK	25	12		23.59			0.0667	
10	QPSK	25	25		23.65			0.0676	
10	QPSK	50	0		23.46			0.0647	
10	16QAM	1	0		23.45			0.0646	
10	16QAM	1	25		23.16			0.0604	
10	16QAM	1	49		23.41			0.0640	
10	16QAM	25	0		22.50			0.0519	
10	16QAM	25	12		22.37			0.0504	
10	16QAM	25	25		22.46			0.0514	
10	16QAM	50	0		22.80			0.0556	
10	64QAM	1	0		22.44			0.0512	
10	64QAM	1	25		22.41			0.0508	
10	64QAM	1	49		22.52			0.0521	
10	64QAM	25	0		21.56			0.0418	
10	64QAM	25	12		21.52			0.0414	
10	64QAM	25	25		21.47			0.0409	
10	64QAM	50	0		21.64			0.0426	
10	256QAM	1	0		19.51			0.0261	
10	256QAM	1	25		19.42			0.0255	
10	256QAM	1	49		19.29			0.0248	
10	256QAM	25	0		19.53			0.0262	
10	256QAM	25	12		19.49			0.0259	
10	256QAM	25	25		19.54			0.0262	
10	256QAM	50	0		19.61			0.0267	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	24.46	24.53	24.49	0.0815	0.0828	0.0820
5	QPSK	1	12	24.36	24.39	24.31	0.0796	0.0802	0.0787
5	QPSK	1	24	24.33	24.34	24.40	0.0791	0.0793	0.0804
5	QPSK	12	0	23.62	23.66	23.63	0.0671	0.0678	0.0673
5	QPSK	12	7	23.45	23.43	23.55	0.0646	0.0643	0.0661
5	QPSK	12	13	23.57	23.53	23.55	0.0664	0.0658	0.0661
5	QPSK	25	0	23.43	23.36	23.31	0.0643	0.0632	0.0625
5	16QAM	1	0	23.32	23.32	23.31	0.0627	0.0627	0.0625
5	16QAM	1	12	23.11	23.10	23.14	0.0597	0.0596	0.0601
5	16QAM	1	24	23.30	23.32	23.32	0.0624	0.0627	0.0627

5	16QAM	12	0	22.41	22.44	22.46	0.0508	0.0512	0.0514
5	16QAM	12	7	22.30	22.23	22.27	0.0495	0.0488	0.0492
5	16QAM	12	13	22.42	22.37	22.37	0.0509	0.0504	0.0504
5	16QAM	25	0	22.75	22.72	22.75	0.0550	0.0546	0.0550
5	64QAM	1	0	22.40	22.34	22.34	0.0507	0.0500	0.0500
5	64QAM	1	12	22.34	22.33	22.33	0.0500	0.0499	0.0499
5	64QAM	1	24	22.40	22.37	22.36	0.0507	0.0504	0.0502
5	64QAM	12	0	21.39	21.49	21.51	0.0402	0.0411	0.0413
5	64QAM	12	7	21.43	21.38	21.49	0.0406	0.0401	0.0411
5	64QAM	12	13	21.40	21.44	21.31	0.0403	0.0406	0.0394
5	64QAM	25	0	21.55	21.57	21.58	0.0417	0.0419	0.0420
5	256QAM	1	0	19.42	19.37	19.43	0.0255	0.0252	0.0256
5	256QAM	1	12	19.30	19.34	19.36	0.0248	0.0251	0.0252
5	256QAM	1	24	19.15	19.22	19.26	0.0240	0.0244	0.0246
5	256QAM	12	0	19.39	19.43	19.44	0.0254	0.0256	0.0256
5	256QAM	12	7	19.35	19.45	19.47	0.0251	0.0257	0.0258
5	256QAM	12	13	19.47	19.36	19.48	0.0258	0.0252	0.0259
5	256QAM	25	0	19.54	19.46	19.48	0.0262	0.0258	0.0259

LTE Band 17_Ant.1

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	24.46	24.49	24.23	0.0815	0.0820	0.0773
10	QPSK	1	25	24.39	24.35	24.41	0.0802	0.0794	0.0805
10	QPSK	1	49	24.31	24.38	24.32	0.0787	0.0800	0.0789
10	QPSK	25	0	23.58	23.69	23.60	0.0665	0.0682	0.0668
10	QPSK	25	12	23.50	23.53	23.41	0.0653	0.0658	0.0640
10	QPSK	25	25	23.45	23.53	23.49	0.0646	0.0658	0.0652
10	QPSK	50	0	23.26	23.35	23.15	0.0618	0.0631	0.0603
10	16QAM	1	0	23.18	23.34	23.24	0.0607	0.0630	0.0615
10	16QAM	1	25	23.08	23.08	23.18	0.0593	0.0593	0.0607
10	16QAM	1	49	23.13	23.31	23.23	0.0600	0.0625	0.0614
10	16QAM	25	0	22.30	22.29	22.37	0.0495	0.0494	0.0504
10	16QAM	25	12	22.17	22.29	22.30	0.0481	0.0494	0.0495
10	16QAM	25	25	22.27	22.44	22.38	0.0492	0.0512	0.0505
10	16QAM	50	0	22.45	22.62	22.46	0.0513	0.0533	0.0514
10	64QAM	1	0	22.24	22.37	22.20	0.0489	0.0504	0.0484
10	64QAM	1	25	22.16	22.33	22.13	0.0480	0.0499	0.0476
10	64QAM	1	49	22.11	22.40	22.10	0.0474	0.0507	0.0473
10	64QAM	25	0	21.27	21.46	21.48	0.0391	0.0408	0.0410
10	64QAM	25	12	21.15	21.37	21.32	0.0380	0.0400	0.0395
10	64QAM	25	25	21.25	21.38	21.31	0.0389	0.0401	0.0394
10	64QAM	50	0	21.36	21.55	21.48	0.0399	0.0417	0.0410

10	256QAM	1	0	19.33	19.43	19.17	0.0250	0.0256	0.0241
10	256QAM	1	25	19.22	19.30	19.21	0.0244	0.0248	0.0243
10	256QAM	1	49	19.15	19.25	19.08	0.0240	0.0245	0.0236
10	256QAM	25	0	19.38	19.37	19.34	0.0253	0.0252	0.0251
10	256QAM	25	12	19.31	19.34	19.29	0.0249	0.0251	0.0248
10	256QAM	25	25	19.31	19.41	19.24	0.0249	0.0255	0.0245
10	256QAM	50	0	19.44	19.40	19.34	0.0256	0.0254	0.0251
Channel				23755	23790	23825	ERP(W)		
Frequency (MHz)				706.5	710	713.5	L	M	H
5	QPSK	1	0	24.31	24.40	24.18	0.0787	0.0804	0.0764
5	QPSK	1	12	24.25	24.23	24.36	0.0776	0.0773	0.0796
5	QPSK	1	24	24.21	24.30	24.16	0.0769	0.0785	0.0760
5	QPSK	12	0	23.55	23.57	23.42	0.0661	0.0664	0.0641
5	QPSK	12	7	23.33	23.40	23.25	0.0628	0.0638	0.0617
5	QPSK	12	13	23.32	23.48	23.36	0.0627	0.0650	0.0632
5	QPSK	25	0	23.21	23.29	23.09	0.0611	0.0622	0.0594
5	16QAM	1	0	23.07	23.18	23.20	0.0592	0.0607	0.0610
5	16QAM	1	12	22.90	22.91	23.01	0.0569	0.0570	0.0583
5	16QAM	1	24	23.10	23.27	23.12	0.0596	0.0619	0.0598
5	16QAM	12	0	22.22	22.25	22.35	0.0486	0.0490	0.0501
5	16QAM	12	7	22.11	22.15	22.28	0.0474	0.0479	0.0493
5	16QAM	12	13	22.18	22.37	22.34	0.0482	0.0504	0.0500
5	16QAM	25	0	22.32	22.56	22.29	0.0498	0.0526	0.0494
5	64QAM	1	0	22.21	22.19	22.03	0.0485	0.0483	0.0466
5	64QAM	1	12	22.03	22.20	22.09	0.0466	0.0484	0.0472
5	64QAM	1	24	21.95	22.23	21.99	0.0457	0.0488	0.0461
5	64QAM	12	0	21.13	21.34	21.44	0.0378	0.0397	0.0406
5	64QAM	12	7	21.09	21.31	21.15	0.0375	0.0394	0.0380
5	64QAM	12	13	21.19	21.21	21.14	0.0384	0.0385	0.0379
5	64QAM	25	0	21.32	21.49	21.34	0.0395	0.0411	0.0397
5	256QAM	1	0	19.17	19.25	18.99	0.0241	0.0245	0.0231
5	256QAM	1	12	19.15	19.28	19.07	0.0240	0.0247	0.0236
5	256QAM	1	24	18.98	19.13	18.99	0.0231	0.0239	0.0231
5	256QAM	12	0	19.22	19.24	19.25	0.0244	0.0245	0.0245
5	256QAM	12	7	19.28	19.25	19.15	0.0247	0.0245	0.0240
5	256QAM	12	13	19.23	19.32	19.16	0.0244	0.0249	0.0240
5	256QAM	25	0	19.34	19.31	19.21	0.0251	0.0249	0.0243

LTE Band 71_Ant.1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688	L	M	H
20	QPSK	1	0	24.23	24.37	24.16	0.0600	0.0619	0.0590
20	QPSK	1	49	24.17	24.23	24.26	0.0592	0.0600	0.0604
20	QPSK	1	99	24.16	24.20	24.14	0.0590	0.0596	0.0587
20	QPSK	50	0	23.34	23.49	23.34	0.0489	0.0506	0.0489
20	QPSK	50	24	23.32	23.27	23.26	0.0486	0.0481	0.0480
20	QPSK	50	50	23.28	23.33	23.30	0.0482	0.0488	0.0484
20	QPSK	100	0	23.14	23.20	23.02	0.0467	0.0473	0.0454
20	16QAM	1	0	23.02	23.08	22.97	0.0454	0.0460	0.0449
20	16QAM	1	49	22.98	22.95	22.93	0.0450	0.0447	0.0445
20	16QAM	1	99	22.87	23.15	22.95	0.0439	0.0468	0.0447
20	16QAM	50	0	22.10	22.14	22.19	0.0367	0.0371	0.0375
20	16QAM	50	24	21.96	22.00	22.08	0.0356	0.0359	0.0366
20	16QAM	50	50	21.99	22.14	22.09	0.0358	0.0371	0.0366
20	16QAM	100	0	22.23	22.43	22.33	0.0378	0.0396	0.0387
20	64QAM	1	0	22.00	22.13	22.04	0.0359	0.0370	0.0362
20	64QAM	1	49	21.90	22.11	21.94	0.0351	0.0368	0.0354
20	64QAM	1	99	21.89	22.25	21.82	0.0350	0.0380	0.0344
20	64QAM	50	0	21.07	21.27	21.29	0.0290	0.0303	0.0305
20	64QAM	50	24	21.03	21.23	21.08	0.0287	0.0301	0.0290
20	64QAM	50	50	21.13	21.19	21.16	0.0294	0.0298	0.0296
20	64QAM	100	0	21.16	21.38	21.33	0.0296	0.0311	0.0308
20	256QAM	1	0	19.09	19.24	18.95	0.0184	0.0190	0.0178
20	256QAM	1	49	19.05	19.14	19.02	0.0182	0.0186	0.0181
20	256QAM	1	99	19.03	18.99	18.95	0.0181	0.0179	0.0178
20	256QAM	50	0	19.15	19.19	19.15	0.0186	0.0188	0.0186
20	256QAM	50	24	19.15	19.14	19.10	0.0186	0.0186	0.0184
20	256QAM	50	50	19.16	19.26	19.02	0.0187	0.0191	0.0181
20	256QAM	100	0	19.16	19.31	19.16	0.0187	0.0193	0.0187
Channel				133197	133297	133397	EIRP(W)		
Frequency (MHz)				670.5	680.5	690.5	L	M	H
15	QPSK	1	0	24.18	24.33	24.12	0.0593	0.0614	0.0585
15	QPSK	1	37	24.13	24.16	24.18	0.0586	0.0590	0.0593
15	QPSK	1	74	24.04	24.05	24.09	0.0574	0.0575	0.0581
15	QPSK	36	0	23.29	23.47	23.19	0.0483	0.0504	0.0472
15	QPSK	36	20	23.21	23.24	23.12	0.0474	0.0478	0.0465
15	QPSK	36	39	23.11	23.16	23.20	0.0463	0.0469	0.0473
15	QPSK	75	0	23.00	23.15	22.92	0.0452	0.0468	0.0444
15	16QAM	1	0	22.84	22.97	22.82	0.0436	0.0449	0.0434
15	16QAM	1	37	22.82	22.85	22.87	0.0434	0.0437	0.0439
15	16QAM	1	74	22.72	23.03	22.93	0.0424	0.0455	0.0445

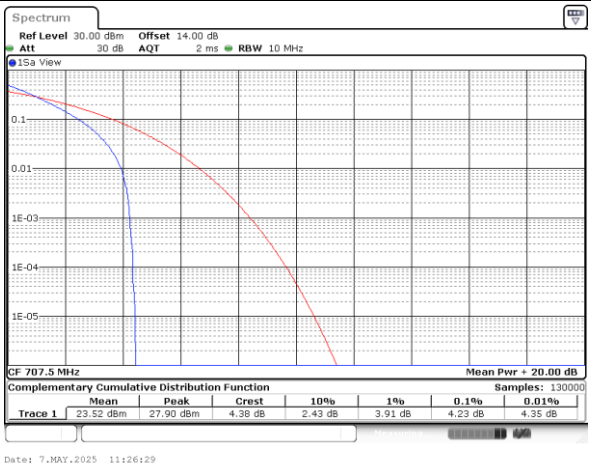
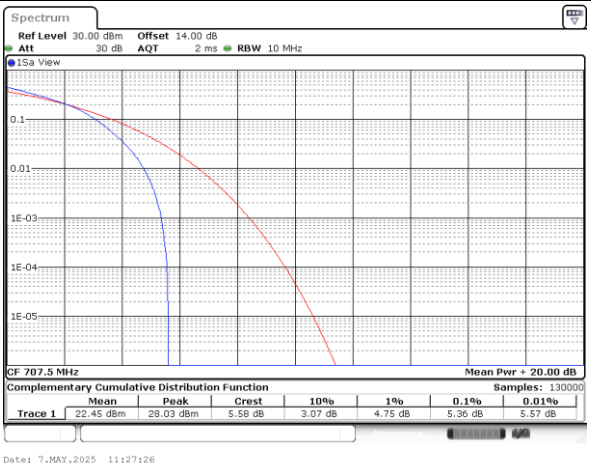
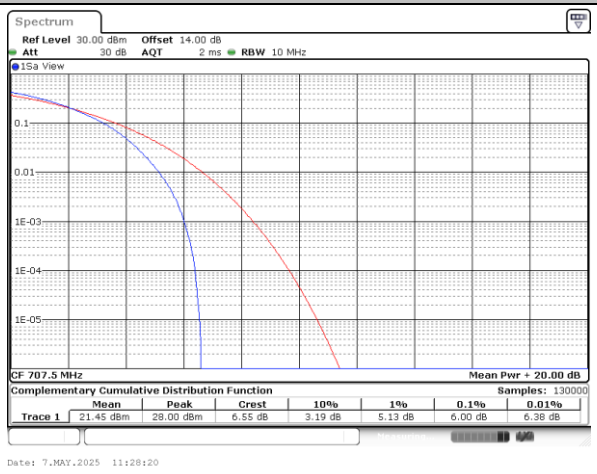
15	16QAM	36	0	21.92	22.08	22.04	0.0352	0.0366	0.0362
15	16QAM	36	20	21.79	21.90	22.04	0.0342	0.0351	0.0362
15	16QAM	36	39	21.90	22.03	21.96	0.0351	0.0361	0.0356
15	16QAM	75	0	22.11	22.32	22.23	0.0368	0.0386	0.0378
15	64QAM	1	0	21.84	22.10	21.91	0.0346	0.0367	0.0352
15	64QAM	1	37	21.81	22.09	21.81	0.0344	0.0366	0.0344
15	64QAM	1	74	21.82	22.07	21.80	0.0344	0.0365	0.0343
15	64QAM	36	0	21.00	21.16	21.13	0.0285	0.0296	0.0294
15	64QAM	36	20	20.97	21.18	20.92	0.0283	0.0297	0.0280
15	64QAM	36	39	21.08	21.06	21.07	0.0290	0.0289	0.0290
15	64QAM	75	0	21.02	21.26	21.17	0.0286	0.0303	0.0296
15	256QAM	1	0	18.94	19.16	18.77	0.0177	0.0187	0.0171
15	256QAM	1	37	18.95	19.08	18.86	0.0178	0.0183	0.0174
15	256QAM	1	74	19.00	18.95	18.92	0.0180	0.0178	0.0177
15	256QAM	36	0	19.08	19.11	19.06	0.0183	0.0185	0.0182
15	256QAM	36	20	19.01	19.04	19.05	0.0180	0.0182	0.0182
15	256QAM	36	39	19.11	19.18	18.97	0.0185	0.0187	0.0179
15	256QAM	75	0	19.10	19.24	19.03	0.0184	0.0190	0.0181
Channel				133172	133272	133422	EIRP(W)		
Frequency (MHz)				668	678	693	L	M	H
10	QPSK	1	0	24.09	24.23	24.04	0.0581	0.0600	0.0574
10	QPSK	1	25	24.04	24.20	24.23	0.0574	0.0596	0.0600
10	QPSK	1	49	24.00	24.18	23.97	0.0569	0.0593	0.0565
10	QPSK	25	0	23.23	23.37	23.19	0.0476	0.0492	0.0472
10	QPSK	25	12	23.27	23.18	23.20	0.0481	0.0471	0.0473
10	QPSK	25	25	23.19	23.25	23.22	0.0472	0.0479	0.0475
10	QPSK	50	0	23.07	23.10	22.87	0.0459	0.0462	0.0439
10	16QAM	1	0	22.93	23.04	22.88	0.0445	0.0456	0.0440
10	16QAM	1	25	22.90	22.87	22.91	0.0442	0.0439	0.0443
10	16QAM	1	49	22.83	23.05	22.81	0.0435	0.0457	0.0433
10	16QAM	25	0	22.08	22.10	22.17	0.0366	0.0367	0.0373
10	16QAM	25	12	21.82	21.91	21.95	0.0344	0.0352	0.0355
10	16QAM	25	25	21.84	22.00	21.94	0.0346	0.0359	0.0354
10	16QAM	50	0	22.14	22.28	22.24	0.0371	0.0383	0.0379
10	64QAM	1	0	21.85	22.09	21.89	0.0347	0.0366	0.0350
10	64QAM	1	25	21.74	22.03	21.92	0.0338	0.0361	0.0352
10	64QAM	1	49	21.87	22.22	21.77	0.0348	0.0378	0.0340
10	64QAM	25	0	21.00	21.17	21.23	0.0285	0.0296	0.0301
10	64QAM	25	12	20.94	21.13	21.03	0.0281	0.0294	0.0287
10	64QAM	25	25	21.07	21.15	21.01	0.0290	0.0295	0.0286
10	64QAM	50	0	20.99	21.31	21.19	0.0284	0.0306	0.0298
10	256QAM	1	0	18.96	19.13	18.81	0.0178	0.0185	0.0172
10	256QAM	1	25	18.98	18.96	18.95	0.0179	0.0178	0.0178
10	256QAM	1	49	18.97	18.82	18.82	0.0179	0.0173	0.0173
10	256QAM	25	0	19.03	19.14	18.99	0.0181	0.0186	0.0179
10	256QAM	25	12	19.03	19.01	18.99	0.0181	0.0180	0.0179
10	256QAM	25	25	19.06	19.15	18.91	0.0182	0.0186	0.0176

