FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2303-1, XT2303-2
FCC ID	:	IHDT56AL6
STANDARD	:	47 CFR Part 2, and 90(S)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Feb. 14, 2023 ~ Feb. 28, 2023

We, Sporton International Inc. (Kunshan), 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.

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

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.02

Sporton International Inc. (Kunshan)
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG320205D	Rev. 01	Initial issue of report	Mar. 21, 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 45.43 dB at 2443.77 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

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2303-1, XT2303-2
FCC ID	IHDT56AL6
IMEI Code	Conducted: 355747230007103/358543770017397 Radiation: 358543770018593/358543770018601
HW Version	DVT2
SW Version	TTL33.38
EUT Stage	Identical Prototype

Remark:
1. The above EUT's information was declared by manufacturer. Please refer to the specificationsor user's manual for more detailed description.
2. The two model names: XT2303-1 is USIM(DS/SS) sample and XT2303-2 is eSIM + USIM(SS) sample.

1.4 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	**Ant 0:** 22.73 dBm **Ant 1:** 23.51 dBm
Antenna Gain	**Ant 0:** -5.5 dBi **Ant 1:** -6 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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

1.6 Specification of Accessory

Accessories Information				
AC Adapter 1 (US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-681N
AC Adapter 1 (EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-682N
AC Adapter 1 (UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-683N
AC Adapter 1 (AU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-685N
AC Adapter 1 (AR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-686N
AC Adapter 1 (BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-687N
AC Adapter 1 (CHILE)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-689N
AC Adapter 1 (KR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-680N
AC Adapter 2 (US)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-681N
AC Adapter 2 (EU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-682N
AC Adapter 2 (UK)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-683N
AC Adapter 2 (AU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-685N
AC Adapter 2 (AR)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-686N
AC Adapter 2 (BR)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-687N
AC Adapter 3 (IN)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-684N
Battery	**Brand Name**	Motorola (ATL)	**Model Name**	NP44
Earphone	**Brand Name**	Motorola(Lyand)	**Model Name**	MI181C(SH38D62338)
USB Cable	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D71644

1.7 Maximum Conducted Power and Emission Designator

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	0.2203	1M09G7D	0.1754	1M10W7D
3	815.5 ~ 822.5	0.2193	2M72G7D	0.1746	2M73W7D
5	816.5 ~ 821.5	0.2183	4M50G7D	0.1758	4M50W7D
10	819.0	0.2193	8M99G7D	0.1746	9M01W7D
15	824	0.2244	13M5G7D	0.1770	13M5W7D

1.8 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS	CN1257	314309

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

1.9 Test Software

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

1.10 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

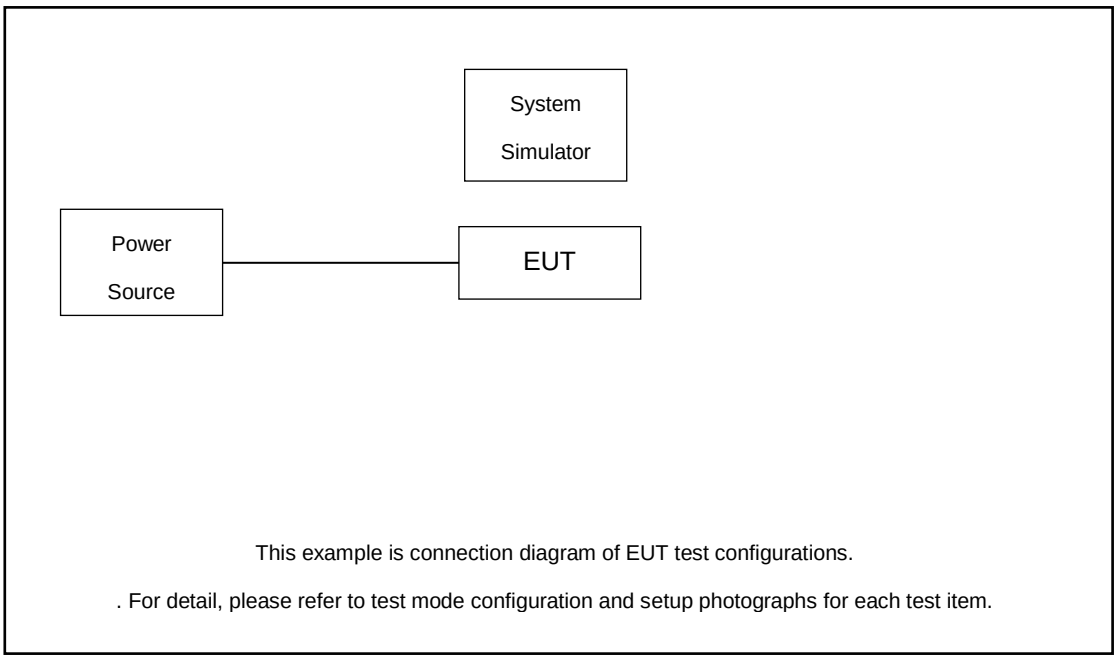
2.1 Test Mode

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.

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	16Q AM	64Q AM	1	Half	Full	L	M	H
Max. Output Power	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	26				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
Frequency Stability	26				v		-	v					v		v	
Radiated Spurious Emission	26				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.															

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 5.0 dB and a 10dB attenuator.

Example :

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

= 5.0 + 10 = 15.0 (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.

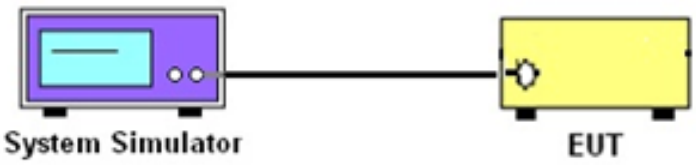
3.1.2 Measuring Instruments

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.

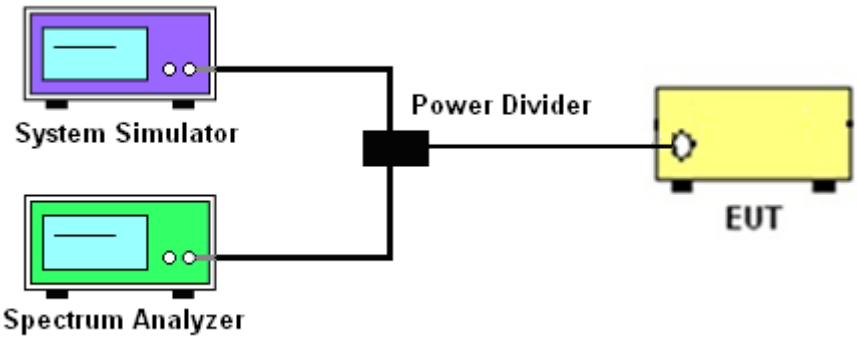
3.2.2 Measuring Instruments

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.

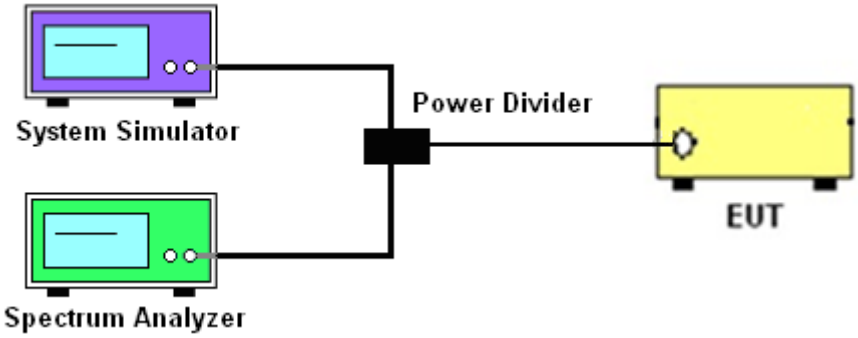
3.3.2 Measuring Instruments

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.

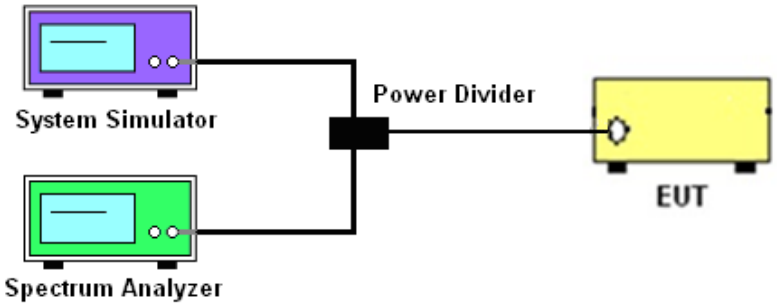
3.4.2 Measuring Instruments

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/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

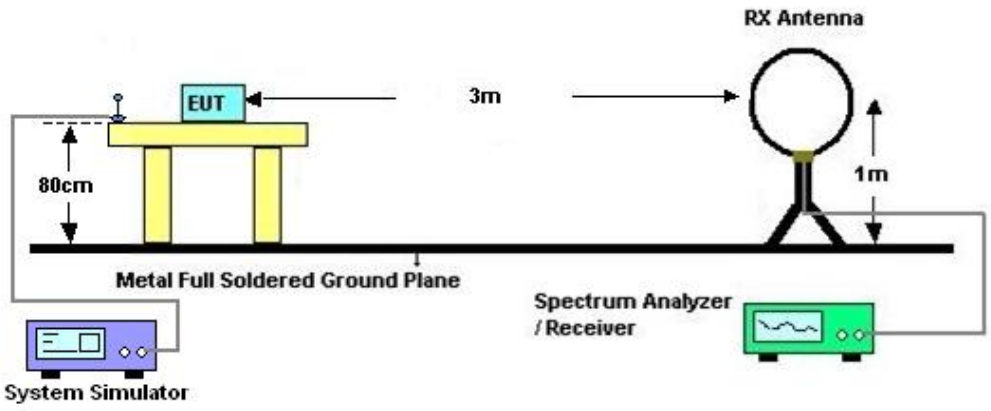
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

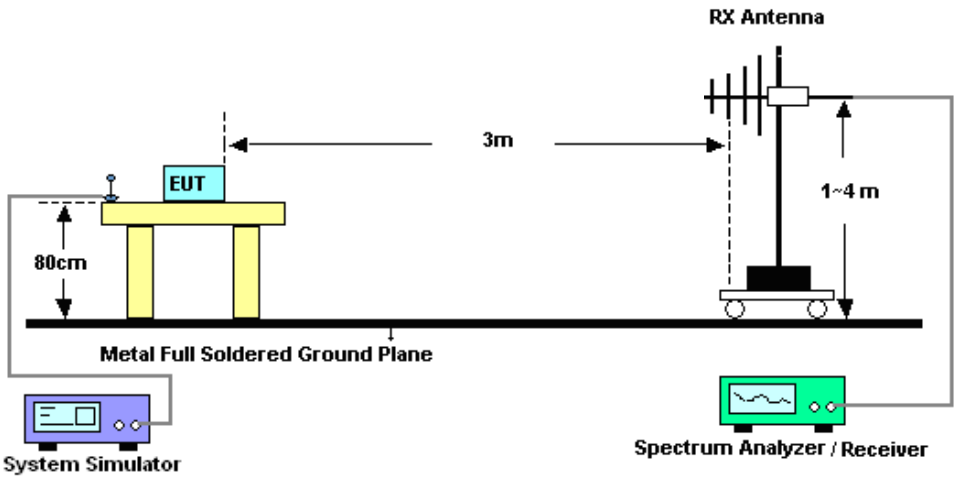
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position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

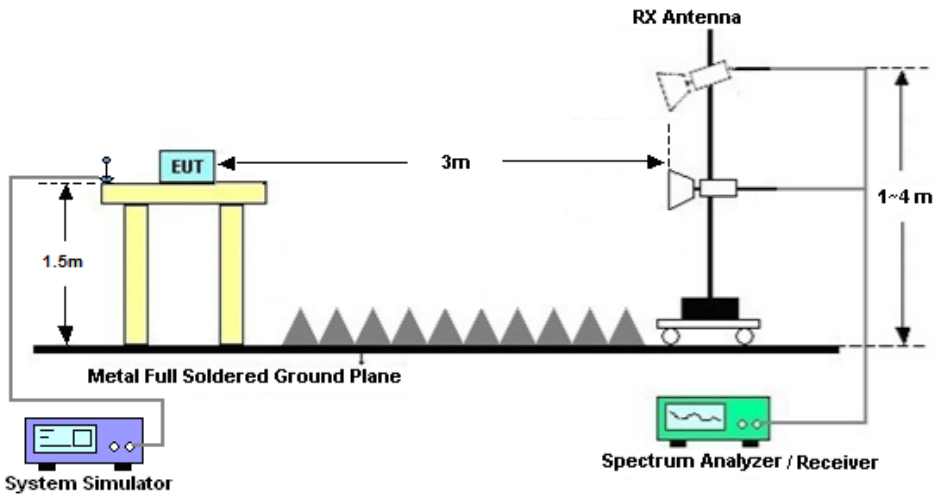
For radiated test from 30MHz



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.

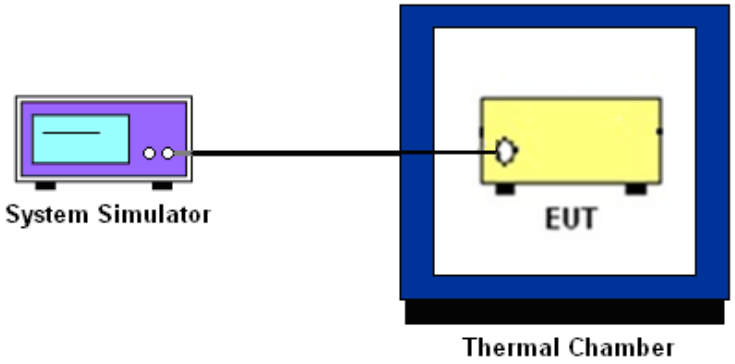
3.6.3 Test Procedures for Temperature Variation

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	Feb. 24, 2023~ Feb. 28, 2023	Apr. 08, 2023	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 17, 2022	Feb. 24, 2023~ Feb. 28, 2023	Oct. 16, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	Feb. 24, 2023~ Feb. 28, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Feb. 24, 2023~ Feb. 28, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 12, 2022	Feb. 14, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Feb. 14, 2023	Oct. 29, 2022	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 24, 2022	Feb. 14, 2023	May 23, 2023	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Oct. 16, 2022	Feb. 14, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	May 24, 2022	Feb. 14, 2023	May 23, 2023	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 12, 2022	Feb. 14, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 12, 2022	Feb. 14, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Feb. 14, 2023	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 14, 2023	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Feb. 14, 2023	NCR	Radiation (03CH04-KS)

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))	3.3dB

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

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

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

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power)

<Ant.1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26765		26790
Frequency (MHz)				821.5		824
15	QPSK	1	0	23.51		23.51
15	QPSK	1	37	23.37		23.28
15	QPSK	1	74	23.21		23.19
15	QPSK	36	0	22.24		22.31
15	QPSK	36	20	22.15		22.19
15	QPSK	36	39	22.22		22.29
15	QPSK	75	0	22.36		22.24
15	16QAM	1	0	22.37		22.48
15	16QAM	1	37	22.33		22.33
15	16QAM	1	74	22.43		22.40
15	16QAM	36	0	21.24		21.25
15	16QAM	36	20	21.22		21.21
15	16QAM	36	39	21.22		21.22
15	16QAM	75	0	21.26		21.30
15	64QAM	1	0	21.34		21.46
15	64QAM	1	37	21.29		21.23
15	64QAM	1	74	21.26		21.26
15	64QAM	36	0	20.23		20.26
15	64QAM	36	20	20.13		20.22
15	64QAM	36	39	20.15		20.16
15	64QAM	75	0	20.25		20.23
Channel					26740	
Frequency (MHz)					819	
10	QPSK	1	0		23.41	
10	QPSK	1	25		23.35	
10	QPSK	1	49		23.19	
10	QPSK	25	0		22.35	
10	QPSK	25	12		22.21	
10	QPSK	25	25		22.23	
10	QPSK	50	0		22.33	
10	16QAM	1	0		22.42	
10	16QAM	1	25		22.33	
10	16QAM	1	49		22.37	
10	16QAM	25	0		21.28	

10	16QAM	25	12		21.14	
10	16QAM	25	25		21.23	
10	16QAM	50	0		21.26	
10	64QAM	1	0		21.36	
10	64QAM	1	25		21.28	
10	64QAM	1	49		21.16	
10	64QAM	25	0		20.17	
10	64QAM	25	12		20.14	
10	64QAM	25	25		20.16	
10	64QAM	50	0		20.14	
Channel				26715	26740	26765
Frequency (MHz)				816.5	819	821.5
5	QPSK	1	0	23.32	23.31	23.18
5	QPSK	1	12	23.30	23.39	23.24
5	QPSK	1	24	23.13	23.10	23.13
5	QPSK	12	0	22.09	22.27	22.24
5	QPSK	12	7	22.08	22.24	22.07
5	QPSK	12	13	22.18	22.20	22.18
5	QPSK	25	0	22.27	22.24	22.10
5	16QAM	1	0	22.29	22.45	22.45
5	16QAM	1	12	22.24	22.32	22.26
5	16QAM	1	24	22.32	22.43	22.32
5	16QAM	12	0	21.13	21.21	21.20
5	16QAM	12	7	21.18	21.18	21.05
5	16QAM	12	13	21.07	21.15	21.10
5	16QAM	25	0	21.18	21.26	21.23
5	64QAM	1	0	21.31	21.46	21.29
5	64QAM	1	12	21.22	21.34	21.09
5	64QAM	1	24	21.11	21.22	21.16
5	64QAM	12	0	20.18	20.23	20.23
5	64QAM	12	7	19.98	20.25	20.14
5	64QAM	12	13	20.06	20.12	20.14
5	64QAM	25	0	20.08	20.24	20.17
Channel				26705	26740	26775
Frequency (MHz)				815.5	819	822.5
3	QPSK	1	0	23.29	23.41	23.18
3	QPSK	1	8	23.26	23.24	23.19
3	QPSK	1	14	23.13	23.09	23.13
3	QPSK	8	0	22.18	22.34	22.21
3	QPSK	8	4	22.03	22.23	22.13
3	QPSK	8	7	22.10	22.16	22.17
3	QPSK	15	0	22.32	22.25	22.16
3	16QAM	1	0	22.30	22.42	22.37
3	16QAM	1	8	22.31	22.33	22.21
3	16QAM	1	14	22.35	22.42	22.38

