



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2309-3
FCC ID : IHDT56AG9
STANDARD : 47 CFR Part 2, 96
CLASSIFICATION : Citizens Band End User Devices (CBE)
EQUIPMENT TYPE : End User Equipment
TEST DATE(S) : Dec. 16, 2022 ~ Dec. 22, 2022

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 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. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Applicant.....	5
1.2 Manufacturer	5
1.3 Feature of Equipment Under Test.....	5
1.4 Specification of Accessory	5
1.5 Maximum EIRP and Emission Designator	6
1.6 Testing Site	6
1.7 Test Software	6
1.8 Applied Standards	7
2 Test Configuration of Equipment Under Test	8
2.1 Test Mode.....	8
2.2 Connection Diagram of Test System	9
2.3 Support Unit used in test configuration	9
2.4 Measurement Results Explanation Example	9
2.5 Frequency List of Low/Middle/High Channels.....	10
3 Conducted Test Items.....	11
3.1 Measuring Instruments.....	11
3.2 Conducted Output Power.....	12
3.3 EIRP	13
3.4 Occupied Bandwidth	14
3.5 Conducted Band Edge	15
3.6 Conducted Spurious Emission	16
3.7 Frequency Stability.....	17
4 Radiated Test Items	18
4.1 Measuring Instruments.....	18
4.2 Test Setup	18
4.3 Test Result of Radiated Test.....	19
4.4 Radiated Spurious Emission	20
5 List of Measuring Equipment.....	21
6 Uncertainty of Evaluation.....	22
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FG202807-01C	01	Initial issue of report	Jan. 10, 2023



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
-	§96.41	Peak-to-Average Ratio	Not Applicable	Not applicable for End User Devices
3.3	§96.41	Maximum E.I.R.P	Pass	-
		Maximum Power Spectral Density	Not Applicable	Not applicable for End User Devices
3.4	§2.1049 §96.41	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §96.41	Conducted Band Edge Measurement Adjacent Channel Leakage Ratio	Pass	-
3.6	§2.1051 §96.41	Conducted Spurious Emission	Pass	
3.7	§2.1055	Frequency Stability for Temperature & Voltage	Pass	-
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 10.02 dB at 10776.00 MHz

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	XT2309-3
FCC ID	IHDT56AG9
Tx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Rx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Bandwidth	5MHz / 10MHz / 15 MHz / 20MHz
Antenna Type	Metal Antenna
Antenna Gain	<Ant. 2> LTE Band 48: -2.1 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
IMEI Code	Conducted : 351347720007731 Radiation : 351347720008168
HW Version	DVT2
SW Version	T1TB33.20
EUT Stage	Identical Prototype

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 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Chenyang)	Model Name	MC-681N
AC Adapter 2(US)	Brand Name	Motorola (Acbel)	Model Name	MC-681N
Battery	Brand Name	Motorola(SCUD)	Model Name	PB50
USB Cable 1	Brand Name	Motorola (Saibao)	Model Name	SC18D24968
USB Cable 2	Brand Name	Motorola (Saibao)	Model Name	SC18D71644
Wireless Charging dock	Marketing Name	TurboPower 15W Wireless Charging Stand	Model Name	MW - 03



1.5 Maximum EIRP and Emission Designator

LTE Band 48 CA	QPSK		16QAM/64QAM/256QAM	
BW (MHz) Frequency (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz	0.0619	37M7G7D	0.0494	37M7W7D

Note: All modulations have been tested, only the maximum bandwidth and the worst modulation test results are shown in the report.

1.6 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 TH01-KS	CN1257	314309

1.7 Test Software

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



1.8 Applied Standards

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

- ♦ ANSI C63.26-2015
- ♦ 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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



2 Test Configuration of Equipment Under Test

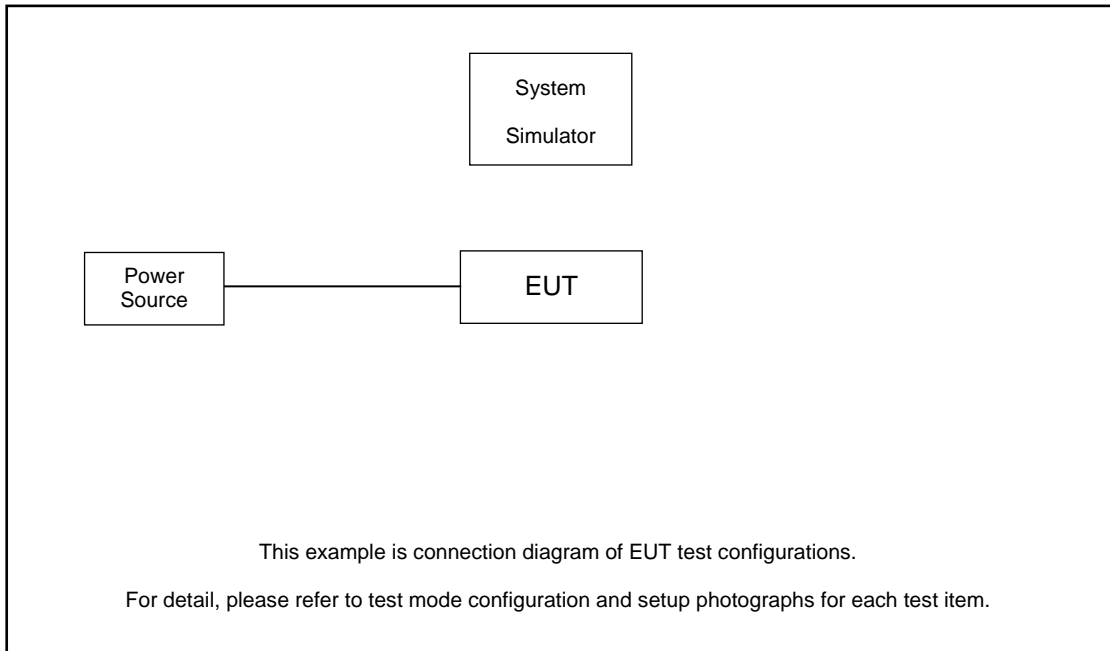
2.1 Test Mode

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

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel			
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	48C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v	
Adjacent Channel Leakage Ratio	48C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v	
26dB and 99% Bandwidth	48C_CA	v							-	-	-	v	v					v		v		
Conducted Band Edge	48C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v		v	
Conducted Spurious Emission	48C_CA	v	v	v	v	v	v	v	-	-	-	v					v			v	v	
E.I.R.P.	48C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	48C_CA	Worst Case																				v
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 																					

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	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 between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.50 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 6.50 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

LTE Band 48C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 20	PCC	Channel	55273	55898	56523
		Frequency	3553.3	3615.8	3678.3
	SCC	Channel	55390	56015	56640
		Frequency	3565	3627.5	3690
20 + 5	PCC	Channel	55340	55965	56590
		Frequency	3560	3622.5	3685
	SCC	Channel	55457	56082	56707
		Frequency	3571.7	3634.2	3696.7
10 + 20	PCC	Channel	55295	55896	56496
		Frequency	3555.5	3615.6	3675.6
	SCC	Channel	55439	56040	56640
		Frequency	3569.9	3630	3690
20 + 10	PCC	Channel	55340	55941	56541
		Frequency	3560	3620.1	3680.1
	SCC	Channel	55484	56085	56685
		Frequency	3574.4	3634.5	3694.5
15 + 20	PCC	Channel	55318	55893	56469
		Frequency	3557.8	3615.3	3672.9
	SCC	Channel	55489	56064	56640
		Frequency	3574.9	3632.4	3690
20 + 15	PCC	Channel	55340	55916	56491
		Frequency	3560	3617.6	3675.1
	SCC	Channel	55511	56087	56662
		Frequency	3577.1	3634.7	3692.2
20 + 20	PCC	Channel	55340	55891	56442
		Frequency	3560	3615.1	3670.2
	SCC	Channel	55538	56089	56640
		Frequency	3579.8	3634.9	3690

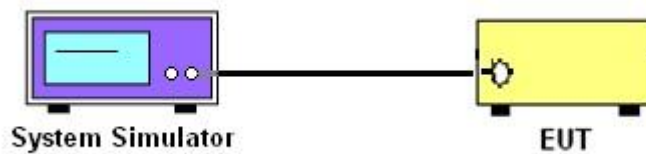
3 Conducted Test Items

3.1 Measuring Instruments

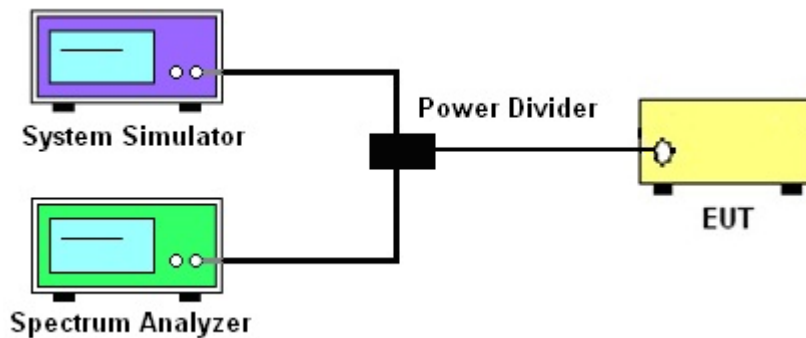
See list of measuring instruments of this test report.

3.1.1 Test Setup

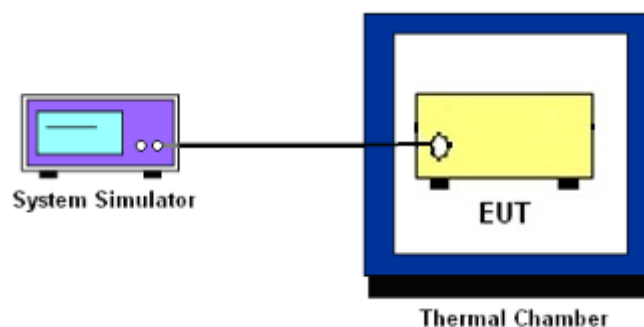
3.1.2 Conducted Output Power / ACLR



3.1.3 26dB & 99% Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power

3.2.1 Description of the Conducted Output Power Measurement

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

3.2.2 Test Procedures

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

3.3 EIRP

3.3.1 Description of the EIRP Measurement

EIRP limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
Applied	End User Device	23	n/a
<input type="checkbox"/>	Category A CBSD	30	20
<input type="checkbox"/>	Category B CBSD	47	37

Remark: The worst case EIRP shown in this section is found with LTE operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for LTE Band 48 (i.e. 5, 10, 15, 20MHz)

3.3.2 Test Procedures for EIRP

1. Establishing a communications link with the call box (Base station) to measure the Maximum conducted power, the parameters were set to force the EUT transmitting at maximum output power level. Use the average power measurement function to measure total channel power of each channel bandwidth (per ANSI C63.26-2015 Section 5.2.1)
2. Determining ERP and/or EIRP from conducted RF output power measurements (Per ANSI C63.26-2015 Section 5.2.5.5)
$$\text{EIRP} = P_T + G_T - L_C, \text{ ERP} = \text{EIRP} - 2.15, \text{ where}$$
$$P_T = \text{transmitter output power in dBm}$$
$$G_T = \text{gain of the transmitting antenna in dBi}$$
$$L_C = \text{signal attenuation in the connecting cable between the transmitter and antenna in dB}$$



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

Part 96.41 (e) (1) (ii)

For End User Devices the emission limits outside the fundamental are as follows:

Within 0 MHz to B MHz above and below the assigned channel ≤ -13 dBm/MHz

Greater than B MHz above and below the assigned channel ≤ -25 dBm/MHz

where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device.

Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

Part 96.41 (e) (2)

For CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
5. Offset has included the duty factor for LTE Band 48. Duty factor $=10 \log (1/x)$, where x is the measured duty cycle.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

96.41 (e)(2)

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The 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.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is -40dBm/MHz.



3.7 Frequency Stability

3.7.1 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 $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

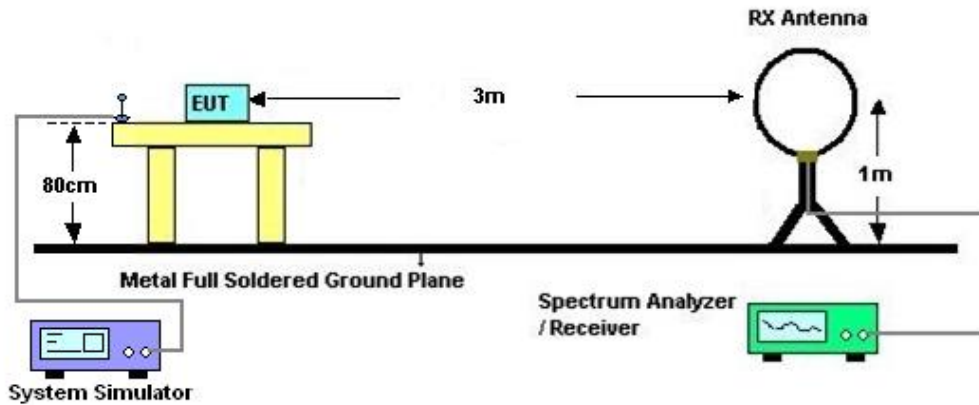
4 Radiated Test Items

4.1 Measuring Instruments

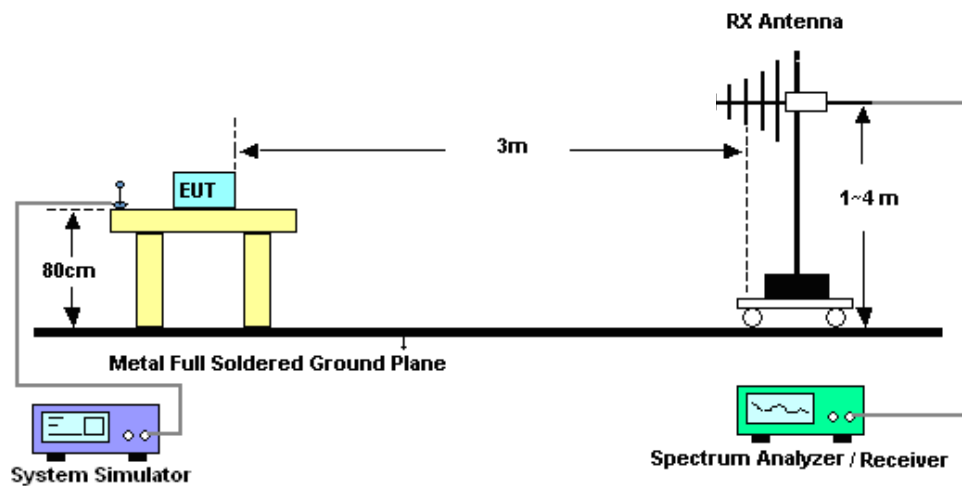
See list of measuring instruments of this test report.

4.2 Test Setup

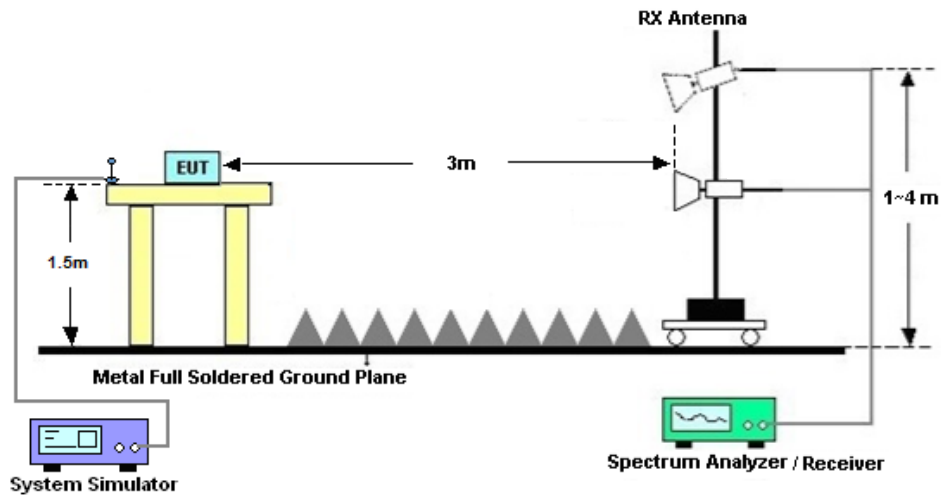
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna 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 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
ERP (dBm) = EIRP - 2.15
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is -40dBm/MHz



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 12, 2022	Dec. 16, 2022~ Dec. 22, 2022	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2022	Dec. 16, 2022~ Dec. 22, 2022	Aug. 25, 2023	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011 440	-40~+150°C 20%~95%RH	Jul. 15, 2022	Dec. 16, 2022~ Dec. 22, 2022	Jul. 14, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY574710 79	10Hz-44G,MAX 30dB	Oct. 12, 2022	Dec. 16, 2022	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	Dec. 16, 2022	Oct. 15, 2023	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 24, 2022	Dec. 16, 2022	May 23, 2023	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Jan. 05, 2022	Dec. 16, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Dec. 16, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 05, 2022	Dec. 16, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GG A	060728	18~40GHz	Jan. 05, 2022	Dec. 16, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 12, 2022	Dec. 16, 2022	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A023 70	1Ghz-18Ghz	Oct. 12, 2022	Dec. 16, 2022	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F1040900 04	N/A	NCR	Dec. 16, 2022	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 16, 2022	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 16, 2022	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required



6 Uncertainty of Evaluation

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±0.46 dB
Conducted Emissions	±0.48 dB
Occupied Channel Bandwidth	±0.10 %

