FCC RF Test Report

FCC ID	:	**UZ7ET401EA**
EQUIPMENT	:	**Enterprise Tablet**
BRAND NAME	:	**Zebra**
Model Name	:	**ET401EA**
APPLICANT	:	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069 USA**
MANUFACTURER	:	**Zebra Technologies Corporation** **3 Overlook Point, Lincolnshire, IL 60069 USA**
STANDARD	:	**47 CFR Part 90(S)**
CLASSIFICATION	:	**PCS Licensed Transmitter (PCB)**
TEST DATE(S)	:	**Sep. 18, 2025 ~ Oct. 21, 2025**

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Fly Liang

Approved by: Fly Liang

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY **3**

SUMMARY OF TEST RESULT **4**

1 GENERAL DESCRIPTION **5**

1.1 Feature of Equipment Under Test 5
1.2 Product Specification of Equipment Under Test 6
1.3 Modification of EUT 6
1.4 Maximum Conducted Power and Emission Designator 6
1.5 Testing Site 7
1.6 Test Software 7
1.7 Applied Standards 7

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **8**

2.1 Test Mode 8
2.2 Connection Diagram of Test System 9
2.3 Support Unit used in test configuration and system 9
2.4 Measurement Results Explanation Example 9
2.5 Frequency List of Low/Middle/High Channels 10

3 TEST RESULT **11**

3.1 Conducted Output Power Measurement 11
3.2 99% Occupied Bandwidth and 26dB Bandwidth Measurement 12
3.3 Emissions Mask Measurement 13
3.4 Emissions Mask – Out Of Band Emissions Measurement 15
3.5 Field Strength of Spurious Radiation Measurement 16
3.6 Frequency Stability Measurement 19

4 LIST OF MEASURING EQUIPMENT **21**

5 MEASUREMENT UNCERTAINTY **22**

APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

APPENDIX C. TEST SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG591010F	Rev. 01	Initial issue of report	Dec. 10, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	—	Report only	-
3.2	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	—	Report only	-
3.3	§2.1051 §90.691	Emission masks – In-band emissions	< $50+10\log_{10}$(P[Watts])	PASS	-
3.4	§2.1051 §90.691	Emission masks – Out of band emissions	< $43+10\log_{10}$(P[Watts])	PASS	-
3.5	§2.1053 §90.691	Field Strength of Spurious Radiation	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 49.30 dB at 3257.00 MHz
3.6	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	< 2.5 ppm	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Feature of Equipment Under Test

Product Feature	
Equipment	Enterprise Tablet
Brand Name	Zebra
Model Name	ET401EA
FCC ID	UZ7ET401EA
IMEI Code	Conducted: 354137290002312/354137290002320 Radiation: 354137290013269/354137290013277
HW Version	EV2
SW Version	qssi_64-userdebug 15 15-11-10.00-VG-U00-PRD-ERS-04 777 release-keys
MFD	13SEP2025
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two types of EUT: Sample 1 without Scanner and Sample 2 with Scanner. According to the difference, we evaluated Sample 1 to perform full test.

Specification of Accessory				
Battery	**Brand Name**	Zebra	**Model**	BT-000528

Supported Unit used in test configuration and system				
AC Adapter 1 (TYPE C Wall Charger 1)	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V45W1US
Earphone 1 (Wired headset USB-C)	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT 1-01
Earphone 2 (Rugged Bluetooth Headset)	**Brand Name**	Zebra	**Part Number**	HS3100-0TH
Earphone 3 (3.5mm PTT Headset)	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTT 1-02
Earphone 4 (Rugged Headset)	**Brand Name**	Zebra	**Part Number**	HS2100-0TH
Type C-Audio Cable (Type C to 3.5mm)	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01
3.5mm to 3.5mm audio connector	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-3MS1-01
USB Cable 1 (USB-C to C Cable)	**Brand Name**	Zebra	**Part Number**	CBL-EC5X-USBC3A-01
USB Cable 3 (USB-C to C Cable)	**Brand Name**	Zebra	**Part Number**	CBL-TN28-USBC2C-01

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	814 ~ 824 MHz
Rx Frequency	859 ~ 869 MHz
Bandwidth	1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	24.11 dBm
Antenna Gain	<Ant.8>: -0.55 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

1.3 Modification of EUT

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

1.4 Maximum Conducted Power and Emission Designator

LTE Band 26		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	**Frequency Range (MHz)**	**Maximum Conducted power (W)**	**Emission Designator (99%OBW)**	**Maximum Conducted power (W)**	**Emission Designator (99%OBW)**
1.4	814.7 ~ 823.3	0.2570	1M09G7D	0.2046	1M10W7D
3	815.5 ~ 822.5	0.2541	2M75G7D	0.2032	2M78W7D
5	816.5 ~ 821.5	0.2547	4M51G7D	0.2051	4M50W7D
10	819.0	0.2547	9M05G7D	0.2037	9M03W7D
15	824	0.2576	13M4G7D	0.1995	13M4W7D

Note: All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.5 Testing Site

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ 03CH02-SZ	CN1256	421272

1.6 Test Software

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

1.7 Applied Standards

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

- 47 CFR 90(S)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 971168 D02 Misc Rev Approv License Devices v02r02

Remark:

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

2 Test Configuration of Equipment Under Test

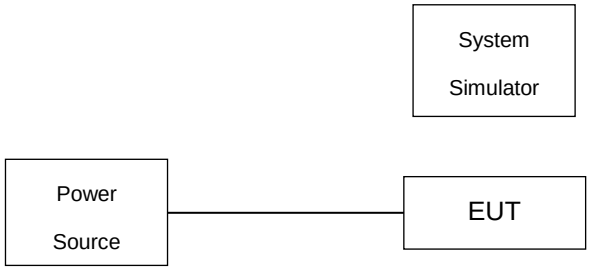
2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	26	v	v	v	v	v	-	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	26	v	v	v	v	v	-	v	v					v		v	
Emission masks In-band emissions	26	v	v	v	v	v	-	v	v	v		v		v	v		v
Emission masks – Out of band emissions	26	v	v	v	v	v	-	v				v			v	v	v
Frequency Stability	26				v		-	v						v		v	
Radiated Spurious Emission	26			v	v	v	-	v				v			v	v	v
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies. 4. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.																

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

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

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.0 dB and 10dB attenuator.

Example :

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

= 4.0 + 10 = 14.0 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 26 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Cross-rule Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**-**	**Middle**	**-**
15	Channel	-	26790	-
	Frequency	-	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-

3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

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

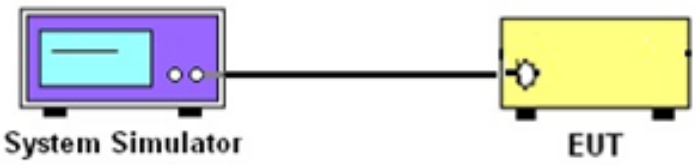
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Please refer to Appendix A.

3.2 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.2.1 Description of (Occupied) Bandwidth Limitations Measurement

The 99% 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 emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

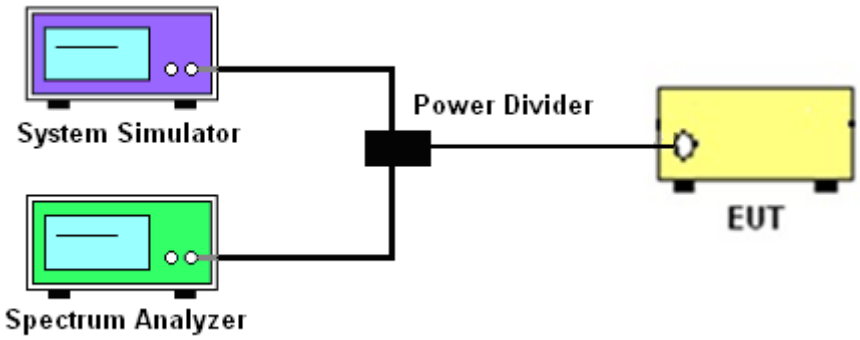
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The 26dB and 99% occupied bandwidth (BW) of the middle channel for the highest RF power with full RB sizes were measured.

3.2.4 Test Setup



3.2.5 Test Result of 99% Occupied Bandwidth and 26dB Bandwidth

Please refer to Appendix A.

3.3 Emissions Mask Measurement

3.3.1 Description of Emissions Mask Measurement

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691.(a):

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 $Log_{10}(f/6.1)$ decibels or 50 + 10 $Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + $10Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

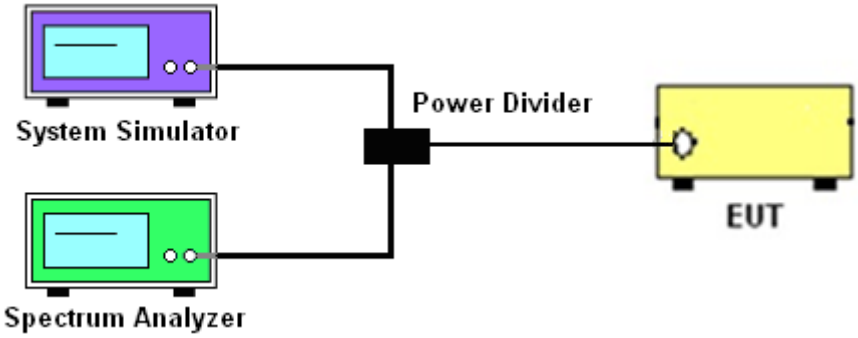
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. The measured RBW and the VBW set 3 times of RBW are then set in spectrum analyzer, and the RBW correction factor 10log (1% of OBW/measured RBW)(dB) was compensated, if required.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.

3.3.4 Test Setup



3.3.5 Test Result (Plots) of Conducted Emissions Mask

Please refer to Appendix A.

3.4 Emissions Mask – Out Of Band Emissions Measurement

3.4.1 Description of Conducted Emissions Out of band emissions measurement

The power of any emission FCC Part 90.691 (a)(2) on any frequency removed from the assigned frequency by out of the authorized bandwidth at least 43 + 10 log (P) dB. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

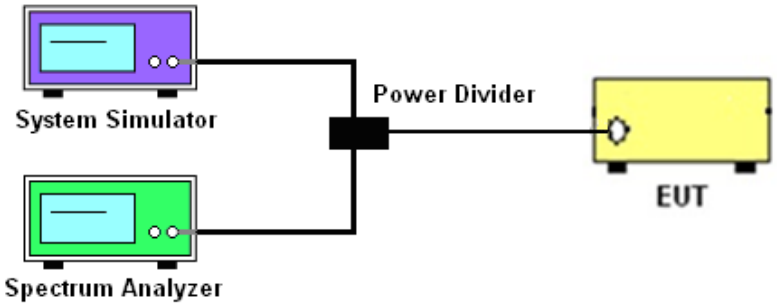
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

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 middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

3.4.4 Test Setup



3.4.5 Test Result (Plots) of Conducted Emission

Please refer to Appendix A.

3.5 Field Strength of Spurious Radiation Measurement

3.5.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

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 $43+10\log_{10}(P[Watts])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.5.2 Measuring Instruments

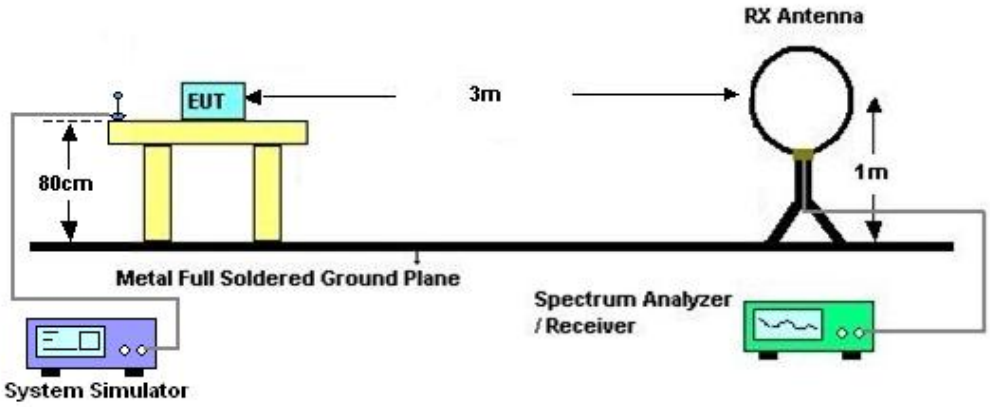
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

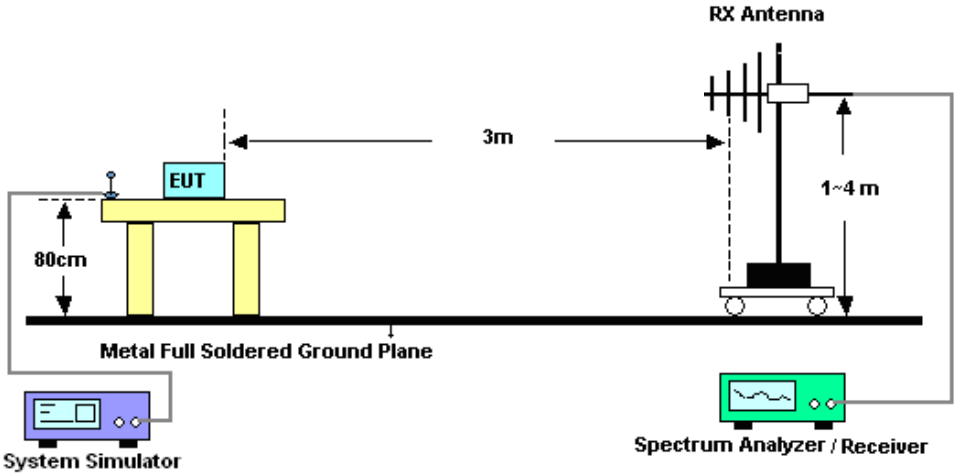
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position 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, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

3.5.4 Test Setup

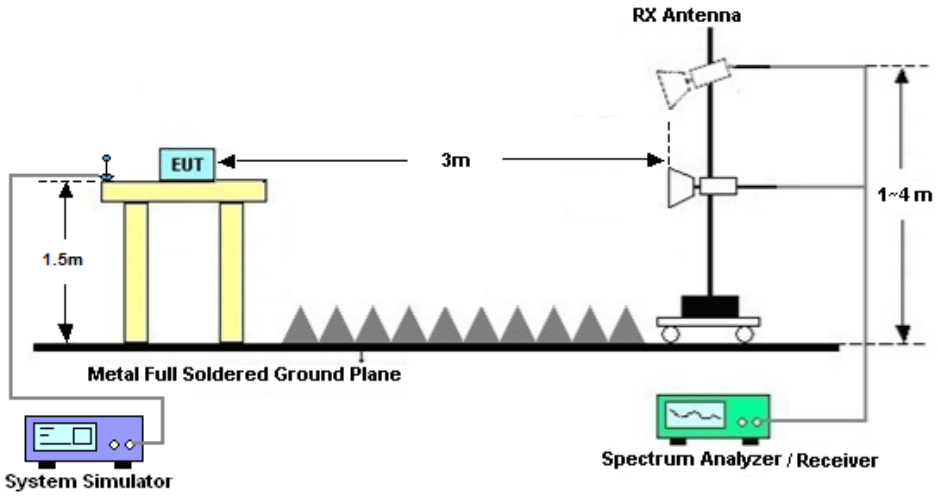
For radiated test from 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



3.5.5 Test Result of Field Strength of Spurious Radiated

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

Please refer to Appendix B.

3.6 Frequency Stability Measurement

3.6.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency according to FCC Part 90.213.

3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

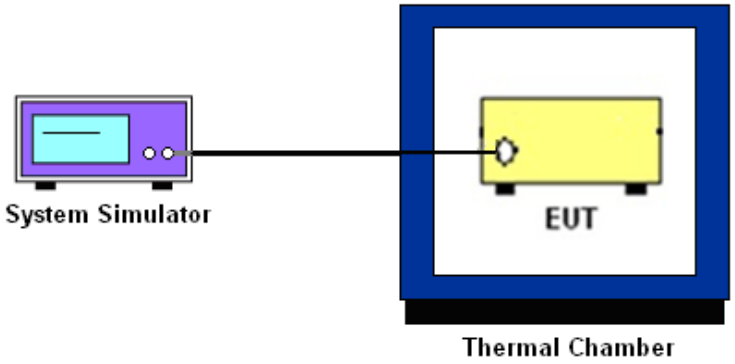
3.6.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. 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.