3	16QAM	8	0	21.13	21.34	21.21
3	16QAM	8	4	21.17	21.21	21.07
3	16QAM	8	7	21.12	21.16	21.11
3	16QAM	15	0	21.17	21.24	21.22
3	64QAM	1	0	21.30	21.46	21.34
3	64QAM	1	8	21.26	21.23	21.14
3	64QAM	1	14	21.12	21.18	21.18
3	64QAM	8	0	20.06	20.29	20.19
3	64QAM	8	4	20.06	20.14	20.16
3	64QAM	8	7	20.04	20.19	20.08
3	64QAM	15	0	20.12	20.21	20.10
Channel				26697	26740	26783
Frequency (MHz)				814.7	819	823.3
1.4	QPSK	1	0	23.33	23.43	23.14
1.4	QPSK	1	3	23.31	23.33	23.17
1.4	QPSK	1	5	23.14	23.16	23.11
1.4	QPSK	3	0	23.16	23.35	23.28
1.4	QPSK	3	1	23.11	23.28	23.05
1.4	QPSK	3	3	23.10	23.24	23.15
1.4	QPSK	6	0	22.32	22.36	22.17
1.4	16QAM	1	0	22.29	22.38	22.44
1.4	16QAM	1	3	22.23	22.27	22.19
1.4	16QAM	1	5	22.29	22.40	22.30
1.4	16QAM	3	0	22.21	22.35	22.15
1.4	16QAM	3	1	22.06	22.16	22.10
1.4	16QAM	3	3	22.20	22.18	22.06
1.4	16QAM	6	0	21.16	21.23	21.15
1.4	64QAM	1	0	21.18	21.38	21.42
1.4	64QAM	1	3	21.22	21.24	21.13
1.4	64QAM	1	5	21.16	21.28	21.12
1.4	64QAM	3	0	21.12	21.26	21.19
1.4	64QAM	3	1	20.97	21.18	21.17
1.4	64QAM	3	3	21.07	21.13	21.02
1.4	64QAM	6	0	20.11	20.25	20.09

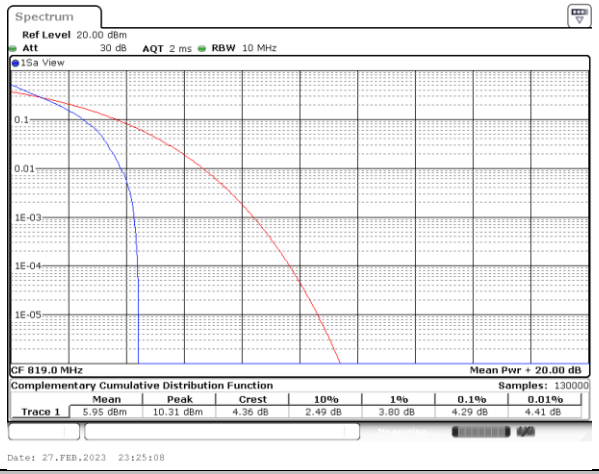
LTE Band 26

Peak-to-Average Ratio

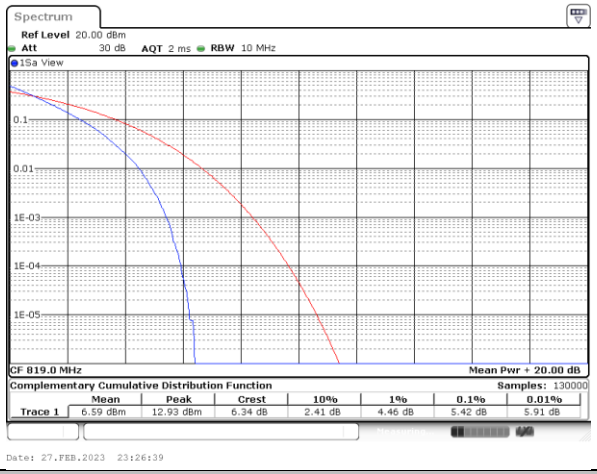
Mode	LTE Band 26 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.29	5.42	5.45	6.14	
Highest CH	-	-	-	-	
Mode	LTE Band 26 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	6.09	6.26	-	-	
Highest CH	-	-	-	-	

LTE Band 26 / 10MHz / QPSK

Middle Channel / 1RB

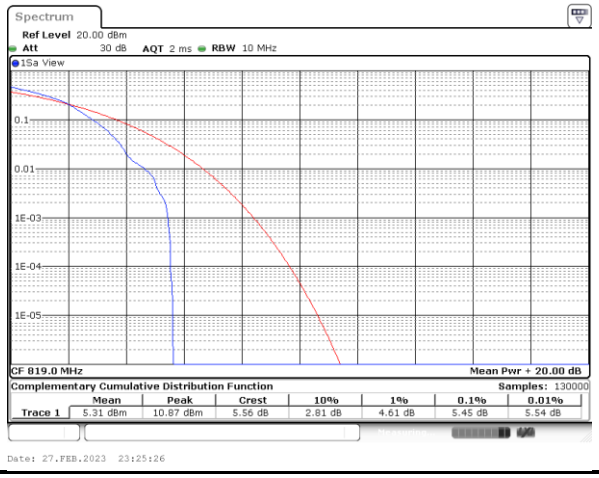


Middle Channel / Full RB

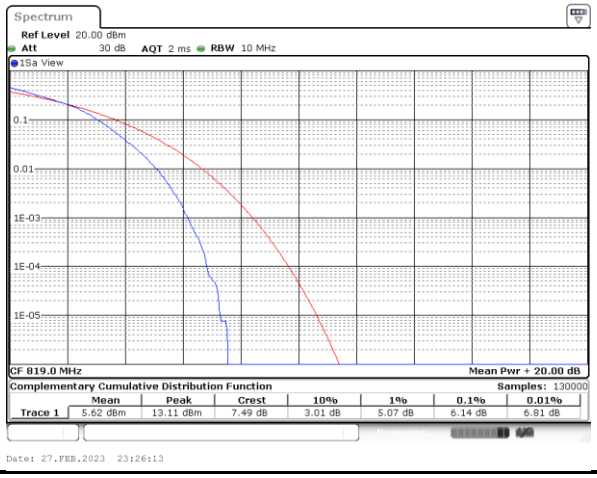


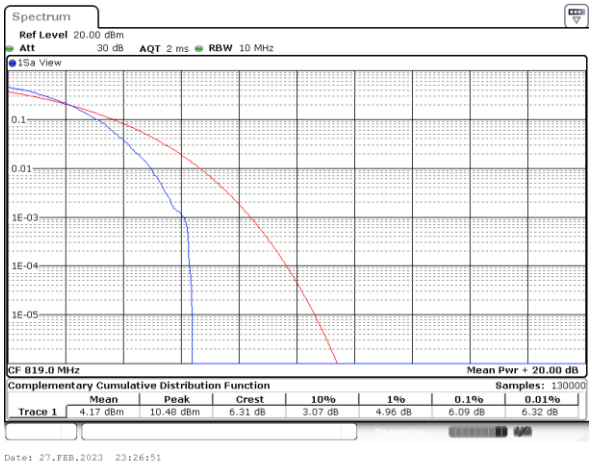
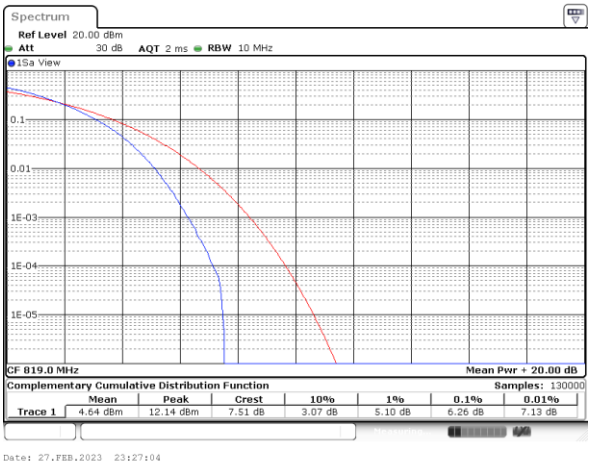
LTE Band 26 / 10MHz / 16QAM

Middle Channel / 1RB



Middle Channel / Full RB



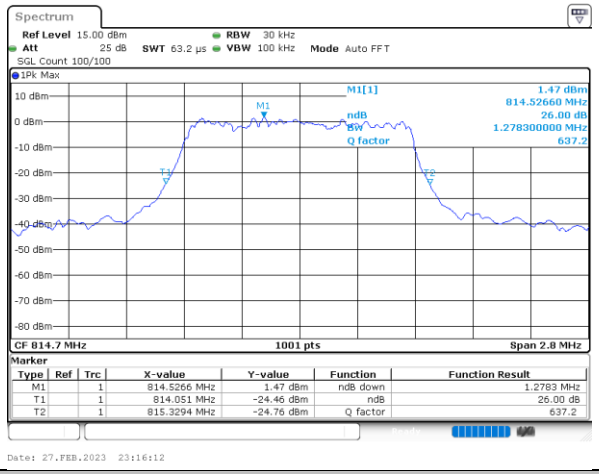
LTE Band 26 / 10MHz / 64QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

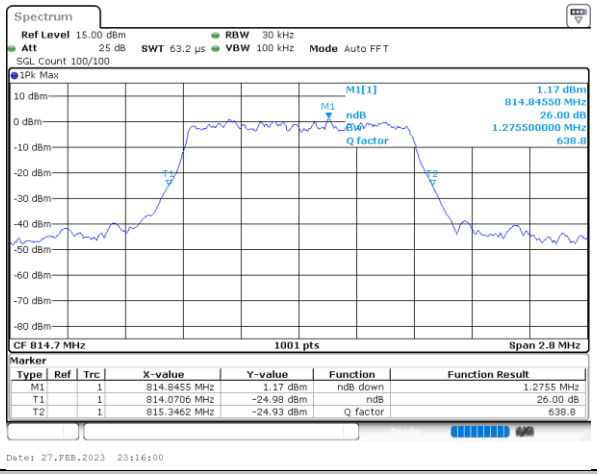
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.28	3.00	2.97	4.82	4.92	-	-	14.27	14.21	-	-
Middle CH	1.23	1.27	2.96	2.97	4.83	4.86	9.65	9.65	-	-	-	-
Highest CH	1.28	1.26	2.97	2.95	4.90	4.88	-	-	14.57	14.51	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27	-	2.97	-	4.87	-	-	-	14.18	-	-	-
Middle CH	1.31	-	2.94	-	4.93	-	9.91	-	-	-	-	-
Highest CH	1.27	-	2.95	-	4.77	-	-	-	14.36	-	-	-

LTE Band 26

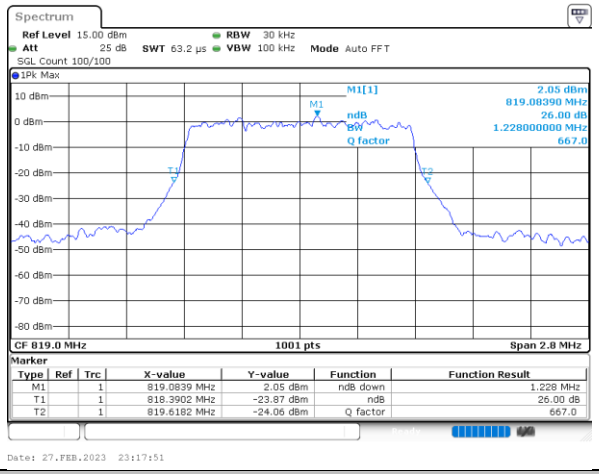
Lowest Channel / 1.4MHz / QPSK



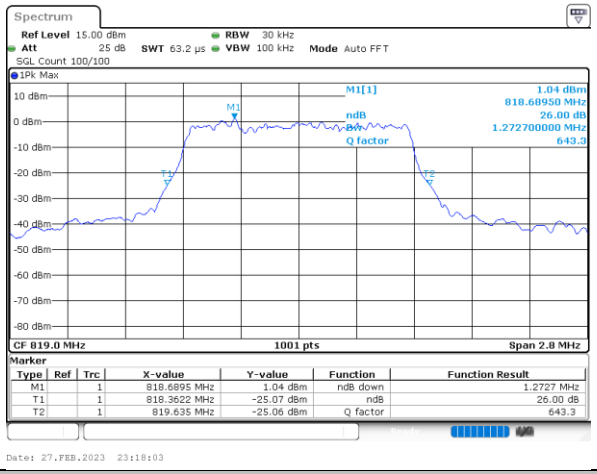
Lowest Channel / 1.4MHz / 16QAM



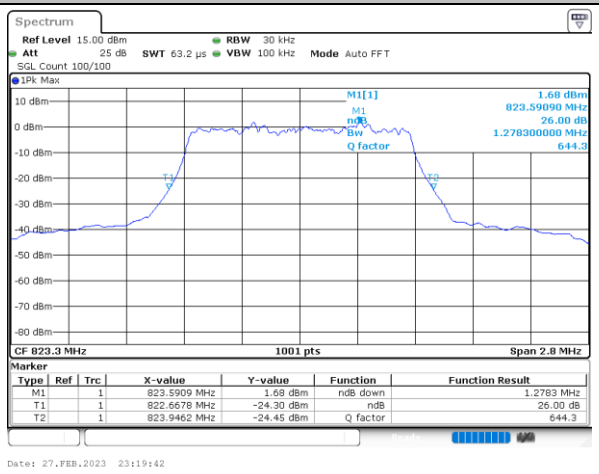
Middle Channel / 1.4MHz / QPSK



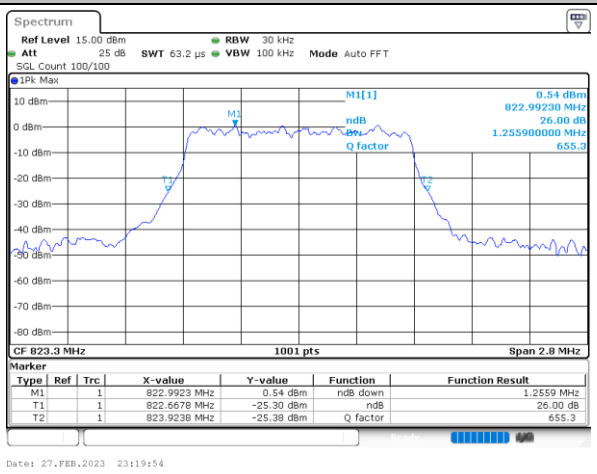
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

