FCC RF Test Report

APPLICANT	:	vivo Mobile Communication Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	vivo
MODEL NAME	:	V2242
FCC ID	:	2AUCY-V2242
STANDARD	:	47 CFR Part 2, and 90(S)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Jan. 16, 2023 ~ Jan. 28, 2023

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.

Jason Jia

Approved by: Jason Jia

Sporton International Inc. (ShenZhen)
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FW311104	Rev. 01	Initial issue of report	Feb. 20, 2023

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 44.61 dB at 2443.500 MHz
3.6	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	< 2.5 ppm	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

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

1.2 Manufacturer

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

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	vivo
Model Name	V2242
FCC ID	2AUCY-V2242
IMEI Code	Conducted: 868848060190652 Radiation: 868848060193672
HW Version	MP_0.1
SW Version	PD2268EF_EX_A_13.0.4.5.W30
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	LTE Band 18 : 815 MHz ~ 824 MHz LTE Band 26 : 814 MHz ~ 824 MHz
Rx Frequency	LTE Band 18 : 860 MHz ~ 869 MHz LTE Band 26 : 859 MHz ~ 869 MHz
Bandwidth	LTE Band 18 : 5MHz / 10MHz / 15MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	**<Ant. 13>** LTE Band 18 : 22.98 dBm LTE Band 26 : 22.98 dBm **<Ant. 31>** LTE Band 18 : 22.81 dBm LTE Band 26 : 22.91 dBm
Antenna Gain	**<Ant.13> :** LTE Band 18 : -5.56 dBi LTE Band 26 : -5.56 dBi **<Ant.31> :** LTE Band 18 : -7.34 dBi LTE Band 26 : -7.34 dBi

Antenna Type	PIFA Antenna
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM(Downlink only)

Note: Only the maximum output power of Ant. 13 is shown in the report.

1.5 Modification of EUT

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

1.6 Maximum Conducted Power and Emission Designator

LTE Band 18		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum Conducted power (W)**	**Emission Designator (99%OBW)**	**Maximum Conducted power (W)**	**Emission Designator (99%OBW)**
5	817.5 ~ 821.5	0.1977	4M50G7D	0.1671	4M51W7D
10	820.0	0.1959	9M03G7D	0.1618	9M05W7D
15	822.5	0.1986	13M5G7D	0.1667	13M5W7D
LTE Band 26		**QPSK**		**16QAM/64QAM**	
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	0.1954	1M09G7D	0.1807	1M10W7D
3	815.5 ~ 822.5	0.1945	2M72G7D	0.1791	2M72W7D
5	816.5 ~ 821.5	0.1986	4M50G7D	0.1816	4M51W7D
10	819.0	0.1884	9M03G7D	0.1807	9M05W7D
15	824	0.1914	13M5G7D	0.1671	13M5W7D

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 18. Therefore, the test results provided in this report covers Band 18 and the portion of Band 26 subject to Part 90S.
2. All modulations have been tested, only the worst modulation of PSK/QAM is shown in the report.

1.7 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	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ	CN1256	421272

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 China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24

1.9 Applied Standards

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

- 47 CFR Part 2, 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 v02r01

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

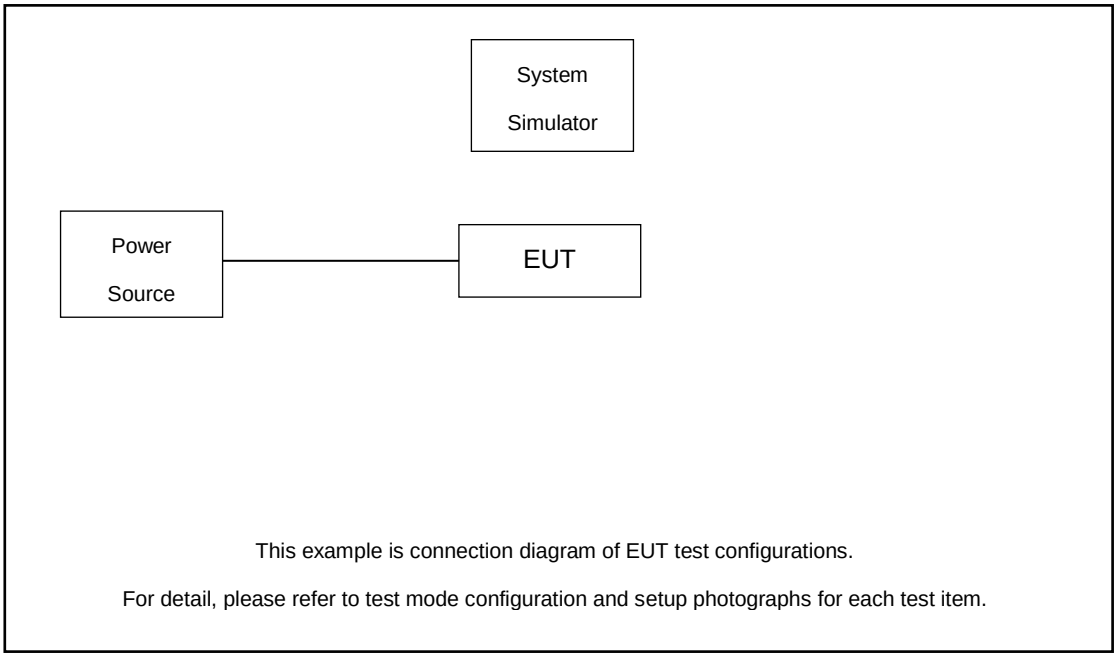
2.1 Test Mode

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.(Y-Plane)

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	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	18	-	-	v	v	v	-	v	v	v	-	v		v	v	v	v
	26	v	v	v	v	v	-	v	v	v	-	v		v	v	v	v
26dB and 99% Bandwidth	26	v	v	v	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	v	v
Frequency Stability	26				v	v	-	v			-			v	v	v	
Radiated Spurious Emission	26	Worst case													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.																

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	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 RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

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

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.0 dB and a 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 18 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
15	Channel	23925	-	-
	Frequency	822.5	-	-
10	Channel	23900	-	-
	Frequency	820	-	-
5	Channel	23875	23895	23915
	Frequency	817.5	819.5	821.5

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.

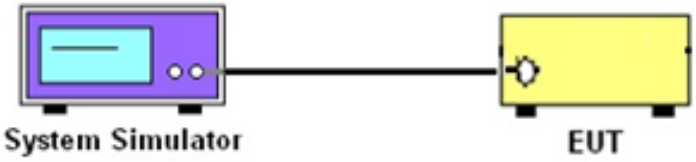
3.1.2 Measuring Instruments

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.

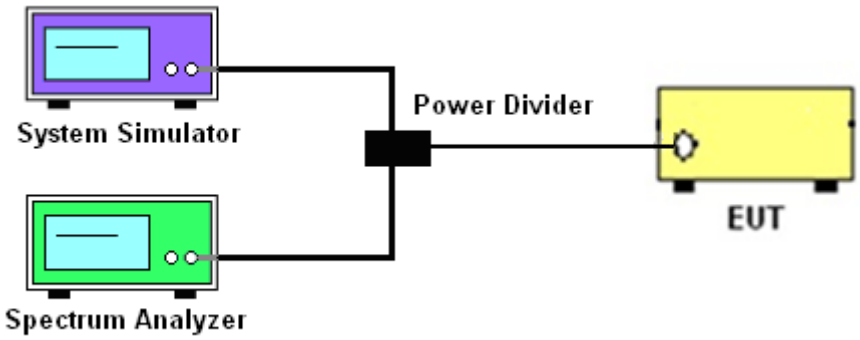
3.2.2 Measuring Instruments

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.

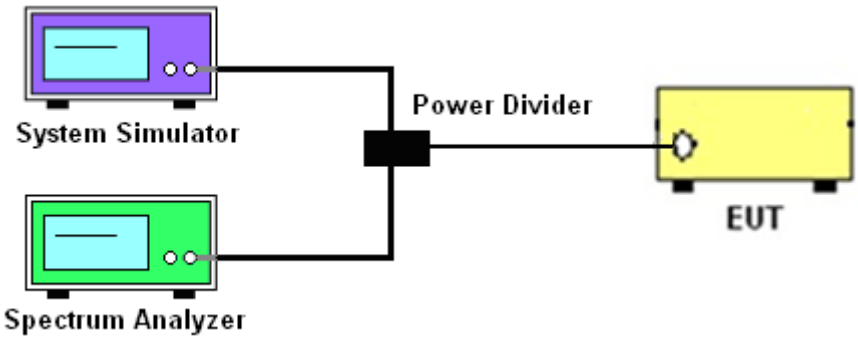
3.3.2 Measuring Instruments

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.

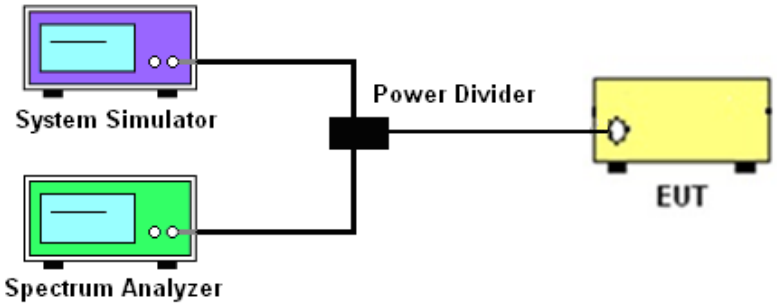
3.4.2 Measuring Instruments

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/TIA-603-E. 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

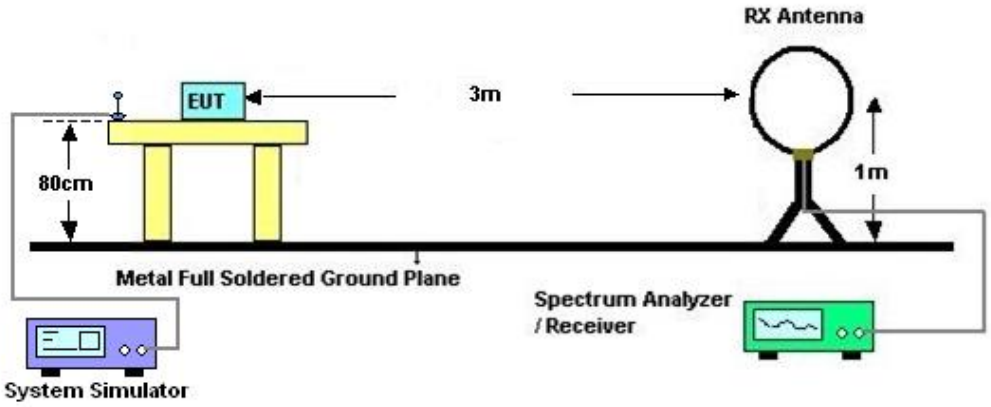
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

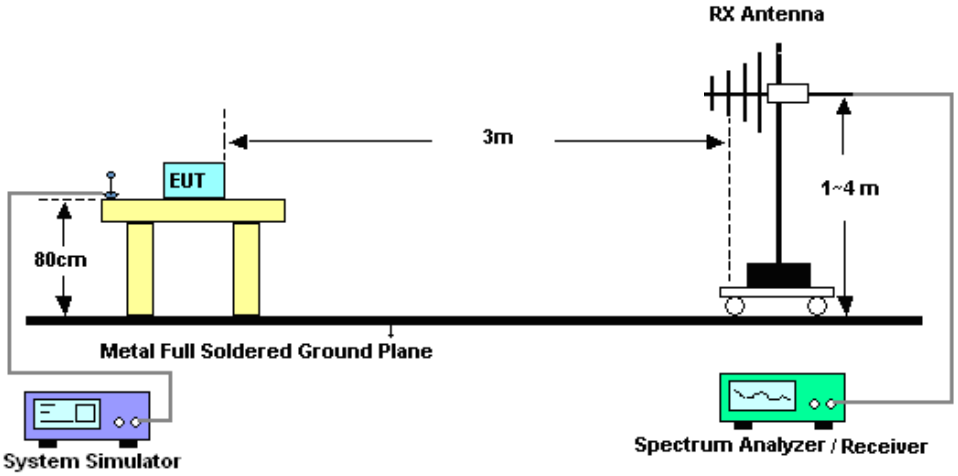
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position 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

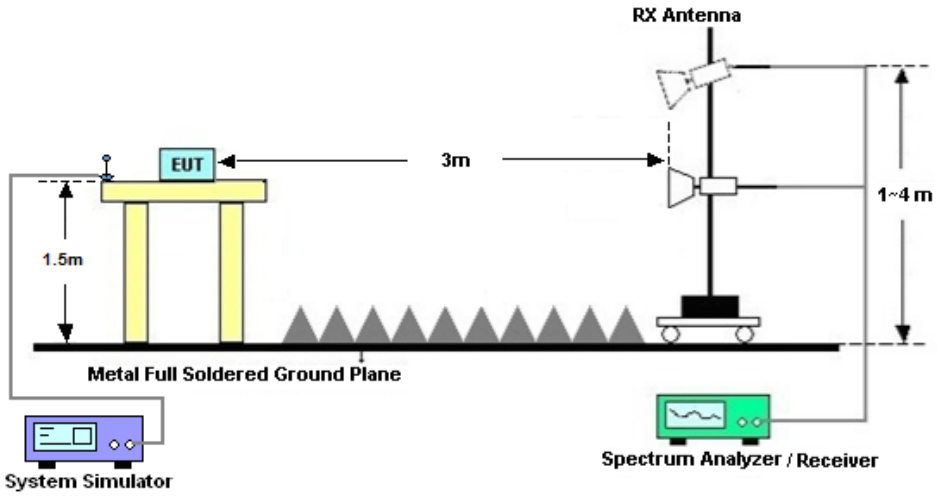
For radiated test from 30MHz



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.

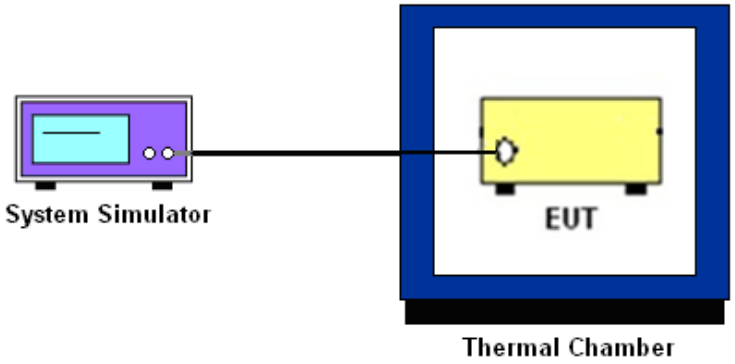
3.6.3 Test Procedures for Temperature Variation

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. 07, 2022	Jan. 28, 2023	Apr. 06, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	Jan. 28, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Jan. 28, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Jan. 16, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Jan. 16, 2023	Jun. 27, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Apr. 27, 2022	Jan. 16, 2023	Apr. 26, 2023	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07. 2022	Jan. 16, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	Jan. 16, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Jan. 16, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Sep. 30, 2022	Jan. 16, 2023	Sep. 29, 2023	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Nov. 10, 2022	Jan. 16, 2023	Nov. 09, 2023	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 16, 2023	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 16, 2023	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

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 Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.1dB

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

Appendix A. Test Results of Conducted Test

Test Engineer :	ZhenHua Zou	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power (Average power)

LTE Band 18:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23925		
Frequency (MHz)				822.5		
15	QPSK	1	0	22.96		
15	QPSK	1	74	22.98		
15	QPSK	75	0	22.20		
15	16QAM	1	0	22.22		
15	64QAM	1	0	21.13		
Channel				23900		
Frequency (MHz)				820		
10	QPSK	1	0	22.92		
10	16QAM	1	0	22.09		
10	64QAM	1	0	21.02		
Channel				23875	23895	23915
Frequency (MHz)				817.5	819.5	821.5
5	QPSK	1	0	22.93	22.83	22.96
5	16QAM	1	0	22.17	22.08	22.23
5	64QAM	1	0	21.07	21.15	21.02

LTE Band 26:

