FCC RF Test Report

APPLICANT	:	Xiaomi Communications Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	Xiaomi
MODEL NAME	:	23078PND5G
FCC ID	:	2AFZZND5G
STANDARD	:	47 CFR Part 2, 96
CLASSIFICATION	:	Citizens Band End User Devices (CBE)
EQUIPMENT TYPE	:	End User Equipment
TEST DATE(S)	:	May 23, 2023 ~ May 31, 2023

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

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

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

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People's Republic of China

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History of this test report

Report No.	Version	Description	Issued Date
FG351205F	01	Initial issue of report	Jun. 26, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.3	§2.1046	Conducted Output Power	Reporting only	-
-	§96.41	Peak-to-Average Ratio	Not Applicable	Not applicable for End User Devices
3.4	§96.41	Maximum E.I.R.P	Pass	-
		Maximum Power Spectral Density	Not Applicable	Not applicable for End User Devices
3.5	§2.1049 §96.41	Occupied Bandwidth	Reporting only	-
3.6	§2.1051 §96.41	Conducted Band Edge Measurement Adjacent Channel Leakage Ratio	Pass	-
3.7	§2.1051 §96.41	Conducted Spurious Emission	Pass	-
3.8	§2.1055	Frequency Stability for Temperature & Voltage	Pass	-
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 10.56 dB at 14464.000 MHz

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Applicant

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	23078PND5G
FCC ID	2AFZZND5G
Tx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Rx Frequency	LTE Band 48: 3550 MHz ~ 3700 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	<Ant.1>: 22.06 dBm <Ant.5>: 23.30 dBm <Ant.6>: 22.88 dBm <Ant.7>: 22.00 dBm
Antenna Gain	<Ant.1>: -7.50 dBi <Ant.5>: -0.67 dBi <Ant.6>: -1.00 dBi <Ant.7>: -6.30 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
IMEI Code	Conducted: 861585060039540/861585060039557 Radiation: 861585060042627/861585060042635
HW Version	P2.0
SW Version	MIUI 14
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 maximum EIRP is calculated from max output power and antenna gain, only the maximum EIRP of antenna 5 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)
20	**3560~3690**	0.1832	17M9G7D	0.1503	17M9W7D

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

1.5 Testing Site

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

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

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

1.6 Test Software

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

1.7 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

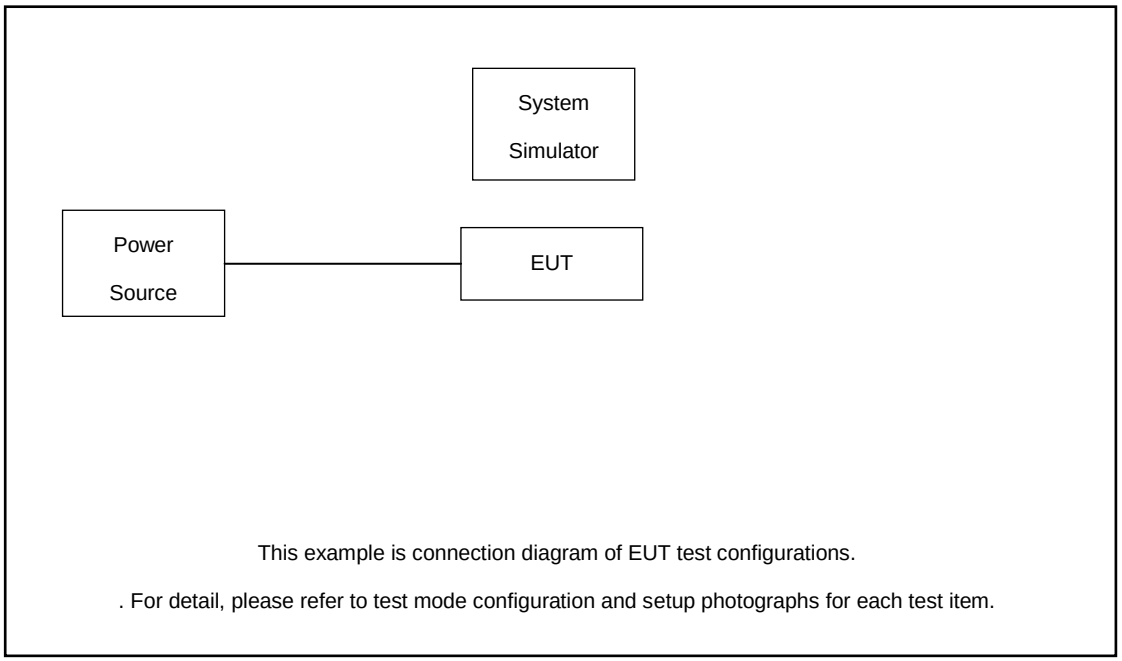
2.1 Test Mode

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		
		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
26dB and 99% Bandwidth	48	-	-				v	v	v					v		v	
Conducted Band Edge	48	-	-	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
ACLR	48	-	-	v	v	v	v	v	v	v		v		v	v	v	v
E.I.R.P.	48	-	-	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	
Remark	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. All the radiated test cases were performed with Adapter and Earphone.																

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 and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 9.5 dB and 10dB attenuator.

Example :

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

= 9.5 + 10 = 19.5 (dB)

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

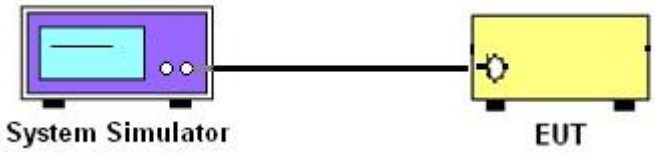
3 Conducted Test Items

3.1 Measuring Instruments

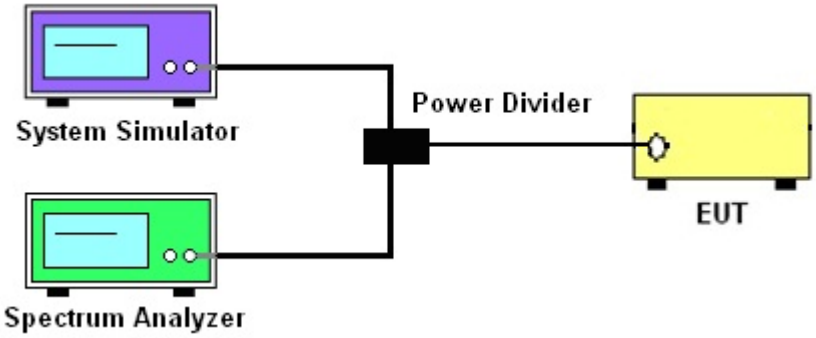
See list of measuring instruments of this test report.

3.2 Test Setup

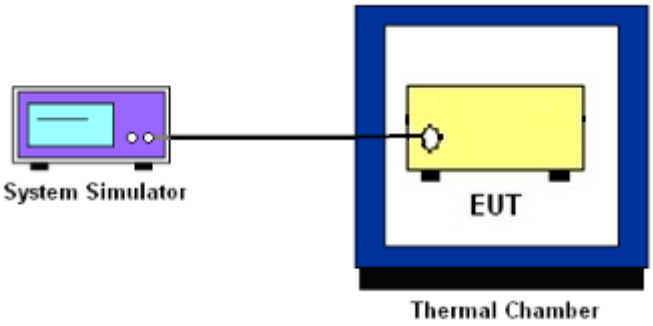
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.2.4 Test Result of Conducted Test

Please refer to Appendix A.

3.3 Conducted Output Power

3.3.1 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.

3.3.2 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.

3.4 EIRP

3.4.1 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
☐	**Category A CBSD**	30	20
☐	**Category B CBSD**	47	37

Note: the test report only show total channel power results, as the total channel power is less than the EIRP limit/10MHz, thus any 10MHz power will also comply with the EIRP/10MHz limit.

3.4.2 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)

   EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

   L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.5 Occupied Bandwidth

3.5.1 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.

3.5.2 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.

3.6 Conducted Band Edge

3.6.1 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 −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 band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 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.

3.7 Conducted Spurious Emission

3.7.1 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.

3.7.2 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.

3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

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

3.8.2 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.

3.8.3 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±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

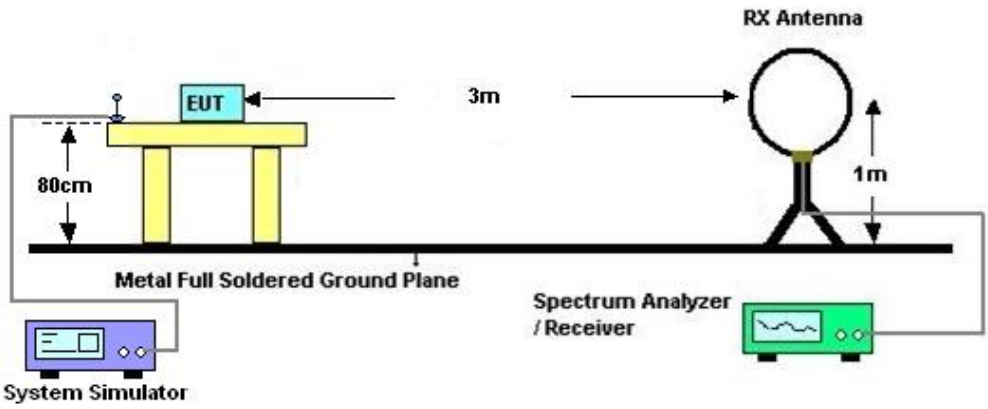
4 Radiated Test Items

4.1 Measuring Instruments

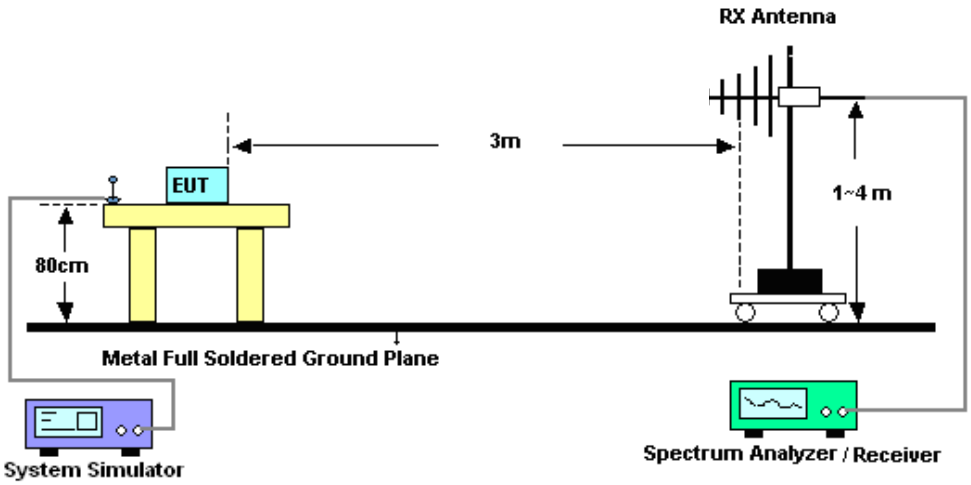
See list of measuring instruments of this test report.

4.2 Test Setup

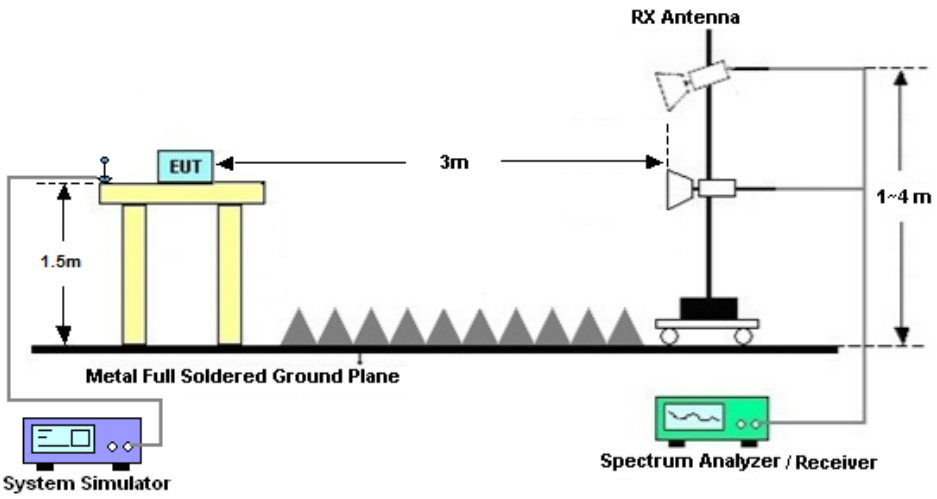
4.2.1 For radiated test below 30MHz



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	101078	10Hz~40GHz	Apr. 06, 2023	May 25, 2023~ May 31, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	May 25, 2023~ May 31, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	May 25, 2023~ May 31, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 26, 2022	May 23, 2023	Dec. 25, 2023	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	May 23, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	May 23, 2023	Jul. 27, 2024	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Sep. 28, 2022	May 23, 2023	Sep. 27, 2023	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	May 23, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08, 2023	May 23, 2023	Apr. 07, 2024	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 04, 2023	May 23, 2023	Apr. 03, 2024	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	May 23, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022	May 23, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	May 23, 2023	Jul. 05, 2023	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	Nov. 10, 2022	May 23, 2023	Nov. 09, 2023	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 23, 2023	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 23, 2023	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.53dB

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

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

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Jason Zhang	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power)

LTE Band 48_Ant.5:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				55340	55990	56640
Frequency (MHz)				3560	3625	3690
20	QPSK	1	0	20.36	20.26	20.09
20	QPSK	1	49	22.75	22.75	22.57
20	QPSK	1	99	20.35	20.28	20.10
20	QPSK	50	0	23.30	23.22	23.09
20	QPSK	50	24	23.15	23.16	23.01
20	QPSK	50	50	23.23	23.28	23.14
20	QPSK	100	0	20.24	20.21	20.07
20	16QAM	1	0	19.79	19.59	19.21
20	16QAM	1	49	21.95	22.05	22.19
20	16QAM	1	99	19.51	19.70	19.27
20	16QAM	50	0	22.43	22.35	22.05
20	16QAM	50	24	22.27	22.33	21.98
20	16QAM	50	50	22.29	22.44	22.11
20	16QAM	100	0	19.43	19.39	19.06
20	64QAM	1	0	18.34	18.37	19.12
20	64QAM	1	49	22.34	22.19	22.21
20	64QAM	1	99	18.44	18.39	18.39
20	64QAM	50	0	21.44	21.36	21.41
20	64QAM	50	24	21.40	21.32	21.29
20	64QAM	50	50	21.45	21.36	21.40
20	64QAM	100	0	18.47	18.34	18.33
20	256QAM	1	0	15.43	15.35	15.32
20	256QAM	1	49	19.24	19.15	19.19
20	256QAM	1	99	15.42	15.37	15.35
20	256QAM	50	0	19.57	19.43	19.41
20	256QAM	50	24	19.48	19.38	19.34
20	256QAM	50	50	19.54	19.40	19.43
20	256QAM	100	0	16.56	16.37	16.55
Channel				55315	55990	56665
Frequency (MHz)				3557.5	3625	3692.5
15	QPSK	1	0	20.35	20.27	20.03
15	QPSK	1	37	22.67	22.73	22.48
15	QPSK	1	74	20.21	20.26	20.05
15	QPSK	36	0	23.19	23.12	22.97
15	QPSK	36	20	23.08	23.11	22.93

15	QPSK	36	39	23.09	23.12	23.04
15	QPSK	75	0	21.12	21.15	21.02
15	16QAM	1	0	19.65	19.45	19.40
15	16QAM	1	37	22.08	22.07	21.86
15	16QAM	1	74	19.47	19.50	19.50
15	16QAM	36	0	22.16	22.08	22.00
15	16QAM	36	20	22.04	22.05	21.97
15	16QAM	36	39	22.07	22.14	22.04
15	16QAM	75	0	20.16	20.12	20.00
15	64QAM	1	0	18.21	18.10	18.06
15	64QAM	1	37	22.11	22.10	22.06
15	64QAM	1	74	18.45	18.41	18.40
15	64QAM	36	0	21.55	21.50	21.48
15	64QAM	36	20	21.49	21.43	21.41
15	64QAM	36	39	21.52	21.45	21.42
15	64QAM	75	0	19.21	19.15	19.11
15	256QAM	1	0	15.26	15.20	15.12
15	256QAM	1	37	19.06	19.09	19.03
15	256QAM	1	74	15.58	15.55	15.48
15	256QAM	36	0	19.53	19.53	19.46
15	256QAM	36	20	19.48	19.43	19.39
15	256QAM	36	39	19.59	19.53	19.45
15	256QAM	75	0	17.32	17.21	17.16
Channel				55290	55990	56690
Frequency (MHz)				3555	3625	3695
10	QPSK	1	0	22.76	22.66	22.51
10	QPSK	1	25	22.71	22.69	22.52
10	QPSK	1	49	22.62	22.71	22.52
10	QPSK	25	0	23.18	23.12	23.04
10	QPSK	25	12	23.12	23.14	22.98
10	QPSK	25	25	23.11	23.13	23.04
10	QPSK	50	0	23.16	23.15	23.08
10	16QAM	1	0	22.11	22.00	22.00
10	16QAM	1	25	22.10	22.04	21.90
10	16QAM	1	49	22.00	22.07	21.90
10	16QAM	25	0	22.28	22.31	22.10
10	16QAM	25	12	22.31	22.21	22.15
10	16QAM	25	25	22.21	22.31	22.10
10	16QAM	50	0	22.31	22.29	22.20
10	64QAM	1	0	22.12	22.00	22.03
10	64QAM	1	25	22.15	22.10	22.06
10	64QAM	1	49	22.16	22.11	22.05
10	64QAM	25	0	21.48	21.41	21.33
10	64QAM	25	12	21.43	21.35	21.26
10	64QAM	25	25	21.53	21.45	21.40
10	64QAM	50	0	21.30	21.08	21.23
10	256QAM	1	0	19.05	19.04	19.00
10	256QAM	1	25	19.44	19.42	19.36
10	256QAM	1	49	19.46	19.36	19.30
10	256QAM	25	0	19.32	19.28	19.16

10	256QAM	25	12	19.53	19.48	19.35
10	256QAM	25	25	19.58	19.52	19.45
10	256QAM	50	0	19.38	19.30	19.20
Channel				55265	55990	56715
Frequency (MHz)				3552.5	3625	3697.5
5	QPSK	1	0	23.05	22.95	22.49
5	QPSK	1	12	23.10	23.07	22.35
5	QPSK	1	24	23.10	23.08	22.39
5	QPSK	12	0	23.44	23.36	22.93
5	QPSK	12	7	23.40	23.43	22.89
5	QPSK	12	13	23.08	23.43	22.93
5	QPSK	25	0	23.11	23.45	22.98
5	16QAM	1	0	22.21	22.20	21.91
5	16QAM	1	12	22.23	22.07	21.91
5	16QAM	1	24	22.20	22.15	21.89
5	16QAM	12	0	22.26	22.10	22.01
5	16QAM	12	7	22.27	22.27	22.10
5	16QAM	12	13	22.24	22.32	22.07
5	16QAM	25	0	22.35	22.21	22.15
5	64QAM	1	0	22.36	22.30	22.21
5	64QAM	1	12	22.48	22.40	22.32
5	64QAM	1	24	22.49	22.42	22.35
5	64QAM	12	0	21.36	21.30	21.11
5	64QAM	12	7	21.38	21.32	21.20
5	64QAM	12	13	21.48	21.40	21.13
5	64QAM	25	0	21.46	21.44	21.23
5	256QAM	1	0	19.22	19.17	19.06
5	256QAM	1	12	19.29	19.23	19.12
5	256QAM	1	24	19.46	19.41	19.31
5	256QAM	12	0	19.54	19.50	19.36
5	256QAM	12	7	19.66	19.56	19.42
5	256QAM	12	13	19.68	19.62	19.51
5	256QAM	25	0	19.42	19.30	19.15

EIRP

Note: the test report only show total channel power results, as the total channel power is less than the EIRP limit/10MHz, thus any 10MHz power will also comply with the EIRP/10MHz limit.