3.6.4 Test Procedures for Voltage Variation

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 for other than hand carried battery equipment.
3. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the
4. battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

3.6.5 Test Setup



3.6.6 Test Result of Temperature Variation

Please refer to Appendix A.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Sep. 18, 2025~ Sep. 30, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Sep. 18, 2025~ Sep. 30, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Sep. 18, 2025~ Sep. 30, 2025	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Oct. 21, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Oct. 21, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 25, 2024	Oct. 21, 2025	Oct. 24, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Oct. 21, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Oct. 21, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2025	Oct. 21, 2025	Oct. 13, 2026	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2025	Oct. 21, 2025	Oct. 17, 2026	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Oct. 21, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Oct. 21, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

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

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

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

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

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

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	22~23℃
		Relative Humidity :	40~42%

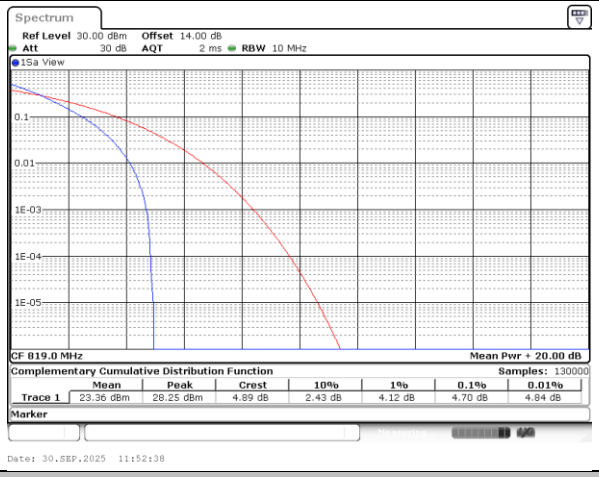
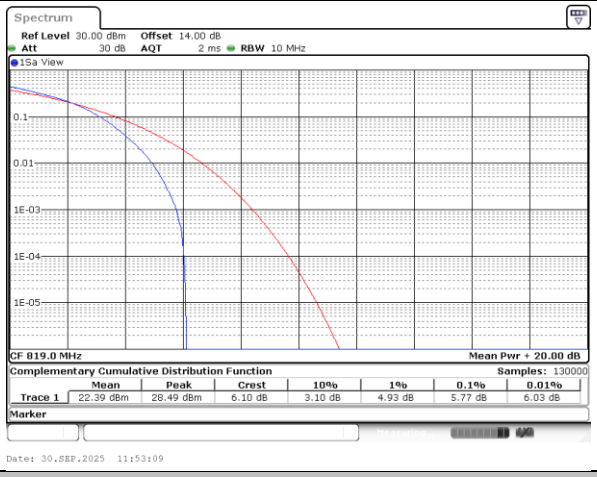
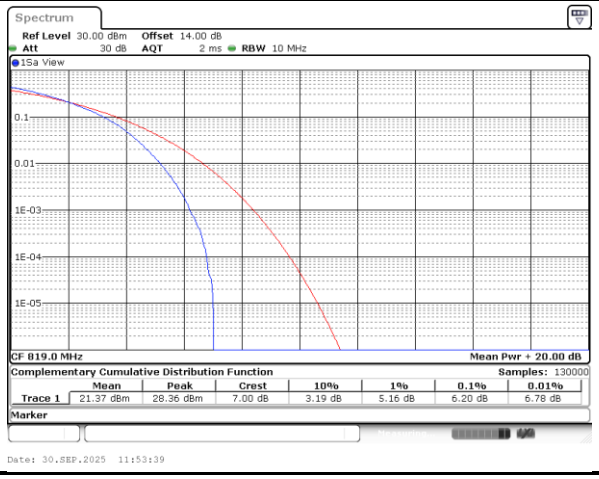
Conducted Output Power (Average power)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26790		
Frequency (MHz)				824		
15	QPSK	1	0	23.96		
15	QPSK	1	74	24.11		
15	QPSK	75	0	23.12		
15	16QAM	1	0	23.00		
15	64QAM	1	0	22.18		
15	256QAM	1	0	18.89		
Channel					26740	
Frequency (MHz)					819	
10	QPSK	1	0		24.06	
10	QPSK	1	49		24.01	
10	QPSK	50	0		23.15	
10	16QAM	1	0		23.09	
10	64QAM	1	0		22.00	
10	256QAM	1	0		19.99	
Channel				26715	26740	26765
Frequency (MHz)				816.5	819	821.5
5	QPSK	1	0	23.98	24.06	24.03
5	16QAM	1	0	22.96	22.94	23.12
Channel				26705	26740	26775
Frequency (MHz)				815.5	819	822.5
3	QPSK	1	0	24.05	23.89	23.98
3	16QAM	1	0	22.95	23.01	23.08
Channel				26697	26740	26783
Frequency (MHz)				814.7	819	823.3
1.4	QPSK	1	0	24.07	24.06	24.10
1.4	16QAM	1	0	22.93	22.98	23.11

LTE Band 26

Peak-to-Average Ratio

Mode	LTE Band 26 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.77	6.20	PASS

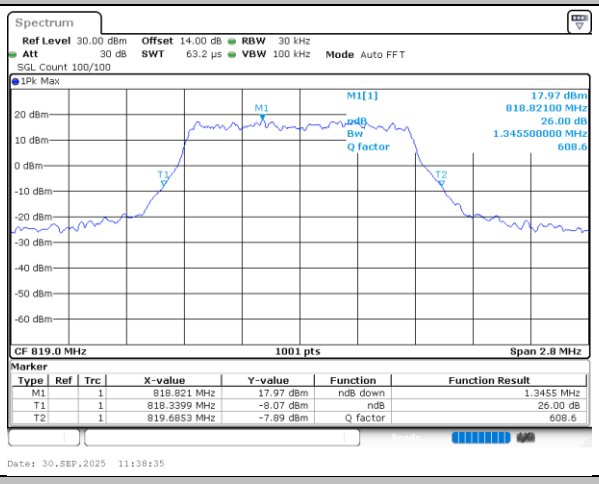
LTE Band 26 / 10MHz / QPSK	LTE Band 26 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 26 / 10MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

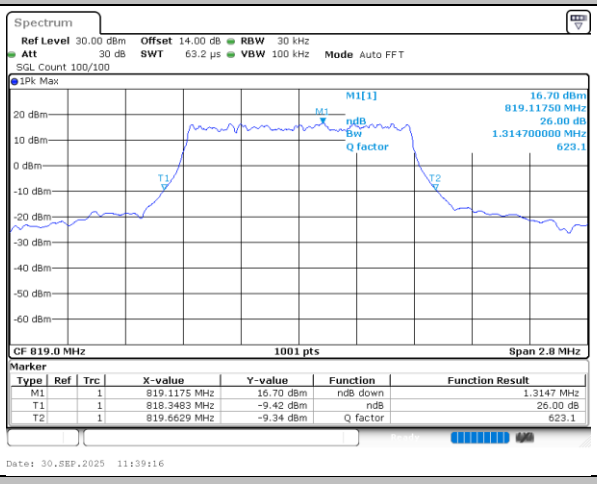
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.35	1.31	3.09	3.07	5.12	5.03	9.95	9.85	-	-	-	-
High CH	-	-	-	-	-	-	-	-	14.18	14.66	-	-

LTE Band 26

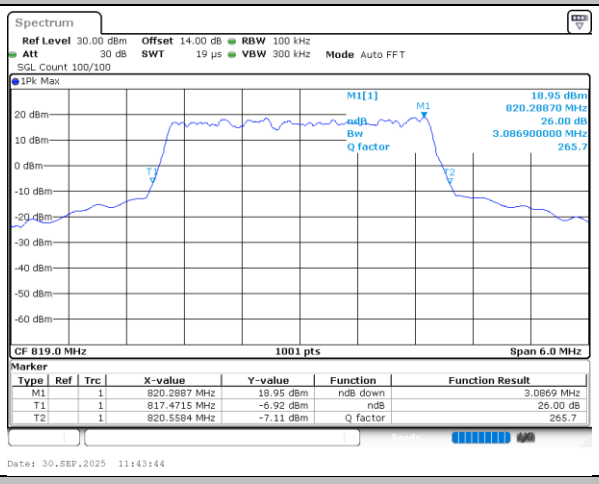
Middle Channel / 1.4MHz / QPSK



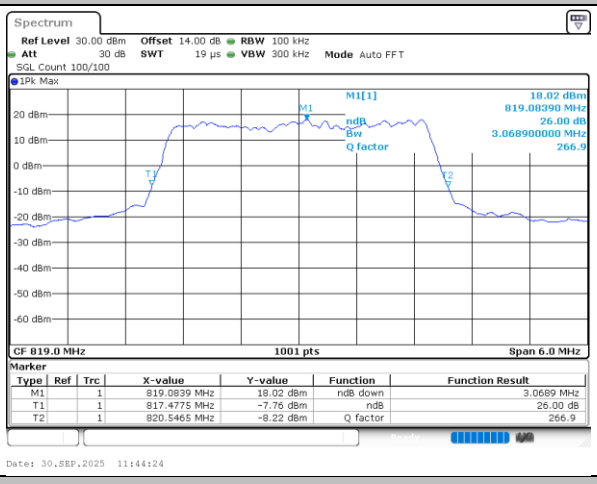
Middle Channel / 1.4MHz / 16QAM



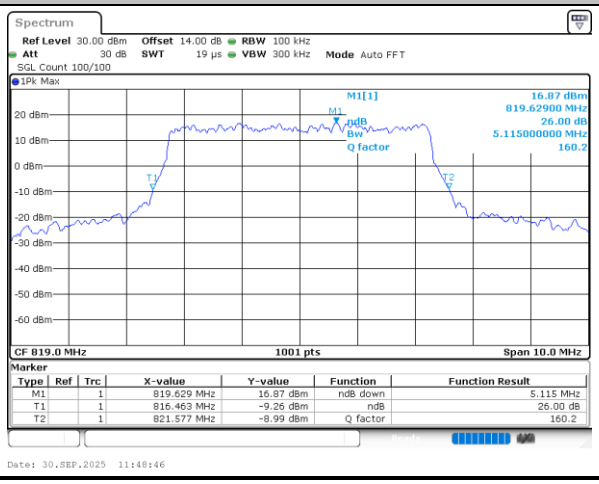
Middle Channel / 3MHz / QPSK



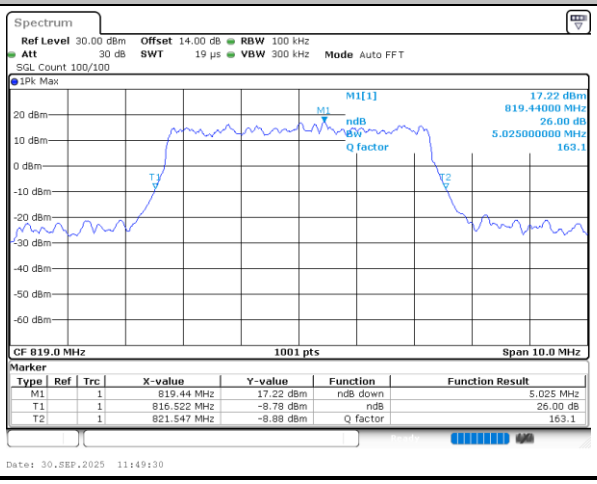
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

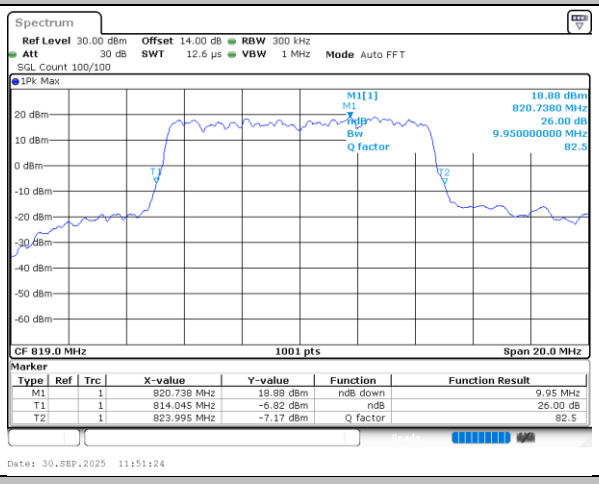


Middle Channel / 5MHz / 16QAM

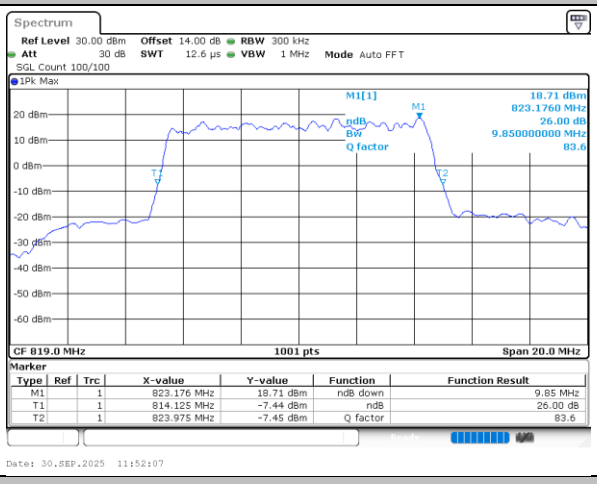


LTE Band 26

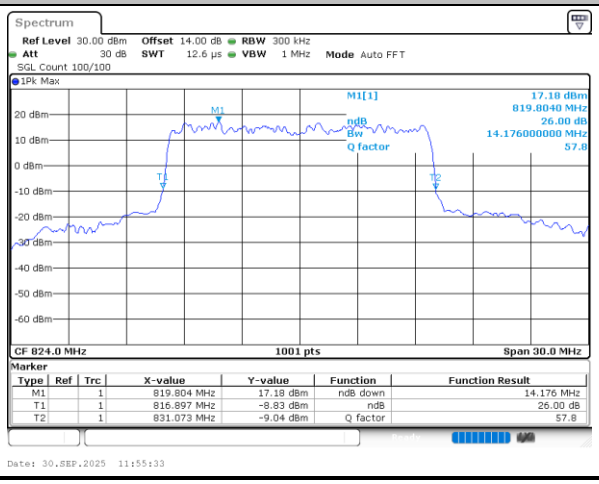
Middle Channel / 10MHz / QPSK



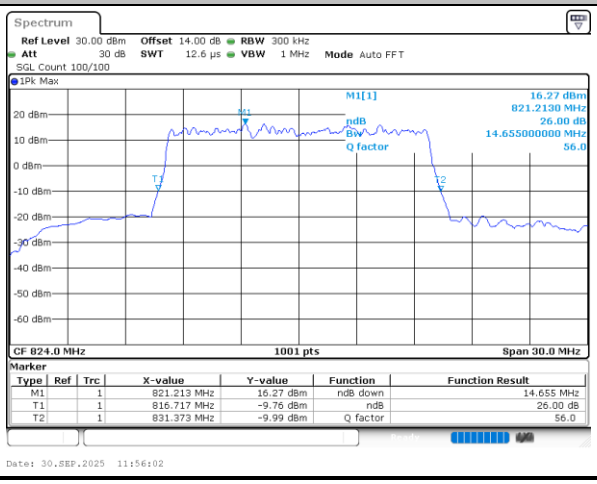
Middle Channel / 10MHz / 16QAM



High Channel / 15MHz / QPSK



High Channel / 15MHz / 16QAM

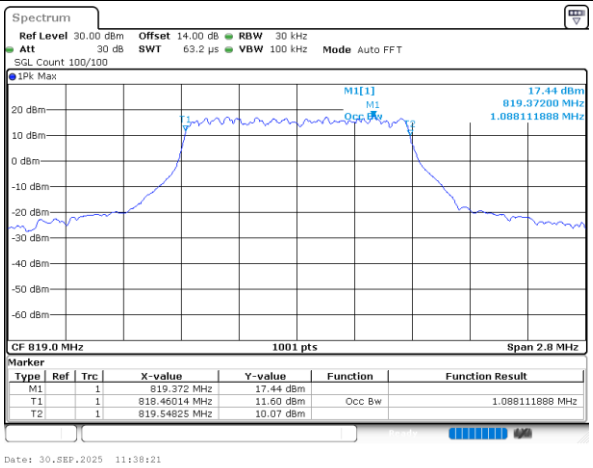


Occupied Bandwidth

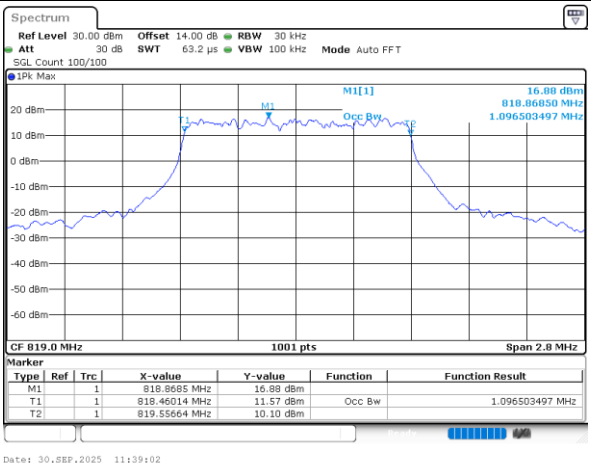
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.75	2.78	4.51	4.50	9.05	9.03	-	-	-	-
High CH	-	-	-	-	-	-	-	-	13.43	13.43	-	-

LTE Band 26

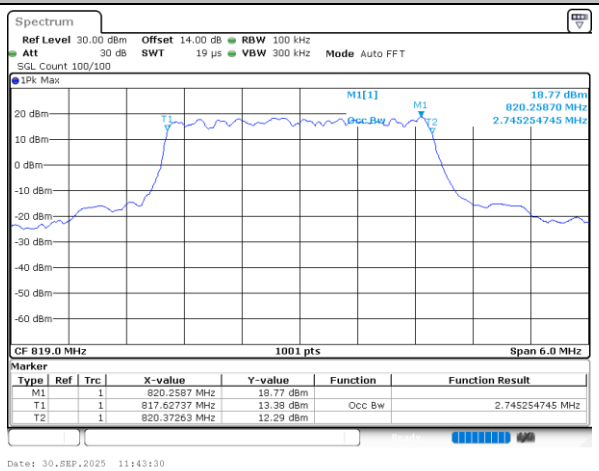
Middle Channel / 1.4MHz / QPSK



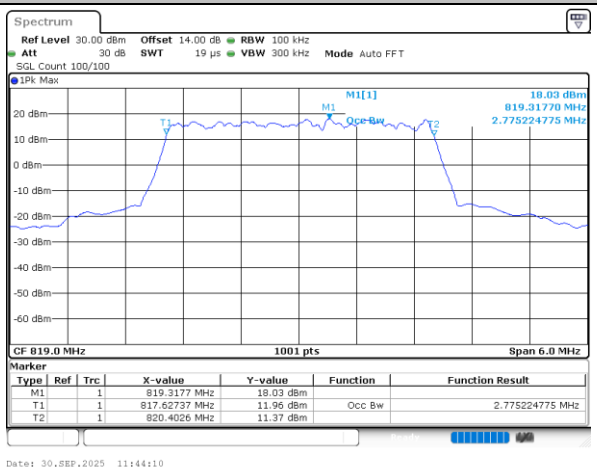
Middle Channel / 1.4MHz / 16QAM



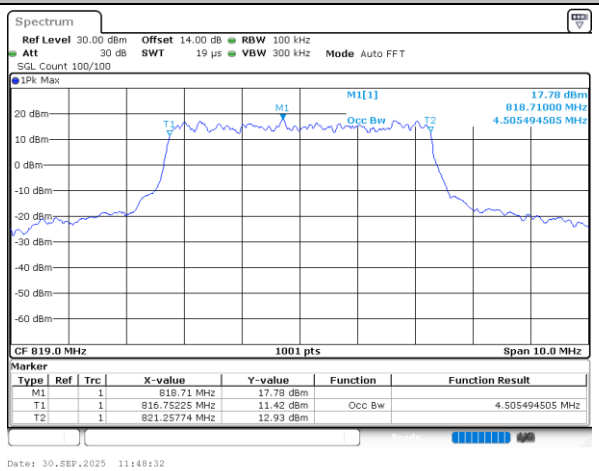
Middle Channel / 3MHz / QPSK



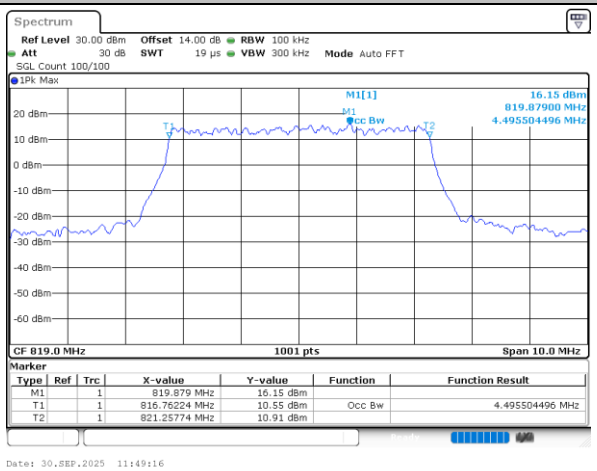
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