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	22.82		
15	QPSK	1	74	22.77		
15	QPSK	75	0	22.11		
15	16QAM	1	0	22.23		
15	64QAM	1	0	21.41		
Channel					26740	
Frequency (MHz)					819	
10	QPSK	1	0		22.75	
10	16QAM	1	0		22.57	
10	64QAM	1	0		21.41	
Channel				26715	26740	26765
Frequency (MHz)				816.5	819	821.5
5	QPSK	1	0	22.84	22.94	22.98
5	16QAM	1	0	22.47	22.59	22.37
5	64QAM	1	0	21.40	21.57	21.28
Channel				26705	26740	26775
Frequency (MHz)				815.5	819	822.5
3	QPSK	1	0	22.79	22.81	22.89
3	16QAM	1	0	22.53	22.49	22.51
3	64QAM	1	8	21.30	21.43	21.29
Channel				26697	26740	26783
Frequency (MHz)				814.7	819	823.3
1.4	QPSK	1	0	22.74	22.89	22.91
1.4	16QAM	1	0	22.57	22.48	22.41
1.4	64QAM	1	3	21.38	21.45	21.00

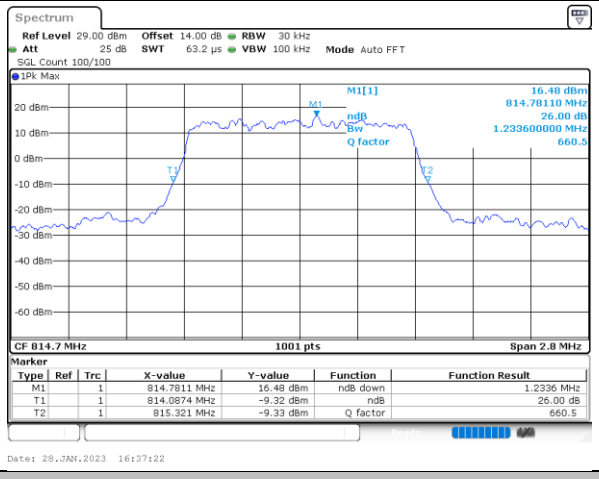
LTE Band 26

26dB Bandwidth

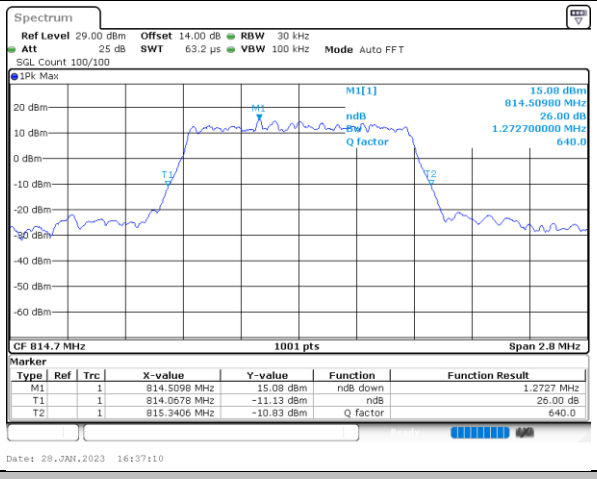
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.27	3.00	2.96	4.82	4.87	-	-	14.42	14.42	-	-
Middle CH	1.27	1.28	2.99	2.99	4.88	4.83	9.77	9.65	-	-	-	-
Highest CH	1.26	1.26	2.96	3.02	4.94	4.83	-	-	-	-	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.25	-	2.96	-	4.83	-	-	-	14.60	-	-	-
Middle CH	1.26	-	2.97	-	4.79	-	9.71	-	-	-	-	-
Highest CH	1.26	-	3.02	-	4.87	-	-	-	-	-	-	-

LTE Band 26

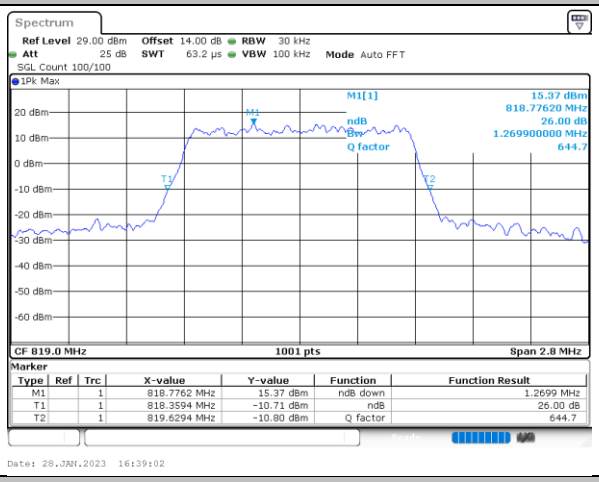
Lowest Channel / 1.4MHz / QPSK



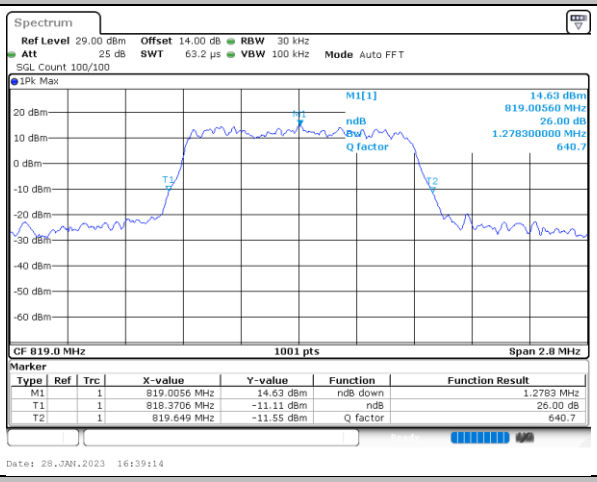
Lowest Channel / 1.4MHz / 16QAM



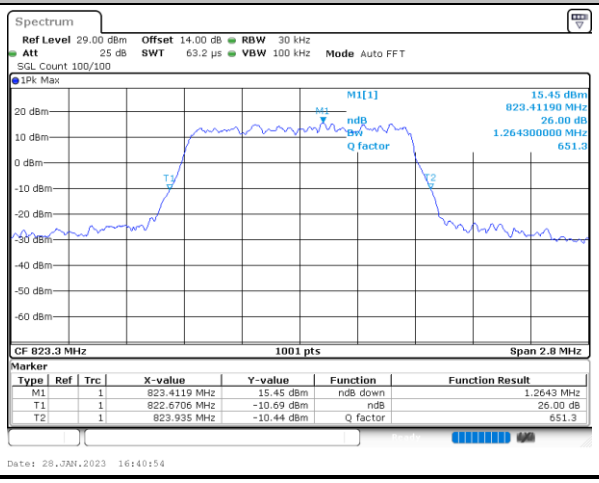
Middle Channel / 1.4MHz / QPSK



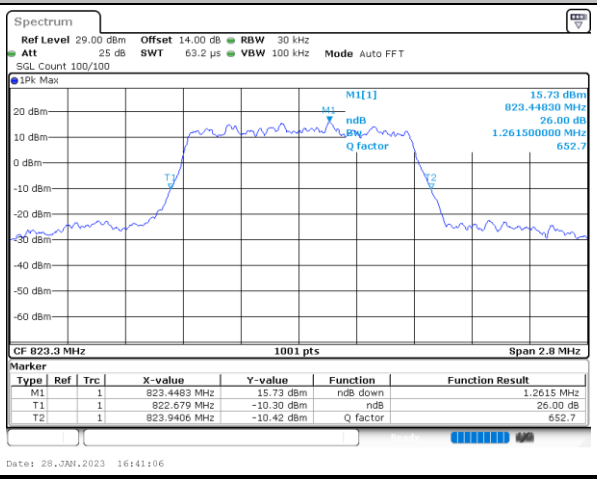
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

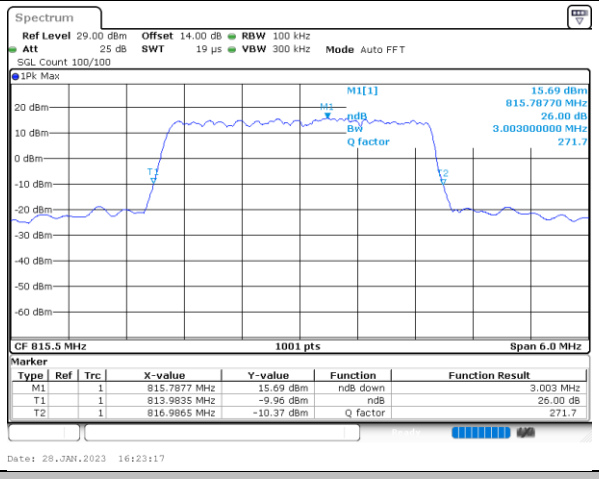


Highest Channel / 1.4MHz / 16QAM

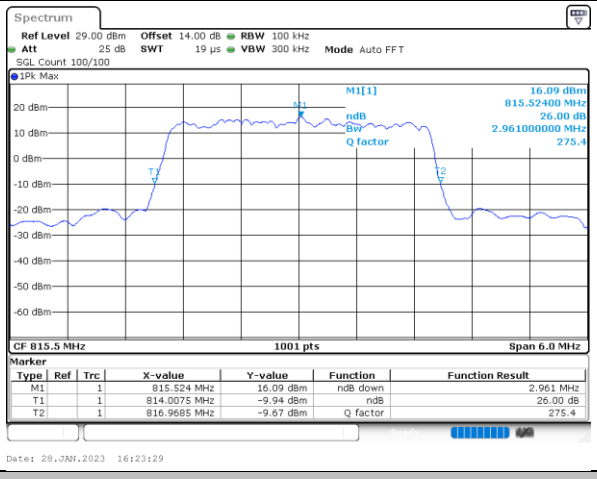


LTE Band 26

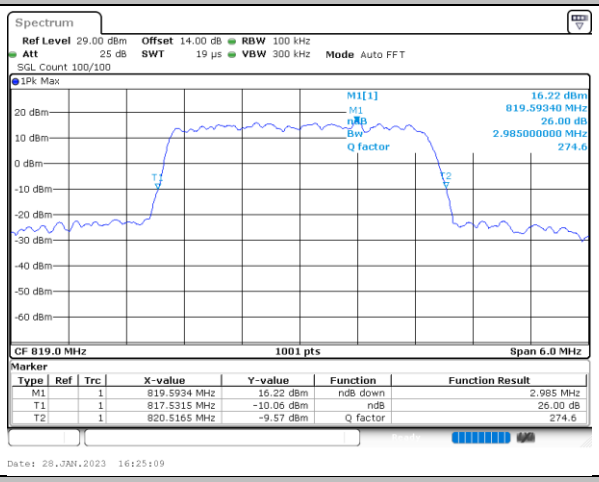
Lowest Channel / 3MHz / QPSK



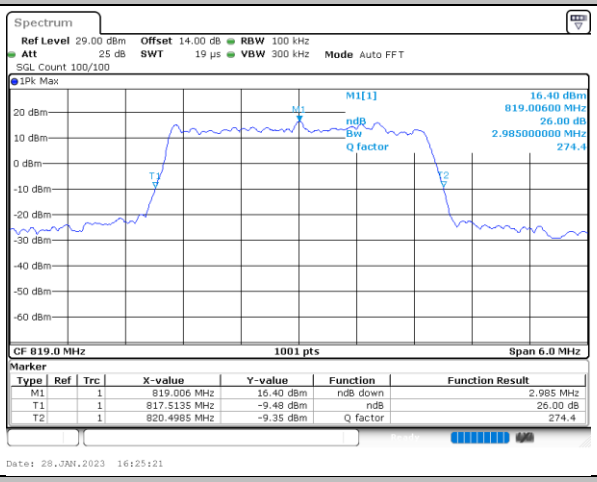
Lowest Channel / 3MHz / 16QAM



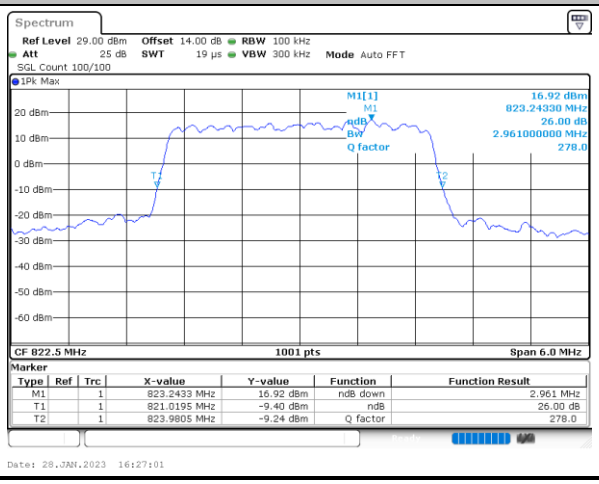
Middle Channel / 3MHz / QPSK



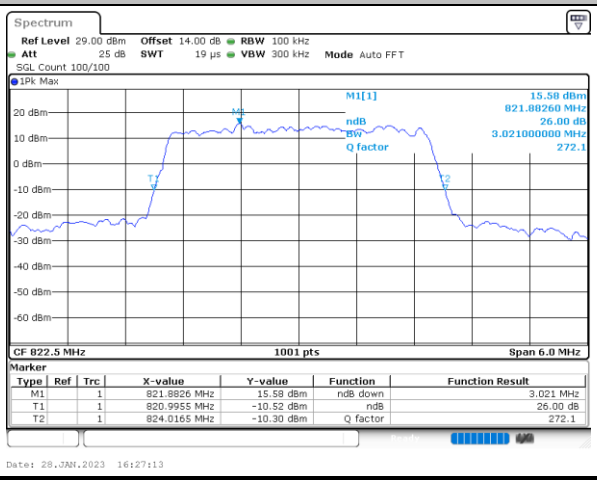
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