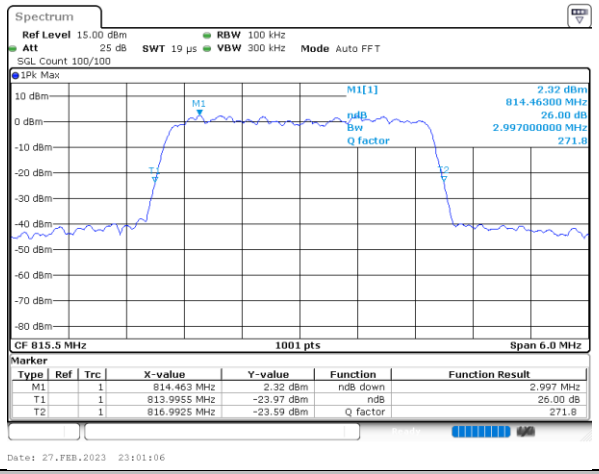


Highest Channel / 1.4MHz / 16QAM

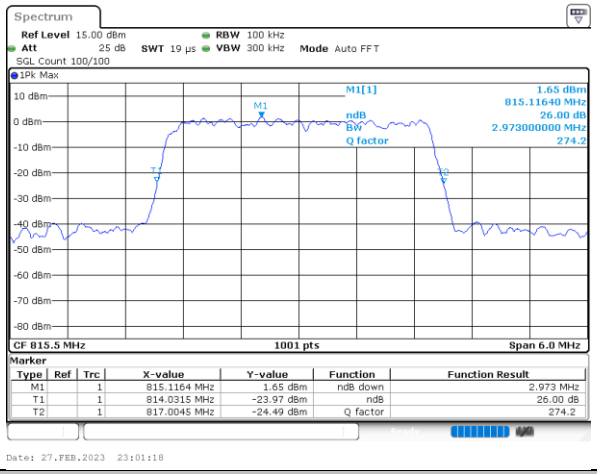


LTE Band 26

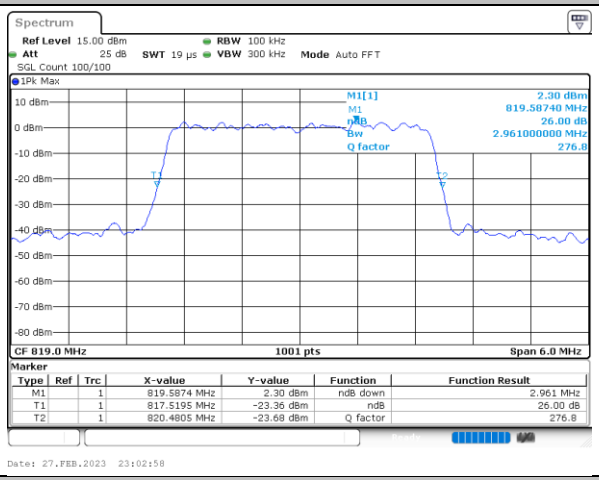
Lowest Channel / 3MHz / QPSK



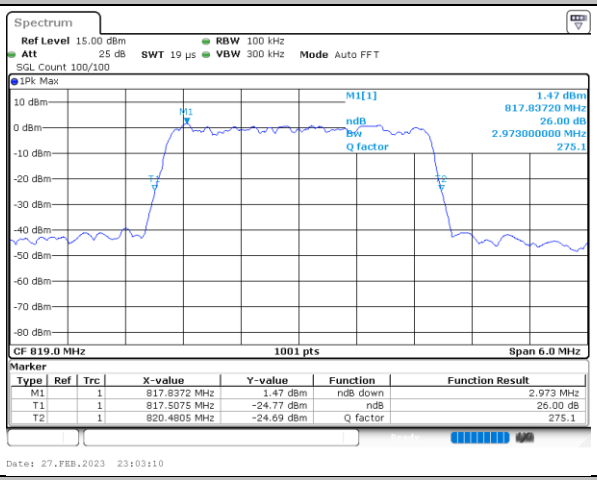
Lowest Channel / 3MHz / 16QAM



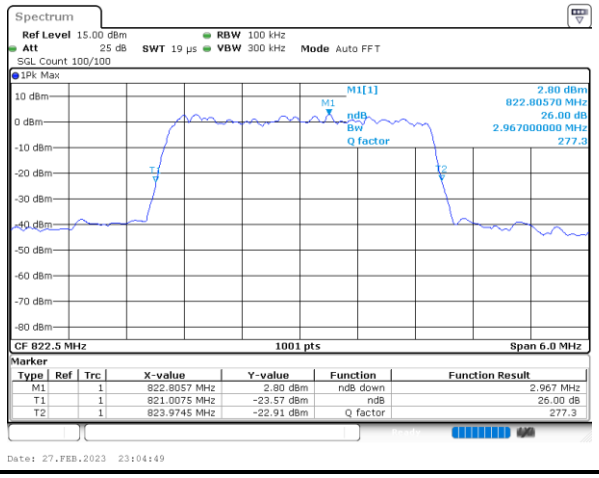
Middle Channel / 3MHz / QPSK



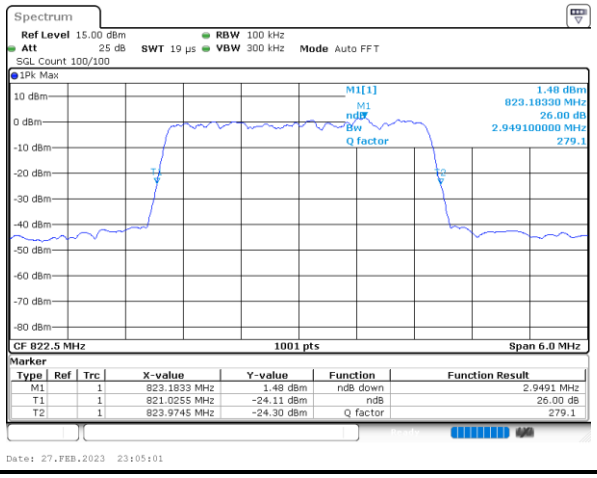
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

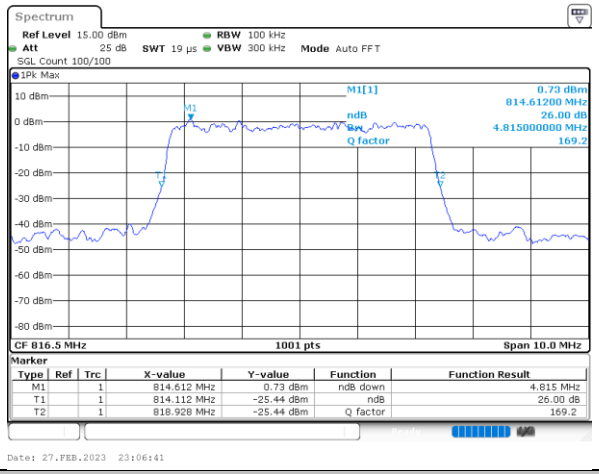


Highest Channel / 3MHz / 16QAM

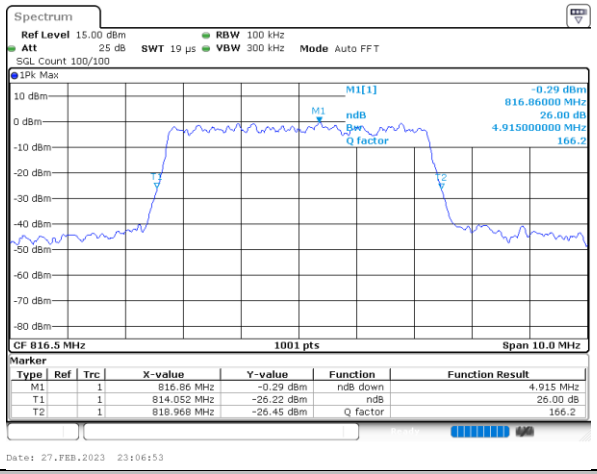


LTE Band 26

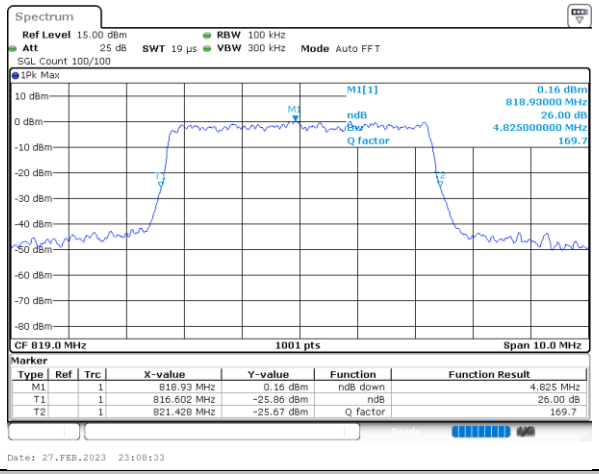
Lowest Channel / 5MHz / QPSK



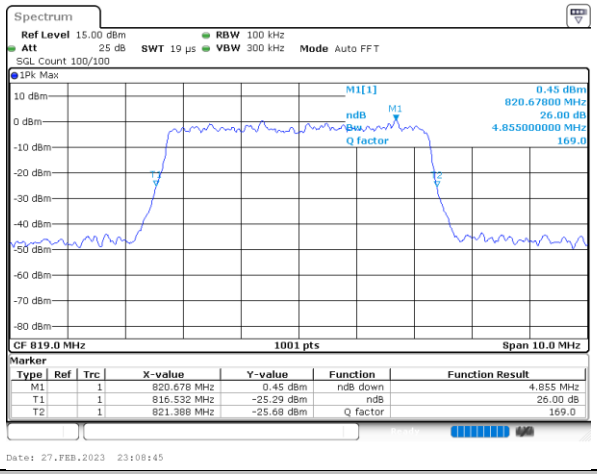
Lowest Channel / 5MHz / 16QAM



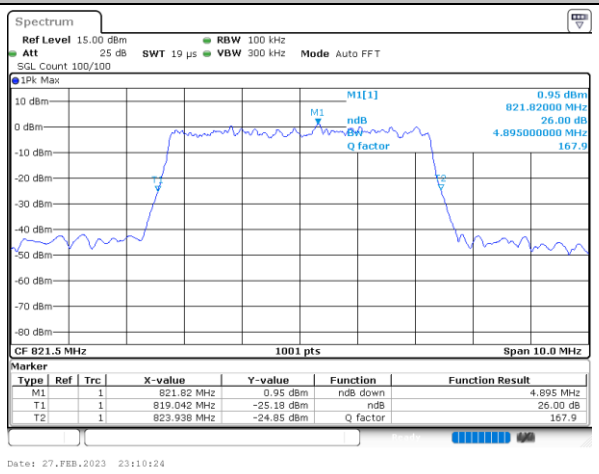
Middle Channel / 5MHz / QPSK



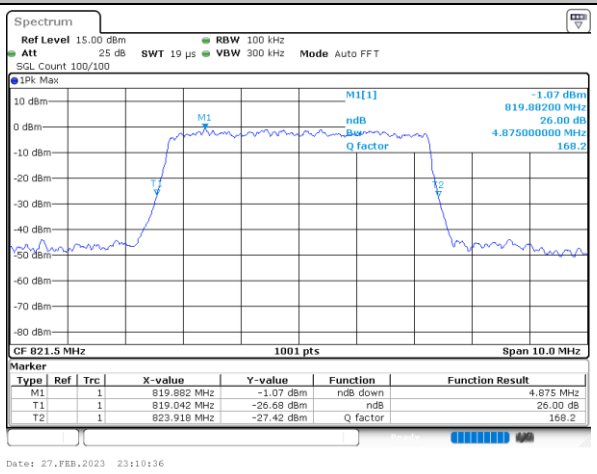
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

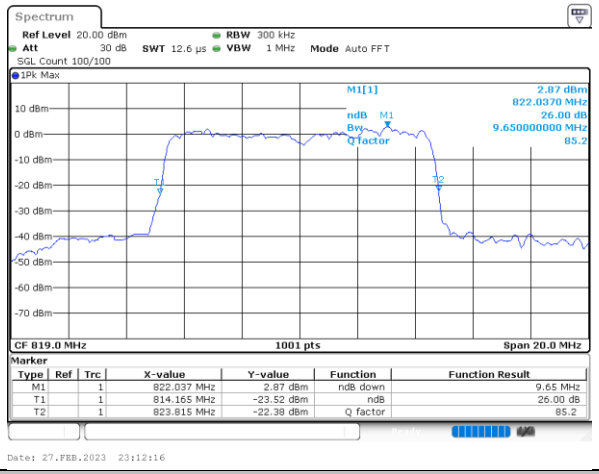


Highest Channel / 5MHz / 16QAM

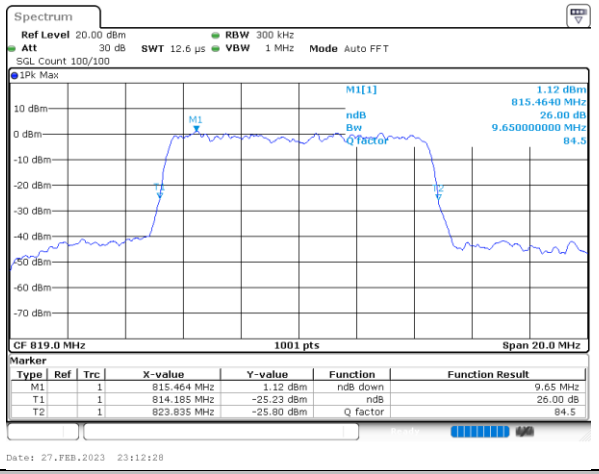


LTE Band 26

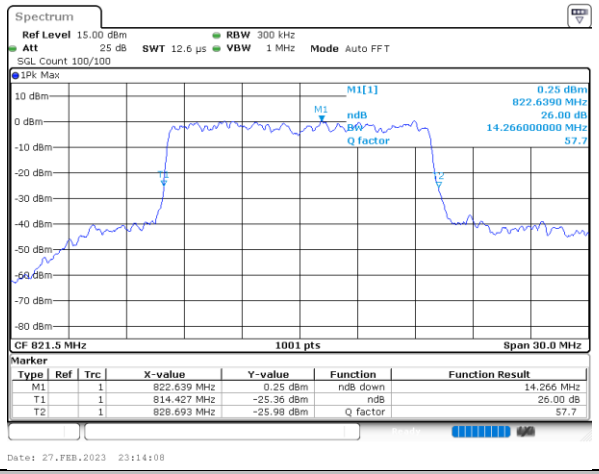
Middle Channel / 10MHz / QPSK



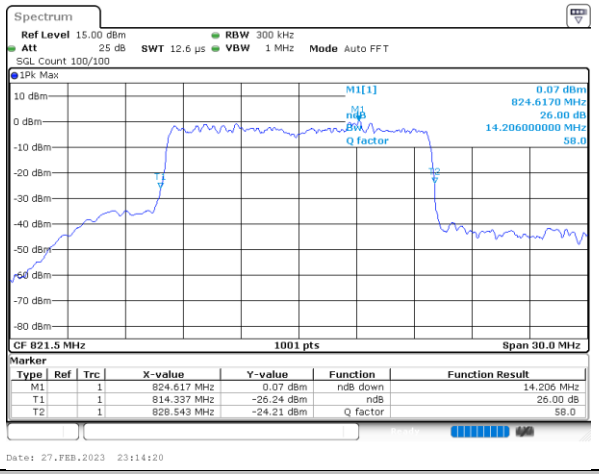
Middle Channel / 10MHz / 16QAM



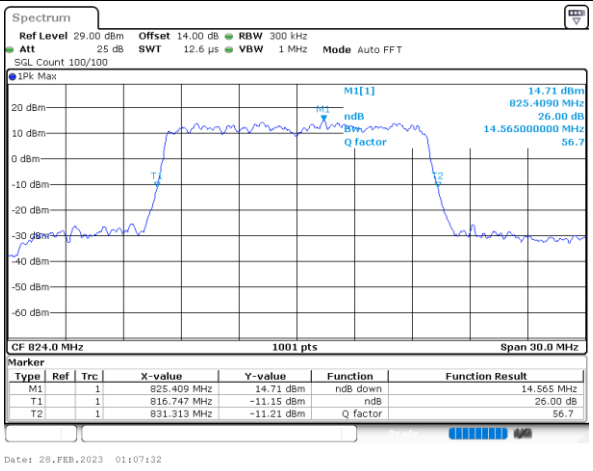
Lowest Channel / 15MHz / QPSK



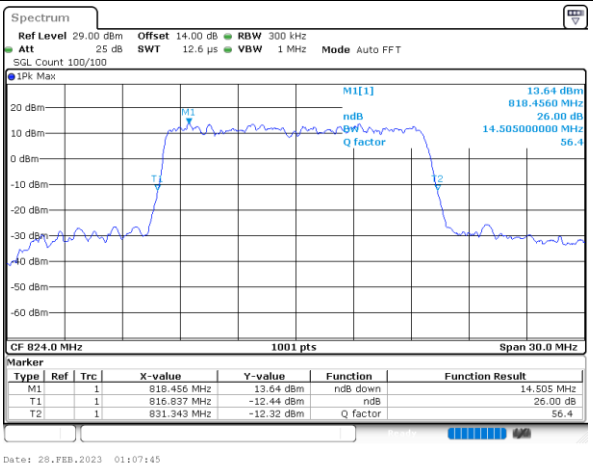
Lowest Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

