FCC RADIO TEST REPORT

FCC ID	:	**APYHRO00337**
Equipment	:	**Mobile Router**
Brand Name	:	**Sharp**
Model Name	:	**APYHRO00337**
Applicant	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan**
Manufacturer	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan**
Standard	:	**FCC 47 CFR Part 2, 22(H), 27**

The product was received on Mar. 24, 2025 and testing was performed from Apr. 08, 2025 to Apr. 21, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FG532004B	01	Initial issue of report	May 08, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 RSS-195 5.5 RSS-140 4.3	Conducted Output Power	Pass	-
	§22.913 (a)(5)	Effective Radiated Power (Band 5)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (Band 12)		
	RSS-133 5.5 SRSP-510 §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4)		
3.3	§27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049 RSS-195 3.1 RSS-140 2.3	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 4) (Band 5) (Band 12)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
3.6	§2.1051 §22.917 (a) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 4) (Band 5) (Band 12)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
3.7	§2.1055 §22.355 §27.54	Frequency Stability Temperature & Voltage	Pass	-

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 4) (Band 5) (Band 12)	Pass	-
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

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.

Reviewed by: Keven Cheng

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs WCDMA/LTE and Wi-Fi 2.4GHz 802.11b/g/n/ac/ax. **Antenna Type** WWAN: FPC Antenna

Support band and evaluated information	
Supported band	B4, B5, B7, B12,B38, B41, B41C
Evaluated and Tested band	B4, B5, B7, B12,B38, B41, B41C

FDD/TDD band Power Class				
	PC3	**PC2**		
B4	V			
B5	V			
B7	V			
B12	V			
B38	V			
B41/ B41C	V			

Antenna information(dBi)							
Band	**Ant0**	**Ant2**					**Main Ant. #**
B4	**2.57**						**0**
B5		**2**					**2**
B7	**2.49**						**0**
B12		**-3.93**					**2**
B38	**2.44**						**0**
B41	**2.49**						**0**

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Wein Shun Hung
Temperature (℃)	22.3~22.9
Relative Humidity (%)	53.2~55.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH21-HY (TAF Code: 3786)
Test Engineer	Fred Tseng, Ray Lung and Sky Chang
Temperature (℃)	18~26
Relative Humidity (%)	50~70
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- ANSI C63.26-2015
- FCC 47 CFR Part 2, 22(H), 27
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

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.

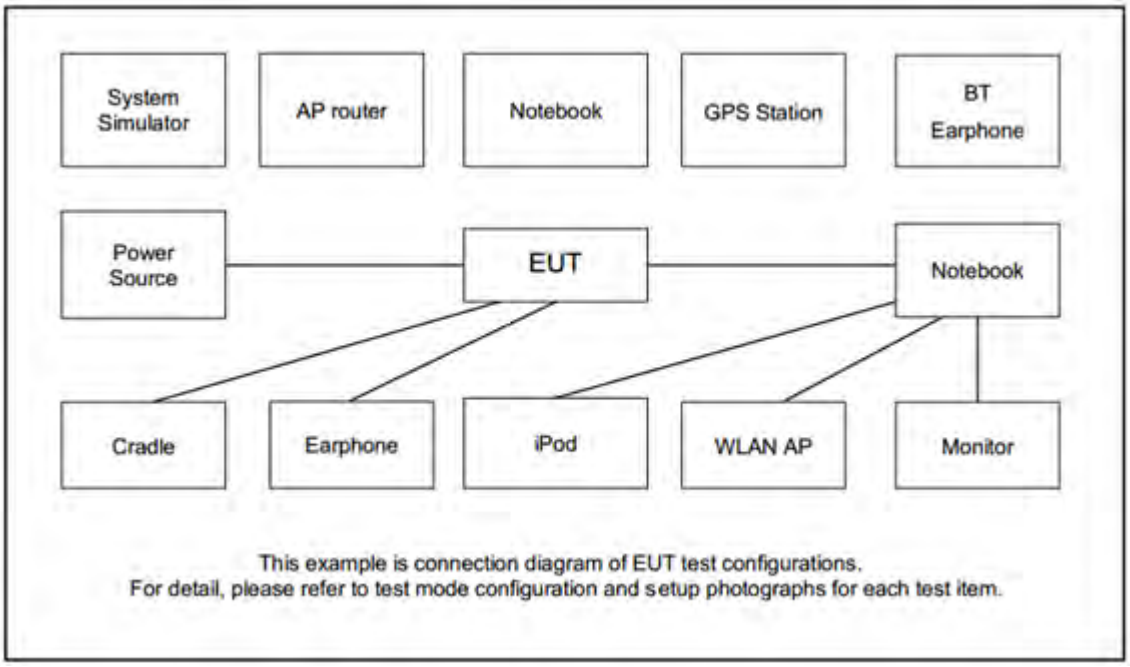
For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1, Half, Full	L, M, H
ERP/EIRP	A, B, C	All	1, Half, Full	L, M, H
PAR	A, B, C	Max	Full	M
Bandwidth	A, B, C	All	Full	M
CBE	A, B, C	All	1RB Full	L, H
CSE	A	All	1RB	L, M, H
Frequency Stability	A	10 MHz	Full	M
RSE	A	Max	1RB	L, M, H

Remark:
1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. 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.
3. One representative bandwidth is selected to perform PAR and frequency stability.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	Adapter	Lenovo	C-P32	N/A	N/A	N/A

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 4.2 dB and 10dB attenuator.

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

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

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

LTE Band 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 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5

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

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

3 Conducted Test Items

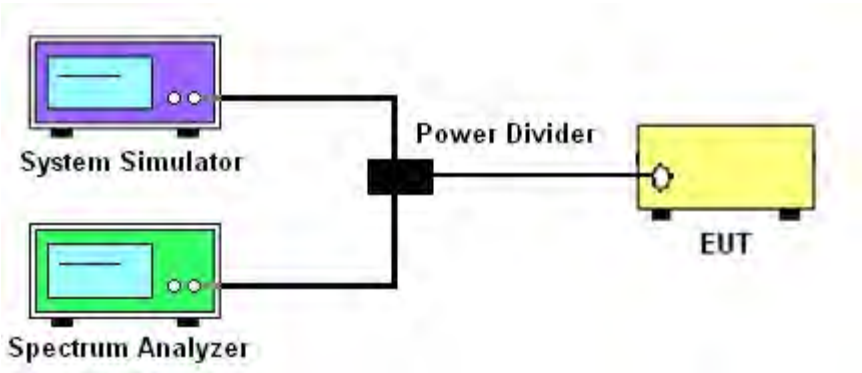
3.1 Measuring Instruments

See list of measuring instruments of this test report.

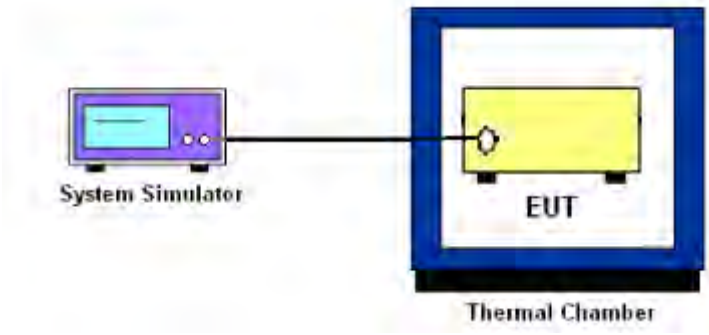
3.1.1 Test Setup

3.1.2 Conducted Output Power

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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12,

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

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4

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

3.2.2 Test Procedures

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

3.3 Peak-to-Average Ratio

3.3.1 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.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

3.4 Occupied Bandwidth

3.4.1 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.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. 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.
4. Set the detection mode to peak, and the trace mode to max hold.
5. 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)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. 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.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (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.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For LTE Band 7, 38, 41
   The other 40 dB, and 55 dB have additionally applied same calculation above.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For LTE Band 7, 38, 41
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GH, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. 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)
   For LTE Band 7, 38, 41
   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. 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.
3. 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.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at 20±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

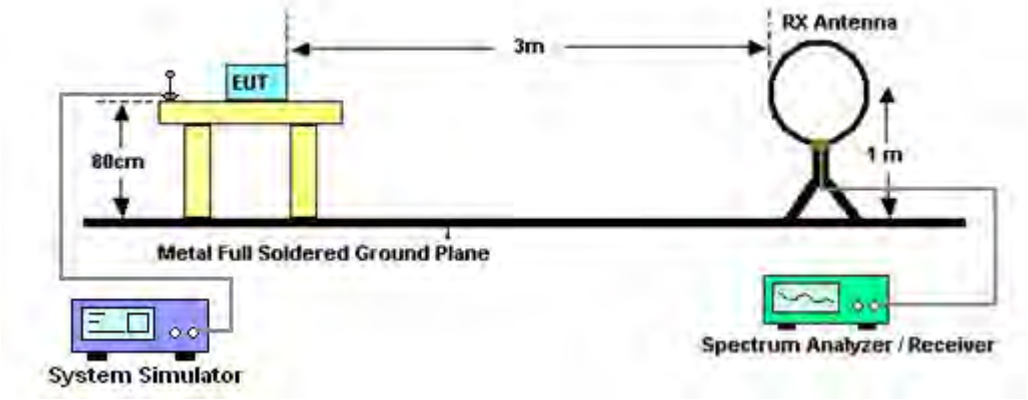
4 Radiated Test Items

4.1 Measuring Instruments

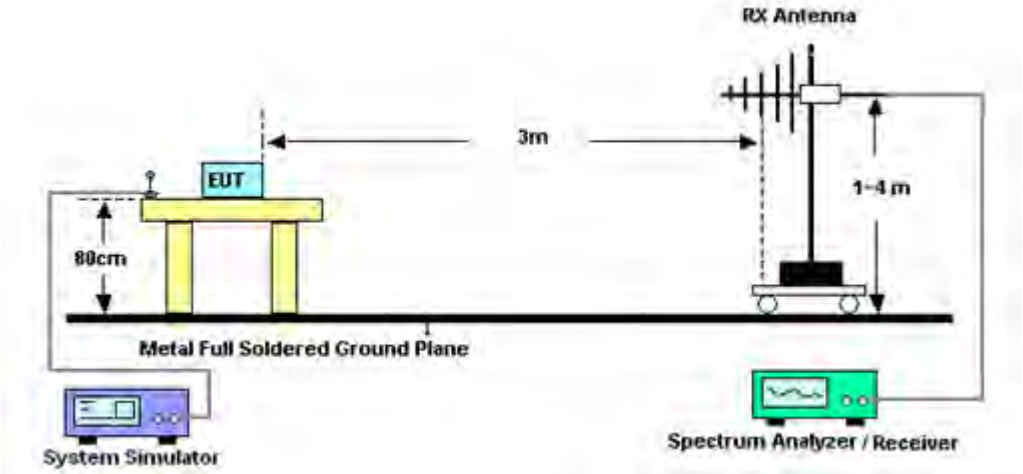
See list of measuring instruments of this test report.

4.1.1 Test Setup

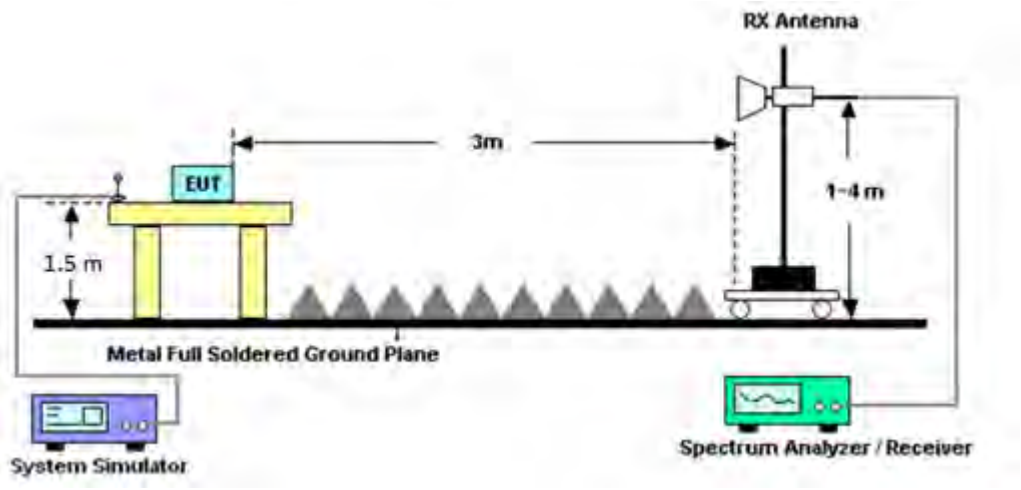
For radiated test below 30MHz



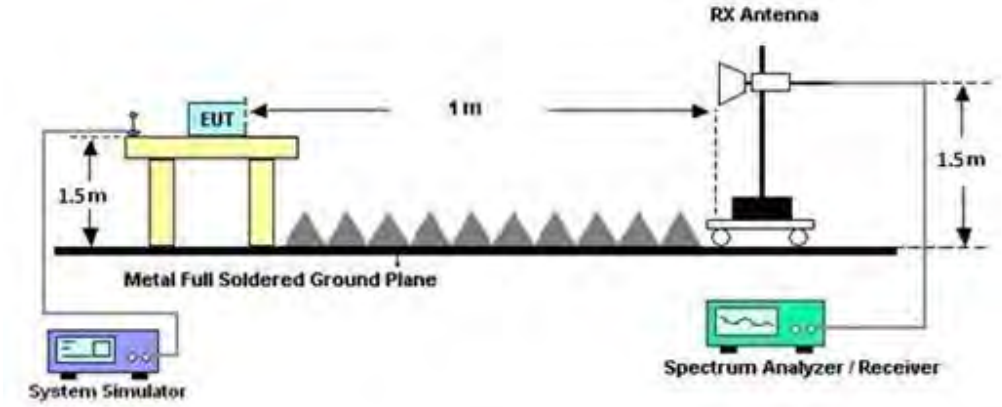
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015.

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 7, 38, 41

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

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

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)

   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77,

   where d is the distance at which filed strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. 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)

   For LTE Band 7, 38, 41

   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Apr. 09, 2025~ Apr. 18, 2025	Aug. 28, 2025	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Dec. 17, 2024	Apr. 09, 2025~ Apr. 18, 2025	Dec. 16, 2025	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 11, 2024	Apr. 09, 2025~ Apr. 18, 2025	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Apr. 09, 2025~ Apr. 18, 2025	Jun. 23, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Apr. 09, 2025~ Apr. 18, 2025	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 27, 2024	Apr. 09, 2025~ Apr. 18, 2025	Sep. 26, 2025	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Apr. 09, 2025~ Apr. 18, 2025	Sep. 01, 2025	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 06, 2024	Apr. 09, 2025~ Apr. 18, 2025	Sep. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 05, 2025	Apr. 09, 2025~ Apr. 18, 2025	Mar. 04, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,803954/2	30MHz~40GHz	Aug. 12, 2024	Apr. 09, 2025~ Apr. 18, 2025	Aug. 11, 2025	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 21, 2024	Apr. 09, 2025~ Apr. 18, 2025	Oct. 20, 2025	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 09, 2025~ Apr. 18, 2025	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Apr. 09, 2025~ Apr. 18, 2025	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Apr. 09, 2025~ Apr. 18, 2025	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Apr. 09, 2025~ Apr. 18, 2025	N/A	Radiation (03CH21-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Apr. 08, 2025~ Apr. 21, 2025	Sep. 30, 2025	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 06, 2024	Apr. 08, 2025~ Apr. 21, 2025	Sep. 05, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Nov. 27, 2024	Apr. 08, 2025~ Apr. 21, 2025	Nov. 26, 2025	Conducted (TH03-HY)
Coupler+10dB+ RFcable	Warison + WoKen + E-Instument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+SFL405_1.5M	#A+#1+#1+#7	1-18GHz	Jan. 03, 2025	Apr. 08, 2025~ Apr. 21, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Apr. 08, 2025~ Apr. 21, 2025	Jun. 12, 2025	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101905	10Hz~40GHz	Jul. 11, 2024	Apr. 08, 2025~ Apr. 21, 2025	Jul. 10, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Apr. 08, 2025~ Apr. 21, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	-10 ~ 50°C / 20 ~ 95%RH	Jun. 05, 2024	Apr. 08, 2025~ Apr. 21, 2025	Jun. 04, 2025	Conducted (TH03-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.6 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0 dB**

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.3 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.25	21.30	21.28	23.87	0.2438
20	1	49		21.03	21.05	21.03		
20	1	99		21.04	21.00	21.02		
20	50	0		20.27	20.31	20.29		
20	50	24		20.26	20.24	20.25		
20	50	50		20.16	20.13	20.21		
20	100	0		20.22	20.24	20.20		
20	1	0	16-QAM	20.35	20.57	20.60	23.17	0.2075
20	1	49		20.19	20.37	20.40		
20	1	99		20.14	20.33	20.36		
20	50	0		19.23	19.23	19.31		
20	50	24		19.22	19.24	19.24		
20	50	50		19.17	19.14	19.21		
20	100	0		19.21	19.23	19.20		
20	1	0	64-QAM	19.20	19.42	19.49	22.06	0.1607
20	1	49		19.09	19.26	19.30		
20	1	99		19.07	19.26	19.27		
20	50	0		18.26	18.28	18.33		
20	50	24		18.25	18.25	18.24		
20	50	50		18.18	18.17	18.23		
20	100	0		18.25	18.25	18.26		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.21	21.23	21.24	23.81	0.2404
15	1	37		21.04	21.04	21.03		
15	1	74		21.05	21.02	21.01		
15	36	0		20.21	20.24	20.27		
15	36	20		20.22	20.23	20.24		
15	36	39		20.18	20.18	20.20		
15	75	0		20.23	20.22	20.25		
15	1	0	16-QAM	20.32	20.51	20.56	23.13	0.2056
15	1	37		20.16	20.38	20.40		
15	1	74		20.16	20.31	20.31		
15	36	0		19.19	19.22	19.28		
15	36	20		19.21	19.23	19.26		
15	36	39		19.15	19.13	19.18		
15	75	0		19.23	19.22	19.29		
15	1	0	64-QAM	19.19	19.38	19.41	21.98	0.1578
15	1	37		19.11	19.27	19.28		
15	1	74		19.07	19.23	19.22		
15	36	0		18.22	18.24	18.29		
15	36	20		18.23	18.25	18.27		
15	36	39		18.21	18.18	18.19		
15	75	0		18.24	18.24	18.30		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.07	21.10	21.12	23.69	0.2339
10	1	25		21.06	21.05	21.08		
10	1	49		21.05	21.03	21.07		
10	25	0		20.12	20.12	20.14		
10	25	12		20.25	20.26	20.24		
10	25	25		20.24	20.26	20.28		
10	50	0		20.27	20.25	20.27		
10	1	0	16-QAM	20.45	20.47	20.48	23.05	0.2018
10	1	25		20.45	20.45	20.46		
10	1	49		20.47	20.44	20.47		
10	25	0		19.14	19.16	19.15		
10	25	12		19.24	19.26	19.27		
10	25	25		19.25	19.24	19.27		
10	50	0		19.23	19.22	19.24		
10	1	0	64-QAM	19.30	19.30	19.34	21.97	0.1574
10	1	25		19.35	19.38	19.40		
10	1	49		19.35	19.34	19.37		
10	25	0		18.15	18.19	18.17		
10	25	12		18.28	18.31	18.30		
10	25	25		18.28	18.27	18.29		
10	50	0		18.25	18.25	18.27		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.04	21.05	21.08	23.77	0.2382
5	1	12		21.14	21.17	21.20		
5	1	24		21.15	21.16	21.18		
5	12	0		20.17	20.18	20.17		
5	12	7		20.29	20.29	20.23		
5	12	13		20.22	20.26	20.22		
5	25	0		20.24	20.24	20.15		
5	1	0	16-QAM	20.38	20.38	20.41	23.06	0.2023
5	1	12		20.47	20.48	20.49		
5	1	24		20.49	20.49	20.47		
5	12	0		19.22	19.21	19.22		
5	12	7		19.28	19.31	19.23		
5	12	13		19.29	19.26	19.27		
5	25	0		19.24	19.23	19.20		
5	1	0	64-QAM	19.34	19.38	19.38	22.03	0.1596
5	1	12		19.43	19.46	19.43		
5	1	24		19.46	19.46	19.45		
5	12	0		18.21	18.22	18.25		
5	12	7		18.32	18.33	18.26		
5	12	13		18.29	18.29	18.30		
5	25	0		18.26	18.27	18.21		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	21.02	21.04	21.08	23.76	0.2377
3	1	8		21.15	21.19	21.18		
3	1	14		21.12	21.14	21.16		
3	8	0		20.22	20.19	20.16		
3	8	4		20.25	20.27	20.24		
3	8	7		20.18	20.23	20.23		
3	15	0		20.19	20.21	20.19		
3	1	0	16-QAM	20.33	20.37	20.41	23.12	0.2051
3	1	8		20.49	20.53	20.55		
3	1	14		20.45	20.47	20.47		
3	8	0		19.27	19.23	19.25		
3	8	4		19.31	19.33	19.25		
3	8	7		19.27	19.33	19.34		
3	15	0		19.23	19.27	19.22		
3	1	0	64-QAM	19.34	19.36	19.38	22.09	0.1618
3	1	8		19.46	19.49	19.52		
3	1	14		19.42	19.45	19.45		
3	8	0		18.28	18.21	18.24		
3	8	4		18.30	18.30	18.26		
3	8	7		18.26	18.28	18.31		
3	15	0		18.28	18.28	18.20		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	21.10	21.01	21.03	23.73	0.2360
1.4	1	3		21.07	21.06	21.12		
1.4	1	5		21.02	21.03	21.06		
1.4	3	0		21.02	21.10	21.11		
1.4	3	1		21.09	21.15	21.16		
1.4	3	3		21.02	21.10	21.13		
1.4	6	0		20.15	20.17	20.14		
1.4	1	0	16-QAM	20.30	20.37	20.37	23.04	0.2014
1.4	1	3		20.41	20.41	20.47		
1.4	1	5		20.32	20.38	20.41		
1.4	3	0		20.12	20.14	20.15		
1.4	3	1		20.20	20.21	20.21		
1.4	3	3		20.12	20.16	20.16		
1.4	6	0		19.20	19.21	19.20		
1.4	1	0	64-QAM	19.23	19.33	19.32	21.97	0.1574
1.4	1	3		19.35	19.39	19.40		
1.4	1	5		19.29	19.35	19.37		
1.4	3	0		19.19	19.27	19.31		
1.4	3	1		19.31	19.34	19.35		
1.4	3	3		19.27	19.29	19.30		
1.4	6	0		18.20	18.20	18.22		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.96	22.73	22.90	22.81	0.1910
10	1	25		22.75	22.75	22.75		
10	1	49		22.67	22.82	22.78		
10	25	0		21.97	21.72	21.94		
10	25	12		21.94	21.85	21.89		
10	25	25		21.85	21.83	21.89		
10	50	0		21.96	21.90	21.91		
10	1	0	16-QAM	22.24	22.19	22.31	22.16	0.1644
10	1	25		22.24	22.14	22.07		
10	1	49		22.16	22.24	22.07		
10	25	0		20.97	20.84	20.97		
10	25	12		20.93	20.91	20.96		
10	25	25		20.81	20.95	20.85		
10	50	0		20.97	20.82	20.84		
10	1	0	64-QAM	21.07	20.87	21.08	21.03	0.1268
10	1	25		20.88	20.98	20.95		
10	1	49		21.13	21.18	21.01		
10	25	0		19.98	19.89	20.02		
10	25	12		19.99	19.88	19.97		
10	25	25		19.85	19.95	19.96		
10	50	0		19.85	19.83	19.92		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.86	22.91	22.90	22.80	0.1905
5	1	12		22.92	22.95	22.81		
5	1	24		22.83	22.93	22.83		
5	12	0		22.03	21.93	21.91		
5	12	7		22.02	22.00	21.89		
5	12	13		21.91	21.93	21.88		
5	25	0		22.02	21.87	21.94		
5	1	0	16-QAM	22.16	22.15	22.09	22.12	0.1629
5	1	12		22.23	22.27	22.11		
5	1	24		22.07	22.23	22.18		
5	12	0		21.00	21.04	21.01		
5	12	7		21.04	21.00	20.99		
5	12	13		20.92	20.92	20.91		
5	25	0		20.97	20.87	20.94		
5	1	0	64-QAM	21.16	21.20	21.21	21.06	0.1276
5	1	12		21.14	21.09	21.00		
5	1	24		21.00	21.16	21.07		
5	12	0		19.99	20.00	20.01		
5	12	7		19.96	20.02	19.89		
5	12	13		19.93	19.96	19.96		
5	25	0		20.06	19.92	19.91		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.93	22.84	22.84	22.80	0.1905
3	1	8		22.95	22.86	22.83		
3	1	14		22.76	22.82	22.78		
3	8	0		21.96	21.94	21.93		
3	8	4		22.00	21.94	21.89		
3	8	7		21.95	21.90	21.86		
3	15	0		21.98	21.95	21.94		
3	1	0	16-QAM	22.23	22.08	22.07	22.08	0.1614
3	1	8		22.21	22.23	22.15		
3	1	14		22.10	22.22	21.98		
3	8	0		21.06	20.98	20.98		
3	8	4		21.09	21.07	21.03		
3	8	7		21.02	20.95	21.00		
3	15	0		20.98	20.96	20.94		
3	1	0	64-QAM	21.24	21.16	21.03	21.09	0.1285
3	1	8		21.19	21.11	21.17		
3	1	14		21.06	21.12	21.03		
3	8	0		20.02	19.90	19.89		
3	8	4		20.06	20.04	19.97		
3	8	7		19.97	19.91	19.94		
3	15	0		19.99	19.95	19.92		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.91	22.70	22.74	22.76	0.1888
1.4	1	3		22.81	22.77	22.79		
1.4	1	5		22.74	22.79	22.70		
1.4	3	0		22.85	22.80	22.72		
1.4	3	1		22.88	22.84	22.75		
1.4	3	3		22.78	22.81	22.85		
1.4	6	0		21.89	21.84	21.86		
1.4	1	0	16-QAM	22.15	22.00	21.96	22.03	0.1596
1.4	1	3		22.17	22.15	22.05		
1.4	1	5		22.18	22.07	21.94		
1.4	3	0		21.88	21.78	21.84		
1.4	3	1		21.87	21.93	21.85		
1.4	3	3		21.82	21.80	21.73		
1.4	6	0		21.00	20.89	20.96		
1.4	1	0	64-QAM	21.08	20.99	21.00	20.96	0.1247
1.4	1	3		21.09	21.03	20.97		
1.4	1	5		21.04	21.11	21.10		
1.4	3	0		21.03	20.92	20.96		
1.4	3	1		21.02	20.97	20.99		
1.4	3	3		21.01	20.99	20.82		
1.4	6	0		19.84	19.86	19.82		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.26	20.43	20.40	22.92	0.1959
20	1	49		20.16	20.35	20.31		
20	1	99		20.23	20.36	20.32		
20	50	0		19.39	19.54	19.53		
20	50	24		19.37	19.34	19.47		
20	50	50		19.37	19.43	19.52		
20	100	0		19.30	19.46	19.44		
20	1	0	16-QAM	19.49	19.51	19.64	22.29	0.1694
20	1	49		19.55	19.56	19.78		
20	1	99		19.57	19.67	19.80		
20	50	0		18.25	18.31	18.39		
20	50	24		18.36	18.37	18.45		
20	50	50		18.38	18.48	18.56		
20	100	0		18.33	18.39	18.40		
20	1	0	64-QAM	18.28	18.39	18.49	21.21	0.1321
20	1	49		18.43	18.49	18.65		
20	1	99		18.47	18.58	18.72		
20	50	0		17.25	17.34	17.43		
20	50	24		17.38	17.39	17.50		
20	50	50		17.40	17.49	17.59		
20	100	0		17.41	17.33	17.44		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.14	20.20	20.33	22.82	0.1914
15	1	37		20.16	20.24	20.33		
15	1	74		20.22	20.33	20.30		
15	36	0		19.20	19.34	19.36		
15	36	20		19.33	19.37	19.45		
15	36	39		19.31	19.45	19.55		
15	75	0		19.31	19.34	19.38		
15	1	0	16-QAM	19.46	19.53	19.69	22.27	0.1687
15	1	37		19.55	19.59	19.78		
15	1	74		19.56	19.65	19.77		
15	36	0		18.24	18.30	18.38		
15	36	20		18.34	18.33	18.45		
15	36	39		18.33	18.43	18.51		
15	75	0		18.34	18.32	18.45		
15	1	0	64-QAM	18.33	18.39	18.53	21.19	0.1315
15	1	37		18.45	18.48	18.69		
15	1	74		18.46	18.57	18.70		
15	36	0		17.24	17.37	17.42		
15	36	20		17.36	17.40	17.48		
15	36	39		17.34	17.48	17.57		
15	75	0		17.35	17.37	17.48		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.10	20.21	20.32	22.86	0.1932
10	1	25		20.08	20.17	20.32		
10	1	49		20.17	20.25	20.37		
10	25	0		19.18	19.32	19.38		
10	25	12		19.29	19.36	19.42		
10	25	25		19.28	19.42	19.50		
10	50	0		19.30	19.30	19.43		
10	1	0	16-QAM	19.47	19.57	19.64	22.23	0.1671
10	1	25		19.52	19.60	19.70		
10	1	49		19.53	19.66	19.74		
10	25	0		18.21	18.35	18.42		
10	25	12		18.31	18.35	18.46		
10	25	25		18.29	18.43	18.55		
10	50	0		18.31	18.33	18.43		
10	1	0	64-QAM	18.34	18.43	18.52	21.14	0.1300
10	1	25		18.43	18.52	18.63		
10	1	49		18.43	18.54	18.65		
10	25	0		17.21	17.34	17.43		
10	25	12		17.34	17.40	17.48		
10	25	25		17.32	17.42	17.54		
10	50	0		17.32	17.32	17.42		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.09	20.17	20.39	22.88	0.1941
5	1	12		20.16	20.29	20.37		
5	1	24		20.18	20.30	20.38		
5	12	0		19.24	19.34	19.47		
5	12	7		19.25	19.34	19.46		
5	12	13		19.25	19.37	19.47		
5	25	0		19.27	19.30	19.46		
5	1	0	16-QAM	19.44	19.54	19.62	22.18	0.1652
5	1	12		19.47	19.59	19.62		
5	1	24		19.48	19.63	19.69		
5	12	0		18.22	18.35	18.49		
5	12	7		18.31	18.36	18.50		
5	12	13		18.33	18.41	18.49		
5	25	0		18.25	18.35	18.53		
5	1	0	64-QAM	18.33	18.48	18.58	21.13	0.1297
5	1	12		18.39	18.54	18.61		
5	1	24		18.42	18.59	18.64		
5	12	0		17.28	17.36	17.51		
5	12	7		17.31	17.38	17.52		
5	12	13		17.33	17.44	17.52		
5	25	0		17.31	17.41	17.57		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.93 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.15	23.16	23.14	17.08	0.0511
10	1	25		22.86	23.01	22.86		
10	1	49		22.85	22.89	22.99		
10	25	0		22.16	22.11	22.20		
10	25	12		22.17	22.31	22.08		
10	25	25		22.15	22.26	22.14		
10	50	0		22.18	22.14	22.15		
10	1	0	16-QAM	22.37	22.46	22.32	16.38	0.0435
10	1	25		22.30	22.34	22.29		
10	1	49		22.42	22.23	22.32		
10	25	0		21.11	21.22	21.18		
10	25	12		21.16	21.21	21.19		
10	25	25		21.24	21.15	21.13		
10	50	0		21.18	21.07	21.11		
10	1	0	64-QAM	21.45	21.48	21.20	15.40	0.0347
10	1	25		21.19	21.19	21.28		
10	1	49		21.41	21.05	21.23		
10	25	0		20.12	20.19	20.17		
10	25	12		20.31	20.39	20.27		
10	25	25		20.14	20.21	20.11		
10	50	0		20.17	20.07	20.21		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.93 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.14	23.12	23.11	17.06	0.0508
5	1	12		23.14	23.06	23.06		
5	1	24		23.00	23.12	23.08		
5	12	0		22.11	22.16	22.22		
5	12	7		22.18	22.21	22.21		
5	12	13		22.17	22.22	22.18		
5	25	0		22.19	22.28	22.13		
5	1	0	16-QAM	22.45	22.38	22.31	16.39	0.0436
5	1	12		22.35	22.30	22.47		
5	1	24		22.37	22.41	22.40		
5	12	0		21.20	21.26	21.24		
5	12	7		21.26	21.30	21.29		
5	12	13		21.16	21.18	21.17		
5	25	0		21.17	21.17	21.19		
5	1	0	64-QAM	21.38	21.38	21.42	15.34	0.0342
5	1	12		21.25	21.32	21.38		
5	1	24		21.31	21.41	21.26		
5	12	0		20.23	20.26	20.22		
5	12	7		20.25	20.28	20.29		
5	12	13		20.14	20.14	20.17		
5	25	0		20.12	20.27	20.23		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.93 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.09	23.14	23.14	17.06	0.0508
3	1	8		23.10	23.12	23.08		
3	1	14		23.10	23.10	23.11		
3	8	0		22.18	22.16	22.18		
3	8	4		22.21	22.23	22.13		
3	8	7		22.14	22.14	22.19		
3	15	0		22.17	22.19	22.08		
3	1	0	16-QAM	22.46	22.49	22.43	16.41	0.0438
3	1	8		22.48	22.48	22.40		
3	1	14		22.27	22.32	22.24		
3	8	0		21.20	21.26	21.17		
3	8	4		21.21	21.27	21.15		
3	8	7		21.18	21.28	21.23		
3	15	0		21.17	21.20	21.17		
3	1	0	64-QAM	21.34	21.23	21.31	15.42	0.0348
3	1	8		21.50	21.46	21.34		
3	1	14		21.34	21.50	21.24		
3	8	0		20.21	20.25	20.19		
3	8	4		20.27	20.17	20.19		
3	8	7		20.13	20.22	20.15		
3	15	0		20.23	20.28	20.13		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.93 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.94	22.95	22.94	16.98	0.0499
1.4	1	3		23.01	23.00	23.02		
1.4	1	5		22.89	22.92	22.89		
1.4	3	0		23.03	22.97	22.95		
1.4	3	1		23.03	23.01	23.06		
1.4	3	3		23.01	22.99	22.95		
1.4	6	0		22.14	22.11	22.08		
1.4	1	0	16-QAM	22.26	22.24	22.31	16.37	0.0434
1.4	1	3		22.31	22.45	22.31		
1.4	1	5		22.28	22.25	22.26		
1.4	3	0		22.20	22.15	22.00		
1.4	3	1		22.05	22.17	22.05		
1.4	3	3		22.15	21.98	21.95		
1.4	6	0		21.14	21.12	21.14		
1.4	1	0	64-QAM	21.25	21.30	21.26	15.34	0.0342
1.4	1	3		21.37	21.42	21.24		
1.4	1	5		21.18	21.16	21.14		
1.4	3	0		21.10	21.16	21.13		
1.4	3	1		21.29	21.25	21.15		
1.4	3	3		21.17	21.20	21.13		
1.4	6	0		20.07	20.14	20.07		
Limit	ERP < 3W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.79	22.79	22.89	25.33	0.3412
20	1	49		22.81	22.79	22.79		
20	1	99		22.76	22.73	22.70		
20	50	0		21.90	21.86	21.87		
20	50	24		21.83	21.85	21.89		
20	50	50		21.81	21.88	21.85		
20	100	0		21.82	21.93	21.94		
20	1	0	16-QAM	21.90	21.95	22.00	24.44	0.2780
20	1	49		21.87	21.84	21.88		
20	1	99		21.86	21.86	21.80		
20	50	0		20.99	20.90	20.99		
20	50	24		20.87	20.90	21.00		
20	50	50		20.82	20.94	20.90		
20	100	0		20.91	20.95	20.95		
20	1	0	64-QAM	20.52	20.51	20.51	22.96	0.1977
20	1	49		20.48	20.50	20.47		
20	1	99		20.41	20.45	20.40		
20	50	0		19.96	19.94	19.95		
20	50	24		19.91	19.87	19.94		
20	50	50		19.85	19.92	19.88		
20	100	0		19.85	19.96	19.99		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.69	22.77	22.85	25.29	0.3381
15	1	37		22.75	22.75	22.81		
15	1	74		22.71	22.77	22.69		
15	36	0		21.90	21.92	21.96		
15	36	20		21.82	21.84	21.91		
15	36	39		21.78	21.91	21.88		
15	75	0		21.83	21.89	21.94		
15	1	0	16-QAM	21.91	22.02	22.01	24.46	0.2793
15	1	37		21.85	21.83	21.86		
15	1	74		21.94	21.93	21.88		
15	36	0		20.93	20.87	20.92		
15	36	20		20.80	20.81	20.91		
15	36	39		20.83	20.88	20.89		
15	75	0		20.91	20.91	20.96		
15	1	0	64-QAM	20.52	20.48	20.54	23.00	0.1995
15	1	37		20.52	20.56	20.52		
15	1	74		20.43	20.49	20.47		
15	36	0		19.98	19.92	19.88		
15	36	20		19.83	19.85	19.96		
15	36	39		19.85	19.93	19.89		
15	75	0		19.86	19.93	19.98		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.72	22.66	22.70	25.16	0.3281
10	1	25		22.53	22.58	22.64		
10	1	49		22.67	22.67	22.65		
10	25	0		21.91	21.86	21.88		
10	25	12		21.92	21.88	21.96		
10	25	25		21.87	21.93	21.91		
10	50	0		21.90	21.86	21.98		
10	1	0	16-QAM	22.12	22.09	22.12	24.56	0.2858
10	1	25		22.05	22.06	22.07		
10	1	49		22.09	22.11	22.04		
10	25	0		20.88	20.85	20.88		
10	25	12		20.93	20.88	20.97		
10	25	25		20.90	20.94	20.87		
10	50	0		20.95	20.88	20.99		
10	1	0	64-QAM	21.06	20.86	20.94	23.50	0.2239
10	1	25		20.83	20.92	20.87		
10	1	49		20.94	20.87	21.00		
10	25	0		20.03	19.97	19.97		
10	25	12		20.00	19.99	20.03		
10	25	25		19.96	20.05	19.98		
10	50	0		19.96	19.92	19.96		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 2.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.76	22.78	22.80	25.24	0.3342
5	1	12		22.71	22.73	22.73		
5	1	24		22.67	22.77	22.76		
5	12	0		21.88	21.86	21.84		
5	12	7		21.85	21.94	21.90		
5	12	13		21.85	21.93	21.89		
5	25	0		21.80	21.87	21.89		
5	1	0	16-QAM	21.93	21.92	21.93	24.40	0.2754
5	1	12		21.93	21.93	21.96		
5	1	24		21.90	21.96	21.96		
5	12	0		20.87	20.84	20.81		
5	12	7		20.85	20.91	20.91		
5	12	13		20.77	20.91	20.84		
5	25	0		20.83	20.89	20.91		
5	1	0	64-QAM	20.49	20.54	20.50	22.98	0.1986
5	1	12		20.50	20.51	20.47		
5	1	24		20.45	20.52	20.50		
5	12	0		19.96	19.95	19.89		
5	12	7		19.89	19.96	19.99		
5	12	13		19.87	19.97	19.96		
5	25	0		19.84	19.95	19.97		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.90	22.79	22.70	25.39	0.3459
20	1	49		22.75	22.71	22.69		
20	1	99		22.60	22.79	22.82		
20	50	0		21.96	21.82	21.74		
20	50	24		21.88	21.80	21.75		
20	50	50		21.79	21.82	21.80		
20	100	0		21.87	21.79	21.72		
20	1	0	16-QAM	21.98	21.98	21.82	24.47	0.2799
20	1	49		21.84	21.84	21.72		
20	1	99		21.69	21.90	21.89		
20	50	0		21.01	20.88	20.75		
20	50	24		20.93	20.85	20.77		
20	50	50		20.83	20.89	20.82		
20	100	0		20.94	20.81	20.76		
20	1	0	64-QAM	20.67	20.44	20.40	23.16	0.2070
20	1	49		20.45	20.37	20.36		
20	1	99		20.34	20.45	20.54		
20	50	0		20.03	19.82	19.80		
20	50	24		19.96	19.82	19.80		
20	50	50		19.85	19.88	19.84		
20	100	0		19.92	19.85	19.77		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.88	22.80	22.74	25.37	0.3443
15	1	37		22.79	22.70	22.72		
15	1	74		22.71	22.80	22.81		
15	36	0		22.02	21.85	21.80		
15	36	20		21.95	21.81	21.82		
15	36	39		21.90	21.87	21.86		
15	75	0		21.94	21.82	21.79		
15	1	0	16-QAM	22.06	21.89	21.92	24.55	0.2851
15	1	37		21.88	21.75	21.80		
15	1	74		21.86	21.94	21.91		
15	36	0		21.00	20.80	20.78		
15	36	20		20.93	20.79	20.73		
15	36	39		20.90	20.84	20.82		
15	75	0		20.98	20.86	20.82		
15	1	0	64-QAM	20.68	20.47	20.41	23.17	0.2075
15	1	37		20.56	20.49	20.50		
15	1	74		20.46	20.55	20.57		
15	36	0		20.04	19.85	19.83		
15	36	20		19.97	19.83	19.84		
15	36	39		19.91	19.90	19.90		
15	75	0		20.02	19.86	19.88		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.81	22.61	22.61	25.30	0.3388
10	1	25		22.75	22.66	22.61		
10	1	49		22.72	22.66	22.70		
10	25	0		22.00	21.81	21.77		
10	25	12		22.00	21.82	21.89		
10	25	25		21.92	21.91	21.84		
10	50	0		21.97	21.77	21.86		
10	1	0	16-QAM	22.24	22.08	22.06	24.73	0.2972
10	1	25		22.17	22.06	22.09		
10	1	49		22.13	22.07	22.08		
10	25	0		21.01	20.83	20.78		
10	25	12		21.00	20.84	20.90		
10	25	25		20.93	20.88	20.86		
10	50	0		21.02	20.90	20.92		
10	1	0	64-QAM	21.21	20.82	20.85	23.70	0.2344
10	1	25		21.11	20.93	21.03		
10	1	49		20.93	20.91	20.93		
10	25	0		20.16	19.93	19.90		
10	25	12		20.09	19.95	20.00		
10	25	25		20.05	19.96	19.98		
10	50	0		20.01	19.86	19.95		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.49 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.89	22.74	22.77	25.38	0.3451
5	1	12		22.81	22.75	22.73		
5	1	24		22.88	22.73	22.79		
5	12	0		22.03	21.83	21.84		
5	12	7		22.09	21.85	21.91		
5	12	13		22.03	21.88	21.87		
5	25	0		22.02	21.78	21.88		
5	1	0	16-QAM	22.15	21.91	21.89	24.66	0.2924
5	1	12		22.17	22.07	22.04		
5	1	24		22.08	21.97	21.97		
5	12	0		21.03	20.83	20.83		
5	12	7		21.03	20.81	20.86		
5	12	13		20.97	20.88	20.87		
5	25	0		21.02	20.83	20.90		
5	1	0	64-QAM	20.78	20.47	20.45	23.27	0.2123
5	1	12		20.67	20.51	20.51		
5	1	24		20.66	20.51	20.51		
5	12	0		20.12	19.89	19.88		
5	12	7		20.13	19.93	19.97		
5	12	13		20.10	19.96	19.93		
5	25	0		20.10	19.89	19.94		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.49 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.63	21.92	21.34	26.11	0.4083
20+20	1	0	1	99		15.15	15.38	14.99		
20+20	1	99	1	0		23.26	23.62	23.23		
20+20	100	0	100	0	16-QAM	20.77	21.09	20.51	26.00	0.3981
20+20	1	0	1	99		15.57	15.89	15.30		
20+20	1	99	1	0		23.25	23.51	22.60		
20+20	100	0	100	0	64-QAM	20.89	21.27	20.56	24.61	0.2891
20+20	1	0	1	99		15.22	15.45	14.83		
20+20	1	99	1	0		22.06	22.12	21.38		
20+15	100	0	75	0	QPSK	21.51	22.07	21.27	26.12	0.4093
20+15	1	0	1	74		14.80	15.59	14.77		
20+15	1	99	1	0		23.22	23.63	23.15		
20+15	100	0	75	0	16-QAM	20.69	21.16	20.24	25.64	0.3664
20+15	1	0	1	74		15.38	15.69	15.20		
20+15	1	99	1	0		22.91	23.15	22.56		
20+15	100	0	75	0	64-QAM	21.17	21.03	20.30	24.43	0.2773
20+15	1	0	1	74		15.11	15.74	14.95		
20+15	1	99	1	0		21.78	21.94	21.38		
15+20	75	0	100	0	QPSK	21.55	21.75	21.36	26.26	0.4227
15+20	1	0	1	99		15.09	15.09	14.93		
15+20	1	74	1	0		22.99	23.77	22.87		
15+20	75	0	100	0	16-QAM	20.37	21.01	20.40	25.55	0.3589
15+20	1	0	1	99		15.51	15.76	15.10		
15+20	1	74	1	0		22.62	23.06	22.63		
15+20	75	0	100	0	64-QAM	20.31	20.77	20.46	24.24	0.2655
15+20	1	0	1	99		14.89	15.30	14.85		
15+20	1	74	1	0		21.55	21.75	21.17		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.49 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	21.17	21.95	21.21	26.01	0.3990
20+10	1	0	1	49		14.89	15.24	14.79		
20+10	1	99	1	0		22.86	23.52	22.55		
20+10	100	0	50	0	16-QAM	20.45	21.02	19.97	25.78	0.3784
20+10	1	0	1	49		15.37	15.83	15.06		
20+10	1	99	1	0		22.64	23.29	22.40		
20+10	100	0	50	0	64-QAM	20.12	20.87	20.07	23.92	0.2466
20+10	1	0	1	49		15.00	15.45	14.91		
20+10	1	99	1	0		21.43	21.30	20.69		
10+20	50	0	100	0	QPSK	21.27	21.84	21.24	26.12	0.4093
10+20	1	0	1	99		14.70	15.55	14.47		
10+20	1	49	1	0		23.16	23.63	22.99		
10+20	50	0	100	0	16-QAM	20.21	21.03	20.16	25.71	0.3724
10+20	1	0	1	99		15.26	15.66	15.32		
10+20	1	49	1	0		22.77	23.22	22.40		
10+20	50	0	100	0	64-QAM	19.36	20.86	20.33	23.72	0.2355
10+20	1	0	1	99		15.12	15.30	14.92		
10+20	1	49	1	0		20.22	21.23	20.91		
20+5	100	0	25	0	QPSK	21.33	21.90	21.01	26.12	0.4093
20+5	1	0	1	24		14.87	15.65	14.61		
20+5	1	99	1	0		23.13	23.63	22.89		
20+5	100	0	25	0	16-QAM	20.56	20.97	20.22	26.02	0.3999
20+5	1	0	1	24		15.29	15.87	15.20		
20+5	1	99	1	0		22.79	23.53	22.83		
20+5	100	0	25	0	64-QAM	20.53	20.96	20.28	24.68	0.2938
20+5	1	0	1	24		14.85	15.67	14.85		
20+5	1	99	1	0		21.61	22.19	21.59		
Limit	EIRP < 2W					Result			Pass	