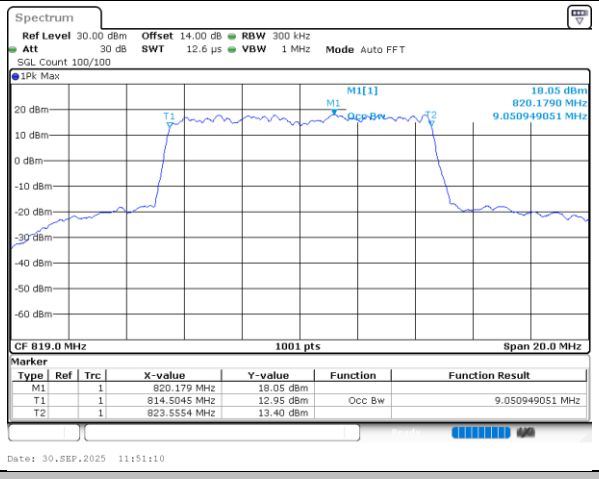


Middle Channel / 5MHz / 16QAM

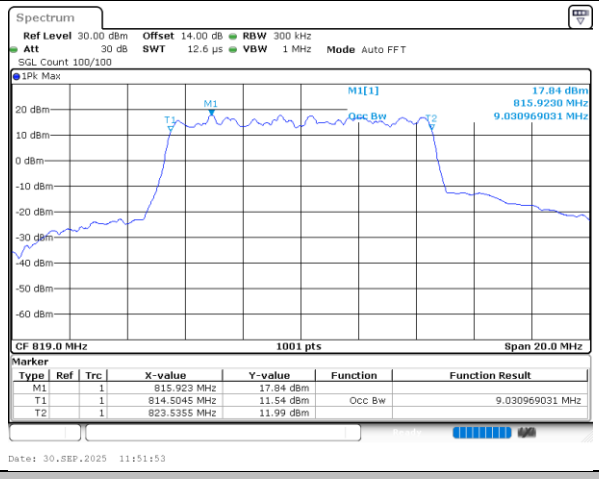


LTE Band 26

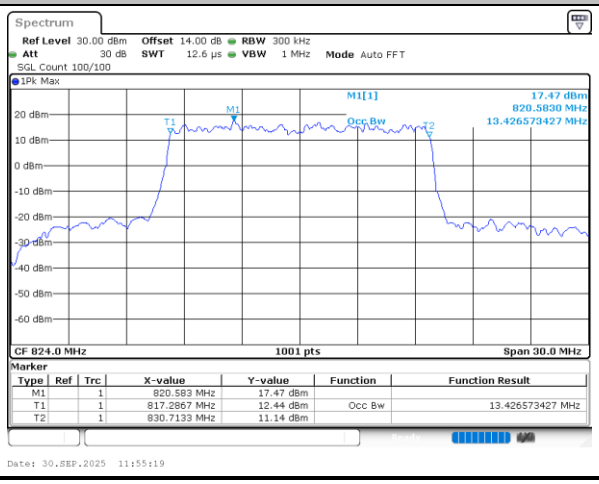
Middle Channel / 10MHz / QPSK



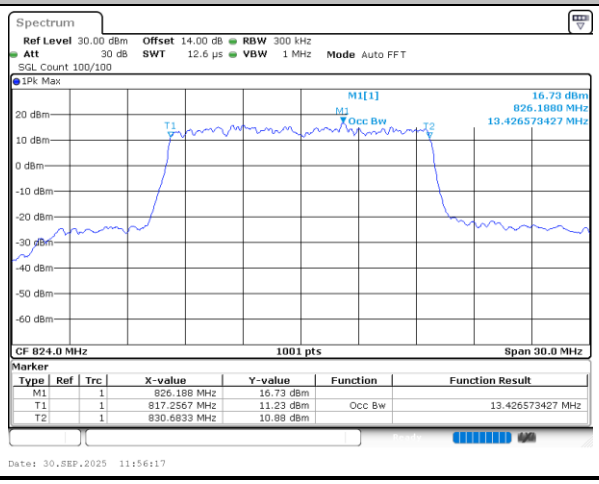
Middle Channel / 10MHz / 16QAM



High Channel / 15MHz / QPSK



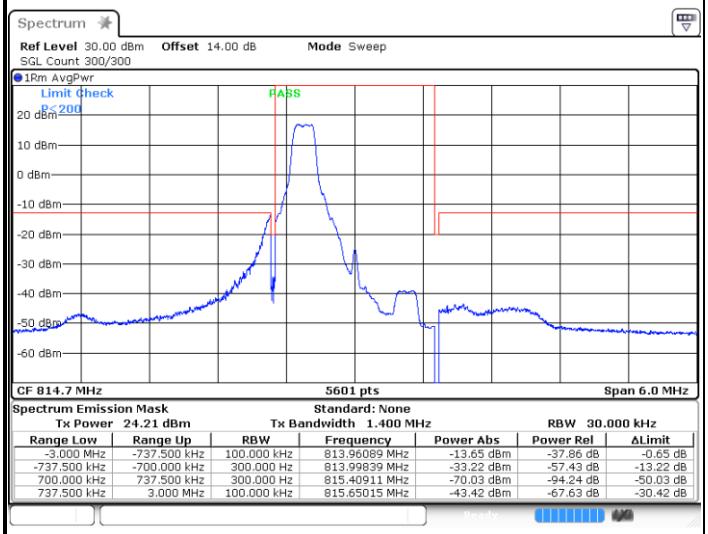
High Channel / 15MHz / 16QAM



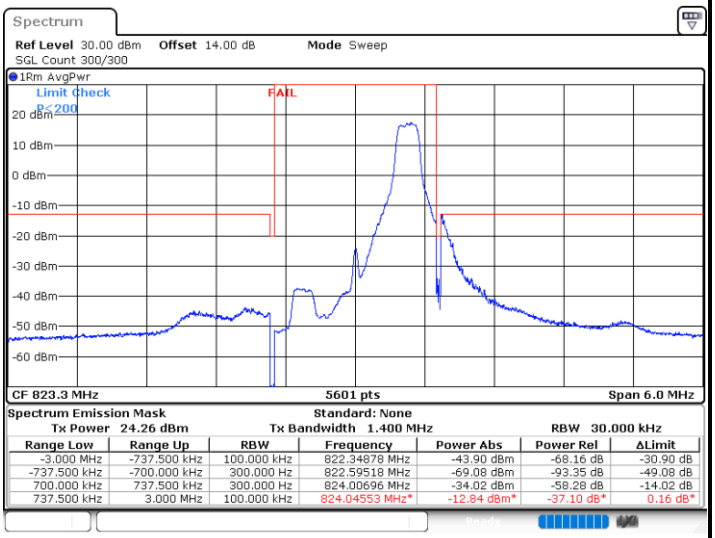
Emission masks – In-band emissions

LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

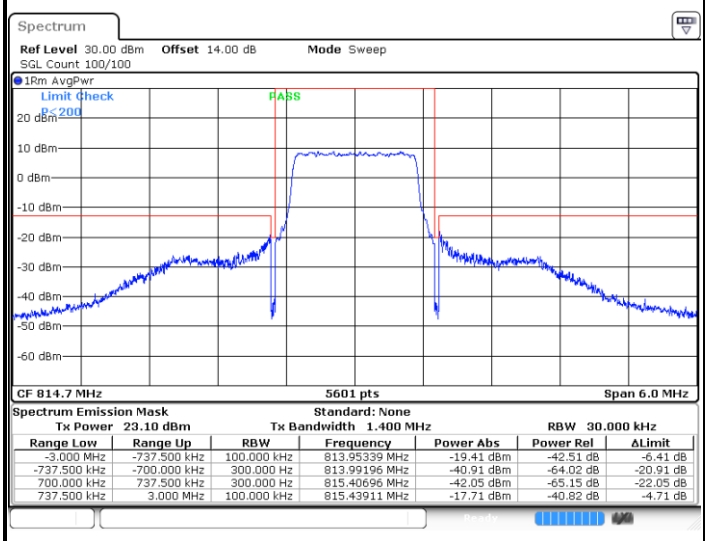


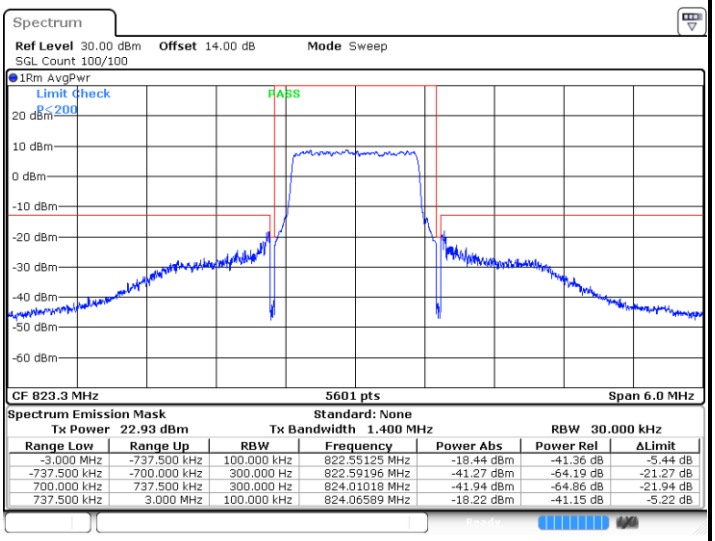
Highest Band Edge / 1RB



Highest Band Edge / 1RB-CP

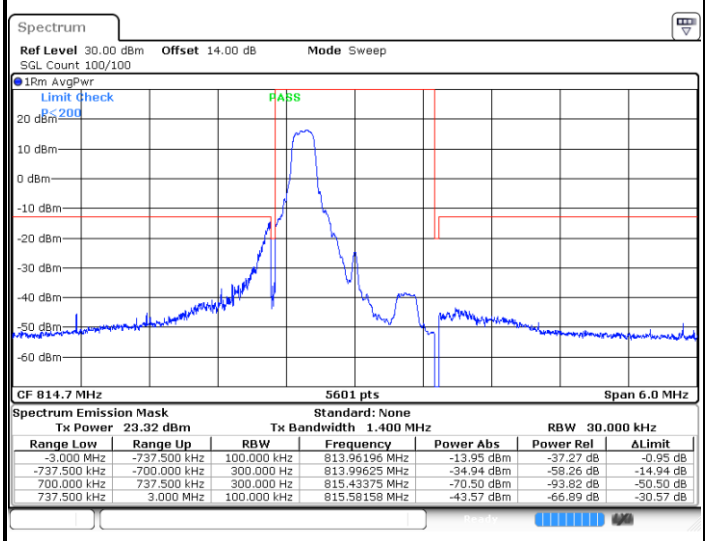
Lowest Band Edge / Full RB	Highest Band Edge / Full RB



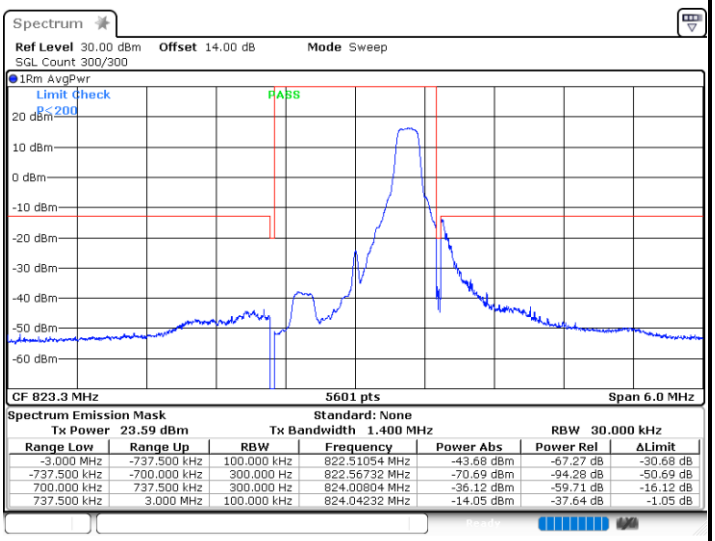


LTE Band 26 / 1.4MHz / 16QAM

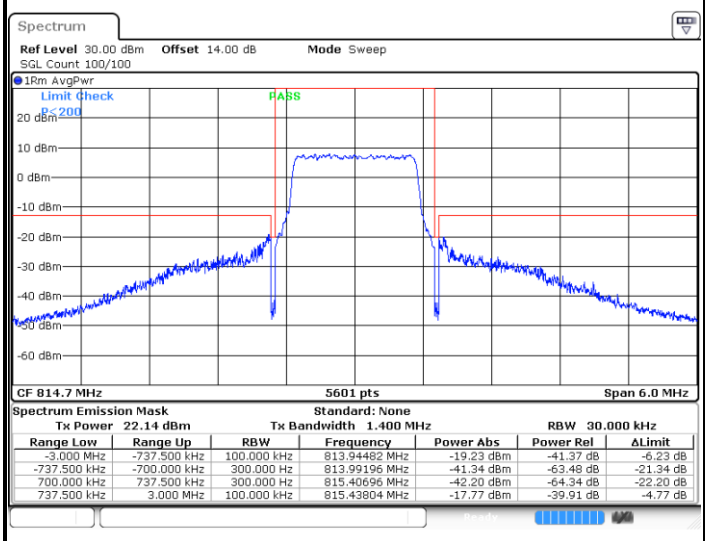
Lowest Band Edge / 1 RB



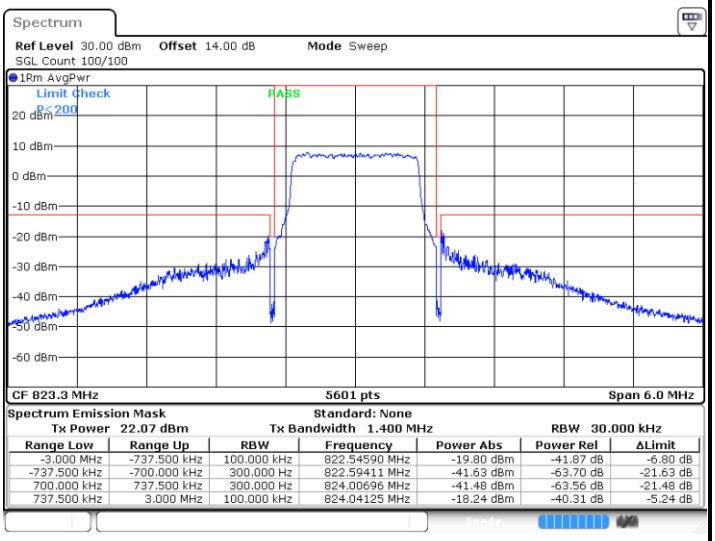
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

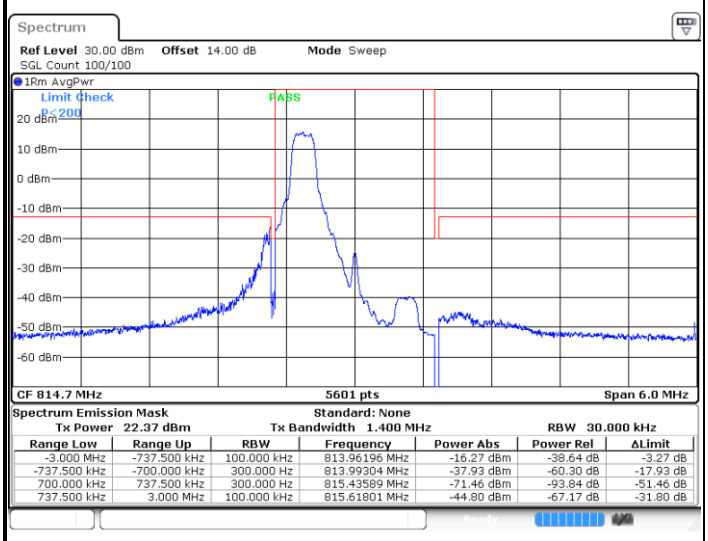


Highest Band Edge / Full RB



LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

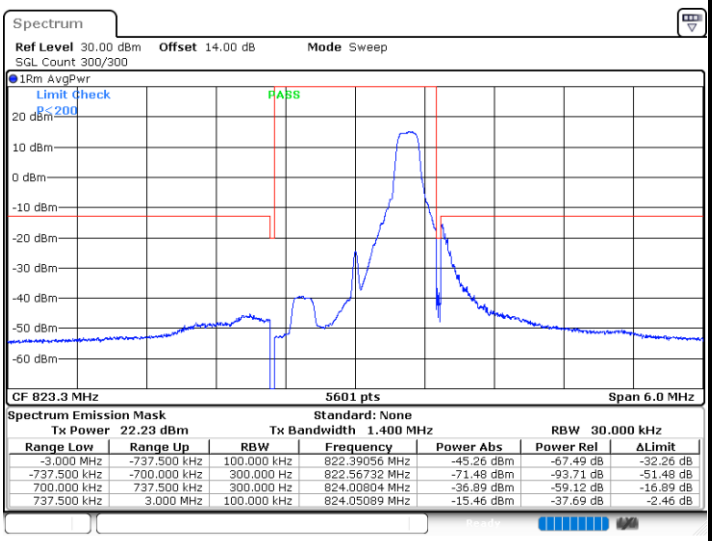


Spectrum Emission Mask Standard: None
Tx Power 22.37 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	813.96196 MHz	-16.27 dBm	-38.64 dB	-3.27 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99304 MHz	-37.93 dBm	-60.30 dB	-17.93 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.43589 MHz	-71.46 dBm	-93.84 dB	-51.46 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.61801 MHz	-44.80 dBm	-67.17 dB	-31.80 dB