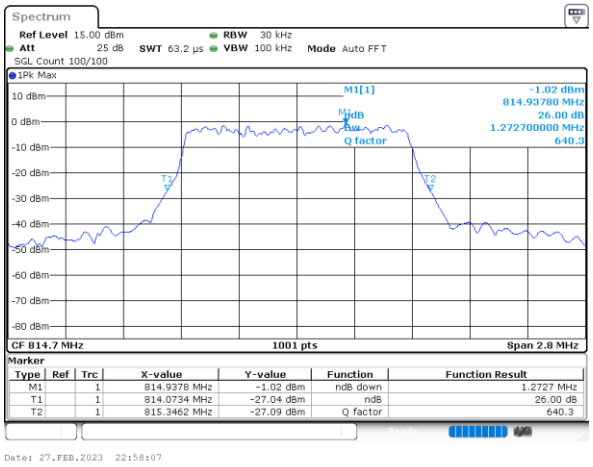


Highest Channel / 15MHz / 16QAM

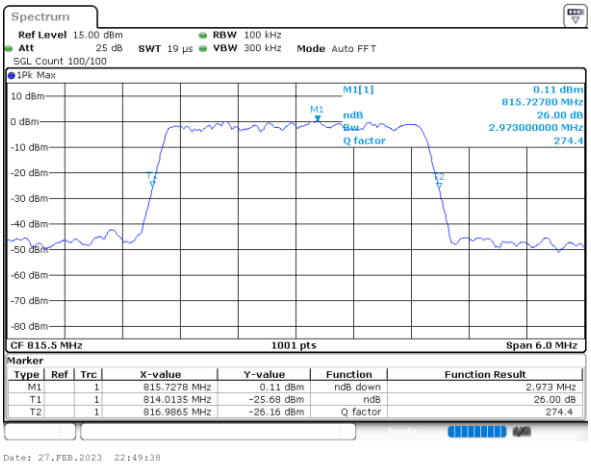


LTE Band 26

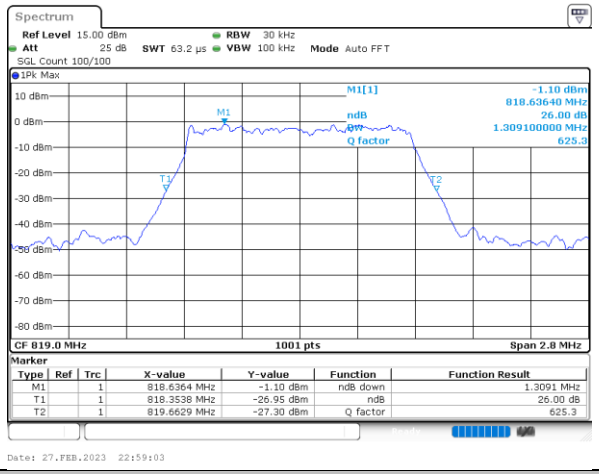
Lowest Channel / 1.4MHz / 64QAM



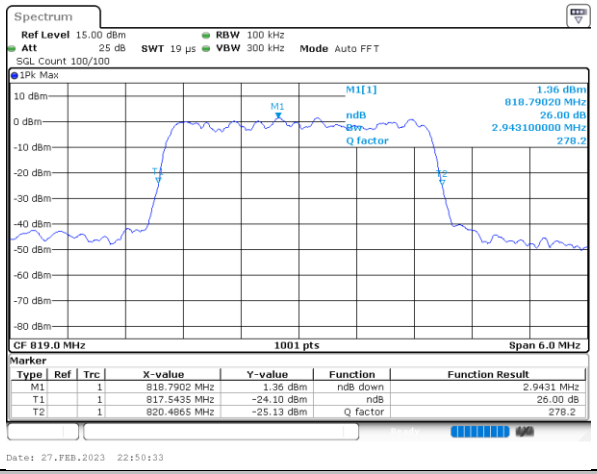
Lowest Channel / 3MHz / 64QAM



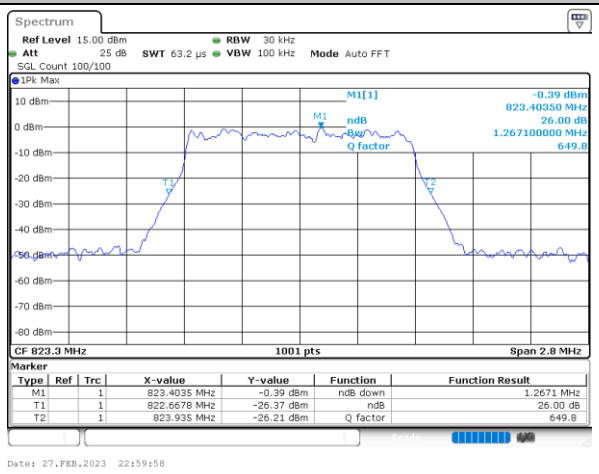
Middle Channel / 1.4MHz / 64QAM



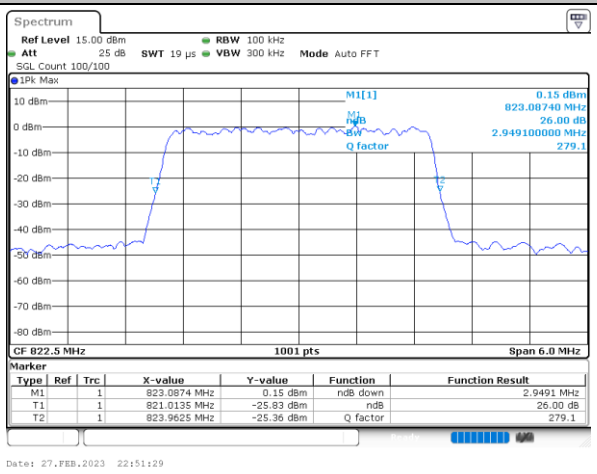
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

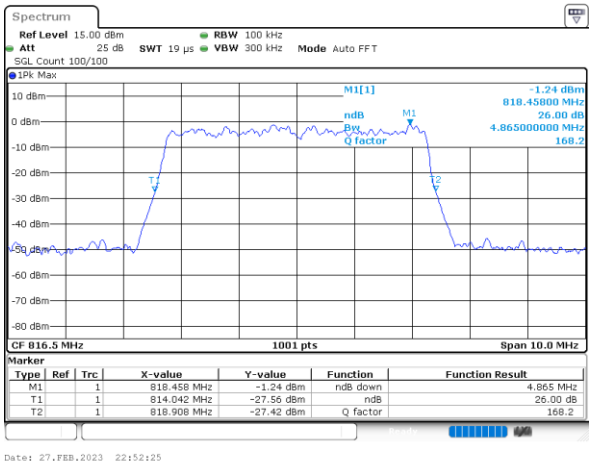


Highest Channel / 3MHz / 64QAM



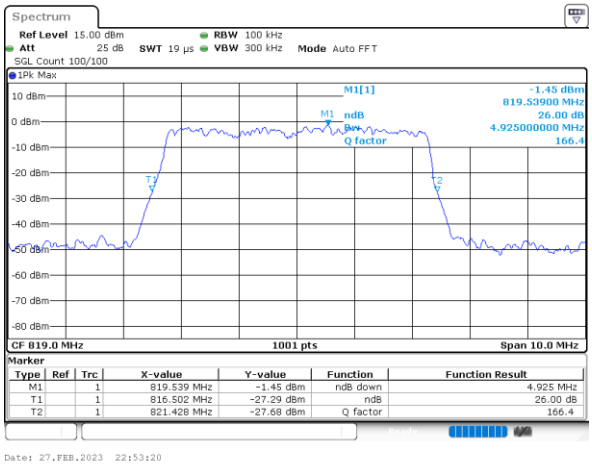
LTE Band 26

Lowest Channel / 5MHz / 64QAM

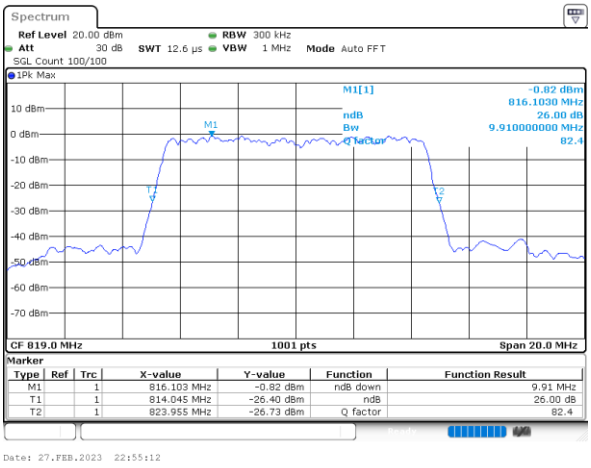


NA

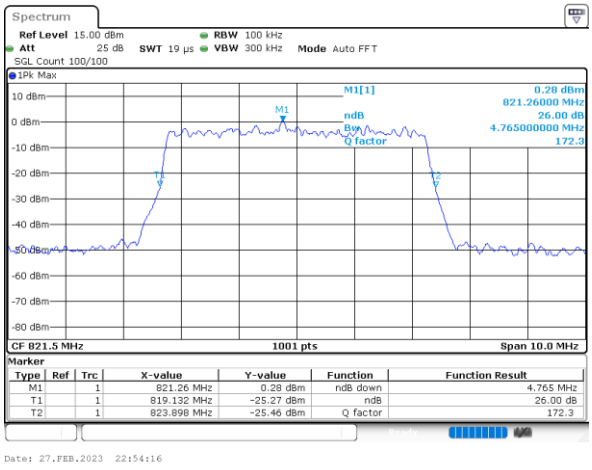
Middle Channel / 5MHz / 64QAM



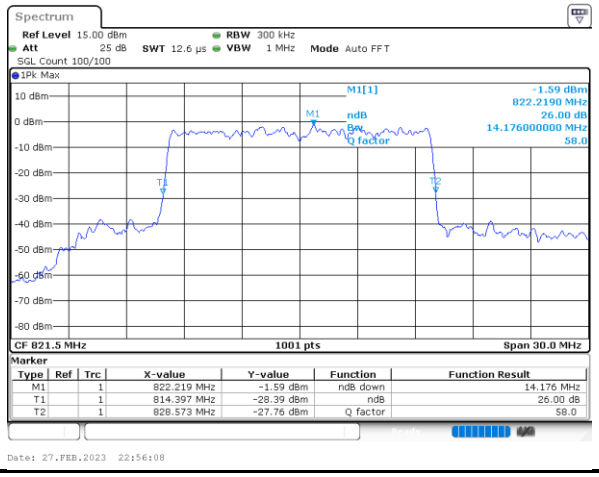
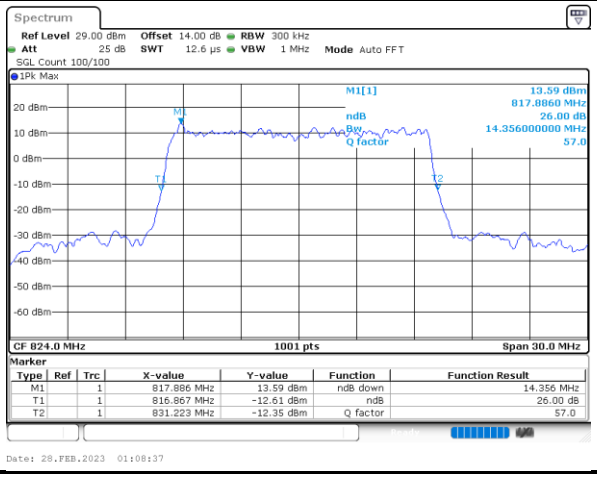
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



NA

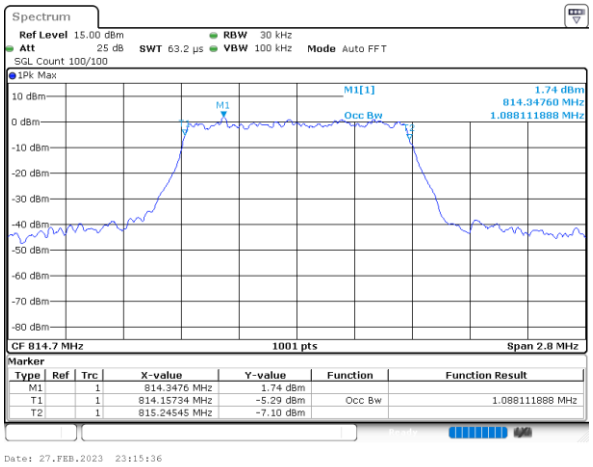
LTE Band 26	
Lowest Channel / 15MHz / 64QAM	**Highest Channel / 15MHz / 64QAM**
	

Occupied Bandwidth

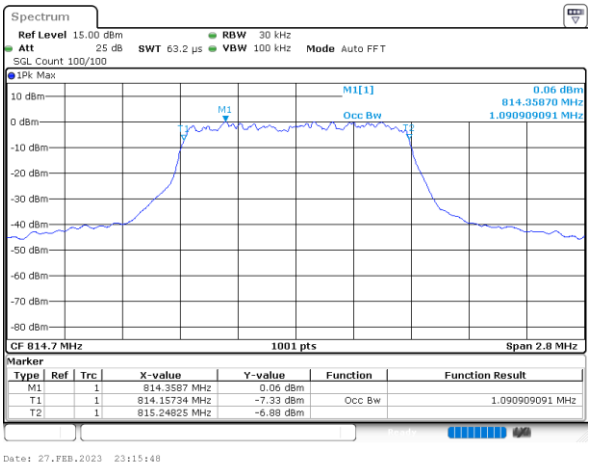
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.71	4.48	4.49	-	-	13.49	13.46	-	-
Middle CH	1.09	1.09	2.72	2.70	4.50	4.48	8.99	9.01	-	-	-	-
Highest CH	1.09	1.10	2.71	2.71	4.50	4.50	-	-	13.40	13.49	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.50	-	-	-	13.46	-	-	-
Middle CH	1.09	-	2.73	-	4.50	-	8.99	-	-	-	-	-
Highest CH	1.09	-	2.72	-	4.47	-	-	-	13.43	-	-	-

LTE Band 26

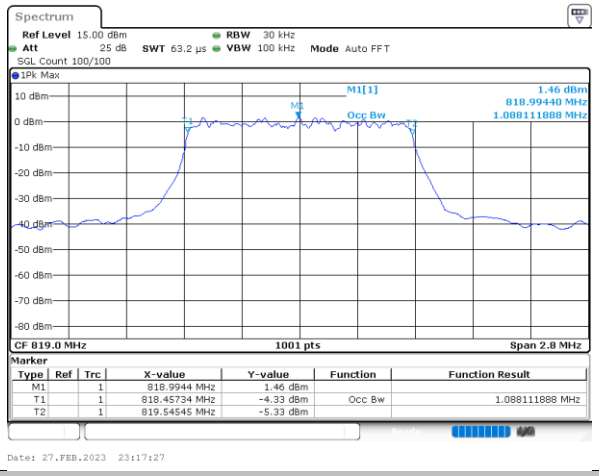
Lowest Channel / 1.4MHz / QPSK



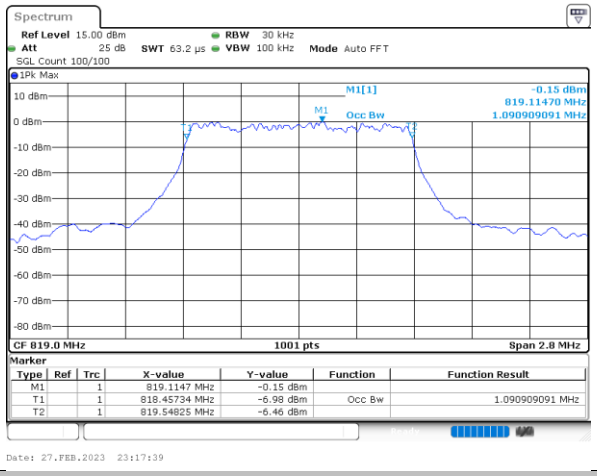
Lowest Channel / 1.4MHz / 16QAM



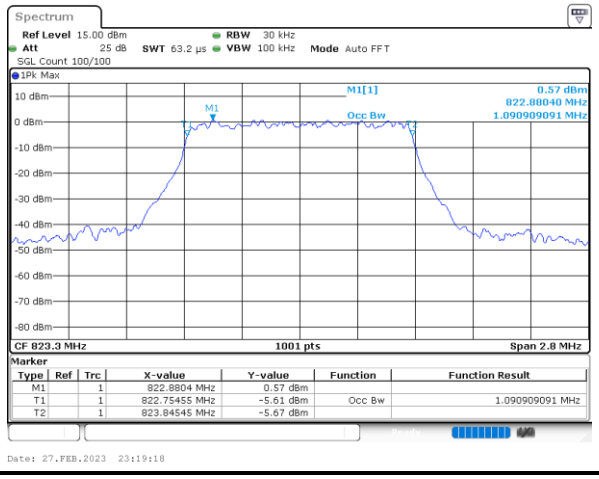
Middle Channel / 1.4MHz / QPSK



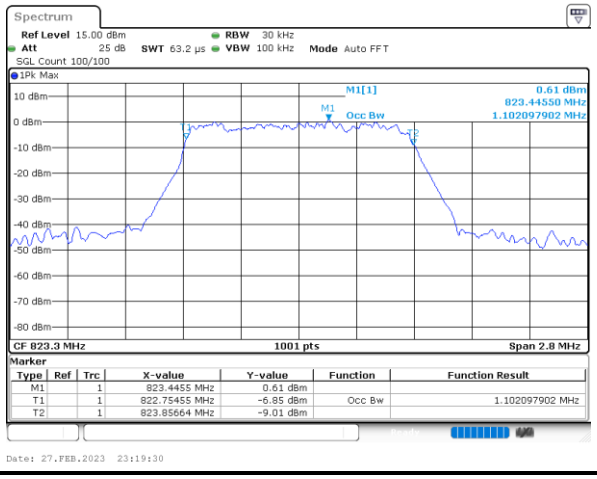
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