LTE Band 48 (GT - LC = -0.67 dB) QPSK									
Bandwidth	**5M**			**10M**			**15M**		
Channel	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm/10MHz)	23.11	23.45	22.98	23.18	23.12	23.04	23.19	23.12	22.97
Conducted Power (Watts/10MHz)	0.2046	0.2213	0.1986	0.2080	0.2051	0.2014	0.2084	0.2051	0.1982
EIRP (dBm/10MHz)	22.44	22.78	22.31	22.51	22.45	22.37	22.52	22.45	22.30
EIRP (Watts/10MHz)	0.1754	0.1897	0.1702	0.1782	0.1758	0.1726	0.1786	0.1758	0.1698

LTE Band 48 (GT - LC = -0.67 dB) QPSK			
Bandwidth	**20M**		
Channel	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm/10MHz)	23.30	23.22	23.09
Conducted Power (Watts/10MHz)	0.2138	0.2099	0.2037
EIRP (dBm/10MHz)	22.63	22.55	22.42
EIRP (Watts/10MHz)	0.1832	0.1799	0.1746

LTE Band 48 (GT - LC = -0.67 dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm/10MHz)	22.35	22.21	22.15	22.28	22.31	22.10	22.16	22.08	22.00
Conducted Power (Watts/10MHz)	0.1718	0.1663	0.1641	0.1690	0.1702	0.1622	0.1644	0.1614	0.1585
EIRP (dBm/10MHz)	21.68	21.54	21.48	21.61	21.64	21.43	21.49	21.41	21.33
EIRP (Watts/10MHz)	0.1472	0.1426	0.1406	0.1449	0.1459	0.1390	0.1409	0.1384	0.1358

LTE Band 48 (GT - LC = -0.67 dB) 16QAM			
Bandwidth	20M		
Channel	(Low)	(Mid)	(High)
Conducted Power (dBm/10MHz)	22.29	22.44	22.11
Conducted Power (Watts/10MHz)	0.1694	0.1754	0.1626
EIRP (dBm/10MHz)	21.62	21.77	21.44
EIRP (Watts/10MHz)	0.1452	0.1503	0.1393

LTE Band 48 (GT - LC = -0.67 dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm/10MHz)	22.49	22.42	22.35	22.16	22.11	22.05	22.11	22.10	22.06
Conducted Power (Watts/10MHz)	0.1774	0.1746	0.1718	0.1644	0.1626	0.1603	0.1626	0.1622	0.1607
EIRP (dBm/10MHz)	21.82	21.75	21.68	21.49	21.44	21.38	21.44	21.43	21.39
EIRP (Watts/10MHz)	0.1521	0.1496	0.1472	0.1409	0.1393	0.1374	0.1393	0.1390	0.1377

LTE Band 48 (GT - LC = -0.67 dB) 64QAM			
Bandwidth	20M		
Channel	(Low)	(Mid)	(High)
Conducted Power (dBm/10MHz)	22.34	22.19	22.21
Conducted Power (Watts/10MHz)	0.1714	0.1656	0.1663
EIRP (dBm/10MHz)	21.67	21.52	21.54
EIRP (Watts/10MHz)	0.1469	0.1419	0.1426

LTE Band 48 (GT - LC = -0.67 dB) 256QAM									
Bandwidth	5M			10M			15M		
Channel	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm/10MHz)	19.68	19.62	19.51	19.58	19.52	19.45	19.59	19.53	19.45
Conducted Power (Watts/10MHz)	0.0929	0.0916	0.0893	0.0908	0.0895	0.0881	0.0910	0.0897	0.0881
EIRP (dBm/10MHz)	19.01	18.95	18.84	18.91	18.85	18.78	18.92	18.86	18.78
EIRP (Watts/10MHz)	0.0796	0.0785	0.0766	0.0778	0.0767	0.0755	0.0780	0.0769	0.0755

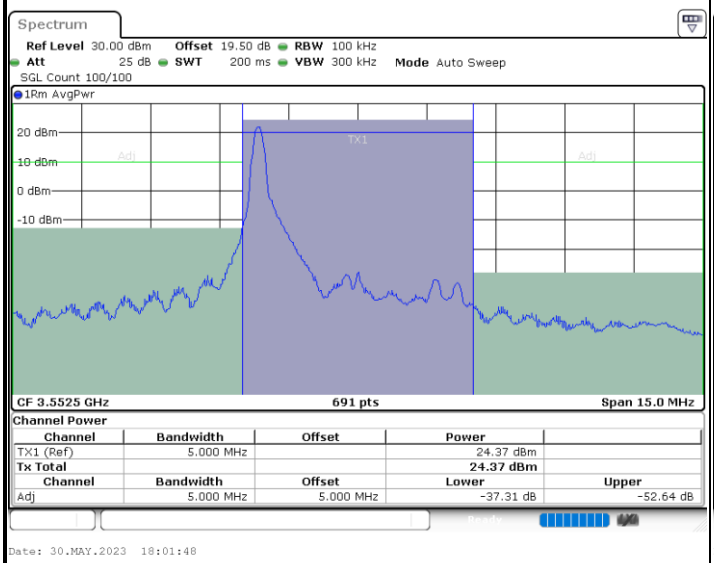
LTE Band 48 (GT - LC = -0.67 dB) 256QAM			
Bandwidth	20M		
Channel	(Low)	(Mid)	(High)
Conducted Power (dBm/10MHz)	19.57	19.43	19.41
Conducted Power (Watts/10MHz)	0.0906	0.0877	0.0873
EIRP (dBm/10MHz)	18.90	18.76	18.74
EIRP (Watts/10MHz)	0.0776	0.0752	0.0748

ACLR

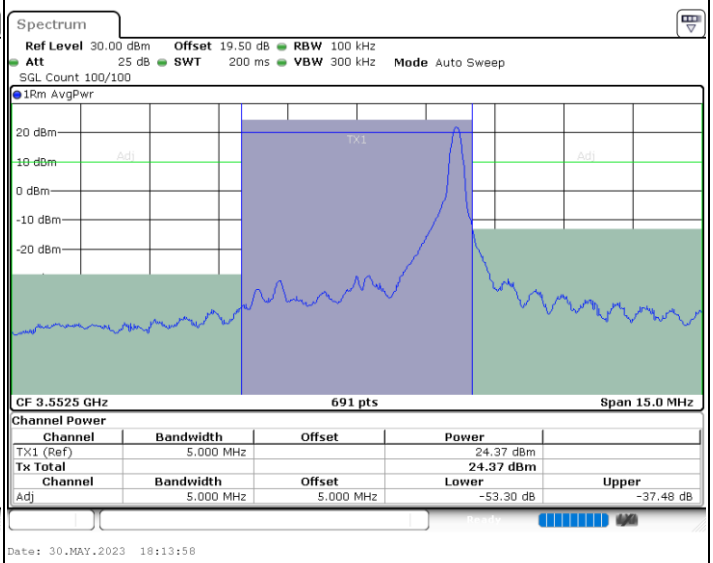
LTE Band 48 / 5MHz

QPSK

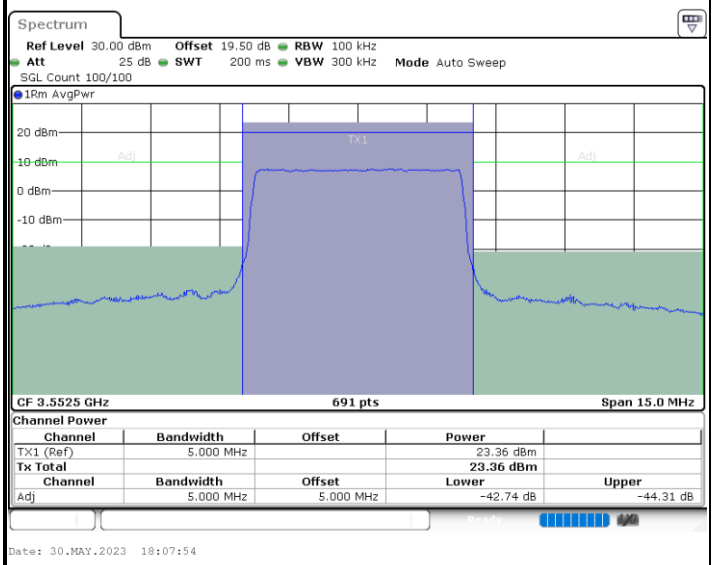
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

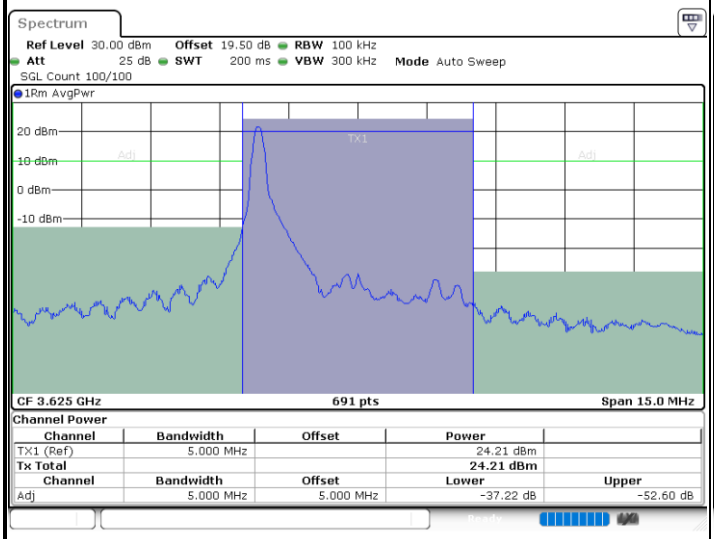


N/A

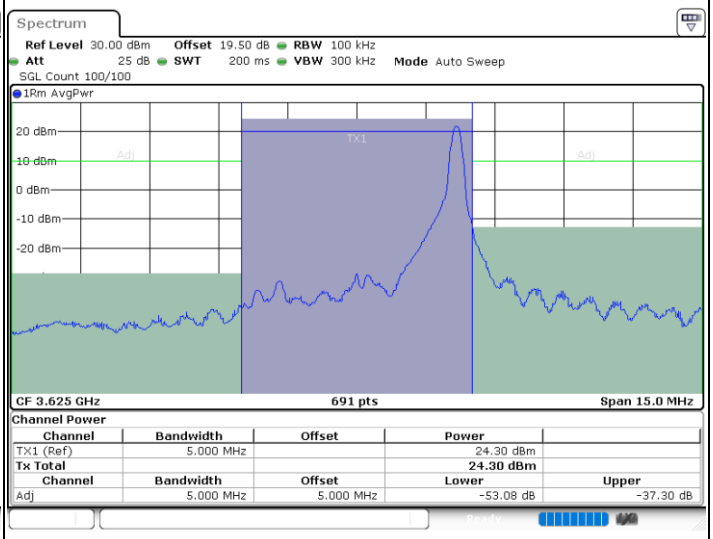
LTE Band 48 / 5MHz

QPSK

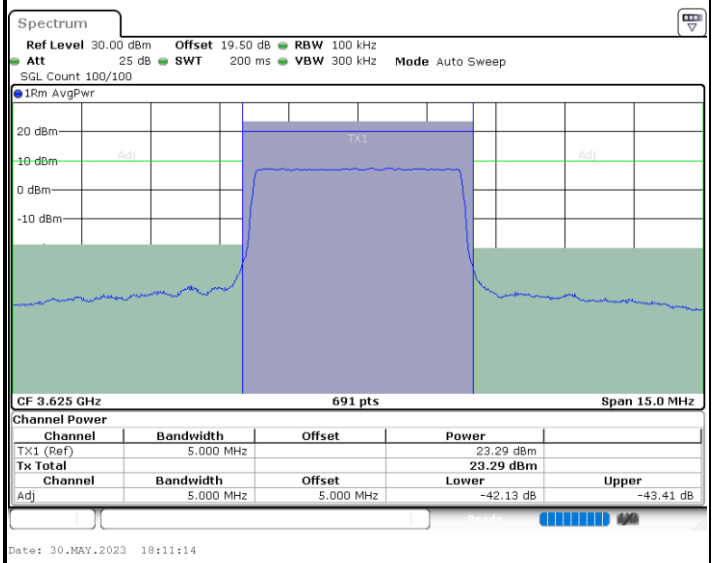
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

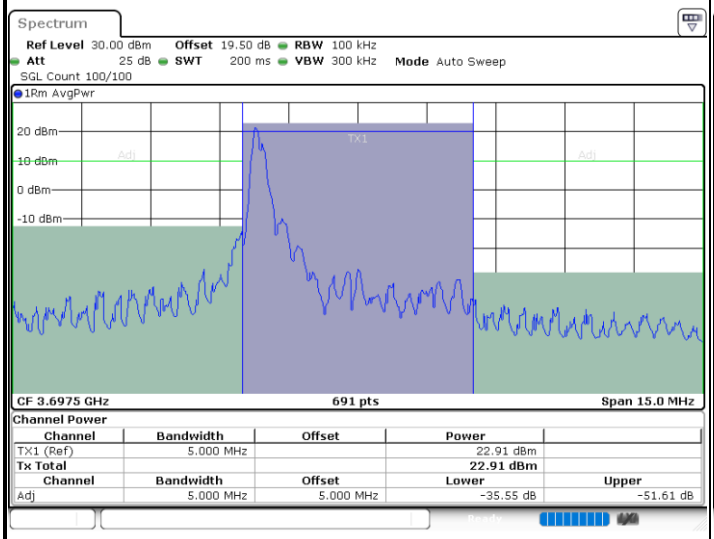


N/A

LTE Band 48 / 5MHz

QPSK

Highest Channel / 1RB0

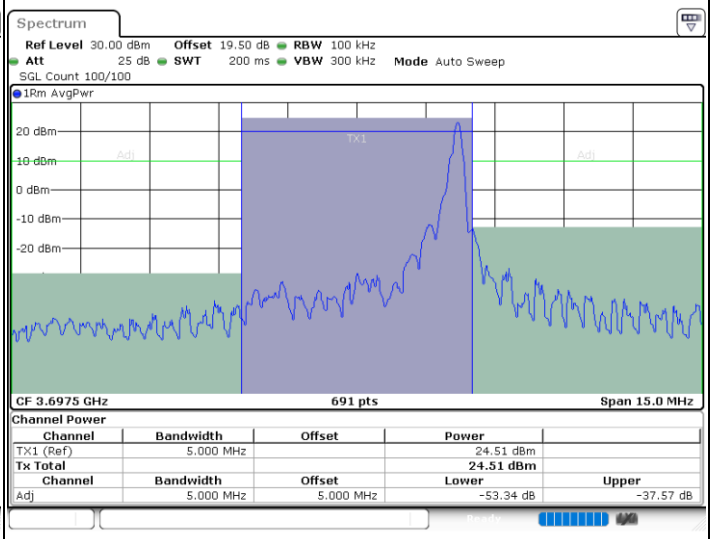


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	5.000 MHz		22.91 dBm	
Tx Total			22.91 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	5.000 MHz	5.000 MHz	-35.55 dB	-51.61 dB

Date: 30.MAY.2023 18:05:50

Highest Channel / 1RBmax

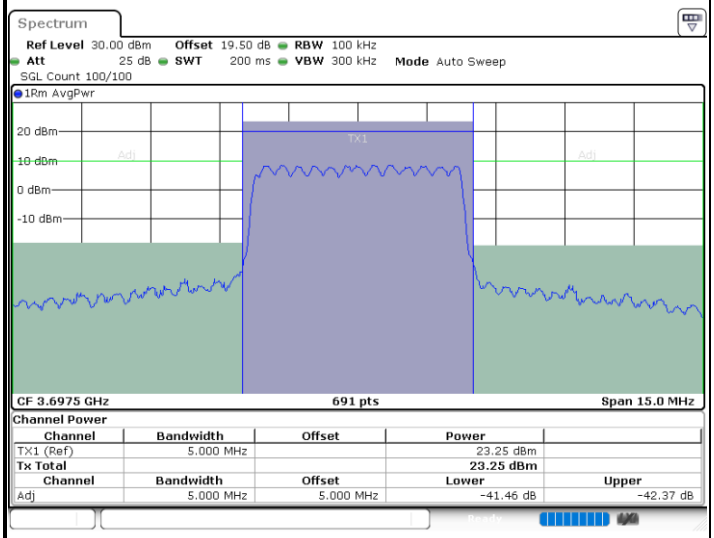


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	5.000 MHz		24.51 dBm	
Tx Total			24.51 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	5.000 MHz	5.000 MHz	-53.34 dB	-37.57 dB

Date: 30.MAY.2023 18:18:01

Highest Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	5.000 MHz		23.25 dBm	
Tx Total			23.25 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	5.000 MHz	5.000 MHz	-41.46 dB	-42.37 dB

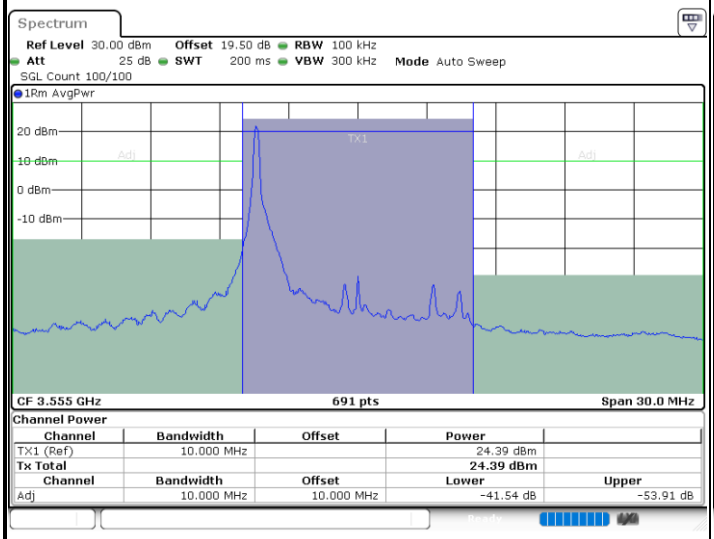
Date: 30.MAY.2023 18:11:55

N/A

LTE Band 48 / 10MHz

QPSK

Lowest Channel / 1RB0



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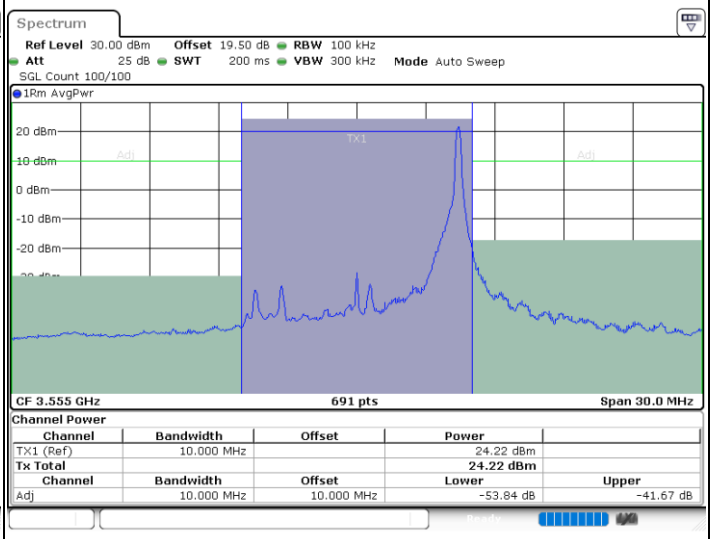
Lowest Channel / 1RBmax



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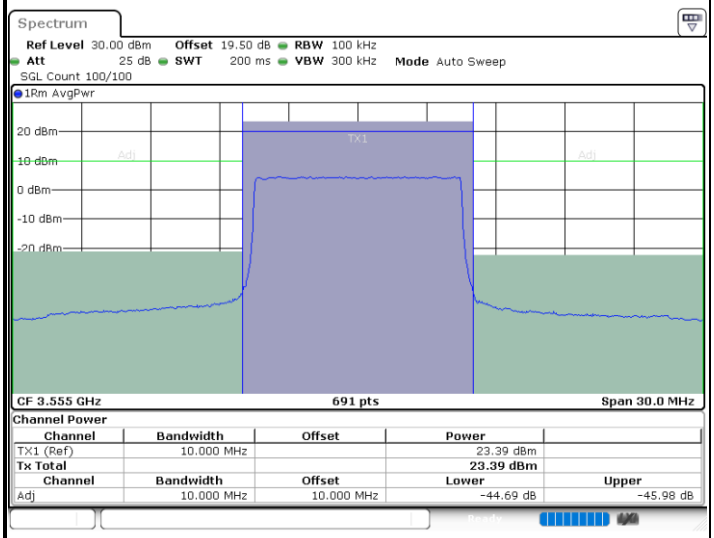
Lowest Channel / FullRB



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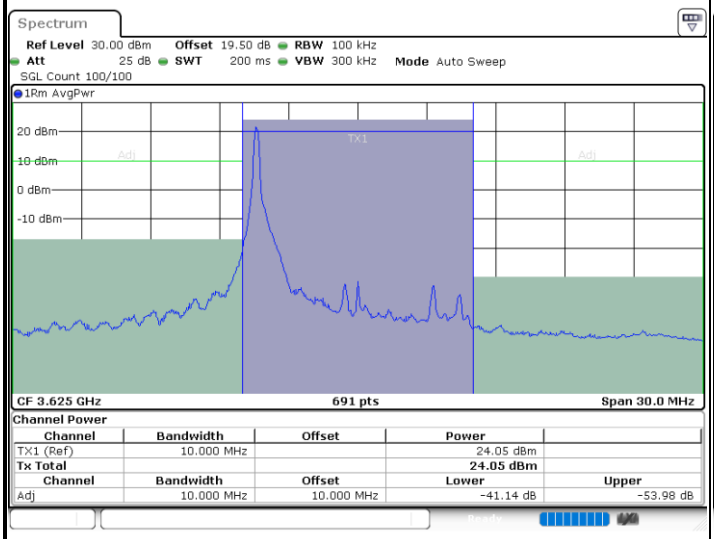
N/A

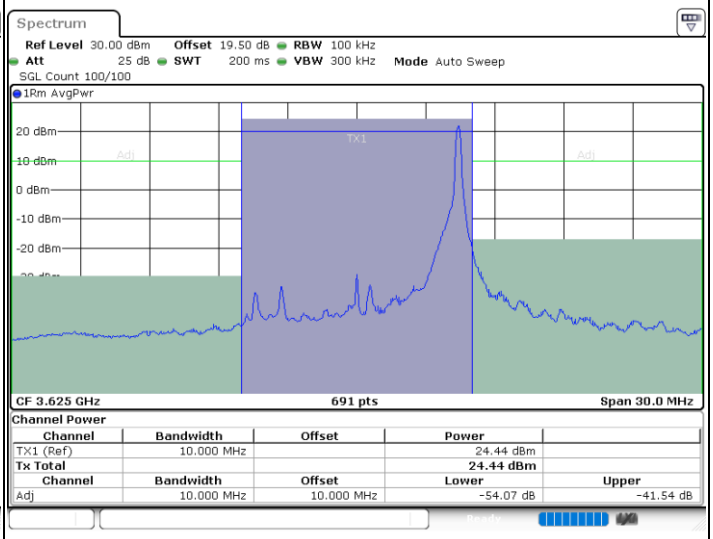
LTE Band 48 / 10MHz

QPSK

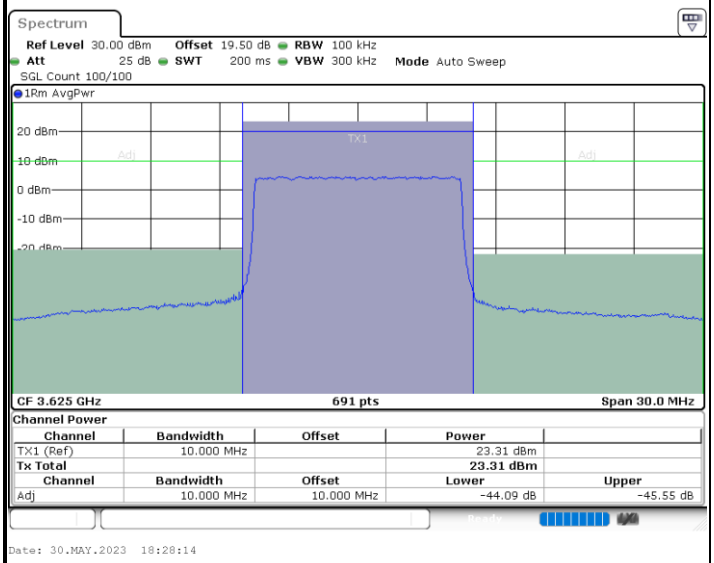
MiddleChannel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

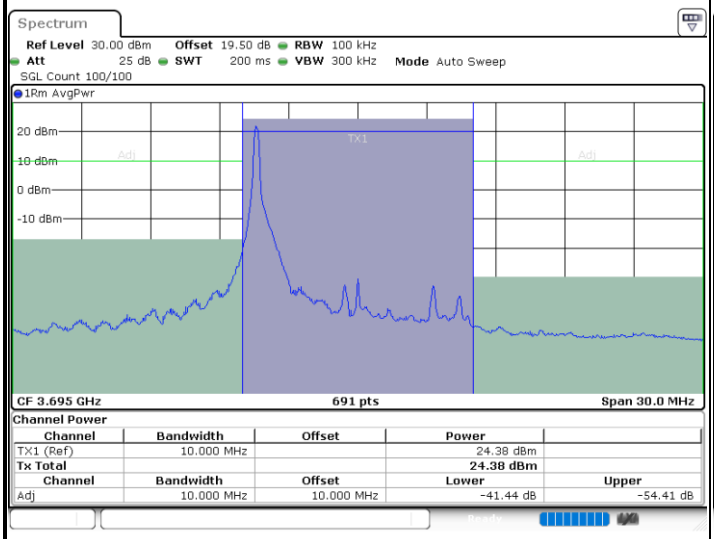


N/A

LTE Band 48 / 10MHz

QPSK

Highest Channel / 1RB0



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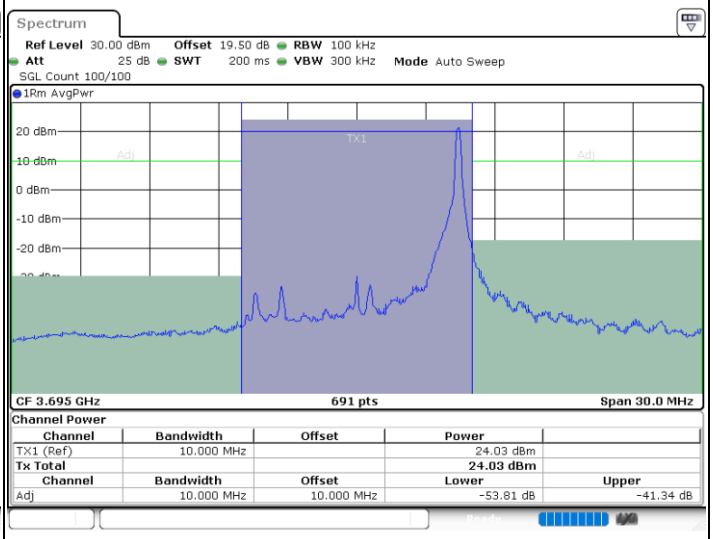
Highest Channel / 1RBmax



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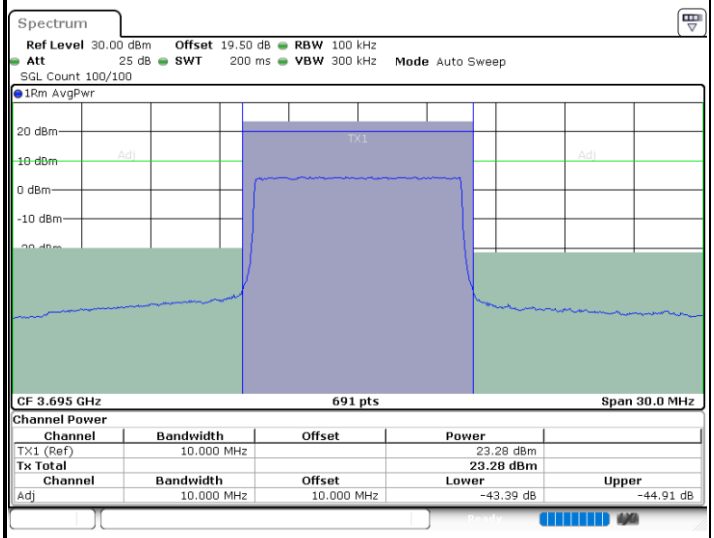
Highest Channel / FullRB



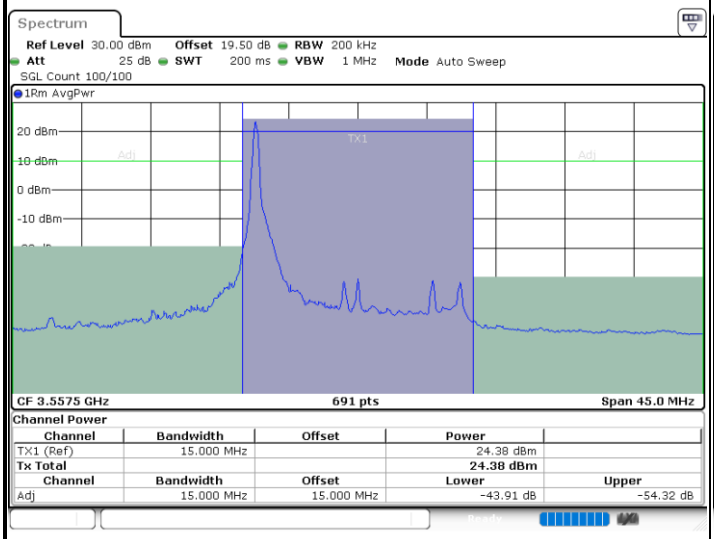
Date: 30.MAY.2023 18:31:38

N/A

LTE Band 48 / 15MHz

QPSK

Lowest Channel / 1RB0



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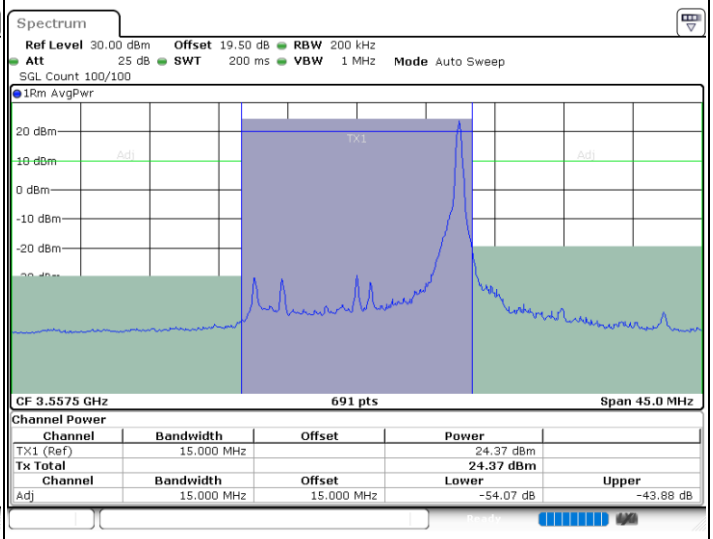
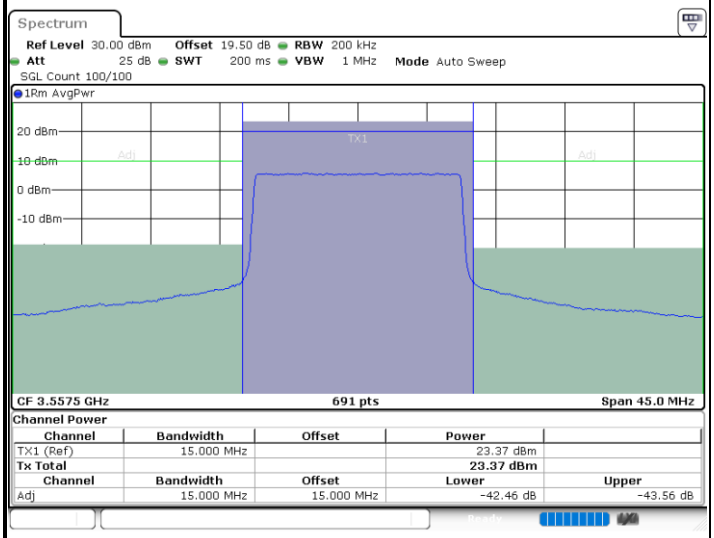
Lowest Channel / 1RBmax



