

FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2205-1, XT2205-2
FCC ID : IHDT56AE7
STANDARD : 47 CFR Part 2, 96
CLASSIFICATION : Citizens Band End User Devices (CBE)
EQUIPMENT TYPE : End User Equipment
TEST DATE(S) : Apr. 25, 2022 ~ May 19, 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.

This report contains data that were produced under subcontract by Sporton International Inc. (ShenZhen).

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)

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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 Maximum EIRP Power and Emission Designator	6
1.5 Specification of Accessory	7
1.6 Testing Site.....	7
1.7 Test Software	7
1.8 Applied Standards	8
2 Test Configuration of Equipment Under Test	9
2.1 Test Mode.....	9
2.2 Connection Diagram of Test System	11
2.3 Support Unit used in test configuration	11
2.4 Measurement Results Explanation Example	11
2.5 Frequency List of Low/Middle/High Channels.....	12
3 Conducted Test Items.....	14
3.1 Measuring Instruments.....	14
3.2 Conducted Output Power	15
3.3 EIRP and PSD.....	16
3.4 Occupied Bandwidth	17
3.5 Conducted Band Edge	18
3.6 Conducted Spurious Emission	19
3.7 Frequency Stability.....	20
4 Radiated Test Items	21
4.1 Measuring Instruments.....	21
4.2 Test Setup	21
4.3 Test Result of Radiated Test.....	22
4.4 Radiated Spurious Emission	23
5 List of Measuring Equipment.....	24
6 Uncertainty of Evaluation	25
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
FG240834G	01	Initial issue of report	Jun. 06, 2022

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 12.11 dB at 10709.700 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	XT2205-1, XT2205-2
FCC ID	IHDT56AE7
Tx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Rx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Antenna Type/Gain	<Ant. 3>: ILA Antenna -6.0 dBi <Ant. 4>: PIFA Antenna -5.8 dBi <Ant. 5>: ILA Antenna -10.0 dBi <Ant. 8>: PIFA Antenna -7.0 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
IMEI Code	Conducted: 357910940017709 Radiation: 357910940014326
HW Version	DVT2
SW Version	S2ST32.48
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. The two models XT2205-1 and XT2205-2 are only for market differentiation, all the others are the same.
3. The maximum EIRP of Antenna 3 is shown in the report.

1.4 Maximum EIRP Power and Emission Designator

LTE Band 48		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	3552.5~3697.5	0.0476	4M48G7D	0.0382	4M51W7D
10	3555~3695	0.0474	9M07G7D	0.0365	9M03W7D
15	3557.5~3692.5	0.0440	13M4G7D	0.0362	13M4W7D
20	3560~3690	0.0442	18M4G7D	0.0360	18M5W7D

LTE Band 48C_CA		QPSK		16QAM/64QAM/256QAM	
BW (MHz) Frequency (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz (3553.3 ~ 3690 MHz)		0.0314	23M5G7D	0.0268	23M3W7D
10MHz +20MHz (3555.5 ~ 3690 MHz)		0.0314	27M9G7D	0.0260	28M1W7D
15MHz +20MHz (3557.8 ~ 3690 MHz)		0.0262	32M8G7D	0.0200	32M9W7D
20MHz+5MHz (3560 ~ 3696.7 MHz)		0.0263	23M5G7D	0.0218	23M5W7D
20MHz+10MHz (3560 ~ 3694.5 MHz)		0.0299	28M1G7D	0.0245	28M2W7D
20MHz+15MHz (3560 ~ 3692.2 MHz)		0.0261	33M1G7D	0.0218	32M8W7D
20MHz+20MHz (3560 ~ 3690 MHz)		0.0264	37M8G7D	0.0214	37M4W7D

LTE Band 48B_CA		QPSK		16QAM/64QAM/256QAM	
BW (MHz) Frequency (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10MHz+10MHz (3555 ~ 3695 MHz)		0.0310	18M8G7D	0.0260	18M9W7D

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

1.5 Specification of Accessory

Specification of Accessory				
AC Adapter 1	Brand Name	Motorola(Salom)	Model Name	MC-301
AC Adapter 2	Brand Name	Motorola(Acbel)	Model Name	MC-301
Battery	Brand Name	Motorola(ATL)	Model Name	NF50
USB Cable 1	Brand Name	Motorola(Saibao)	Model Name	SC18D13215
USB Cable 2	Brand Name	Motorola(Cabletech)	Model Name	SC18D13216
USB Cable 3	Brand Name	Motorola(Luxshare)	Model Name	SC18D13217

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.
	TH01-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	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH01-SZ	CN1256	421272

Test data subcontracted: radiation test items in section 4.4 of this report.

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24



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
- ♦ ANSI / TIA-603-E
- ♦ 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.

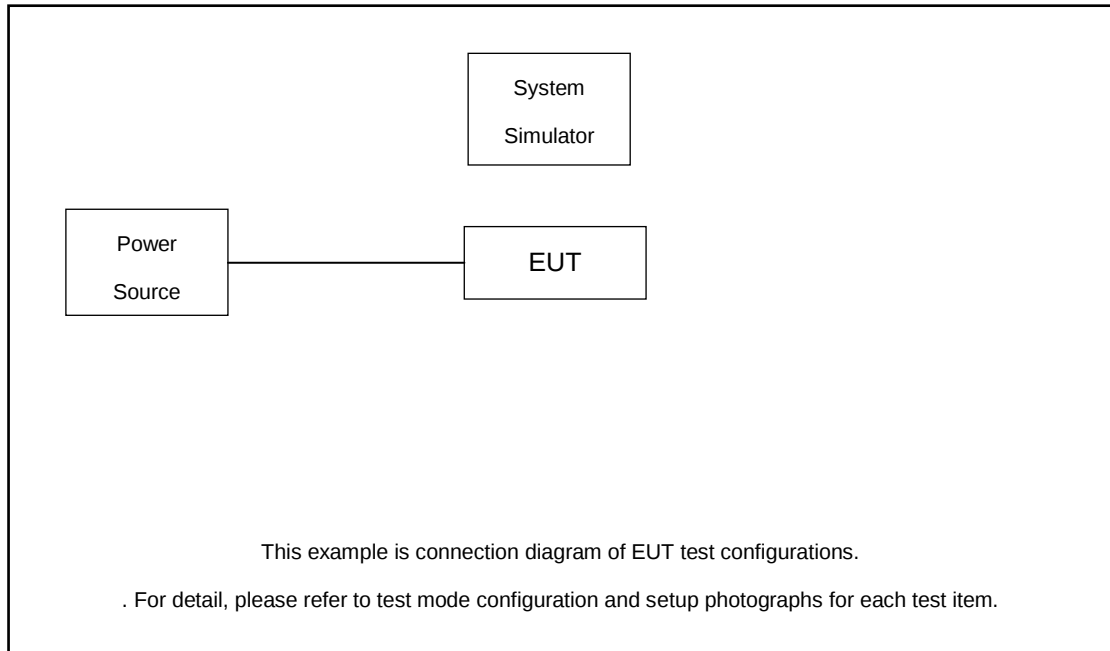
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases(Y,Z plane) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	48	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Adjacent Channel Leakage Ratio	48	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	48	-	-	v	v	v	v	v	v		-			v		v	
Conducted Band Edge	48	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Conducted Spurious Emission	48	-	-	v	v	v	v	v			-	v			v	v	v
E.R.P / E.I.R.P	48	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Frequency Stability	48	-	-				v	v			-	v				v	
Radiated Spurious Emission	48	Worst Case													v	v	v



Test Items	Band	Bandwidth (MHz)								Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	10+10	20+5	5+20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	48C	v	v	v	v	v		v	v	v	v	v	v	v		v	v	v	v
	48B	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	48C	v	v	v	v	v		v	v	v	v					v		v	
	48B	-	-	-	-	-	v	-	-	v	v					v		v	
Conducted Band Edge	48C	v	v	v	v	v		v	v	v	v	v	v	v		v	v	v	v
	48B	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
Conducted Spurious Emission	48C	v	v	v	v	v		v	v	v				v			v	v	v
	48B	-	-	-	-	-	v	-	-	v				v			v	v	v
Adjacent Channel Leakage Ratio	48C	v	v	v	v	v		v	v	v	v	v	v	v		v	v	v	v
	48B	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
E.R.P / E.I.R.P	48C	v	v	v	v	v		v	v	v	v	v	v	v		v	v	v	v
	48B	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	48C	Worst Case															v	v	v
	48B	Worst Case															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.	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.																	
	4.	Frequency stability only shows the worst case of LTE Band 48.																	
	5.	All test items are based on engineering evaluation.																	
	6.	All the radiated test cases were performed with Adapter 1, Battery 1 and USB Cable 1.																	

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.	Base Station	Anritsu	MT8820C	Fcc DoC	N/A	Shielded, 1.5m

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 6.8 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 6.8 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

LTE Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	55340	55990	56640
	Frequency	3560.0	3625.0	3690.0
15	Channel	55315	55990	56665
	Frequency	3557.5	3625.0	3692.5
10	Channel	55290	55990	56690
	Frequency	3555.0	3625.0	3695.0
5	Channel	55265	55990	56715
	Frequency	3552.5	3625.0	3697.5

LTE Band 48B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 10	PCC	Channel	55290	56165	56591
		Frequency	3555	3642.5	3685.1
	SCC	Channel	55389	56264	56690
		Frequency	3564.9	3652.4	3695

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

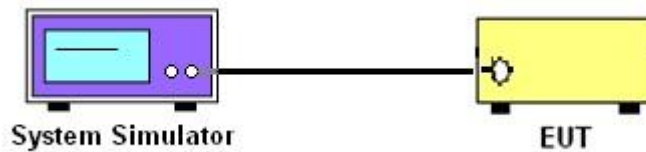
3 Conducted Test Items

3.1 Measuring Instruments

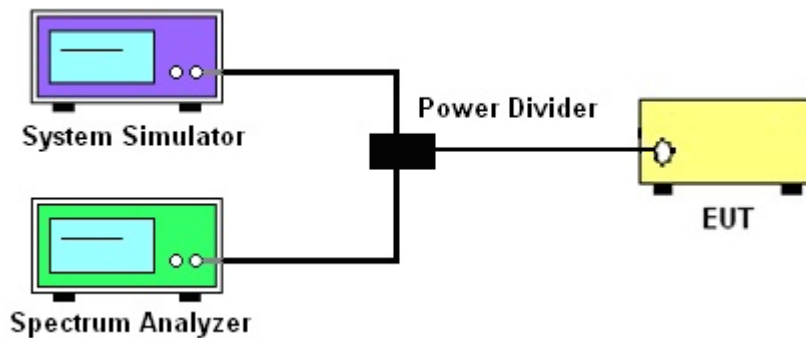
See list of measuring instruments of this test report.

3.1.1 Test Setup

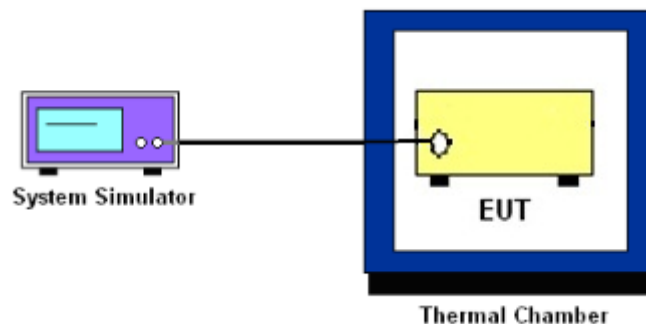
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power

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 and PSD

3.3.1 Description of the EIRP and PSD Measurement

EIRP and PSD limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
Applied	End User Device	23	n/a
☐	Category A CBSD	30	20
☐	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) (i)

For CBSD the emission limits outside the fundamental are as follows:

Within 0 MHz to 10 MHz above and below the assigned channel ≤ -13 dBm/MHz

Greater than 10 MHz above and below the assigned channel ≤ -25 dBm/MHz

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.

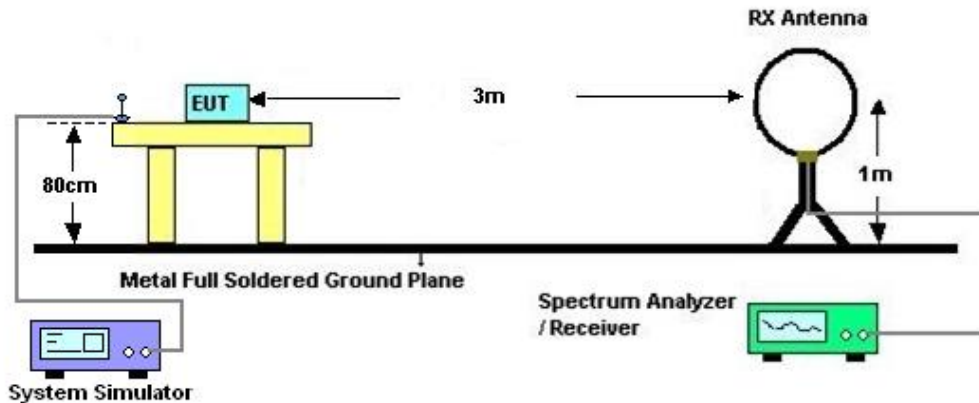
4 Radiated Test Items

4.1 Measuring Instruments

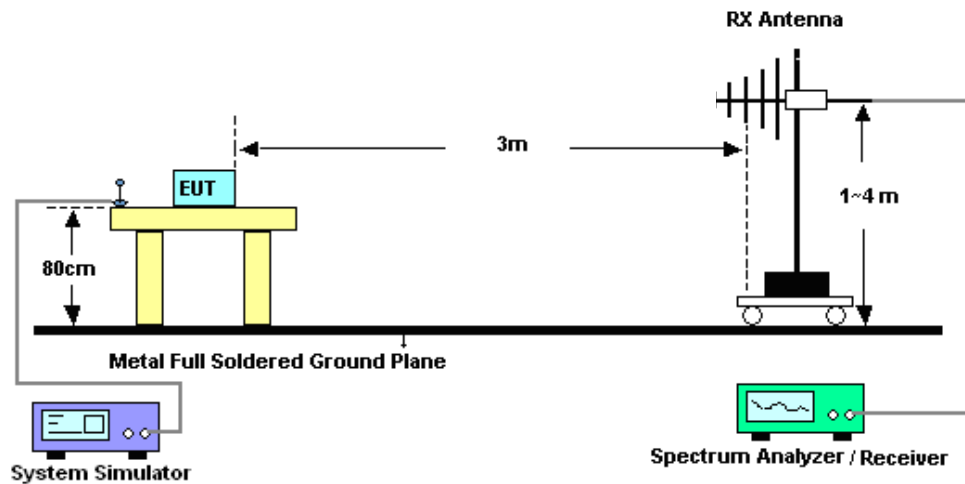
See list of measuring instruments of this test report.

4.2 Test Setup

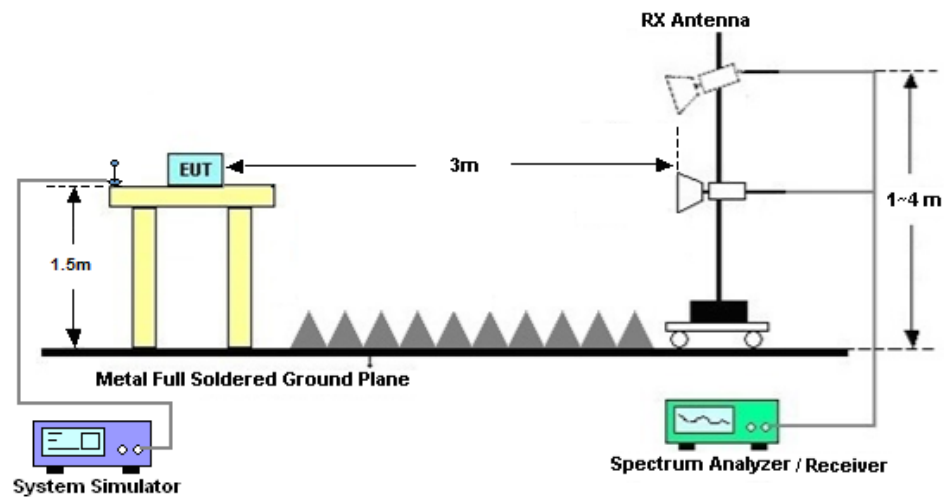
4.2.1 For radiated test below 30MHz



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 / TIA-603-E.

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.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
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. 14, 2021	Apr. 25, 2022~ May 19, 2022	Oct. 13, 2022	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2021	Apr. 25, 2022~ May 19, 2022	Aug. 25, 2022	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 12, 2021	Apr. 25, 2022~ May 19, 2022	Jul. 11, 2022	Conducted (TH01-KS)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 27, 2021	May 10, 2022~ May 13, 2022	Dec. 26, 2022	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	May 10, 2022~ May 13, 2022	Jun. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 22, 2021	May 10, 2022~ May 13, 2022	Oct. 21, 2022	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Sep. 28, 2021	May 10, 2022~ May 13, 2022	Sep. 27, 2022	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 18, 2021	May 10, 2022~ May 13, 2022	Jul. 17, 2022	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Apr. 10, 2022	May 10, 2022~ May 13, 2022	Apr. 09, 2023	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 06, 2022	May 10, 2022~ May 13, 2022	Apr. 05, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	May 10, 2022~ May 13, 2022	Oct. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 13, 2021	May 10, 2022~ May 13, 2022	Jul. 12, 2022	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	May 10, 2022~ May 13, 2022	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 10, 2022~ May 13, 2022	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 10, 2022~ May 13, 2022	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.48dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.53dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.02dB
---	--------

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



Appendix A. Test Results of Conducted Test

Test Engineer :	Lex Wu	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 48:

Mode	LTE Band 48 : EIRP Conducted Power Density (dBm/10MHz)							
BW	5MHz 1RB0				10MHz 1RB0			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	16.78	15.82	14.73	10.77	16.76	15.62	14.53	10.87
Middle CH	16.38	15.51	14.39	11.14	16.30	15.59	14.35	10.99
Highest CH	16.29	15.38	14.55	11.35	16.22	15.27	14.46	11.00
BW	15MHz 1RB0				20MHz1RB0			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	16.43	15.54	14.69	11.05	16.45	15.56	14.49	10.22
Middle CH	16.14	15.59	14.54	10.95	16.33	15.54	14.31	11.18
Highest CH	16.20	15.17	14.49	10.56	16.29	15.24	14.02	10.46
Limit	23dBm /10MHz							
Result	Pass							

Mode	LTE Band 48 : EIRP Conducted Power Density (dBm/10MHz)							
BW	5MHz 1RB Max				10MHz 1RB Max			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	16.39	15.61	14.62	11.19	16.19	15.48	14.22	10.61
Middle CH	16.25	15.47	14.31	11.12	16.12	15.37	14.28	11.42
Highest CH	16.31	15.42	14.45	11.46	16.09	15.31	14.54	11.30
BW	15MHz 1RB Max				20MHz1RB Max			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	16.04	15.30	14.09	10.83	16.05	15.22	14.21	11.00
Middle CH	16.00	15.39	14.33	11.01	16.01	15.35	14.12	10.41
Highest CH	16.09	15.46	14.21	10.43	16.12	15.27	14.27	10.71
Limit	23dBm /10MHz							
Result	Pass							



Mode	LTE Band 48 : EIRP Conducted Power Density (dBm/10MHz)							
BW	5MHz Full RB				10MHz Full RB			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	15.17	14.22	13.09	10.30	14.53	13.42	12.40	9.84
Middle CH	14.94	13.96	12.95	10.43	14.37	13.31	12.49	9.48
Highest CH	14.90	14.00	12.91	10.69	14.31	13.20	12.22	9.83
BW	15MHz Full RB				20MHz Full RB			
Mod.	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
Lowest CH	13.56	12.46	11.47	8.77	12.78	11.61	10.54	7.84
Middle CH	13.49	12.45	11.40	9.05	12.65	11.59	10.63	7.45
Highest CH	13.49	12.36	11.32	8.73	12.64	11.65	10.61	7.88
Limit	23dBm /10MHz							
Result	Pass							



LTE Band 48C:

Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) Full RB											
BW	5MHz+20MHz				10M+20M				15M+20M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	10.81	9.88	9.76	9.88	11.53	10.38	11.73	11.99	8.72	7.55	7.75	7.98
Middle CH	12.13	11.36	11.26	9.87	9.66	8.57	9.01	9.26	8.01	6.80	6.92	8.09
Highest CH	12.25	11.23	11.44	9.82	9.66	8.68	8.74	9.32	7.79	6.89	6.98	8.11
Limit	23dBm /10MHz											
Result	Pass											
Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) Full RB											
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	9.03	7.85	7.76	9.30	8.60	7.85	7.59	7.84	8.72	7.94	7.85	7.30
Middle CH	8.79	7.88	7.92	9.61	8.90	7.37	7.61	7.99	7.90	6.65	6.86	7.41
Highest CH	8.88	7.84	7.91	9.62	8.61	7.79	7.56	8.09	8.91	7.88	8.09	7.43
Limit	23dBm /10MHz											
Result	Pass											
Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) Full RB											
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	6.97	6.04	6.26	7.33								
Middle CH	7.07	6.14	5.85	7.14								
Highest CH	7.16	5.99	6.07	7.26								
Limit	23dBm /10MHz											
Result	Pass											



Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) 1RB MAX 1RB0											
BW	5MHz+20MHz				10MHz+20MHz				15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	14.97	13.85	12.00	11.98	14.58	13.73	11.73	11.99	14.19	12.84	10.85	12.11
Middle CH	14.83	14.16	12.23	11.79	14.78	14.15	12.30	11.85	13.89	12.95	10.75	11.97
Highest CH	14.64	14.28	12.05	12.08	14.97	13.82	11.74	11.75	13.89	13.00	11.10	12.01
Limit	23dBm /10MHz											
Result	Pass											
Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) 1RB MAX 1RB0											
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	13.64	13.38	11.02	11.87	13.88	12.70	10.96	11.82	13.94	12.76	11.25	11.72
Middle CH	14.04	13.19	11.02	12.09	13.71	13.30	11.07	12.03	13.90	13.22	11.85	12.24
Highest CH	14.20	13.25	11.41	12.14	14.75	13.89	11.88	11.97	14.17	13.38	11.36	11.87
Limit	23dBm /10MHz											
Result	Pass											
Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) 1RB MAX 1RB0											
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	13.45	12.76	10.74	11.98								
Middle CH	13.67	12.94	10.95	11.89								
Highest CH	14.21	13.31	10.94	11.94								
Limit	23dBm /10MHz											
Result	Pass											



Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) 1RB0 1RB MAX											
BW	5MHz+20MHz				10MHz+20MHz				15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	2.32	2.86	2.67	4.81	2.93	2.93	2.70	5.55	2.06	2.07	2.01	5.46
Middle CH	4.13	5.03	4.87	4.87	2.67	3.06	2.86	5.42	2.03	2.11	2.04	5.82
Highest CH	4.09	4.72	4.80	4.84	2.65	2.77	2.78	5.56	2.09	2.11	2.05	5.34
Limit	23dBm /10MHz											
Result	Pass											
Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) 1RB0 1RB MAX											
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	1.86	2.06	1.90	5.02	1.68	2.19	1.93	5.18	2.02	2.11	2.16	5.65
Middle CH	1.66	2.10	2.11	5.44	1.62	1.59	2.15	5.83	2.22	2.34	2.14	5.61
Highest CH	1.84	2.06	1.96	5.50	1.69	1.74	2.46	5.21	2.00	2.24	2.09	5.36
15.22	23dBm /10MHz											
Result	Pass											
Mode	LTE Band 48C : EIRP Conducted Power Density (dBm/10MHz) 1RB0 1RB MAX											
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	2.18	2.11	2.24	5.43								
Middle CH	1.79	2.04	2.11	5.76								
Highest CH	1.92	2.06	2.02	5.70								
Limit	23dBm /10MHz											
Result	Pass											



LTE Band 48B:

Mode	LTE Band 48B : EIRP Conducted Power Density (dBm/10MHz) Full RB			
BW	10M+10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Lowest CH	10.57	9.57	9.61	8.44
Middle CH	10.6	9.58	9.61	8.5
Highest CH	10.54	9.61	9.5	8.59
Limit	23dBm /10MHz			
Result	Pass			

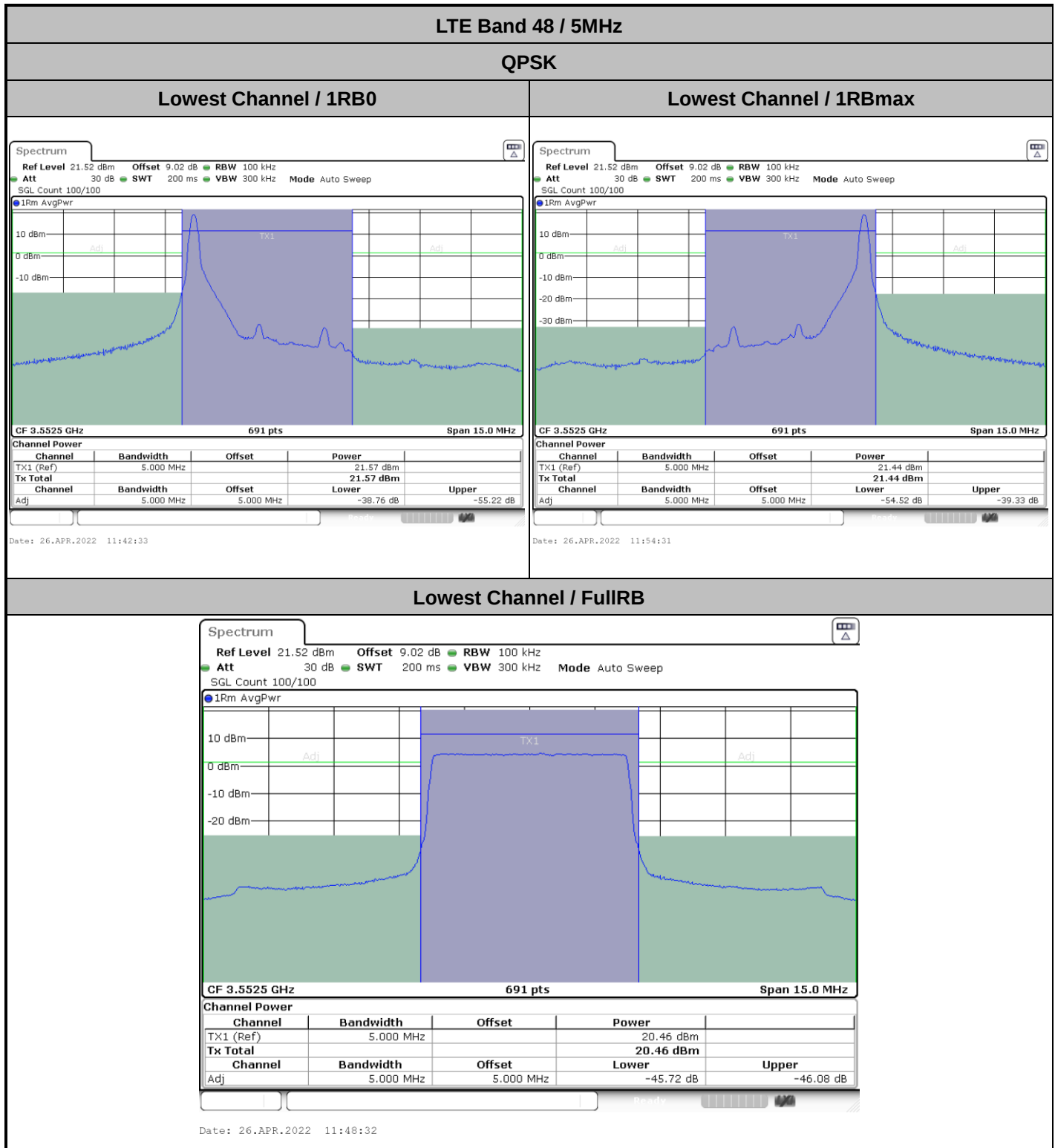
Mode	LTE Band 48B : EIRP Conducted Power Density (dBm/10MHz) 1RB MAX 1RB0			
BW	10M+10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Lowest CH	14.84	14.15	11.98	11.17
Middle CH	14.92	14	12.07	10.81
Highest CH	14.66	14.14	11.9	10.9
Limit	23dBm /10MHz			
Result	Pass			

Mode	LTE Band 48B : EIRP Conducted Power Density (dBm/10MHz) 1RB0 1RB MAX			
BW	10M+10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Lowest CH	4.2	4.36	4.25	5.38
Middle CH	4.28	4.23	4.23	5.41
Highest CH	3.82	4.06	4.13	4.96
Limit	23dBm /10MHz			
Result	Pass			



LTE Band 48

ACLR

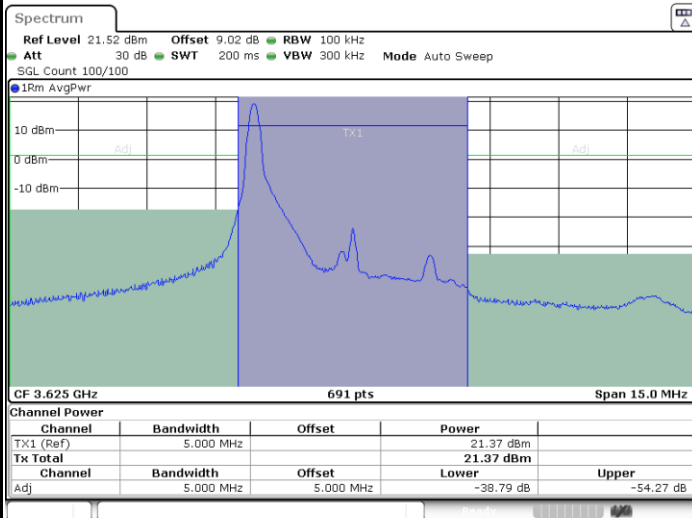




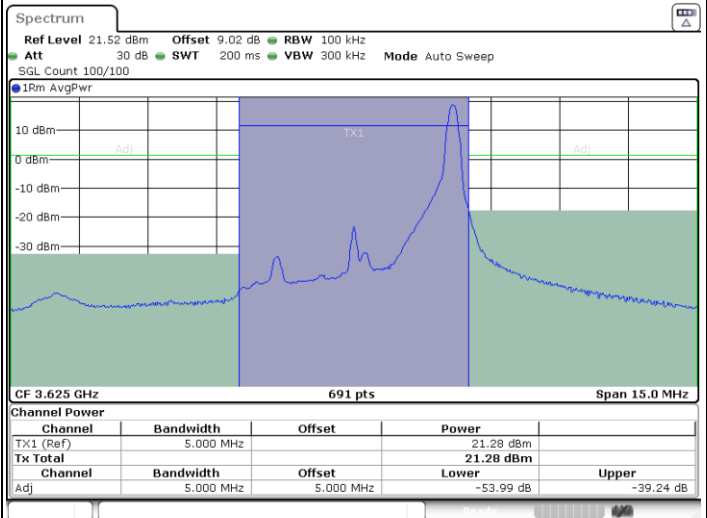
LTE Band 48 / 5MHz

QPSK

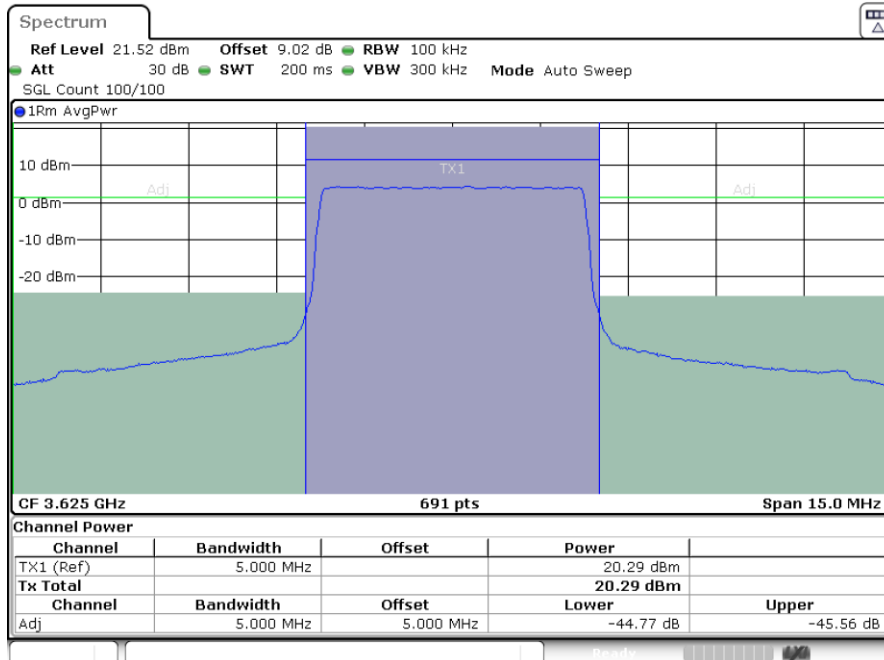
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

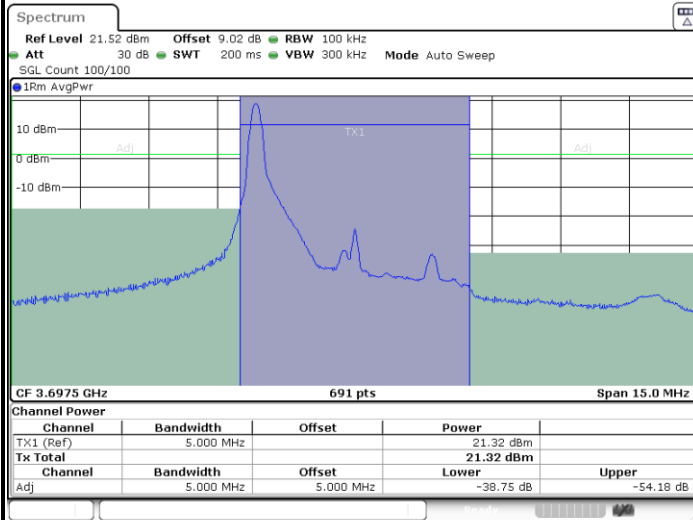




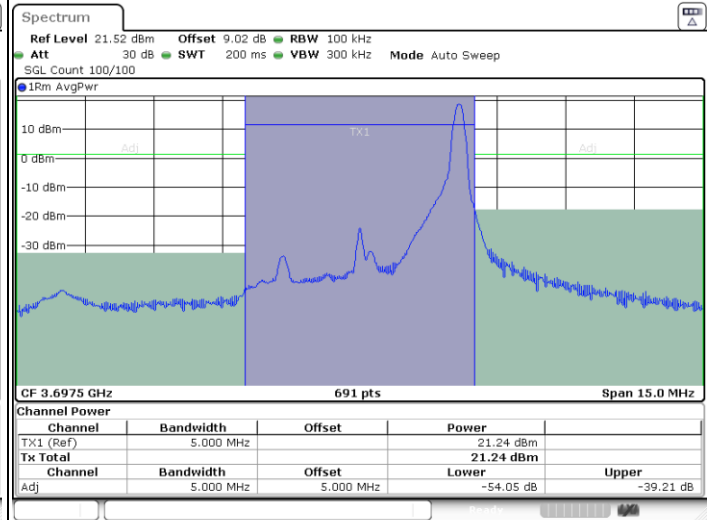
LTE Band 48 / 5MHz

QPSK

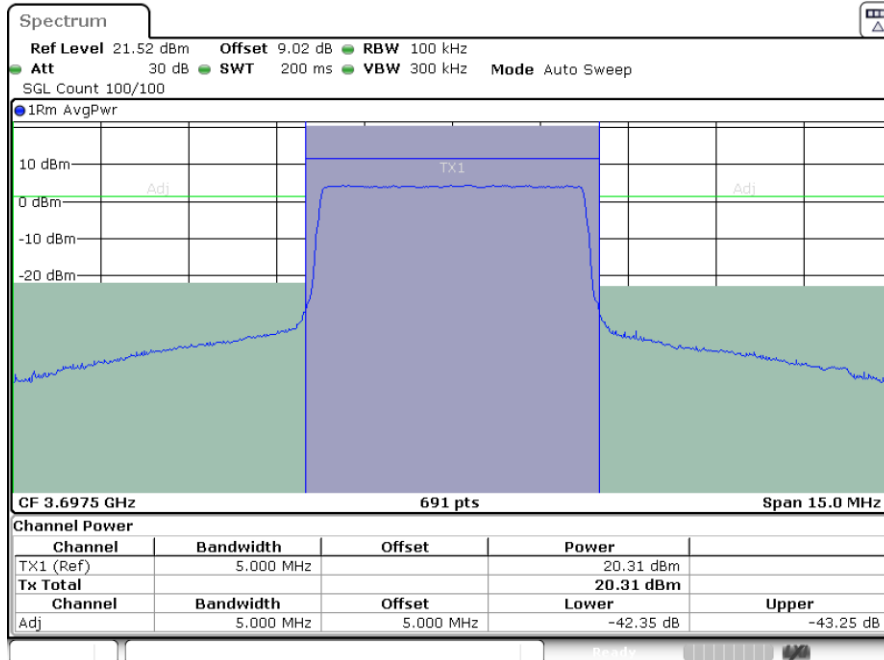
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

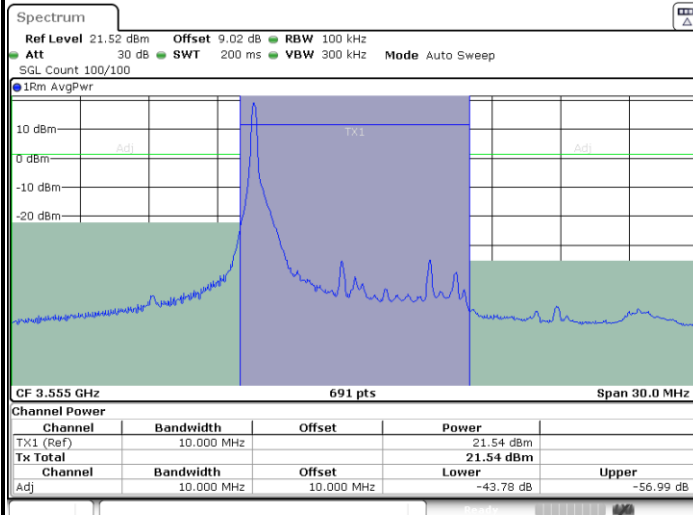




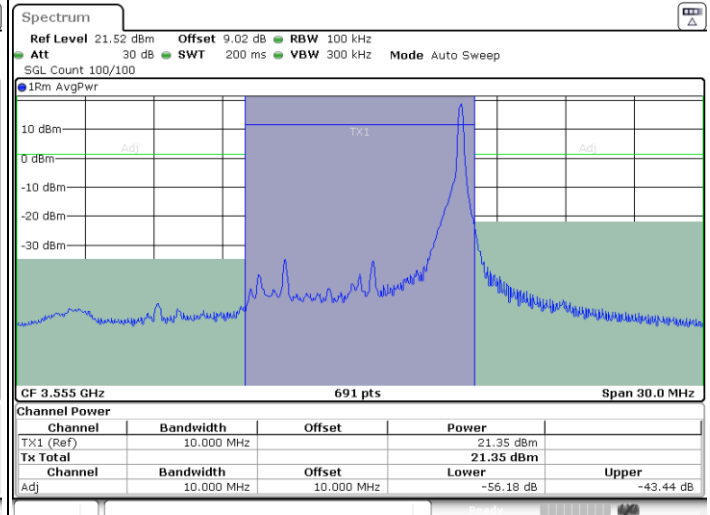
LTE Band 48 / 10MHz

QPSK

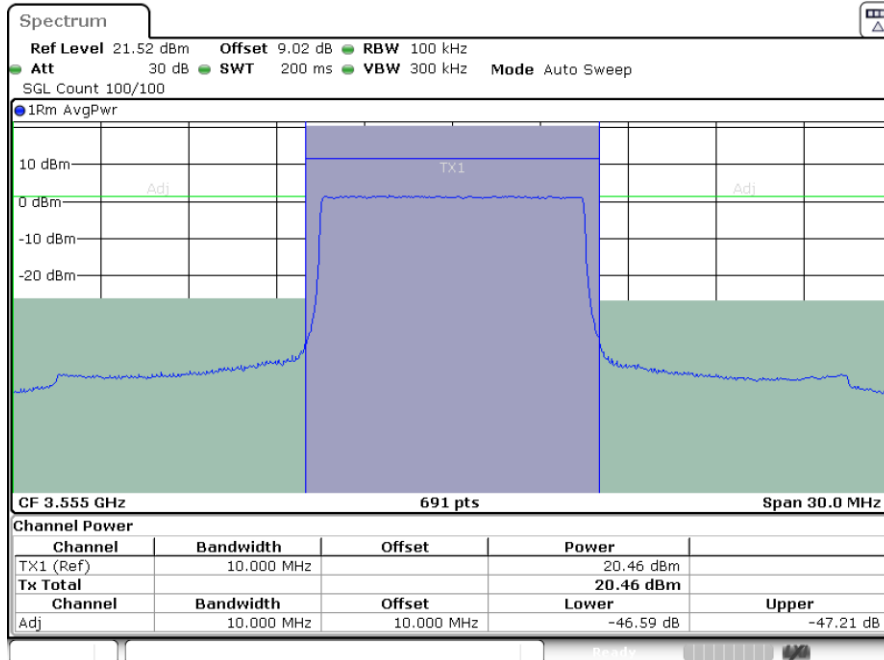
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