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
---	-------

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

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

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



Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 48C:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Gain	EIRP		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		L	M	H
Channel				L	M	H				
20+20	QPSK	1RB01RBMAX		11.53	11.37	11.32	-2.10	0.0088	0.0085	0.0084
	QPSK	1RBMAX1RB0		20.02	19.87	19.81	-2.10	0.0619	0.0598	0.0590
	QPSK	FULL		18.11	17.86	17.94	-2.10	0.0399	0.0377	0.0384
	16QAM	1RB01RBMAX		11.29	11.46	11.15	-2.10	0.0083	0.0086	0.0080
	16QAM	1RBMAX1RB0		19.04	18.69	18.79	-2.10	0.0494	0.0456	0.0467
	16QAM	FULL		17.14	16.89	16.80	-2.10	0.0319	0.0301	0.0295
	64QAM	1RB01RBMAX		11.26	11.33	11.50	-2.10	0.0082	0.0084	0.0087
	64QAM	1RBMAX1RB0		18.26	17.84	18.15	-2.10	0.0413	0.0375	0.0403
	64QAM	FULL		17.00	16.94	16.93	-2.10	0.0309	0.0305	0.0304
	256QAM	1RB01RBMAX		11.38	11.21	11.38	-2.10	0.0085	0.0081	0.0085
	256QAM	1RBMAX1RB0		15.12	15.01	15.15	-2.10	0.0200	0.0195	0.0202
	256QAM	FULL		15.03	14.90	14.87	-2.10	0.0196	0.0191	0.0189
20+15	QPSK	1RB01RBMAX		11.53	11.38	11.43	-2.10	0.0088	0.0085	0.0086
	QPSK	1RBMAX1RB0		19.85	19.79	19.72	-2.10	0.0596	0.0587	0.0578
	QPSK	FULL		18.16	17.84	17.83	-2.10	0.0404	0.0375	0.0374
	16QAM	1RB01RBMAX		11.44	11.36	11.19	-2.10	0.0086	0.0084	0.0081
	16QAM	1RBMAX1RB0		19.02	18.92	18.67	-2.10	0.0492	0.0481	0.0454
	16QAM	FULL		17.14	17.01	16.92	-2.10	0.0319	0.0310	0.0303
	64QAM	1RB01RBMAX		11.50	11.19	11.78	-2.10	0.0087	0.0081	0.0093
	64QAM	1RBMAX1RB0		18.18	18.06	17.80	-2.10	0.0406	0.0394	0.0372
	64QAM	FULL		16.98	16.91	16.93	-2.10	0.0308	0.0303	0.0304
	256QAM	1RB01RBMAX		11.06	11.41	11.48	-2.10	0.0079	0.0085	0.0087
	256QAM	1RBMAX1RB0		15.02	14.79	14.81	-2.10	0.0196	0.0186	0.0187
	256QAM	FULL		15.11	14.86	14.86	-2.10	0.0200	0.0189	0.0189
20+10	QPSK	1RB01RBMAX		11.62	11.29	11.42	-2.10	0.0090	0.0083	0.0086
	QPSK	1RBMAX1RB0		19.99	19.72	19.89	-2.10	0.0615	0.0578	0.0601
	QPSK	FULL		18.00	17.91	17.85	-2.10	0.0389	0.0381	0.0376
	16QAM	1RB01RBMAX		11.67	11.40	11.45	-2.10	0.0091	0.0085	0.0086
	16QAM	1RBMAX1RB0		18.90	18.91	18.78	-2.10	0.0479	0.0480	0.0466
	16QAM	FULL		17.11	16.78	16.83	-2.10	0.0317	0.0294	0.0297
	64QAM	1RB01RBMAX		11.79	11.18	11.58	-2.10	0.0093	0.0081	0.0089
	64QAM	1RBMAX1RB0		18.08	18.11	18.09	-2.10	0.0396	0.0399	0.0397
	64QAM	FULL		17.07	16.81	16.96	-2.10	0.0314	0.0296	0.0306
	256QAM	1RB01RBMAX		11.32	11.15	11.25	-2.10	0.0084	0.0080	0.0082
	256QAM	1RBMAX1RB0		15.13	14.68	15.08	-2.10	0.0201	0.0181	0.0199
	256QAM	FULL		15.05	14.89	14.92	-2.10	0.0197	0.0190	0.0191



20+5	QPSK	1RB01RBMAX	11.59	11.37	11.44	-2.10	0.0089	0.0085	0.0086
	QPSK	1RBMAX1RB0	19.93	19.76	19.75	-2.10	0.0607	0.0583	0.0582
	QPSK	FULL	18.05	17.96	18.11	-2.10	0.0394	0.0385	0.0399
	16QAM	1RB01RBMAX	11.25	11.33	11.50	-2.10	0.0082	0.0084	0.0087
	16QAM	1RBMAX1RB0	18.96	18.82	18.81	-2.10	0.0485	0.0470	0.0469
	16QAM	FULL	17.14	16.89	16.93	-2.10	0.0319	0.0301	0.0304
	64QAM	1RB01RBMAX	11.61	11.51	11.26	-2.10	0.0089	0.0087	0.0082
	64QAM	1RBMAX1RB0	17.78	18.02	17.92	-2.10	0.0370	0.0391	0.0382
	64QAM	FULL	17.05	16.75	16.91	-2.10	0.0313	0.0292	0.0303
	256QAM	1RB01RBMAX	11.57	11.52	11.74	-2.10	0.0089	0.0087	0.0092
	256QAM	1RBMAX1RB0	15.11	14.92	15.06	-2.10	0.0200	0.0191	0.0198
	256QAM	FULL	15.01	14.93	14.92	-2.10	0.0195	0.0192	0.0191
15+20	QPSK	1RB01RBMAX	11.64	11.38	11.40	-2.10	0.0090	0.0085	0.0085
	QPSK	1RBMAX1RB0	20.01	19.66	11.49	-2.10	0.0618	0.0570	0.0087
	QPSK	FULL	18.09	17.80	17.96	-2.10	0.0397	0.0372	0.0385
	16QAM	1RB01RBMAX	11.42	11.40	11.21	-2.10	0.0086	0.0085	0.0081
	16QAM	1RBMAX1RB0	19.02	18.86	11.37	-2.10	0.0492	0.0474	0.0085
	16QAM	FULL	17.02	16.85	16.85	-2.10	0.0310	0.0299	0.0299
	64QAM	1RB01RBMAX	11.41	11.29	11.55	-2.10	0.0085	0.0083	0.0088
	64QAM	1RBMAX1RB0	18.11	17.73	11.50	-2.10	0.0399	0.0366	0.0087
	64QAM	FULL	17.07	16.94	16.97	-2.10	0.0314	0.0305	0.0307
	256QAM	1RB01RBMAX	11.28	11.20	11.33	-2.10	0.0083	0.0081	0.0084
	256QAM	1RBMAX1RB0	15.00	14.78	11.35	-2.10	0.0195	0.0185	0.0084
	256QAM	FULL	15.01	14.89	15.12	-2.10	0.0195	0.0190	0.0200
10+20	QPSK	1RB01RBMAX	11.59	11.33	11.42	-2.10	0.0089	0.0084	0.0086
	QPSK	1RBMAX1RB0	19.82	19.78	19.86	-2.10	0.0592	0.0586	0.0597
	QPSK	FULL	18.06	18.01	18.11	-2.10	0.0394	0.0390	0.0399
	16QAM	1RB01RBMAX	11.52	11.23	11.42	-2.10	0.0087	0.0082	0.0086
	16QAM	1RBMAX1RB0	18.97	18.83	18.76	-2.10	0.0486	0.0471	0.0463
	16QAM	FULL	16.94	17.03	16.88	-2.10	0.0305	0.0311	0.0301
	64QAM	1RB01RBMAX	11.44	11.36	11.25	-2.10	0.0086	0.0084	0.0082
	64QAM	1RBMAX1RB0	18.10	18.07	18.01	-2.10	0.0398	0.0395	0.0390
	64QAM	FULL	16.91	16.96	16.75	-2.10	0.0303	0.0306	0.0292
	256QAM	1RB01RBMAX	11.32	11.21	11.28	-2.10	0.0084	0.0081	0.0083
	256QAM	1RBMAX1RB0	14.93	14.88	14.75	-2.10	0.0192	0.0190	0.0184
	256QAM	FULL	15.06	14.86	14.92	-2.10	0.0198	0.0189	0.0191
5+20	QPSK	1RB01RBMAX	11.62	11.38	11.46	-2.10	0.0090	0.0085	0.0086
	QPSK	1RBMAX1RB0	19.97	19.80	19.82	-2.10	0.0612	0.0589	0.0592
	QPSK	FULL	18.10	17.93	18.02	-2.10	0.0398	0.0383	0.0391
	16QAM	1RB01RBMAX	11.55	11.46	11.40	-2.10	0.0088	0.0086	0.0085
	16QAM	1RBMAX1RB0	18.86	18.76	19.01	-2.10	0.0474	0.0463	0.0491
	16QAM	FULL	17.05	16.92	16.89	-2.10	0.0313	0.0303	0.0301
	64QAM	1RB01RBMAX	11.46	11.41	11.33	-2.10	0.0086	0.0085	0.0084
	64QAM	1RBMAX1RB0	18.04	18.11	18.13	-2.10	0.0393	0.0399	0.0401
	64QAM	FULL	17.01	16.98	16.91	-2.10	0.0310	0.0308	0.0303
	256QAM	1RB01RBMAX	11.34	11.22	11.26	-2.10	0.0084	0.0082	0.0082
	256QAM	1RBMAX1RB0	14.95	15.01	14.99	-2.10	0.0193	0.0195	0.0195
	256QAM	FULL	15.12	15.09	14.88	-2.10	0.0200	0.0199	0.0190



LTE Band 48C

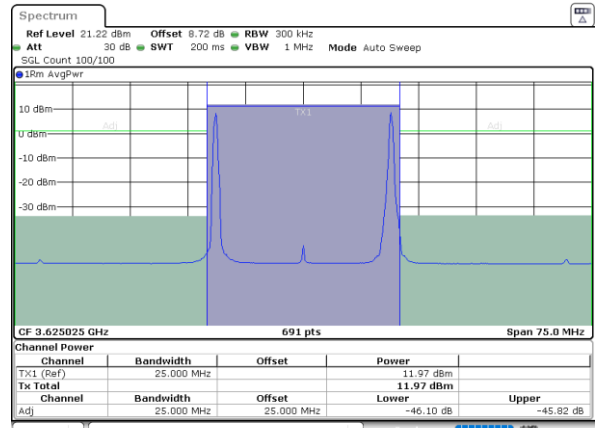
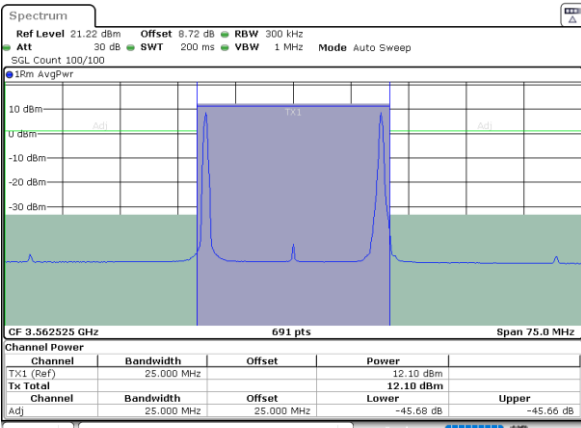
ACLR

LTE Band 48C / 5MHz+20MHz

QPSK

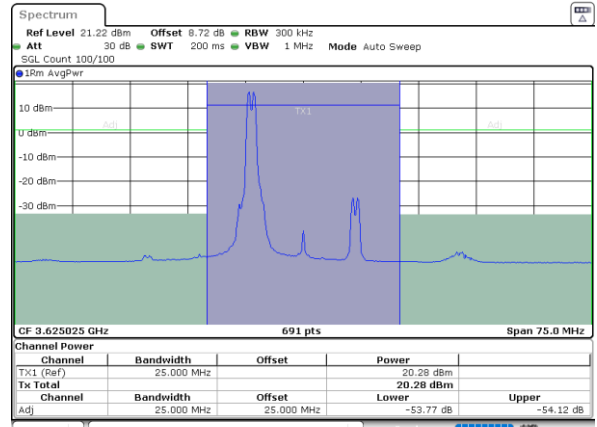
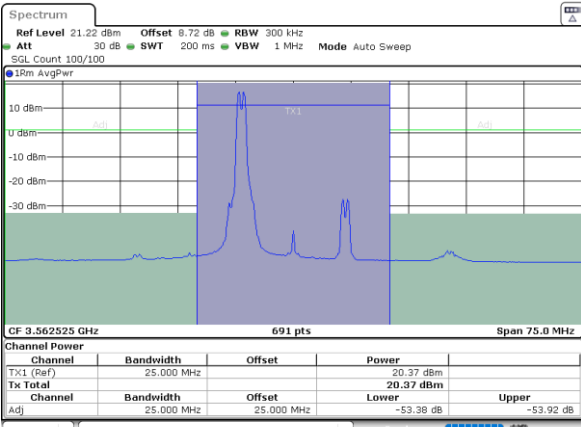
Lowest Band Edge / 1RB0 and 1RB99

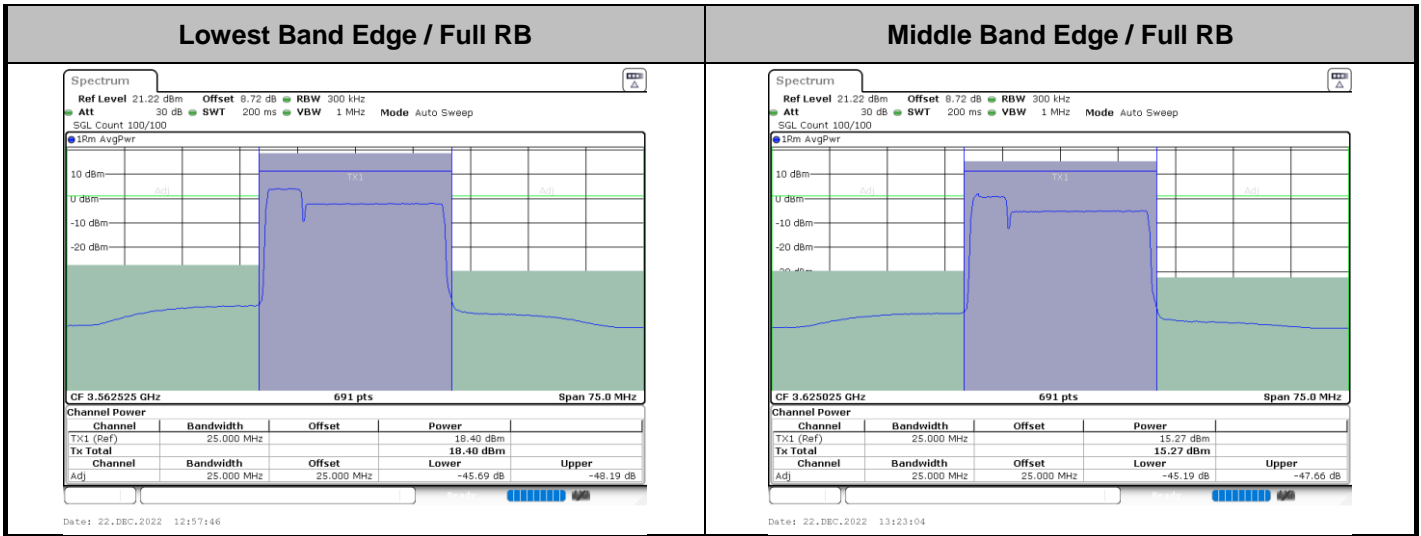
Middle Band Edge / 1RB0 and 1RB99



Lowest Band Edge / 1RB24 and 1RB0

Middle Band Edge / 1RB24 and 1RB0





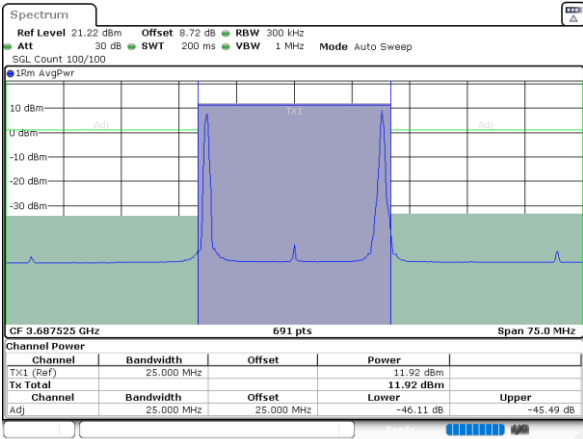


LTE Band 48C / 5MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

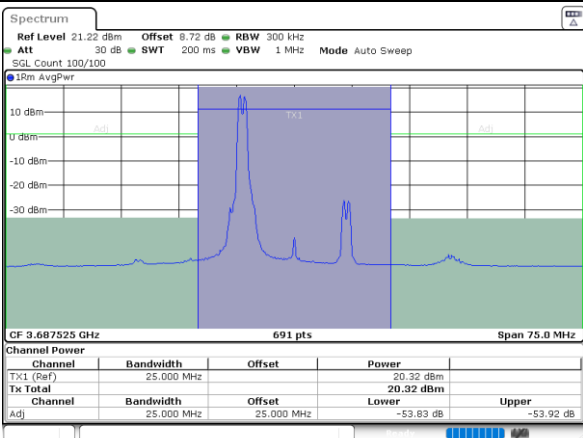
N/A



Date: 22, DEC, 2022 13:40:07

Highest Band Edge / 1RB24 and 1RB0

N/A



Date: 22, DEC, 2022 13:32:23

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 13:43:11

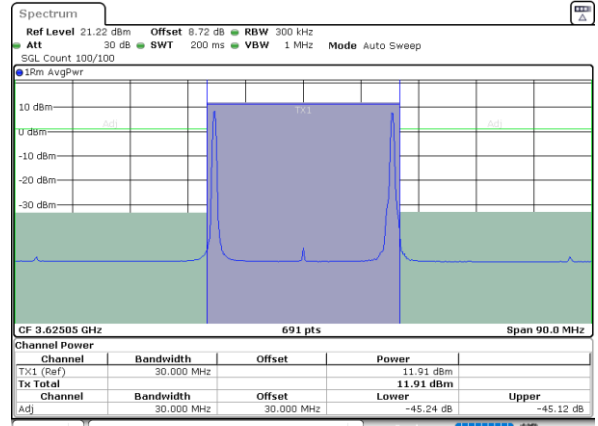
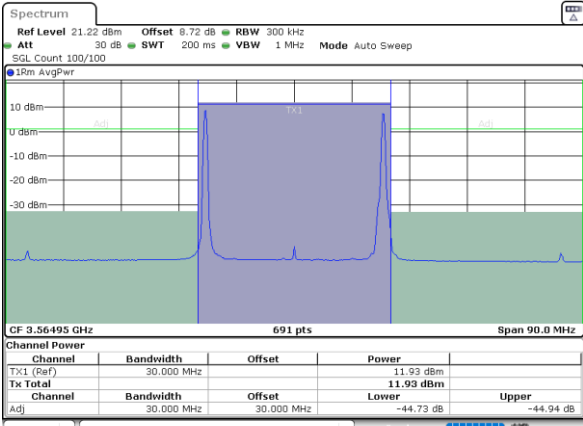