Date: 30.MAY.2023 18:50:41

Lowest Channel / FullRB



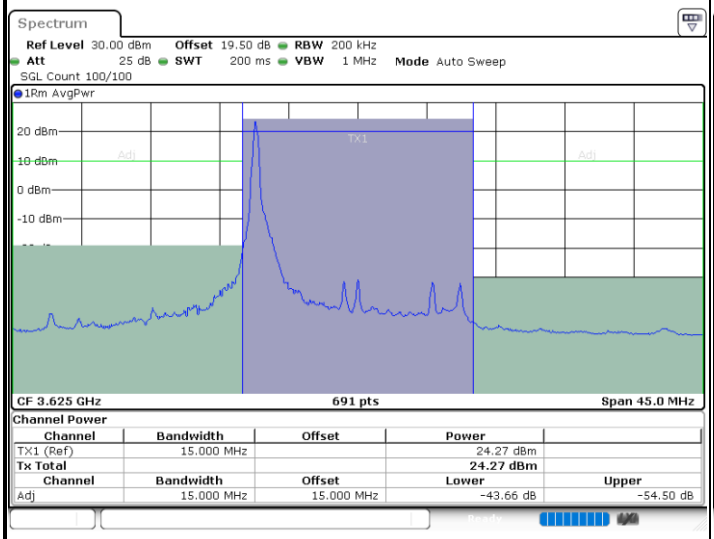
Date: 30.MAY.2023 18:44:34

N/A

LTE Band 48 / 15MHz

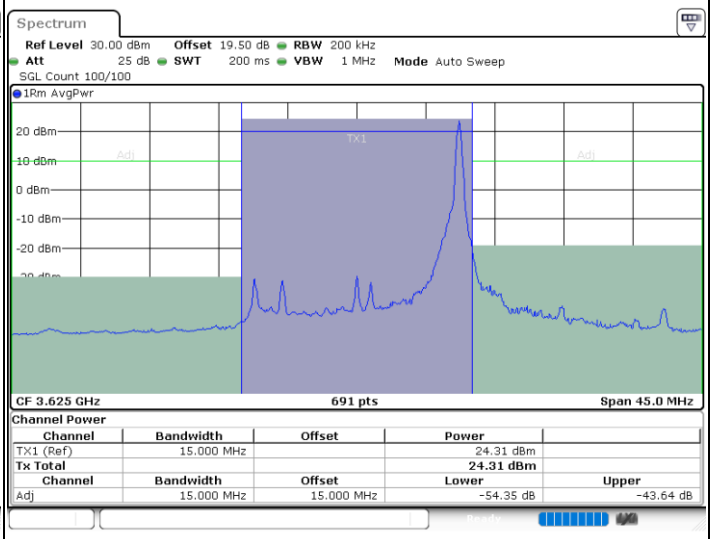
QPSK

Middle Channel / 1RB0



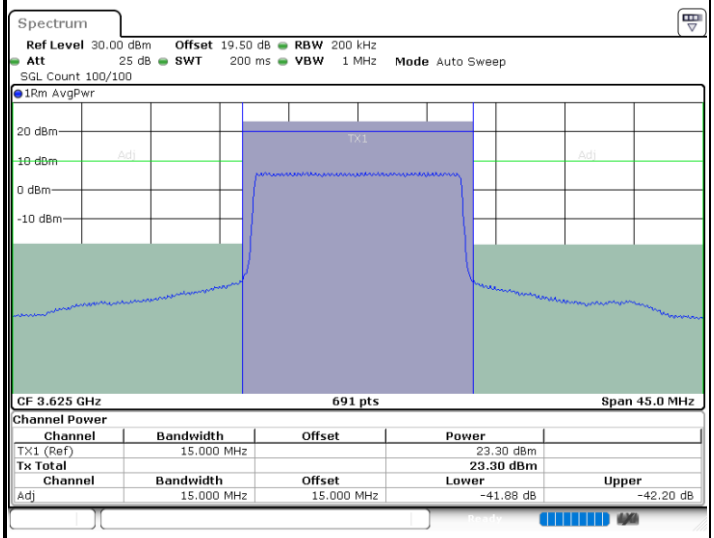
Date: 30.MAY.2023 18:41:49

Middle Channel / 1RBmax



Date: 30.MAY.2023 18:54:03

Middle Channel / FullRB



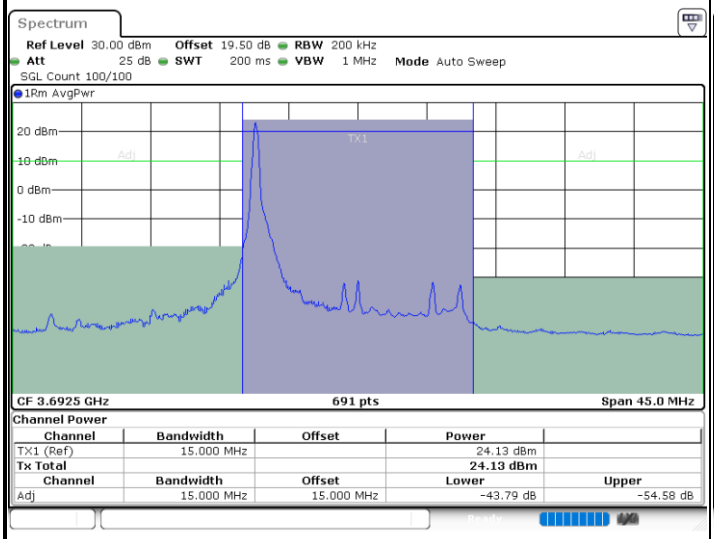
Date: 30.MAY.2023 18:47:56

N/A

LTE Band 48 / 15MHz

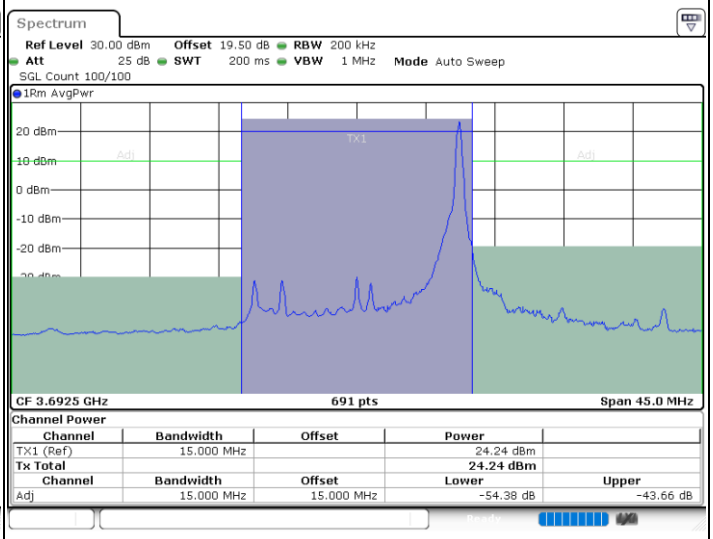
QPSK

Highest Channel / 1RB0



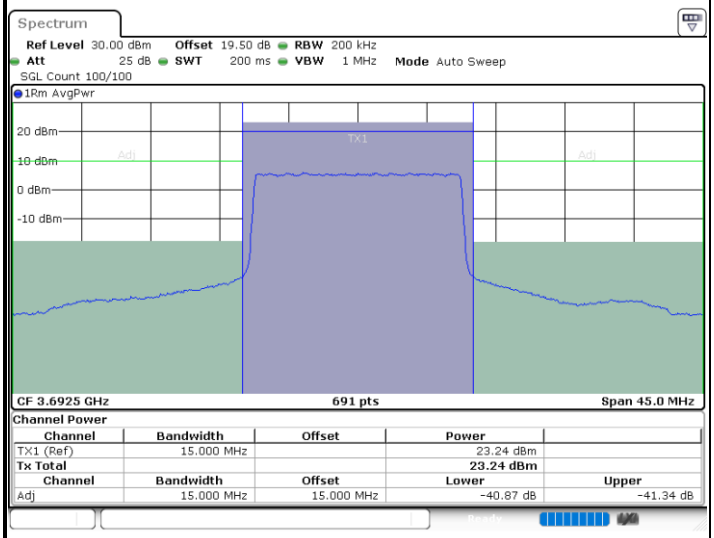
Date: 30.MAY.2023 18:42:30

Highest Channel / 1RBmax



Date: 30.MAY.2023 18:54:44

Highest Channel / FullRB



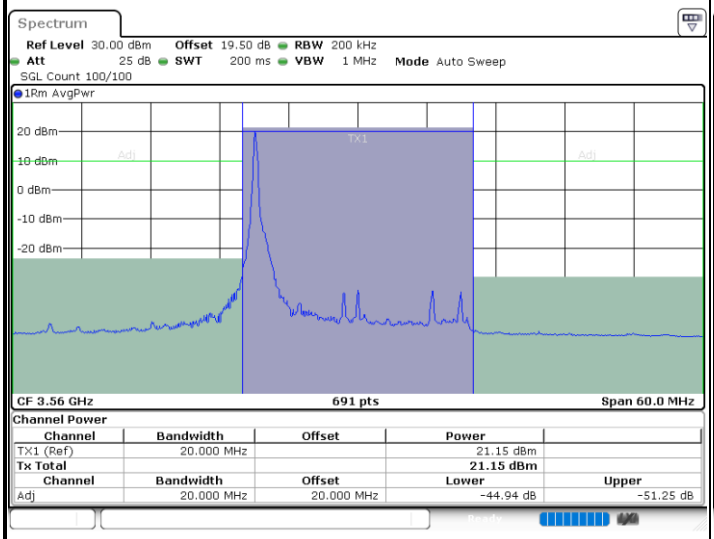
Date: 30.MAY.2023 18:48:37

N/A

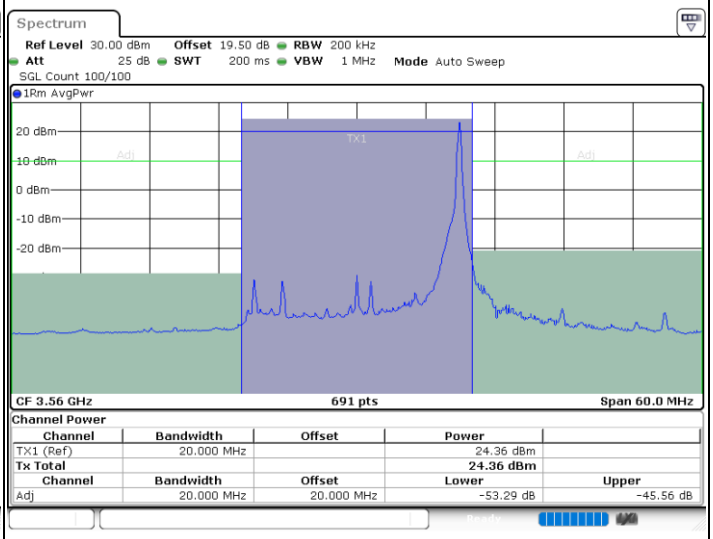
LTE Band 48 / 20MHz

QPSK

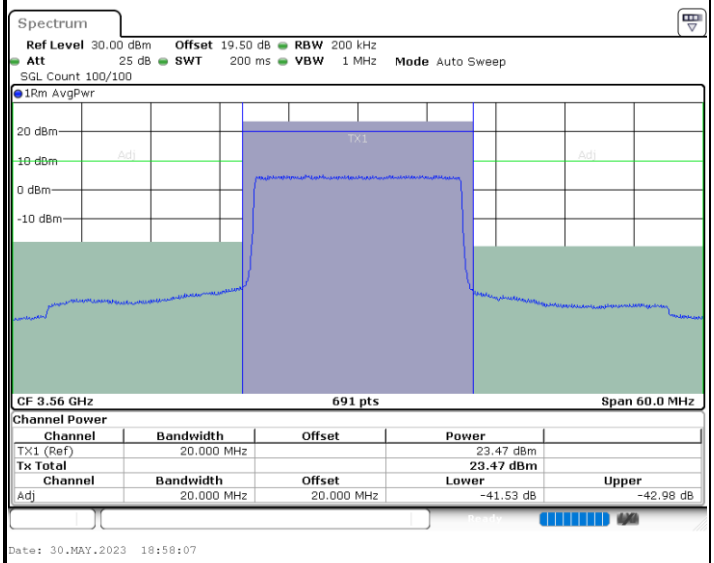
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

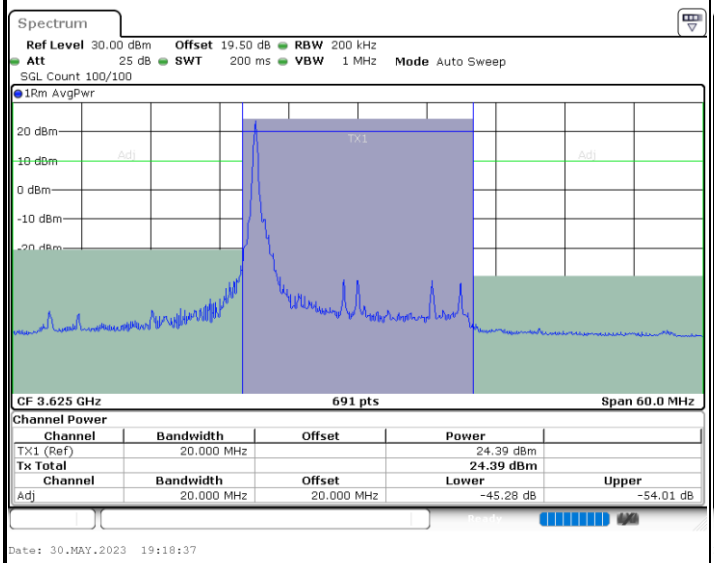


N/A

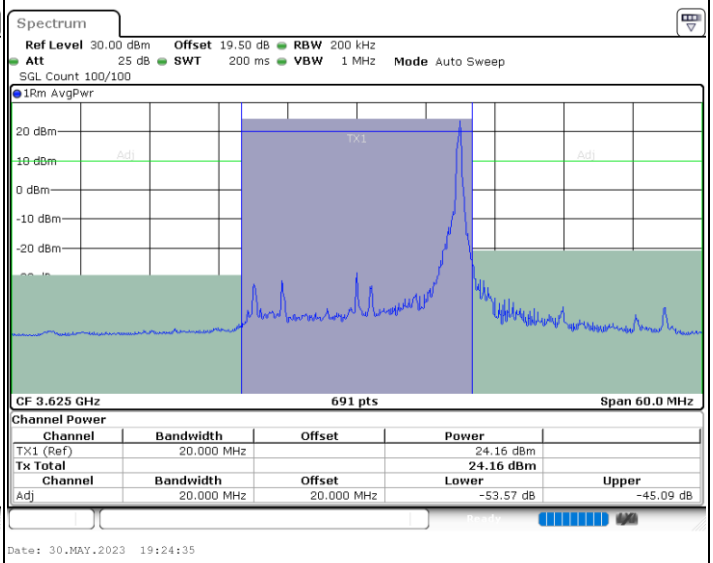
LTE Band 48 / 20MHz

QPSK

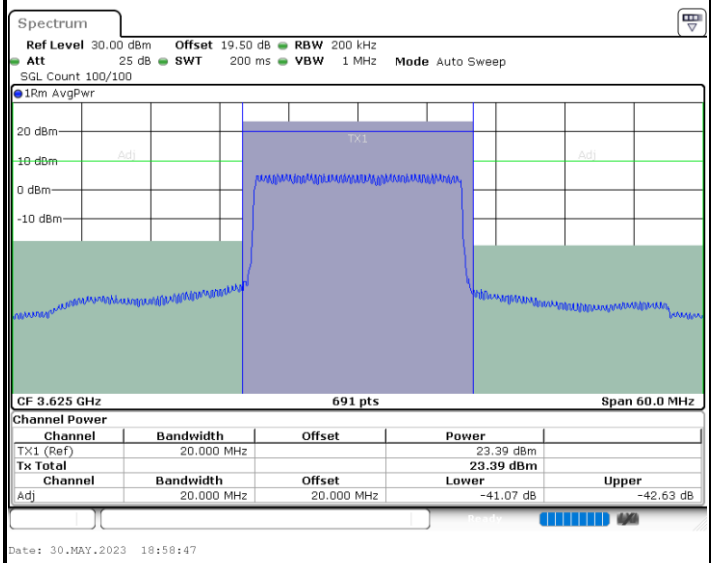
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

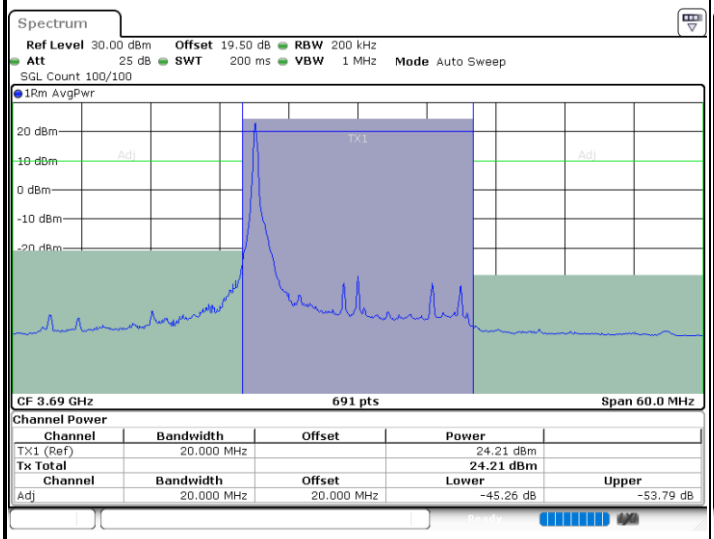


N/A

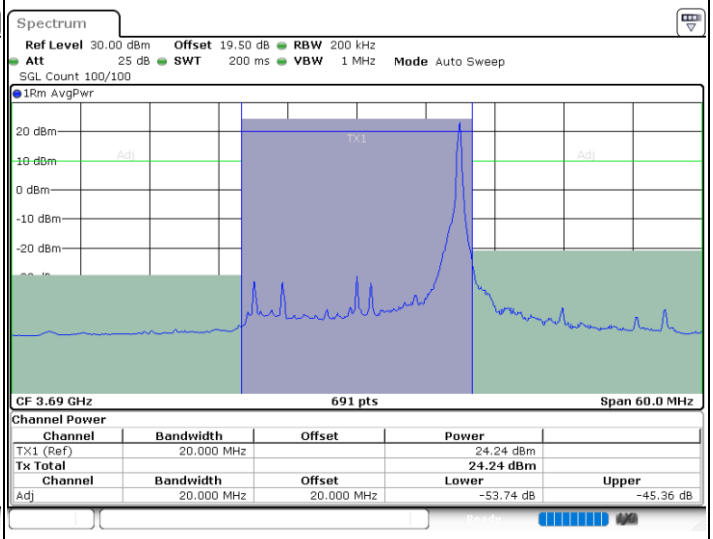
LTE Band 48 / 20MHz

QPSK

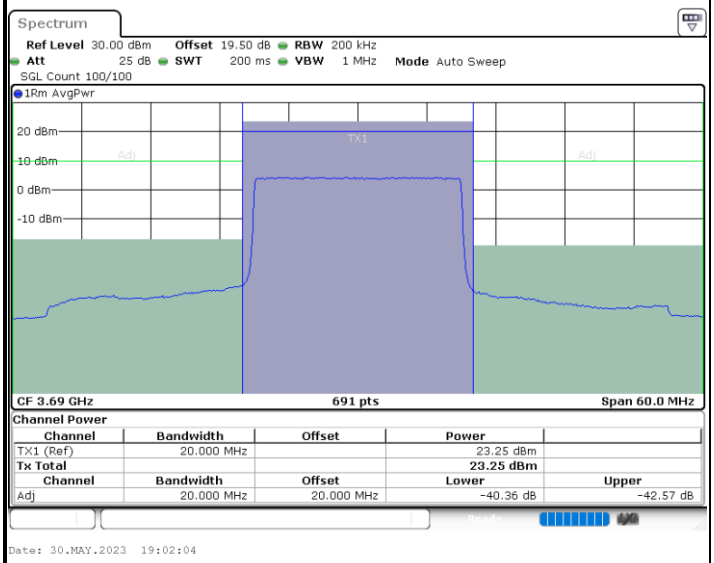
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

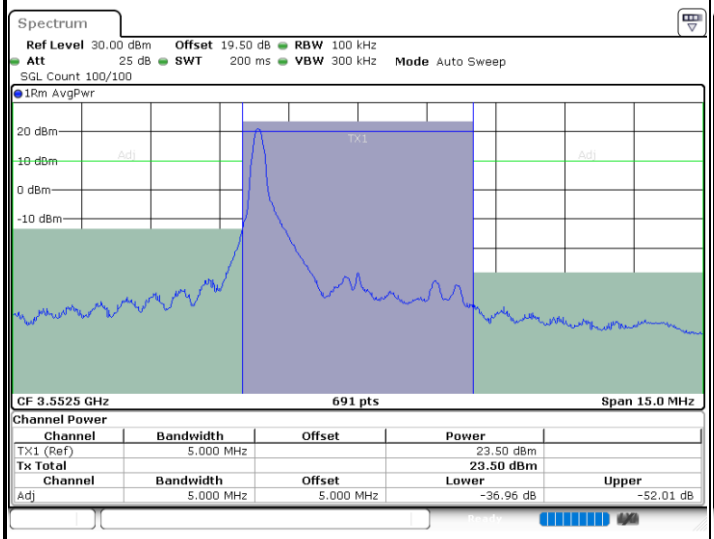


N/A

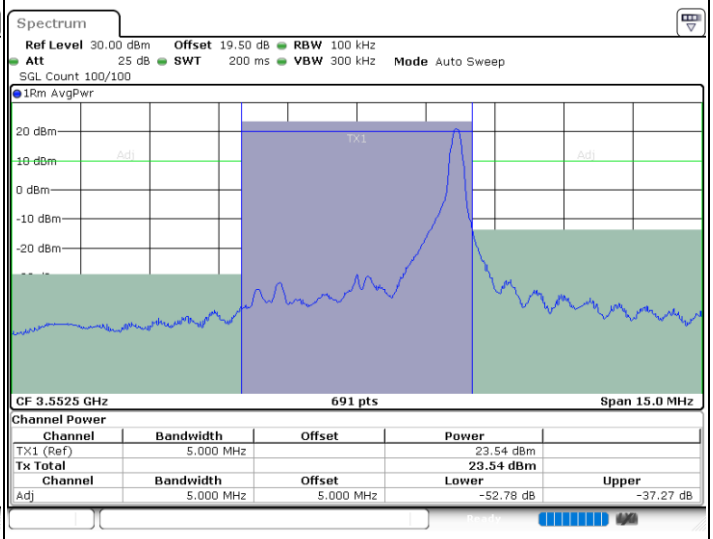
LTE Band 48 / 5MHz

16QAM

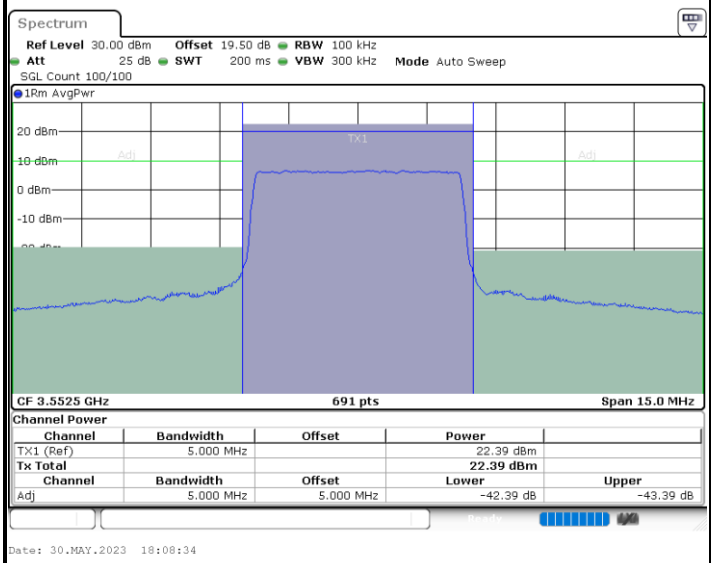
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

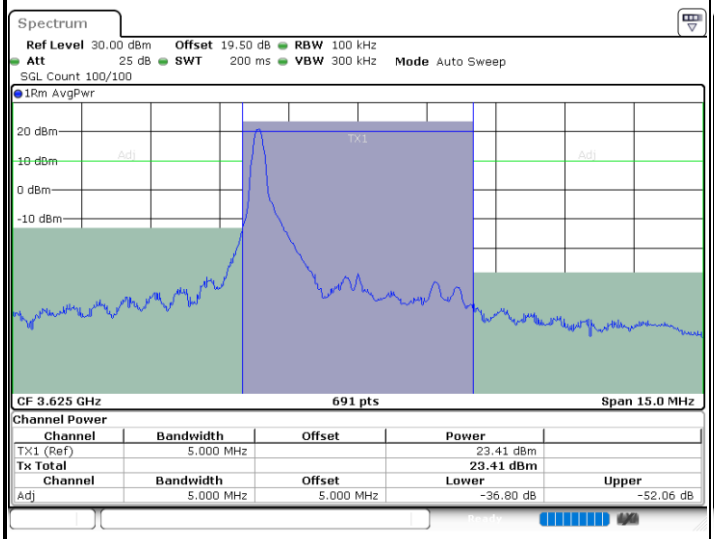


N/A

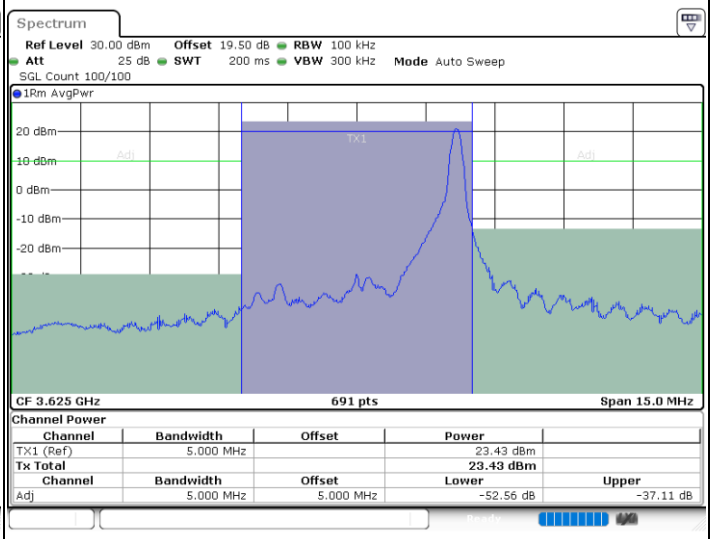
LTE Band 48 / 5MHz

16QAM

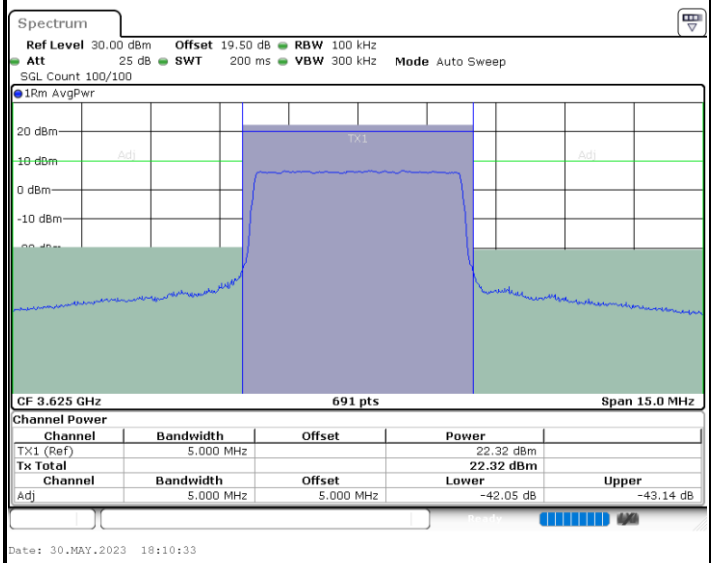
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

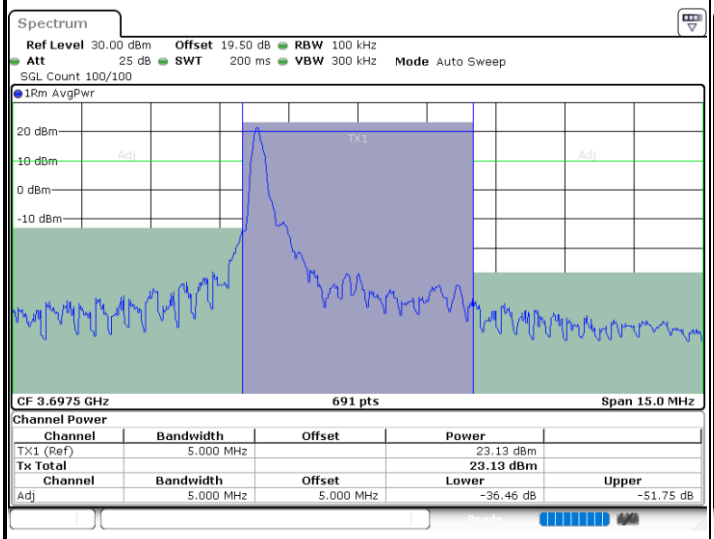


N/A

LTE Band 48 / 5MHz

16QAM

Highest Channel / 1RB0

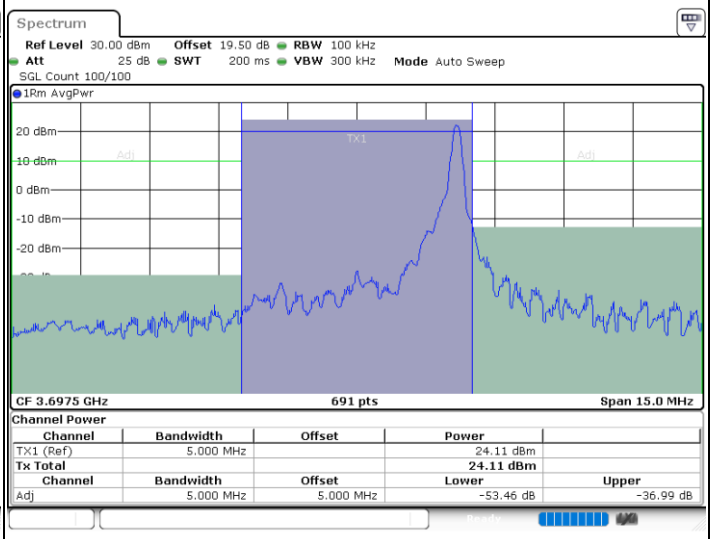


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	5.000 MHz		23.13 dBm	
Tx Total			23.13 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	5.000 MHz	5.000 MHz	-36.46 dB	-51.75 dB

Date: 30.MAY.2023 18:06:32

Highest Channel / 1RBmax

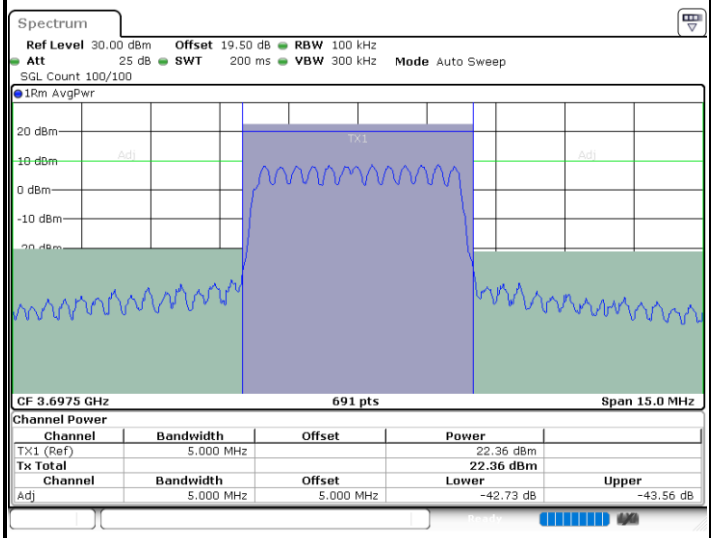


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	5.000 MHz		24.11 dBm	
Tx Total			24.11 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	5.000 MHz	5.000 MHz	-53.46 dB	-36.99 dB

Date: 30.MAY.2023 18:18:43

Highest Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	5.000 MHz		22.36 dBm	
Tx Total			22.36 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	5.000 MHz	5.000 MHz	-42.73 dB	-43.56 dB

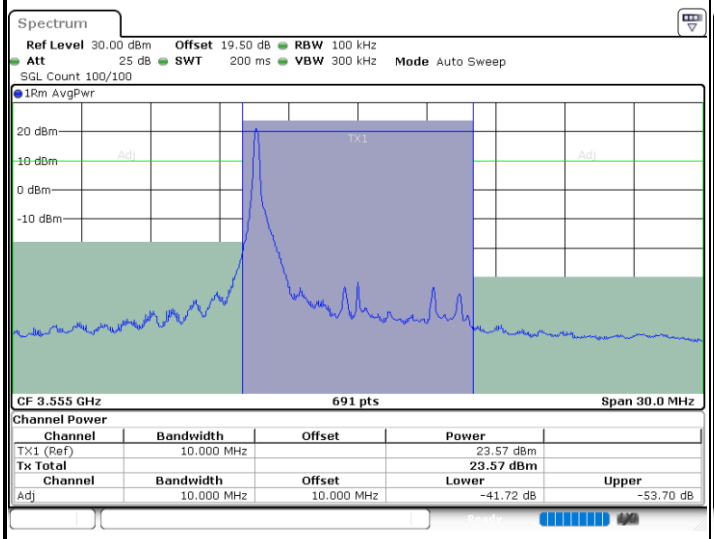
Date: 30.MAY.2023 18:12:36

N/A

LTE Band 48 / 10MHz

16QAM

Lowest Channel / 1RB0

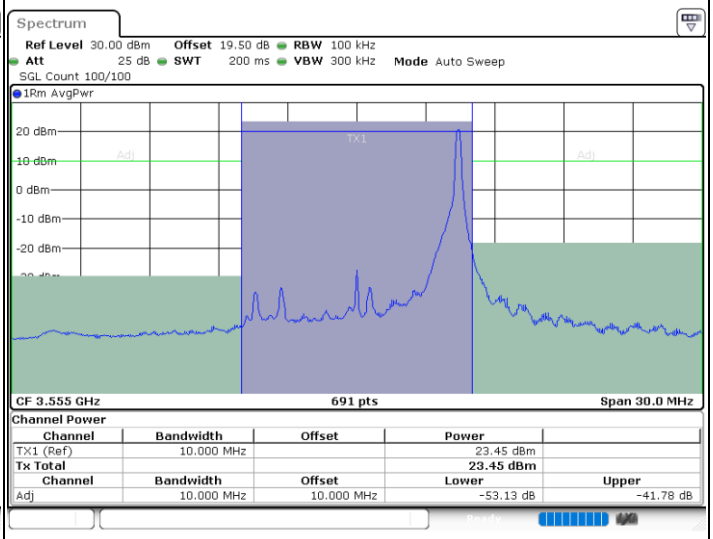


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		23.57 dBm	
Tx Total			23.57 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-41.72 dB	-53.70 dB

Date: 30.MAY.2023 18:20:46

Lowest Channel / 1RBmax

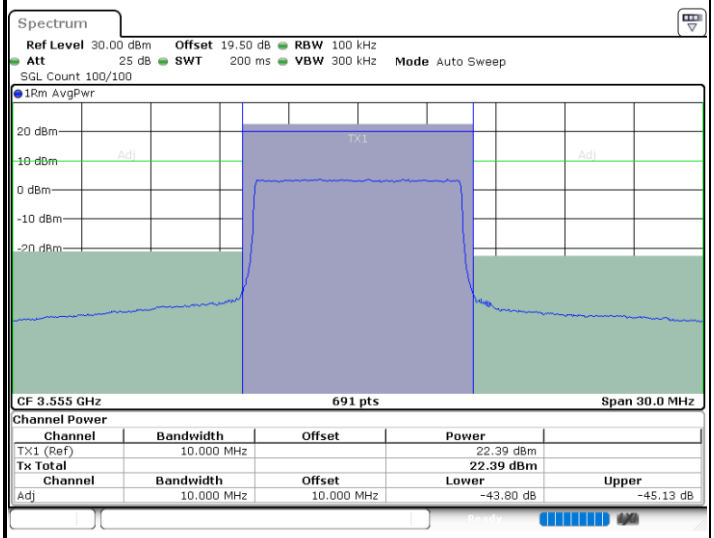


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		23.45 dBm	
Tx Total			23.45 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-53.13 dB	-41.78 dB

Date: 30.MAY.2023 18:33:00

Lowest Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		22.39 dBm	
Tx Total			22.39 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-43.80 dB	-45.13 dB

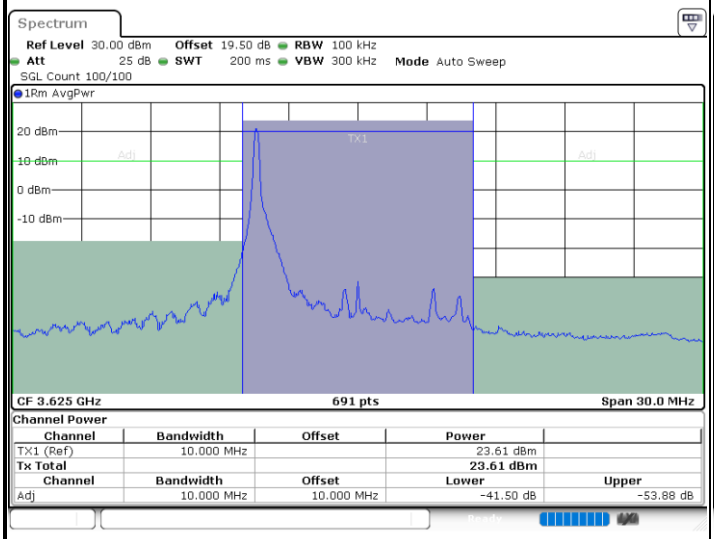
Date: 30.MAY.2023 18:26:53

N/A

LTE Band 48 / 10MHz

16QAM

MiddleChannel / 1RB0

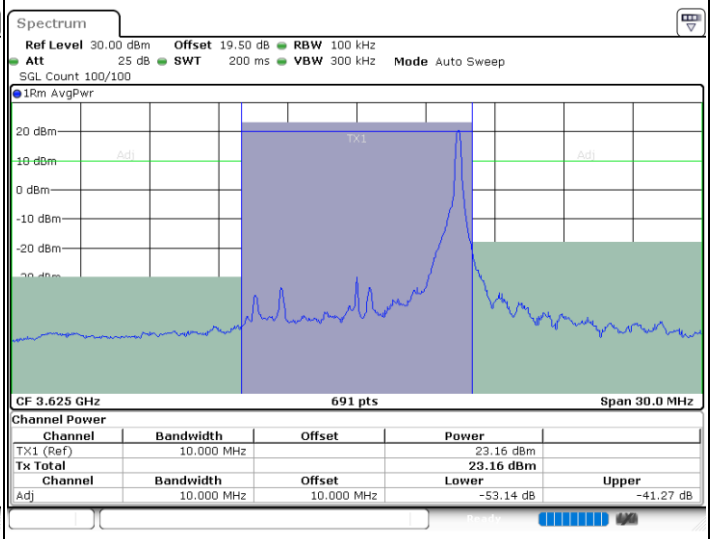


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		23.61 dBm	
Tx Total			23.61 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-41.50 dB	-53.88 dB

Date: 30.MAY.2023 18:22:48

Middle Channel / 1RBmax

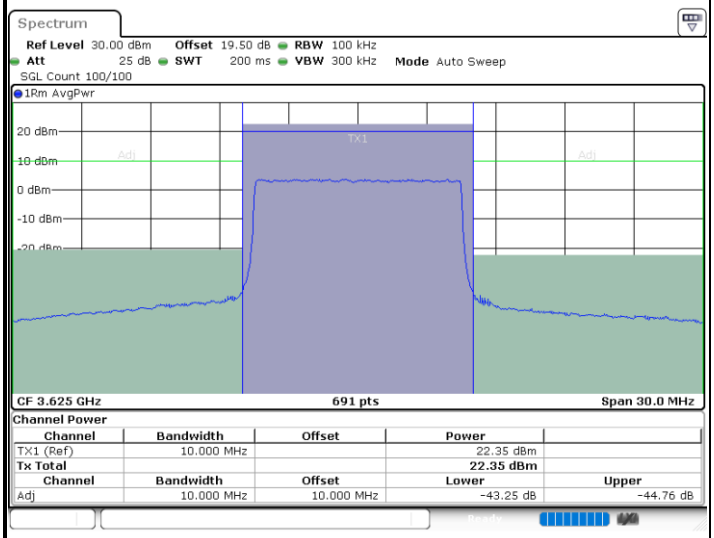


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		23.16 dBm	
Tx Total			23.16 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-53.14 dB	-41.27 dB

Date: 30.MAY.2023 18:35:01

Middle Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		22.35 dBm	
Tx Total			22.35 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-43.25 dB	-44.76 dB

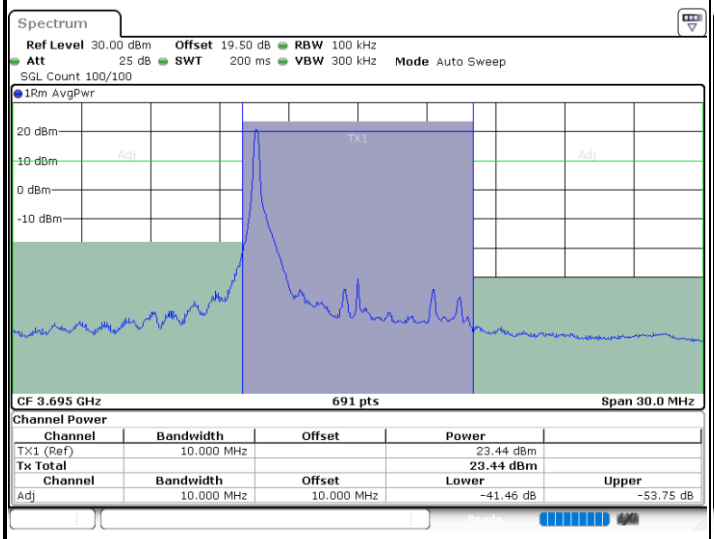
Date: 30.MAY.2023 18:28:54

N/A

LTE Band 48 / 10MHz

16QAM

Highest Channel / 1RB0

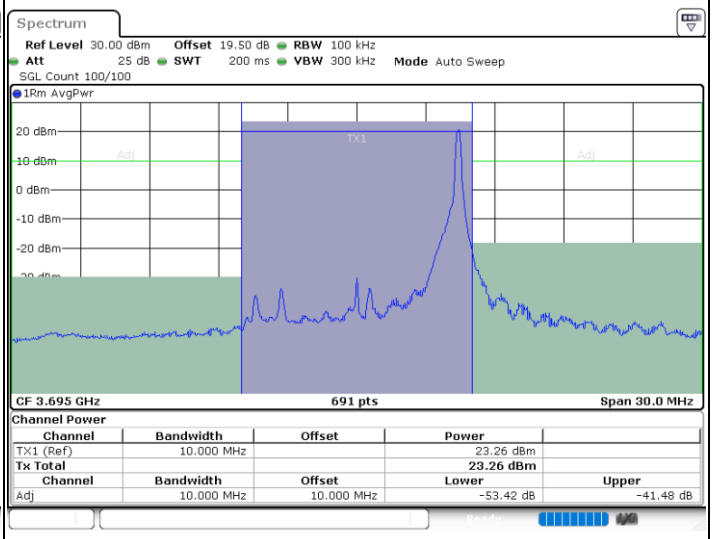


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		23.44 dBm	
Tx Total			23.44 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-41.46 dB	-53.75 dB

Date: 30.MAY.2023 18:24:50

Highest Channel / 1RBmax

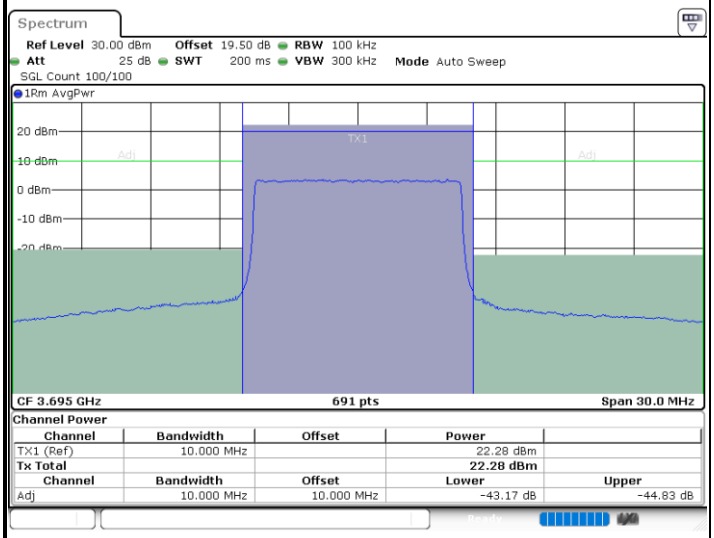


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		23.26 dBm	
Tx Total			23.26 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-53.42 dB	-41.48 dB

Date: 30.MAY.2023 18:37:03

Highest Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		22.28 dBm	
Tx Total			22.28 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-43.17 dB	-44.83 dB