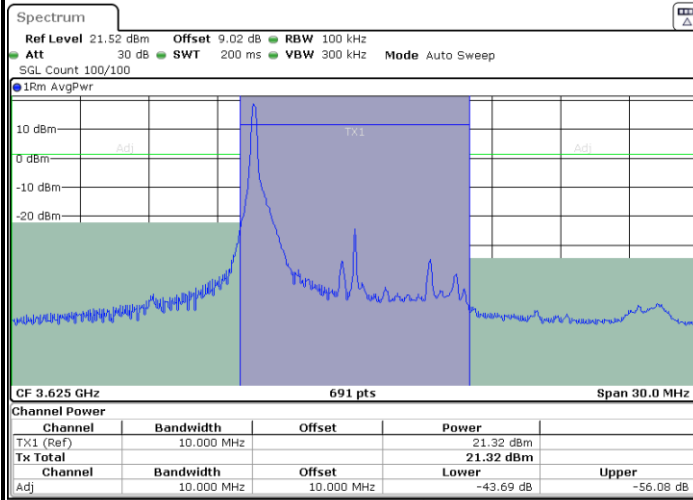




LTE Band 48 / 10MHz

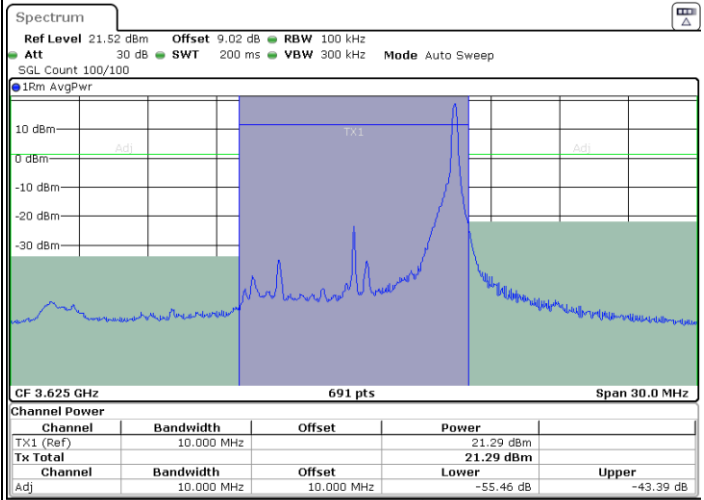
QPSK

MiddleChannel / 1RB0



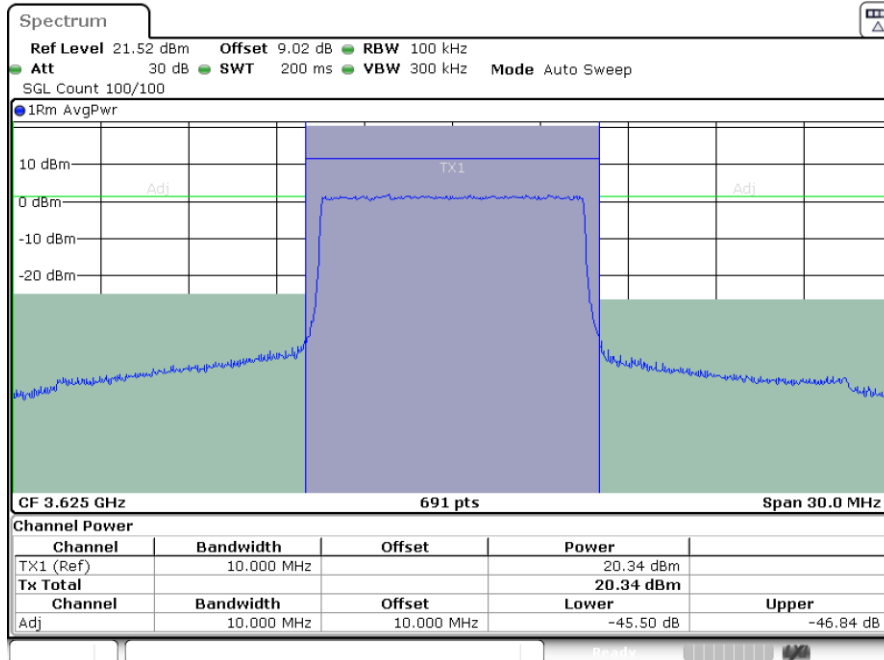
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Middle Channel / 1RBmax



Date: 26.APR.2022 12:14:31

Middle Channel / FullRB



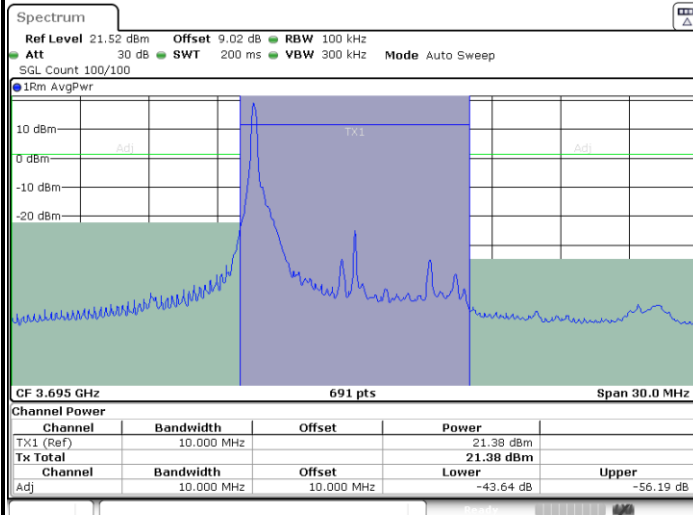
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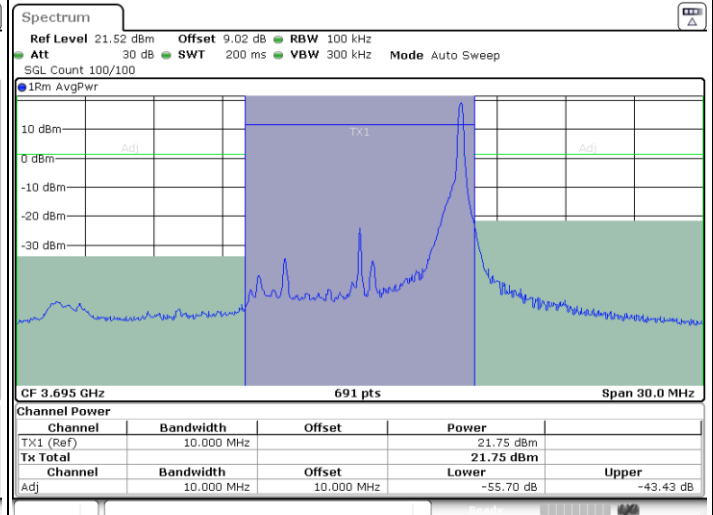
LTE Band 48 / 10MHz

QPSK

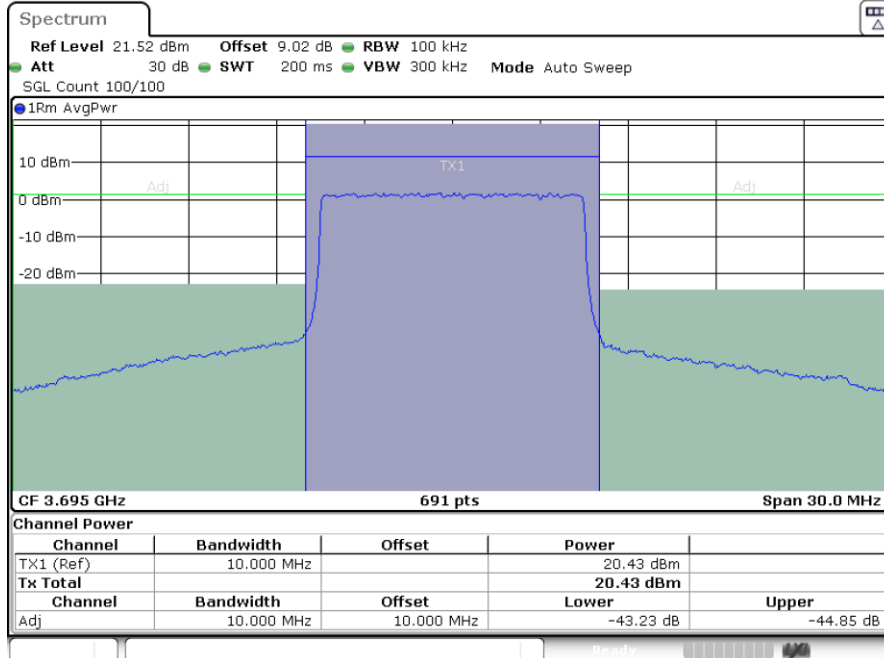
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

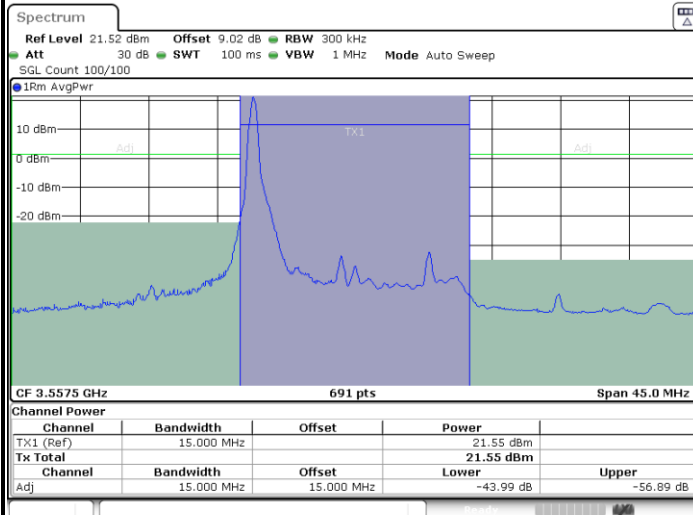




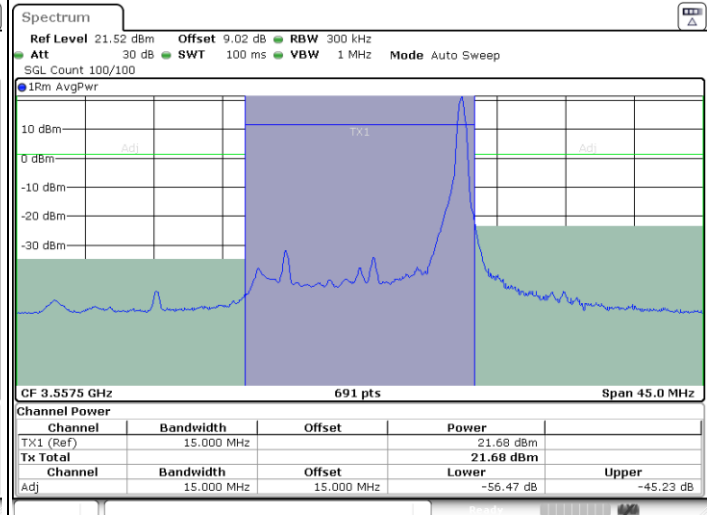
LTE Band 48 / 15MHz

QPSK

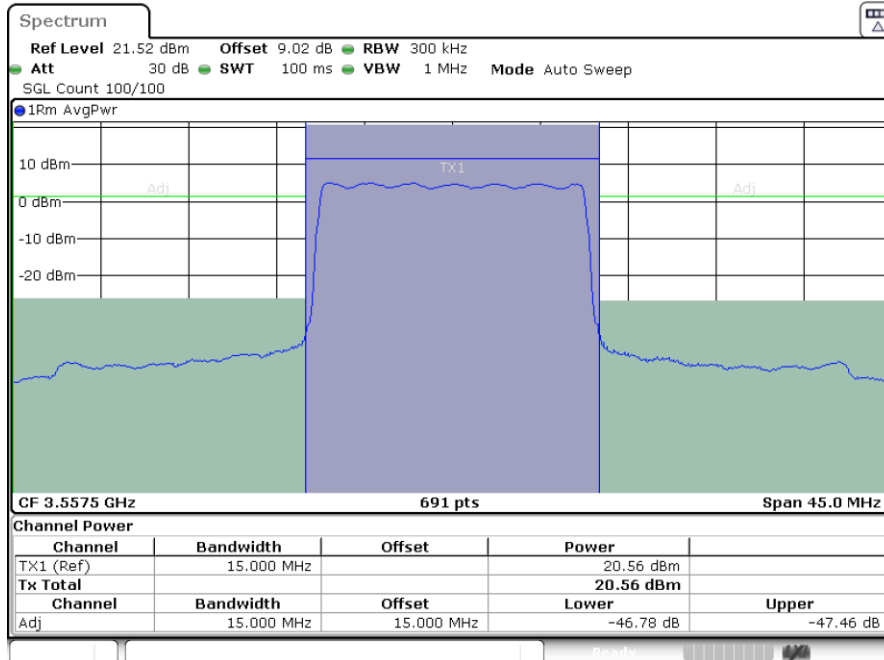
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB

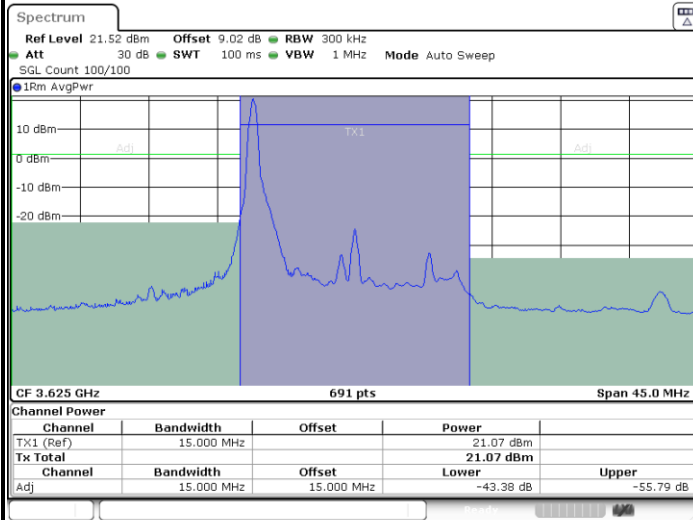




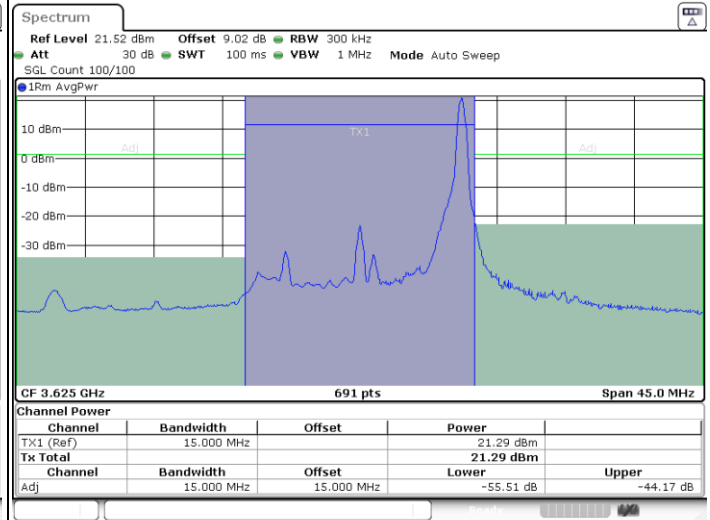
LTE Band 48 / 15MHz

QPSK

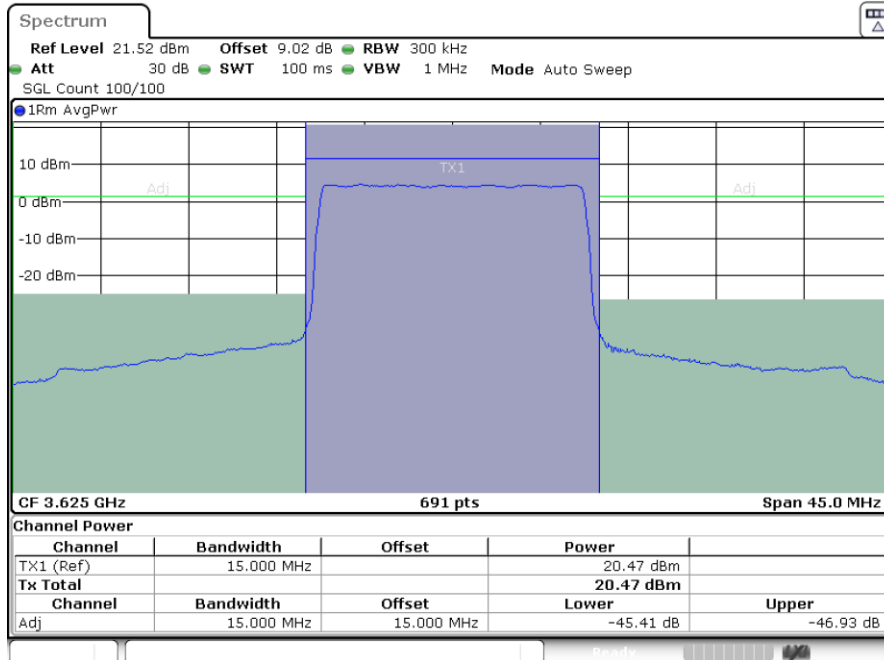
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