Date: 18.SEP.2025 21:51:43

Highest Band Edge / 1 RB

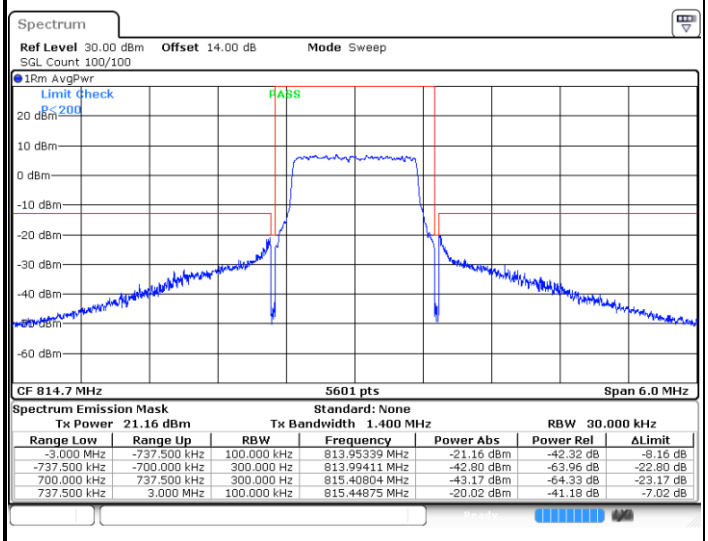


Spectrum Emission Mask Standard: None
Tx Power 22.23 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.39056 MHz	-45.26 dBm	-67.49 dB	-32.26 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.56732 MHz	-71.48 dBm	-93.71 dB	-51.48 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00804 MHz	-36.89 dBm	-59.12 dB	-16.89 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.05089 MHz	-15.46 dBm	-37.69 dB	-2.46 dB

Date: 22.SEP.2025 15:38:00

Lowest Band Edge / Full RB

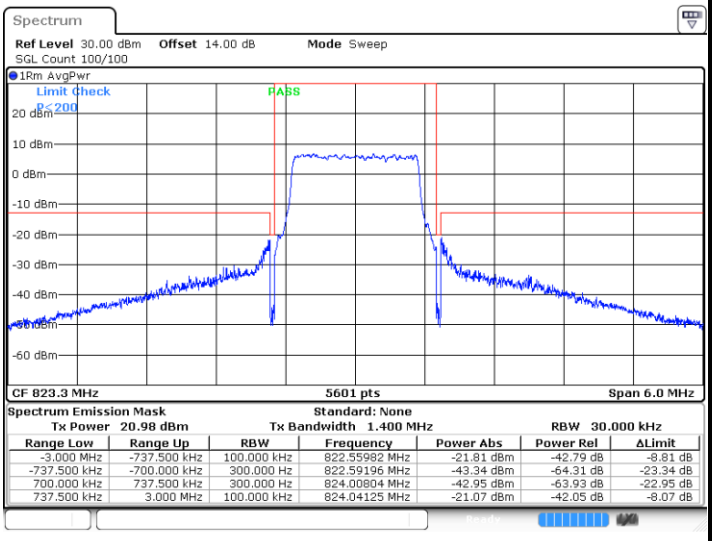


Spectrum Emission Mask Standard: None
Tx Power 21.16 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	813.95339 MHz	-21.16 dBm	-42.32 dB	-8.16 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99411 MHz	-42.80 dBm	-63.96 dB	-22.80 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40804 MHz	-43.17 dBm	-64.33 dB	-23.17 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.44875 MHz	-20.02 dBm	-41.18 dB	-7.02 dB

Date: 18.SEP.2025 21:52:26

Highest Band Edge / Full RB



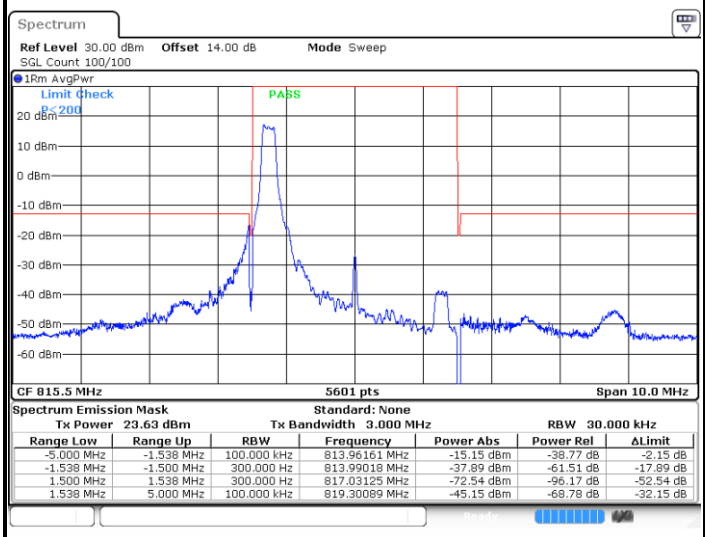
Spectrum Emission Mask Standard: None
Tx Power 20.98 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.55982 MHz	-21.81 dBm	-42.79 dB	-8.81 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59196 MHz	-43.34 dBm	-64.31 dB	-23.34 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00804 MHz	-42.95 dBm	-63.93 dB	-22.95 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.04125 MHz	-21.07 dBm	-42.05 dB	-8.07 dB

Date: 18.SEP.2025 21:56:44

LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB

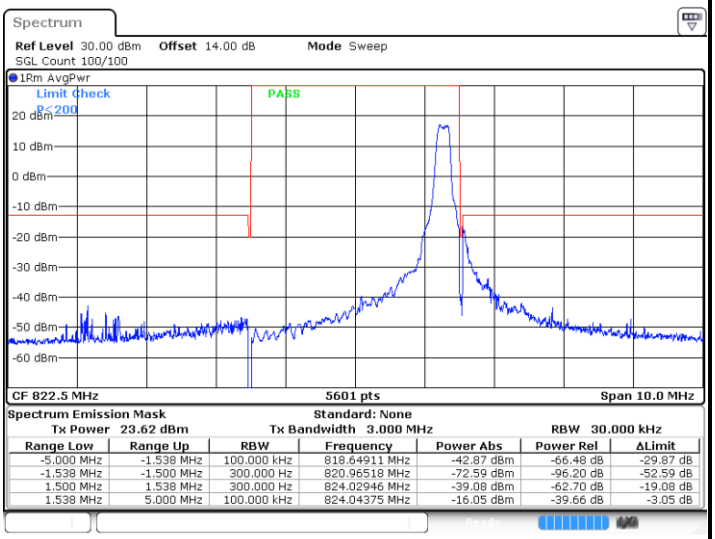


Spectrum Emission Mask Standard: None
Tx Power 23.63 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.96161 MHz	-15.15 dBm	-38.77 dB	-2.15 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99018 MHz	-37.89 dBm	-61.51 dB	-17.89 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.03125 MHz	-72.54 dBm	-96.17 dB	-52.54 dB
1.538 MHz	5.000 MHz	100.000 kHz	819.30089 MHz	-45.15 dBm	-68.78 dB	-32.15 dB

Date: 18.SEP.2025 21:58:58

Highest Band Edge / 1RB

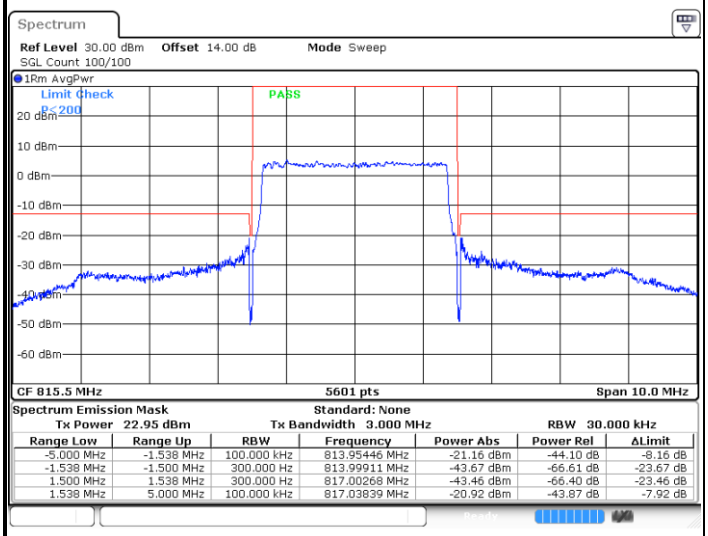


Spectrum Emission Mask Standard: None
Tx Power 23.62 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	818.64911 MHz	-42.87 dBm	-66.48 dB	-29.87 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.96518 MHz	-72.59 dBm	-96.20 dB	-52.59 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.02946 MHz	-39.08 dBm	-62.70 dB	-19.08 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04375 MHz	-16.05 dBm	-39.66 dB	-3.05 dB

Date: 18.SEP.2025 22:03:16

Lowest Band Edge / Full RB

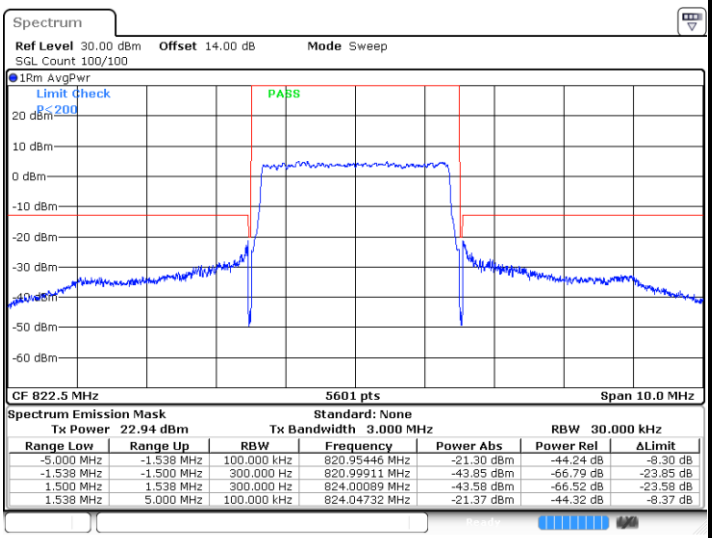


Spectrum Emission Mask Standard: None
Tx Power 22.95 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.95446 MHz	-21.16 dBm	-44.10 dB	-8.16 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-43.67 dBm	-66.61 dB	-23.67 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-43.46 dBm	-66.40 dB	-23.46 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.03839 MHz	-20.92 dBm	-43.87 dB	-7.92 dB

Date: 18.SEP.2025 22:02:33

Highest Band Edge / Full RB



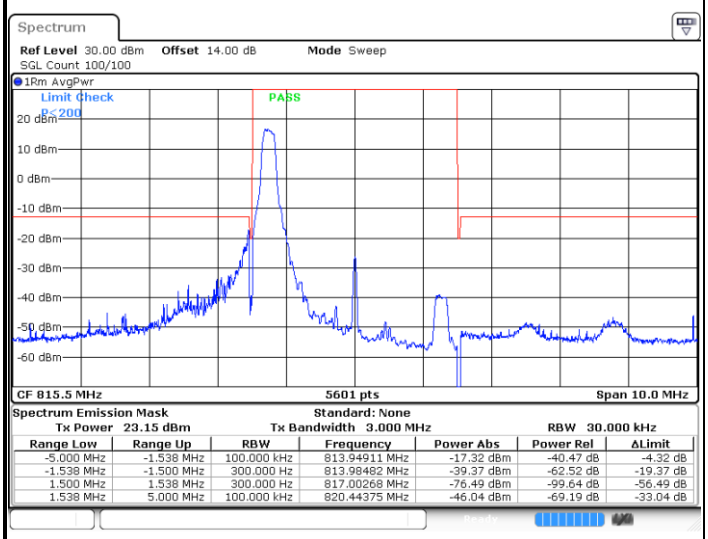
Spectrum Emission Mask Standard: None
Tx Power 22.94 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.95446 MHz	-21.30 dBm	-44.24 dB	-8.30 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99911 MHz	-43.85 dBm	-66.79 dB	-23.85 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00089 MHz	-43.58 dBm	-66.52 dB	-23.58 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04732 MHz	-21.37 dBm	-44.32 dB	-8.37 dB

Date: 18.SEP.2025 22:06:52

LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

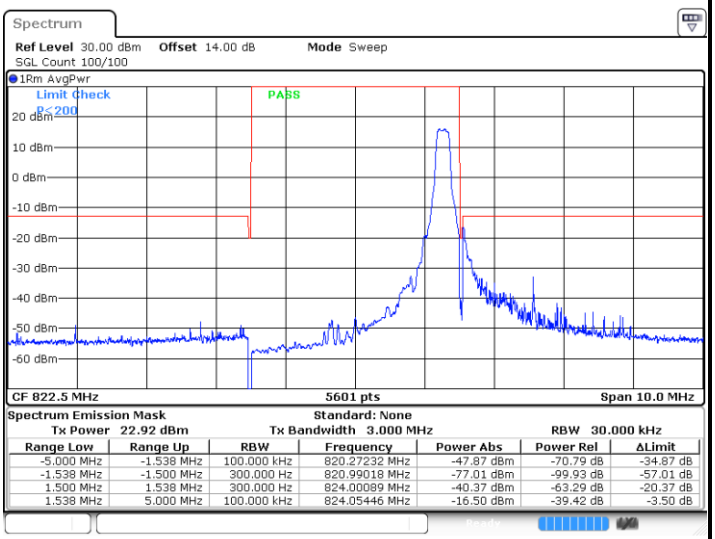


Spectrum Emission Mask Standard: None
Tx Power 23.15 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.94911 MHz	-17.32 dBm	-40.47 dB	-4.32 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.98482 MHz	-39.37 dBm	-62.52 dB	-19.37 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-76.49 dBm	-99.64 dB	-56.49 dB
1.538 MHz	5.000 MHz	100.000 kHz	820.44375 MHz	-46.04 dBm	-69.19 dB	-33.04 dB

Date: 18.SEP.2025 21:59:41

Highest Band Edge / 1 RB

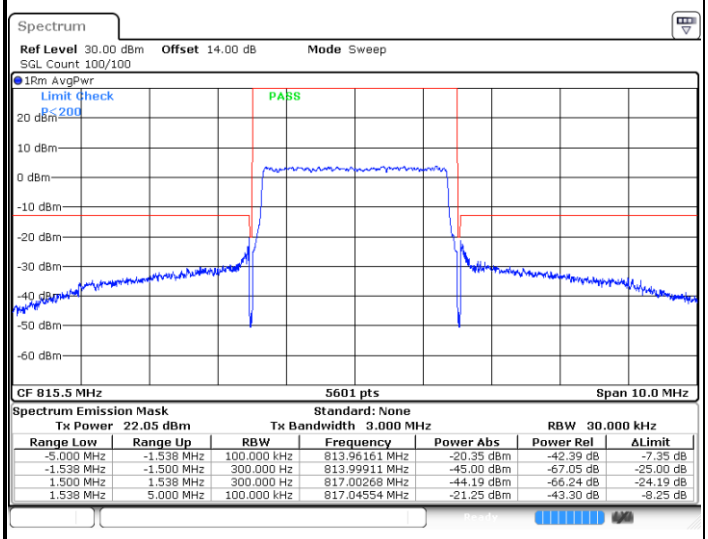


Spectrum Emission Mask Standard: None
Tx Power 22.92 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.27232 MHz	-47.87 dBm	-70.79 dB	-34.87 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99018 MHz	-77.01 dBm	-99.93 dB	-57.01 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00089 MHz	-40.37 dBm	-63.29 dB	-20.37 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.05446 MHz	-16.50 dBm	-39.42 dB	-3.50 dB

Date: 18.SEP.2025 22:03:59

Lowest Band Edge / Full RB

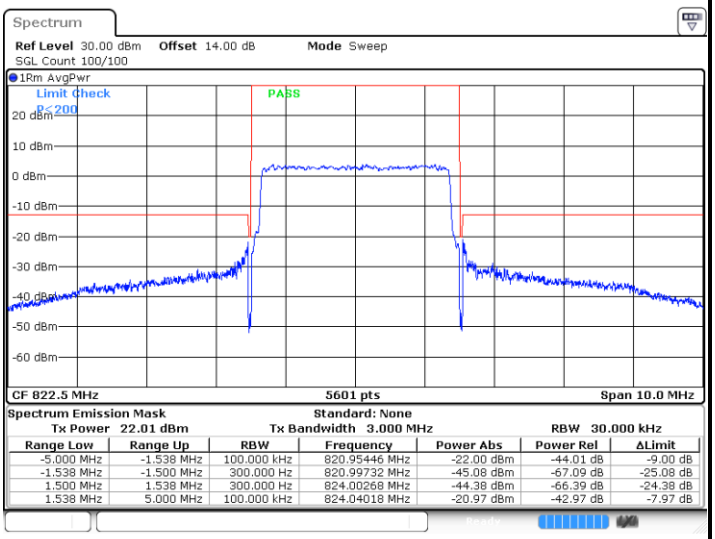


Spectrum Emission Mask Standard: None
Tx Power 22.05 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.96161 MHz	-20.35 dBm	-42.39 dB	-7.35 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-45.00 dBm	-67.05 dB	-25.00 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-44.19 dBm	-66.24 dB	-24.19 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04554 MHz	-21.25 dBm	-43.30 dB	-8.25 dB