10	256QAM	50	0	18.99	19.19	19.13	0.0179	0.0188	0.0185
Channel				133147	133247	133447	EIRP(W)		
Frequency (MHz)				665.5	675.5	695.5	L	M	H
5	QPSK	1	0	24.18	24.21	24.03	0.0593	0.0597	0.0573
5	QPSK	1	12	24.04	24.13	24.23	0.0574	0.0586	0.0600
5	QPSK	1	24	24.08	24.04	24.02	0.0579	0.0574	0.0571
5	QPSK	12	0	23.28	23.43	23.21	0.0482	0.0499	0.0474
5	QPSK	12	7	23.19	23.11	23.17	0.0472	0.0463	0.0470
5	QPSK	12	13	23.23	23.27	23.18	0.0476	0.0481	0.0471
5	QPSK	25	0	22.97	23.14	22.89	0.0449	0.0467	0.0441
5	16QAM	1	0	23.00	22.99	22.94	0.0452	0.0451	0.0446
5	16QAM	1	12	22.95	22.89	22.79	0.0447	0.0441	0.0431
5	16QAM	1	24	22.74	23.01	22.90	0.0426	0.0453	0.0442
5	16QAM	12	0	22.00	22.00	22.01	0.0359	0.0359	0.0360
5	16QAM	12	7	21.79	21.92	22.00	0.0342	0.0352	0.0359
5	16QAM	12	13	21.92	22.02	22.00	0.0352	0.0361	0.0359
5	16QAM	25	0	22.09	22.40	22.26	0.0366	0.0394	0.0381
5	64QAM	1	0	21.82	22.10	21.91	0.0344	0.0367	0.0352
5	64QAM	1	12	21.87	22.08	21.92	0.0348	0.0366	0.0352
5	64QAM	1	24	21.75	22.23	21.77	0.0339	0.0378	0.0340
5	64QAM	12	0	21.03	21.10	21.23	0.0287	0.0292	0.0301
5	64QAM	12	7	20.85	21.15	20.96	0.0275	0.0295	0.0282
5	64QAM	12	13	21.07	21.05	21.03	0.0290	0.0288	0.0287
5	64QAM	25	0	21.05	21.33	21.30	0.0288	0.0308	0.0305
5	256QAM	1	0	19.02	19.10	18.91	0.0181	0.0184	0.0176
5	256QAM	1	12	18.99	19.03	18.91	0.0179	0.0181	0.0176
5	256QAM	1	24	18.96	18.82	18.87	0.0178	0.0173	0.0175
5	256QAM	12	0	19.04	19.02	19.07	0.0182	0.0181	0.0183
5	256QAM	12	7	19.09	19.04	18.92	0.0184	0.0182	0.0177
5	256QAM	12	13	19.01	19.17	18.87	0.0180	0.0187	0.0175
5	256QAM	25	0	19.13	19.20	19.14	0.0185	0.0188	0.0186

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	4.23	5.36	6.00	PASS

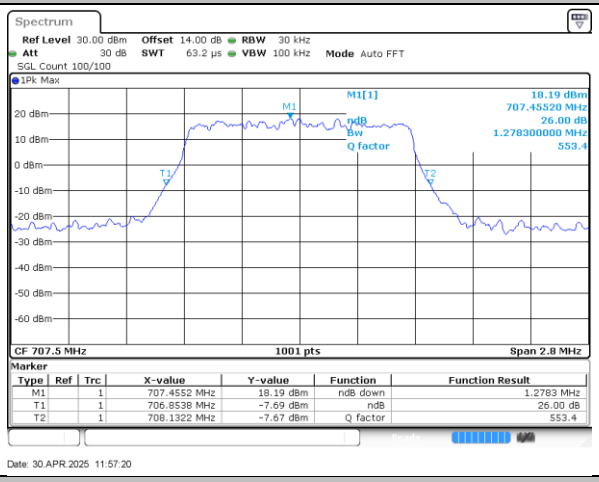
LTE Band 12 / 10MHz / QPSK	LTE Band 12 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 12 / 10MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

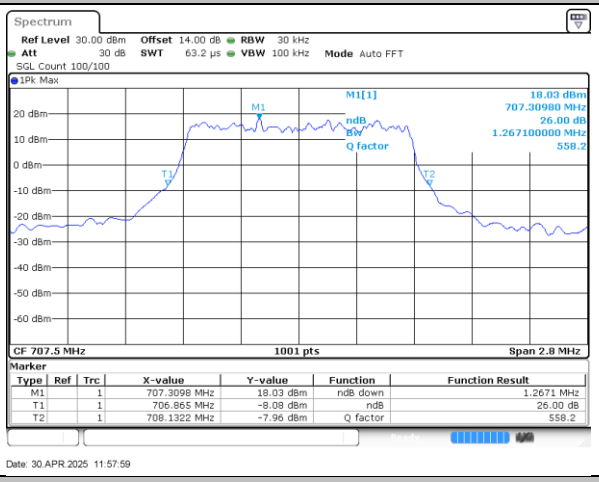
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.28	1.27	2.98	2.97	4.97	4.88	9.63	9.73	-	-	-	-

LTE Band 12

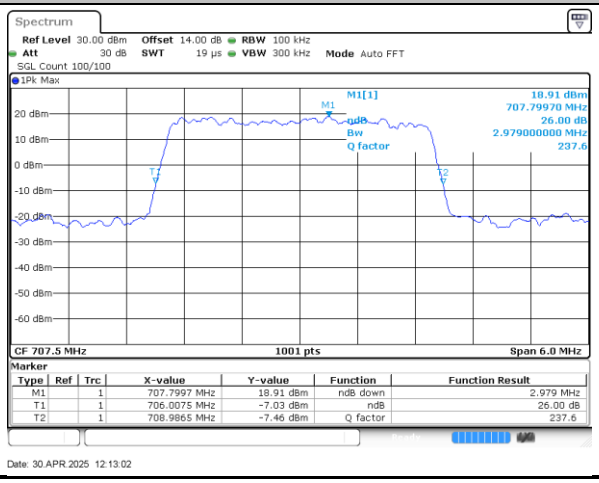
Middle Channel / 1.4MHz / QPSK



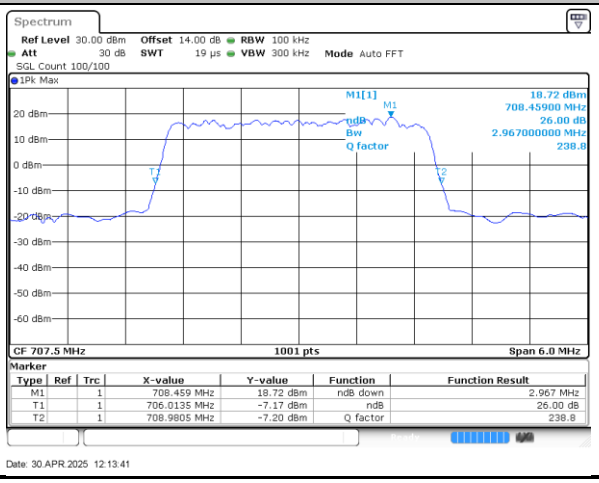
Middle Channel / 1.4MHz / 16QAM



Middle Channel / 3MHz / QPSK

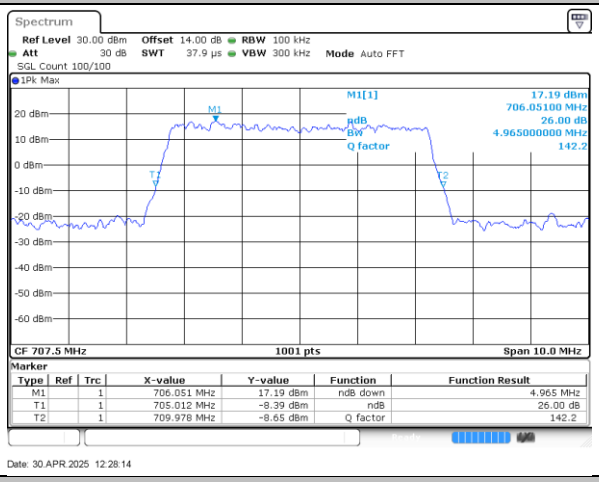


Middle Channel / 3MHz / 16QAM

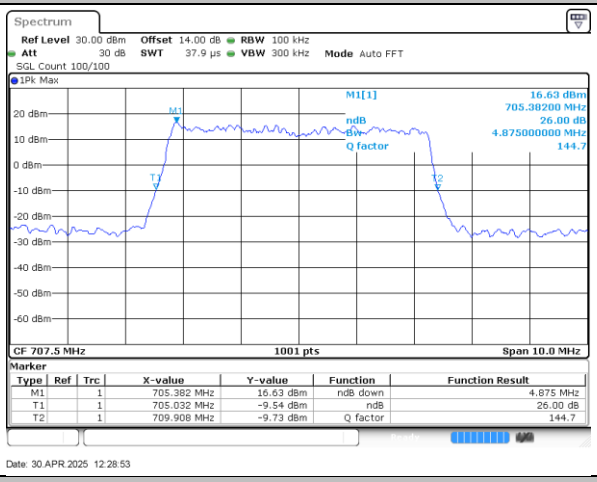


LTE Band 12

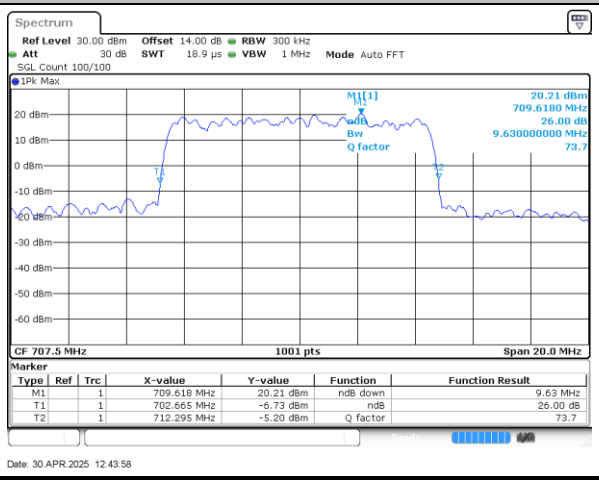
Middle Channel / 5MHz / QPSK



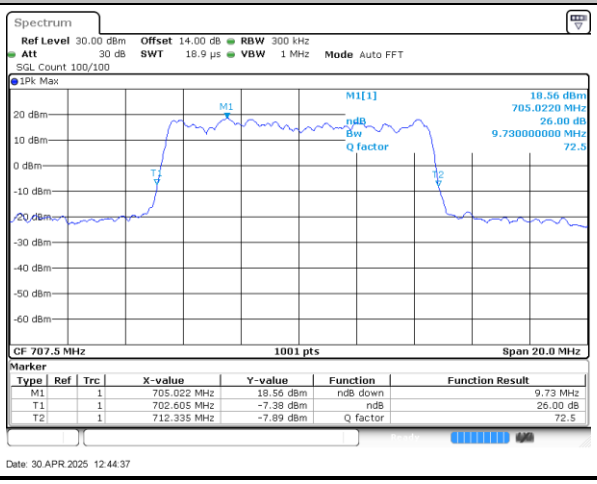
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

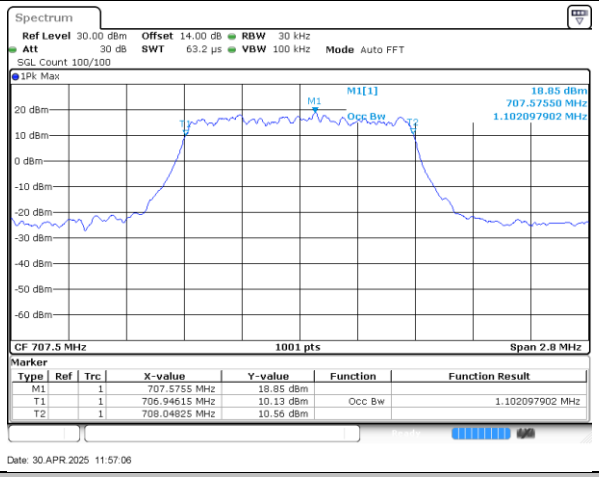


Occupied Bandwidth

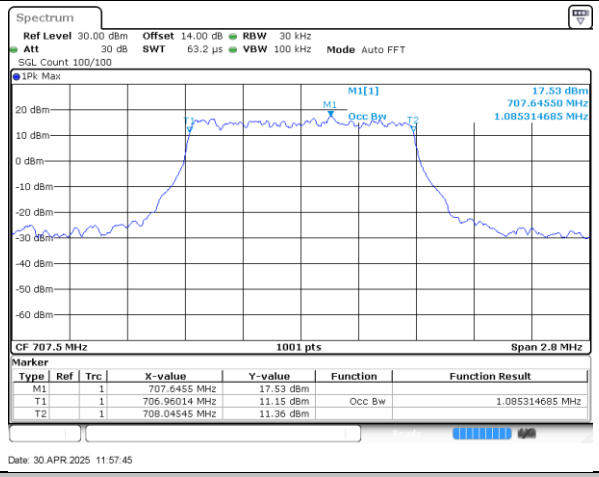
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	1.09	2.71	2.71	4.48	4.49	9.05	9.03	-	-	-	-

LTE Band 12

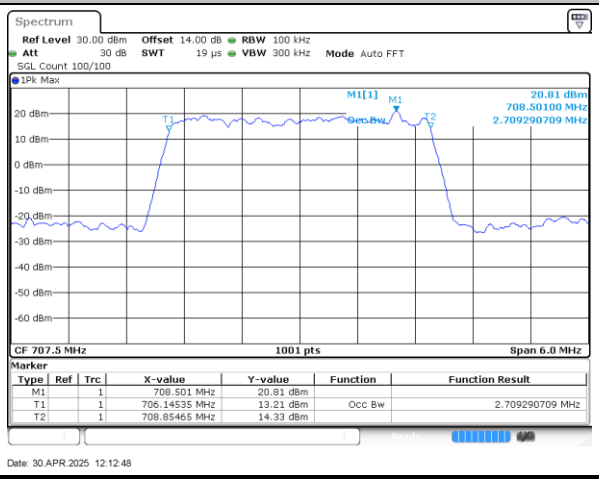
Middle Channel / 1.4MHz / QPSK



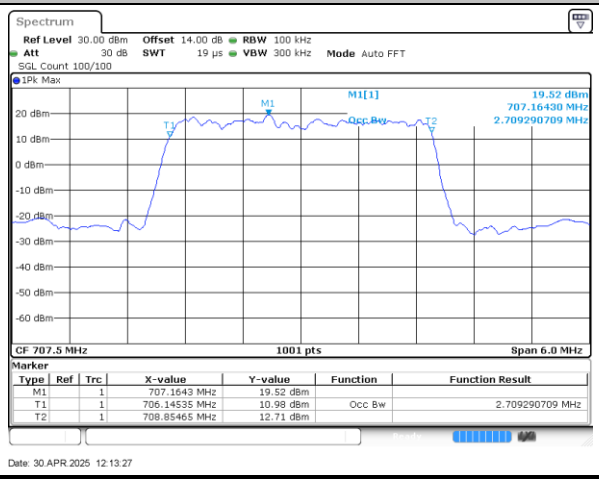
Middle Channel / 1.4MHz / 16QAM



Middle Channel / 3MHz / QPSK

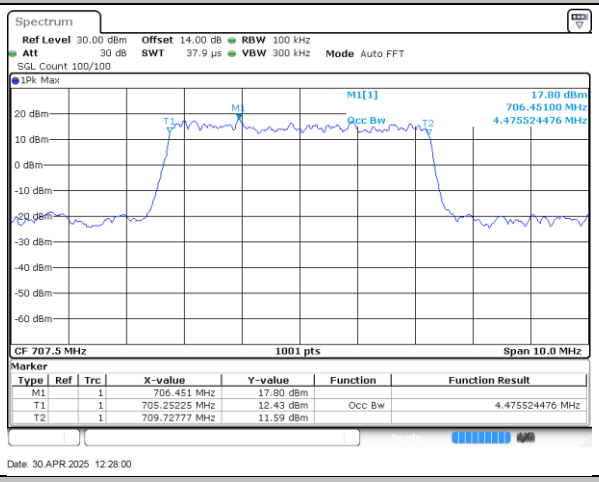


Middle Channel / 3MHz / 16QAM

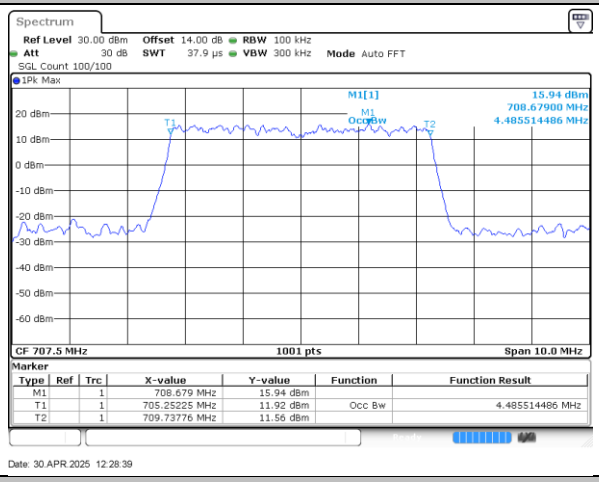


LTE Band 12

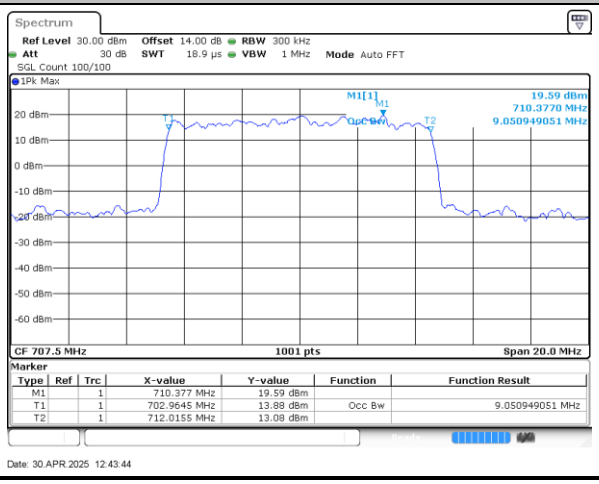
Middle Channel / 5MHz / QPSK



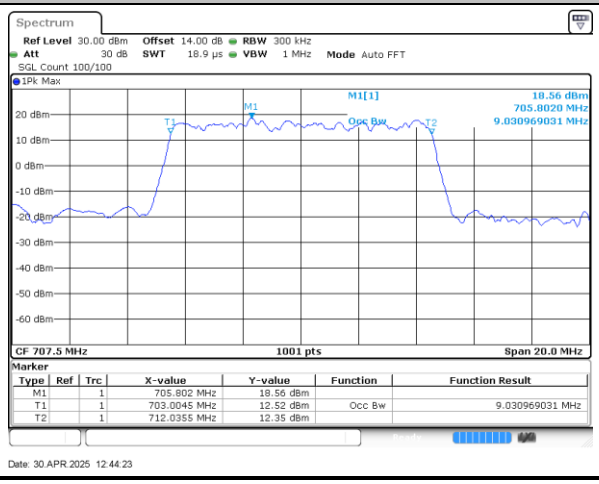
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