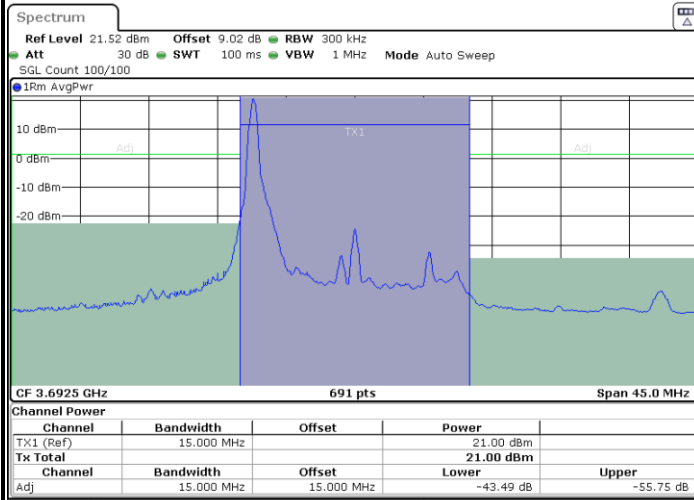




LTE Band 48 / 15MHz

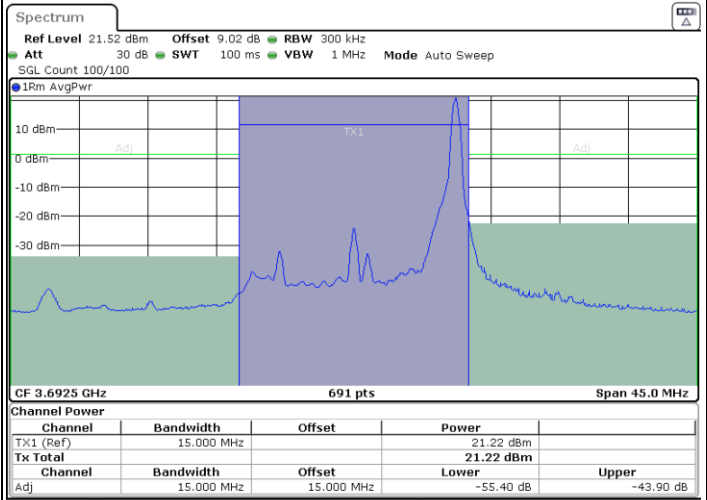
QPSK

Highest Channel / 1RB0



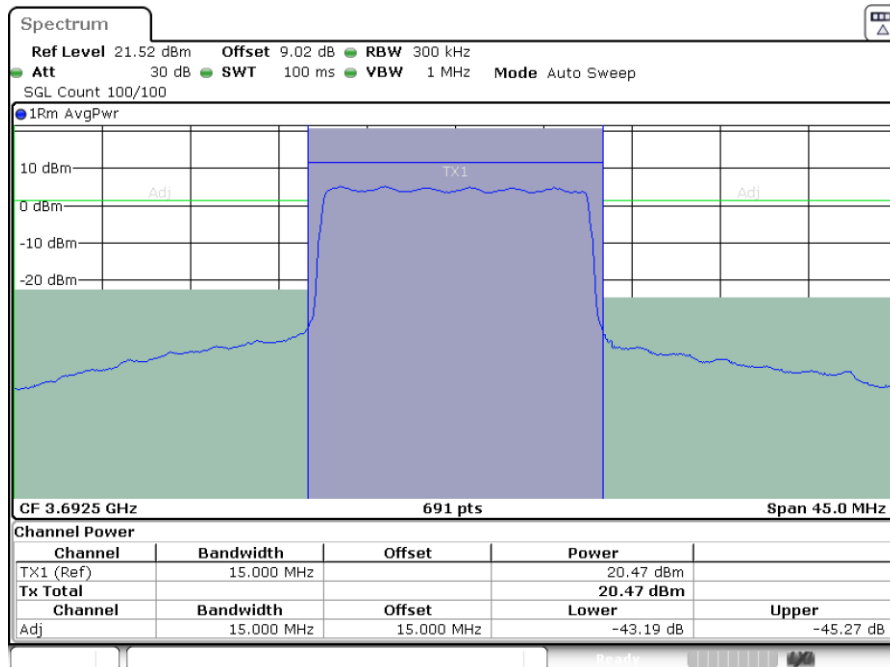
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Highest Channel / 1RBmax



Date: 26.APR.2022 12:33:38

Highest Channel / FullRB



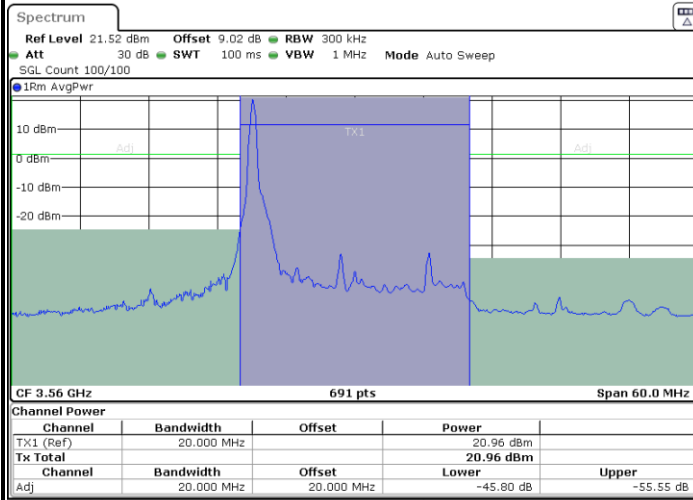
Date: 26.APR.2022 12:27:57



LTE Band 48 / 20MHz

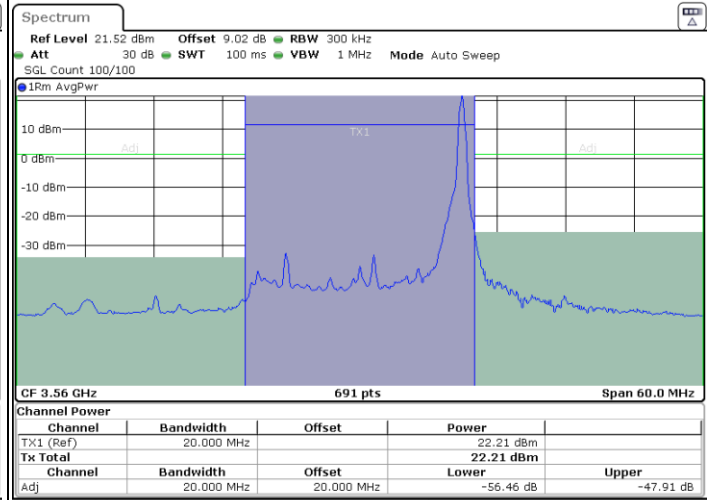
QPSK

Lowest Channel / 1RB0



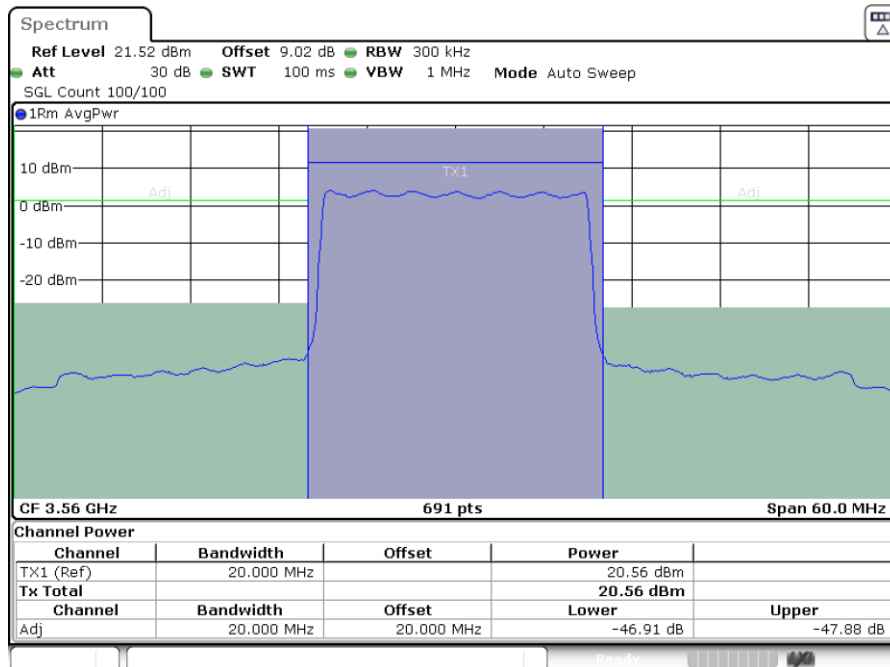
Date: 26.APR.2022 12:42:29

Lowest Channel / 1RBmax



Date: 26.APR.2022 12:48:10

Lowest Channel / FullRB



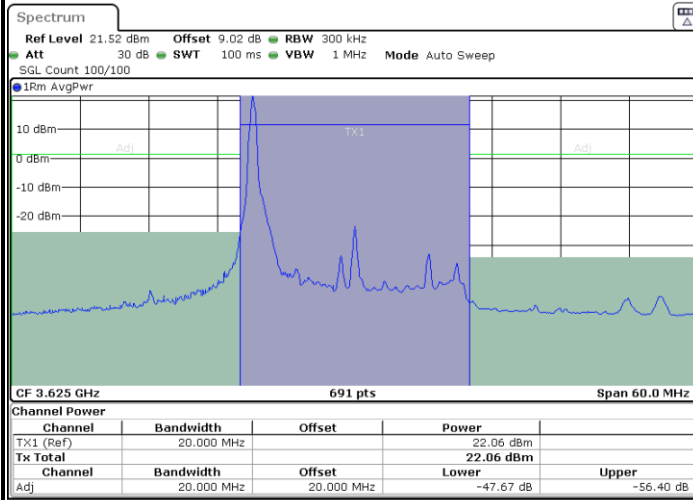
Date: 26.APR.2022 12:36:49



LTE Band 48 / 20MHz

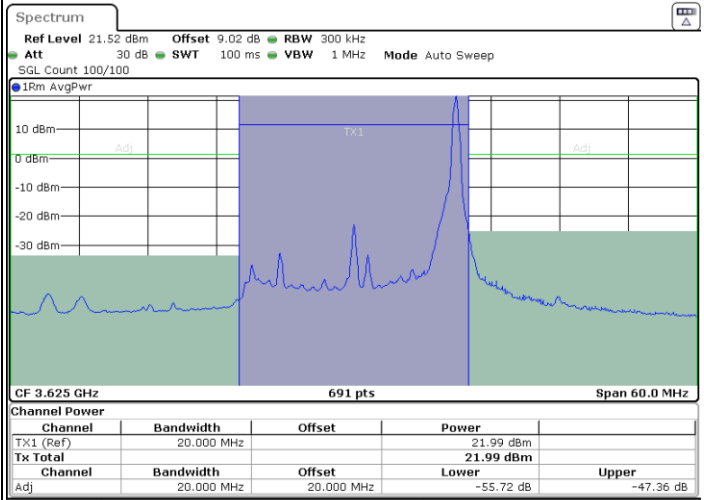
QPSK

Middle Channel / 1RB0



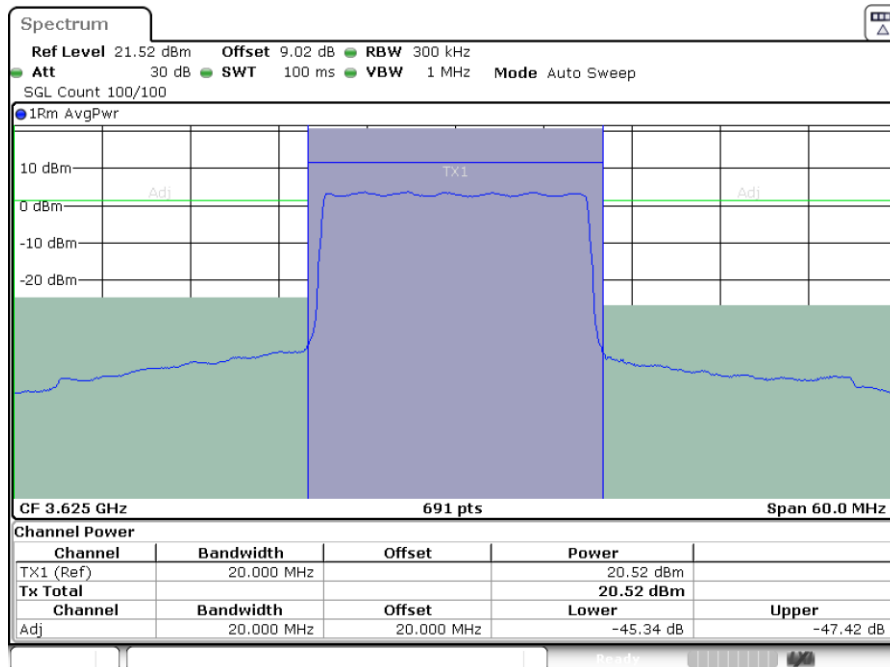
Date: 26.APR.2022 12:43:07

Middle Channel / 1RBmax



Date: 26.APR.2022 12:48:47

Middle Channel / FullRB



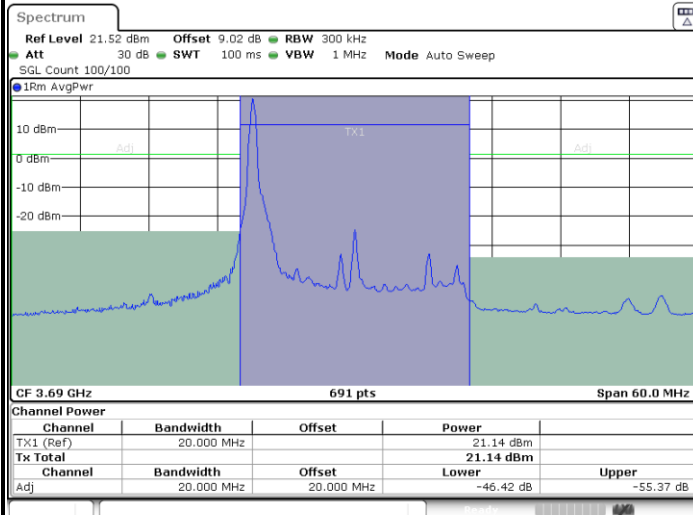
Date: 26.APR.2022 12:37:26



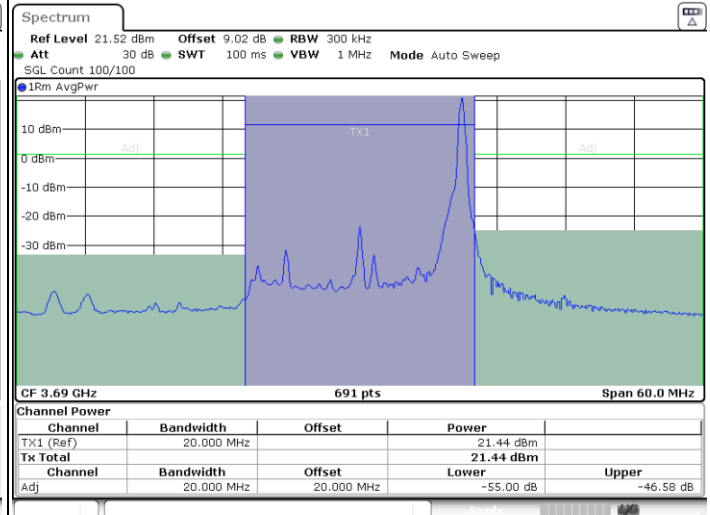
LTE Band 48 / 20MHz

QPSK

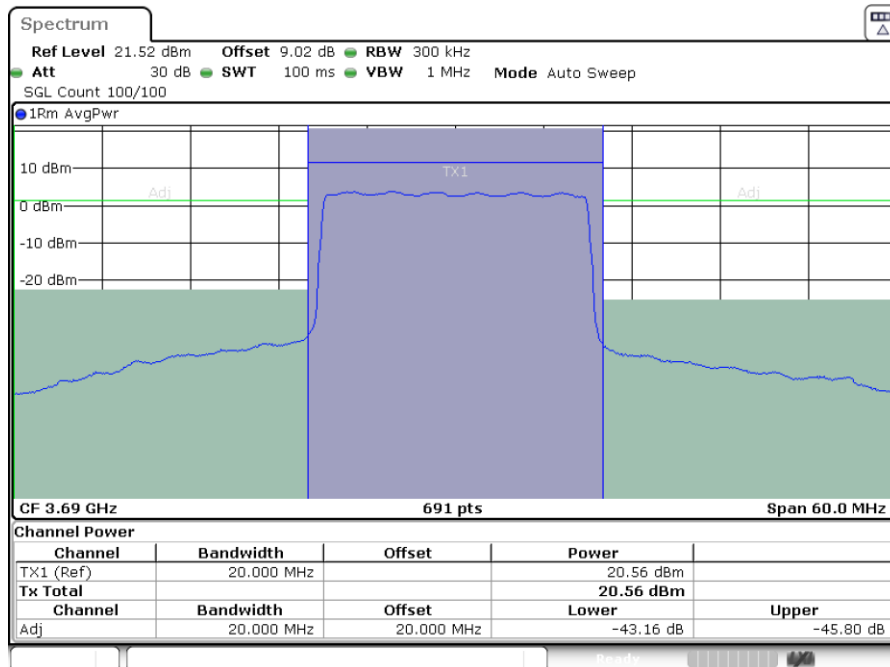
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