Date: 18.SEP.2025 22:01:50

Highest Band Edge / Full RB



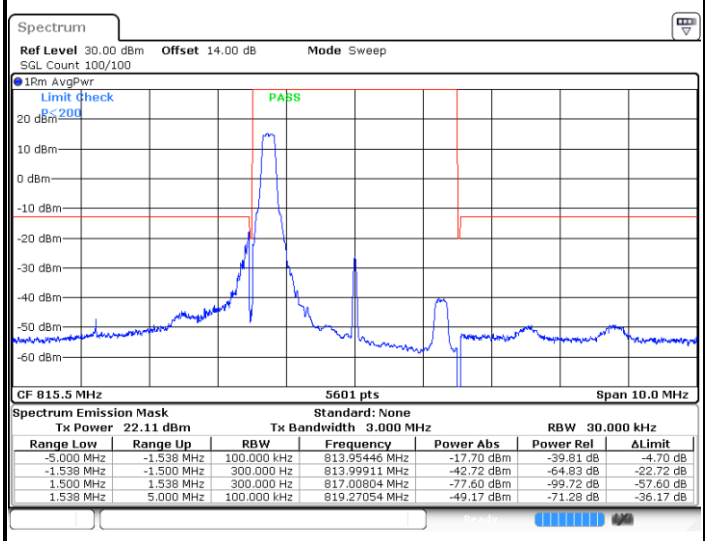
Spectrum Emission Mask Standard: None
Tx Power 22.01 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.95446 MHz	-22.00 dBm	-44.01 dB	-9.00 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99732 MHz	-45.08 dBm	-67.09 dB	-25.08 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00268 MHz	-44.38 dBm	-66.39 dB	-24.38 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04018 MHz	-20.97 dBm	-42.97 dB	-7.97 dB

Date: 18.SEP.2025 22:06:09

LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

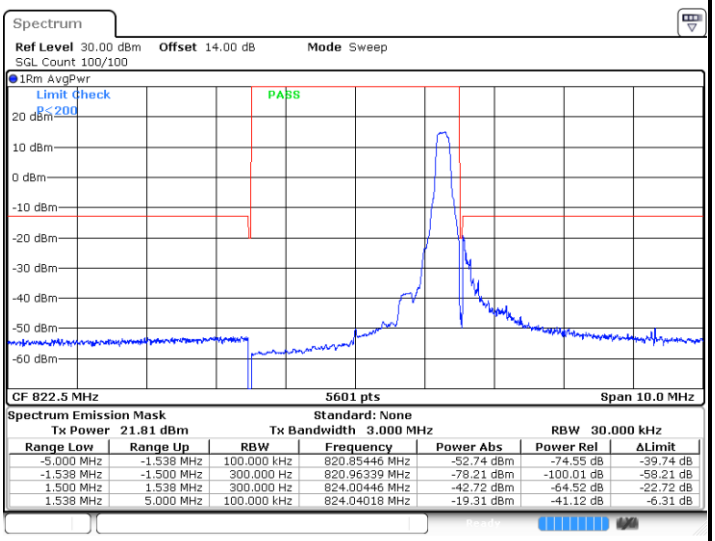


Spectrum Emission Mask Standard: None
Tx Power 22.11 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.95446 MHz	-17.70 dBm	-39.81 dB	-4.70 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-42.72 dBm	-64.83 dB	-22.72 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00804 MHz	-77.60 dBm	-99.72 dB	-57.60 dB
1.538 MHz	5.000 MHz	100.000 kHz	819.27054 MHz	-49.17 dBm	-71.28 dB	-36.17 dB

Date: 18.SEP.2025 22:00:24

Highest Band Edge / 1 RB

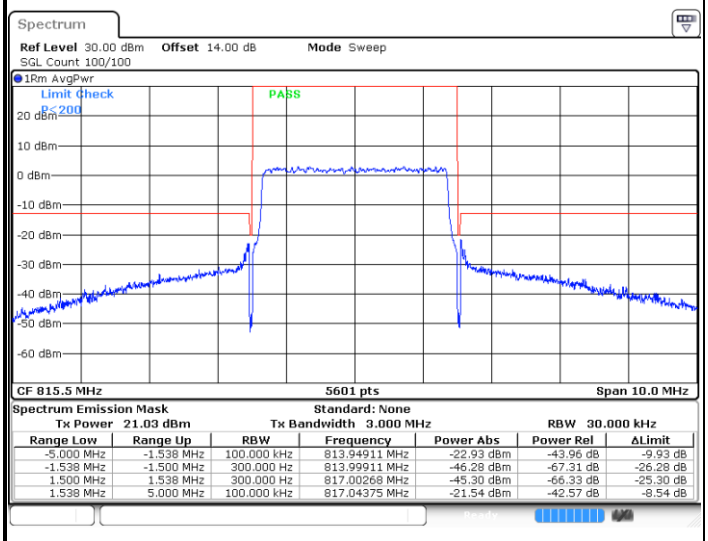


Spectrum Emission Mask Standard: None
Tx Power 21.81 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.85446 MHz	-52.74 dBm	-74.55 dB	-39.74 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.96339 MHz	-78.21 dBm	-100.01 dB	-58.21 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00446 MHz	-42.72 dBm	-64.52 dB	-22.72 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04018 MHz	-19.31 dBm	-41.12 dB	-6.31 dB

Date: 18.SEP.2025 22:04:42

Lowest Band Edge / Full RB

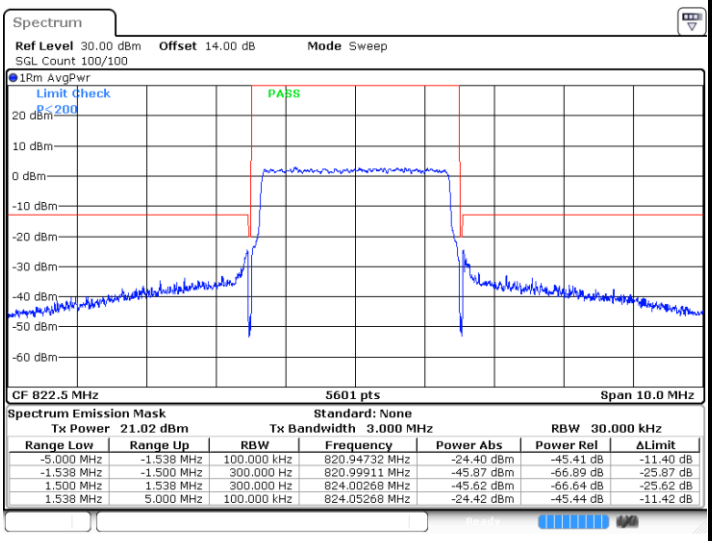


Spectrum Emission Mask Standard: None
Tx Power 21.03 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.94911 MHz	-22.93 dBm	-43.96 dB	-9.93 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-46.28 dBm	-67.31 dB	-26.28 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-45.30 dBm	-66.33 dB	-25.30 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04375 MHz	-21.54 dBm	-42.57 dB	-8.54 dB

Date: 18.SEP.2025 22:01:07

Highest Band Edge / Full RB



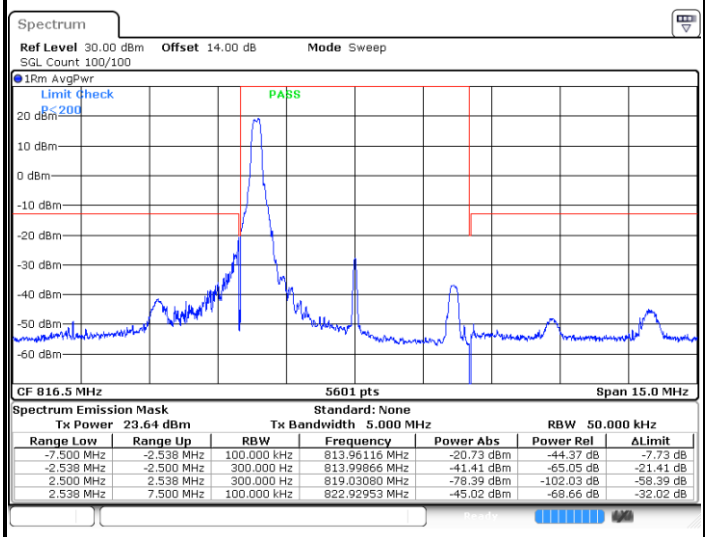
Spectrum Emission Mask Standard: None
Tx Power 21.02 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.94732 MHz	-24.40 dBm	-45.41 dB	-11.40 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99911 MHz	-45.87 dBm	-66.89 dB	-25.87 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00268 MHz	-45.62 dBm	-66.64 dB	-25.62 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.05268 MHz	-24.42 dBm	-45.44 dB	-11.42 dB

Date: 18.SEP.2025 22:05:26

LTE Band 26 / 5MHz / QPSK

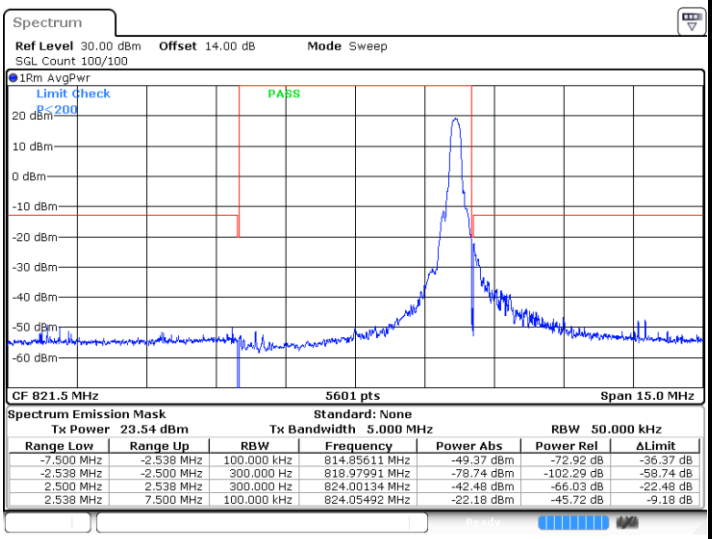
Lowest Band Edge / 1RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.96116 MHz	-20.73 dBm	-44.37 dB	-7.73 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99866 MHz	-41.41 dBm	-65.05 dB	-21.41 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.03080 MHz	-78.39 dBm	-102.03 dB	-58.39 dB
2.538 MHz	7.500 MHz	100.000 kHz	822.92953 MHz	-45.02 dBm	-68.66 dB	-32.02 dB

Date: 18.SEP.2025 22:07:40

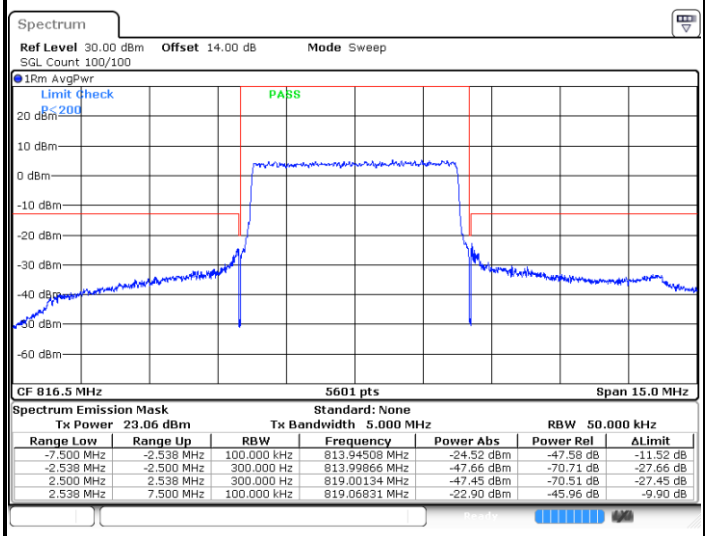
Highest Band Edge / 1RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	814.85611 MHz	-49.37 dBm	-72.92 dB	-36.37 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.97991 MHz	-78.74 dBm	-102.29 dB	-58.74 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00134 MHz	-42.48 dBm	-66.03 dB	-22.48 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.05492 MHz	-22.18 dBm	-45.72 dB	-9.18 dB

Date: 18.SEP.2025 22:11:58

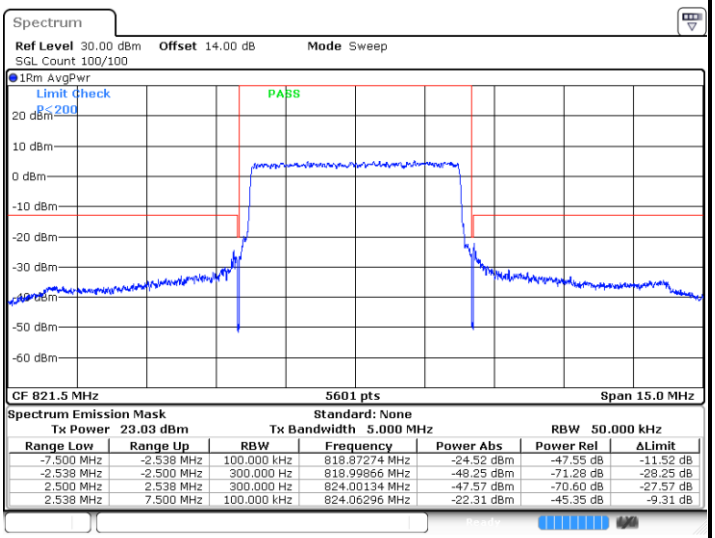
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.94508 MHz	-24.52 dBm	-47.58 dB	-11.52 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99866 MHz	-47.66 dBm	-70.71 dB	-27.66 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00134 MHz	-47.45 dBm	-70.51 dB	-27.45 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.06831 MHz	-22.90 dBm	-45.96 dB	-9.90 dB

Date: 18.SEP.2025 22:11:14

Highest Band Edge / Full RB

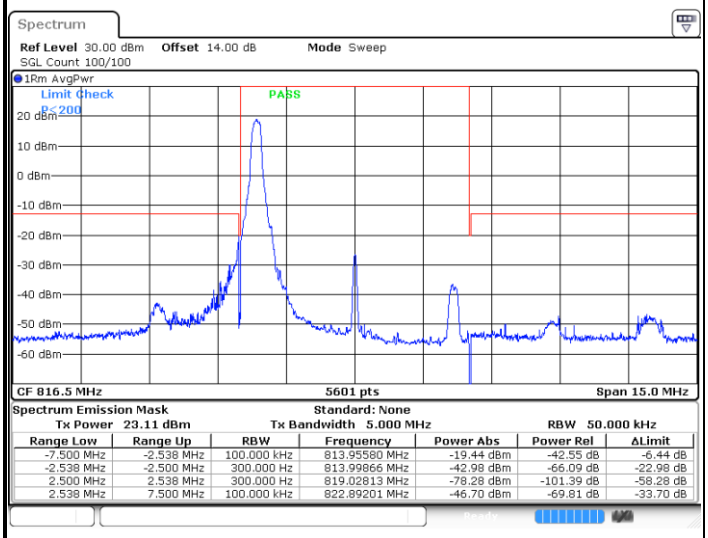


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.87274 MHz	-24.52 dBm	-47.55 dB	-11.52 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99866 MHz	-48.25 dBm	-71.28 dB	-28.25 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00134 MHz	-47.57 dBm	-70.60 dB	-27.57 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.06296 MHz	-22.31 dBm	-45.35 dB	-9.31 dB

Date: 18.SEP.2025 22:15:33

LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

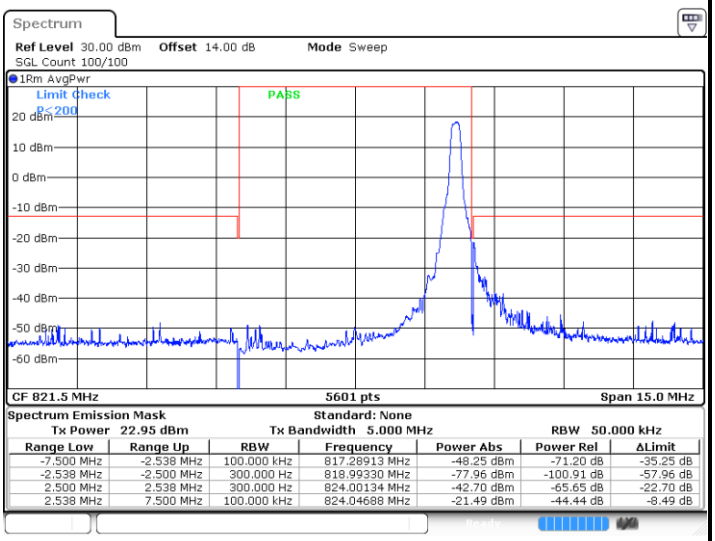


Spectrum Emission Mask Standard: None
Tx Power 23.11 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.95580 MHz	-19.44 dBm	-42.55 dB	-6.44 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99866 MHz	-42.98 dBm	-66.09 dB	-22.98 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.02813 MHz	-78.28 dBm	-101.39 dB	-58.28 dB
2.538 MHz	7.500 MHz	100.000 kHz	822.89201 MHz	-46.70 dBm	-69.81 dB	-33.70 dB