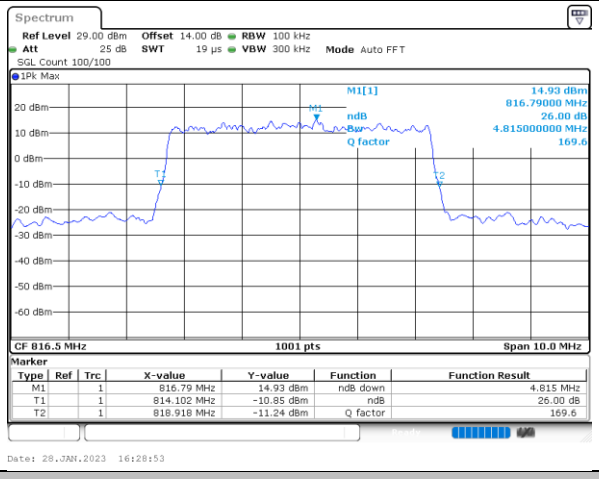


Highest Channel / 3MHz / 16QAM

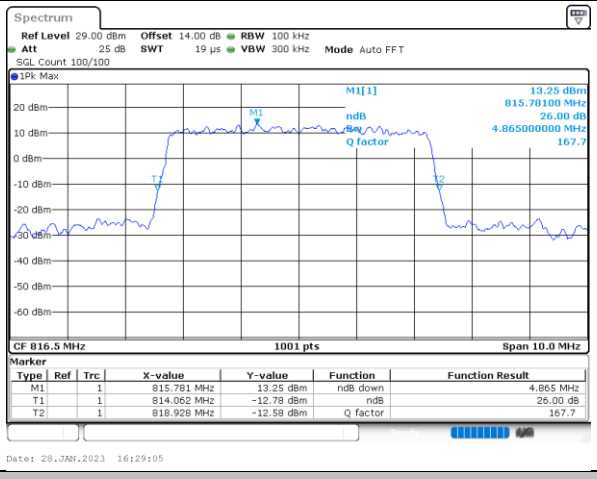


LTE Band 26

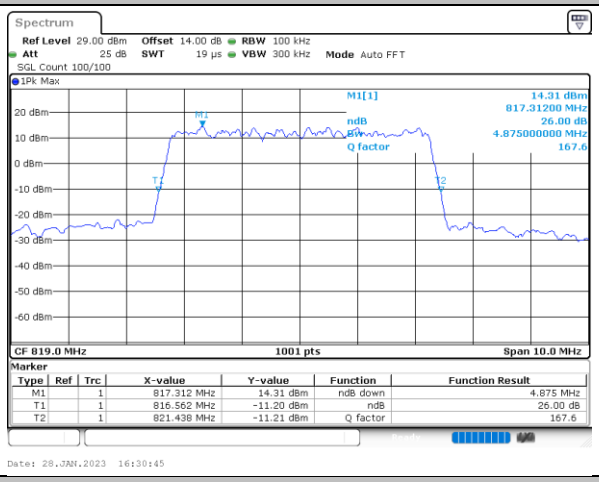
Lowest Channel / 5MHz / QPSK



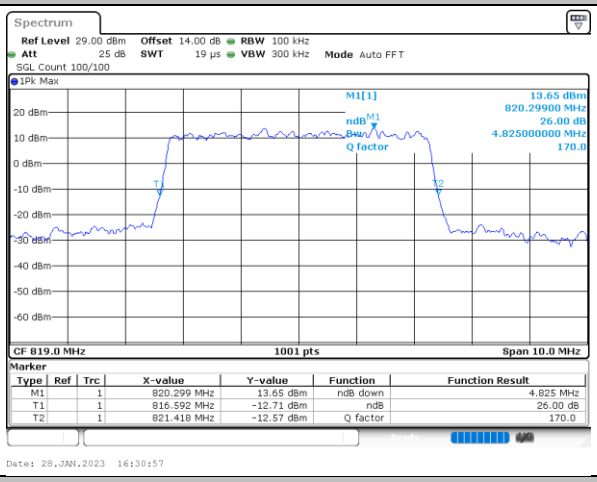
Lowest Channel / 5MHz / 16QAM



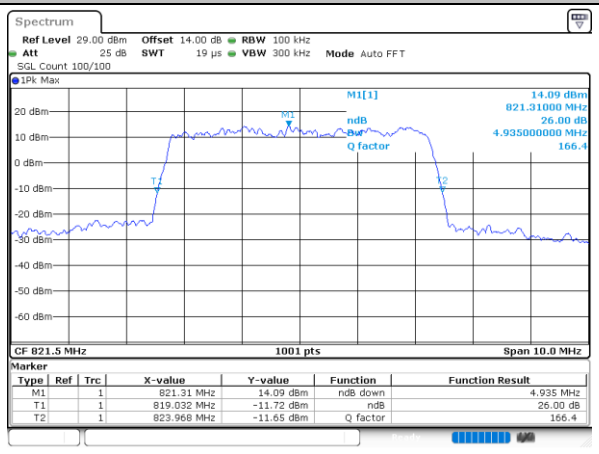
Middle Channel / 5MHz / QPSK



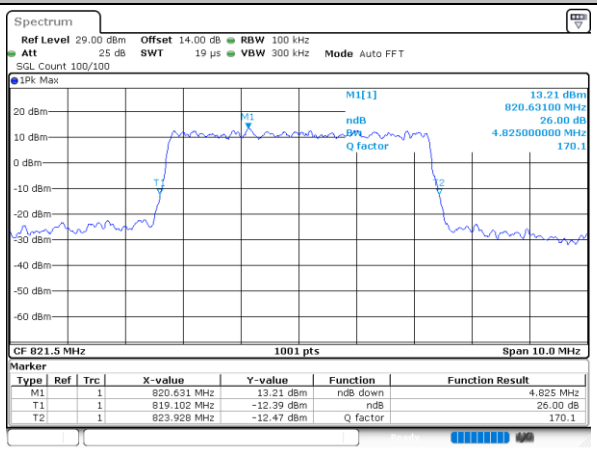
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

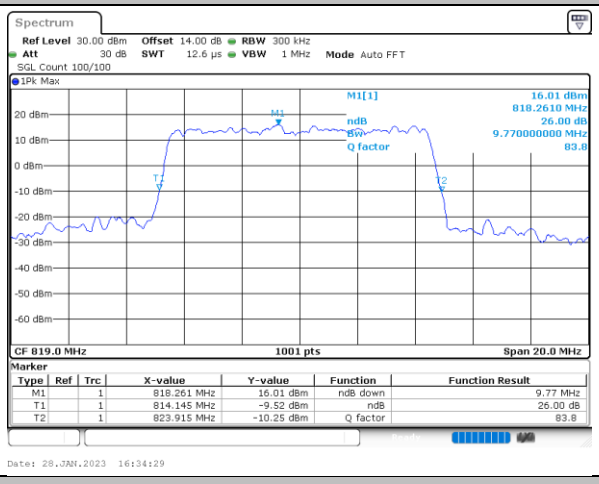


Highest Channel / 5MHz / 16QAM

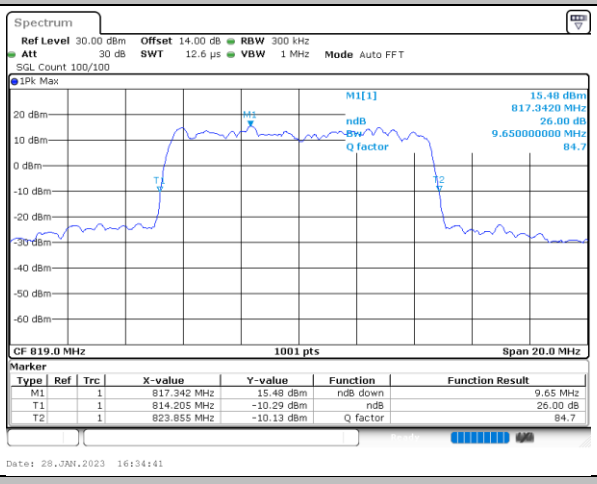


LTE Band 26

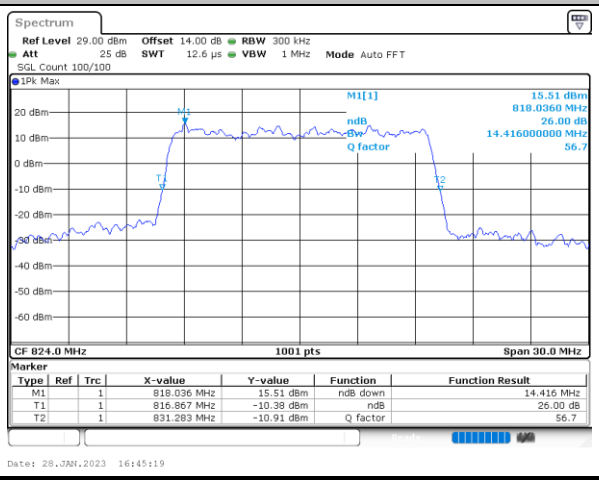
Middle Channel / 10MHz / QPSK



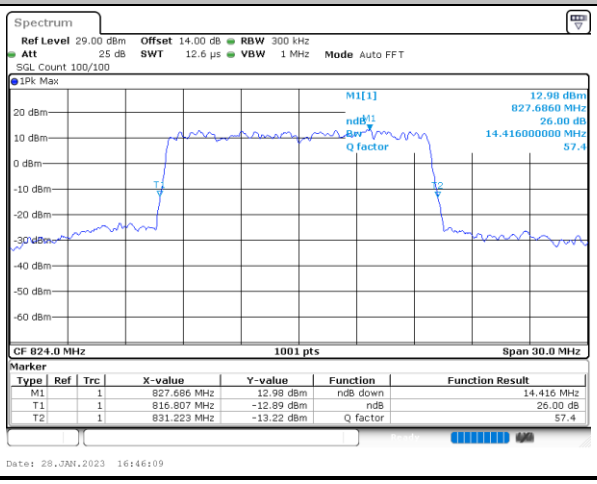
Middle Channel / 10MHz / 16QAM



Lowest Channel / 15MHz / QPSK

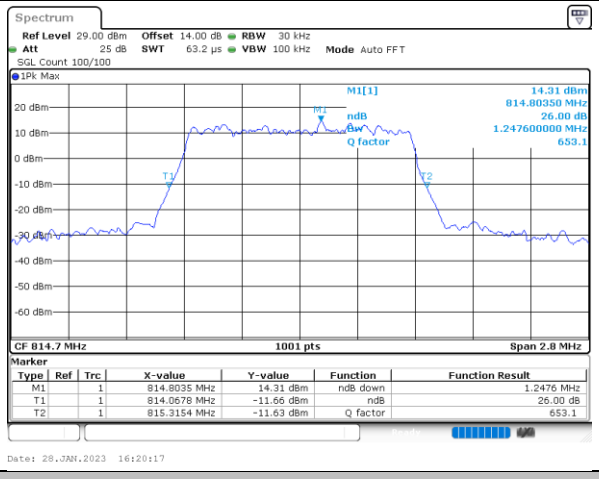


Lowest Channel / 15MHz / 16QAM

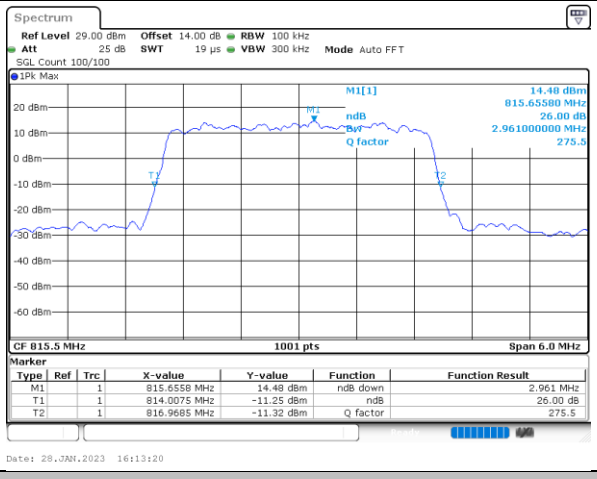


LTE Band 26

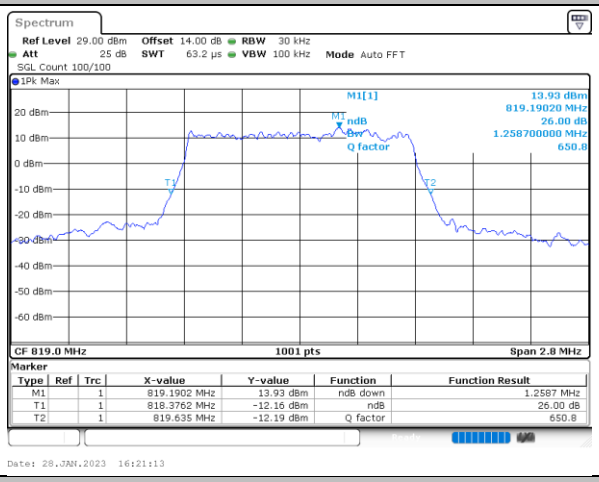
Lowest Channel / 1.4MHz / 64QAM



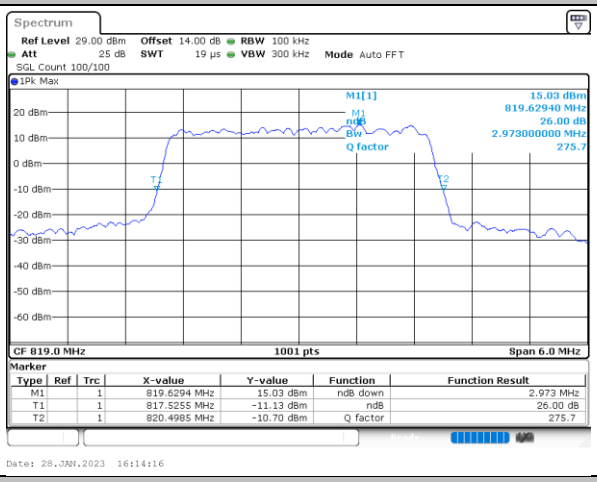
Lowest Channel / 3MHz / 64QAM



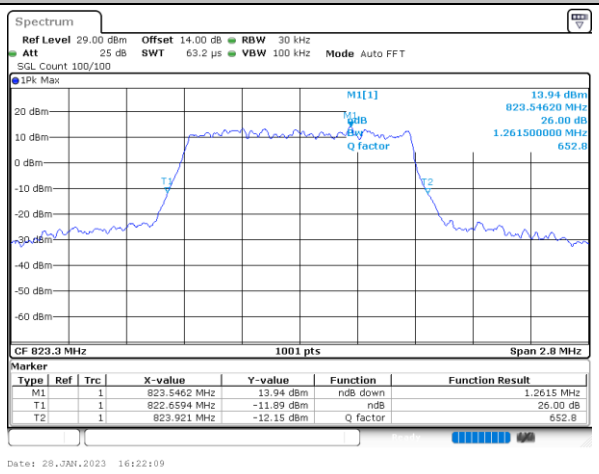
Middle Channel / 1.4MHz / 64QAM



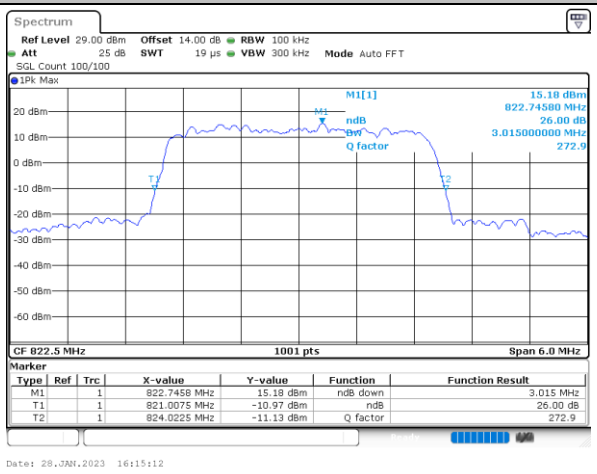
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