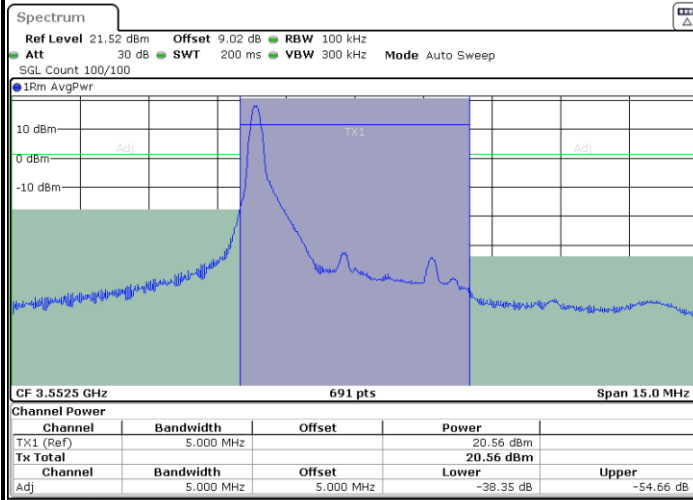




LTE Band 48 / 5MHz

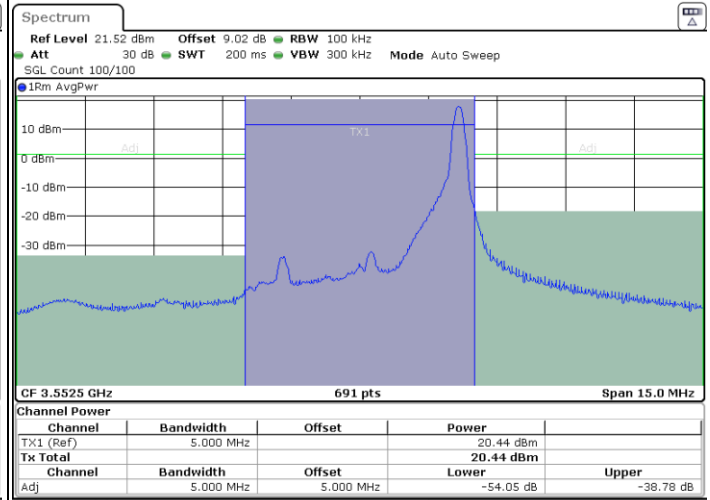
16QAM

Lowest Channel / 1RB0



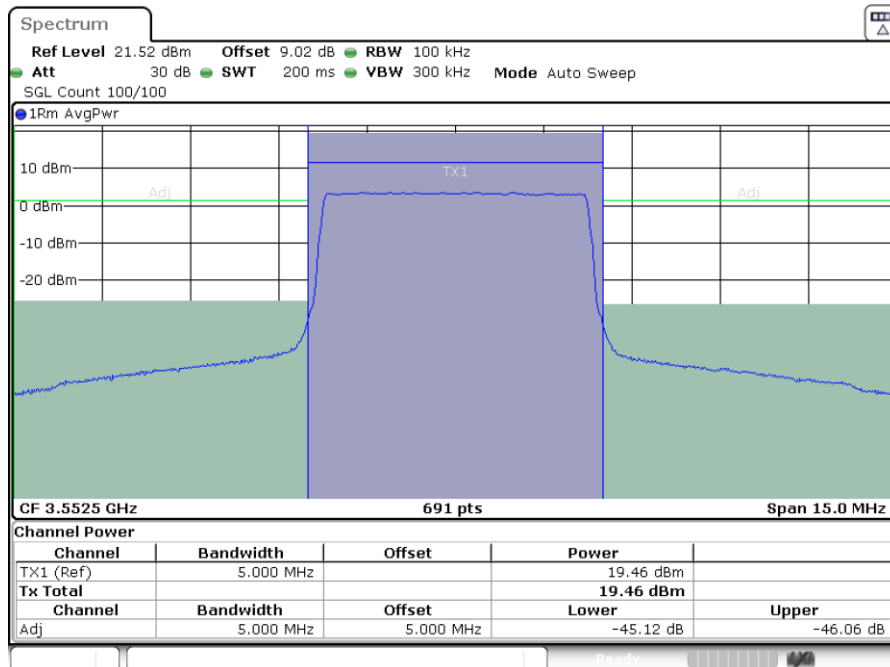
Date: 26.APR.2022 11:43:13

Lowest Channel / 1RBmax



Date: 26.APR.2022 11:55:11

Lowest Channel / FullRB



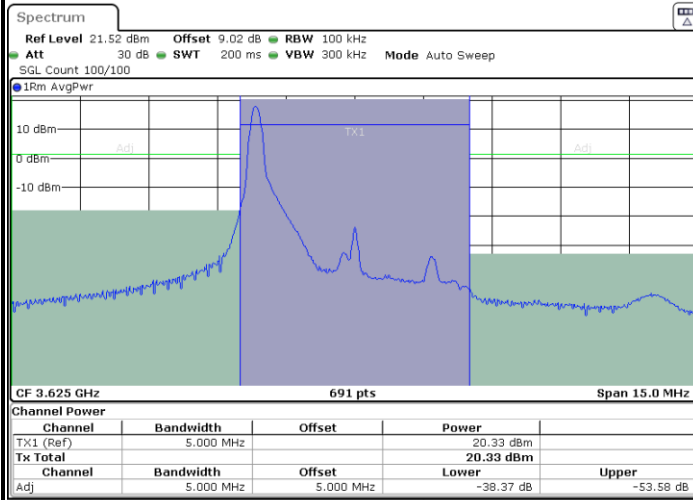
Date: 26.APR.2022 11:49:11



LTE Band 48 / 5MHz

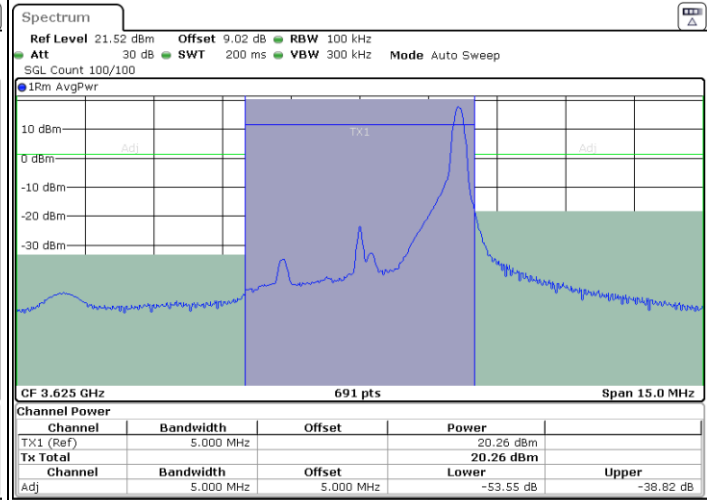
16QAM

Middle Channel / 1RB0



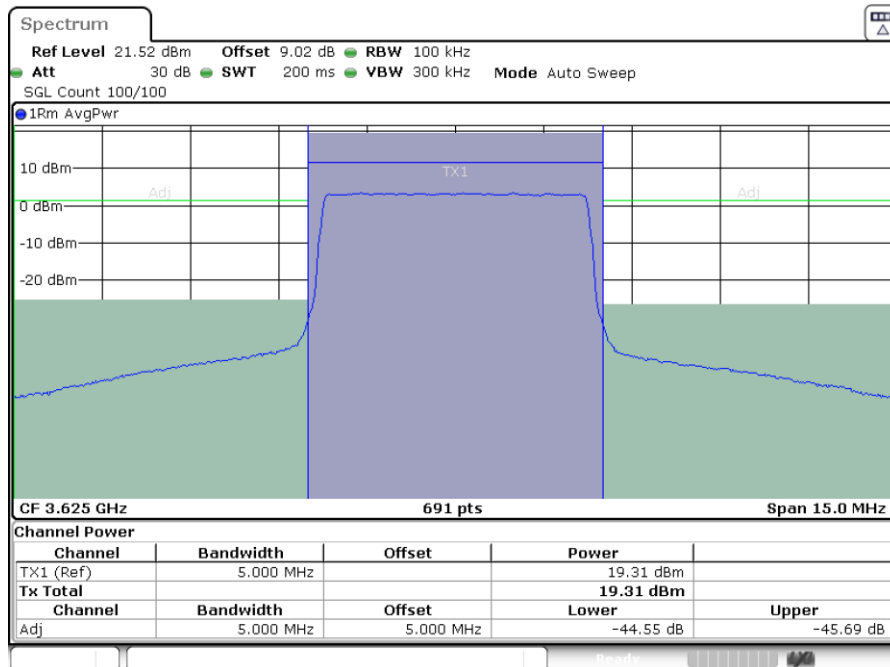
Date: 26.APR.2022 11:45:11

Middle Channel / 1RBmax



Date: 26.APR.2022 11:57:09

Middle Channel / FullRB



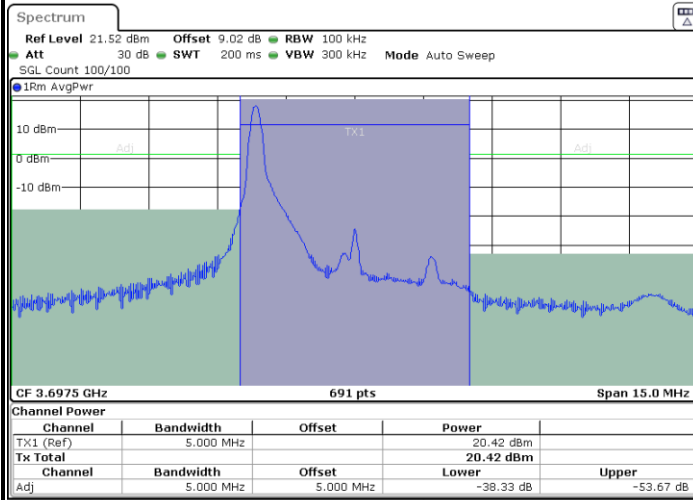
Date: 26.APR.2022 11:51:10



LTE Band 48 / 5MHz

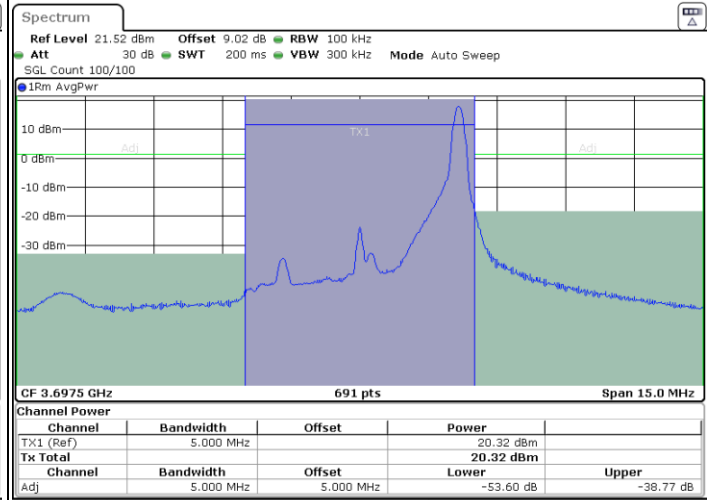
16QAM

Highest Channel / 1RB0



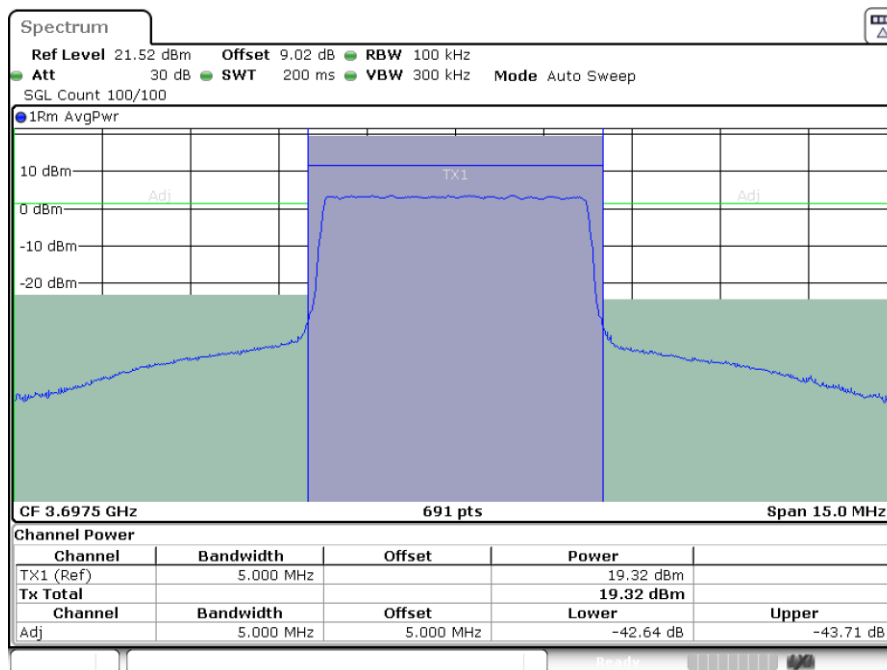
Date: 26.APR.2022 11:47:11

Highest Channel / 1RBmax



Date: 26.APR.2022 11:59:08

Highest Channel / FullRB



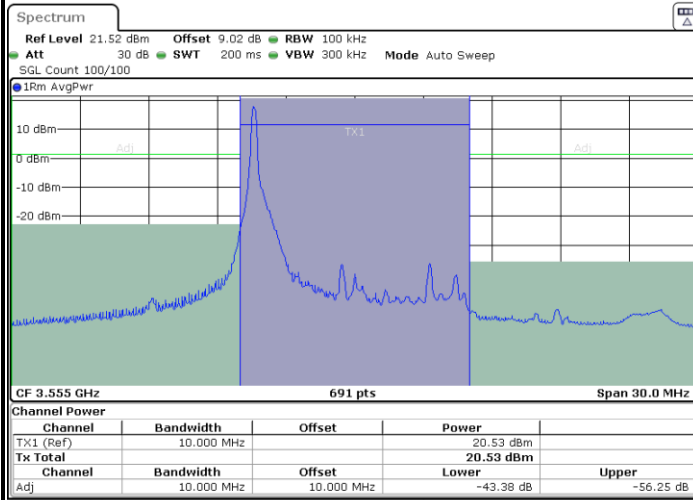
Date: 26.APR.2022 11:53:09



LTE Band 48 / 10MHz

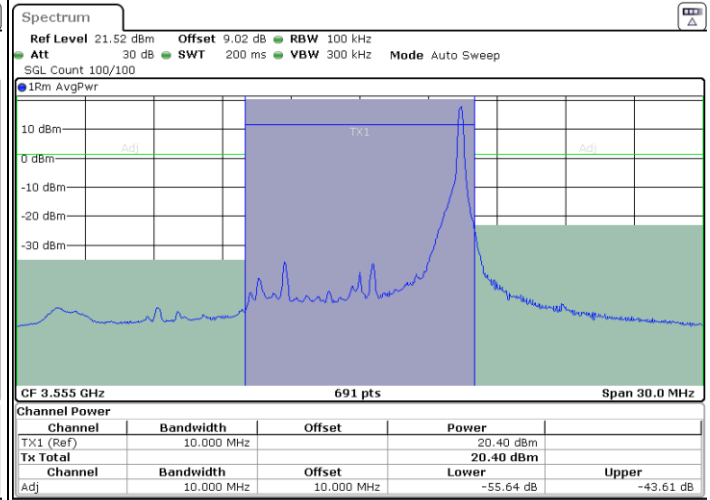
16QAM

Lowest Channel / 1RB0



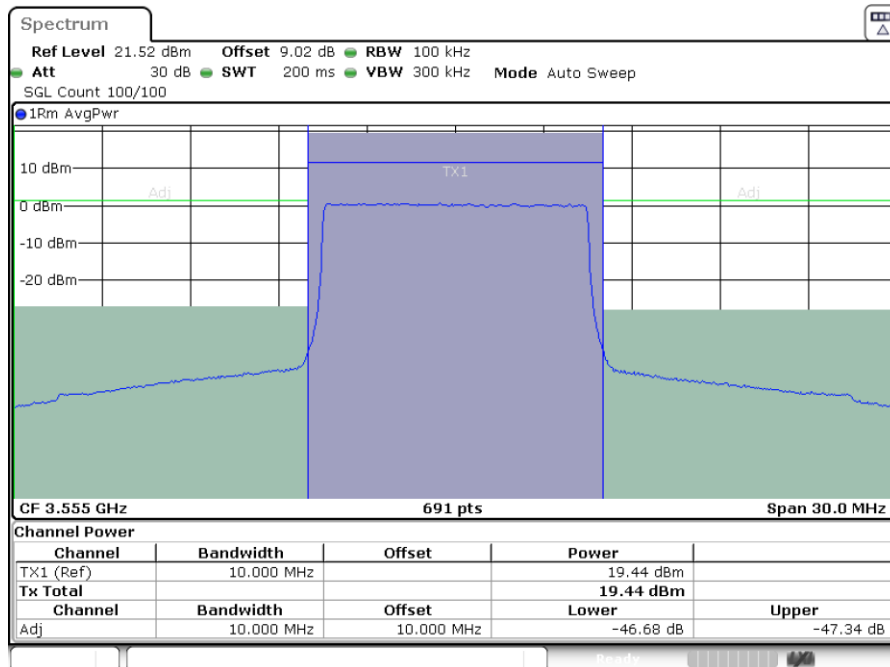
Date: 26.APR.2022 12:01:10

Lowest Channel / 1RBmax



Date: 26.APR.2022 12:13:11

Lowest Channel / FullRB



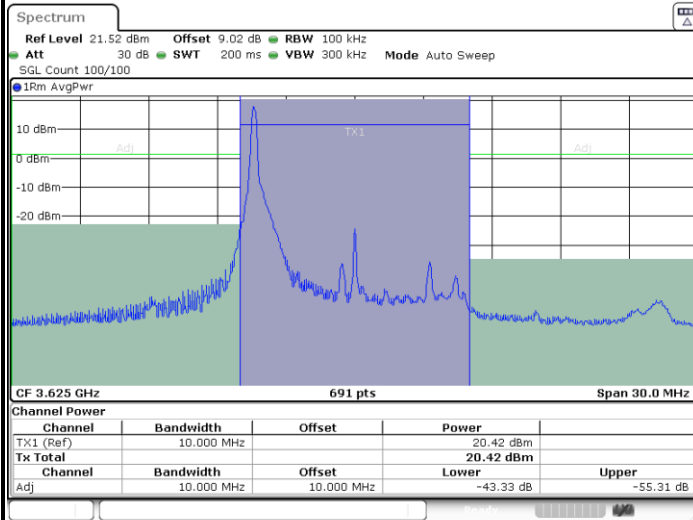
Date: 26.APR.2022 12:07:10



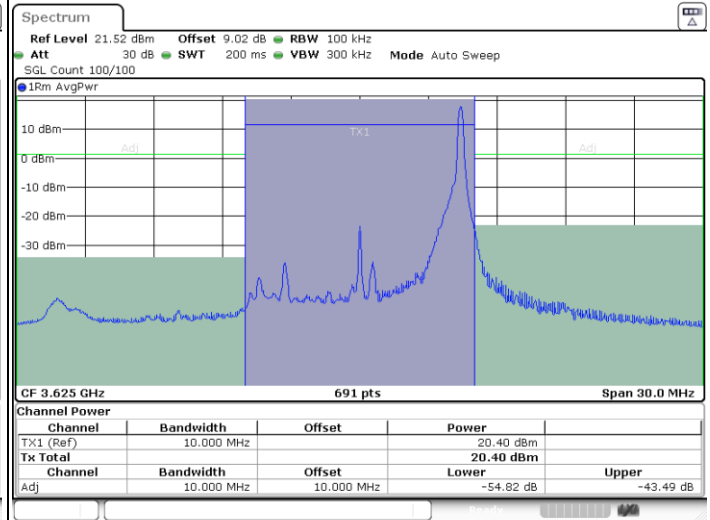
LTE Band 48 / 10MHz

16QAM

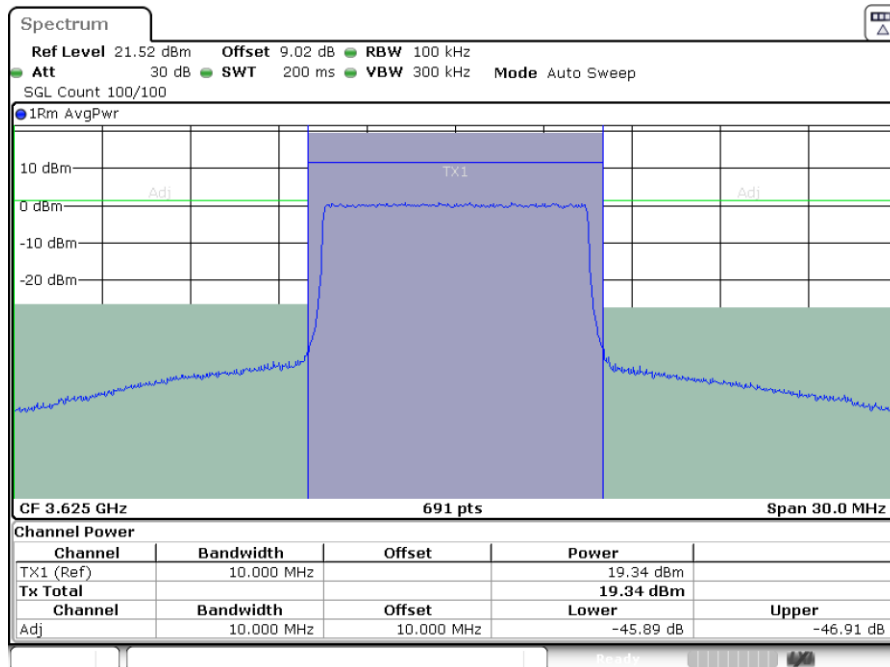
MiddleChannel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