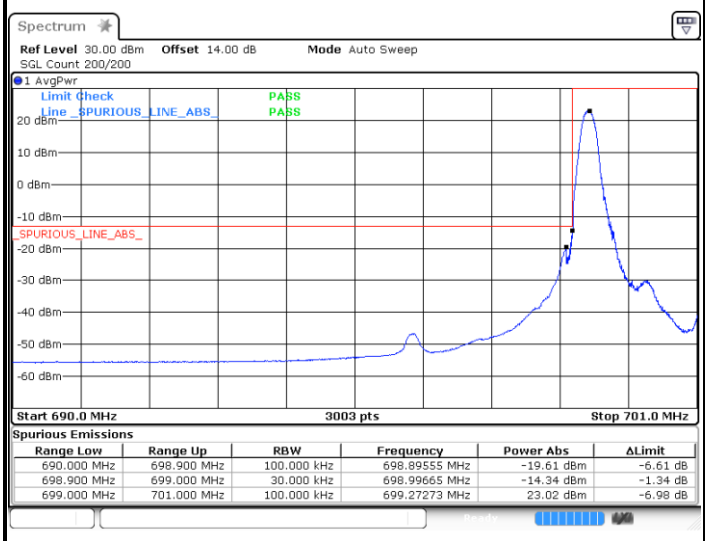
Middle Channel / 10MHz / 16QAM



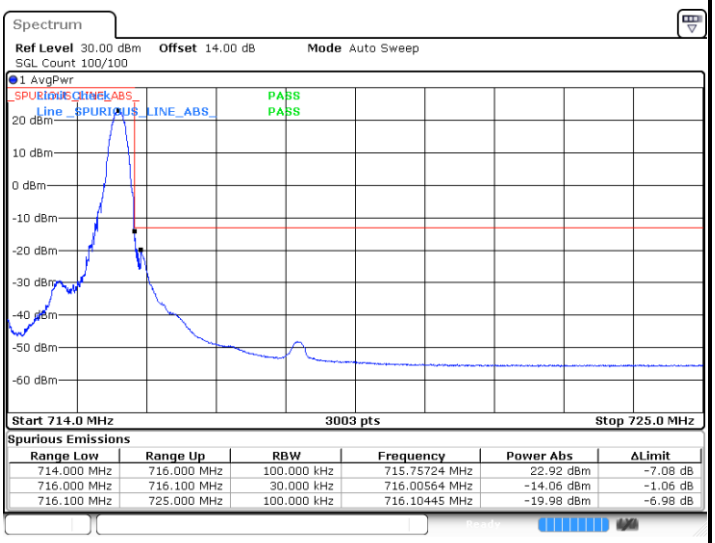
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

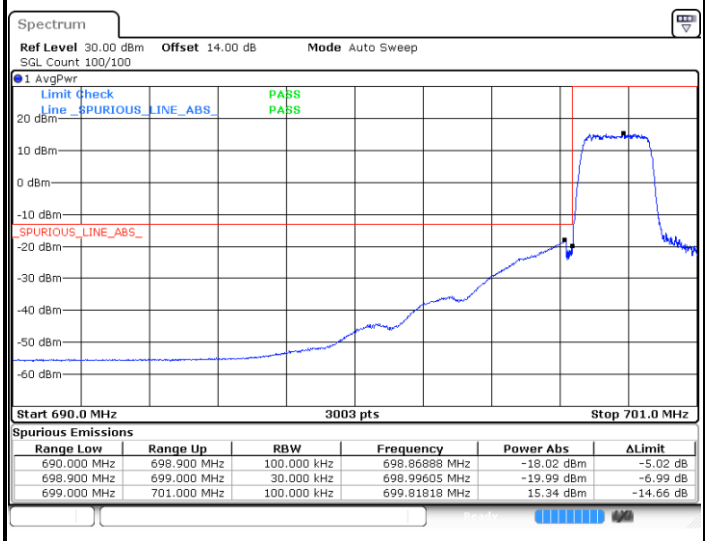
Lowest Band Edge / 1RB



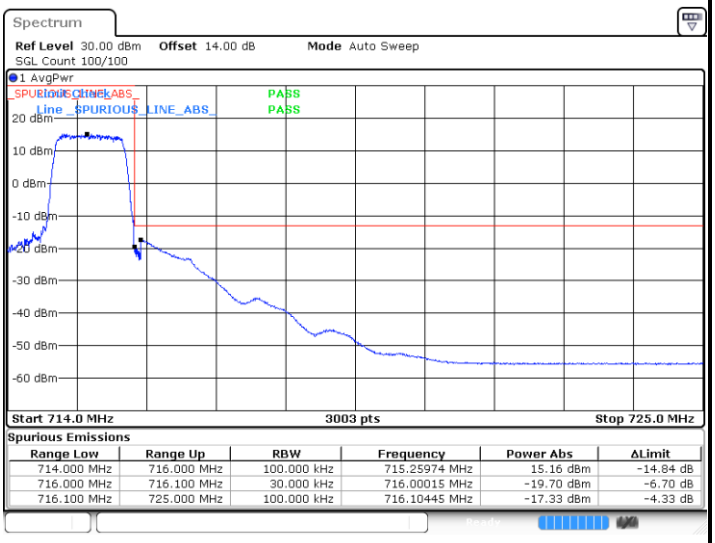
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

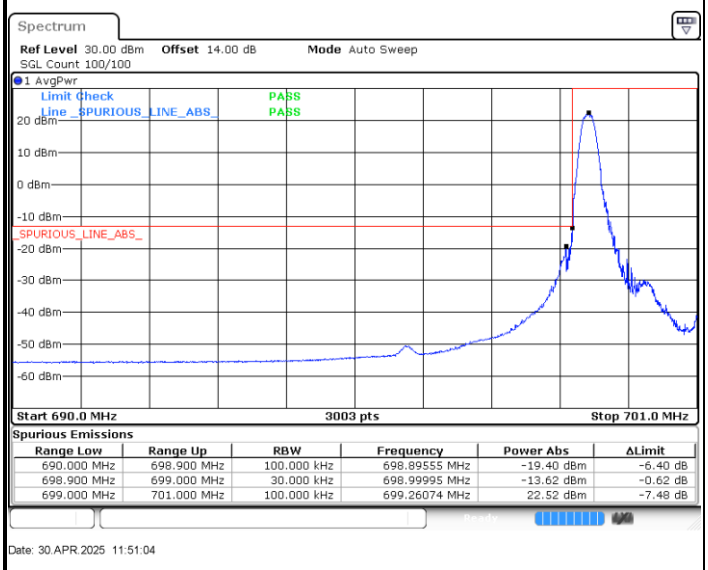


Highest Band Edge / Full RB



LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

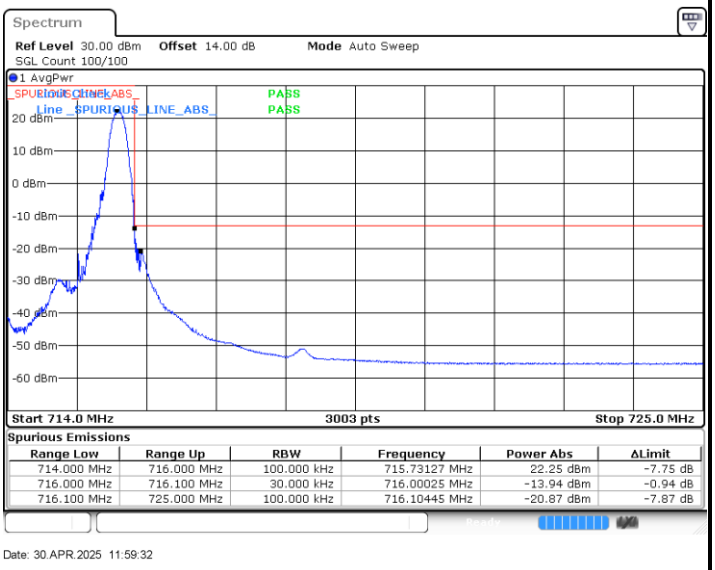


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-19.40 dBm	-6.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-13.62 dBm	-0.62 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.26074 MHz	22.52 dBm	-7.48 dB

Date: 30.APR.2025 11:51:04

Highest Band Edge / 1 RB

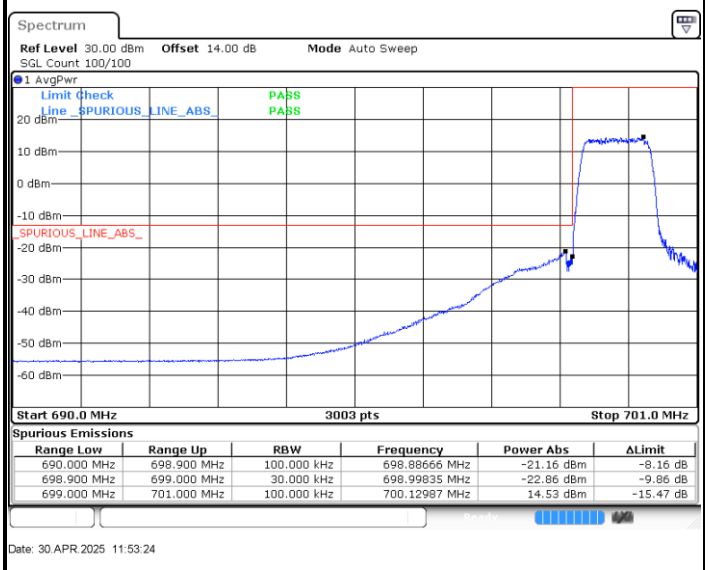


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.73127 MHz	22.25 dBm	-7.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00025 MHz	-13.94 dBm	-0.94 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.87 dBm	-7.87 dB

Date: 30.APR.2025 11:59:32

Lowest Band Edge / Full RB

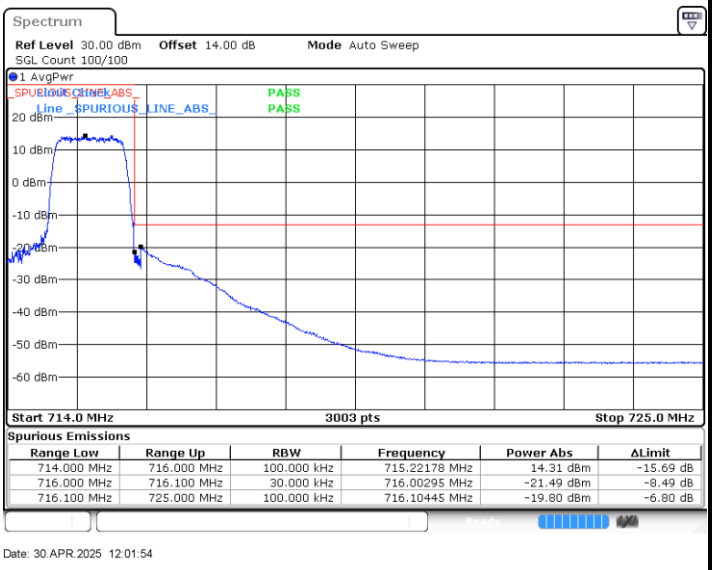


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-21.16 dBm	-8.16 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99835 MHz	-22.86 dBm	-9.86 dB
699.000 MHz	701.000 MHz	100.000 kHz	700.12987 MHz	14.53 dBm	-15.47 dB

Date: 30.APR.2025 11:53:24

Highest Band Edge / Full RB



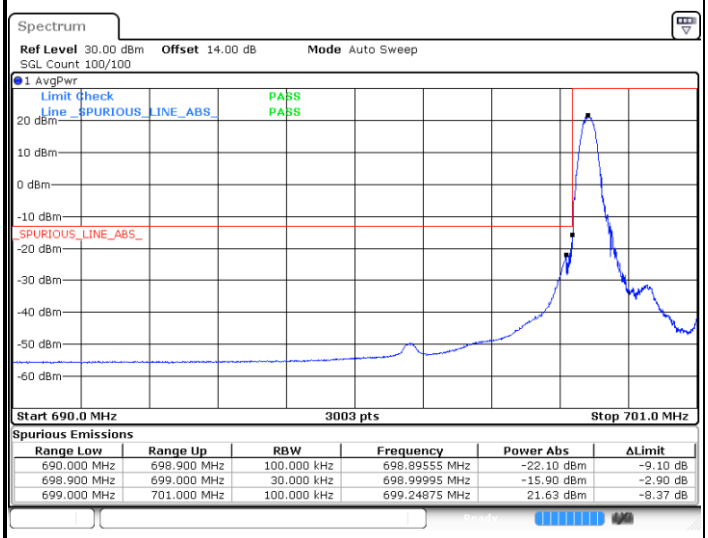
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.22178 MHz	14.31 dBm	-15.69 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00295 MHz	-21.49 dBm	-8.49 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-19.80 dBm	-6.80 dB

Date: 30.APR.2025 12:01:54

LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

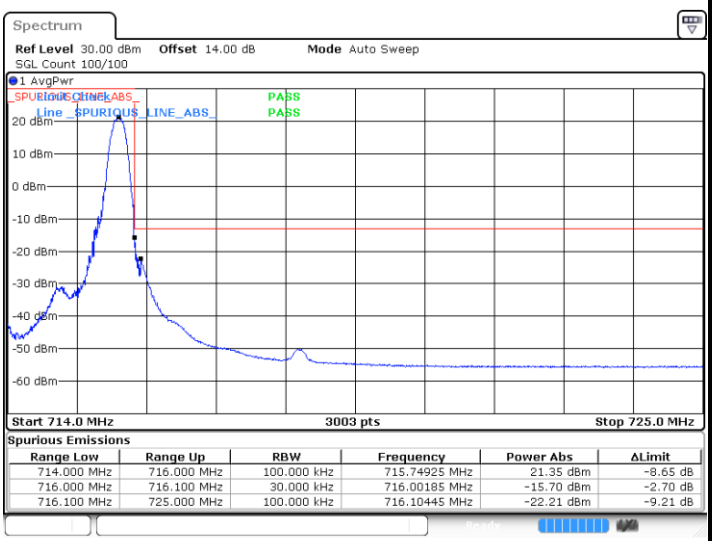


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-22.10 dBm	-9.10 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-15.90 dBm	-2.90 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.24875 MHz	21.63 dBm	-8.37 dB

Date: 30.APR.2025 11:51:49

Highest Band Edge / 1 RB

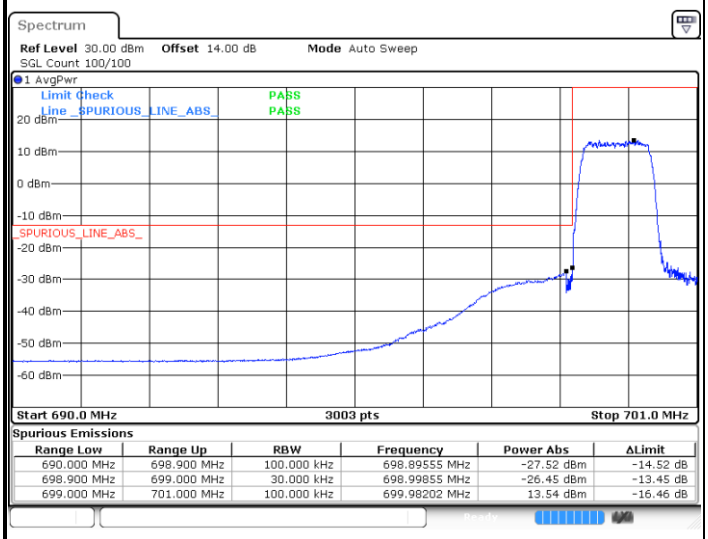


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.74925 MHz	21.35 dBm	-8.65 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-15.70 dBm	-2.70 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-22.21 dBm	-9.21 dB

Date: 30.APR.2025 12:00:19

Lowest Band Edge / Full RB

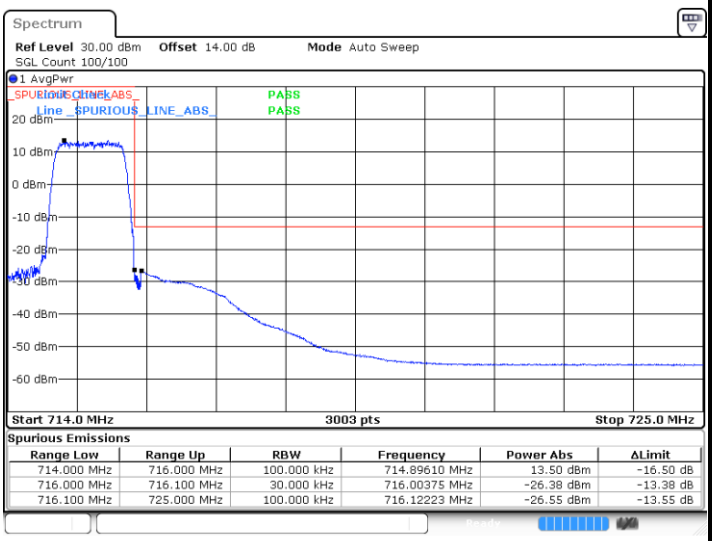


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.52 dBm	-14.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99855 MHz	-26.45 dBm	-13.45 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.98202 MHz	13.54 dBm	-16.46 dB