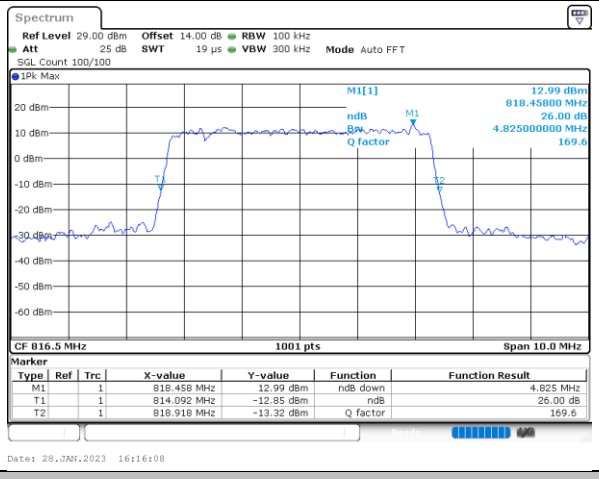


Highest Channel / 3MHz / 64QAM

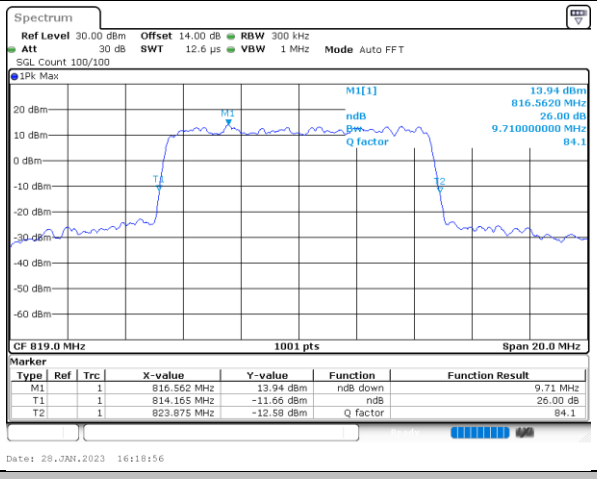


LTE Band 26

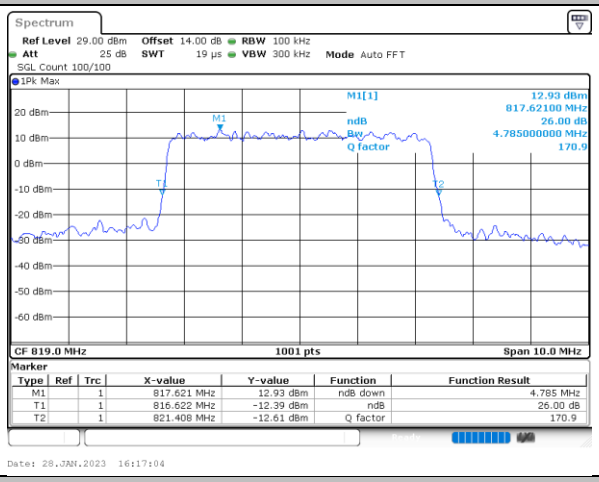
Lowest Channel / 5MHz / 64QAM



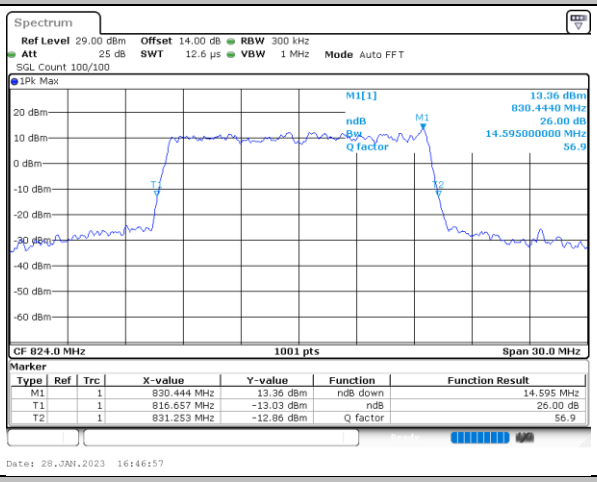
Middle Channel / 10MHz / 64QAM



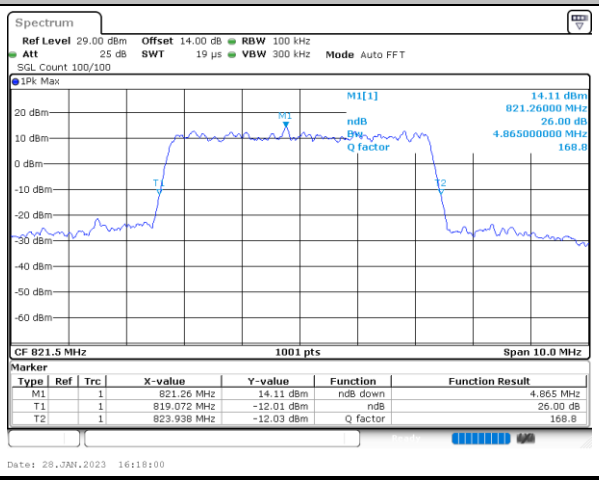
Middle Channel / 5MHz / 64QAM



Lowest Channel / 15MHz / 64QAM



Highest Channel / 5MHz / 64QAM

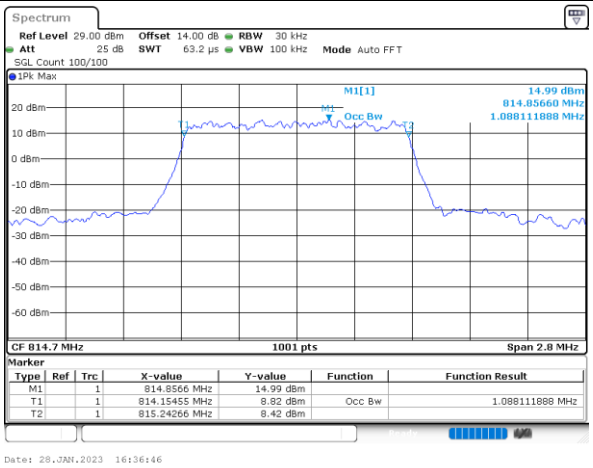


Occupied Bandwidth

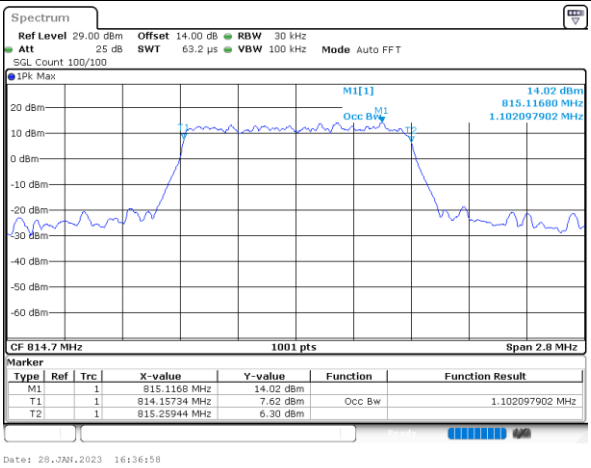
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.69	2.70	4.49	4.49	-	-	13.52	13.46	-	-
Middle CH	1.09	1.10	2.72	2.71	4.48	4.47	9.03	9.05	-	-	-	-
Highest CH	1.09	1.10	2.69	2.72	4.50	4.51	-	-	-	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.71	-	4.49	-	-	-	13.40	-	-	-
Middle CH	1.10	-	2.71	-	4.50	-	9.01	-	-	-	-	-
Highest CH	1.10	-	2.71	-	4.48	-	-	-	-	-	-	-

LTE Band 26

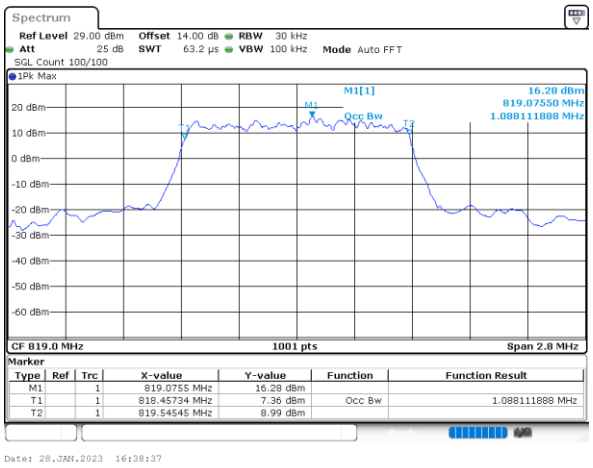
Lowest Channel / 1.4MHz / QPSK



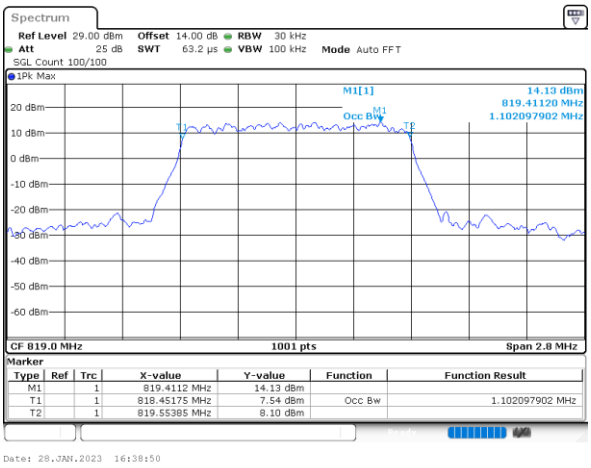
Lowest Channel / 1.4MHz / 16QAM



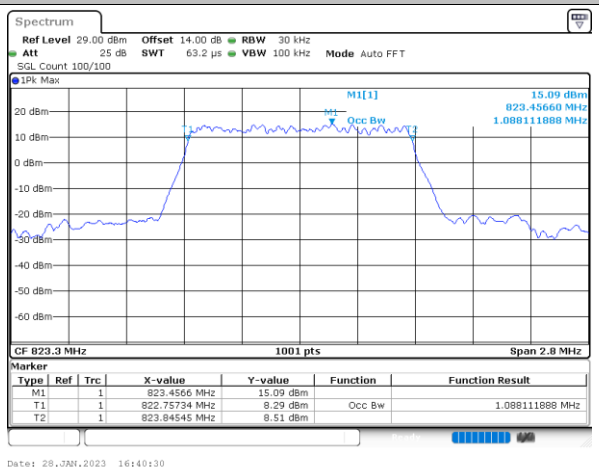
Middle Channel / 1.4MHz / QPSK



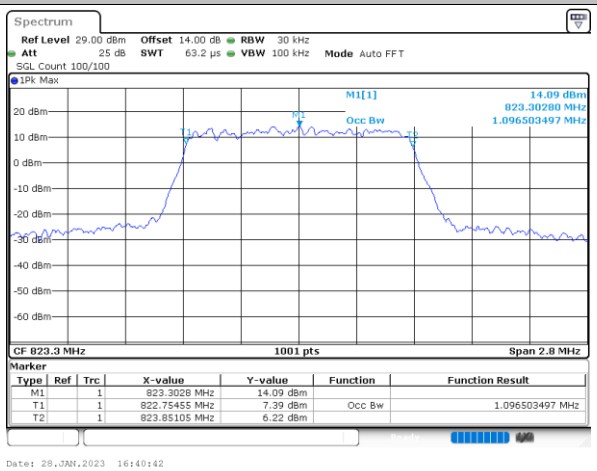
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

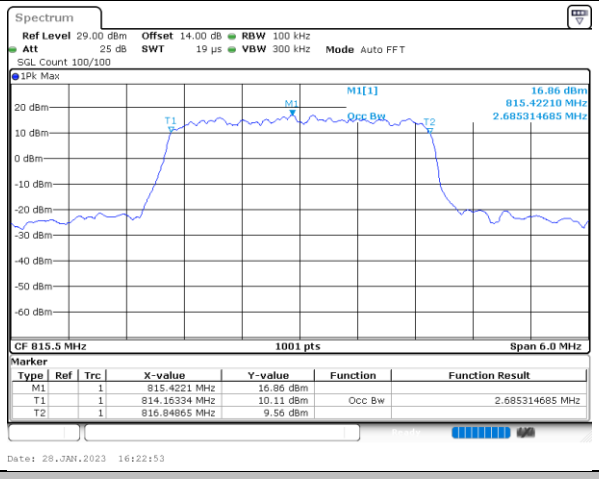


Highest Channel / 1.4MHz / 16QAM

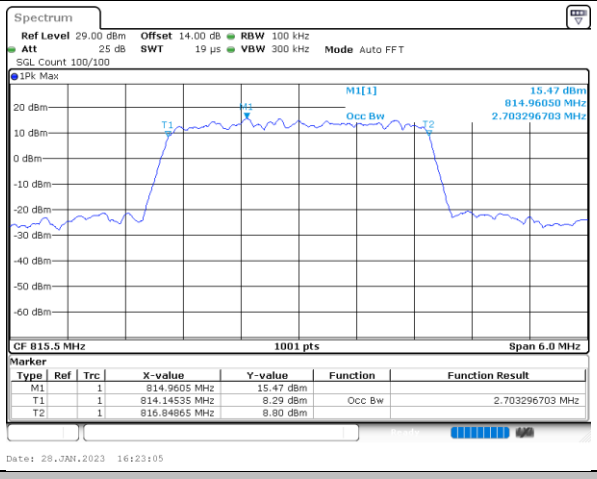


LTE Band 26

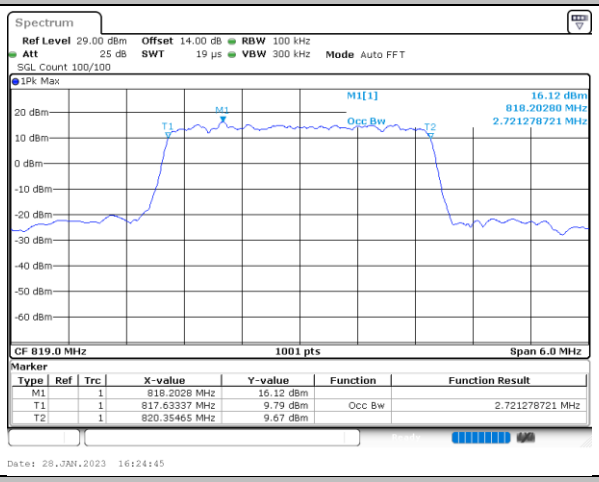
Lowest Channel / 3MHz / QPSK



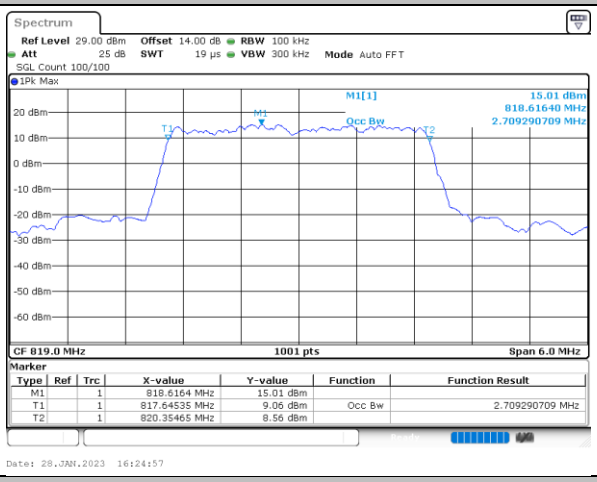
Lowest Channel / 3MHz / 16QAM



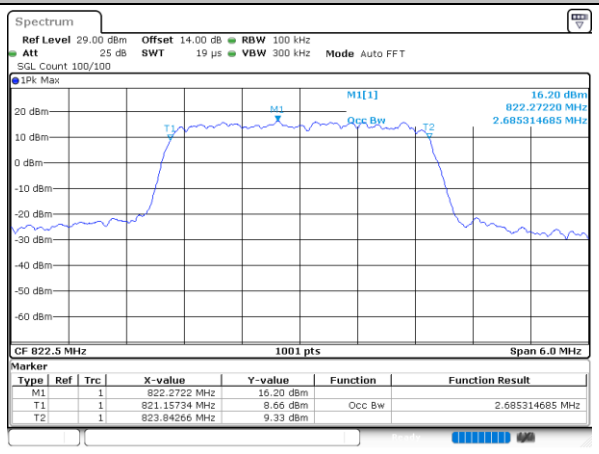
Middle Channel / 3MHz / QPSK



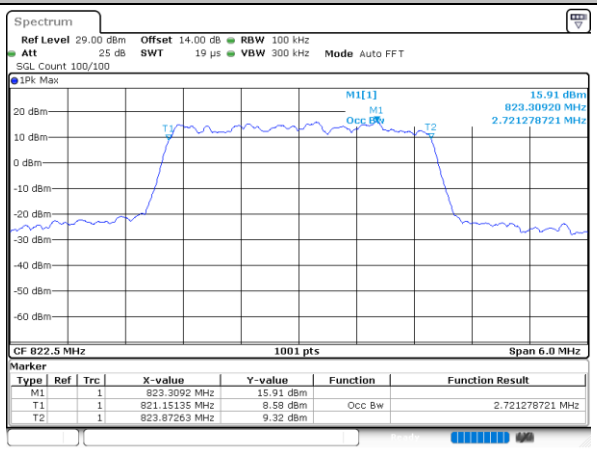
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