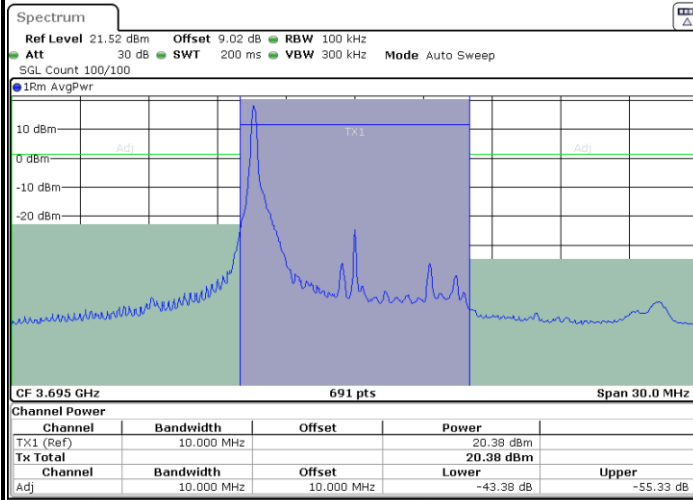




LTE Band 48 / 10MHz

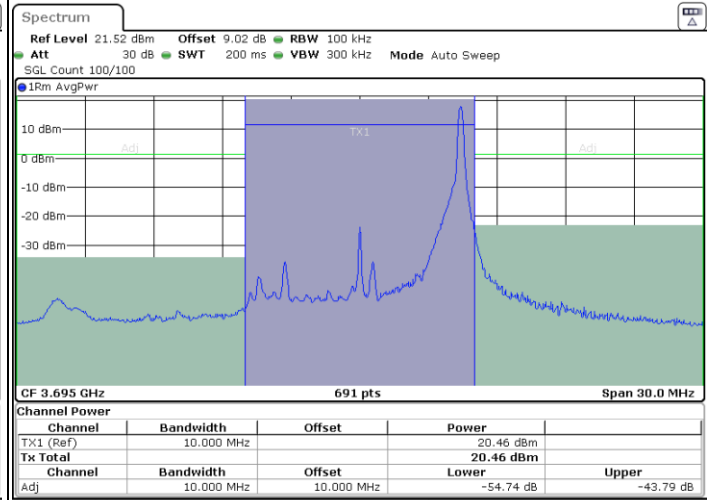
16QAM

Highest Channel / 1RB0



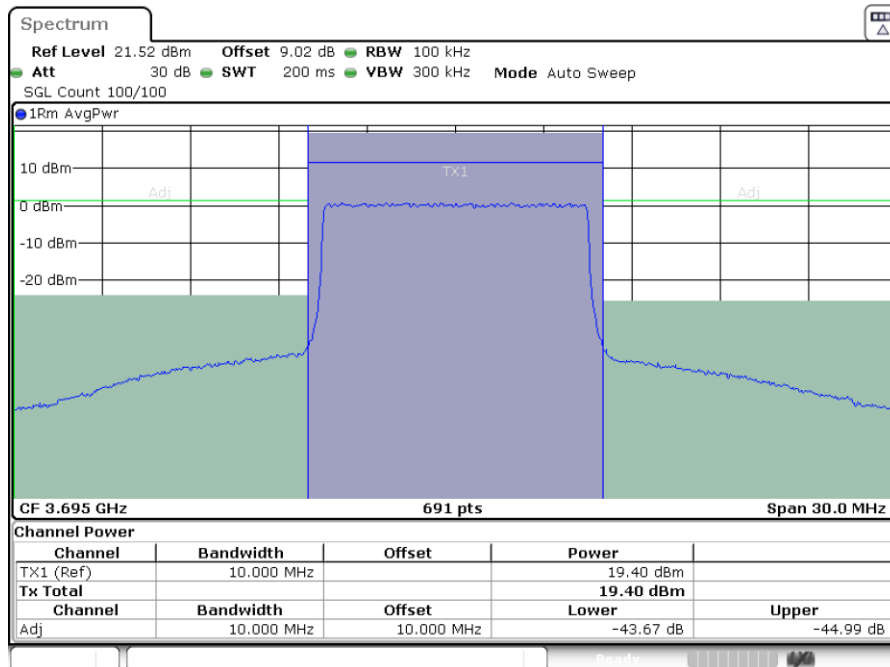
Date: 26.APR.2022 12:05:10

Highest Channel / 1RBmax



Date: 26.APR.2022 12:17:11

Highest Channel / FullRB



Date: 26.APR.2022 12:11:10

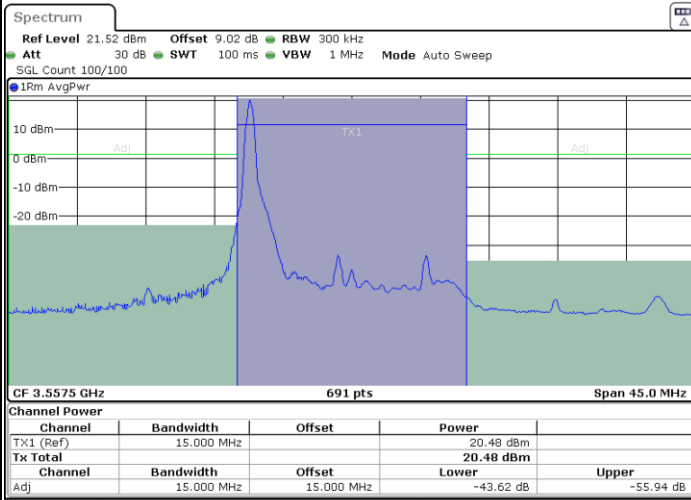


LTE Band 48 / 15MHz

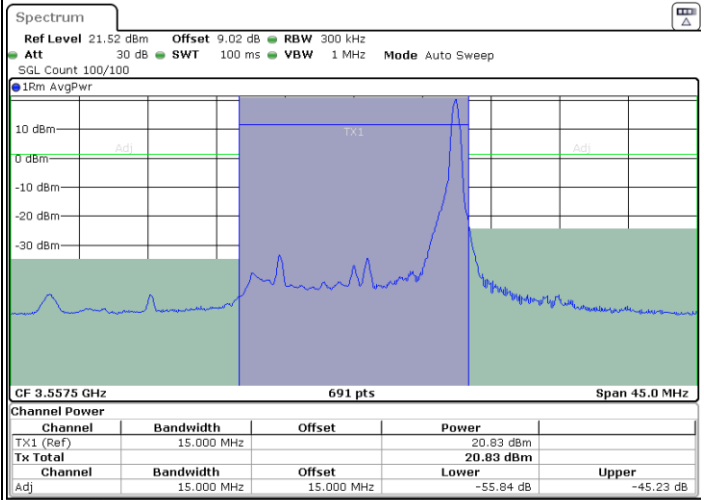
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