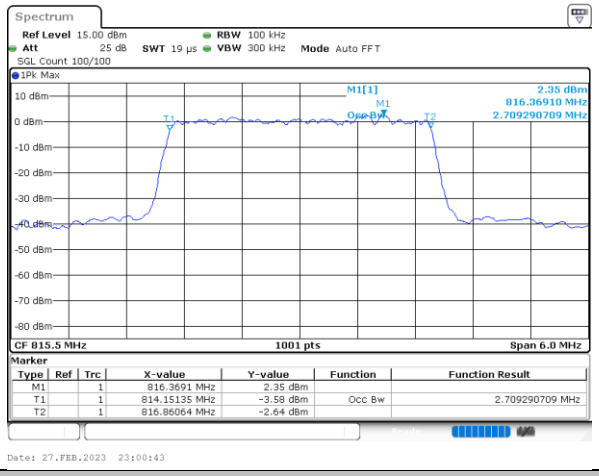


Highest Channel / 1.4MHz / 16QAM

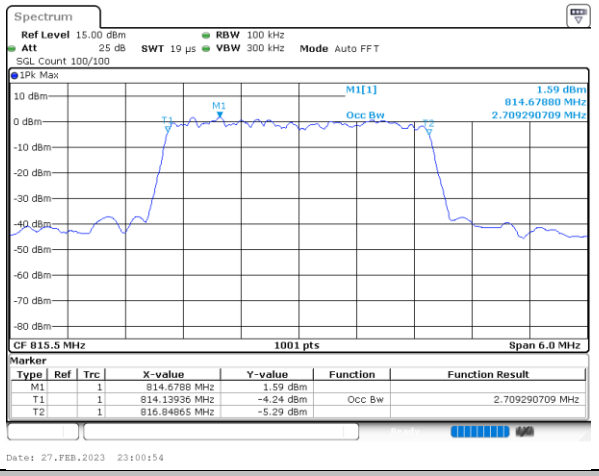


LTE Band 26

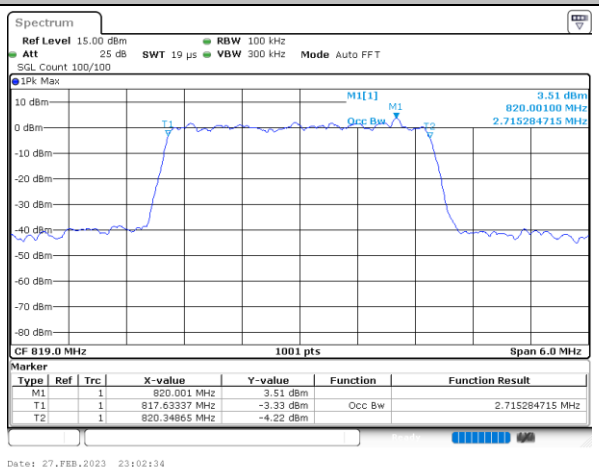
Lowest Channel / 3MHz / QPSK



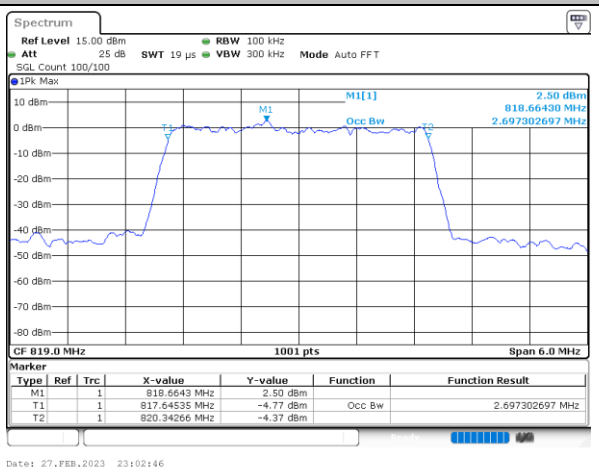
Lowest Channel / 3MHz / 16QAM



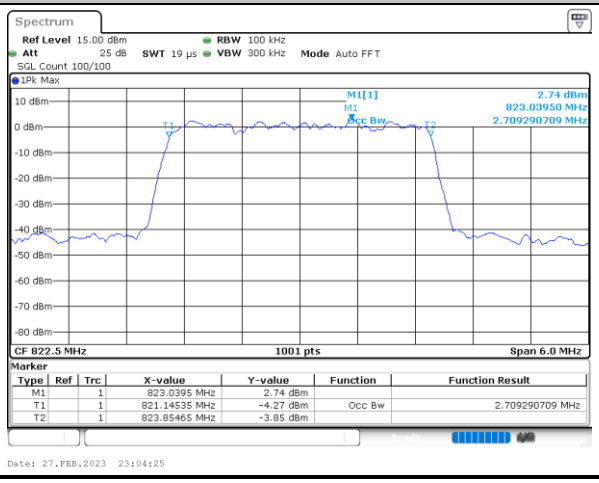
Middle Channel / 3MHz / QPSK



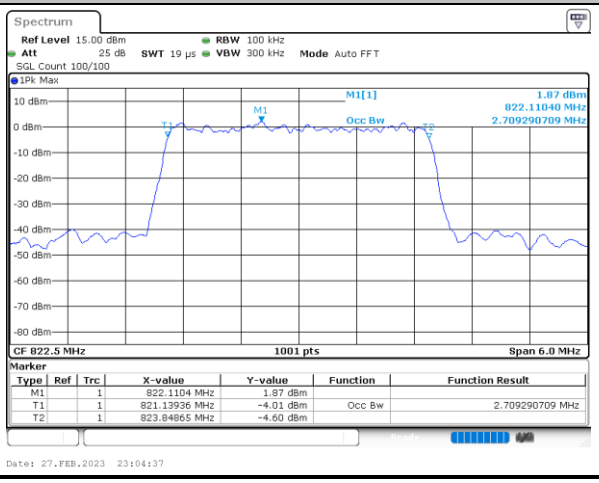
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

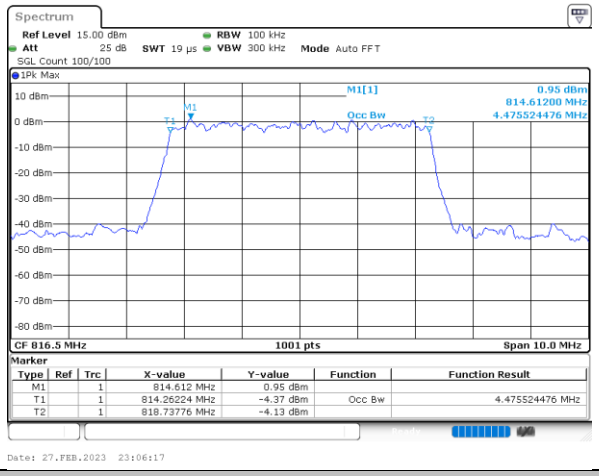


Highest Channel / 3MHz / 16QAM

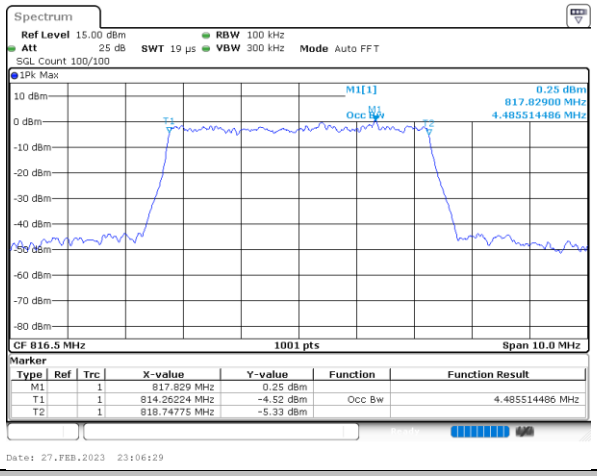


LTE Band 26

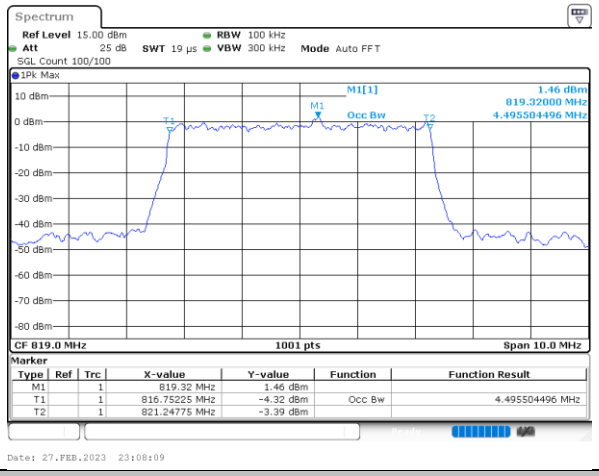
Lowest Channel / 5MHz / QPSK



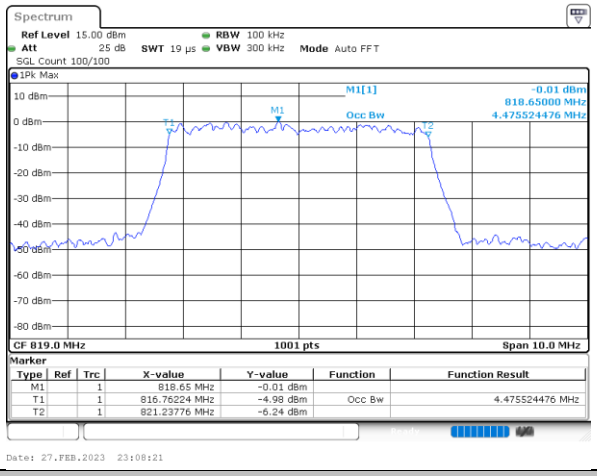
Lowest Channel / 5MHz / 16QAM



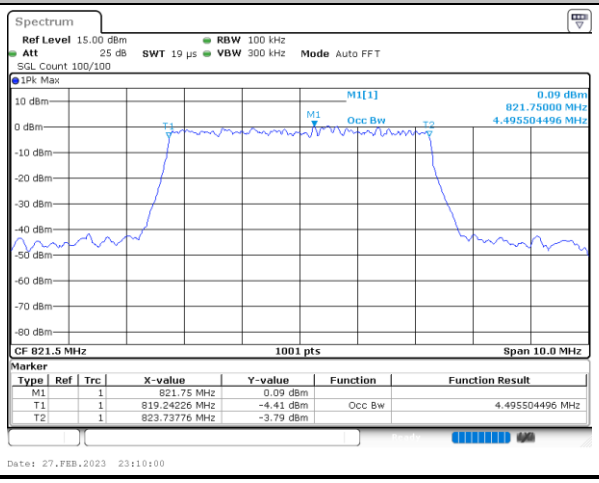
Middle Channel / 5MHz / QPSK



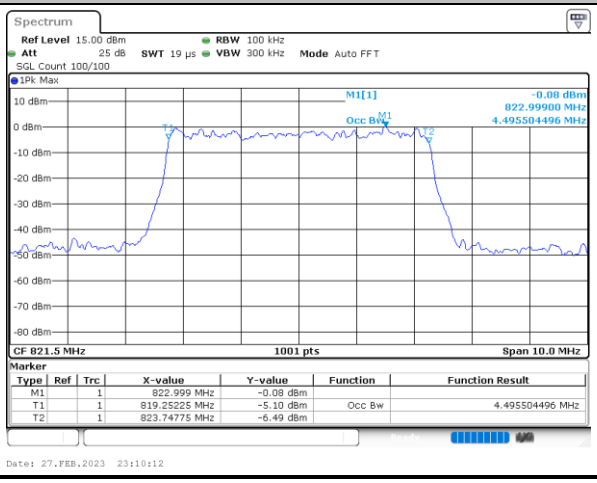
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

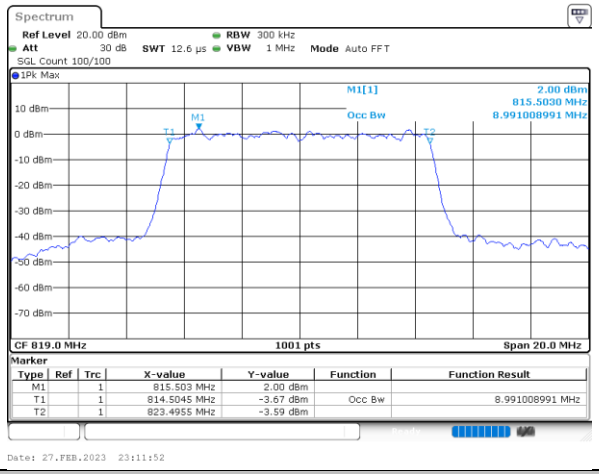


Highest Channel / 5MHz / 16QAM

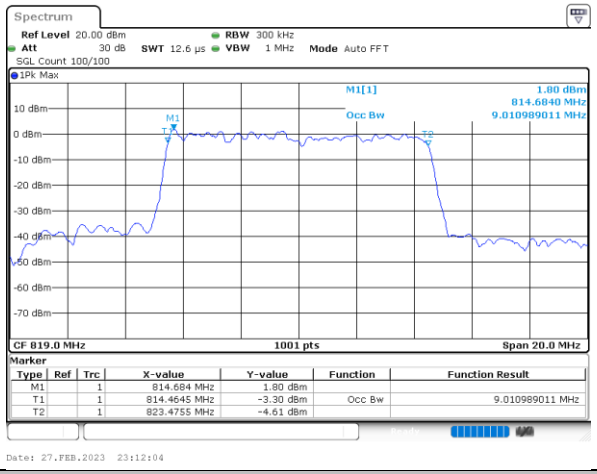


LTE Band 26

Middle Channel / 10MHz / QPSK

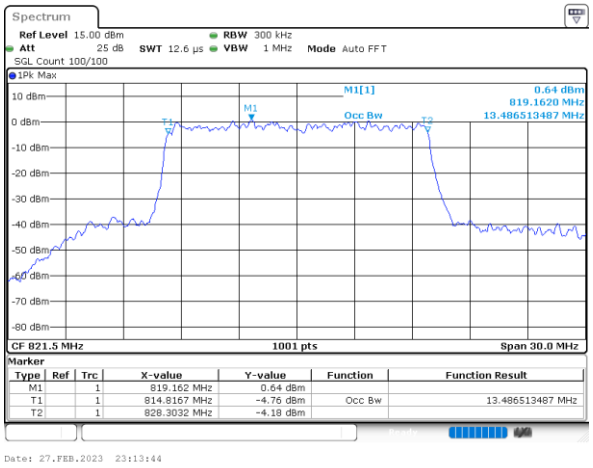


Middle Channel / 10MHz / 16QAM

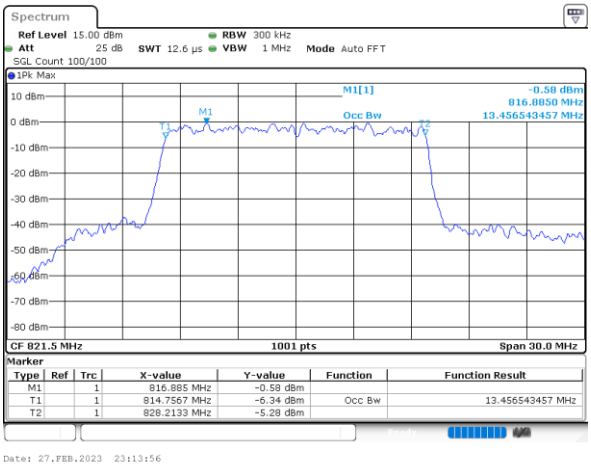


LTE Band 26

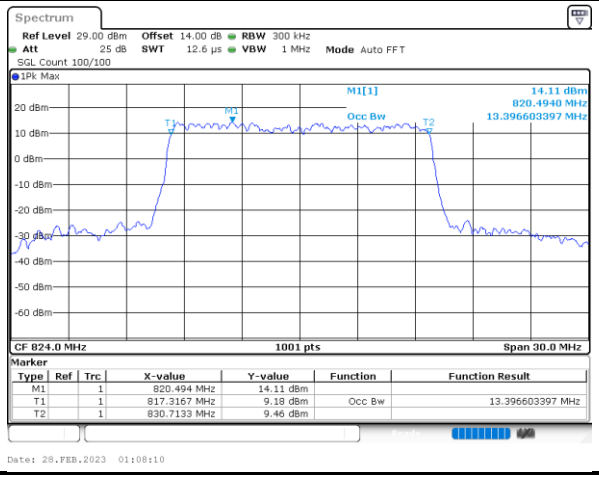
Lowest Channel / 15MHz / QPSK



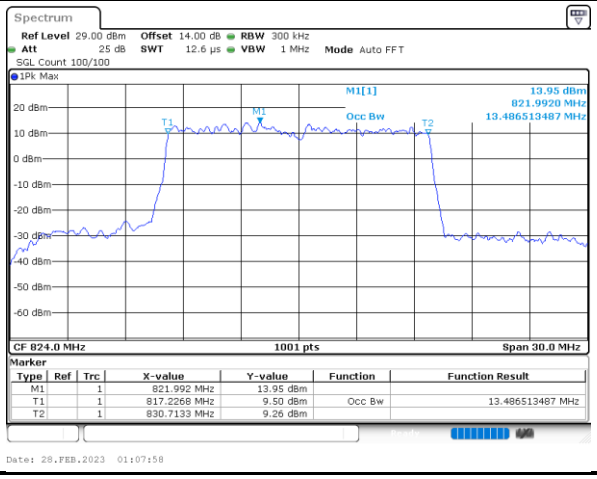
Lowest Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