Date: 30.APR.2025 11:54:11

Highest Band Edge / Full RB



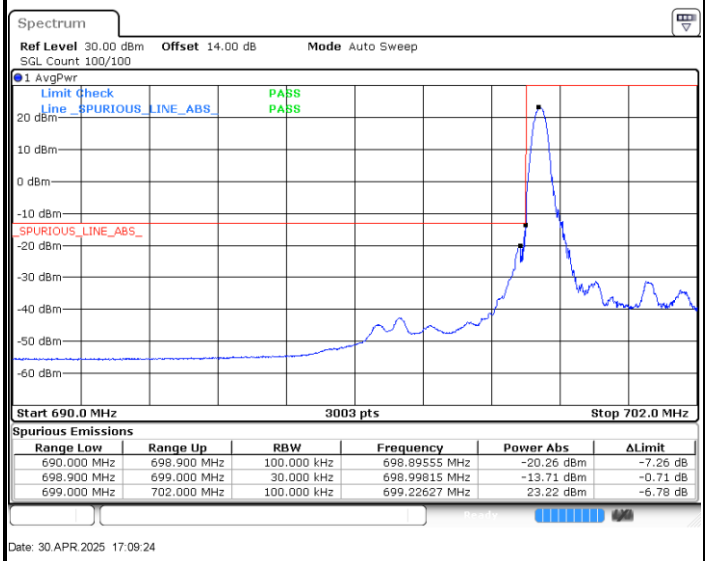
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	714.89610 MHz	13.50 dBm	-16.50 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00375 MHz	-26.38 dBm	-13.38 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-26.55 dBm	-13.55 dB

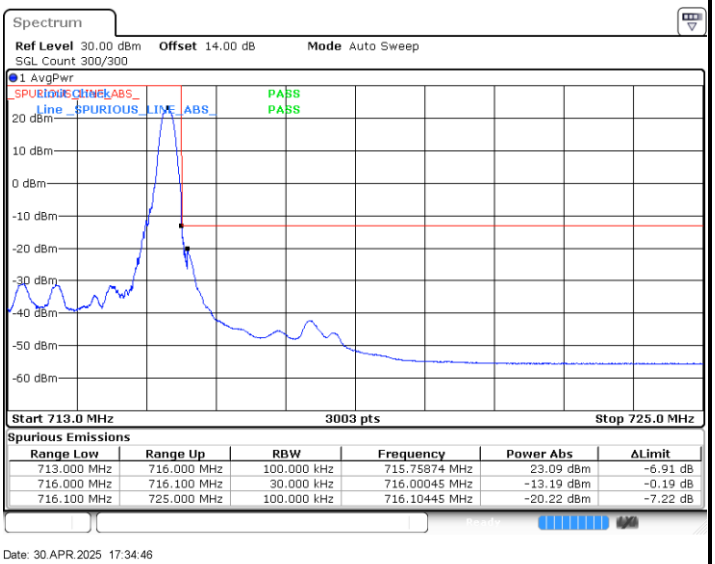
Date: 30.APR.2025 12:02:41

LTE Band 12 / 3MHz / QPSK

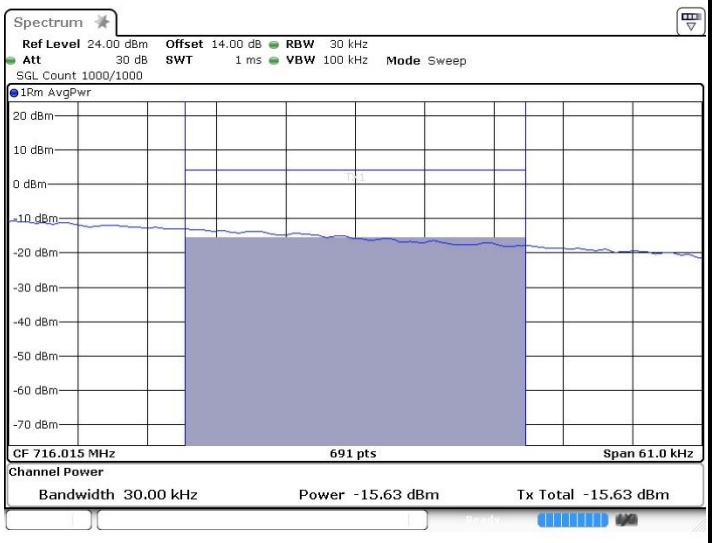
Lowest Band Edge / 1RB



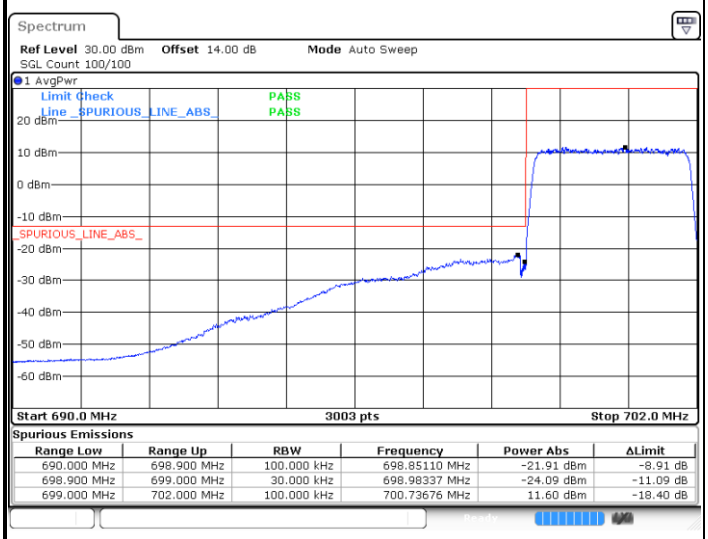
Highest Band Edge / 1RB



Highest Band Edge / 1RB-CP



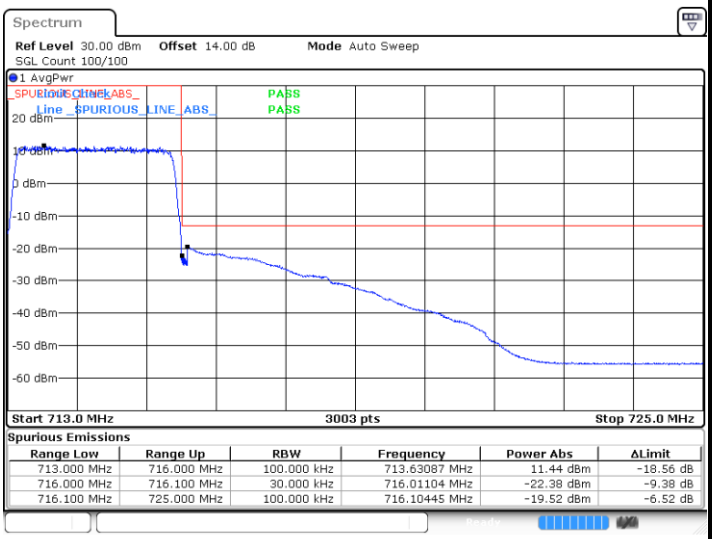
Lowest Band Edge / Full RB	Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.85110 MHz	-21.91 dBm	-8.91 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98337 MHz	-24.09 dBm	-11.09 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.73676 MHz	11.60 dBm	-18.40 dB

Date: 30.APR.2025 12:08:19



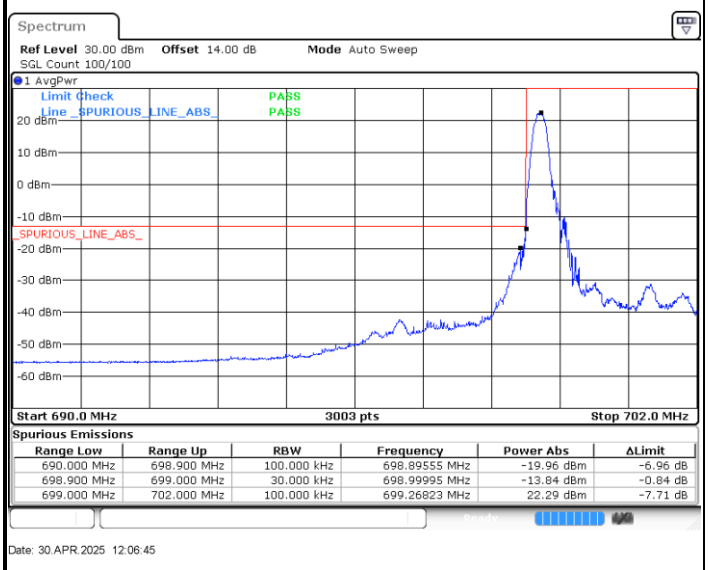
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.63087 MHz	11.44 dBm	-18.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01104 MHz	-22.38 dBm	-9.38 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-19.52 dBm	-6.52 dB

Date: 30.APR.2025 12:16:50

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

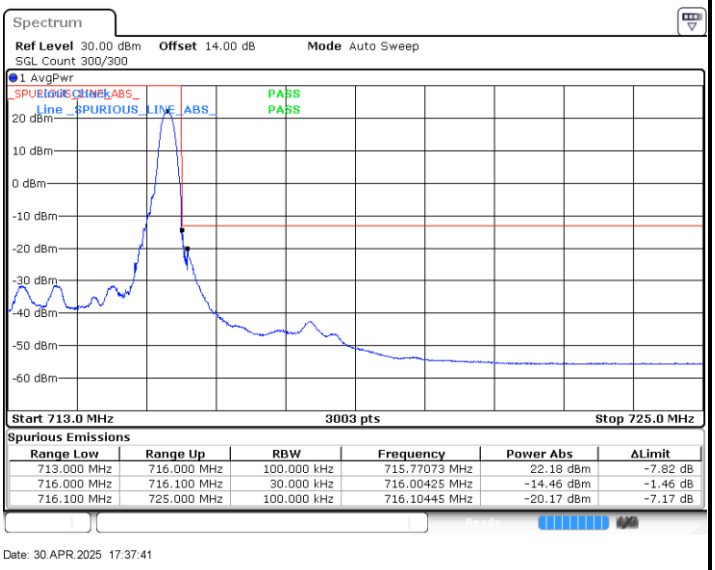


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-19.96 dBm	-6.96 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-13.84 dBm	-0.84 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.26823 MHz	22.29 dBm	-7.71 dB

Date: 30.APR.2025 12:06:45

Highest Band Edge / 1 RB

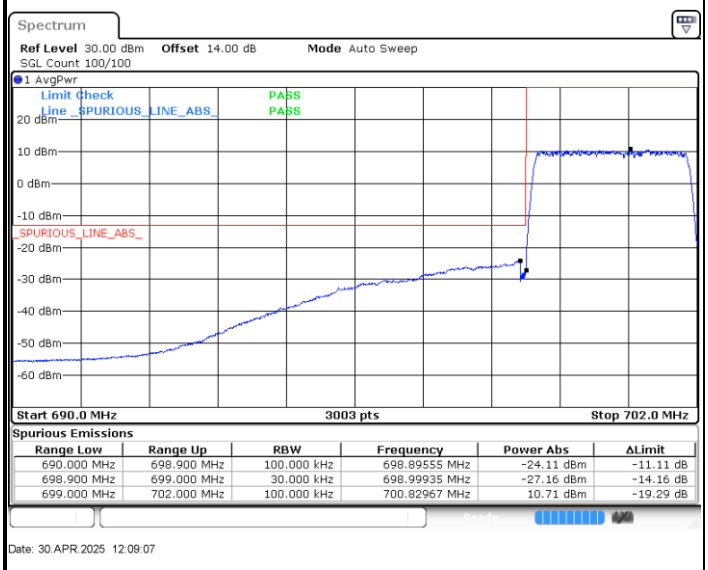


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.77073 MHz	22.18 dBm	-7.82 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00425 MHz	-14.46 dBm	-1.46 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.17 dBm	-7.17 dB

Date: 30.APR.2025 17:37:41

Lowest Band Edge / Full RB

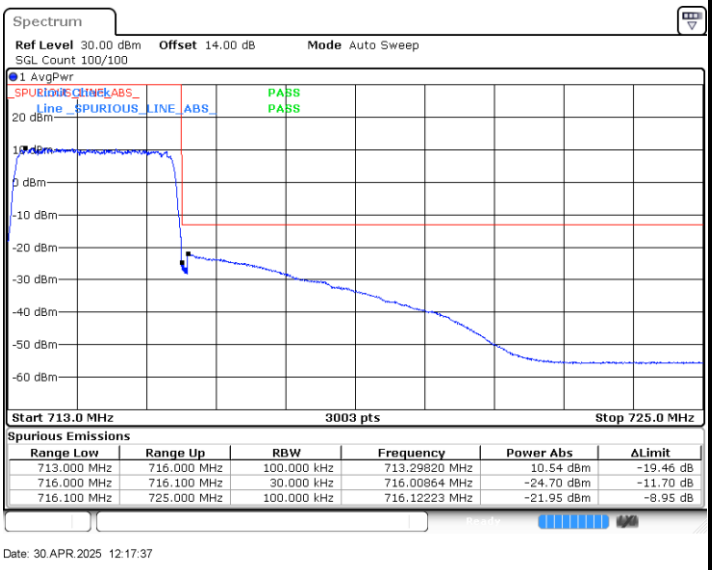


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-24.11 dBm	-11.11 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99935 MHz	-27.16 dBm	-14.16 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.82967 MHz	10.71 dBm	-19.29 dB

Date: 30.APR.2025 12:09:07

Highest Band Edge / Full RB



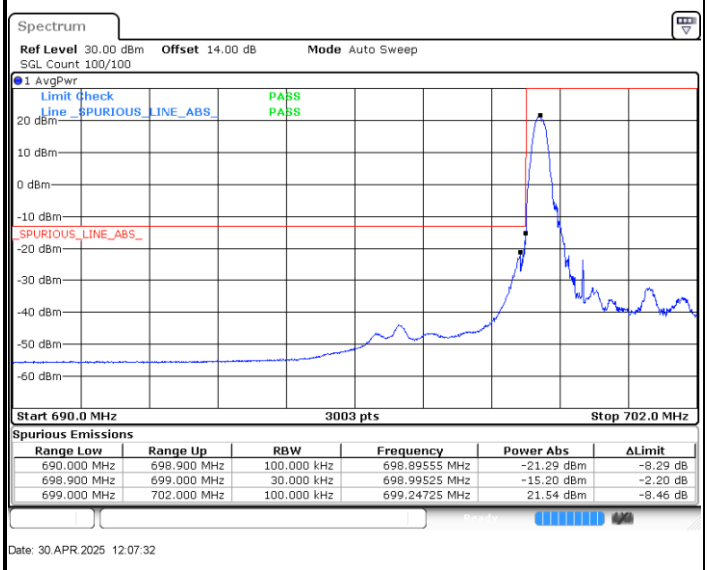
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.29820 MHz	10.54 dBm	-19.46 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00864 MHz	-24.70 dBm	-11.70 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-21.95 dBm	-8.95 dB

Date: 30.APR.2025 12:17:37

LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

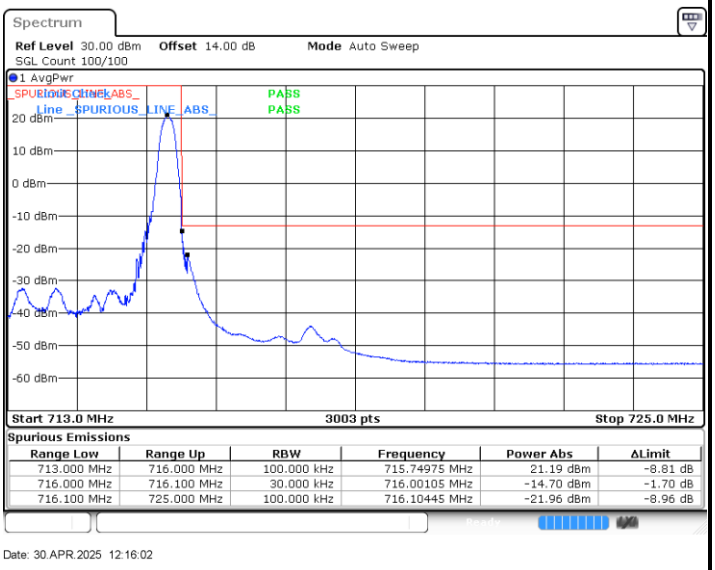


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-21.29 dBm	-8.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99525 MHz	-15.20 dBm	-2.20 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.24725 MHz	21.54 dBm	-8.46 dB

Date: 30.APR.2025 12:07:32

Highest Band Edge / 1 RB

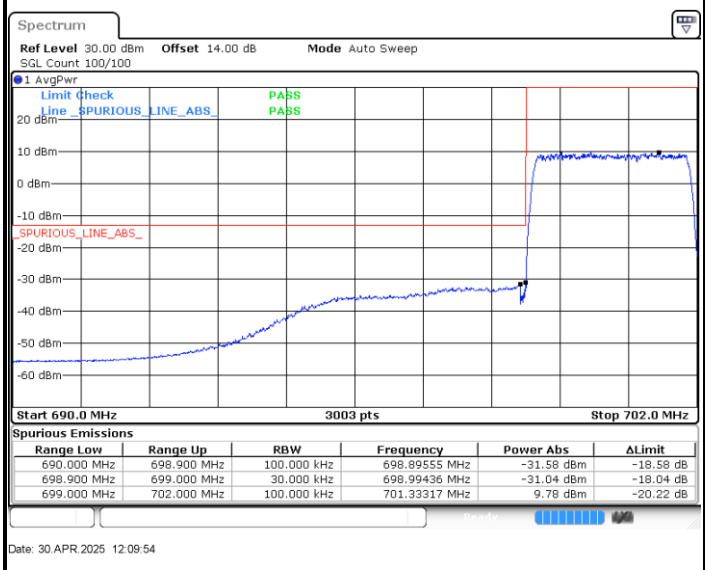


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.74975 MHz	21.19 dBm	-8.81 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00105 MHz	-14.70 dBm	-1.70 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.96 dBm	-8.96 dB

Date: 30.APR.2025 12:16:02

Lowest Band Edge / Full RB

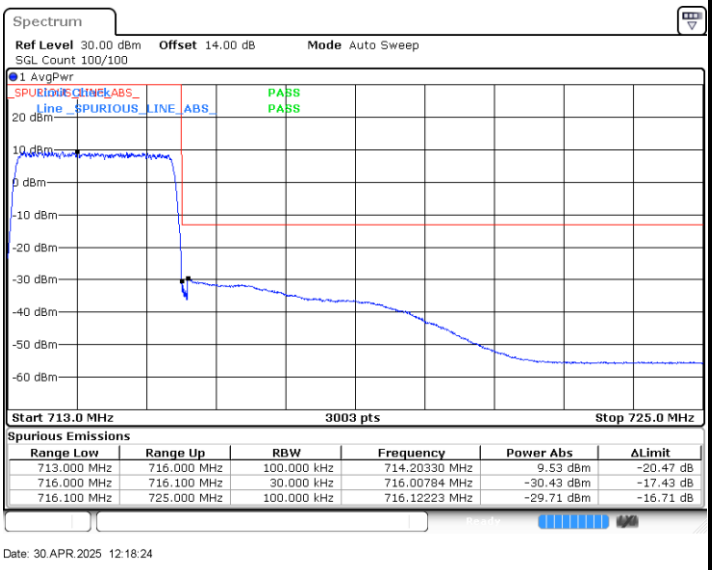


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.58 dBm	-18.58 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99436 MHz	-31.04 dBm	-18.04 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.33317 MHz	9.78 dBm	-20.22 dB