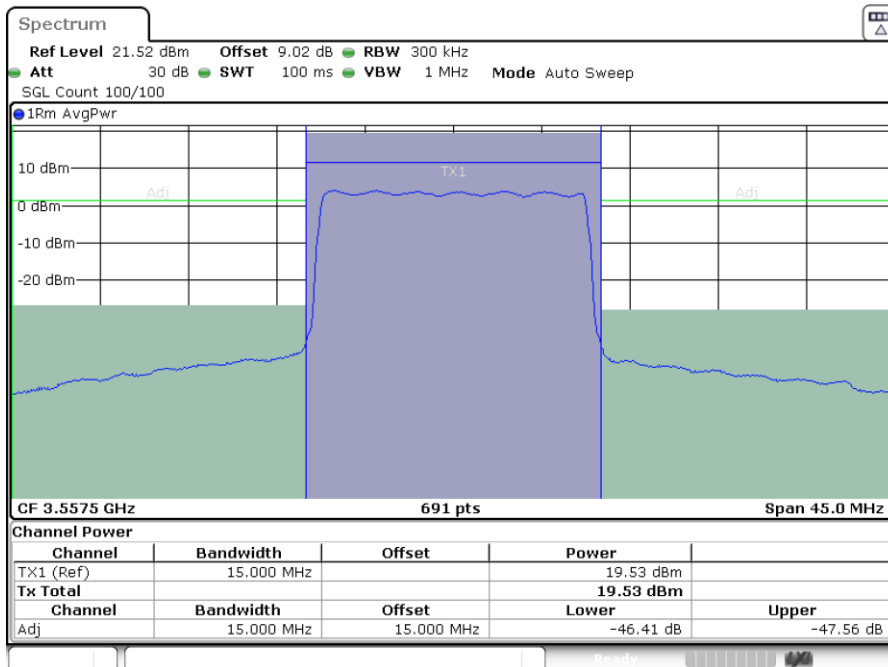


Date: 26.APR.2022 12:19:08



Date: 26.APR.2022 12:30:29

Lowest Channel / FullRB



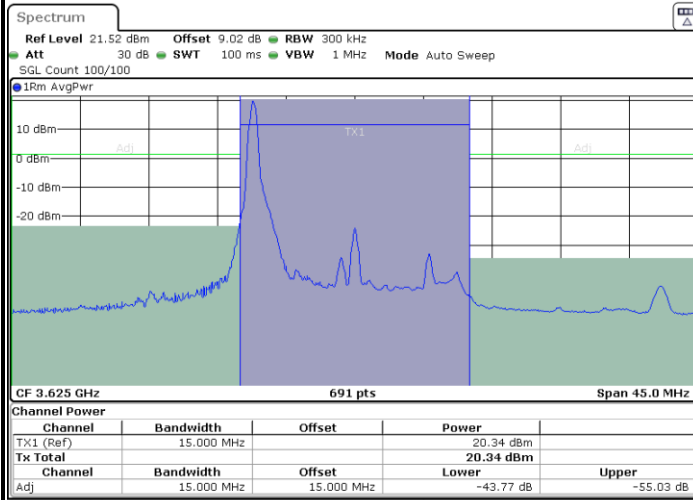
Date: 26.APR.2022 12:24:48



LTE Band 48 / 15MHz

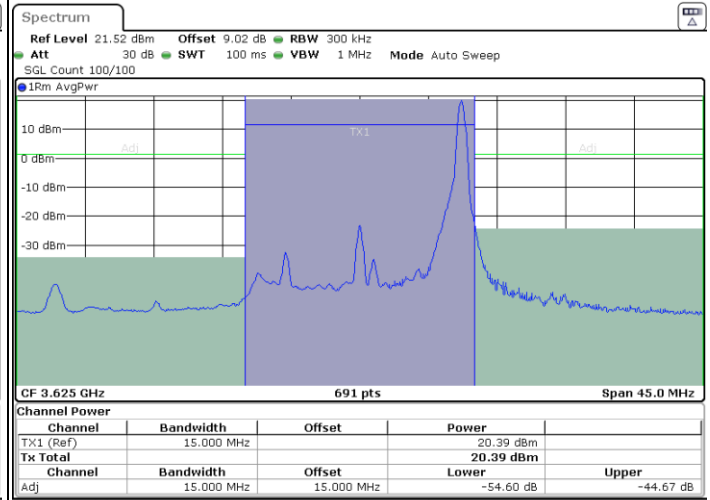
16QAM

Middle Channel / 1RB0



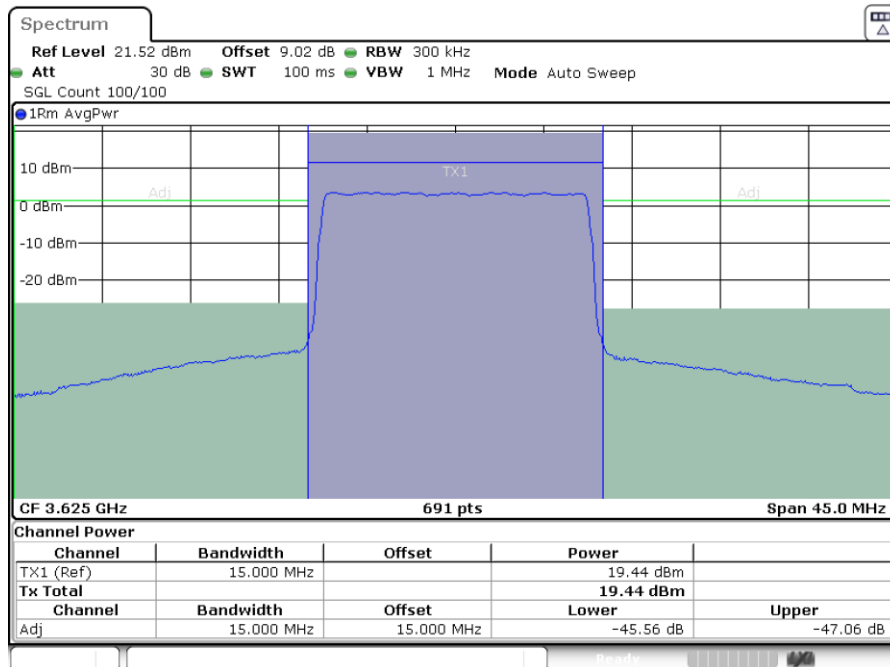
Date: 26.APR.2022 12:21:01

Middle Channel / 1RBmax



Date: 26.APR.2022 12:32:23

Middle Channel / FullRB



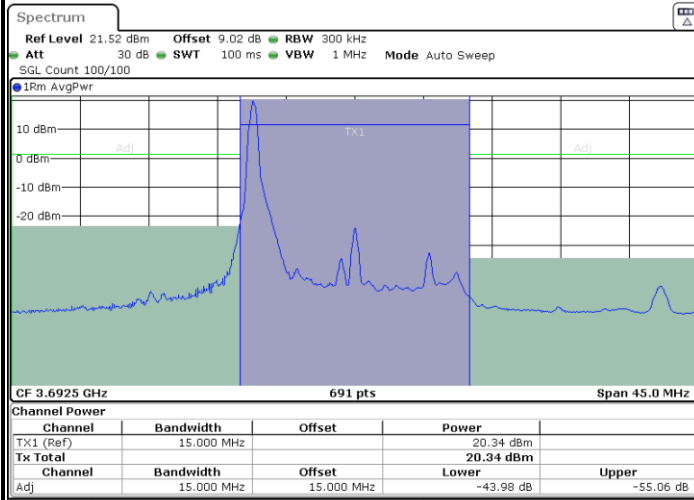
Date: 26.APR.2022 12:26:42



LTE Band 48 / 15MHz

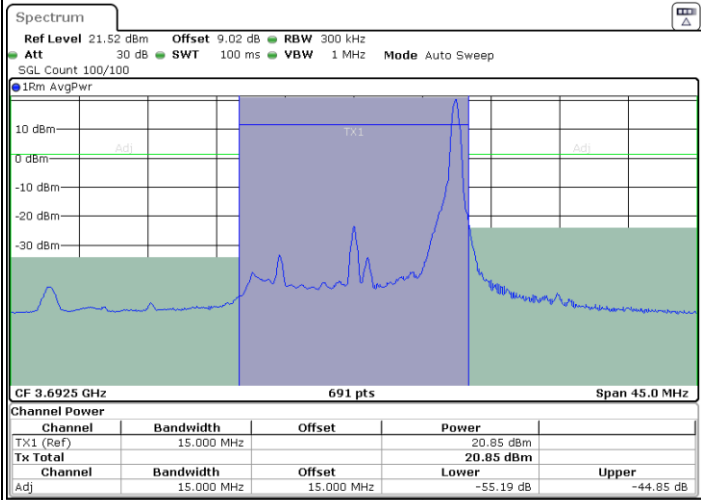
16QAM

Highest Channel / 1RB0



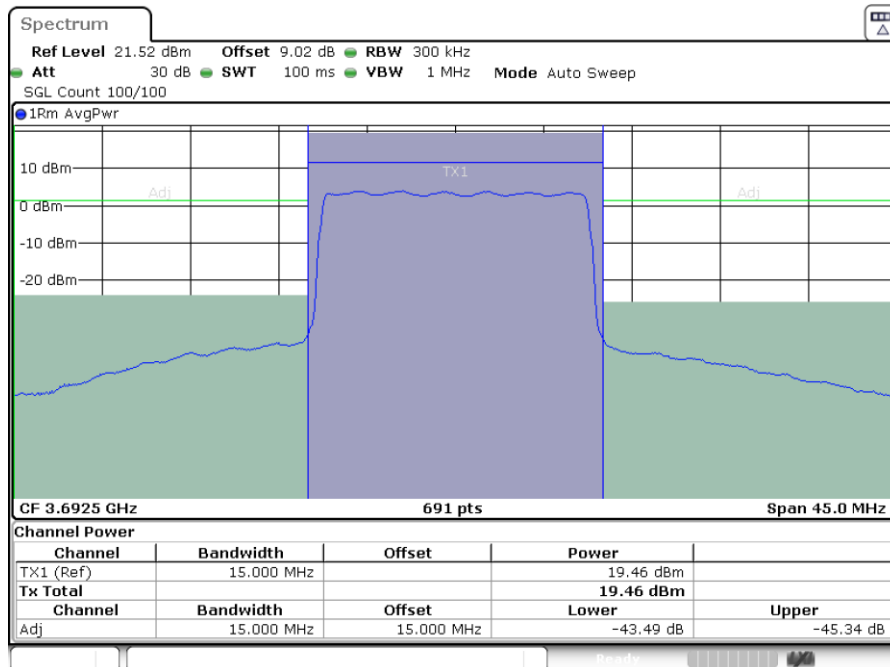
Date: 26.APR.2022 12:22:54

Highest Channel / 1RBmax



Date: 26.APR.2022 12:34:16

Highest Channel / FullRB



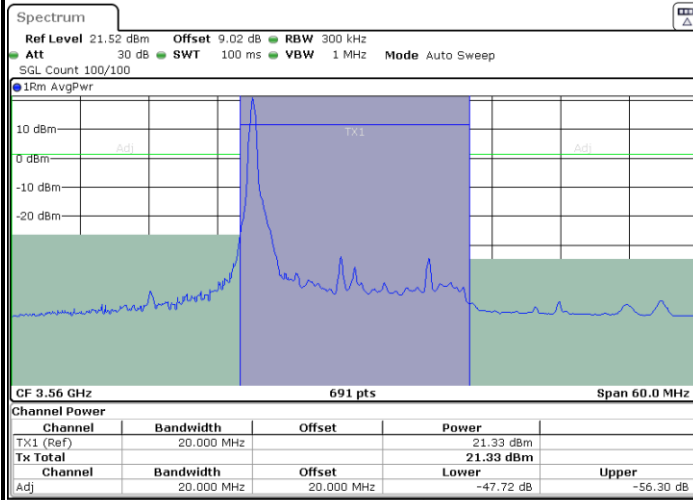
Date: 26.APR.2022 12:28:35



LTE Band 48 / 20MHz

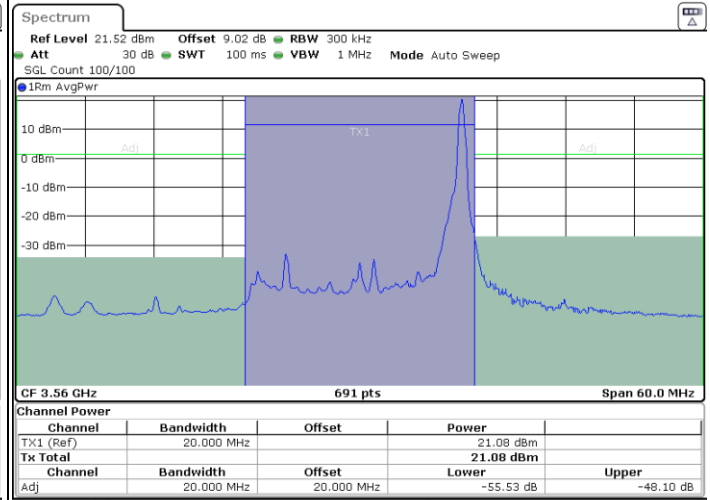
16QAM

Lowest Channel / 1RB0



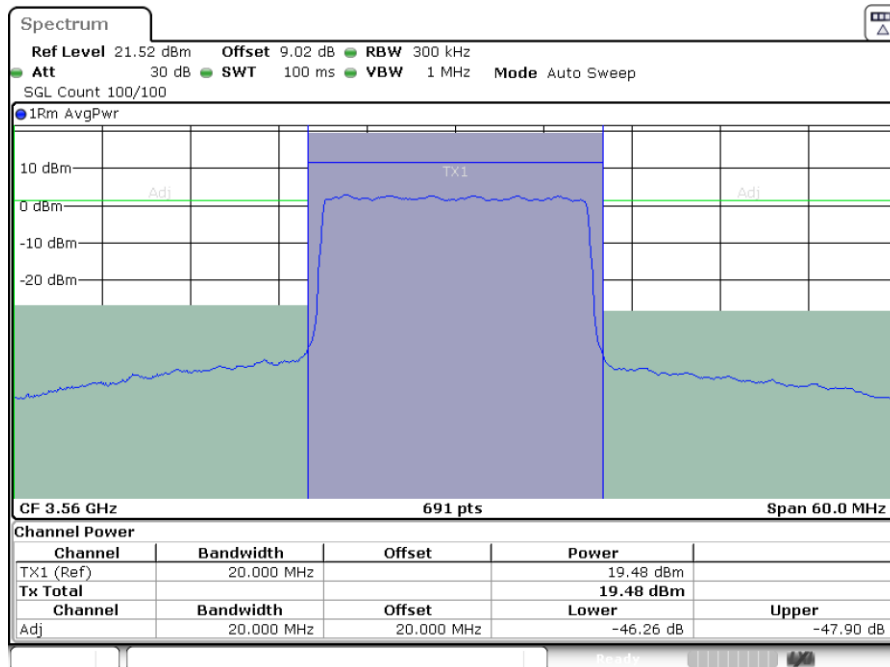
Date: 26.APR.2022 12:41:51

Lowest Channel / 1RBmax



Date: 26.APR.2022 12:47:32

Lowest Channel / FullRB



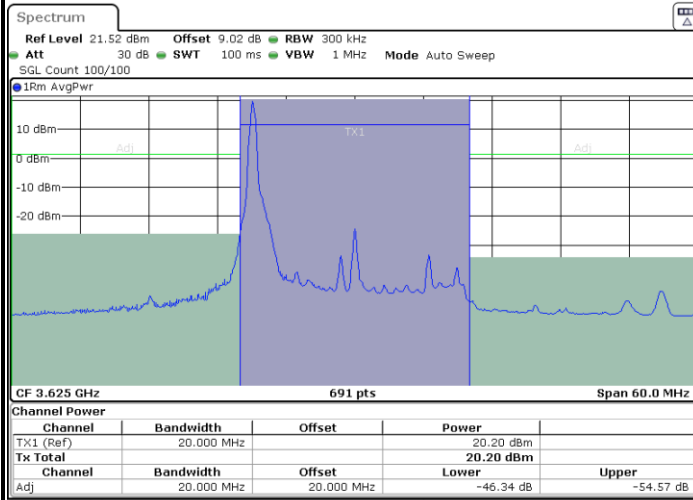
Date: 26.APR.2022 12:36:10



LTE Band 48 / 20MHz

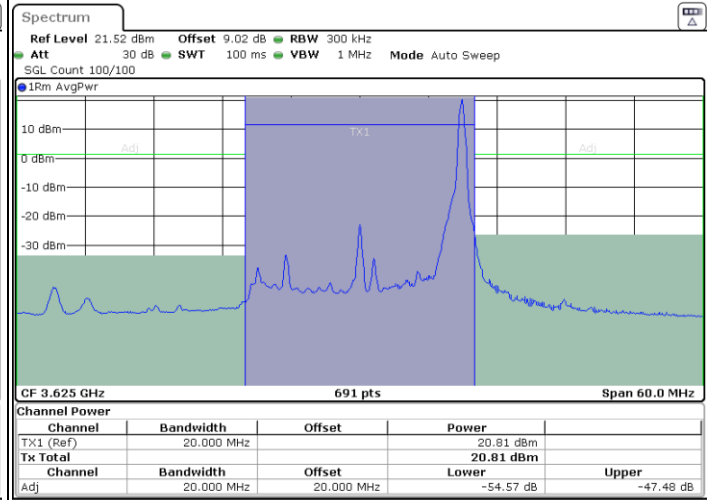
16QAM

Middle Channel / 1RB0



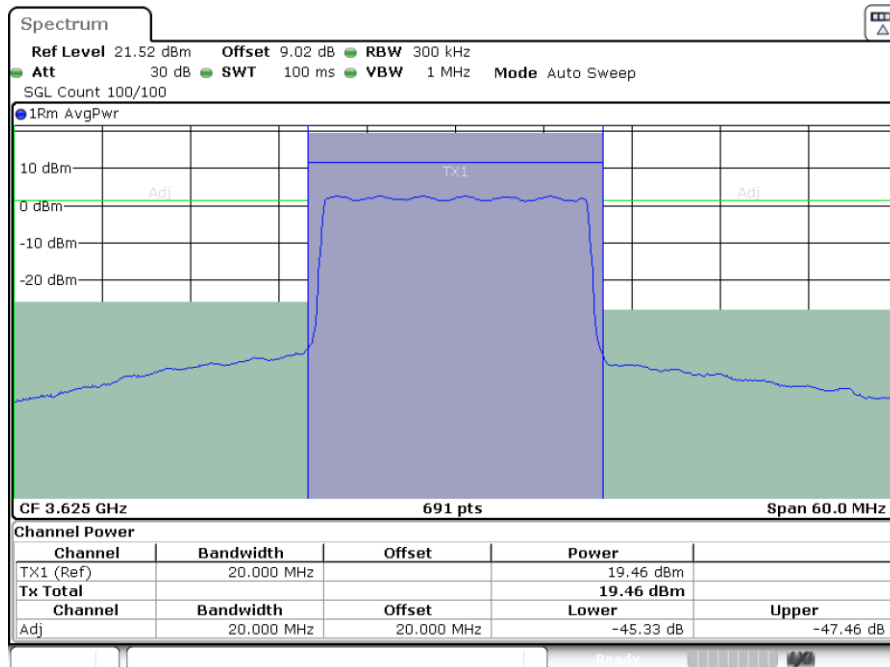
Date: 26.APR.2022 12:43:44

Middle Channel / 1RBmax



Date: 26.APR.2022 12:49:25

Middle Channel / FullRB



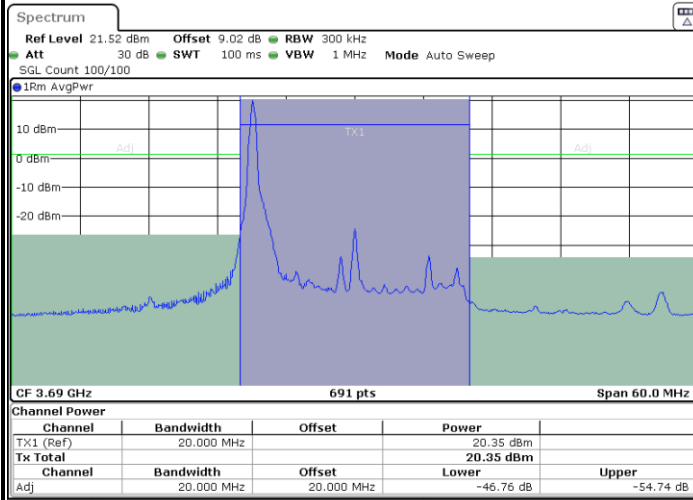
Date: 26.APR.2022 12:38:04



LTE Band 48 / 20MHz

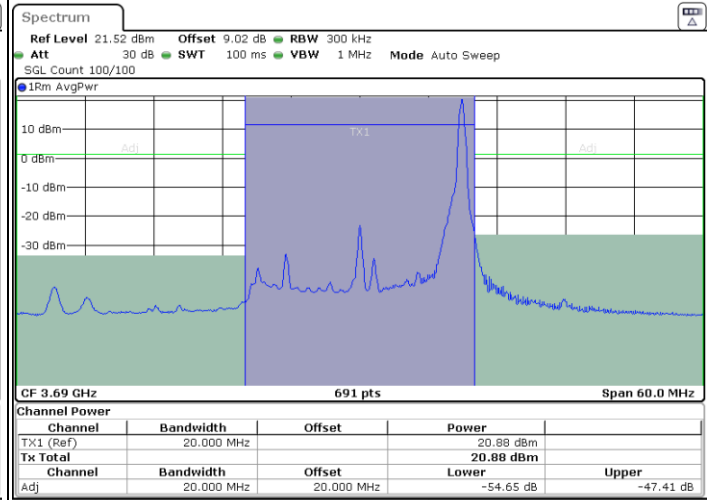
16QAM

Highest Channel / 1RB0



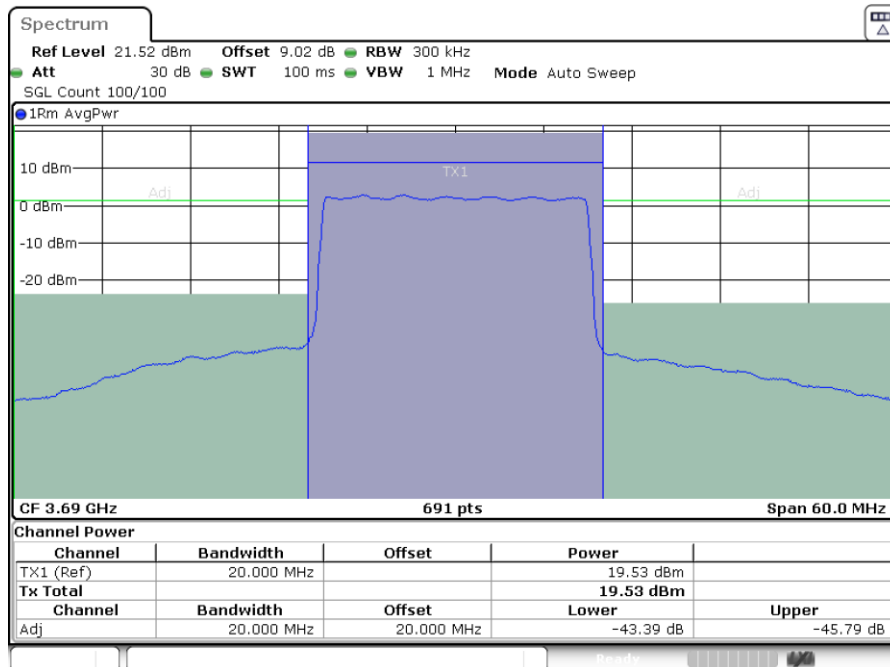
Date: 26.APR.2022 12:45:37

Highest Channel / 1RBmax



Date: 26.APR.2022 12:51:18

Highest Channel / FullRB



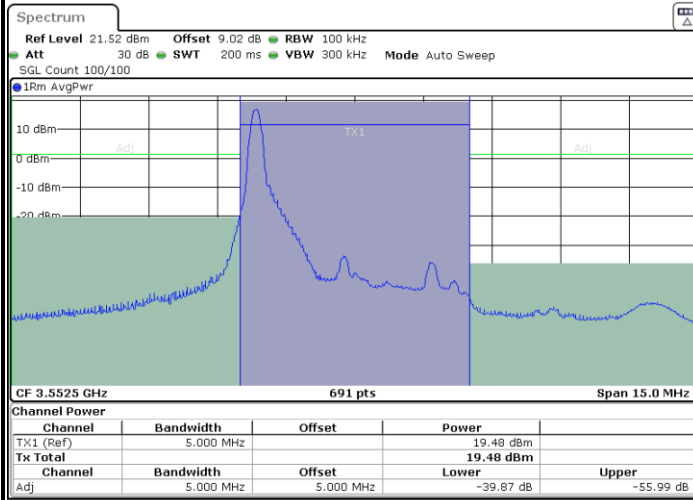
Date: 26.APR.2022 12:39:57



LTE Band 48 / 5MHz

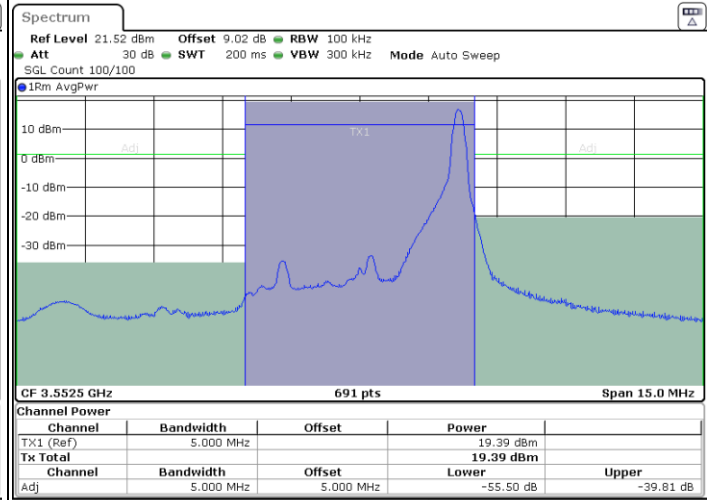
64QAM

Lowest Channel / 1RB0



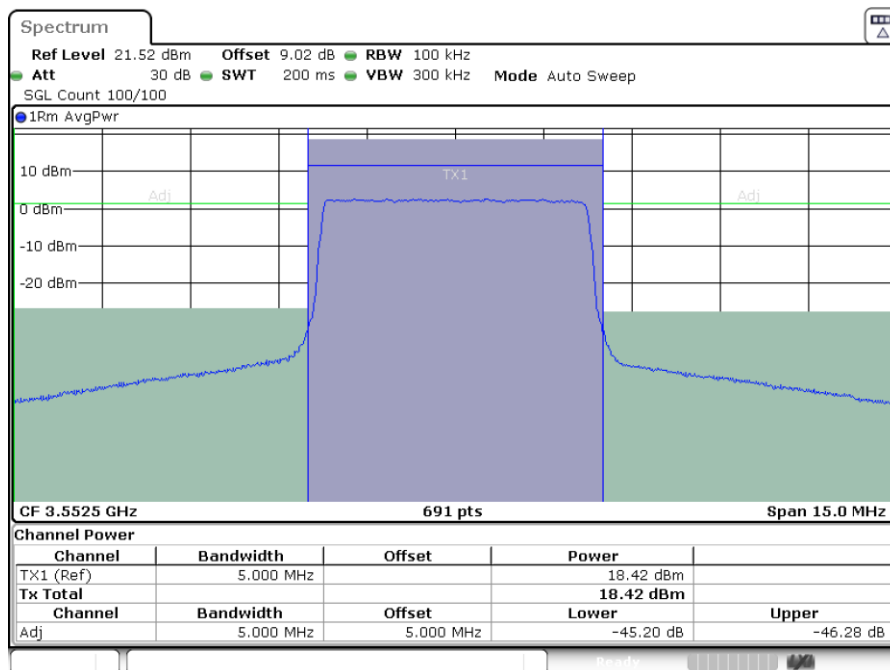
Date: 26.APR.2022 11:43:53

Lowest Channel / 1RBmax



Date: 26.APR.2022 11:55:51

Lowest Channel / FullRB



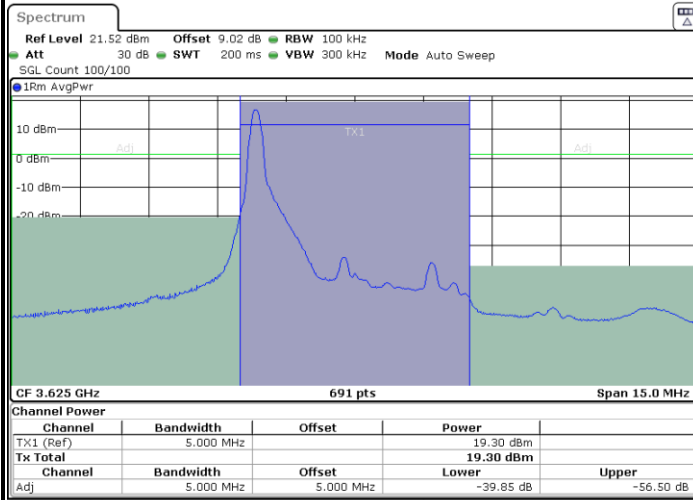
Date: 26.APR.2022 11:49:51



LTE Band 48 / 5MHz

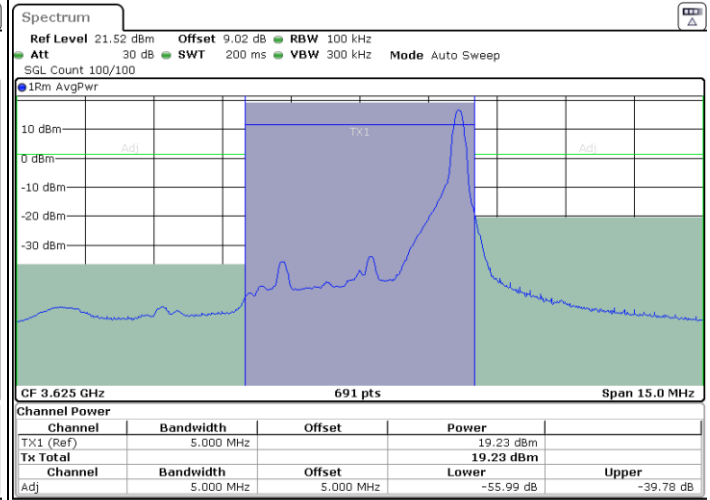
64QAM

Middle Channel / 1RB0



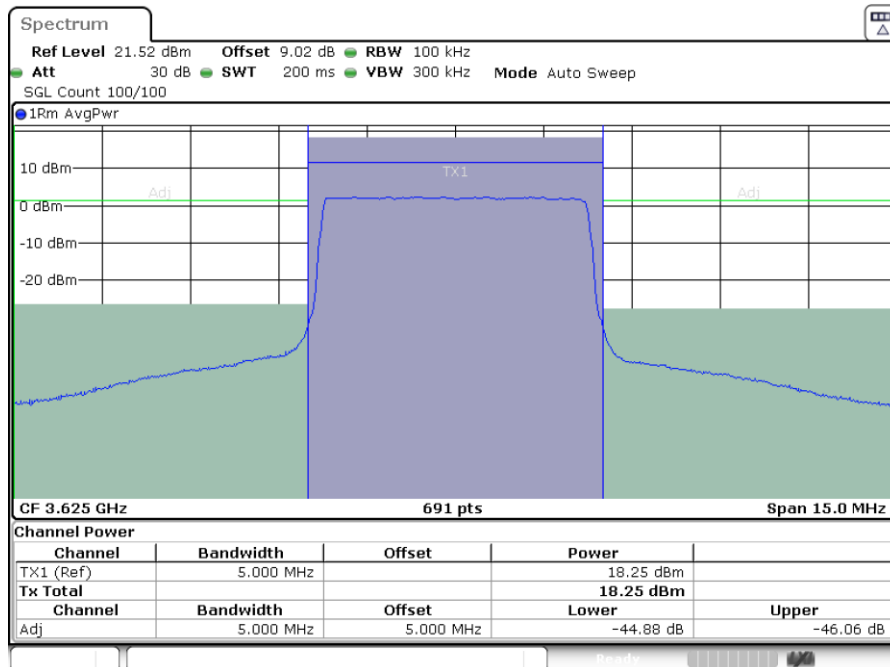
Date: 26.APR.2022 11:44:32

Middle Channel / 1RBmax



Date: 26.APR.2022 11:56:30

Middle Channel / FullRB



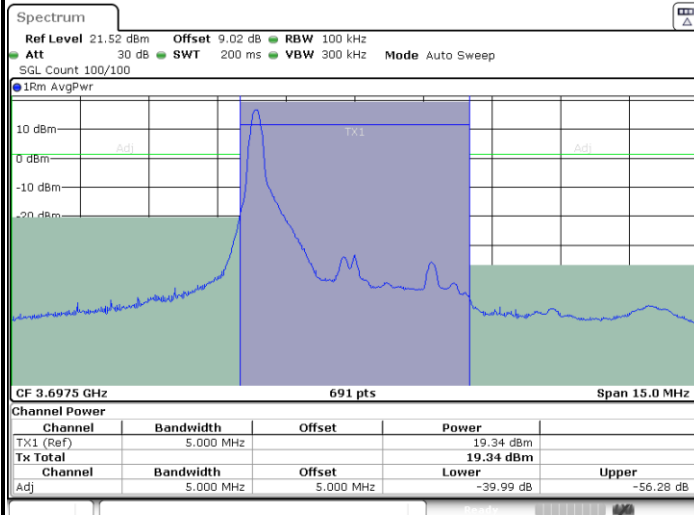
Date: 26.APR.2022 11:50:30



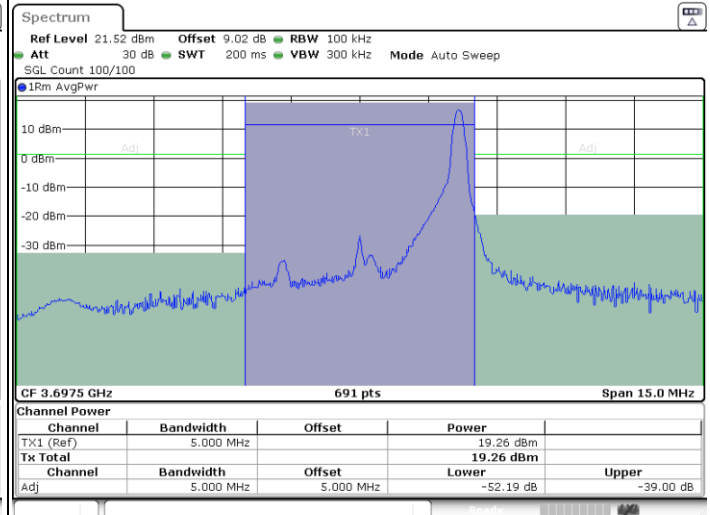
LTE Band 48 / 5MHz

64QAM

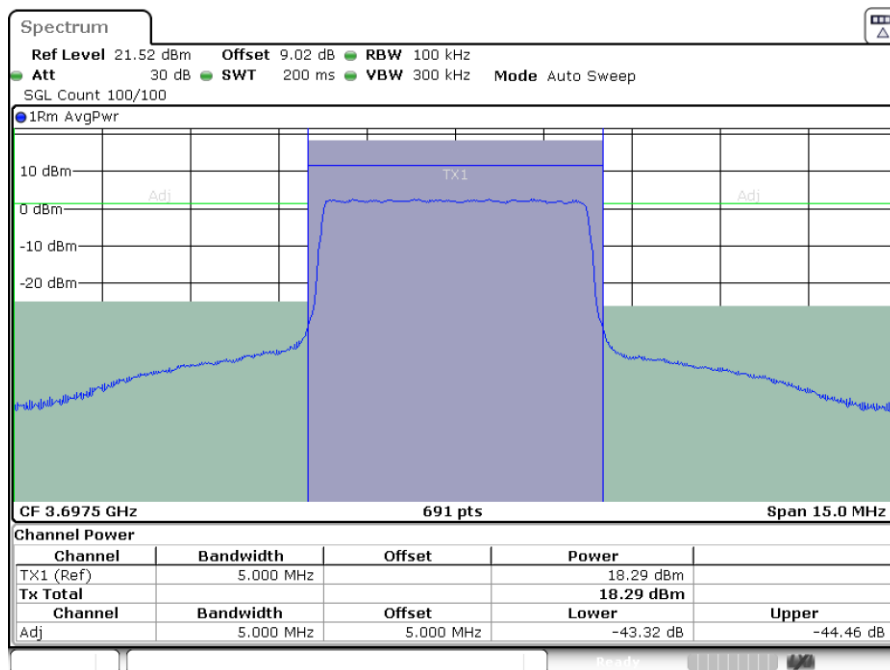
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