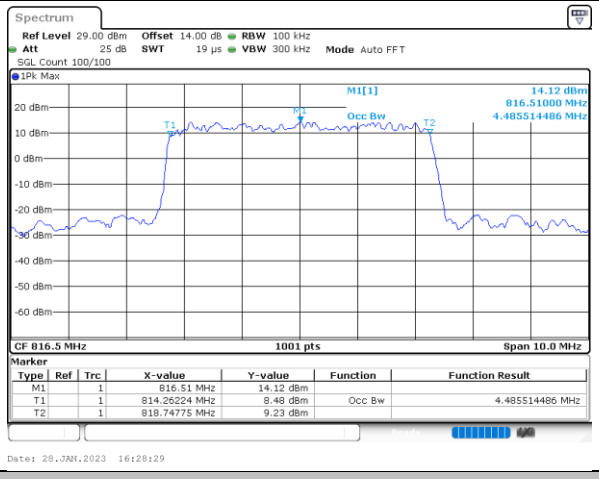


Highest Channel / 3MHz / 16QAM

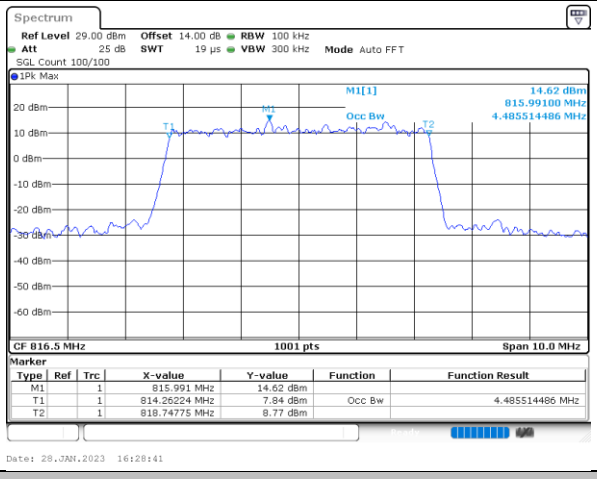


LTE Band 26

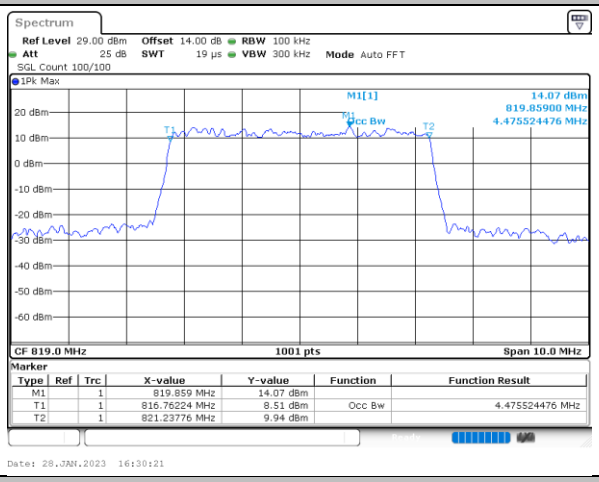
Lowest Channel / 5MHz / QPSK



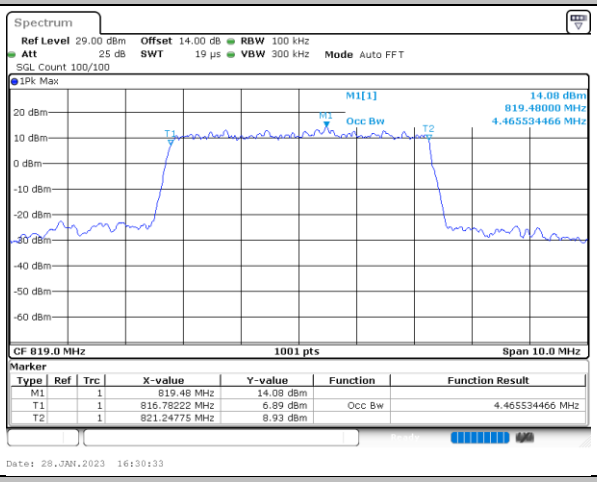
Lowest Channel / 5MHz / 16QAM



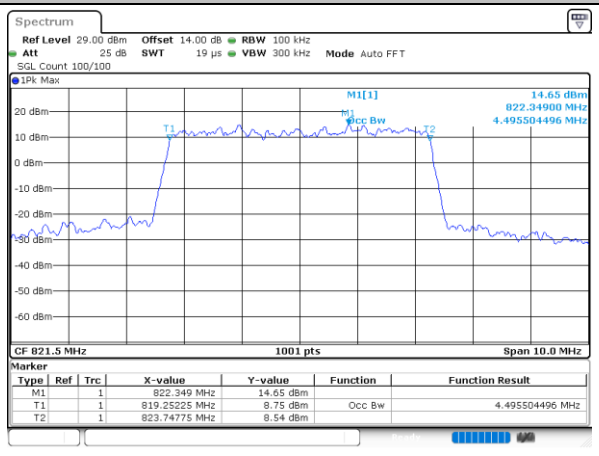
Middle Channel / 5MHz / QPSK



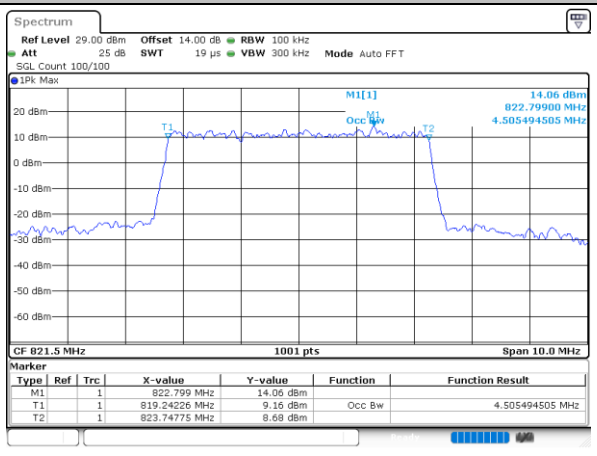
Middle Channel / 5MHz / 16QAM

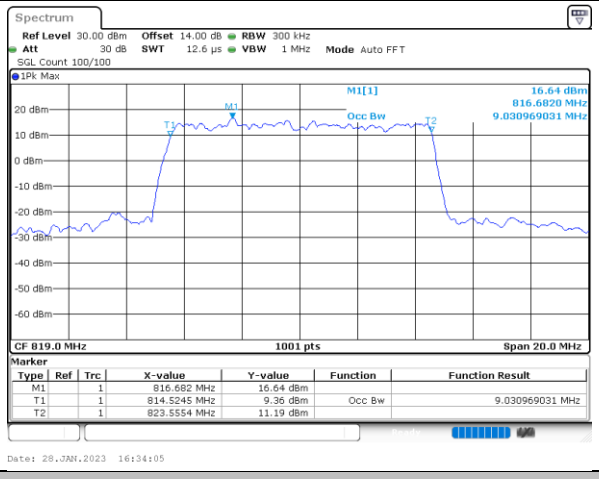
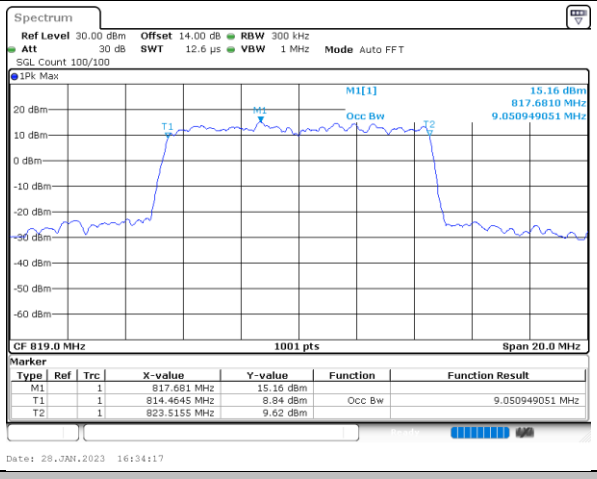
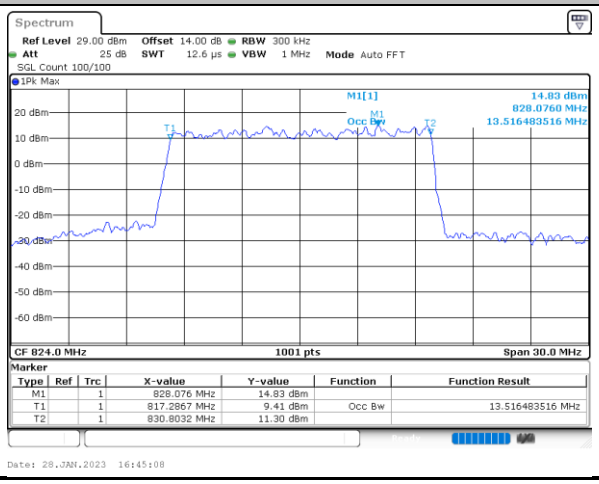
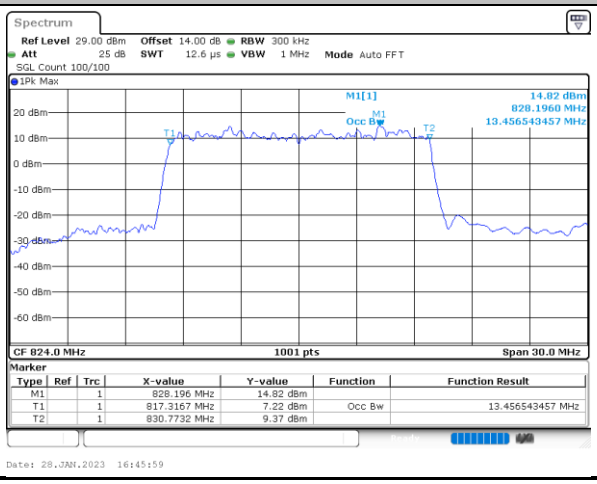


Highest Channel / 5MHz / QPSK



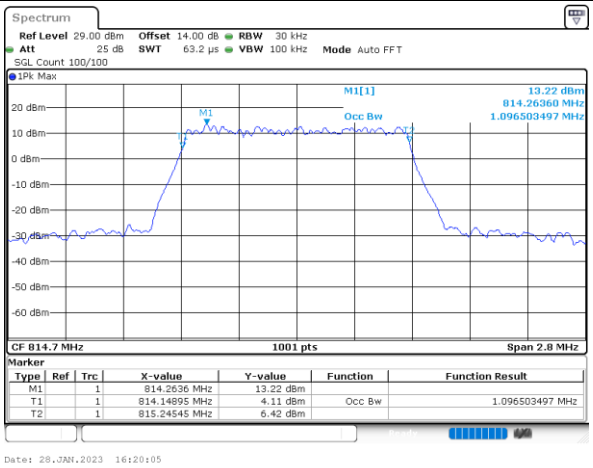
Highest Channel / 5MHz / 16QAM



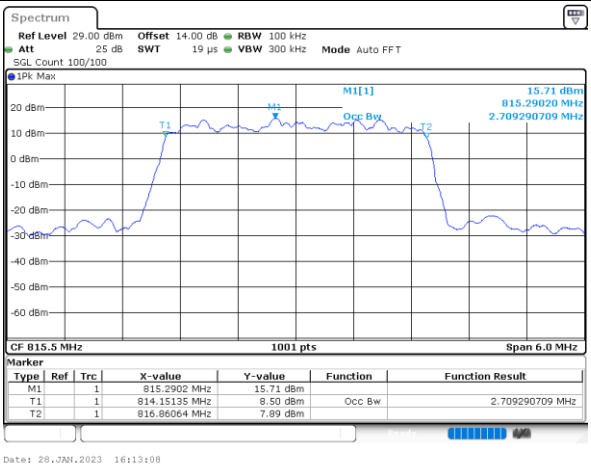
LTE Band 26	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	
LTE Band 26	
Lowest Channel / 15MHz / QPSK	**Lowest Channel / 15MHz / 16QAM**
	

LTE Band 26

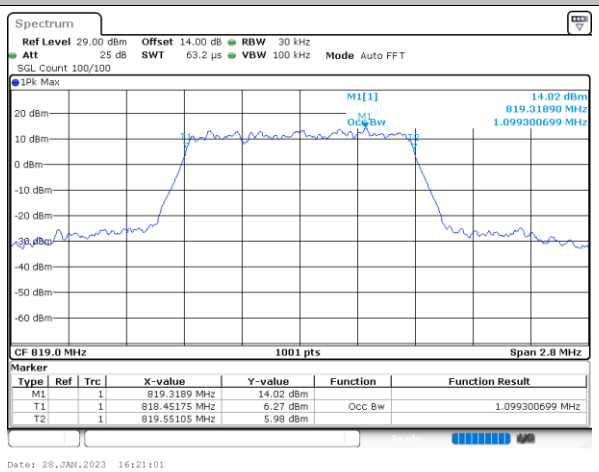
Lowest Channel / 1.4MHz / 64QAM



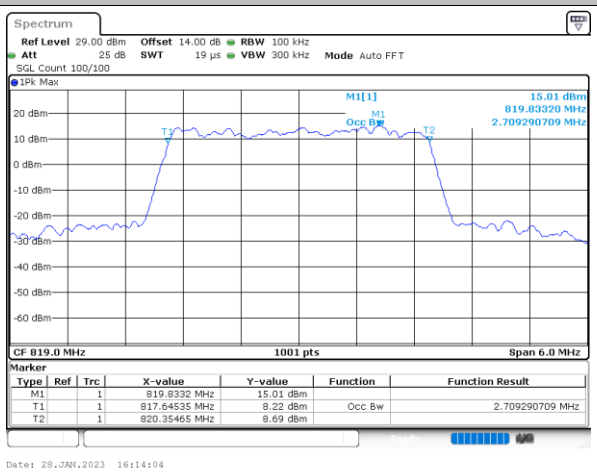
Lowest Channel / 3MHz / 64QAM



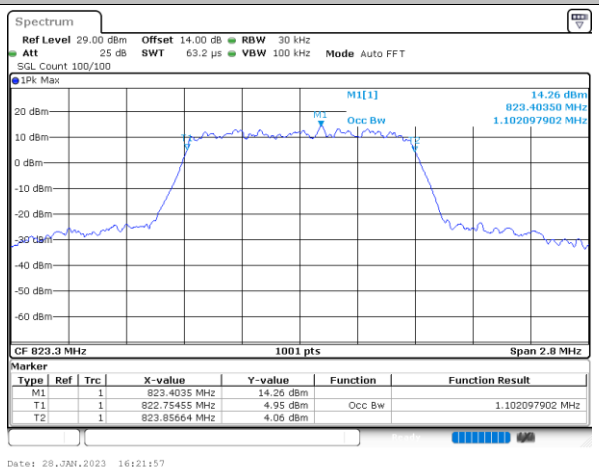
Middle Channel / 1.4MHz / 64QAM



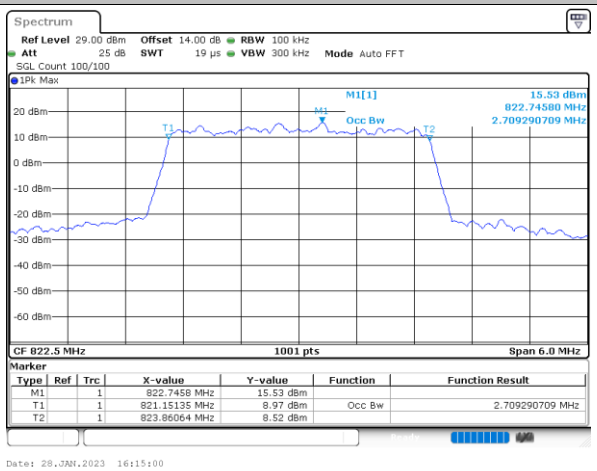
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