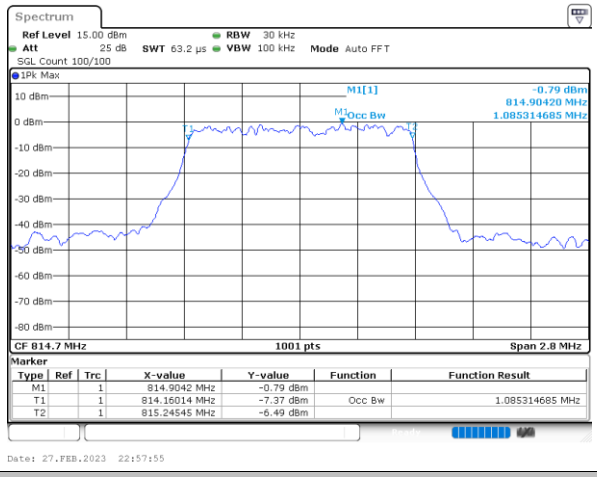


Highest Channel / 15MHz / 16QAM

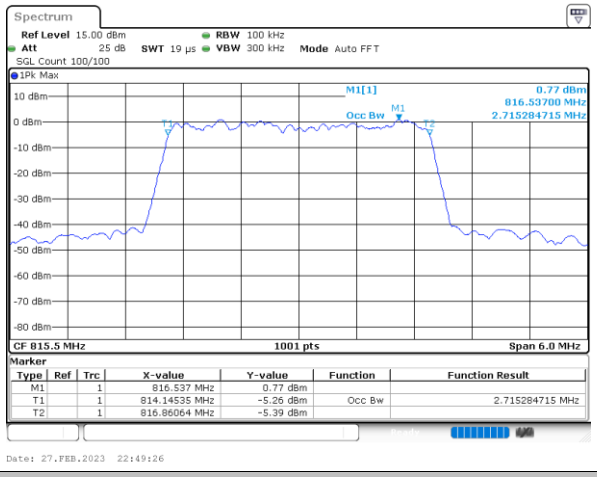


LTE Band 26

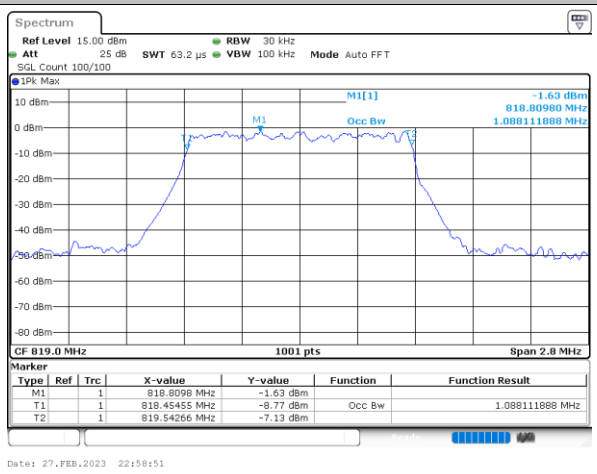
Lowest Channel / 1.4MHz / 64QAM



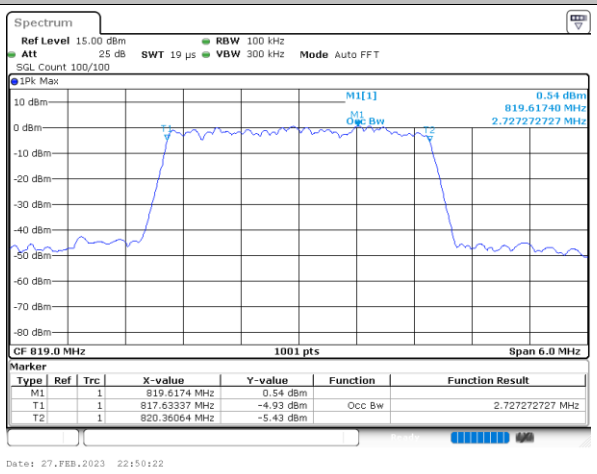
Lowest Channel / 3MHz / 64QAM



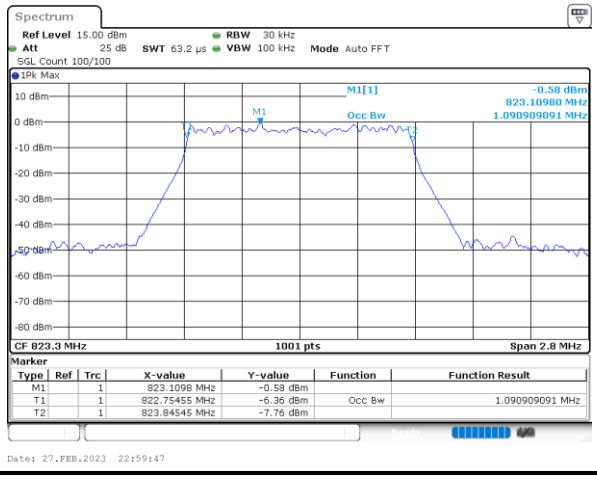
Middle Channel / 1.4MHz / 64QAM



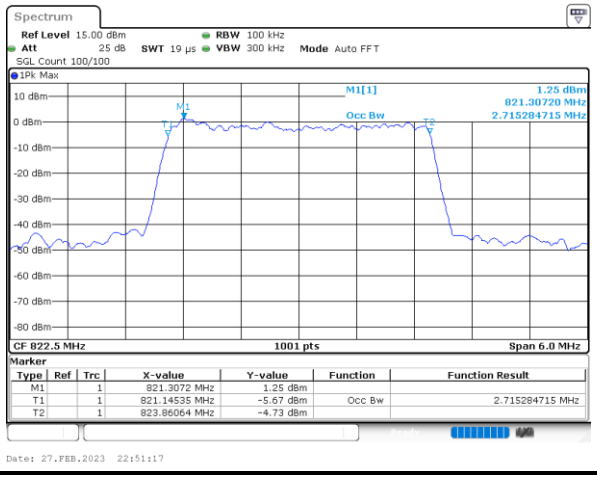
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

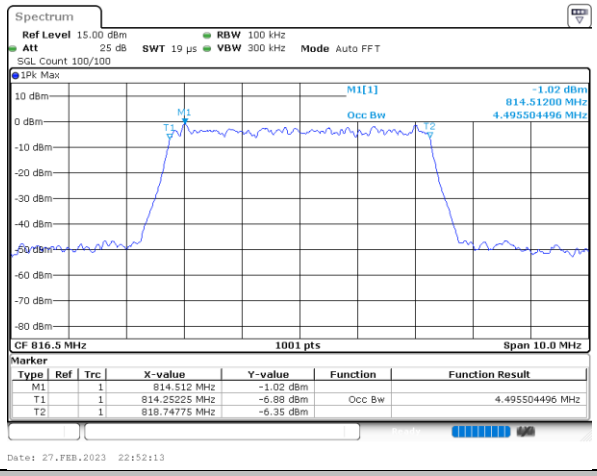


Highest Channel / 3MHz / 64QAM



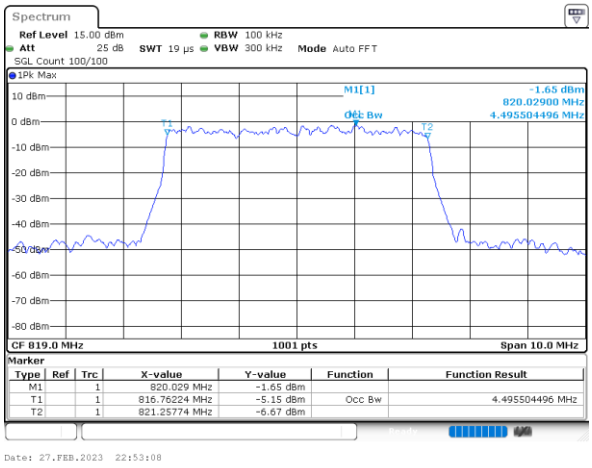
LTE Band 26

Lowest Channel / 5MHz / 64QAM

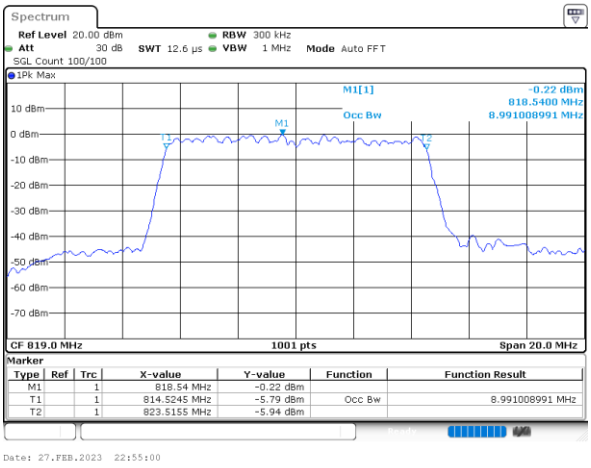


NA

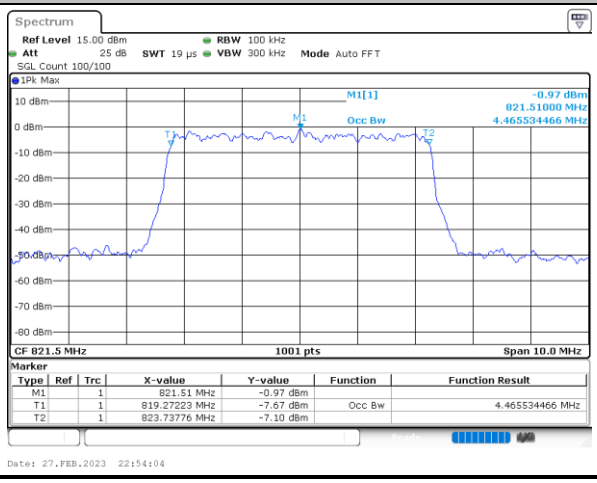
Middle Channel / 5MHz / 64QAM



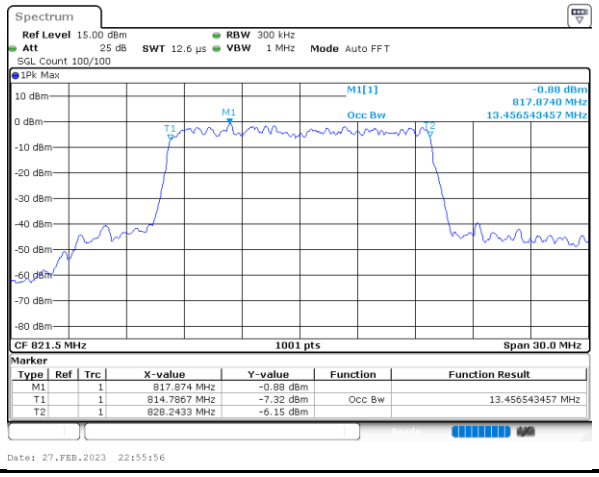
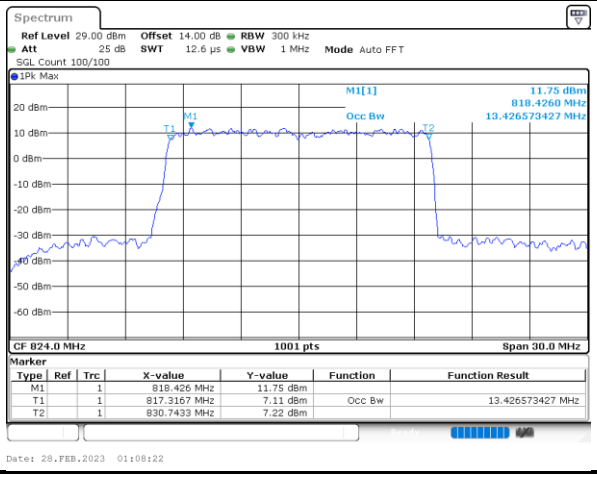
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



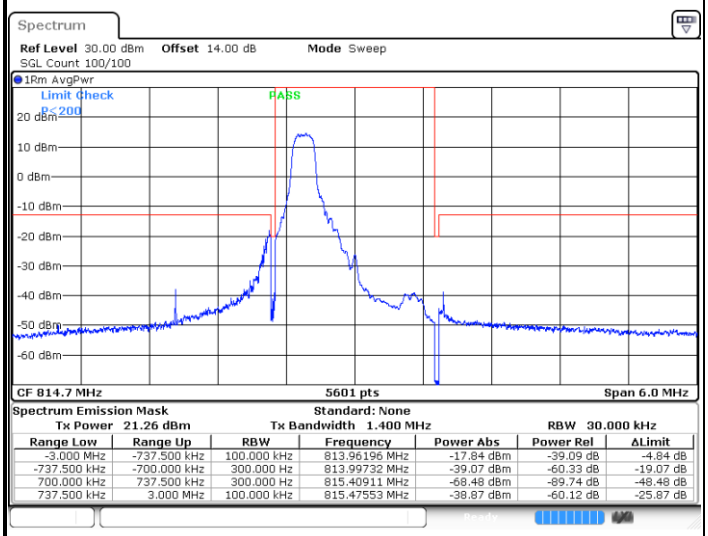
NA

LTE Band 26	
Lowest Channel / 15MHz / 64QAM	**Highest Channel / 15MHz / 64QAM**
	

Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

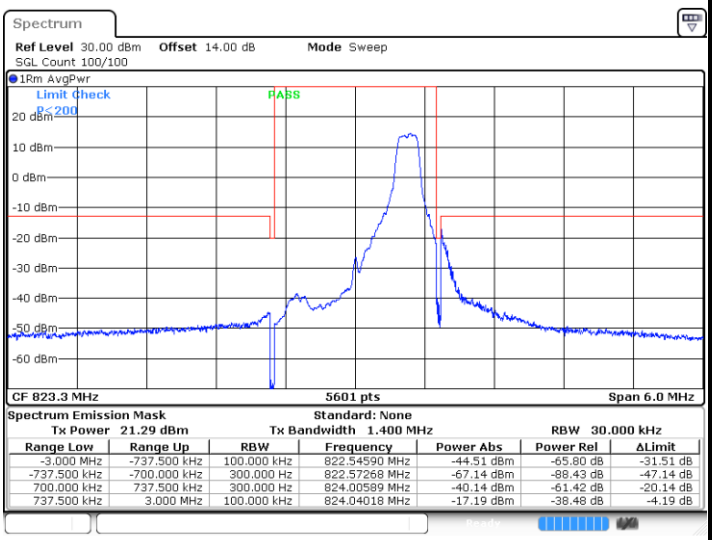


Spectrum Emission Mask Standard: None
Tx Power 21.26 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	813.96196 MHz	-17.84 dBm	-39.09 dB	-4.84 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99732 MHz	-39.07 dBm	-60.33 dB	-19.07 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40911 MHz	-68.48 dBm	-89.74 dB	-48.48 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.47553 MHz	-38.87 dBm	-60.12 dB	-25.87 dB

Date: 24.FEB.2023 00:27:51

Highest Band Edge / 1RB

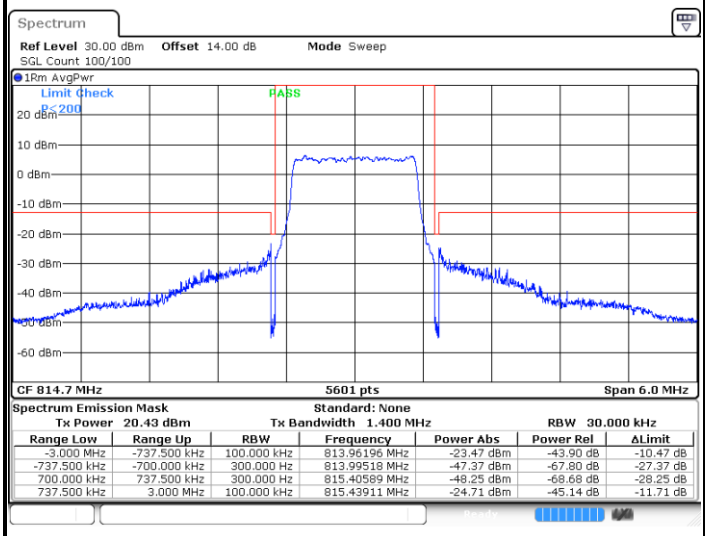


Spectrum Emission Mask Standard: None
Tx Power 21.29 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.54590 MHz	-44.51 dBm	-65.80 dB	-31.51 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.57268 MHz	-67.14 dBm	-88.43 dB	-47.14 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00589 MHz	-40.14 dBm	-61.42 dB	-20.14 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.04018 MHz	-17.19 dBm	-38.48 dB	-4.19 dB

Date: 24.FEB.2023 00:34:07

Lowest Band Edge / Full RB

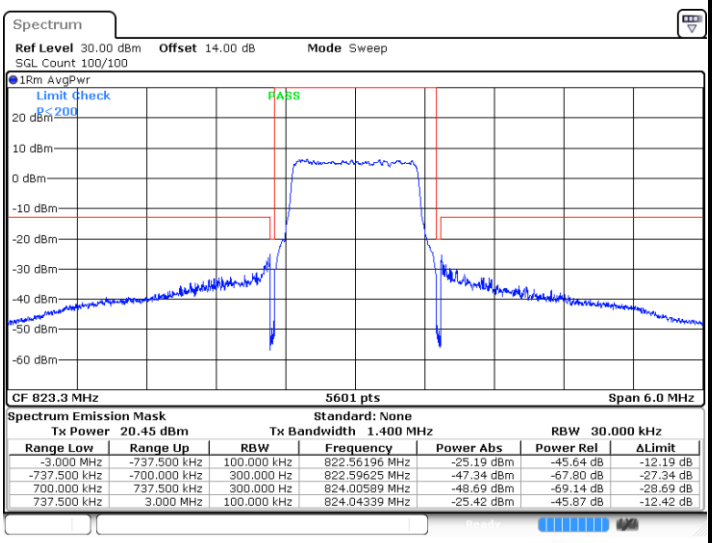


Spectrum Emission Mask Standard: None
Tx Power 20.43 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	813.96196 MHz	-23.47 dBm	-43.90 dB	-10.47 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99518 MHz	-47.37 dBm	-67.80 dB	-27.37 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40589 MHz	-48.25 dBm	-68.68 dB	-28.25 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.43911 MHz	-24.71 dBm	-45.14 dB	-11.71 dB

