



FCC RADIO TEST REPORT

FCC ID : GKRRMMG4
Equipment : 5G Module
Brand Name : COMPAL
Model Name : RMM-G4
Marketing Name : RMM-G4
Applicant : Compal Electronics, Inc.
No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei city, (114) Taiwan
Manufacturer : COMPAL ELECTRONICS, INC.
No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei city, (114) Taiwan
Standard : FCC 47 CFR Part 2, 96

The product was received on Oct. 17, 2025 and testing was performed from Oct. 17, 2025 to Jan. 06, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG591004-02G	01	Initial issue of report	Jan. 16, 2026
FG591004-02G	02	Revise Applicable Standards, List of Measuring Equipment and Appendix A This report is an updated version, replacing the report issued on Jan. 16, 2026.	Jan. 21, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
3.3	§96.41	Peak-to-Average Ratio	Pass	-
3.4	§96.41	Effective Isotropic Radiated Power	Pass	-
3.5	§2.1049 §96.41	Occupied Bandwidth	Pass	-
3.6	§2.1051 §96.41	Conducted Band Edge Measurement	Pass	-
3.7	§2.1051 §96.41	Conducted Spurious Emission	Pass	-
3.8	§2.1055	Frequency Stability for Temperature & Voltage	Pass	-
4.2	§2.1053 §96.41	Radiated Spurious Emission	Pass	-

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.

Reviewed by: Keven Cheng

Report Producer: Vina Su



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE/5G NR and GNSS	
Antenna Type WWAN: PIFA Antenna and Monopole Antenna	

Support band and evaluated information	
Supported band	n48,n48B,n48C
Evaluated and Tested band	n48,n48B,n48C

TDD band Power Class				
	SISO PC3			
n48,n48B,n48C	V			

RF Exposure Max Antenna Gain information(dBi)						
Band	Ant 0				Main Ant. #	
n48	1				0	

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

Antenna information			
	Band	Model Name	Antenna Type
n48	48	PIFA_Ant3	PIFA

Remark: For Radiated spurious emissions, tests were performed using high-gain antennas in Monopole and PIFA antennas. The above EUT's information was declared by manufacturer.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Ekko You
Temperature (°C)	20.6 ~ 24.9
Relative Humidity (%)	51.2 ~ 58.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH20-HY (TAF Code: 3786)
Test Engineer	John Chuang, David Dai, and Sam Chou
Temperature (°C)	19.1 ~ 22.6
Relative Humidity (%)	64.1 ~ 70.6
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03 r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

5G NR N48 SISO Mode

Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK
B	DFT-s-OFDM QPSK
C	DFT-s-OFDM 16QAM
D	DFT-s-OFDM 64QAM
E	DFT-s-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E	20 MHz	Full	M
Bandwidth	A, B, C	All	Full	M
ACLR, Mask	A, B	All	1RB Full	L, M, H
CSE	B	All	1RB	L, M, H
Frequency Stability	A	20 MHz	Full	M
RSE	A	40 MHz	1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. 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.
3. One representative bandwidth is selected to perform PAR and frequency stability.
4. For 5G NR N48 SISO Mode Modulation support CP-OFDM & DFT-s-OFDM, Therefore, the report only performed Higher Conducted power (DFT-s-OFDM) test results.

5G NR N48B/N48C Mode

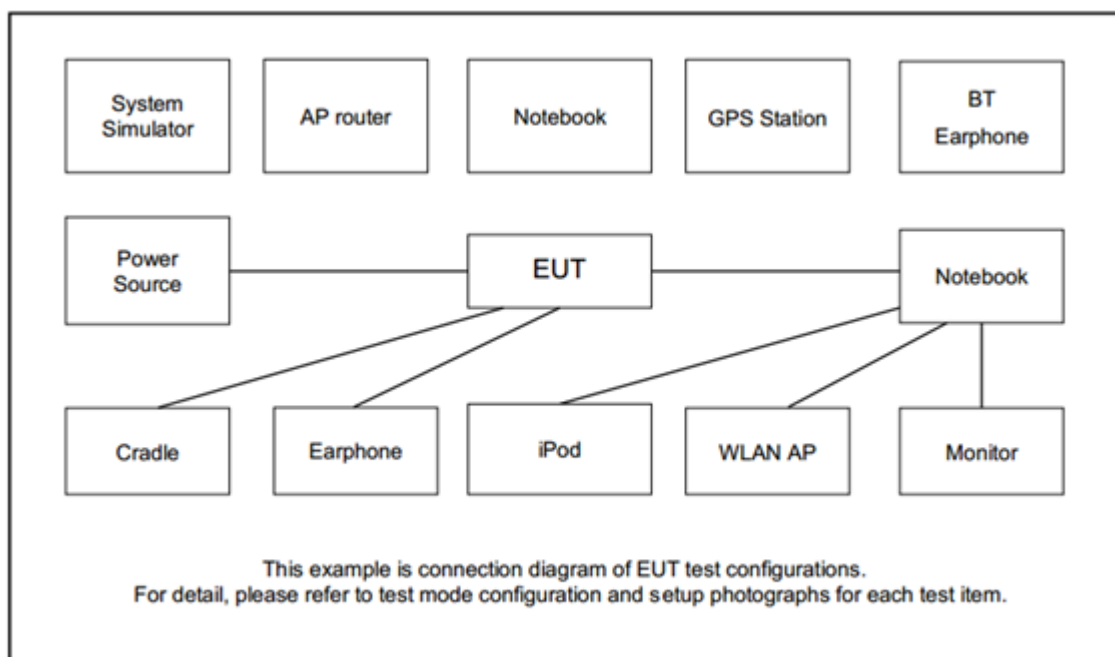
Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK
B	DFT-s-OFDM QPSK
C	DFT-s-OFDM 16QAM
D	DFT-s-OFDM 64QAM
E	DFT-s-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
Bandwidth	A, B, C	All	Full	M
ACLR, Mask	A, B	L/M/H combination	1RB Full	L, M, H
CSE	A	10+15MHz	1RB	L, M, H
RSE	A	40 MHz	1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. 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 and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	8821C	N/A	N/A	N/A
2.	Base Station	Anritsu	8000A	N/A	N/A	N/A

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 4.2 dB and 10dB attenuator.