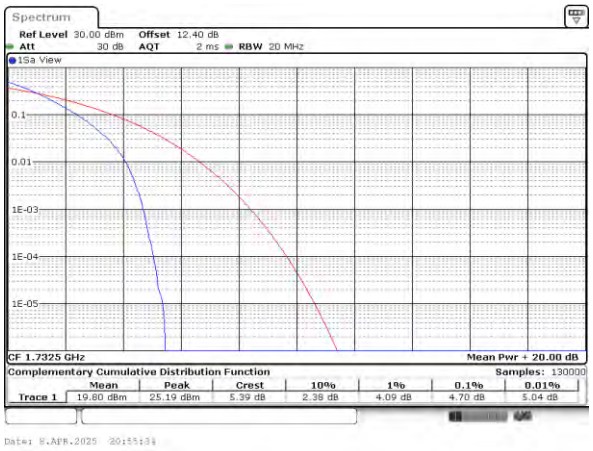
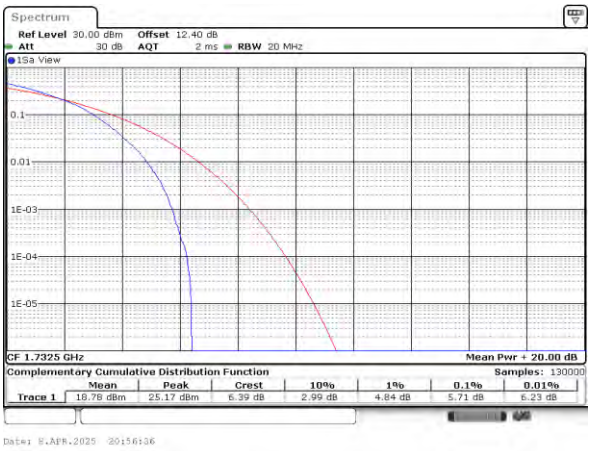
LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.49 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	21.72	21.90	21.14	26.10	0.4074
5+20	1	0	1	99		15.24	15.59	14.90		
5+20	1	24	1	0		23.17	23.61	22.96		
5+20	25	0	100	0	16-QAM	20.70	21.28	20.17	25.89	0.3882
5+20	1	0	1	99		15.89	15.98	15.45		
5+20	1	24	1	0		22.80	23.40	22.83		
5+20	25	0	100	0	64-QAM	19.87	21.11	20.18	24.31	0.2698
5+20	1	0	1	99		15.46	15.70	15.20		
5+20	1	24	1	0		19.90	21.82	21.55		
15+10	75	0	50	0	QPSK	21.26	21.74	21.20	26.23	0.4198
15+10	1	0	1	49		14.87	15.24	14.57		
15+10	1	74	1	0		22.97	23.74	22.58		
15+10	75	0	50	0	16-QAM	20.12	20.77	20.01	25.58	0.3614
15+10	1	0	1	49		15.38	15.94	15.26		
15+10	1	74	1	0		22.63	23.09	22.46		
15+10	75	0	50	0	64-QAM	20.04	20.78	20.21	24.15	0.2600
15+10	1	0	1	49		15.05	15.32	14.77		
15+10	1	74	1	0		20.78	21.66	21.10		
10+15	50	0	75	0	QPSK	21.38	21.92	21.19	26.00	0.3981
10+15	1	0	1	74		15.03	15.15	14.70		
10+15	1	49	1	0		22.97	23.51	23.03		
10+15	50	0	75	0	16-QAM	20.51	21.18	20.13	25.53	0.3573
10+15	1	0	1	74		15.52	15.93	15.27		
10+15	1	49	1	0		22.46	23.04	22.69		
10+15	50	0	75	0	64-QAM	19.84	20.80	20.11	23.90	0.2455
10+15	1	0	1	74		15.00	15.73	14.79		
10+15	1	49	1	0		20.27	21.41	21.30		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.49 dB)									
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	21.51	21.69	21.04	26.05	0.4027
15+15	1	0	1	74		14.89	15.13	14.42		
15+15	1	74	1	0		22.95	23.56	22.79		
15+15	75	0	75	0	16-QAM	20.39	20.89	20.08	25.38	0.3451
15+15	1	0	1	74		15.22	15.67	15.08		
15+15	1	74	1	0		22.68	22.89	22.65		
15+15	75	0	75	0	64-QAM	19.71	20.61	20.05	23.73	0.2360
15+15	1	0	1	74		15.02	15.40	15.10		
15+15	1	74	1	0		20.81	21.24	21.12		
Limit	EIRP < 2W					Result			Pass	

LTE Band 4

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.71	6.46	-	PASS

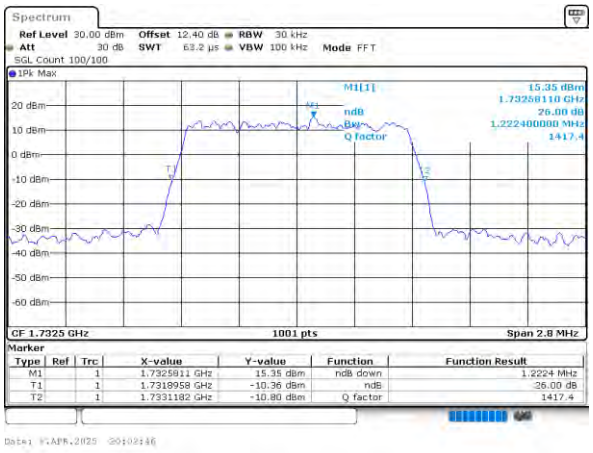
LTE Band 4 / 20MHz / QPSK	LTE Band 4 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 4 / 20MHz / 64QAM	LTE Band 4 / 20MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	-

26dB Bandwidth

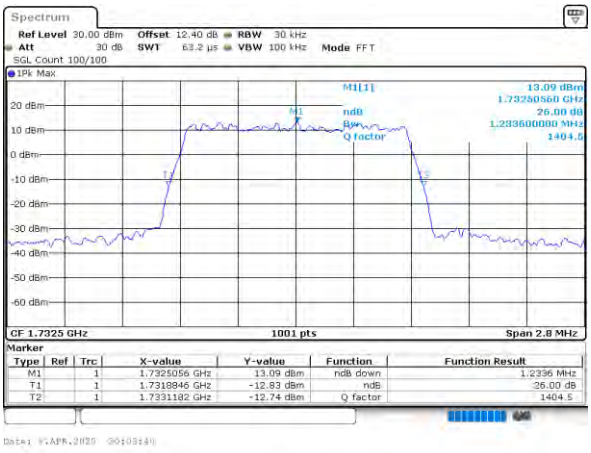
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.22	1.23	3.01	3.04	4.89	4.90	9.65	9.66	14.59	14.32	19.06	19.10
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.21	-	2.99	-	4.84	-	9.68	-	14.47	-	19.22	-

LTE Band 4

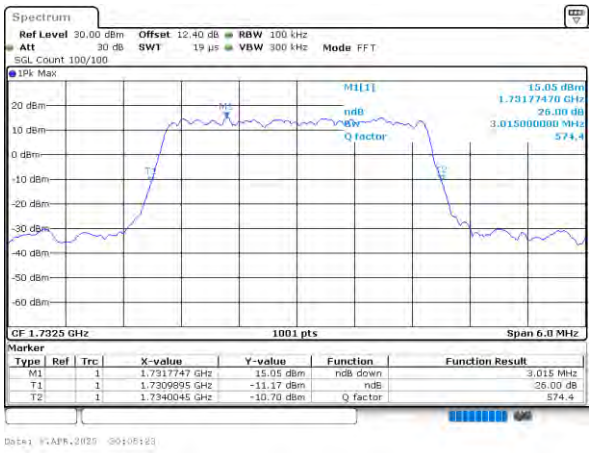
Middle Channel / 1.4MHz / QPSK



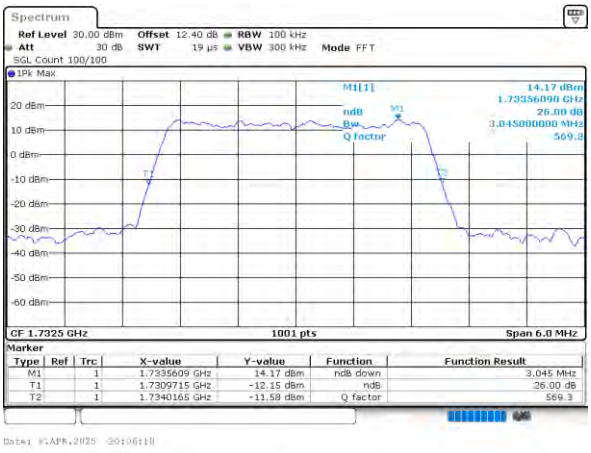
Middle Channel / 1.4MHz / 16QAM



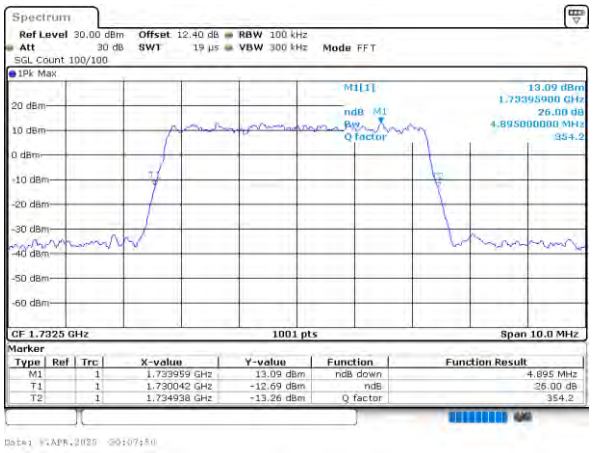
Middle Channel / 3MHz / QPSK



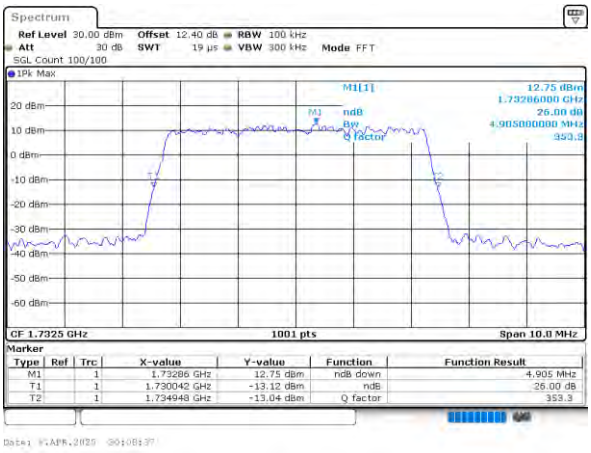
Middle Channel / 3MHz / 16QAM

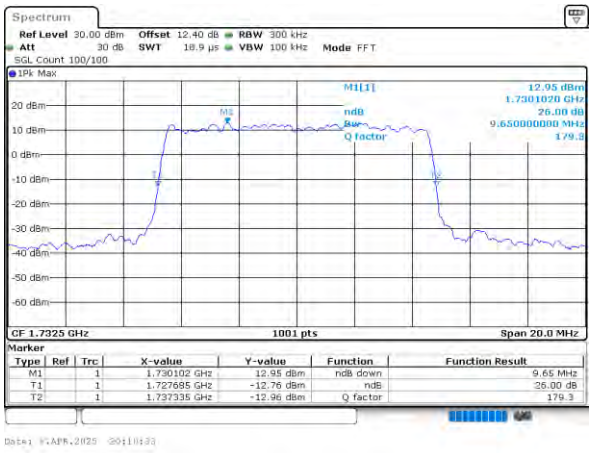
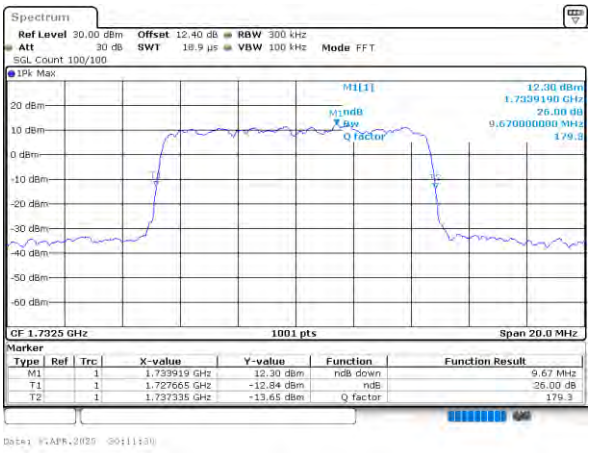
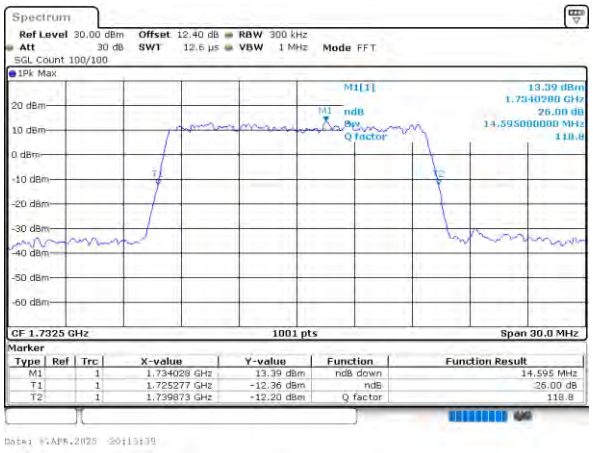
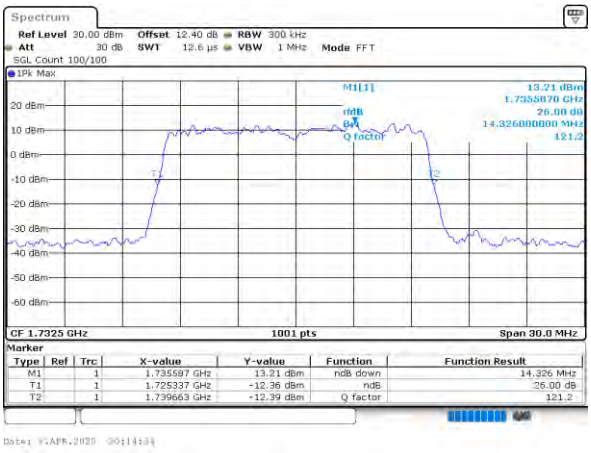
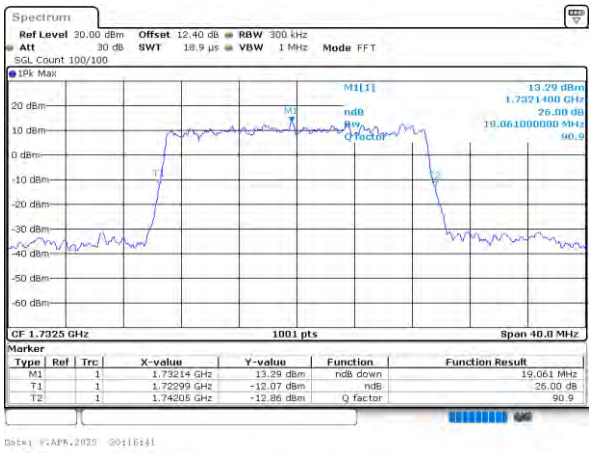
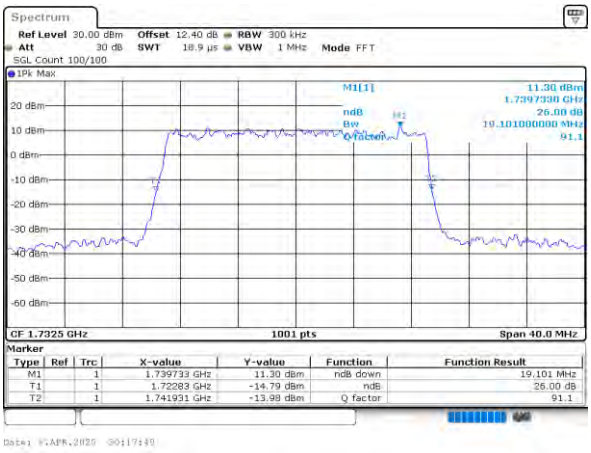


Middle Channel / 5MHz / QPSK



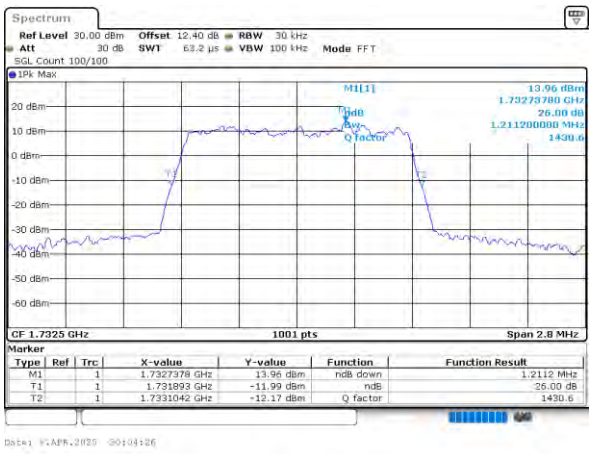
Middle Channel / 5MHz / 16QAM



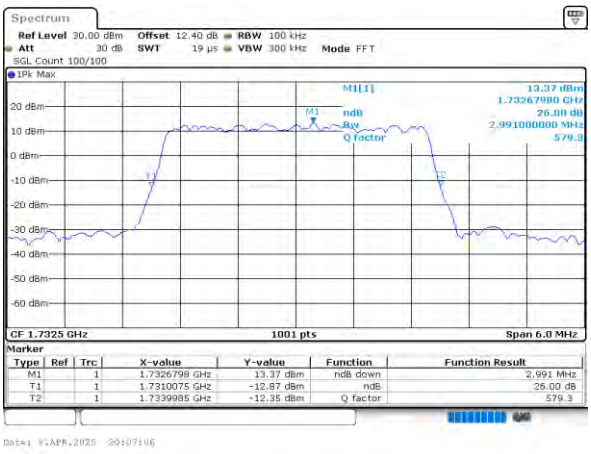
LTE Band 4	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

LTE Band 4

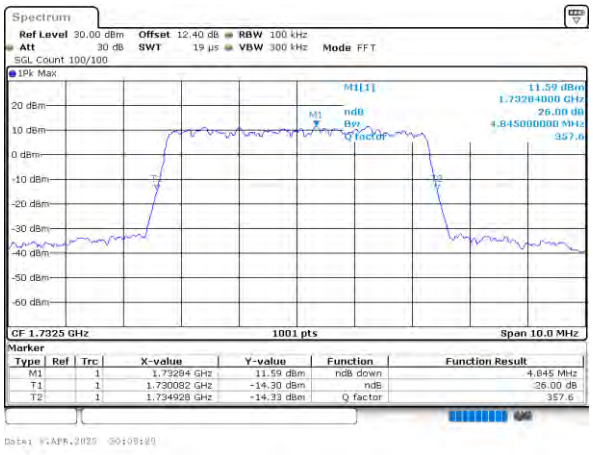
Middle Channel / 1.4MHz / 64QAM



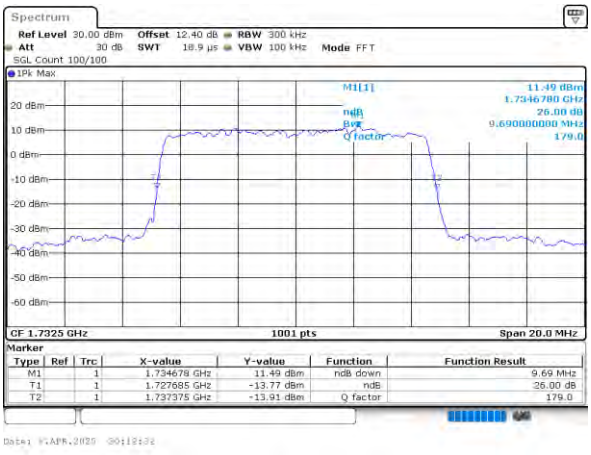
Middle Channel / 3MHz / 64QAM



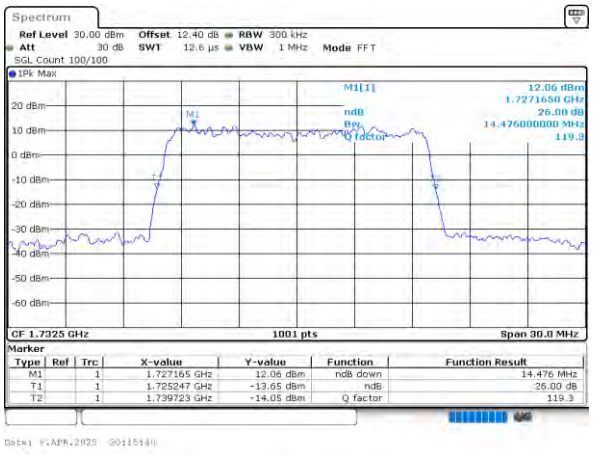
Middle Channel / 5MHz / 64QAM



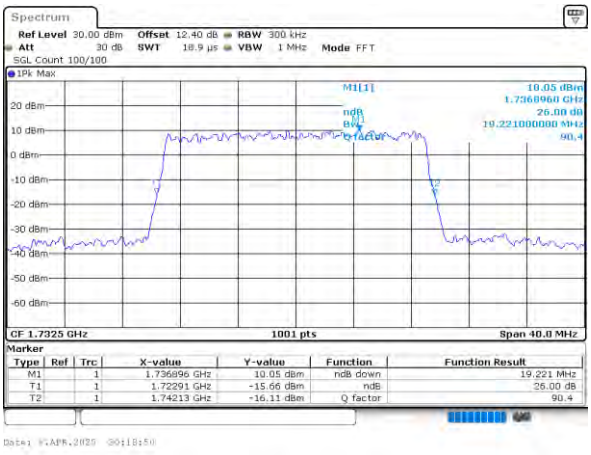
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

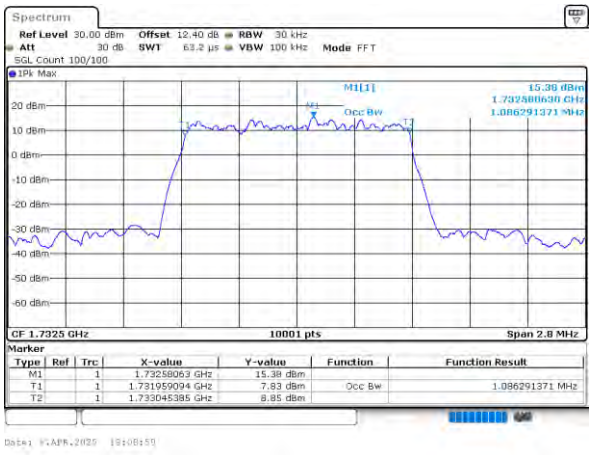
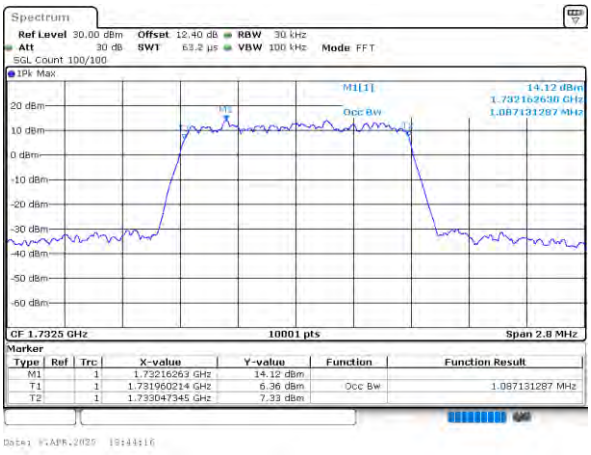
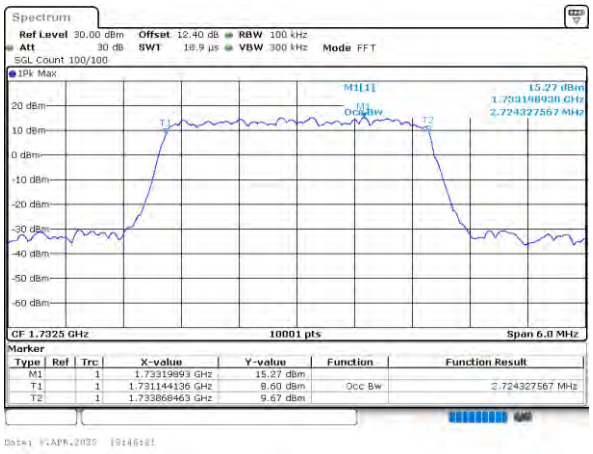
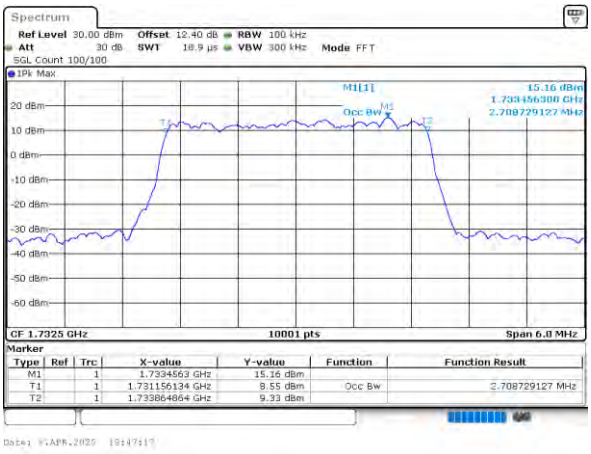
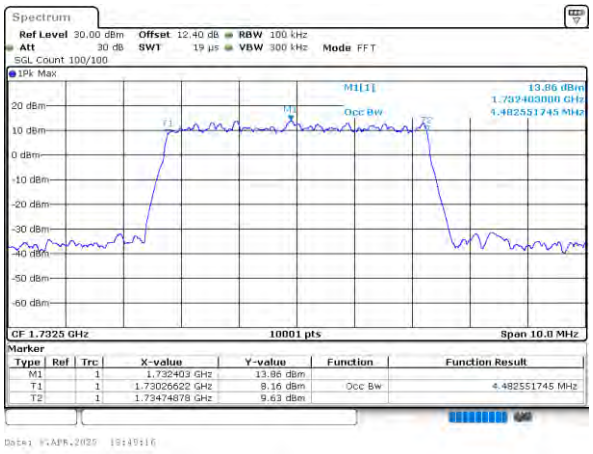
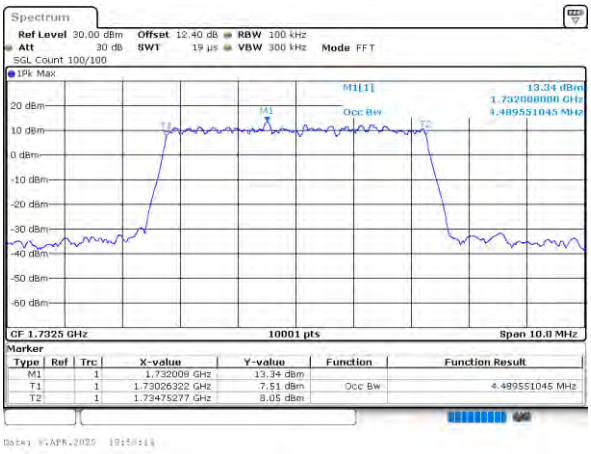