Date: 24.FEB.2023 00:30:59

Highest Band Edge / Full RB



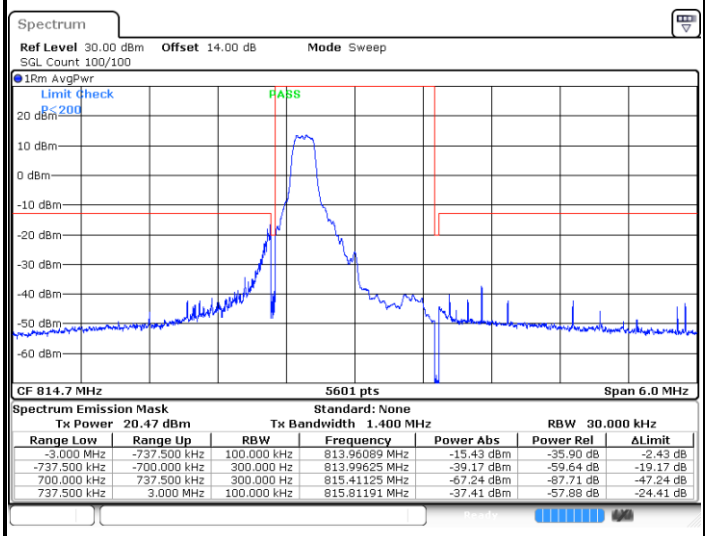
Spectrum Emission Mask Standard: None
Tx Power 20.45 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.56196 MHz	-25.19 dBm	-45.64 dB	-12.19 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59625 MHz	-47.34 dBm	-67.80 dB	-27.34 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00589 MHz	-48.69 dBm	-69.14 dB	-28.69 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.04339 MHz	-25.42 dBm	-45.87 dB	-12.42 dB

Date: 24.FEB.2023 00:37:15

LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



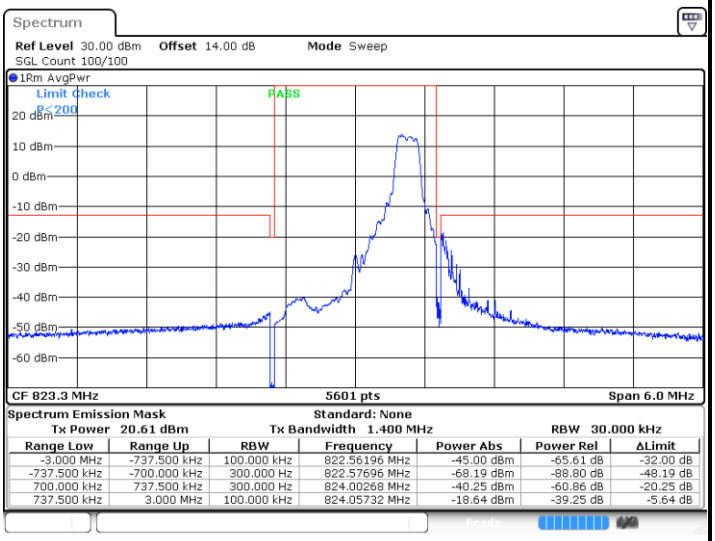
Spectrum Emission Mask Standard: None

Tx Power 20.47 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	813.96089 MHz	-15.43 dBm	-35.90 dB	-2.43 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99625 MHz	-39.17 dBm	-59.64 dB	-19.17 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.41125 MHz	-67.24 dBm	-87.71 dB	-47.24 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.81191 MHz	-37.41 dBm	-57.88 dB	-24.41 dB

Date: 24.FEB.2023 00:29:25

Highest Band Edge / 1 RB



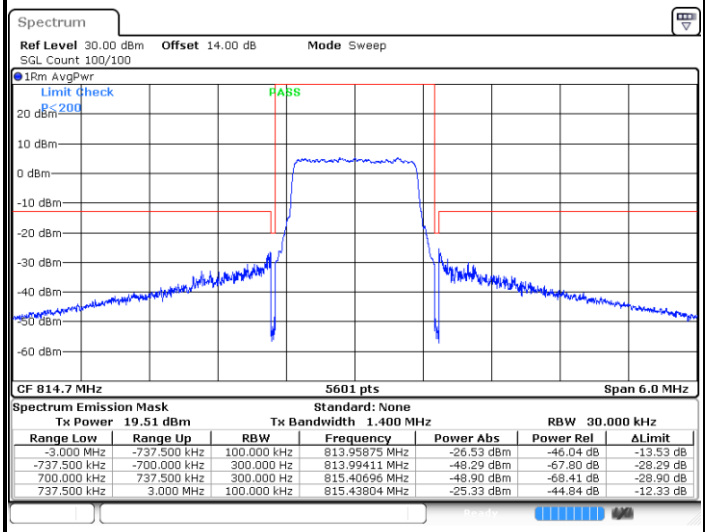
Spectrum Emission Mask Standard: None

Tx Power 20.61 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	822.56196 MHz	-45.00 dBm	-65.61 dB	-32.00 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.57696 MHz	-68.19 dBm	-88.80 dB	-48.19 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00268 MHz	-40.25 dBm	-60.86 dB	-20.25 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.05732 MHz	-18.64 dBm	-39.25 dB	-5.64 dB

Date: 24.FEB.2023 00:35:41

Lowest Band Edge / Full RB



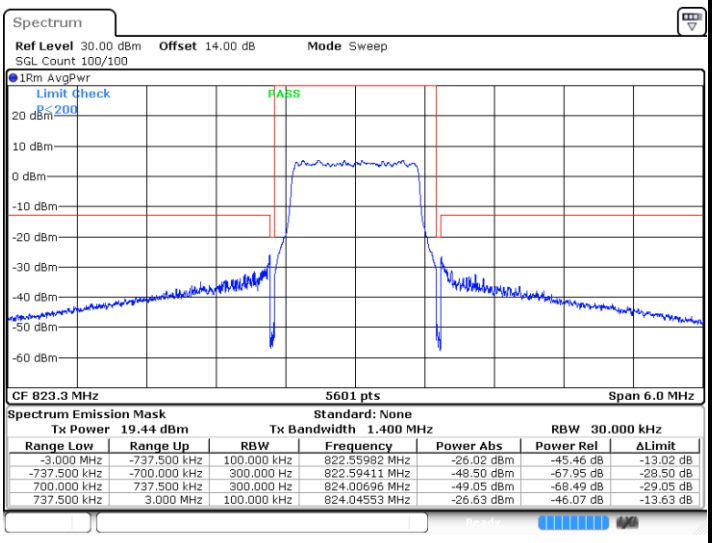
Spectrum Emission Mask Standard: None

Tx Power 19.51 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	-26.53 dBm	-46.04 dB	-13.53 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99411 MHz	-48.29 dBm	-67.80 dB	-28.29 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40696 MHz	-48.90 dBm	-68.41 dB	-28.90 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.43804 MHz	-25.33 dBm	-44.84 dB	-12.33 dB

Date: 24.FEB.2023 00:32:33

Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None

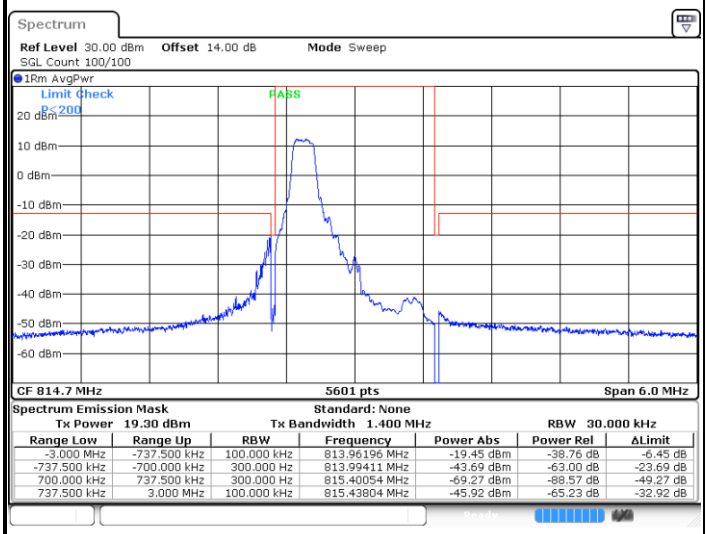
Tx Power 19.44 dBm Tx Bandwidth 1.400 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.55982 MHz	-26.02 dBm	-45.46 dB	-13.02 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59411 MHz	-48.50 dBm	-67.95 dB	-28.50 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00696 MHz	-49.05 dBm	-68.49 dB	-29.05 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.04553 MHz	-26.63 dBm	-46.07 dB	-13.63 dB

Date: 24.FEB.2023 00:38:47

LTE Band 26 / 1.4MHz / 64QAM

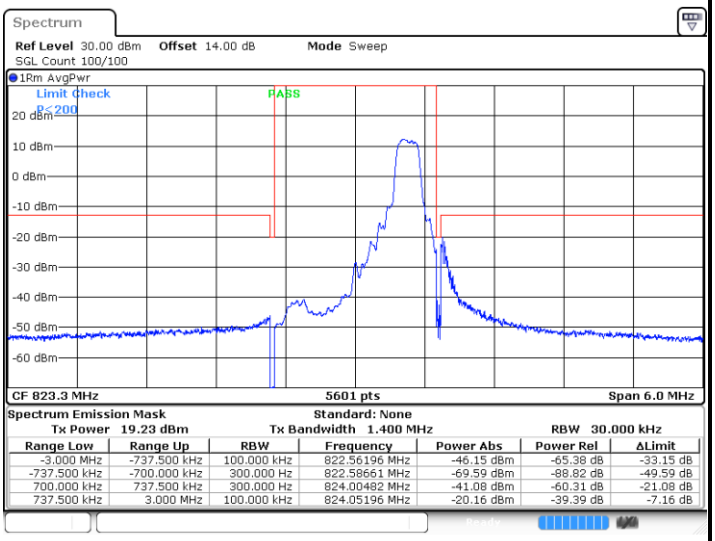
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	813.96196 MHz	-19.45 dBm	-38.76 dB	-6.45 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99411 MHz	-43.69 dBm	-63.00 dB	-23.69 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40054 MHz	-69.27 dBm	-88.57 dB	-49.27 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.43804 MHz	-45.92 dBm	-65.23 dB	-32.92 dB

Date: 24.FEB.2023 01:21:01

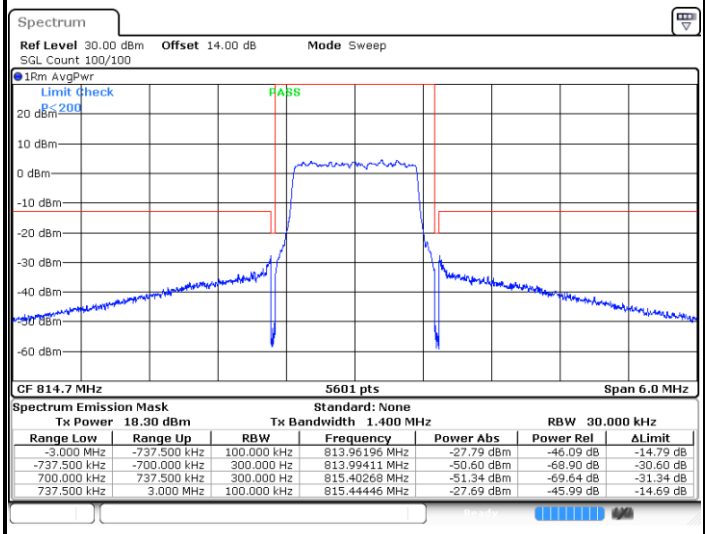
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.56196 MHz	-46.15 dBm	-65.38 dB	-33.15 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.58661 MHz	-69.59 dBm	-88.82 dB	-49.59 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00482 MHz	-41.08 dBm	-60.31 dB	-21.08 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.05196 MHz	-20.16 dBm	-39.39 dB	-7.16 dB

Date: 24.FEB.2023 01:24:08

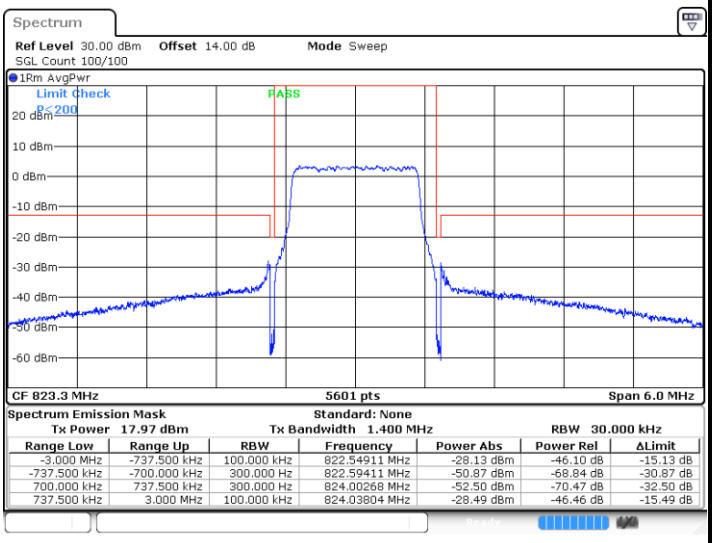
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	813.96196 MHz	-27.79 dBm	-46.09 dB	-14.79 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	813.99411 MHz	-50.60 dBm	-68.90 dB	-30.60 dB
700.000 kHz	737.500 kHz	300.000 Hz	815.40268 MHz	-51.34 dBm	-69.64 dB	-31.34 dB
737.500 kHz	3.000 MHz	100.000 kHz	815.44446 MHz	-27.69 dBm	-45.99 dB	-14.69 dB

Date: 24.FEB.2023 01:22:34

Highest Band Edge / Full RB

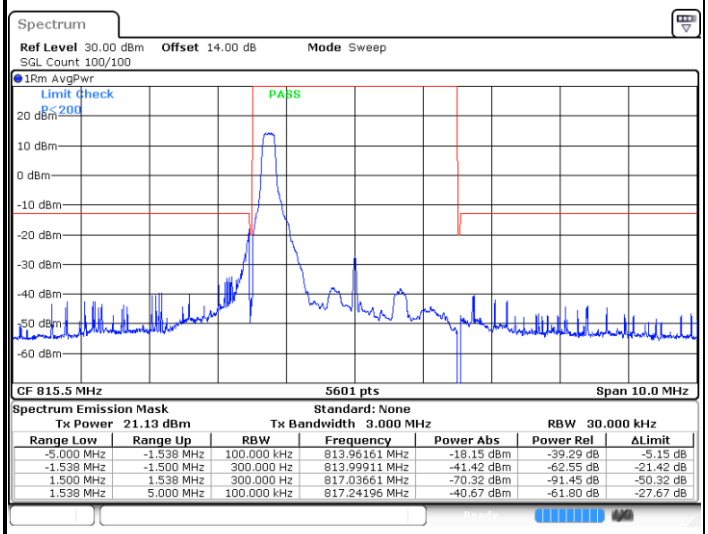


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-3.000 MHz	-737.500 kHz	100.000 kHz	822.54911 MHz	-28.13 dBm	-46.10 dB	-15.13 dB
-737.500 kHz	-700.000 kHz	300.000 Hz	822.59411 MHz	-50.87 dBm	-68.84 dB	-30.87 dB
700.000 kHz	737.500 kHz	300.000 Hz	824.00268 MHz	-52.50 dBm	-70.47 dB	-32.50 dB
737.500 kHz	3.000 MHz	100.000 kHz	824.03804 MHz	-28.49 dBm	-46.46 dB	-15.49 dB

Date: 24.FEB.2023 01:25:41

LTE Band 26 / 3MHz / QPSK

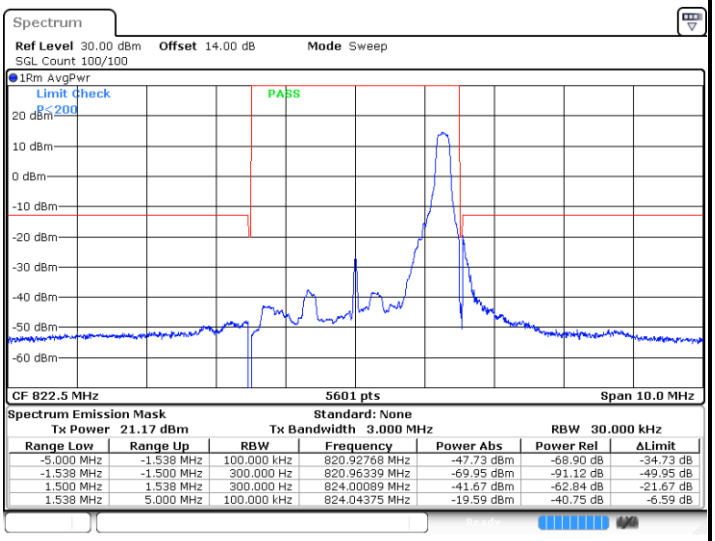
Lowest Band Edge / 1RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.96161 MHz	-18.15 dBm	-39.29 dB	-5.15 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-41.42 dBm	-62.55 dB	-21.42 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.03661 MHz	-70.32 dBm	-91.45 dB	-50.32 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.24196 MHz	-40.67 dBm	-61.80 dB	-27.67 dB