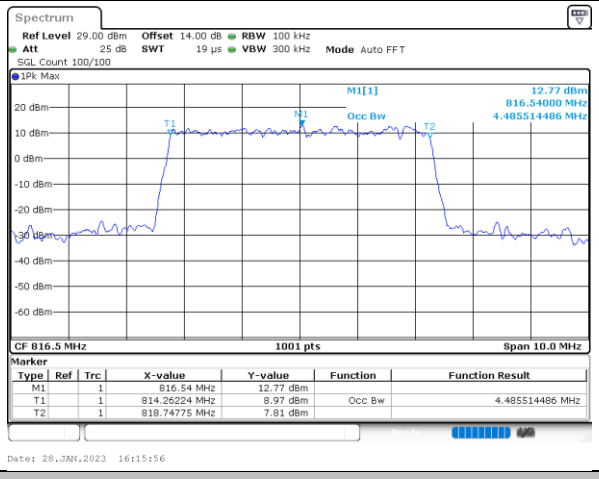


Highest Channel / 3MHz / 64QAM

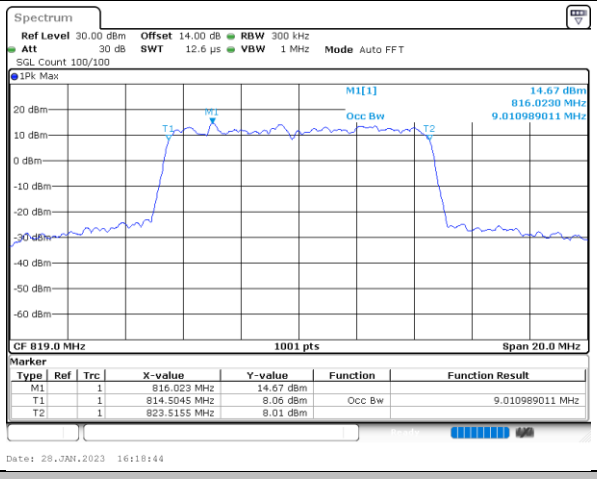


LTE Band 26

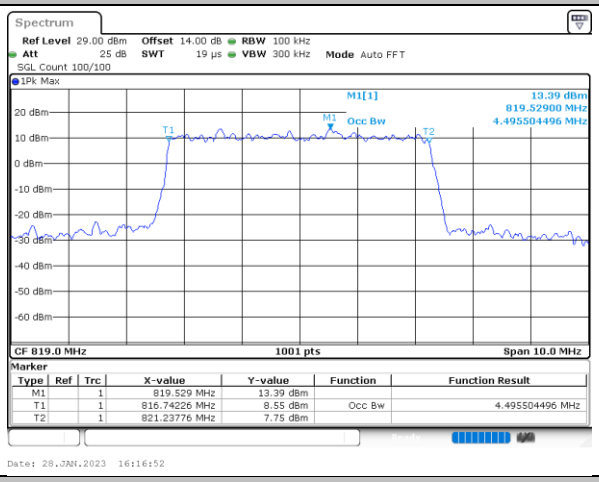
Lowest Channel / 5MHz / 64QAM



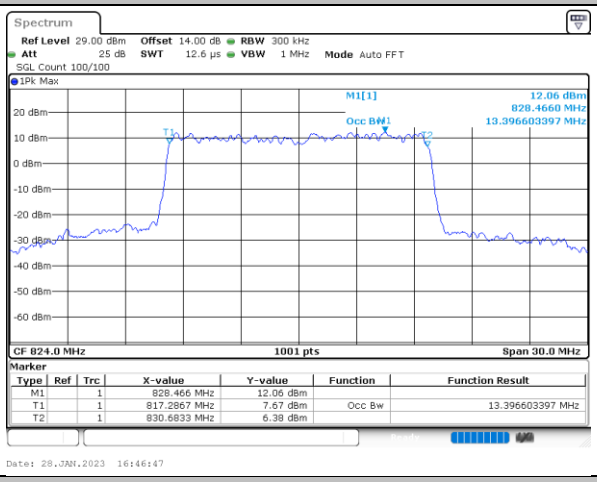
Middle Channel / 10MHz / 64QAM



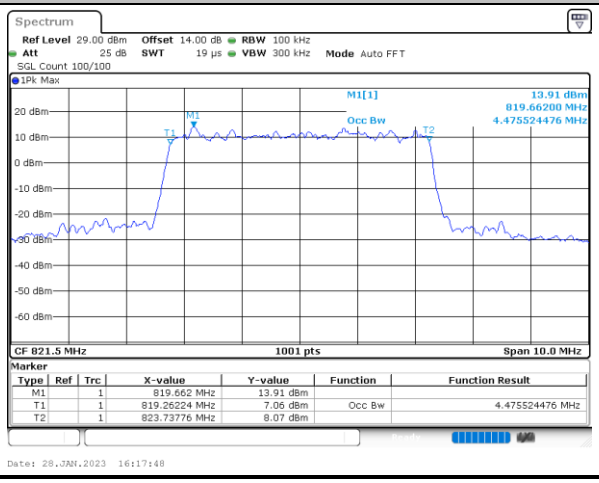
Middle Channel / 5MHz / 64QAM



Highest Channel / 15MHz / 64QAM



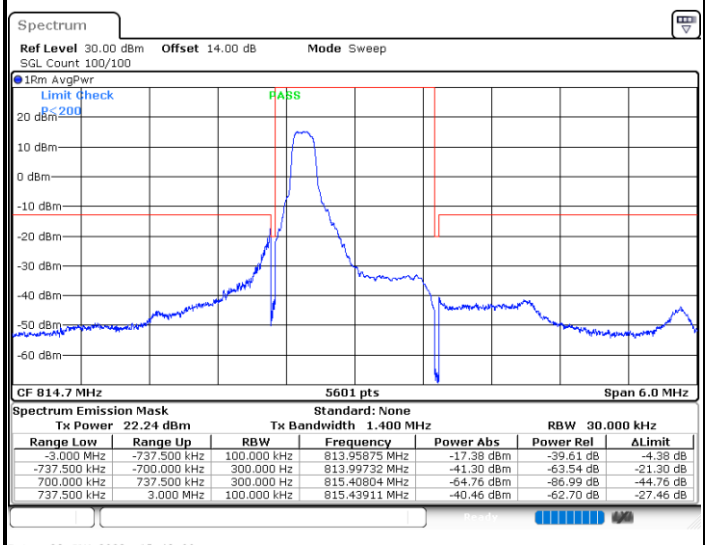
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



Spectrum Emission Mask Standard: None
Tx Power 22.24 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	813.95875 MHz	-17.38 dBm	-39.61 dB	-4.38 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99732 MHz	-41.30 dBm	-63.54 dB	-21.30 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40804 MHz	-64.76 dBm	-86.99 dB	-44.76 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.43911 MHz	-40.46 dBm	-62.70 dB	-27.46 dB

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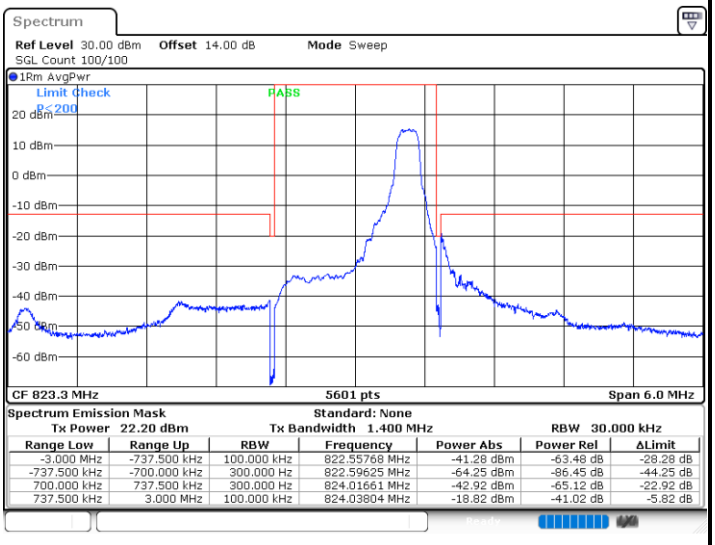
Highest Band Edge / 1RB



Spectrum Emission Mask Standard: None
Tx Power 22.20 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	822.55768 MHz	-41.28 dBm	-63.48 dB	-28.28 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59625 MHz	-64.25 dBm	-86.45 dB	-44.25 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.01661 MHz	-42.92 dBm	-65.12 dB	-22.92 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.03804 MHz	-18.82 dBm	-41.02 dB	-5.82 dB

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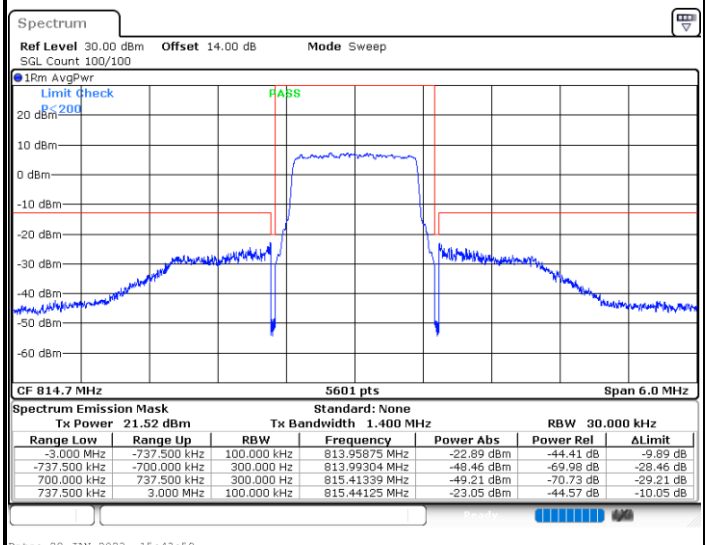
Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 21.52 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	813.95875 MHz	-22.89 dBm	-44.41 dB	-9.89 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99304 MHz	-48.46 dBm	-69.98 dB	-28.46 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.41339 MHz	-49.21 dBm	-70.73 dB	-29.21 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.44125 MHz	-23.05 dBm	-44.57 dB	-10.05 dB

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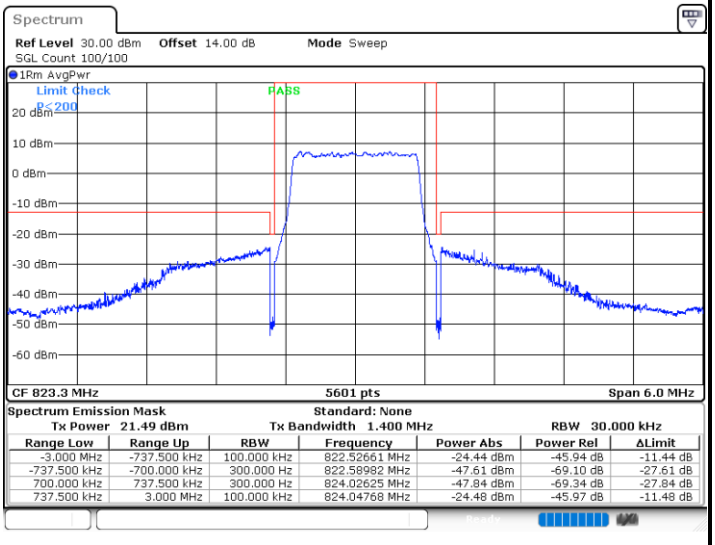
Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 21.49 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	822.52661 MHz	-24.44 dBm	-45.94 dB	-11.44 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.58982 MHz	-47.61 dBm	-69.10 dB	-27.61 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.02625 MHz	-47.84 dBm	-69.34 dB	-27.84 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.04768 MHz	-24.48 dBm	-45.97 dB	-11.48 dB

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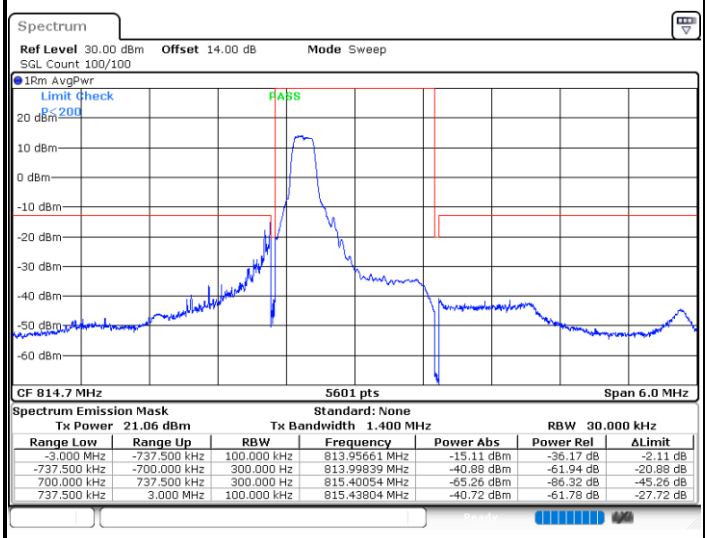
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 21.06 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	813.95661 MHz	-15.11 dBm	-36.17 dB	-2.11 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99839 MHz	-40.88 dBm	-61.94 dB	-20.88 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40054 MHz	-65.26 dBm	-86.32 dB	-45.26 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.43804 MHz	-40.72 dBm	-61.78 dB	-27.72 dB

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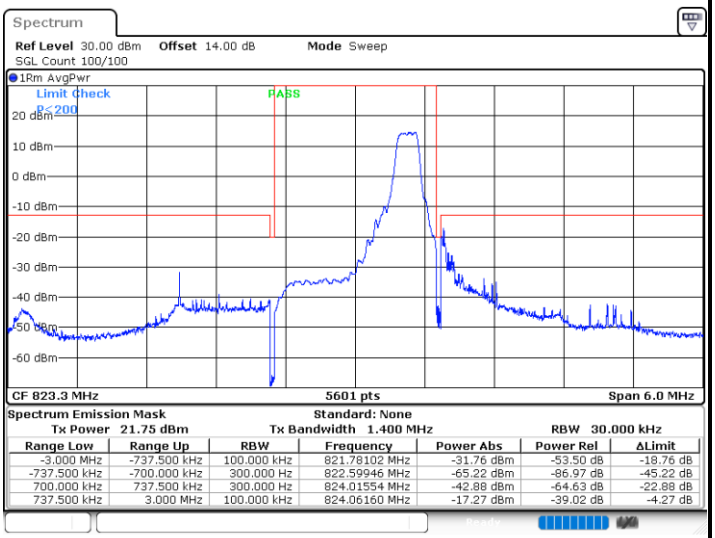
Highest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 21.75 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	821.78102 MHz	-31.76 dBm	-53.50 dB	-18.76 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59946 MHz	-65.22 dBm	-86.97 dB	-45.22 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.01554 MHz	-42.88 dBm	-64.63 dB	-22.88 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.06160 MHz	-17.27 dBm	-39.02 dB	-4.27 dB

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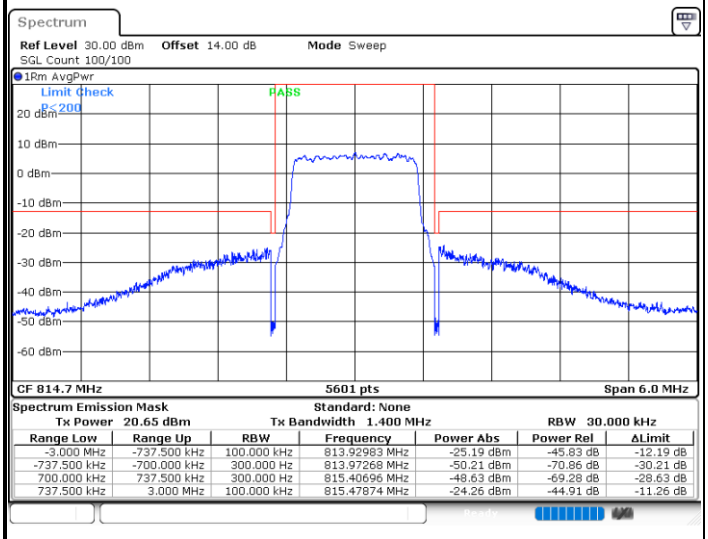
Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 20.65 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	813.92983 MHz	-25.19 dBm	-45.83 dB	-12.19 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.97268 MHz	-50.21 dBm	-70.86 dB	-30.21 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40696 MHz	-48.63 dBm	-69.28 dB	-28.63 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.47874 MHz	-24.26 dBm	-44.91 dB	-11.26 dB

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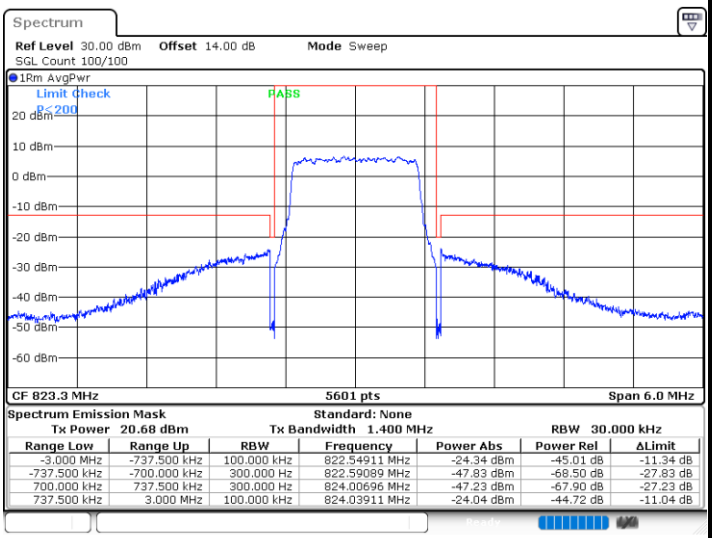
Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 20.68 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	822.54911 MHz	-24.34 dBm	-45.01 dB	-11.34 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59089 MHz	-47.83 dBm	-68.50 dB	-27.83 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00696 MHz	-47.23 dBm	-67.90 dB	-27.23 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.03911 MHz	-24.04 dBm	-44.72 dB	-11.04 dB