LTE Band 48C / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

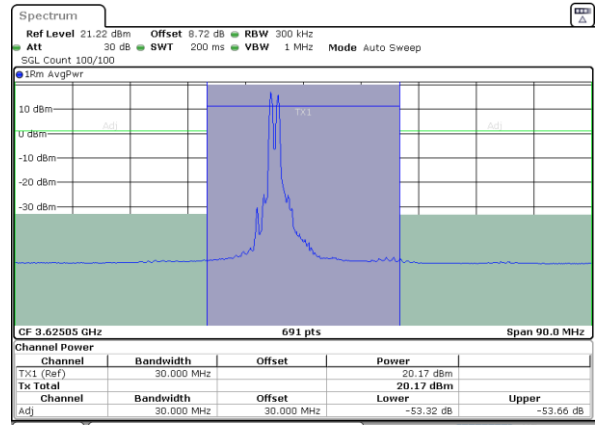
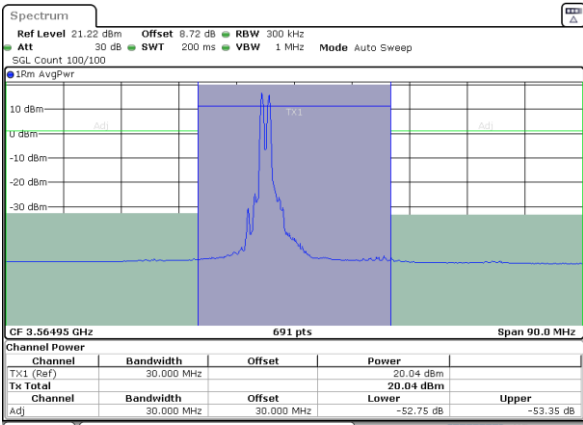


Date: 22, DEC, 2022 13:49:24

Date: 22, DEC, 2022 13:58:41

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

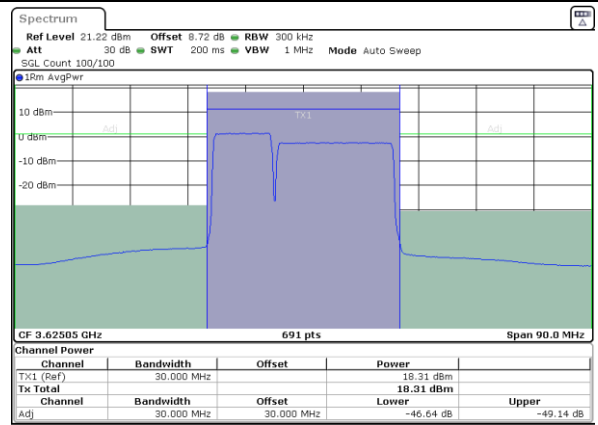
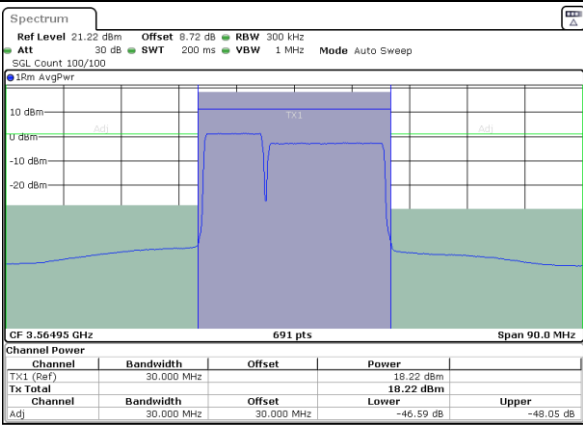


Date: 22, DEC, 2022 13:52:28

Date: 22, DEC, 2022 13:55:38

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 22, DEC, 2022 13:46:21

Date: 22, DEC, 2022 14:01:45

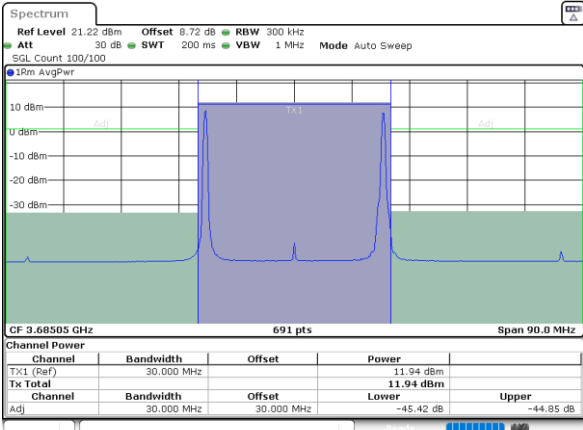


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

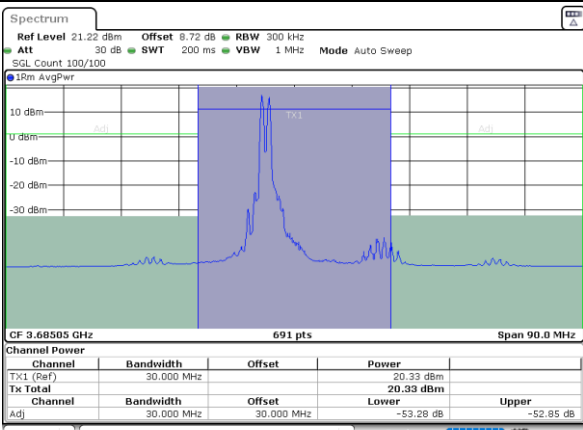
N/A



Date: 22, DEC, 2022 14:07:59

Highest Band Edge / 1RB49 and 1RB0

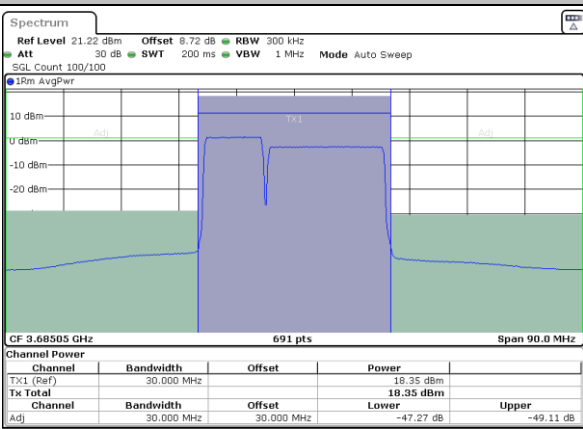
N/A



Date: 22, DEC, 2022 14:11:03

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 14:04:56

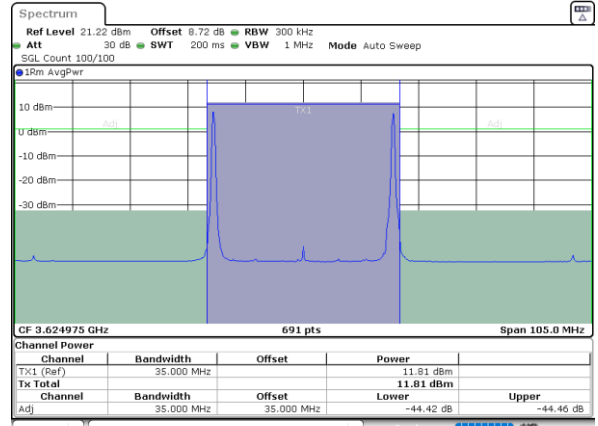
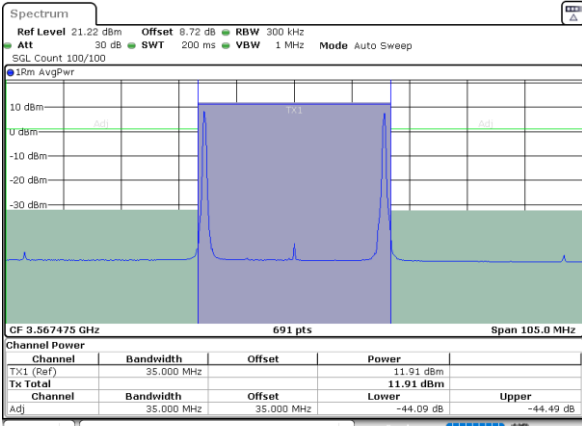


LTE Band 48C / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

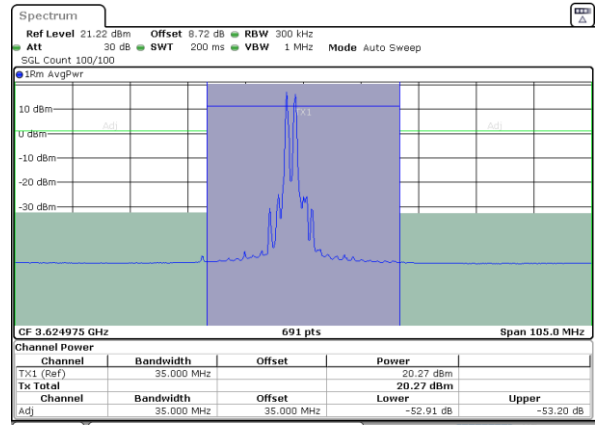
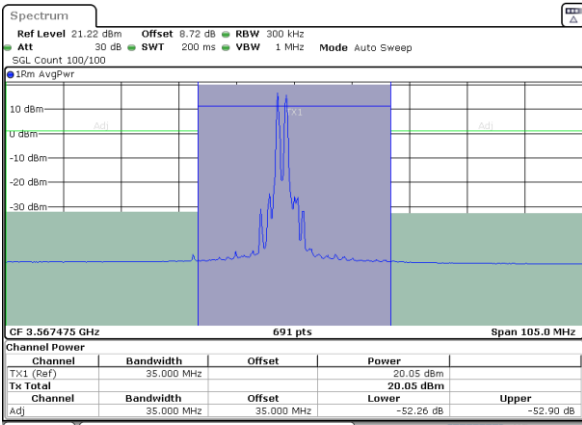


Date: 22, DEC, 2022 14:49:06

Date: 22, DEC, 2022 14:58:22

Lowest Band Edge / 1RB74 and 1RB0

Middle Band Edge / 1RB74 and 1RB0

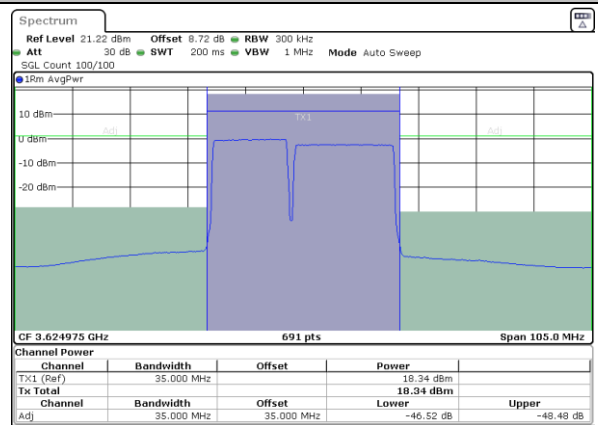
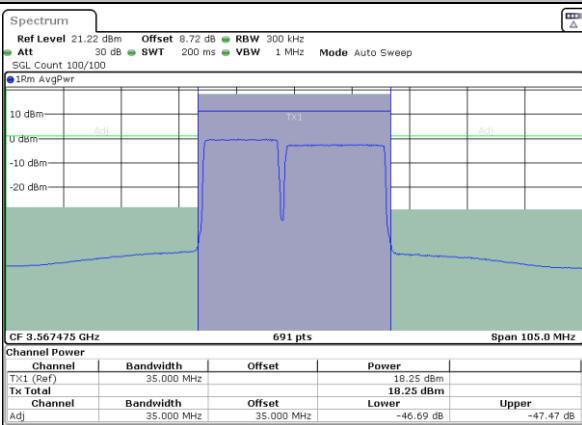


Date: 22, DEC, 2022 14:46:02

Date: 22, DEC, 2022 15:01:26

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 22, DEC, 2022 14:52:09

Date: 22, DEC, 2022 14:59:19

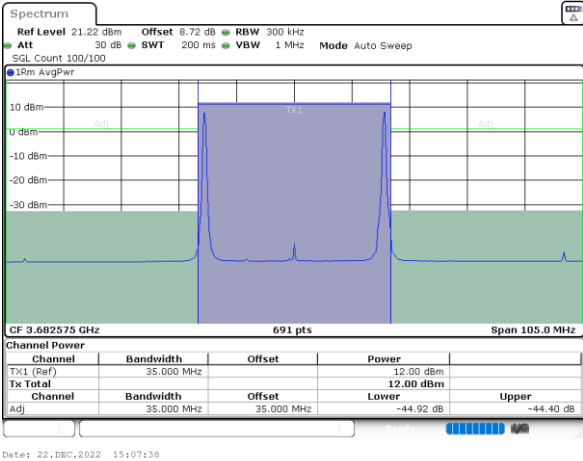


LTE Band 48C / 15MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

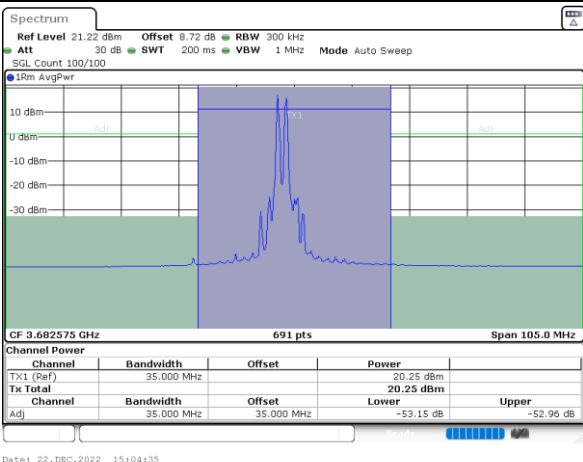
N/A



Date: 22, DEC, 2022 15:07:38

Highest Band Edge / 1RB74 and 1RB0

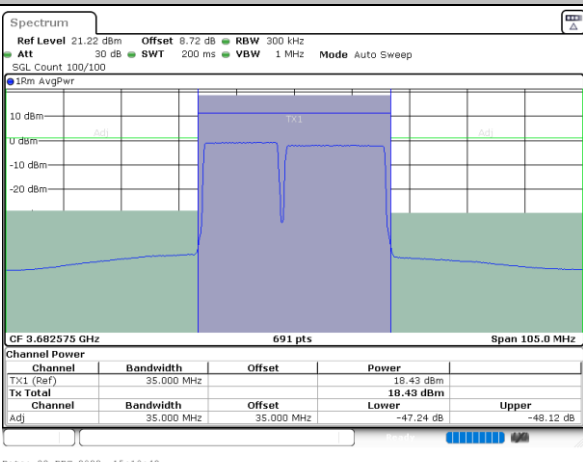
N/A



Date: 22, DEC, 2022 15:04:35

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 15:10:42

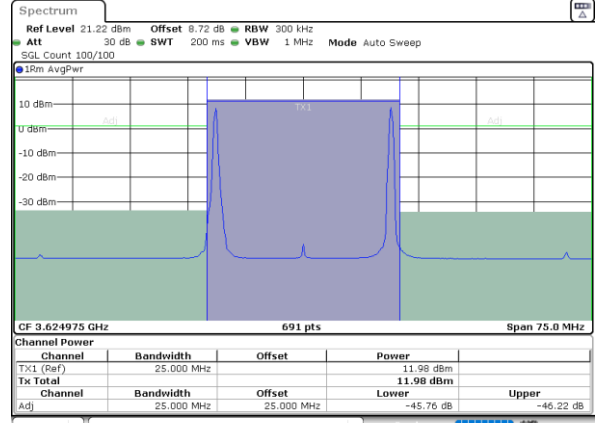
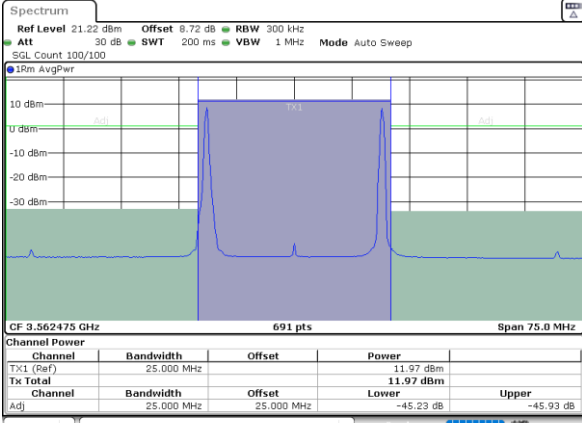