Example :

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

$$= 4.2 + 10 = 14.2 \text{ (dB)}$$



2.5 Frequency List of Low/Middle/High Channels

5G NR Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	640000	641666	643332
	Frequency	3600	3624.99	3649.98
90	Channel	639668	641666	643666
	Frequency	3595.02	3624.99	3654.99
80	Channel	639334	641666	644000
	Frequency	3590.01	3624.99	3660
70	Channel	639000	641666	644332
	Frequency	3585	3624.99	3664.98
60	Channel	638668	641666	644666
	Frequency	3580.02	3624.99	3669.99
50	Channel	638334	641666	645000
	Frequency	3575.01	3624.99	3675
40	Channel	638000	641666	645332
	Frequency	3570	3624.99	3679.98
30	Channel	637668	641666	645666
	Frequency	3565.02	3624.99	3684.99
20	Channel	637334	641666	646000
	Frequency	3560.01	3624.99	3690
15	Channel	637168	641666	646166
	Frequency	3557.52	3624.99	3692.49
10	Channel	637000	641666	646332
	Frequency	3555	3624.99	3694.98



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10+15	PCC	Channel	637000	641166	645334
		Frequency	3555	3617.49	3680.01
	SCC	Channel	637832	641998	646166
		Frequency	3567.48	3629.97	3692.49
10+20	PCC	Channel	637000	641000	645024
		Frequency	3555	3615	3675.36
	SCC	Channel	637976	641976	646000
		Frequency	3569.64	3629.64	3690
10+30	PCC	Channel	637000	640666	644354
		Frequency	3555	3609.99	3665.31
	SCC	Channel	638312	641978	645666
		Frequency	3574.68	3629.67	3684.99
10+40	PCC	Channel	637000	640334	643708
		Frequency	3555	3605.01	3655.62
	SCC	Channel	638624	641958	645332
		Frequency	3579.36	3629.37	3679.98
10+50	PCC	Channel	637000	640000	643040
		Frequency	3555	3600	3645.6
	SCC	Channel	638960	641960	645000
		Frequency	3584.4	3629.4	3675
15+10	PCC	Channel	637168	641334	645500
		Frequency	3557.52	3620.01	3682.5
	SCC	Channel	638000	642166	646332
		Frequency	3570	3632.49	3694.98
15+15	PCC	Channel	637168	641166	645166
		Frequency	3557.52	3617.49	3677.49
	SCC	Channel	638168	642166	646166
		Frequency	3572.52	3632.49	3692.49
15+20	PCC	Channel	637168	641000	644856
		Frequency	3557.52	3615	3672.84
	SCC	Channel	638312	642144	646000
		Frequency	3574.68	3632.16	3690



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
15+30	PCC	Channel	637168	640666	644186
		Frequency	3557.52	3609.99	3662.79
	SCC	Channel	638648	642146	645666
		Frequency	3579.72	3632.19	3684.99
15+40	PCC	Channel	637168	640334	643540
		Frequency	3557.52	3605.01	3653.1
	SCC	Channel	638960	642126	645332
		Frequency	3584.4	3631.89	3679.98
20+10	PCC	Channel	637334	641334	645356
		Frequency	3560.01	3620.01	3680.34
	SCC	Channel	638310	642310	646332
		Frequency	3574.65	3634.65	3694.98
20+15	PCC	Channel	637334	641166	645022
		Frequency	3560.01	3617.49	3675.33
	SCC	Channel	638478	642310	646166
		Frequency	3577.17	3634.65	3692.49
20+20	PCC	Channel	637334	641000	644668
		Frequency	3560.01	3615	3670.02
	SCC	Channel	638666	642332	646000
		Frequency	3579.99	3634.98	3690
20+30	PCC	Channel	637334	640666	644002
		Frequency	3560.01	3609.99	3660.03
	SCC	Channel	638998	642330	645666
		Frequency	3584.97	3634.95	3684.99
20+40	PCC	Channel	637334	640334	643352
		Frequency	3560.01	3605.01	3650.28
	SCC	Channel	639314	642314	645332
		Frequency	3589.71	3634.71	3679.98
20+50	PCC	Channel	637334	640000	642684
		Frequency	3560.01	3600	3640.26
	SCC	Channel	639650	642316	645000
		Frequency	3594.75	3634.74	3675



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
30+10	PCC	Channel	637668	641334	645020
		Frequency	3565.02	3620.01	3675.3
	SCC	Channel	638980	642646	646332
		Frequency	3584.7	3639.69	3694.98
30+20	PCC	Channel	637668	641000	644336
		Frequency	3565.02	3615	3665.04
	SCC	Channel	639332	642664	646000
		Frequency	3589.98	3639.96	3690
30+30	PCC	Channel	637668	640666	643666
		Frequency	3565.02	3609.99	3654.99
	SCC	Channel	639668	642666	645666
		Frequency	3595.02	3639.99	3684.99
30+40	PCC	Channel	637668	640334	643020
		Frequency	3565.02	3605.01	3645.3
	SCC	Channel	639980	642646	645332
		Frequency	3599.7	3639.69	3679.98
30+50	PCC	Channel	637668	640000	642352
		Frequency	3565.02	3600	3635.28
	SCC	Channel	640316	642648	645000
		Frequency	3604.74	3639.72	3675
40+10	PCC	Channel	638000	641334	644708
		Frequency	3570	3620.01	3670.62
	SCC	Channel	639624	642958	646332
		Frequency	3594.36	3644.37	3694.98
40+20	PCC	Channel	638000	641000	644020
		Frequency	3570	3615	3660.3
	SCC	Channel	639980	642980	646000
		Frequency	3599.7	3644.7	3690
40+30	PCC	Channel	638000	640666	643354
		Frequency	3570	3609.99	3650.31
	SCC	Channel	640312	642978	645666
		Frequency	3604.68	3644.67	3684.99