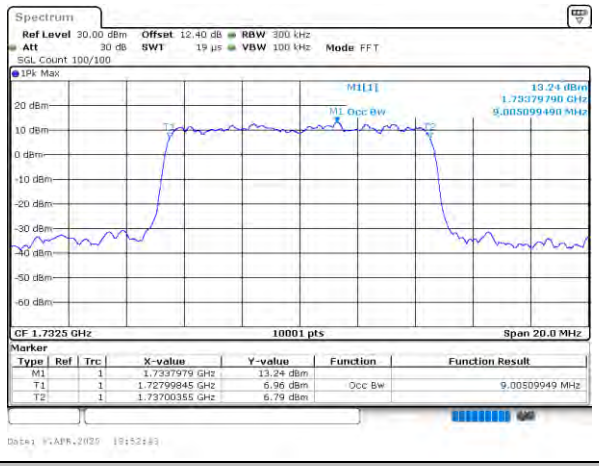
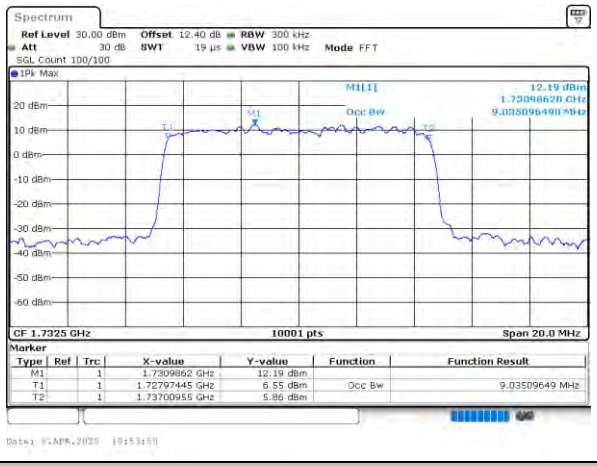
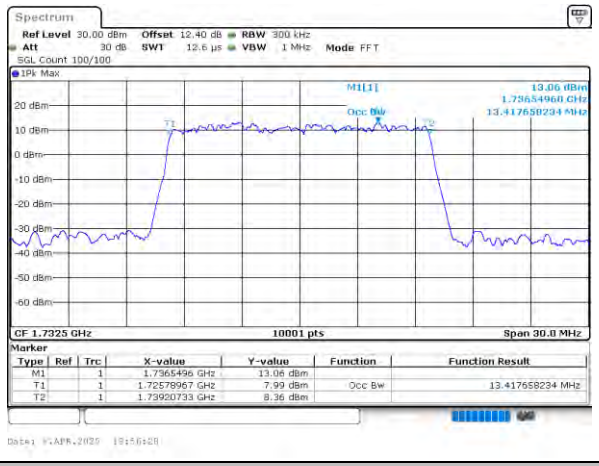
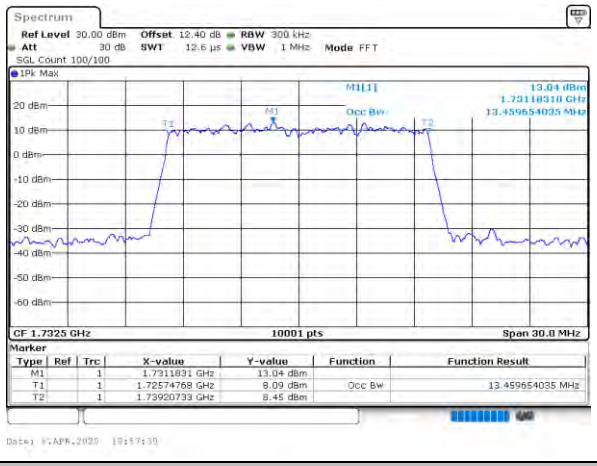
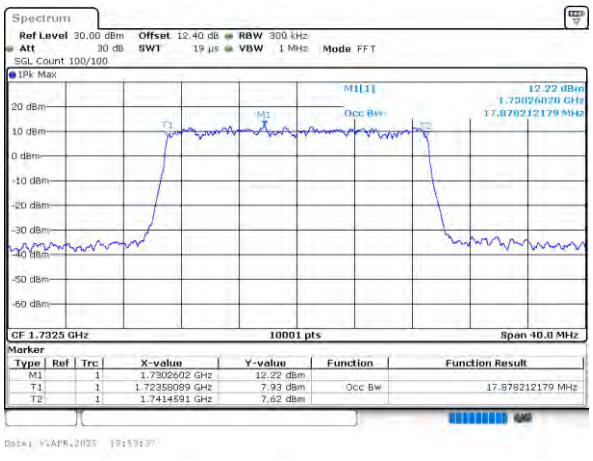
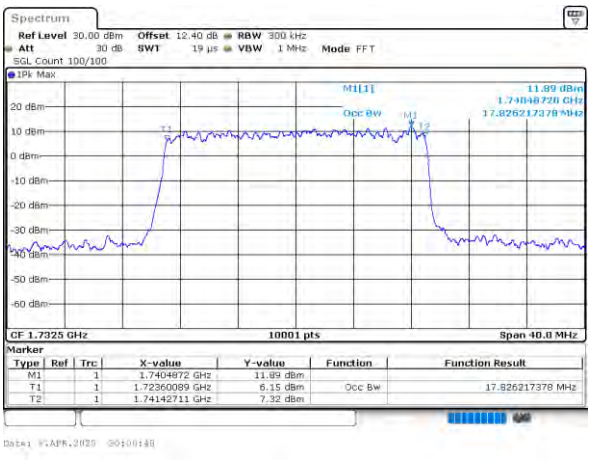
Middle Channel / 20MHz / 64QAM



Occupied Bandwidth

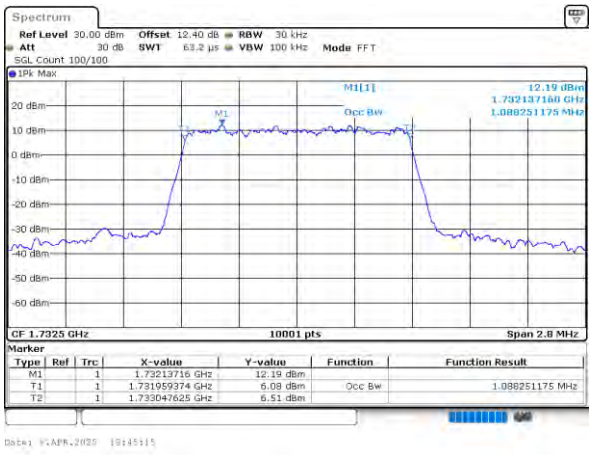
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	1.08	2.72	2.70	4.48	4.48	9.00	9.03	13.41	13.45	17.87	17.82
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.08	-	2.72	-	4.47	-	9.07	-	13.40	-	17.83	-

LTE Band 4	
Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
	
Middle Channel / 3MHz / QPSK	**Middle Channel / 3MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	

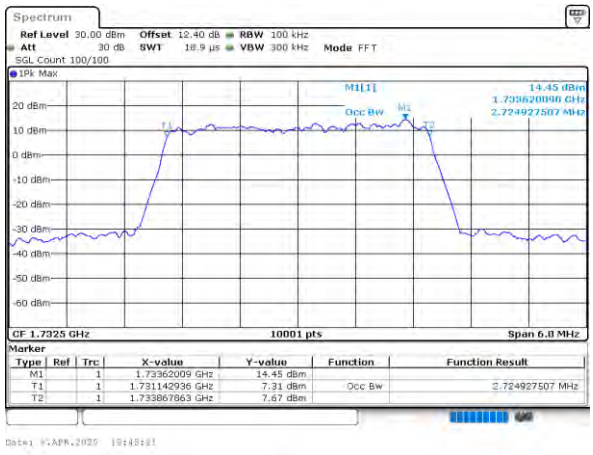
LTE Band 4	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

LTE Band 4

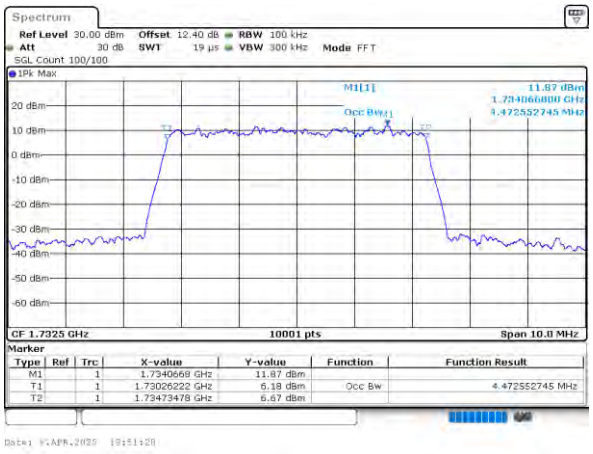
Middle Channel / 1.4MHz / 64QAM



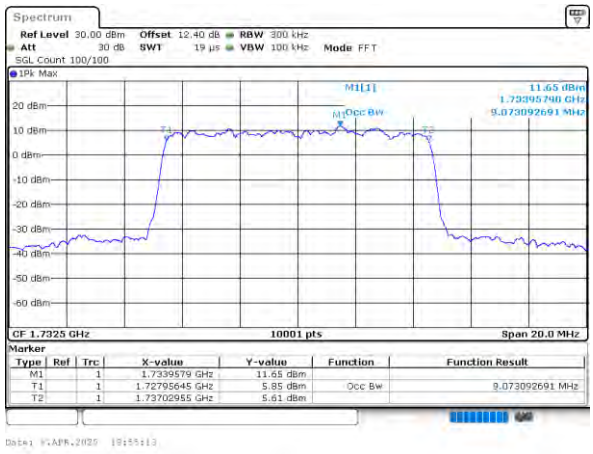
Middle Channel / 3MHz / 64QAM



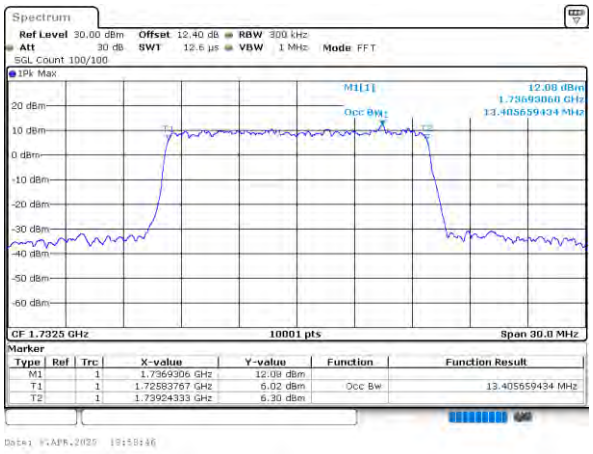
Middle Channel / 5MHz / 64QAM



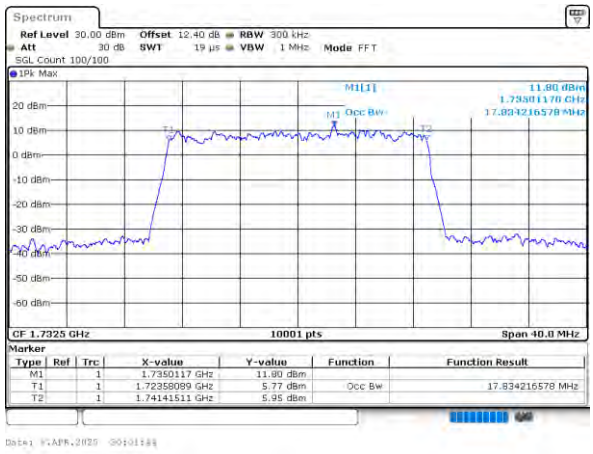
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



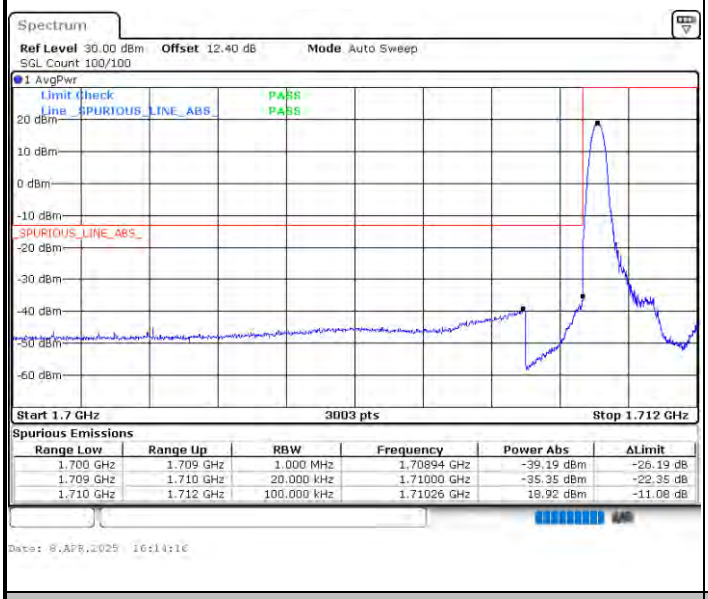
Middle Channel / 20MHz / 64QAM



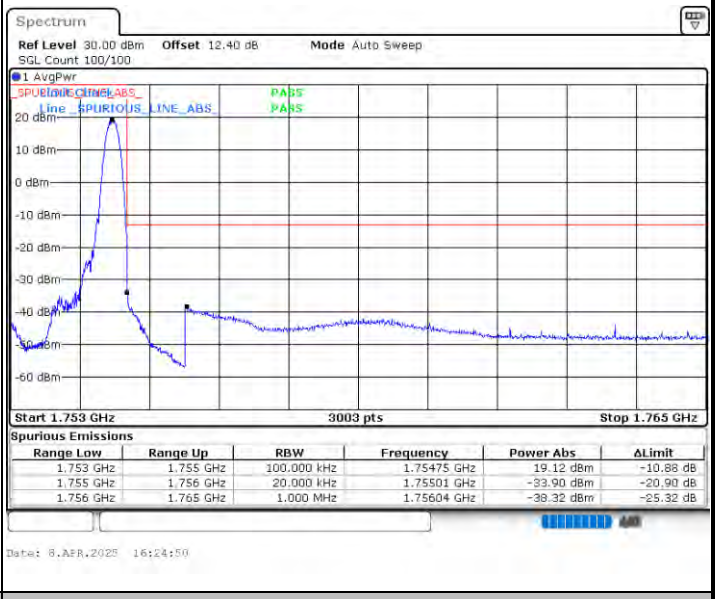
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

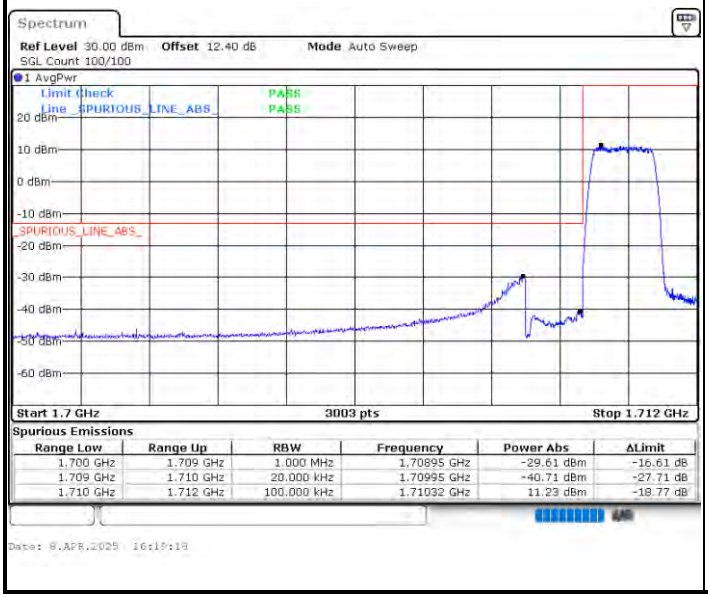
Lowest Band Edge / 1RB



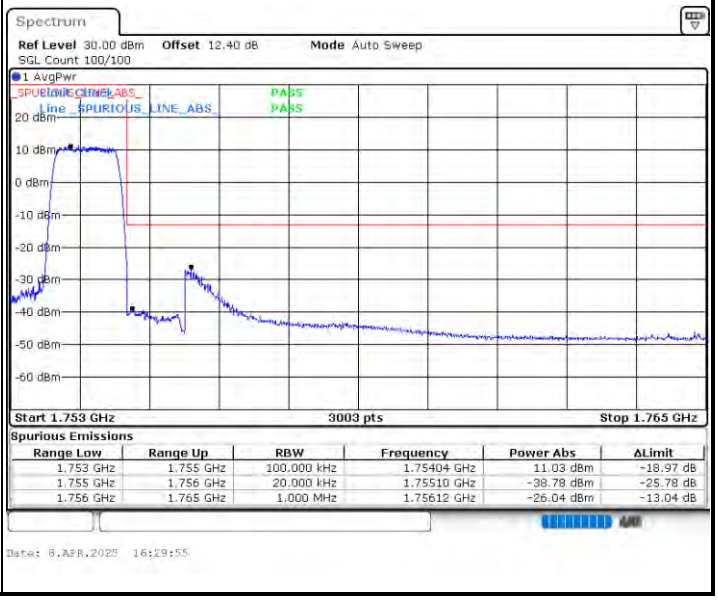
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

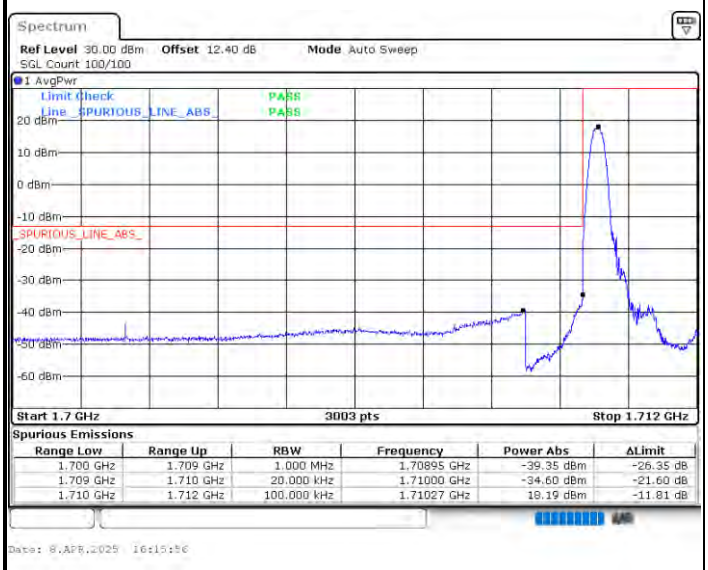


Highest Band Edge / Full RB

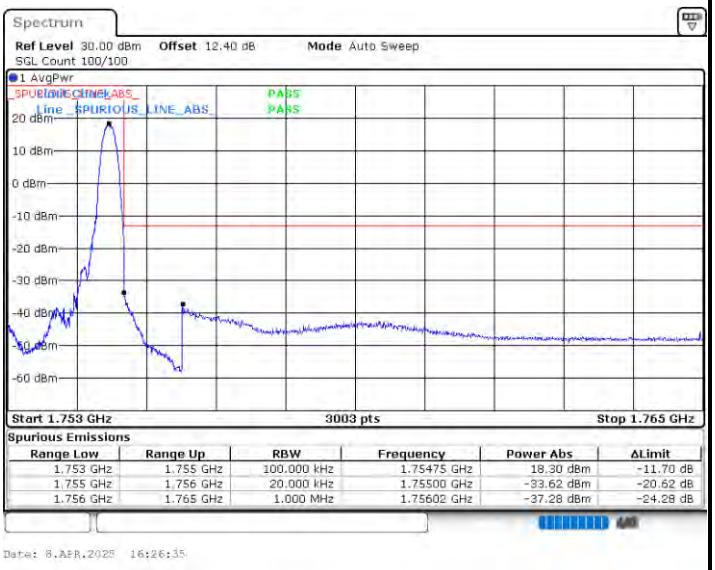


LTE Band 4 / 1.4MHz / 16QAM

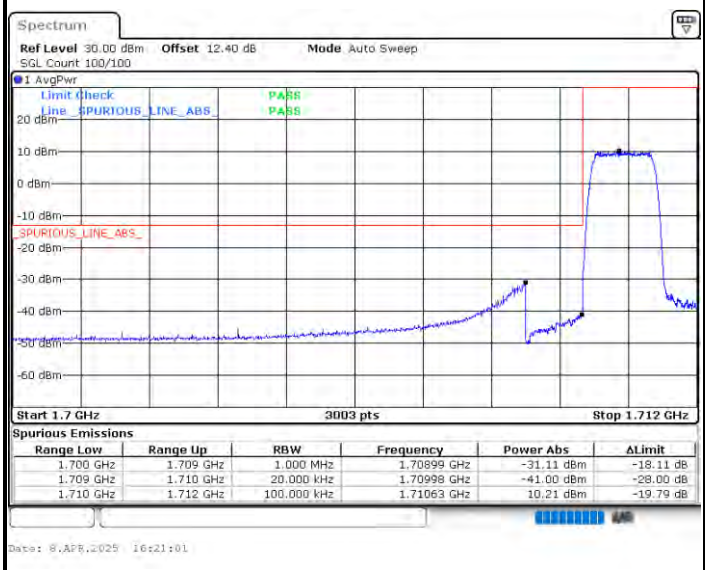
Lowest Band Edge / 1 RB



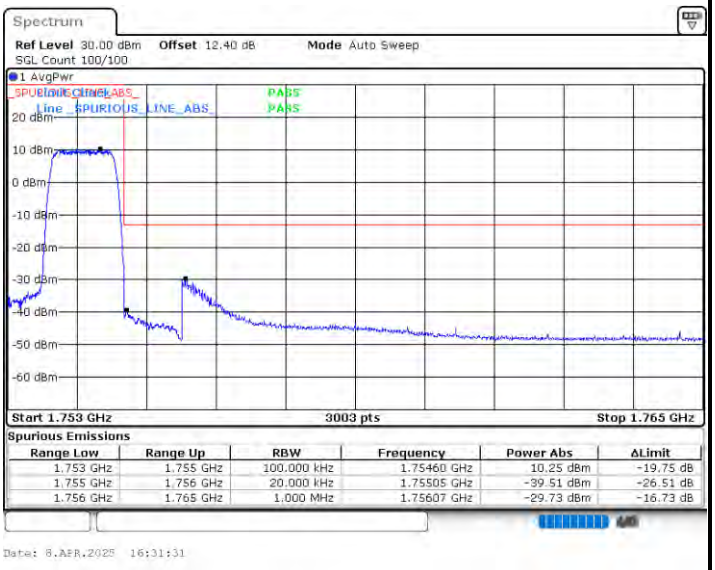
Highest Band Edge / 1 RB

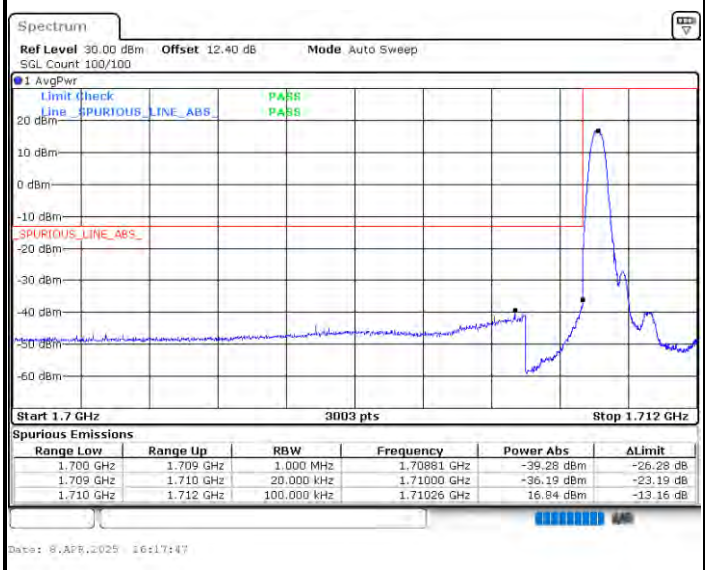
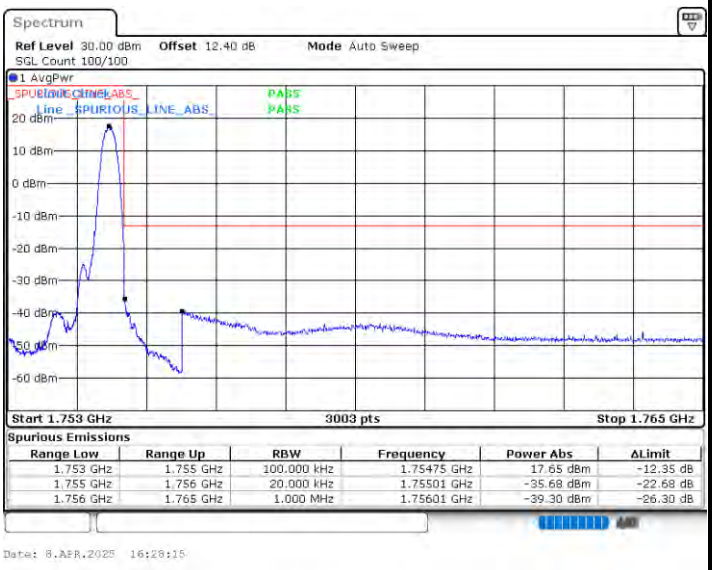
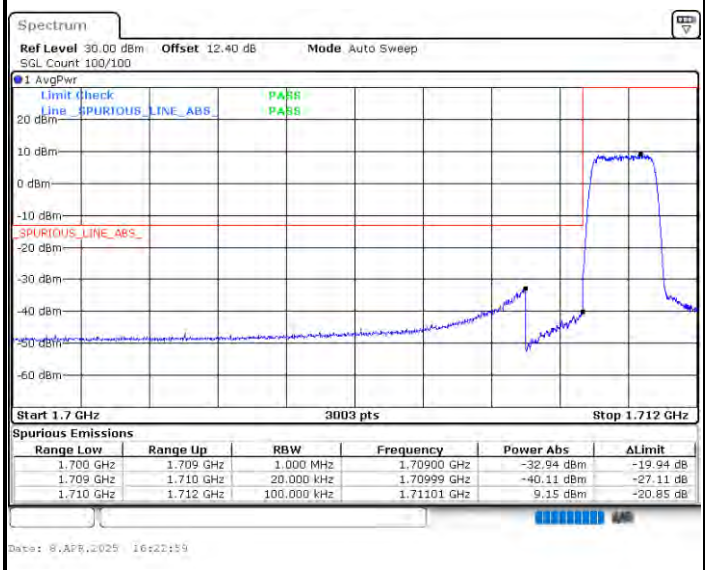
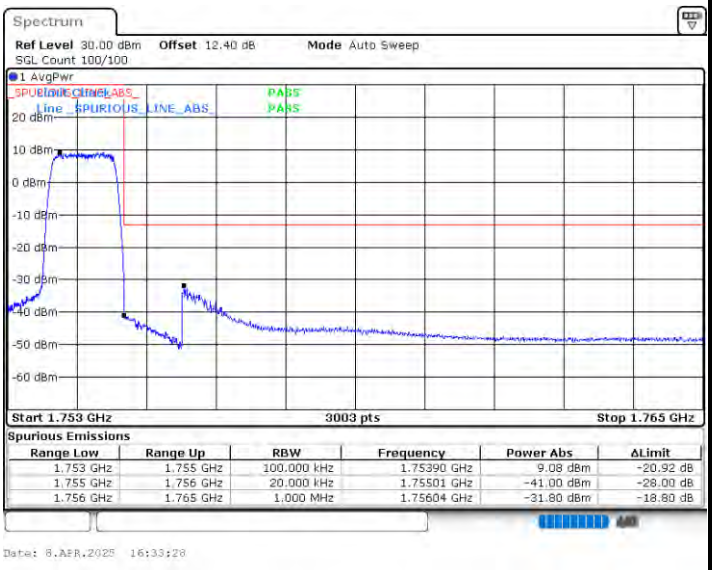


Lowest Band Edge / Full RB



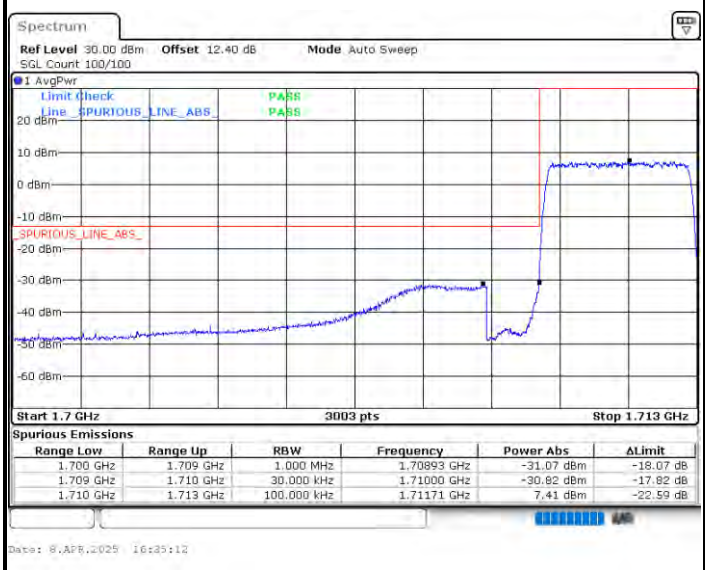
Highest Band Edge / Full RB



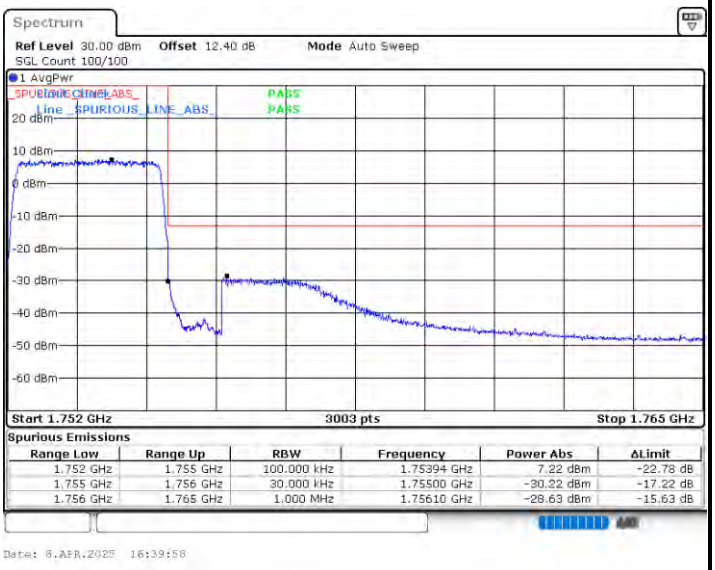
LTE Band 4 / 1.4MHz / 64QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / Full RB

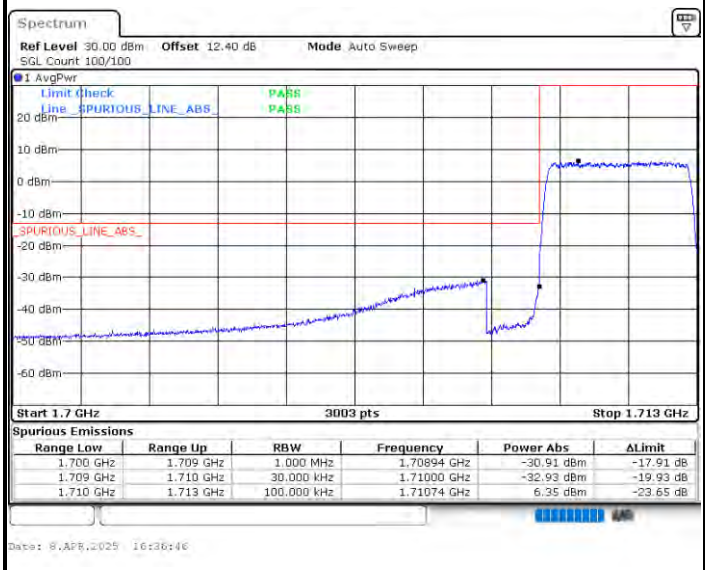


Highest Band Edge / Full RB

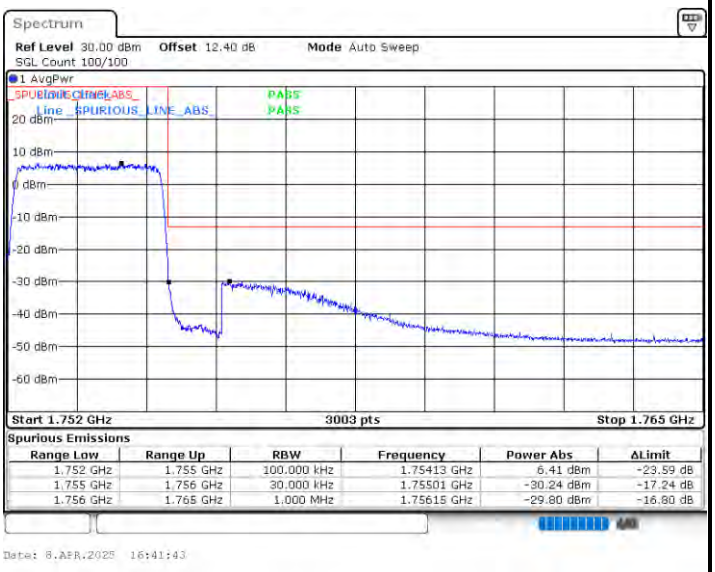


LTE Band 4 / 3MHz / 16QAM

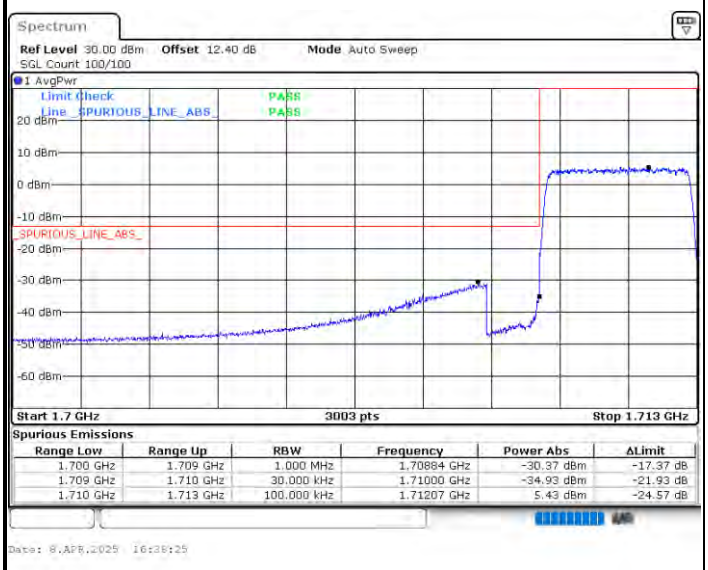
Lowest Band Edge / Full RB

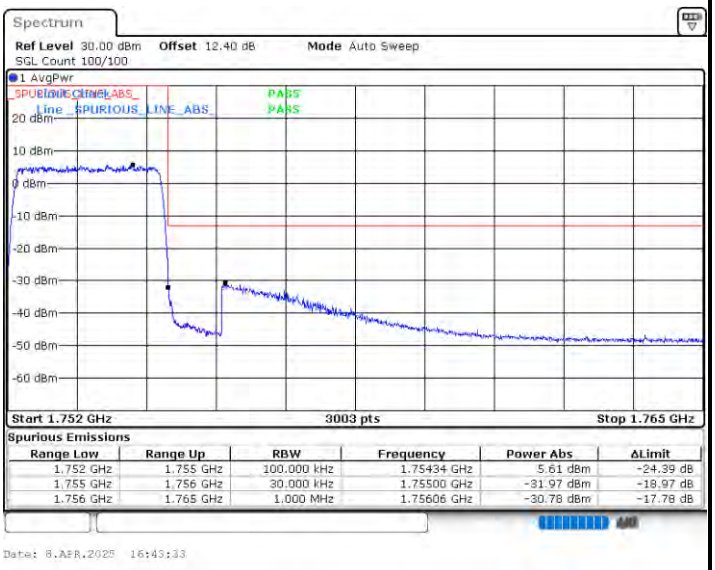


Highest Band Edge / Full RB

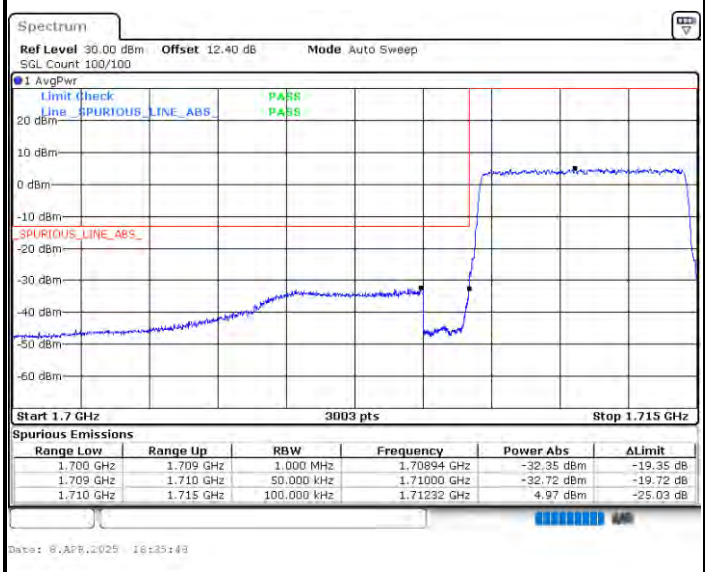


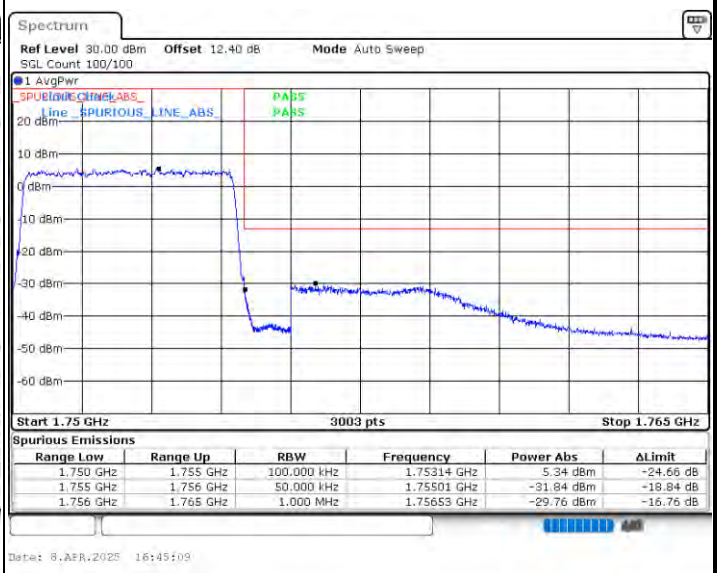
LTE Band 4 / 3MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