LTE Band 48C/ 20MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Middle Band Edge / 1RB0 and 1RB24

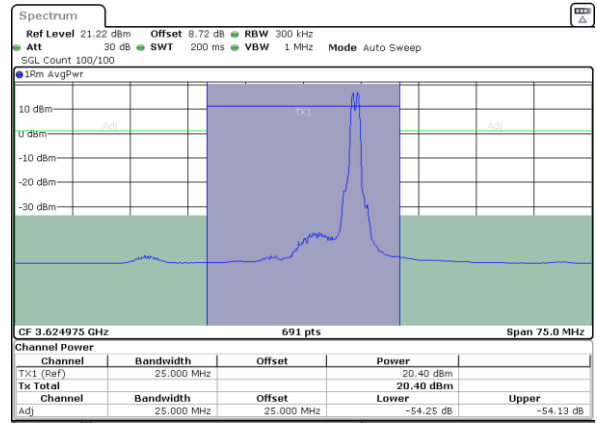
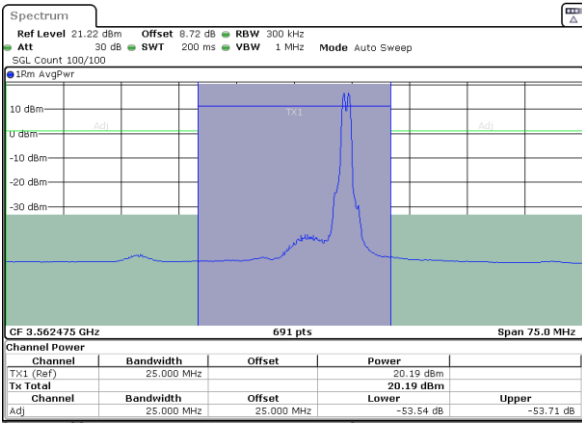


Date: 22, DEC, 2022 15:18:42

Date: 22, DEC, 2022 15:18:56

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

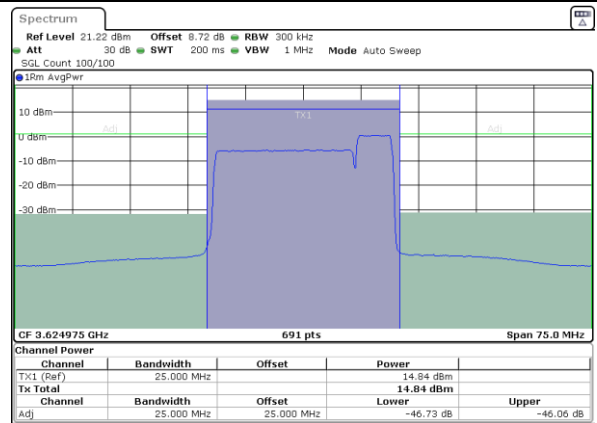
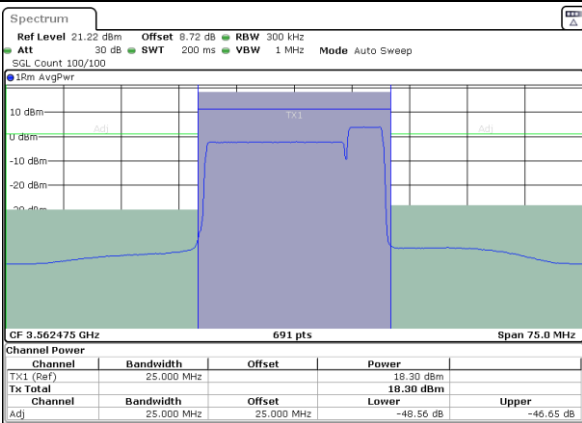


Date: 22, DEC, 2022 15:21:47

Date: 22, DEC, 2022 15:41:59

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 22, DEC, 2022 15:15:38

Date: 22, DEC, 2022 15:35:52

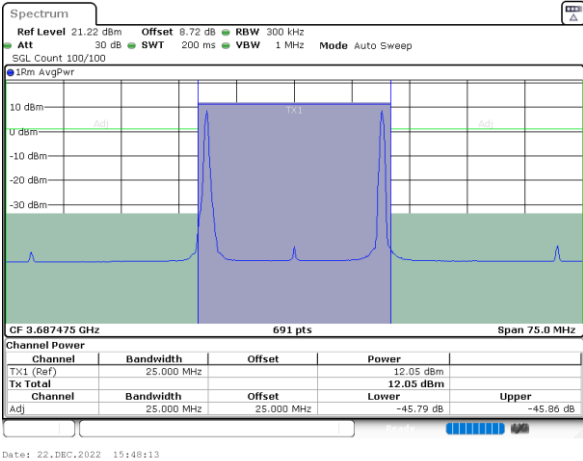


LTE Band 48C / 20MHz+5MHz

QPSK

Highest Band Edge / 1RB0 and 1RB24

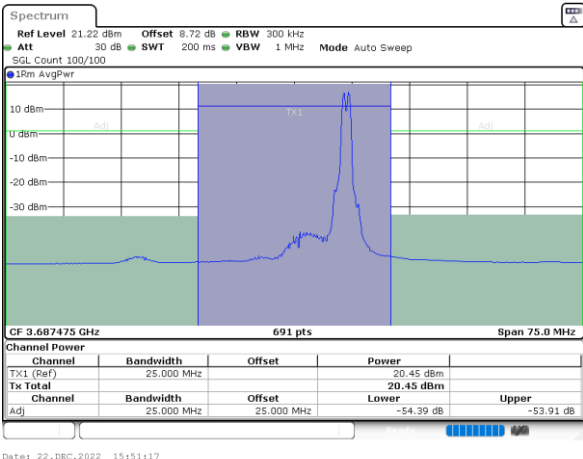
N/A



Date: 22, DEC, 2022 15:48:13

Highest Band Edge / 1RB99 and 1RB0

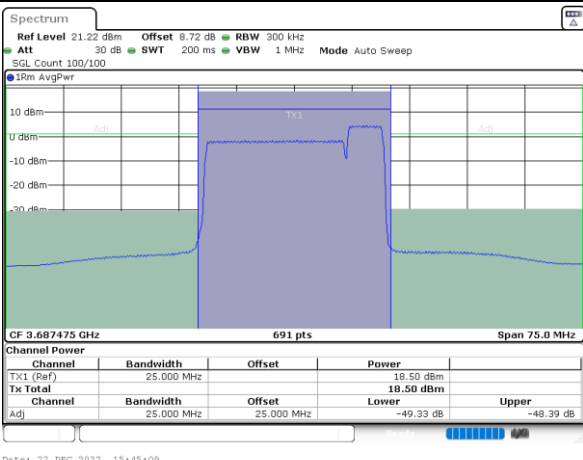
N/A



Date: 22, DEC, 2022 15:51:17

Highest Band Edge / Full RB

N/A



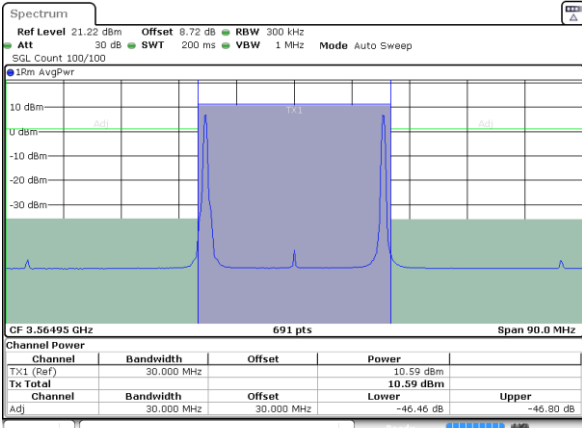
Date: 22, DEC, 2022 15:49:09



LTE Band 48C / 20MHz+10MHz

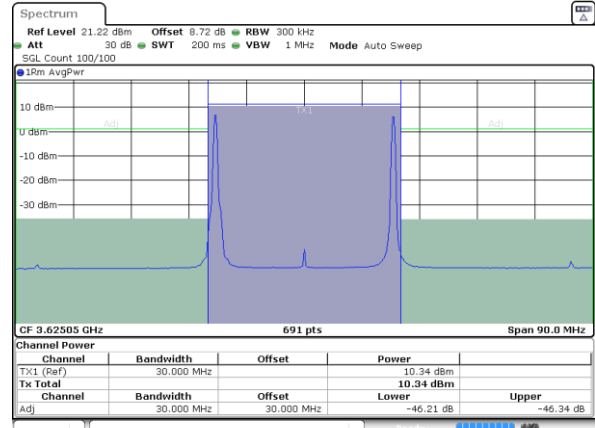
QPSK

Lowest Band Edge / 1RB0 and 1RB49



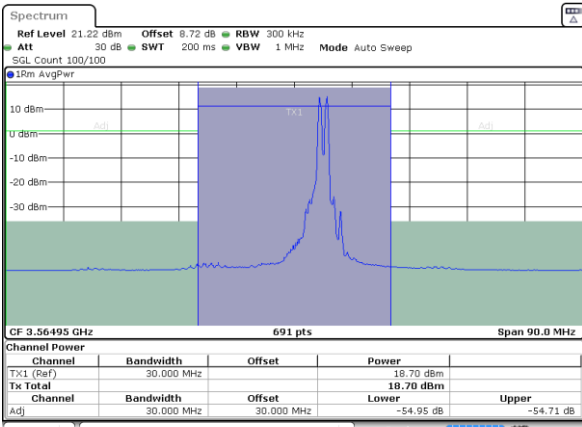
Date: 21 DEC 2022 10:35:54

Middle Band Edge / 1RB0 and 1RB49



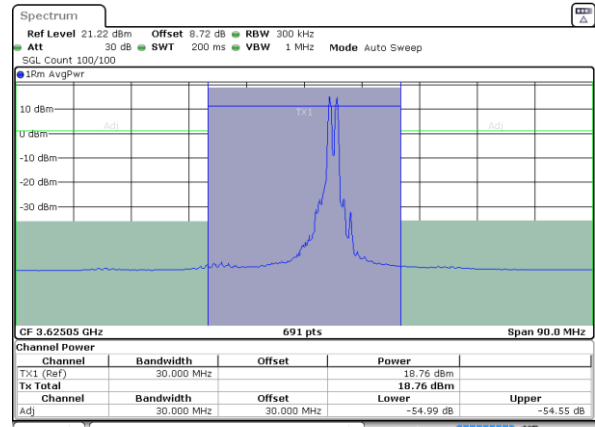
Date: 21 DEC 2022 12:09:52

Lowest Band Edge / 1RB99 and 1RB0



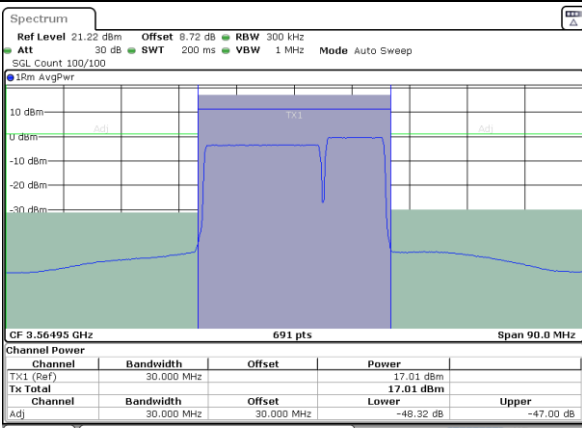
Date: 21 DEC 2022 11:54:53

Middle Band Edge / 1RB99 and 1RB0



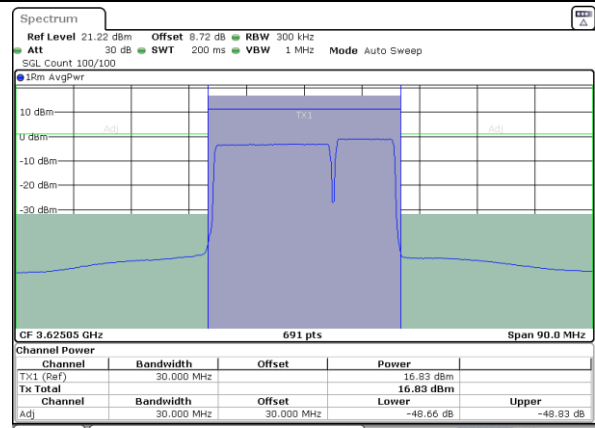
Date: 21 DEC 2022 12:10:47

Lowest Band Edge / Full RB



Date: 21 DEC 2022 10:29:02

Middle Band Edge / Full RB



Date: 21 DEC 2022 12:01:32

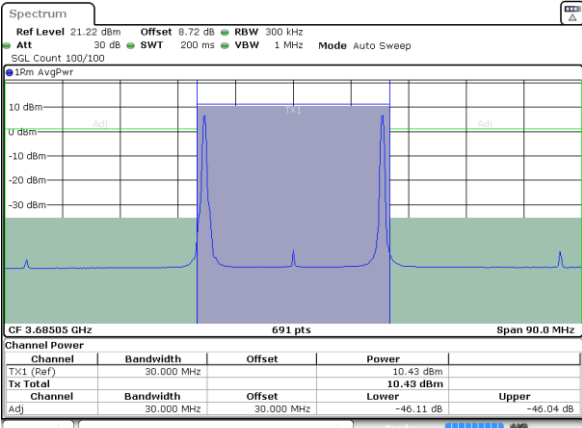


LTE Band 48C / 20MHz+10MHz

QPSK

Highest Band Edge / 1RB0 and 1RB49

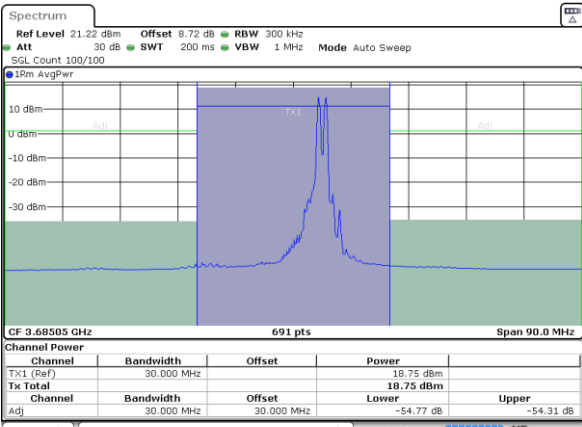
N/A



Date: 21 DEC 2022 12:22:26

Highest Band Edge / 1RB99 and 1RB0

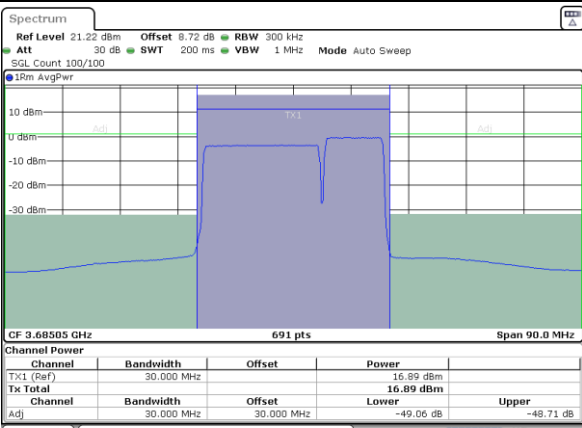
N/A



Date: 21 DEC 2022 12:23:37

Highest Band Edge / Full RB

N/A



Date: 21 DEC 2022 12:15:04

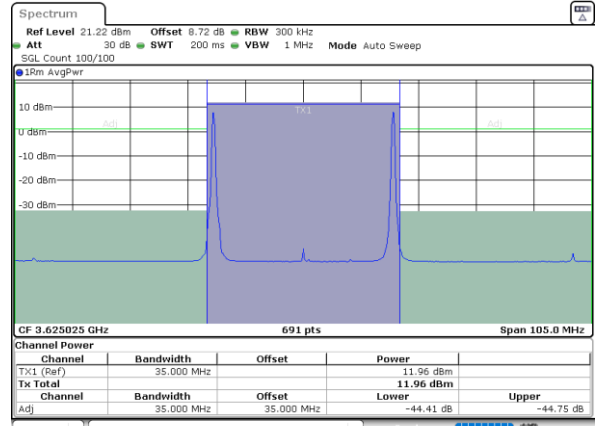
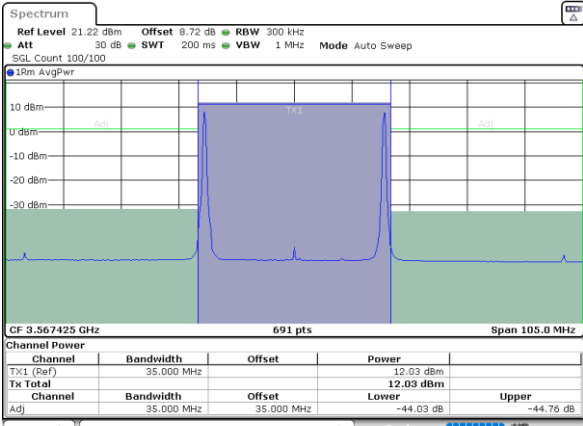


