

FCC RF Test Report

APPLICANT : TCL Communication Ltd.
EQUIPMENT : TCL LINKZONE Go 5G
BRAND NAME : TCL
MODEL NAME : MW501UV
FCC ID : 2ACCJSCD006
STANDARD : 47 CFR Part 96
CLASSIFICATION : Citizens Band End User Devices (CBE)
EQUIPMENT TYPE : End User Equipment
TEST DATE(S) : Aug. 01, 2025 ~ Aug. 21, 2025

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.



Approved by: Fly Liang



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
FG562417C	01	Initial issue of report	Sep. 05, 2025

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 9.72 dB at 14500.00 MHz

Conformity Assessment Condition:

- 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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- 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

TCL Communication Ltd.

5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

1.2 Manufacturer

TCL Communication Ltd.

5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	TCL LINKZONE Go 5G
Brand Name	TCL
Model Name	MW501UV
FCC ID	2ACCJSCD006
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.5> : LTE Band 48: 21.20 dBm LTE CA_48C: 21.00 dBm
Antenna Gain	<Ant.5> : LTE Band 48: 1.22 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
IMEI Code	Conducted: 354431470000331 Radiation: 354431470000554
HW Version	V3.0
SW Version	VZW_MW501UV_RY_01.00_42
EUT Stage	Production Unit

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

1.4 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	0.1726	4M50G7D	0.1387	4M50W7D
10	3555~3695	0.1734	9M05G7D	0.1365	8M95W7D
15	3557.5~3692.5	0.1734	13M3G7D	0.1387	13M4W7D
20	3560~3690	0.1746	17M9G7D	0.1380	17M9W7D

LTE Band 48 CA		QPSK		16QAM/64QAM/256QAM	
BW (MHz) Frequency (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz (3553.5 ~ 3690 MHz)		0.1660	23M1G7D	0.1288	23M1W7D
10MHz+20MHz (3555.5 ~ 3690 MHz)		0.1644	28M0G7D	0.1309	28M1W7D
15MHz+20MHz (3557.8 ~ 3690 MHz)		0.1656	32M9G7D	0.1312	32M9W7D
20MHz+5MHz (3560 ~ 3696.7 MHz)		0.1660	23M3G7D	0.1303	23M3W7D
20MHz+10MHz (3560 ~ 3694.5 MHz)		0.1637	27M8G7D	0.1312	28M2W7D
20MHz+15MHz (3560 ~ 3692.2 MHz)		0.1663	32M6G7D	0.1297	32M9W7D
20MHz+20MHz (3560 ~ 3690 MHz)		0.1667	37M7G7D	0.1315	37M8W7D

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	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH03-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH03-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 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

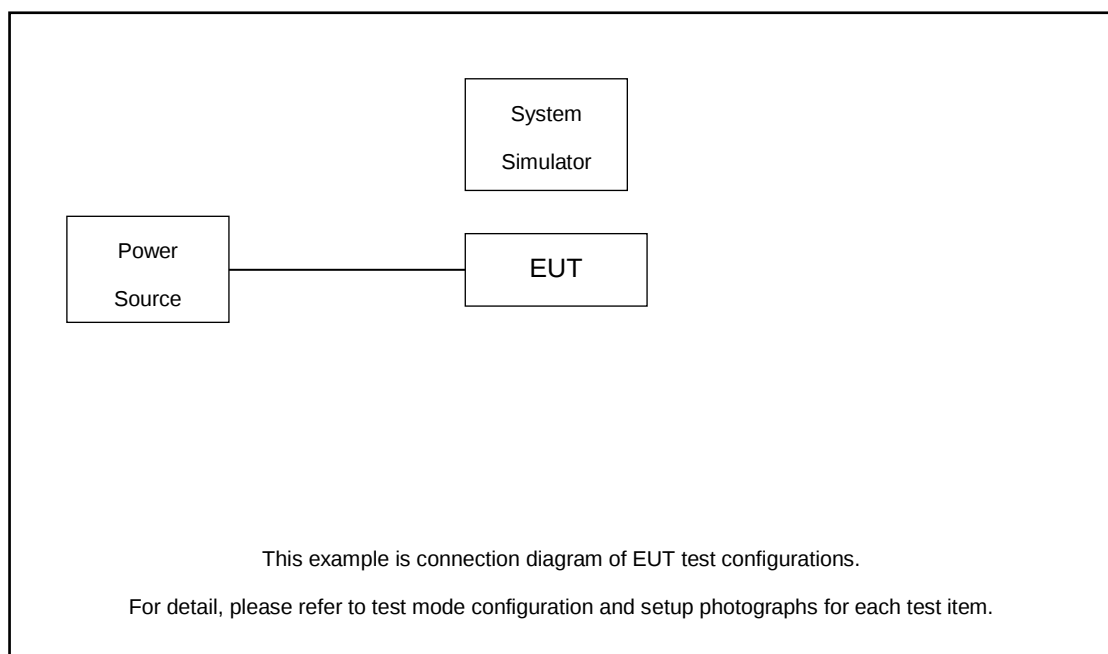
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	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
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
Conducted Spurious Emission	48	-	-	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	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. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.																

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	16 QAM	64 QAM	256 QAM	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
26dB and 99% Bandwidth	48C	v	v	v	v	v	-	v	v	v	v					v		v	
Conducted Band Edge	48C	v	v	v	v	v	-	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
Adjacent Channel Leakage Ratio	48C	v	v	v	v	v	-	v	v	v	v	v	v	v		v	v	v	v
E.I.R.P.	48C	v	v	v	v	v	-	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	48C	Worst Case																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. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.																		

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	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between 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 5.5 dB and 10dB attenuator.

Example :

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

= 5.5 + 10 = 15.5 (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

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

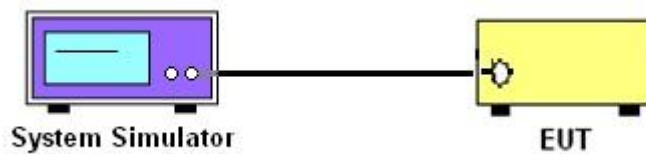
3 Conducted Test Items

3.1 Measuring Instruments

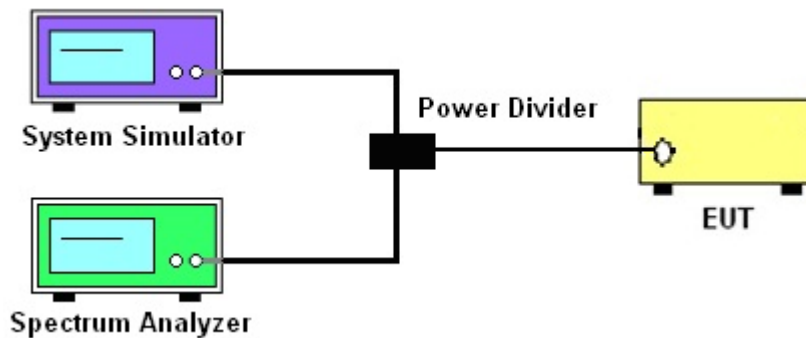
See list of measuring instruments of this test report.

3.2 Test Setup

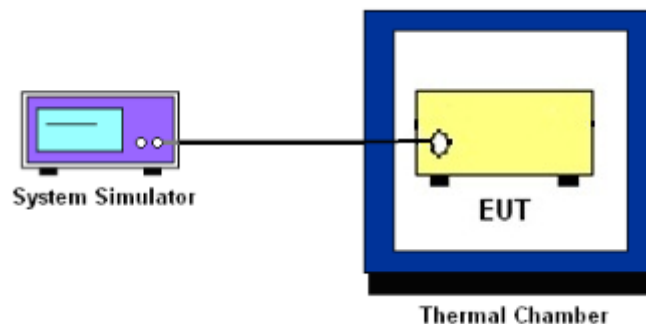
3.2.1 Conducted Output Power / ACLR



3.2.2 26dB & 99% 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.

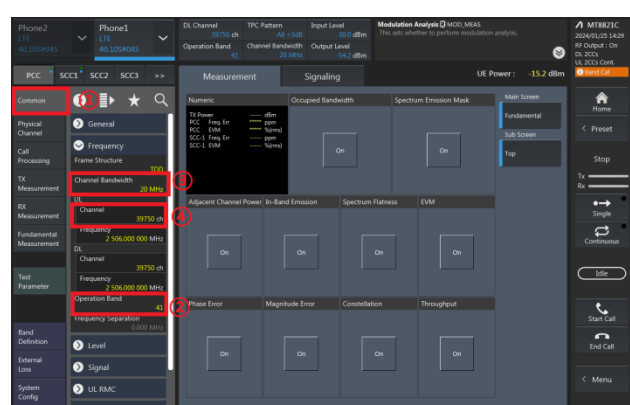
3.3.2 Test Procedures

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.

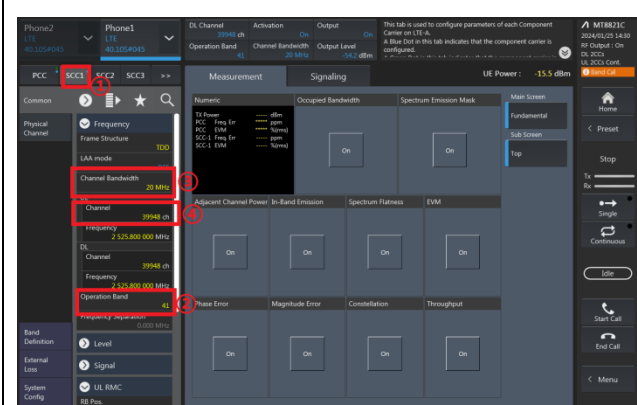
3.3.3 Test Procedures for LTE ULCA

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

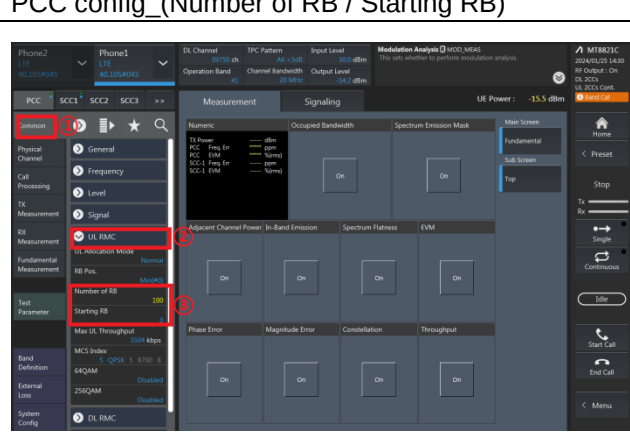
PCC config_(Channel Bandwidth / Channel / Band)



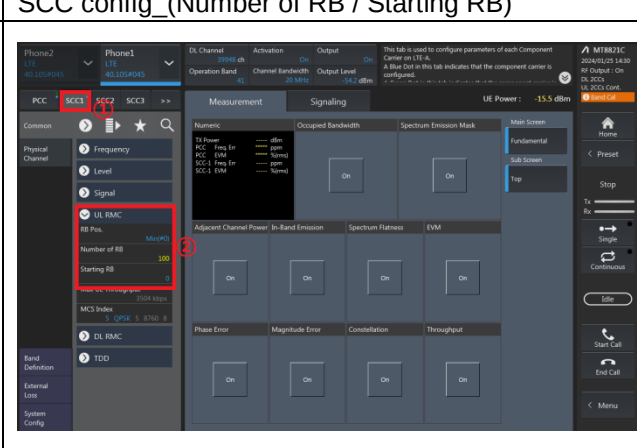
SCC config_(Channel Bandwidth / Channel / Band)



PCC config_(Number of RB / Starting RB)

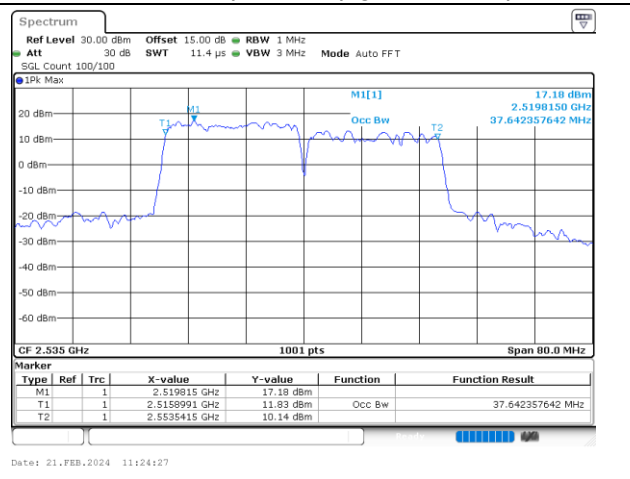


SCC config_(Number of RB / Starting RB)

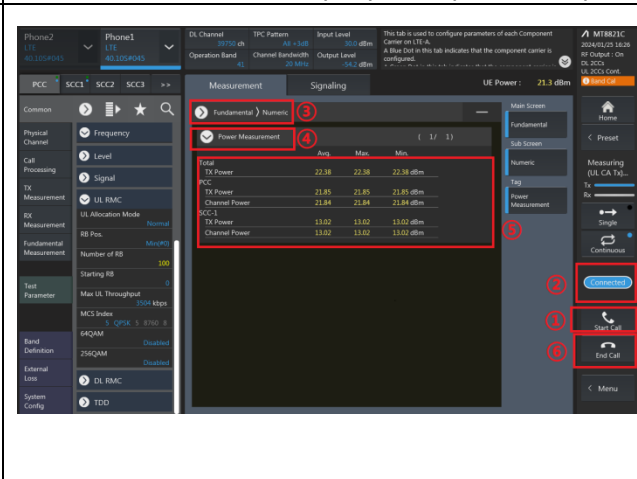


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

Check the ULCA spectrum (eg. 20M+20M)



Read the Total UL CA output power (PCC+SCC)



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

Remark:

1. 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)

3.4.2 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)

$$EIRP = P_T + G_T - L_C, ERP = EIRP - 2.15, \text{ where}$$

$$P_T = \text{transmitter output power in dBm}$$

$$G_T = \text{gain of the transmitting antenna in dBi}$$

$$L_C = \text{signal attenuation in the connecting cable between the transmitter and antenna in dB}$$

3.5 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 -40 dBm/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 $\geq 1\%$ 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.

3.7 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.

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.

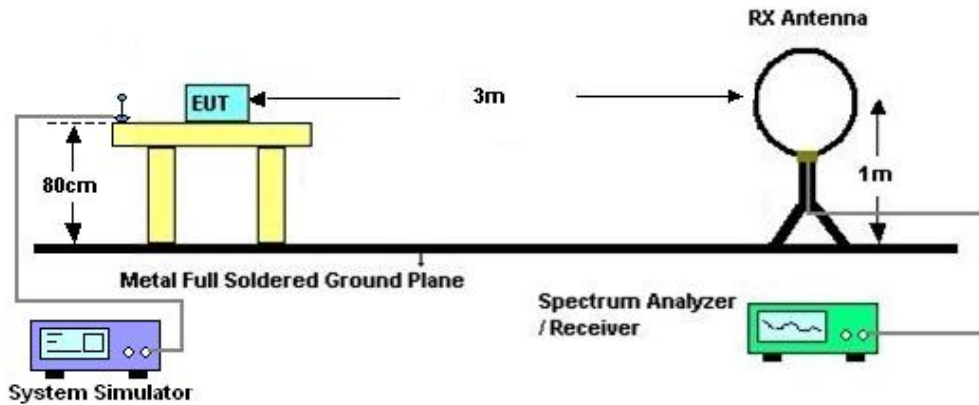
4 Radiated Test Items

4.1 Measuring Instruments

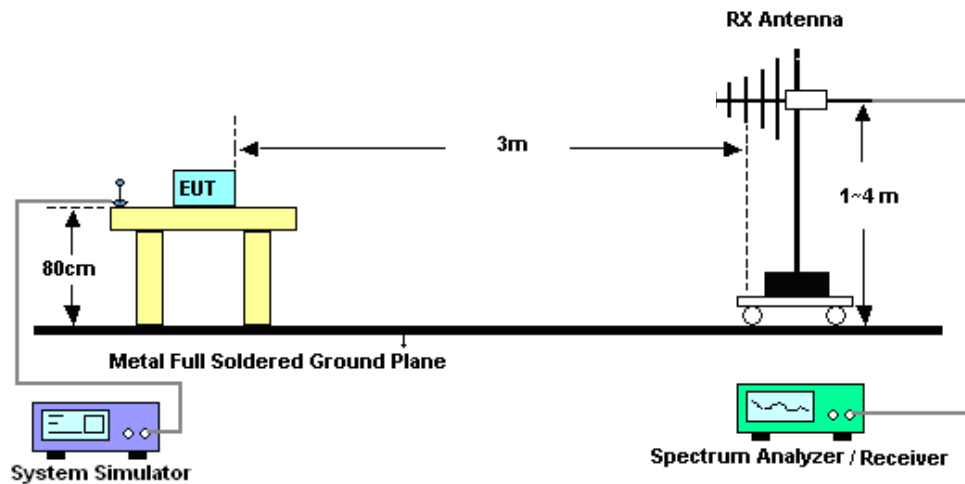
See list of measuring instruments of this test report.

4.2 Test Setup

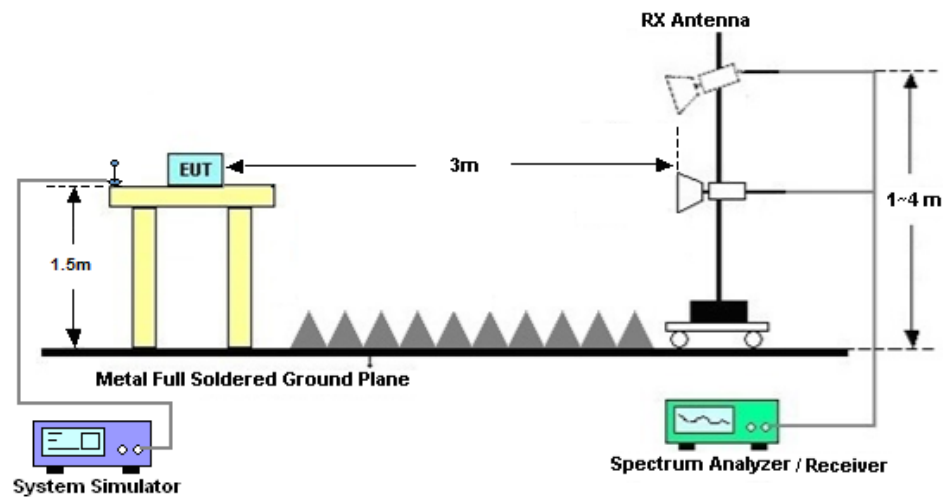
4.2.1 For radiated test below 30MHz



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.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
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	101078	10Hz~40GHz	Apr. 02, 2025	Aug. 01, 2025~ Aug. 06, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct.14,2024	Aug. 01, 2025~ Aug. 06, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N00518 0	923402	0.4GHz~26.5GHz	Nov. 8, 2024	Aug. 01, 2025~ Aug. 06, 2025	Nov. 7, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Aug. 01, 2025~ Aug. 06, 2025	Jul. 01, 2026	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Aug. 21, 2025	Dec. 27, 2025	Radiation (03CH03-SZ)
EXA Signal Analyzer	KEYSIGHT	N9010B	MY59071191	10KHz~44GHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Aug. 19, 2025	Aug. 21, 2025	Aug. 18, 2026	Radiation (03CH03-SZ)
Double Rيدة Guide Antenna	ETS-Lindgren	Burgeon-31 17	00240107	1GHz~18GHz	Jul. 13, 2025	Aug. 21, 2025	Jul.12, 2026	Radiation (03CH03-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz ~3000MHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2025	Aug. 21, 2025	Jul.02, 2026	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 03, 2025	Aug. 21, 2025	Apr. 02, 2027	Radiation (03CH03-SZ)
HF Amplifier	Keysight	83017A	MY53270357	500MHz~26.5GHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2024	Aug. 21, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Aug. 21, 2025	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Aug. 21, 2025	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	± 1.34 dB
Occupied Channel Bandwidth	± 0.012 MHz
Conducted Power	± 1.34 dB
Peak to Average Ratio	± 1.34 dB
Frequency Stability	± 1.3 Hz

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.0 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Lorenzo Liu	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and EIRP

LTE Band 48:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				55340	55990	56640			
Frequency (MHz)				3560	3625	3690	L	M	H
20	QPSK	1	0	20.45	20.92	21.20	0.1469	0.1637	0.1746
20	QPSK	1	49	20.41	20.91	21.18	0.1455	0.1633	0.1738
20	QPSK	1	99	20.43	20.95	21.17	0.1462	0.1648	0.1734
20	QPSK	50	0	19.48	19.98	20.27	0.1175	0.1318	0.1409
20	QPSK	50	24	19.41	19.95	20.25	0.1156	0.1309	0.1403
20	QPSK	50	50	19.43	19.91	20.26	0.1161	0.1297	0.1406
20	QPSK	100	0	19.47	19.97	20.23	0.1172	0.1315	0.1396
20	16QAM	1	0	19.40	19.93	20.08	0.1153	0.1303	0.1349
20	16QAM	1	49	19.33	19.82	20.13	0.1135	0.1271	0.1365
20	16QAM	1	99	19.43	19.82	20.18	0.1161	0.1271	0.1380
20	16QAM	50	0	18.41	18.89	19.12	0.0918	0.1026	0.1081
20	16QAM	50	24	18.43	18.86	19.13	0.0923	0.1019	0.1084
20	16QAM	50	50	18.39	18.85	19.11	0.0914	0.1016	0.1079
20	16QAM	100	0	18.44	18.95	19.08	0.0925	0.1040	0.1072
20	64QAM	1	0	18.46	18.84	19.09	0.0929	0.1014	0.1074
20	64QAM	1	49	18.41	18.94	19.15	0.0918	0.1038	0.1089
20	64QAM	1	99	18.45	18.89	19.09	0.0927	0.1026	0.1074
20	64QAM	50	0	17.32	17.86	18.20	0.0714	0.0809	0.0875
20	64QAM	50	24	17.39	17.88	18.11	0.0726	0.0813	0.0857
20	64QAM	50	50	17.35	17.88	18.09	0.0719	0.0813	0.0853
20	64QAM	100	0	17.41	17.87	18.19	0.0729	0.0811	0.0873
20	256QAM	1	0	15.38	15.83	16.19	0.0457	0.0507	0.0551
20	256QAM	1	49	15.43	15.89	16.14	0.0462	0.0514	0.0545
20	256QAM	1	99	15.34	15.95	16.11	0.0453	0.0521	0.0541
20	256QAM	50	0	15.35	15.90	16.10	0.0454	0.0515	0.0540
20	256QAM	50	24	15.44	15.82	16.22	0.0463	0.0506	0.0555
20	256QAM	50	50	15.39	15.89	16.15	0.0458	0.0514	0.0546
20	256QAM	100	0	15.40	15.84	16.19	0.0459	0.0508	0.0551
Channel				55315	55990	56665	EIRP(W)		
Frequency (MHz)				3557.5	3625	3692.5	L	M	H
15	QPSK	1	0	20.30	20.93	21.17	0.1419	0.1641	0.1734



15	QPSK	1	37	20.32	20.94	21.17	0.1426	0.1644	0.1734
15	QPSK	1	74	20.42	20.90	21.10	0.1459	0.1629	0.1706
15	QPSK	36	0	19.41	19.93	20.18	0.1156	0.1303	0.1380
15	QPSK	36	20	19.36	19.90	20.14	0.1143	0.1294	0.1368
15	QPSK	36	39	19.42	19.92	20.19	0.1159	0.1300	0.1384
15	QPSK	75	0	19.33	19.92	20.08	0.1135	0.1300	0.1349
15	16QAM	1	0	19.41	19.91	20.09	0.1156	0.1297	0.1352
15	16QAM	1	37	19.44	19.82	20.08	0.1164	0.1271	0.1349
15	16QAM	1	74	19.32	19.86	20.20	0.1132	0.1282	0.1387
15	16QAM	36	0	18.44	18.84	19.17	0.0925	0.1014	0.1094
15	16QAM	36	20	18.35	18.94	19.17	0.0906	0.1038	0.1094
15	16QAM	36	39	18.35	18.84	19.11	0.0906	0.1014	0.1079
15	16QAM	75	0	18.46	18.88	19.18	0.0929	0.1023	0.1096
15	64QAM	1	0	18.35	18.96	19.19	0.0906	0.1042	0.1099
15	64QAM	1	37	18.35	18.91	19.21	0.0906	0.1030	0.1104
15	64QAM	1	74	18.37	18.83	19.18	0.0910	0.1012	0.1096
15	64QAM	36	0	17.46	17.82	18.19	0.0738	0.0802	0.0873
15	64QAM	36	20	17.33	17.88	18.16	0.0716	0.0813	0.0867
15	64QAM	36	39	17.34	17.90	18.13	0.0718	0.0817	0.0861
15	64QAM	75	0	17.38	17.89	18.08	0.0724	0.0815	0.0851
15	256QAM	1	0	15.36	15.91	16.21	0.0455	0.0516	0.0553
15	256QAM	1	37	15.40	15.95	16.20	0.0459	0.0521	0.0552
15	256QAM	1	74	15.40	15.84	16.16	0.0459	0.0508	0.0547
15	256QAM	36	0	15.32	15.95	16.15	0.0451	0.0521	0.0546
15	256QAM	36	20	15.32	15.84	16.08	0.0451	0.0508	0.0537
15	256QAM	36	39	15.44	15.90	16.19	0.0463	0.0515	0.0551
15	256QAM	75	0	15.45	15.96	16.08	0.0465	0.0522	0.0537
Channel				55290	55990	56690	EIRP(W)		
Frequency (MHz)				3555	3625	3695	L	M	H
10	QPSK	1	0	20.42	20.87	21.17	0.1459	0.1618	0.1734
10	QPSK	1	25	20.42	20.90	21.15	0.1459	0.1629	0.1726
10	QPSK	1	49	20.42	20.96	21.16	0.1459	0.1652	0.1730
10	QPSK	25	0	19.33	19.93	20.21	0.1135	0.1303	0.1390
10	QPSK	25	12	19.44	19.90	20.21	0.1164	0.1294	0.1390
10	QPSK	25	25	19.45	19.91	20.09	0.1167	0.1297	0.1352
10	QPSK	50	0	19.32	19.84	20.15	0.1132	0.1276	0.1371
10	16QAM	1	0	19.45	19.88	20.11	0.1167	0.1288	0.1358
10	16QAM	1	25	19.43	19.91	20.12	0.1161	0.1297	0.1361
10	16QAM	1	49	19.44	19.84	20.13	0.1164	0.1276	0.1365
10	16QAM	25	0	18.34	18.90	19.20	0.0904	0.1028	0.1102
10	16QAM	25	12	18.39	18.84	19.20	0.0914	0.1014	0.1102
10	16QAM	25	25	18.33	18.92	19.14	0.0902	0.1033	0.1086
10	16QAM	50	0	18.44	18.91	19.18	0.0925	0.1030	0.1096
10	64QAM	1	0	18.43	18.93	19.12	0.0923	0.1035	0.1081
10	64QAM	1	25	18.34	18.85	19.09	0.0904	0.1016	0.1074