Date: 18.SEP.2025 22:08:23

Highest Band Edge / 1 RB

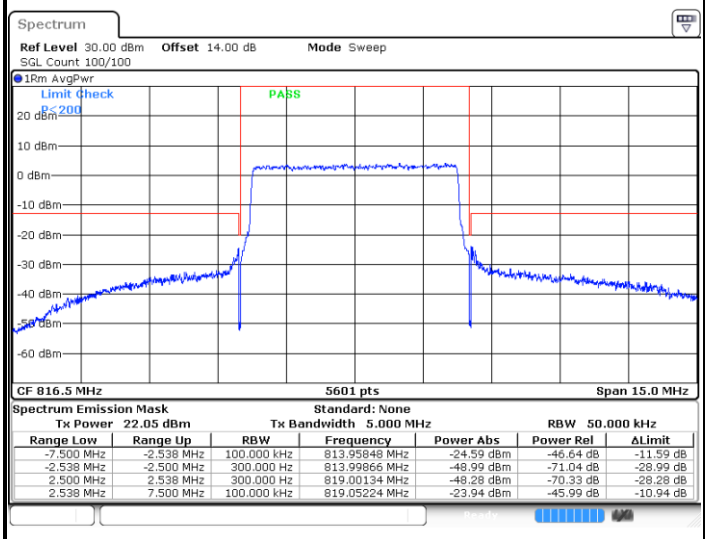


Spectrum Emission Mask Standard: None
Tx Power 22.95 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	817.28913 MHz	-48.25 dBm	-71.20 dB	-35.25 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99330 MHz	-77.96 dBm	-100.91 dB	-57.96 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00134 MHz	-42.70 dBm	-65.65 dB	-22.70 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.04688 MHz	-21.49 dBm	-44.44 dB	-8.49 dB

Date: 18.SEP.2025 22:12:41

Lowest Band Edge / Full RB

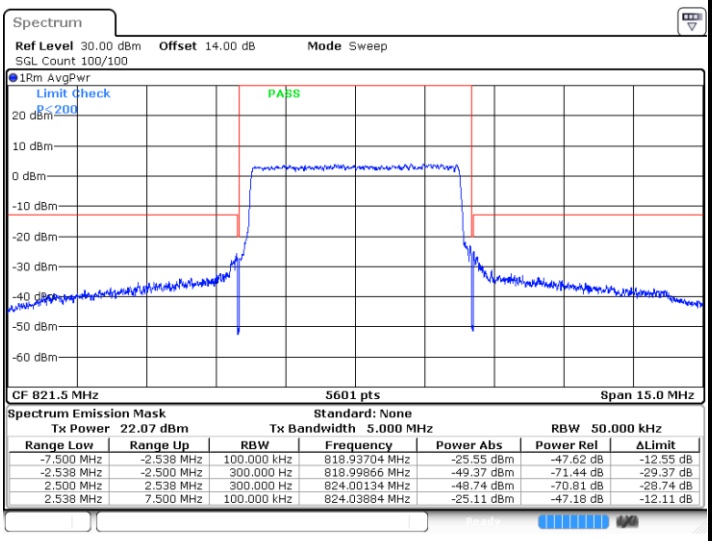


Spectrum Emission Mask Standard: None
Tx Power 22.05 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.95848 MHz	-24.59 dBm	-46.64 dB	-11.59 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99866 MHz	-48.99 dBm	-71.04 dB	-28.99 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00134 MHz	-48.28 dBm	-70.33 dB	-28.28 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.05224 MHz	-23.94 dBm	-45.99 dB	-10.94 dB

Date: 18.SEP.2025 22:10:31

Highest Band Edge / Full RB



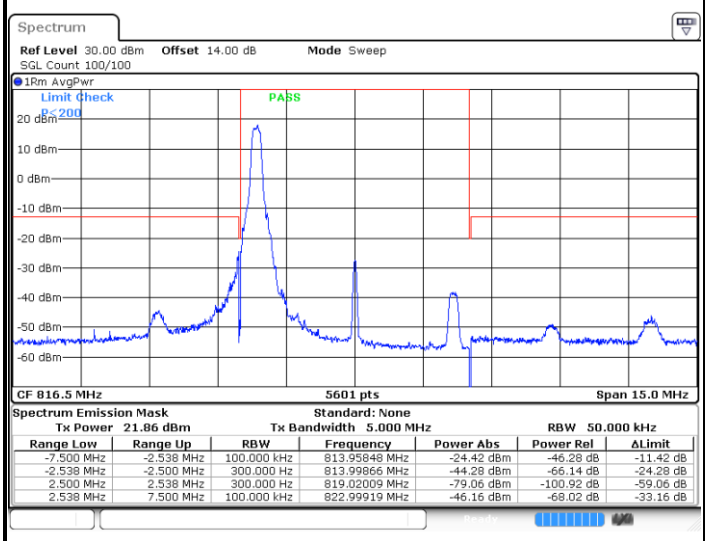
Spectrum Emission Mask Standard: None
Tx Power 22.07 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.93704 MHz	-25.55 dBm	-47.62 dB	-12.55 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99866 MHz	-49.37 dBm	-71.44 dB	-29.37 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00134 MHz	-48.74 dBm	-70.81 dB	-28.74 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.03884 MHz	-25.11 dBm	-47.18 dB	-12.11 dB

Date: 18.SEP.2025 22:14:50

LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

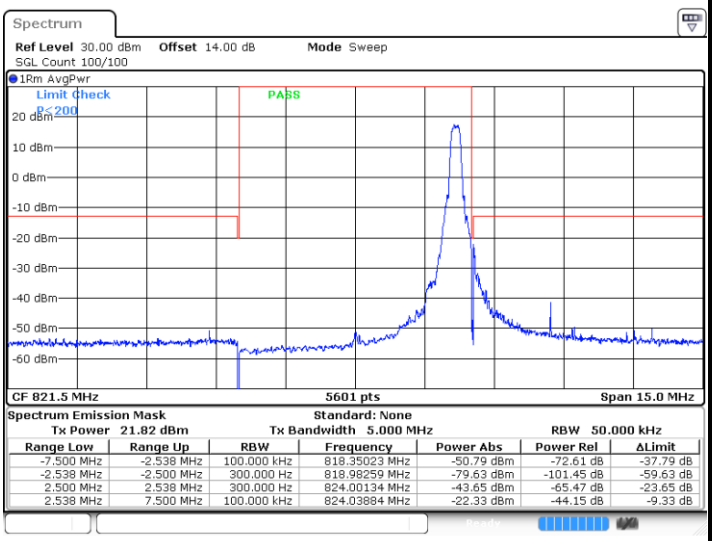


Spectrum Emission Mask Standard: None
Tx Power 21.86 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.95848 MHz	-24.42 dBm	-46.28 dB	-11.42 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99866 MHz	-44.28 dBm	-66.14 dB	-24.28 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.02009 MHz	-79.06 dBm	-100.92 dB	-59.06 dB
2.538 MHz	7.500 MHz	100.000 kHz	822.99919 MHz	-46.16 dBm	-68.02 dB	-33.16 dB

Date: 18.SEP.2025 22:09:06

Highest Band Edge / 1 RB

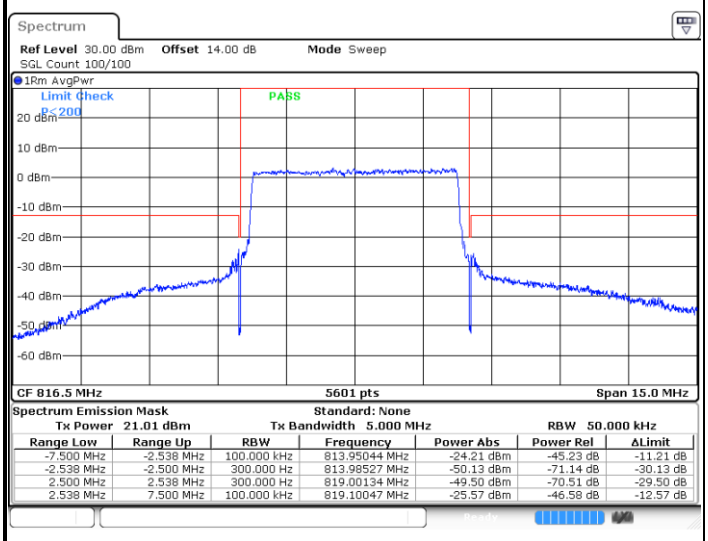


Spectrum Emission Mask Standard: None
Tx Power 21.82 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.35023 MHz	-50.79 dBm	-72.61 dB	-37.79 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.98259 MHz	-79.63 dBm	-101.45 dB	-59.63 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00134 MHz	-43.65 dBm	-65.47 dB	-23.65 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.03884 MHz	-22.33 dBm	-44.15 dB	-9.33 dB

Date: 18.SEP.2025 22:13:24

Lowest Band Edge / Full RB

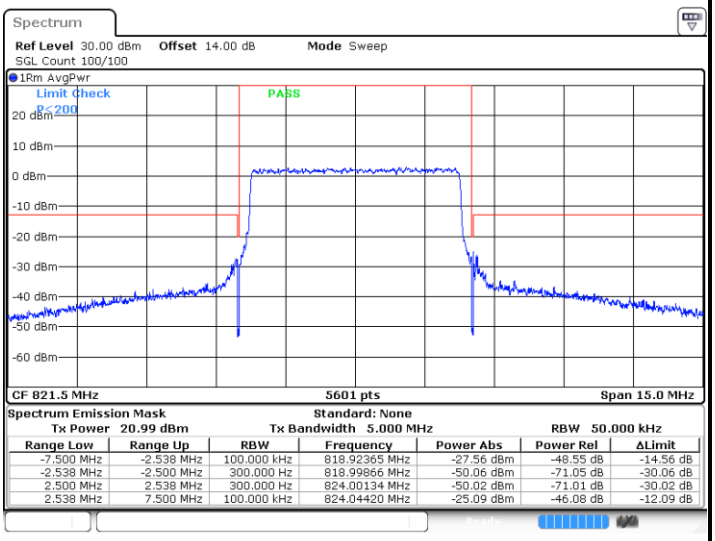


Spectrum Emission Mask Standard: None
Tx Power 21.01 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	813.95044 MHz	-24.21 dBm	-45.23 dB	-11.21 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.98527 MHz	-50.13 dBm	-71.14 dB	-30.13 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00134 MHz	-49.50 dBm	-70.51 dB	-29.50 dB
2.538 MHz	7.500 MHz	100.000 kHz	819.10047 MHz	-25.57 dBm	-46.58 dB	-12.57 dB

Date: 18.SEP.2025 22:09:49

Highest Band Edge / Full RB



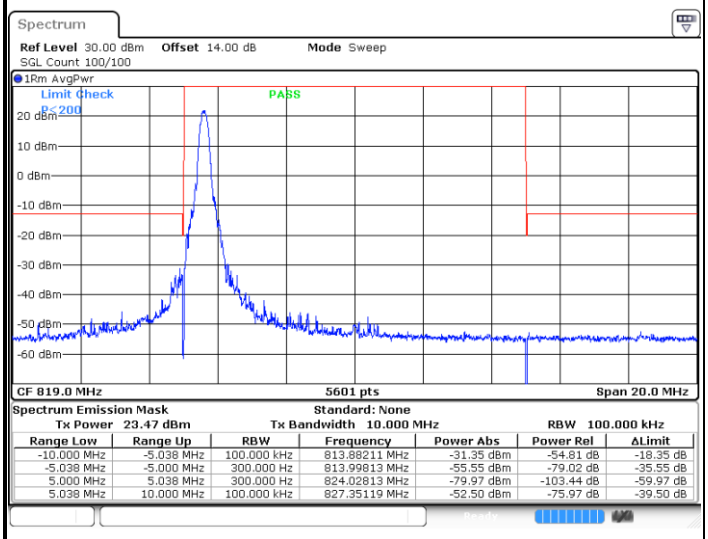
Spectrum Emission Mask Standard: None
Tx Power 20.99 dBm Tx Bandwidth 5.000 MHz RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-7.500 MHz	-2.538 MHz	100.000 kHz	818.92365 MHz	-27.56 dBm	-48.55 dB	-14.56 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99866 MHz	-50.06 dBm	-71.05 dB	-30.06 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00134 MHz	-50.02 dBm	-71.01 dB	-30.02 dB
2.538 MHz	7.500 MHz	100.000 kHz	824.04420 MHz	-25.09 dBm	-46.08 dB	-12.09 dB

Date: 18.SEP.2025 22:14:07

LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1RB

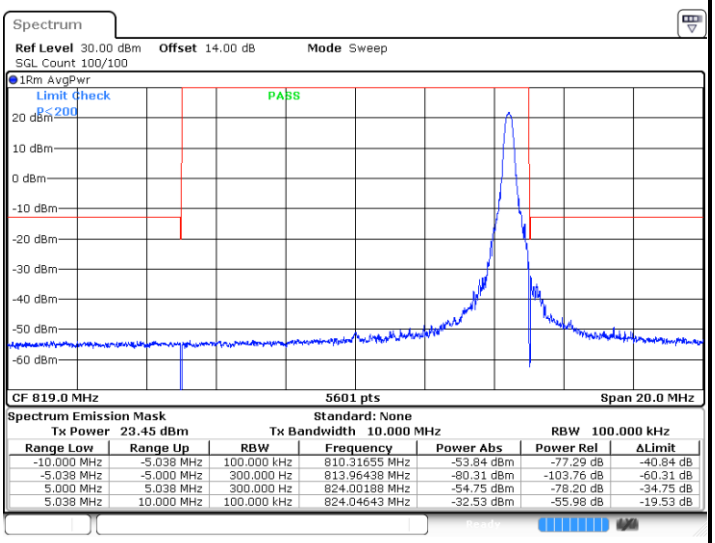


Spectrum Emission Mask Standard: None
Tx Power 23.47 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.88211 MHz	-31.35 dBm	-54.81 dB	-18.35 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-55.55 dBm	-79.02 dB	-35.55 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.02813 MHz	-79.97 dBm	-103.44 dB	-59.97 dB
5.038 MHz	10.000 MHz	100.000 kHz	827.35119 MHz	-52.50 dBm	-75.97 dB	-39.50 dB

Date: 18.SEP.2025 22:16:21

Lowest Band Edge / 1RB

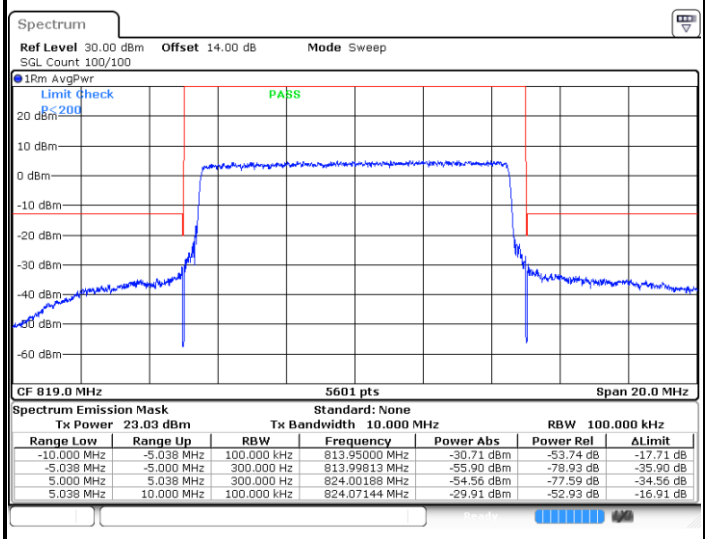


Spectrum Emission Mask Standard: None
Tx Power 23.45 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	810.31655 MHz	-53.84 dBm	-77.29 dB	-40.84 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.96438 MHz	-80.31 dBm	-103.76 dB	-60.31 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-54.75 dBm	-78.20 dB	-34.75 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.04643 MHz	-32.53 dBm	-55.98 dB	-19.53 dB

Date: 18.SEP.2025 22:19:56

Lowest Band Edge / Full RB



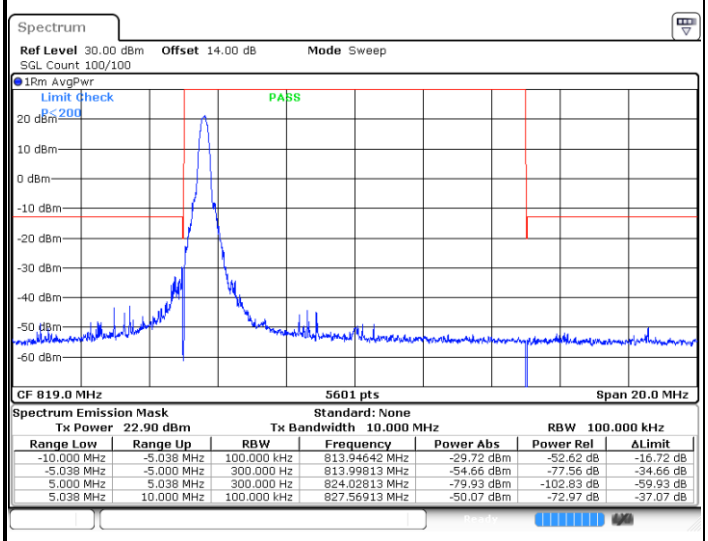
Spectrum Emission Mask Standard: None
Tx Power 23.03 dBm Tx Bandwidth 10.000 MHz RBW 100.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.95000 MHz	-30.71 dBm	-53.74 dB	-17.71 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-55.90 dBm	-78.93 dB	-35.90 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-54.56 dBm	-77.59 dB	-34.56 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.07144 MHz	-29.91 dBm	-52.93 dB	-16.91 dB

Date: 18.SEP.2025 22:20:39

LTE Band 26 / 10MHz / 16QAM

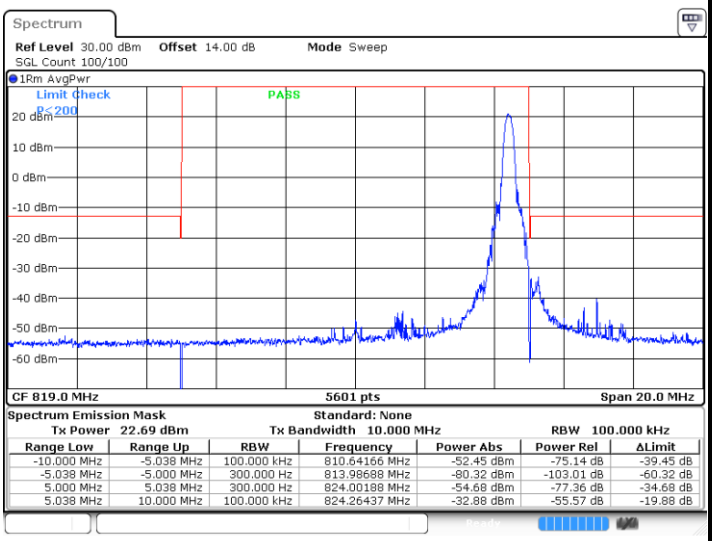
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.94642 MHz	-29.72 dBm	-52.62 dB	-16.72 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-54.66 dBm	-77.56 dB	-34.66 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.02813 MHz	-79.93 dBm	-102.83 dB	-59.93 dB
5.038 MHz	10.000 MHz	100.000 kHz	827.56913 MHz	-50.07 dBm	-72.97 dB	-37.07 dB