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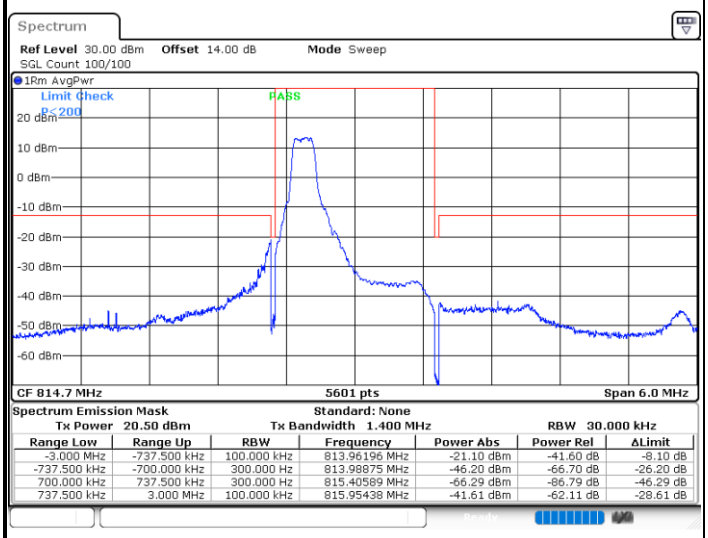
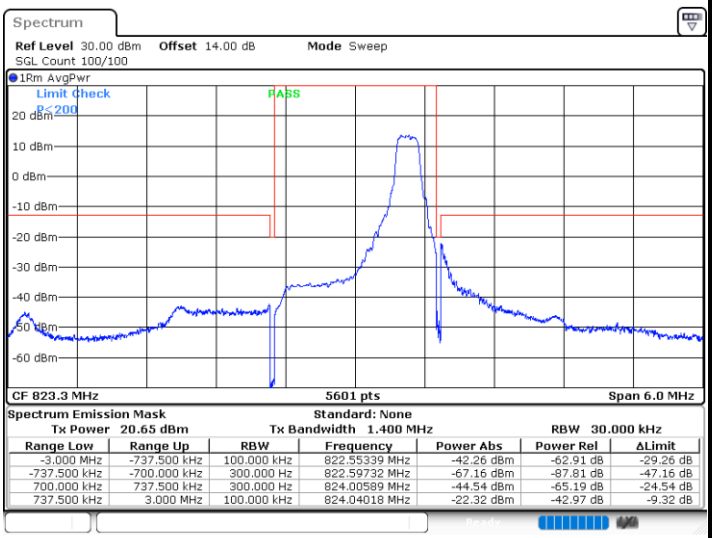
LTE Band 26 / 1.4MHz / 64QAM

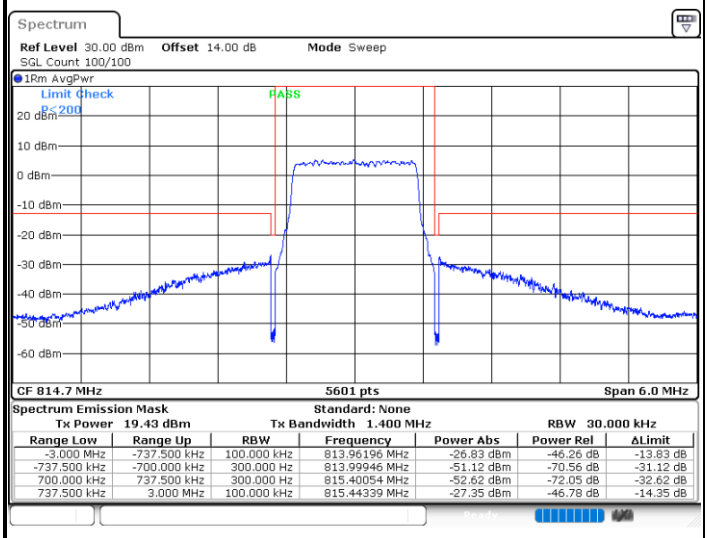
Lowest Band Edge / 1 RB



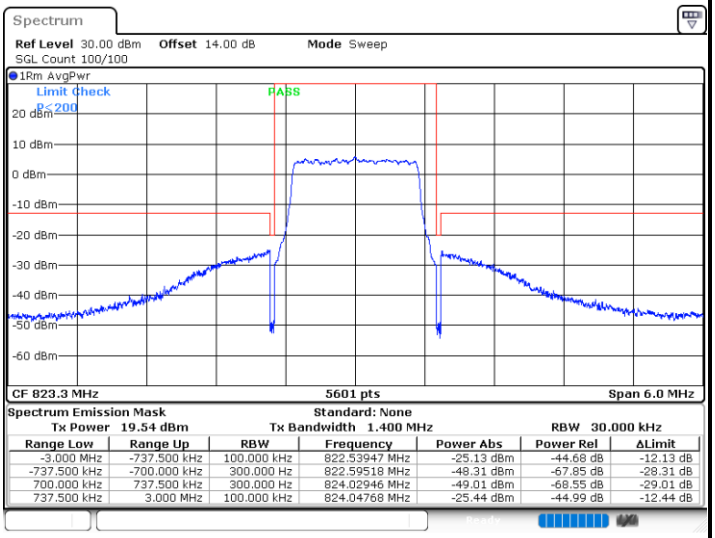
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

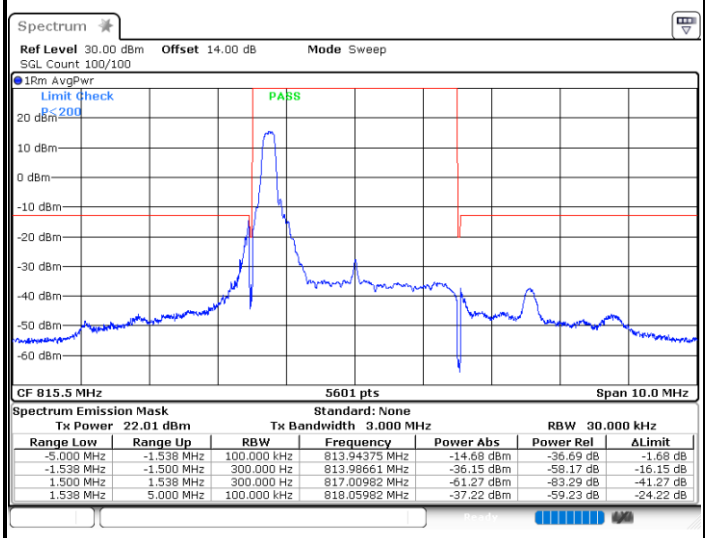


Highest Band Edge / Full RB



LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



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	813.94375 MHz	-14.68 dBm	-36.69 dB	-1.68 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.98661 MHz	-36.15 dBm	-58.17 dB	-16.15 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00982 MHz	-61.27 dBm	-83.29 dB	-41.27 dB
1.538 MHz	5.000 MHz	100.000 kHz	818.05982 MHz	-37.22 dBm	-59.23 dB	-24.22 dB

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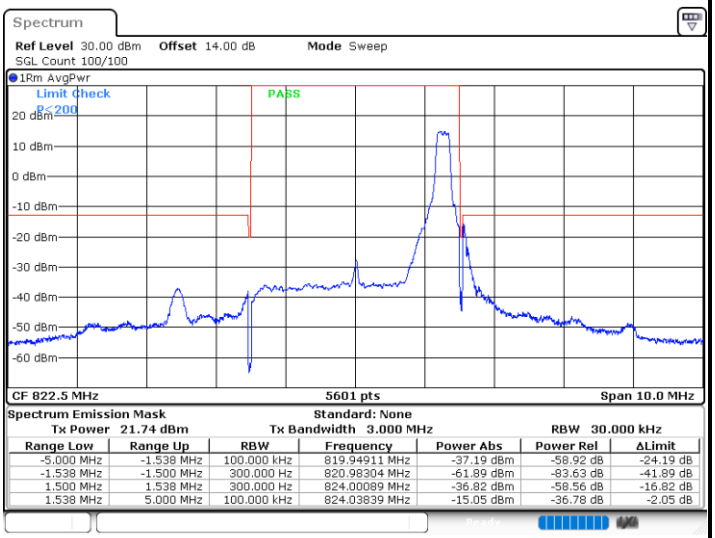
Highest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 21.74 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	819.94911 MHz	-37.19 dBm	-58.92 dB	-24.19 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.98304 MHz	-61.89 dBm	-83.63 dB	-41.89 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00089 MHz	-36.82 dBm	-58.56 dB	-16.82 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-15.05 dBm	-36.78 dB	-2.05 dB

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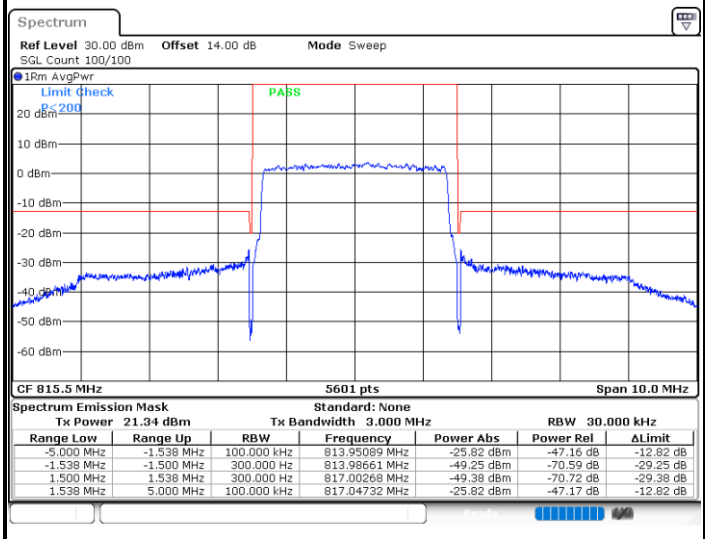
Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 21.34 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	813.95089 MHz	-25.82 dBm	-47.16 dB	-12.82 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.98661 MHz	-49.25 dBm	-70.59 dB	-29.25 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-49.38 dBm	-70.72 dB	-29.38 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04732 MHz	-25.82 dBm	-47.17 dB	-12.82 dB

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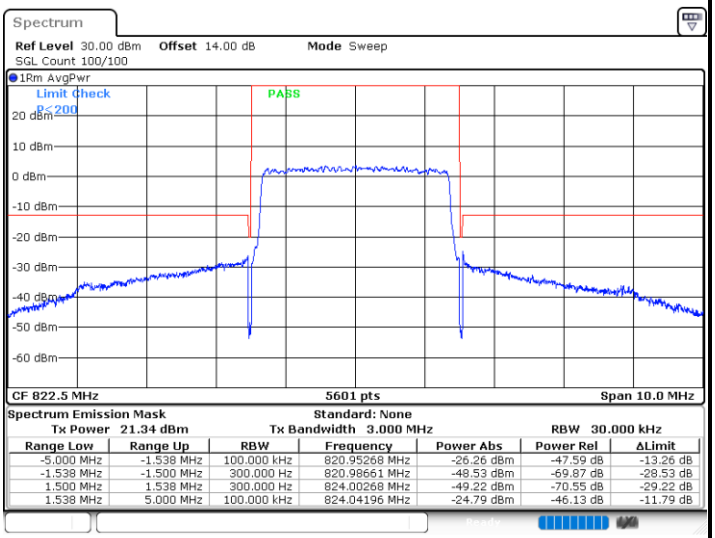
Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 21.34 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	820.95268 MHz	-26.26 dBm	-47.59 dB	-13.26 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.98661 MHz	-48.53 dBm	-69.87 dB	-28.53 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00268 MHz	-49.22 dBm	-70.55 dB	-29.22 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04196 MHz	-24.79 dBm	-46.13 dB	-11.79 dB

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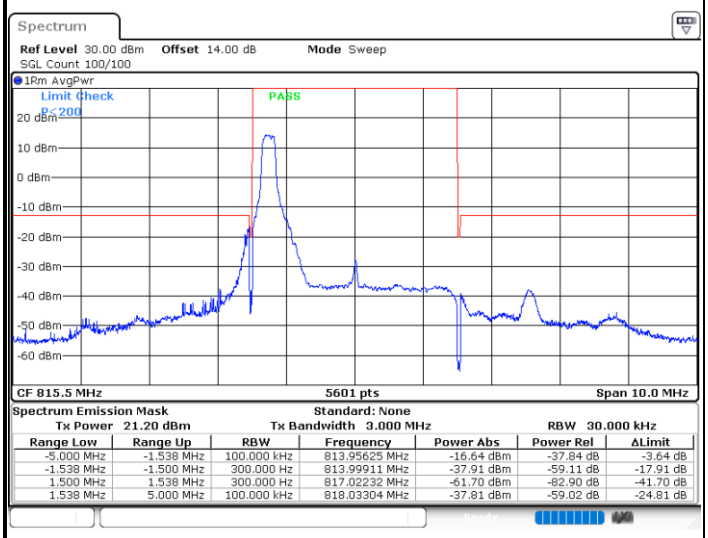
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 21.20 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	813.95625 MHz	-16.64 dBm	-37.84 dB	-3.64 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-37.91 dBm	-59.11 dB	-17.91 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.02232 MHz	-61.70 dBm	-82.90 dB	-41.70 dB
1.538 MHz	5.000 MHz	100.000 kHz	818.03304 MHz	-37.81 dBm	-59.02 dB	-24.81 dB

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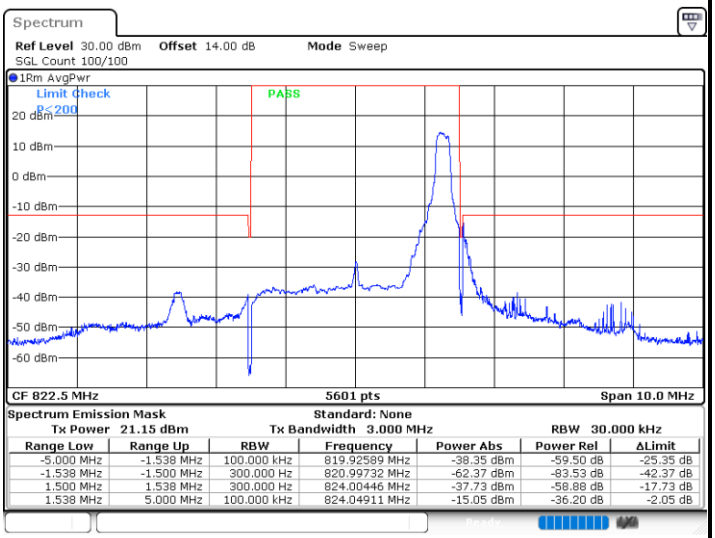
Highest Band Edge /1 RB



Spectrum Emission Mask Standard: None
Tx Power 21.15 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	819.92589 MHz	-38.35 dBm	-59.50 dB	-25.35 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99732 MHz	-62.37 dBm	-83.53 dB	-42.37 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00446 MHz	-37.73 dBm	-58.88 dB	-17.73 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04911 MHz	-15.05 dBm	-36.20 dB	-2.05 dB

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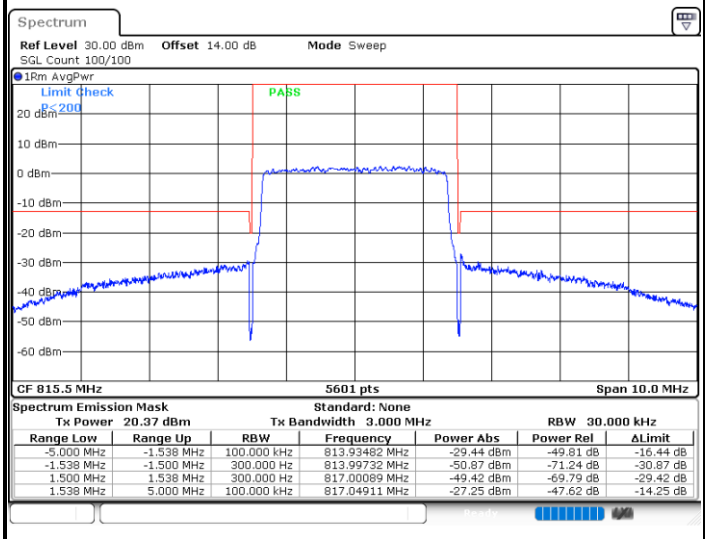
Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 20.37 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	813.93482 MHz	-29.44 dBm	-49.81 dB	-16.44 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99732 MHz	-50.87 dBm	-71.24 dB	-30.87 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00089 MHz	-49.42 dBm	-69.79 dB	-29.42 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04911 MHz	-27.25 dBm	-47.62 dB	-14.25 dB

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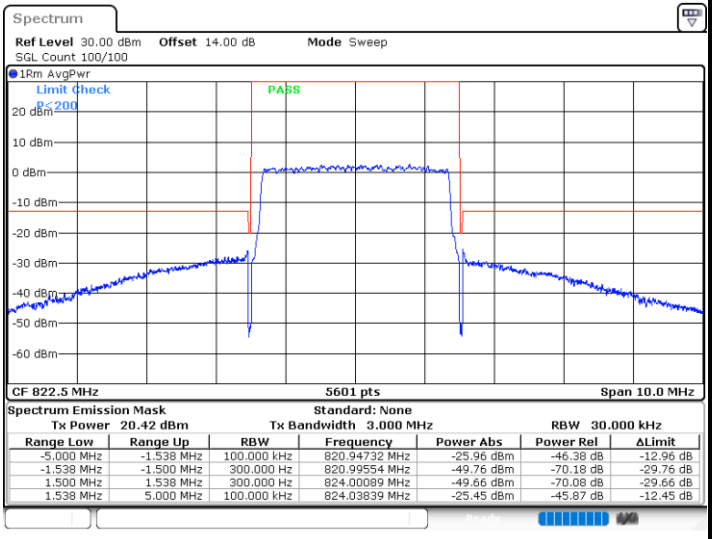
Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 20.42 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	-25.96 dBm	-46.38 dB	-12.96 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99554 MHz	-49.76 dBm	-70.18 dB	-29.76 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00089 MHz	-49.66 dBm	-70.08 dB	-29.66 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-25.45 dBm	-45.87 dB	-12.45 dB