10	64QAM	1	49	18.34	18.84	19.22	0.0904	0.1014	0.1107
10	64QAM	25	0	17.36	17.83	18.19	0.0721	0.0804	0.0873
10	64QAM	25	12	17.39	17.82	18.18	0.0726	0.0802	0.0871
10	64QAM	25	25	17.38	17.93	18.12	0.0724	0.0822	0.0859
10	64QAM	50	0	17.46	17.85	18.19	0.0738	0.0807	0.0873
10	256QAM	1	0	15.40	15.93	16.10	0.0459	0.0519	0.0540
10	256QAM	1	25	15.44	15.89	16.13	0.0463	0.0514	0.0543
10	256QAM	1	49	15.34	15.85	16.10	0.0453	0.0509	0.0540
10	256QAM	25	0	15.38	15.92	16.09	0.0457	0.0518	0.0538
10	256QAM	25	12	15.33	15.96	16.08	0.0452	0.0522	0.0537
10	256QAM	25	25	15.35	15.87	16.21	0.0454	0.0512	0.0553
10	256QAM	50	0	15.41	15.92	16.19	0.0460	0.0518	0.0551
Channel				55265	55990	56715	EIRP(W)		
Frequency (MHz)				3552.5	3625	3697.5	L	M	H
5	QPSK	1	0	20.43	20.96	21.05	0.1462	0.1652	0.1687
5	QPSK	1	12	20.40	20.90	21.07	0.1452	0.1629	0.1694
5	QPSK	1	24	20.37	20.82	21.15	0.1442	0.1600	0.1726
5	QPSK	12	0	19.35	19.94	20.13	0.1140	0.1306	0.1365
5	QPSK	12	7	19.45	19.95	20.20	0.1167	0.1309	0.1387
5	QPSK	12	13	19.38	19.89	20.21	0.1148	0.1291	0.1390
5	QPSK	25	0	19.41	19.91	20.12	0.1156	0.1297	0.1361
5	16QAM	1	0	19.33	19.90	20.14	0.1135	0.1294	0.1368
5	16QAM	1	12	19.43	19.91	20.18	0.1161	0.1297	0.1380
5	16QAM	1	24	19.40	19.84	20.20	0.1153	0.1276	0.1387
5	16QAM	12	0	18.36	18.89	19.11	0.0908	0.1026	0.1079
5	16QAM	12	7	18.37	18.96	19.18	0.0910	0.1042	0.1096
5	16QAM	12	13	18.36	18.96	19.22	0.0908	0.1042	0.1107
5	16QAM	25	0	18.40	18.82	19.14	0.0916	0.1009	0.1086
5	64QAM	1	0	18.32	18.95	19.13	0.0899	0.1040	0.1084
5	64QAM	1	12	18.32	18.94	19.08	0.0899	0.1038	0.1072
5	64QAM	1	24	18.35	18.82	19.19	0.0906	0.1009	0.1099
5	64QAM	12	0	17.46	17.92	18.08	0.0738	0.0820	0.0851
5	64QAM	12	7	17.40	17.86	18.17	0.0728	0.0809	0.0869
5	64QAM	12	13	17.39	17.82	18.19	0.0726	0.0802	0.0873
5	64QAM	25	0	17.37	17.93	18.13	0.0723	0.0822	0.0861
5	256QAM	1	0	15.44	15.88	16.09	0.0463	0.0513	0.0538
5	256QAM	1	12	15.34	15.95	16.19	0.0453	0.0521	0.0551
5	256QAM	1	24	15.34	15.84	16.14	0.0453	0.0508	0.0545
5	256QAM	12	0	15.38	15.83	16.19	0.0457	0.0507	0.0551
5	256QAM	12	7	15.39	15.82	16.18	0.0458	0.0506	0.0550
5	256QAM	12	13	15.37	15.92	16.14	0.0456	0.0518	0.0545
5	256QAM	25	0	15.32	15.95	16.20	0.0451	0.0521	0.0552



LTE CA_48C:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55538	QPSK	Max	0	Max	0	18.76	0.0995
	QPSK	1	0	1	Max	12.34	0.0227
	QPSK	1	Max	1	0	20.88	0.1622
M 55891_56089	QPSK	Max	0	Max	0	18.87	0.1021
	QPSK	1	0	1	Max	12.48	0.0234
	QPSK	1	Max	1	0	21.00	0.1667
H 56442_56640	QPSK	Max	0	Max	0	18.86	0.1019
	QPSK	1	0	1	Max	12.39	0.0230
	QPSK	1	Max	1	0	20.96	0.1652
L 55340_55538	16QAM	Max	0	Max	0	17.93	0.0822
	16QAM	1	0	1	Max	12.27	0.0223
	16QAM	1	Max	1	0	19.88	0.1288
M 55891_56089	16QAM	Max	0	Max	0	17.94	0.0824
	16QAM	1	0	1	Max	12.36	0.0228
	16QAM	1	Max	1	0	19.97	0.1315
H 56442_56640	16QAM	Max	0	Max	0	17.86	0.0809
	16QAM	1	0	1	Max	12.35	0.0228
	16QAM	1	Max	1	0	19.86	0.1282
L 55340_55538	64QAM	Max	0	Max	0	17.78	0.0794
	64QAM	1	0	1	Max	12.35	0.0228
	64QAM	1	Max	1	0	17.93	0.0822
M 55891_56089	64QAM	Max	0	Max	0	17.90	0.0817
	64QAM	1	0	1	Max	12.44	0.0232
	64QAM	1	Max	1	0	17.94	0.0824
H 56442_56640	64QAM	Max	0	Max	0	17.88	0.0813
	64QAM	1	0	1	Max	12.40	0.0230
	64QAM	1	Max	1	0	17.92	0.0820
L 55340_55538	256QAM	Max	0	Max	0	17.73	0.0785
	256QAM	1	0	1	Max	12.33	0.0226
	256QAM	1	Max	1	0	17.89	0.0815
M 55891_56089	256QAM	Max	0	Max	0	17.86	0.0809
	256QAM	1	0	1	Max	12.42	0.0231
	256QAM	1	Max	1	0	17.94	0.0824
H 56442_56640	256QAM	Max	0	Max	0	17.81	0.0800
	256QAM	1	0	1	Max	12.35	0.0228
	256QAM	1	Max	1	0	17.80	0.0798
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55511	QPSK	Max	0	Max	0	18.84	0.1014
	QPSK	1	0	1	Max	12.39	0.0230
	QPSK	1	Max	1	0	20.99	0.1663



M 55916_56087	QPSK	Max	0	Max	0	18.83	0.1012
	QPSK	1	0	1	Max	12.42	0.0231
	QPSK	1	Max	1	0	20.90	0.1629
H 56491_56662	QPSK	Max	0	Max	0	18.74	0.0991
	QPSK	1	0	1	Max	12.44	0.0232
	QPSK	1	Max	1	0	20.91	0.1633
L 55340_55511	16QAM	Max	0	Max	0	17.86	0.0809
	16QAM	1	0	1	Max	12.28	0.0224
	16QAM	1	Max	1	0	19.91	0.1297
M 55916_56087	16QAM	Max	0	Max	0	17.85	0.0807
	16QAM	1	0	1	Max	12.28	0.0224
	16QAM	1	Max	1	0	19.82	0.1271
H 56491_56662	16QAM	Max	0	Max	0	17.82	0.0802
	16QAM	1	0	1	Max	12.29	0.0224
	16QAM	1	Max	1	0	19.85	0.1279
L 55340_55511	64QAM	Max	0	Max	0	17.83	0.0804
	64QAM	1	0	1	Max	12.41	0.0231
	64QAM	1	Max	1	0	17.82	0.0802
M 55916_56087	64QAM	Max	0	Max	0	17.84	0.0805
	64QAM	1	0	1	Max	12.41	0.0231
	64QAM	1	Max	1	0	17.86	0.0809
H 56491_56662	64QAM	Max	0	Max	0	17.88	0.0813
	64QAM	1	0	1	Max	12.39	0.0230
	64QAM	1	Max	1	0	17.89	0.0815
L 55340_55511	256QAM	Max	0	Max	0	17.73	0.0785
	256QAM	1	0	1	Max	12.35	0.0228
	256QAM	1	Max	1	0	17.92	0.0820
M 55916_56087	256QAM	Max	0	Max	0	17.74	0.0787
	256QAM	1	0	1	Max	12.40	0.0230
	256QAM	1	Max	1	0	17.81	0.0800
H 56491_56662	256QAM	Max	0	Max	0	17.78	0.0794
	256QAM	1	0	1	Max	12.27	0.0223
	256QAM	1	Max	1	0	17.85	0.0807
Combination 15MHz+20MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55318_55489	QPSK	Max	0	Max	0	18.82	0.1009
	QPSK	1	0	1	Max	12.44	0.0232
	QPSK	1	Max	1	0	20.95	0.1648
M 55893_56064	QPSK	Max	0	Max	0	18.79	0.1002
	QPSK	1	0	1	Max	12.41	0.0231
	QPSK	1	Max	1	0	20.88	0.1622
H 56469_56640	QPSK	Max	0	Max	0	18.76	0.0995
	QPSK	1	0	1	Max	12.34	0.0227
	QPSK	1	Max	1	0	20.97	0.1656
L	16QAM	Max	0	Max	0	17.90	0.0817



55318_55489	16QAM	1	0	1	Max	12.33	0.0226
	16QAM	1	Max	1	0	19.96	0.1312
M 55893_56064	16QAM	Max	0	Max	0	17.92	0.0820
	16QAM	1	0	1	Max	12.35	0.0228
	16QAM	1	Max	1	0	19.87	0.1285
H 56469_56640	16QAM	Max	0	Max	0	17.93	0.0822
	16QAM	1	0	1	Max	12.22	0.0221
	16QAM	1	Max	1	0	19.92	0.1300
L 55318_55489	64QAM	Max	0	Max	0	17.84	0.0805
	64QAM	1	0	1	Max	12.32	0.0226
	64QAM	1	Max	1	0	17.90	0.0817
M 55893_56064	64QAM	Max	0	Max	0	17.88	0.0813
	64QAM	1	0	1	Max	12.30	0.0225
	64QAM	1	Max	1	0	17.86	0.0809
H 56469_56640	64QAM	Max	0	Max	0	17.86	0.0809
	64QAM	1	0	1	Max	12.31	0.0225
	64QAM	1	Max	1	0	17.92	0.0820
L 55318_55489	256QAM	Max	0	Max	0	17.76	0.0791
	256QAM	1	0	1	Max	12.38	0.0229
	256QAM	1	Max	1	0	17.86	0.0809
M 55893_56064	256QAM	Max	0	Max	0	17.72	0.0783
	256QAM	1	0	1	Max	12.40	0.0230
	256QAM	1	Max	1	0	17.86	0.0809
H 56469_56640	256QAM	Max	0	Max	0	17.82	0.0802
	256QAM	1	0	1	Max	12.27	0.0223
	256QAM	1	Max	1	0	17.85	0.0807
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55484	QPSK	Max	0	Max	0	18.78	0.1000
	QPSK	1	0	1	Max	12.38	0.0229
	QPSK	1	Max	1	0	20.92	0.1637
M 55941_56085	QPSK	Max	0	Max	0	18.84	0.1014
	QPSK	1	0	1	Max	12.37	0.0229
	QPSK	1	Max	1	0	20.89	0.1626
H 56541_56685	QPSK	Max	0	Max	0	18.81	0.1007
	QPSK	1	0	1	Max	12.40	0.0230
	QPSK	1	Max	1	0	20.89	0.1626
L 55340_55484	16QAM	Max	0	Max	0	17.92	0.0820
	16QAM	1	0	1	Max	12.23	0.0221
	16QAM	1	Max	1	0	19.93	0.1303
M 55941_56085	16QAM	Max	0	Max	0	17.93	0.0822
	16QAM	1	0	1	Max	12.31	0.0225
	16QAM	1	Max	1	0	19.96	0.1312
H 56541_56685	16QAM	Max	0	Max	0	17.88	0.0813
	16QAM	1	0	1	Max	12.23	0.0221



	16QAM	1	Max	1	0	19.89	0.1291
L 55340_55484	64QAM	Max	0	Max	0	17.84	0.0805
	64QAM	1	0	1	Max	12.39	0.0230
	64QAM	1	Max	1	0	17.93	0.0822
M 55941_56085	64QAM	Max	0	Max	0	17.75	0.0789
	64QAM	1	0	1	Max	12.42	0.0231
	64QAM	1	Max	1	0	17.90	0.0817
H 56541_56685	64QAM	Max	0	Max	0	17.76	0.0791
	64QAM	1	0	1	Max	12.32	0.0226
	64QAM	1	Max	1	0	17.79	0.0796
L 55340_55484	256QAM	Max	0	Max	0	17.76	0.0791
	256QAM	1	0	1	Max	12.35	0.0228
	256QAM	1	Max	1	0	17.86	0.0809
M 55941_56085	256QAM	Max	0	Max	0	17.76	0.0791
	256QAM	1	0	1	Max	12.39	0.0230
	256QAM	1	Max	1	0	17.80	0.0798
H 56541_56685	256QAM	Max	0	Max	0	17.71	0.0782
	256QAM	1	0	1	Max	12.39	0.0230
	256QAM	1	Max	1	0	17.86	0.0809
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55295_55439	QPSK	Max	0	Max	0	18.72	0.0986
	QPSK	1	0	1	Max	12.44	0.0232
	QPSK	1	Max	1	0	20.93	0.1641
M 55896_56040	QPSK	Max	0	Max	0	18.82	0.1009
	QPSK	1	0	1	Max	12.34	0.0227
	QPSK	1	Max	1	0	20.88	0.1622
H 56496_56640	QPSK	Max	0	Max	0	18.81	0.1007
	QPSK	1	0	1	Max	12.43	0.0232
	QPSK	1	Max	1	0	20.94	0.1644
L 55295_55439	16QAM	Max	0	Max	0	17.86	0.0809
	16QAM	1	0	1	Max	12.26	0.0223
	16QAM	1	Max	1	0	19.92	0.1300
M 55896_56040	16QAM	Max	0	Max	0	17.80	0.0798
	16QAM	1	0	1	Max	12.26	0.0223
	16QAM	1	Max	1	0	19.87	0.1285
H 56496_56640	16QAM	Max	0	Max	0	17.84	0.0805
	16QAM	1	0	1	Max	12.24	0.0222
	16QAM	1	Max	1	0	19.95	0.1309
L 55295_55439	64QAM	Max	0	Max	0	17.83	0.0804
	64QAM	1	0	1	Max	12.42	0.0231
	64QAM	1	Max	1	0	17.83	0.0804
M 55896_56040	64QAM	Max	0	Max	0	17.87	0.0811
	64QAM	1	0	1	Max	12.39	0.0230
	64QAM	1	Max	1	0	17.89	0.0815



H 56496_56640	64QAM	Max	0	Max	0	17.82	0.0802
	64QAM	1	0	1	Max	12.29	0.0224
	64QAM	1	Max	1	0	17.79	0.0796
L 55295_55439	256QAM	Max	0	Max	0	17.80	0.0798
	256QAM	1	0	1	Max	12.40	0.0230
	256QAM	1	Max	1	0	17.87	0.0811
M 55896_56040	256QAM	Max	0	Max	0	17.71	0.0782
	256QAM	1	0	1	Max	12.29	0.0224
	256QAM	1	Max	1	0	17.87	0.0811
H 56496_56640	256QAM	Max	0	Max	0	17.74	0.0787
	256QAM	1	0	1	Max	12.36	0.0228
	256QAM	1	Max	1	0	17.84	0.0805
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55340_55457	QPSK	Max	0	Max	0	18.74	0.0991
	QPSK	1	0	1	Max	12.35	0.0228
	QPSK	1	Max	1	0	20.85	0.1611
M 55965_56082	QPSK	Max	0	Max	0	18.82	0.1009
	QPSK	1	0	1	Max	12.47	0.0234
	QPSK	1	Max	1	0	20.90	0.1629
H 56590_56707	QPSK	Max	0	Max	0	18.77	0.0998
	QPSK	1	0	1	Max	12.38	0.0229
	QPSK	1	Max	1	0	20.98	0.1660
L 55340_55457	16QAM	Max	0	Max	0	17.82	0.0802
	16QAM	1	0	1	Max	12.31	0.0225
	16QAM	1	Max	1	0	19.93	0.1303
M 55965_56082	16QAM	Max	0	Max	0	17.84	0.0805
	16QAM	1	0	1	Max	12.33	0.0226
	16QAM	1	Max	1	0	19.84	0.1276
H 56590_56707	16QAM	Max	0	Max	0	17.85	0.0807
	16QAM	1	0	1	Max	12.23	0.0221
	16QAM	1	Max	1	0	19.91	0.1297
L 55340_55457	64QAM	Max	0	Max	0	17.87	0.0811
	64QAM	1	0	1	Max	12.40	0.0230
	64QAM	1	Max	1	0	17.85	0.0807
M 55965_56082	64QAM	Max	0	Max	0	17.75	0.0789
	64QAM	1	0	1	Max	12.31	0.0225
	64QAM	1	Max	1	0	17.89	0.0815
H 56590_56707	64QAM	Max	0	Max	0	17.81	0.0800
	64QAM	1	0	1	Max	12.38	0.0229
	64QAM	1	Max	1	0	17.86	0.0809
L 55340_55457	256QAM	Max	0	Max	0	17.79	0.0796
	256QAM	1	0	1	Max	12.35	0.0228
	256QAM	1	Max	1	0	17.90	0.0817
M	256QAM	Max	0	Max	0	17.85	0.0807



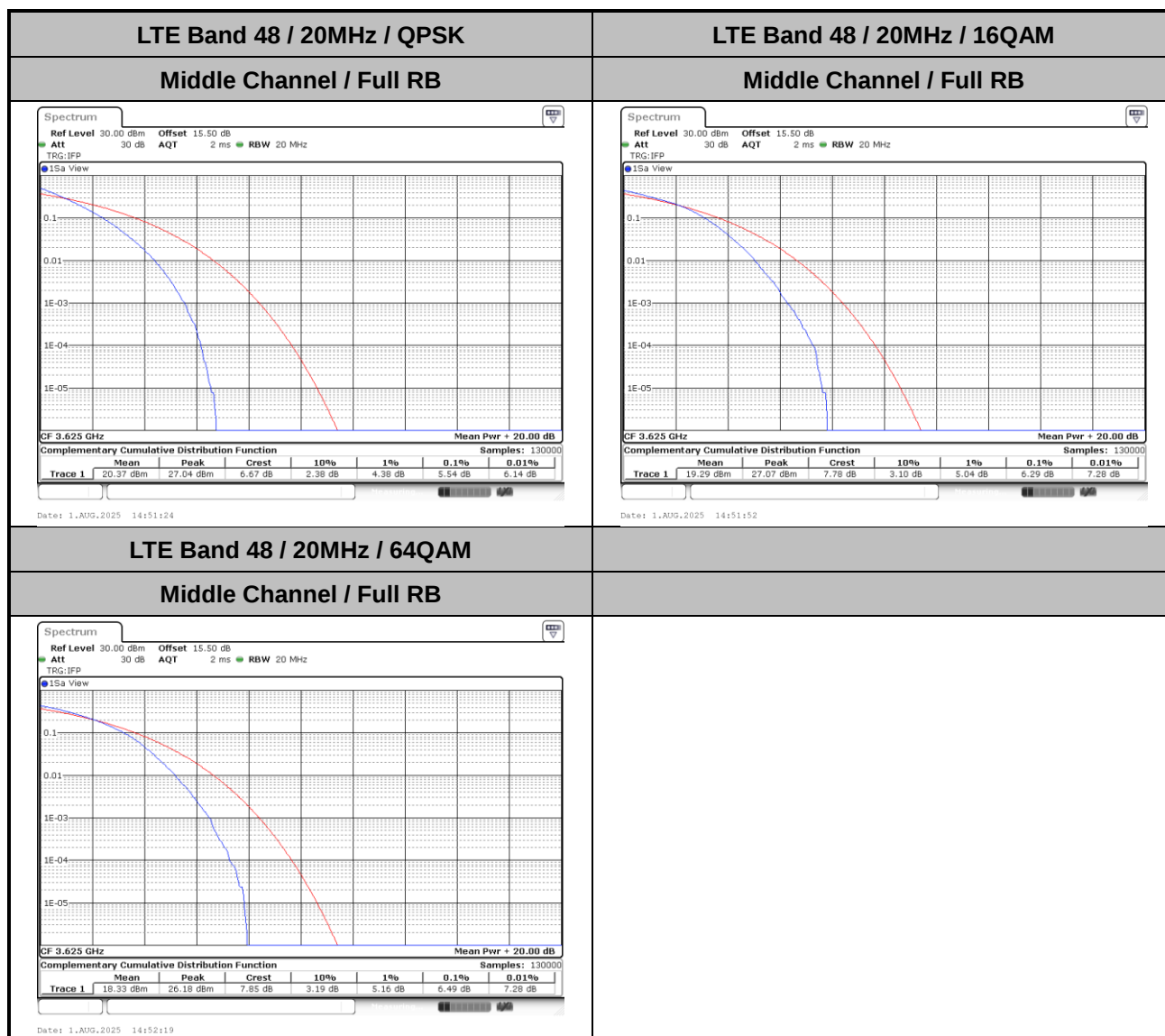
55965_56082	256QAM	1	0	1	Max	12.32	0.0226
	256QAM	1	Max	1	0	17.81	0.0800
H 56590_56707	256QAM	Max	0	Max	0	17.73	0.0785
	256QAM	1	0	1	Max	12.40	0.0230
	256QAM	1	Max	1	0	17.83	0.0804
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 55273_55390	QPSK	Max	0	Max	0	18.81	0.1007
	QPSK	1	0	1	Max	12.36	0.0228
	QPSK	1	Max	1	0	20.98	0.1660
M 55898_5615	QPSK	Max	0	Max	0	18.86	0.1019
	QPSK	1	0	1	Max	12.42	0.0231
	QPSK	1	Max	1	0	20.96	0.1652
H 56523_56640	QPSK	Max	0	Max	0	18.85	0.1016
	QPSK	1	0	1	Max	12.41	0.0231
	QPSK	1	Max	1	0	20.94	0.1644
L 55273_55390	16QAM	Max	0	Max	0	17.86	0.0809
	16QAM	1	0	1	Max	12.35	0.0228
	16QAM	1	Max	1	0	19.85	0.1279
M 55898_5615	16QAM	Max	0	Max	0	17.82	0.0802
	16QAM	1	0	1	Max	12.21	0.0220
	16QAM	1	Max	1	0	19.86	0.1282
H 56523_56640	16QAM	Max	0	Max	0	17.86	0.0809
	16QAM	1	0	1	Max	12.27	0.0223
	16QAM	1	Max	1	0	19.88	0.1288
L 55273_55390	64QAM	Max	0	Max	0	17.86	0.0809
	64QAM	1	0	1	Max	12.37	0.0229
	64QAM	1	Max	1	0	17.91	0.0818
M 55898_5615	64QAM	Max	0	Max	0	17.88	0.0813
	64QAM	1	0	1	Max	12.33	0.0226
	64QAM	1	Max	1	0	17.89	0.0815
H 56523_56640	64QAM	Max	0	Max	0	17.87	0.0811
	64QAM	1	0	1	Max	12.37	0.0229
	64QAM	1	Max	1	0	17.91	0.0818
L 55273_55390	256QAM	Max	0	Max	0	17.75	0.0789
	256QAM	1	0	1	Max	12.38	0.0229
	256QAM	1	Max	1	0	17.90	0.0817
M 55898_5615	256QAM	Max	0	Max	0	17.74	0.0787
	256QAM	1	0	1	Max	12.33	0.0226
	256QAM	1	Max	1	0	17.91	0.0818
H 56523_56640	256QAM	Max	0	Max	0	17.85	0.0807
	256QAM	1	0	1	Max	12.27	0.0223
	256QAM	1	Max	1	0	17.88	0.0813



LTE Band 48

Peak-to-Average Ratio

Mode	LTE Band 48 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.54	6.29	6.49	PASS





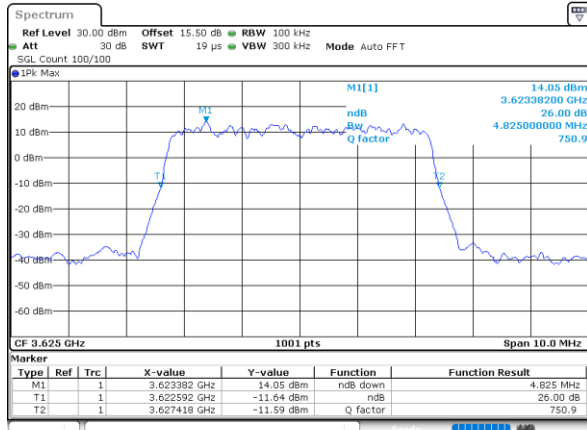
26dB Bandwidth

Mode	LTE Band 48 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.83	4.91	9.63	9.69	14.42	14.18	18.82	18.78

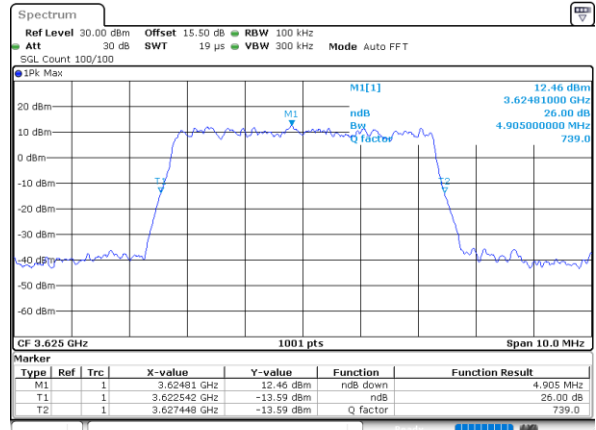


LTE Band 48

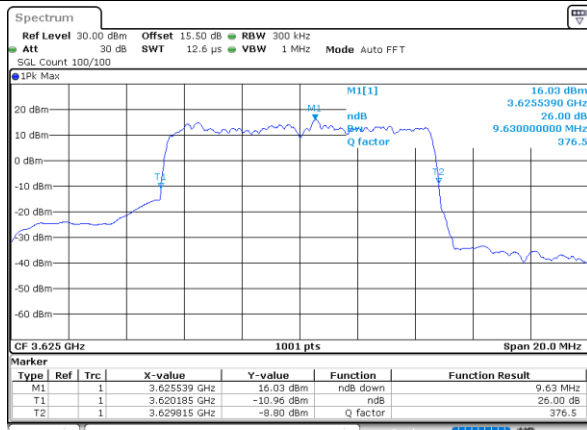
Middle Channel / 5MHz / QPSK



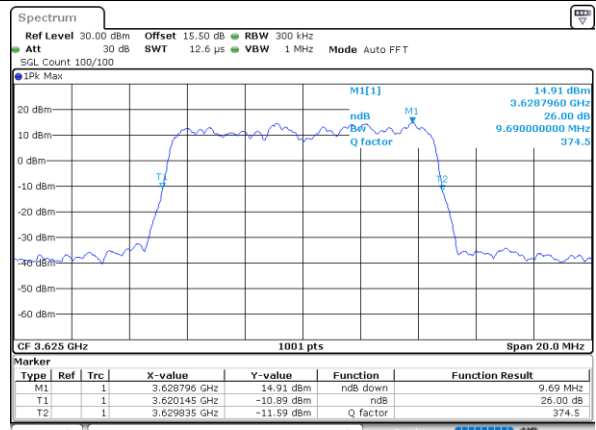
Middle Channel / 5MHz / 16QAM



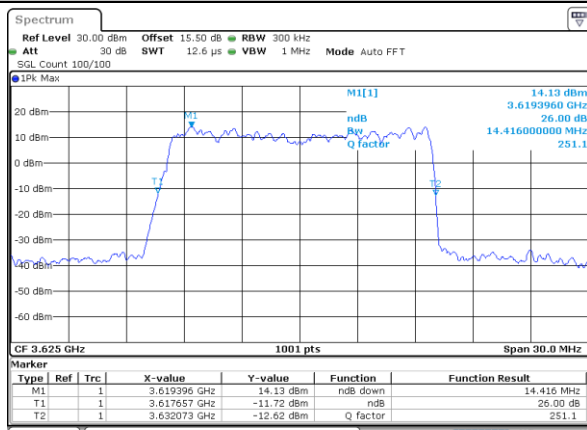
Middle Channel / 10MHz / QPSK



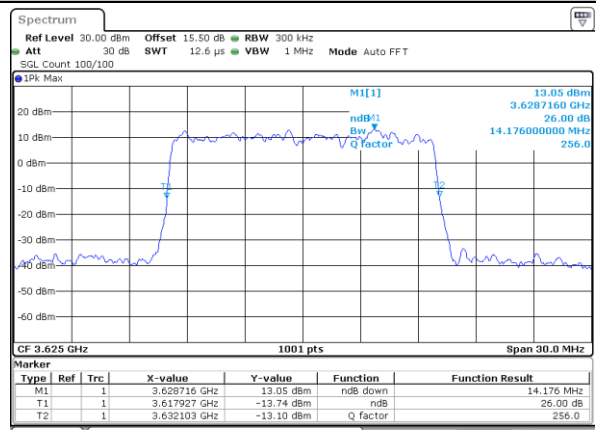
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