Date: 30.APR.2025 12:09:54

Highest Band Edge / Full RB



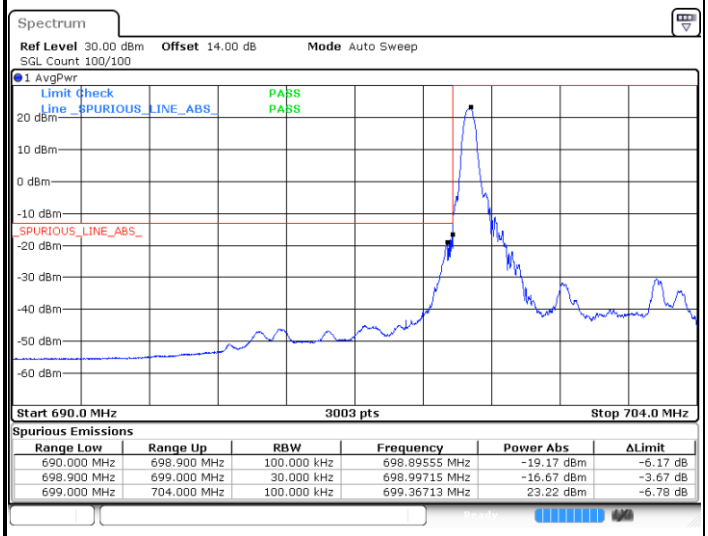
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.20330 MHz	9.53 dBm	-20.47 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00784 MHz	-30.43 dBm	-17.43 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-29.71 dBm	-16.71 dB

Date: 30.APR.2025 12:18:24

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1RB

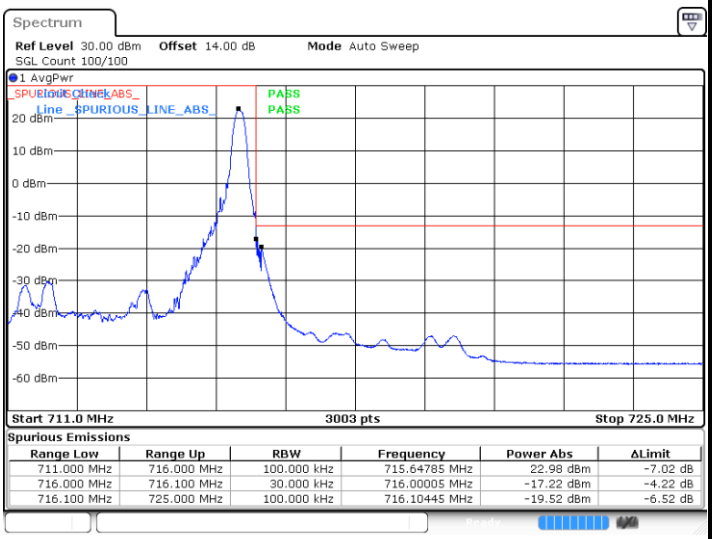


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-19.17 dBm	-6.17 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99715 MHz	-16.67 dBm	-3.67 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.36713 MHz	23.22 dBm	-6.78 dB

Date: 30.APR.2025 12:21:09

Highest Band Edge / 1RB

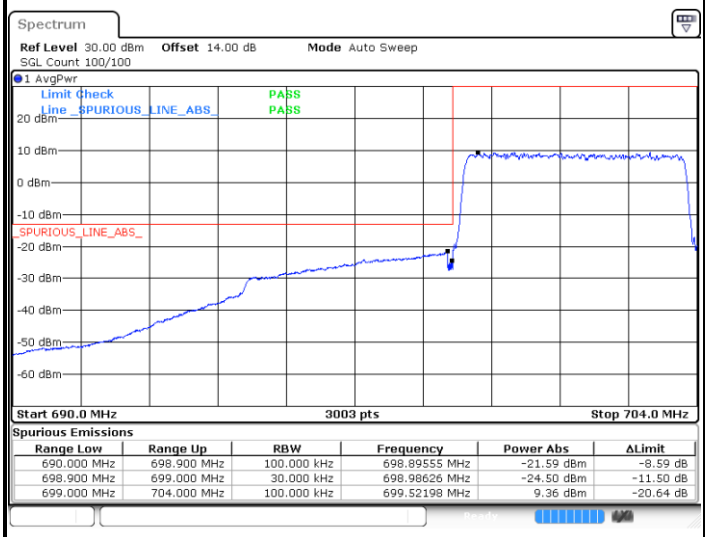


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64785 MHz	22.98 dBm	-7.02 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00005 MHz	-17.22 dBm	-4.22 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-19.52 dBm	-6.52 dB

Date: 30.APR.2025 12:29:39

Lowest Band Edge / Full RB

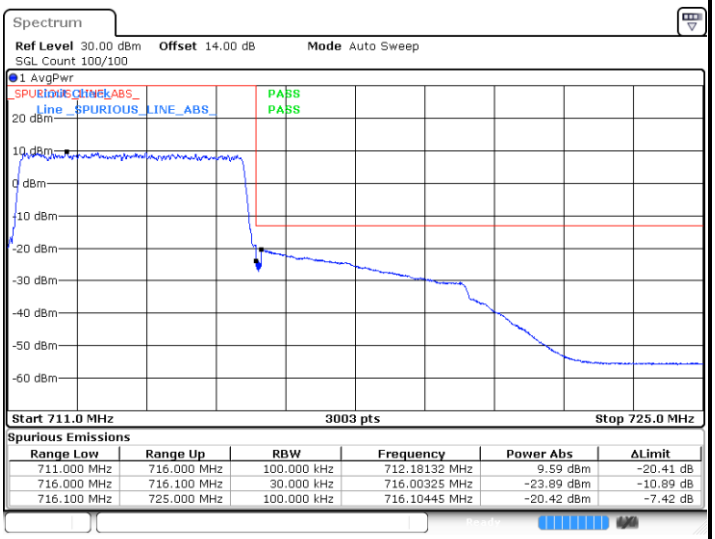


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-21.59 dBm	-8.59 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98626 MHz	-24.50 dBm	-11.50 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.52198 MHz	9.36 dBm	-20.64 dB

Date: 30.APR.2025 12:23:30

Highest Band Edge / Full RB



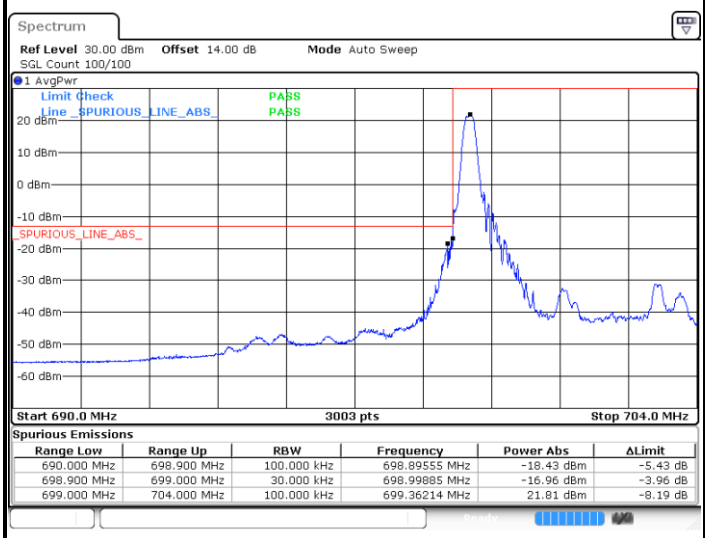
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.18132 MHz	9.59 dBm	-20.41 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00325 MHz	-23.89 dBm	-10.89 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.42 dBm	-7.42 dB

Date: 30.APR.2025 12:32:02

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

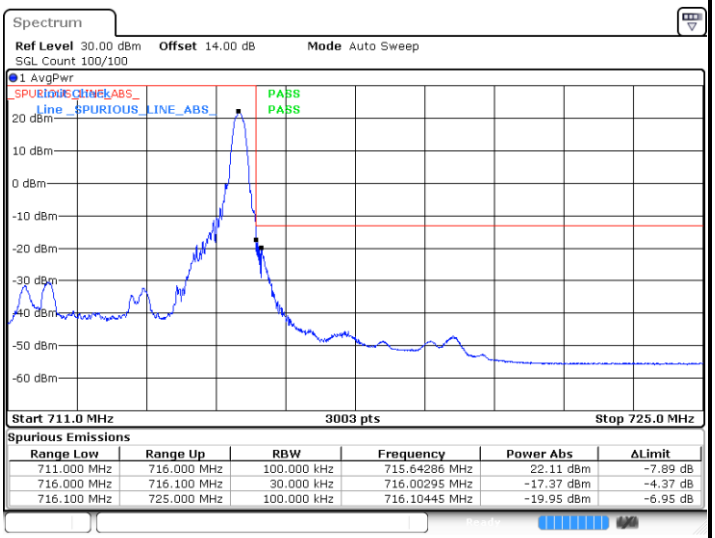


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-18.43 dBm	-5.43 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99885 MHz	-16.96 dBm	-3.96 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.36214 MHz	21.81 dBm	-8.19 dB

Date: 30.APR.2025 12:21:56

Highest Band Edge / 1 RB

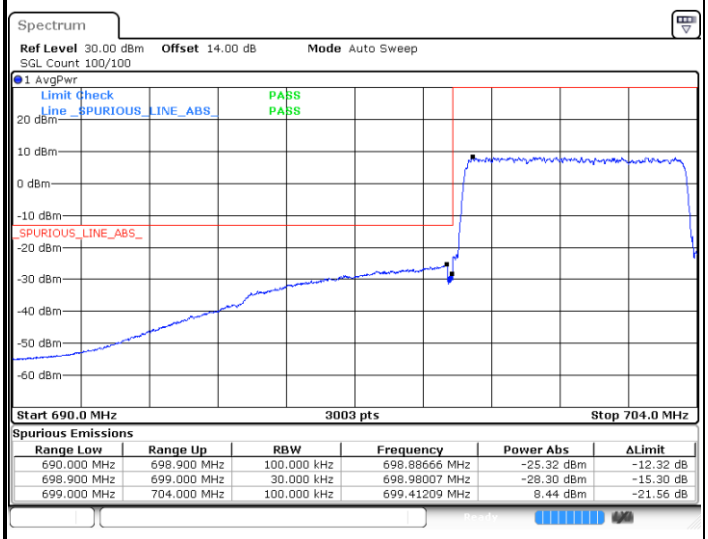


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64286 MHz	22.11 dBm	-7.89 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00295 MHz	-17.37 dBm	-4.37 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-19.95 dBm	-6.95 dB

Date: 30.APR.2025 12:30:27

Lowest Band Edge / Full RB

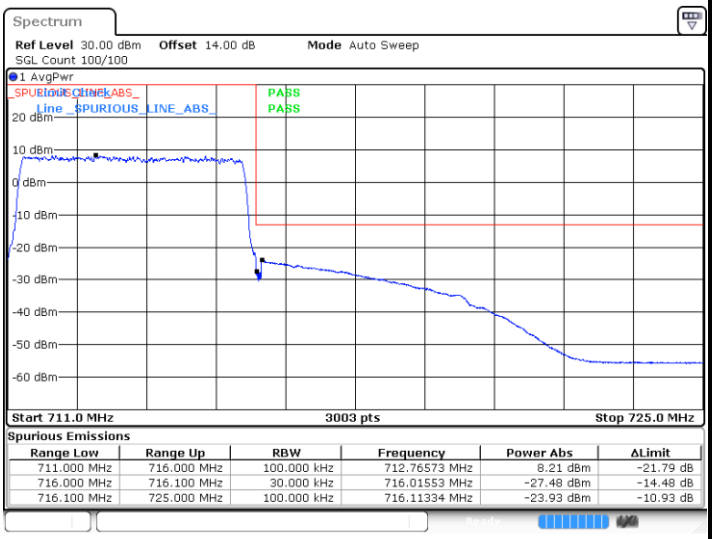


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-25.32 dBm	-12.32 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98007 MHz	-28.30 dBm	-15.30 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.41209 MHz	8.44 dBm	-21.56 dB

Date: 30.APR.2025 12:24:18

Highest Band Edge / Full RB



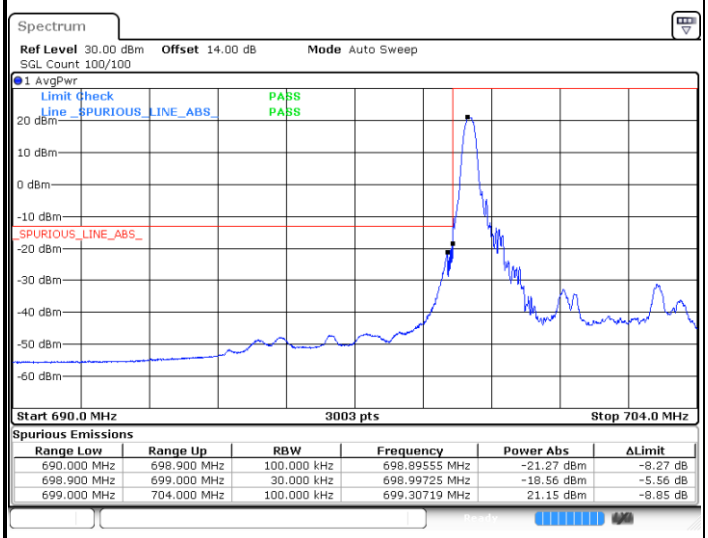
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.76573 MHz	8.21 dBm	-21.79 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01553 MHz	-27.48 dBm	-14.48 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-23.93 dBm	-10.93 dB

Date: 30.APR.2025 12:32:49

LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

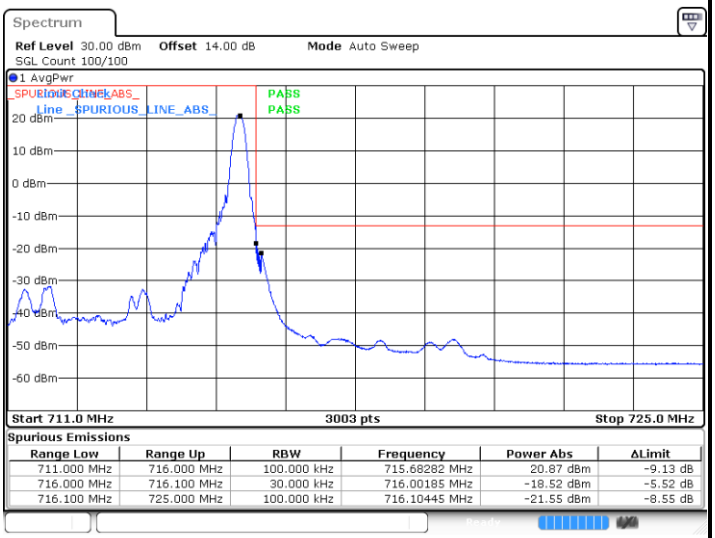


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-21.27 dBm	-8.27 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99725 MHz	-18.56 dBm	-5.56 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.30719 MHz	21.15 dBm	-8.85 dB

Date: 30.APR.2025 12:22:43

Highest Band Edge / 1 RB

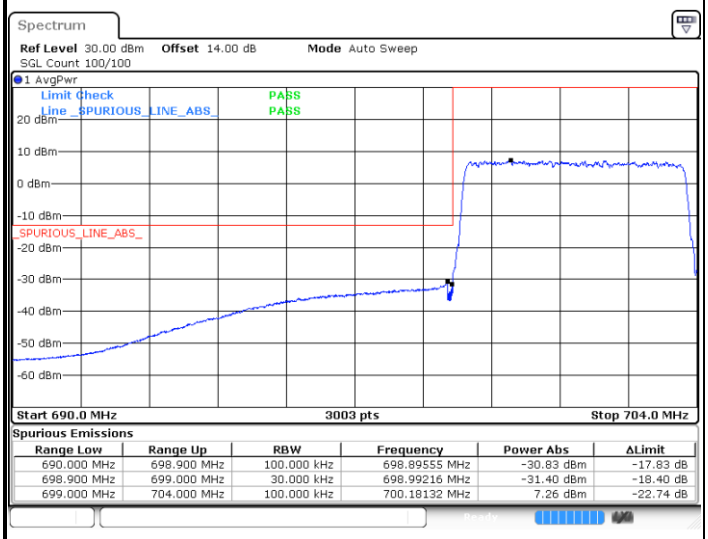


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.68282 MHz	20.87 dBm	-9.13 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-18.52 dBm	-5.52 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.55 dBm	-8.55 dB

Date: 30.APR.2025 12:31:14

Lowest Band Edge / Full RB

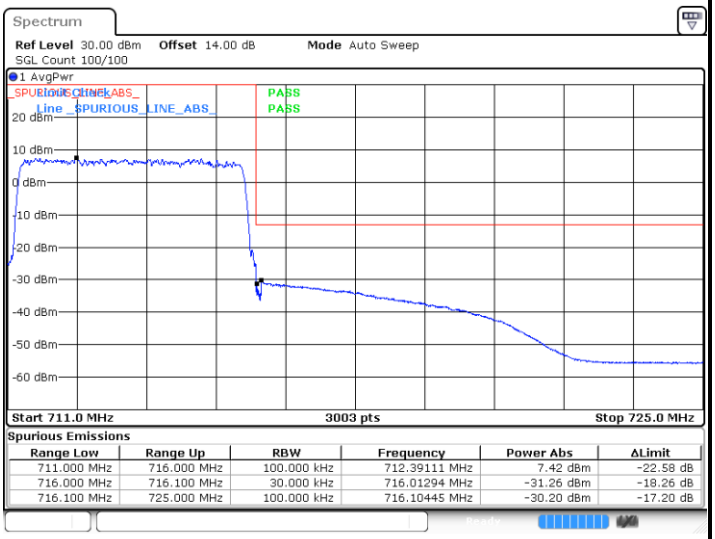


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.83 dBm	-17.83 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99216 MHz	-31.40 dBm	-18.40 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.18132 MHz	7.26 dBm	-22.74 dB