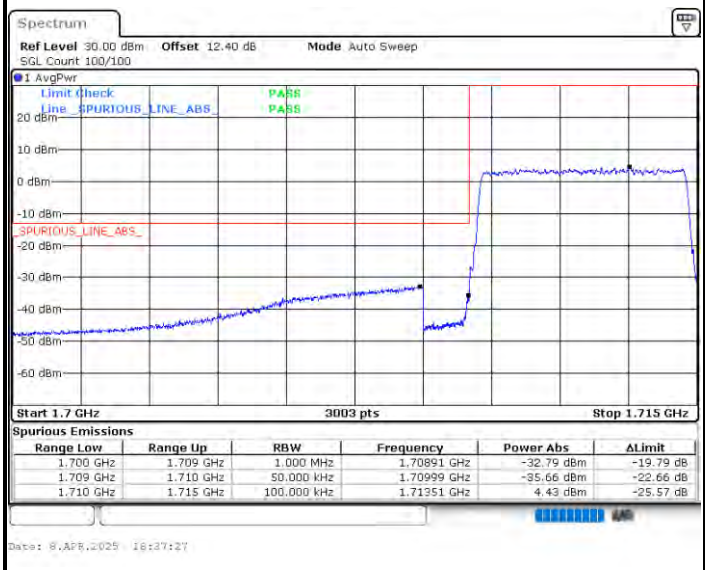


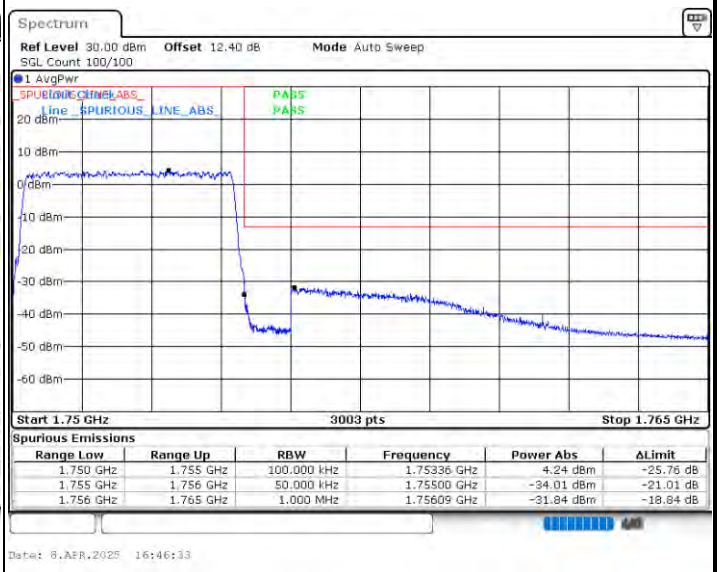
LTE Band 4 / 5MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



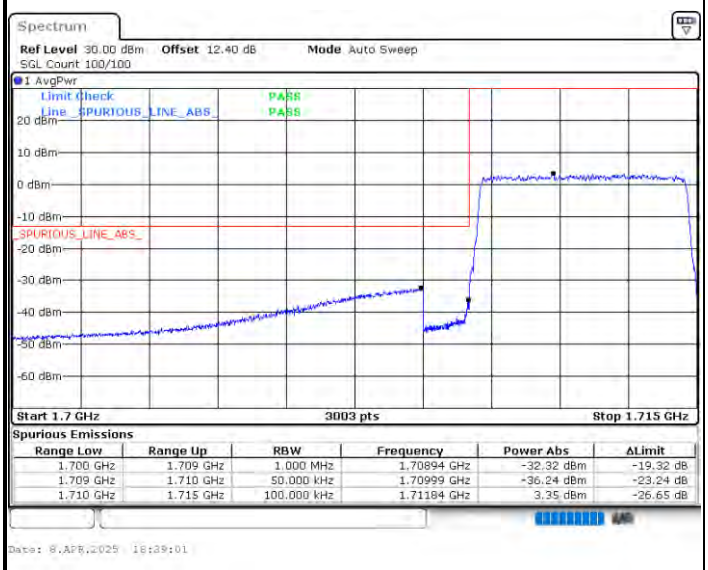


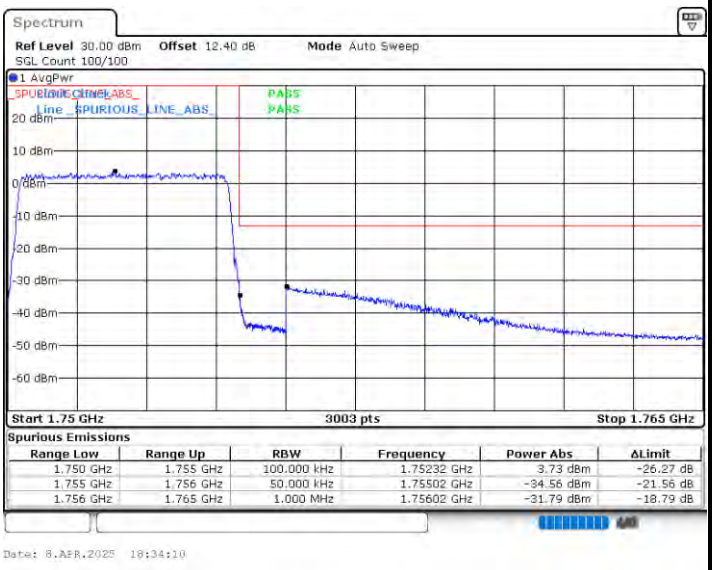
LTE Band 4 / 5MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



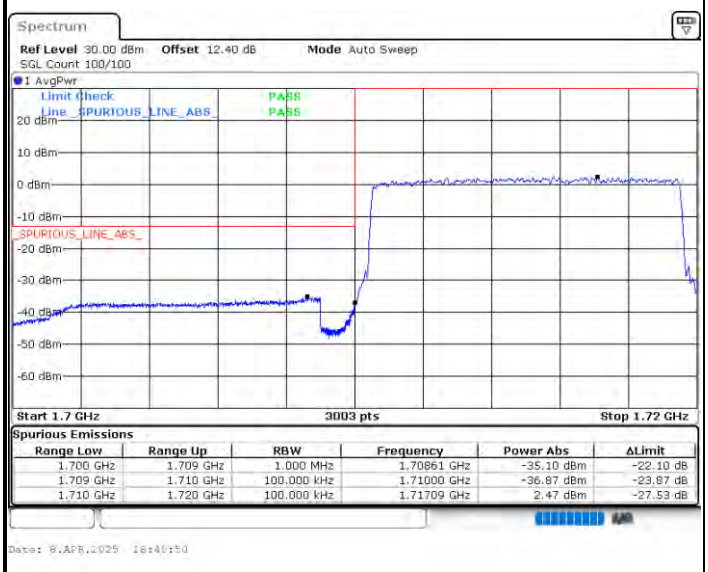


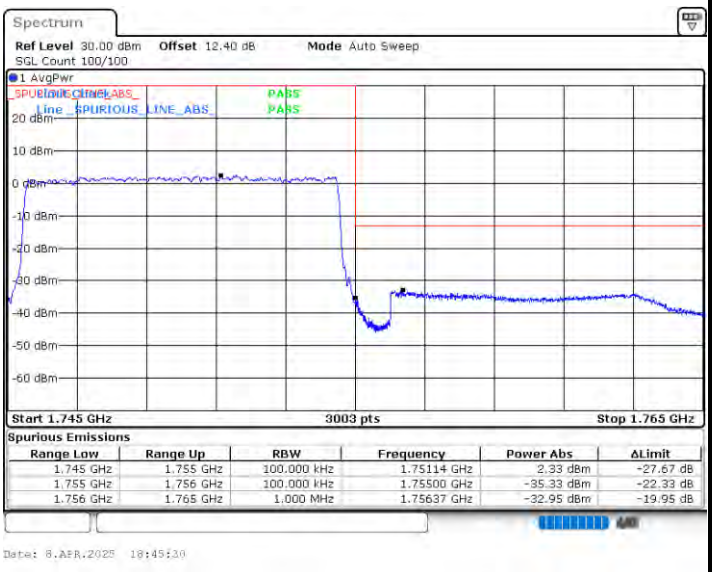
LTE Band 4 / 5MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



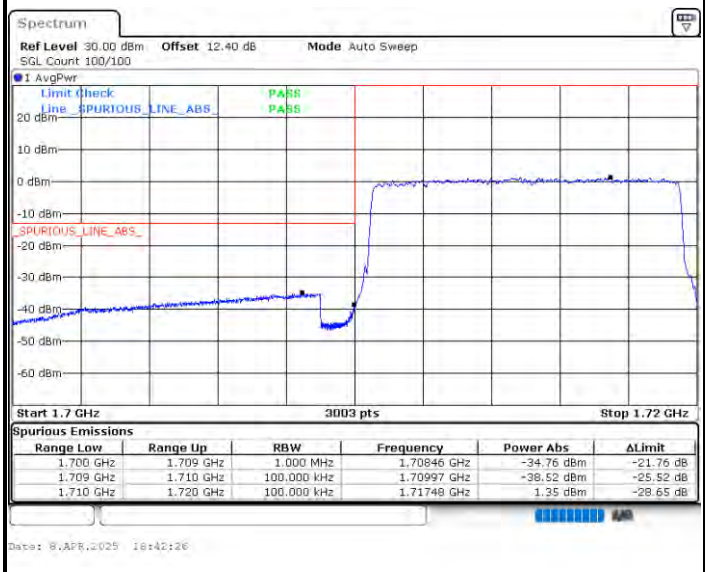


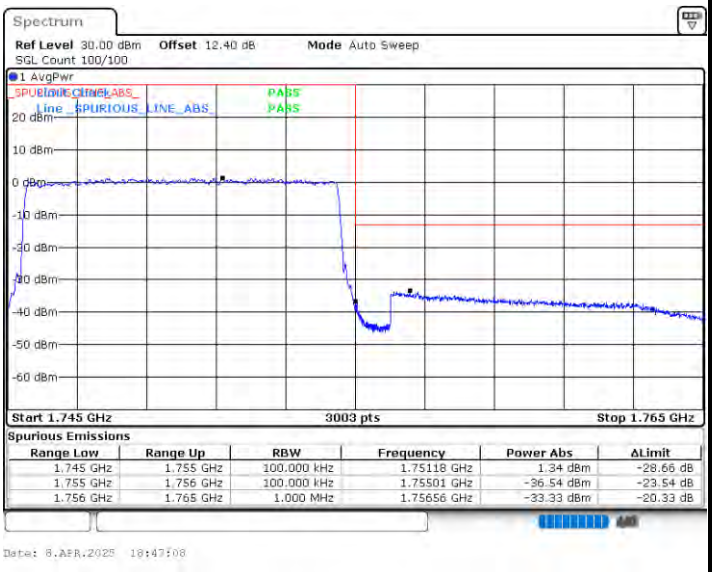
LTE Band 4 / 10MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



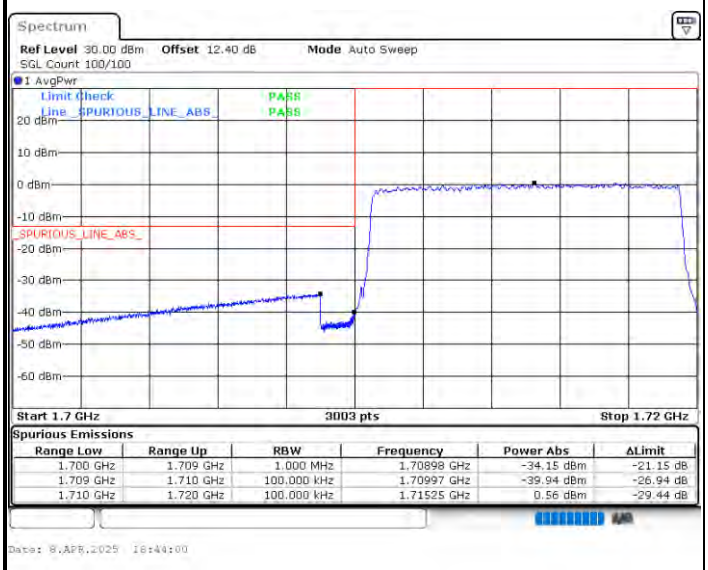


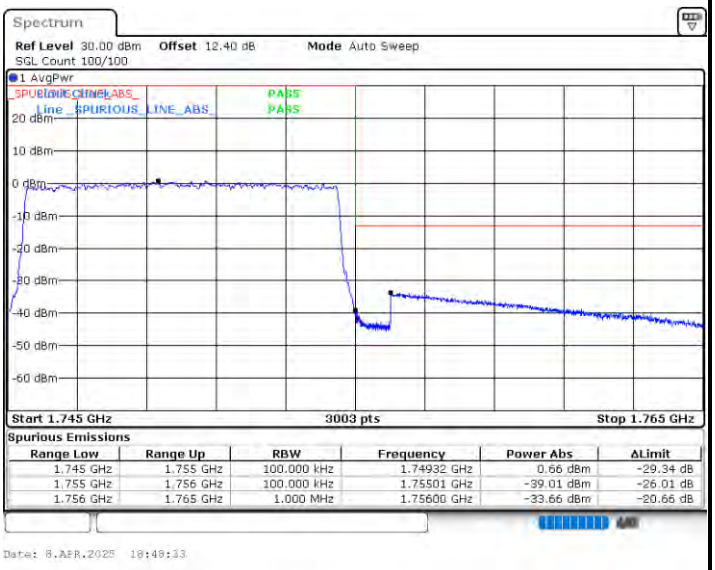
LTE Band 4 / 10MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



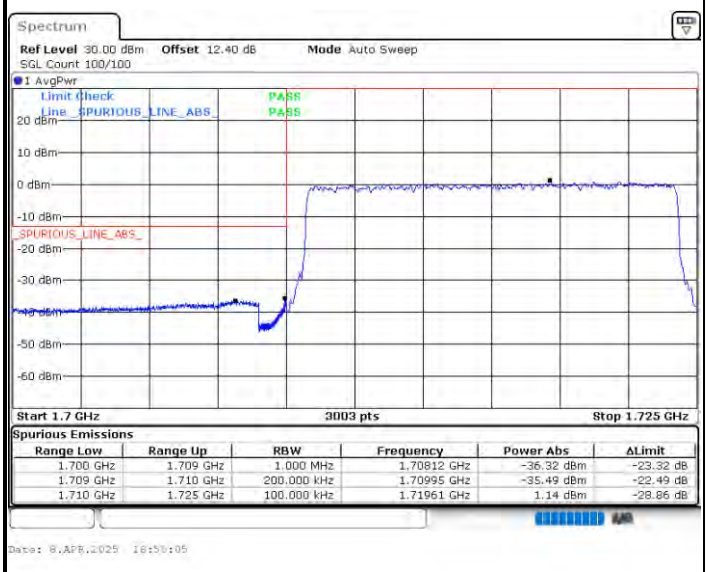


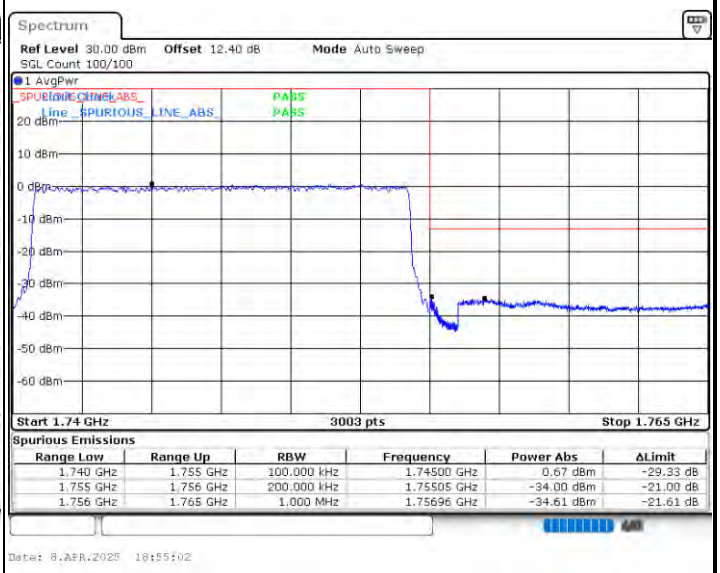
LTE Band 4 / 10MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



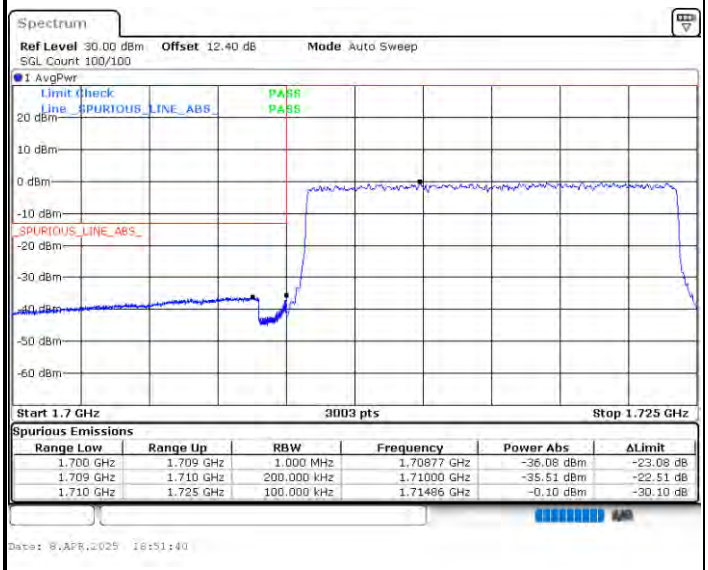


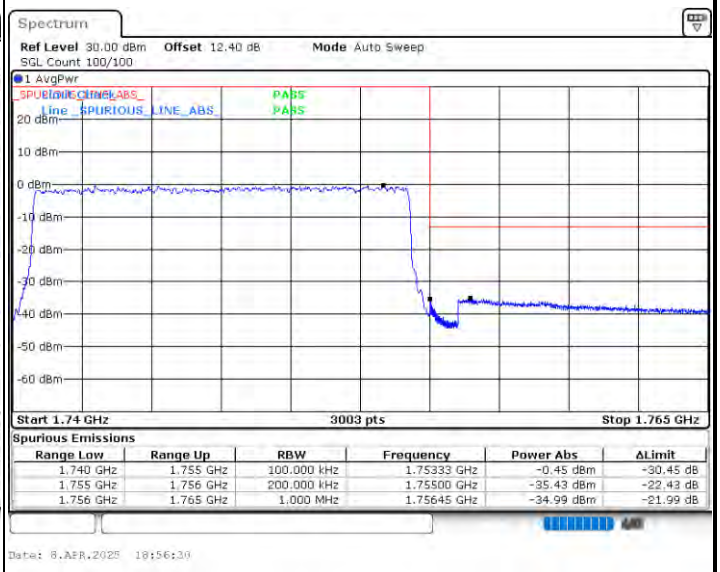
LTE Band 4 / 15MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



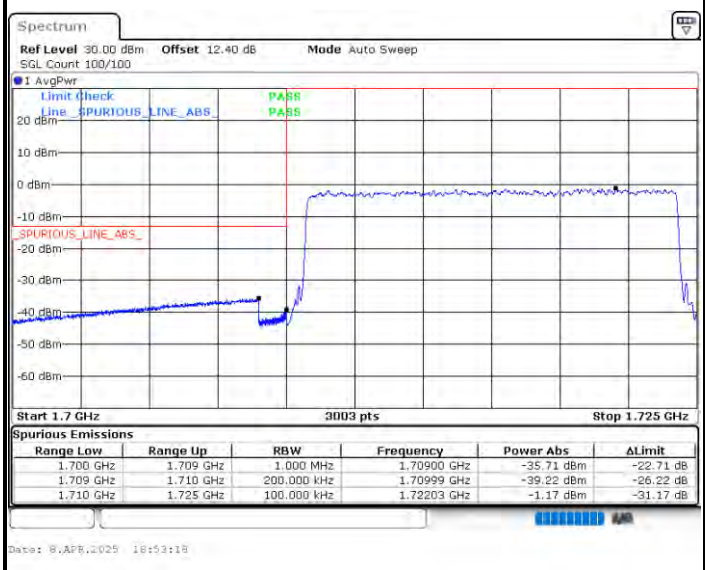


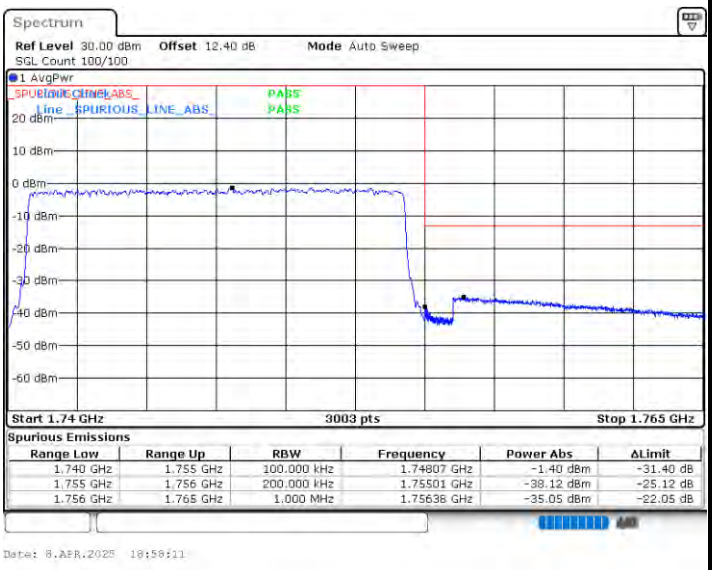
LTE Band 4 / 15MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



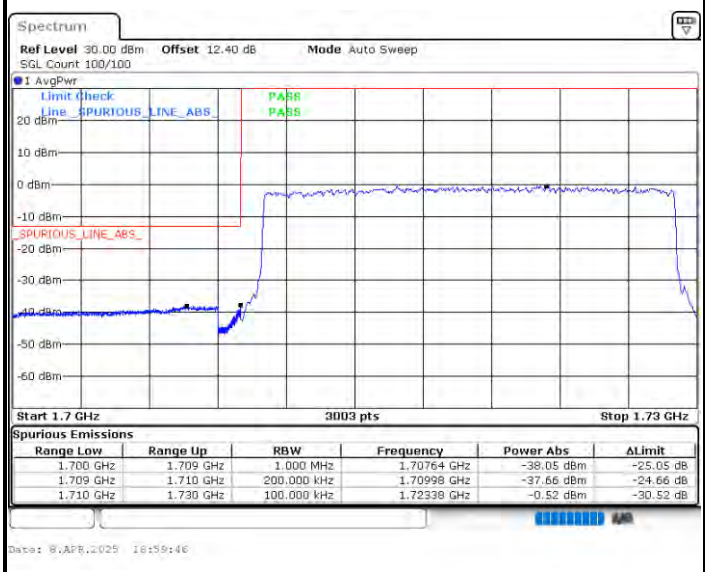


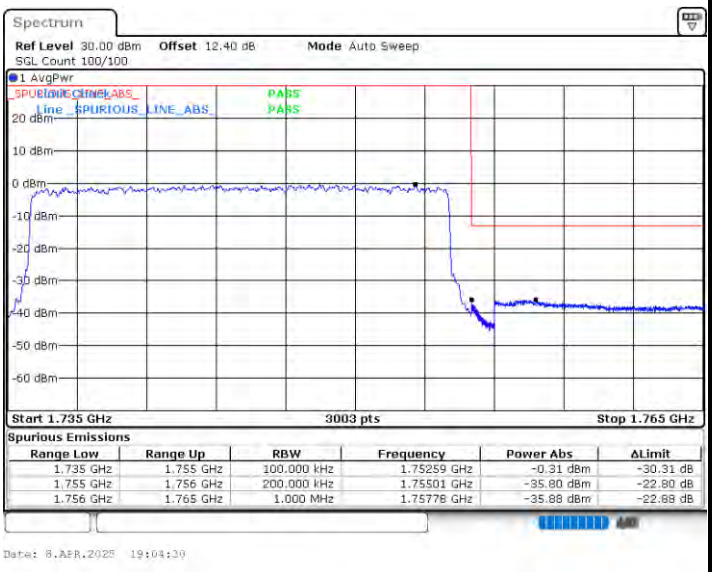
LTE Band 4 / 15MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



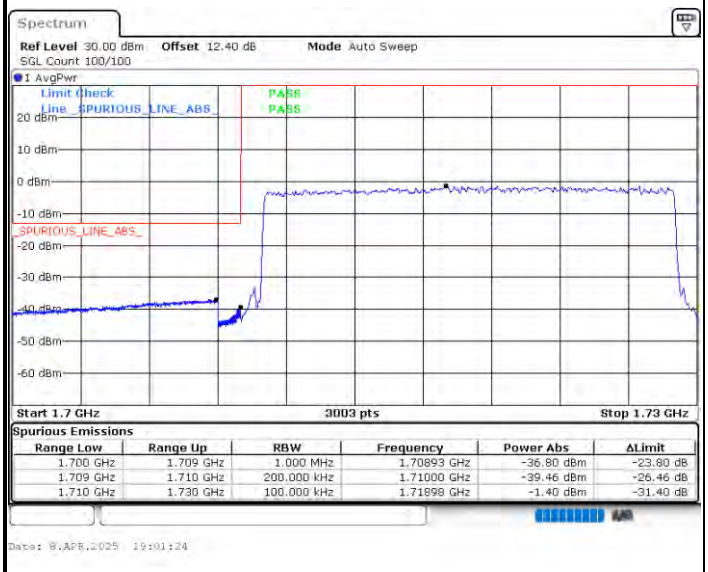


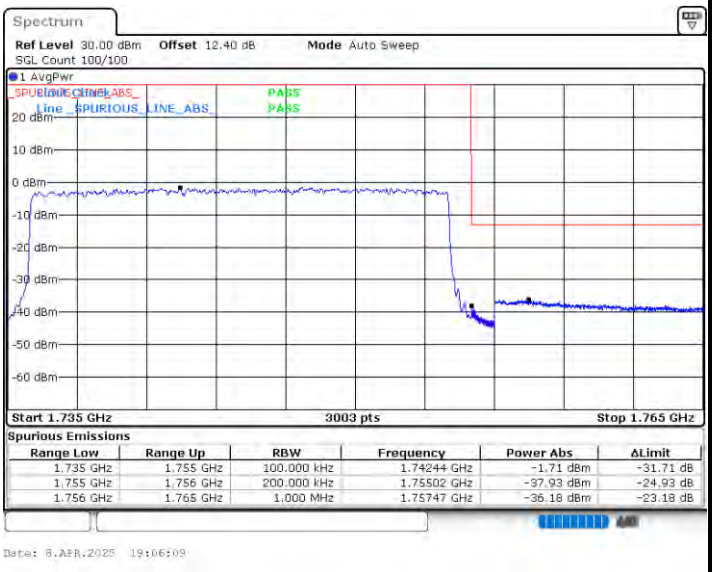
LTE Band 4 / 20MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



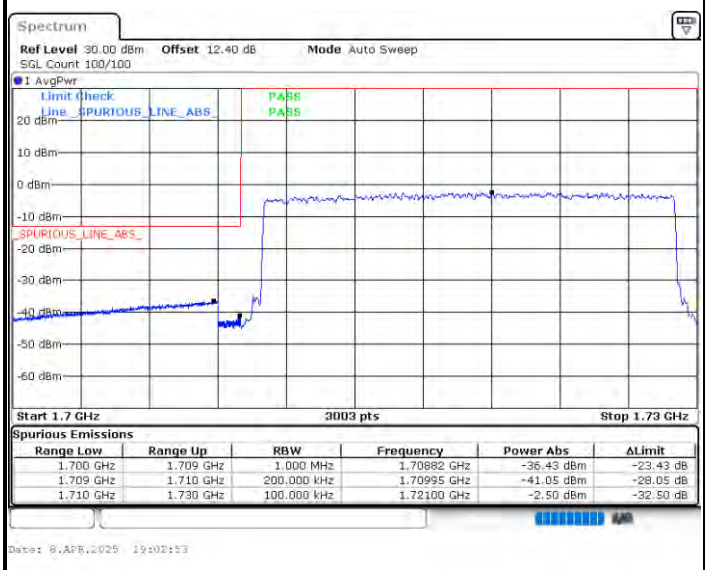


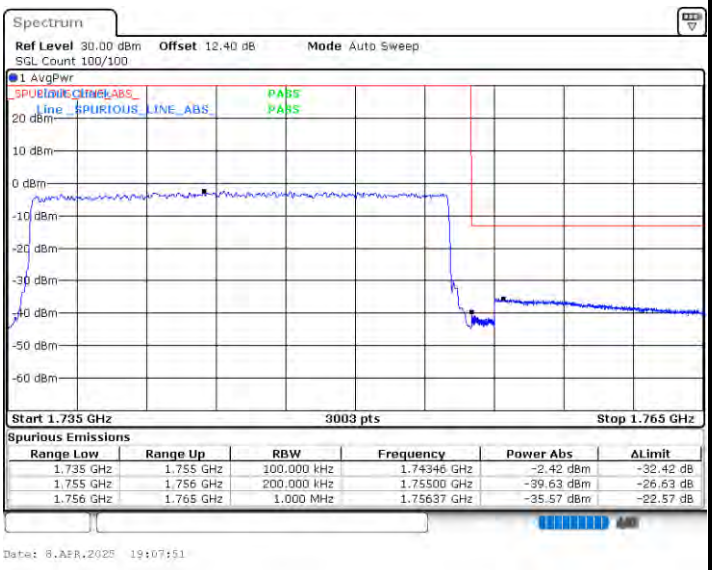
LTE Band 4 / 20MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**





LTE Band 4 / 20MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**

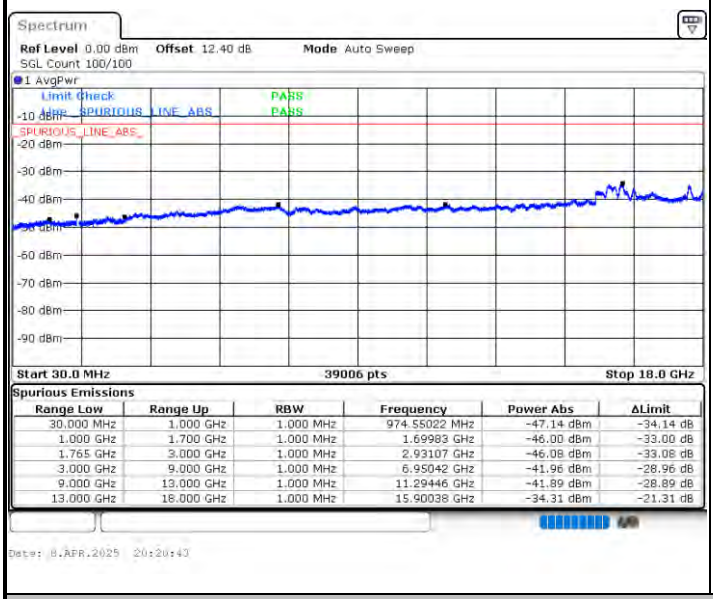




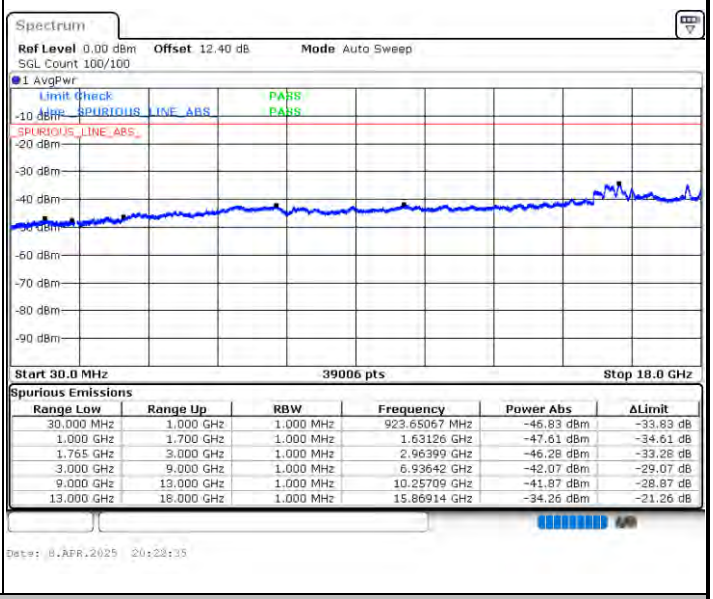
Conducted Spurious Emission

LTE Band 4 / 1.4MHz

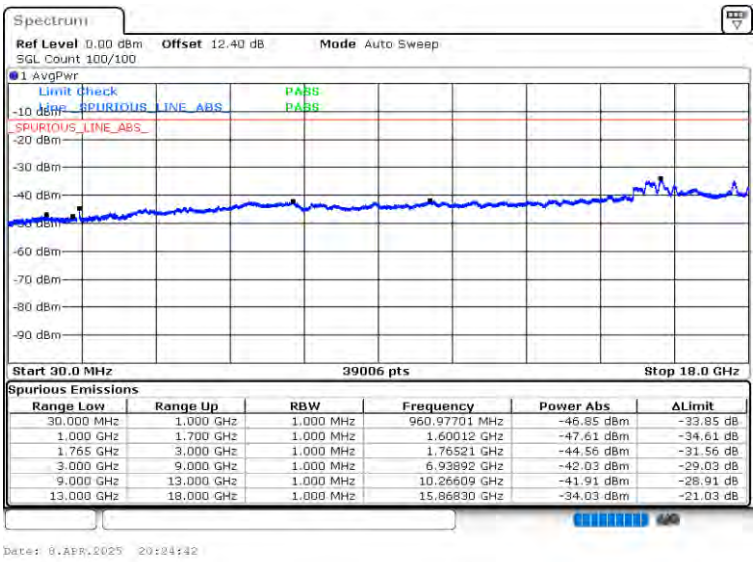
Lowest Channel / QPSK



Middle Channel / QPSK

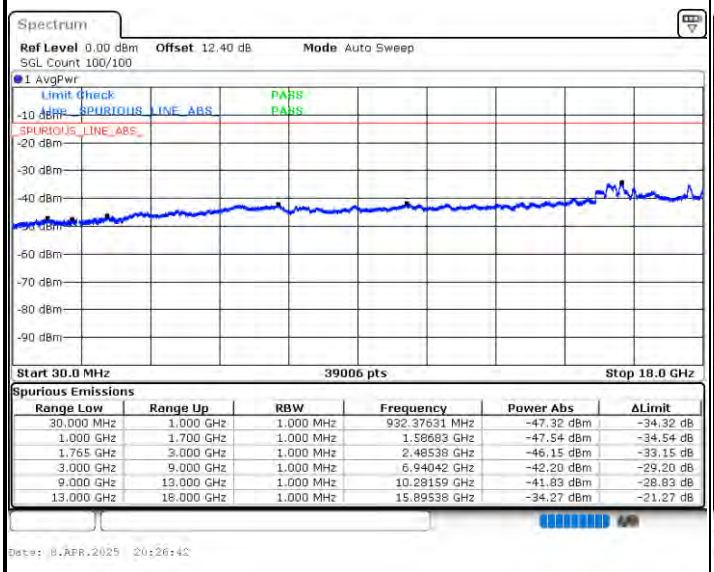


Highest Channel / QPSK



LTE Band 4 / 3MHz

Lowest Channel / QPSK

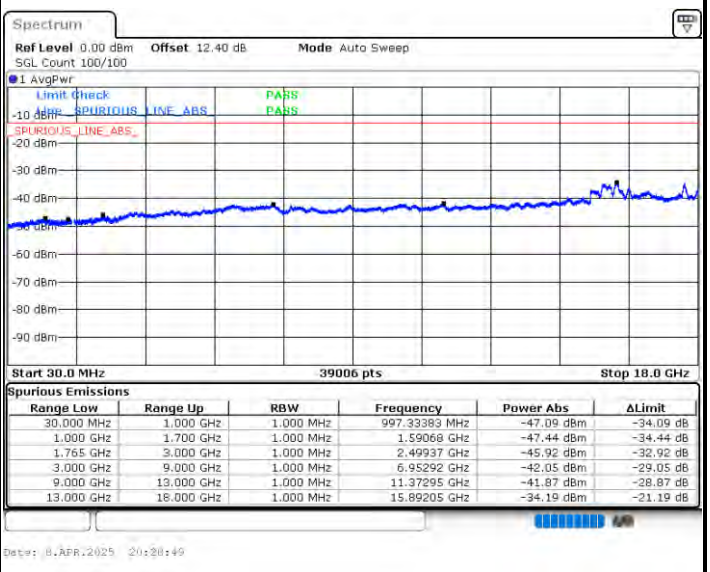


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-47.32 dBm	-34.32 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58683 GHz	-47.54 dBm	-34.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.48538 GHz	-46.15 dBm	-33.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94042 GHz	-42.20 dBm	-29.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.28159 GHz	-41.83 dBm	-28.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89538 GHz	-34.27 dBm	-21.27 dB