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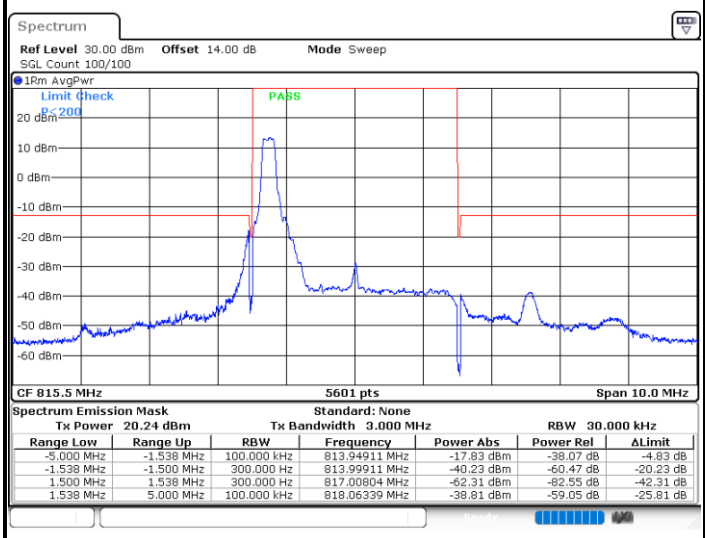
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 20.24 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	-17.83 dBm	-38.07 dB	-4.83 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-40.23 dBm	-60.47 dB	-20.23 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00804 MHz	-62.31 dBm	-82.55 dB	-42.31 dB
1.538 MHz	5.000 MHz	100.000 kHz	818.06339 MHz	-38.81 dBm	-59.05 dB	-25.81 dB

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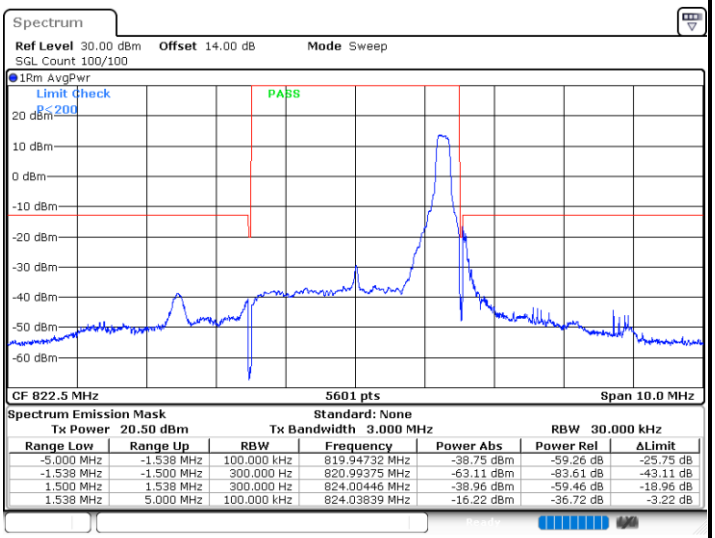
Highest Band Edge /1 RB



Spectrum Emission Mask Standard: None
Tx Power 20.50 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	819.94732 MHz	-38.75 dBm	-59.26 dB	-25.75 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99375 MHz	-63.11 dBm	-83.61 dB	-43.11 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00446 MHz	-38.96 dBm	-59.46 dB	-18.96 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.03839 MHz	-16.22 dBm	-36.72 dB	-3.22 dB

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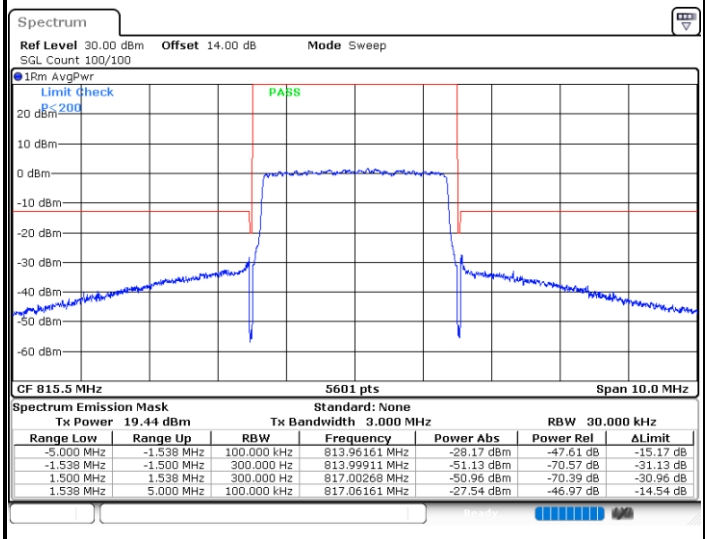
Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 19.44 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	-28.17 dBm	-47.61 dB	-15.17 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-51.13 dBm	-70.57 dB	-31.13 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-50.96 dBm	-70.39 dB	-30.96 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.06161 MHz	-27.54 dBm	-46.97 dB	-14.54 dB

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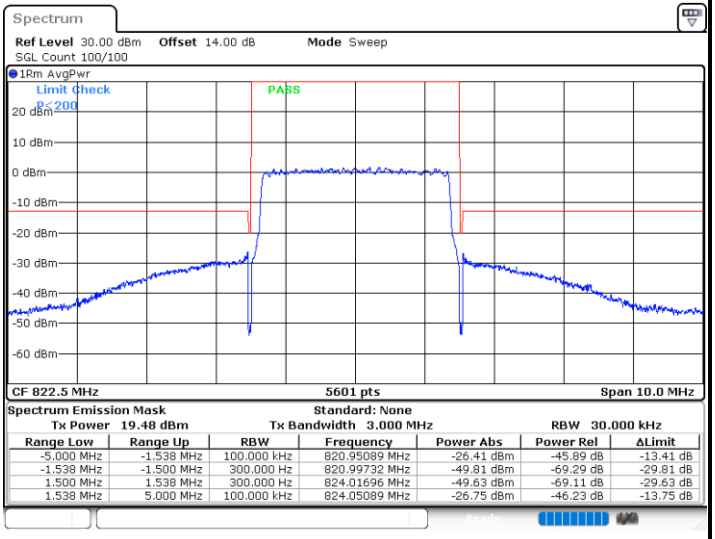
Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 19.48 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	820.95089 MHz	-26.41 dBm	-45.89 dB	-13.41 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99732 MHz	-49.81 dBm	-69.29 dB	-29.81 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.01696 MHz	-49.63 dBm	-69.11 dB	-29.63 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.05089 MHz	-26.75 dBm	-46.23 dB	-13.75 dB

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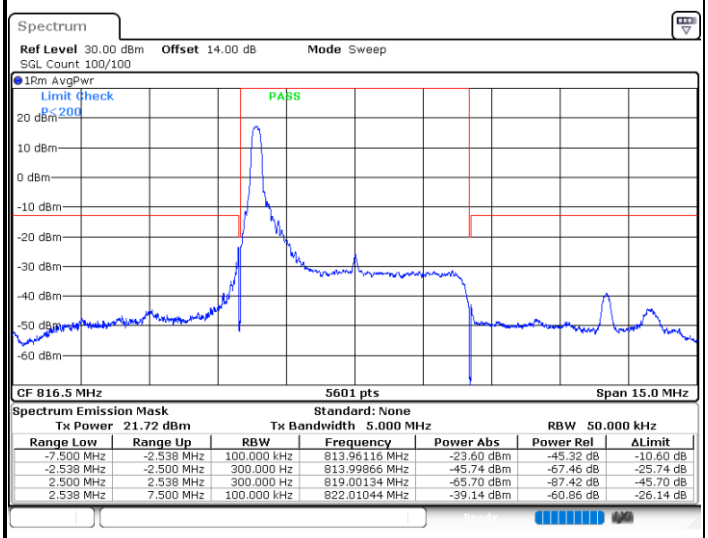
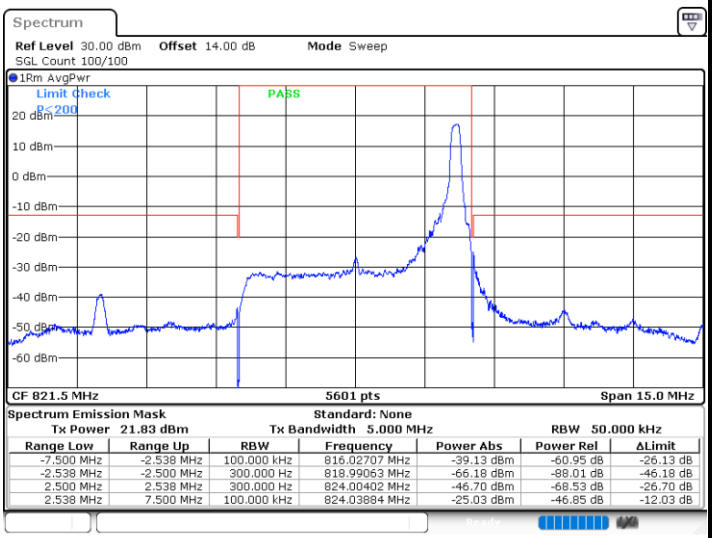
LTE Band 26 / 5MHz / QPSK

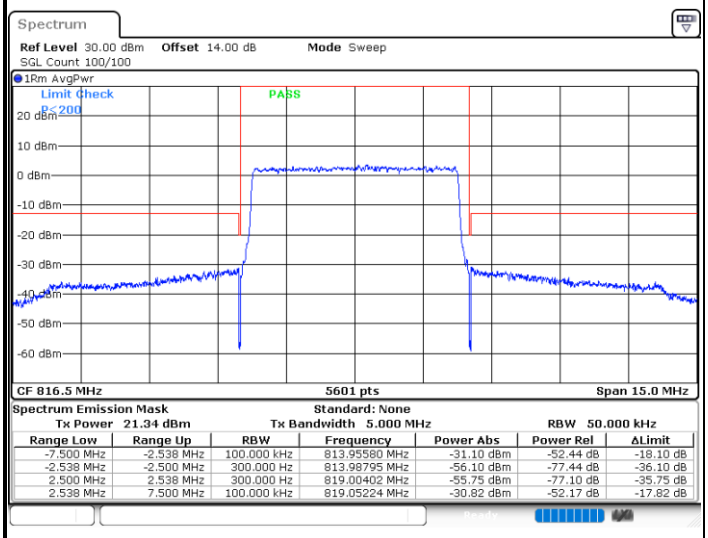
Lowest Band Edge / 1 RB



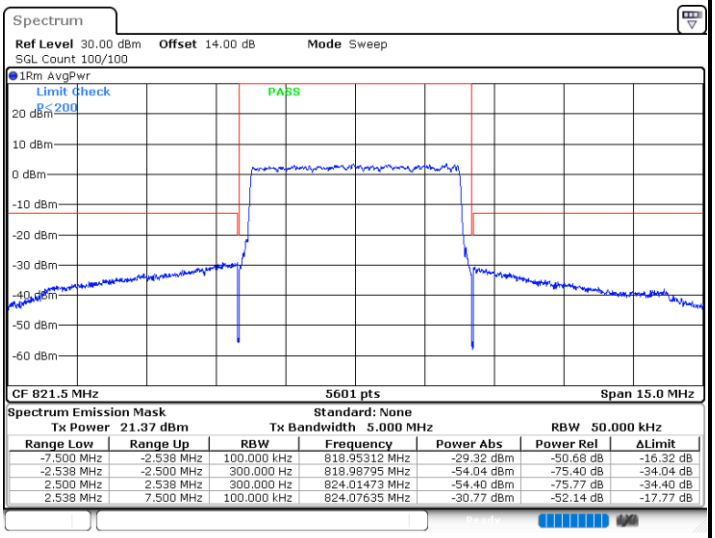
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

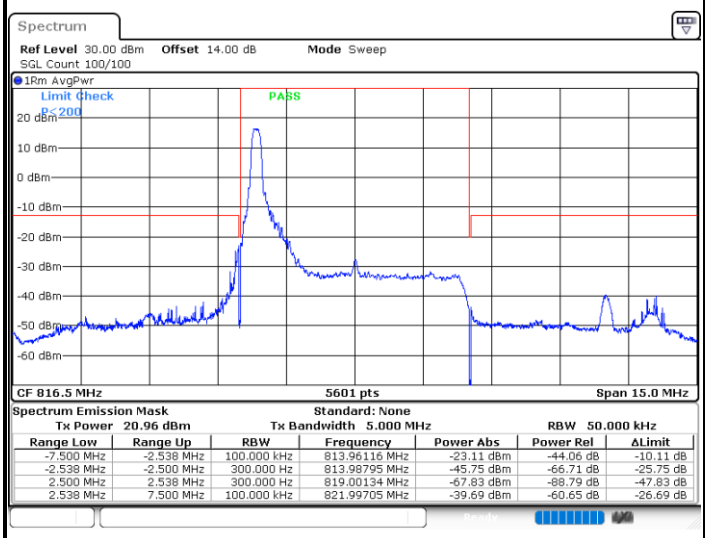


Highest Band Edge / Full RB

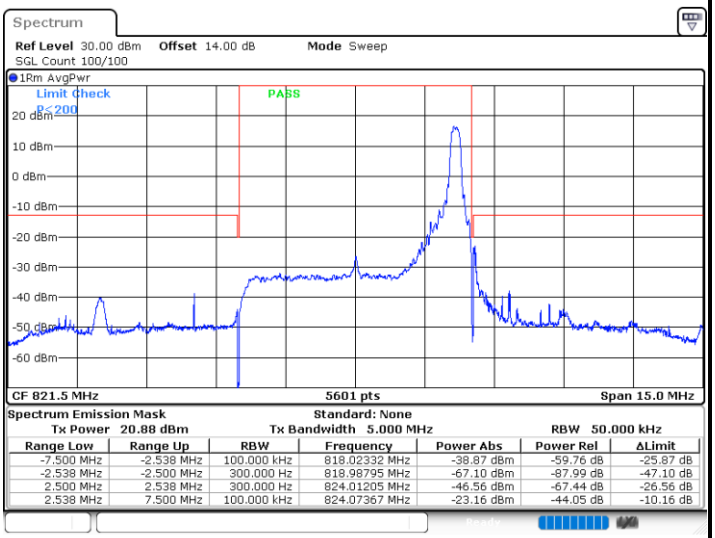


LTE Band 26 / 5MHz / 16QAM

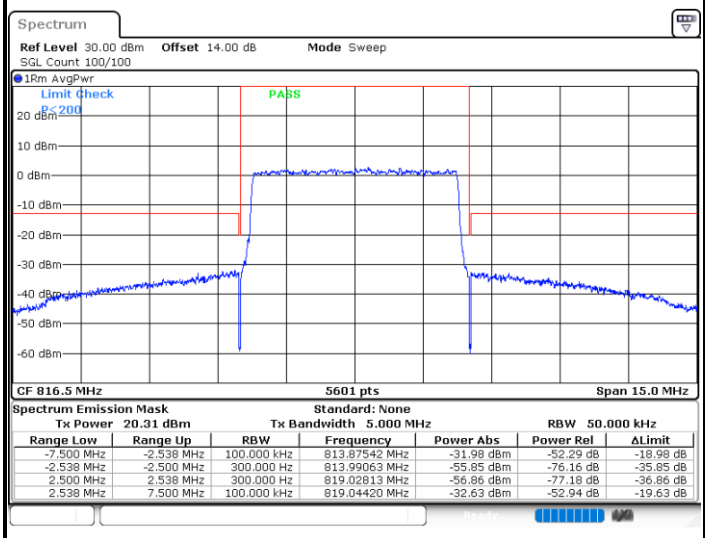
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB