

FCC RF Test Report

APPLICANT : Fibocom Wireless Inc.
EQUIPMENT : 5G Dongle
BRAND NAME : Fibocom
MODEL NAME : ST151L-GL
FCC ID : ZMOST151LGL
STANDARD : 47 CFR Part 96
CLASSIFICATION : Citizens Band End User Devices (CBE)
EQUIPMENT TYPE : End User Equipment
TEST DATE(S) : Mar. 10, 2026 ~ Apr. 18, 2026

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
FG620905-01H	01	Initial issue of report	May 19, 2026

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 Required	Not applicable for End User Devices
3.4	§96.41	Maximum E.I.R.P	Pass	-
		Maximum Power Spectral Density	Not Required	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 7.43 dB at 7232.00 MHz

Note: This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. Since the differences have no influence on the test results, all the test results are leveraged from original report FG620905H.

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/manufacture 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

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China.

1.2 Manufacturer

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China.

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	5G Dongle
Brand Name	Fibocom
Model Name	ST151L-GL
FCC ID	ZMOST151LGL
Tx/Rx Frequency	LTE Band 42 : 3550 MHz ~ 3600 MHz LTE Band 43 : 3600 MHz ~ 3700 MHz LTE Band 48 : 3550 MHz ~ 3700 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 42: 21.61 dBm LTE Band 43: 21.75 dBm LTE Band 48: 21.94 dBm
Antenna Gain	<Ant. 2>: LTE Band 42: -2.0 dBi LTE Band 43: -2.0 dBi LTE Band 48: -1.5 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM
SN Code	Conducted: ZR60SB003X Radiation: 61F0742B
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 and Emission Designator

LTE Band 42		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	3552.5~3597.5	0.0883	4M48G7D	0.0753	4M52W7D
10	3555.0~3595.0	0.0887	8M99G7D	0.0736	9M07W7D
15	3557.5~3592.5	0.0887	13M5G7D	0.0745	13M4W7D
20	3560.0~3590.0	0.0914	17M9G7D	0.0766	17M9W7D
LTE Band 43		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	3602.5~3697.5	0.0942	4M48G7D	0.0724	4M52W7D
10	3605.0~3695.0	0.0938	8M99G7D	0.0735	9M07W7D
15	3607.5~3692.5	0.0938	13M5G7D	0.0716	13M4W7D
20	3610.0~3690.0	0.0944	17M9G7D	0.0735	17M9W7D
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	0.1086	4M48G7D	0.0871	4M52W7D
10	3555~3695	0.1091	8M99G7D	0.0851	9M07W7D
15	3557.5~3692.5	0.1064	13M5G7D	0.0865	13M4W7D
20	3560~3690	0.1107	17M9G7D	0.0902	17M9W7D

Note:

1. All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.
2. LTE B48 overlaps the entire frequency range of B42/B43, and B48 power > B42/B43 power, therefore all test results of b48 cover B42/B43.

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 03CH02-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

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 v03r01
- ♦ 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

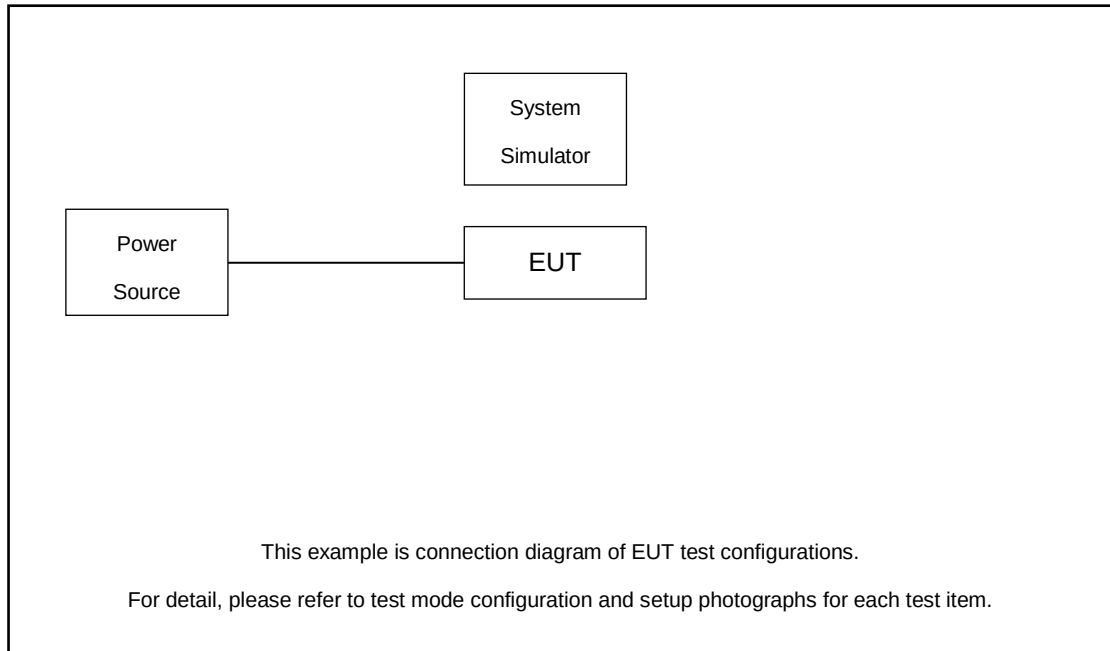
2.1 Test Mode

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	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	42	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	43	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	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
Conducted Spurious Emission	48	-	-	v	v	v	v	v				v			v	v	v
E.I.R.P	42	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	43	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	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. 2. 3.	The mark “v ” means that this configuration is chosen for testing The mark “-” means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss 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).

$$= 5.5 + 10 = 15.5 \text{ (dB)}$$

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 42 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	43190	43340	43490
	Frequency	3560	3575	3590
15	Channel	43165	43340	43515
	Frequency	3557.5	3575	3592.5
10	Channel	43140	43340	43540
	Frequency	3555	3575	3595
5	Channel	43115	43340	43565
	Frequency	3552.5	3575	3597.5

LTE Band 43 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	43690	44090	44490
	Frequency	3610	3650	3690
15	Channel	43665	44090	44515
	Frequency	3607.5	3650	3692.5
10	Channel	43640	44090	44540
	Frequency	3605	3650	3695
5	Channel	43615	44090	44565
	Frequency	3602.5	3650	3697.5

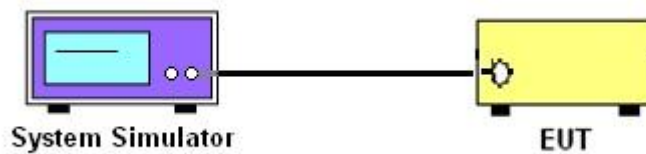
3 Conducted Test Items

3.1 Measuring Instruments

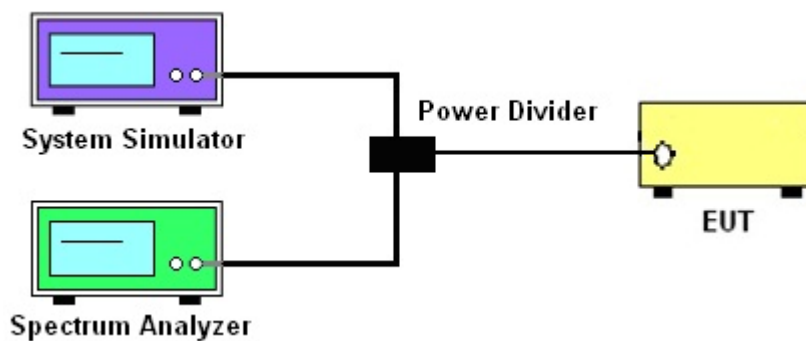
See list of measuring instruments of this test report.

3.2 Test Setup

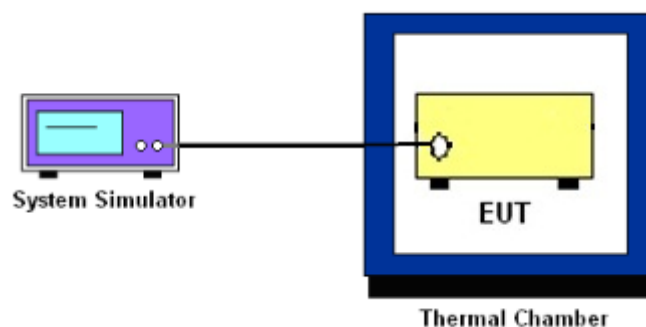
3.2.1 Conducted Output Power



3.2.2 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.

3.4 EIRP

3.4.1 Description of the EIRP Measurement

EIRP and PSD limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
Applied	End User Device	23	n/a
☐	Category A CBSD	30	20
☐	Category B CBSD	47	37

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

3.4.2 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)

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

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

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

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

3.5 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.

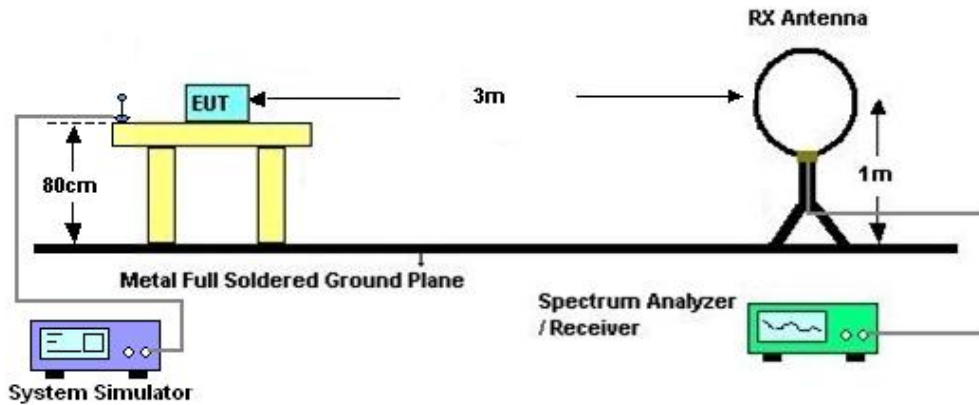
4 Radiated Test Items

4.1 Measuring Instruments

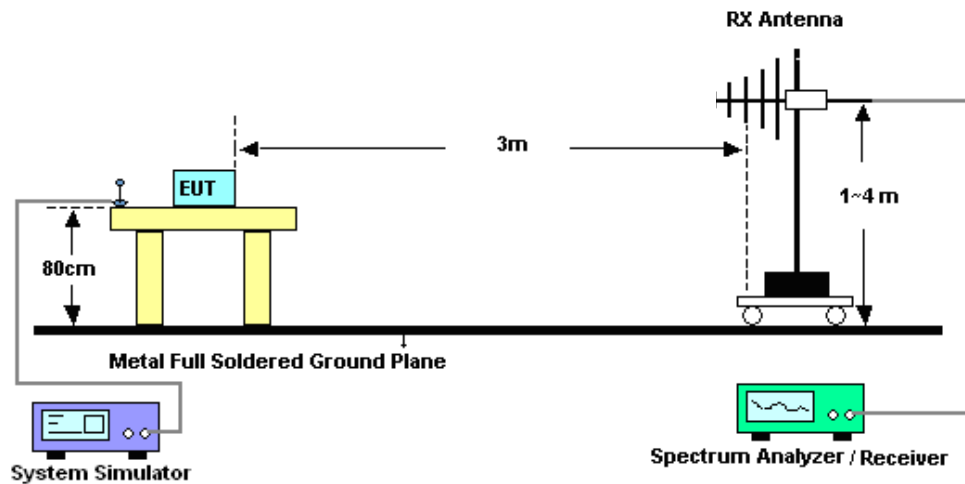
See list of measuring instruments of this test report.

4.2 Test Setup

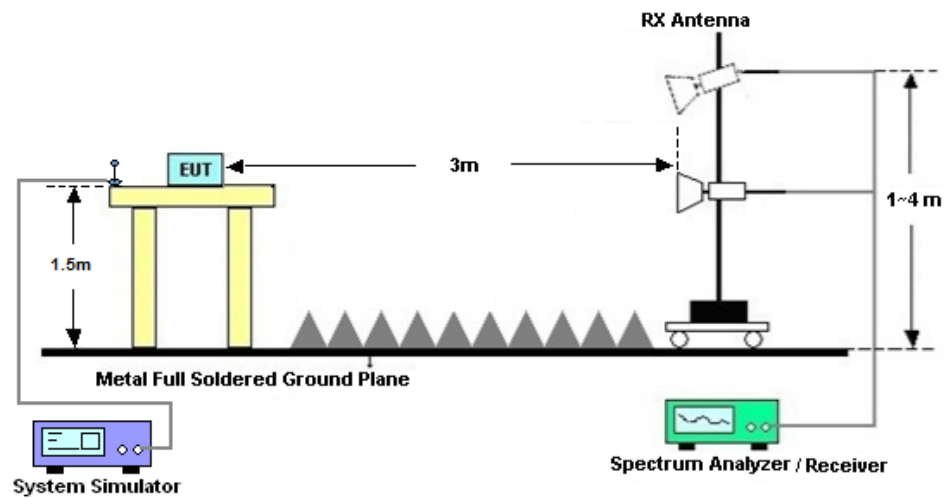
4.2.1 For radiated test below 30MHz



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	Mar. 27, 2025	Mar. 10, 2026~ Mar. 17, 2026	Mar. 26, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct. 13, 2025	Mar. 10, 2026~ Mar. 17, 2026	Oct. 12, 2026	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 07, 2025	Mar. 10, 2026~ Mar. 17, 2026	Nov. 06, 2026	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081 803	-40~+150°C	Jul. 02, 2025	Mar. 10, 2026~ Mar. 17, 2026	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY551502 13	10Hz~44GHz	Jul. 03, 2025	Apr. 18, 2026	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 25, 2025	Apr. 18, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Dec. 23, 2025	Apr. 18, 2026	Dec. 22, 2027	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Apr. 18, 2026	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Apr. 18, 2026	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Apr. 03, 2025	Apr. 18, 2026	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz~3GHz	Dec. 25, 2025	Apr. 18, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY532701 05	0.5GHz~26.5GHz	Oct. 13, 2025	Apr. 18, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003 043	N/A	Oct. 13, 2025	Apr. 18, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Apr. 18, 2026	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Apr. 18, 2026	NCR	Radiation (03CH02-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% ($U = 2Uc(y)$)	2.47 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.31 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.72 dB
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Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and EIRP :

LTE Band 42:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				43190	43340	43490			
Frequency (MHz)				3560	3575	3590	L	M	H
20	QPSK	1	0	21.60	21.61	21.59	0.0912	0.0914	0.0910
20	QPSK	1	49	21.55	21.50	21.52	0.0902	0.0891	0.0895
20	QPSK	1	99	21.38	21.37	21.30	0.0867	0.0865	0.0851
20	QPSK	50	0	20.46	20.50	20.44	0.0701	0.0708	0.0698
20	QPSK	50	24	20.56	20.62	20.56	0.0718	0.0728	0.0718
20	QPSK	50	50	20.55	20.51	20.46	0.0716	0.0710	0.0701
20	QPSK	100	0	20.46	20.56	20.53	0.0701	0.0718	0.0713
20	16QAM	1	0	20.68	20.70	20.71	0.0738	0.0741	0.0743
20	16QAM	1	49	20.74	20.84	20.75	0.0748	0.0766	0.0750
20	16QAM	1	99	20.70	20.64	20.47	0.0741	0.0731	0.0703
20	16QAM	50	0	19.54	19.56	19.53	0.0568	0.0570	0.0566
20	16QAM	50	24	19.51	19.62	19.61	0.0564	0.0578	0.0577
20	16QAM	50	50	19.54	19.54	19.52	0.0568	0.0568	0.0565
20	16QAM	100	0	19.55	19.55	19.56	0.0569	0.0569	0.0570
20	64QAM	1	0	19.64	19.68	19.57	0.0581	0.0586	0.0571
20	64QAM	1	49	19.72	19.63	19.59	0.0592	0.0579	0.0574
20	64QAM	1	99	19.58	19.50	19.52	0.0573	0.0562	0.0565
20	64QAM	50	0	18.50	18.57	18.51	0.0447	0.0454	0.0448
20	64QAM	50	24	18.53	18.66	18.58	0.0450	0.0463	0.0455
20	64QAM	50	50	18.54	18.53	18.51	0.0451	0.0450	0.0448
20	64QAM	100	0	18.46	18.58	18.58	0.0443	0.0455	0.0455
20	256QAM	1	0	16.55	16.41	16.44	0.0285	0.0276	0.0278
20	256QAM	1	49	16.63	16.42	16.47	0.0290	0.0277	0.0280
20	256QAM	1	99	16.52	16.48	16.42	0.0283	0.0281	0.0277
20	256QAM	50	0	16.37	16.41	16.45	0.0274	0.0276	0.0279
20	256QAM	50	24	16.51	16.36	16.53	0.0282	0.0273	0.0284
20	256QAM	50	50	16.58	16.45	16.50	0.0287	0.0279	0.0282
20	256QAM	100	0	16.43	16.56	16.52	0.0277	0.0286	0.0283
Channel				43165	43340	43515	EIRP(W)		
Frequency (MHz)				3557.5	3575	3592.5	L	M	H
15	QPSK	1	0	21.37	21.34	21.39	0.0865	0.0859	0.0869
15	QPSK	1	37	21.44	21.48	21.40	0.0879	0.0887	0.0871
15	QPSK	1	74	21.20	21.32	21.15	0.0832	0.0855	0.0822



15	QPSK	36	0	20.28	20.44	20.42	0.0673	0.0698	0.0695
15	QPSK	36	20	20.46	20.42	20.56	0.0701	0.0695	0.0718
15	QPSK	36	39	20.53	20.36	20.30	0.0713	0.0685	0.0676
15	QPSK	75	0	20.33	20.55	20.38	0.0681	0.0716	0.0689
15	16QAM	1	0	20.56	20.62	20.70	0.0718	0.0728	0.0741
15	16QAM	1	37	20.72	20.71	20.65	0.0745	0.0743	0.0733
15	16QAM	1	74	20.70	20.60	20.32	0.0741	0.0724	0.0679
15	16QAM	36	0	19.41	19.44	19.53	0.0551	0.0555	0.0566
15	16QAM	36	20	19.39	19.45	19.56	0.0548	0.0556	0.0570
15	16QAM	36	39	19.43	19.40	19.41	0.0553	0.0550	0.0551
15	16QAM	75	0	19.40	19.35	19.37	0.0550	0.0543	0.0546
15	64QAM	1	0	19.60	19.58	19.46	0.0575	0.0573	0.0557
15	64QAM	1	37	19.64	19.49	19.43	0.0581	0.0561	0.0553
15	64QAM	1	74	19.46	19.46	19.37	0.0557	0.0557	0.0546
15	64QAM	36	0	18.35	18.50	18.46	0.0432	0.0447	0.0443
15	64QAM	36	20	18.45	18.53	18.42	0.0442	0.0450	0.0439
15	64QAM	36	39	18.47	18.47	18.41	0.0444	0.0444	0.0438
15	64QAM	75	0	18.45	18.47	18.40	0.0442	0.0444	0.0437
15	256QAM	1	0	16.45	16.34	16.25	0.0279	0.0272	0.0266
15	256QAM	1	37	16.53	16.29	16.45	0.0284	0.0269	0.0279
15	256QAM	1	74	16.34	16.45	16.26	0.0272	0.0279	0.0267
15	256QAM	36	0	16.17	16.38	16.31	0.0261	0.0274	0.0270
15	256QAM	36	20	16.51	16.23	16.36	0.0282	0.0265	0.0273
15	256QAM	36	39	16.58	16.36	16.39	0.0287	0.0273	0.0275
15	256QAM	75	0	16.30	16.48	16.49	0.0269	0.0281	0.0281
Channel				43140	43340	43540	EIRP(W)		
Frequency (MHz)				3555	3575	3595	L	M	H
10	QPSK	1	0	21.48	21.35	21.46	0.0887	0.0861	0.0883
10	QPSK	1	25	21.40	21.31	21.34	0.0871	0.0853	0.0859
10	QPSK	1	49	21.27	21.25	21.19	0.0845	0.0841	0.0830
10	QPSK	25	0	20.41	20.47	20.25	0.0693	0.0703	0.0668
10	QPSK	25	12	20.43	20.47	20.36	0.0697	0.0703	0.0685
10	QPSK	25	25	20.38	20.38	20.43	0.0689	0.0689	0.0697
10	QPSK	50	0	20.38	20.36	20.34	0.0689	0.0685	0.0682
10	16QAM	1	0	20.67	20.50	20.52	0.0736	0.0708	0.0711
10	16QAM	1	25	20.56	20.64	20.63	0.0718	0.0731	0.0729
10	16QAM	1	49	20.50	20.62	20.31	0.0708	0.0728	0.0678
10	16QAM	25	0	19.39	19.53	19.37	0.0548	0.0566	0.0546
10	16QAM	25	12	19.35	19.51	19.59	0.0543	0.0564	0.0574
10	16QAM	25	25	19.40	19.41	19.43	0.0550	0.0551	0.0553
10	16QAM	50	0	19.50	19.43	19.42	0.0562	0.0553	0.0552
10	64QAM	1	0	19.54	19.51	19.50	0.0568	0.0564	0.0562
10	64QAM	1	25	19.58	19.46	19.40	0.0573	0.0557	0.0550
10	64QAM	1	49	19.47	19.34	19.42	0.0558	0.0542	0.0552
10	64QAM	25	0	18.49	18.45	18.32	0.0446	0.0442	0.0429
10	64QAM	25	12	18.45	18.54	18.42	0.0442	0.0451	0.0439
10	64QAM	25	25	18.46	18.40	18.40	0.0443	0.0437	0.0437
10	64QAM	50	0	18.38	18.40	18.50	0.0435	0.0437	0.0447