Date: 8.APR.2025 20:26:42

Middle Channel / QPSK

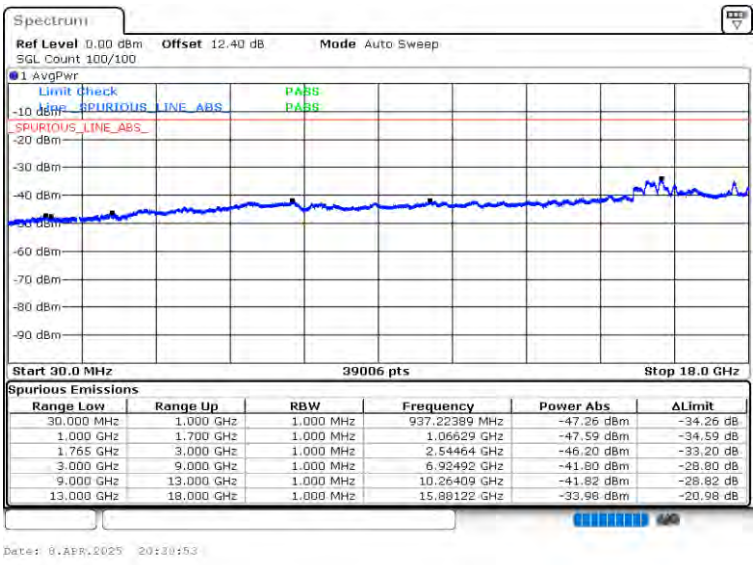


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59068 GHz	-47.44 dBm	-34.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.49937 GHz	-45.92 dBm	-32.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95292 GHz	-42.05 dBm	-29.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.37295 GHz	-41.87 dBm	-28.87 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89205 GHz	-34.19 dBm	-21.19 dB

Date: 8.APR.2025 20:28:49

Highest Channel / QPSK



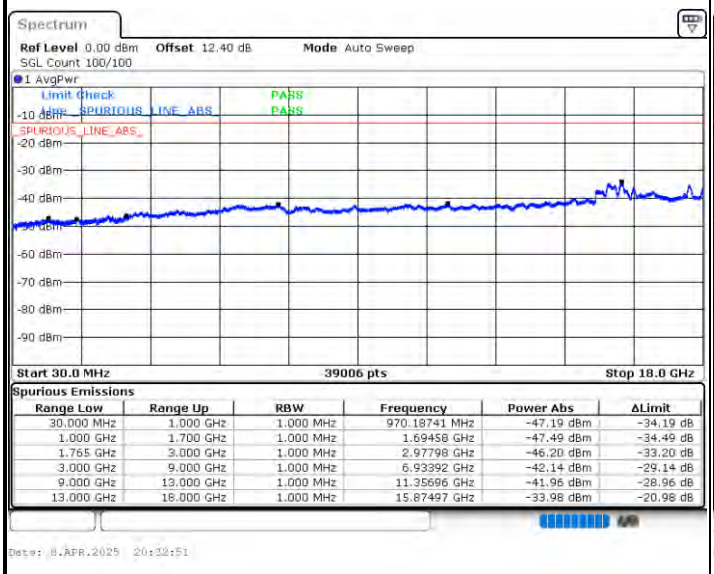
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-47.26 dBm	-34.26 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.06629 GHz	-47.59 dBm	-34.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.54464 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92492 GHz	-41.80 dBm	-28.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.26409 GHz	-41.82 dBm	-28.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.88122 GHz	-33.98 dBm	-20.98 dB

Date: 8.APR.2025 20:30:53

LTE Band 4 / 5MHz

Lowest Channel / QPSK

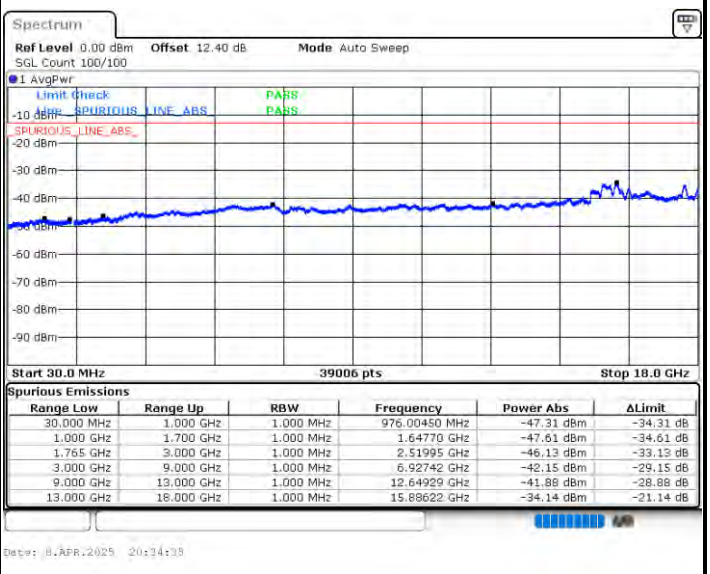


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.18741 MHz	-47.19 dBm	-34.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69458 GHz	-47.49 dBm	-34.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97798 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93392 GHz	-42.14 dBm	-29.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.35696 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.87497 GHz	-33.98 dBm	-20.98 dB

Date: 8.APR.2025 20:32:51

Middle Channel / QPSK

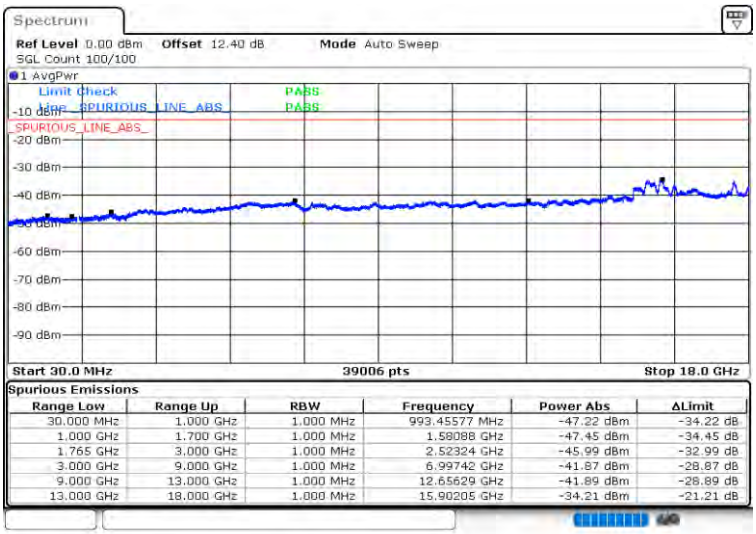


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-47.31 dBm	-34.31 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64770 GHz	-47.61 dBm	-34.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.51995 GHz	-46.13 dBm	-33.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92742 GHz	-42.15 dBm	-29.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64929 GHz	-41.88 dBm	-28.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.88622 GHz	-34.14 dBm	-21.14 dB

Date: 8.APR.2025 20:34:39

Highest Channel / QPSK



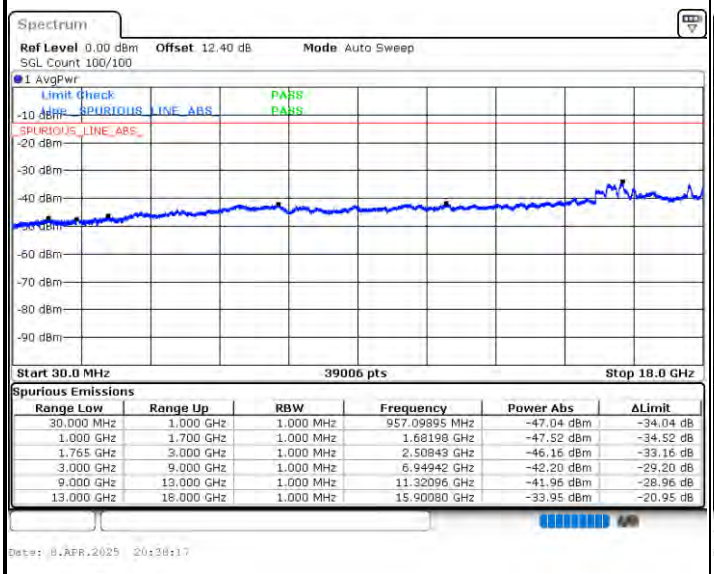
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.22 dBm	-34.22 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58088 GHz	-47.45 dBm	-34.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.52324 GHz	-45.99 dBm	-32.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-41.87 dBm	-28.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65629 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90205 GHz	-34.21 dBm	-21.21 dB

Date: 8.APR.2025 20:36:21

LTE Band 4 / 10MHz

Lowest Channel / QPSK

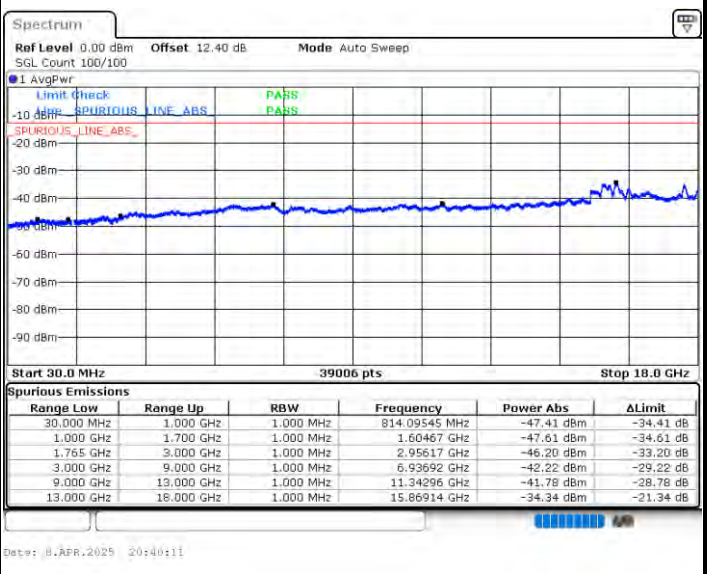


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68198 GHz	-47.52 dBm	-34.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.50843 GHz	-46.16 dBm	-33.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94942 GHz	-42.20 dBm	-29.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.32096 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90080 GHz	-33.95 dBm	-20.95 dB

Date: 8.APR.2025 20:38:17

Middle Channel / QPSK

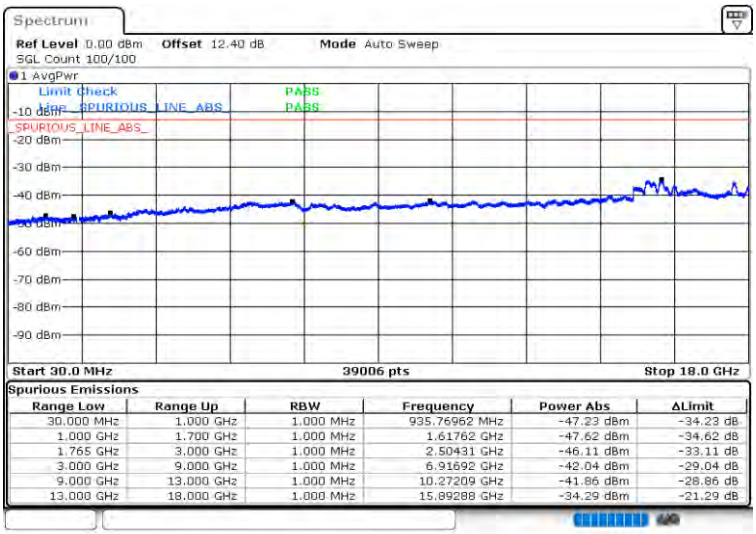


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	814.09545 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60467 GHz	-47.61 dBm	-34.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95617 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93692 GHz	-42.22 dBm	-29.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.34296 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86914 GHz	-34.34 dBm	-21.34 dB

Date: 8.APR.2025 20:40:11

Highest Channel / QPSK



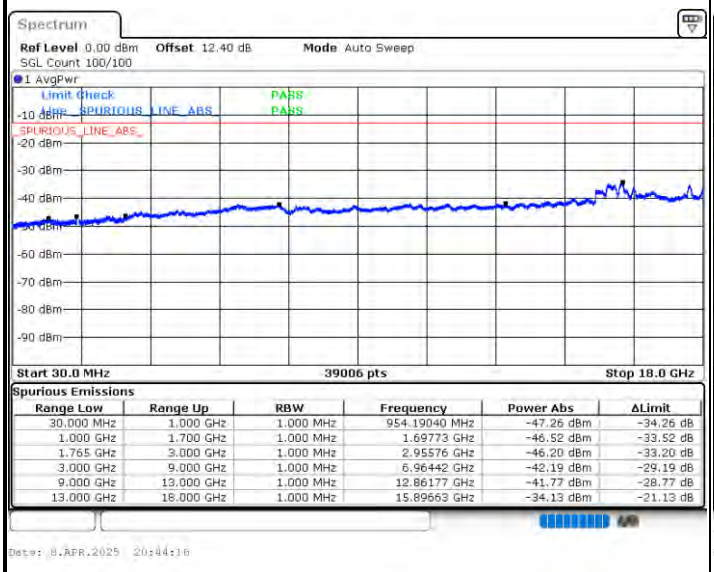
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-47.23 dBm	-34.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61762 GHz	-47.62 dBm	-34.62 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.50431 GHz	-46.11 dBm	-33.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91692 GHz	-42.04 dBm	-29.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.27209 GHz	-41.86 dBm	-28.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89288 GHz	-34.29 dBm	-21.29 dB

Date: 8.APR.2025 20:42:14

LTE Band 4 / 15MHz

Lowest Channel / QPSK

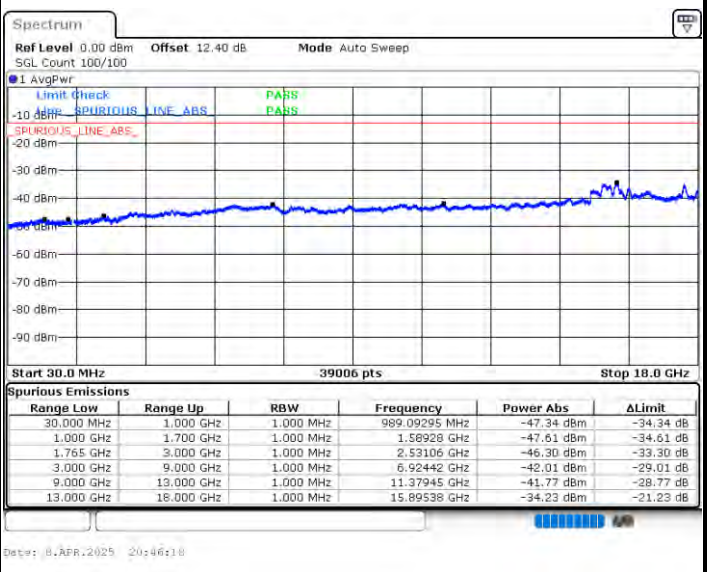


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-47.26 dBm	-34.26 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-46.52 dBm	-33.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95576 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96442 GHz	-42.19 dBm	-29.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86177 GHz	-41.77 dBm	-28.77 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89663 GHz	-34.13 dBm	-21.13 dB

Date: 8.APR.2025 20:44:16

Middle Channel / QPSK

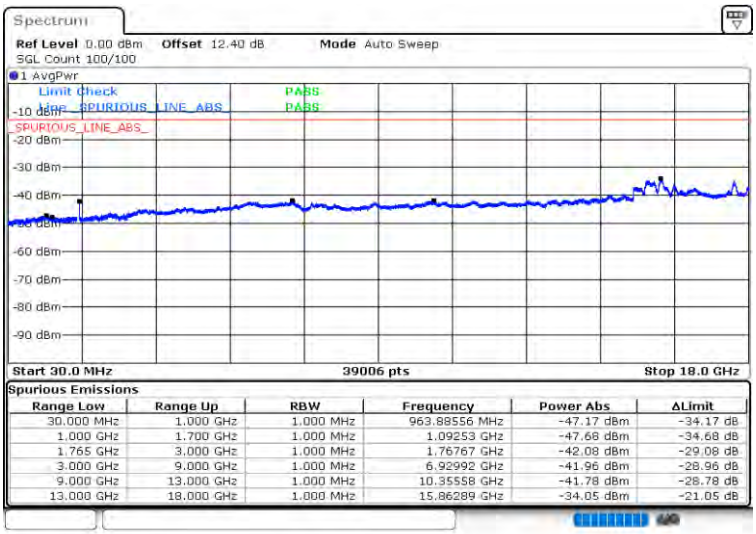


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-47.34 dBm	-34.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58928 GHz	-47.61 dBm	-34.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.53106 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92442 GHz	-42.01 dBm	-29.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.37945 GHz	-41.77 dBm	-28.77 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89538 GHz	-34.23 dBm	-21.23 dB

Date: 8.APR.2025 20:46:18

Highest Channel / QPSK



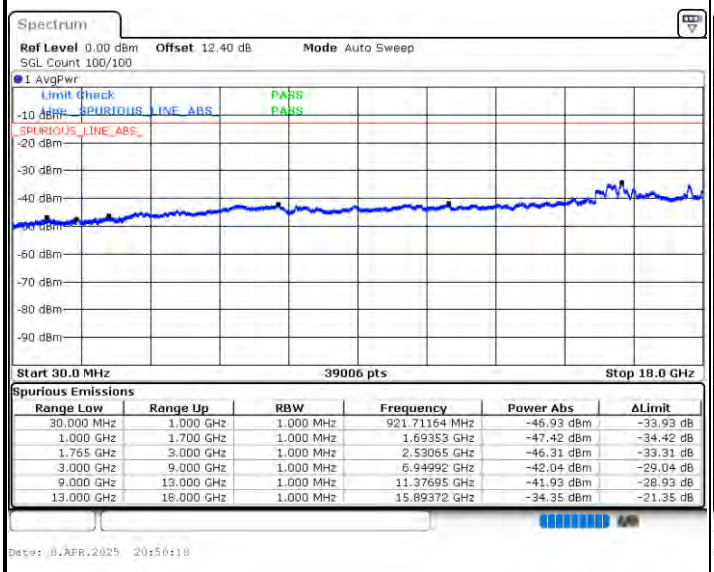
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.88556 MHz	-47.17 dBm	-34.17 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.09253 GHz	-47.68 dBm	-34.68 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-42.08 dBm	-29.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92992 GHz	-41.96 dBm	-28.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.35558 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86289 GHz	-34.05 dBm	-21.05 dB

Date: 8.APR.2025 20:48:13

LTE Band 4 / 20MHz

Lowest Channel / QPSK

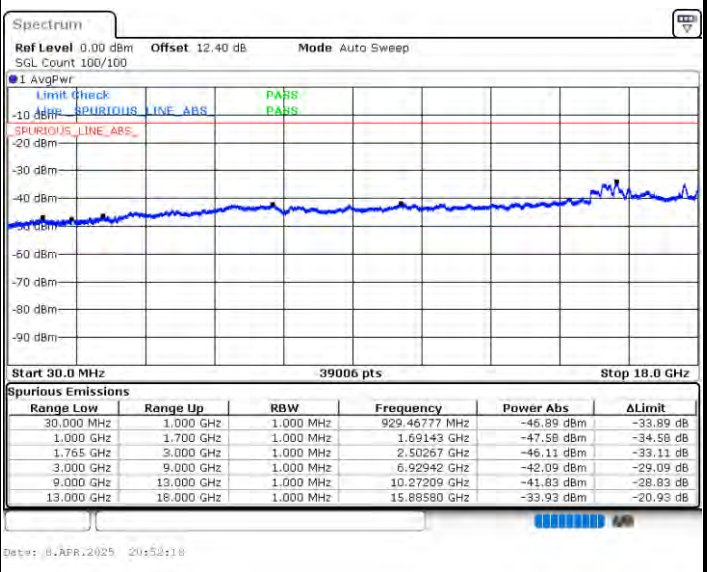


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-46.93 dBm	-33.93 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-47.42 dBm	-34.42 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.53065 GHz	-46.31 dBm	-33.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94992 GHz	-42.04 dBm	-29.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.37695 GHz	-41.93 dBm	-28.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89372 GHz	-34.35 dBm	-21.35 dB

Date: 8.APR.2025 20:50:18

Middle Channel / QPSK

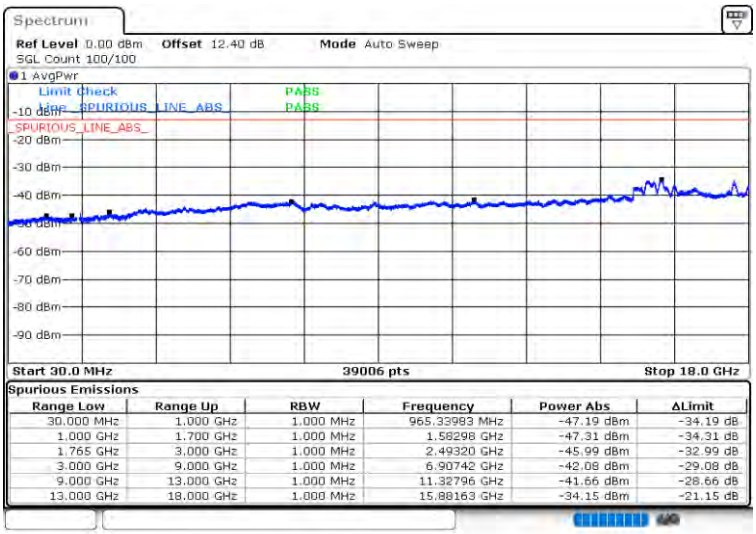


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-46.89 dBm	-33.89 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-47.58 dBm	-34.58 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.50267 GHz	-46.11 dBm	-33.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92942 GHz	-42.09 dBm	-29.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.27209 GHz	-41.83 dBm	-28.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.88580 GHz	-33.93 dBm	-20.93 dB

Date: 8.APR.2025 20:52:18

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-47.19 dBm	-34.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58298 GHz	-47.31 dBm	-34.31 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.49320 GHz	-45.99 dBm	-32.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90742 GHz	-42.08 dBm	-29.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.32796 GHz	-41.66 dBm	-28.66 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.88163 GHz	-34.15 dBm	-21.15 dB

Date: 8.APR.2025 20:54:18

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0090	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0077	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0083	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0086	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0039	

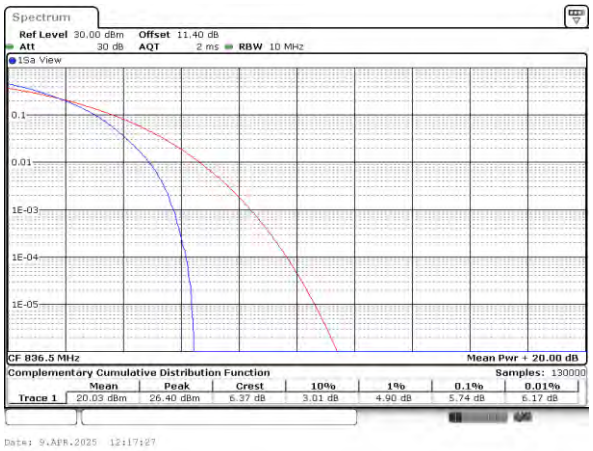
Note:

1. Normal Voltage = 3.85 V.；Minimum Voltage = 3.55 V.；Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.77	5.74	-	PASS

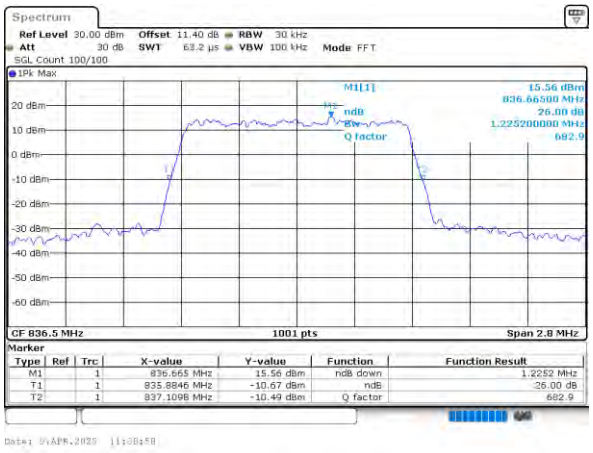
LTE Band 5 / 10MHz / QPSK	LTE Band 5 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 5 / 10MHz / 64QAM	**LTE Band 5 / 10MHz / 256QAM**
Middle Channel / Full RB	**Middle Channel / Full RB**
	-

26dB Bandwidth

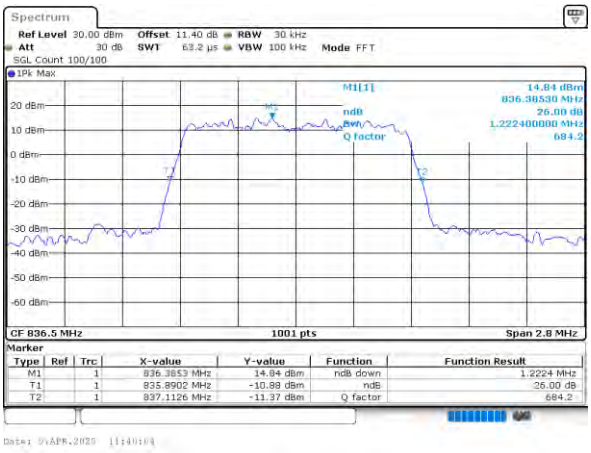
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.22	1.22	2.97	3.00	4.85	4.90	9.81	9.68	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.23	-	2.99	-	4.85	-	9.81	-	-	-	-	-

LTE Band 5

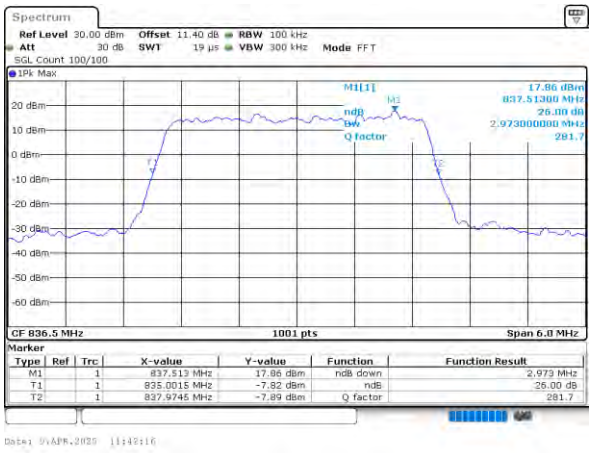
Middle Channel / 1.4MHz / QPSK



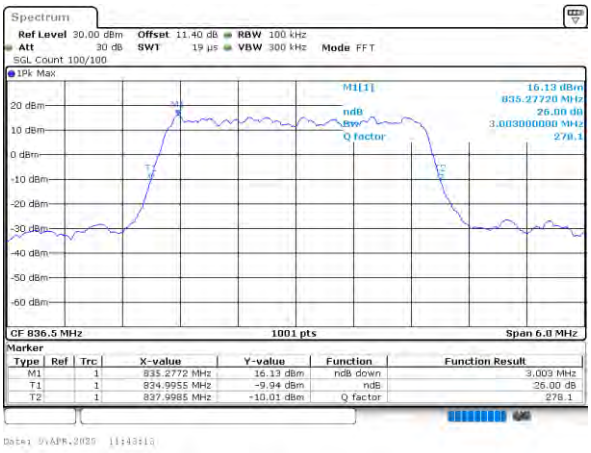
Middle Channel / 1.4MHz / 16QAM



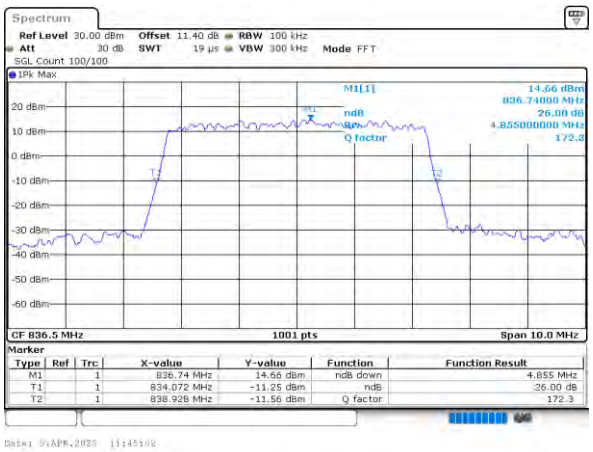
Middle Channel / 3MHz / QPSK



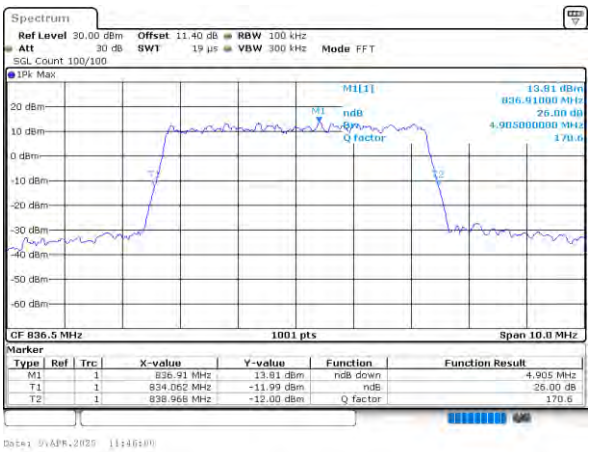
Middle Channel / 3MHz / 16QAM

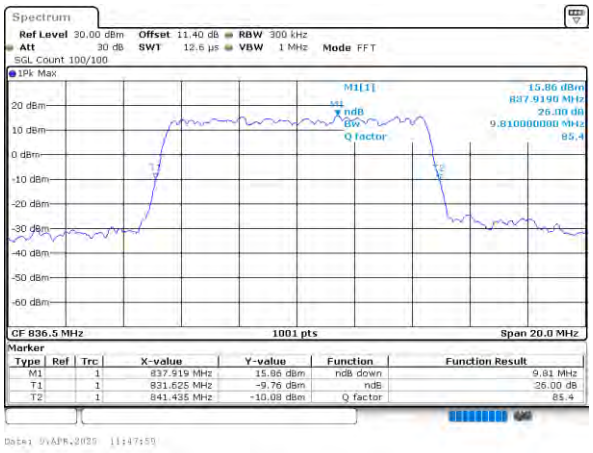
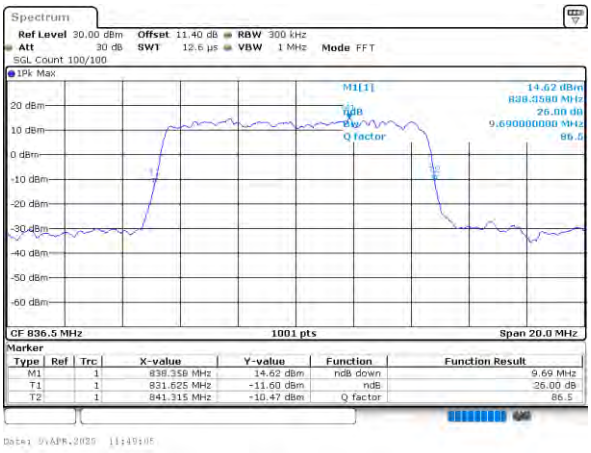
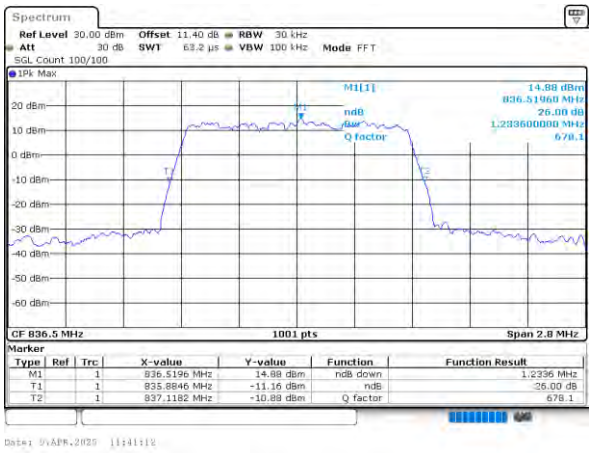
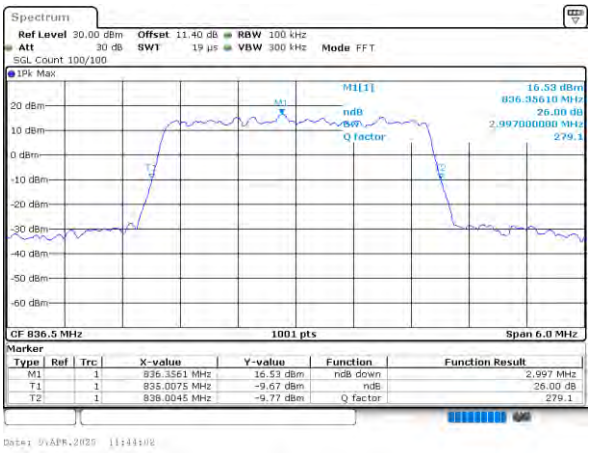
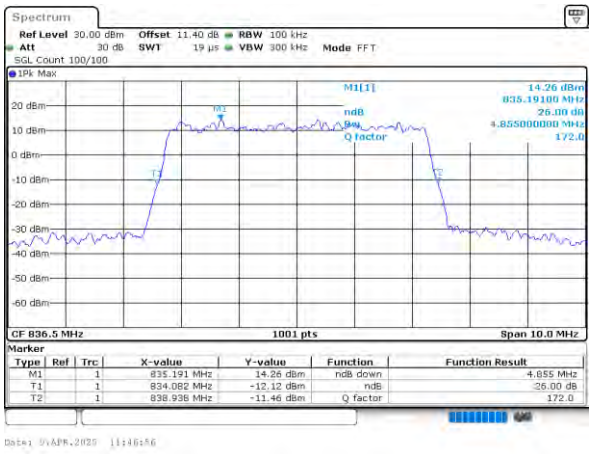
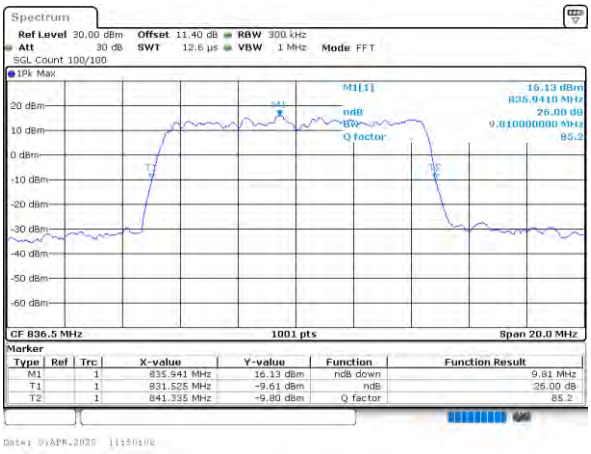