LTE Band 48C / 20MHz+15MHz

QPSK

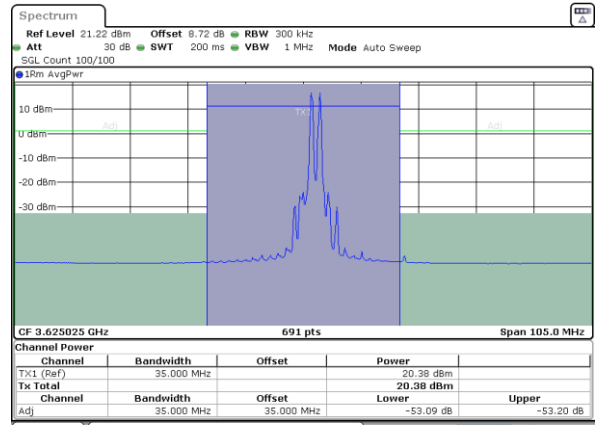
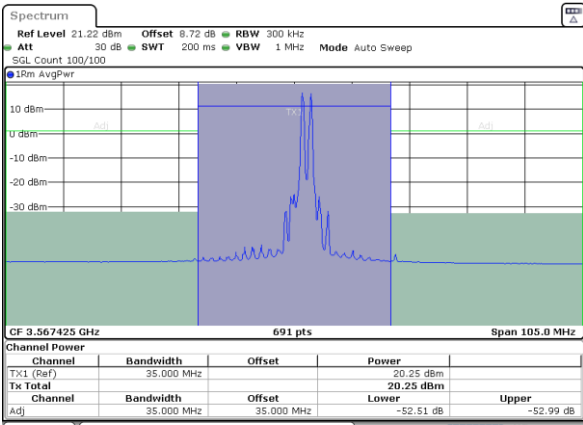
Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74



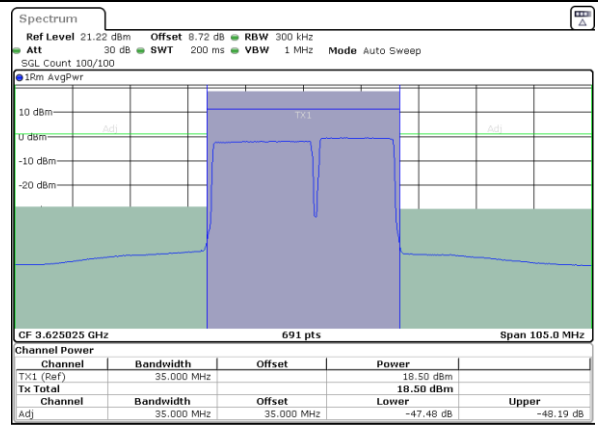
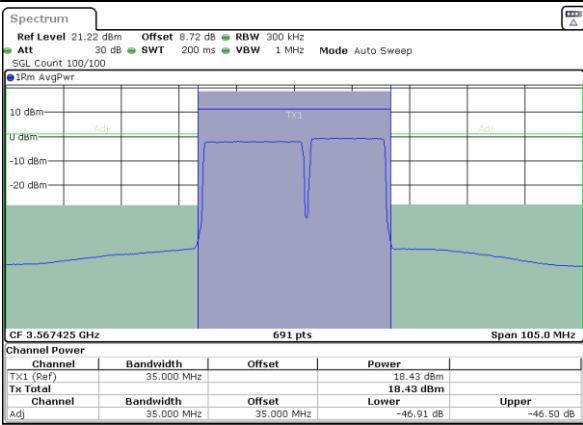
Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



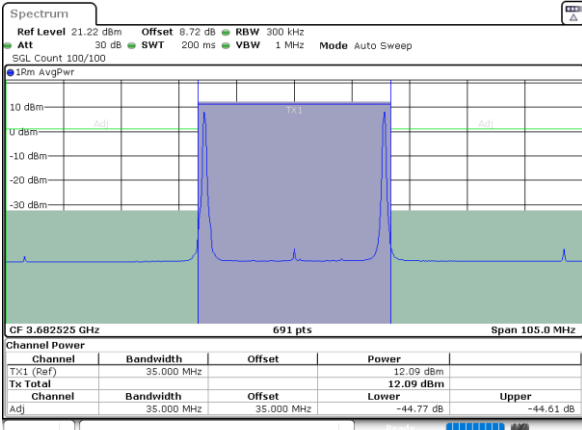


LTE Band 48C / 20MHz+15MHz

QPSK

Highest Band Edge / 1RB0 and 1RB74

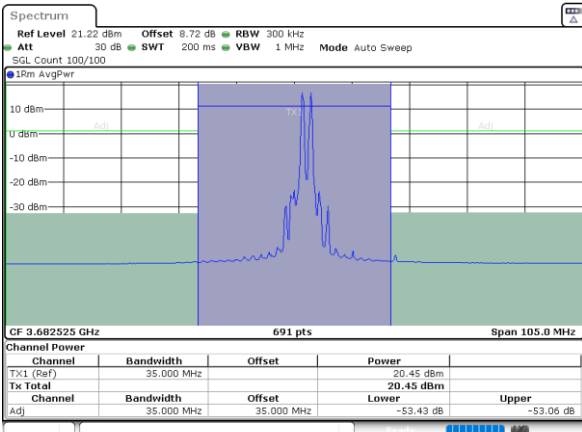
N/A



Date: 22, DEC, 2022 16:20:46

Highest Band Edge / 1RB99 and 1RB0

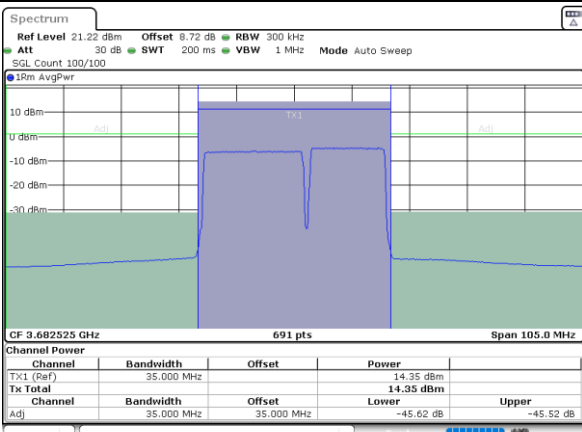
N/A



Date: 22, DEC, 2022 16:23:50

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 16:17:43

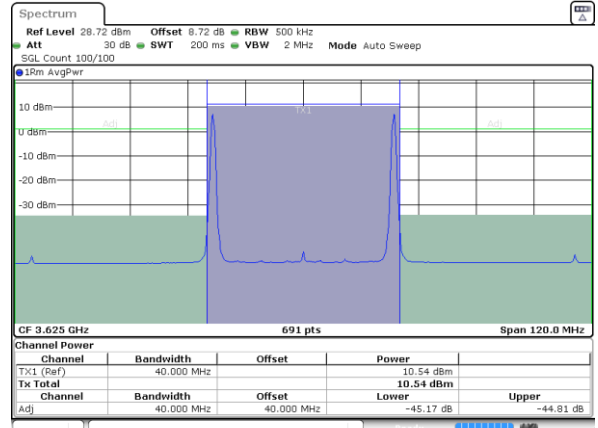
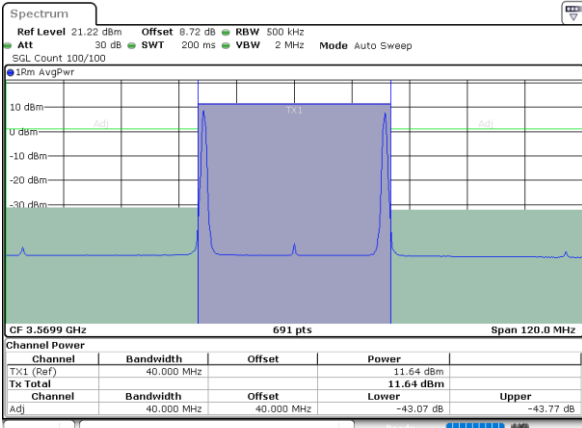


LTE Band 48C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

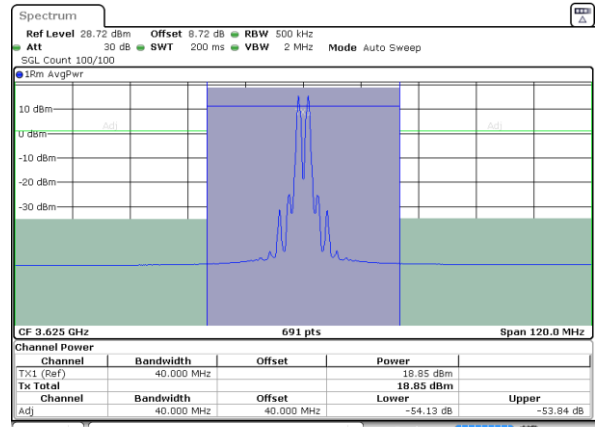
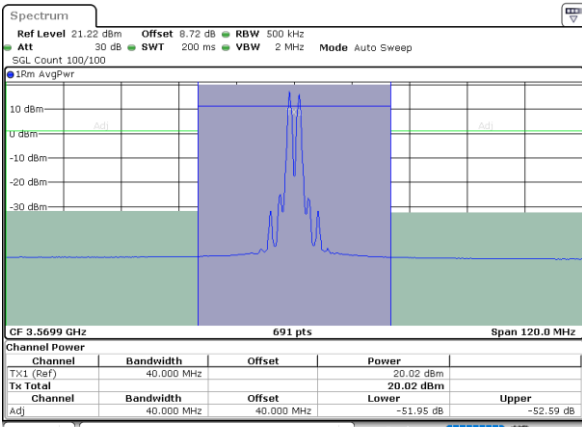


Date: 21. DEC. 2022 03:13:01

Date: 21 DEC 2022 07:39:14

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

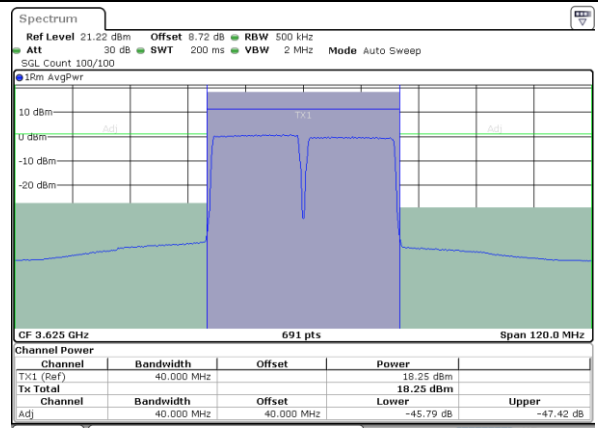
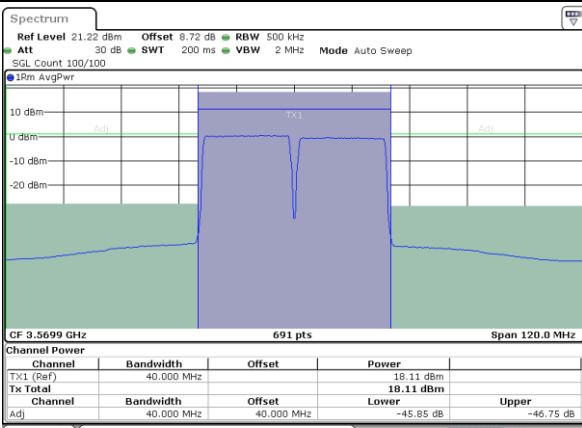


Date: 21. DEC. 2022 03:32:12

Date: 21 DEC 2022 07:49:20

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 21. DEC. 2022 03:34:34

Date: 21. DEC. 2022 04:09:59

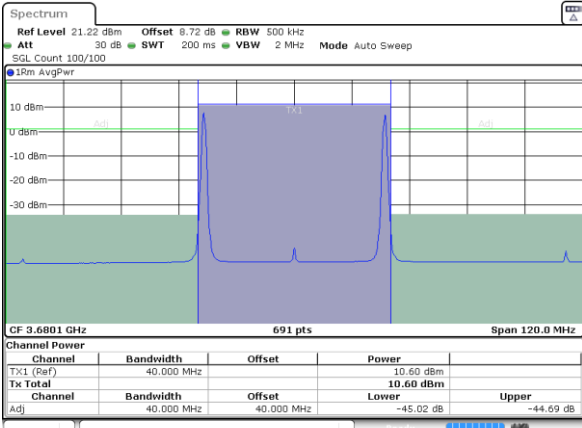


LTE Band 48C / 20MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

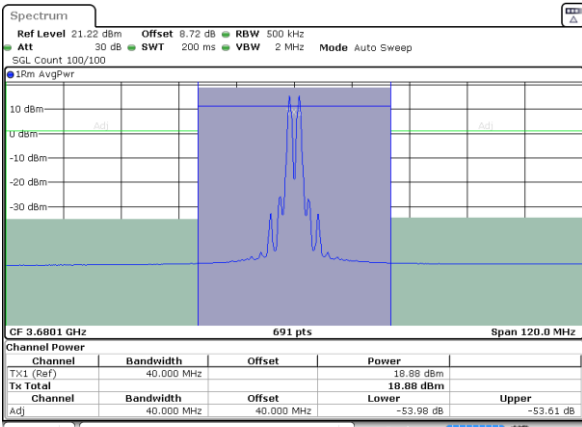
N/A



Date: 21 DEC 2022 07:59:11

Highest Band Edge / 1RB99 and 1RB0

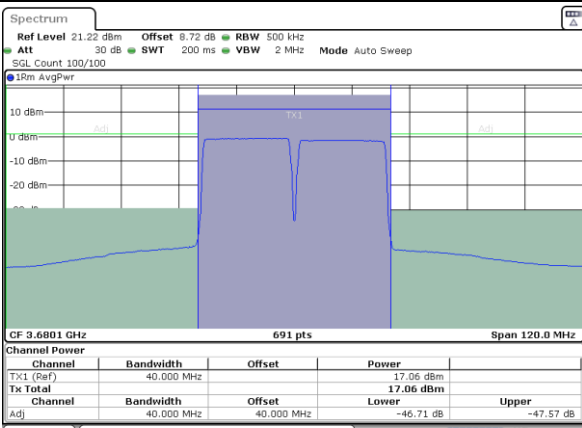
N/A



Date: 21 DEC 2022 08:04:31

Highest Band Edge / Full RB

N/A



Date: 21 DEC 2022 07:52:37

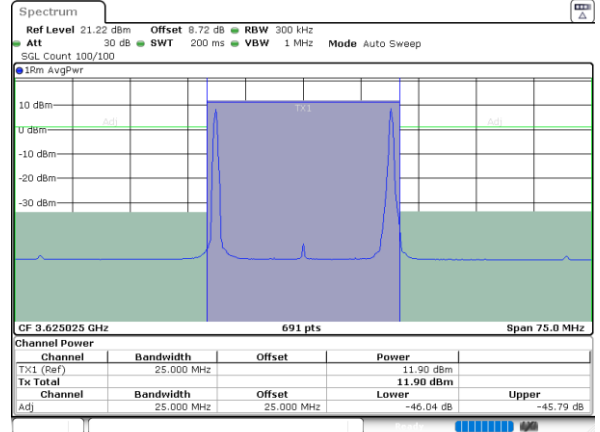
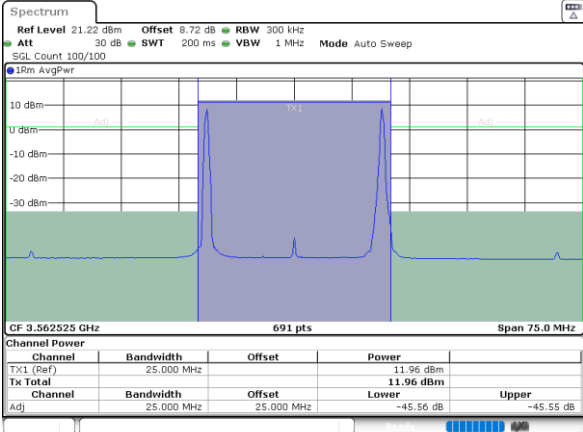


LTE Band 48C / 5MHz+20MHz

16QAM

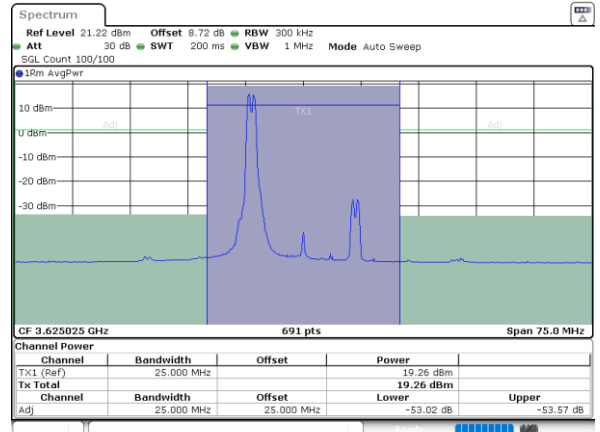
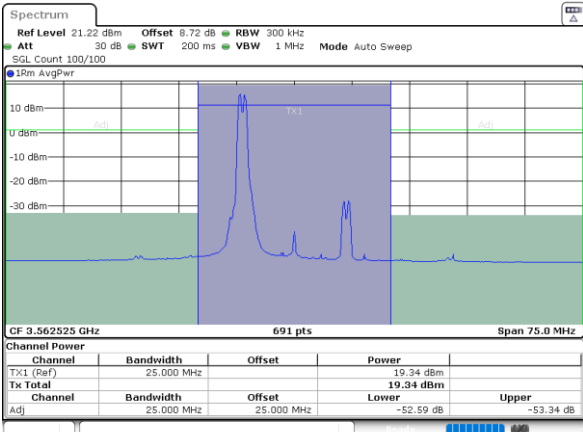
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