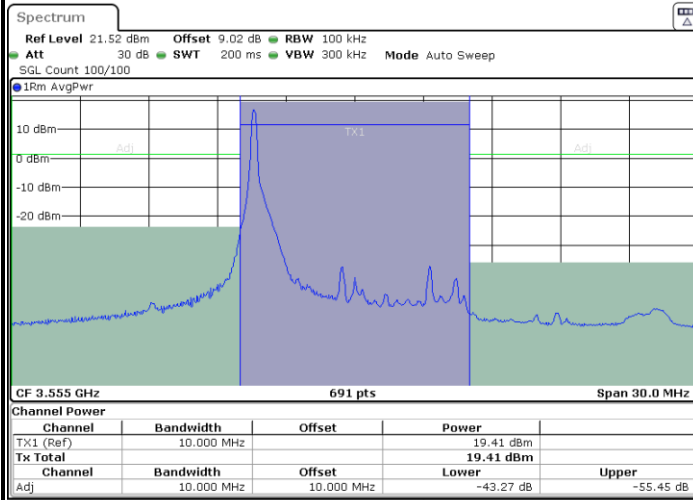




LTE Band 48 / 10MHz

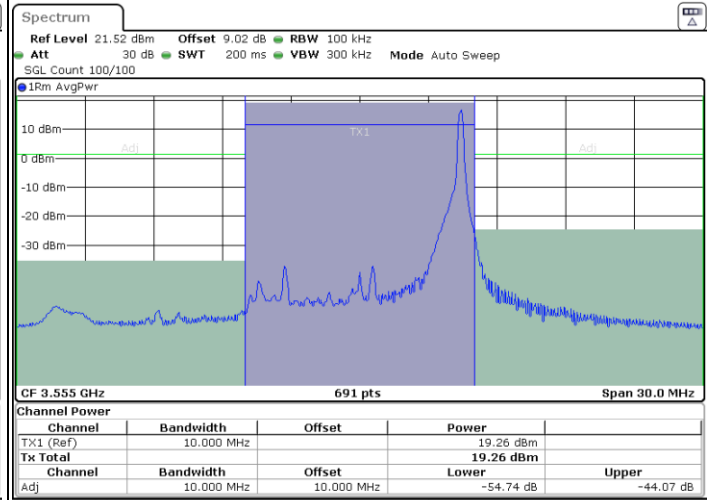
64QAM

Lowest Channel / 1RB0



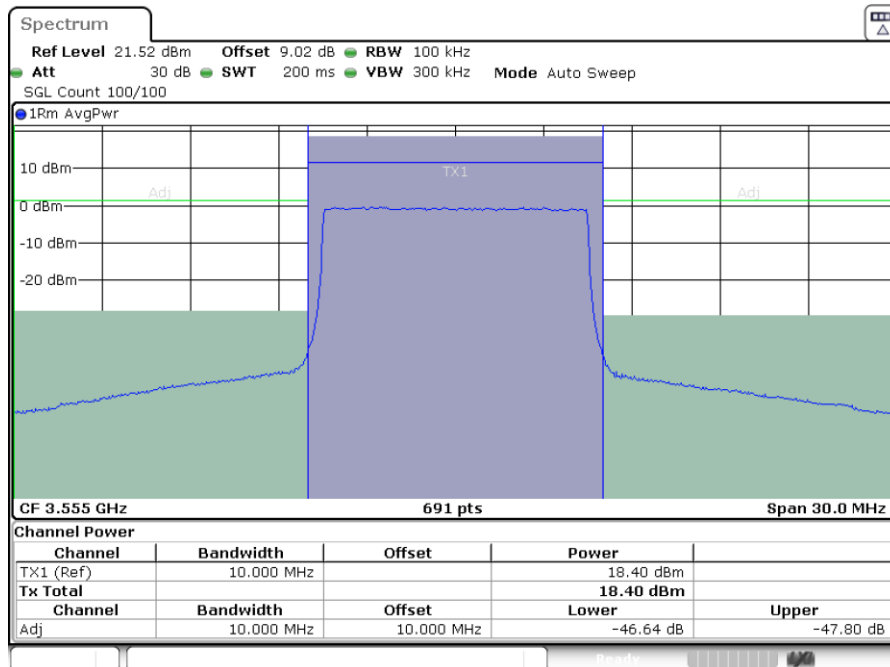
Date: 26.APR.2022 12:00:30

Lowest Channel / 1RBmax



Date: 26.APR.2022 12:12:31

Lowest Channel / FullRB



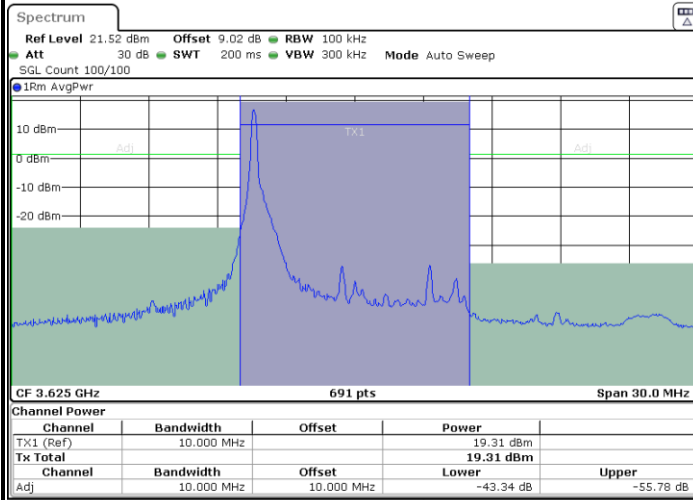
Date: 26.APR.2022 12:06:30



LTE Band 48 / 10MHz

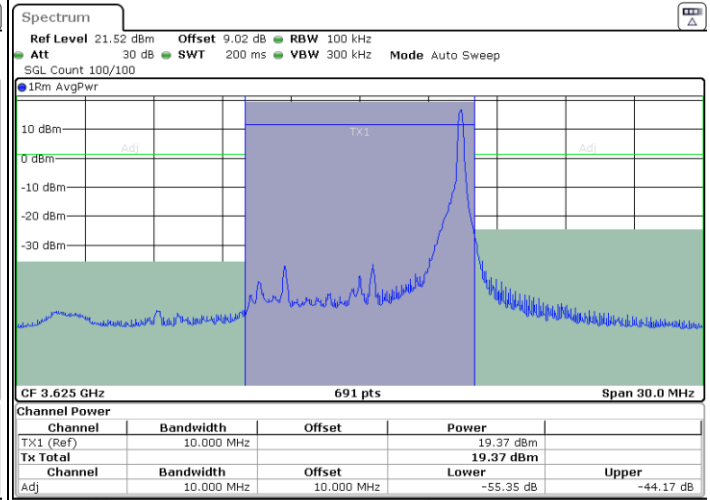
64QAM

MiddleChannel / 1RB0



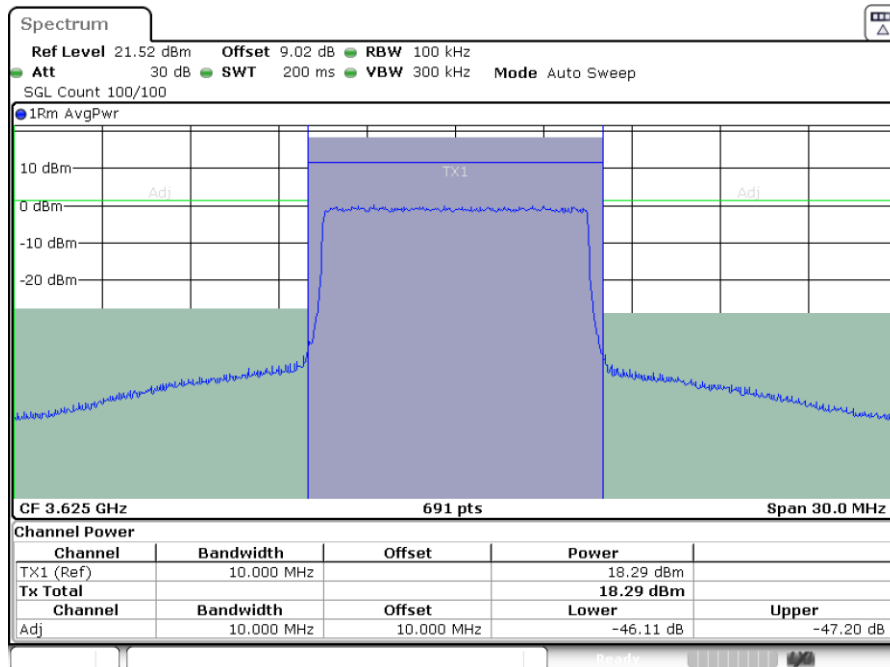
Date: 26.APR.2022 12:03:49

Middle Channel / 1RBmax



Date: 26.APR.2022 12:15:50

Middle Channel / FullRB



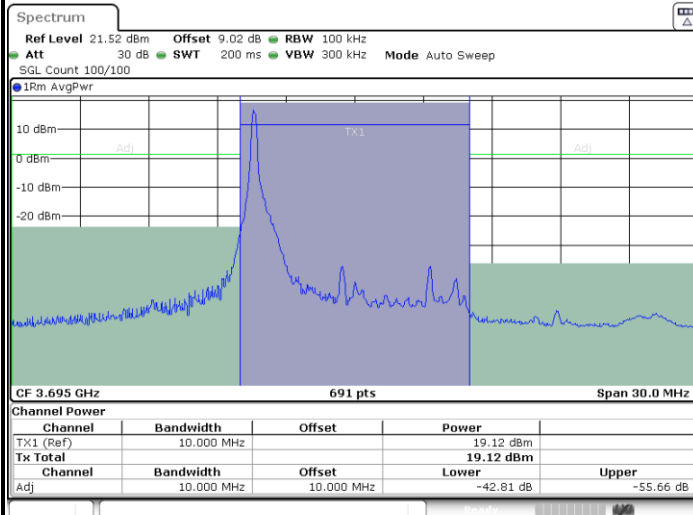
Date: 26.APR.2022 12:09:49



LTE Band 48 / 10MHz

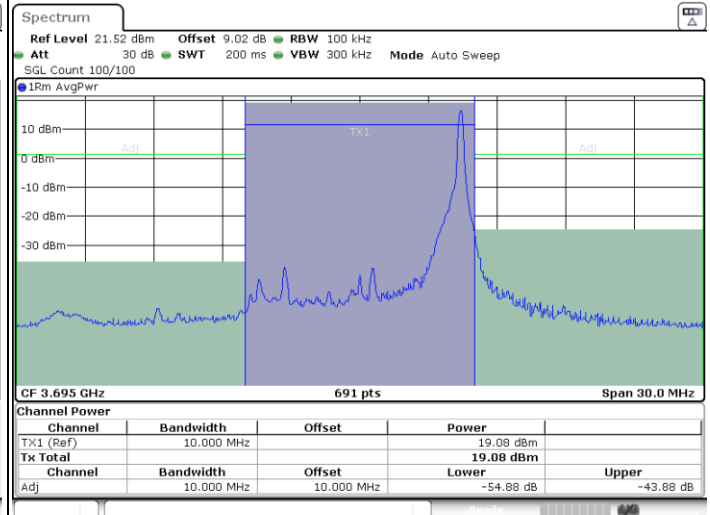
64QAM

Highest Channel / 1RB0



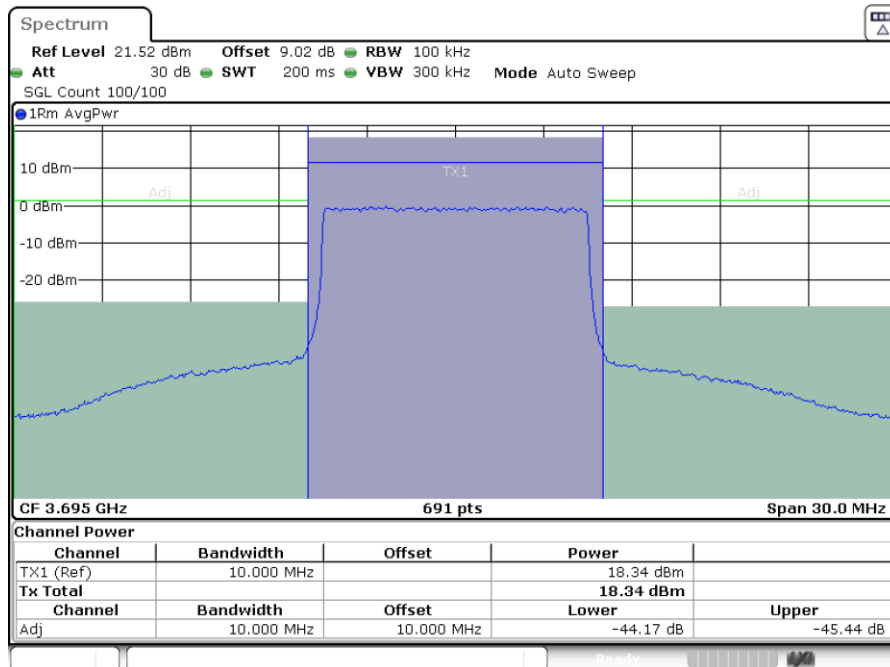
Date: 26.APR.2022 12:04:29

Highest Channel / 1RBmax



Date: 26.APR.2022 12:16:30

Highest Channel / FullRB



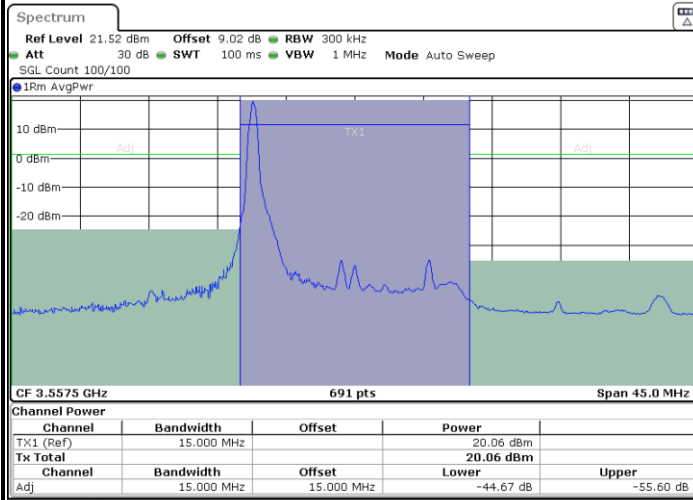
Date: 26.APR.2022 12:10:30



LTE Band 48 / 15MHz

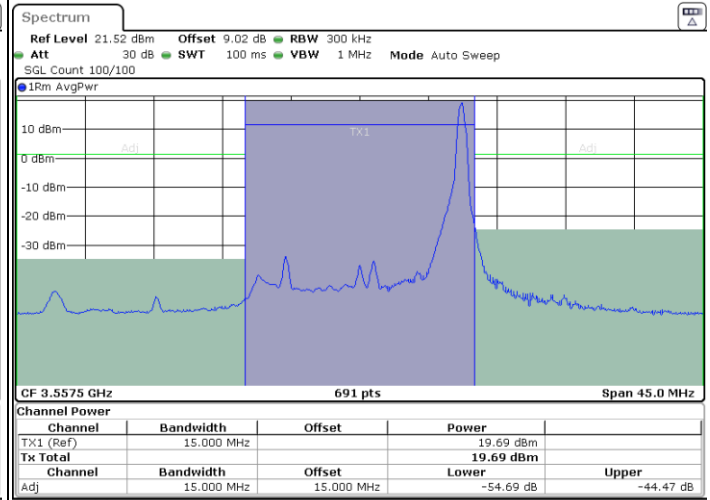
64QAM

Lowest Channel / 1RB0



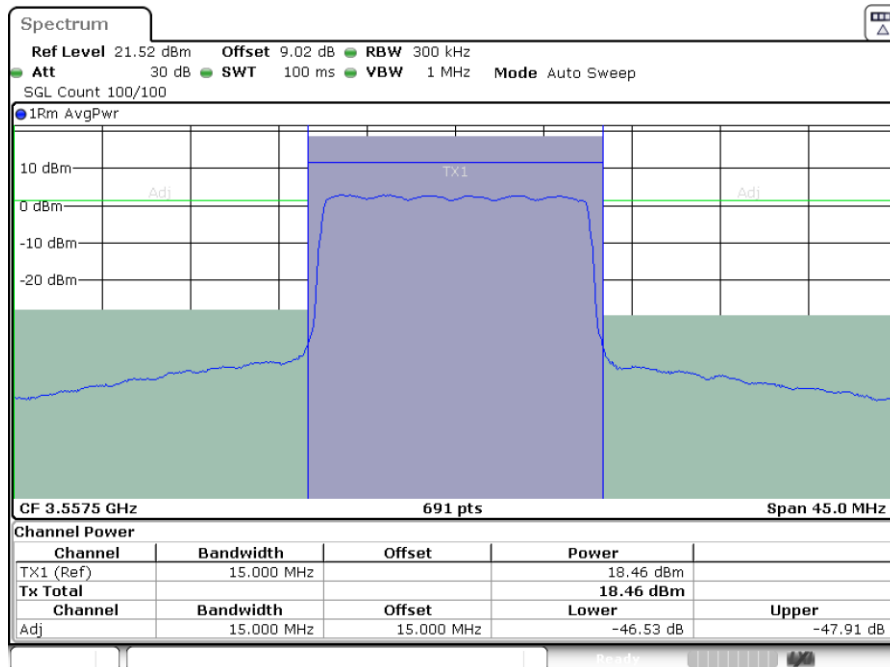
Date: 26.APR.2022 12:19:46

Lowest Channel / 1RBmax



Date: 26.APR.2022 12:31:07

Lowest Channel / FullRB



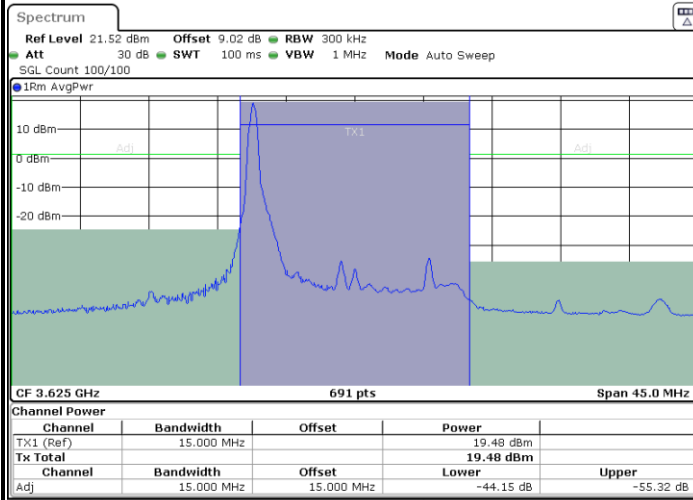
Date: 26.APR.2022 12:25:26



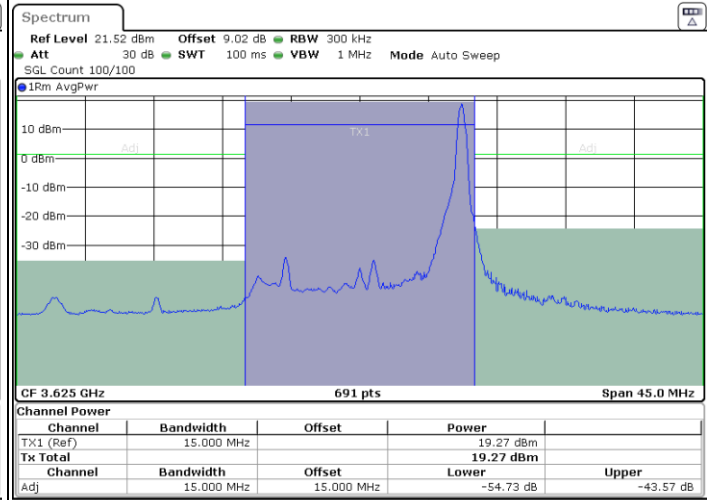
LTE Band 48 / 15MHz

64QAM

Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