Middle Channel / 5MHz / QPSK



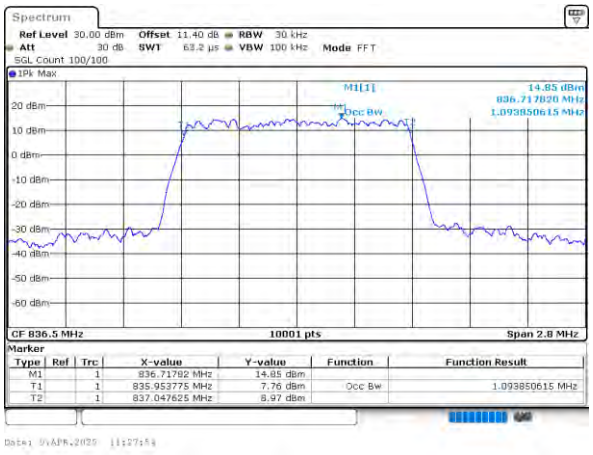
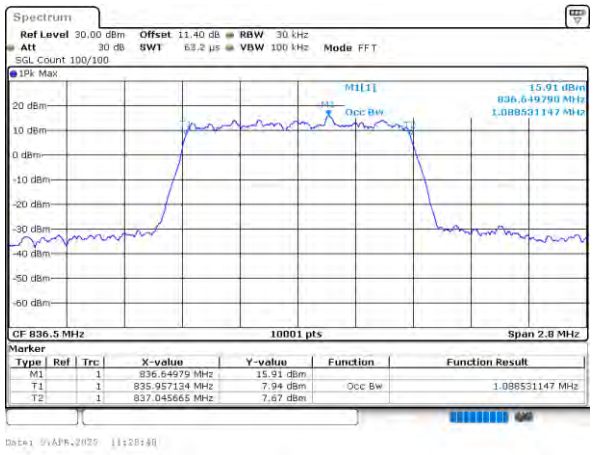
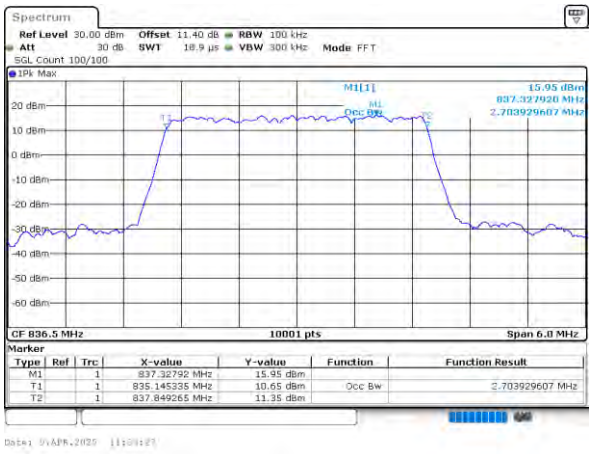
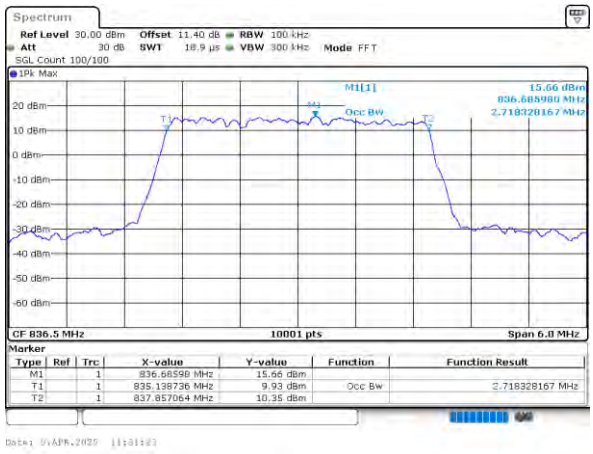
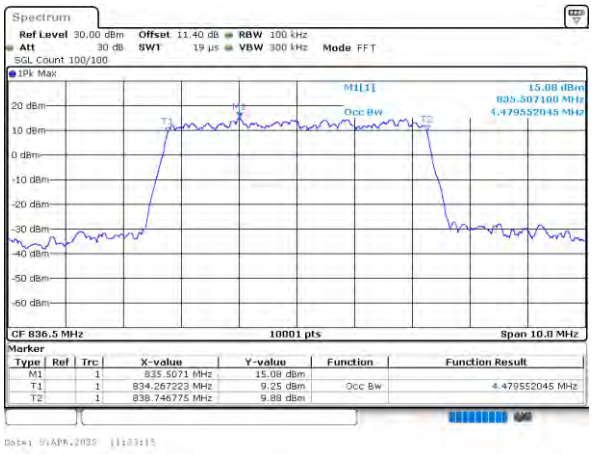
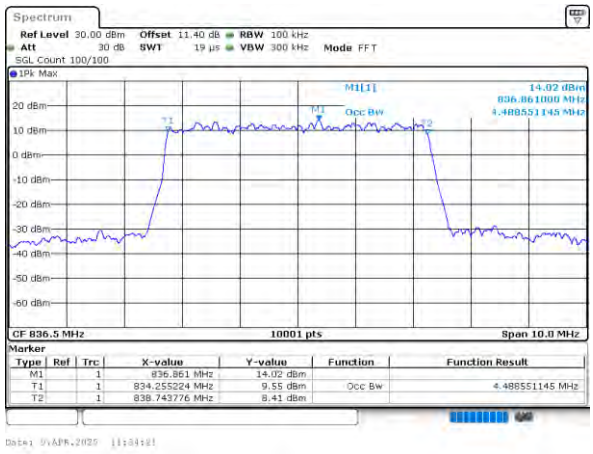
Middle Channel / 5MHz / 16QAM

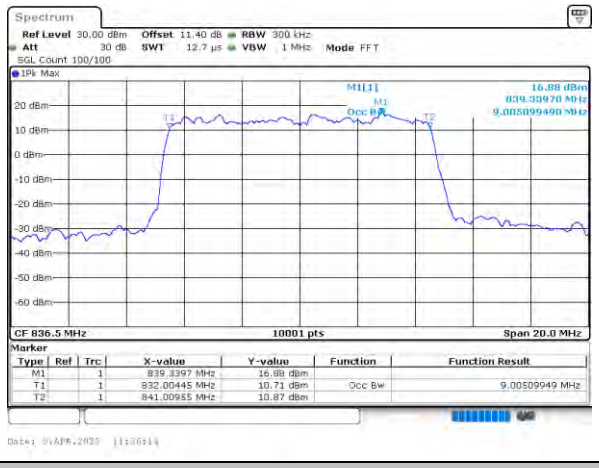
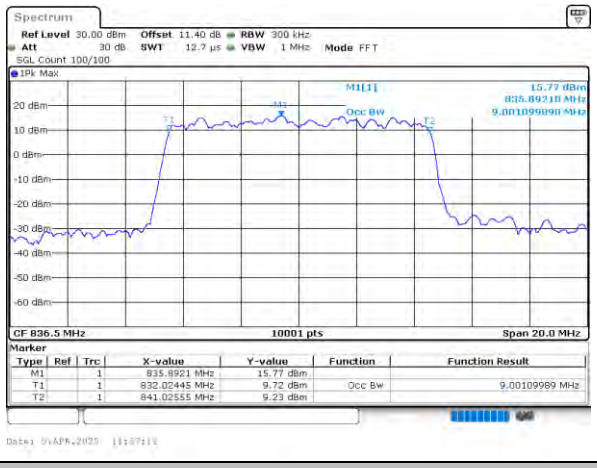
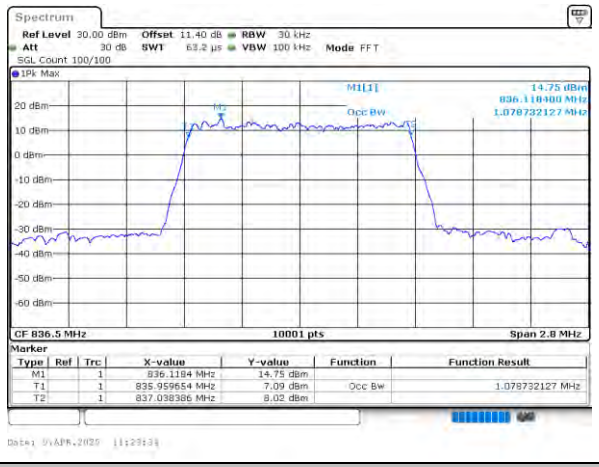
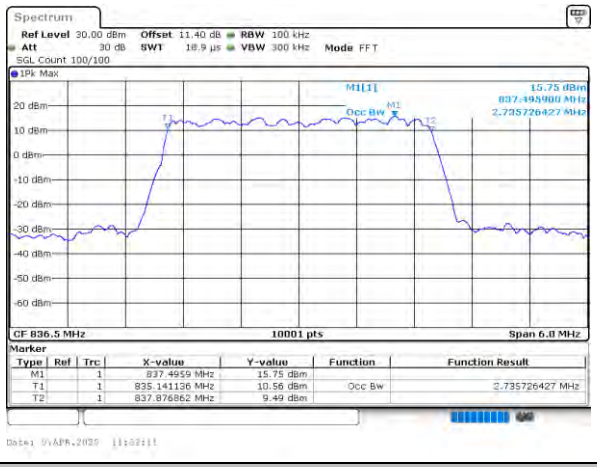
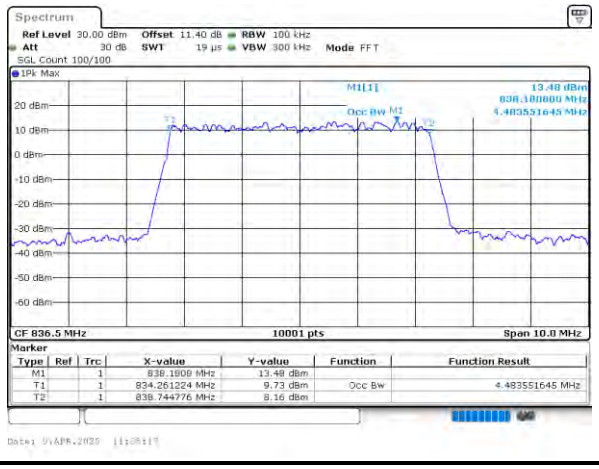
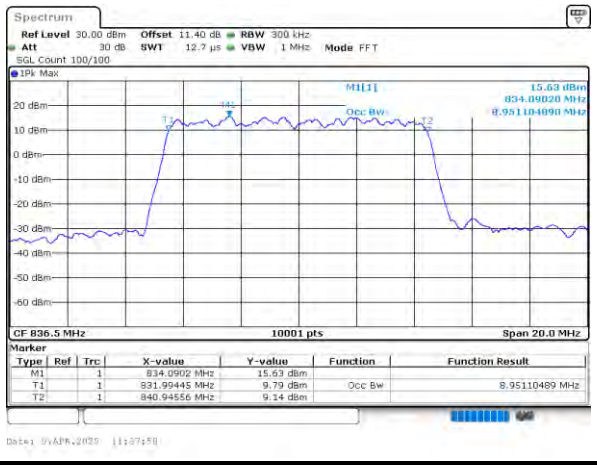


LTE Band 5	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
LTE Band 5	
Middle Channel / 1.4MHz / 64QAM	**Middle Channel / 3MHz / 64QAM**
	
Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
	

Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.08	2.70	2.71	4.47	4.48	9.00	9.00	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.07	-	2.73	-	4.48	-	8.95	-	-	-	-	-

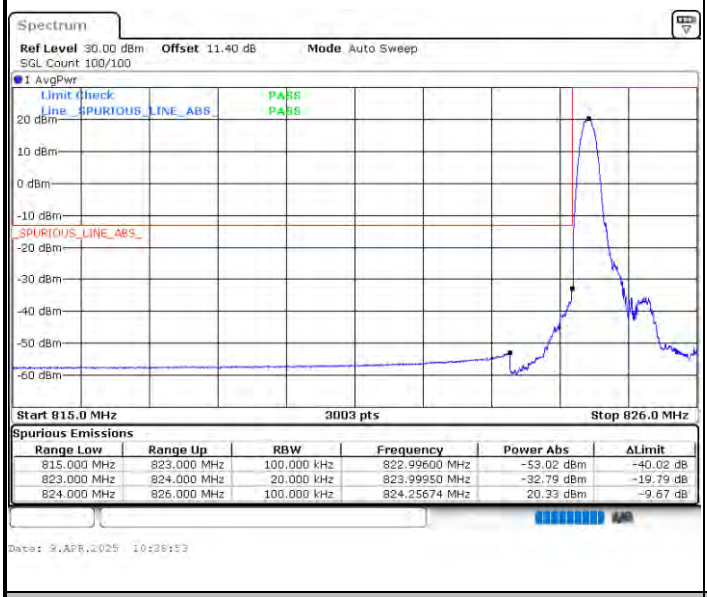
LTE Band 5	
Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
	
Middle Channel / 3MHz / QPSK	**Middle Channel / 3MHz / 16QAM**
	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	

LTE Band 5	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
LTE Band 5	
Middle Channel / 1.4MHz / 64QAM	**Middle Channel / 3MHz / 64QAM**
	
Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
	

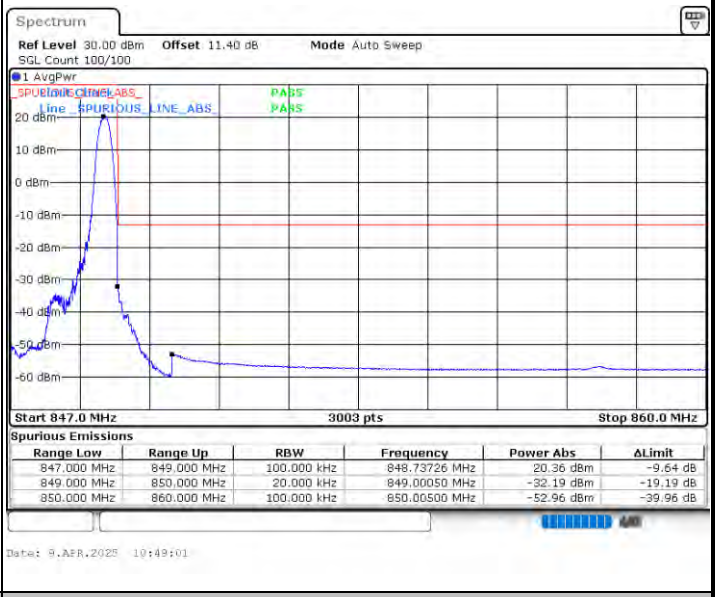
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

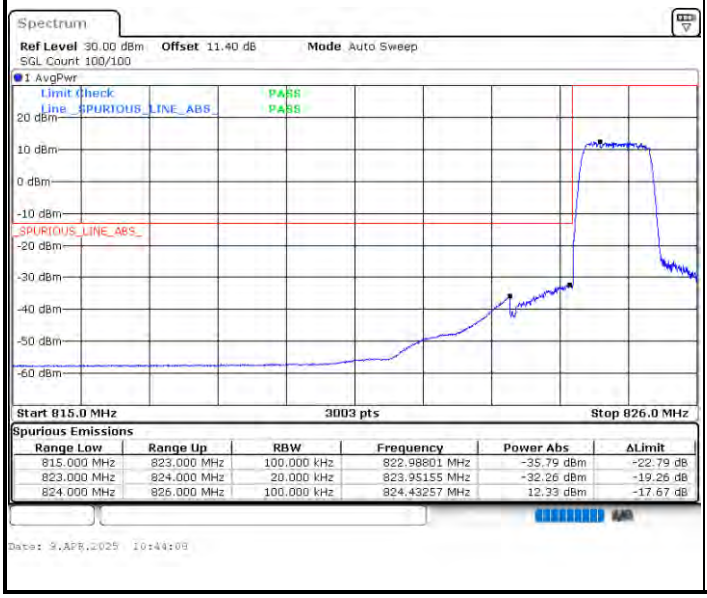
Lowest Band Edge / 1RB



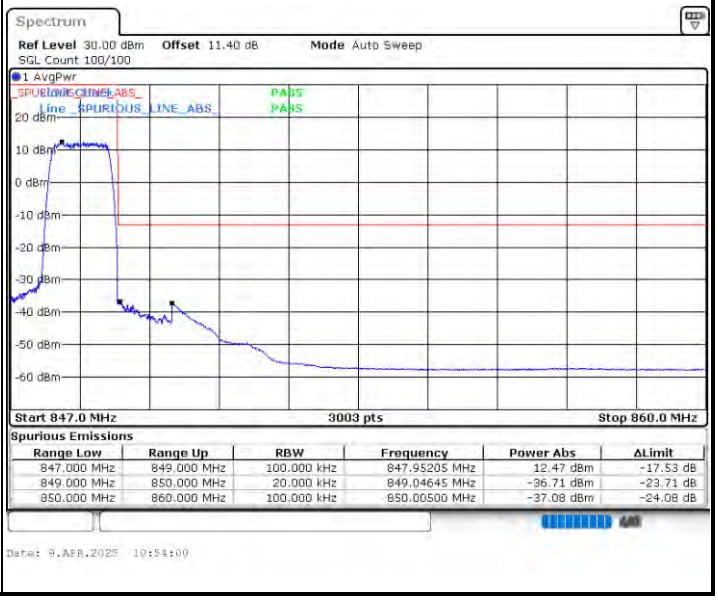
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

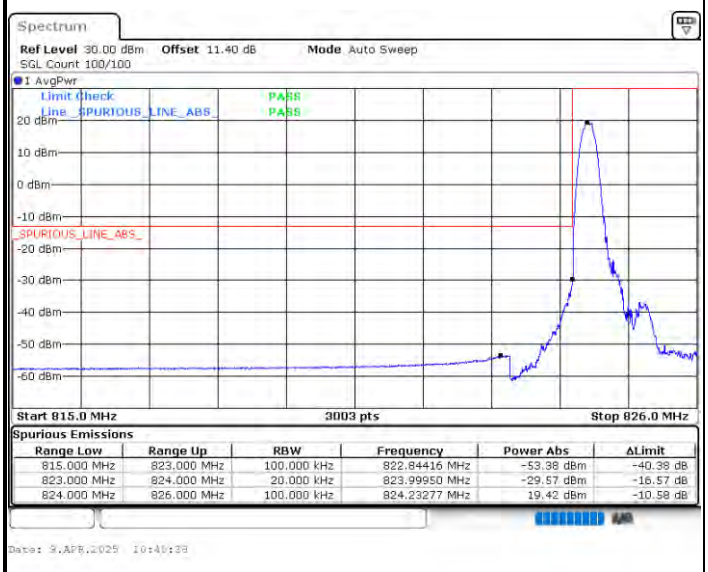


Highest Band Edge / Full RB

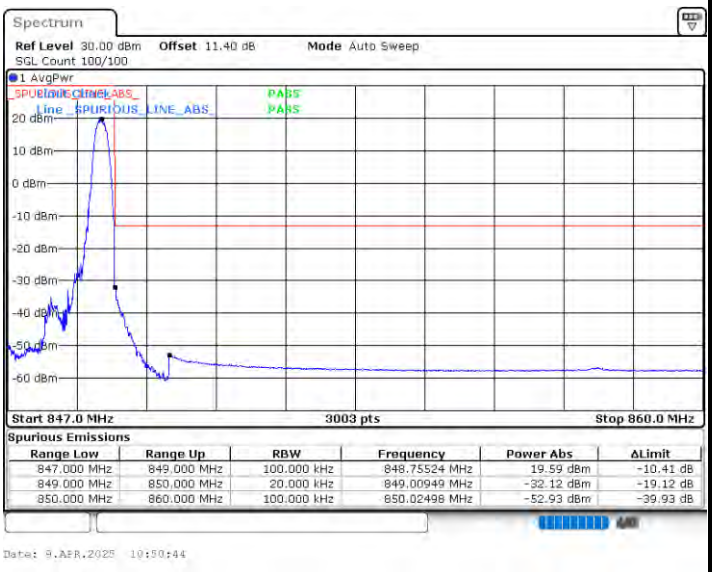


LTE Band 5 / 1.4MHz / 16QAM

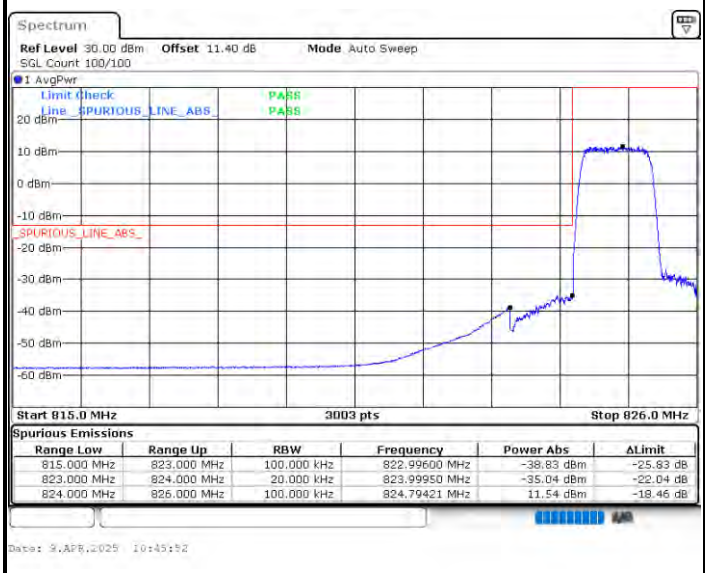
Lowest Band Edge / 1 RB



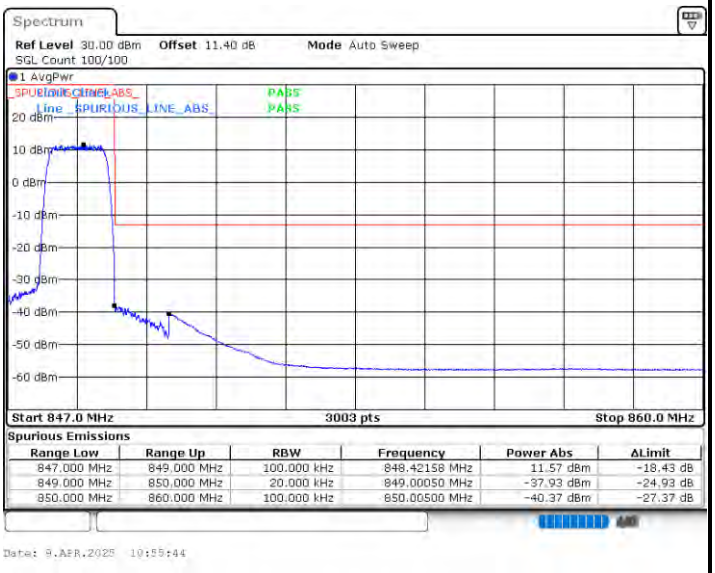
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

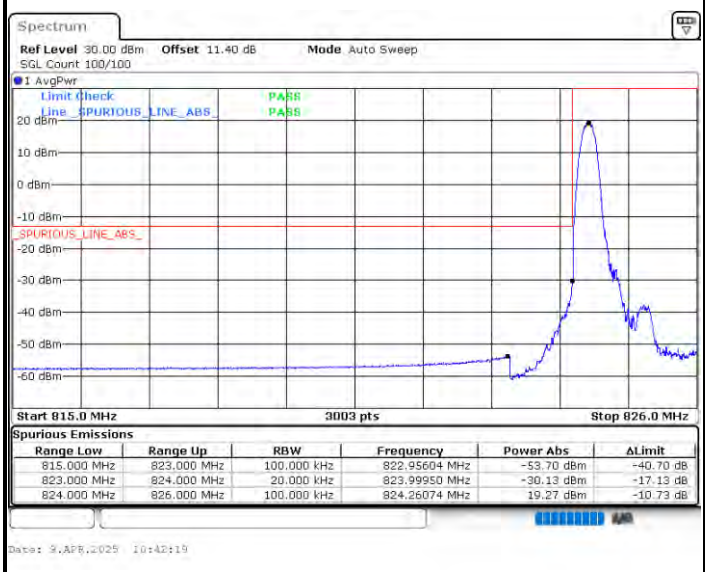


Highest Band Edge / Full RB

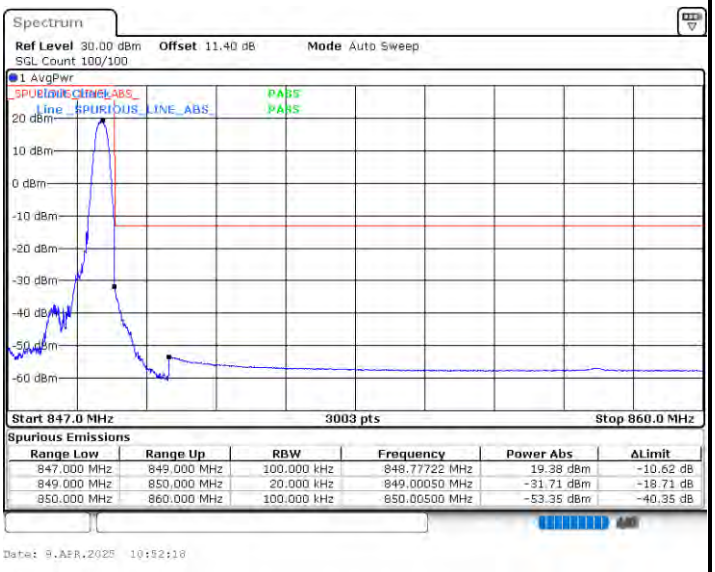


LTE Band 5 / 1.4MHz / 64QAM

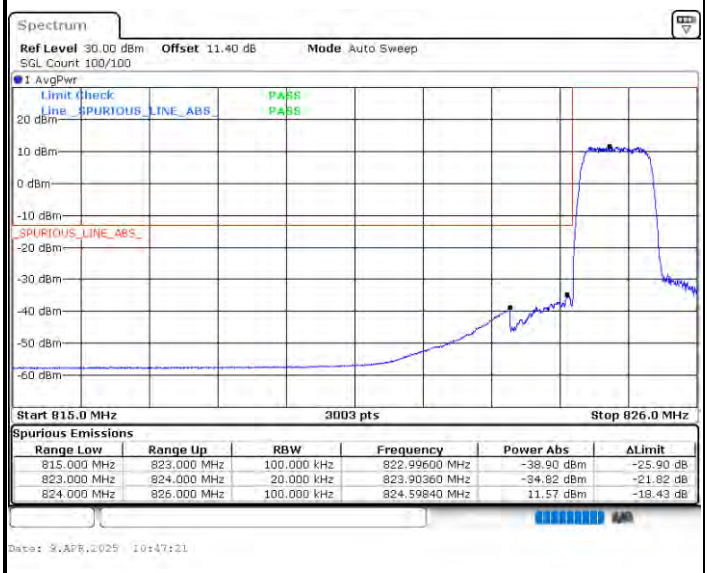
Lowest Band Edge / 1 RB



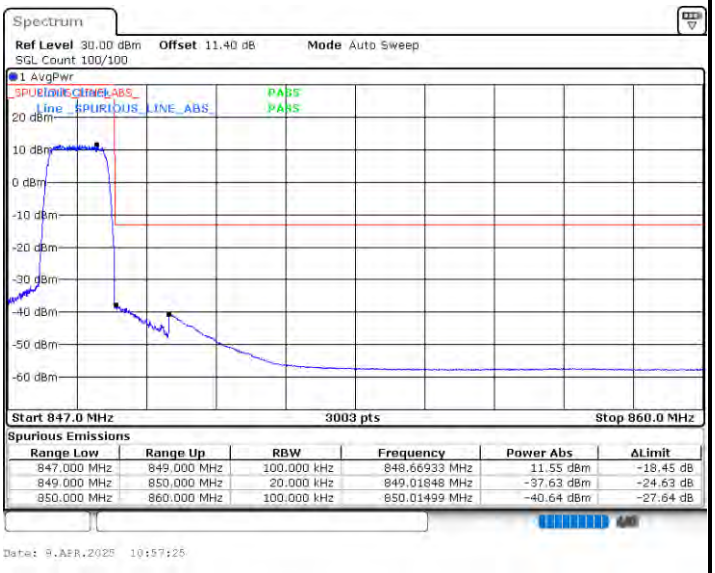
Highest Band Edge / 1 RB



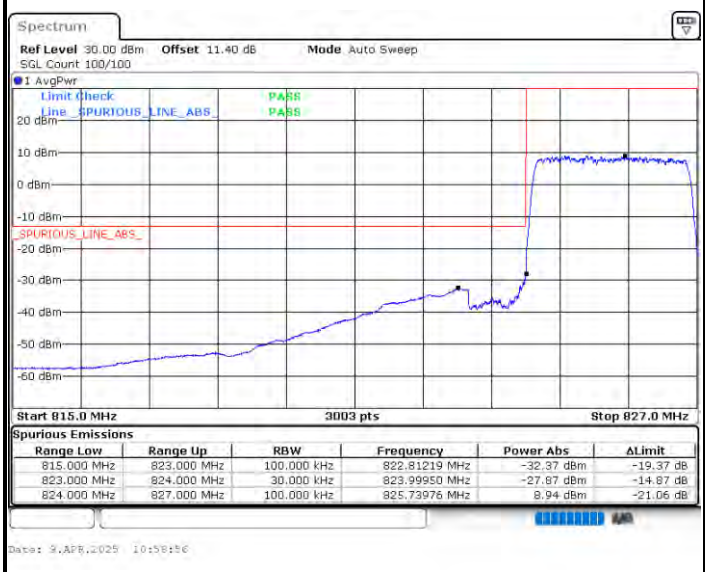
Lowest Band Edge / Full RB

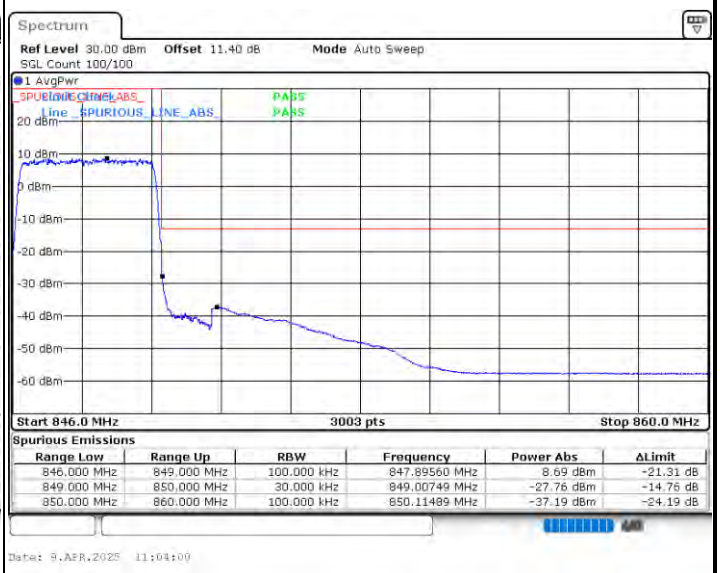


Highest Band Edge / Full RB

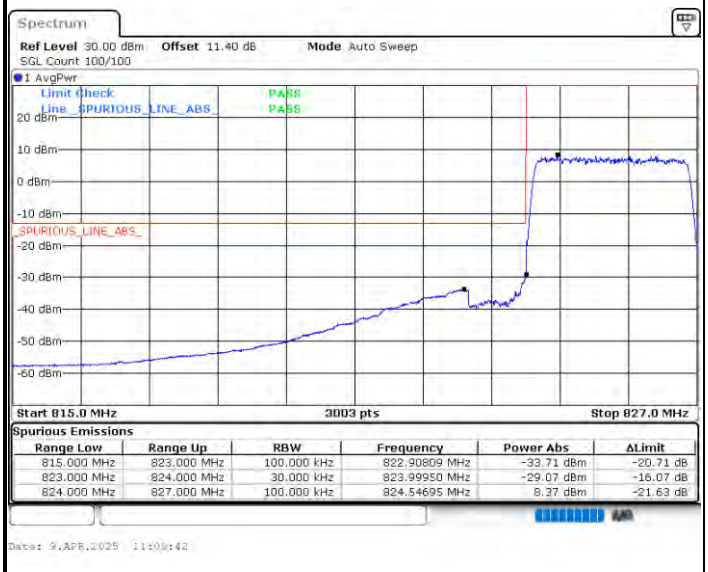


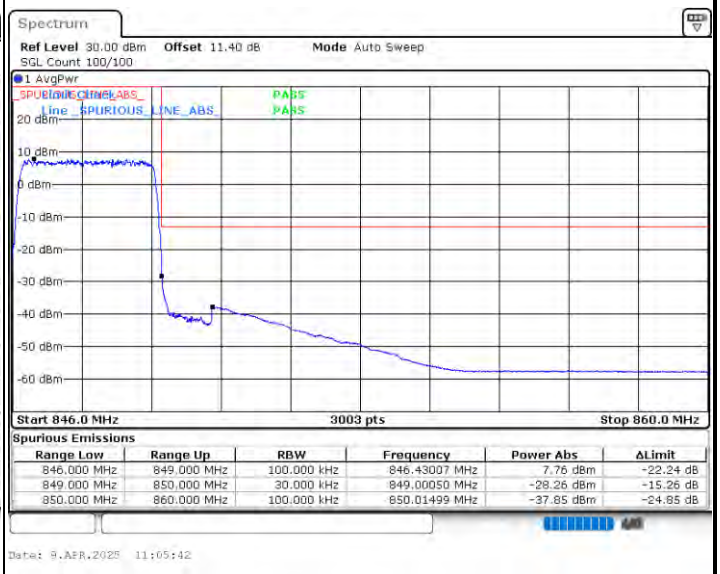
LTE Band 5 / 3MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



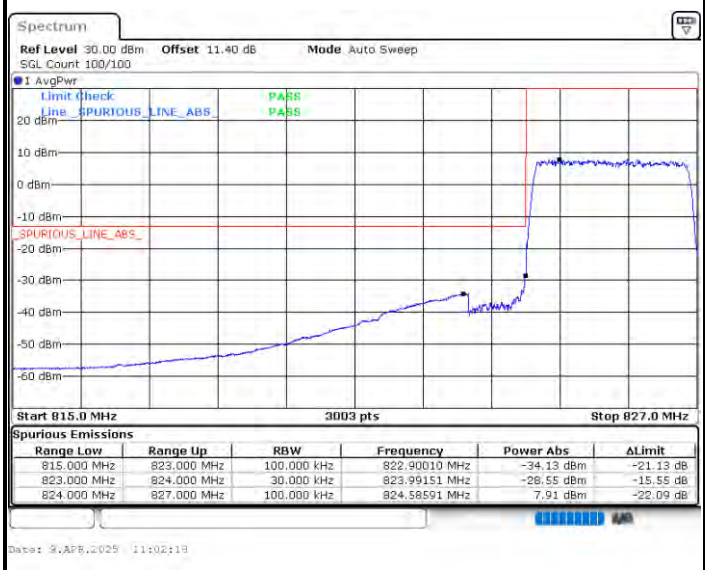


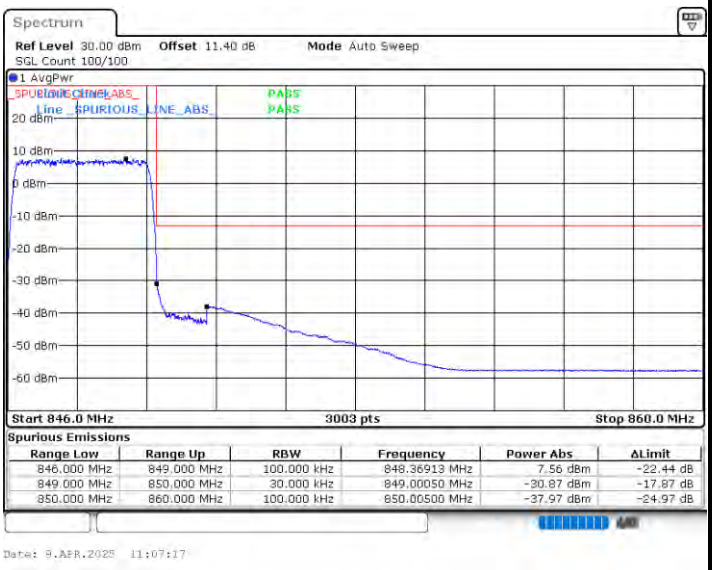
LTE Band 5 / 3MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



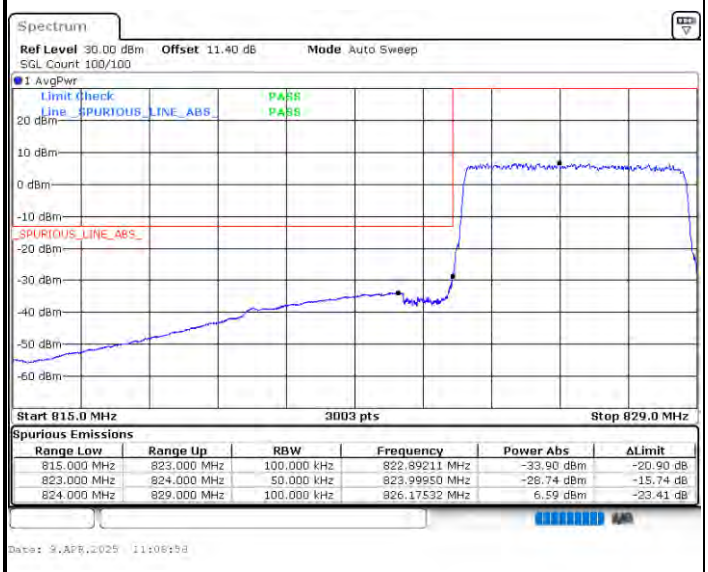


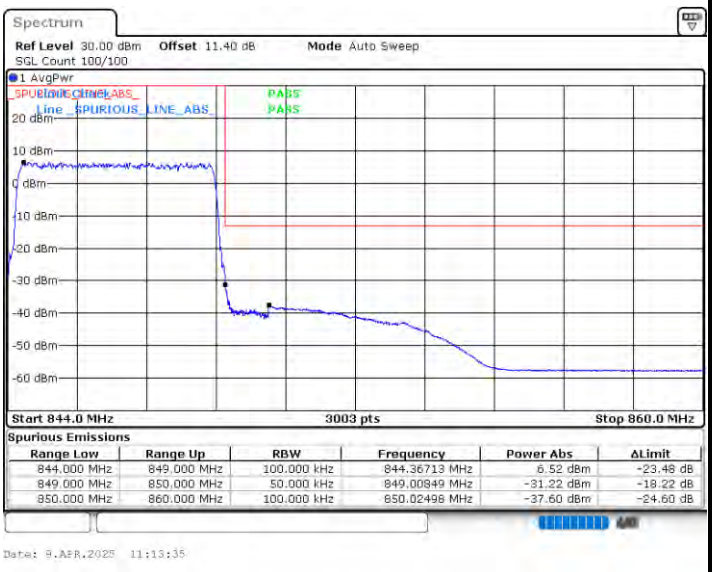
LTE Band 5 / 3MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