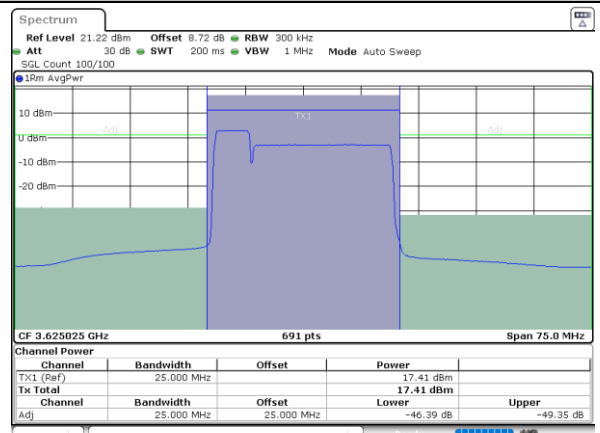
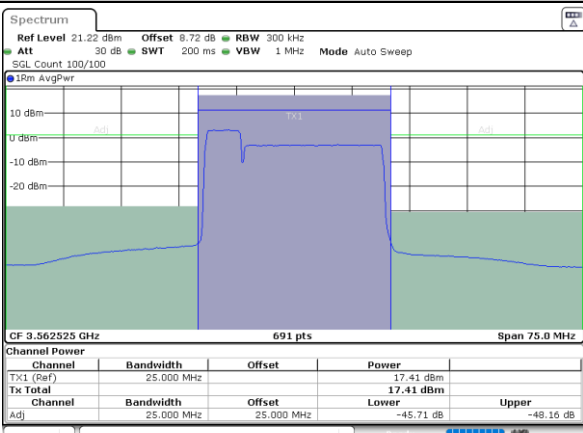
Lowest Band Edge / 1RB24 and 1RB0

Middle Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



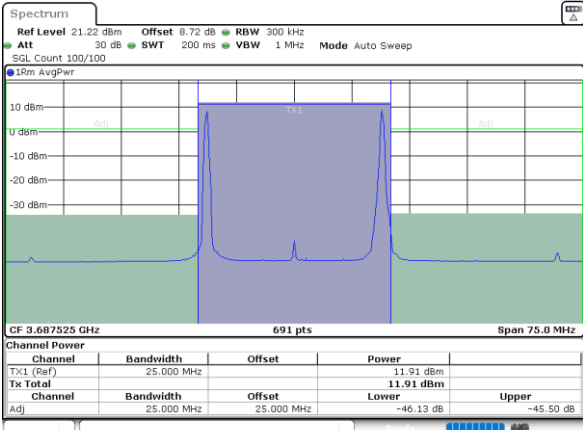


LTE Band 48C / 5MHz+20MHz

16QAM

Highest Band Edge / 1RB0 and 1RB99

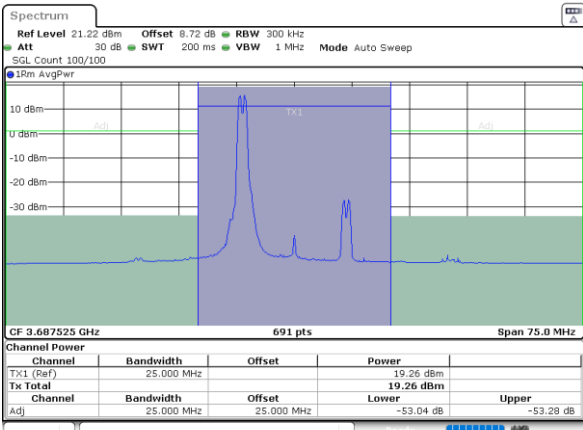
N/A



Date: 22, DEC, 2022 13:40:53

Highest Band Edge / 1RB24 and 1RB0

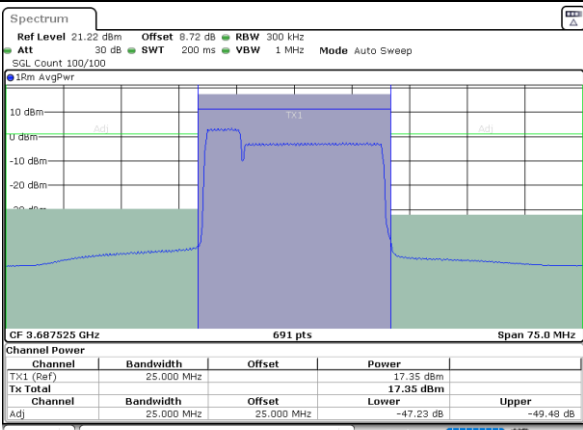
N/A



Date: 22, DEC, 2022 13:33:09

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 13:43:57

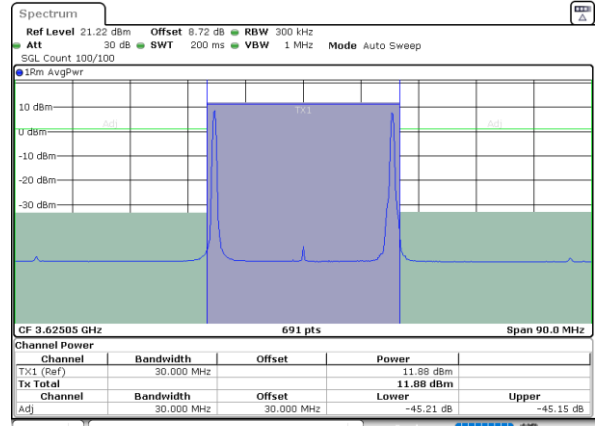
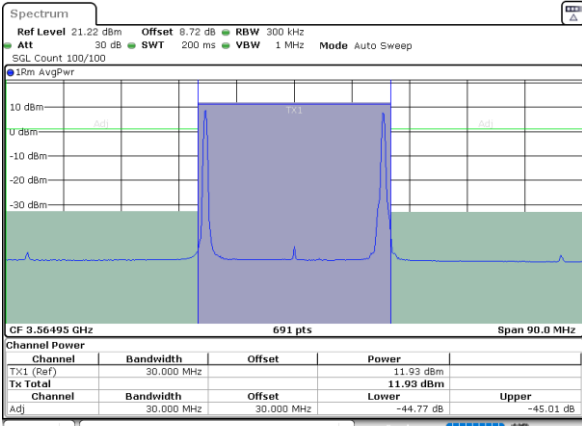


LTE Band 48C / 10MHz+20MHz

16QAM

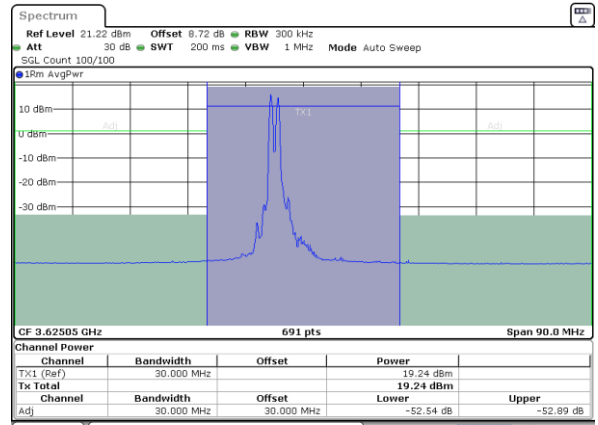
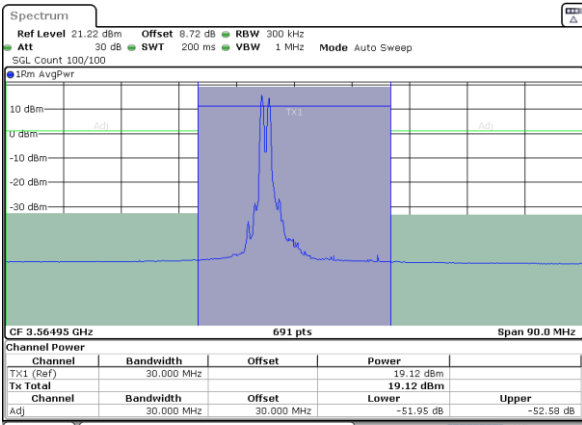
Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99



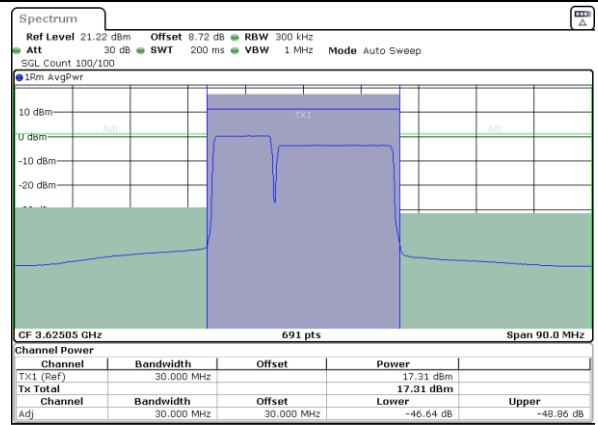
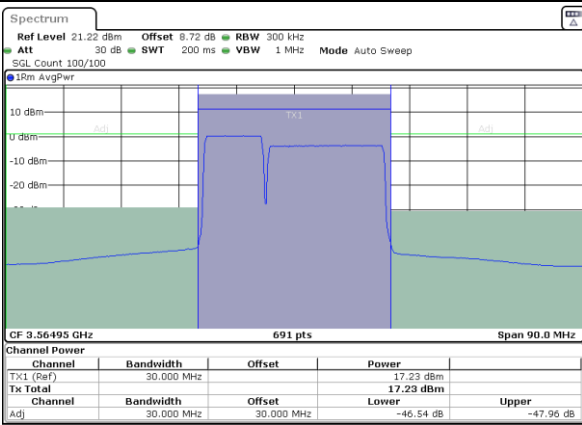
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



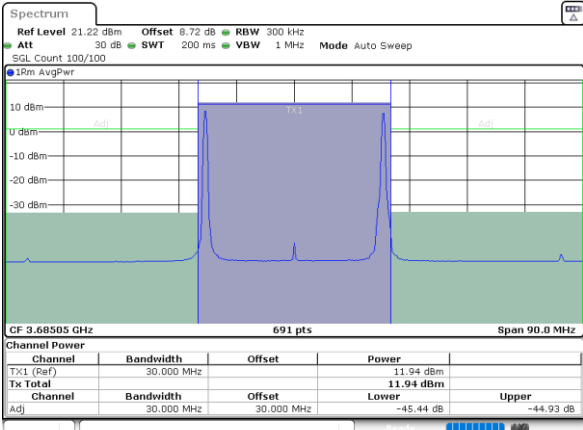


LTE Band 48C / 10MHz+20MHz

16QAM

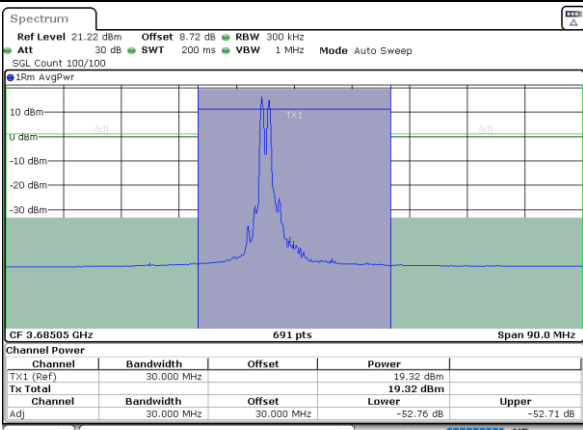
Highest Band Edge / 1RB0 and 1RB99

N/A



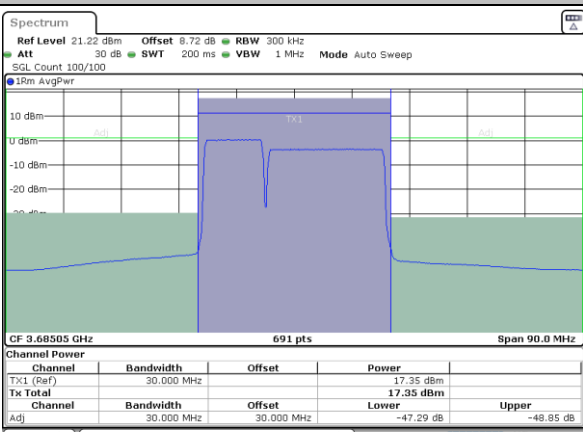
Highest Band Edge / 1RB49 and 1RB0

N/A



Highest Band Edge / Full RB

N/A



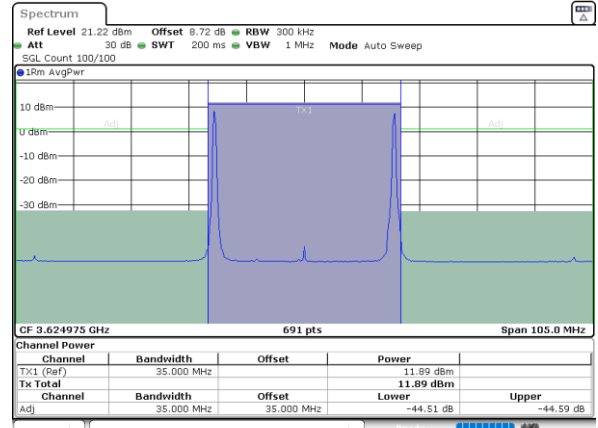
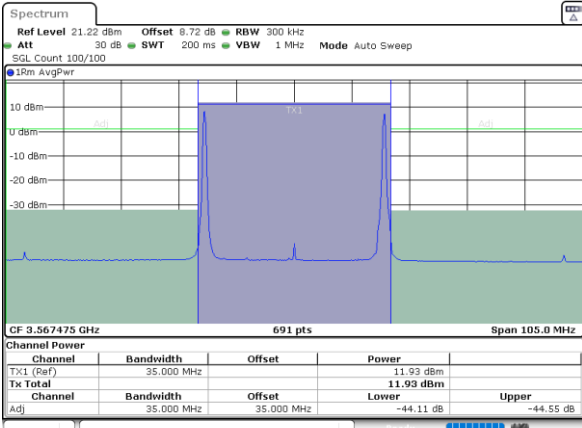


LTE Band 48C / 15MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

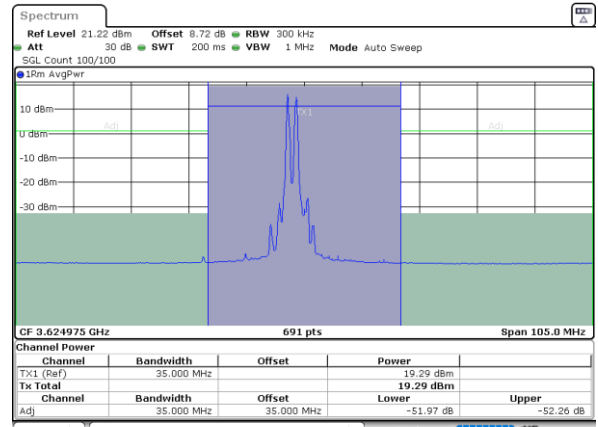
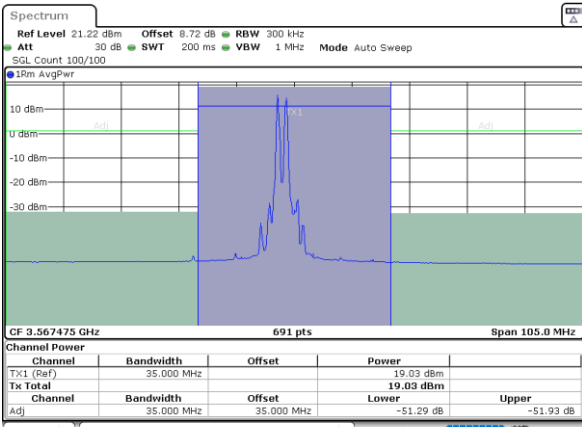


Date: 22,DEC,2022 14:49:51

Date: 22,DEC,2022 14:59:08

Lowest Band Edge / 1RB74 and 1RB0

Middle Band Edge / 1RB74 and 1RB0

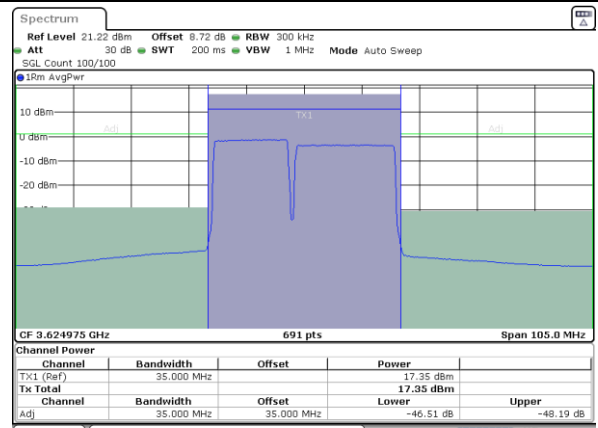
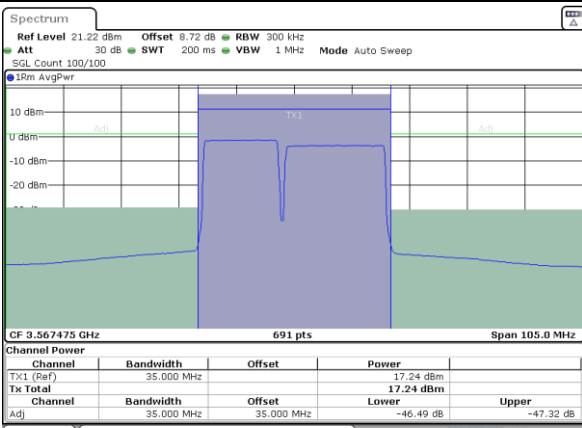