Date: 30.APR.2025 12:25:05

Highest Band Edge / Full RB



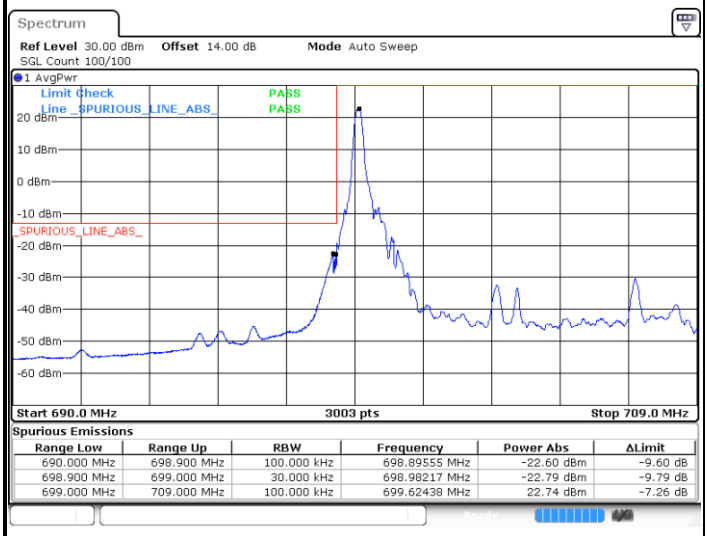
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.39111 MHz	7.42 dBm	-22.58 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01294 MHz	-31.26 dBm	-18.26 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.20 dBm	-17.20 dB

Date: 30.APR.2025 12:33:36

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1RB

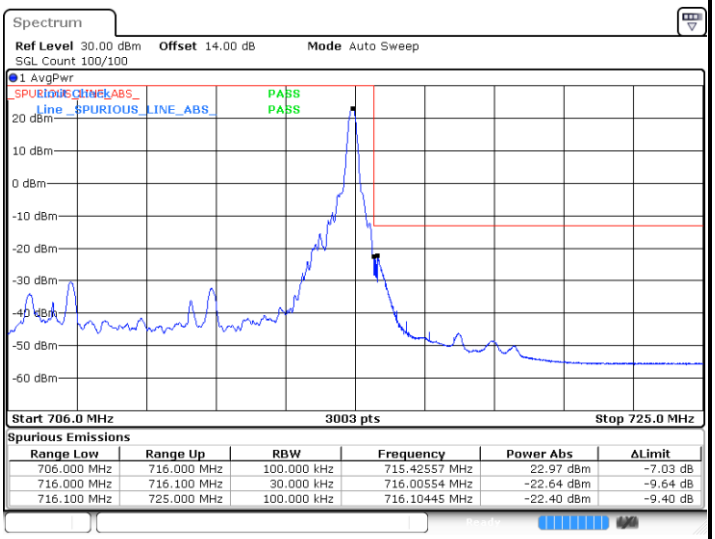


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-22.60 dBm	-9.60 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98217 MHz	-22.79 dBm	-9.79 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.62438 MHz	22.74 dBm	-7.26 dB

Date: 30.APR.2025 12:36:53

Highest Band Edge / 1RB

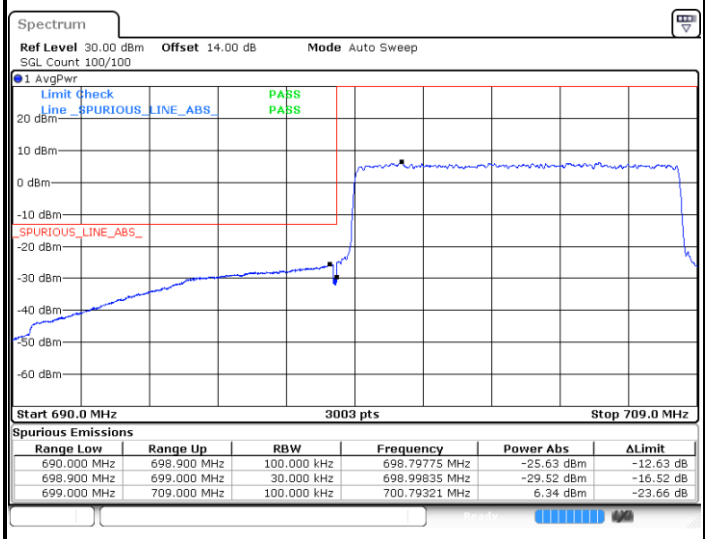


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.42557 MHz	22.97 dBm	-7.03 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00554 MHz	-22.64 dBm	-9.64 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-22.40 dBm	-9.40 dB

Date: 30.APR.2025 12:45:24

Lowest Band Edge / Full RB

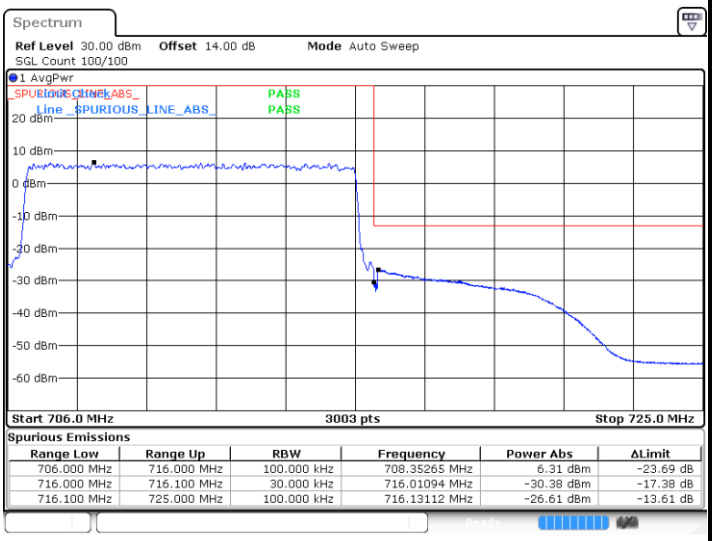


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.79775 MHz	-25.63 dBm	-12.63 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99835 MHz	-29.52 dBm	-16.52 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.79321 MHz	6.34 dBm	-23.66 dB

Date: 30.APR.2025 12:39:15

Highest Band Edge / Full RB



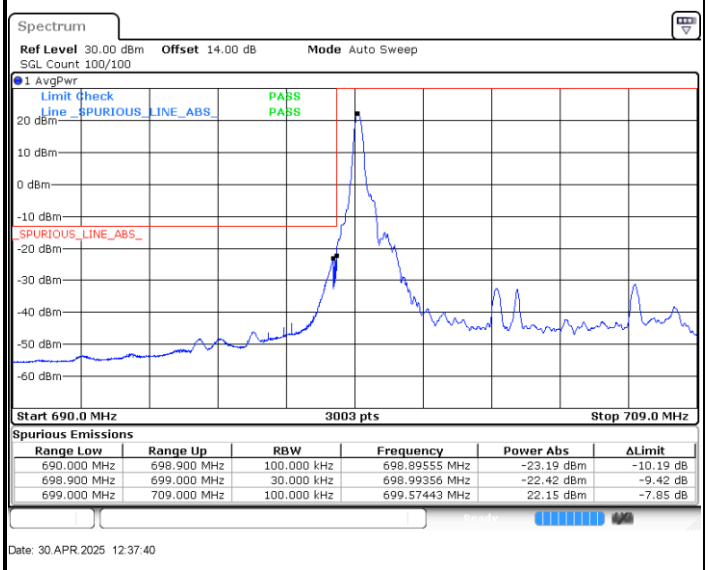
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	708.35265 MHz	6.31 dBm	-23.69 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01094 MHz	-30.38 dBm	-17.38 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-26.61 dBm	-13.61 dB

Date: 30.APR.2025 12:47:45

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

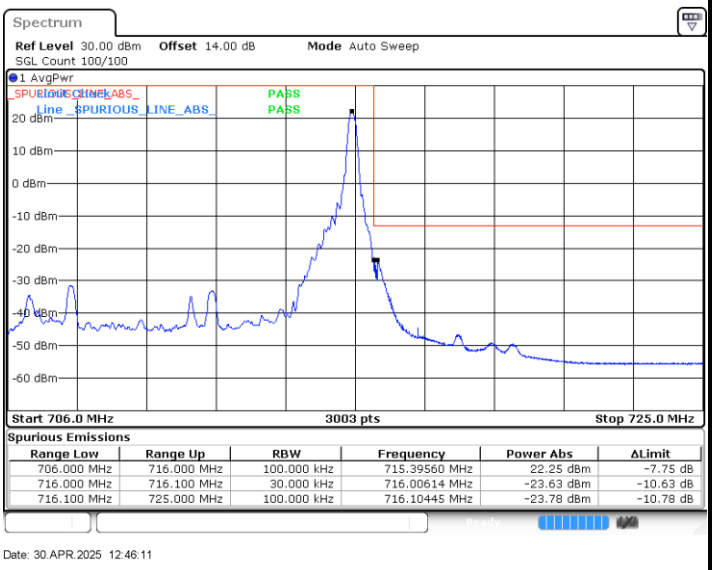


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-23.19 dBm	-10.19 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99356 MHz	-22.42 dBm	-9.42 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	22.15 dBm	-7.85 dB

Date: 30.APR.2025 12:37:40

Highest Band Edge / 1 RB

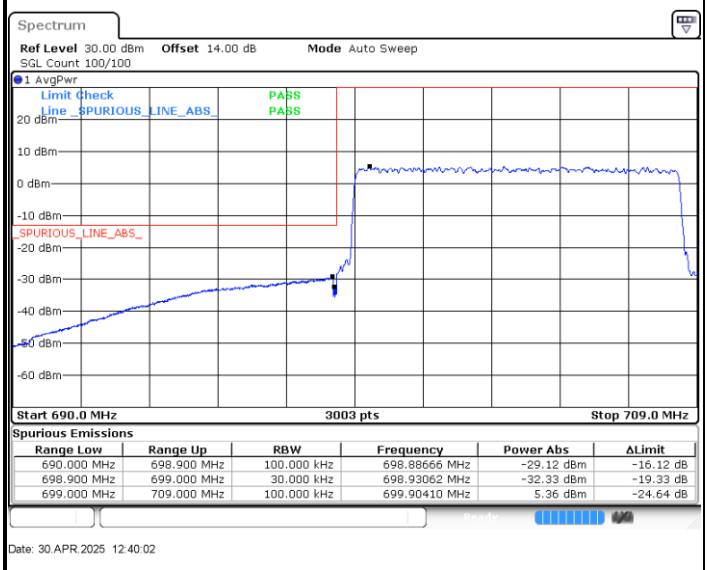


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	22.25 dBm	-7.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00614 MHz	-23.63 dBm	-10.63 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-23.78 dBm	-10.78 dB

Date: 30.APR.2025 12:46:11

Lowest Band Edge / Full RB

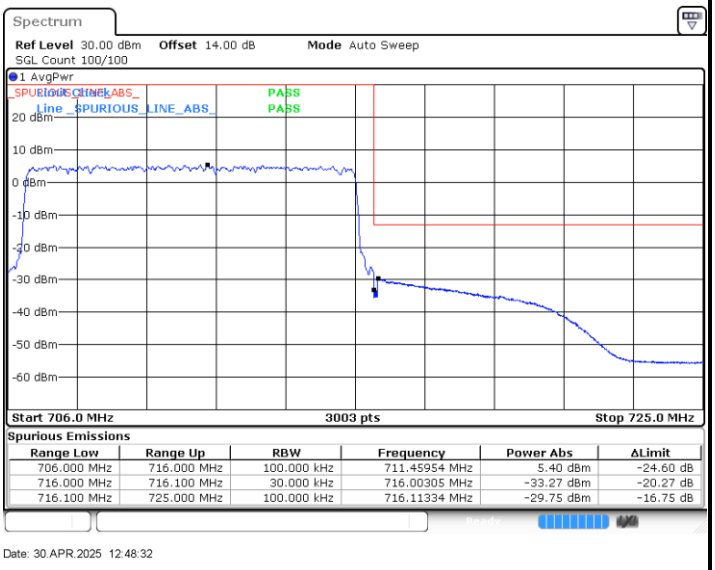


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-29.12 dBm	-16.12 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.93062 MHz	-32.33 dBm	-19.33 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.90410 MHz	5.36 dBm	-24.64 dB

Date: 30.APR.2025 12:40:02

Highest Band Edge / Full RB



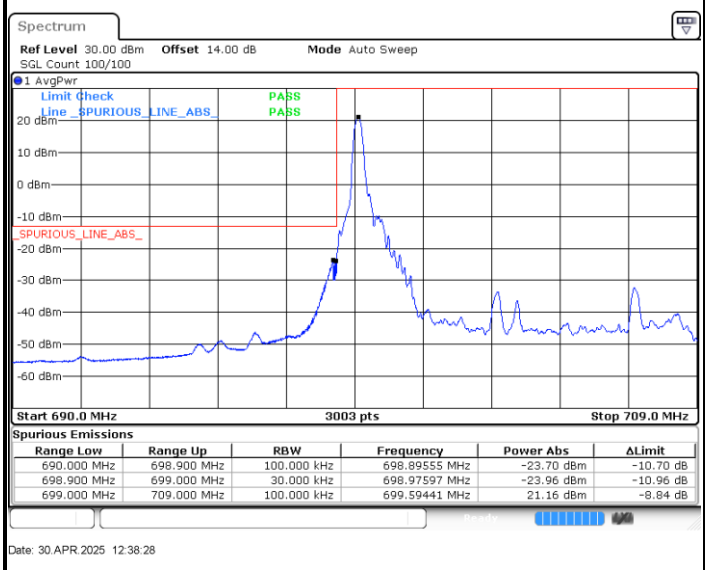
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.45954 MHz	5.40 dBm	-24.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00305 MHz	-33.27 dBm	-20.27 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-29.75 dBm	-16.75 dB

Date: 30.APR.2025 12:48:32

LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

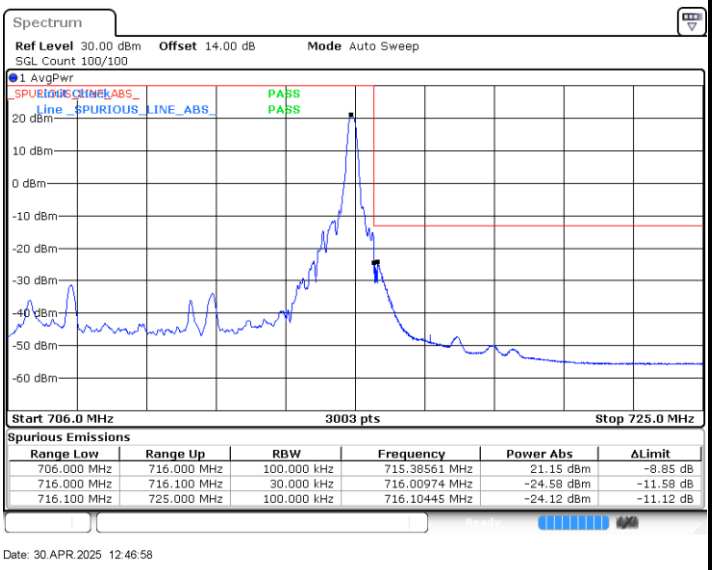


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-23.70 dBm	-10.70 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97597 MHz	-23.96 dBm	-10.96 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.59441 MHz	21.16 dBm	-8.84 dB

Date: 30.APR.2025 12:38:28

Highest Band Edge / 1 RB

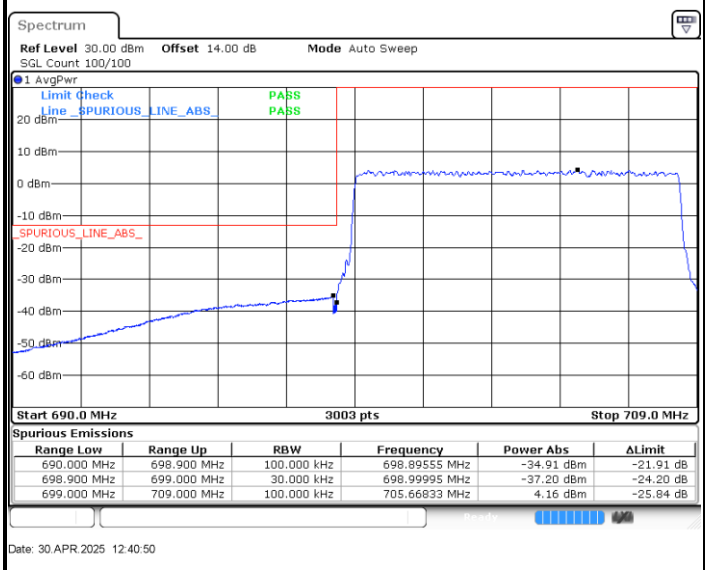


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	21.15 dBm	-8.85 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00974 MHz	-24.58 dBm	-11.58 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.12 dBm	-11.12 dB

Date: 30.APR.2025 12:46:58

Lowest Band Edge / Full RB

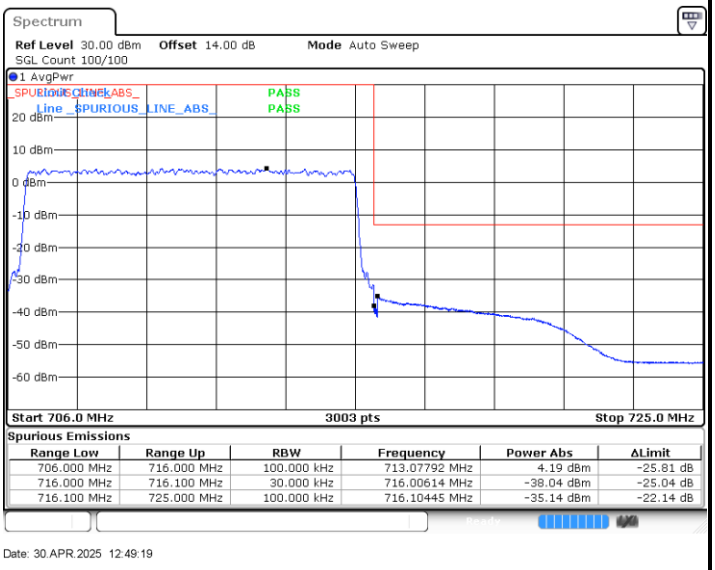


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.91 dBm	-21.91 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-37.20 dBm	-24.20 dB
699.000 MHz	709.000 MHz	100.000 kHz	705.66833 MHz	4.16 dBm	-25.84 dB

Date: 30.APR.2025 12:40:50

Highest Band Edge / Full RB



Spurious Emissions

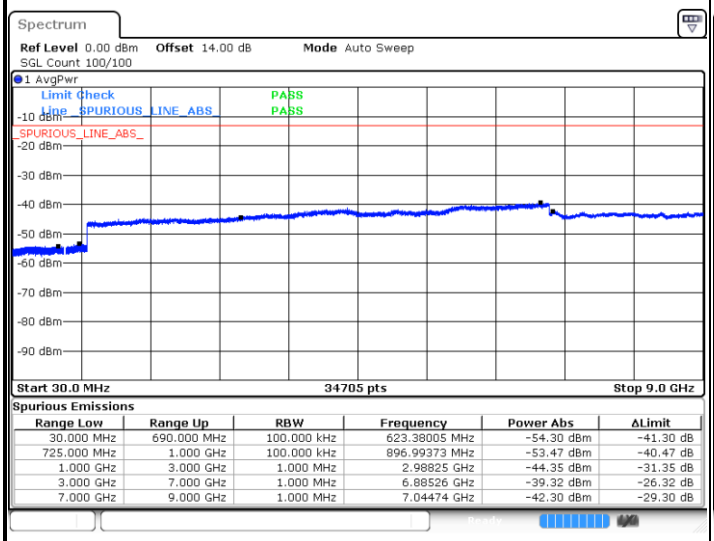
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	713.07792 MHz	4.19 dBm	-25.81 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00614 MHz	-38.04 dBm	-25.04 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.14 dBm	-22.14 dB