10	256QAM	1	0	16.35	16.31	16.44	0.0272	0.0270	0.0278
10	256QAM	1	25	16.59	16.41	16.36	0.0288	0.0276	0.0273
10	256QAM	1	49	16.37	16.46	16.29	0.0274	0.0279	0.0269
10	256QAM	25	0	16.33	16.33	16.44	0.0271	0.0271	0.0278
10	256QAM	25	12	16.40	16.28	16.38	0.0275	0.0268	0.0274
10	256QAM	25	25	16.54	16.25	16.41	0.0284	0.0266	0.0276
10	256QAM	50	0	16.23	16.49	16.40	0.0265	0.0281	0.0275
Channel				43115	43340	43565	EIRP(W)		
Frequency (MHz)				3552.5	3575	3597.5	L	M	H
5	QPSK	1	0	21.39	21.46	21.42	0.0869	0.0883	0.0875
5	QPSK	1	12	21.35	21.38	21.34	0.0861	0.0867	0.0859
5	QPSK	1	24	21.18	21.20	21.15	0.0828	0.0832	0.0822
5	QPSK	12	0	20.38	20.37	20.37	0.0689	0.0687	0.0687
5	QPSK	12	7	20.43	20.44	20.36	0.0697	0.0698	0.0685
5	QPSK	12	13	20.54	20.36	20.27	0.0714	0.0685	0.0671
5	QPSK	25	0	20.30	20.36	20.35	0.0676	0.0685	0.0684
5	16QAM	1	0	20.53	20.55	20.69	0.0713	0.0716	0.0740
5	16QAM	1	12	20.57	20.77	20.55	0.0719	0.0753	0.0716
5	16QAM	1	24	20.61	20.64	20.39	0.0726	0.0731	0.0690
5	16QAM	12	0	19.36	19.56	19.46	0.0545	0.0570	0.0557
5	16QAM	12	7	19.34	19.60	19.55	0.0542	0.0575	0.0569
5	16QAM	12	13	19.45	19.42	19.46	0.0556	0.0552	0.0557
5	16QAM	25	0	19.39	19.55	19.49	0.0548	0.0569	0.0561
5	64QAM	1	0	19.45	19.68	19.37	0.0556	0.0586	0.0546
5	64QAM	1	12	19.64	19.49	19.47	0.0581	0.0561	0.0558
5	64QAM	1	24	19.54	19.31	19.34	0.0568	0.0538	0.0542
5	64QAM	12	0	18.45	18.52	18.32	0.0442	0.0449	0.0429
5	64QAM	12	7	18.43	18.62	18.55	0.0440	0.0459	0.0452
5	64QAM	12	13	18.38	18.46	18.41	0.0435	0.0443	0.0438
5	64QAM	25	0	18.40	18.56	18.49	0.0437	0.0453	0.0446
5	256QAM	1	0	16.40	16.29	16.39	0.0275	0.0269	0.0275
5	256QAM	1	12	16.50	16.22	16.46	0.0282	0.0264	0.0279
5	256QAM	1	24	16.43	16.41	16.40	0.0277	0.0276	0.0275
5	256QAM	12	0	16.34	16.34	16.34	0.0272	0.0272	0.0272
5	256QAM	12	7	16.34	16.30	16.36	0.0272	0.0269	0.0273
5	256QAM	12	13	16.52	16.29	16.43	0.0283	0.0269	0.0277
5	256QAM	25	0	16.34	16.42	16.47	0.0272	0.0277	0.0280



LTE Band 43:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				43690	44090	44490			
Frequency (MHz)				3610	3650	3690	L	M	H
20	QPSK	1	0	21.45	21.75	21.46	0.0881	0.0944	0.0883
20	QPSK	1	49	21.35	21.63	21.37	0.0861	0.0918	0.0865
20	QPSK	1	99	21.33	21.33	21.09	0.0857	0.0857	0.0811
20	QPSK	50	0	20.61	20.69	20.47	0.0726	0.0740	0.0703
20	QPSK	50	24	20.62	20.70	20.48	0.0728	0.0741	0.0705
20	QPSK	50	50	20.38	20.64	20.40	0.0689	0.0731	0.0692
20	QPSK	100	0	20.34	20.61	20.42	0.0682	0.0726	0.0695
20	16QAM	1	0	20.28	20.63	20.66	0.0673	0.0729	0.0735
20	16QAM	1	49	20.42	20.62	20.46	0.0695	0.0728	0.0701
20	16QAM	1	99	20.17	20.13	20.29	0.0656	0.0650	0.0675
20	16QAM	50	0	19.54	19.44	19.55	0.0568	0.0555	0.0569
20	16QAM	50	24	19.64	19.47	19.59	0.0581	0.0558	0.0574
20	16QAM	50	50	19.33	19.43	19.53	0.0541	0.0553	0.0566
20	16QAM	100	0	19.71	19.38	19.43	0.0590	0.0547	0.0553
20	64QAM	1	0	19.41	19.43	19.66	0.0551	0.0553	0.0583
20	64QAM	1	49	19.66	19.27	19.19	0.0583	0.0533	0.0524
20	64QAM	1	99	19.04	19.36	19.09	0.0506	0.0545	0.0512
20	64QAM	50	0	18.45	18.49	18.48	0.0442	0.0446	0.0445
20	64QAM	50	24	18.55	18.49	18.61	0.0452	0.0446	0.0458
20	64QAM	50	50	18.51	18.68	18.55	0.0448	0.0466	0.0452
20	64QAM	100	0	18.36	18.77	18.38	0.0433	0.0475	0.0435
20	256QAM	1	0	16.52	16.70	16.39	0.0283	0.0295	0.0275
20	256QAM	1	49	16.44	16.73	16.35	0.0278	0.0297	0.0272
20	256QAM	1	99	16.46	16.70	16.38	0.0279	0.0295	0.0274
20	256QAM	50	0	16.48	16.64	16.35	0.0281	0.0291	0.0272
20	256QAM	50	24	16.43	16.71	16.28	0.0277	0.0296	0.0268
20	256QAM	50	50	16.38	16.76	16.30	0.0274	0.0299	0.0269
20	256QAM	100	0	16.53	16.64	16.45	0.0284	0.0291	0.0279
Channel				43665	44090	44515	EIRP(W)		
Frequency (MHz)				3607.5	3650	3692.5	L	M	H
15	QPSK	1	0	21.31	21.72	21.45	0.0853	0.0938	0.0881
15	QPSK	1	37	21.22	21.53	21.27	0.0836	0.0897	0.0845
15	QPSK	1	74	21.32	21.22	21.02	0.0855	0.0836	0.0798
15	QPSK	36	0	20.52	20.56	20.34	0.0711	0.0718	0.0682
15	QPSK	36	20	20.52	20.52	20.33	0.0711	0.0711	0.0681
15	QPSK	36	39	20.29	20.52	20.23	0.0675	0.0711	0.0665
15	QPSK	75	0	20.18	20.41	20.31	0.0658	0.0693	0.0678
15	16QAM	1	0	20.19	20.48	20.55	0.0659	0.0705	0.0716
15	16QAM	1	37	20.30	20.55	20.36	0.0676	0.0716	0.0685
15	16QAM	1	74	20.03	20.04	20.18	0.0635	0.0637	0.0658
15	16QAM	36	0	19.45	19.28	19.49	0.0556	0.0535	0.0561
15	16QAM	36	20	19.47	19.28	19.56	0.0558	0.0535	0.0570



15	16QAM	36	39	19.29	19.30	19.44	0.0536	0.0537	0.0555
15	16QAM	75	0	19.71	19.37	19.43	0.0590	0.0546	0.0553
15	64QAM	1	0	19.37	19.40	19.48	0.0546	0.0550	0.0560
15	64QAM	1	37	19.63	19.07	19.03	0.0579	0.0509	0.0505
15	64QAM	1	74	19.07	19.17	19.00	0.0509	0.0521	0.0501
15	64QAM	36	0	18.25	18.36	18.32	0.0422	0.0433	0.0429
15	64QAM	36	20	18.41	18.49	18.58	0.0438	0.0446	0.0455
15	64QAM	36	39	18.35	18.57	18.46	0.0432	0.0454	0.0443
15	64QAM	75	0	18.30	18.63	18.22	0.0427	0.0460	0.0419
15	256QAM	1	0	16.38	16.61	16.25	0.0274	0.0289	0.0266
15	256QAM	1	37	16.35	16.59	16.31	0.0272	0.0288	0.0270
15	256QAM	1	74	16.43	16.52	16.37	0.0277	0.0283	0.0274
15	256QAM	36	0	16.45	16.56	16.23	0.0279	0.0286	0.0265
15	256QAM	36	20	16.37	16.70	16.25	0.0274	0.0295	0.0266
15	256QAM	36	39	16.24	16.65	16.24	0.0265	0.0292	0.0265
15	256QAM	75	0	16.38	16.55	16.41	0.0274	0.0285	0.0276
Channel				43640	44090	44540	EIRP(W)		
Frequency (MHz)				3605	3650	3695	L	M	H
10	QPSK	1	0	21.27	21.72	21.35	0.0845	0.0938	0.0861
10	QPSK	1	25	21.35	21.57	21.18	0.0861	0.0906	0.0828
10	QPSK	1	49	21.30	21.14	21.03	0.0851	0.0820	0.0800
10	QPSK	25	0	20.60	20.68	20.38	0.0724	0.0738	0.0689
10	QPSK	25	12	20.58	20.53	20.41	0.0721	0.0713	0.0693
10	QPSK	25	25	20.34	20.64	20.39	0.0682	0.0731	0.0690
10	QPSK	50	0	20.14	20.53	20.34	0.0652	0.0713	0.0682
10	16QAM	1	0	20.10	20.62	20.66	0.0646	0.0728	0.0735
10	16QAM	1	25	20.35	20.47	20.46	0.0684	0.0703	0.0701
10	16QAM	1	49	20.04	20.03	20.09	0.0637	0.0635	0.0644
10	16QAM	25	0	19.45	19.40	19.49	0.0556	0.0550	0.0561
10	16QAM	25	12	19.47	19.28	19.42	0.0558	0.0535	0.0552
10	16QAM	25	25	19.31	19.41	19.47	0.0538	0.0551	0.0558
10	16QAM	50	0	19.60	19.24	19.40	0.0575	0.0530	0.0550
10	64QAM	1	0	19.21	19.40	19.58	0.0526	0.0550	0.0573
10	64QAM	1	25	19.51	19.13	19.10	0.0564	0.0516	0.0513
10	64QAM	1	49	19.03	19.22	19.02	0.0505	0.0527	0.0504
10	64QAM	25	0	18.40	18.34	18.48	0.0437	0.0431	0.0445
10	64QAM	25	12	18.38	18.37	18.49	0.0435	0.0434	0.0446
10	64QAM	25	25	18.36	18.68	18.41	0.0433	0.0466	0.0438
10	64QAM	50	0	18.35	18.77	18.35	0.0432	0.0475	0.0432
10	256QAM	1	0	16.41	16.60	16.38	0.0276	0.0288	0.0274
10	256QAM	1	25	16.36	16.72	16.24	0.0273	0.0296	0.0265
10	256QAM	1	49	16.31	16.50	16.31	0.0270	0.0282	0.0270
10	256QAM	25	0	16.30	16.50	16.27	0.0269	0.0282	0.0267
10	256QAM	25	12	16.26	16.66	16.27	0.0267	0.0292	0.0267
10	256QAM	25	25	16.33	16.66	16.19	0.0271	0.0292	0.0262
10	256QAM	50	0	16.36	16.45	16.28	0.0273	0.0279	0.0268
Channel				43615	44090	44565	EIRP(W)		
Frequency (MHz)				3602.5	3650	3697.5	L	M	H



5	QPSK	1	0	21.44	21.74	21.34	0.0879	0.0942	0.0859
5	QPSK	1	12	21.26	21.50	21.30	0.0843	0.0891	0.0851
5	QPSK	1	24	21.30	21.27	21.17	0.0851	0.0845	0.0826
5	QPSK	12	0	20.50	20.62	20.37	0.0708	0.0728	0.0687
5	QPSK	12	7	20.49	20.50	20.39	0.0706	0.0708	0.0690
5	QPSK	12	13	20.36	20.45	20.35	0.0685	0.0700	0.0684
5	QPSK	25	0	20.31	20.53	20.41	0.0678	0.0713	0.0693
5	16QAM	1	0	20.24	20.51	20.60	0.0667	0.0710	0.0724
5	16QAM	1	12	20.38	20.60	20.44	0.0689	0.0724	0.0698
5	16QAM	1	24	20.07	20.06	20.12	0.0641	0.0640	0.0649
5	16QAM	12	0	19.36	19.34	19.48	0.0545	0.0542	0.0560
5	16QAM	12	7	19.60	19.32	19.50	0.0575	0.0540	0.0562
5	16QAM	12	13	19.31	19.26	19.50	0.0538	0.0532	0.0562
5	16QAM	25	0	19.69	19.28	19.40	0.0587	0.0535	0.0550
5	64QAM	1	0	19.28	19.39	19.46	0.0535	0.0548	0.0557
5	64QAM	1	12	19.61	19.20	19.09	0.0577	0.0525	0.0512
5	64QAM	1	24	19.08	19.20	19.03	0.0511	0.0525	0.0505
5	64QAM	12	0	18.45	18.37	18.48	0.0442	0.0434	0.0445
5	64QAM	12	7	18.54	18.44	18.52	0.0451	0.0441	0.0449
5	64QAM	12	13	18.43	18.66	18.47	0.0440	0.0463	0.0444
5	64QAM	25	0	18.26	18.69	18.23	0.0423	0.0467	0.0420
5	256QAM	1	0	16.46	16.63	16.23	0.0279	0.0290	0.0265
5	256QAM	1	12	16.30	16.73	16.26	0.0269	0.0297	0.0267
5	256QAM	1	24	16.26	16.53	16.21	0.0267	0.0284	0.0264
5	256QAM	12	0	16.34	16.45	16.18	0.0272	0.0279	0.0262
5	256QAM	12	7	16.31	16.61	16.26	0.0270	0.0289	0.0267
5	256QAM	12	13	16.24	16.58	16.30	0.0265	0.0287	0.0269
5	256QAM	25	0	16.42	16.48	16.45	0.0277	0.0281	0.0279



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	21.70	21.94	21.82	0.1047	0.1107	0.1076
20	QPSK	1	49	21.67	21.79	21.78	0.1040	0.1069	0.1067
20	QPSK	1	99	21.51	21.72	21.65	0.1002	0.1052	0.1035
20	QPSK	50	0	20.57	20.67	20.70	0.0807	0.0826	0.0832
20	QPSK	50	24	20.77	20.98	20.95	0.0845	0.0887	0.0881
20	QPSK	50	50	20.72	20.80	20.89	0.0836	0.0851	0.0869
20	QPSK	100	0	20.63	20.79	20.79	0.0818	0.0849	0.0849
20	16QAM	1	0	20.50	20.73	20.63	0.0794	0.0838	0.0818
20	16QAM	1	49	20.78	21.05	20.94	0.0847	0.0902	0.0879
20	16QAM	1	99	20.72	20.78	20.89	0.0836	0.0847	0.0869
20	16QAM	50	0	19.77	19.88	19.88	0.0671	0.0689	0.0689
20	16QAM	50	24	19.75	19.99	19.88	0.0668	0.0706	0.0689
20	16QAM	50	50	19.70	19.92	19.85	0.0661	0.0695	0.0684
20	16QAM	100	0	19.61	19.77	19.77	0.0647	0.0671	0.0671
20	64QAM	1	0	20.46	20.55	20.63	0.0787	0.0804	0.0818
20	64QAM	1	49	19.98	20.11	20.09	0.0705	0.0726	0.0723
20	64QAM	1	99	20.55	20.82	20.70	0.0804	0.0855	0.0832
20	64QAM	50	0	19.69	19.83	19.80	0.0659	0.0681	0.0676
20	64QAM	50	24	19.80	19.63	19.92	0.0676	0.0650	0.0695
20	64QAM	50	50	19.75	19.80	19.87	0.0668	0.0676	0.0687
20	64QAM	100	0	19.73	19.93	19.87	0.0665	0.0697	0.0687
20	256QAM	1	0	16.63	16.79	16.88	0.0326	0.0338	0.0345
20	256QAM	1	49	16.58	16.90	16.82	0.0322	0.0347	0.0340
20	256QAM	1	99	16.60	16.64	16.77	0.0324	0.0327	0.0337
20	256QAM	50	0	16.65	16.77	16.86	0.0327	0.0337	0.0344
20	256QAM	50	24	16.63	16.93	16.70	0.0326	0.0349	0.0331
20	256QAM	50	50	16.72	16.75	16.78	0.0333	0.0335	0.0337
20	256QAM	100	0	16.71	16.80	16.77	0.0332	0.0339	0.0337
Channel				55315	55990	56665	EIRP(W)		
Frequency (MHz)				3557.5	3625	3692.5	L	M	H
15	QPSK	1	0	21.54	21.77	21.64	0.1009	0.1064	0.1033
15	QPSK	1	37	21.49	21.71	21.65	0.0998	0.1050	0.1035
15	QPSK	1	74	21.32	21.67	21.48	0.0959	0.1040	0.0995
15	QPSK	36	0	20.57	20.73	20.63	0.0807	0.0838	0.0818
15	QPSK	36	20	20.72	20.77	20.89	0.0836	0.0845	0.0869
15	QPSK	36	39	20.63	20.91	20.91	0.0818	0.0873	0.0873
15	QPSK	75	0	20.57	20.69	20.66	0.0807	0.0830	0.0824
15	16QAM	1	0	20.41	20.50	20.51	0.0778	0.0794	0.0796
15	16QAM	1	37	20.74	20.82	20.77	0.0839	0.0855	0.0845
15	16QAM	1	74	20.54	20.84	20.87	0.0802	0.0859	0.0865
15	16QAM	36	0	19.72	19.86	19.81	0.0664	0.0685	0.0678
15	16QAM	36	20	19.71	19.90	19.72	0.0662	0.0692	0.0664



15	16QAM	36	39	19.55	19.71	19.67	0.0638	0.0662	0.0656
15	16QAM	75	0	19.44	19.74	19.57	0.0622	0.0667	0.0641
15	64QAM	1	0	20.39	20.50	20.53	0.0774	0.0794	0.0800
15	64QAM	1	37	19.83	20.09	20.00	0.0681	0.0723	0.0708
15	64QAM	1	74	20.41	20.69	20.70	0.0778	0.0830	0.0832
15	64QAM	36	0	19.55	19.72	19.66	0.0638	0.0664	0.0655
15	64QAM	36	20	19.74	19.69	19.90	0.0667	0.0659	0.0692
15	64QAM	36	39	19.58	19.88	19.81	0.0643	0.0689	0.0678
15	64QAM	75	0	19.71	19.80	19.81	0.0662	0.0676	0.0678
15	256QAM	1	0	16.46	16.73	16.85	0.0313	0.0333	0.0343
15	256QAM	1	37	16.46	16.75	16.74	0.0313	0.0335	0.0334
15	256QAM	1	74	16.56	16.59	16.72	0.0321	0.0323	0.0333
15	256QAM	36	0	16.63	16.66	16.77	0.0326	0.0328	0.0337
15	256QAM	36	20	16.48	16.89	16.57	0.0315	0.0346	0.0321
15	256QAM	36	39	16.64	16.59	16.62	0.0327	0.0323	0.0325
15	256QAM	75	0	16.64	16.72	16.64	0.0327	0.0333	0.0327
Channel				55290	55990	56690	EIRP(W)		
Frequency (MHz)				3555	3625	3695	L	M	H
10	QPSK	1	0	21.68	21.88	21.62	0.1042	0.1091	0.1028
10	QPSK	1	25	21.60	21.82	21.61	0.1023	0.1076	0.1026
10	QPSK	1	49	21.47	21.49	21.52	0.0993	0.0998	0.1005
10	QPSK	25	0	20.55	20.61	20.53	0.0804	0.0815	0.0800
10	QPSK	25	12	20.63	20.85	20.89	0.0818	0.0861	0.0869
10	QPSK	25	25	20.65	20.81	20.91	0.0822	0.0853	0.0873
10	QPSK	50	0	20.60	20.65	20.61	0.0813	0.0822	0.0815
10	16QAM	1	0	20.39	20.59	20.46	0.0774	0.0811	0.0787
10	16QAM	1	25	20.58	20.80	20.74	0.0809	0.0851	0.0839
10	16QAM	1	49	20.57	20.80	20.74	0.0807	0.0851	0.0839
10	16QAM	25	0	19.73	19.84	19.77	0.0665	0.0682	0.0671
10	16QAM	25	12	19.75	19.71	19.80	0.0668	0.0662	0.0676
10	16QAM	25	25	19.56	19.80	19.73	0.0640	0.0676	0.0665
10	16QAM	50	0	19.49	19.67	19.58	0.0630	0.0656	0.0643
10	64QAM	1	0	20.39	20.61	20.43	0.0774	0.0815	0.0782
10	64QAM	1	25	19.97	19.98	20.03	0.0703	0.0705	0.0713
10	64QAM	1	49	20.47	20.61	20.62	0.0789	0.0815	0.0817
10	64QAM	25	0	19.51	19.60	19.74	0.0632	0.0646	0.0667
10	64QAM	25	12	19.77	19.73	19.79	0.0671	0.0665	0.0675
10	64QAM	25	25	19.64	19.78	19.78	0.0652	0.0673	0.0673
10	64QAM	50	0	19.58	19.77	19.75	0.0643	0.0671	0.0668
10	256QAM	1	0	16.46	16.82	16.79	0.0313	0.0340	0.0338
10	256QAM	1	25	16.55	16.87	16.70	0.0320	0.0344	0.0331
10	256QAM	1	49	16.57	16.71	16.61	0.0321	0.0332	0.0324
10	256QAM	25	0	16.54	16.78	16.85	0.0319	0.0337	0.0343
10	256QAM	25	12	16.52	16.76	16.58	0.0318	0.0336	0.0322
10	256QAM	25	25	16.63	16.71	16.69	0.0326	0.0332	0.0330
10	256QAM	50	0	16.59	16.68	16.66	0.0323	0.0330	0.0328
Channel				55265	55990	56715	EIRP(W)		
Frequency (MHz)				3552.5	3625	3697.5	L	M	H



5	QPSK	1	0	21.58	21.86	21.82	0.1019	0.1086	0.1076
5	QPSK	1	12	21.48	21.61	21.72	0.0995	0.1026	0.1052
5	QPSK	1	24	21.32	21.57	21.47	0.0959	0.1016	0.0993
5	QPSK	12	0	20.53	20.58	20.66	0.0800	0.0809	0.0824
5	QPSK	12	7	20.52	20.76	20.79	0.0798	0.0843	0.0849
5	QPSK	12	13	20.62	20.92	20.88	0.0817	0.0875	0.0867
5	QPSK	25	0	20.62	20.68	20.68	0.0817	0.0828	0.0828
5	16QAM	1	0	20.50	20.62	20.46	0.0794	0.0817	0.0787
5	16QAM	1	12	20.61	20.84	20.90	0.0815	0.0859	0.0871
5	16QAM	1	24	20.60	20.78	20.76	0.0813	0.0847	0.0843
5	16QAM	12	0	19.77	19.86	19.72	0.0671	0.0685	0.0664
5	16QAM	12	7	19.68	19.90	19.71	0.0658	0.0692	0.0662
5	16QAM	12	13	19.65	19.82	19.84	0.0653	0.0679	0.0682
5	16QAM	25	0	19.50	19.61	19.67	0.0631	0.0647	0.0656
5	64QAM	1	0	20.39	20.65	20.58	0.0774	0.0822	0.0809
5	64QAM	1	12	19.89	20.11	19.89	0.0690	0.0726	0.0690
5	64QAM	1	24	20.51	20.72	20.54	0.0796	0.0836	0.0802
5	64QAM	12	0	19.56	19.68	19.60	0.0640	0.0658	0.0646
5	64QAM	12	7	19.77	19.63	19.74	0.0671	0.0650	0.0667
5	64QAM	12	13	19.64	19.71	19.74	0.0652	0.0662	0.0667
5	64QAM	25	0	19.58	19.87	19.68	0.0643	0.0687	0.0658
5	256QAM	1	0	16.60	16.79	16.84	0.0324	0.0338	0.0342
5	256QAM	1	12	16.55	16.75	16.66	0.0320	0.0335	0.0328
5	256QAM	1	24	16.51	16.61	16.71	0.0317	0.0324	0.0332
5	256QAM	12	0	16.50	16.65	16.85	0.0316	0.0327	0.0343
5	256QAM	12	7	16.61	16.77	16.55	0.0324	0.0337	0.0320
5	256QAM	12	13	16.69	16.69	16.65	0.0330	0.0330	0.0327
5	256QAM	25	0	16.54	16.69	16.76	0.0319	0.0330	0.0336



LTE Band 48

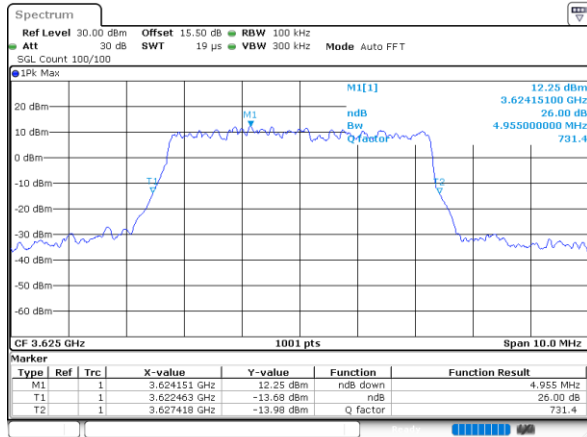
26dB Bandwidth

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	-	-	-	-	4.96	5.16	9.87	9.71	14.18	14.27	19.18	19.14



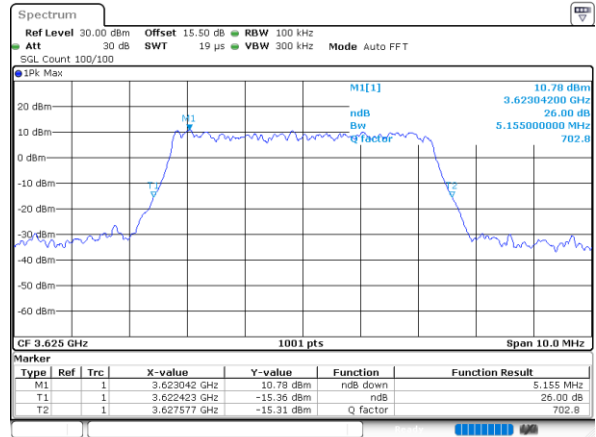
LTE Band 48

Middle Channel / 5MHz / QPSK



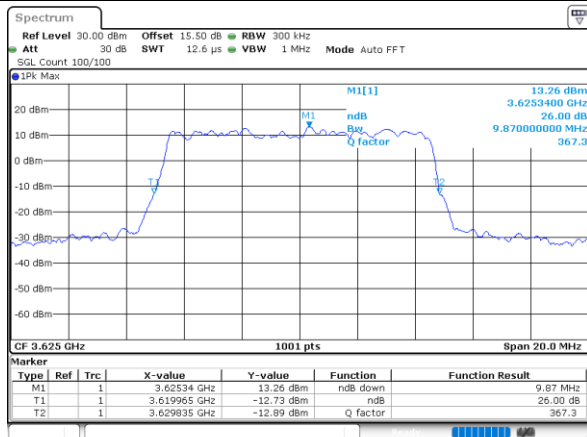
Date: 10.MAR.2026 13:58:21

Middle Channel / 5MHz / 16QAM



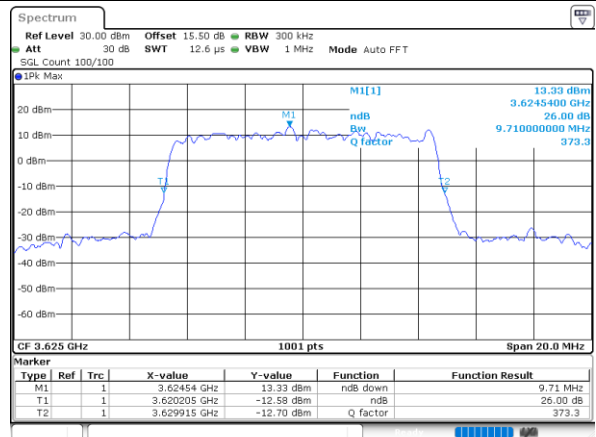
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Middle Channel / 10MHz / QPSK



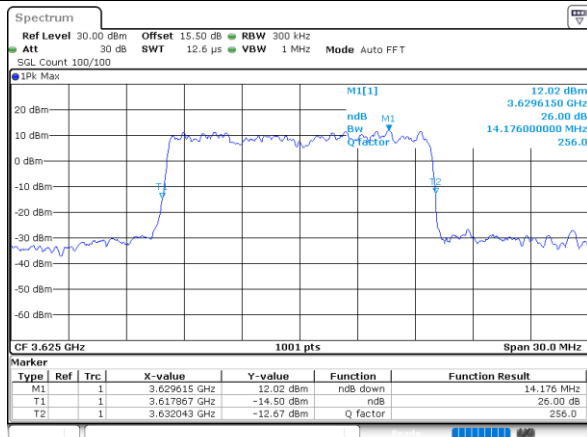
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Middle Channel / 10MHz / 16QAM



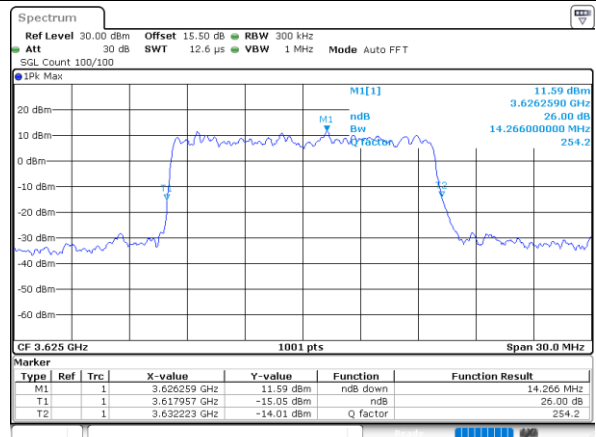
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Middle Channel / 15MHz / QPSK



Date: 10.MAR.2026 14:56:41

Middle Channel / 15MHz / 16QAM

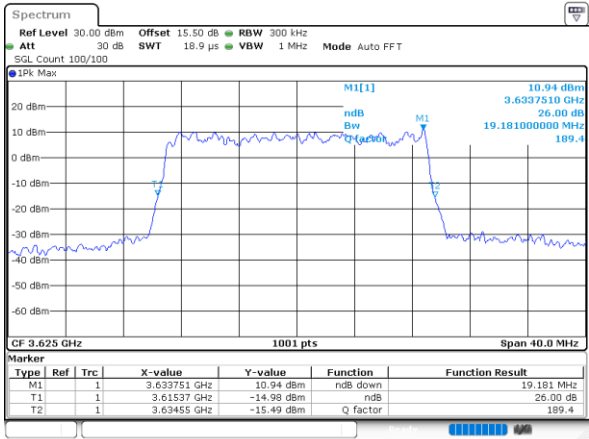


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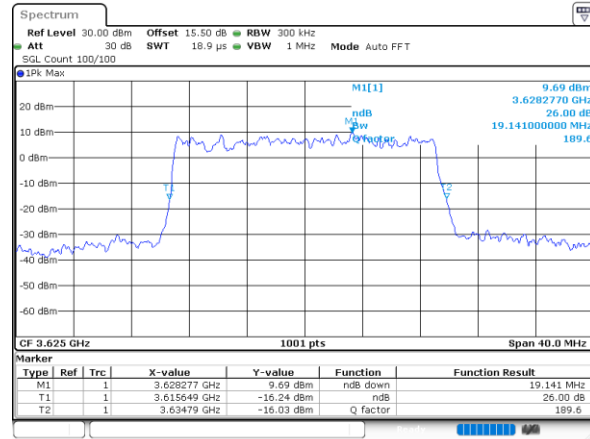


LTE Band 48

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



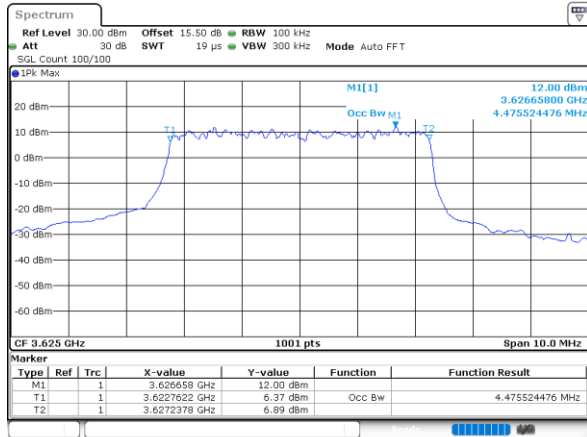
Occupied Bandwidth

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	-	-	-	-	4.48	4.52	8.99	9.07	13.46	13.43	17.86	17.90

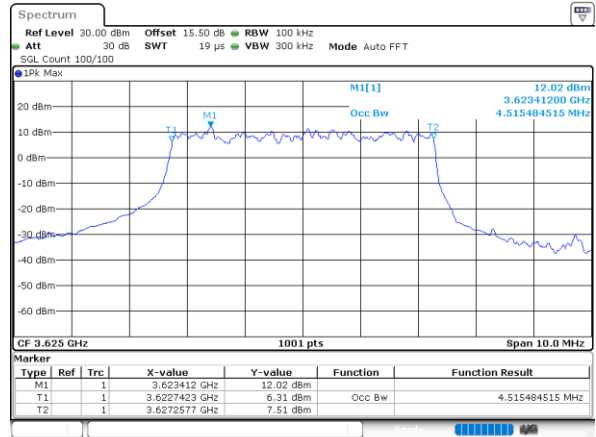


LTE Band 48

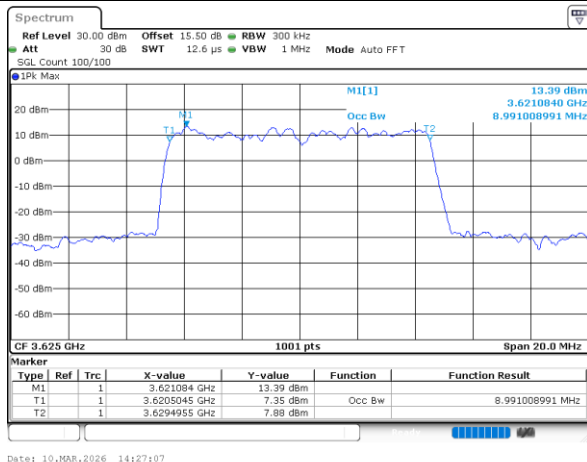
Middle Channel / 5MHz / QPSK



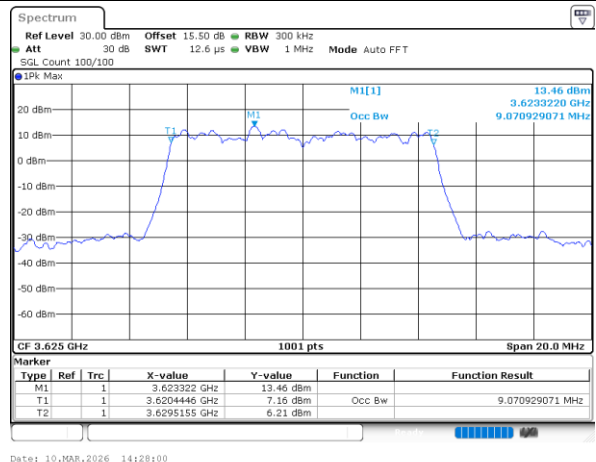
Middle Channel / 5MHz / 16QAM



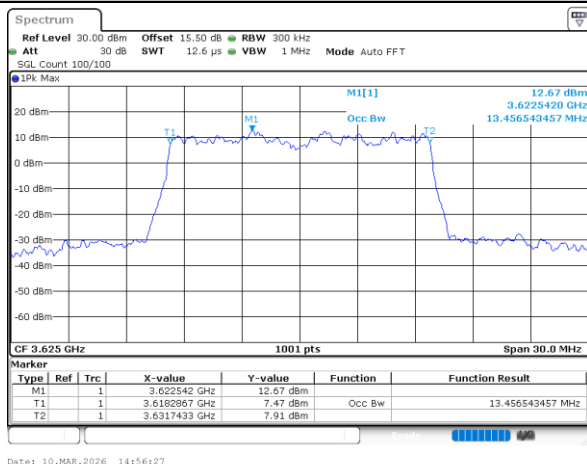
Middle Channel / 10MHz / QPSK



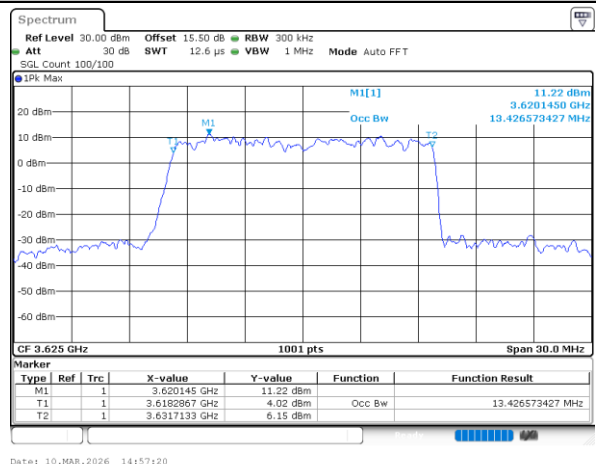
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



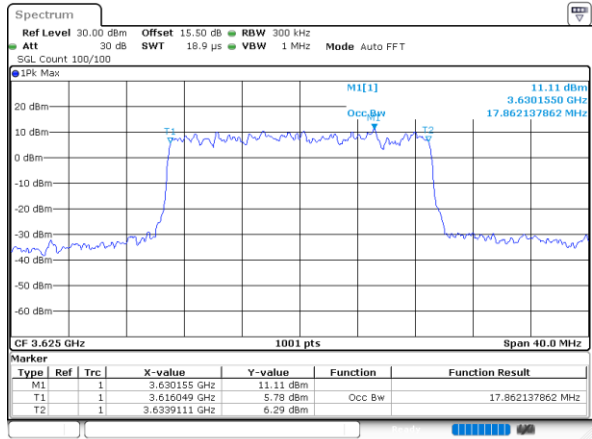
Middle Channel / 15MHz / 16QAM





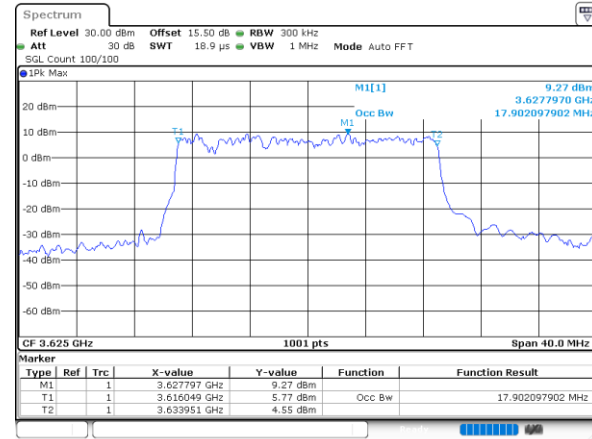
LTE Band 48

Middle Channel / 20MHz / QPSK



Date: 10.MAR.2026 15:26:26

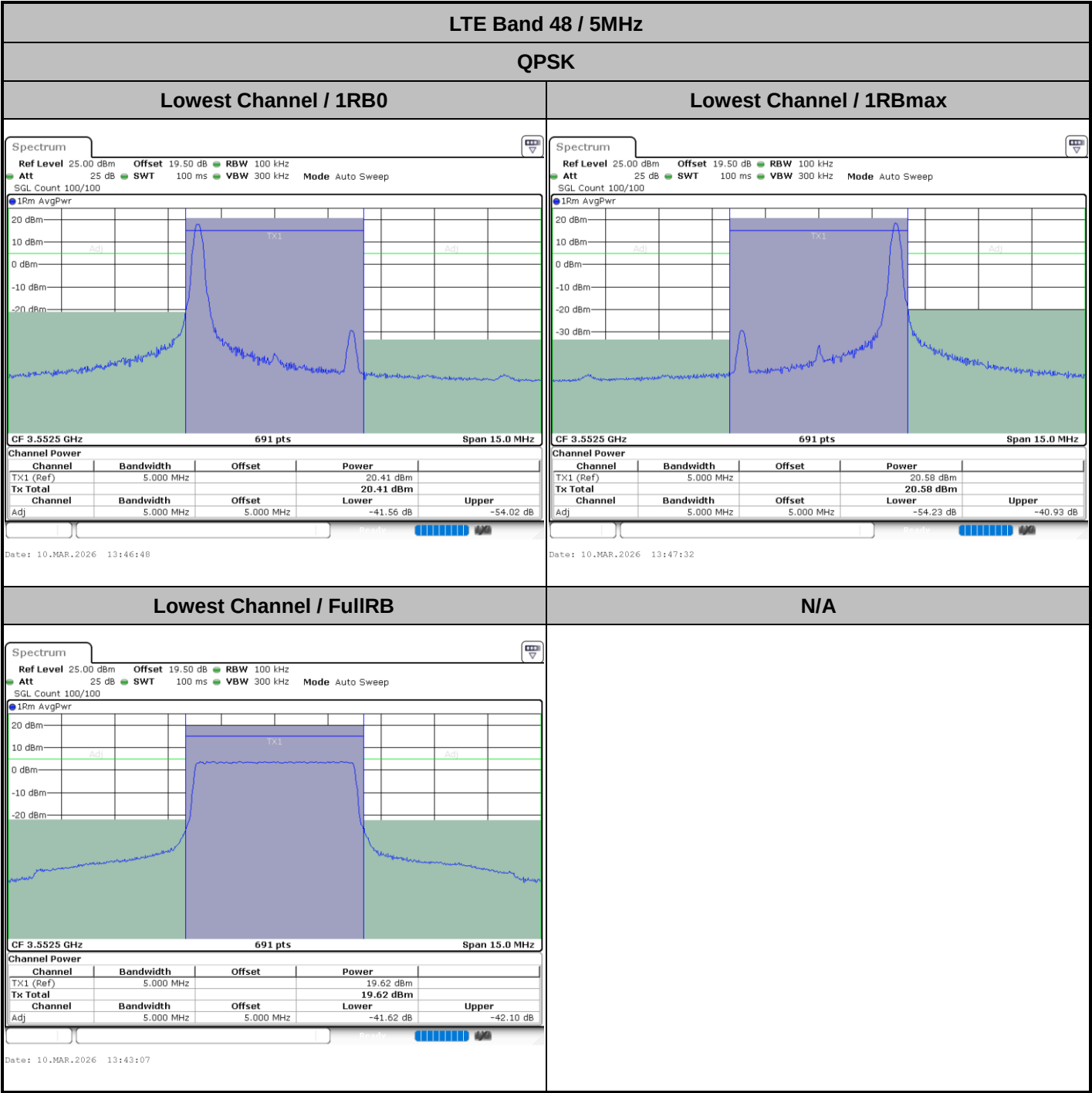
Middle Channel / 20MHz / 16QAM



Date: 10.MAR.2026 15:25:33



ACLR

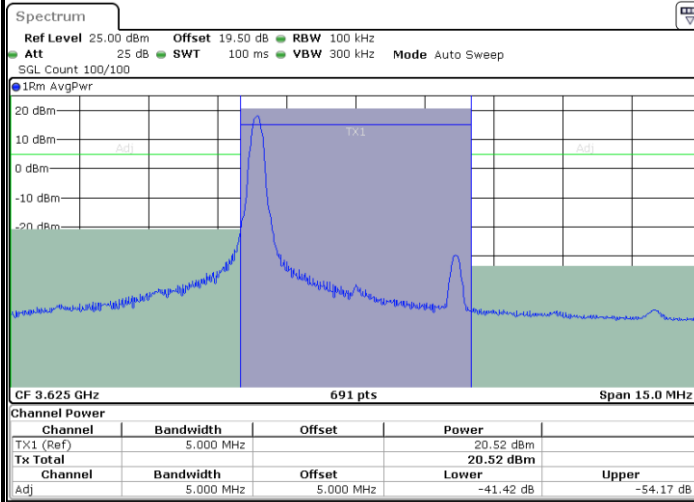




LTE Band 48 / 5MHz

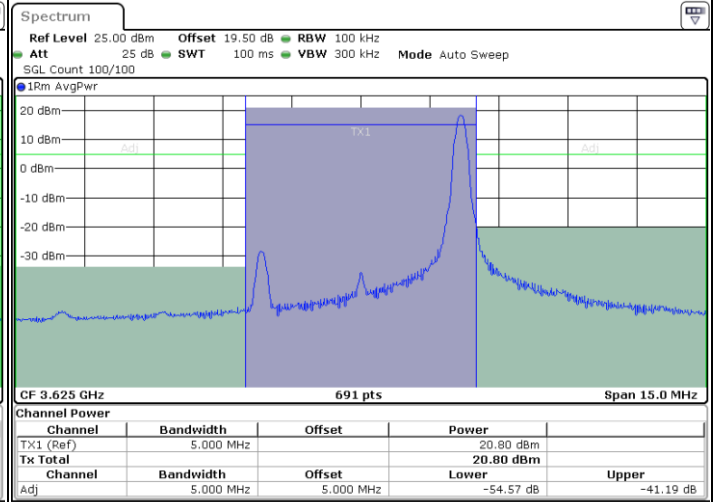
QPSK

Middle Channel / 1RB0



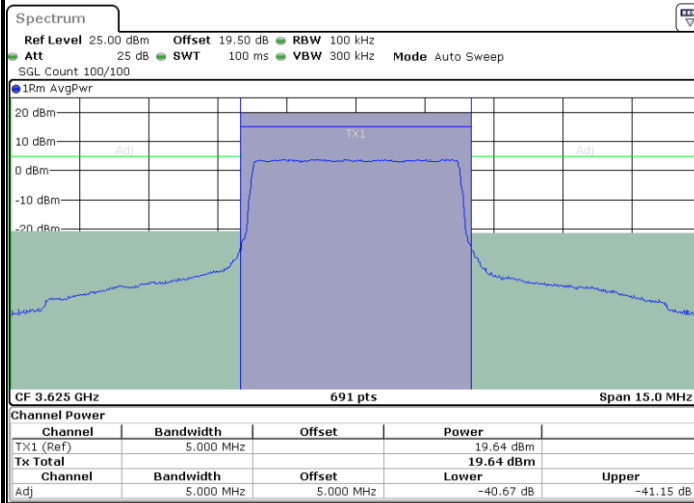
Date: 10.MAR.2026 13:54:14

Middle Channel / 1RBmax



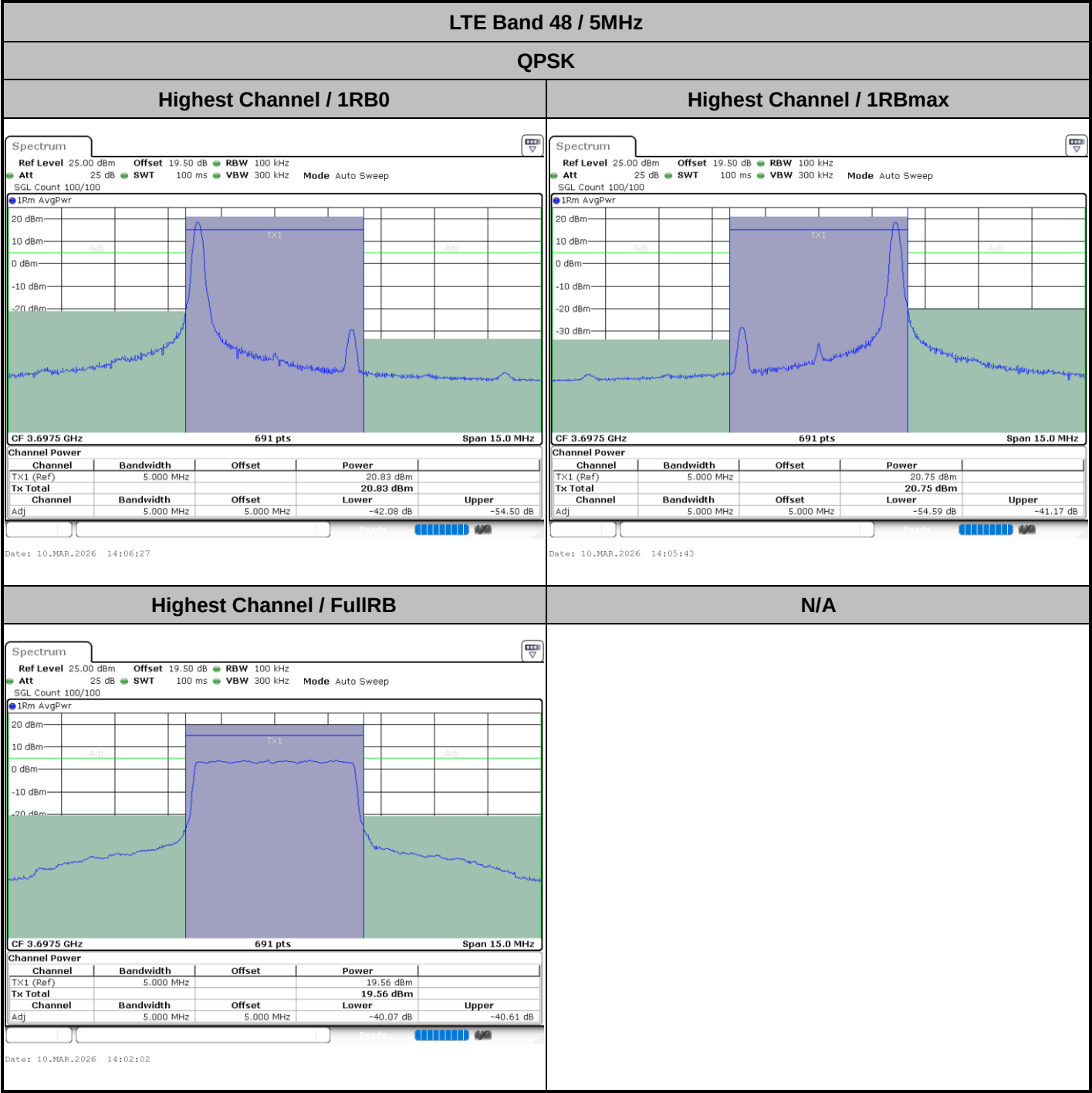
Date: 10.MAR.2026 13:53:31

Middle Channel / FullRB



Date: 10.MAR.2026 13:57:52

N/A

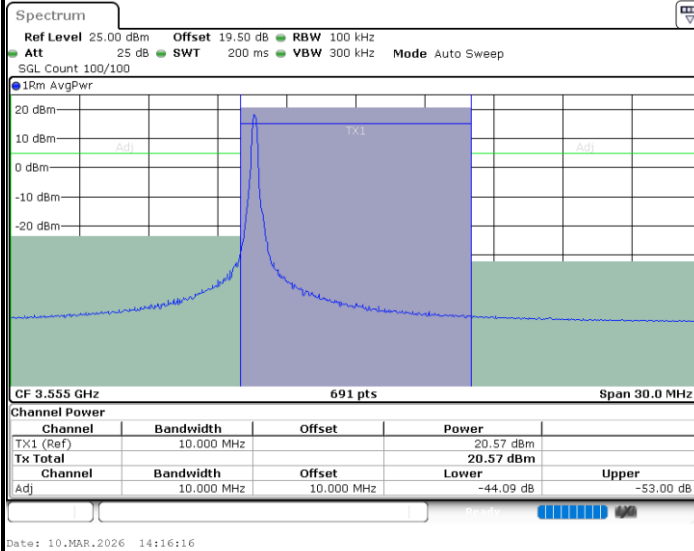




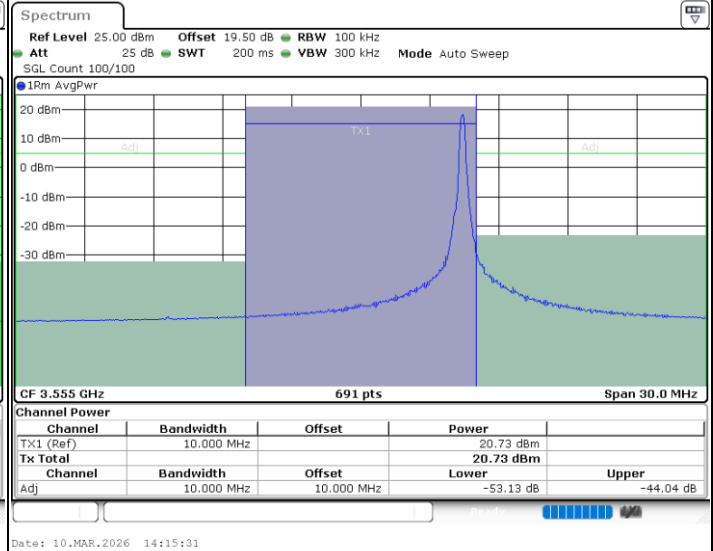
LTE Band 48 / 10MHz

QPSK

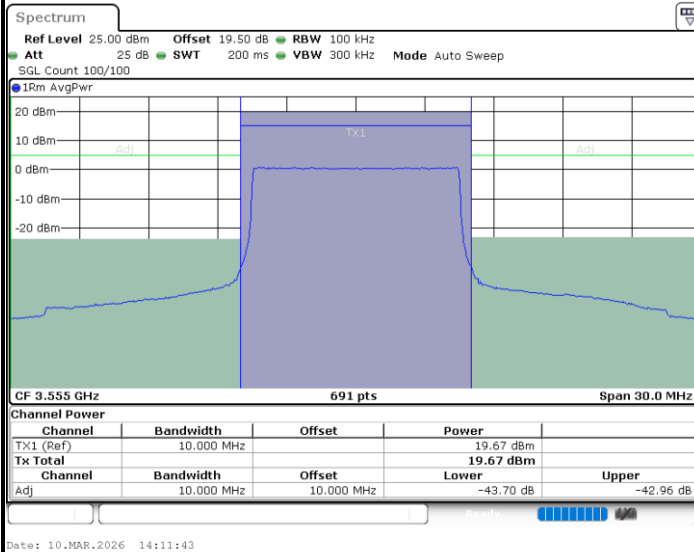
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



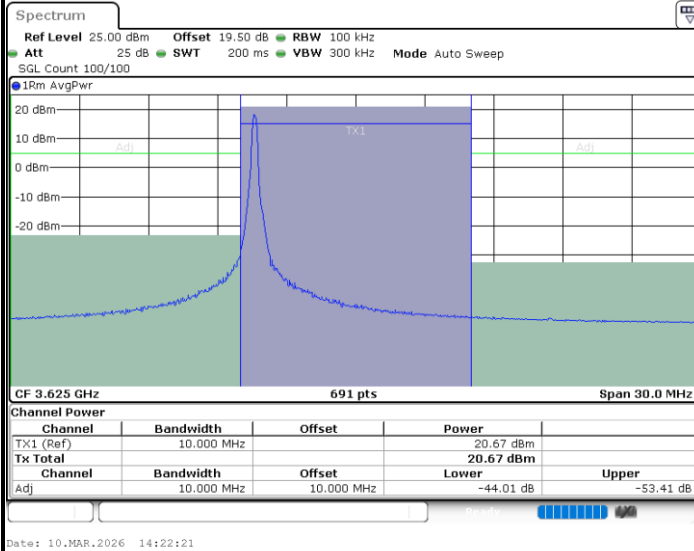
N/A



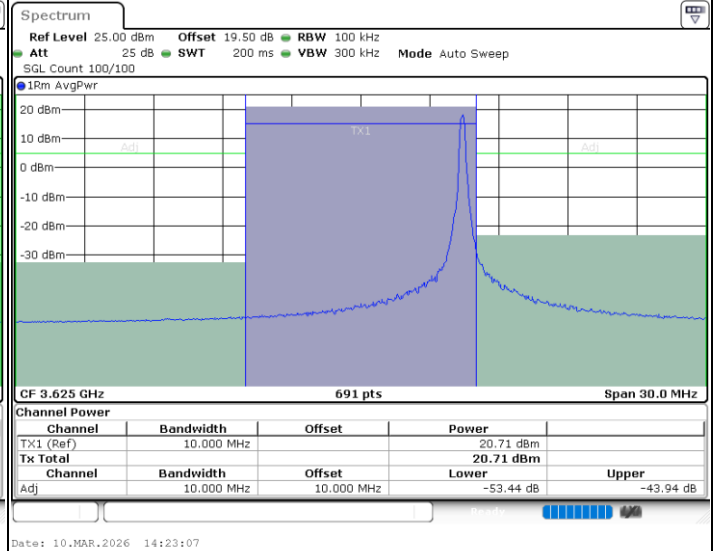
LTE Band 48 / 10MHz

QPSK

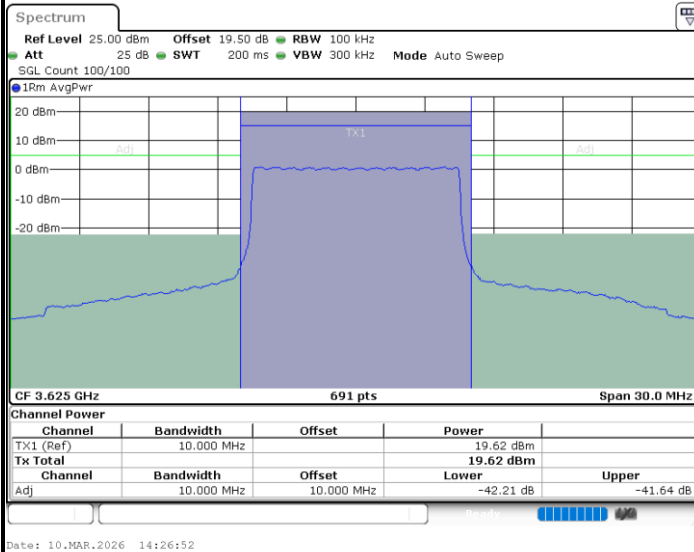
Middle Channel / 1RB0



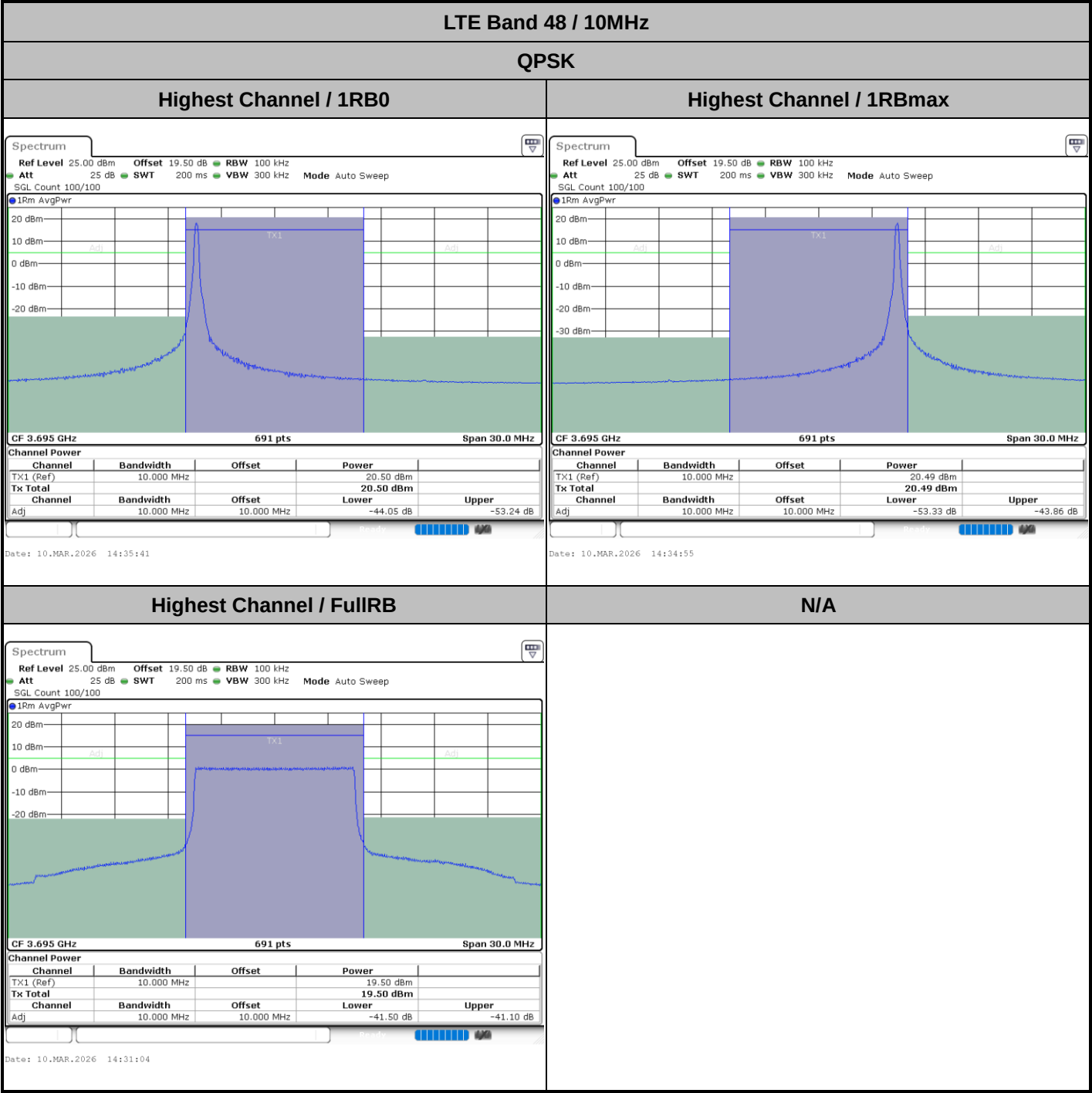
Middle Channel / 1RBmax



Middle Channel / FullRB



N/A

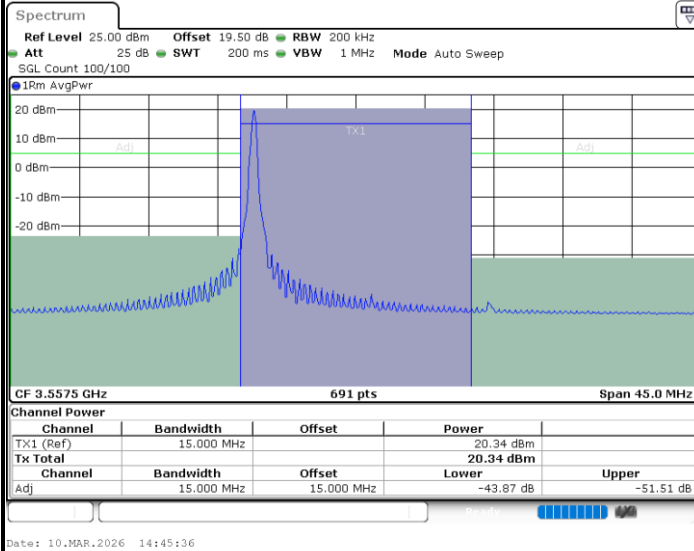




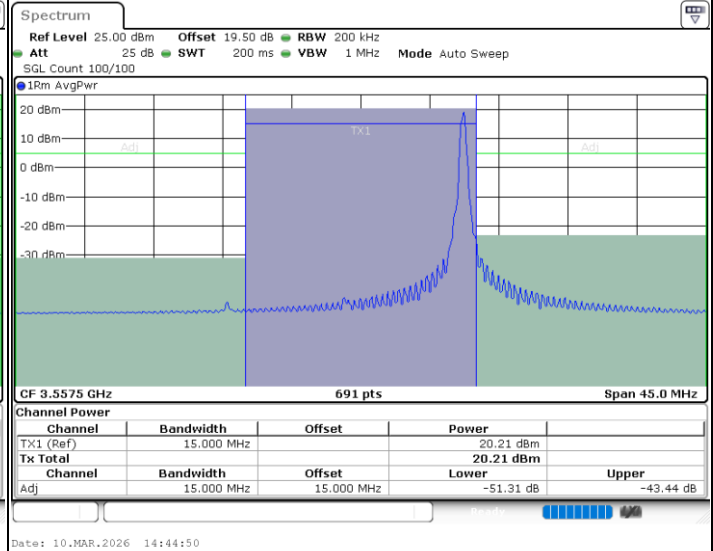
LTE Band 48 / 15MHz

QPSK

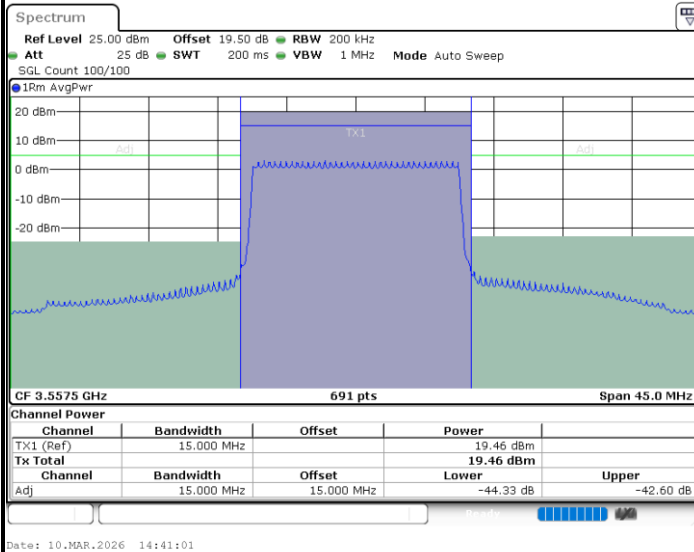
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



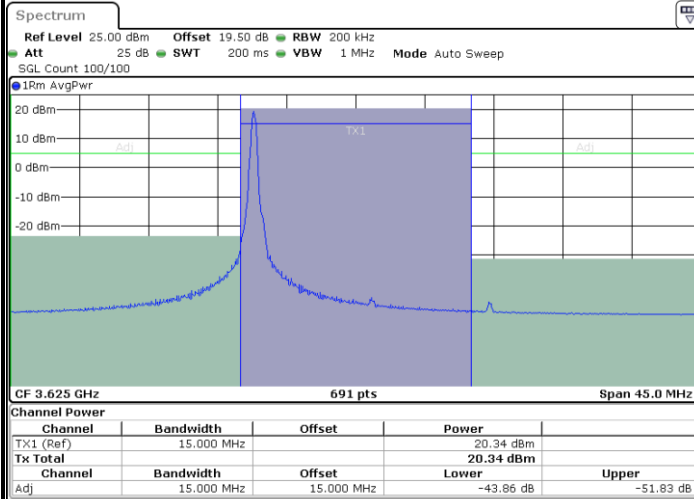
N/A



LTE Band 48 / 15MHz

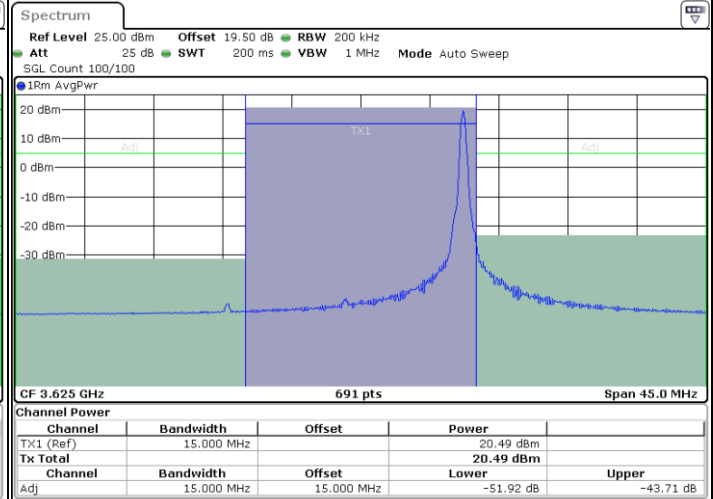
QPSK

Middle Channel / 1RB0



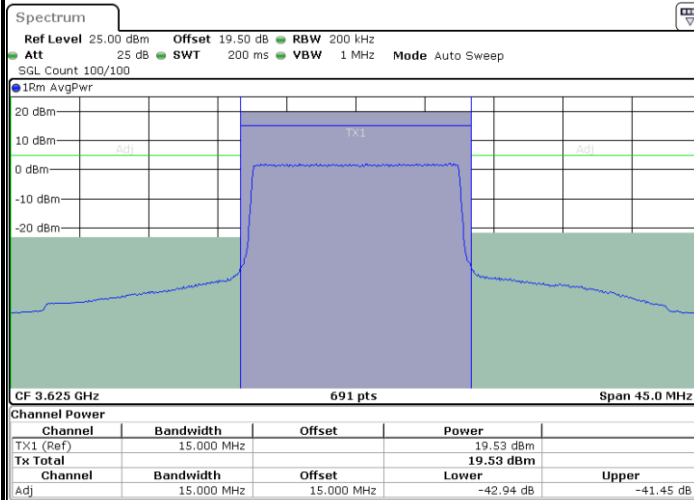
Date: 10.MAR.2026 14:51:42

Middle Channel / 1RBmax



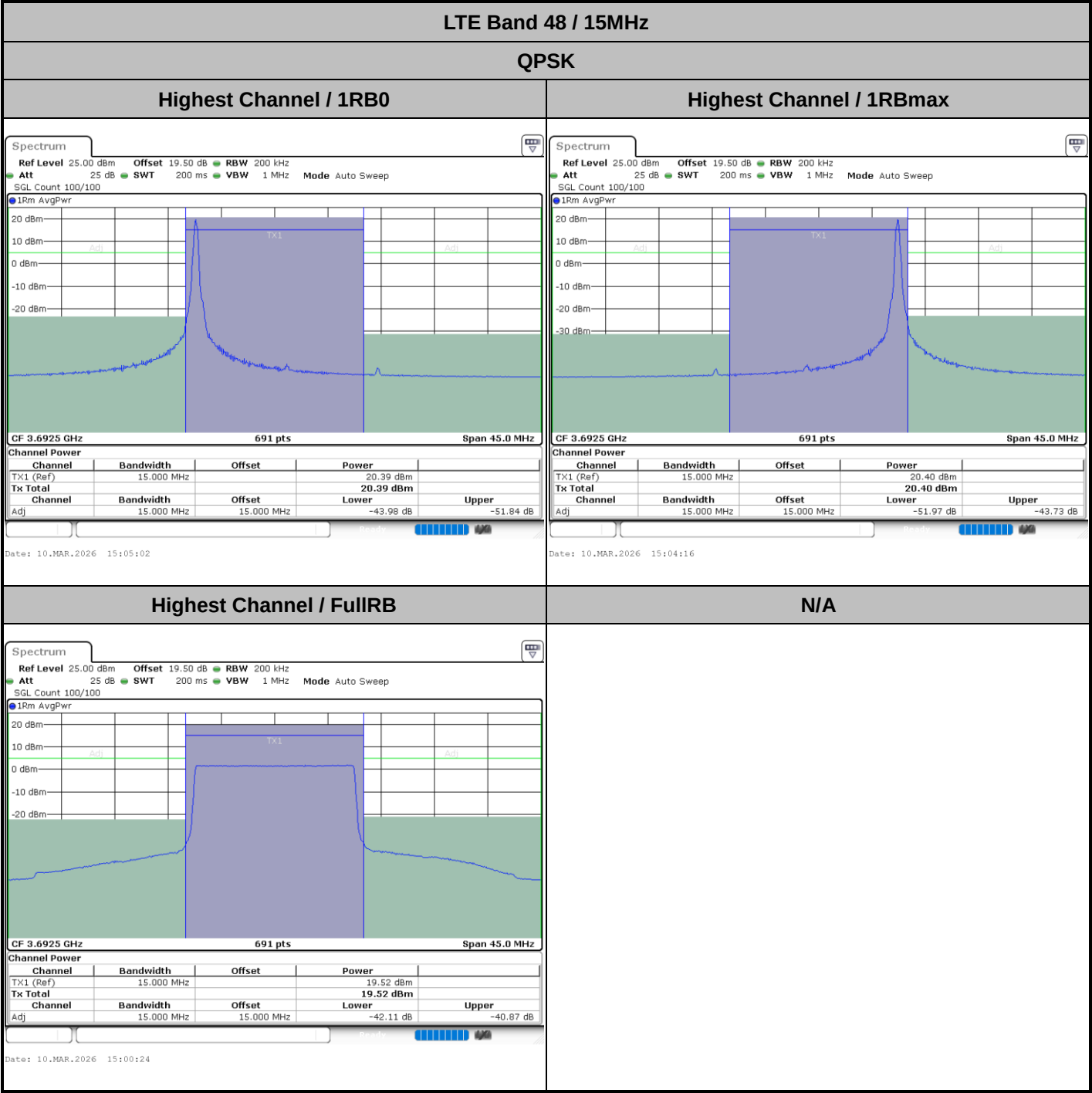
Date: 10.MAR.2026 14:52:27

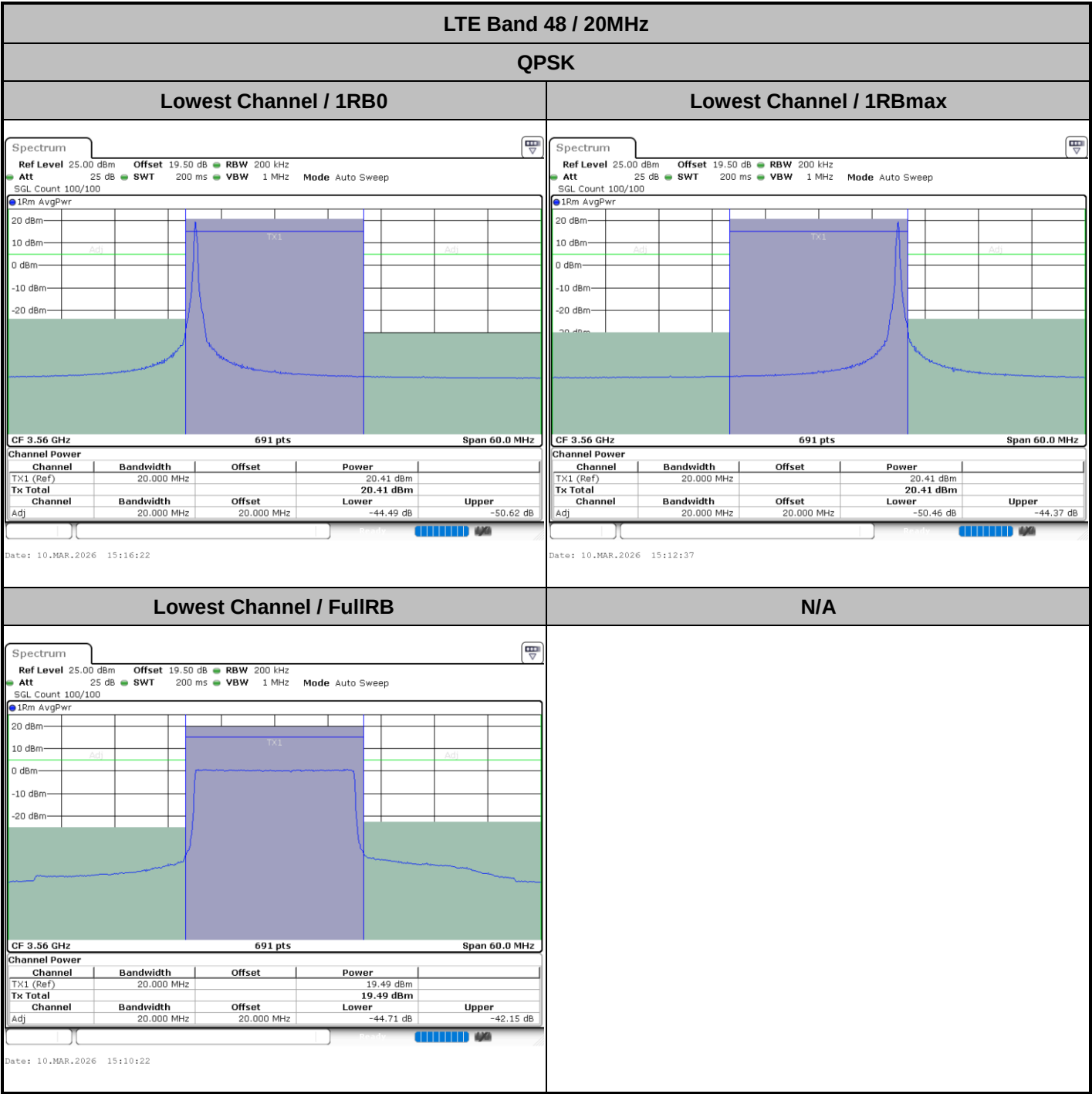
Middle Channel / FullRB



Date: 10.MAR.2026 14:56:12

N/A



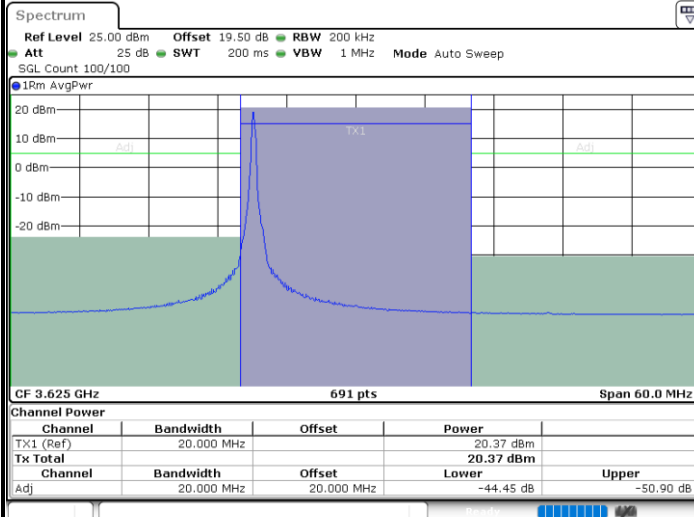




LTE Band 48 / 20MHz

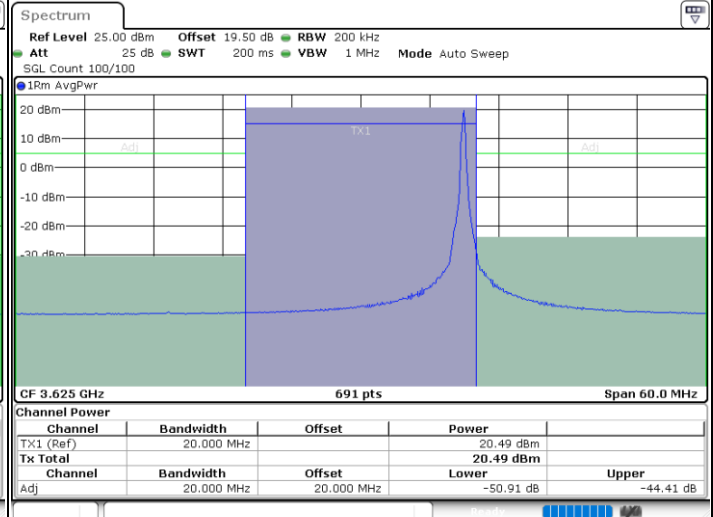
QPSK

Middle Channel / 1RB0



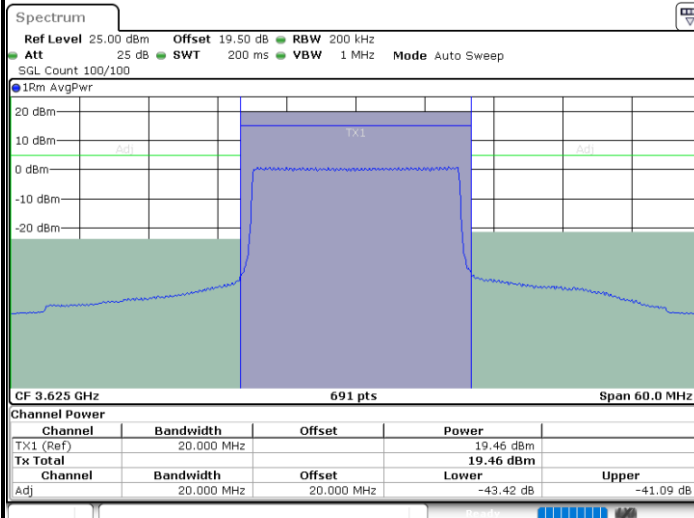
Date: 10.MAR.2026 15:19:13

Middle Channel / 1RBmax



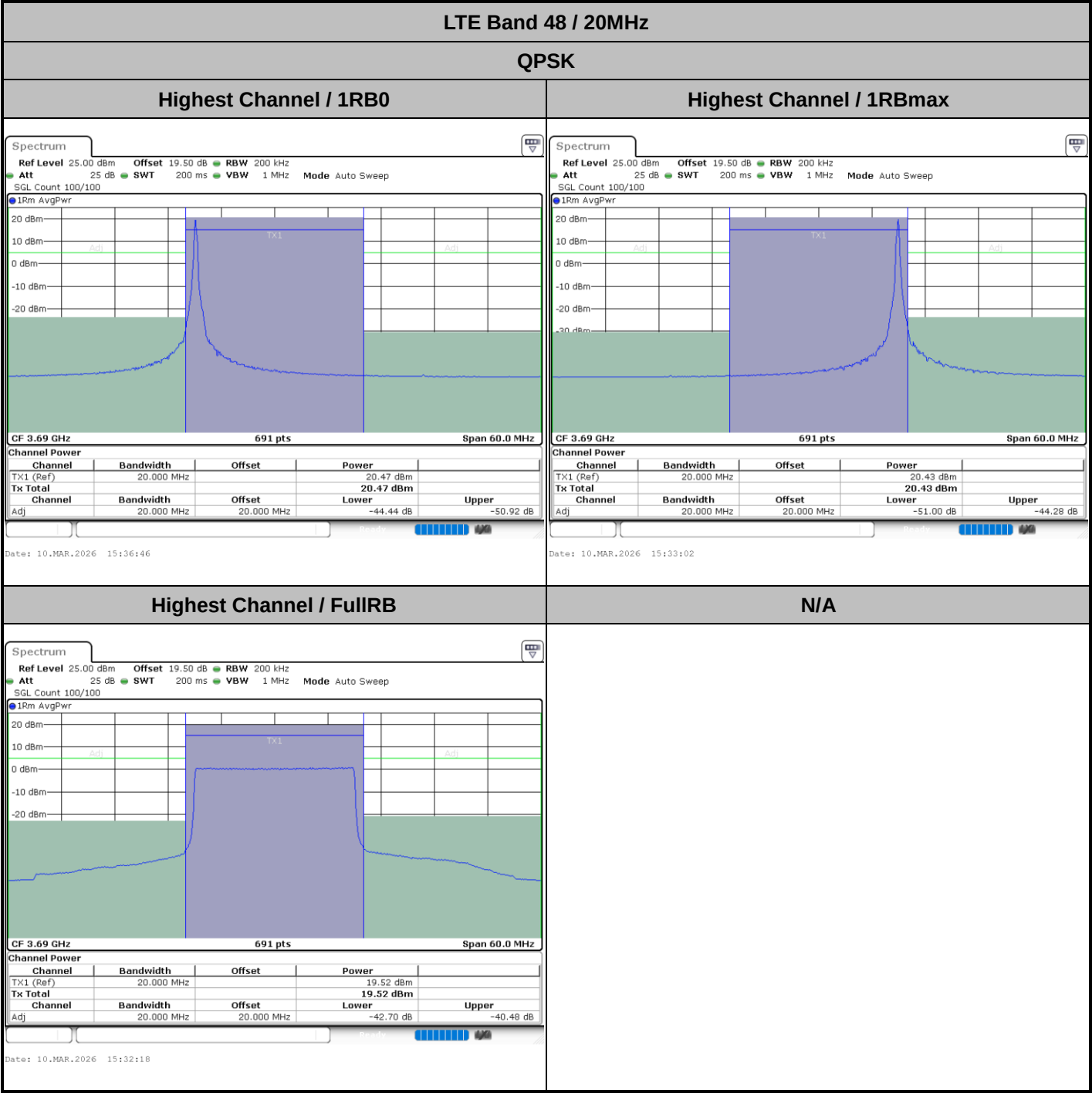
Date: 10.MAR.2026 15:22:54

Middle Channel / FullRB



Date: 10.MAR.2026 15:23:38

N/A

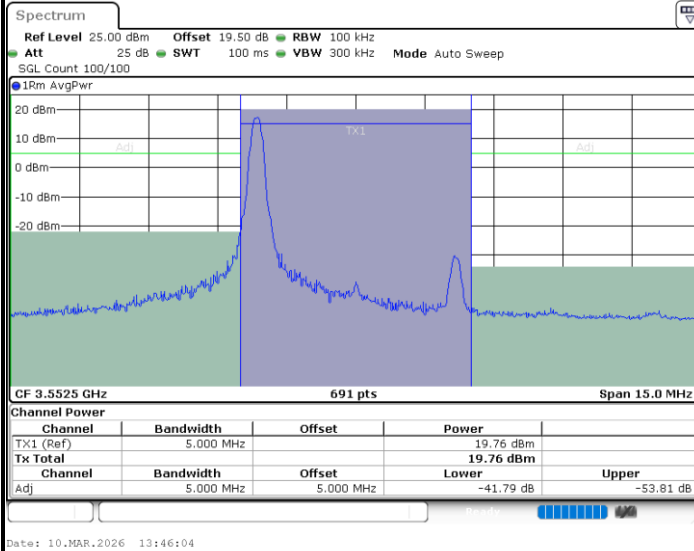




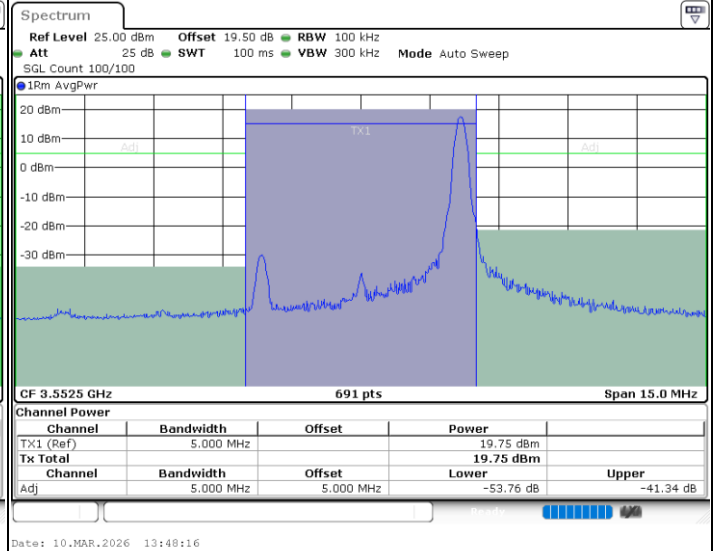
LTE Band 48 / 5MHz

16QAM

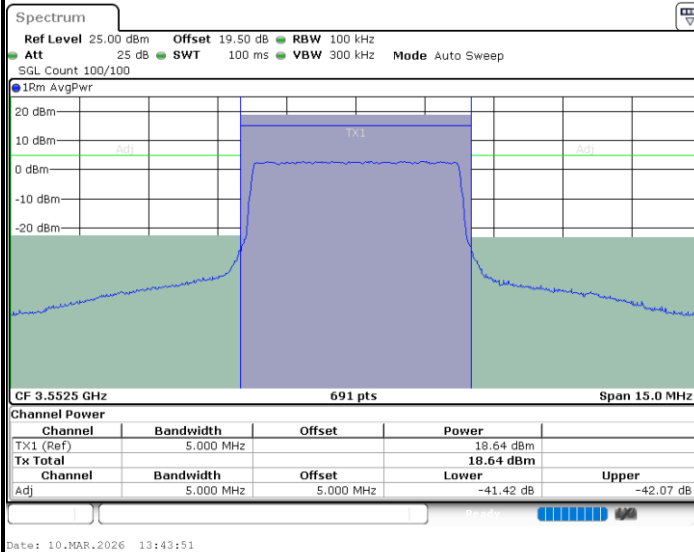
Lowest Channel / 1RB0