Date: 18.SEP.2025 22:17:04

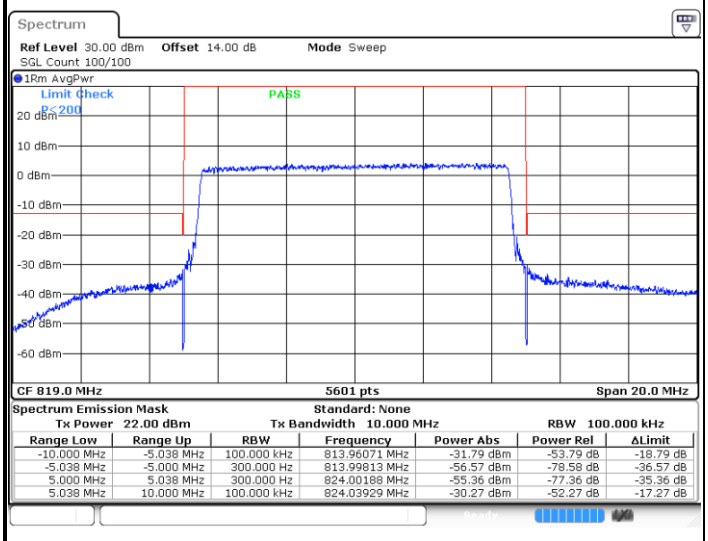
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	810.64166 MHz	-52.45 dBm	-75.14 dB	-39.45 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.98688 MHz	-80.32 dBm	-103.01 dB	-60.32 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-54.68 dBm	-77.36 dB	-34.68 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.26437 MHz	-32.88 dBm	-55.57 dB	-19.88 dB

Date: 18.SEP.2025 22:19:13

Lowest Band Edge / Full RB

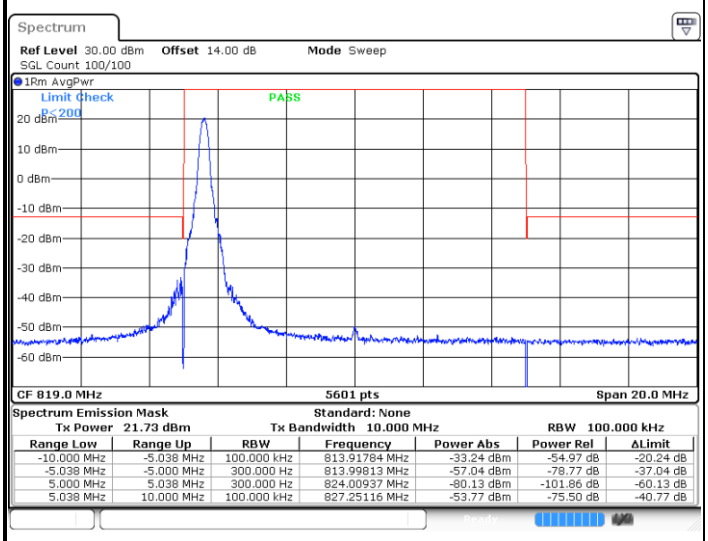


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.96071 MHz	-31.79 dBm	-53.79 dB	-18.79 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-56.57 dBm	-78.58 dB	-36.57 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-55.36 dBm	-77.36 dB	-35.36 dB
5.038 MHz	10.000 MHz	100.000 kHz	824.03929 MHz	-30.27 dBm	-52.27 dB	-17.27 dB

Date: 18.SEP.2025 22:21:22

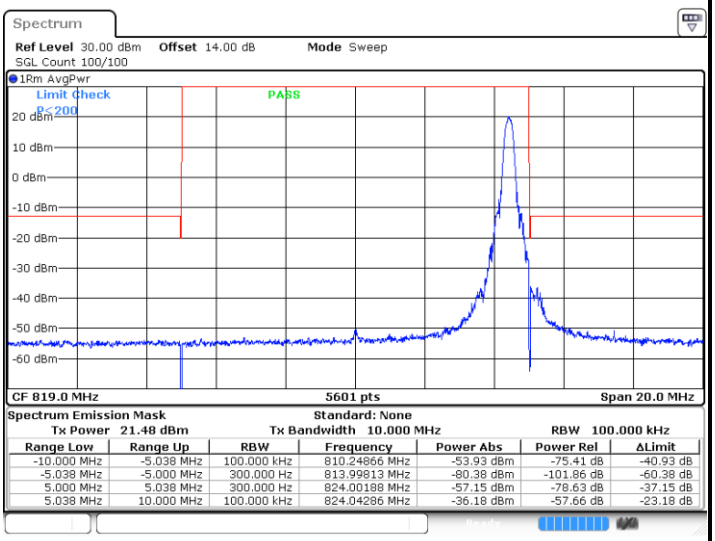
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



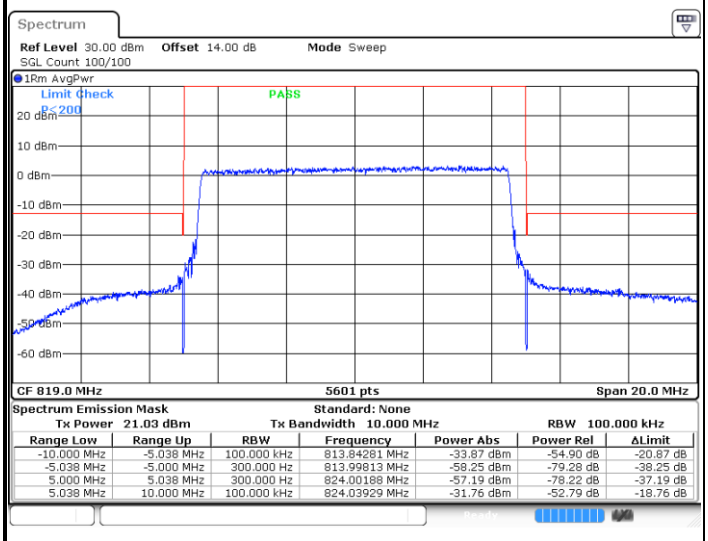
Date: 18.SEP.2025 22:17:47

Lowest Band Edge / 1 RB



Date: 18.SEP.2025 22:18:30

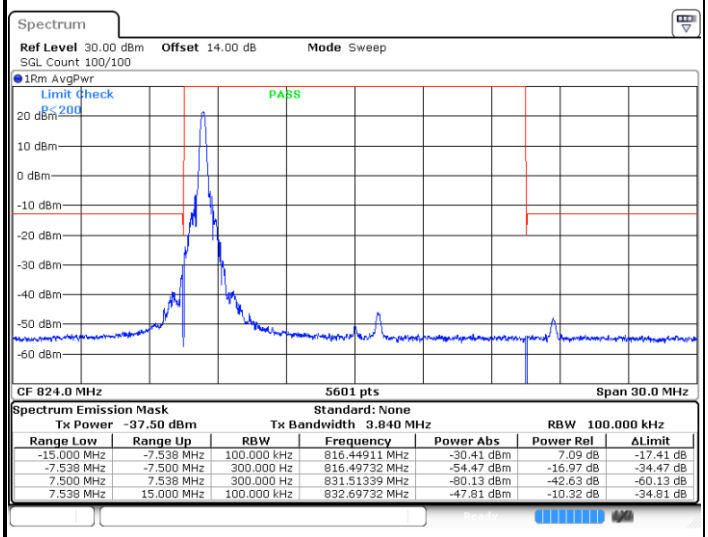
Lowest Band Edge / Full RB



Date: 18.SEP.2025 22:22:05

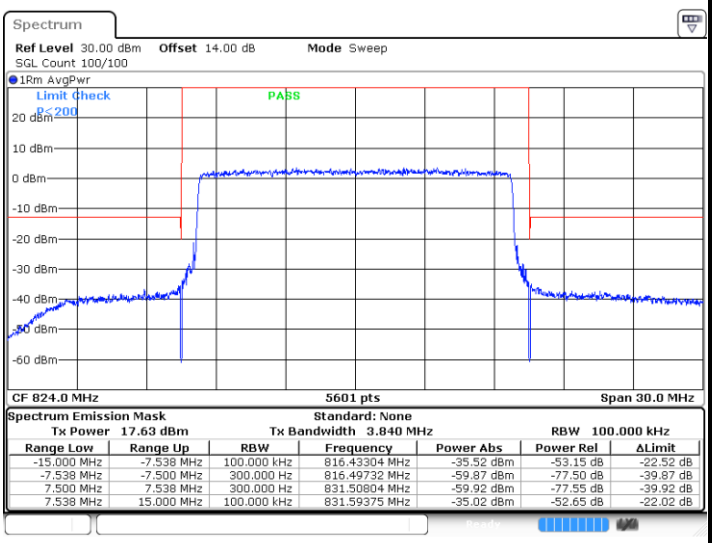
LTE Band 26 / 15MHz

Highest Band Edge / 1RB QPSK



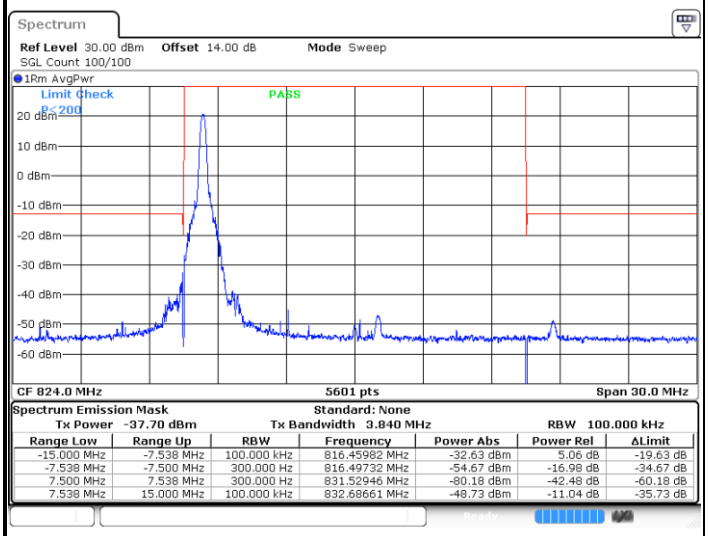
Date: 18.SEP.2025 22:26:26

Highest Band Edge / Full RB QPSK



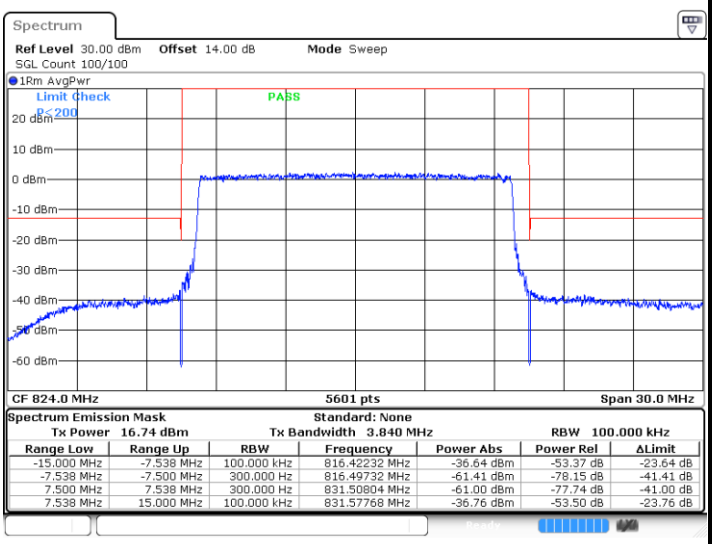
Date: 18.SEP.2025 22:22:53

Highest Band Edge / 1 RB 16QAM



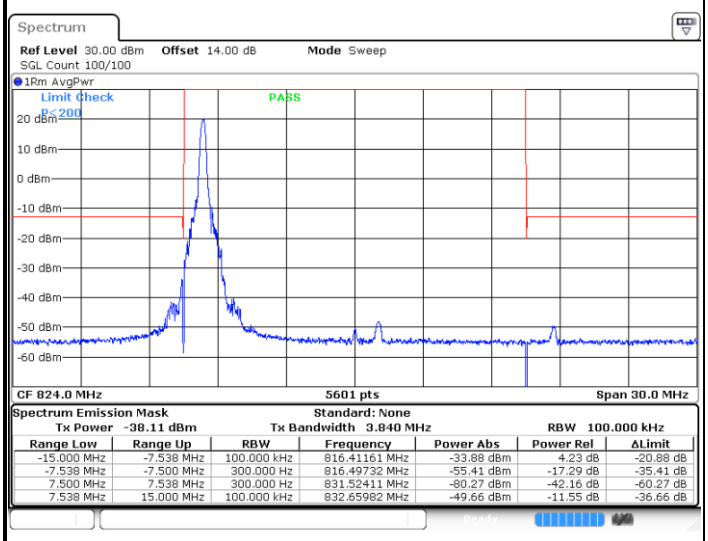
Date: 18.SEP.2025 22:25:44

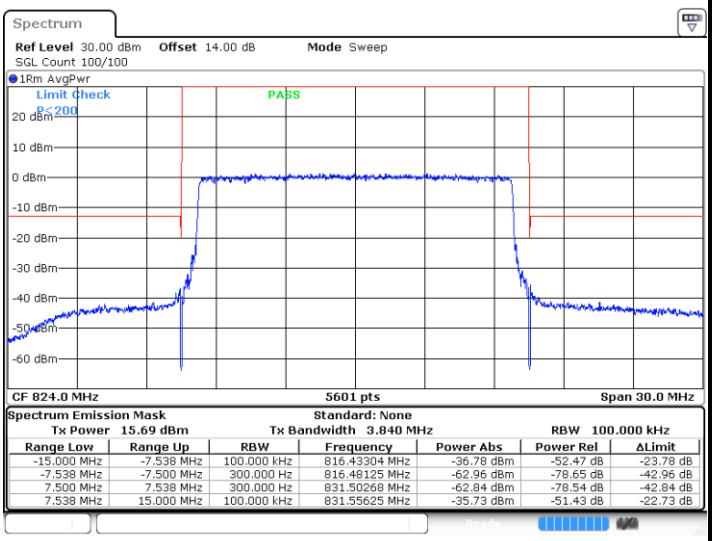
Highest Band Edge / Full RB 16QAM



Date: 18.SEP.2025 22:23:35

LTE Band 26 / 15MHz	
Highest Band Edge / 1 RB 64QAM	**Highest Band Edge / Full RB 64QAM**