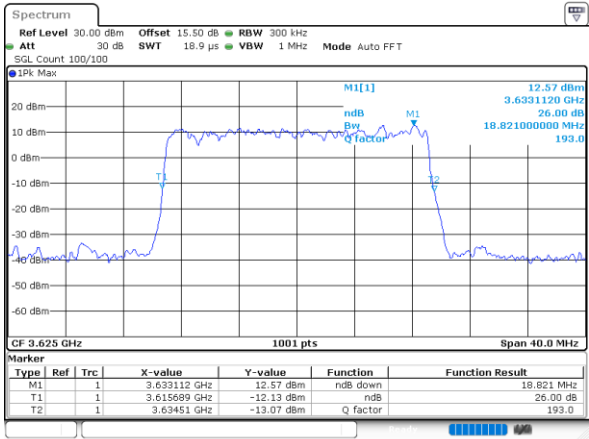
Middle Channel / 15MHz / 16QAM





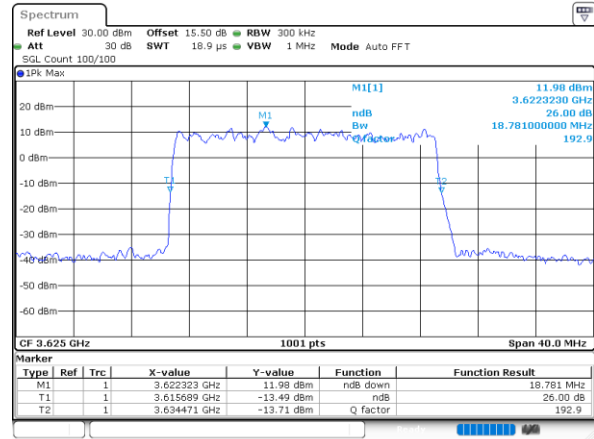
LTE Band 48

Middle Channel / 20MHz / QPSK



Date: 1.AUG.2025 14:48:30

Middle Channel / 20MHz / 16QAM



Date: 1.AUG.2025 14:48:05



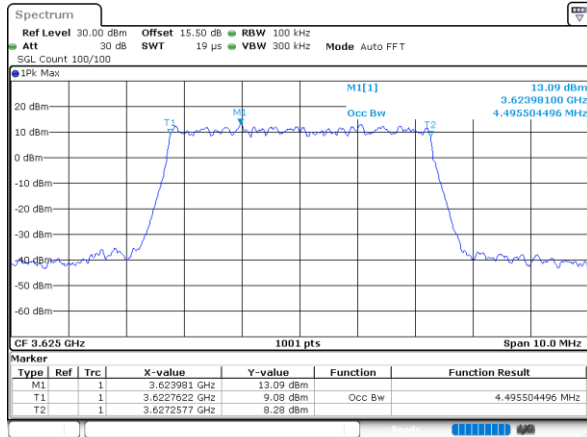
Occupied Bandwidth

Mode	LTE Band 48 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.50	9.05	8.95	13.34	13.43	17.90	17.90

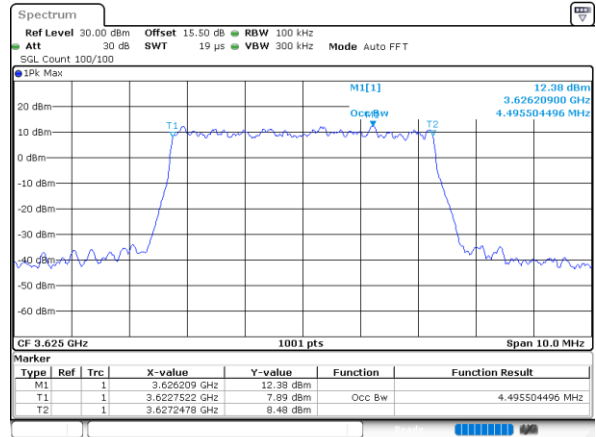


LTE Band 48

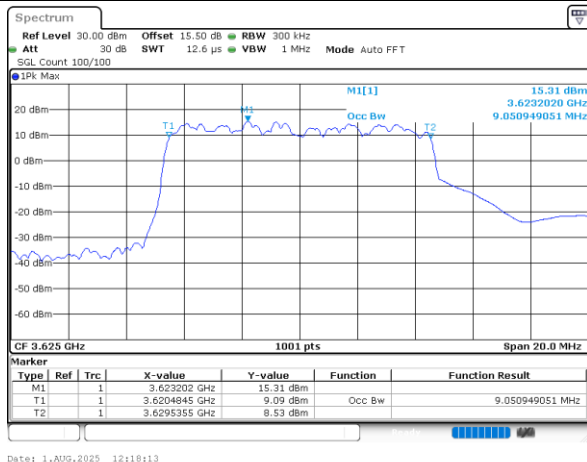
Middle Channel / 5MHz / QPSK



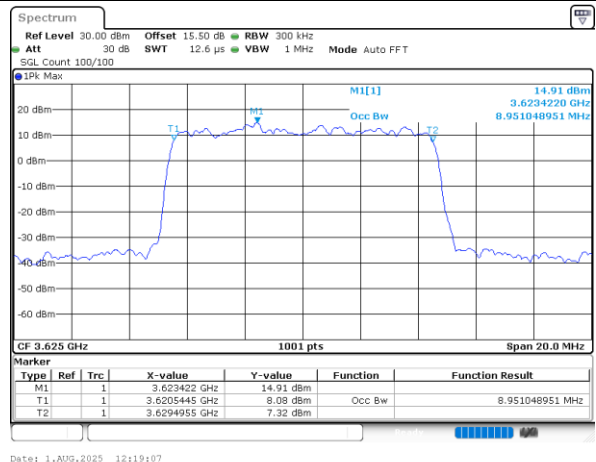
Middle Channel / 5MHz / 16QAM



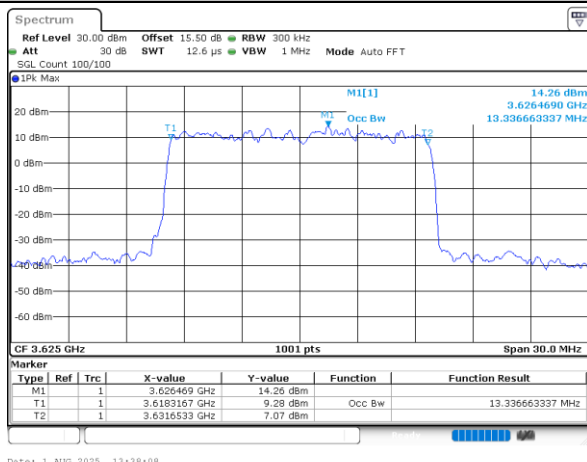
Middle Channel / 10MHz / QPSK



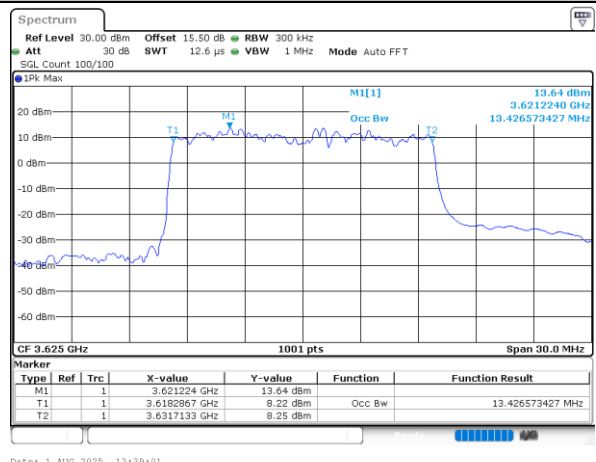
Middle Channel / 10MHz / 16QAM

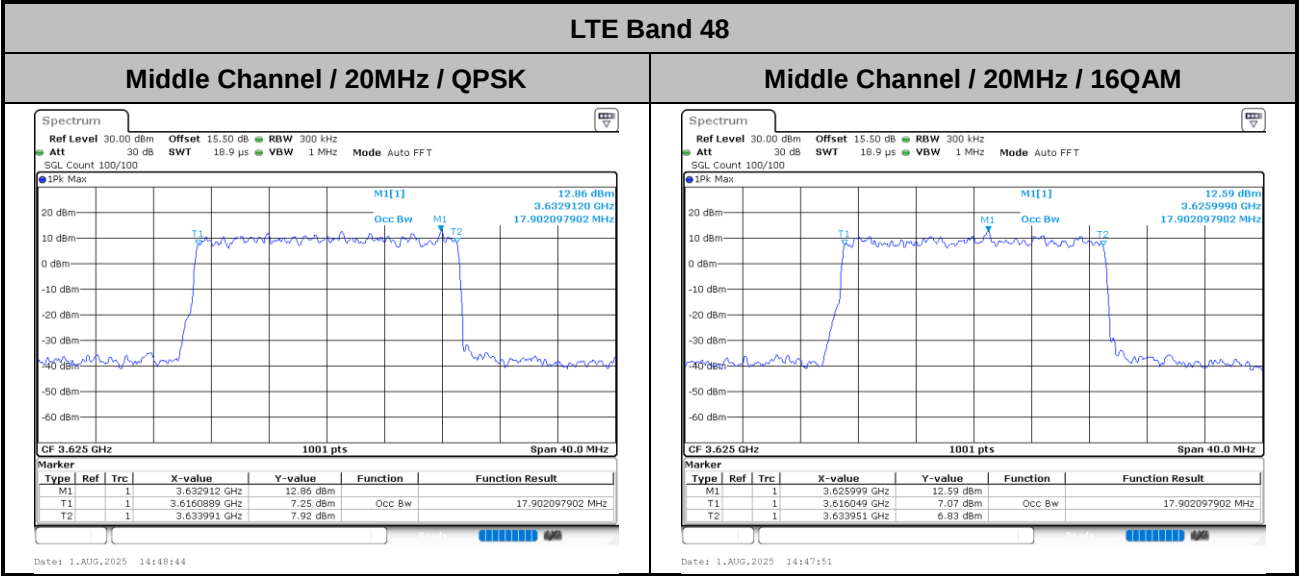


Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM





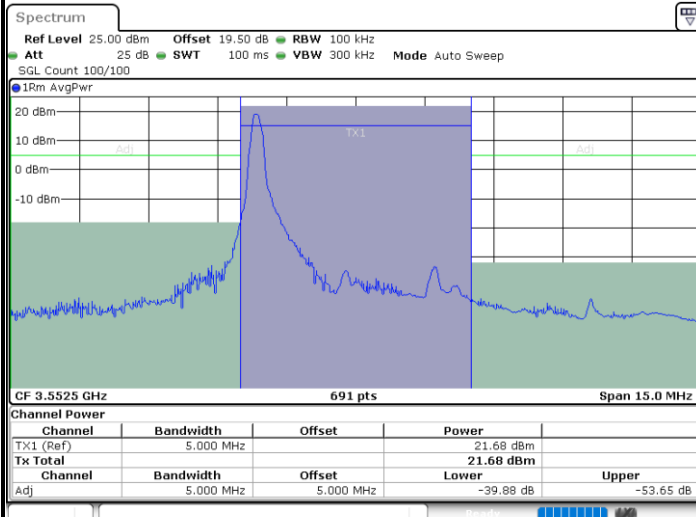


ACLR

LTE Band 48 / 5MHz

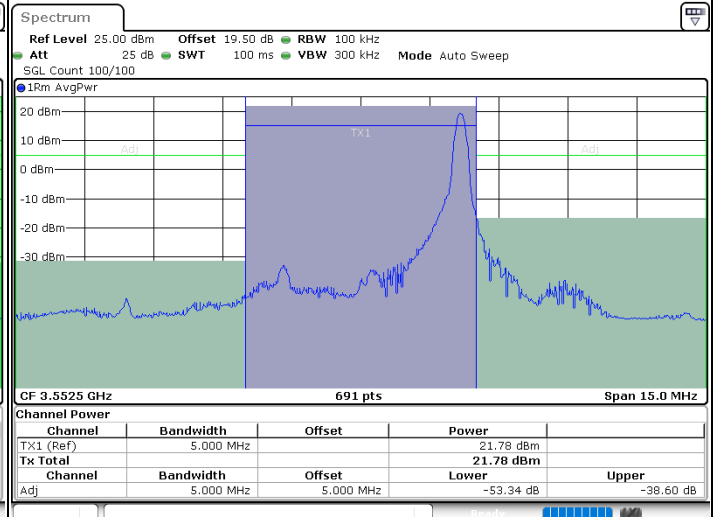
QPSK

Lowest Channel / 1RB0



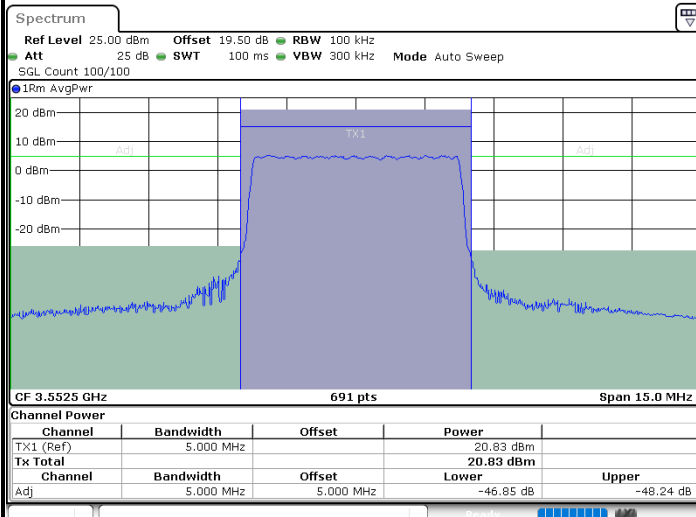
Date: 1.AUG.2025 09:17:48

Lowest Channel / 1RBmax



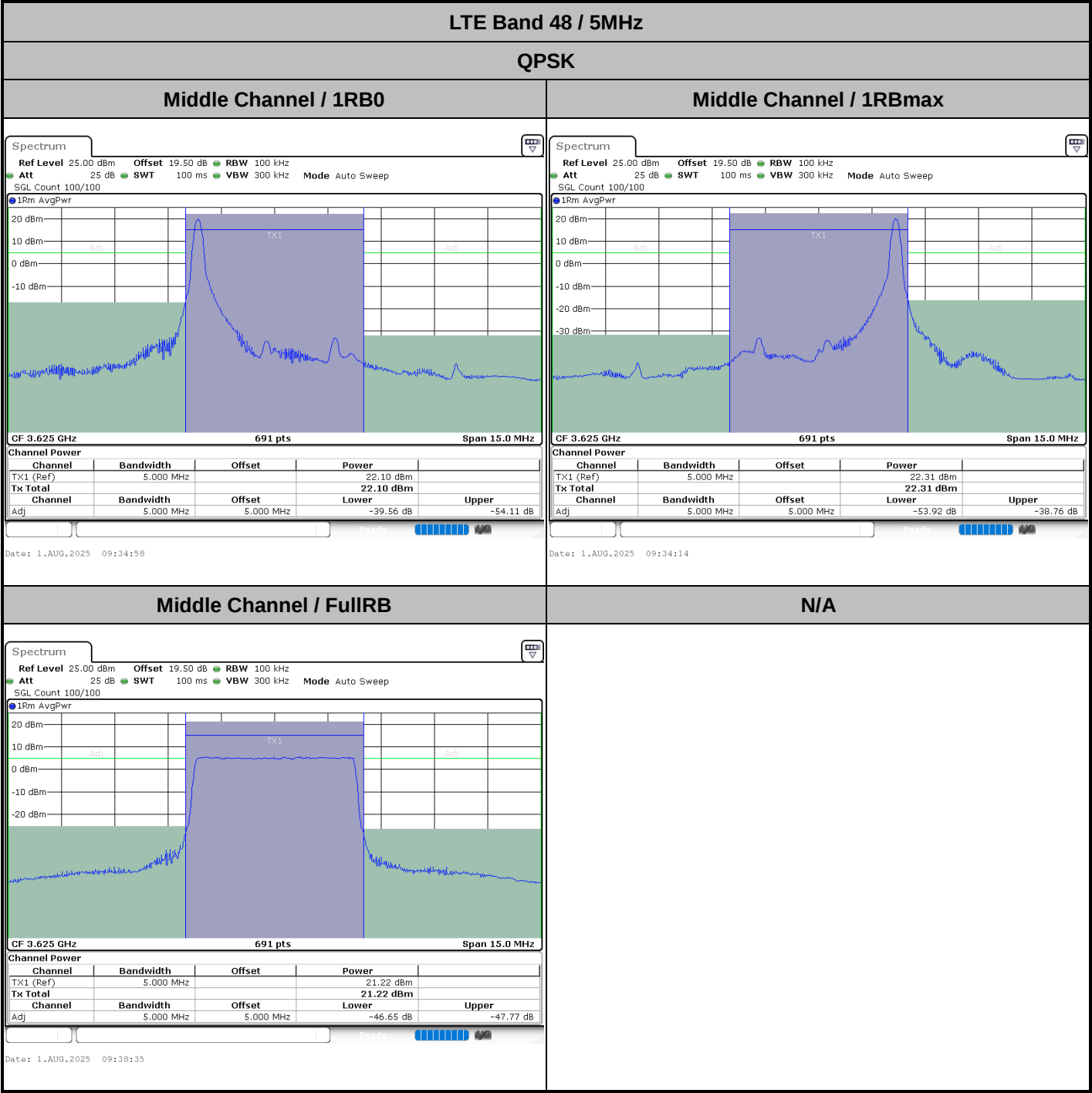
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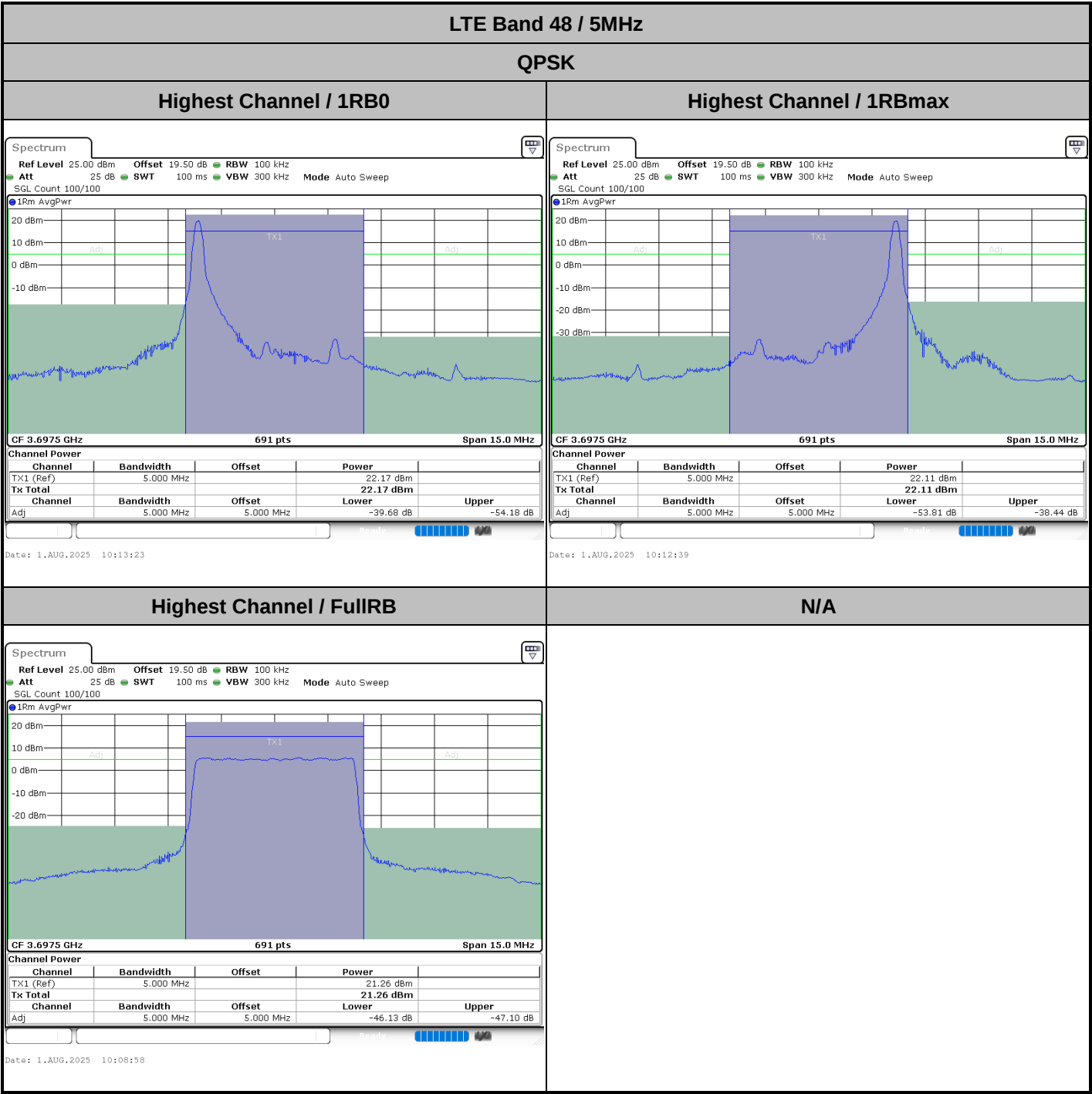
Lowest Channel / FullIRB



Date: 1.AUG.2025 09:14:07

N/A



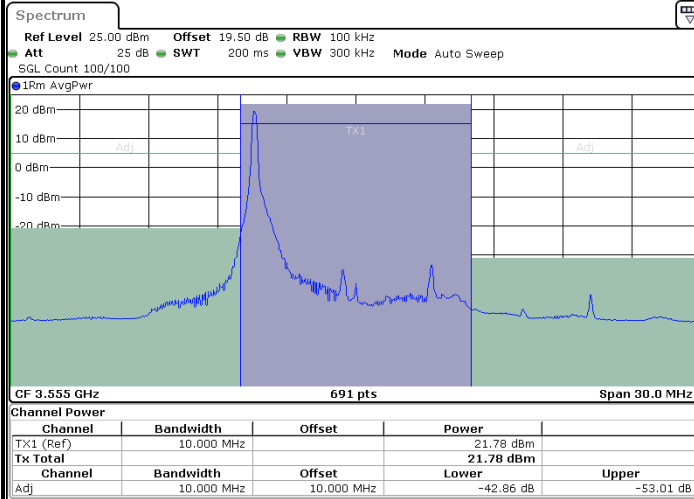




LTE Band 48 / 10MHz

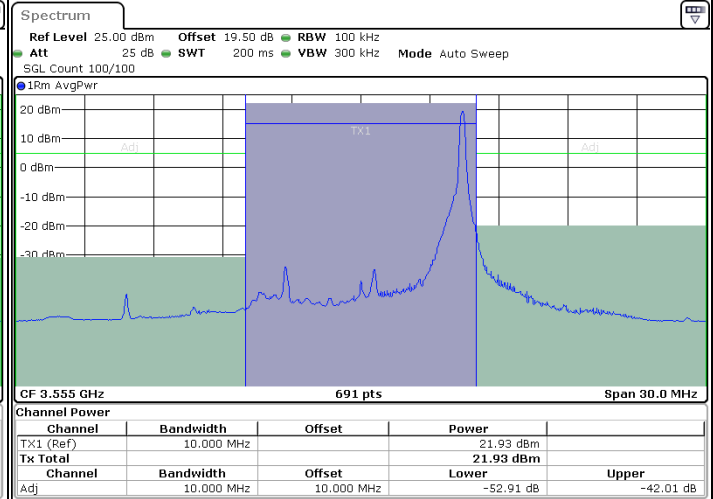
QPSK

Lowest Channel / 1RB0



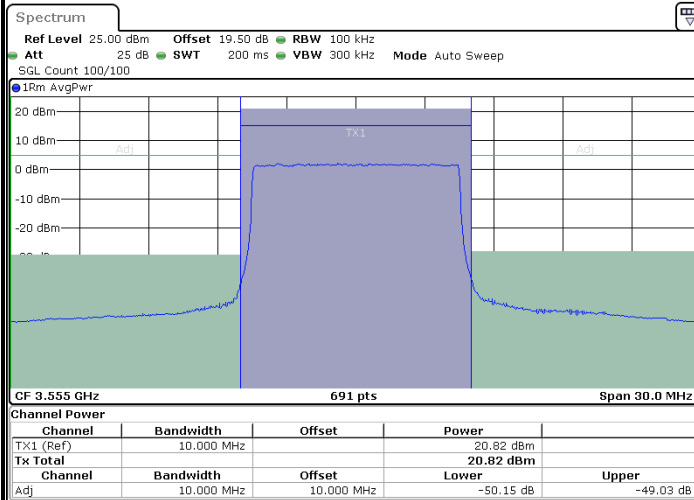
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Lowest Channel / 1RBmax