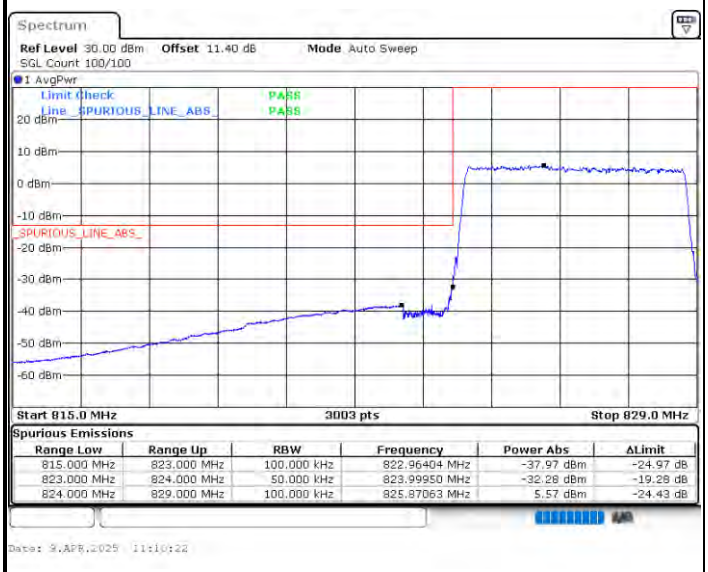


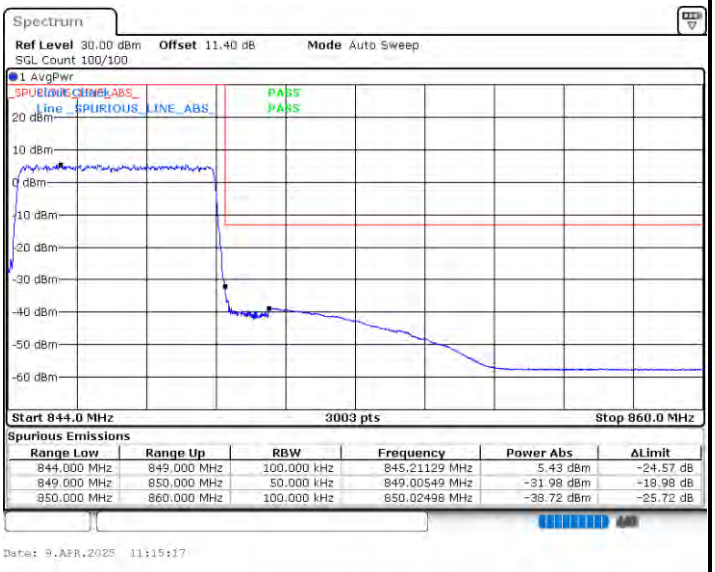
LTE Band 5 / 5MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



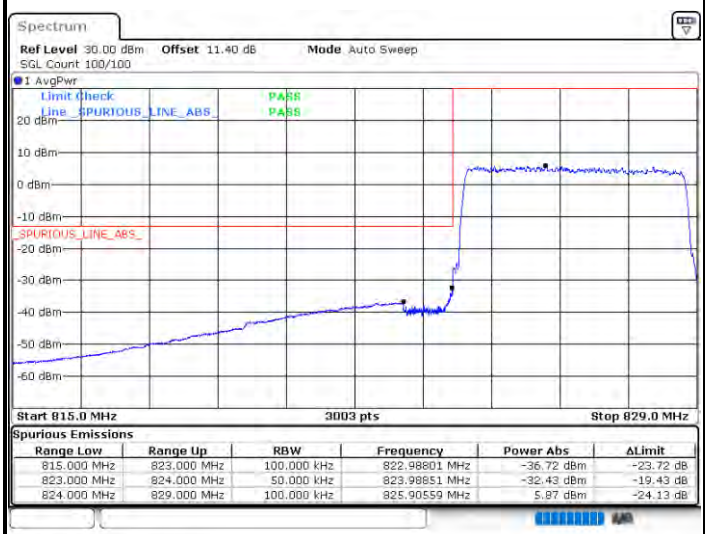


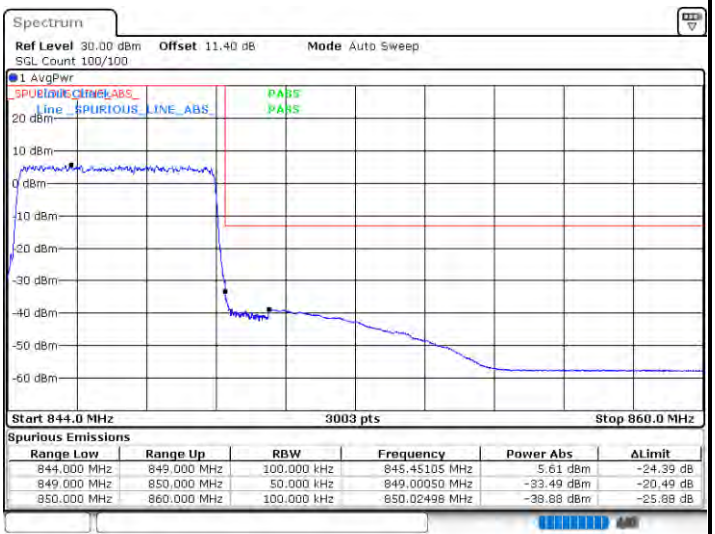
LTE Band 5 / 5MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



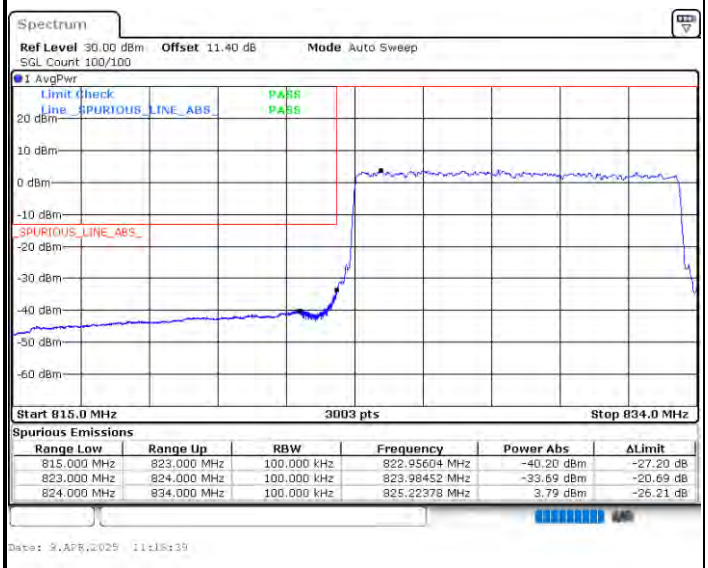


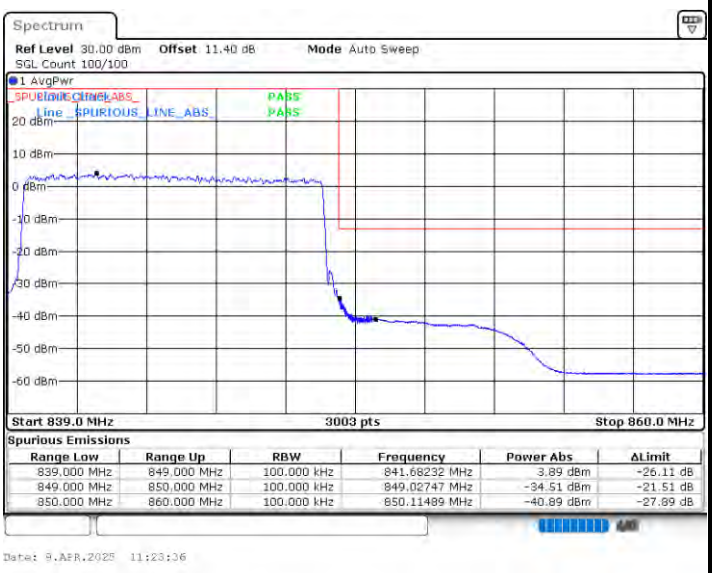
LTE Band 5 / 5MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



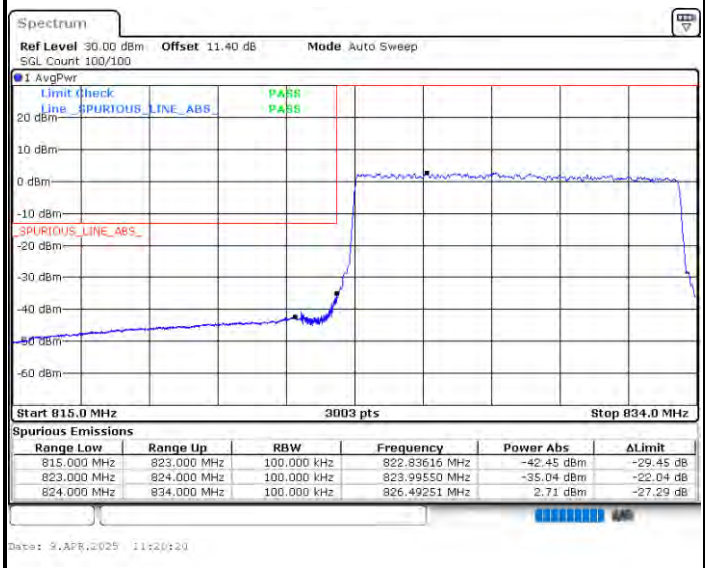


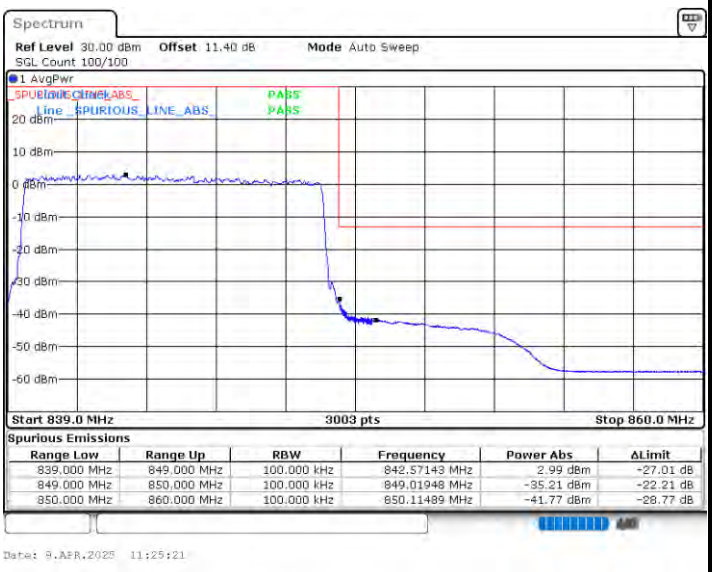
LTE Band 5 / 10MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**



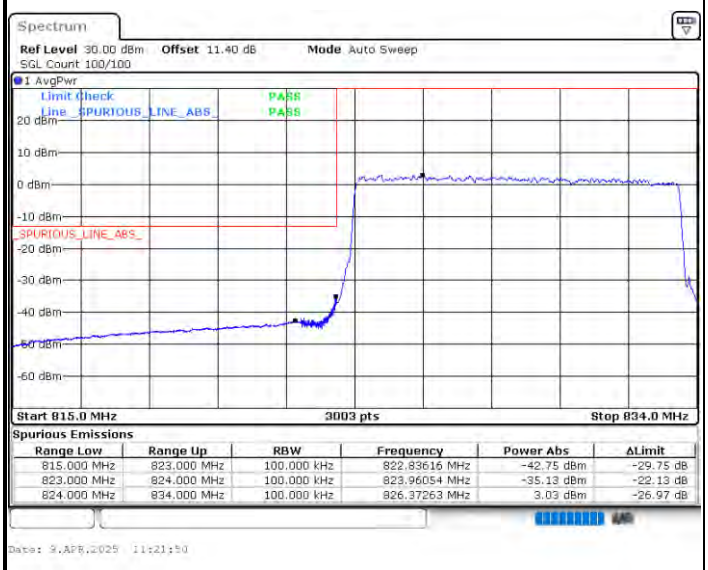


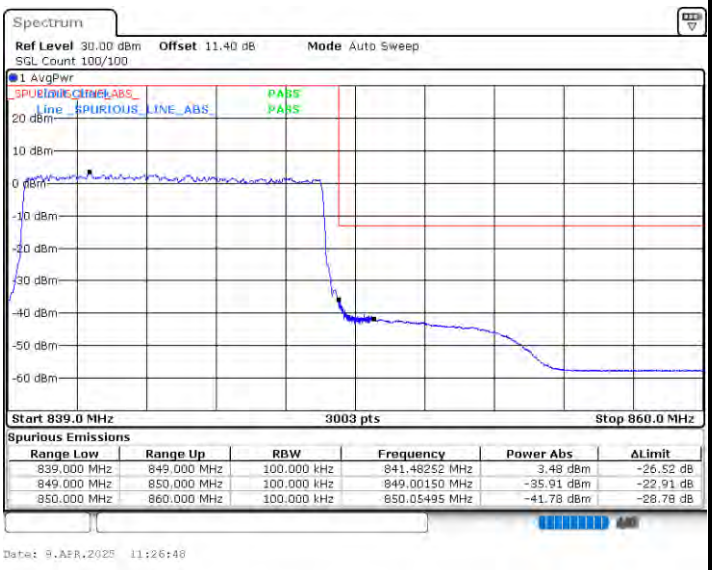
LTE Band 5 / 10MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**





LTE Band 5 / 10MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**

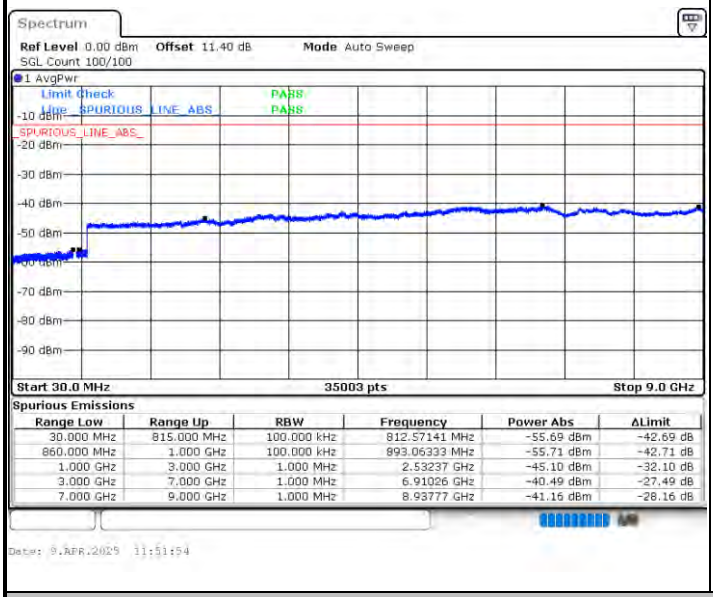




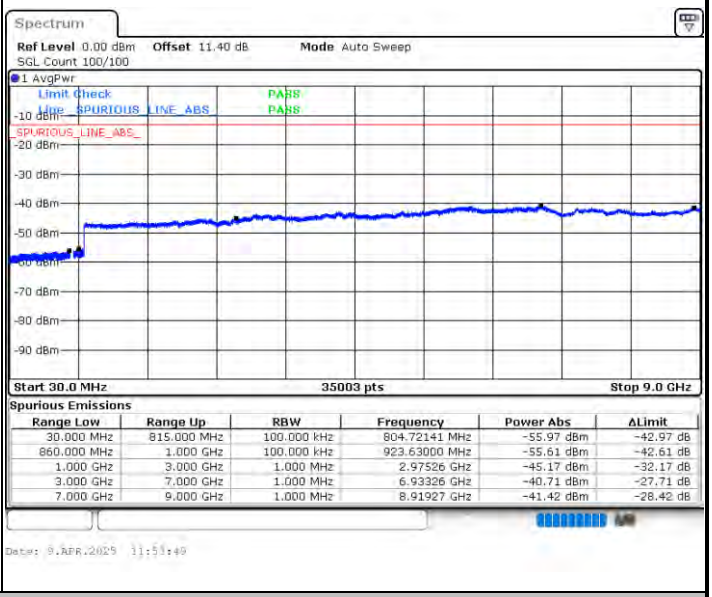
Conducted Spurious Emission

LTE Band 5 / 1.4MHz

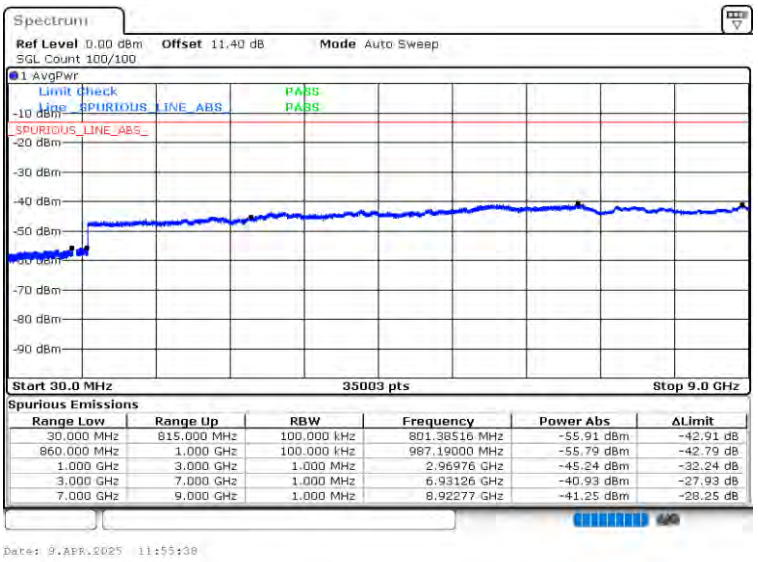
Lowest Channel / QPSK



Middle Channel / QPSK

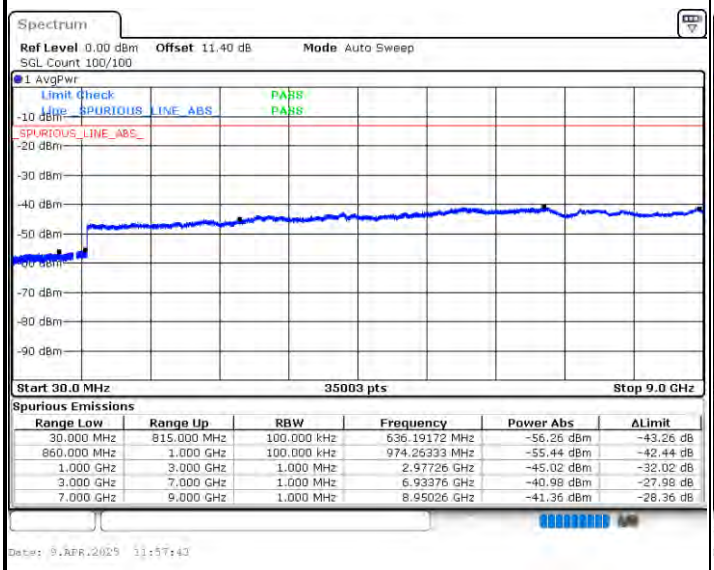


Highest Channel / QPSK



LTE Band 5 / 3MHz

Lowest Channel / QPSK

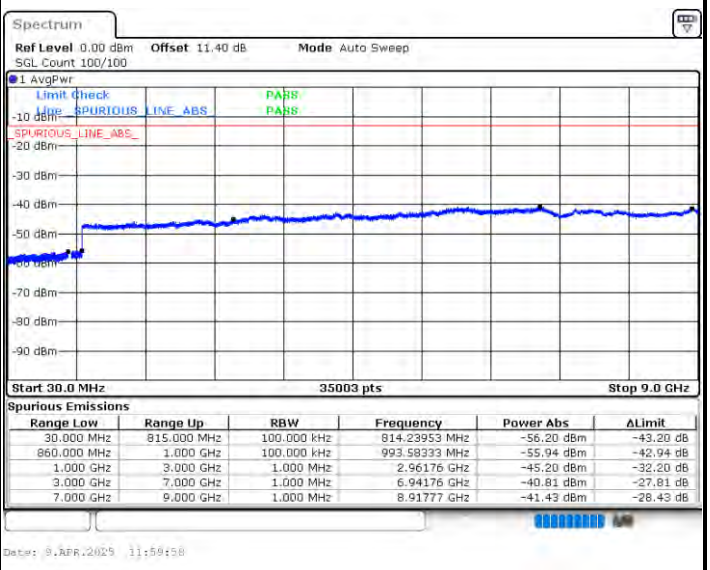


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	636.19172 MHz	-56.26 dBm	-43.26 dB
860.000 MHz	1.000 GHz	100.000 kHz	974.26333 MHz	-55.44 dBm	-42.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97726 GHz	-45.02 dBm	-32.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93376 GHz	-40.98 dBm	-27.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95026 GHz	-41.36 dBm	-28.36 dB

Date: 9.APR.2025 11:57:43

Middle Channel / QPSK

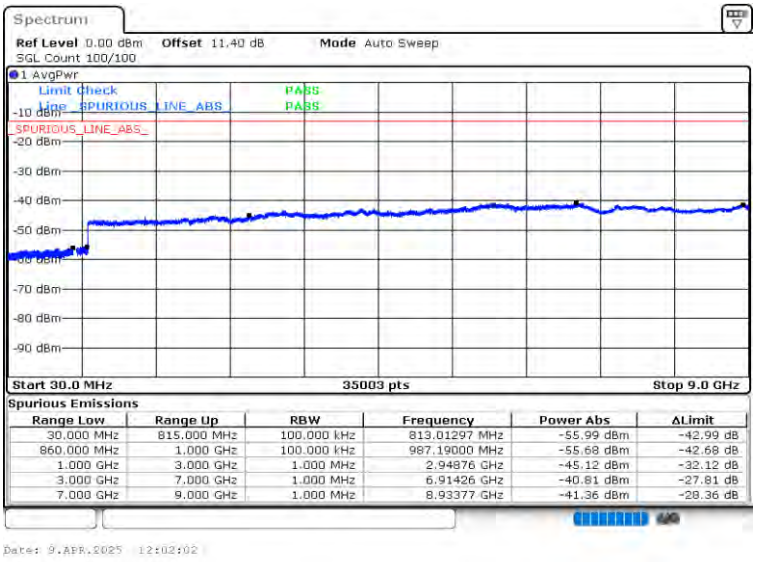


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.23953 MHz	-56.20 dBm	-43.20 dB
860.000 MHz	1.000 GHz	100.000 kHz	993.58333 MHz	-55.94 dBm	-42.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96176 GHz	-45.20 dBm	-32.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94176 GHz	-40.81 dBm	-27.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91777 GHz	-41.43 dBm	-28.43 dB

Date: 9.APR.2025 11:59:58

Highest Channel / QPSK



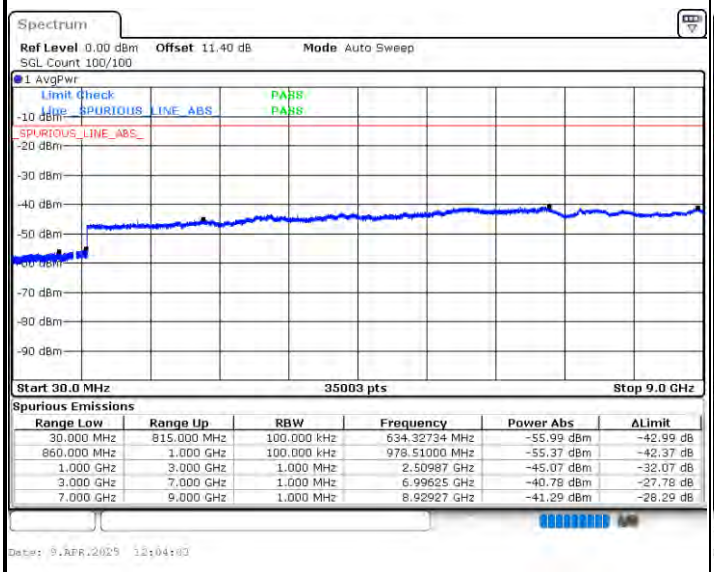
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.01297 MHz	-55.99 dBm	-42.99 dB
860.000 MHz	1.000 GHz	100.000 kHz	987.19000 MHz	-55.68 dBm	-42.68 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94876 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91426 GHz	-40.81 dBm	-27.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93377 GHz	-41.36 dBm	-28.36 dB

Date: 9.APR.2025 12:02:02

LTE Band 5 / 5MHz

Lowest Channel / QPSK

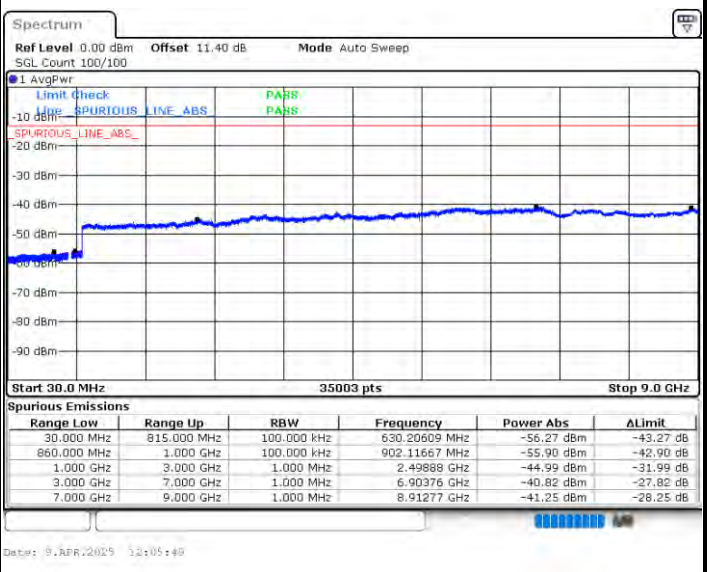


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	634.32734 MHz	-55.99 dBm	-42.99 dB
860.000 MHz	1.000 GHz	100.000 kHz	978.51000 MHz	-55.37 dBm	-42.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50987 GHz	-45.07 dBm	-32.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-40.78 dBm	-27.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92927 GHz	-41.29 dBm	-28.29 dB

Date: 9.APR.2025 12:04:03

Middle Channel / QPSK

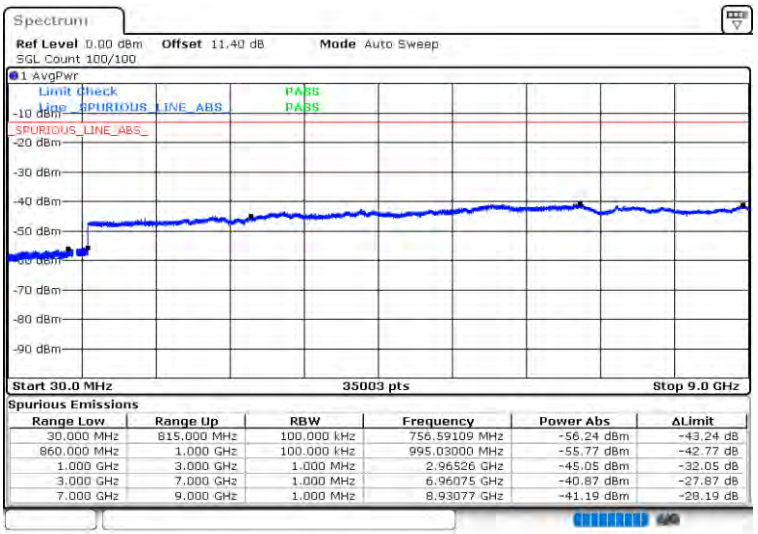


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	630.20609 MHz	-56.27 dBm	-43.27 dB
860.000 MHz	1.000 GHz	100.000 kHz	902.11667 MHz	-55.90 dBm	-42.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49888 GHz	-44.99 dBm	-31.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90376 GHz	-40.82 dBm	-27.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91277 GHz	-41.25 dBm	-28.25 dB

Date: 9.APR.2025 12:05:40

Highest Channel / QPSK



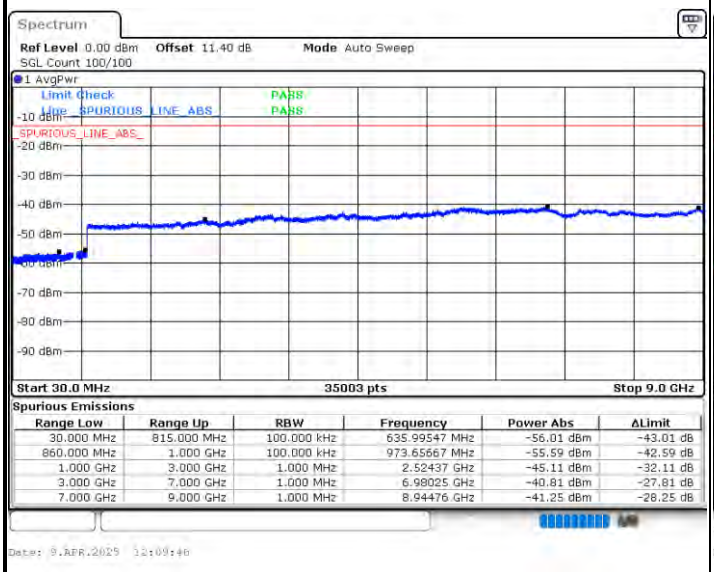
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	756.59109 MHz	-56.24 dBm	-43.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	995.03000 MHz	-55.77 dBm	-42.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96526 GHz	-45.05 dBm	-32.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96075 GHz	-40.87 dBm	-27.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93077 GHz	-41.19 dBm	-28.19 dB

Date: 9.APR.2025 12:07:41

LTE Band 5 / 10MHz

Lowest Channel / QPSK

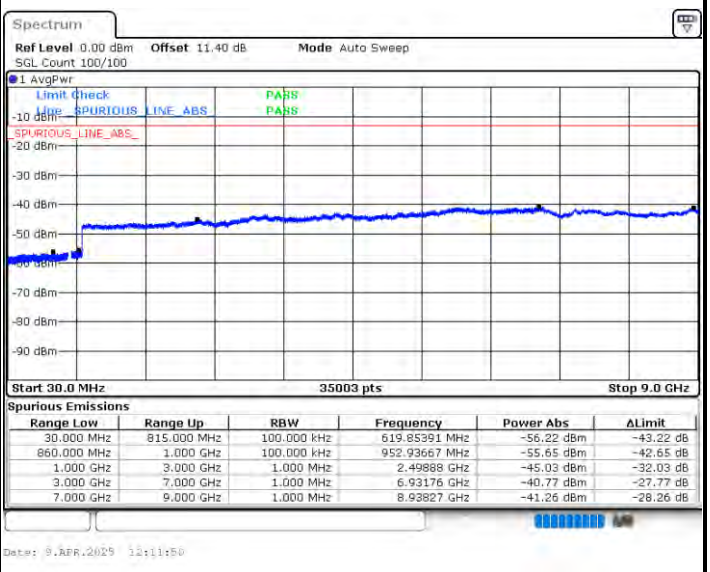


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	635.99547 MHz	-56.01 dBm	-43.01 dB
860.000 MHz	1.000 GHz	100.000 kHz	973.65667 MHz	-55.59 dBm	-42.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52437 GHz	-45.11 dBm	-32.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98025 GHz	-40.81 dBm	-27.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94476 GHz	-41.25 dBm	-28.25 dB

Date: 9.APR.2025 12:09:46

Middle Channel / QPSK

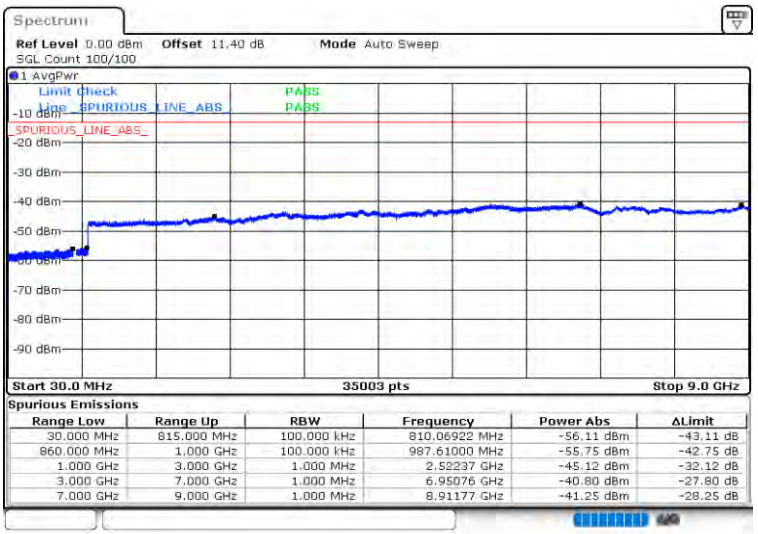


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	619.85391 MHz	-56.22 dBm	-43.22 dB
860.000 MHz	1.000 GHz	100.000 kHz	952.93667 MHz	-55.65 dBm	-42.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49888 GHz	-45.03 dBm	-32.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93176 GHz	-40.77 dBm	-27.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93827 GHz	-41.26 dBm	-28.26 dB

Date: 9.APR.2025 12:11:50

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.06922 MHz	-56.11 dBm	-43.11 dB
860.000 MHz	1.000 GHz	100.000 kHz	987.61000 MHz	-55.75 dBm	-42.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52237 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95076 GHz	-40.80 dBm	-27.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91177 GHz	-41.25 dBm	-28.25 dB

Date: 9.APR.2025 12:14:00

Frequency Stability

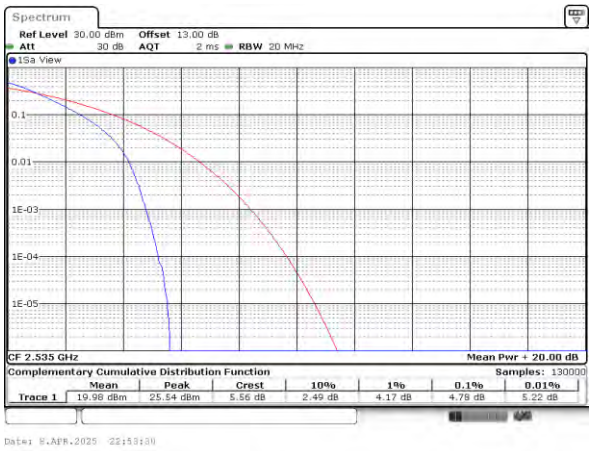
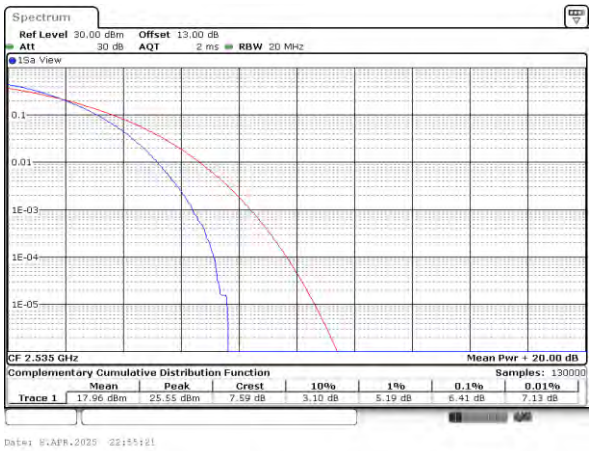
Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0042	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0071	

Note: Normal Voltage = 3.85 V.；Minimum Voltage = 3.55 V.；Maximum Voltage = 4.35 V.