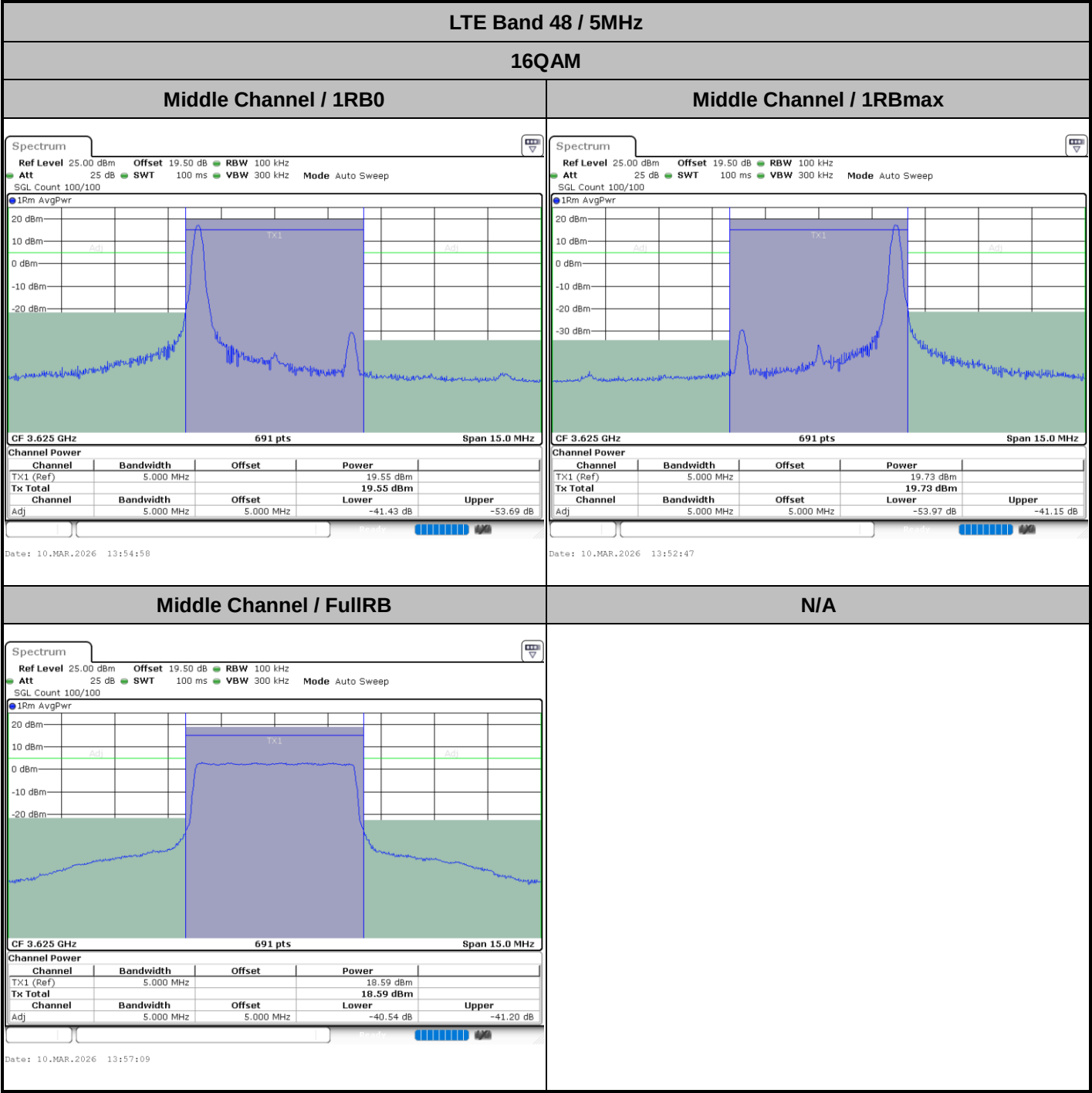
Lowest Channel / 1RBmax

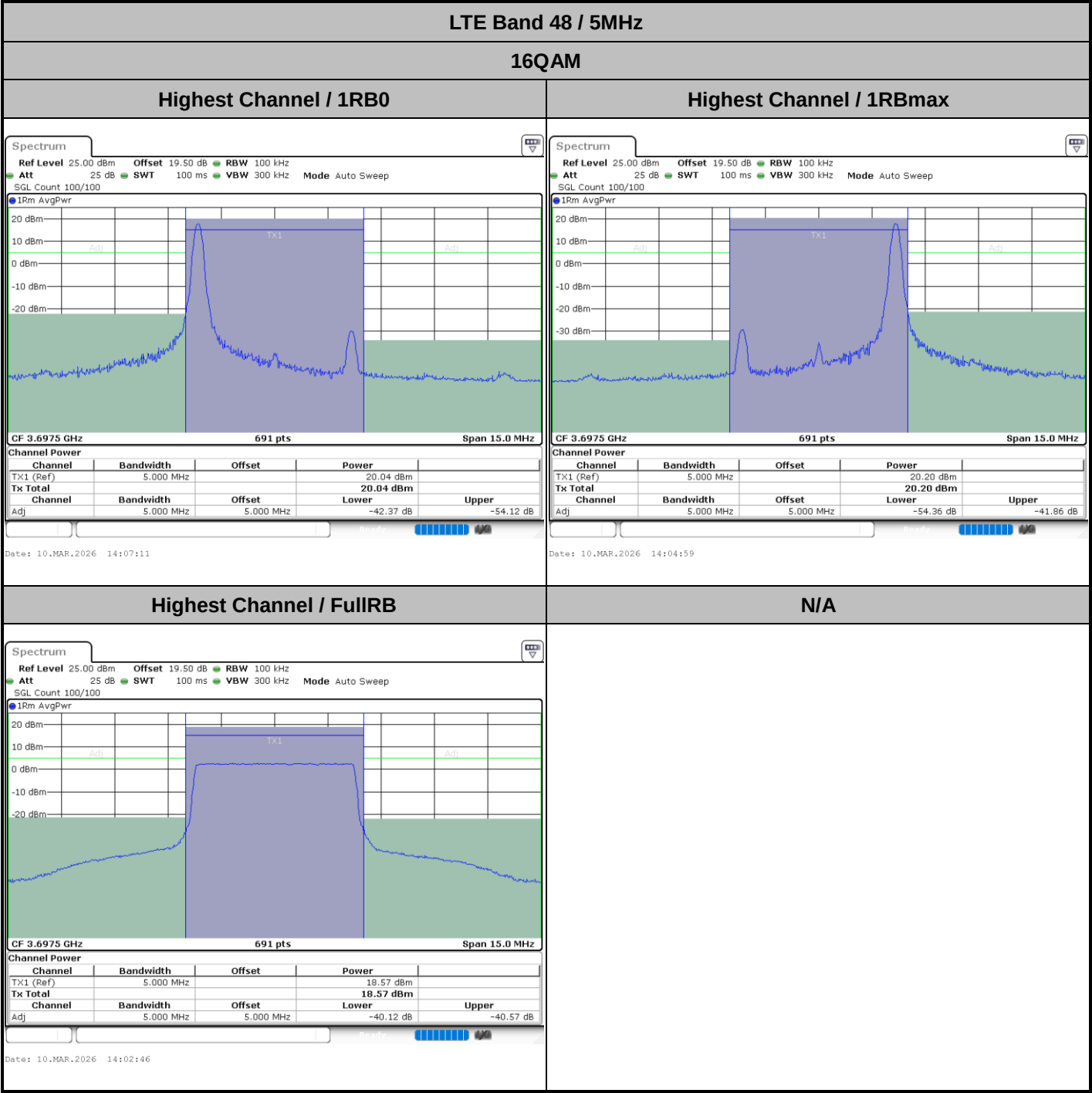


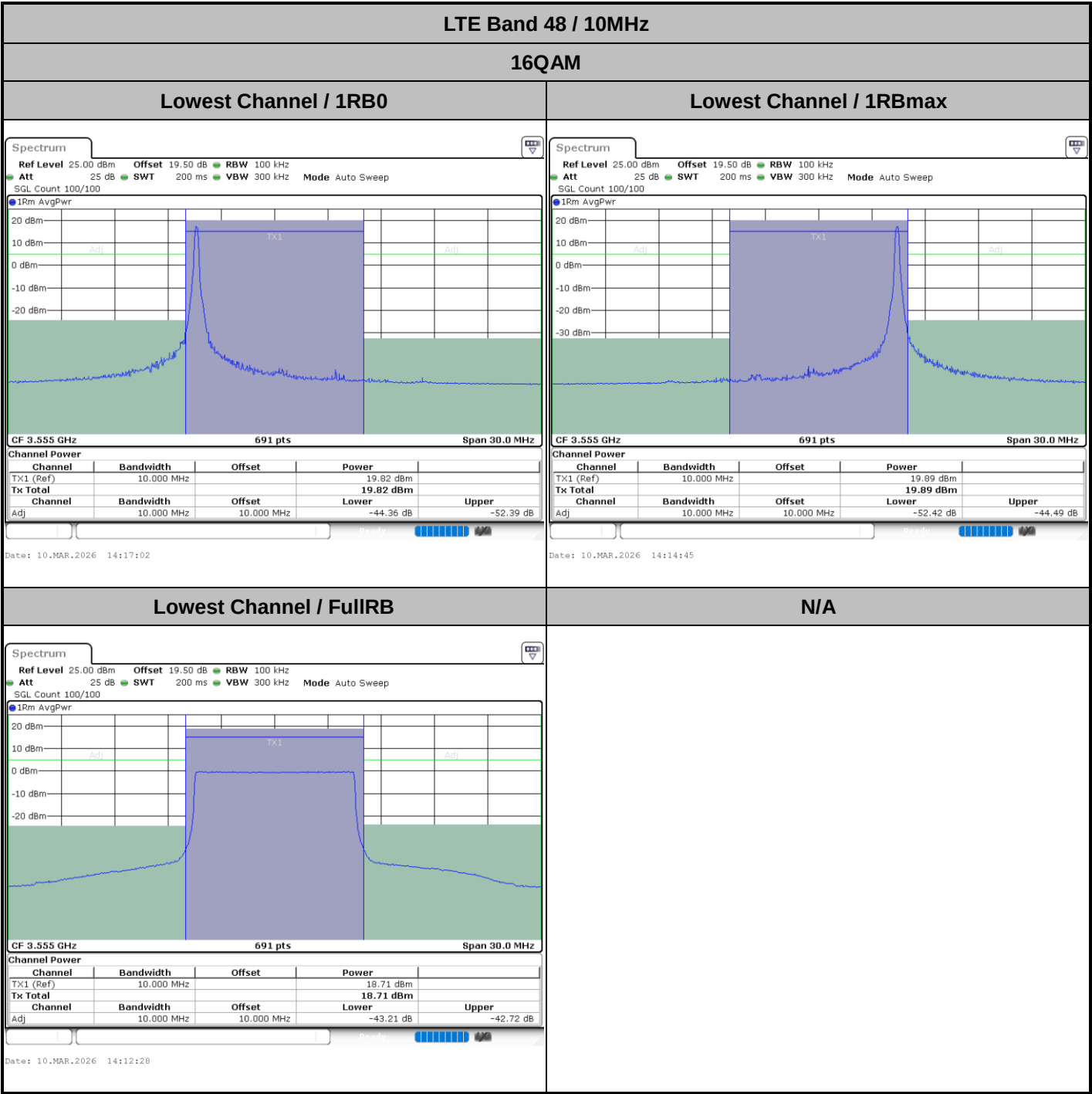
Lowest Channel / FullIRB



N/A





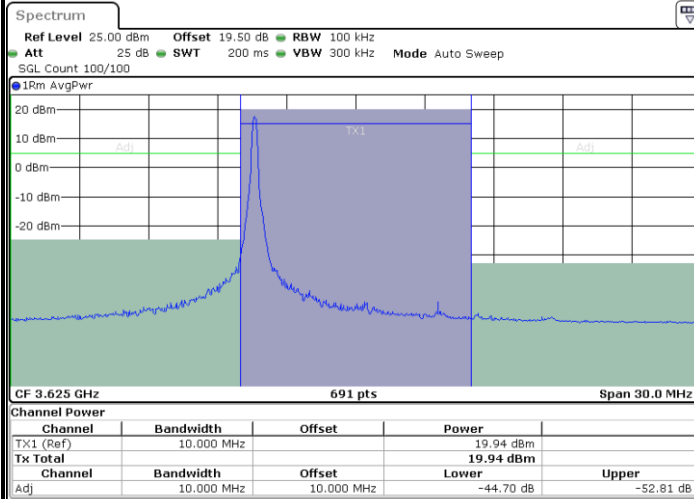




LTE Band 48 / 10MHz

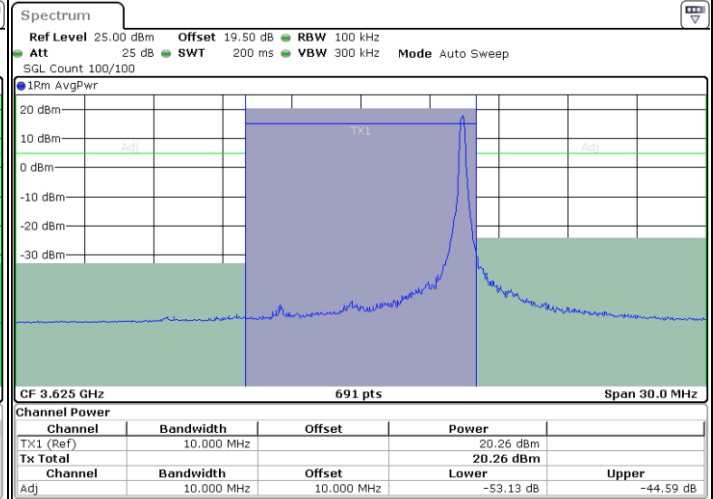
16QAM

Middle Channel / 1RB0



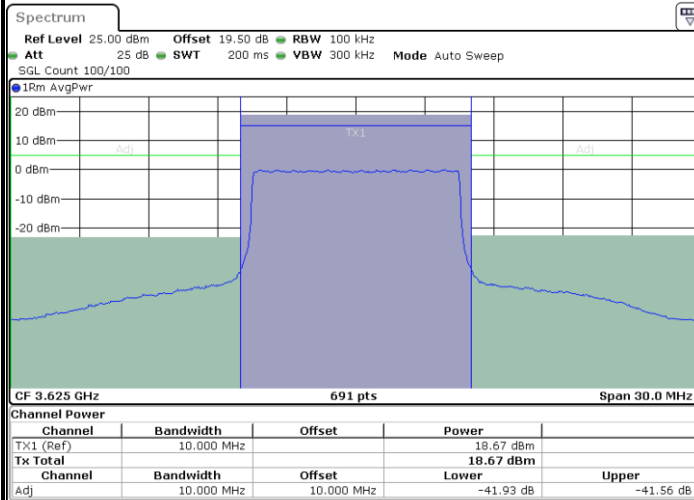
Date: 10.MAR.2026 14:21:36

Middle Channel / 1RBmax



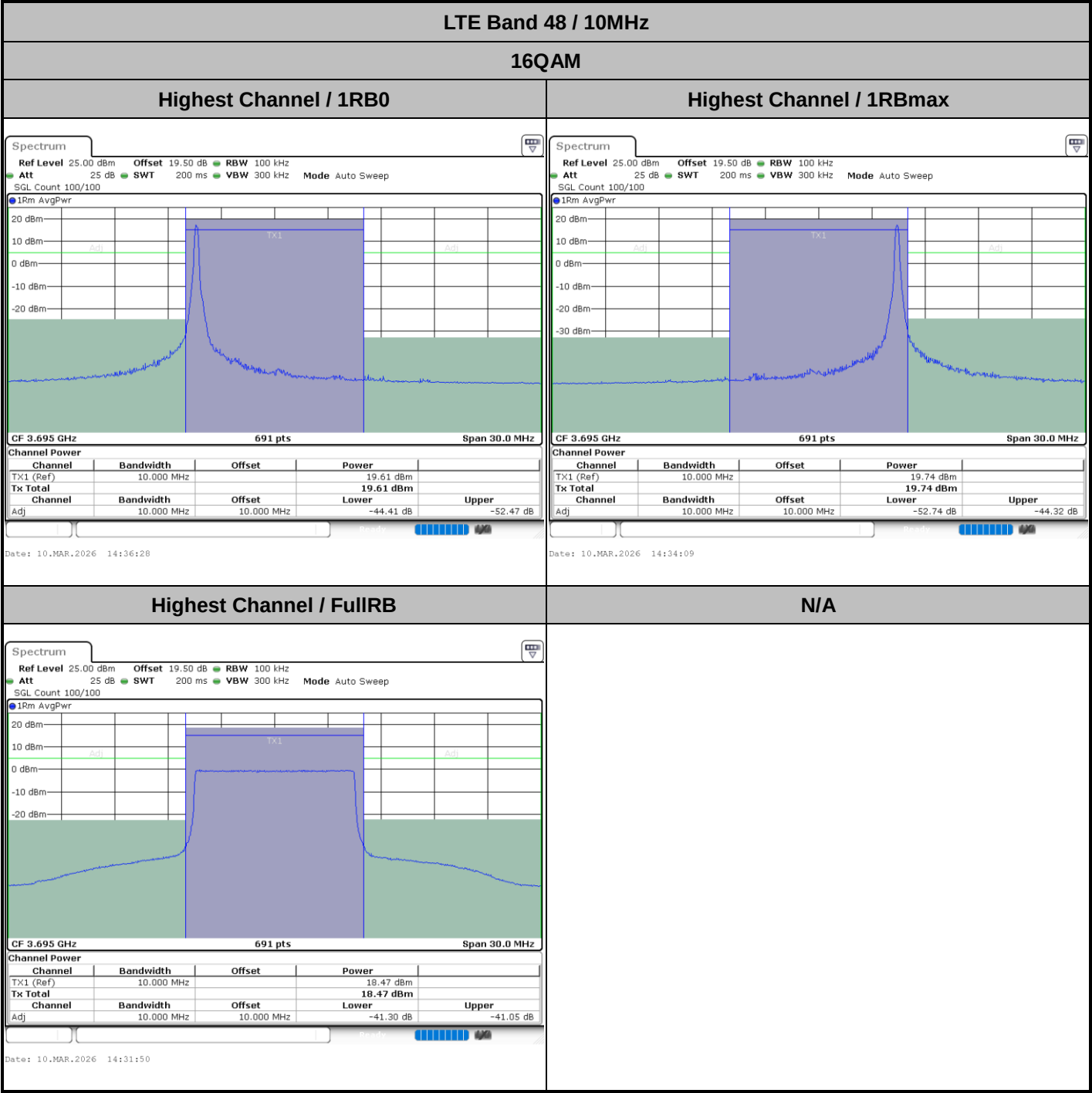
Date: 10.MAR.2026 14:23:52

Middle Channel / FullRB



Date: 10.MAR.2026 14:26:07

N/A

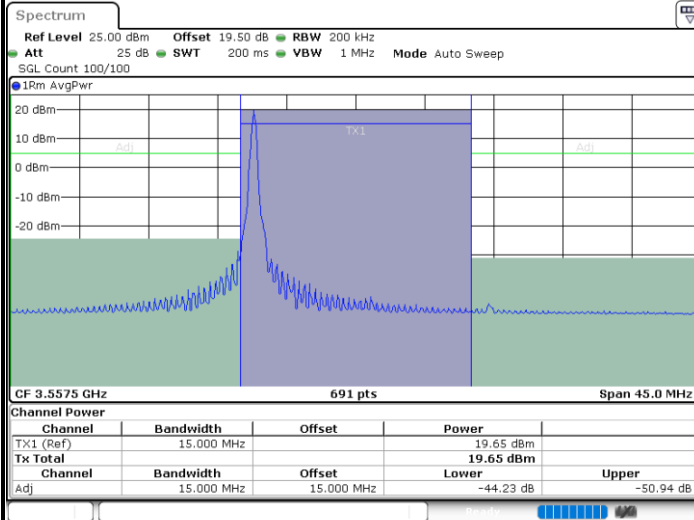




LTE Band 48 / 15MHz

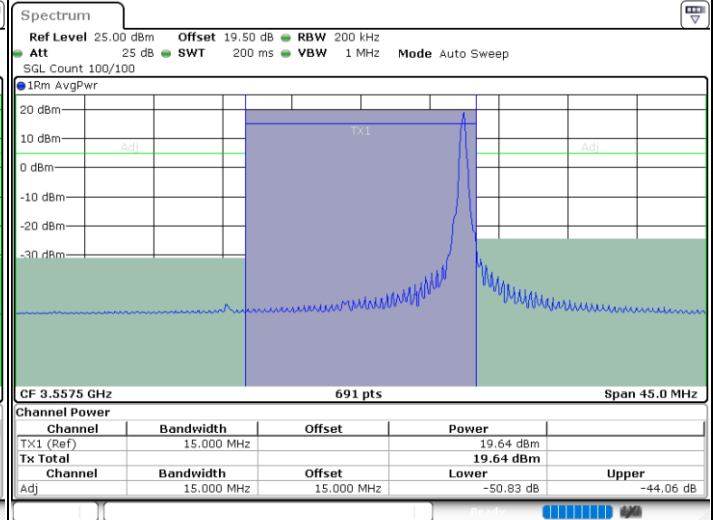
16QAM

Lowest Channel / 1RB0



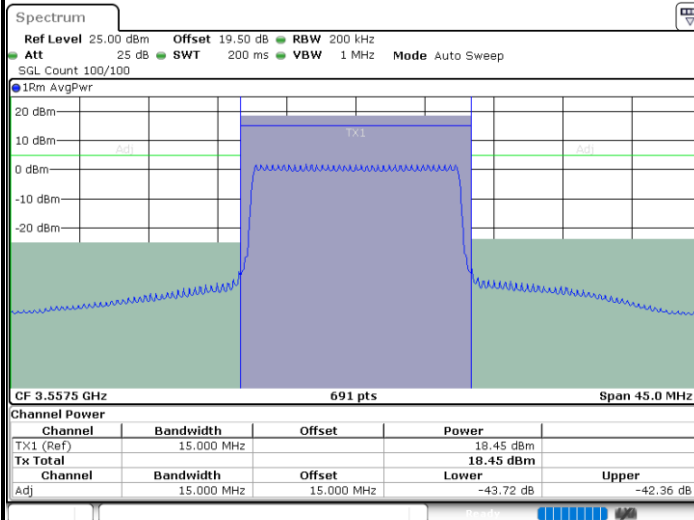
Date: 10.MAR.2026 14:46:22

Lowest Channel / 1RBmax



Date: 10.MAR.2026 14:44:05

Lowest Channel / FullIRB



Date: 10.MAR.2026 14:41:47

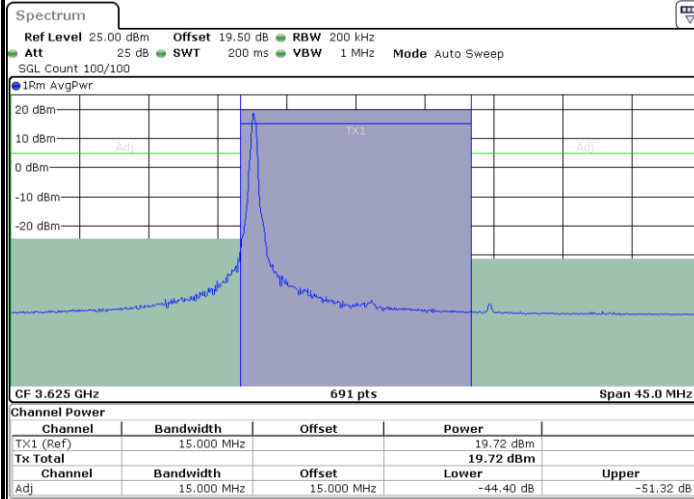
N/A



LTE Band 48 / 15MHz