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
40+40	PCC	Channel	638000	640334	642668
		Frequency	3570	3605.01	3640.02
	SCC	Channel	640664	642998	645332
		Frequency	3609.96	3644.97	3679.98
40+50	PCC	Channel	638000	640000	642004
		Frequency	3570	3600	3630.06
	SCC	Channel	640996	642996	645000
		Frequency	3614.94	3644.94	3675



5G NR n48C Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10+100	PCC	Channel	637000	638334	639692
		Frequency	3555	3575.01	3595.38
	SCC	Channel	640640	641974	643332
		Frequency	3609.6	3629.61	3649.98
15+100	PCC	Channel	637168	638334	639524
		Frequency	3557.52	3575.01	3592.86
	SCC	Channel	640976	642142	643332
		Frequency	3614.64	3632.13	3649.98
15+90	PCC	Channel	637168	638666	640194
		Frequency	3557.52	3579.99	3602.91
	SCC	Channel	640640	642138	643666
		Frequency	3609.6	3632.07	3654.99
20+100	PCC	Channel	637334	638334	639336
		Frequency	3560.01	3575.01	3590.04
	SCC	Channel	641330	642330	643332
		Frequency	3619.95	3634.95	3649.98
20+90	PCC	Channel	637334	638666	640006
		Frequency	3560.01	3579.99	3600.09
	SCC	Channel	640994	642326	643666
		Frequency	3614.91	3634.89	3654.99
40+100	PCC	Channel	638000	638334	638684
		Frequency	3570	3575.01	3580.26
	SCC	Channel	642648	642982	643332
		Frequency	3639.72	3644.73	3649.98
40+90	PCC	Channel	638000	638666	639346
		Frequency	3570	3579.99	3590.19
	SCC	Channel	642320	642986	643666
		Frequency	3634.8	3644.79	3654.99
40+80	PCC	Channel	638000	639000	640012
		Frequency	3570	3585	3600.18
	SCC	Channel	641988	642988	644000
		Frequency	3629.82	3644.82	3660



5G NR n48C Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
80+40	PCC	Channel	639334	640334	641344
		Frequency	3590.01	3605.01	3620.16
	SCC	Channel	643322	644322	645332
		Frequency	3649.83	3664.83	3679.98
90+20	PCC	Channel	639668	641000	642340
		Frequency	3595.02	3615	3635.1
	SCC	Channel	643328	644660	646000
		Frequency	3649.92	3669.9	3690
90+40	PCC	Channel	639668	640334	641012
		Frequency	3595.02	3605.01	3615.18
	SCC	Channel	643988	644654	645332
		Frequency	3659.82	3669.81	3679.98
100+10	PCC	Channel	640000	641334	642692
		Frequency	3600	3620.01	3640.38
	SCC	Channel	643640	644974	646332
		Frequency	3654.6	3674.61	3694.98
100+15	PCC	Channel	640000	641166	642358
		Frequency	3600	3617.49	3635.37
	SCC	Channel	643808	644974	646166
		Frequency	3657.12	3674.61	3692.49
100+20	PCC	Channel	640000	641000	642004
		Frequency	3600	3615	3630.06
	SCC	Channel	643996	644996	646000
		Frequency	3659.94	3674.94	3690
100+40	PCC	Channel	640000	640334	640684
		Frequency	3600	3605.01	3610.26
	SCC	Channel	644648	644982	645332
		Frequency	3669.72	3674.73	3679.98

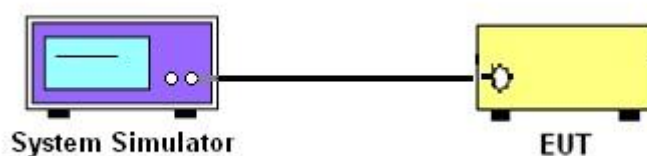
3 Conducted Test Items

3.1 Measuring Instruments

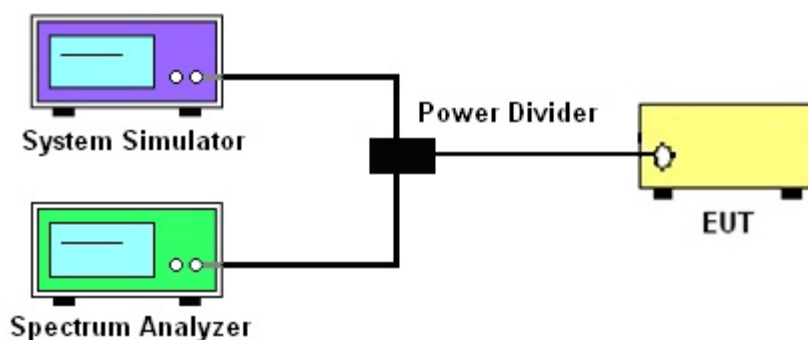
See list of measuring instruments of this test report.

3.1.1 Test Setup

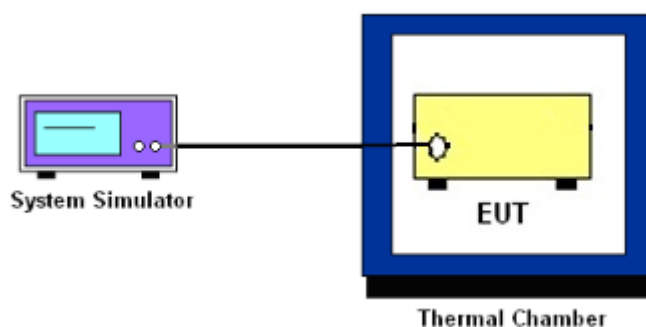
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power Measurement

3.2.1 Description of the Conducted Output Power Measurement

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

3.4 EIRP

3.4.1 Description of the EIRP Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for LTE Band 48.

The testing follows ANSI C63.26-2015 Section 5.2.5.5.

According to KDB 412172 D01 Power Approach,

$EIRP = PT + GT - LC$, where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

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

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

Remark: Total channel power is complied with EIRP limit 23dBm/10MHz.

3.4.2 Test Procedures

The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Part 96 CBRS Eqpt v03 Section 3.2(b)(2)

Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.



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

The conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

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. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 7.

For Adjacent Channel Leakage Ratio (ACLR) measurement,

1. The Adjacent Channel Leakage Ratio (ACLR) is the ratio of the average power in the assigned aggregated channel bandwidth to the average power over the equivalent adjacent channel bandwidth.
2. The option ACLR of spectrum analyzer is used and measures the ACLR ratio by setting equivalent channel bandwidth.
3. The measured ACLR ratio shall be at least 30 dB.



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.
10. The test reduction is applied to 1RB case for 10MHz Bandwidth to cover the all operation bandwidths. RBW 500kHz is applied to the 0-1MHz offset from the edge of the frequency block group for 1RB mode in order to represent the worst case condition.



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.

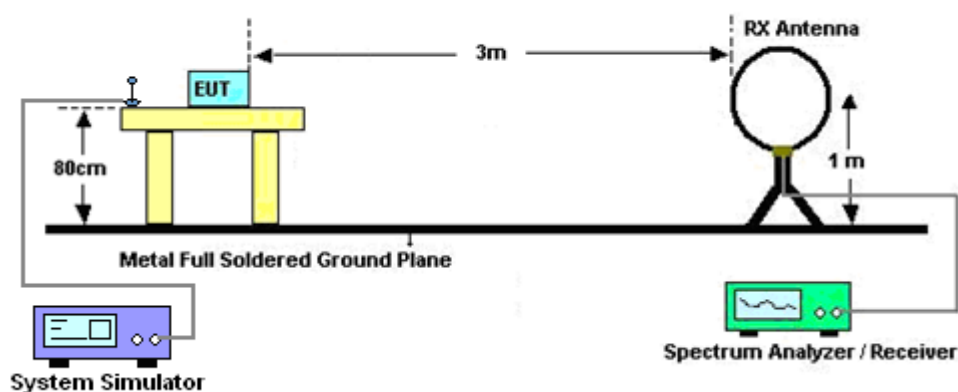
4 Radiated Test Items

4.1 Measuring Instruments

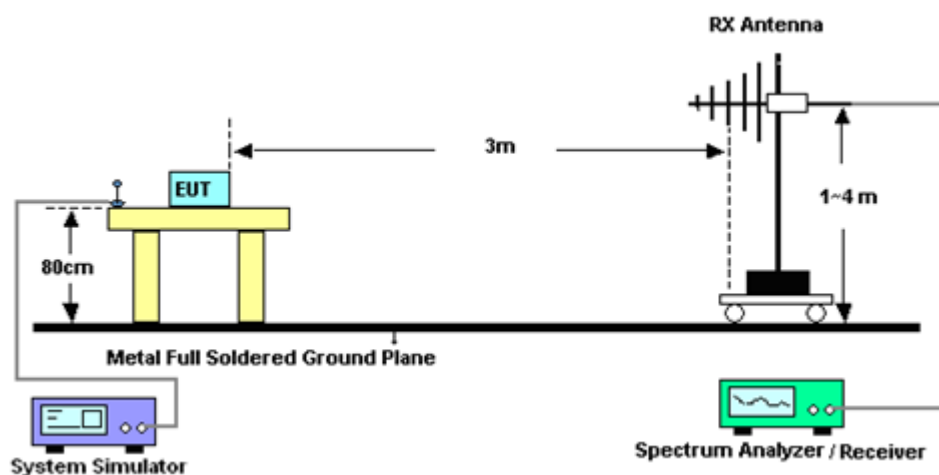
See list of measuring instruments of this test report.

4.1.1 Test Setup

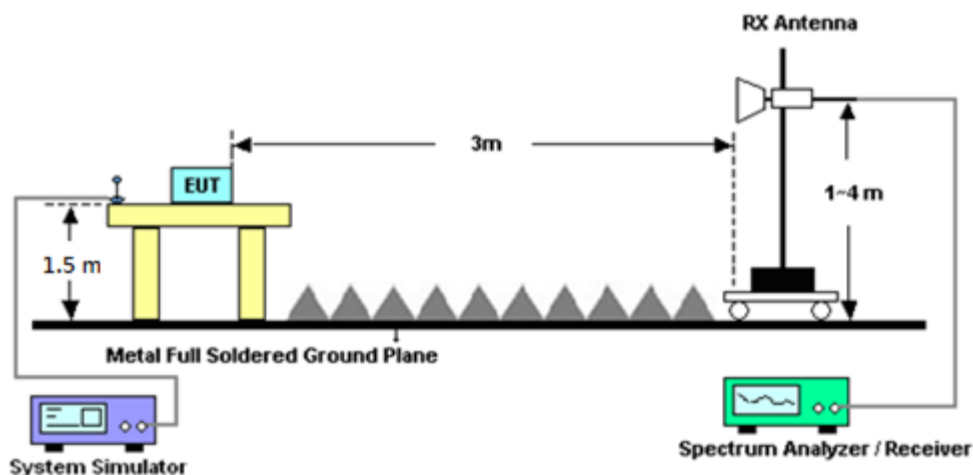
For radiated test below 30MHz



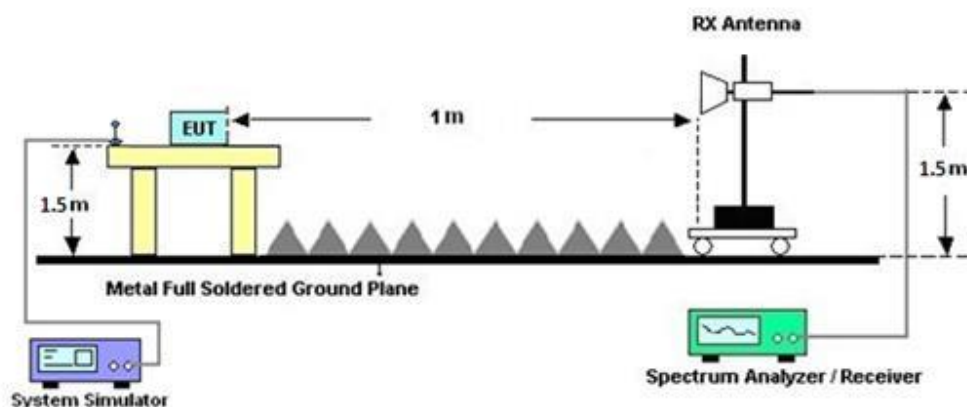
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 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.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was 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 one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 06, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 05, 2026	Radiation (03CH12-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Nov. 02 2025~ Dec. 15 2025	Dec. 17, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	Nov. 02 2025~ Nov. 25, 2025	Nov. 26, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 26, 2025	Nov. 26,2025~ Dec. 15 2025	Nov. 25, 2026	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 02, 2025	Nov. 02 2025~ Dec. 15 2025	Jul. 01, 2026	Radiation (03CH12-HY)
Preamplifier	E- INSTRUMENT TECH LTD.	ERA-100M- 18G-56-01- A70	EC1900269	1GHz-18GHz	Dec. 19, 2024	Nov. 02 2025~ Dec. 15 2025	Dec. 18, 2025	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Sep. 09, 2025	Nov. 02 2025~ Dec. 15 2025	Sep. 08, 2026	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 08, 2025	Nov. 02 2025~ Dec. 15 2025	Sep. 07, 2026	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00994	18GHz~40GHz	Jan. 09, 2025	Nov. 02 2025~ Dec. 15 2025	Jan. 08, 2026	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2024	Nov. 02 2025~ Dec. 01 2025	Dec. 01, 2025	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2025	Dec. 02 2025~ Dec. 15 2025	Dec. 01, 2026	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Nov. 02 2025~ Dec. 15 2025	May 25, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLKS1200- 12SS	SN2	1.2GHz Low Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-900- 1000-15000- 60SS	SN11	1GHz High Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12- 2700-3000- 18000-60ST	SN2	3GHz High Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX8- 5872.5-6750- 18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 12, 2025	Nov. 02 2025~ Dec. 15 2025	Mar. 11, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Oct. 31, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Oct. 31, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM- KM-1000	240905	30MHz~40GHz	Oct. 31, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLE X 104	EC-A5-300- 5757,805935 /4	9kHz~30MHz	Oct. 01, 2025	Nov. 02 2025~ Dec. 15 2025	Sep. 30, 2026	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Aug. 26, 2025	Nov. 02 2025~ Dec. 15 2025	Aug. 25, 2026	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6272278353	LTE FDD/TDD DLCA/ULCA	Oct. 28, 2025	Nov. 02 2025~ Dec. 15 2025	Oct. 27, 2026	Radiation (03CH12-HY)
Radio Communication Test Station	Anritsu	MT8000A	6262261912	N/A	May 07, 2025	Nov. 02 2025~ Dec. 15 2025	May 06, 2026	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Nov. 02 2025~ Dec. 15 2025	N/A	Radiation (03CH12-HY)
DC Power Supply	GW Instek	GPE2323	GET910896	0V~64V ;0A~6A	Nov. 26, 2024	Oct. 17, 2025~ Nov. 24, 2025	Nov. 25, 2025	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE2323	GEU810970	0V~64V ;0A~6A	Nov. 10, 2025	Nov. 25, 2025~ Jan. 06, 2026	Nov. 09, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101544	10Hz~44GHz	Aug. 18, 2025	Oct. 17, 2025~ Jan. 06, 2026	Aug. 17, 2026	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	May. 12, 2025	Oct. 17, 2025~ Jan. 06, 2026	May. 11, 2026	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 03, 2025	Oct. 17, 2025~ Jan. 06, 2026	Mar. 02, 2026	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8821C	6262192303	LTE	Oct. 30, 2024	Oct. 17, 2025~ Oct. 27, 2025	Oct. 29, 2025	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8821C	6262257866	LTE	May. 03, 2025	Oct. 28, 2025~ Jan. 06, 2026	May. 02, 2026	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8000A	6262186342	FR1	Oct. 29, 2024	Oct. 17, 2025~ Oct. 27, 2025	Oct. 28, 2025	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8000A	6262261912	FR1	May. 07, 2025	Oct. 28, 2025~ Jan. 06, 2026	May. 06, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	Oct. 17, 202~ Jan. 06, 2026	Jun. 12, 2026	Conducted (TH05-HY)
RF Cable	MVE	MCBL-LL403P.50	E80002C	9KHz~40GHz	Aug. 01, 2025	Oct. 17, 2025~ Jan. 06, 2026	Jul. 31, 2026	Conducted (TH05-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_20231106	N/A	Conducted Test Item	N/A	Oct. 17, 2025~ Jan. 06, 2026	N/A	Conducted (TH05-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and EIRP)