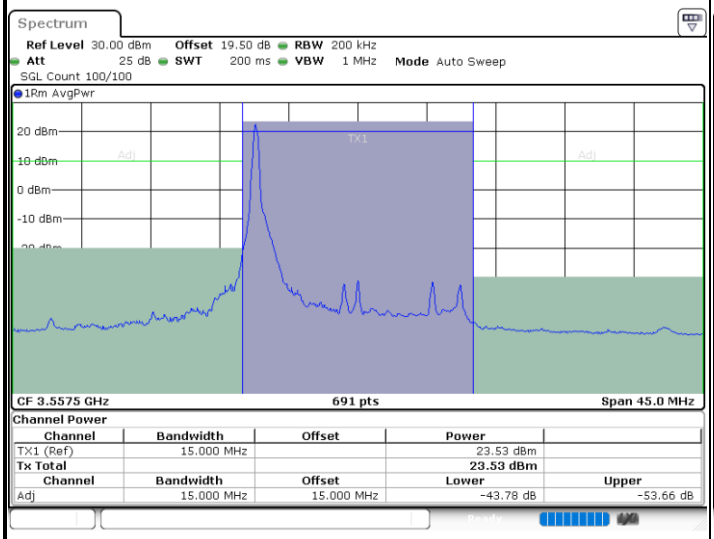
Date: 30.MAY.2023 18:30:57

N/A

LTE Band 48 / 15MHz

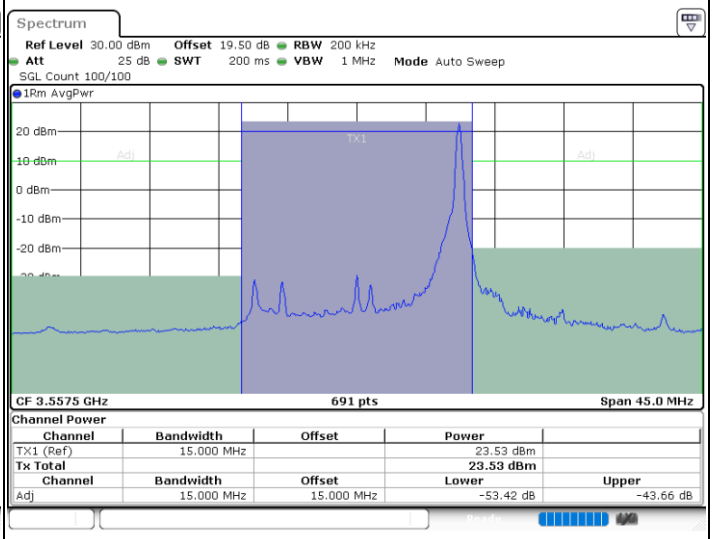
16QAM

Lowest Channel / 1RB0



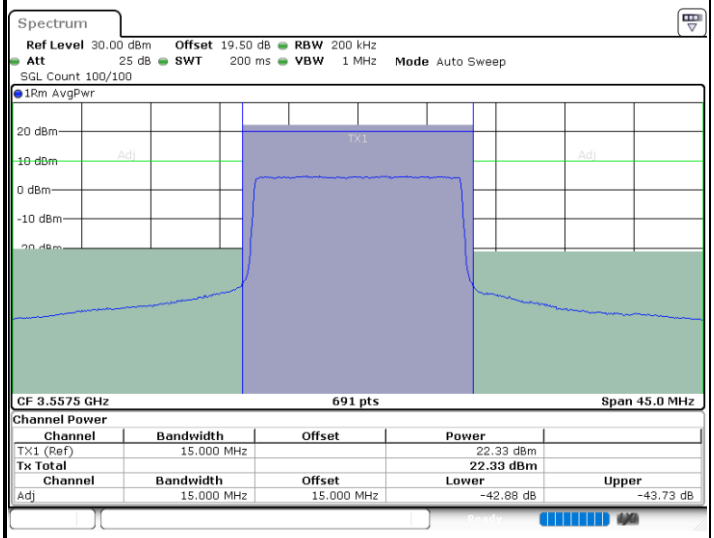
Date: 30.MAY.2023 18:39:07

Lowest Channel / 1RBmax



Date: 30.MAY.2023 18:51:22

Lowest Channel / FullRB



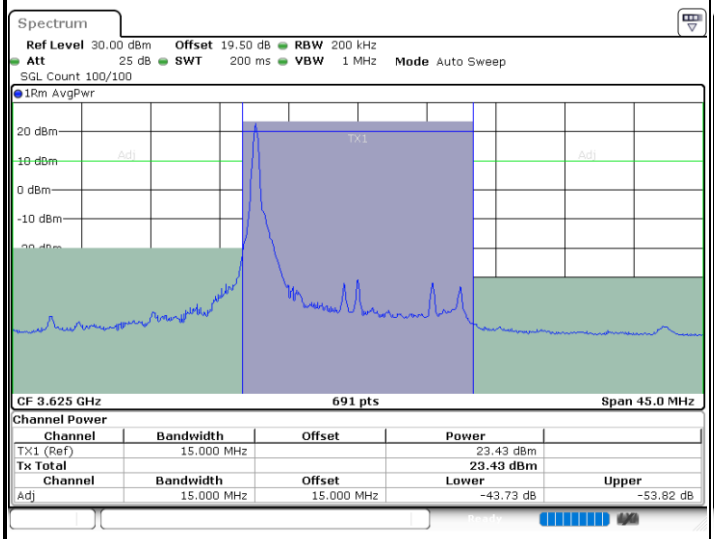
Date: 30.MAY.2023 18:45:14

N/A

LTE Band 48 / 15MHz

16QAM

Middle Channel / 1RB0

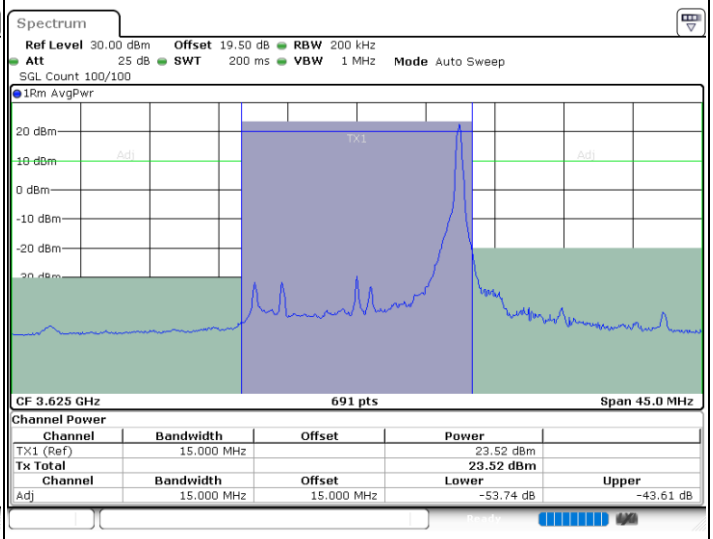


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	15.000 MHz		23.43 dBm	
Tx Total			23.43 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	15.000 MHz	15.000 MHz	-43.73 dB	-53.82 dB

Date: 30.MAY.2023 18:41:08

Middle Channel / 1RBmax

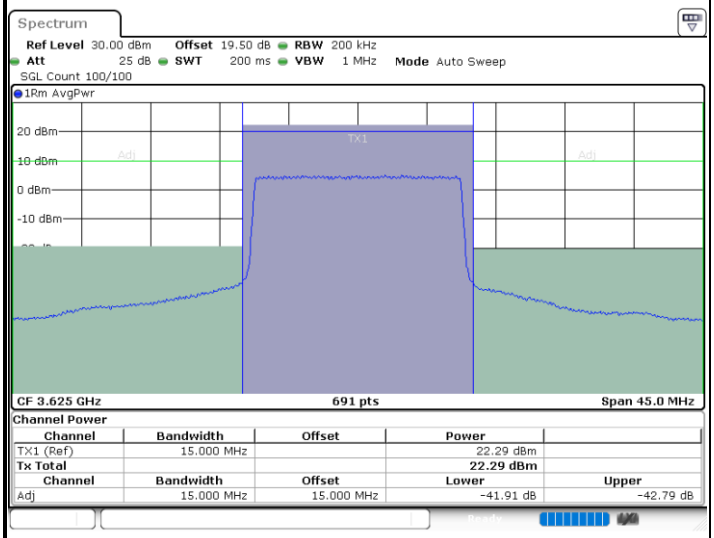


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	15.000 MHz		23.52 dBm	
Tx Total			23.52 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	15.000 MHz	15.000 MHz	-53.74 dB	-43.61 dB

Date: 30.MAY.2023 18:53:23

Middle Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	15.000 MHz		22.29 dBm	
Tx Total			22.29 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	15.000 MHz	15.000 MHz	-41.91 dB	-42.79 dB

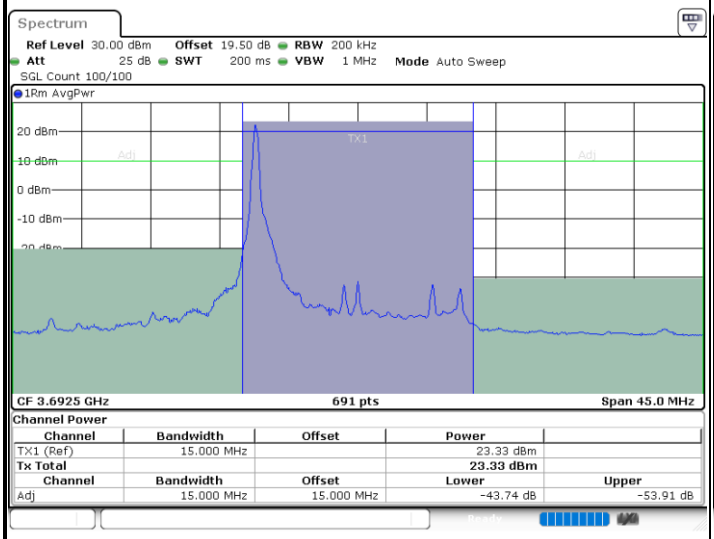
Date: 30.MAY.2023 18:47:16

N/A

LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

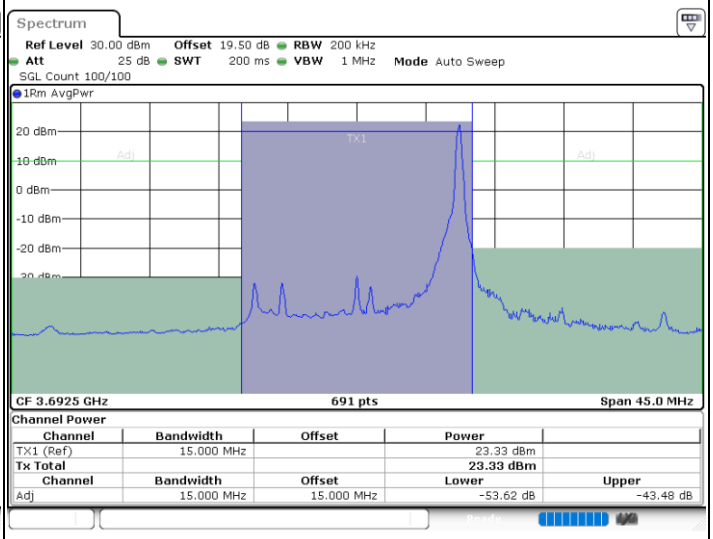


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	15.000 MHz		23.33 dBm	
Tx Total			**23.33 dBm**	
Channel	**Bandwidth**	**Offset**	**Lower**	**Upper**
Adj	15.000 MHz	15.000 MHz	-43.74 dB	-53.91 dB

Date: 30.MAY.2023 18:43:11

Highest Channel / 1RBmax

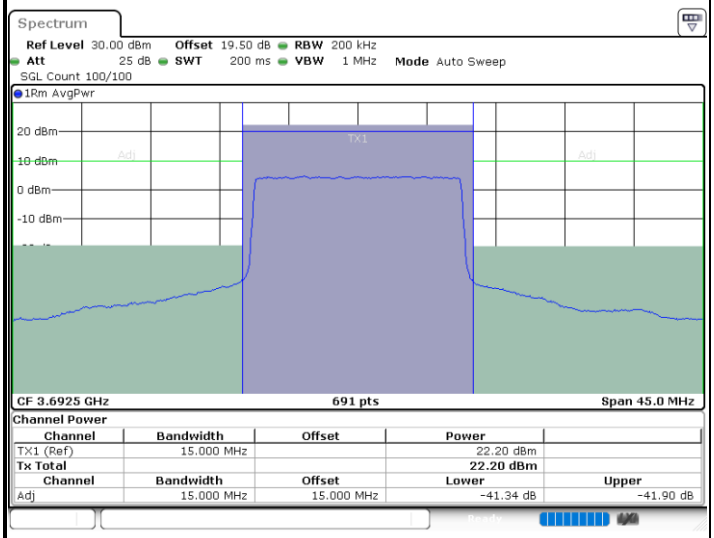


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	15.000 MHz		23.33 dBm	
Tx Total			**23.33 dBm**	
Channel	**Bandwidth**	**Offset**	**Lower**	**Upper**
Adj	15.000 MHz	15.000 MHz	-53.62 dB	-43.48 dB

Date: 30.MAY.2023 18:55:26

Highest Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	15.000 MHz		22.20 dBm	
Tx Total			**22.20 dBm**	
Channel	**Bandwidth**	**Offset**	**Lower**	**Upper**
Adj	15.000 MHz	15.000 MHz	-41.34 dB	-41.90 dB

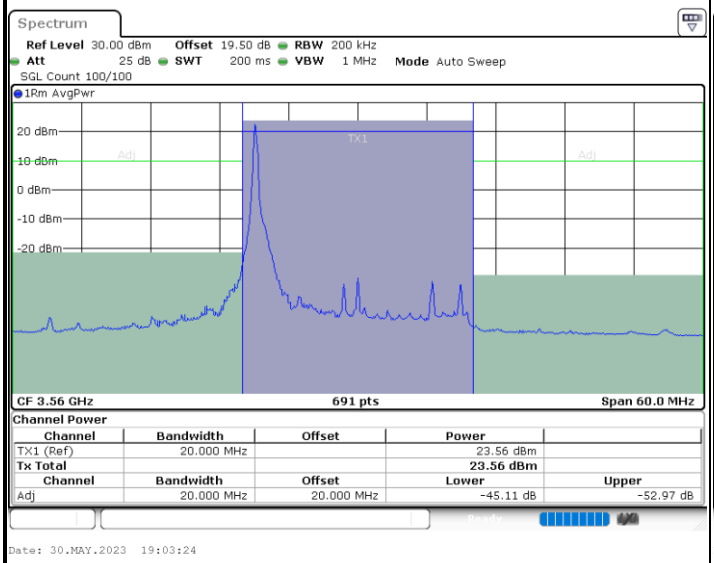
Date: 30.MAY.2023 18:49:19

N/A

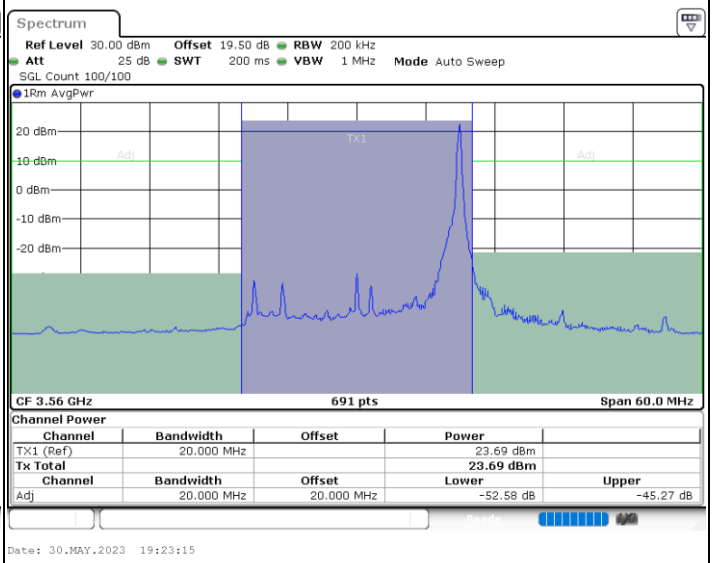
LTE Band 48 / 20MHz

16QAM

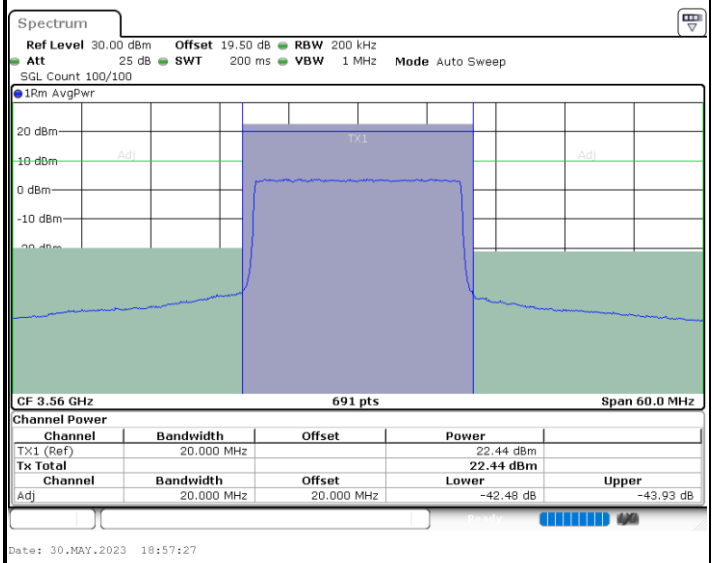
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

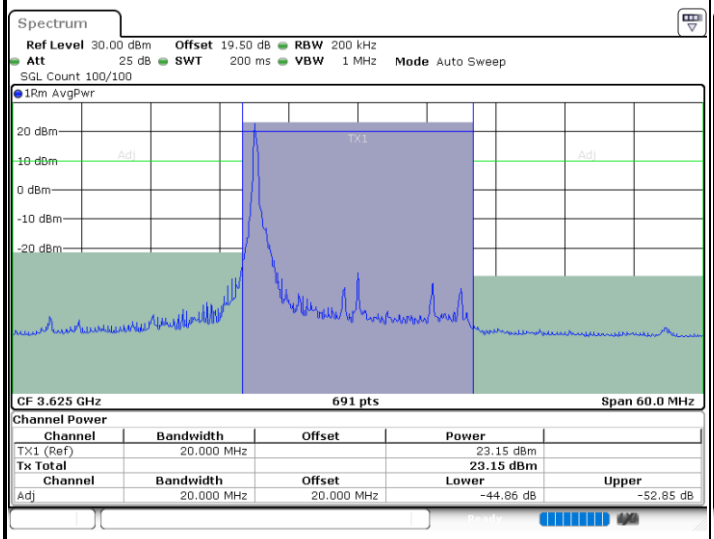


N/A

LTE Band 48 / 20MHz

16QAM

Middle Channel / 1RB0

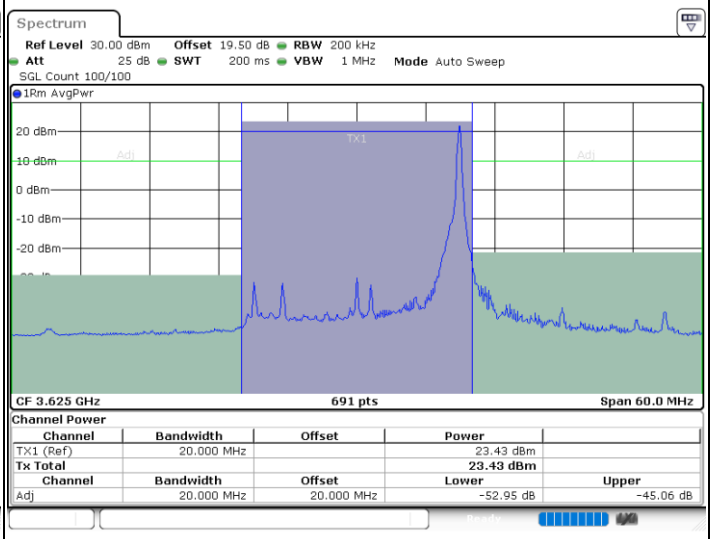


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	20.000 MHz		23.15 dBm	
Tx Total			23.15 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	20.000 MHz	20.000 MHz	-44.86 dB	-52.85 dB