Date: 30.APR.2025 12:49:19

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

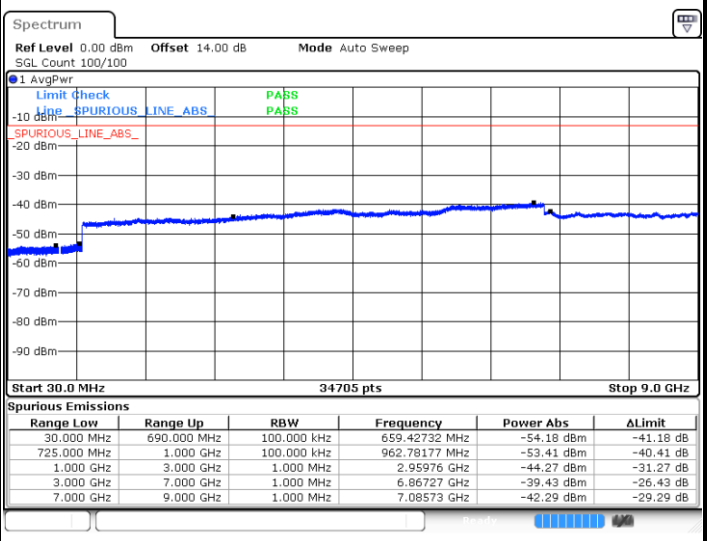


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	623.38005 MHz	-54.30 dBm	-41.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	896.99373 MHz	-53.47 dBm	-40.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98825 GHz	-44.35 dBm	-31.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88526 GHz	-39.32 dBm	-26.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04474 GHz	-42.30 dBm	-29.30 dB

Date: 30.APR.2025 11:55:26

Middle Channel / QPSK

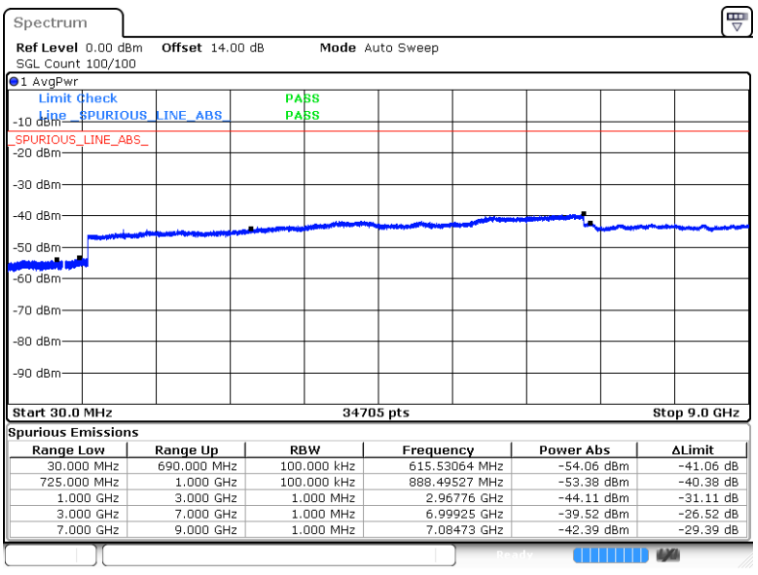


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	659.42732 MHz	-54.18 dBm	-41.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	962.78177 MHz	-53.41 dBm	-40.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95976 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86727 GHz	-39.43 dBm	-26.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08573 GHz	-42.29 dBm	-29.29 dB

Date: 30.APR.2025 11:56:40

Highest Channel / QPSK



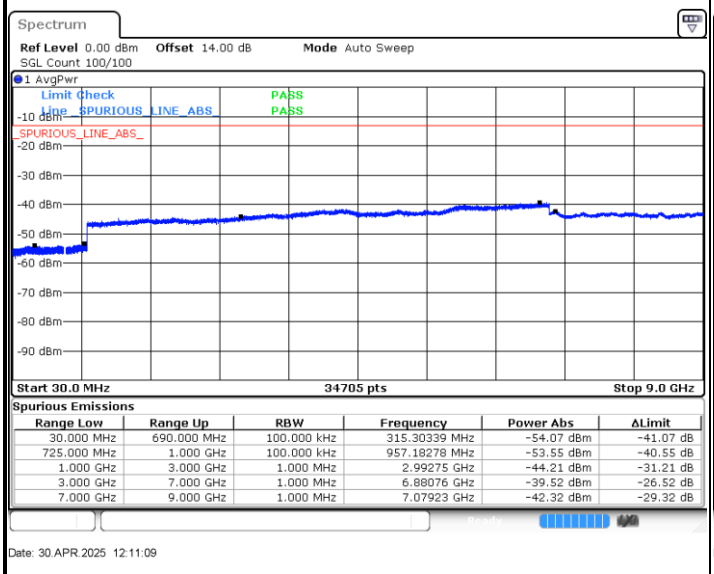
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	615.53064 MHz	-54.06 dBm	-41.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	888.49527 MHz	-53.38 dBm	-40.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96776 GHz	-44.11 dBm	-31.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-39.52 dBm	-26.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08473 GHz	-42.39 dBm	-29.39 dB

Date: 30.APR.2025 12:03:55

LTE Band 12 / 3MHz

Lowest Channel / QPSK

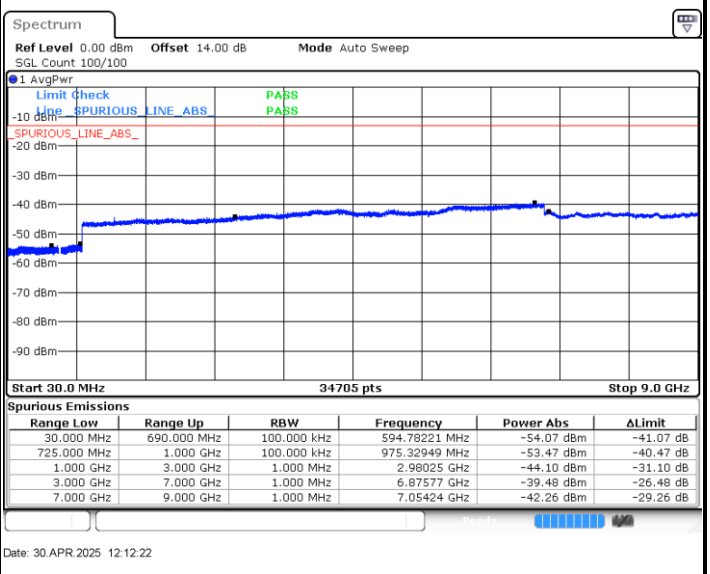


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	315.30339 MHz	-54.07 dBm	-41.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.18278 MHz	-53.55 dBm	-40.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99275 GHz	-44.21 dBm	-31.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88076 GHz	-39.52 dBm	-26.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07923 GHz	-42.32 dBm	-29.32 dB

Date: 30.APR.2025 12:11:09

Middle Channel / QPSK

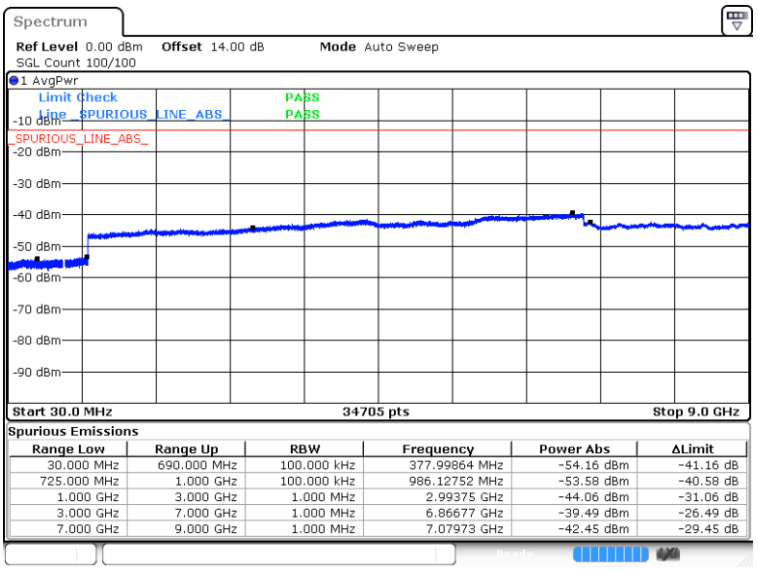


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	594.78221 MHz	-54.07 dBm	-41.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.32949 MHz	-53.47 dBm	-40.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98025 GHz	-44.10 dBm	-31.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87577 GHz	-39.48 dBm	-26.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05424 GHz	-42.26 dBm	-29.26 dB

Date: 30.APR.2025 12:12:22

Highest Channel / QPSK



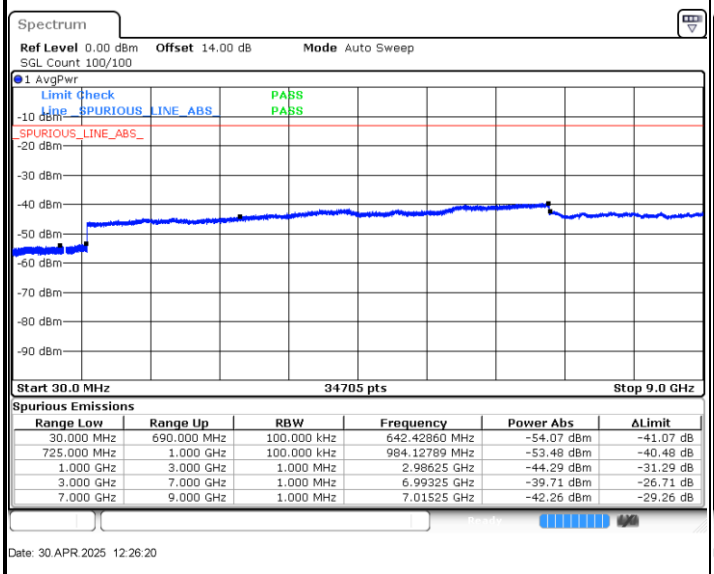
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	377.99864 MHz	-54.16 dBm	-41.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.12752 MHz	-53.58 dBm	-40.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-44.06 dBm	-31.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86677 GHz	-39.49 dBm	-26.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07973 GHz	-42.45 dBm	-29.45 dB

Date: 30.APR.2025 12:19:39

LTE Band 12 / 5MHz

Lowest Channel / QPSK

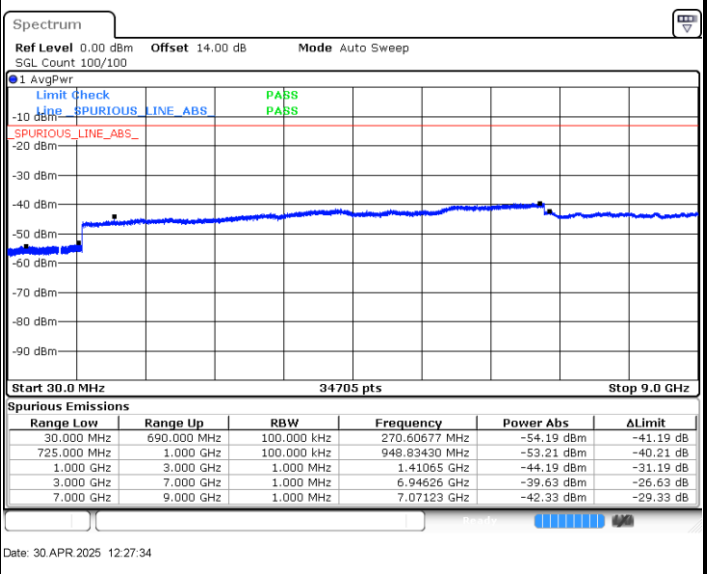


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	642.42860 MHz	-54.07 dBm	-41.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.12789 MHz	-53.48 dBm	-40.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98625 GHz	-44.29 dBm	-31.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-39.71 dBm	-26.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01525 GHz	-42.26 dBm	-29.26 dB

Date: 30.APR.2025 12:26:20

Middle Channel / QPSK

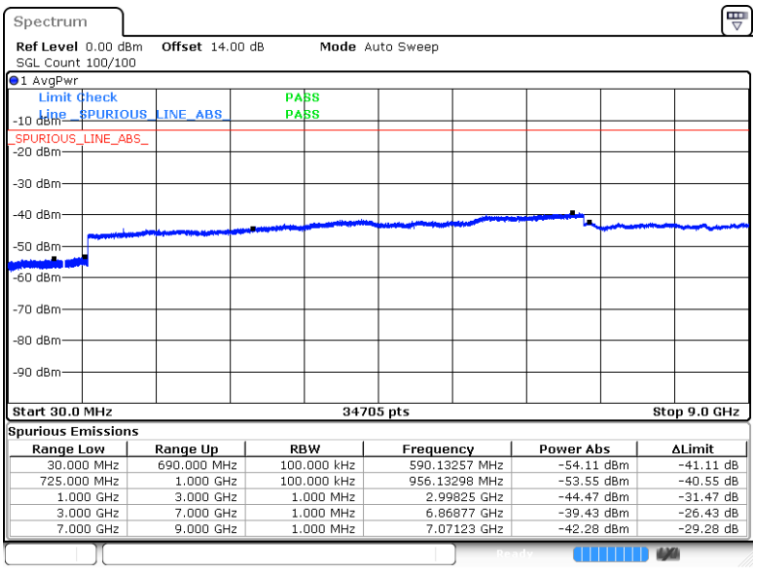


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	270.60677 MHz	-54.19 dBm	-41.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	948.83430 MHz	-53.21 dBm	-40.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41065 GHz	-44.19 dBm	-31.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94626 GHz	-39.63 dBm	-26.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07123 GHz	-42.33 dBm	-29.33 dB

Date: 30.APR.2025 12:27:34

Highest Channel / QPSK



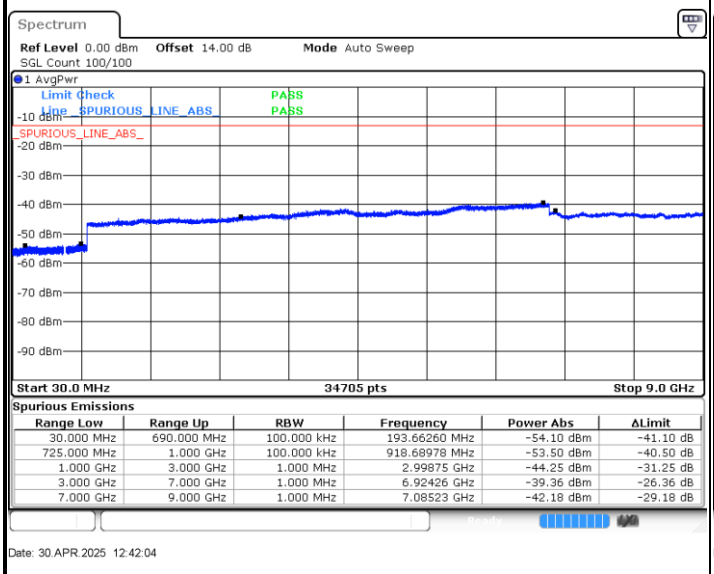
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	590.13257 MHz	-54.11 dBm	-41.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.13298 MHz	-53.55 dBm	-40.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99825 GHz	-44.47 dBm	-31.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86877 GHz	-39.43 dBm	-26.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07123 GHz	-42.28 dBm	-29.28 dB

Date: 30.APR.2025 12:34:51

LTE Band 12 / 10MHz

Lowest Channel / QPSK

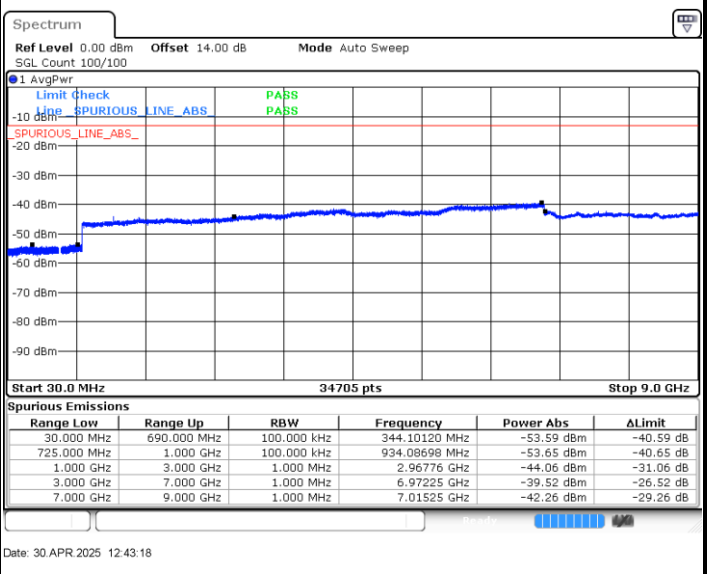


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	193.66260 MHz	-54.10 dBm	-41.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	918.68978 MHz	-53.50 dBm	-40.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99875 GHz	-44.25 dBm	-31.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92426 GHz	-39.36 dBm	-26.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08523 GHz	-42.18 dBm	-29.18 dB

Date: 30.APR.2025 12:42:04

Middle Channel / QPSK

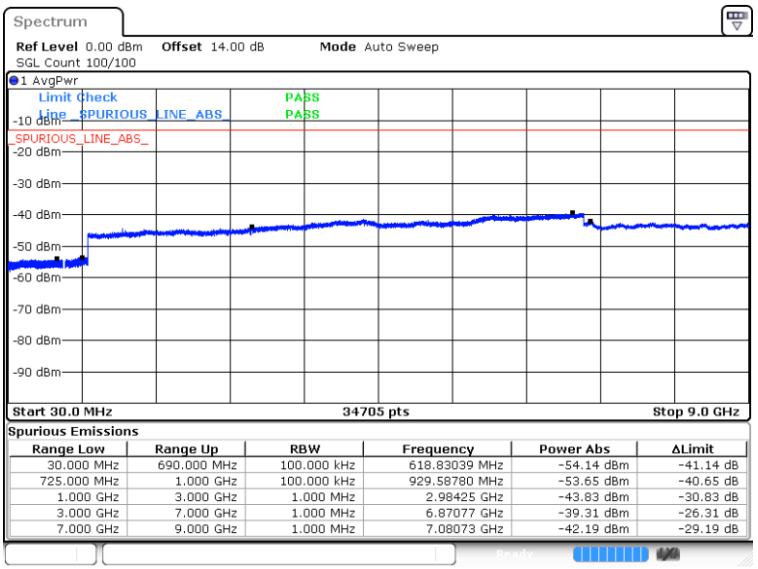


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	344.10120 MHz	-53.59 dBm	-40.59 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.08698 MHz	-53.65 dBm	-40.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96776 GHz	-44.06 dBm	-31.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97225 GHz	-39.52 dBm	-26.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01525 GHz	-42.26 dBm	-29.26 dB