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	21.73	21.17	21.54	22.74	0.1879		
10	1	22		21.50	21.25	21.68				
10	12	6		21.49	21.06	21.50				
10	1	0		21.25	20.65	21.03				
10	1	23		20.95	20.75	21.16				
10	24	0		14.72	14.53	14.95				
10	1	1	QPSK	21.74	21.16	21.54				
10	1	22		21.54	21.25	21.68				
10	12	6		21.60	21.17	21.56				
10	1	0		20.70	20.18	20.54				
10	1	23		20.49	20.23	20.66				
10	24	0		14.24	14.03	14.46				
10	1	1	16-QAM	20.55	20.03	20.40	21.55	0.1429		
10	1	1	64-QAM	19.42	18.84	19.22				
10	1	1	256-QAM	17.21	16.70	17.04				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	21.81	21.30	21.55	22.81	0.1910		
15	1	36		21.47	21.36	21.70				
15	18	9		21.45	21.08	21.44				
15	1	0		21.32	20.77	21.00				
15	1	37		20.99	20.83	21.22				
15	36	0		14.76	14.57	14.93				
15	1	1	QPSK	21.81	21.29	21.50				
15	1	36		21.46	21.37	21.68				
15	18	9		21.58	21.21	21.54				
15	1	0		20.80	20.27	20.52				
15	1	37		20.45	20.34	20.68				
15	36	0		14.26	14.09	14.44				
15	1	1	16-QAM	20.64	20.13	20.35	21.64	0.1459		
15	1	1	64-QAM	19.51	18.94	19.17				
15	1	1	256-QAM	17.30	16.79	17.04				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	21.97	21.37	21.52	22.97	0.1982		
20	1	49		21.53	21.41	21.73				
20	25	12		21.64	21.17	21.46				
20	1	0		21.42	20.89	21.00				
20	1	50		21.03	20.90	21.25				
20	50	0		14.85	14.60	14.93				
20	1	1	QPSK	21.90	21.33	21.50				
20	1	49		21.49	21.37	21.73				
20	25	12		21.63	21.18	21.53				
20	1	0		20.89	20.34	20.51				
20	1	50		20.48	20.37	20.72				
20	50	0		14.32	14.12	14.41				
20	1	1	16-QAM	20.71	20.19	20.37	21.71	0.1483		
20	1	1	64-QAM	19.61	19.03	19.21				
20	1	1	256-QAM	17.45	16.85	17.03				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	21.87	21.48	21.50	22.87	0.1936		
30	1	76		21.42	21.43	21.77				
30	36	18		21.40	21.14	21.48				
30	1	0		21.31	20.96	20.97				
30	1	77		20.89	20.96	21.27				
30	75	0		14.62	14.61	14.89				
30	1	1	QPSK	21.84	21.41	21.50				
30	1	76		21.39	21.42	21.78				
30	36	18		21.40	21.17	21.45				
30	1	0		20.81	20.44	20.45				
30	1	77		20.38	20.38	20.77				
30	75	0		14.15	14.10	14.38				
30	1	1	16-QAM	20.66	20.24	20.35	21.66	0.1466		
30	1	1	64-QAM	19.56	19.12	19.19				
30	1	1	256-QAM	17.37	16.98	17.00				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	21.94	21.54	21.55	22.94	0.1968		
40	1	104		21.55	21.60	21.80				
40	50	25		21.40	21.21	21.37				
40	1	0		21.42	21.03	21.05				
40	1	105		21.07	21.13	21.28				
40	100	0		14.66	14.60	14.76				
40	1	1	QPSK	21.92	21.50	21.48				
40	1	104		21.53	21.56	21.77				
40	50	25		21.40	21.24	21.39				
40	1	0		20.92	20.51	20.51				
40	1	105		20.50	20.60	20.76				
40	100	0		14.16	14.11	14.29				
40	1	1	16-QAM	20.74	20.36	20.35	21.74	0.1493		
40	1	1	64-QAM	19.62	19.21	19.23				
40	1	1	256-QAM	17.48	17.07	17.03				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	21.98	21.60	21.53	22.98	0.1986		
50	1	131		21.54	21.70	21.80				
50	64	32		21.33	21.21	21.37				
50	1	0		21.46	21.09	21.03				
50	1	132		21.04	21.19	21.27				
50	128	0		14.52	14.57	14.66				
50	1	1	QPSK	21.97	21.53	21.51				
50	1	131		21.54	21.68	21.78				
50	64	32		21.28	21.22	21.37				
50	1	0		20.92	20.53	20.55				
50	1	132		20.51	20.64	20.76				
50	128	0		14.09	14.09	14.22				
50	1	1	16-QAM	20.75	20.40	20.36	21.75	0.1496		
50	1	1	64-QAM	19.68	19.31	19.27				
50	1	1	256-QAM	17.49	17.13	17.10				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	21.89	21.81	21.60	22.96	0.1977		
60	1	160		21.89	21.95	21.94				
60	81	40		21.37	21.23	21.36				
60	1	0		21.76	21.31	21.10				
60	1	161		21.39	21.45	21.54				
60	162	0		14.78	14.76	14.83				
60	1	1	QPSK	21.96	21.75	21.58				
60	1	160		21.88	21.92	21.93				
60	81	40		21.42	21.25	21.42				
60	1	0		21.23	20.75	20.58				
60	1	161		20.86	20.92	21.00				
60	162	0		14.27	14.24	14.33				
60	1	1	16-QAM	21.04	20.60	20.43	22.04	0.1600		
60	1	1	64-QAM	19.84	19.42	19.29				
60	1	1	256-QAM	17.70	17.26	17.12				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	21.88	21.50	21.26	22.88	0.1941		
70	1	187		21.17	21.61	21.80				
70	90	45		21.29	21.23	21.46				
70	1	0		21.39	20.97	20.75				
70	1	188		20.68	21.11	21.29				
70	180	0		14.54	14.63	14.78				
70	1	1	QPSK	21.85	21.49	21.27				
70	1	187		21.19	21.61	21.75				
70	90	45		21.35	21.27	21.50				
70	1	0		20.90	20.47	20.24				
70	1	188		20.14	20.60	20.79				
70	180	0		14.12	14.15	14.30				
70	1	1	16-QAM	20.74	20.31	20.05	21.74	0.1493		
70	1	1	64-QAM	19.50	19.09	18.87				
70	1	1	256-QAM	17.31	16.91	16.70				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	21.88	21.55	21.25	22.89	0.1945		
80	1	215		21.32	21.70	21.84				
80	108	54		21.37	21.31	21.44				
80	1	0		21.42	20.98	20.74				
80	1	216		20.81	21.17	21.36				
80	216	0		14.58	14.64	14.67				
80	1	1	QPSK	21.89	21.53	21.23				
80	1	215		21.30	21.67	21.80				
80	108	54		21.38	21.32	21.42				
80	1	0		20.89	20.50	20.22				
80	1	216		20.29	20.65	20.81				
80	216	0		14.12	14.19	14.20				
80	1	1	16-QAM	20.72	20.33	20.07	21.72	0.1486		
80	1	1	64-QAM	19.51	19.15	18.81				
80	1	1	256-QAM	17.36	16.95	16.70				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	21.93	21.56	21.56	22.94	0.1968		
90	1	243		21.37	21.68	21.94				
90	120	60		21.22	21.28	21.46				
90	1	0		21.46	21.05	21.00				
90	1	244		20.86	21.16	21.38				
90	243	0		14.51	14.65	14.74				
90	1	1	QPSK	21.92	21.54	21.54				
90	1	243		21.36	21.66	21.87				
90	120	60		21.29	21.34	21.51				
90	1	0		20.94	20.50	20.50				
90	1	244		20.33	20.67	20.87				
90	243	0		14.04	14.20	14.24				
90	1	1	16-QAM	20.73	20.41	20.36	21.73	0.1489		
90	1	1	64-QAM	19.57	19.22	19.15				
90	1	1	256-QAM	17.39	17.01	16.95				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 1 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	21.91	21.56	21.61	22.91	0.1954		
100	1	271		21.67	21.70	21.87				
100	135	67		21.20	21.14	21.18				
100	1	0		16.10	15.76	15.85				
100	1	272		16.00	15.98	16.16				
100	270	0		14.52	14.62	14.55				
100	1	1	QPSK	21.90	21.56	21.58				
100	1	271		21.63	21.69	21.86				
100	135	67		21.27	21.25	21.32				
100	1	0		15.64	15.28	15.37				
100	1	272		15.46	15.45	15.66				
100	270	0		14.05	14.13	14.05				
100	1	1	16-QAM	20.79	20.39	20.43	21.79	0.1510		
100	1	1	64-QAM	19.65	19.20	19.27				
100	1	1	256-QAM	17.43	17.01	17.08				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and ERP/EIRP)

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
10+15	1RB0	1RB37	PI/2 BPSK	13.93	13.68	14.07	22.97	0.1982
	1RB23	1RB0		20.09	19.71	20.12		
	9RB15	20RB0		21.92	21.27	21.97		
	1RB0	1RB37	QPSK	13.91	13.64	14.04		
	1RB23	1RB0		20.06	19.69	20.09		
	9RB15	20RB0		21.89	21.24	21.92		
	1RB0	1RB37	16-QAM	13.94	13.61	14.00	22.97	0.1982
	1RB23	1RB0		19.60	19.20	19.64		
	9RB15	20RB0		21.86	21.22	21.97		
	9RB15	20RB0	64-QAM	20.69	20.30	20.72		
	9RB15	20RB0	256-QAM	18.08	17.75	18.17		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
10+20	1RB0	1RB50	PI/2 BPSK	13.91	13.71	13.98	21.17	0.1309
	1RB23	1RB0		20.05	19.75	20.13		
	5RB19	32RB0		20.12	19.76	20.17		
	1RB0	1RB50	QPSK	13.88	13.69	13.92		
	1RB23	1RB0		20.02	19.72	20.06		
	5RB19	32RB0		20.07	19.73	20.13		
	1RB0	1RB50	16-QAM	13.86	13.68	14.07	20.54	0.1132
	1RB23	1RB0		19.51	19.19	19.54		
	5RB19	32RB0		19.11	18.82	19.25		
	5RB19	32RB0	64-QAM	17.96	17.69	18.08		
5RB19	32RB0	256-QAM	15.05	14.89	15.29			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
10+30	1RB0	1RB77	PI/2 BPSK	13.89	13.67	14.07	21.23	0.1327
	1RB23	1RB0		20.10	19.81	20.00		
	0RB0	50RB1		20.07	19.89	20.23		
	1RB0	1RB77	QPSK	13.86	13.64	14.03		
	1RB23	1RB0		20.07	19.74	19.97		
	0RB0	50RB1		20.02	19.82	20.12		
	1RB0	1RB77	16-QAM	13.92	13.62	13.98	20.56	0.1138
	1RB23	1RB0		19.56	19.25	19.46		
	0RB0	50RB1		18.94	19.23	19.11		
	0RB0	50RB1	64-QAM	17.90	17.69	17.81		
0RB0	50RB1	256-QAM	15.43	15.24	15.37			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
10+40	1RB0	1RB105	PI/2 BPSK	13.94	13.73	13.93	21.07	0.1279
	1RB23	1RB0		20.02	19.83	19.76		
	0RB0	64RB8		20.01	20.07	19.99		
	1RB0	1RB105	QPSK	13.91	13.69	13.89		
	1RB23	1RB0		19.96	19.75	19.74		
	0RB0	64RB8		19.96	20.04	19.91		
	1RB0	1RB105	16-QAM	13.87	13.65	13.86	20.63	0.1156
	1RB23	1RB0		19.63	19.42	19.36		
	0RB0	64RB8		19.39	19.46	19.63		
	0RB0	64RB8	64-QAM	17.89	17.82	17.92		
	0RB0	64RB8	256-QAM	15.42	15.31	15.44		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
10+50	1RB0	1RB132	PI/2 BPSK	14.01	13.80	13.85	20.98	0.1253
	1RB23	1RB0		19.92	19.90	19.90		
	0RB0	75RB14		19.98	19.91	19.88		
	1RB0	1RB132	QPSK	13.96	13.76	13.83		
	1RB23	1RB0		19.89	19.86	19.86		
	0RB0	75RB14		19.92	19.87	19.98		
	1RB0	1RB132	16-QAM	13.92	13.72	13.79	20.59	0.1146
	1RB23	1RB0		19.59	19.38	19.37		
	0RB0	75RB14		19.44	19.56	19.50		
	0RB0	75RB14	64-QAM	17.87	17.81	17.92		
	0RB0	75RB14	256-QAM	15.42	15.26	15.33		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+10	1RB0	1RB23	PI/2 BPSK	14.22	13.92	14.28	21.24	0.1330
	1RB37	1RB0		20.06	19.85	20.01		
	20RB18	9RB0		20.16	19.91	20.24		
	1RB0	1RB23	QPSK	14.20	13.88	14.25		
	1RB37	1RB0		20.01	19.81	19.94		
	20RB18	9RB0		20.14	19.85	20.19		
	1RB0	1RB23	16-QAM	14.16	13.85	14.22	20.65	0.1161
	1RB37	1RB0		19.58	19.36	19.65		
	20RB18	9RB0		19.60	19.37	19.64		
	20RB18	9RB0	64-QAM	18.07	17.82	18.13		
20RB18	9RB0	256-QAM	15.55	15.34	15.62			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+15	1RB0	1RB37	PI/2 BPSK	14.13	13.85	14.15	21.20	0.1318
	1RB37	1RB0		19.91	19.78	19.98		
	20RB18	16RB0		20.20	19.84	20.17		
	1RB0	1RB37	QPSK	14.10	13.81	14.12		
	1RB37	1RB0		19.89	19.74	19.93		
	20RB18	16RB0		20.16	19.80	20.14		