Date: 30.MAY.2023 19:19:16

Middle Channel / 1RBmax

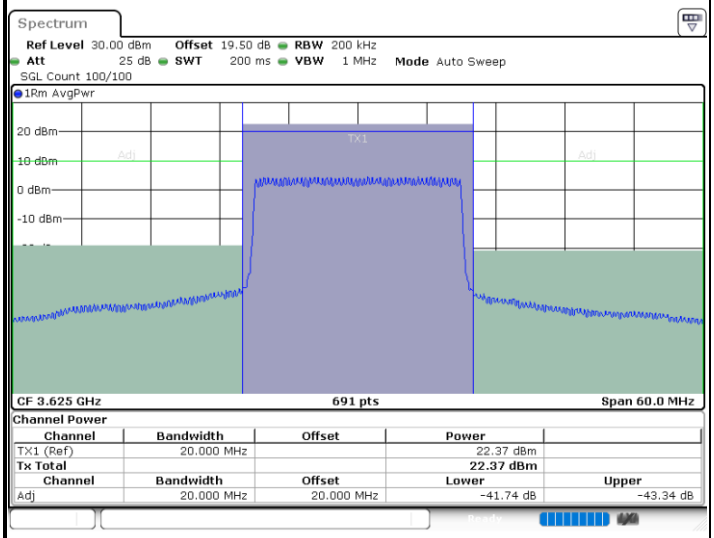


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	20.000 MHz		23.43 dBm	
Tx Total			23.43 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	20.000 MHz	20.000 MHz	-52.95 dB	-45.06 dB

Date: 30.MAY.2023 19:25:14

Middle Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	20.000 MHz		22.37 dBm	
Tx Total			22.37 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	20.000 MHz	20.000 MHz	-41.74 dB	-43.34 dB

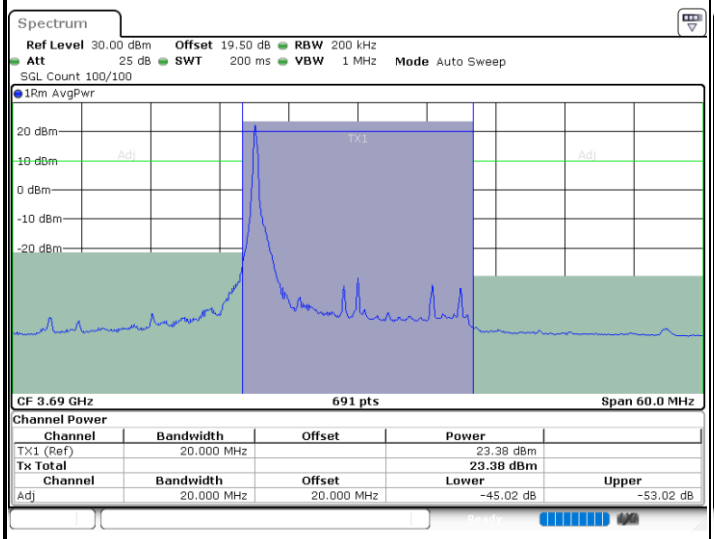
Date: 30.MAY.2023 18:59:26

N/A

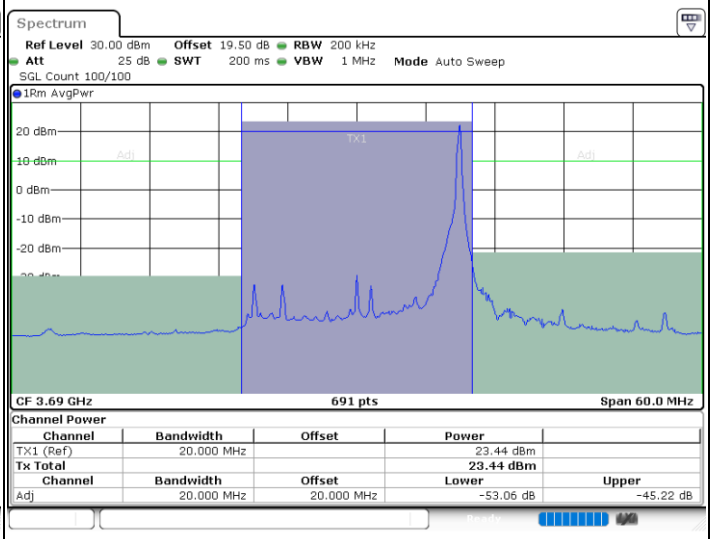
LTE Band 48 / 20MHz

16QAM

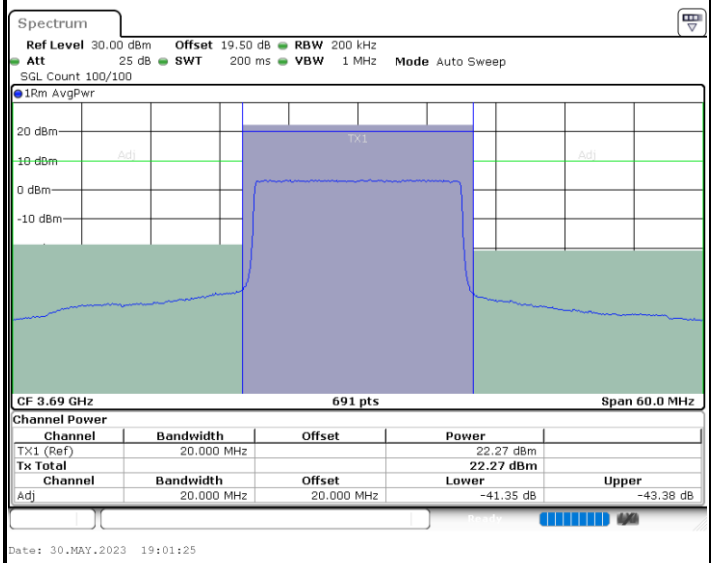
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