Date: 30.APR.2025 12:43:18

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	618.83039 MHz	-54.14 dBm	-41.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	929.58780 MHz	-53.65 dBm	-40.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98425 GHz	-43.83 dBm	-30.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87077 GHz	-39.31 dBm	-26.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08073 GHz	-42.19 dBm	-29.19 dB

Date: 30.APR.2025 12:50:34

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

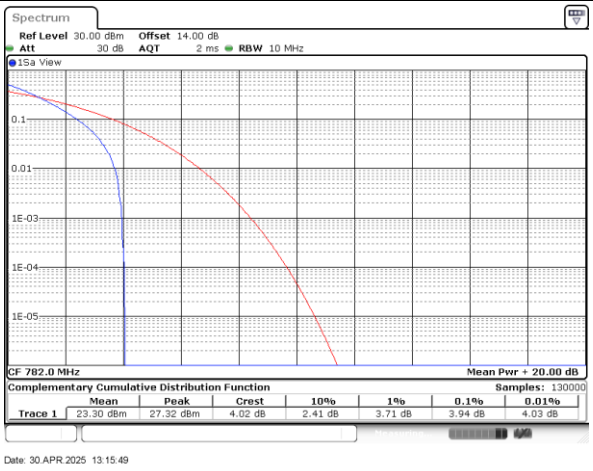
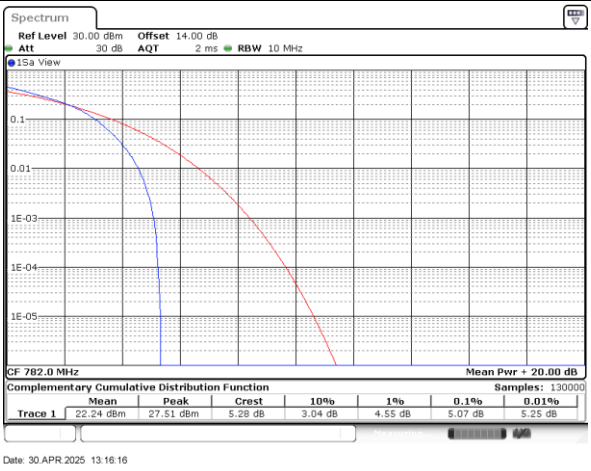
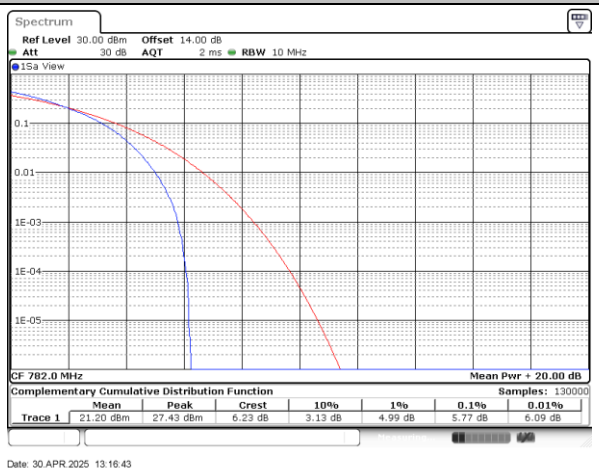
Note:

1. Normal Voltage = 3.93 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	3.94	5.07	5.77	PASS

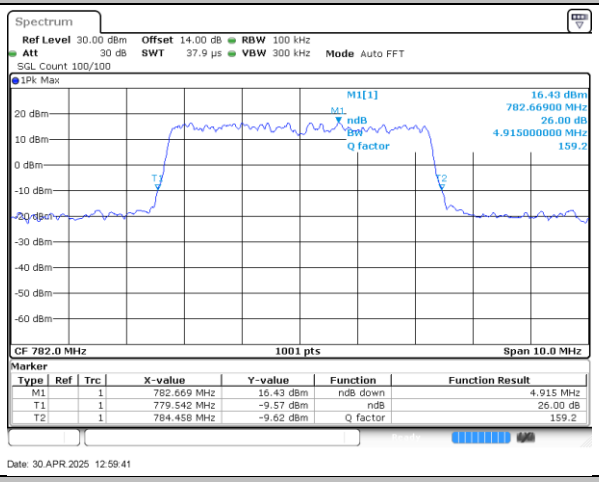
LTE Band 13 / 10MHz / QPSK	LTE Band 13 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 13 / 10MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

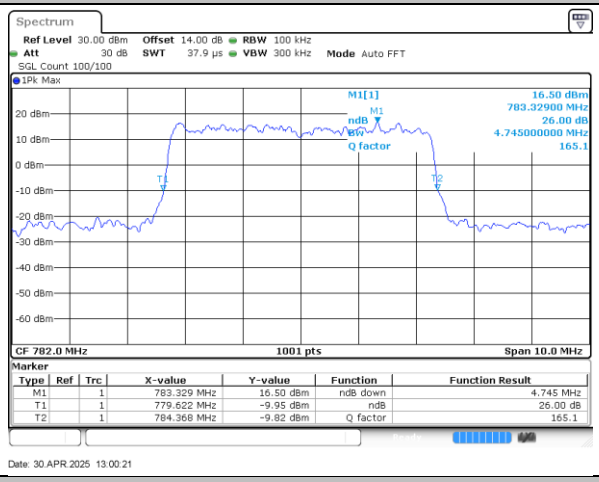
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.92	4.75	9.85	9.79	-	-	-	-

LTE Band 13

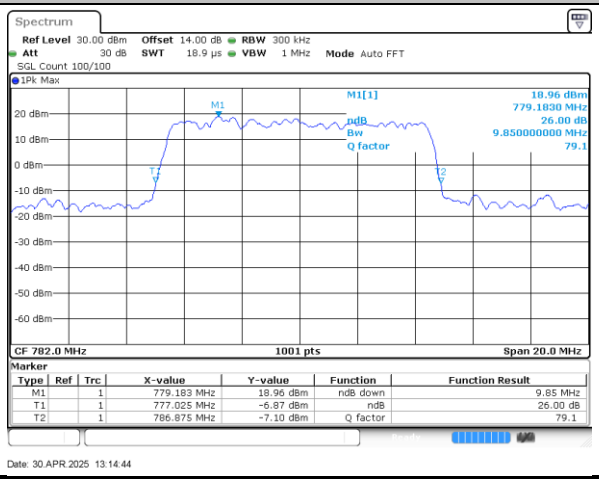
Middle Channel / 5MHz / QPSK



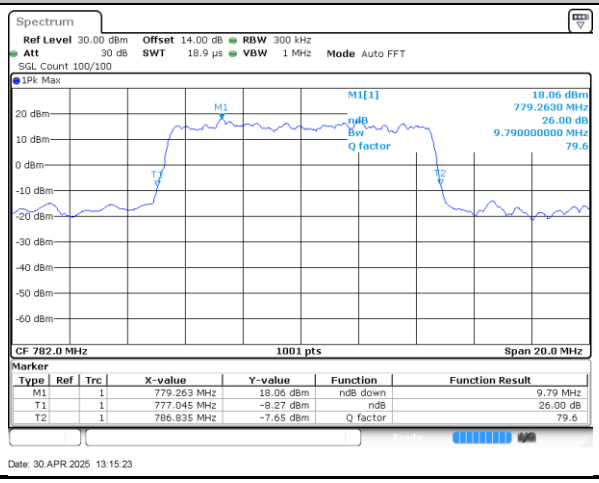
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

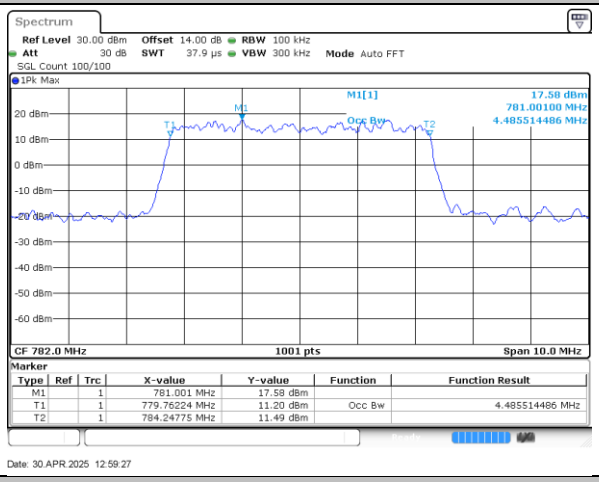


Occupied Bandwidth

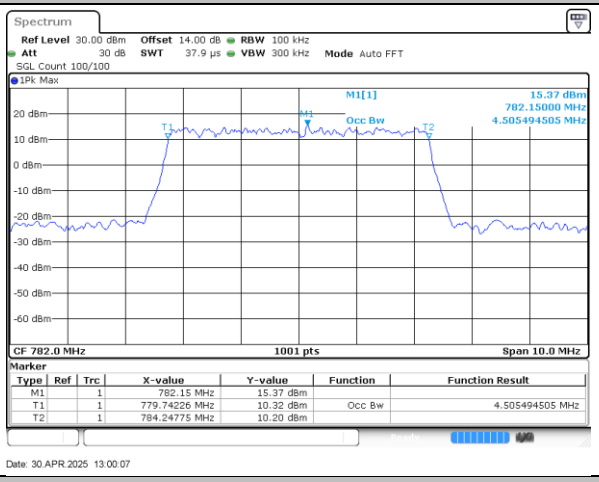
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.51	9.05	9.03	-	-	-	-

LTE Band 13

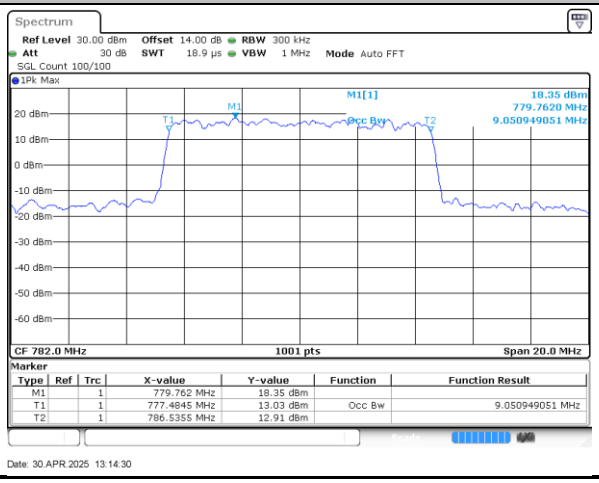
Middle Channel / 5MHz / QPSK



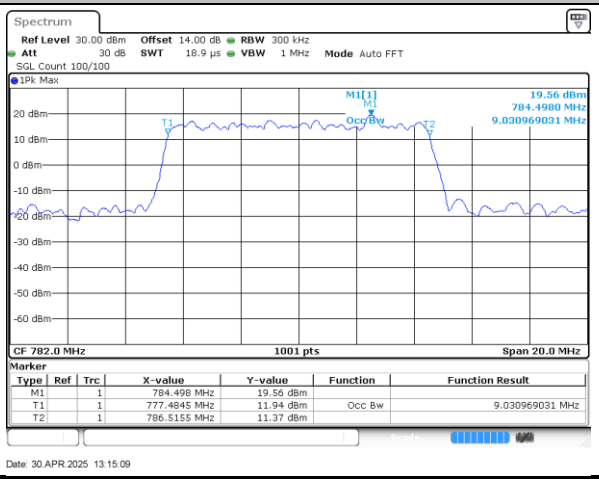
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



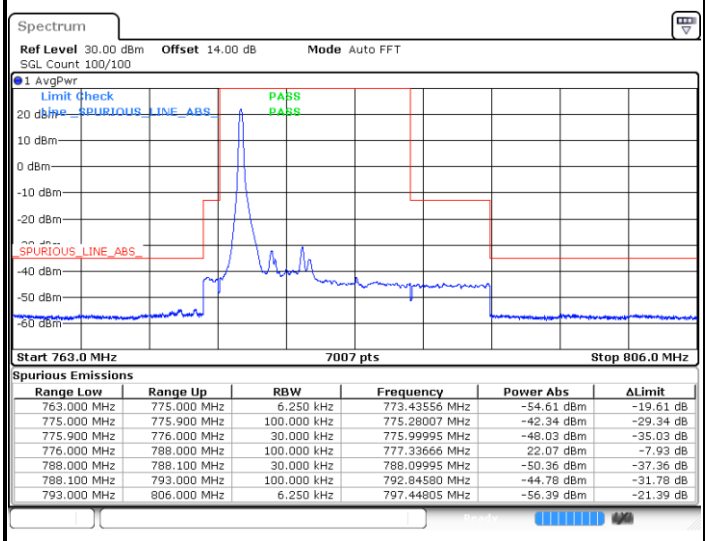
Middle Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

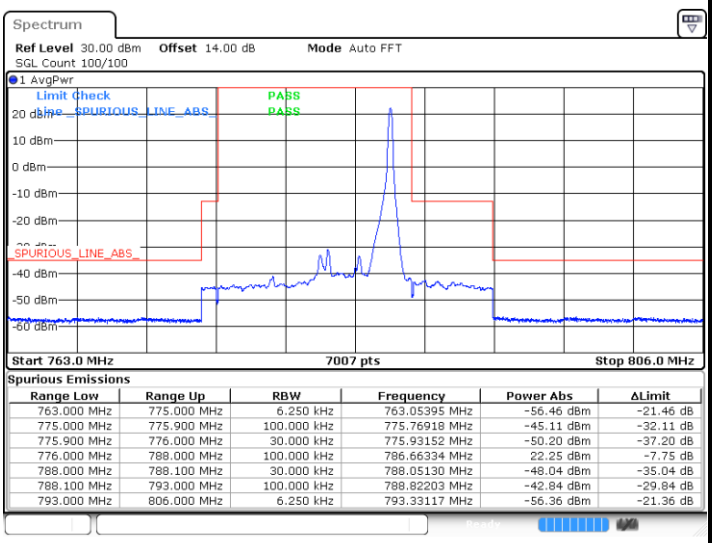


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.43556 MHz	-54.61 dBm	-19.61 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.28007 MHz	-42.34 dBm	-29.34 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-48.03 dBm	-35.03 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	22.07 dBm	-7.93 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-50.36 dBm	-37.36 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.84580 MHz	-44.78 dBm	-31.78 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.44805 MHz	-56.39 dBm	-21.39 dB

Date: 30.APR.2025 12:52:36

Highest Band Edge / 1 RB

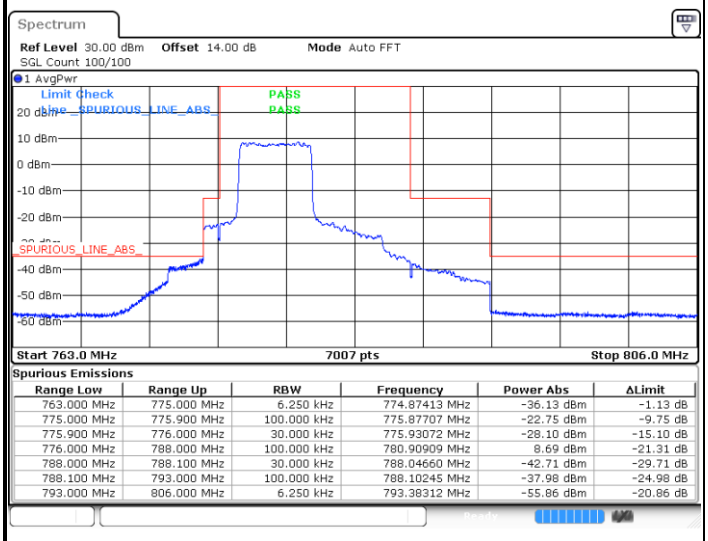


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.05395 MHz	-56.46 dBm	-21.46 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76918 MHz	-45.11 dBm	-32.11 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93152 MHz	-50.20 dBm	-37.20 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	22.25 dBm	-7.75 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05130 MHz	-48.04 dBm	-35.04 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.82203 MHz	-42.84 dBm	-29.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.33117 MHz	-56.36 dBm	-21.36 dB

Date: 30.APR.2025 13:01:07

Lowest Band Edge / Full RB

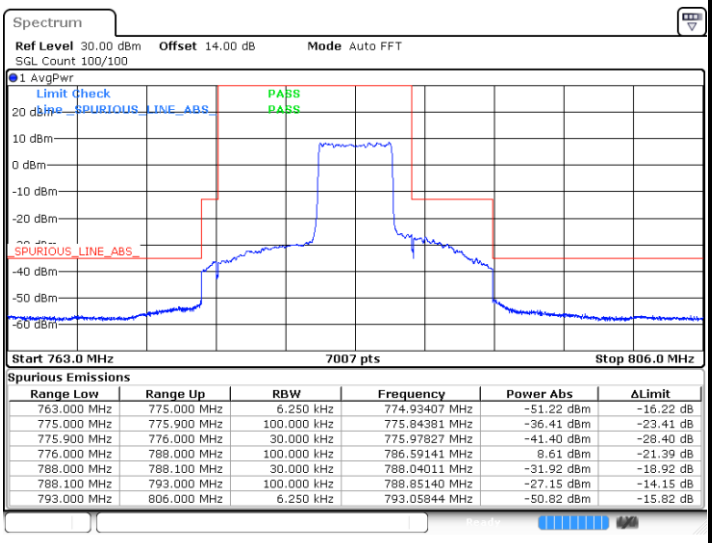


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-36.13 dBm	-1.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87707 MHz	-22.75 dBm	-9.75 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93072 MHz	-28.10 dBm	-15.10 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.90909 MHz	8.69 dBm	-21.31 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04660 MHz	-42.71 dBm	-29.71 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-37.98 dBm	-24.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.38312 MHz	-55.86 dBm	-20.86 dB

Date: 30.APR.2025 12:54:58

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.93407 MHz	-51.22 dBm	-16.22 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84381 MHz	-36.41 dBm	-23.41 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97827 MHz	-41.40 dBm	-28.40 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.59141 MHz	8.61 dBm	-21.39 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04011 MHz	-31.92 dBm	-18.92 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.85140 MHz	-27.15 dBm	-14.15 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05844 MHz	-50.82 dBm	-15.82 dB

Date: 30.APR.2025 13:03:29