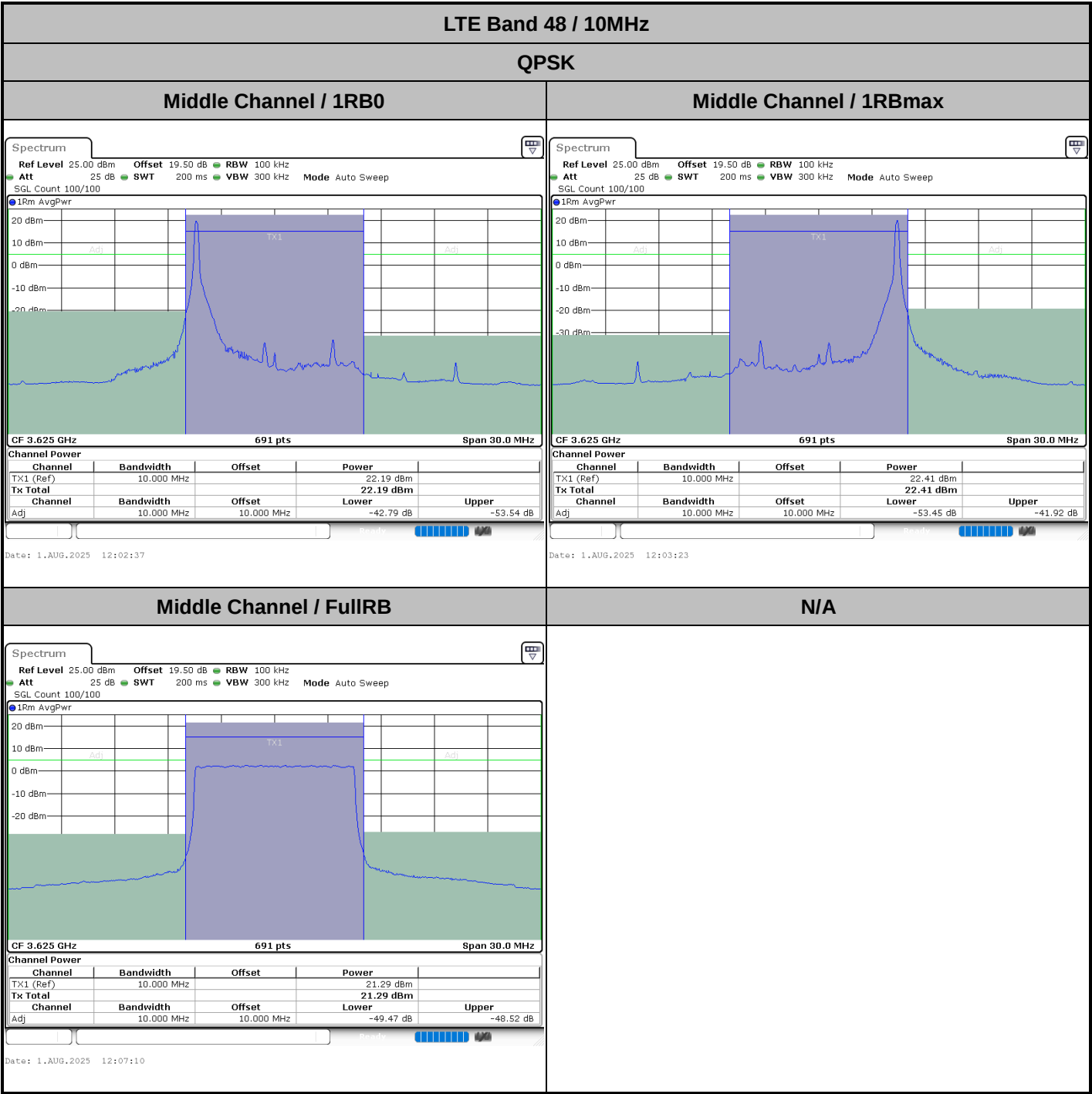
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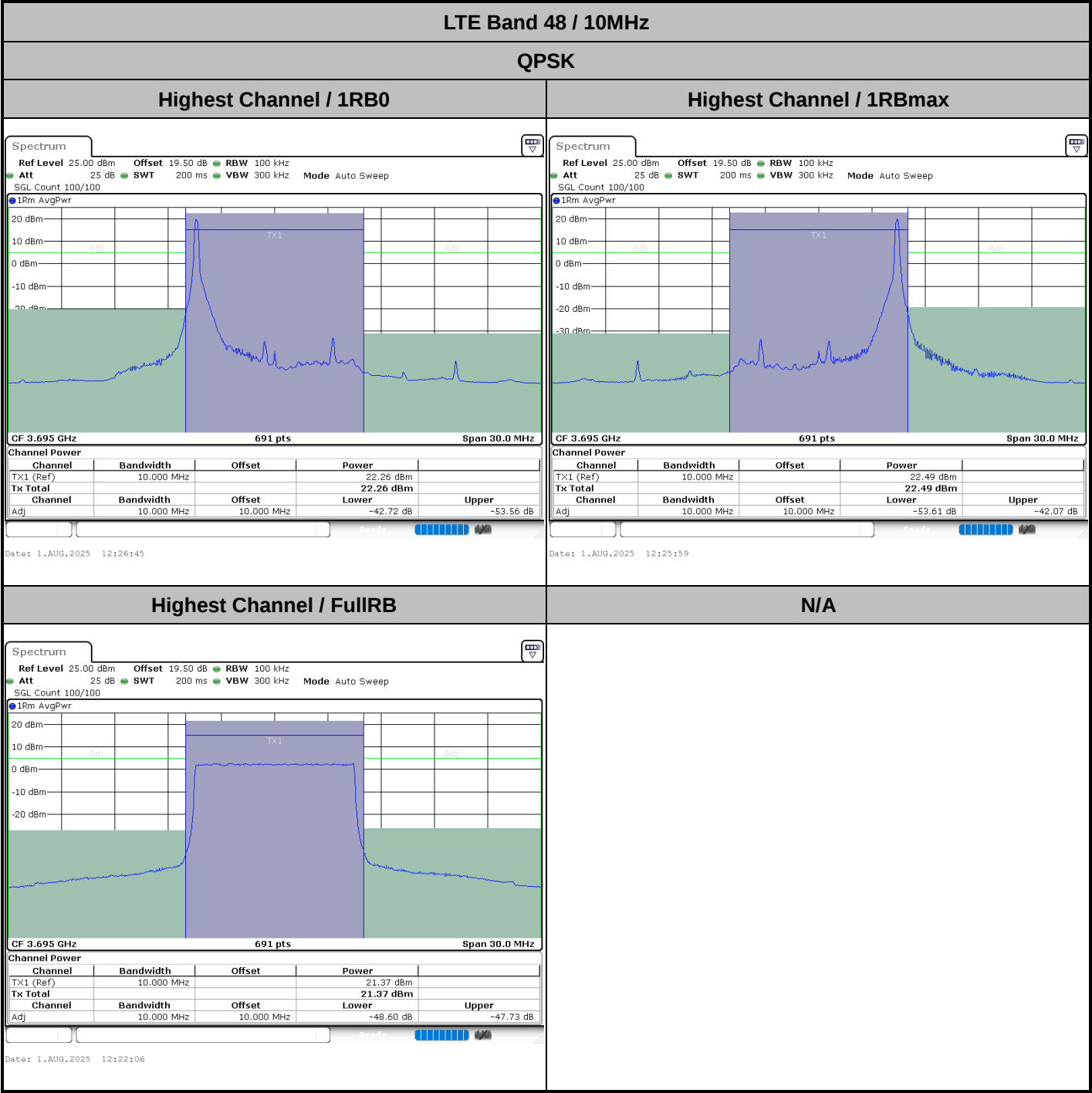
Lowest Channel / FullIRB

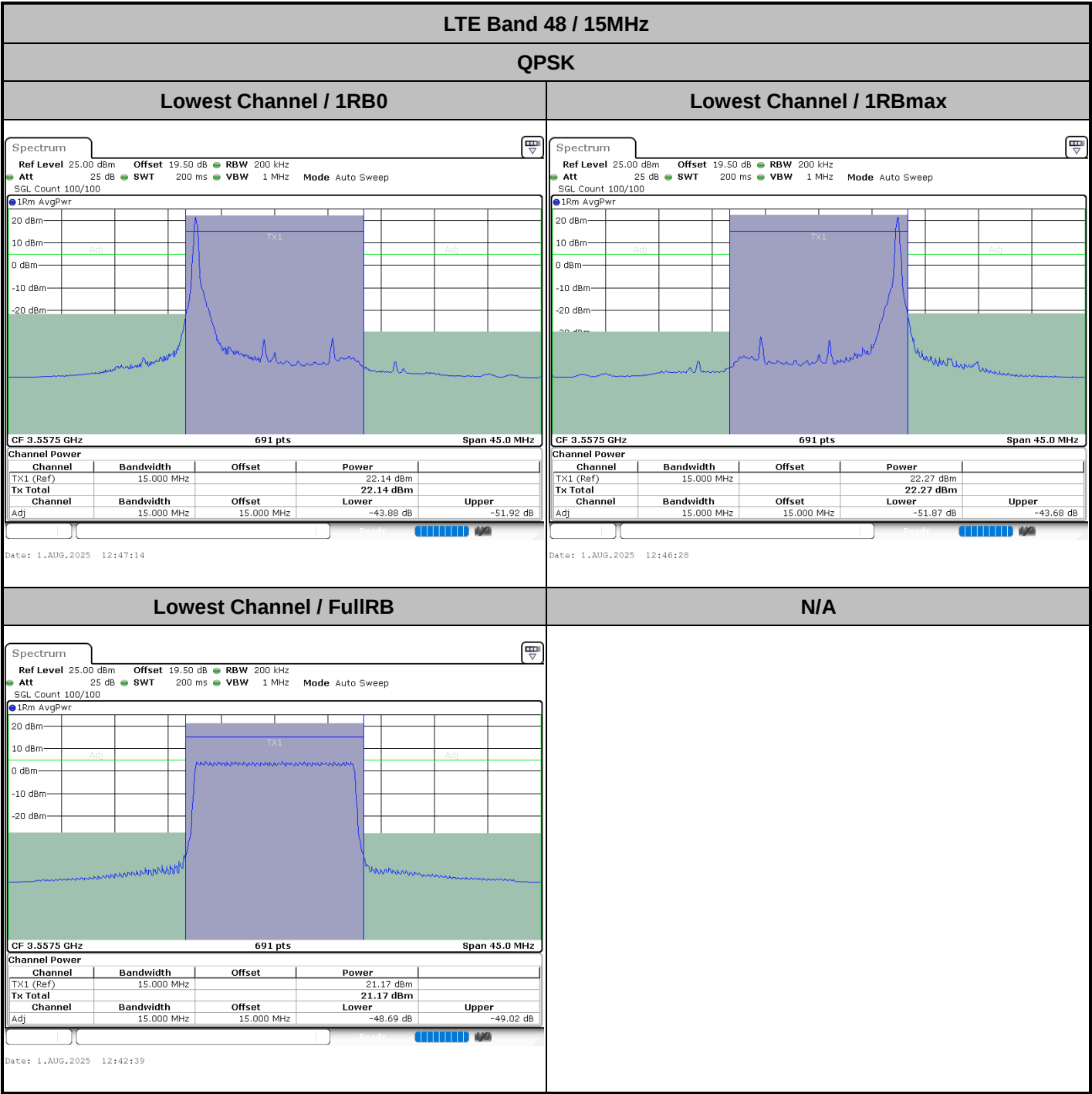


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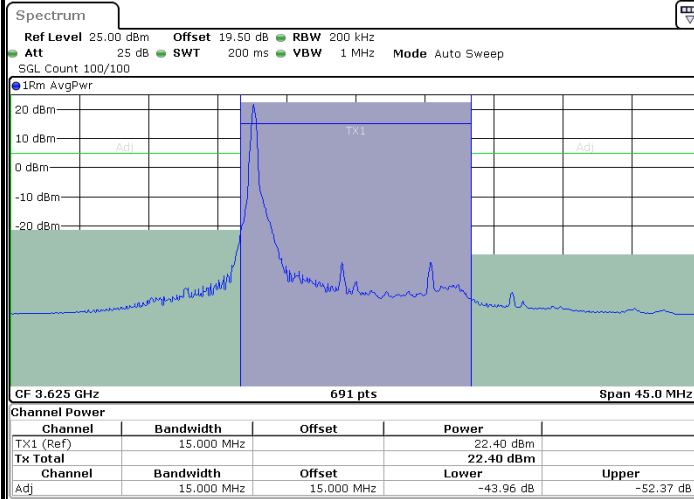




LTE Band 48 / 15MHz

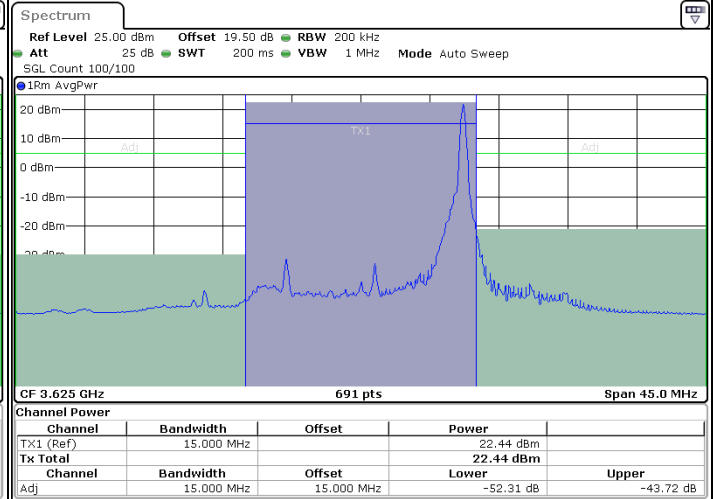
QPSK

Middle Channel / 1RB0



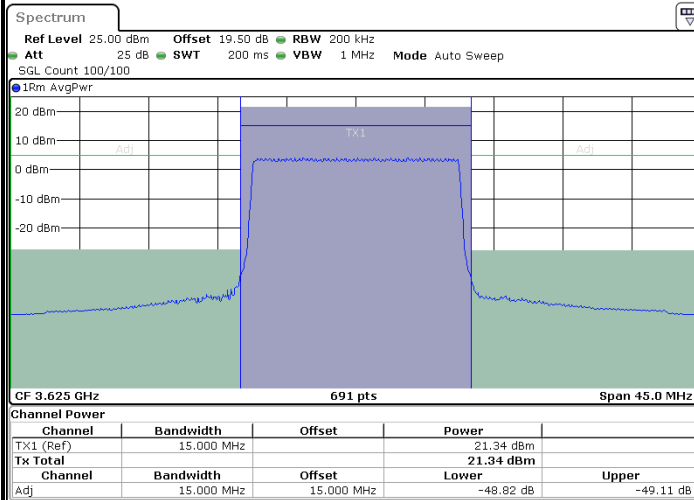
Date: 1.AUG.2025 13:03:56

Middle Channel / 1RBmax



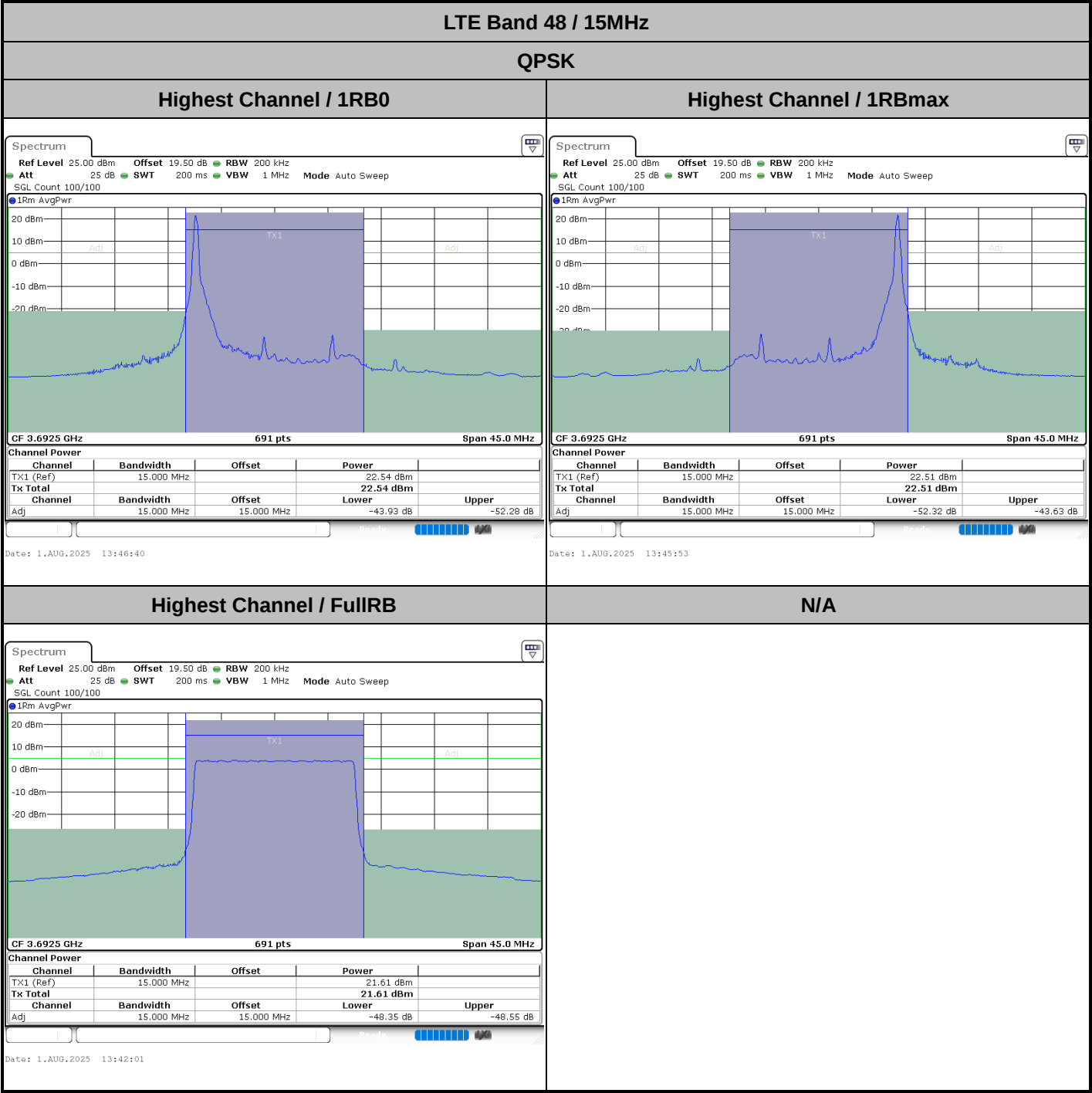
Date: 1.AUG.2025 13:04:42

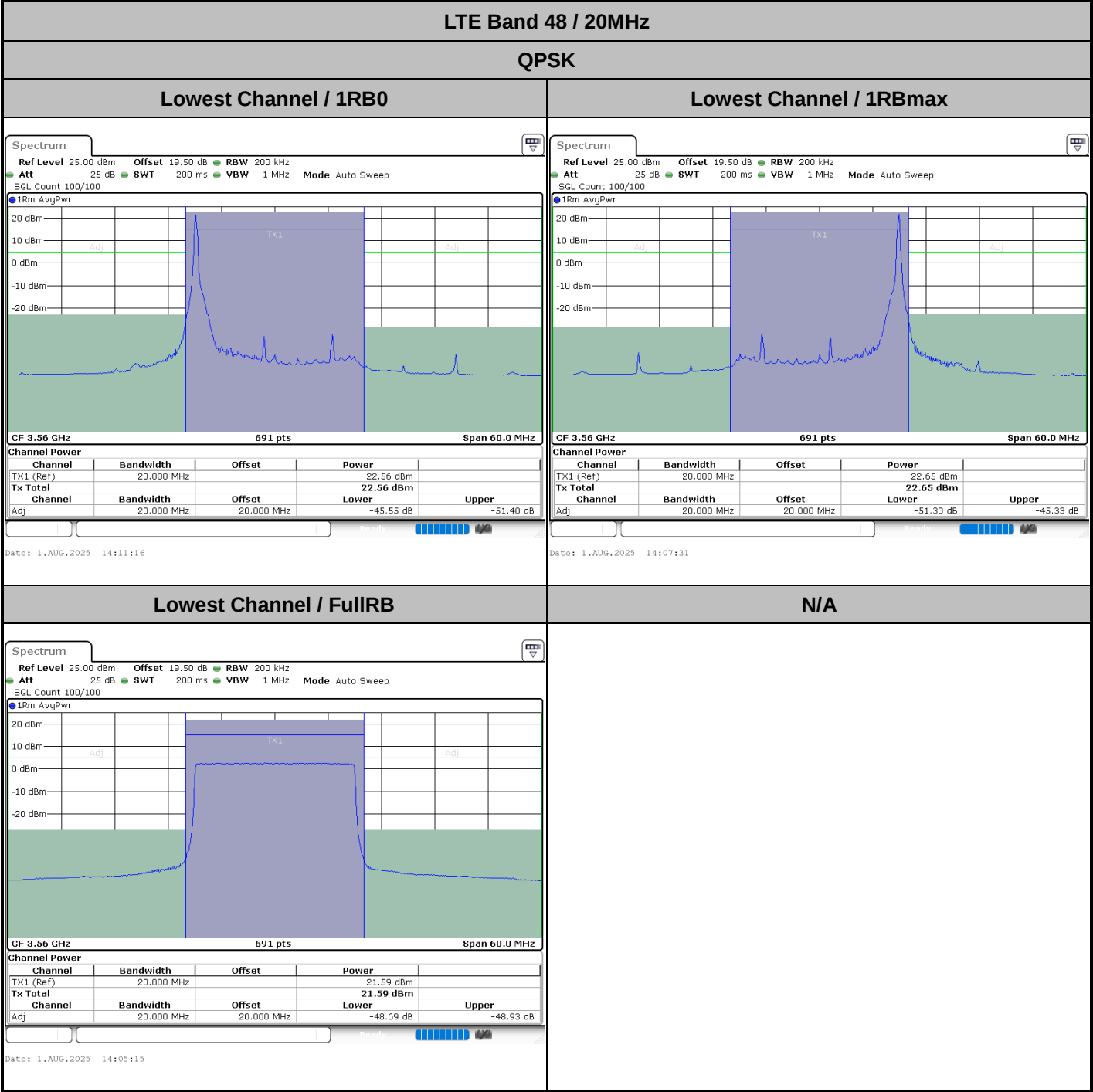
Middle Channel / FullRB

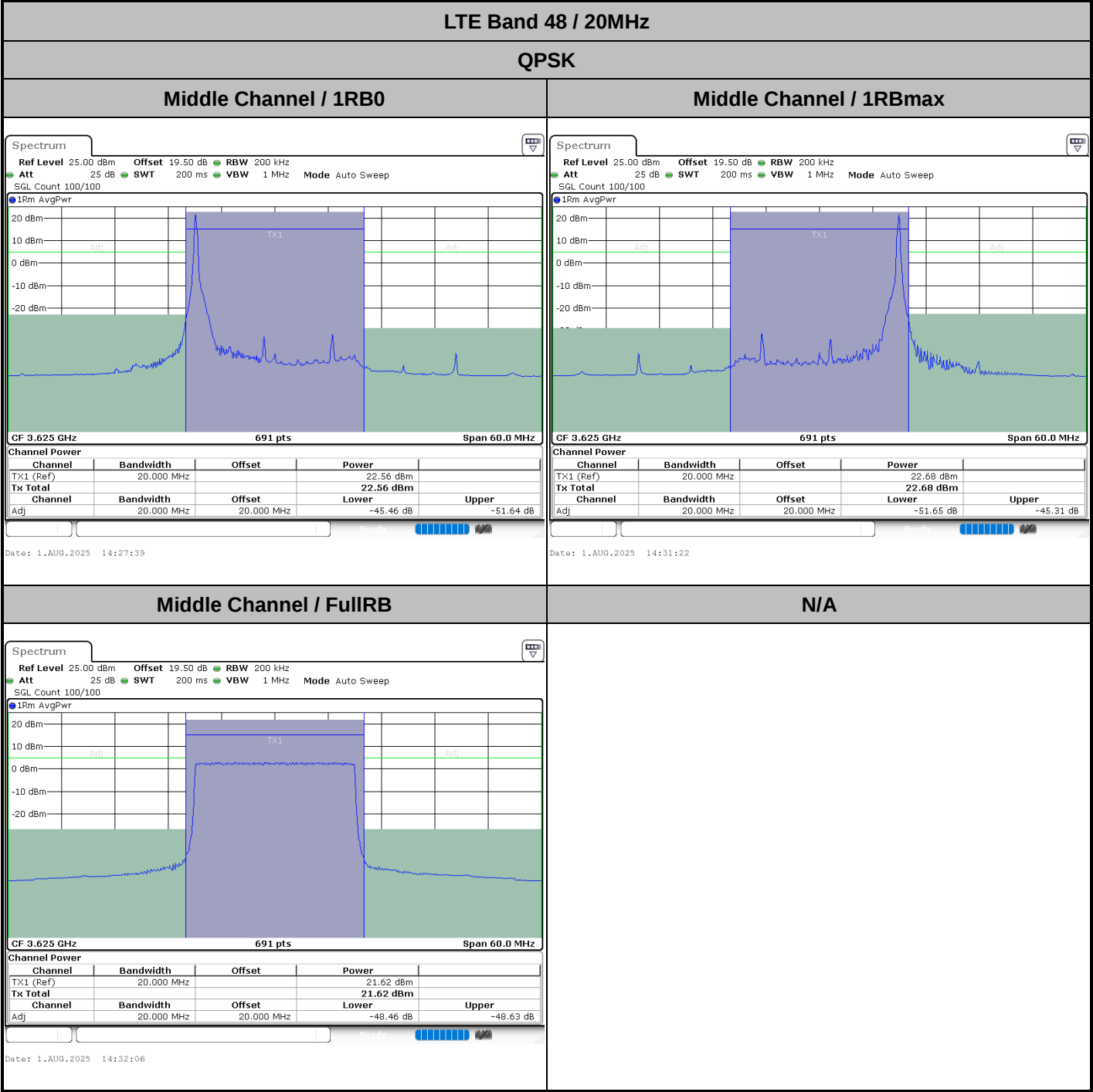


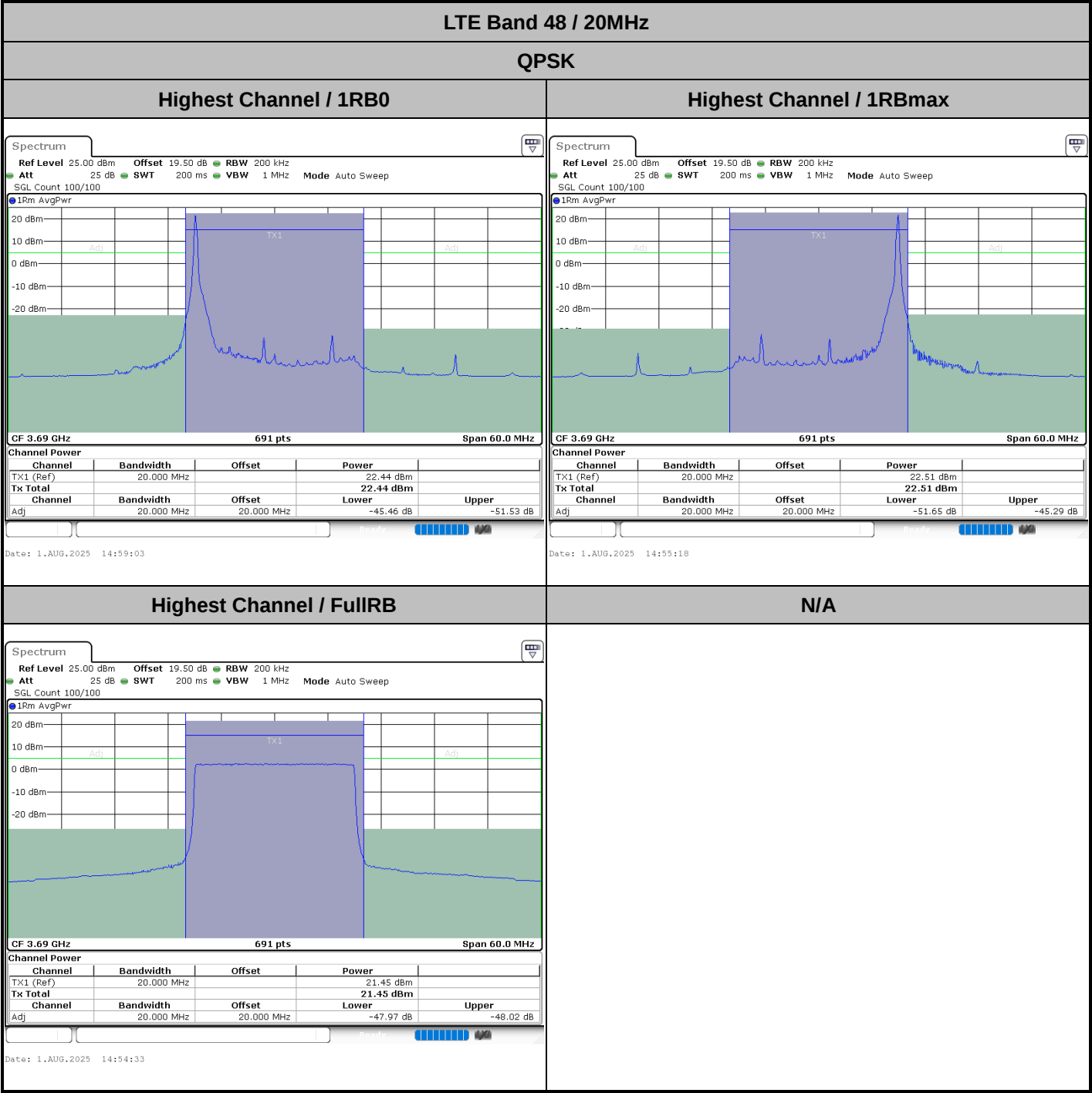
Date: 1.AUG.2025 13:23:46

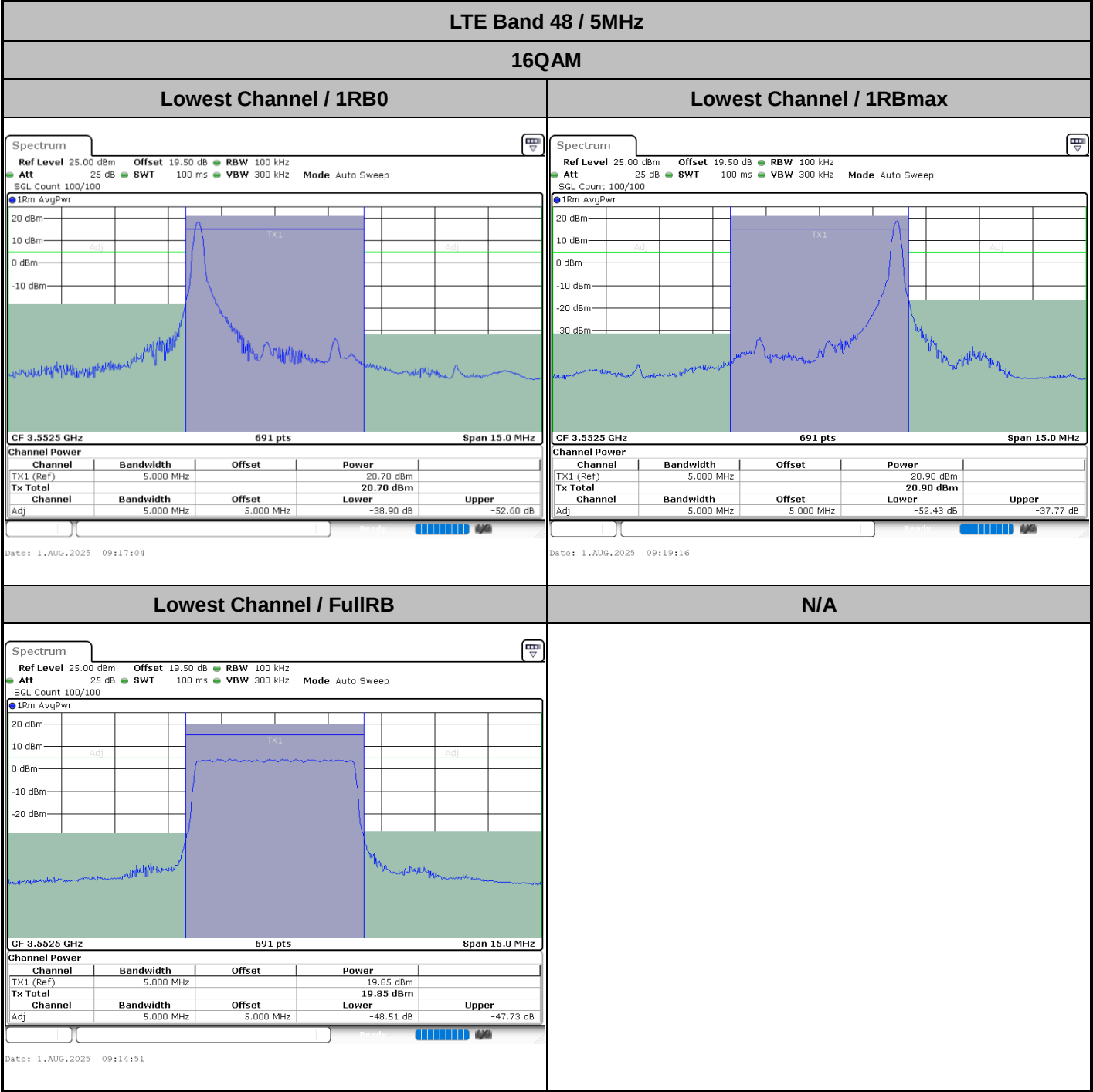
N/A

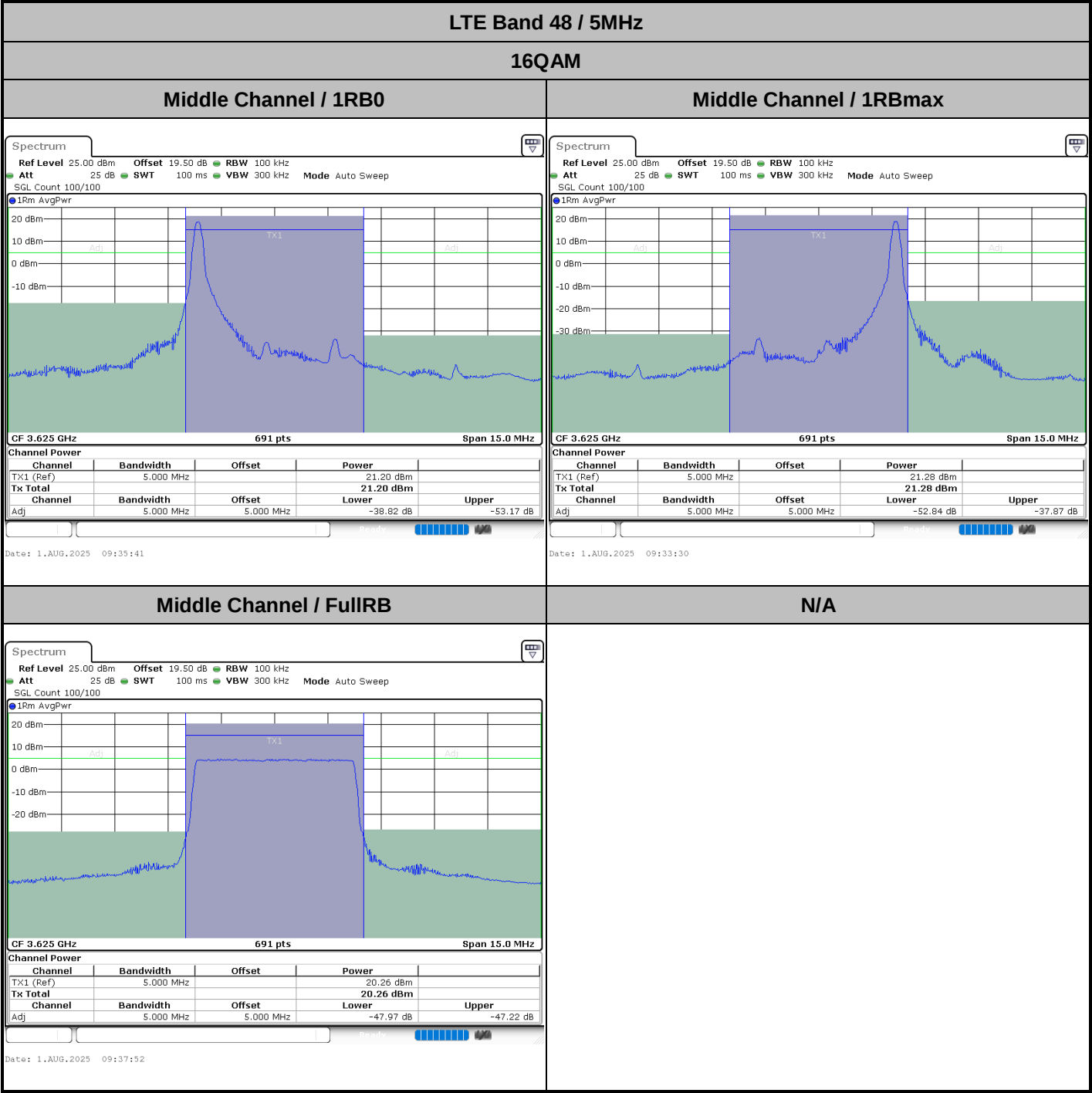


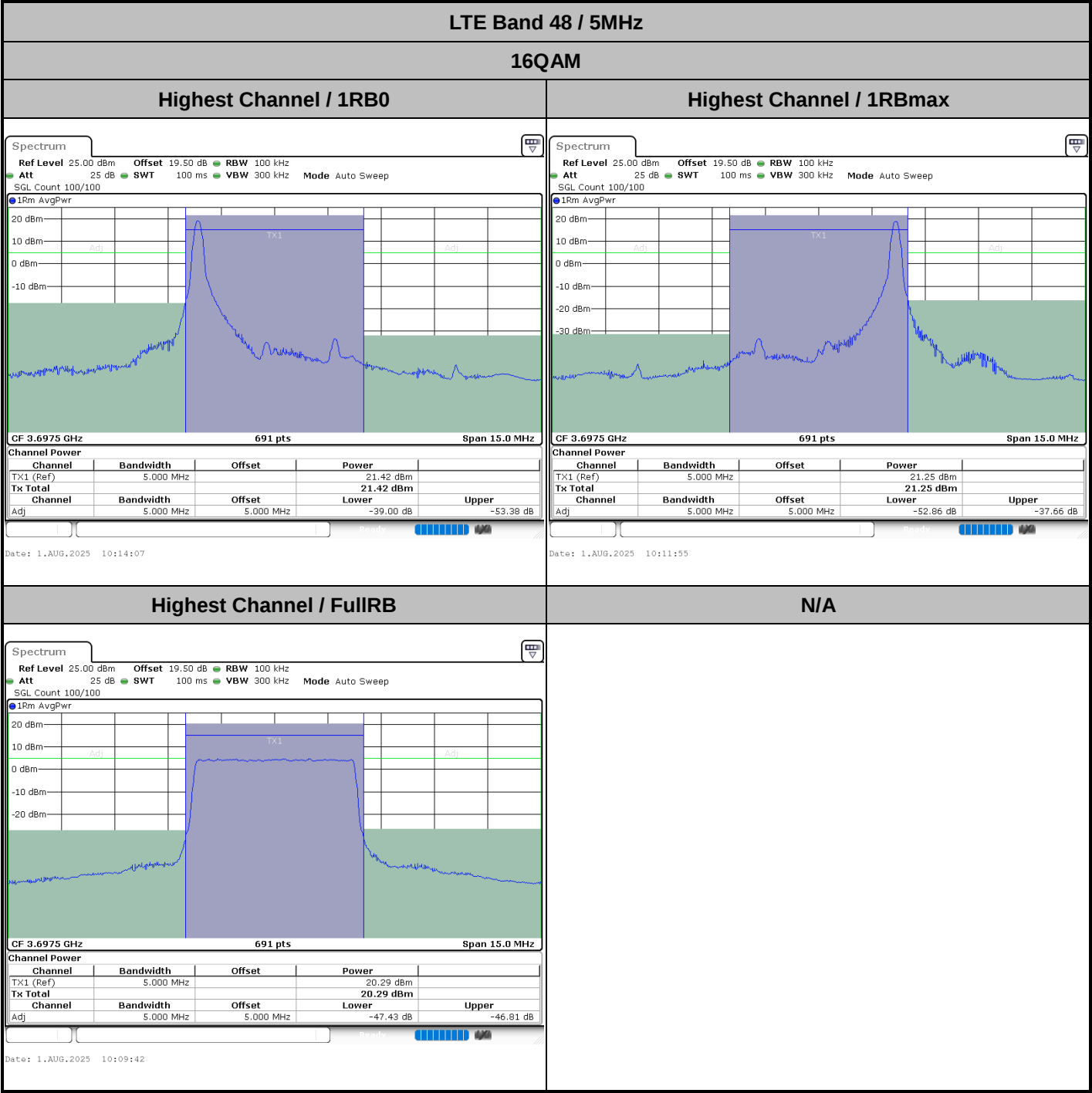










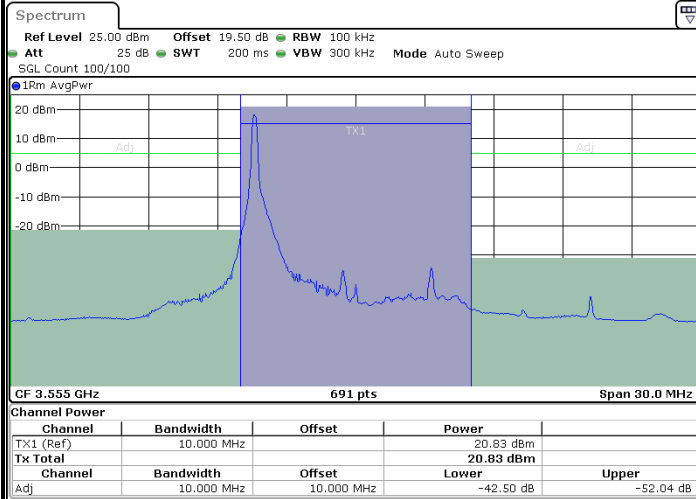




LTE Band 48 / 10MHz

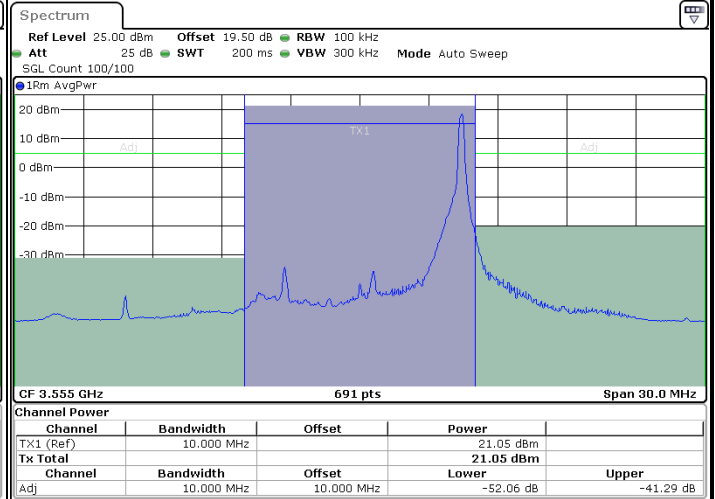
16QAM

Lowest Channel / 1RB0



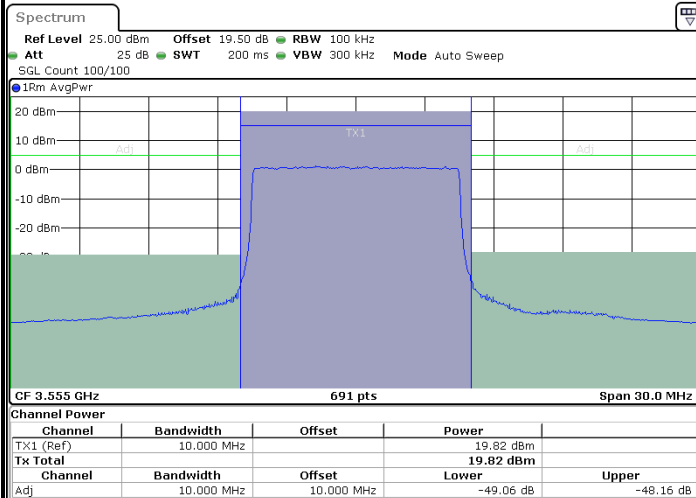
Date: 1.AUG.2025 11:46:44

Lowest Channel / 1RBmax



Date: 1.AUG.2025 10:32:27

Lowest Channel / FullIRB



Date: 1.AUG.2025 10:30:10

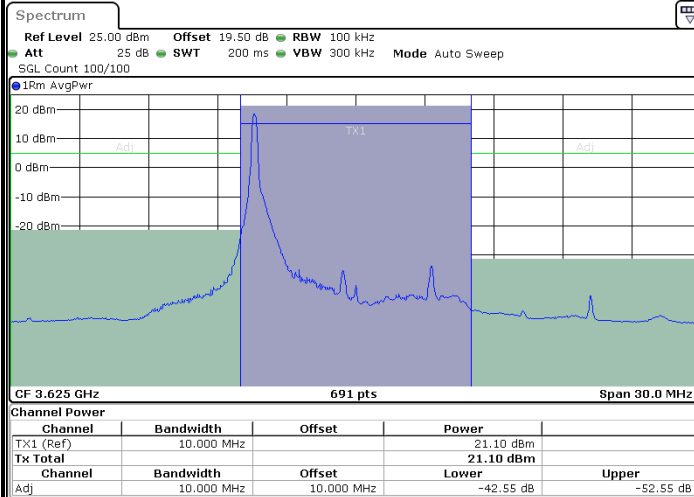
N/A



LTE Band 48 / 10MHz

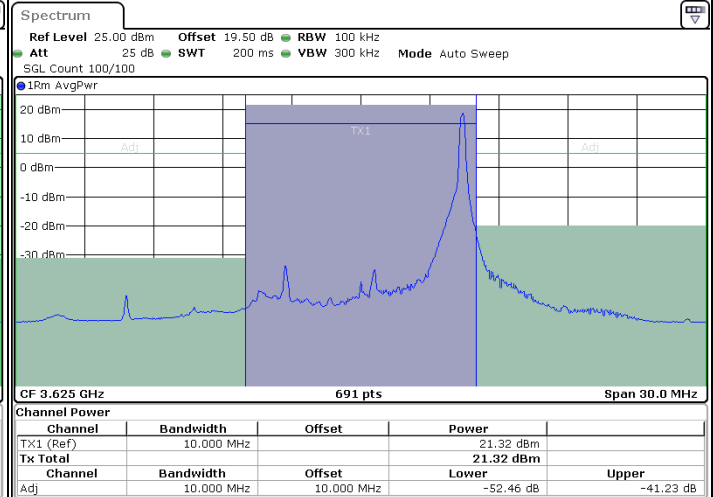
16QAM

Middle Channel / 1RB0



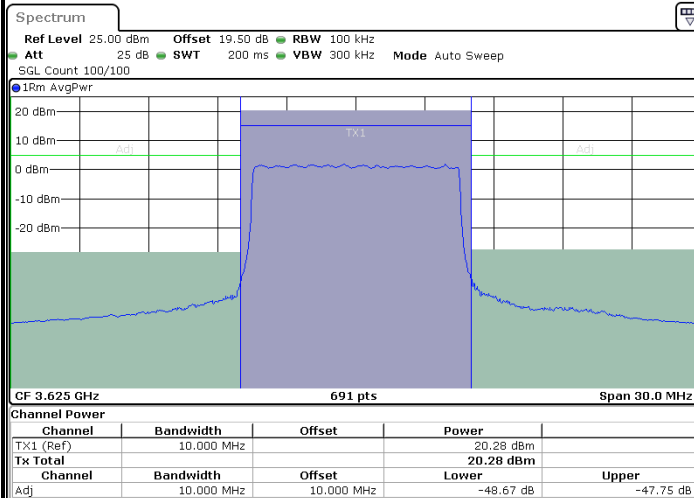
Date: 1.AUG.2025 12:01:52

Middle Channel / 1RBmax



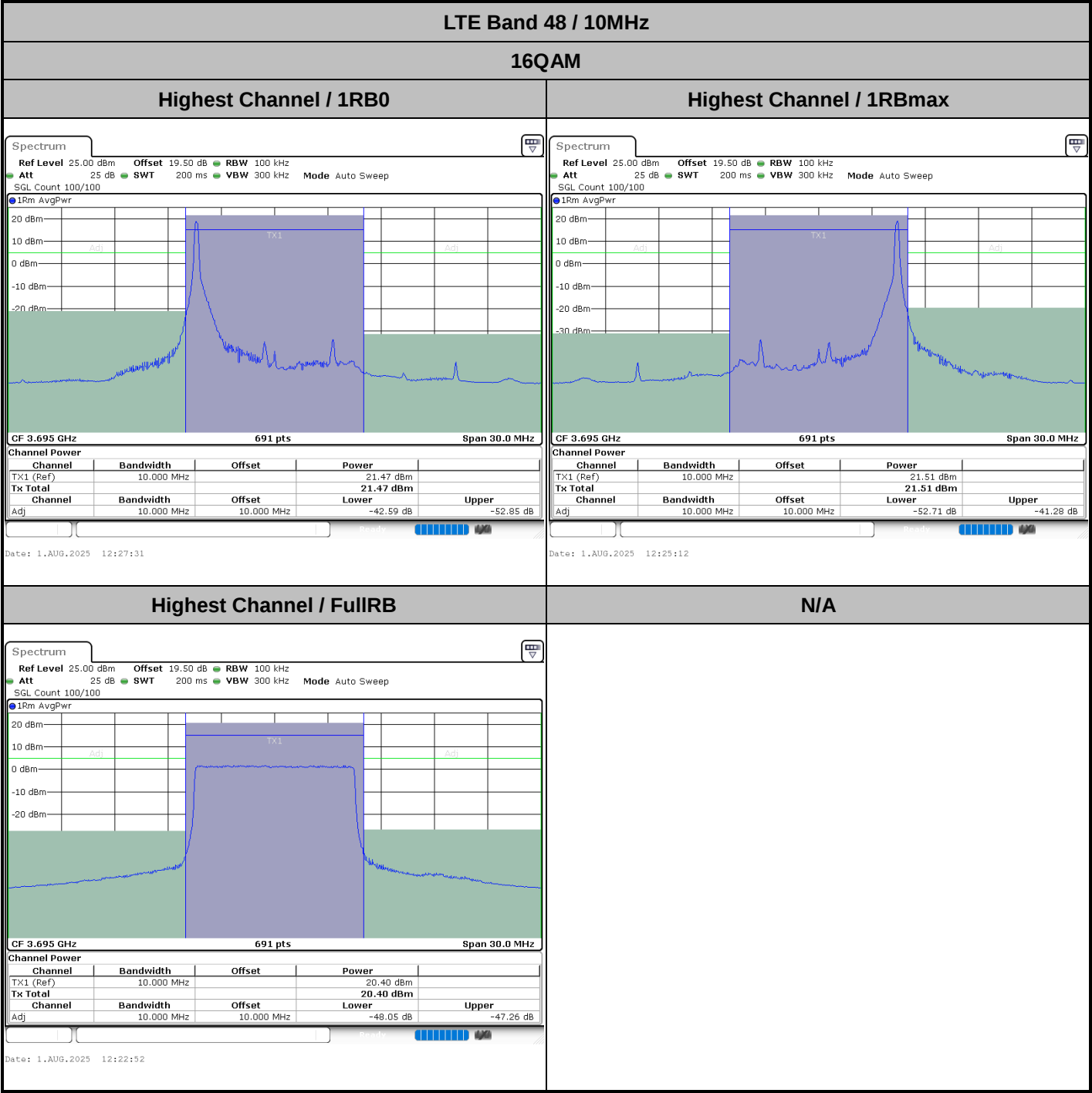
Date: 1.AUG.2025 12:04:08

Middle Channel / FullIRB



Date: 1.AUG.2025 12:06:24

N/A

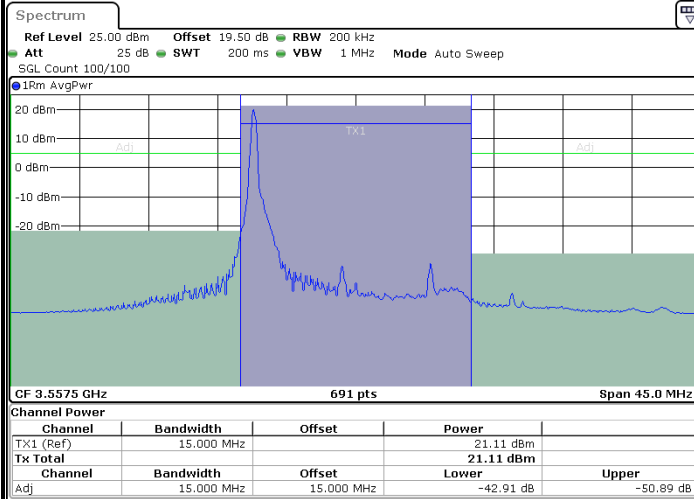




LTE Band 48 / 15MHz

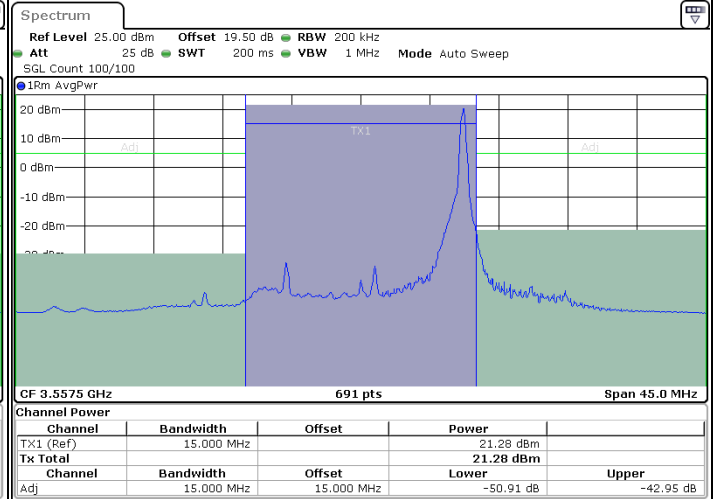
16QAM

Lowest Channel / 1RB0



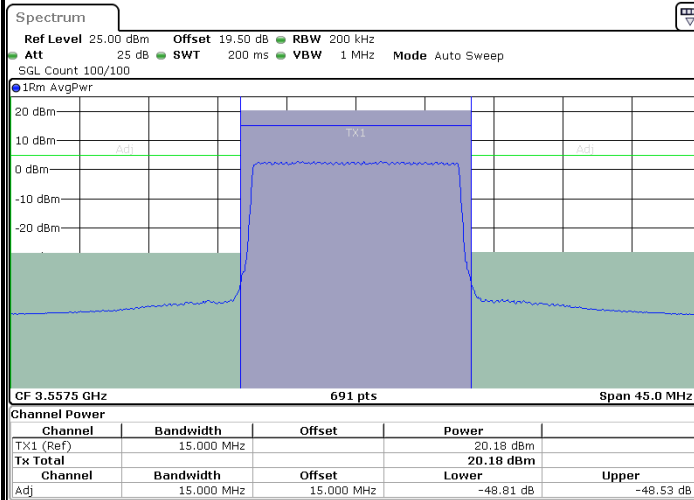
Date: 1.AUG.2025 12:48:00

Lowest Channel / 1RBmax



Date: 1.AUG.2025 12:45:42

Lowest Channel / FullIRB



Date: 1.AUG.2025 12:43:25

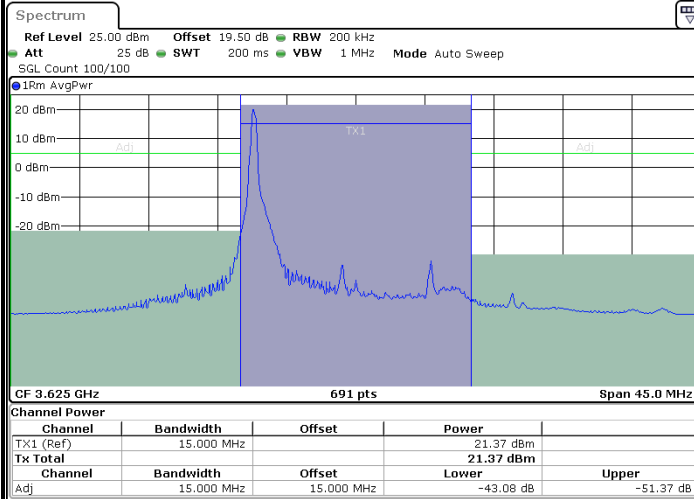
N/A



LTE Band 48 / 15MHz

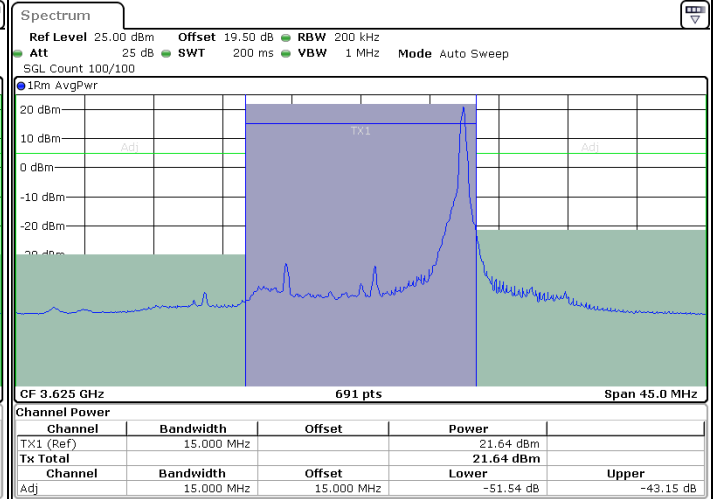
16QAM

Middle Channel / 1RB0



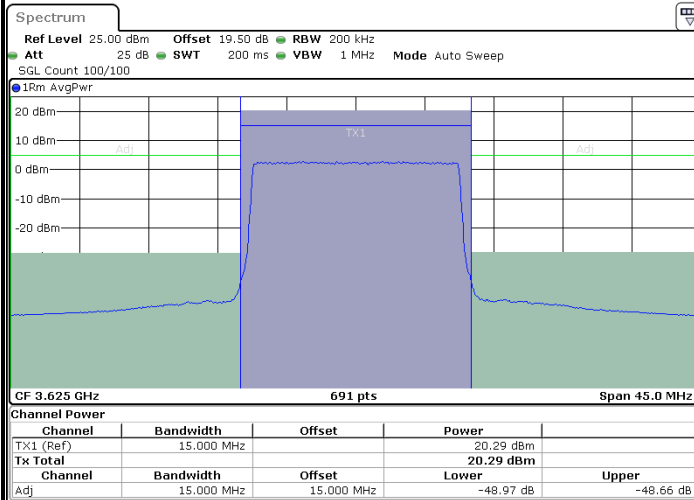
Date: 1.AUG.2025 13:03:11

Middle Channel / 1RBmax



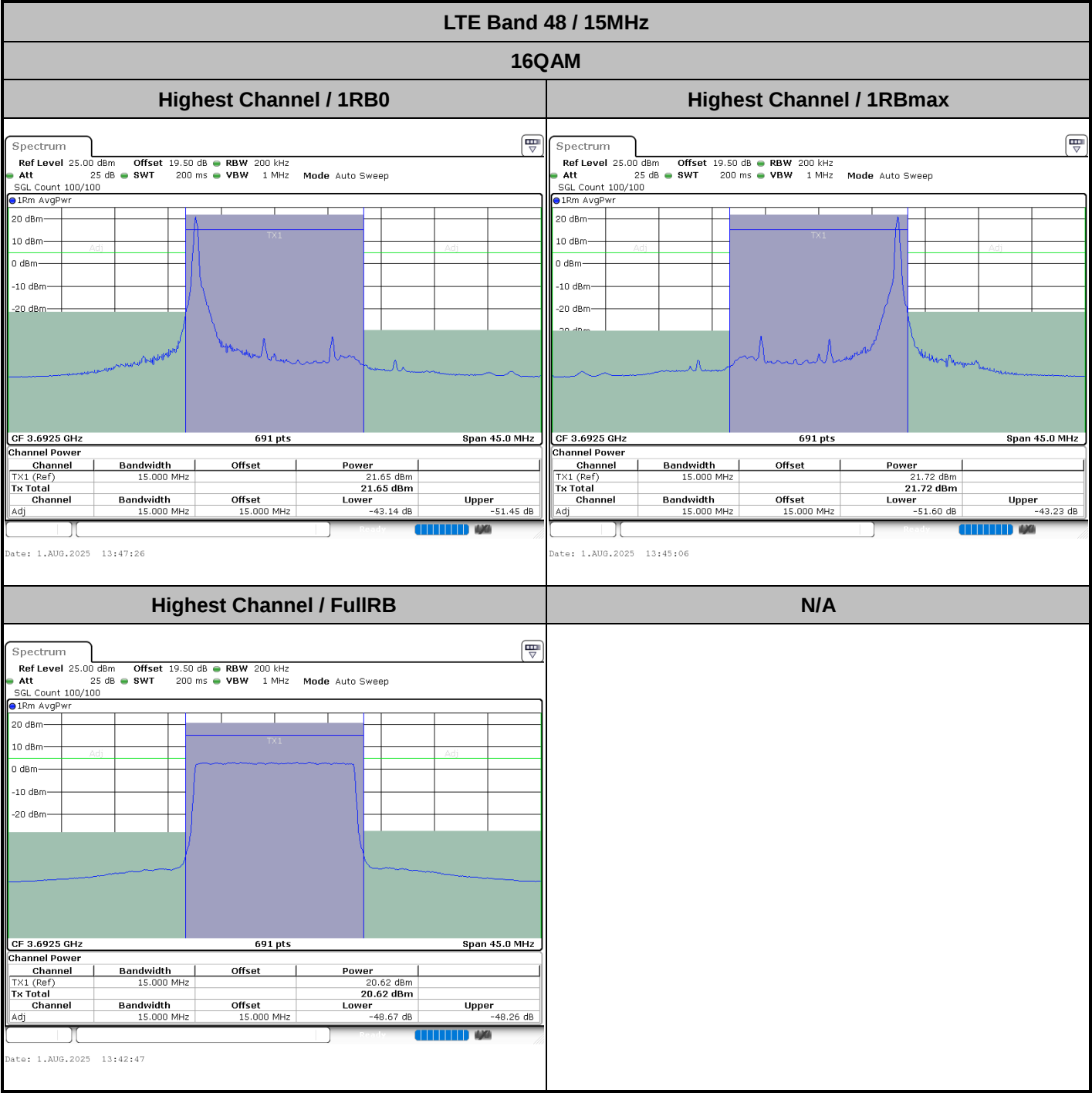
Date: 1.AUG.2025 13:05:27

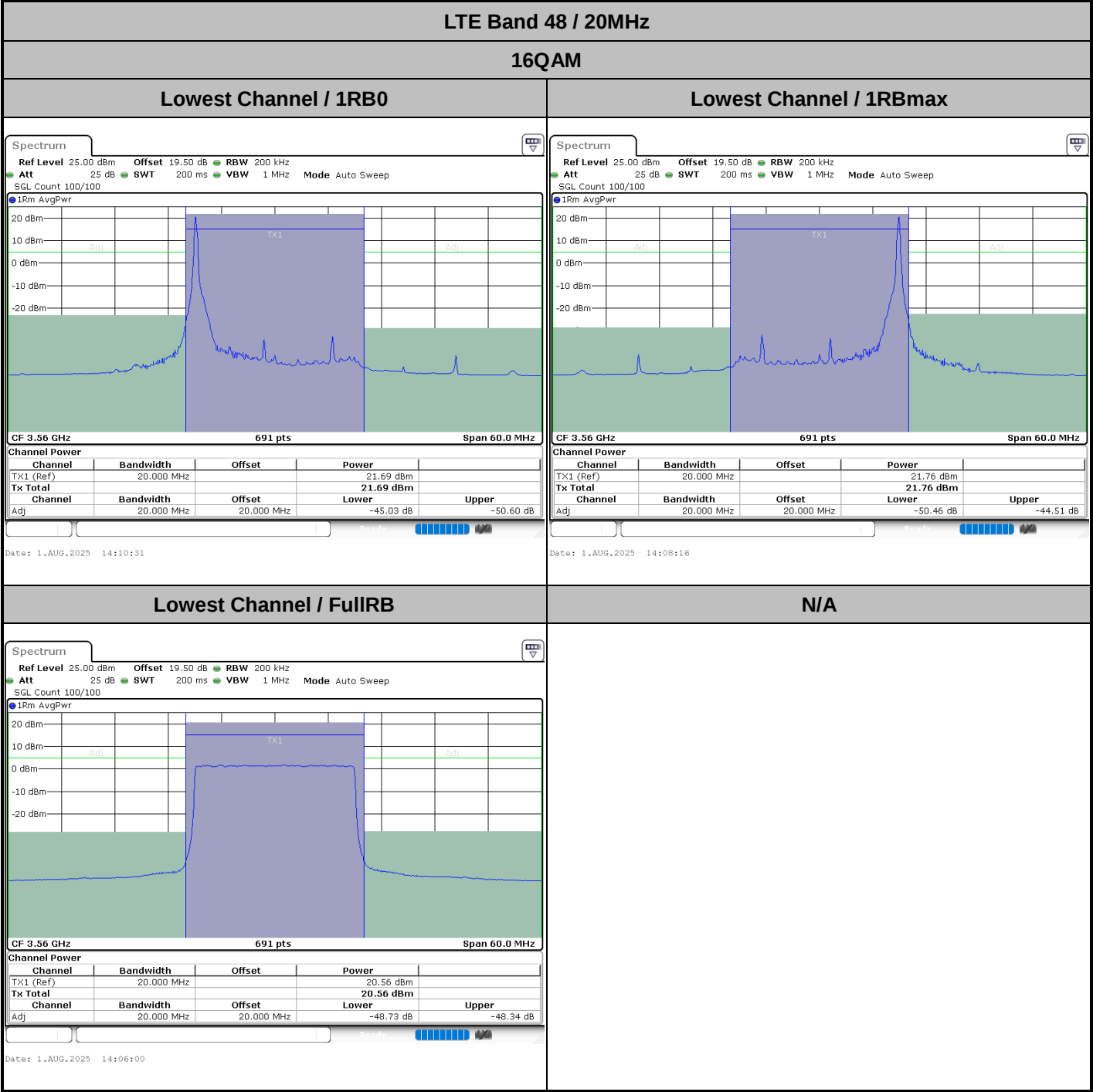
Middle Channel / FullIRB

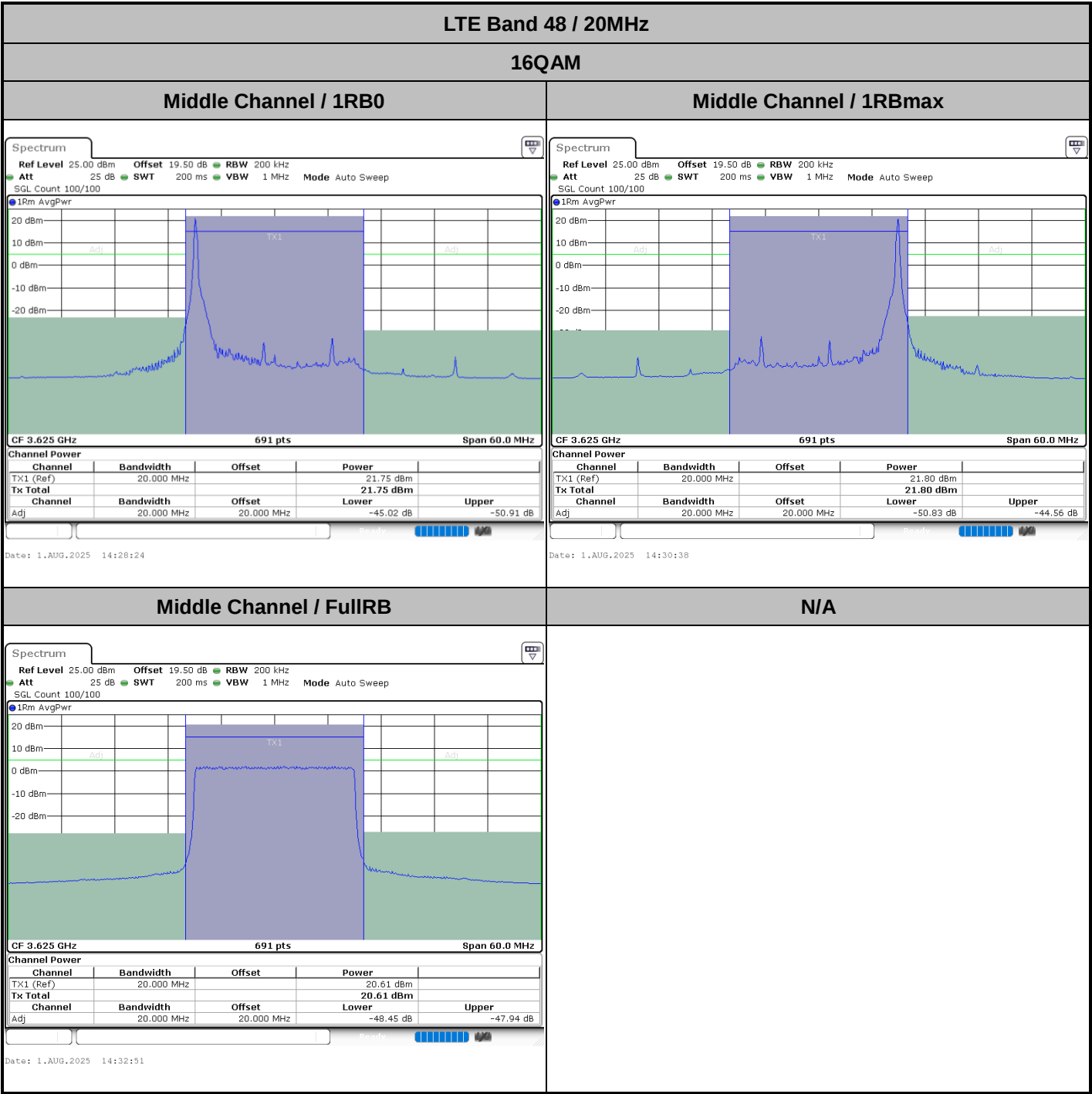


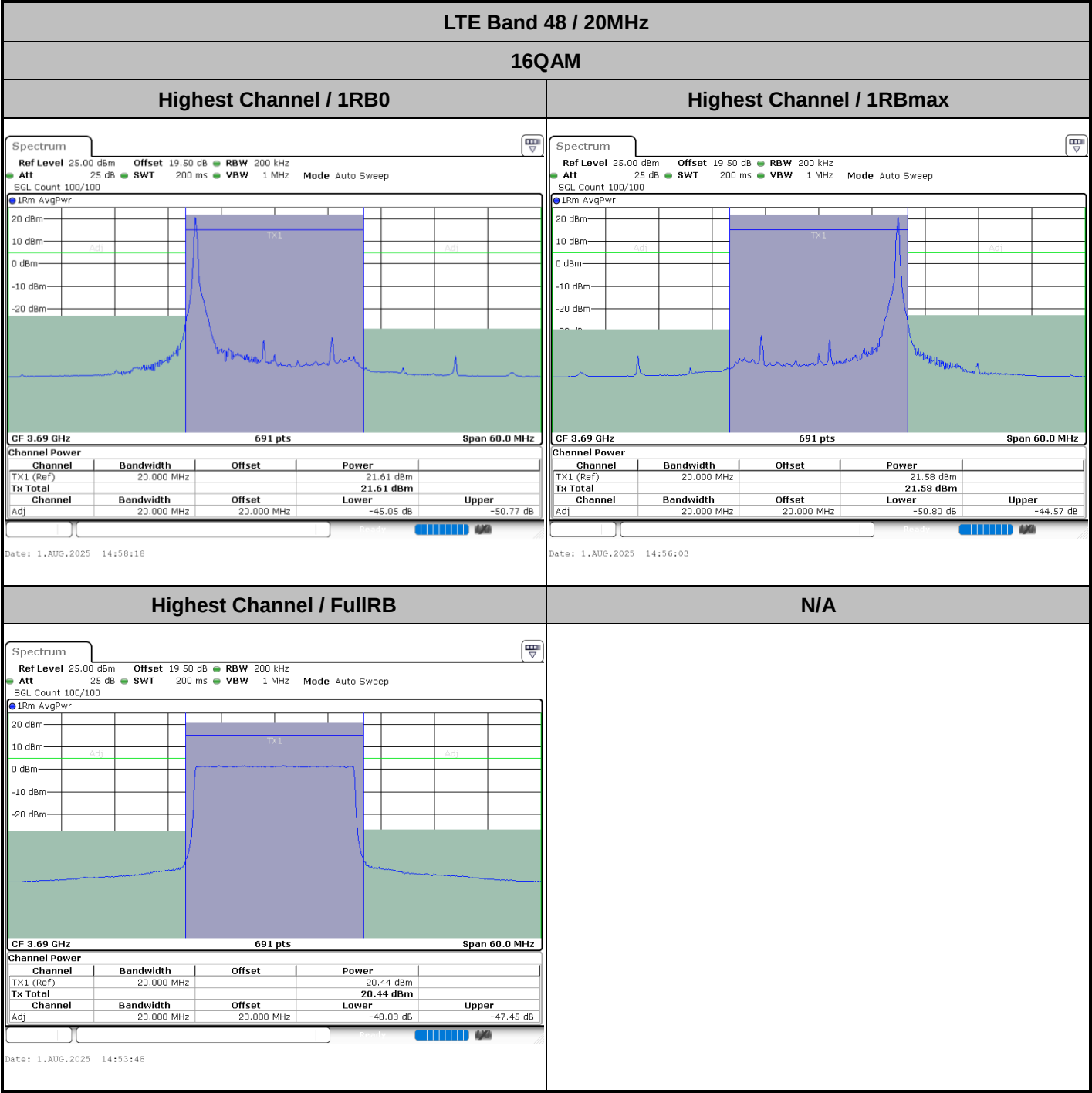
Date: 1.AUG.2025 13:16:46

N/A







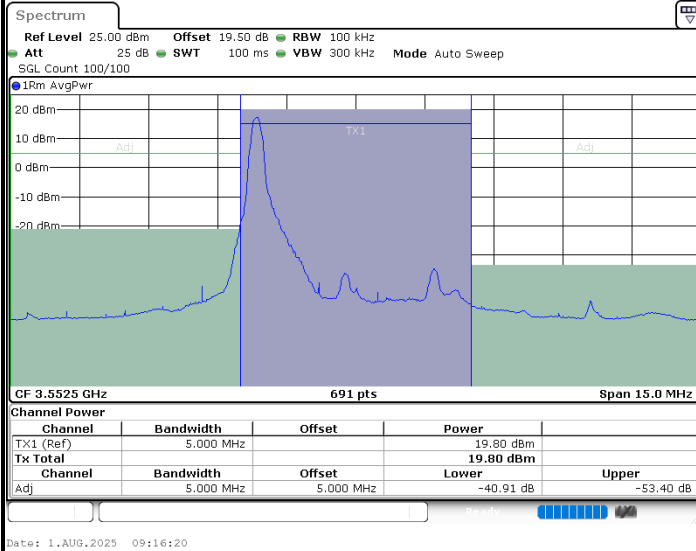




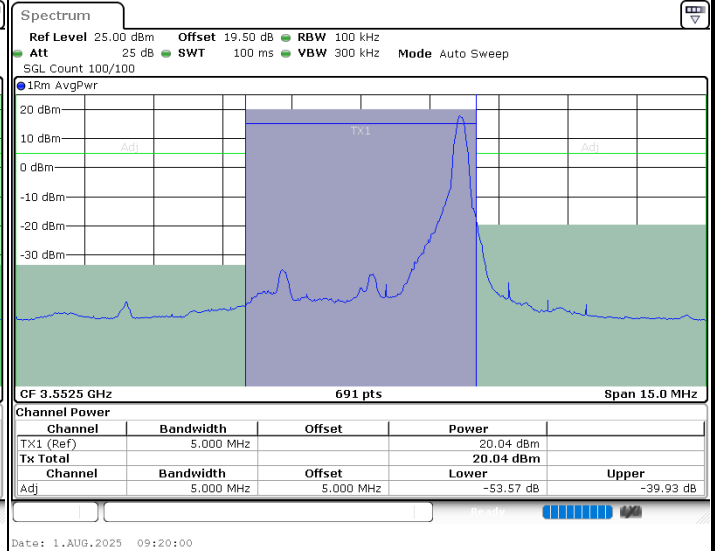
LTE Band 48 / 5MHz

64QAM

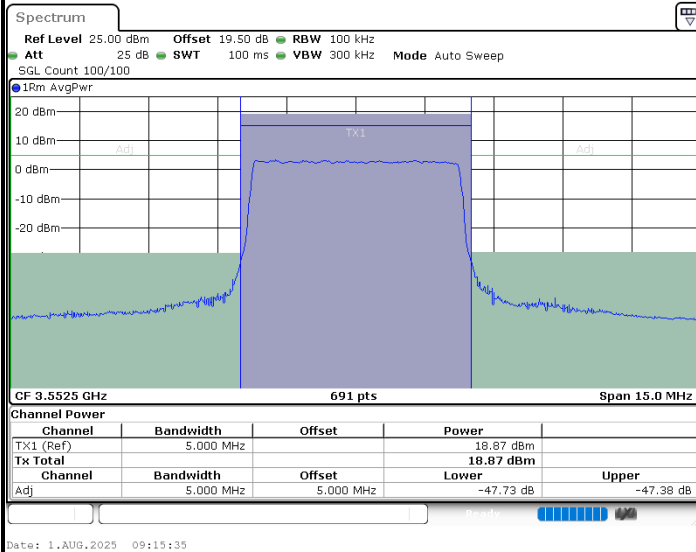
Lowest Channel / 1RB0



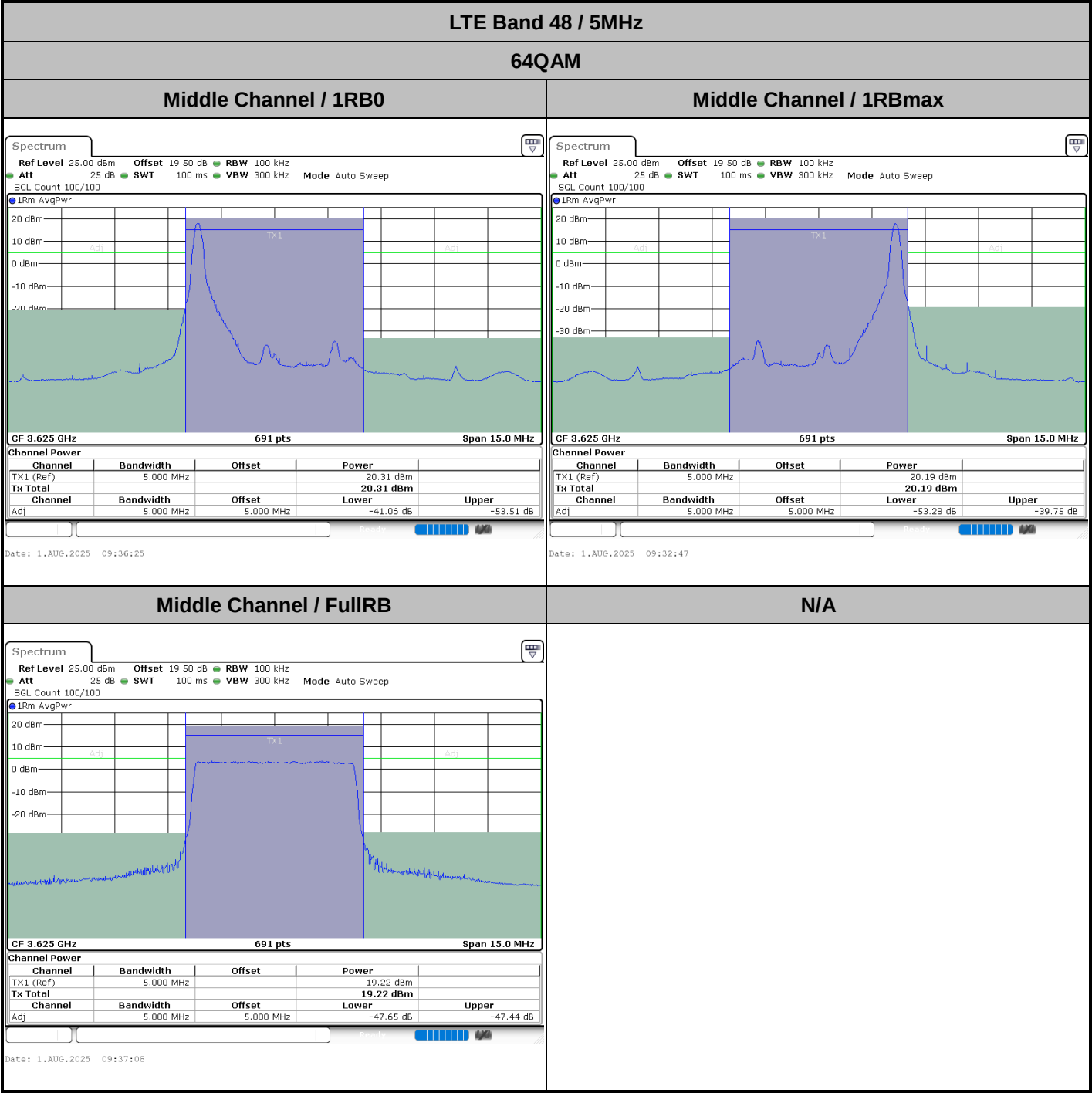
Lowest Channel / 1RBmax



Lowest Channel / FullIRB



N/A

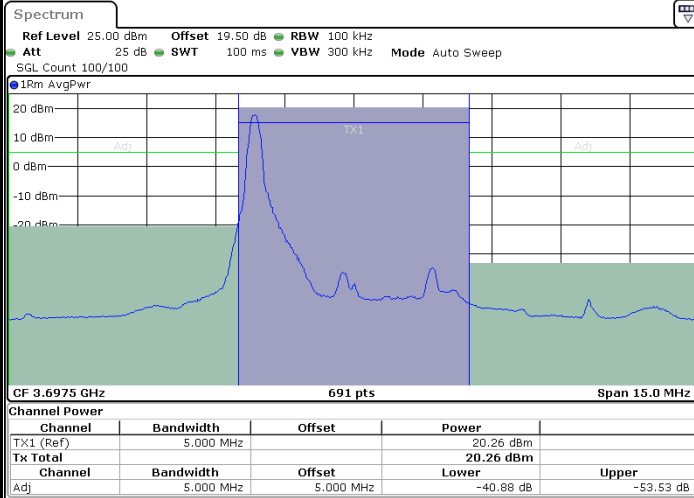




LTE Band 48 / 5MHz

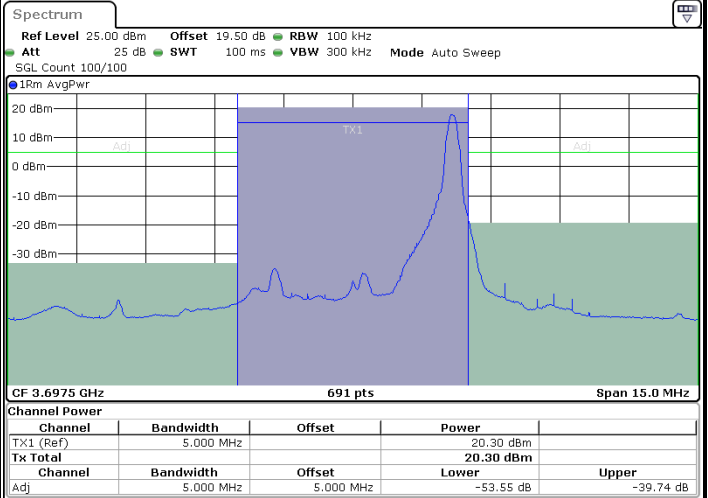
64QAM

Highest Channel / 1RB0



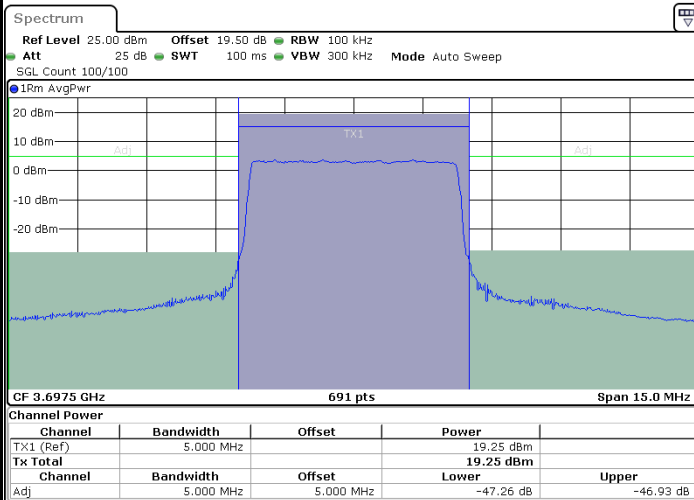
Date: 1.AUG.2025 10:14:51

Highest Channel / 1RBmax



Date: 1.AUG.2025 10:11:10

Highest Channel / FullRB



Date: 1.AUG.2025 10:10:26

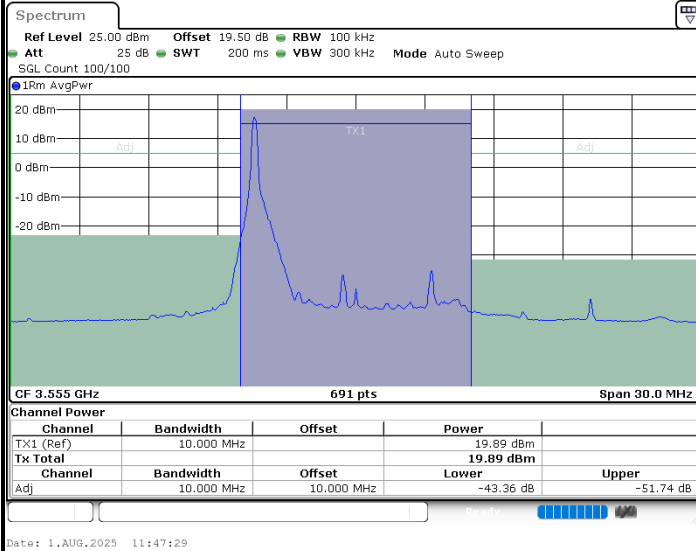
N/A



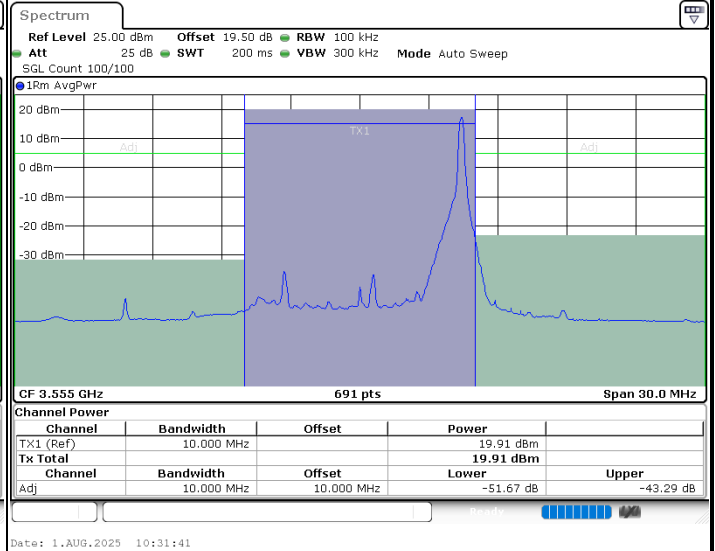
LTE Band 48 / 10MHz

64QAM

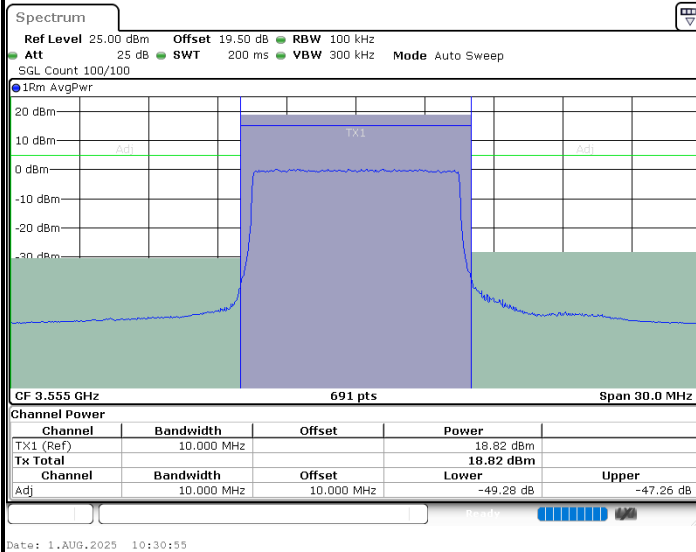
Lowest Channel / 1RB0



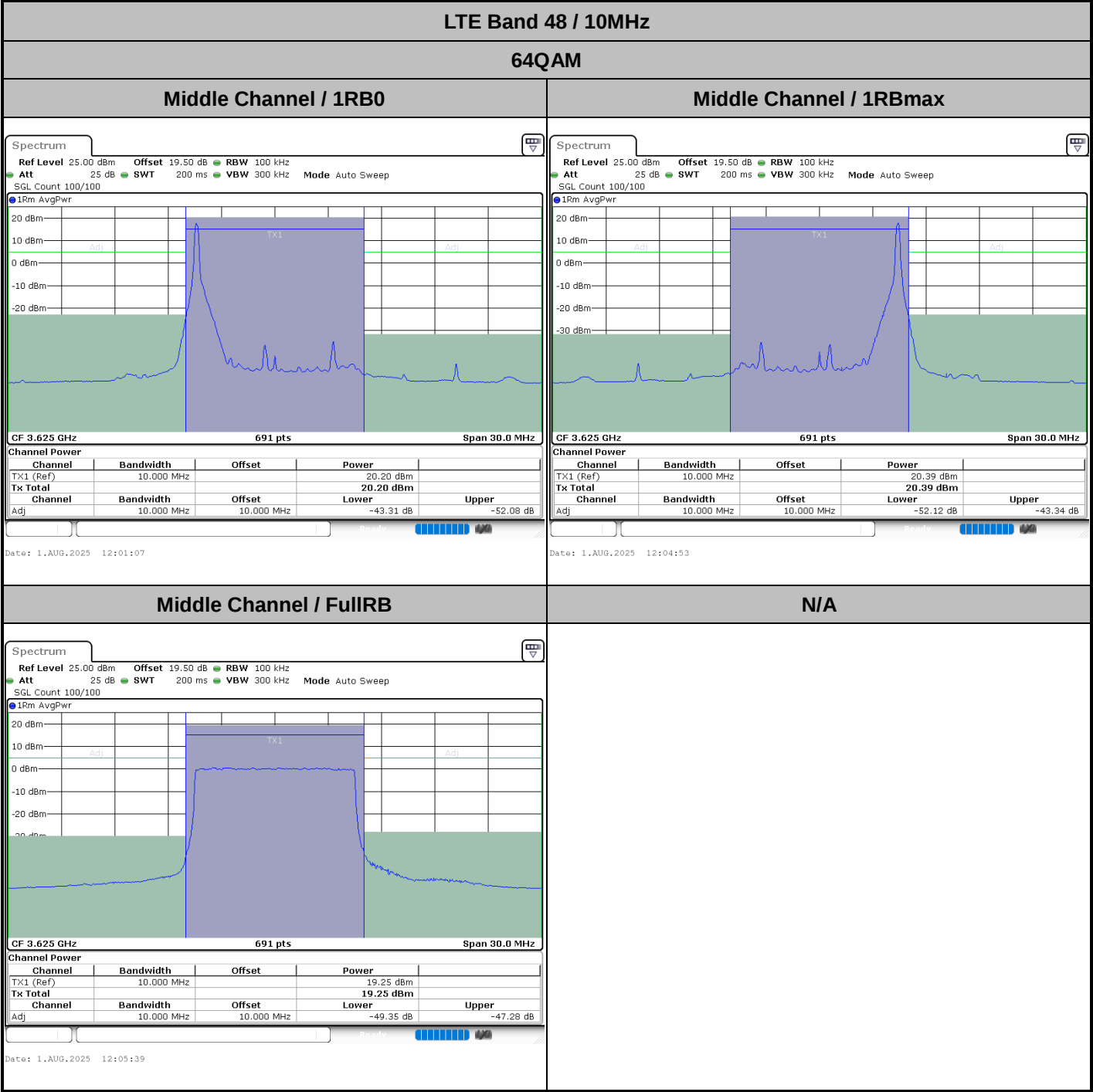
Lowest Channel / 1RBmax

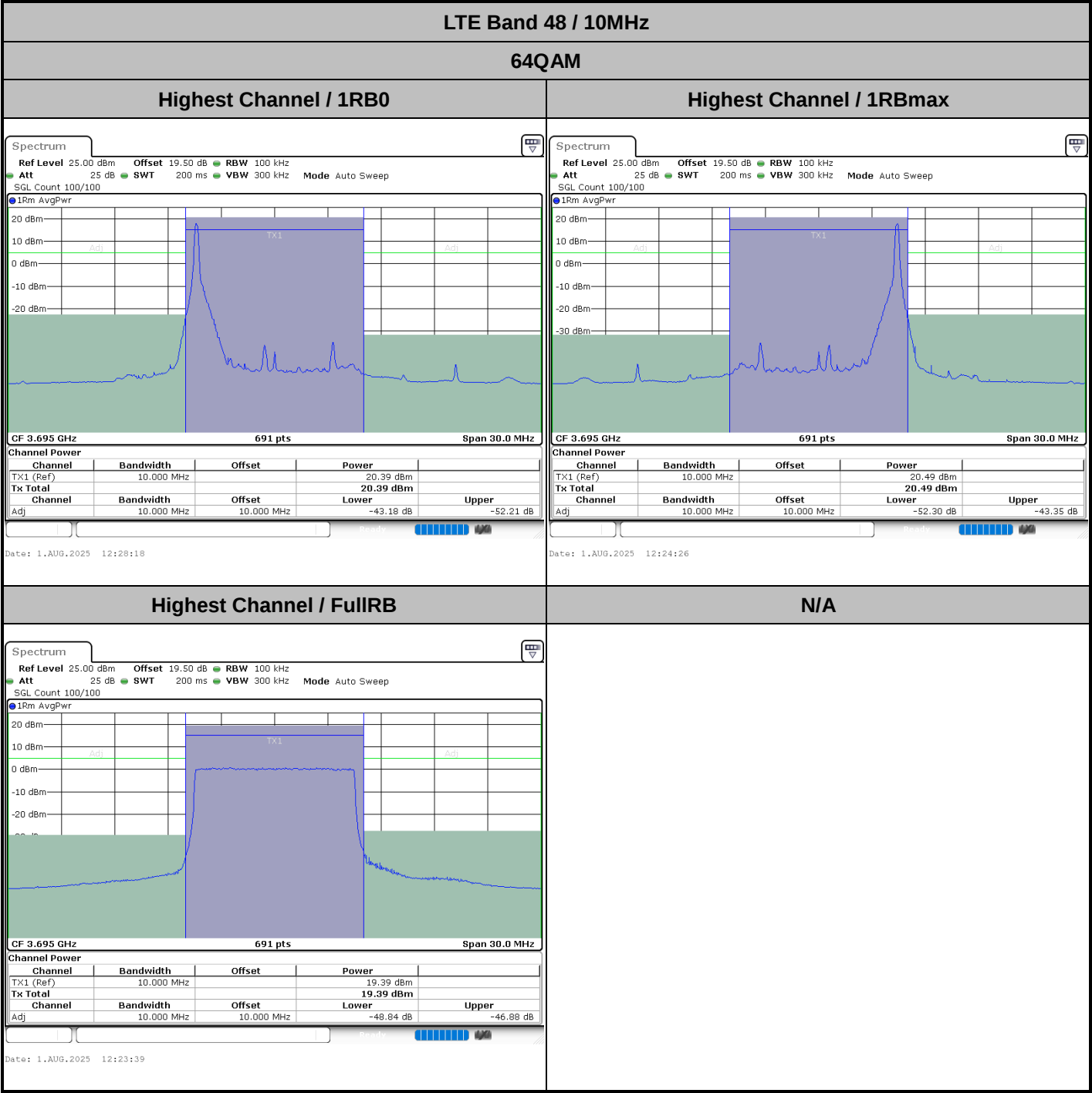


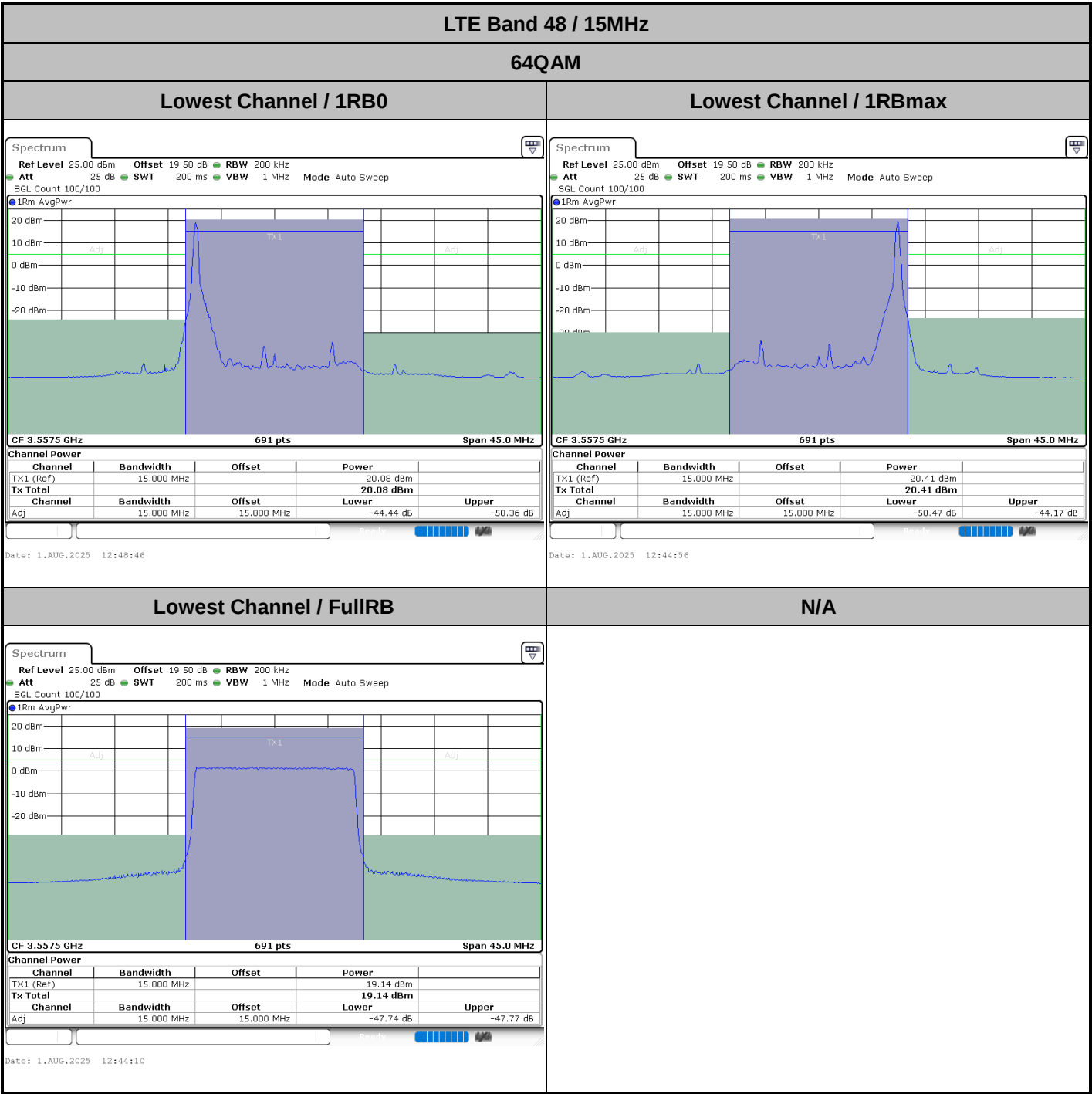
Lowest Channel / FullIRB

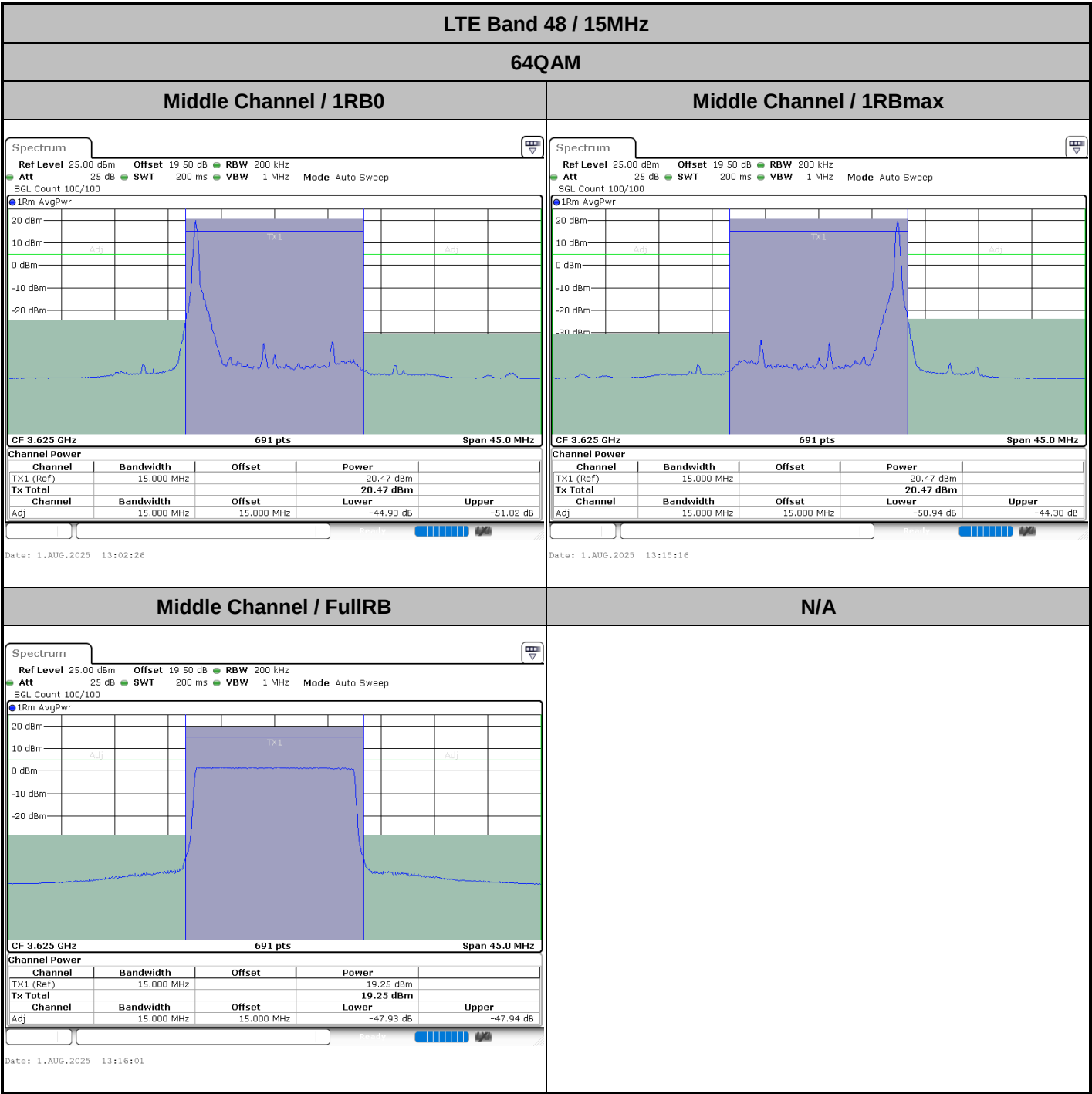


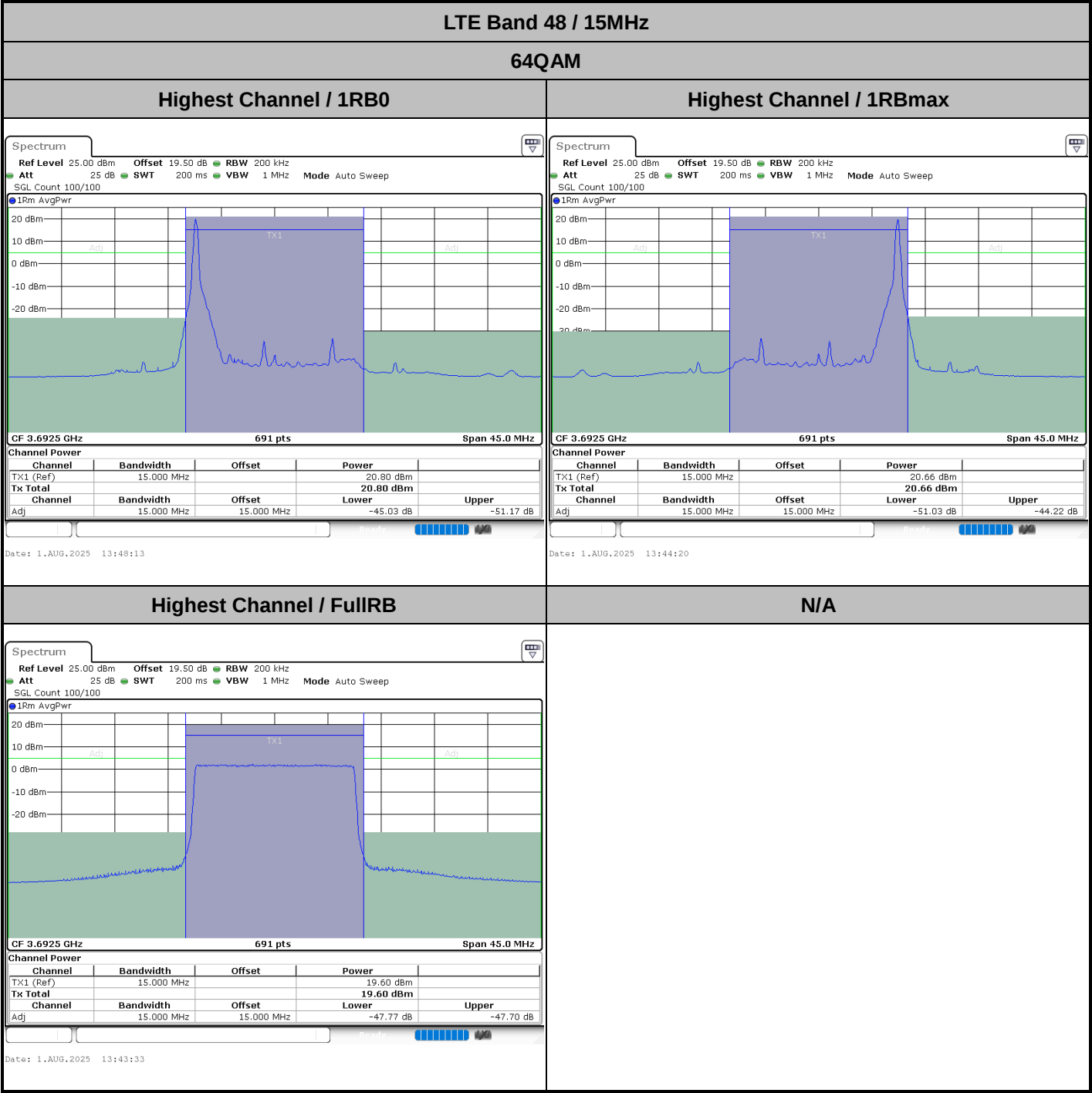
N/A

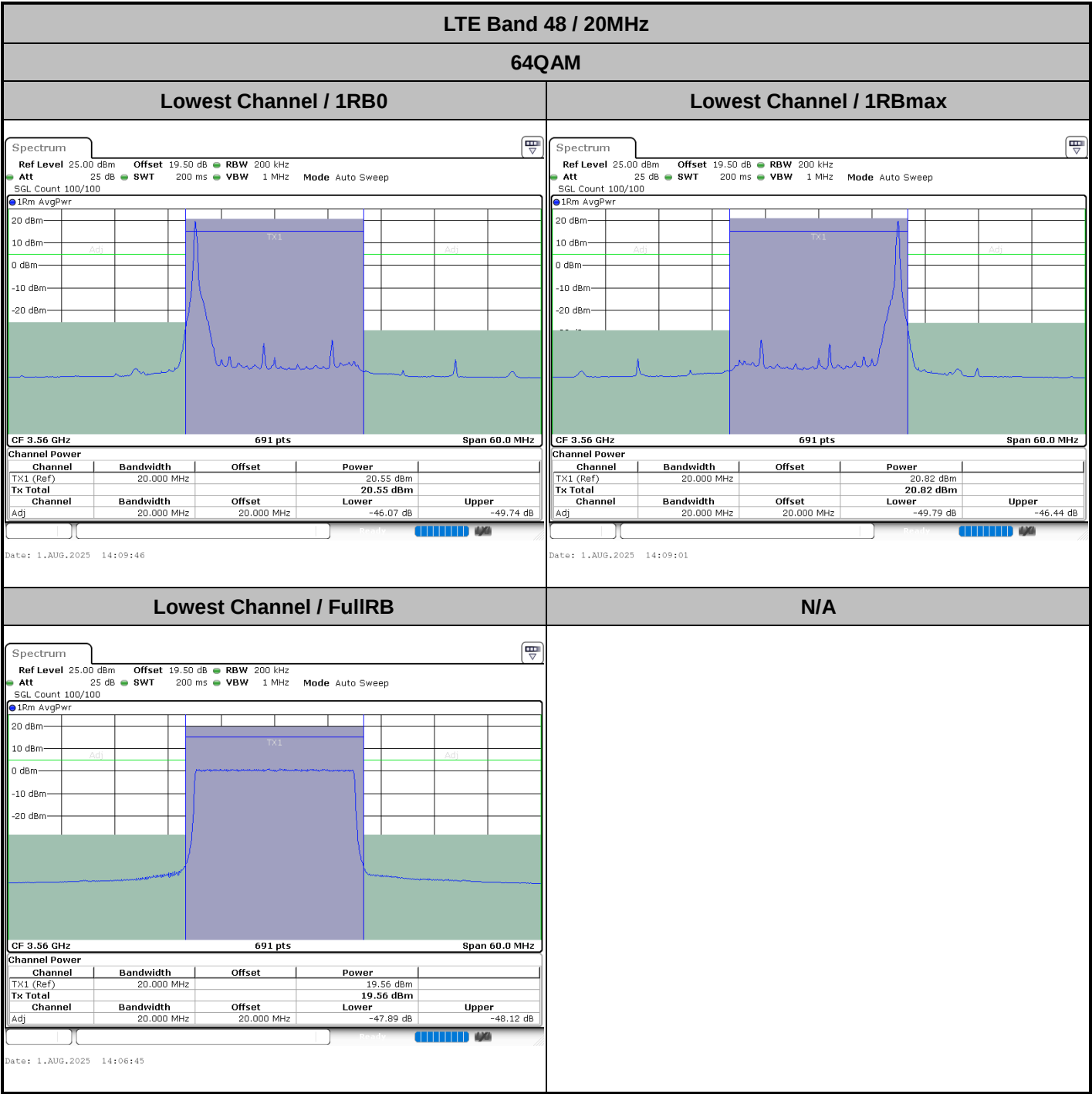


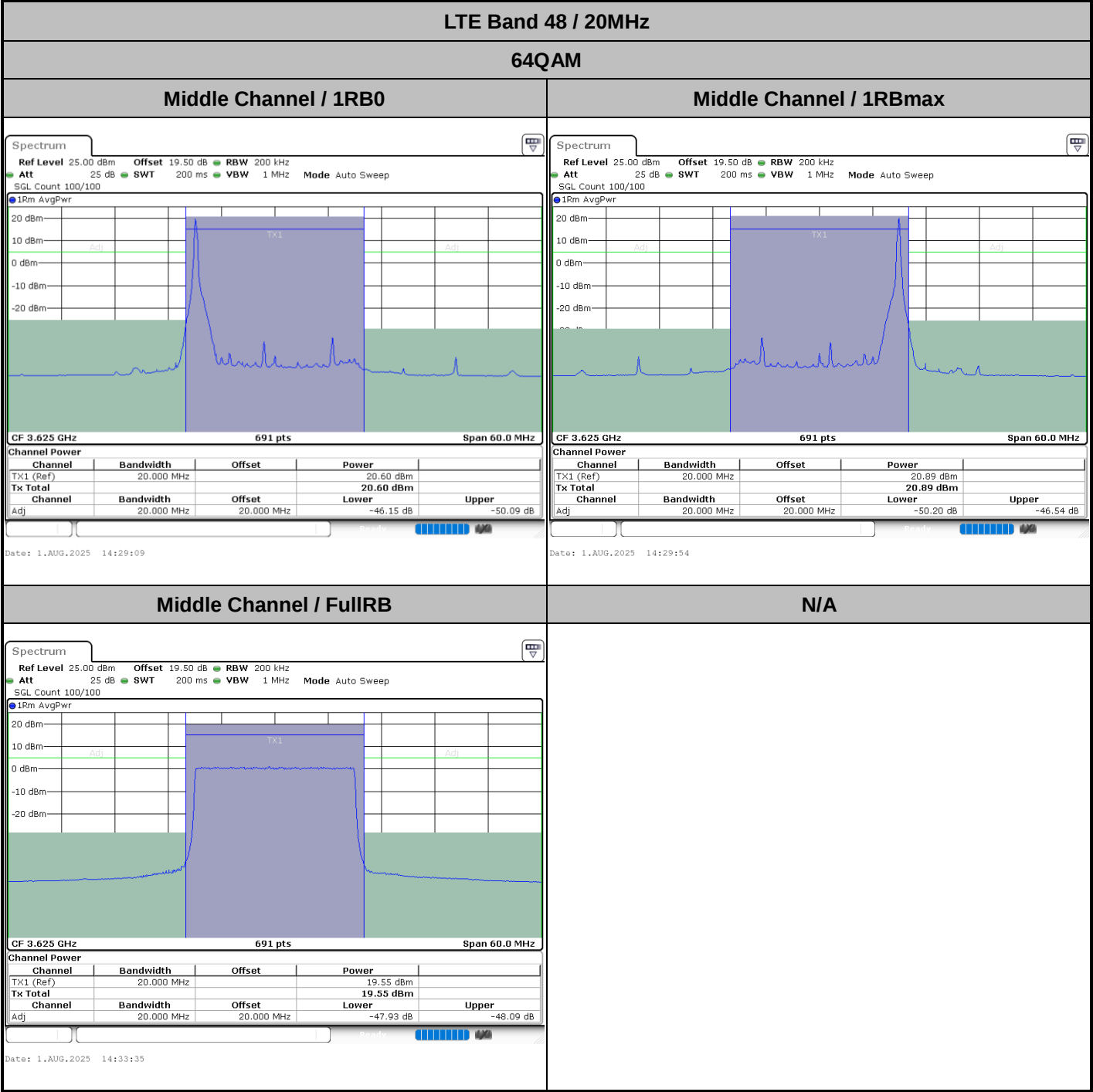


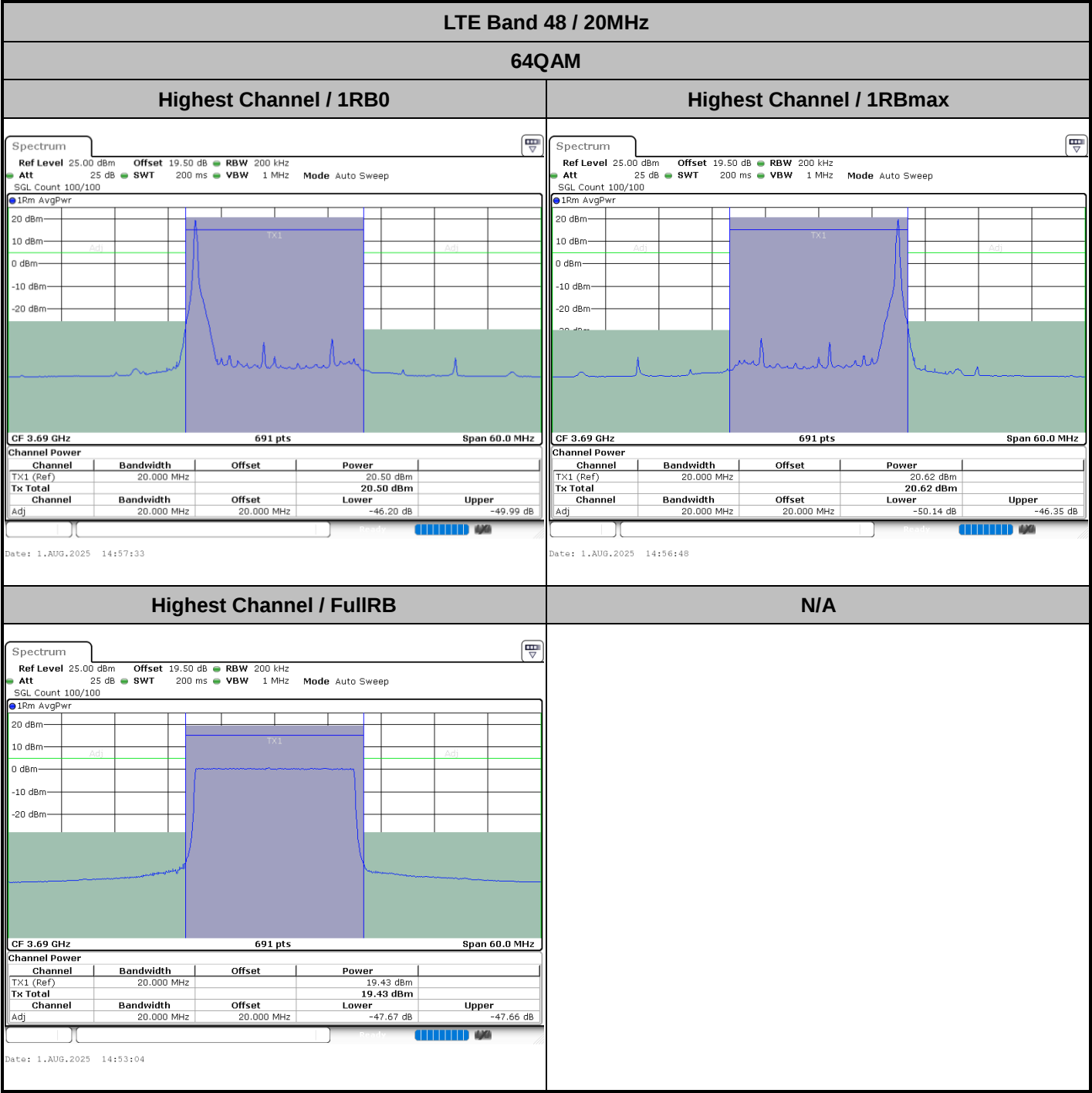


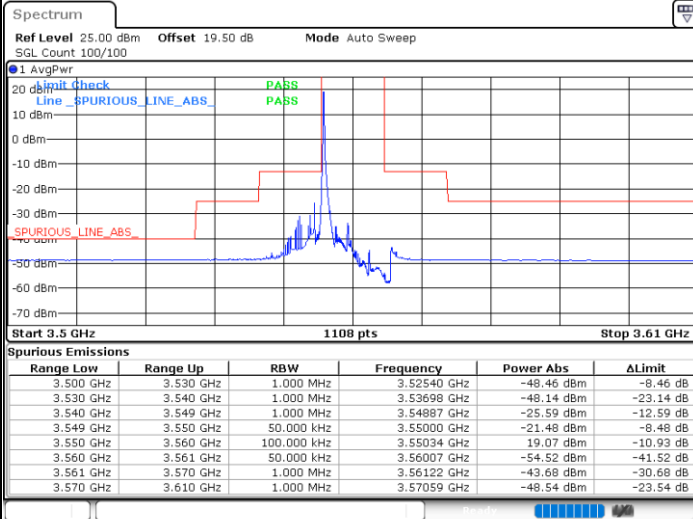




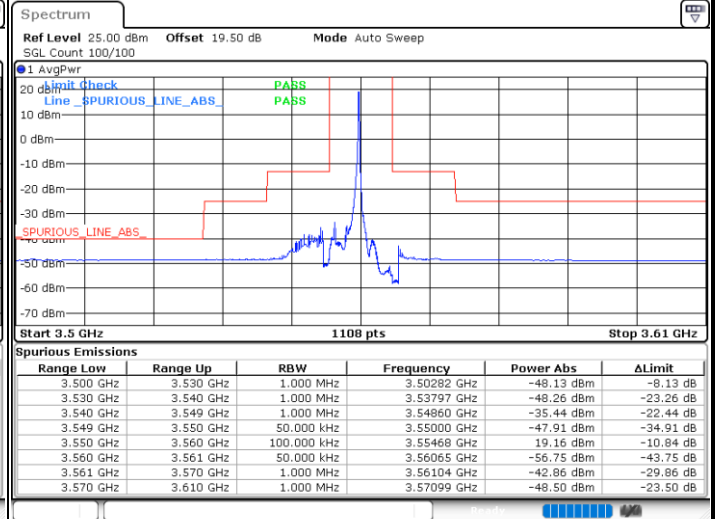




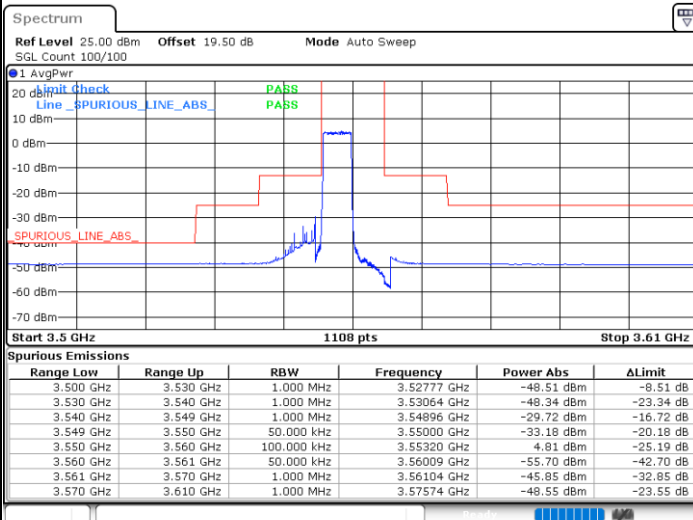


**Conducted Band Edge****LTE Band 48 / 5MHz****QPSK****Lowest Channel / 1RB0****Lowest Channel / 1RBmax**

Date: 1.AUG.2025 09:43:58



Date: 1.AUG.2025 09:52:53

Lowest Channel / FullIRB**N/A**

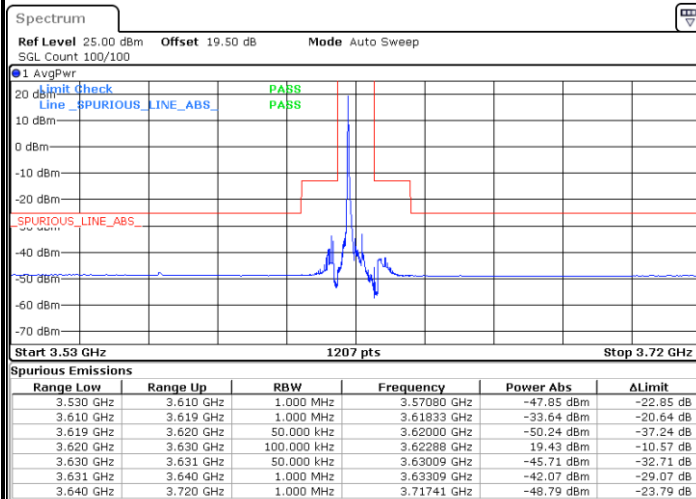
Date: 1.AUG.2025 09:46:52