Date: 22,DEC,2022 14:46:47

Date: 22,DEC,2022 15:02:11

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 22,DEC,2022 14:52:55

Date: 22,DEC,2022 14:56:04

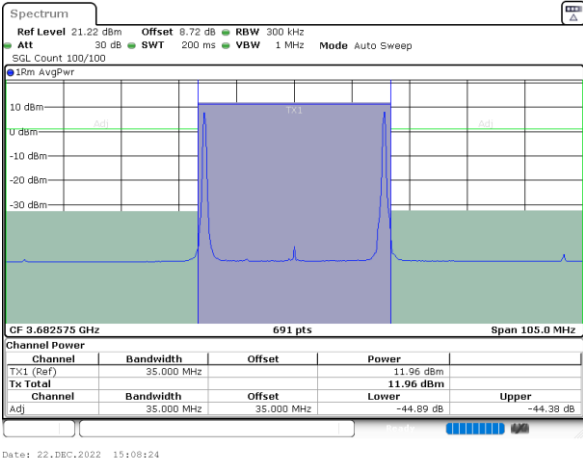


LTE Band 48C / 15MHz+20MHz

16QAM

Highest Band Edge / 1RB0 and 1RB99

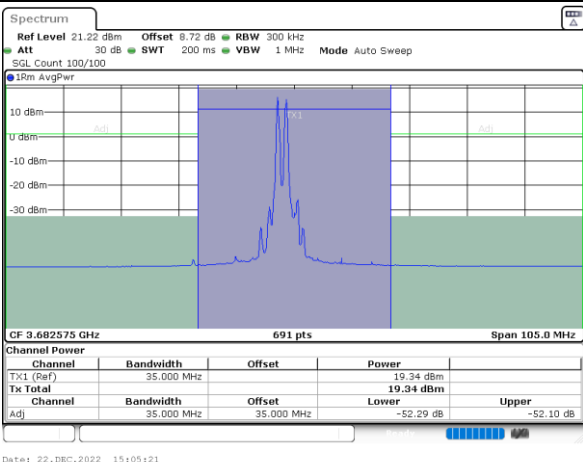
N/A



Date: 22, DEC, 2022 15:08:24

Highest Band Edge / 1RB74 and 1RB0

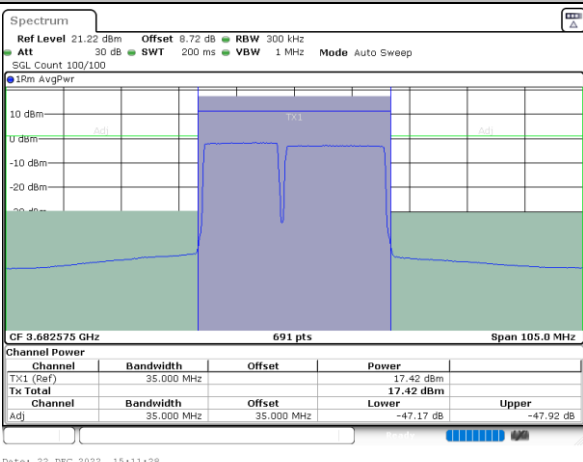
N/A



Date: 22, DEC, 2022 15:05:21

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 15:11:28

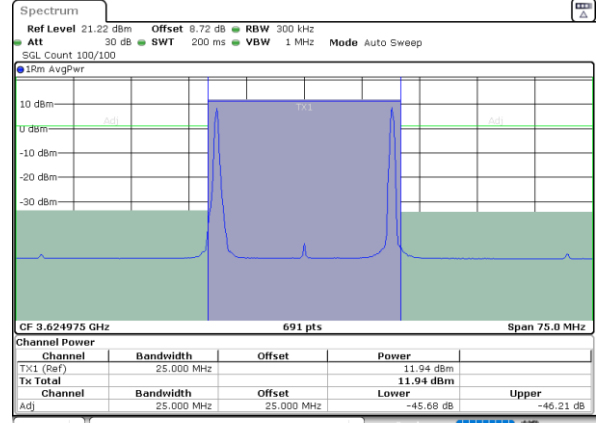
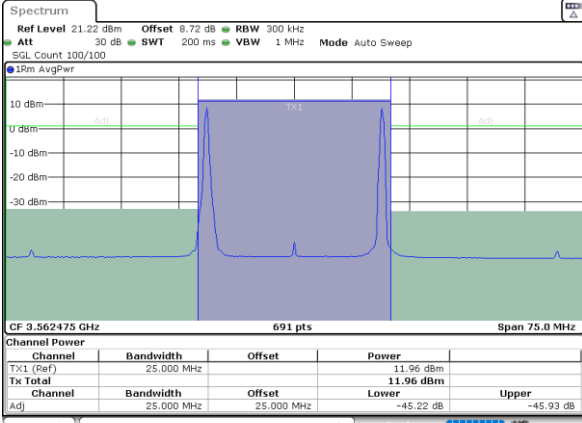


LTE Band 48C/ 20MHz+5MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB24

Middle Band Edge / 1RB0 and 1RB24

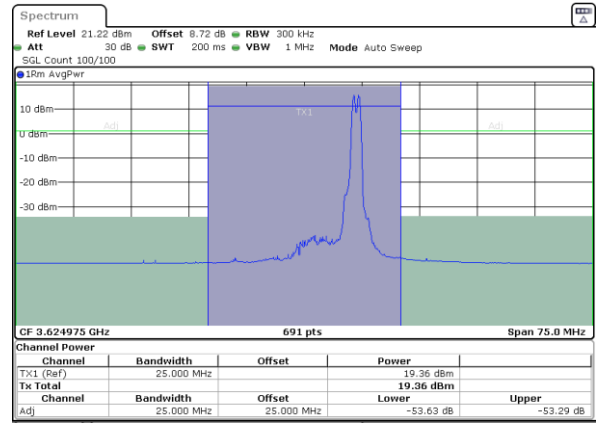
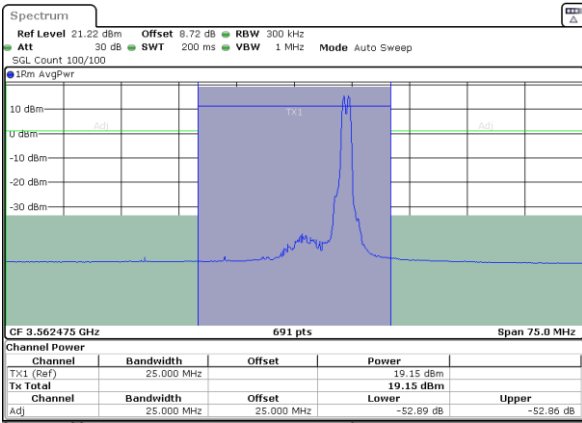


Date: 22, DEC, 2022 15:19:29

Date: 22, DEC, 2022 15:19:41

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

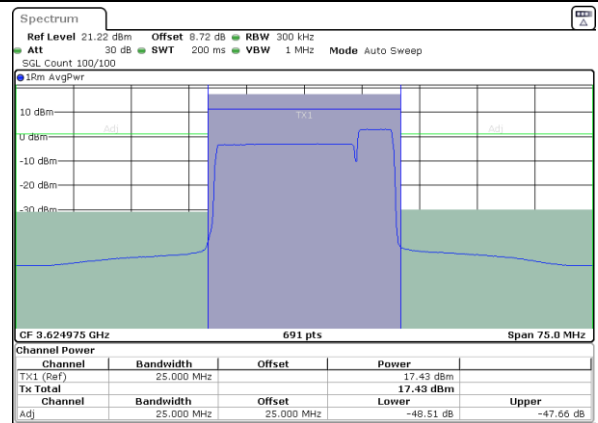
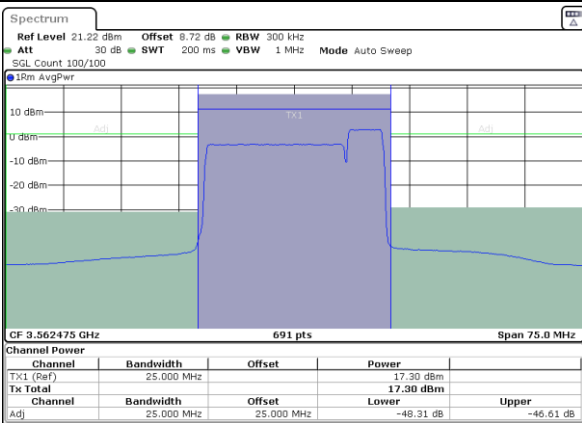


Date: 22, DEC, 2022 15:22:33

Date: 22, DEC, 2022 15:42:45

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 22, DEC, 2022 15:16:24

Date: 22, DEC, 2022 15:36:38

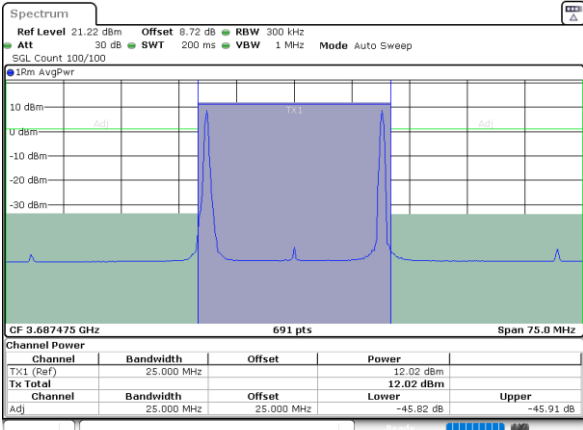


LTE Band 48C / 20MHz+5MHz

16QAM

Highest Band Edge / 1RB0 and 1RB24

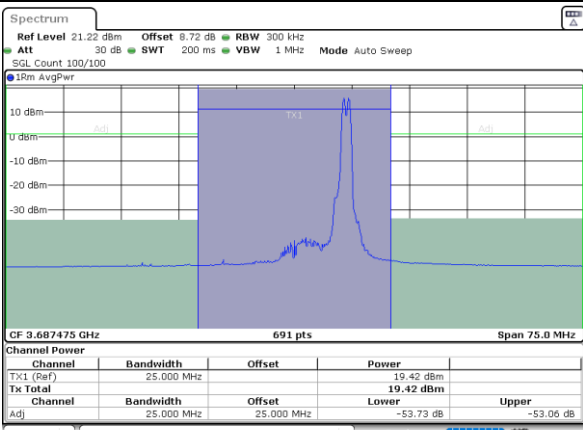
N/A



Date: 22, DEC, 2022 15:48:59

Highest Band Edge / 1RB99 and 1RB0

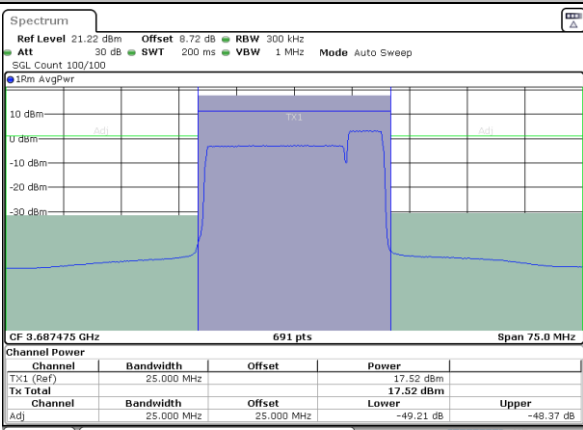
N/A



Date: 22, DEC, 2022 15:52:02

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 15:49:55

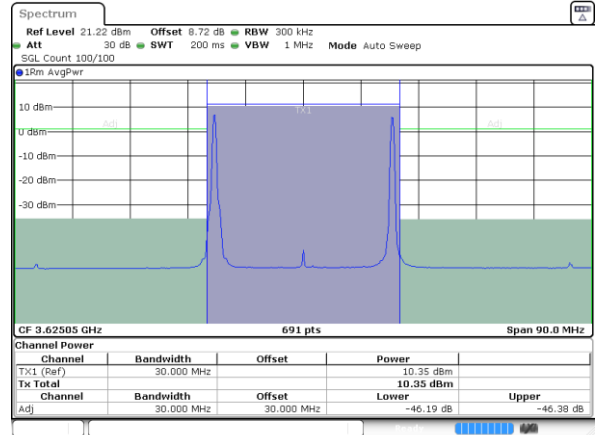
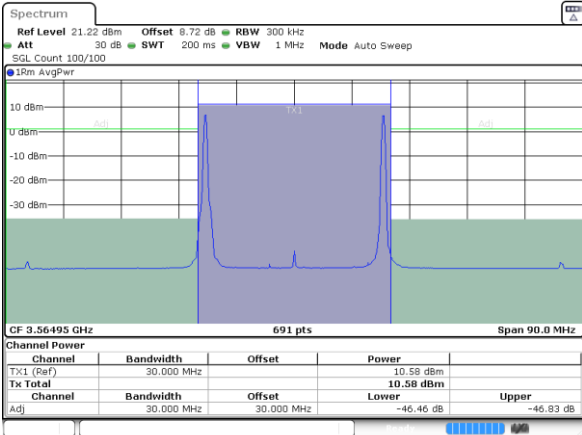


LTE Band 48C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

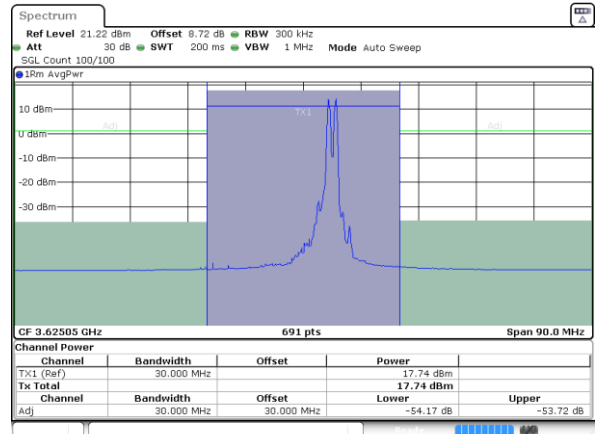
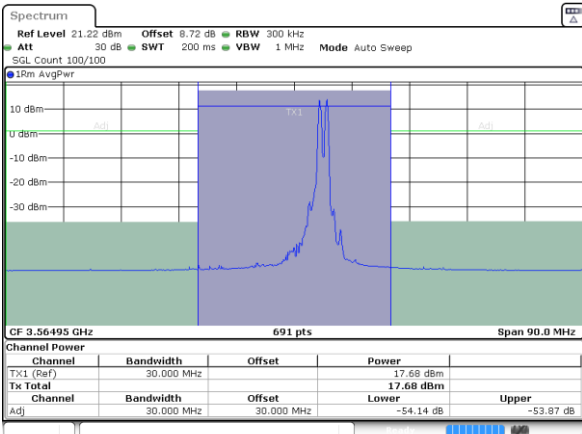


Date: 21 DEC 2022 10:35:05

Date: 21 DEC 2022 12:09:00

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

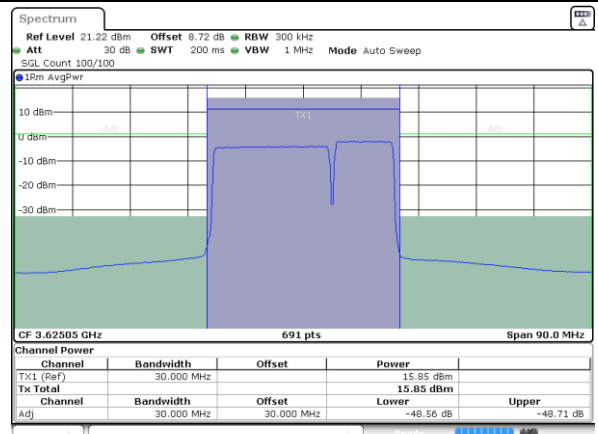
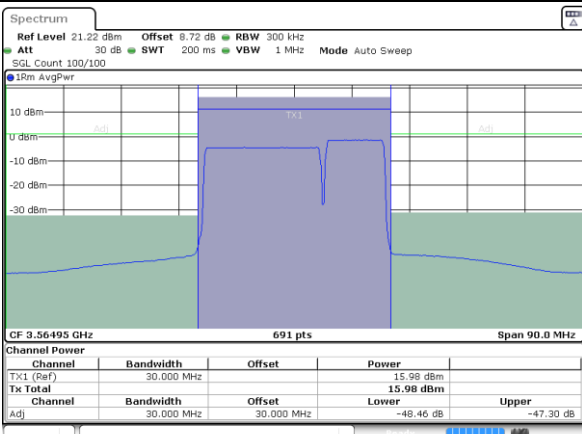