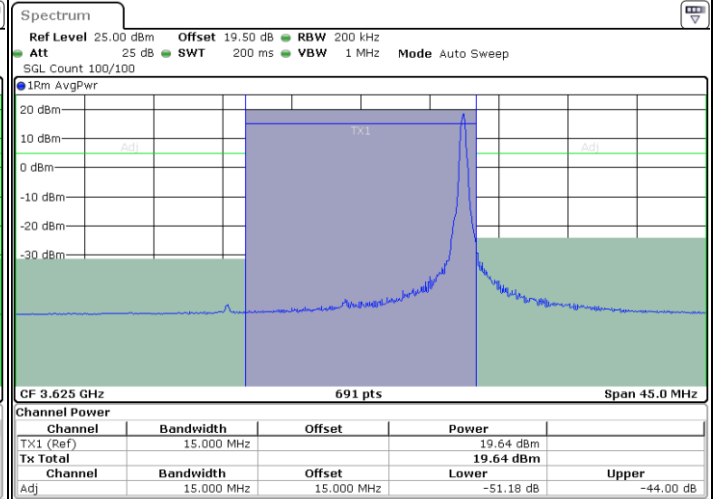
16QAM

Middle Channel / 1RB0



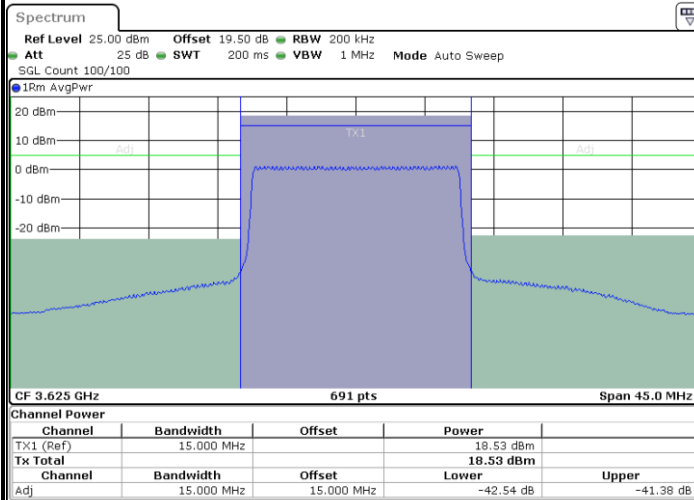
Date: 10.MAR.2026 14:50:57

Middle Channel / 1RBmax



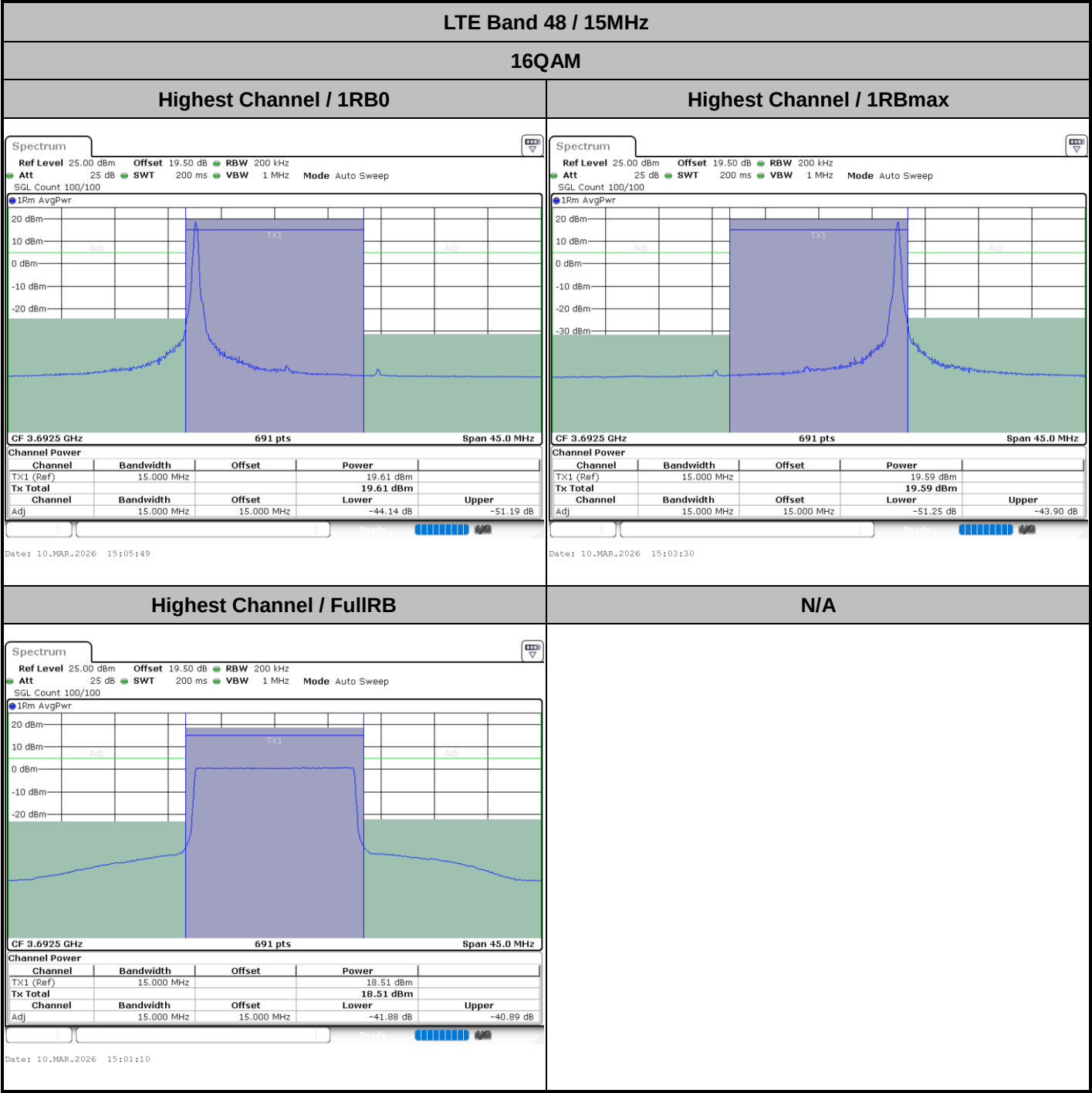
Date: 10.MAR.2026 14:53:12

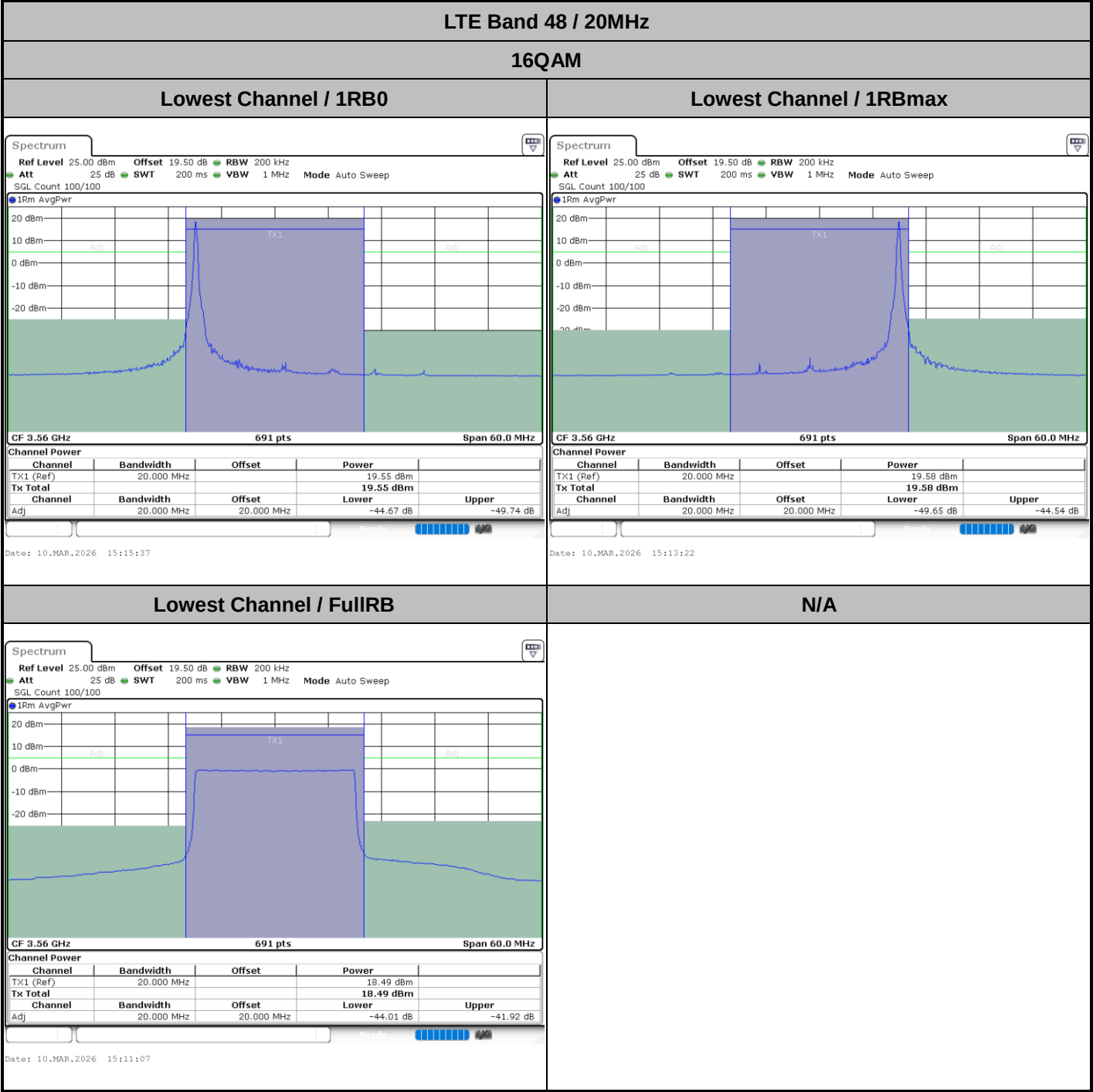
Middle Channel / FullRB

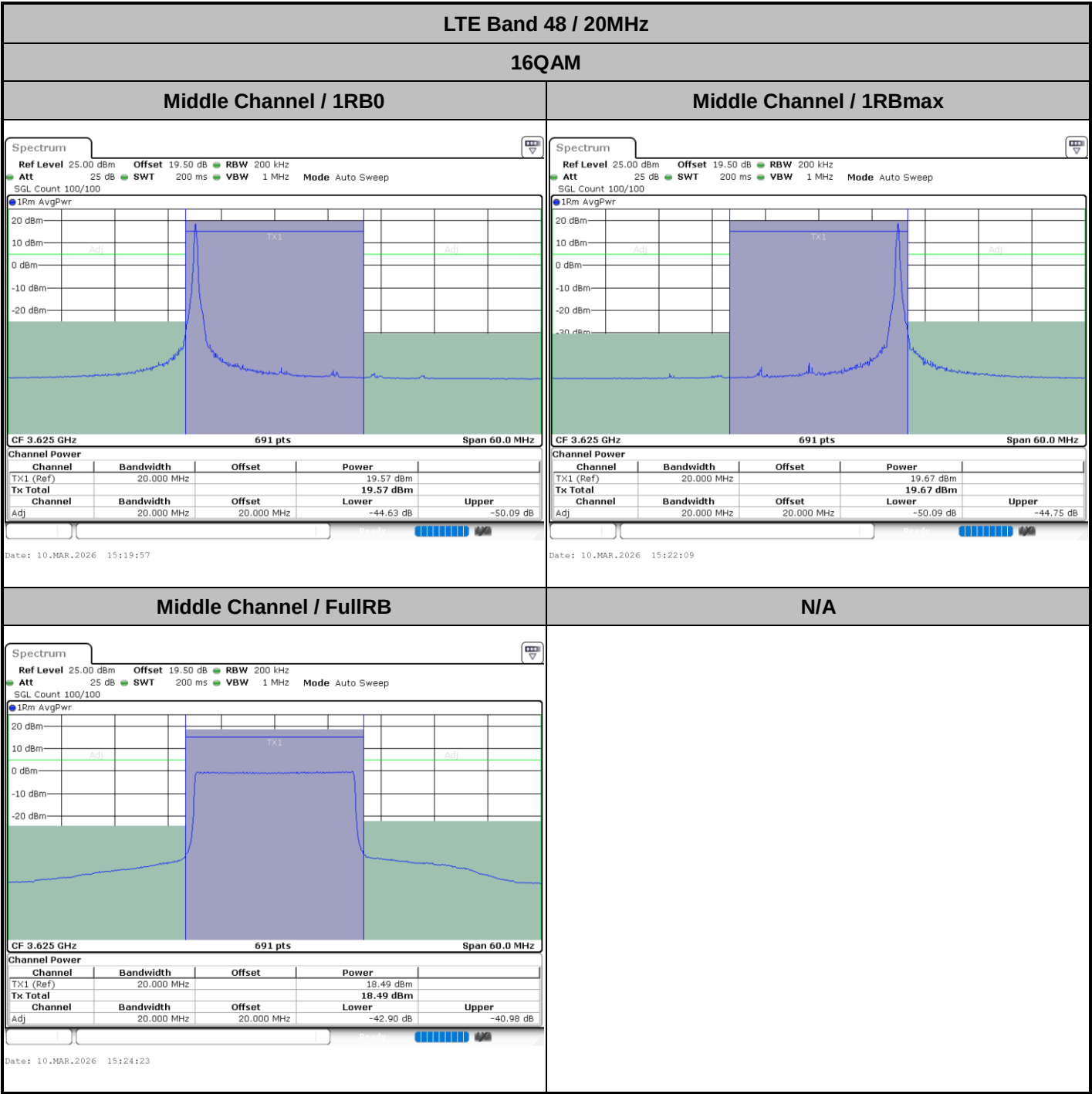


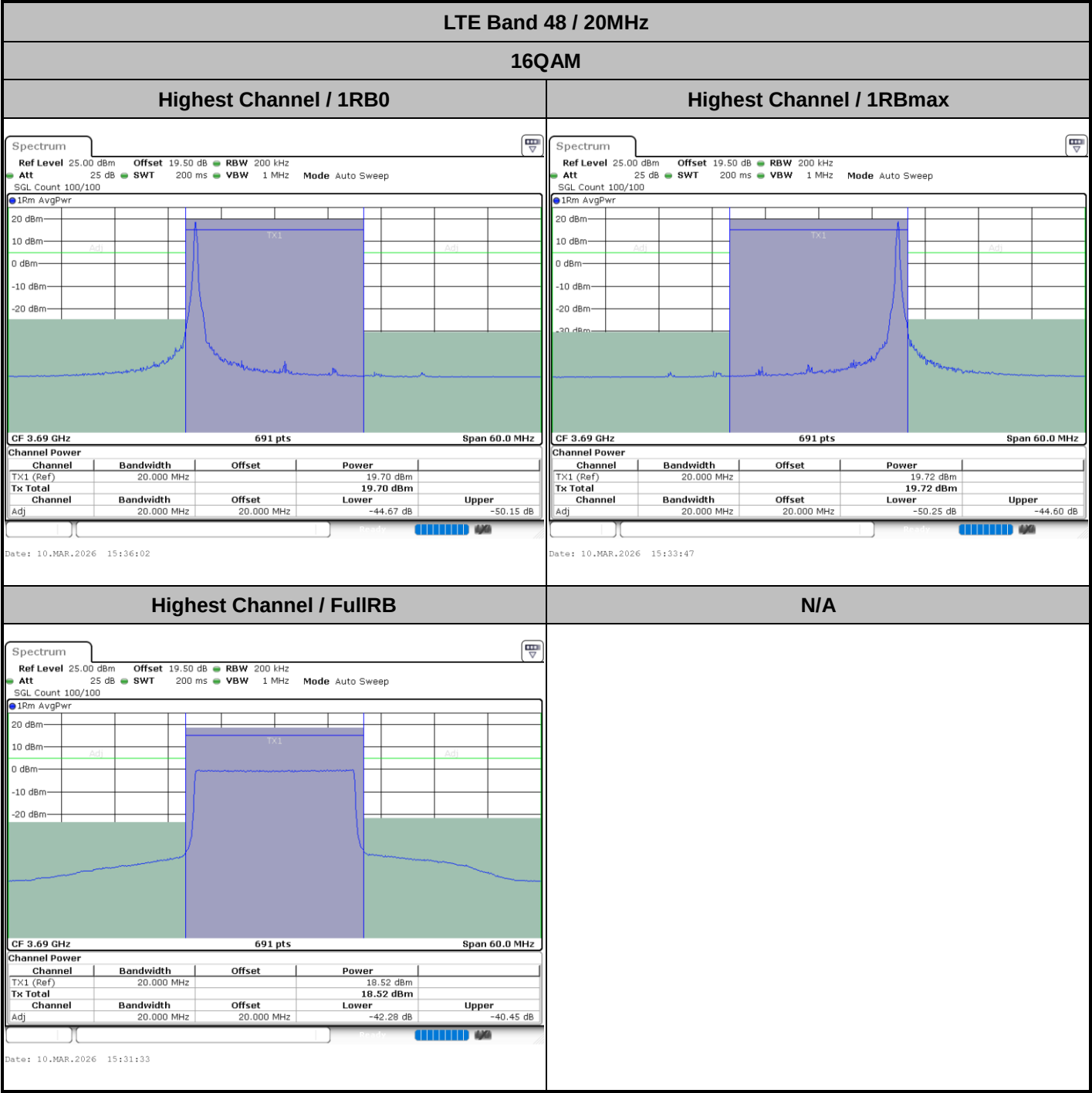
Date: 10.MAR.2026 14:55:27

N/A







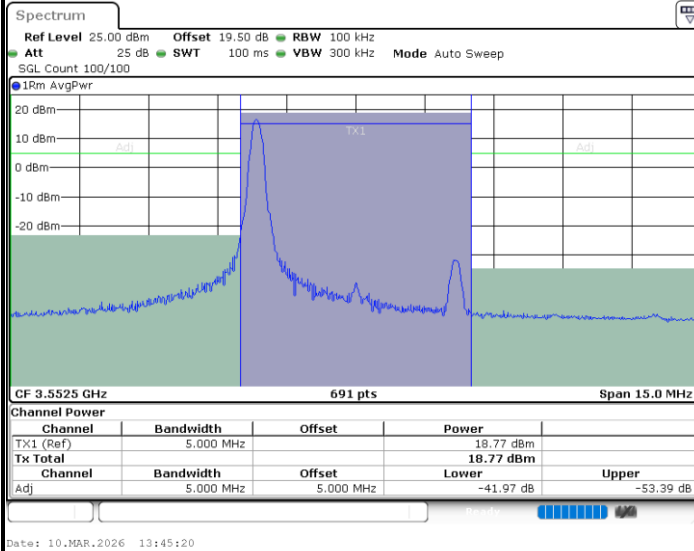




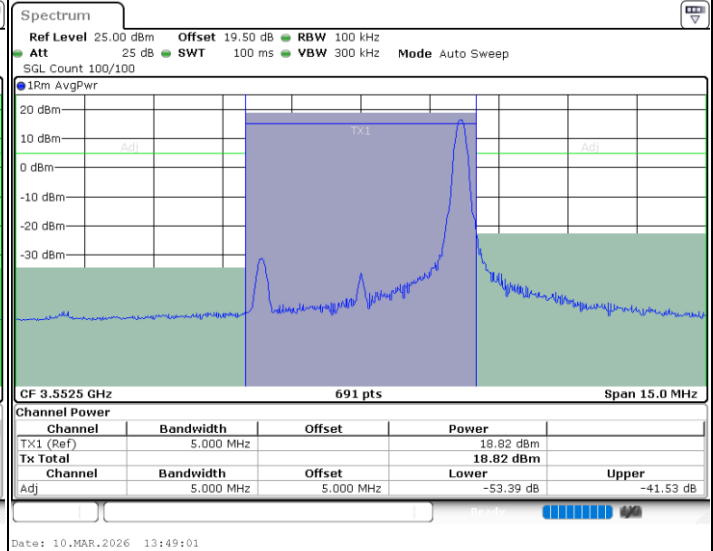
LTE Band 48 / 5MHz

64QAM

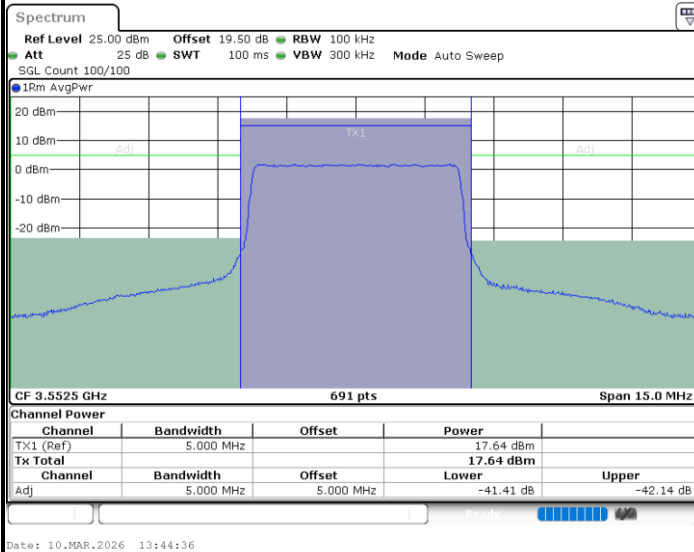
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



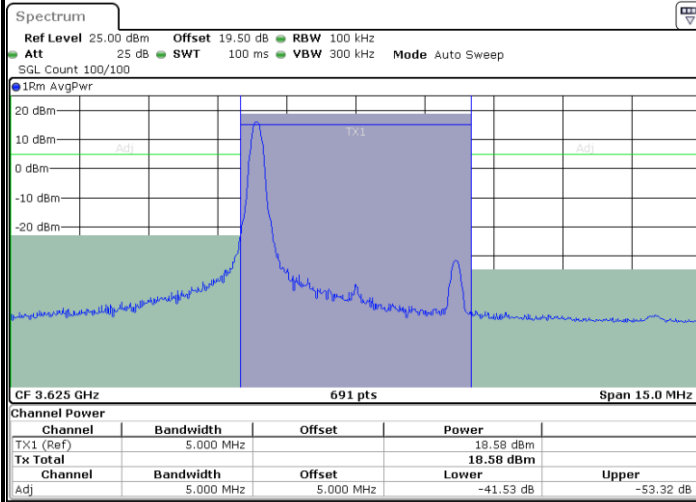
N/A



LTE Band 48 / 5MHz

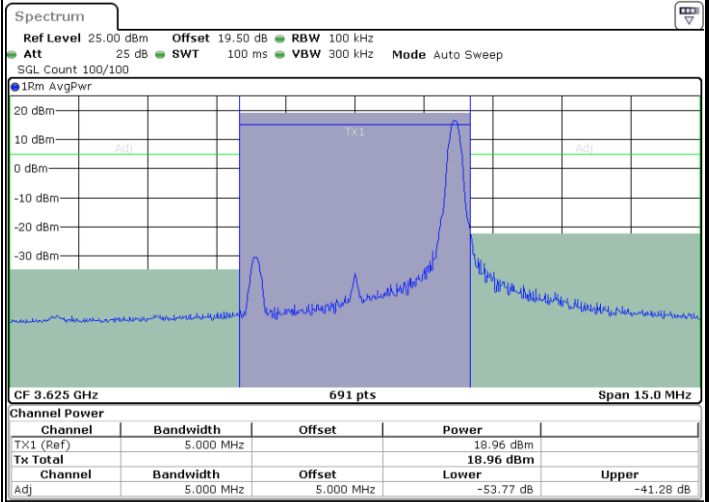
64QAM

Middle Channel / 1RB0



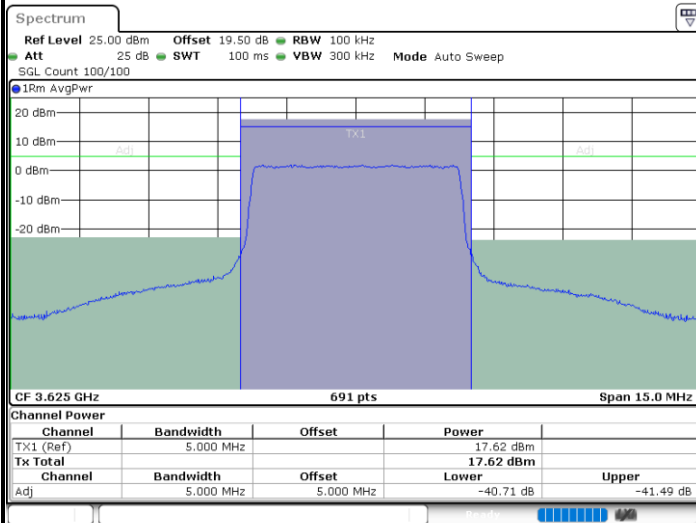
Date: 10.MAR.2026 13:55:41

Middle Channel / 1RBmax



Date: 10.MAR.2026 13:52:03

Middle Channel / FullRB



Date: 10.MAR.2026 13:56:25

N/A