LTE Band 48 / 5MHz

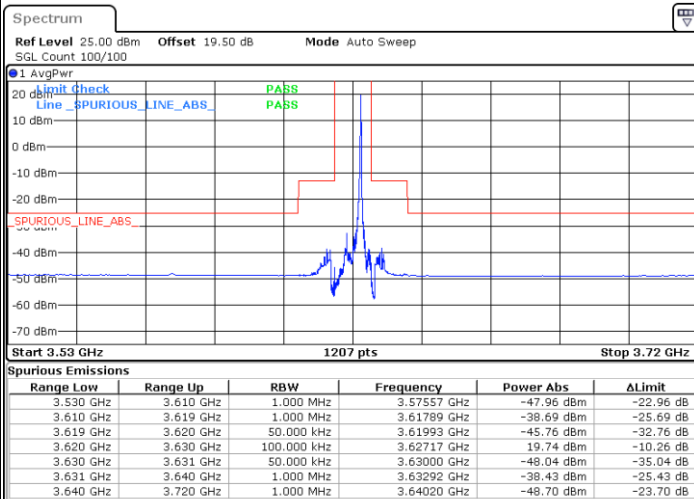
QPSK

Middle Channel / 1RB0



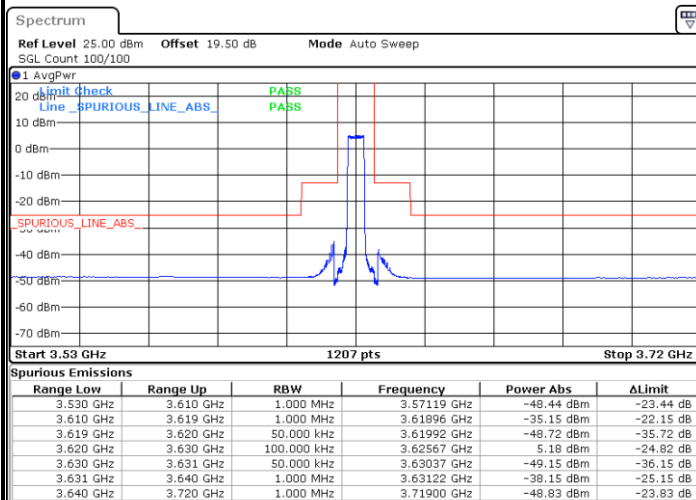
Date: 1.AUG.2025 09:57:41

Middle Channel / 1RBmax



Date: 1.AUG.2025 09:58:53

Middle Channel / FullRB



Date: 1.AUG.2025 10:04:53

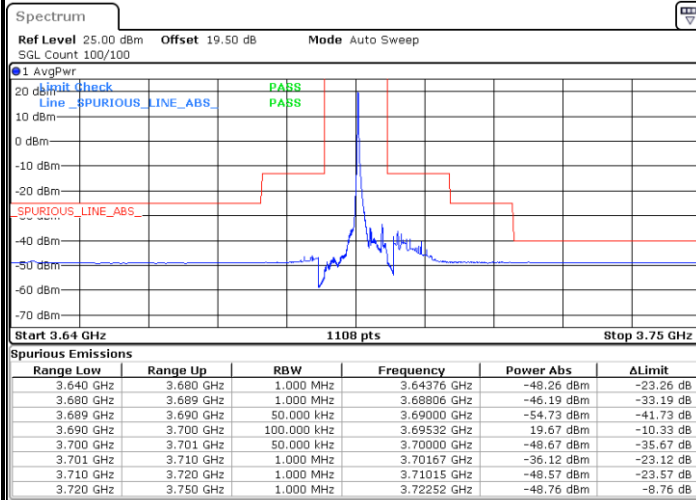
N/A



LTE Band 48 / 5MHz

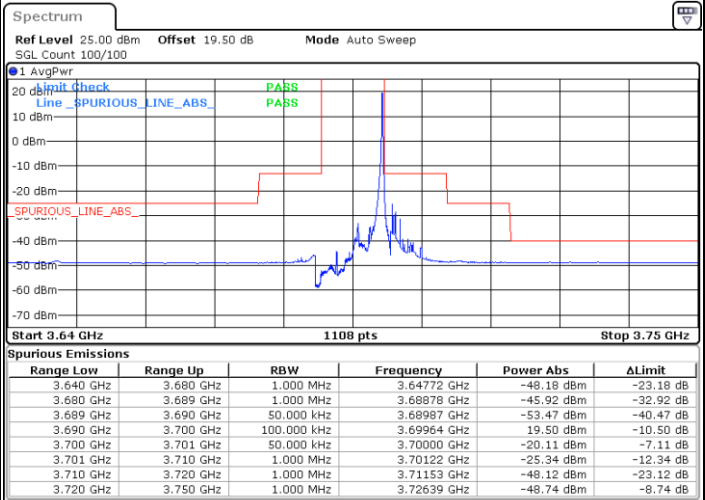
QPSK

Highest Channel / 1RB0



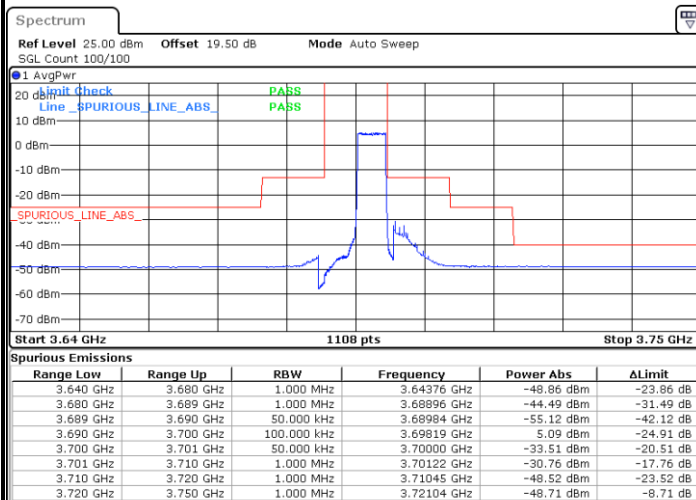
Date: 1.AUG.2025 10:23:16

Highest Channel / 1RBmax



Date: 1.AUG.2025 10:22:04

Highest Channel / FullRB



Date: 1.AUG.2025 10:16:04

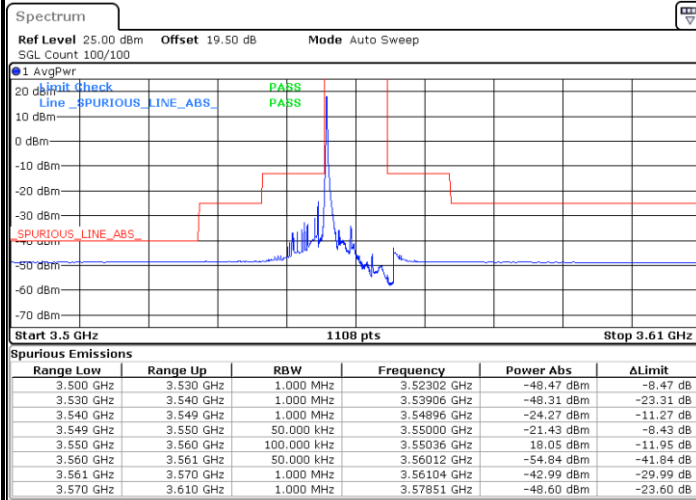
N/A



LTE Band 48 / 5MHz

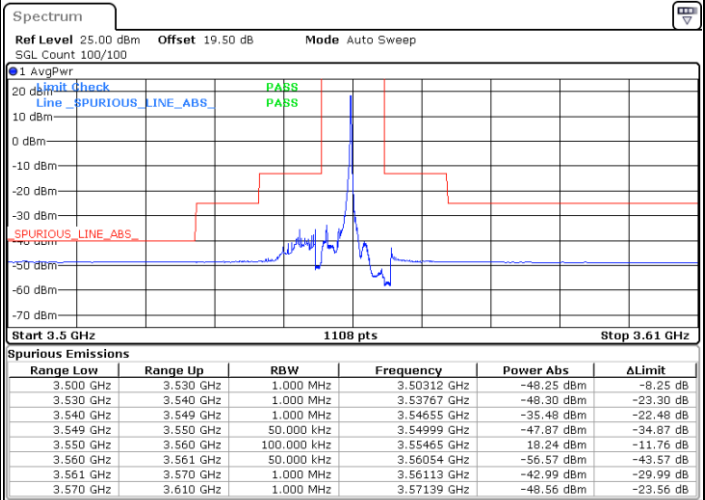
16QAM

Lowest Channel / 1RB0



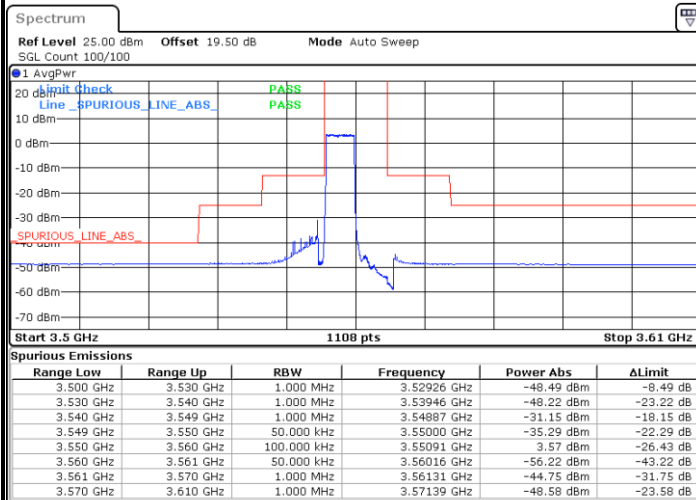
Date: 1.AUG.2025 09:45:32

Lowest Channel / 1RBmax



Date: 1.AUG.2025 09:51:41

Lowest Channel / FullIRB



Date: 1.AUG.2025 09:48:04

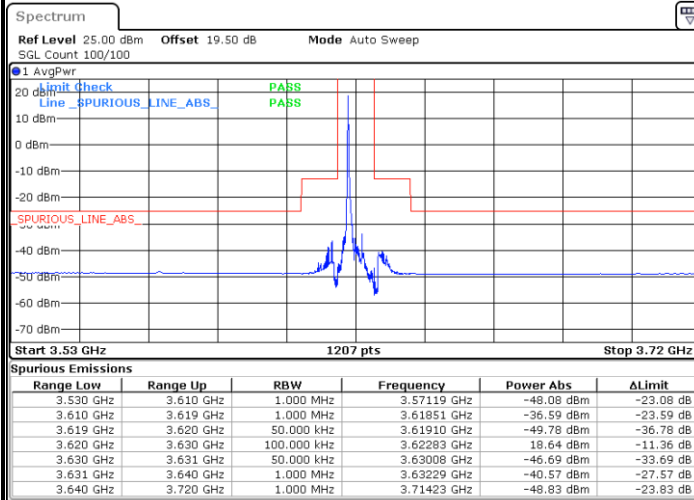
N/A



LTE Band 48 / 5MHz

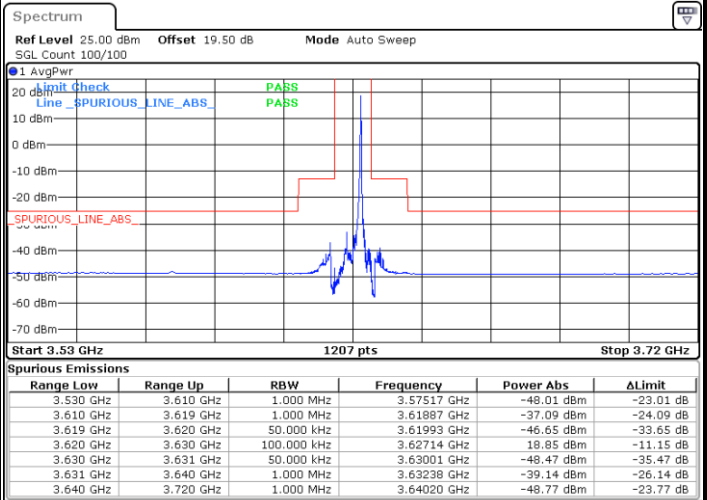
16QAM

Middle Channel / 1RB0



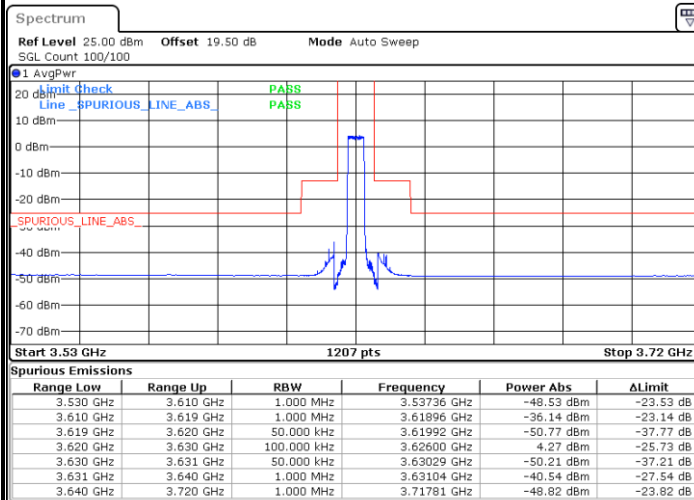
Date: 1.AUG.2025 09:56:29

Middle Channel / 1RBmax



Date: 1.AUG.2025 10:00:05

Middle Channel / FullRB



Date: 1.AUG.2025 10:03:41

N/A