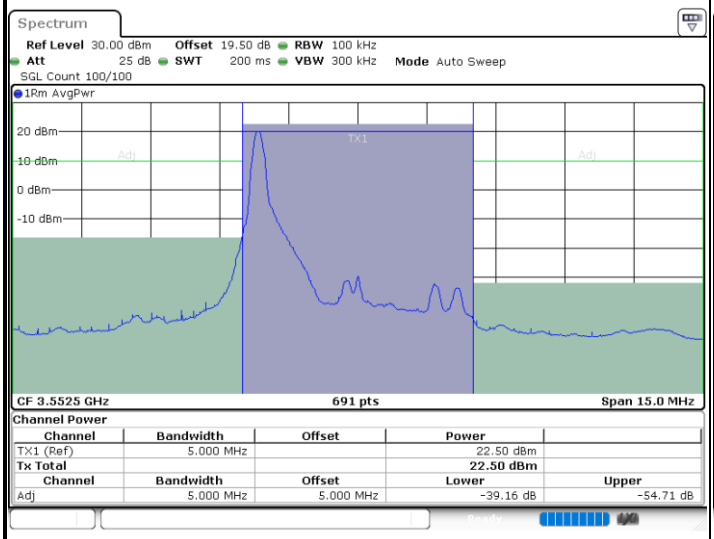


N/A

LTE Band 48 / 5MHz

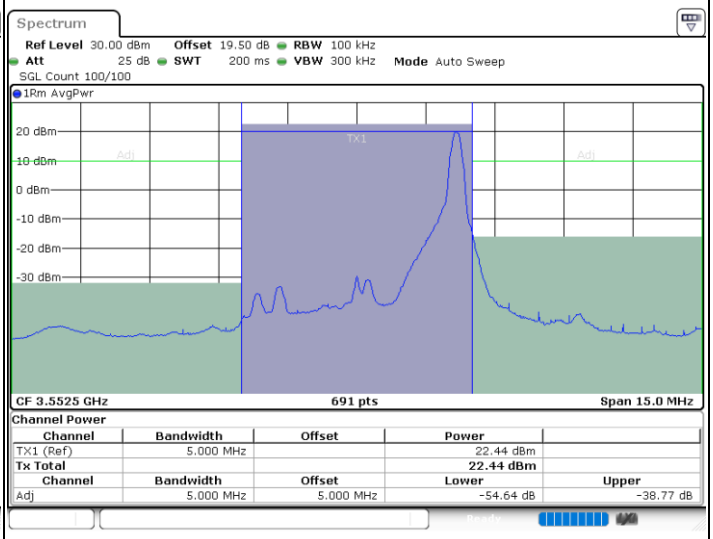
64QAM

Lowest Channel / 1RB0



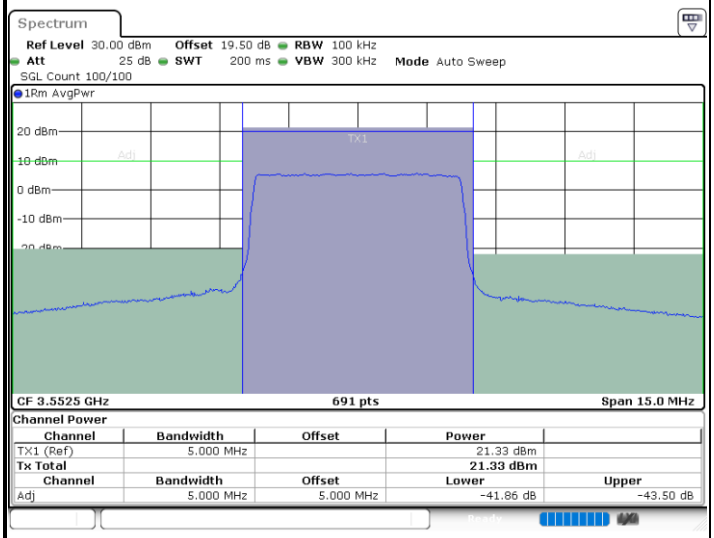
Date: 30.MAY.2023 18:03:09

Lowest Channel / 1RBmax



Date: 30.MAY.2023 18:15:19

Lowest Channel / FullRB



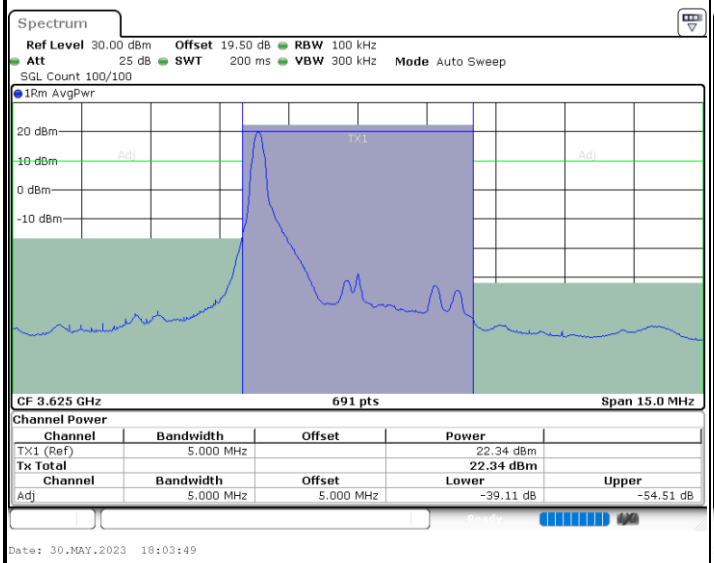
Date: 30.MAY.2023 18:09:14

N/A

LTE Band 48 / 5MHz

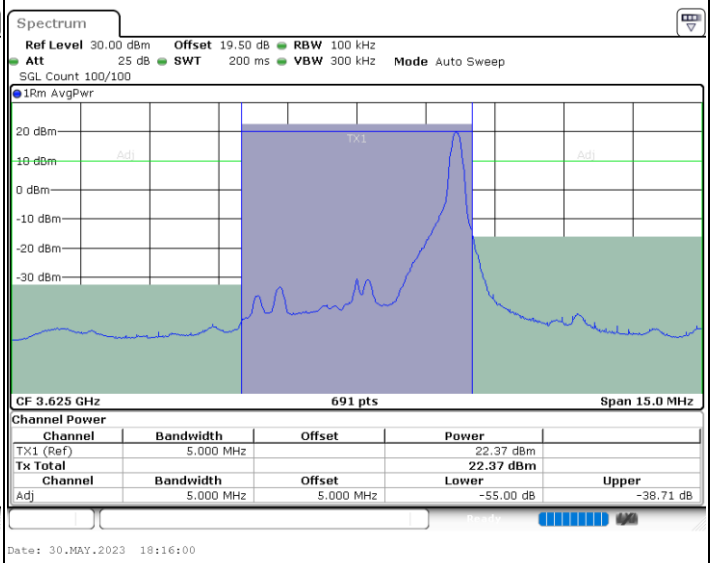
64QAM

Middle Channel / 1RB0



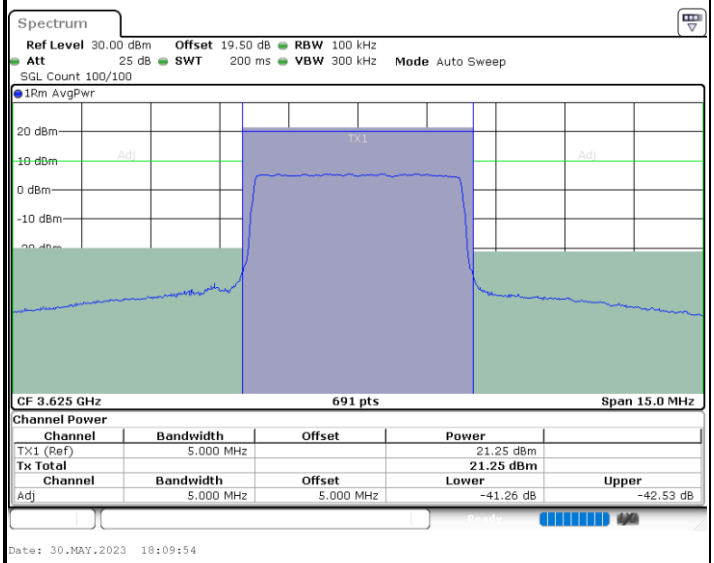
Date: 30.MAY.2023 18:03:49

Middle Channel / 1RBmax



Date: 30.MAY.2023 18:16:00

Middle Channel / FullRB



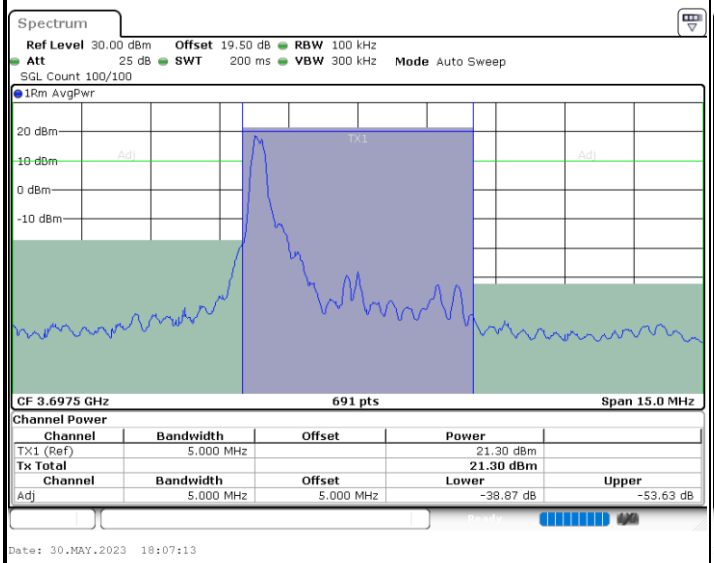
Date: 30.MAY.2023 18:09:54

N/A

LTE Band 48 / 5MHz

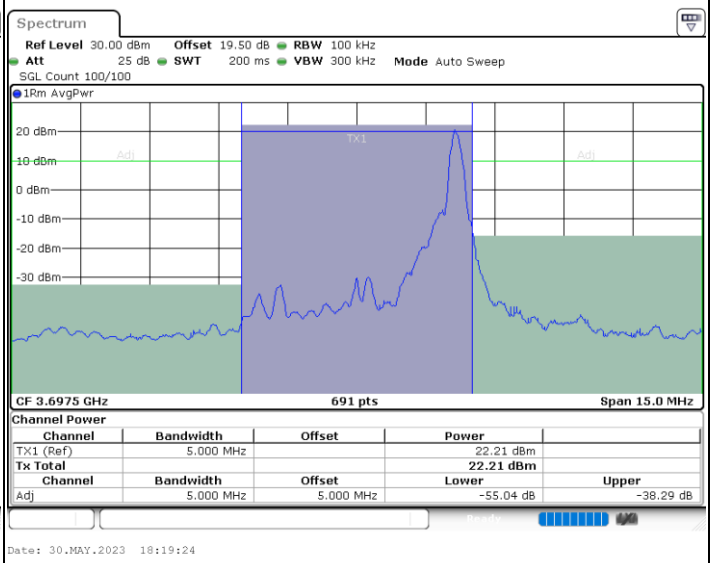
64QAM

Highest Channel / 1RB0



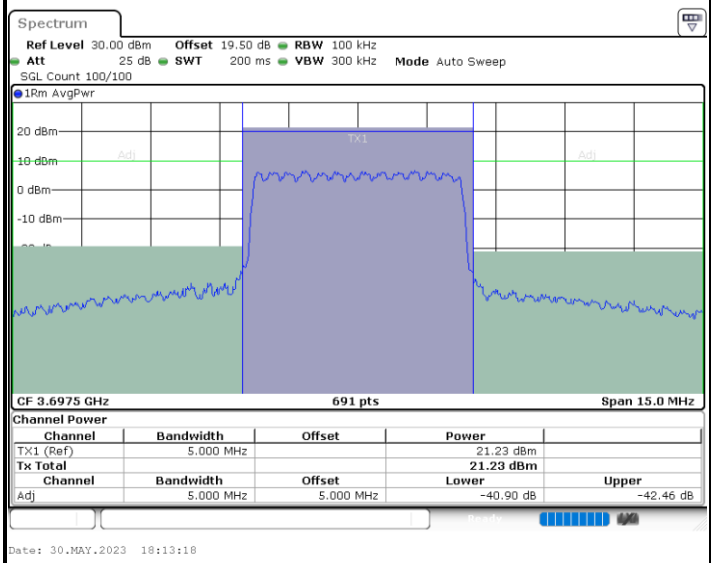
Date: 30.MAY.2023 18:07:13

Highest Channel / 1RBmax



Date: 30.MAY.2023 18:19:24

Highest Channel / FullRB



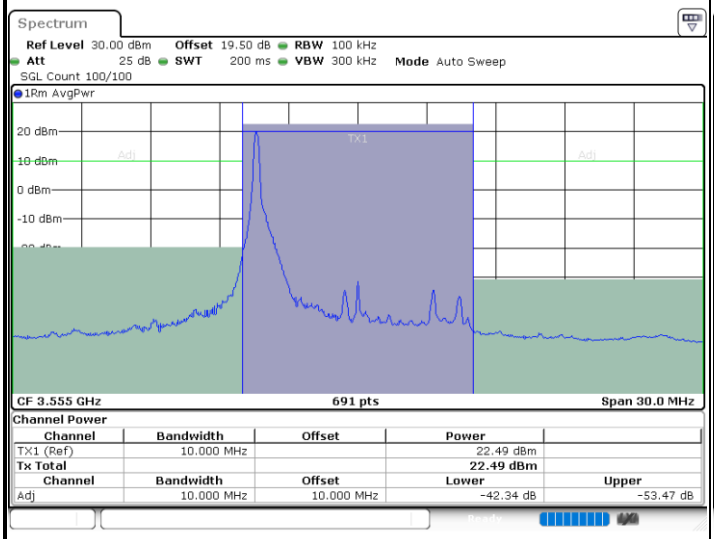
Date: 30.MAY.2023 18:13:18

N/A

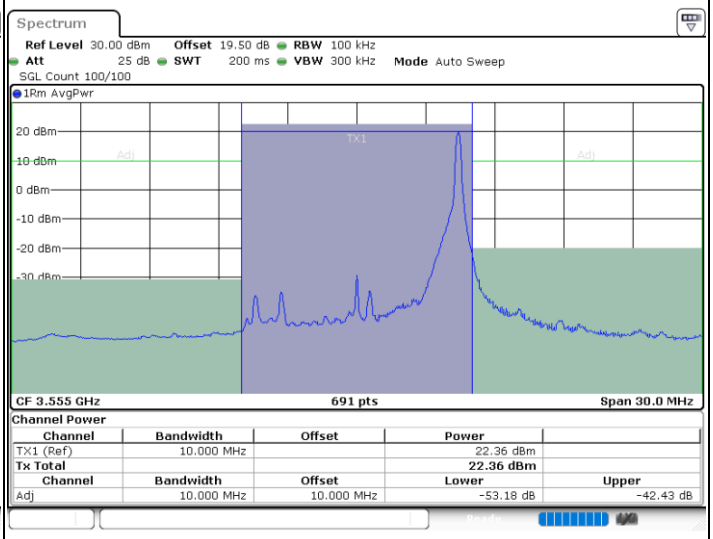
LTE Band 48 / 10MHz

64QAM

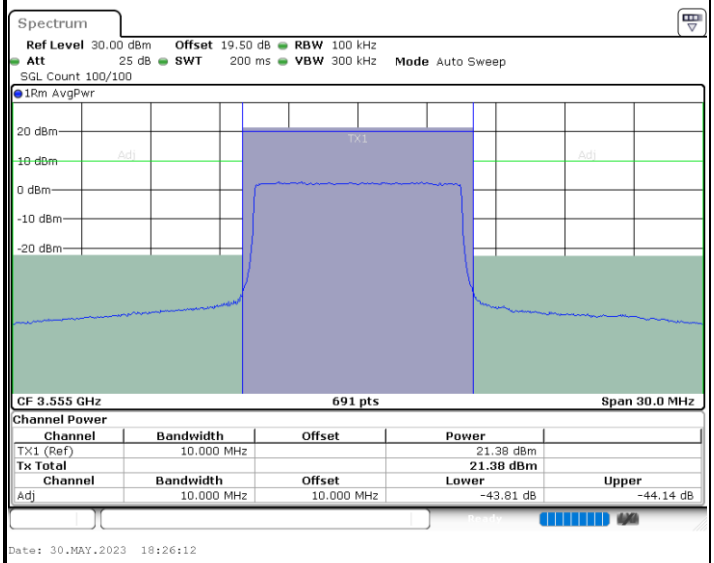
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

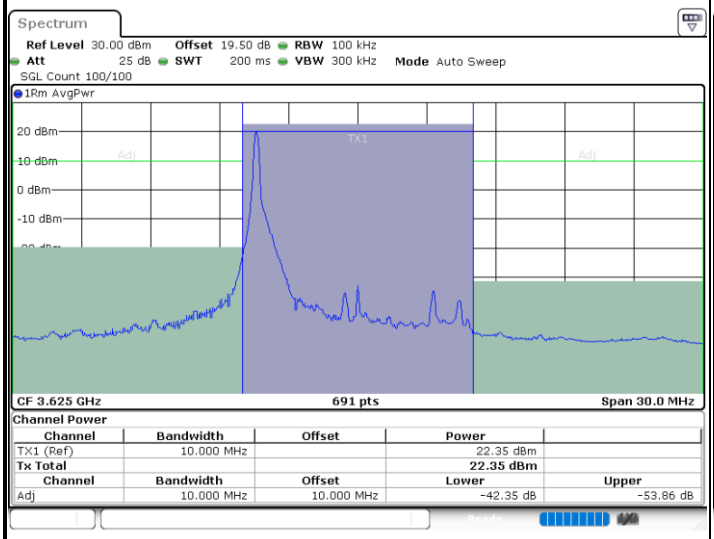


N/A

LTE Band 48 / 10MHz

64QAM

MiddleChannel / 1RB0

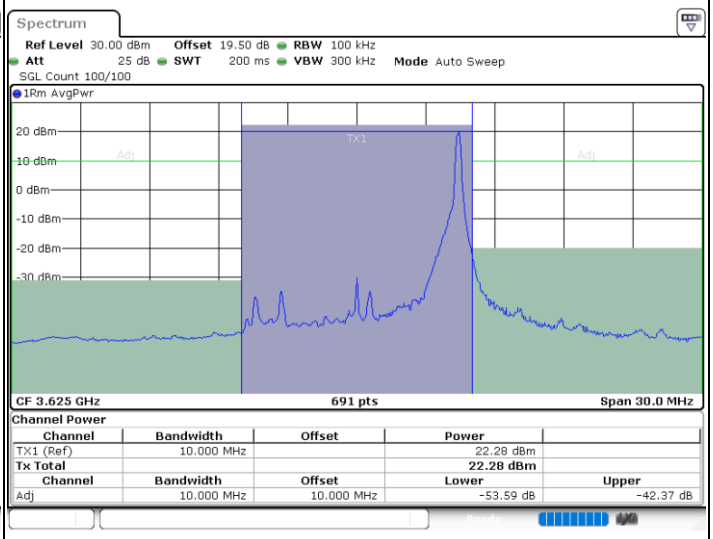


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		22.35 dBm	
Tx Total			22.35 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-42.35 dB	-53.86 dB

Date: 30.MAY.2023 18:23:28

Middle Channel / 1RBmax

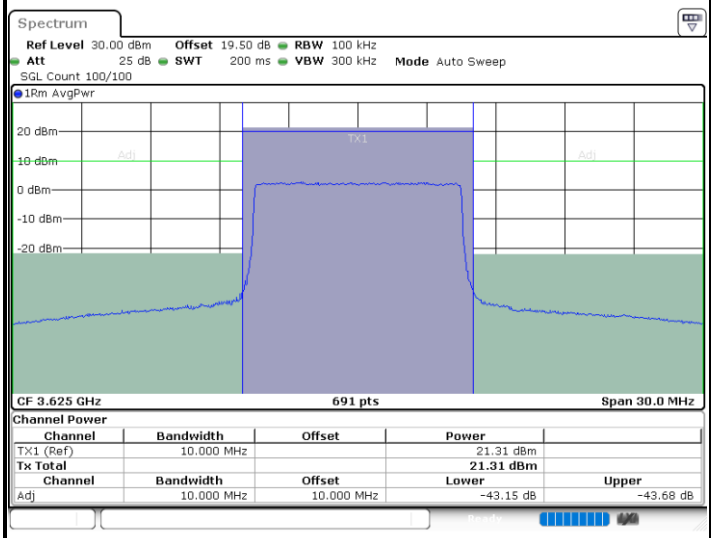


Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		22.28 dBm	
Tx Total			22.28 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-53.59 dB	-42.37 dB

Date: 30.MAY.2023 18:35:41

Middle Channel / FullRB



Channel Power

Channel	Bandwidth	Offset	Power	
TX1 (Ref)	10.000 MHz		21.31 dBm	
Tx Total			21.31 dBm	
Channel	Bandwidth	Offset	Lower	Upper
Adj	10.000 MHz	10.000 MHz	-43.15 dB	-43.68 dB

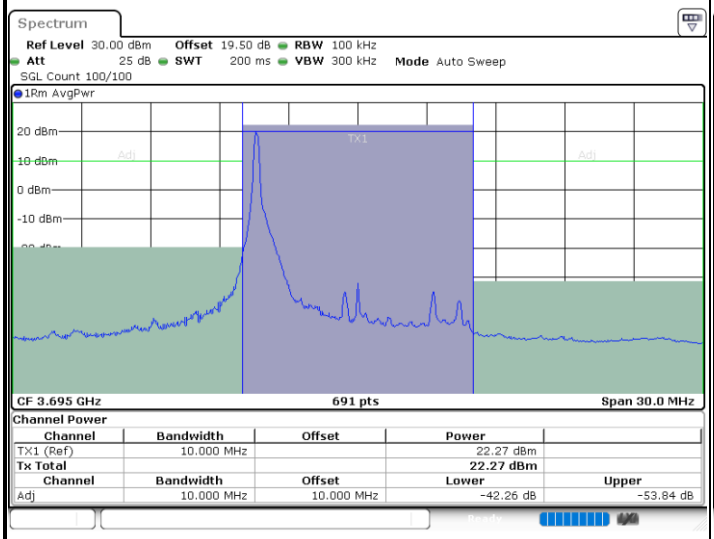
Date: 30.MAY.2023 18:29:34

N/A

LTE Band 48 / 10MHz

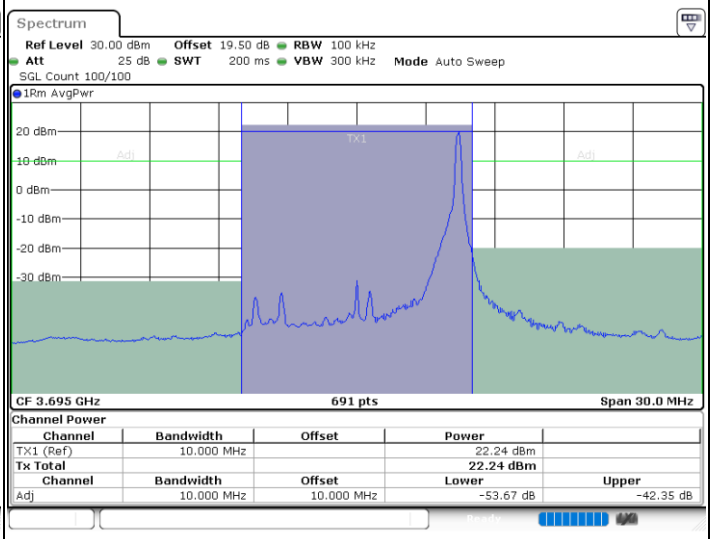
64QAM

Highest Channel / 1RB0



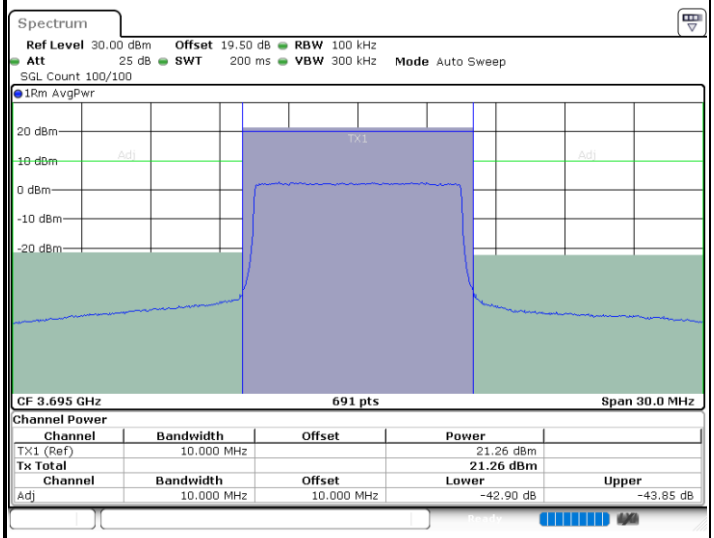
Date: 30.MAY.2023 18:24:09

Highest Channel / 1RBmax



Date: 30.MAY.2023 18:36:22

Highest Channel / FullRB



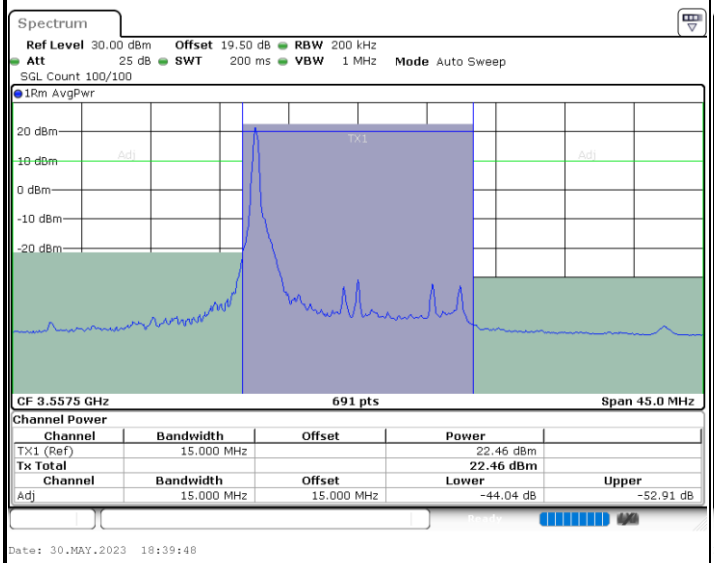
Date: 30.MAY.2023 18:30:15

N/A

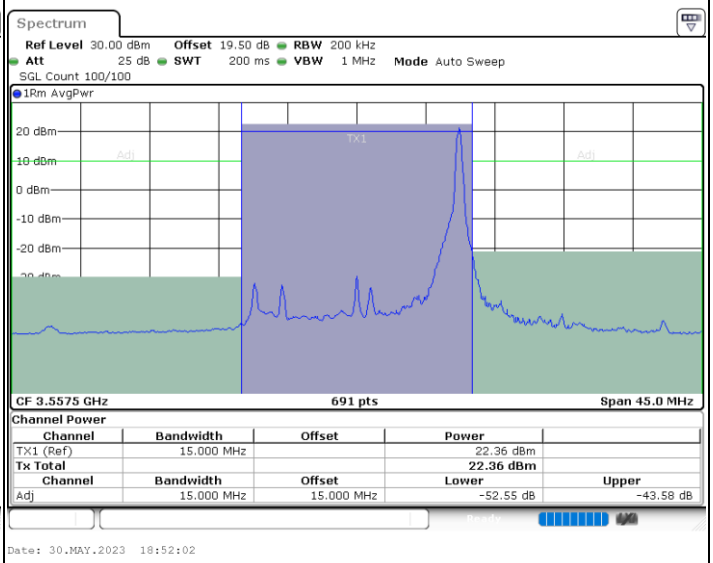
LTE Band 48 / 15MHz

64QAM

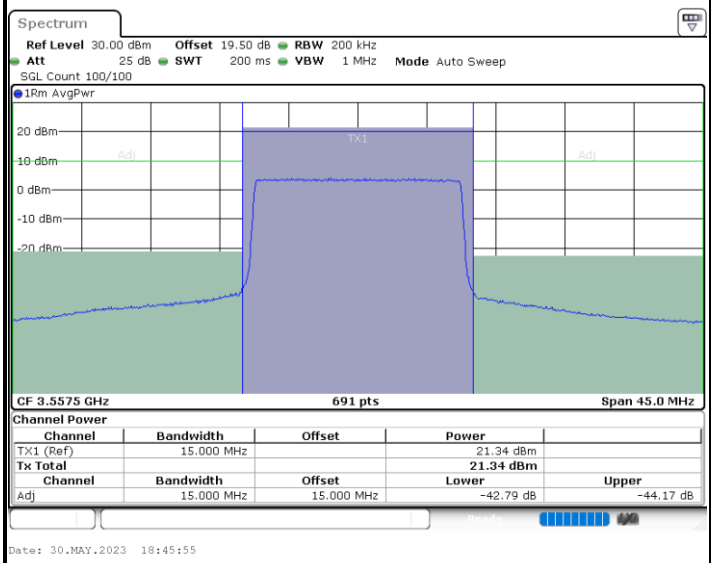
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

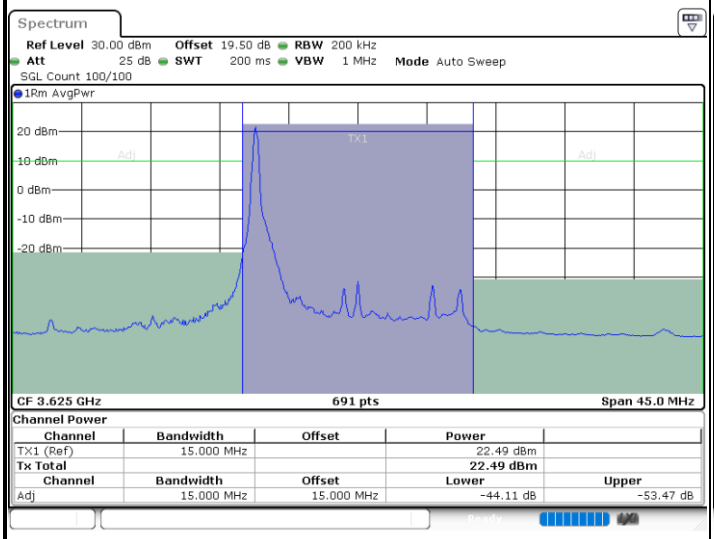


N/A

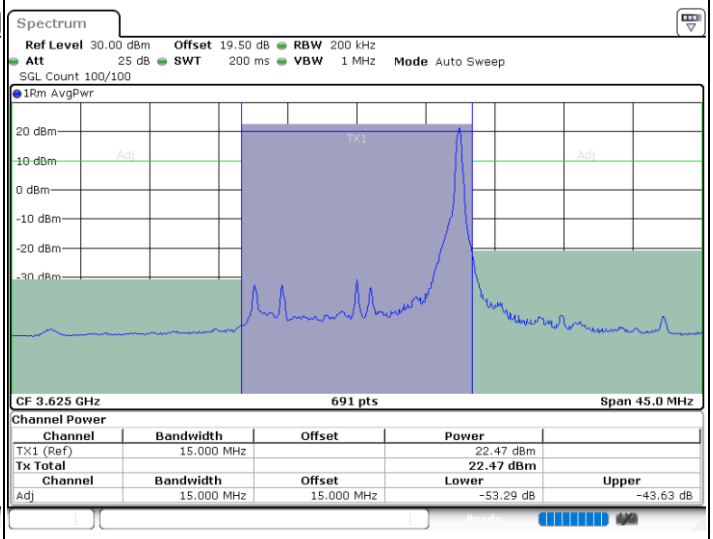
LTE Band 48 / 15MHz

64QAM

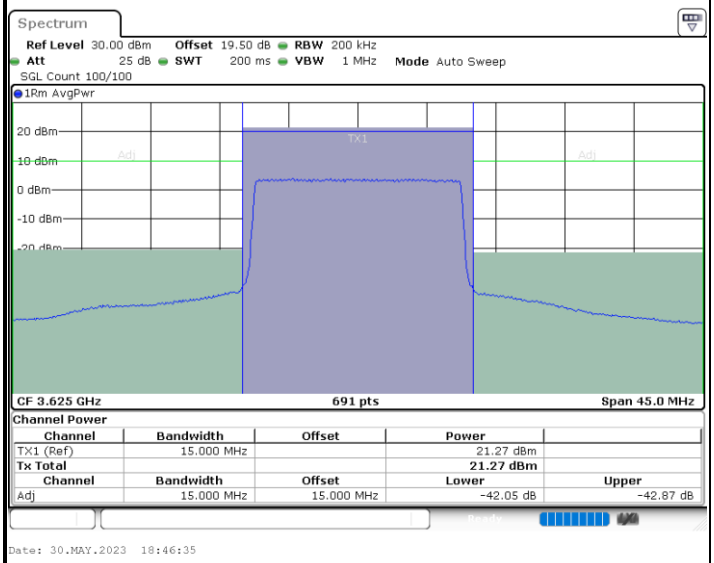
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB



N/A