Date: 21 DEC 2022 11:58:12

Date: 21 DEC 2022 12:11:38

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 21 DEC 2022 10:30:04

Date: 21 DEC 2022 12:02:30

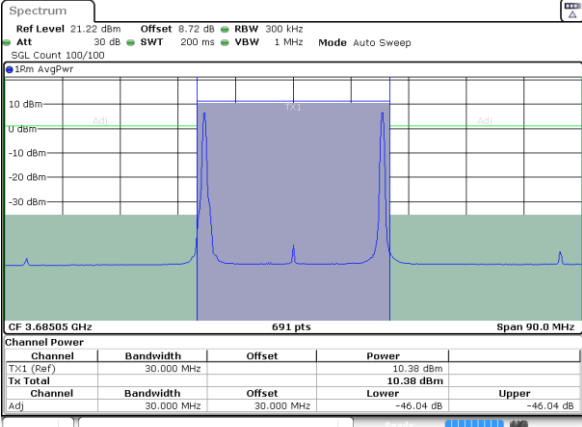


LTE Band 48C / 20MHz+10MHz

16QAM

Highest Band Edge / 1RB0 and 1RB49

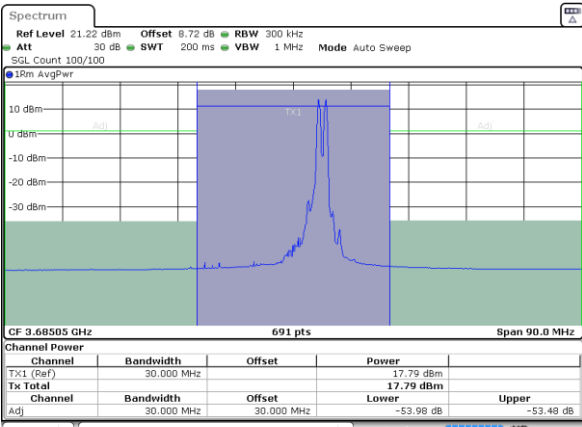
N/A



Date: 21 DEC 2022 12:21:18

Highest Band Edge / 1RB99 and 1RB0

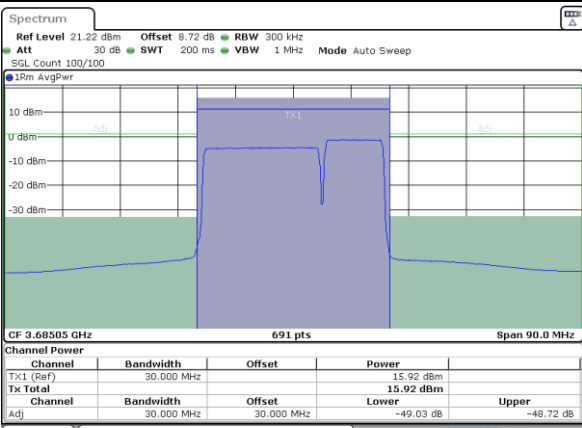
N/A



Date: 21 DEC 2022 12:25:57

Highest Band Edge / Full RB

N/A



Date: 21 DEC 2022 12:15:58

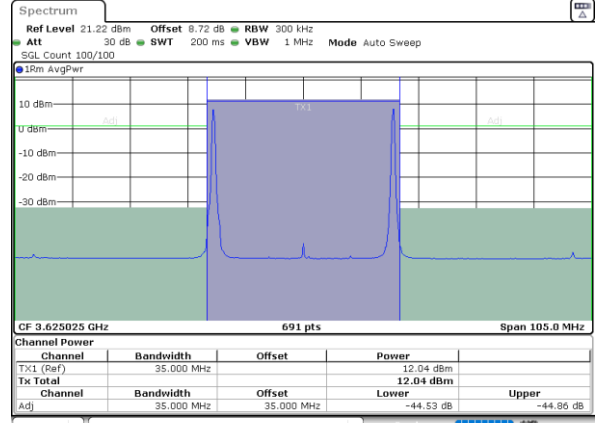
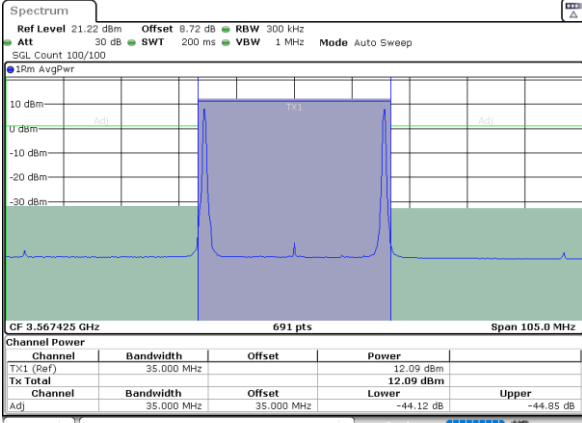


LTE Band 48C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74

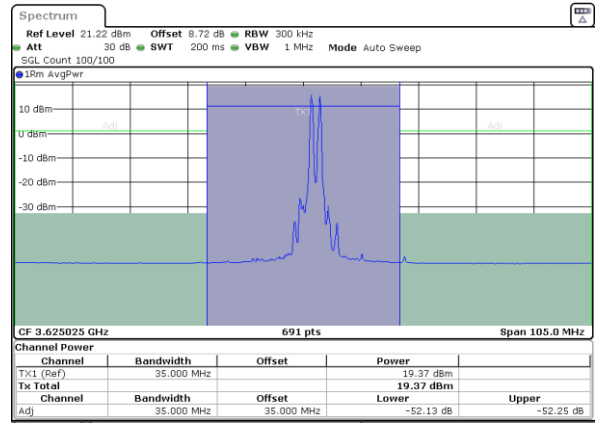
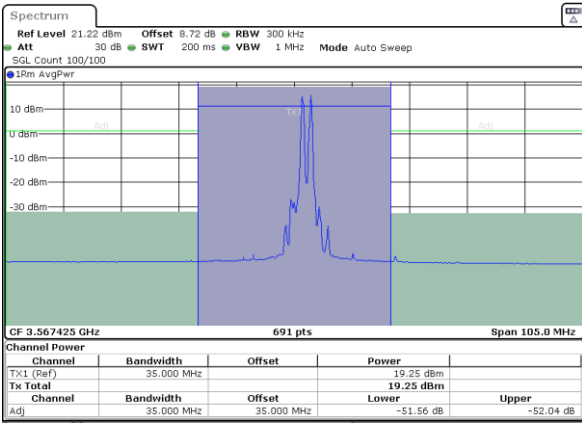


Date: 22, DEC, 2022 16:02:10

Date: 22, DEC, 2022 16:11:53

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

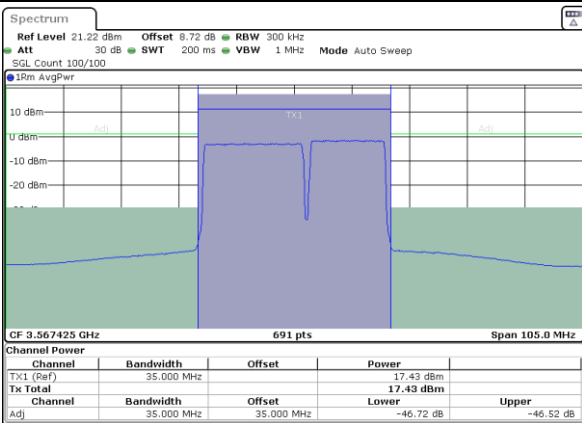


Date: 22, DEC, 2022 16:05:13

Date: 22, DEC, 2022 16:14:57

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 22, DEC, 2022 15:59:06

Date: 22, DEC, 2022 16:08:49

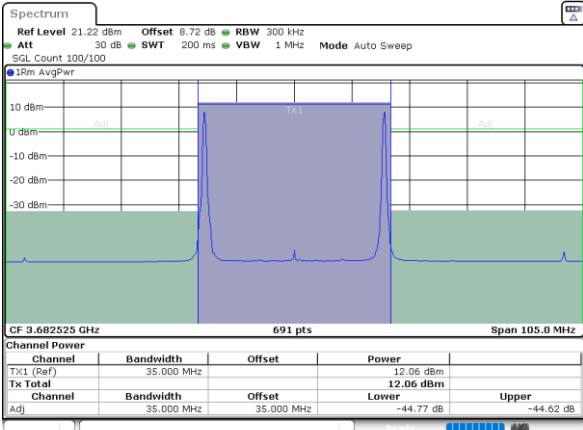


LTE Band 48C / 20MHz+15MHz

16QAM

Highest Band Edge / 1RB0 and 1RB74

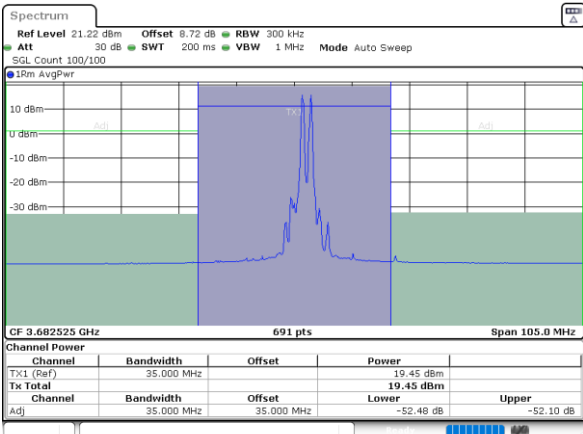
N/A



Date: 22, DEC, 2022 16:21:32

Highest Band Edge / 1RB99 and 1RB0

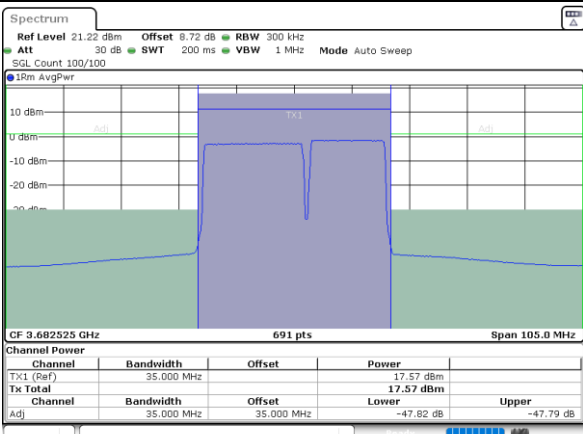
N/A



Date: 22, DEC, 2022 16:24:35

Highest Band Edge / Full RB

N/A



Date: 22, DEC, 2022 16:18:29

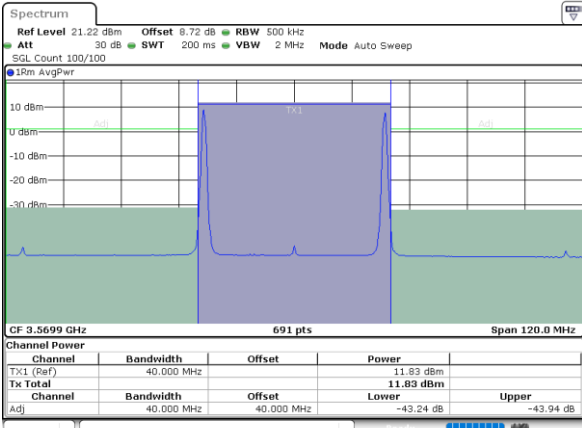


LTE Band 48C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB99

Middle Band Edge / 1RB0 and 1RB99

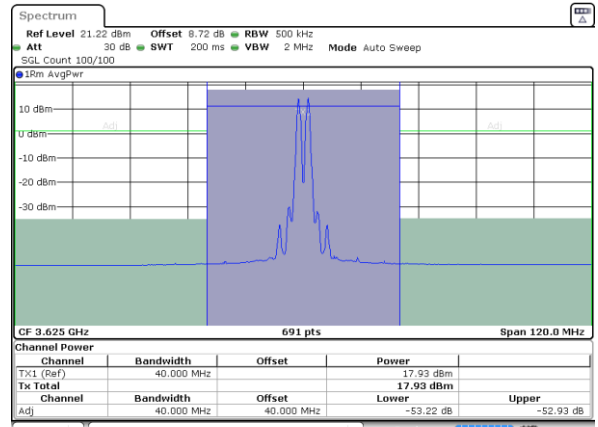
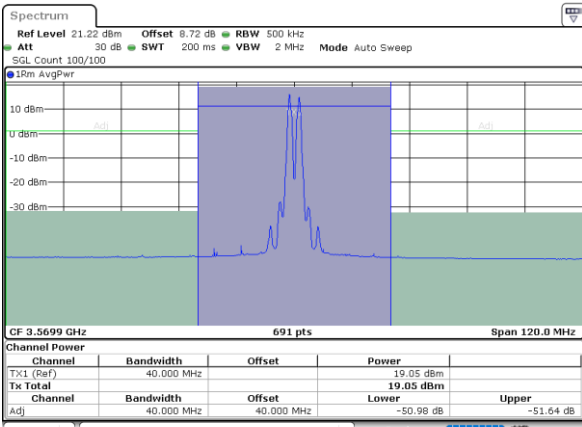


Date: 21. DEC. 2022 03:14:35

Date: 21 DEC 2022 07:40:06

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

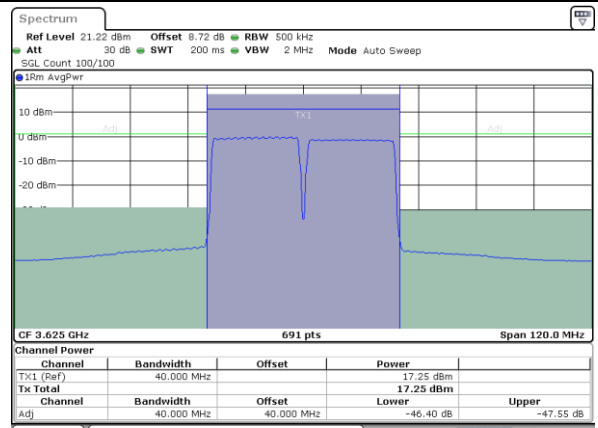
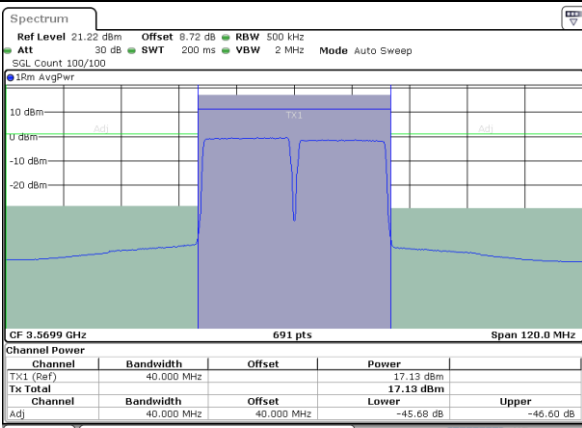


Date: 21. DEC. 2022 03:26:21

Date: 21 DEC 2022 07:48:02

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 21. DEC. 2022 03:35:29

Date: 21. DEC. 2022 04:13:39

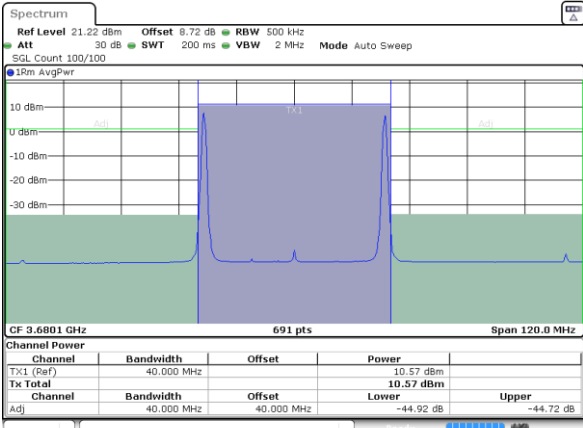


LTE Band 48C / 20MHz+20MHz

16QAM

Highest Band Edge / 1RB0 and 1RB99

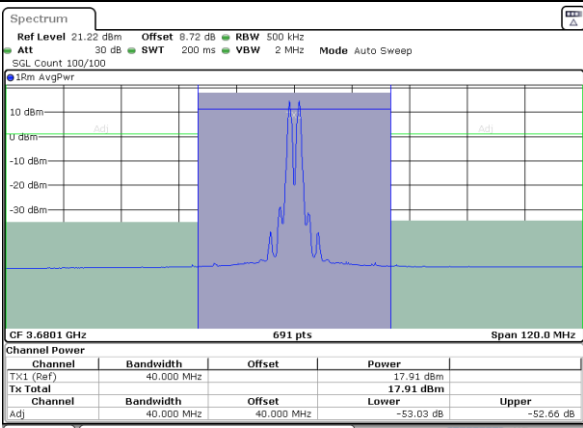
N/A



Date: 21 DEC 2022 07:58:17

Highest Band Edge / 1RB99 and 1RB0

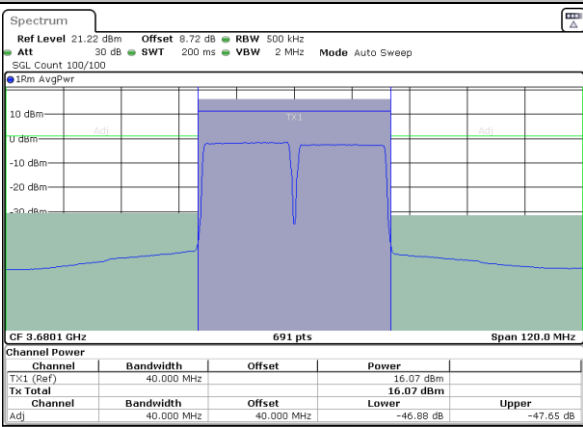
N/A



Date: 21 DEC 2022 08:03:41

Highest Band Edge / Full RB

N/A



Date: 21 DEC 2022 07:53:32