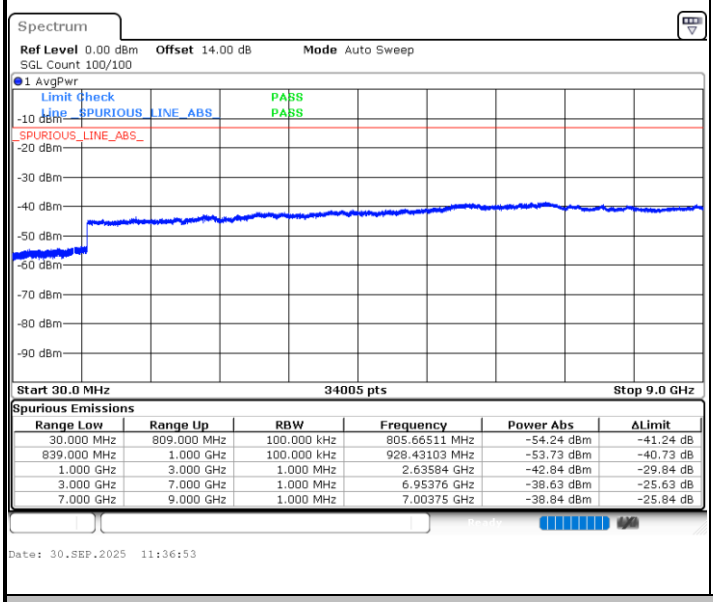




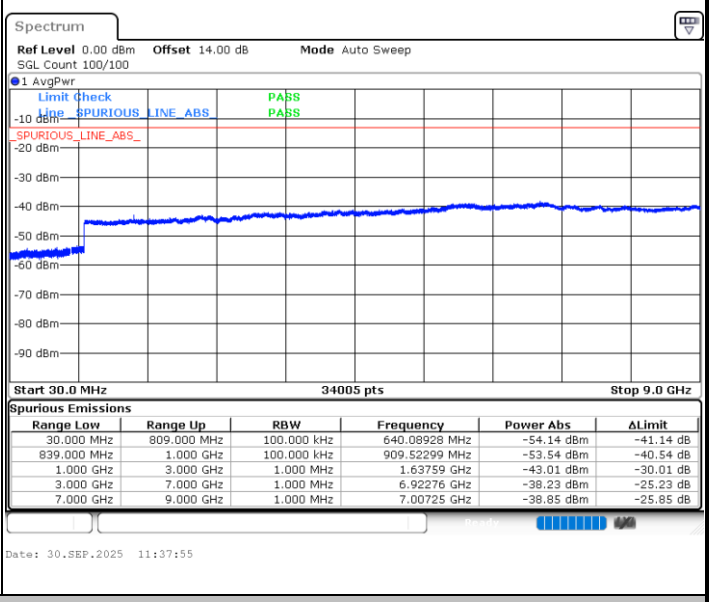
Emission masks – Out of band emissions

LTE Band 26 / 1.4MHz

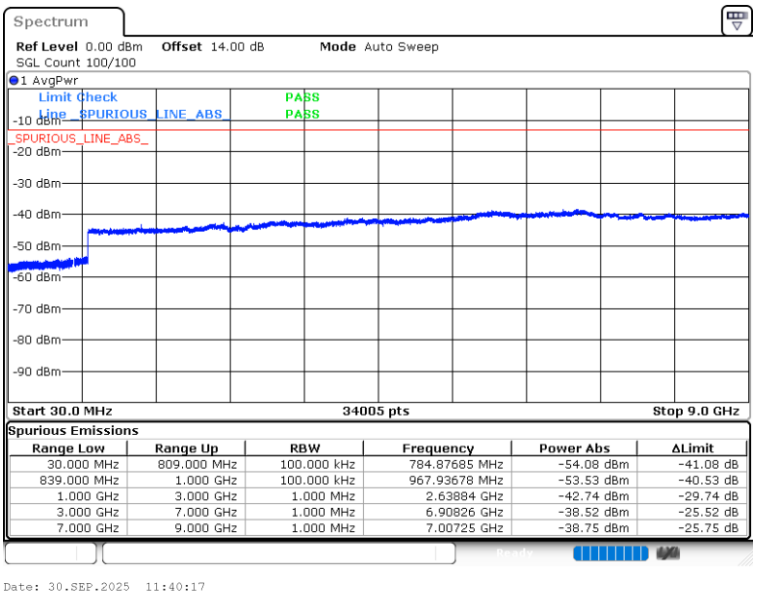
Lowest Channel / QPSK



Middle Channel / QPSK

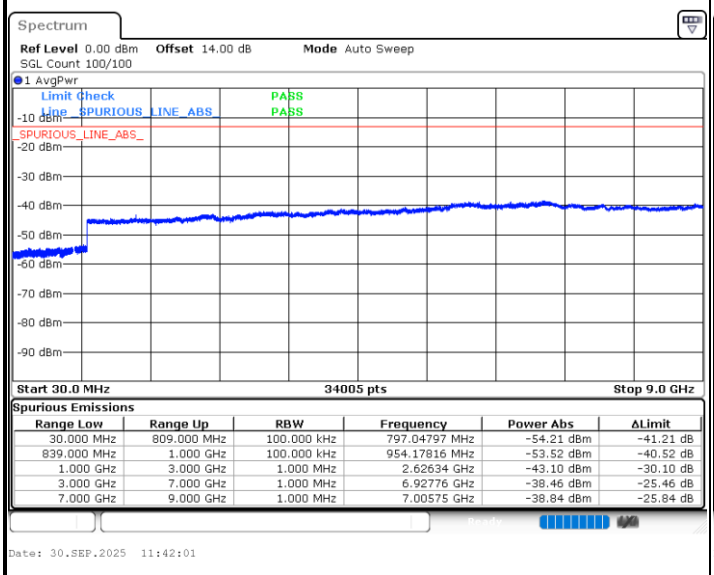


Highest Channel / QPSK



LTE Band 26 / 3MHz

Lowest Channel / QPSK

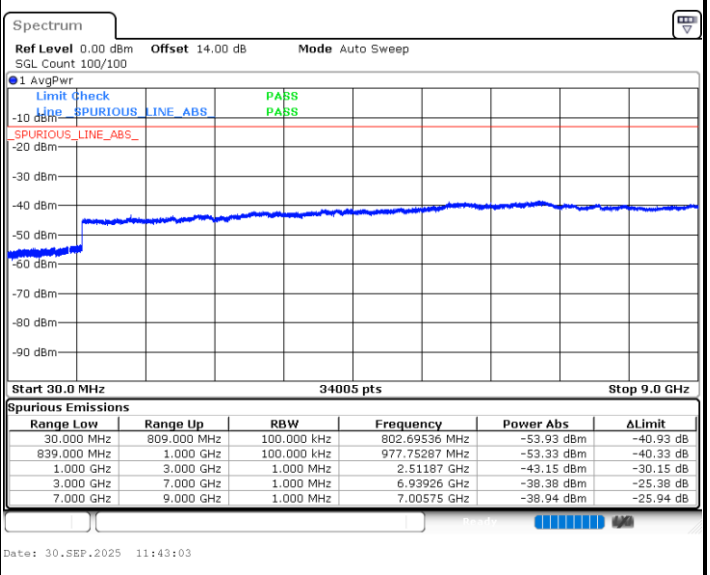


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	809.000 MHz	100.000 kHz	797.04797 MHz	-54.21 dBm	-41.21 dB
839.000 MHz	1.000 GHz	100.000 kHz	954.17816 MHz	-53.52 dBm	-40.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.62634 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92776 GHz	-38.46 dBm	-25.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00575 GHz	-38.84 dBm	-25.84 dB

Date: 30.SEP.2025 11:42:01

Middle Channel / QPSK

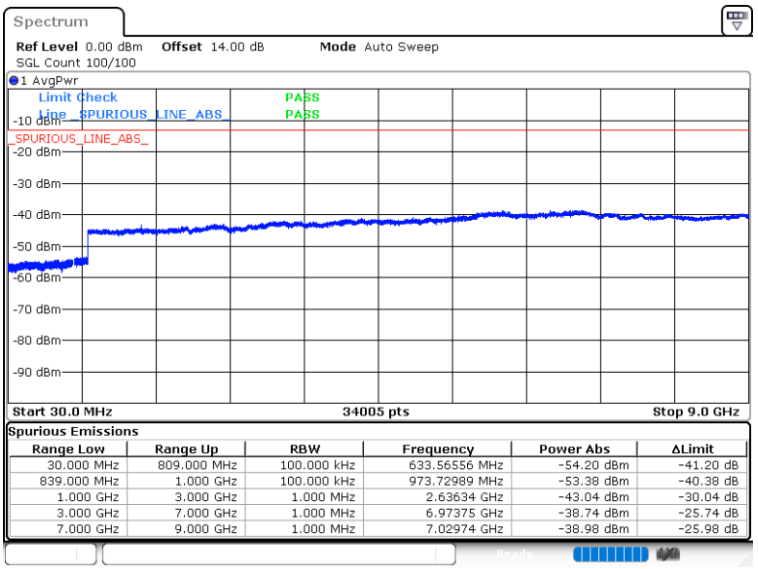


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	809.000 MHz	100.000 kHz	802.69536 MHz	-53.93 dBm	-40.93 dB
839.000 MHz	1.000 GHz	100.000 kHz	977.75287 MHz	-53.33 dBm	-40.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51187 GHz	-43.15 dBm	-30.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93926 GHz	-38.38 dBm	-25.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00575 GHz	-38.94 dBm	-25.94 dB

Date: 30.SEP.2025 11:43:03

Highest Channel / QPSK



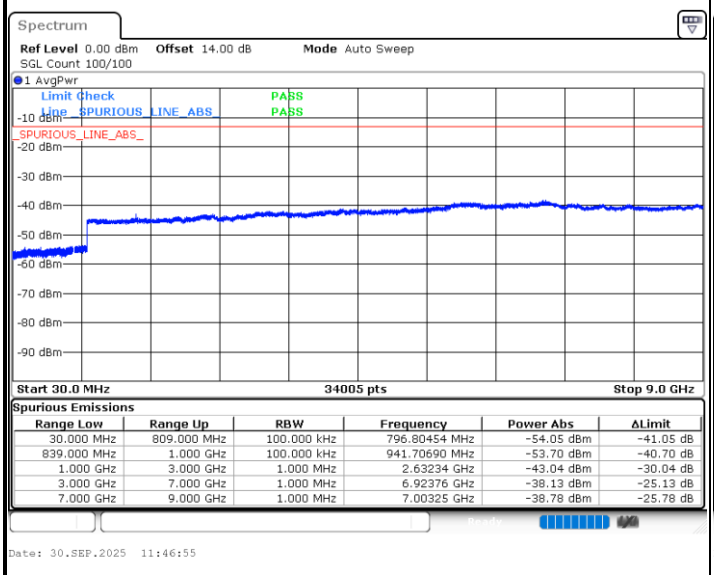
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	809.000 MHz	100.000 kHz	633.56556 MHz	-54.20 dBm	-41.20 dB
839.000 MHz	1.000 GHz	100.000 kHz	973.72989 MHz	-53.38 dBm	-40.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63634 GHz	-43.04 dBm	-30.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97375 GHz	-38.74 dBm	-25.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02974 GHz	-38.98 dBm	-25.98 dB

Date: 30.SEP.2025 11:45:25

LTE Band 26 / 5MHz

Lowest Channel / QPSK

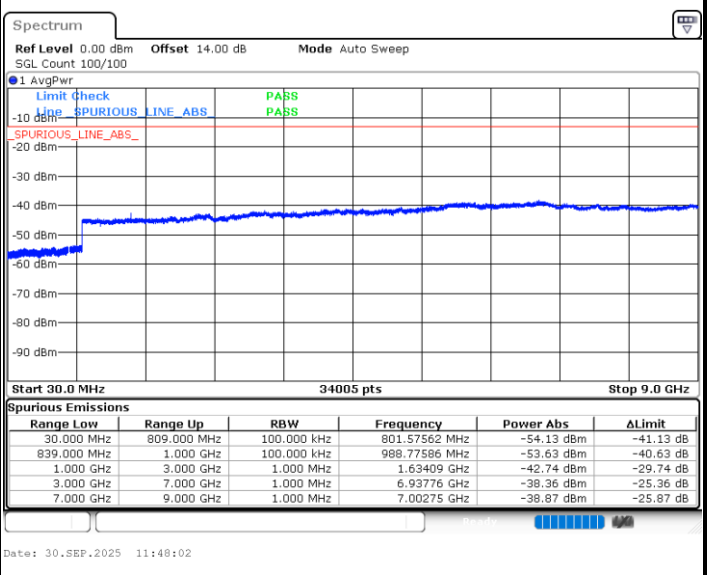


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	809.000 MHz	100.000 kHz	796.80454 MHz	-54.05 dBm	-41.05 dB
839.000 MHz	1.000 GHz	100.000 kHz	941.70690 MHz	-53.70 dBm	-40.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63234 GHz	-43.04 dBm	-30.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92376 GHz	-38.13 dBm	-25.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00325 GHz	-38.78 dBm	-25.78 dB

Date: 30.SEP.2025 11:46:55

Middle Channel / QPSK

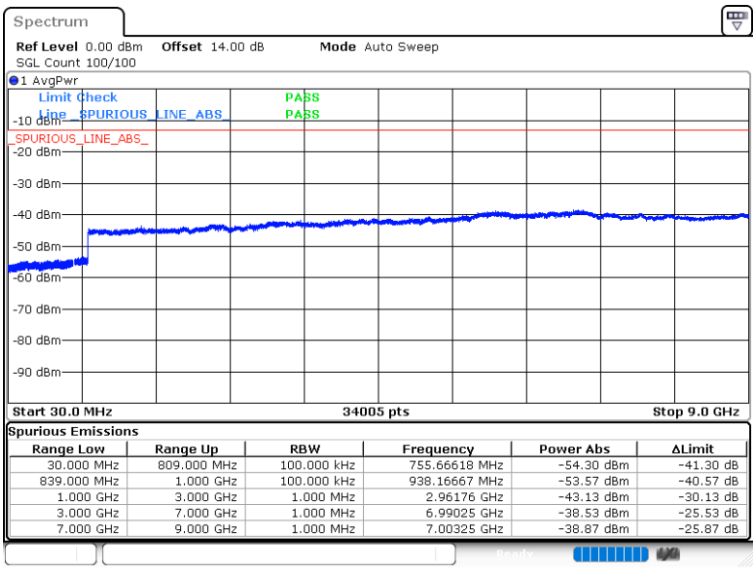


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	809.000 MHz	100.000 kHz	801.57562 MHz	-54.13 dBm	-41.13 dB
839.000 MHz	1.000 GHz	100.000 kHz	988.77586 MHz	-53.63 dBm	-40.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-42.74 dBm	-29.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93776 GHz	-38.36 dBm	-25.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00275 GHz	-38.87 dBm	-25.87 dB

Date: 30.SEP.2025 11:48:02

Highest Channel / QPSK

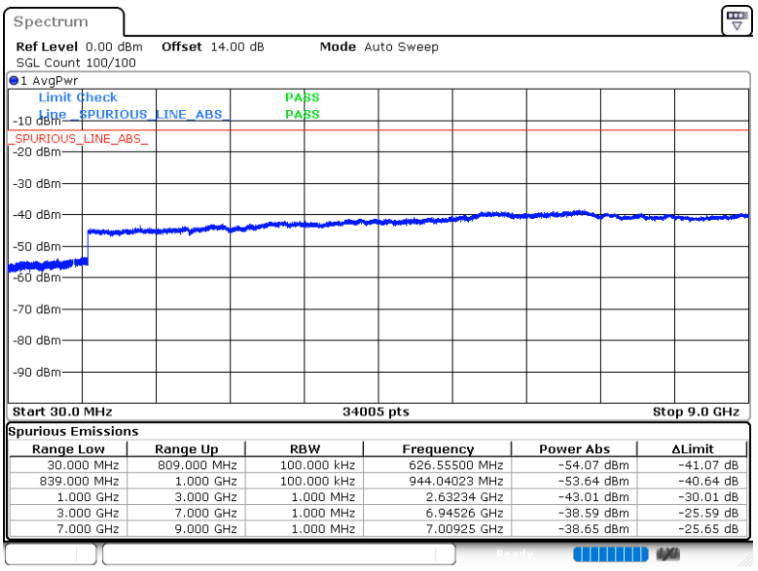


Spurious Emissions

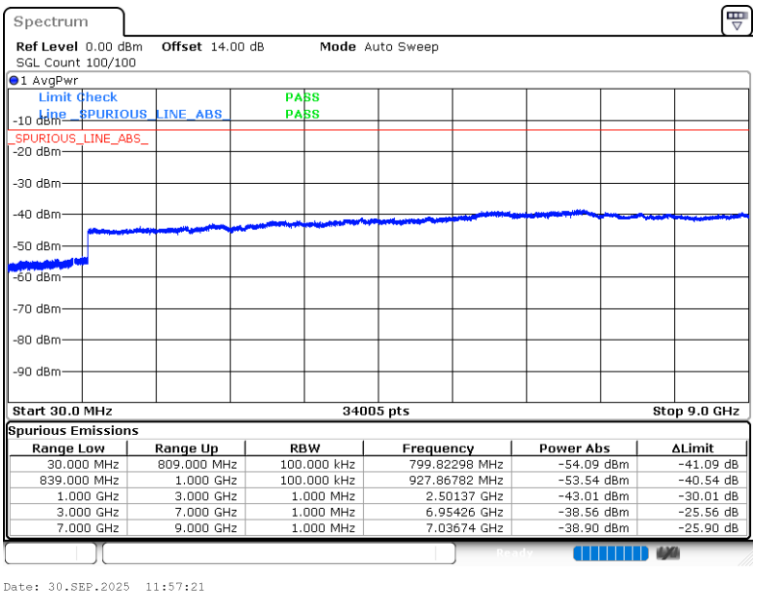
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	809.000 MHz	100.000 kHz	755.66618 MHz	-54.30 dBm	-41.30 dB
839.000 MHz	1.000 GHz	100.000 kHz	938.16667 MHz	-53.57 dBm	-40.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96176 GHz	-43.13 dBm	-30.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-38.53 dBm	-25.53 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00325 GHz	-38.87 dBm	-25.87 dB

Date: 30.SEP.2025 11:50:34

LTE Band 26 / 10MHz
Middle Channel / QPSK



LTE Band 26 / 15MHz
Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	≤2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0055	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0046	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Liang PingZhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 26 / 5MHz / QPSK/ Ant. 8								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1628.5	-66.66	-13	-53.66	-69.89	3.98	9.36	H
	2442.75	-64.01	-13	-51.01	-67.56	4.85	10.55	H
	3257	-62.30	-13	-49.30	-67.23	5.50	12.58	H
	1628.5	-66.62	-13	-53.62	-69.85	3.98	9.36	V
	2442.75	-64.03	-13	-51.03	-67.58	4.85	10.55	V
	3257	-62.82	-13	-49.82	-67.75	5.50	12.58	V
Middle	1633.5	-67.18	-13	-54.18	-70.43	4.00	9.40	H
	2450.25	-64.19	-13	-51.19	-67.76	4.88	10.60	H
	3267	-62.54	-13	-49.54	-67.47	5.52	12.60	H
	1633.5	-67.46	-13	-54.46	-70.71	4.00	9.40	V
	2450.25	-63.94	-13	-50.94	-67.51	4.88	10.60	V
	3267	-62.49	-13	-49.49	-67.42	5.52	12.60	V
Highest	1628.5	-66.60	-13	-53.60	-69.77	4.10	9.42	H
	2442.75	-64.23	-13	-51.23	-67.81	4.90	10.63	H
	3257	-62.52	-13	-49.52	-67.44	5.55	12.62	H
	1628.5	-67.04	-13	-54.04	-70.21	4.10	9.42	V
	2442.75	-63.55	-13	-50.55	-67.13	4.90	10.63	V
	3257	-62.73	-13	-49.73	-67.65	5.55	12.62	V

LTE Band 26 / 10MHz / QPSK/ Ant. 8								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1629	-67.03	-13	-54.03	-70.28	4.00	9.40	H
	2443.5	-63.87	-13	-50.87	-67.44	4.88	10.60	H
	3258	-62.65	-13	-49.65	-67.58	5.52	12.60	H
	1629	-67.33	-13	-54.33	-70.58	4.00	9.40	V
	2443.5	-64.13	-13	-51.13	-67.70	4.88	10.60	V
	3258	-62.92	-13	-49.92	-67.85	5.52	12.60	V

LTE Band 26 / 15MHz / QPSK/ Ant. 8								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1634.5	-66.61	-13	-53.61	-69.86	4.00	9.40	H
	2451.75	-62.83	-13	-49.83	-66.40	4.88	10.60	H
	3269	-62.96	-13	-49.96	-67.89	5.52	12.60	H
	1634.5	-67.03	-13	-54.03	-70.28	4.00	9.40	V
	2451.75	-63.47	-13	-50.47	-67.04	4.88	10.60	V
	3269	-63.10	-13	-50.10	-68.03	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.