LTE Band 7

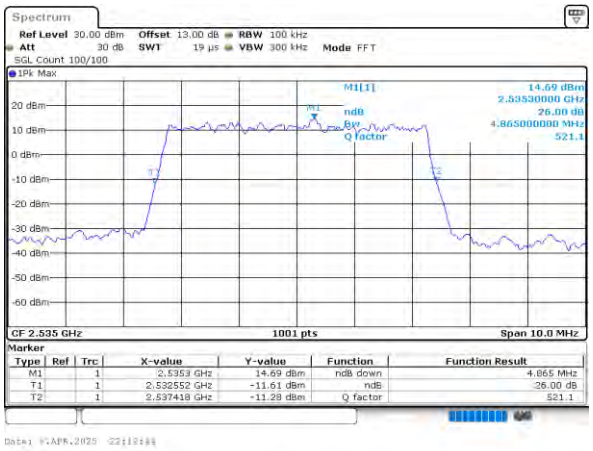
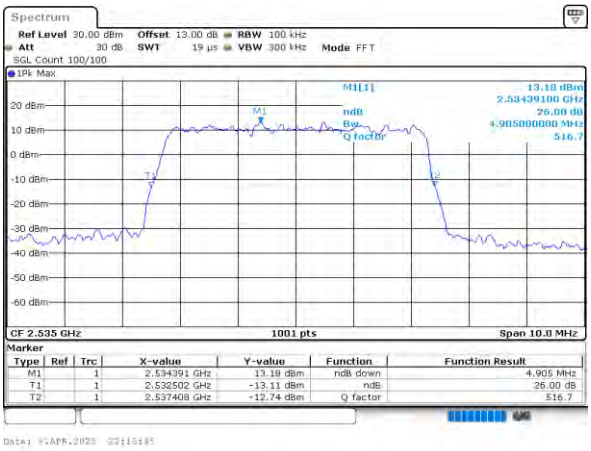
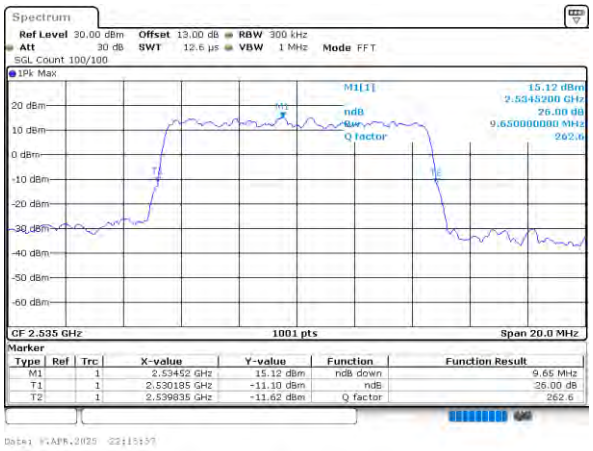
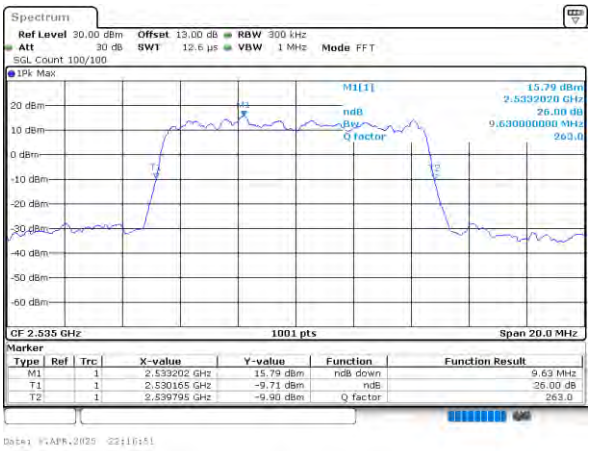
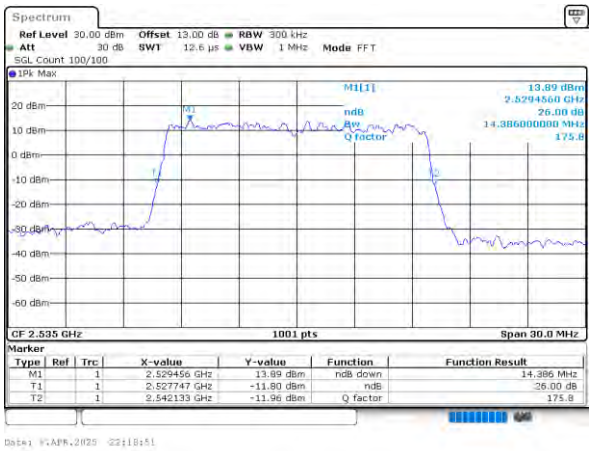
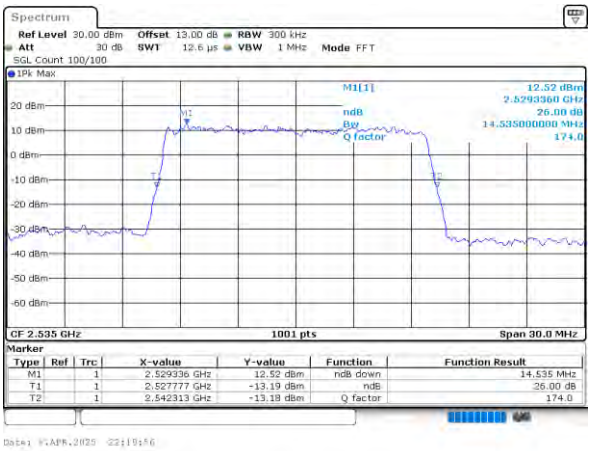
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.86	6.41	-	PASS

LTE Band 7 / 20MHz / QPSK	LTE Band 7 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 7 / 20MHz / 64QAM	**LTE Band 7 / 20MHz / 256QAM**
Middle Channel / Full RB	**Middle Channel / Full RB**
	-

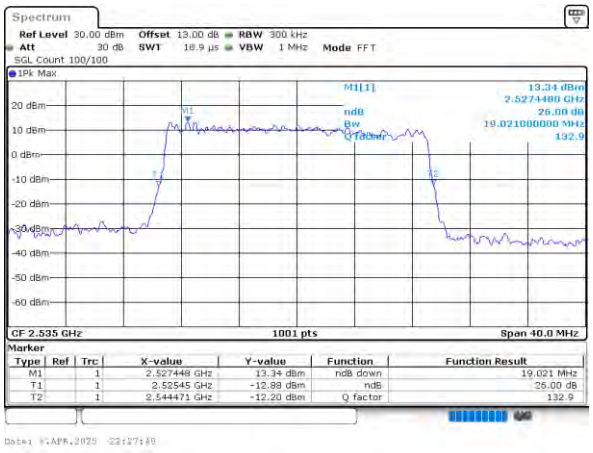
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.86	4.90	9.65	9.63	14.38	14.53	19.02	19.22
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.96	-	9.71	-	14.47	-	18.82	-

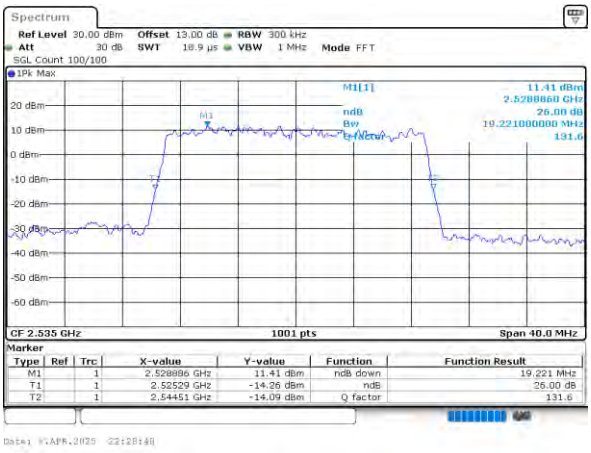
LTE Band 7	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	

LTE Band 7

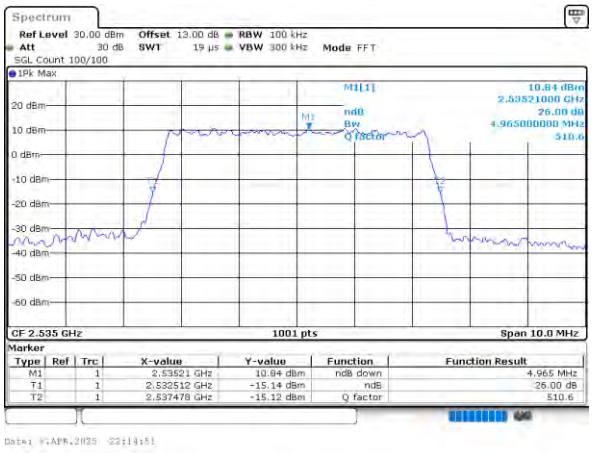
Middle Channel / 20MHz / QPSK



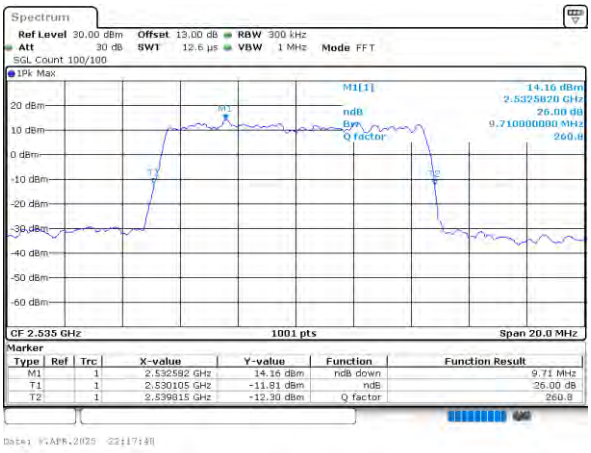
Middle Channel / 20MHz / 16QAM



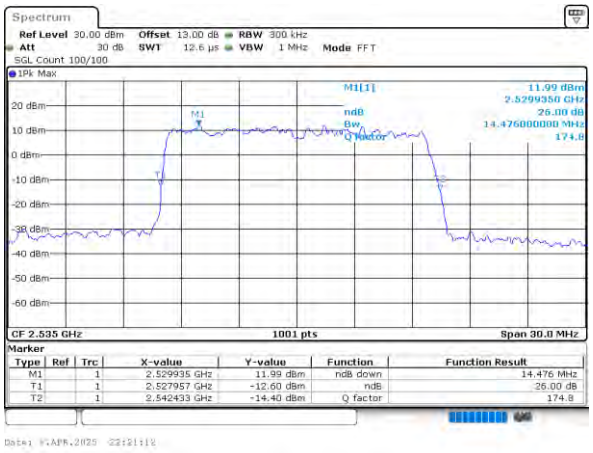
Middle Channel / 5MHz / 64QAM



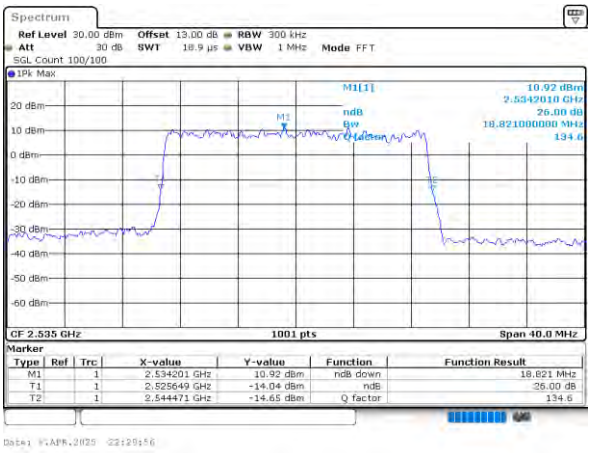
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

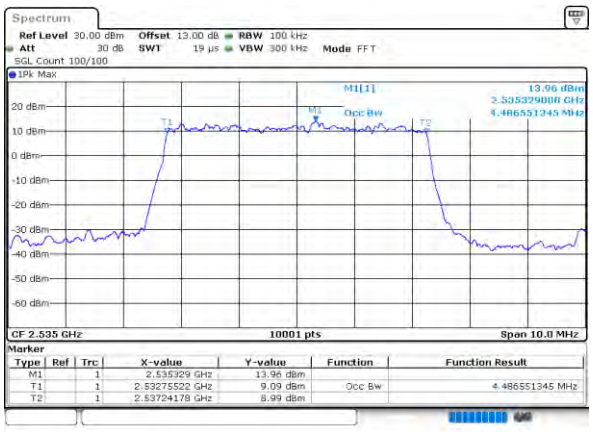
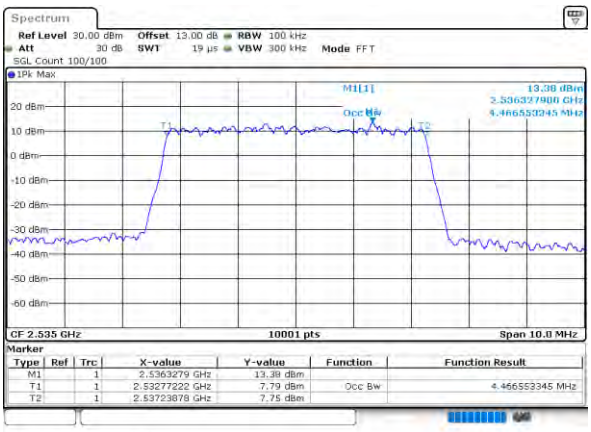
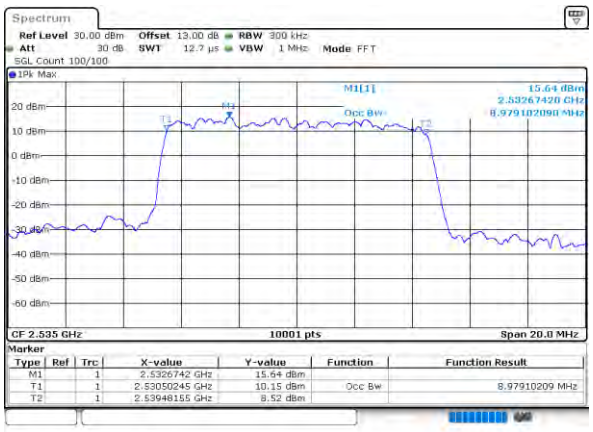
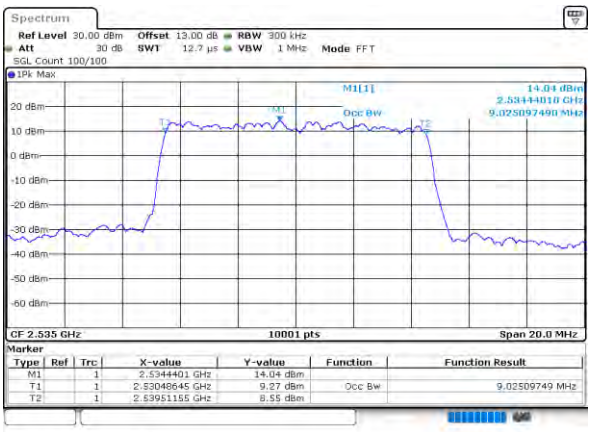
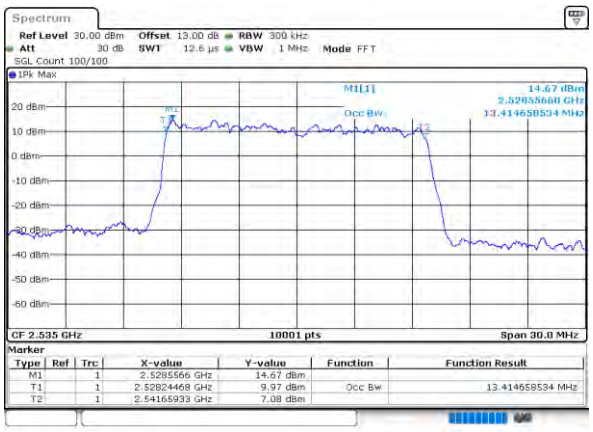
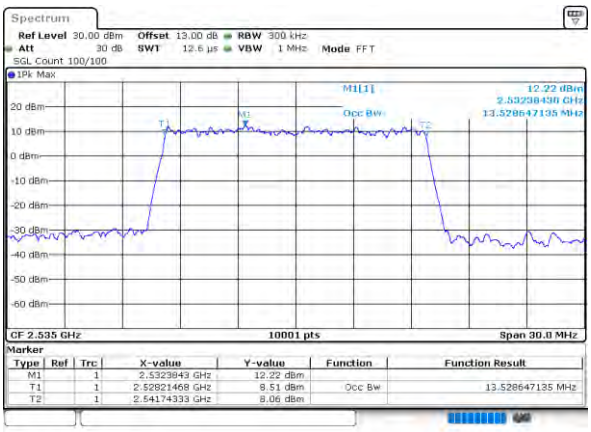


Middle Channel / 20MHz / 64QAM



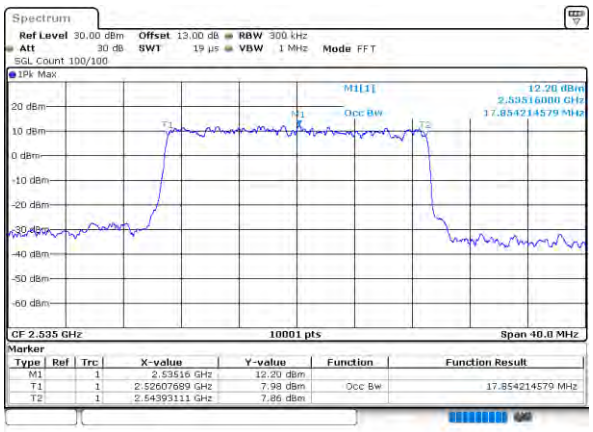
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.46	8.97	9.02	13.41	13.52	17.85	17.83
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.50	-	9.00	-	13.44	-	17.84	-

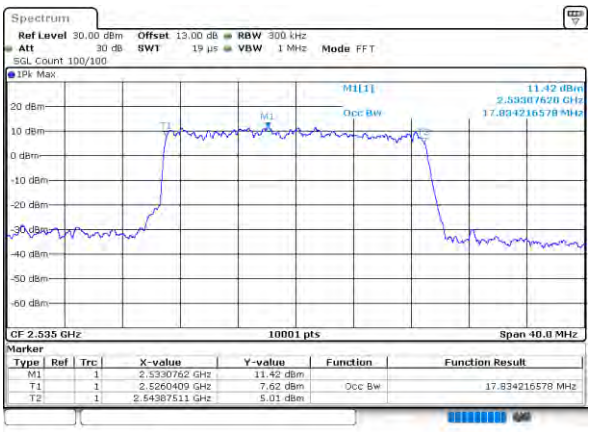
LTE Band 7	
Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	

LTE Band 7

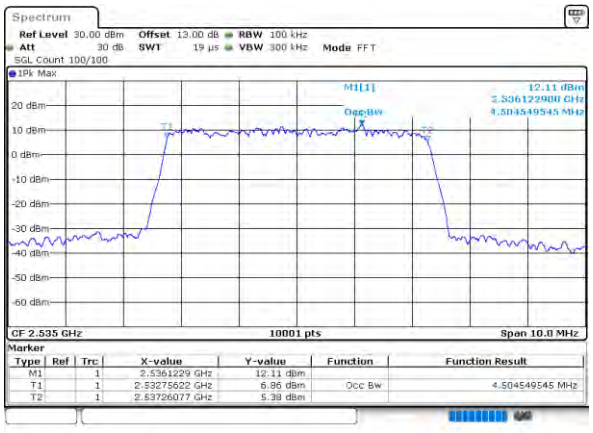
Middle Channel / 20MHz / QPSK



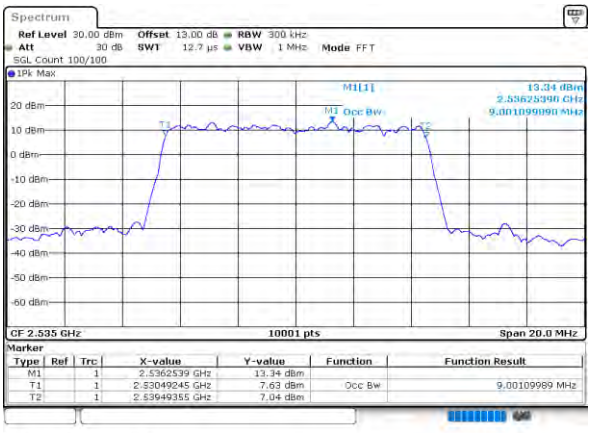
Middle Channel / 20MHz / 16QAM



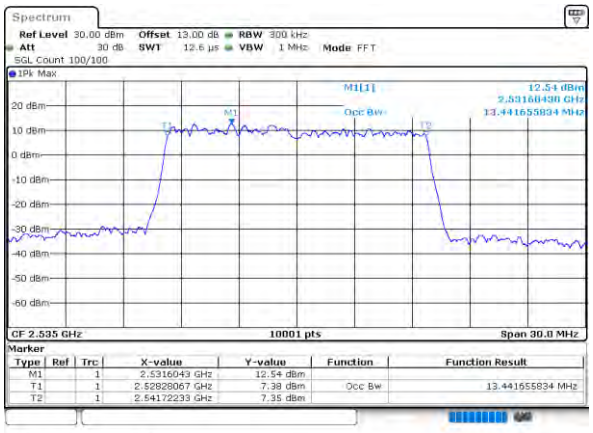
Middle Channel / 5MHz / 64QAM



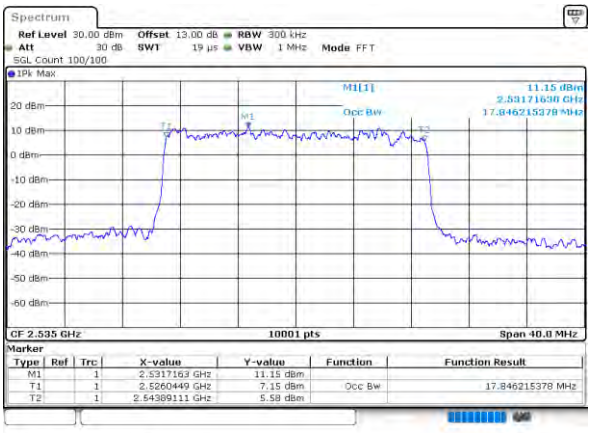
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



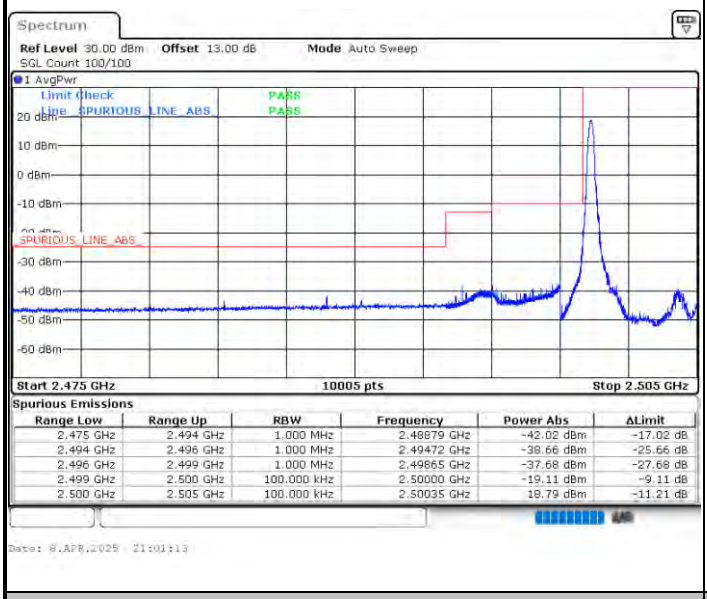
Middle Channel / 20MHz / 64QAM



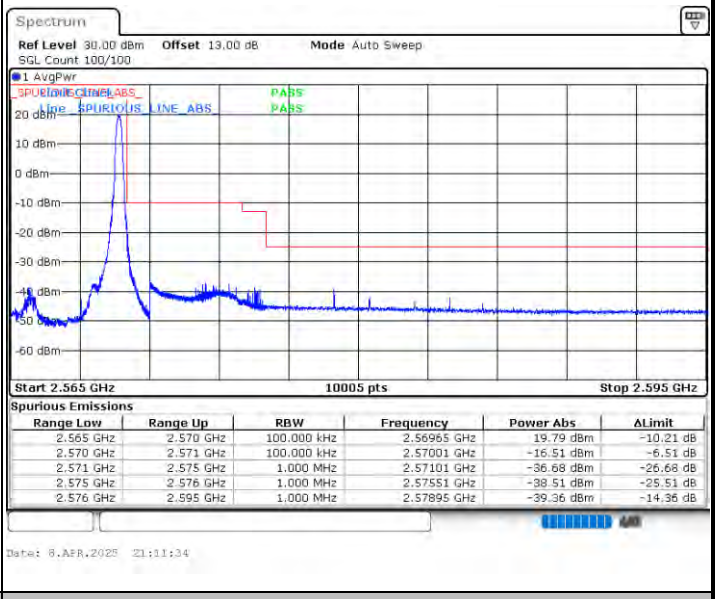
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

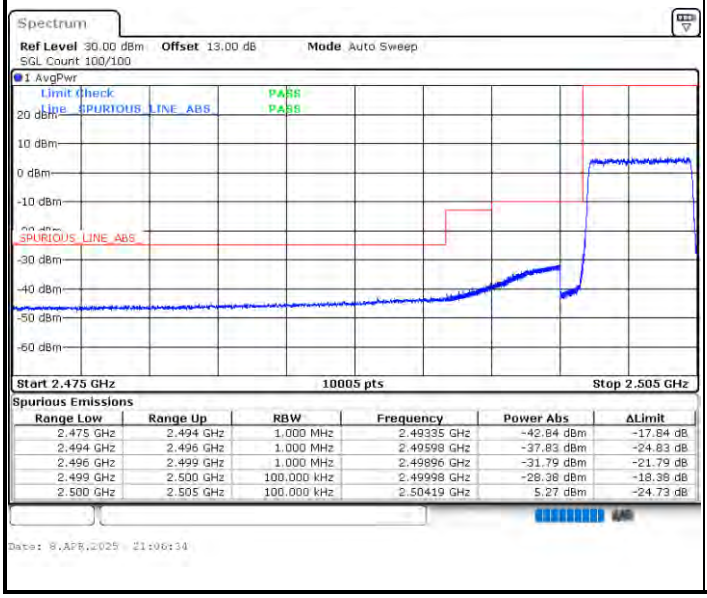
Lowest Band Edge / 1 RB



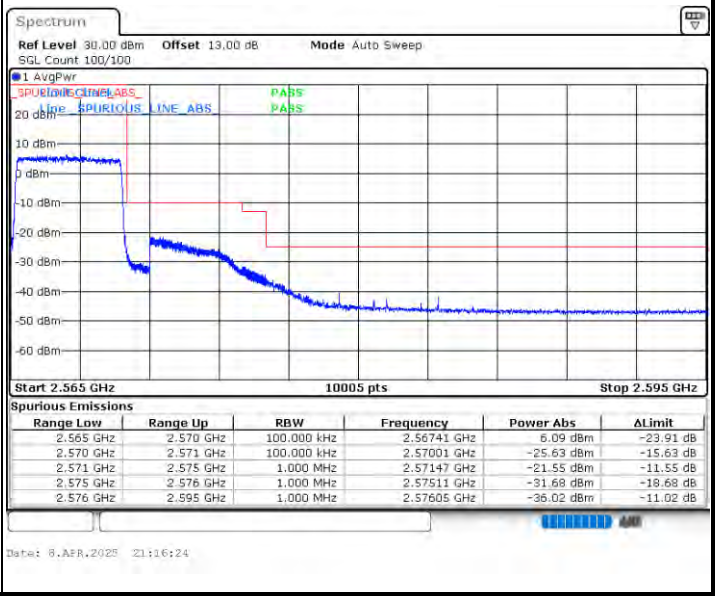
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

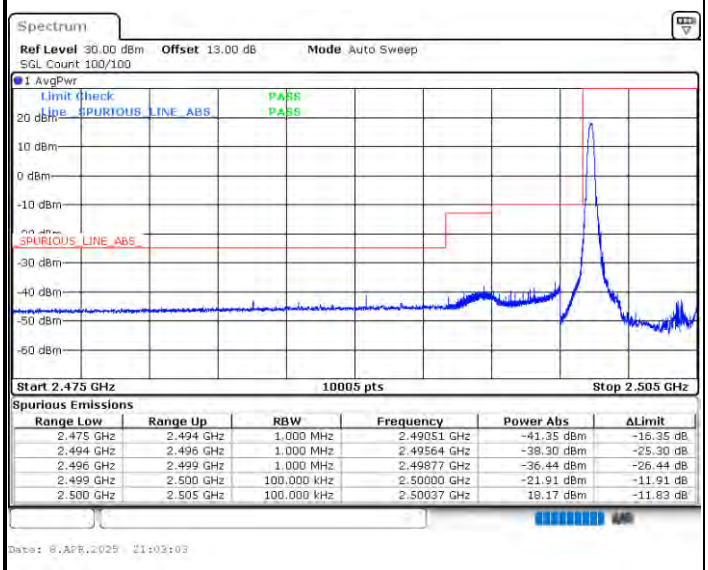


Highest Band Edge / Full RB



LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49051 GHz	-41.35 dBm	-16.35 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49564 GHz	-38.30 dBm	-25.30 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49877 GHz	-36.44 dBm	-26.44 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-21.91 dBm	-11.91 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50037 GHz	10.17 dBm	-11.83 dB

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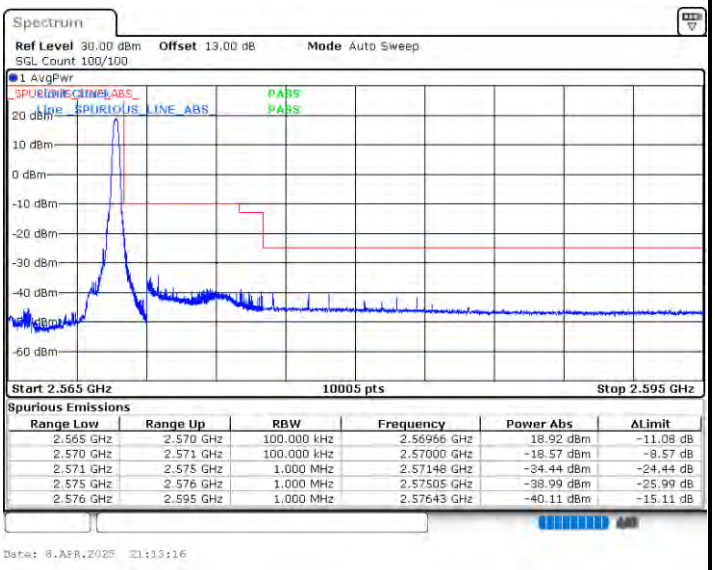
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	18.92 dBm	-11.08 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-18.57 dBm	-8.57 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57148 GHz	-34.44 dBm	-24.44 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57505 GHz	-38.99 dBm	-25.99 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57643 GHz	-40.11 dBm	-15.11 dB

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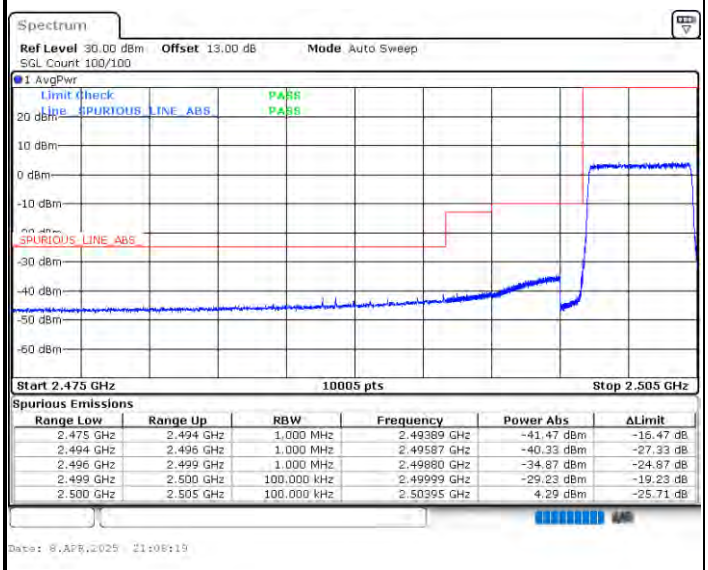
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49389 GHz	-41.47 dBm	-16.47 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49587 GHz	-40.33 dBm	-27.33 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49880 GHz	-34.87 dBm	-24.87 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-29.23 dBm	-19.23 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50395 GHz	4.29 dBm	-25.71 dB

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Highest Band Edge / Full RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56668 GHz	5.05 dBm	-24.95 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-26.96 dBm	-16.96 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-23.80 dBm	-13.80 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57500 GHz	-33.07 dBm	-20.07 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57617 GHz	-36.54 dBm	-11.54 dB

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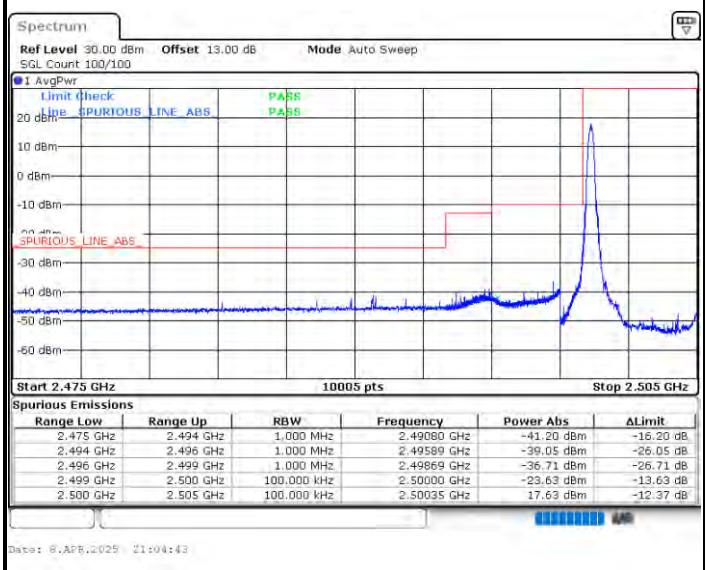
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49080 GHz	-41.20 dBm	-16.20 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49589 GHz	-39.05 dBm	-26.05 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49869 GHz	-36.71 dBm	-26.71 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-23.63 dBm	-13.63 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	17.63 dBm	-12.37 dB

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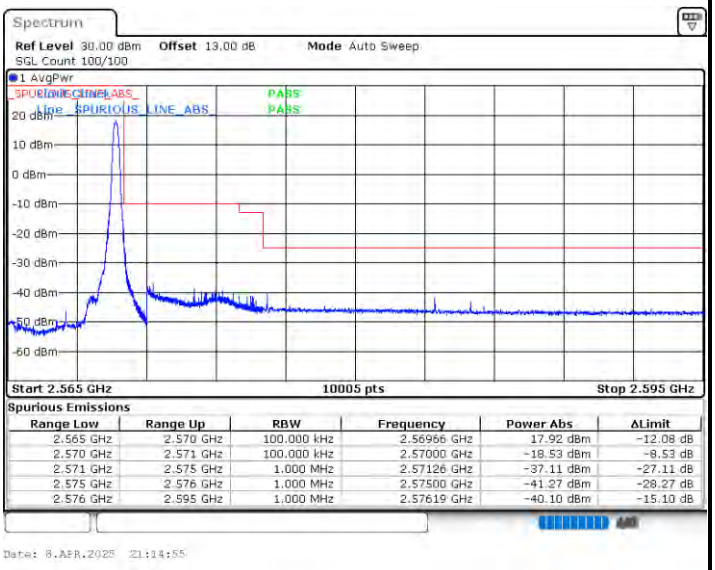
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	17.92 dBm	-12.08 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-18.53 dBm	-8.53 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57126 GHz	-37.11 dBm	-27.11 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57500 GHz	-41.27 dBm	-28.27 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57619 GHz	-40.10 dBm	-15.10 dB

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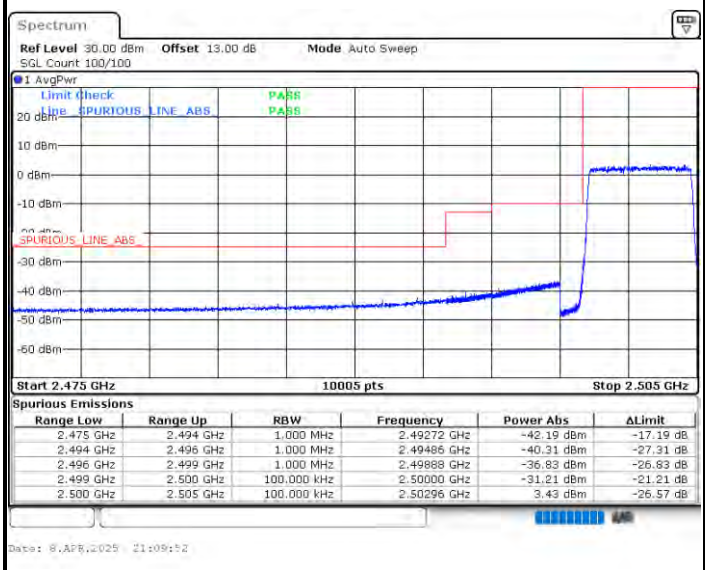
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49272 GHz	-42.19 dBm	-17.19 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49486 GHz	-40.31 dBm	-27.31 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-36.83 dBm	-26.83 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-31.21 dBm	-21.21 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50296 GHz	3.43 dBm	-26.57 dB

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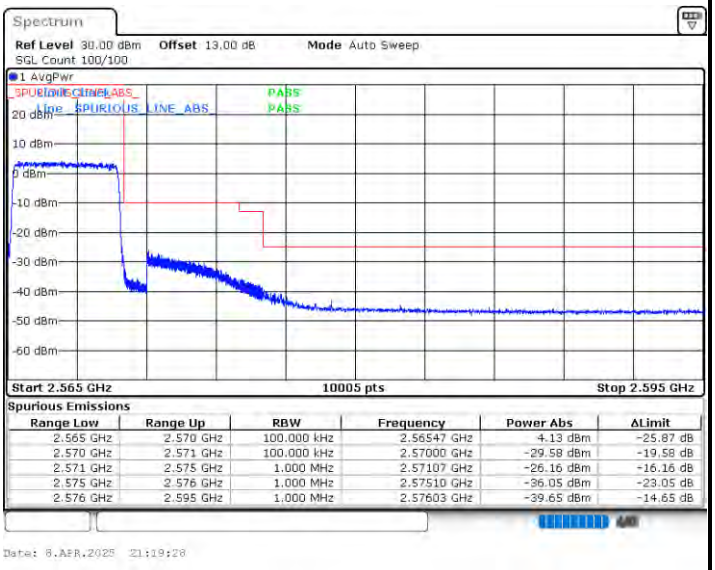
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56547 GHz	4.13 dBm	-25.87 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-29.58 dBm	-19.58 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-26.16 dBm	-16.16 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57510 GHz	-36.05 dBm	-23.05 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57603 GHz	-39.65 dBm	-14.65 dB

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