Date: 24.FEB.2023 00:40:22

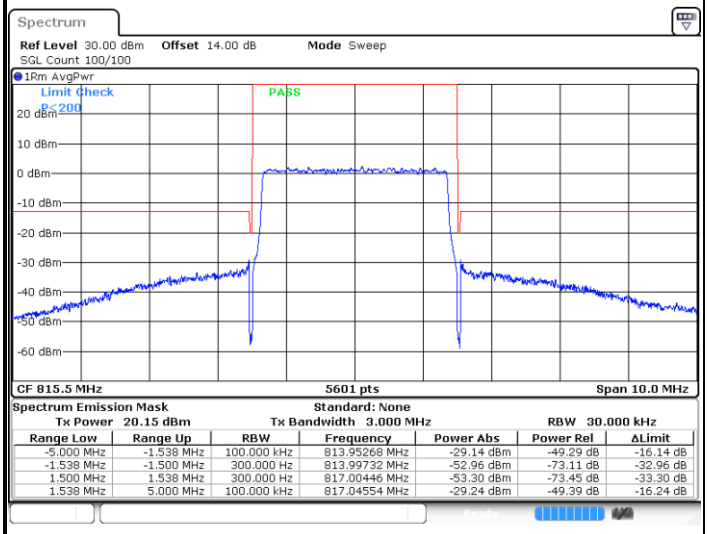
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.92768 MHz	-47.73 dBm	-68.90 dB	-34.73 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.96339 MHz	-69.95 dBm	-91.12 dB	-49.95 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00089 MHz	-41.67 dBm	-62.84 dB	-21.67 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04375 MHz	-19.59 dBm	-40.75 dB	-6.59 dB

Date: 24.FEB.2023 00:46:42

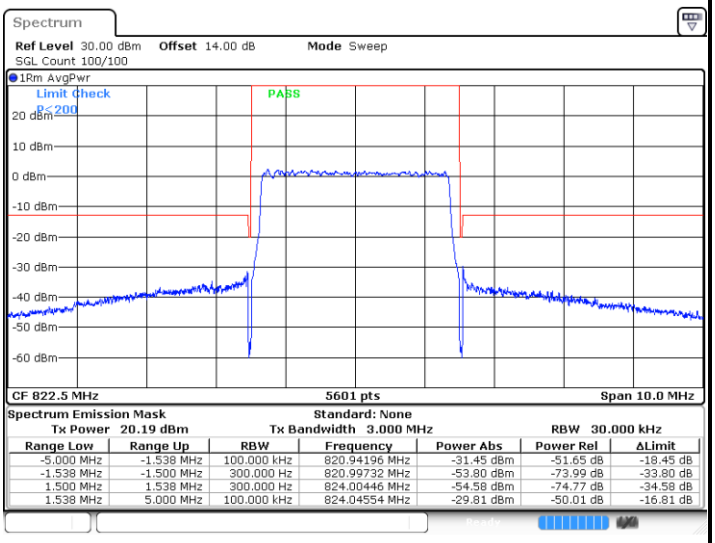
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.95268 MHz	-29.14 dBm	-49.29 dB	-16.14 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99732 MHz	-52.96 dBm	-73.11 dB	-32.96 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00446 MHz	-53.30 dBm	-73.45 dB	-33.30 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04554 MHz	-29.24 dBm	-49.39 dB	-16.24 dB

Date: 24.FEB.2023 00:43:31

Highest Band Edge / Full RB

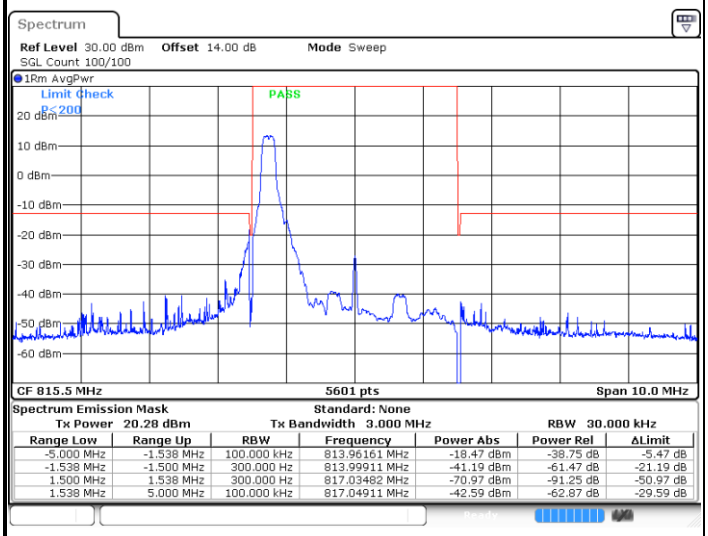


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.94196 MHz	-31.45 dBm	-51.65 dB	-18.45 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99732 MHz	-53.80 dBm	-73.99 dB	-33.80 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00446 MHz	-54.58 dBm	-74.77 dB	-34.58 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04554 MHz	-29.81 dBm	-50.01 dB	-16.81 dB

Date: 24.FEB.2023 00:49:50

LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



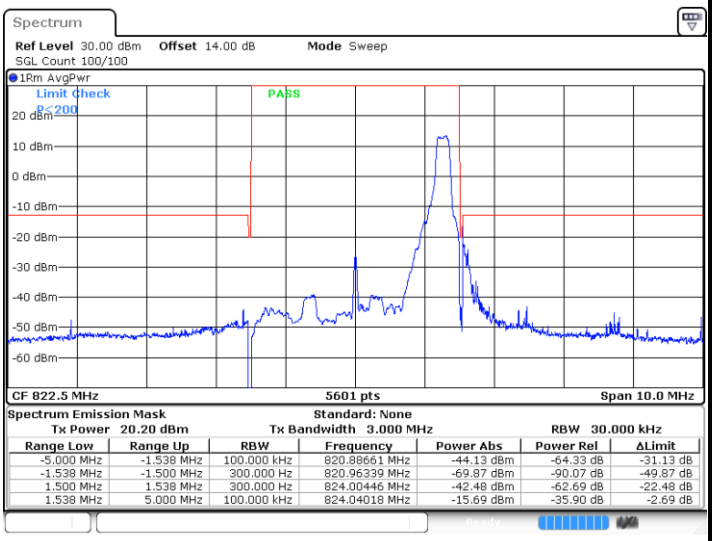
Spectrum Emission Mask Standard: None

Tx Power 20.28 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	-18.47 dBm	-38.75 dB	-5.47 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-41.19 dBm	-61.47 dB	-21.19 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.03482 MHz	-70.97 dBm	-91.25 dB	-50.97 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04911 MHz	-42.59 dBm	-62.87 dB	-29.59 dB

Date: 24.FEB.2023 00:41:57

Highest Band Edge /1 RB



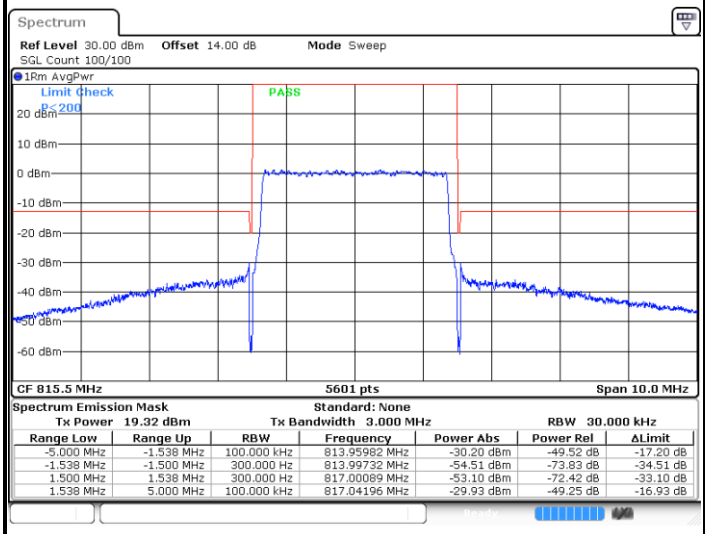
Spectrum Emission Mask Standard: None

Tx Power 20.20 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	820.88661 MHz	-44.13 dBm	-64.33 dB	-31.13 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.96339 MHz	-69.87 dBm	-90.07 dB	-49.87 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00446 MHz	-42.48 dBm	-62.69 dB	-22.48 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04018 MHz	-15.69 dBm	-35.90 dB	-2.69 dB

Date: 24.FEB.2023 00:48:15

Lowest Band Edge / Full RB



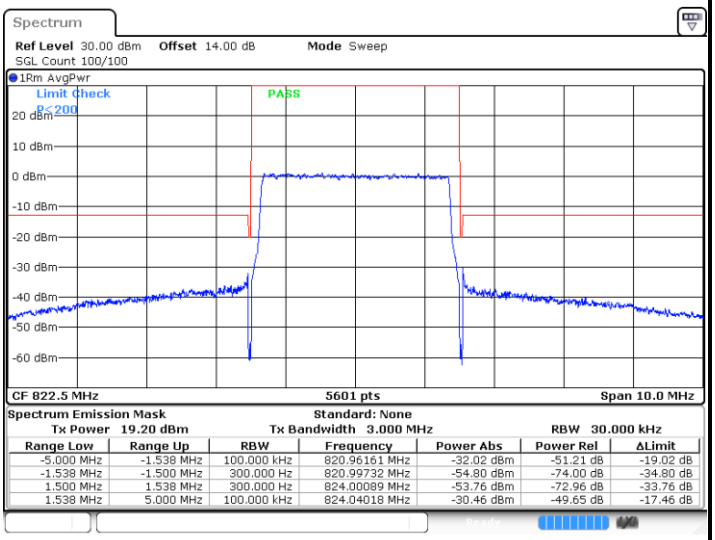
Spectrum Emission Mask Standard: None

Tx Power 19.32 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	813.95982 MHz	-30.20 dBm	-49.52 dB	-17.20 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99732 MHz	-54.51 dBm	-73.83 dB	-34.51 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00089 MHz	-53.10 dBm	-72.42 dB	-33.10 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04196 MHz	-29.93 dBm	-49.25 dB	-16.93 dB

Date: 24.FEB.2023 00:45:07

Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None

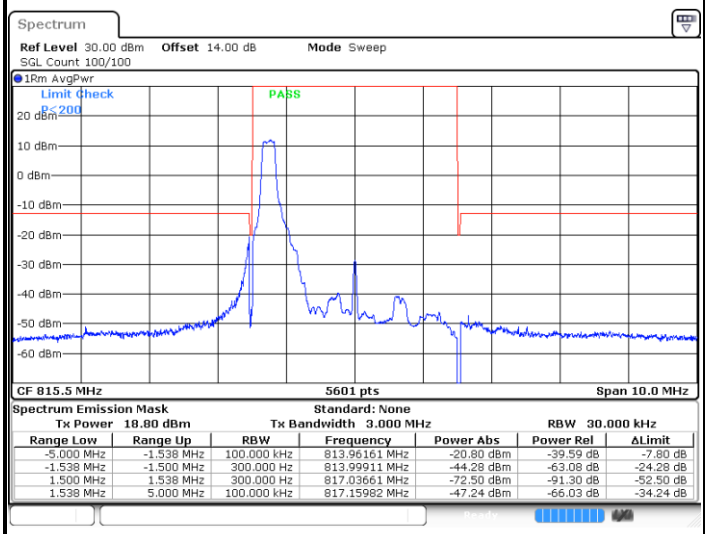
Tx Power 19.20 dBm Tx Bandwidth 3.000 MHz RBW 30.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.96161 MHz	-32.02 dBm	-51.21 dB	-19.02 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99732 MHz	-54.80 dBm	-74.00 dB	-34.80 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00089 MHz	-53.76 dBm	-72.96 dB	-33.76 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04018 MHz	-30.46 dBm	-49.65 dB	-17.46 dB

Date: 24.FEB.2023 00:51:24

LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Spectrum Emission Mask Standard: None
Tx Power 18.80 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	-20.80 dBm	-39.59 dB	-7.80 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-44.28 dBm	-63.08 dB	-24.28 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.03661 MHz	-72.50 dBm	-91.30 dB	-52.50 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.15982 MHz	-47.24 dBm	-66.03 dB	-34.24 dB

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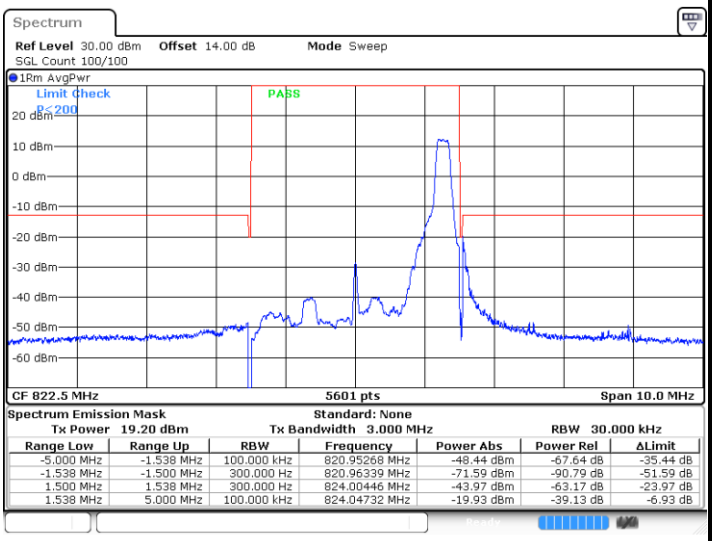
Highest Band Edge /1 RB



Spectrum Emission Mask Standard: None
Tx Power 19.20 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	820.95268 MHz	-48.44 dBm	-67.64 dB	-35.44 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.96339 MHz	-71.59 dBm	-90.79 dB	-51.59 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00446 MHz	-43.97 dBm	-63.17 dB	-23.97 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04732 MHz	-19.93 dBm	-39.13 dB	-6.93 dB

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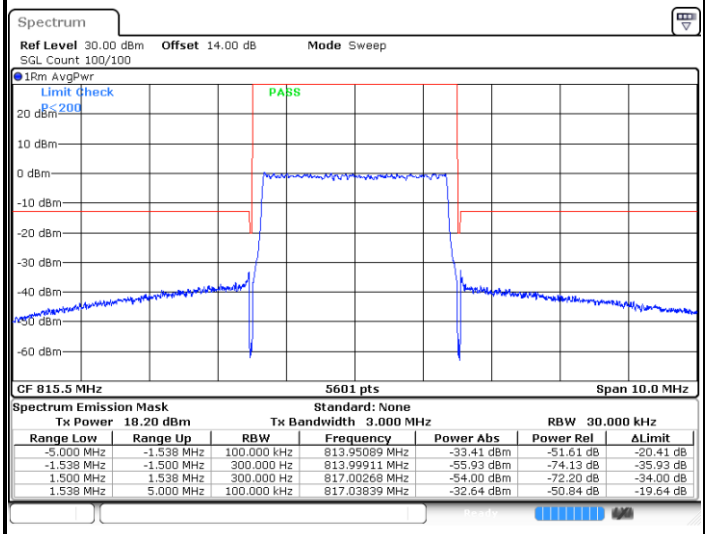
Lowest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 18.20 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	813.95089 MHz	-33.41 dBm	-51.61 dB	-20.41 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	813.99911 MHz	-55.93 dBm	-74.13 dB	-35.93 dB
1.500 MHz	1.538 MHz	300.000 Hz	817.00268 MHz	-54.00 dBm	-72.20 dB	-34.00 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.03839 MHz	-32.64 dBm	-50.84 dB	-19.64 dB

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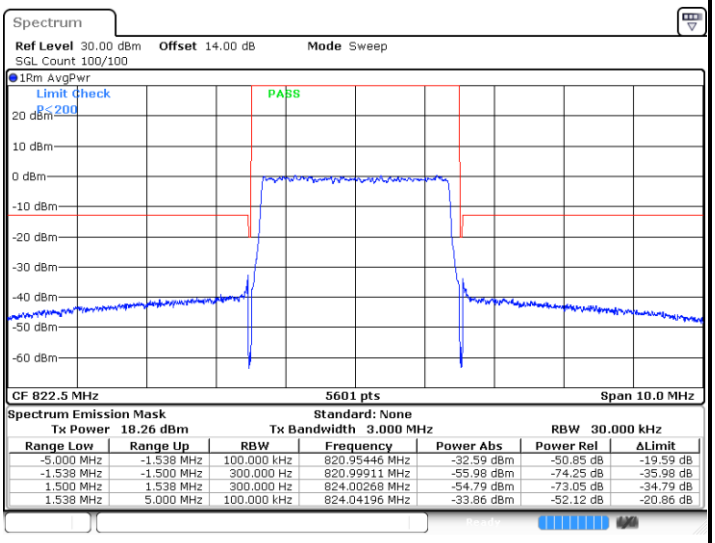
Highest Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 18.26 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	-32.59 dBm	-50.85 dB	-19.59 dB
-1.538 MHz	-1.500 MHz	300.000 Hz	820.99911 MHz	-55.98 dBm	-74.25 dB	-35.98 dB
1.500 MHz	1.538 MHz	300.000 Hz	824.00268 MHz	-54.79 dBm	-73.05 dB	-34.79 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04196 MHz	-33.86 dBm	-52.12 dB	-20.86 dB

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