	1RB0	1RB37	16-QAM	14.08	13.78	14.07	20.69	0.1172
	1RB37	1RB0		19.61	19.31	19.69		
	20RB18	16RB0		19.58	19.23	19.57		
	20RB18	16RB0	64-QAM	18.14	17.81	18.11		
20RB18	16RB0	256-QAM	15.12	15.25	15.58			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+20	1RB0	1RB50	PI/2 BPSK	14.09	13.83	14.16	21.15	0.1303
	1RB37	1RB0		20.13	19.95	20.10		
	16RB22	27RB0		20.15	19.89	20.15		
	1RB0	1RB50	QPSK	14.06	13.79	14.11		
	1RB37	1RB0		20.10	19.92	20.06		
	16RB22	27RB0		20.12	19.84	20.10		
	1RB0	1RB50	16-QAM	14.04	13.75	14.08	20.60	0.1148
	1RB37	1RB0		19.60	19.35	19.60		
	16RB22	27RB0		19.56	19.25	19.59		
	16RB22	27RB0	64-QAM	18.01	17.74	18.08		
16RB22	27RB0	256-QAM	15.56	15.28	15.60			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+30	1RB0	1RB77	PI/2 BPSK	14.08	13.99	14.14	21.21	0.1321
	1RB37	1RB0		20.06	19.87	20.15		
	9RB29	48RB0		20.06	19.89	20.21		
	1RB0	1RB77	QPSK	14.03	13.97	14.10		
	1RB37	1RB0		20.02	19.83	20.12		
	9RB29	48RB0		20.06	19.82	20.17		
	1RB0	1RB77	16-QAM	14.02	13.94	14.06	20.65	0.1161
	1RB37	1RB0		19.53	19.36	19.65		
	9RB29	48RB0		19.45	19.24	19.62		
	9RB29	48RB0	64-QAM	17.97	17.71	18.12		
9RB29	48RB0	256-QAM	15.50	15.35	15.71			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+40	1RB0	1RB105	PI/2 BPSK	14.28	14.04	14.15	21.11	0.1291
	1RB37	1RB0		20.07	19.91	19.95		
	4RB34	64RB0		20.06	19.90	20.11		
	1RB0	1RB105	QPSK	14.25	14.00	14.11		
	1RB37	1RB0		20.05	19.87	19.91		
	4RB34	64RB0		20.03	19.86	20.07		
	1RB0	1RB105	16-QAM	14.22	13.96	14.05	20.68	0.1169
	1RB37	1RB0		19.68	19.41	19.48		
	4RB34	64RB0		19.53	19.35	19.57		
	4RB34	64RB0	64-QAM	17.93	17.76	18.03		
	4RB34	64RB0	256-QAM	15.57	15.39	15.53		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+10	1RB0	1RB23	PI/2 BPSK	14.13	13.95	14.29	21.22	0.1324
	1RB50	1RB0		20.00	19.81	20.20		
	32RB19	5RB0		20.05	19.88	20.22		
	1RB0	1RB23	QPSK	14.10	13.91	14.21		
	1RB50	1RB0		19.98	19.78	20.16		
	32RB19	5RB0		20.01	19.81	20.20		
	1RB0	1RB23	16-QAM	14.05	13.88	14.16	20.64	0.1159
	1RB50	1RB0		19.53	19.27	19.64		
	32RB19	5RB0		19.50	19.24	19.61		
	32RB19	5RB0	64-QAM	17.98	17.73	18.10		
32RB19	5RB0	256-QAM	15.50	15.36	15.71			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+15	1RB0	1RB37	PI/2 BPSK	14.04	13.76	14.06	21.18	0.1312
	1RB50	1RB0		20.08	19.81	20.18		
	27RB24	16RB0		20.15	19.83	20.17		
	1RB0	1RB37	QPSK	13.95	13.68	14.00		
	1RB50	1RB0		20.05	19.77	20.14		
	27RB24	16RB0		20.12	19.73	20.15		
	1RB0	1RB37	16-QAM	14.13	13.79	13.97	20.61	0.1151
	1RB50	1RB0		19.58	19.30	19.61		
	27RB24	16RB0		19.30	19.28	19.32		
	27RB24	16RB0	64-QAM	18.05	17.74	18.09		
27RB24	16RB0	256-QAM	15.21	15.34	15.31			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+20	1RB0	1RB50	PI/2 BPSK	13.99	13.95	14.18	21.22	0.1324
	1RB50	1RB0		20.03	19.84	20.22		
	25RB26	25RB0		20.06	19.87	20.21		
	1RB0	1RB50	QPSK	13.92	13.91	14.14		
	1RB50	1RB0		20.01	19.82	20.17		
	25RB26	25RB0		19.99	19.83	20.18		
	1RB0	1RB50	16-QAM	13.88	13.88	14.09	20.72	0.1180
	1RB50	1RB0		19.56	19.35	19.72		
	25RB26	25RB0		19.53	19.33	19.62		
	25RB26	25RB0	64-QAM	18.09	17.83	18.18		
	25RB26	25RB0	256-QAM	15.48	15.40	15.66		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+30	1RB0	1RB77	PI/2 BPSK	14.19	14.07	13.98	21.31	0.1352
	1RB50	1RB0		19.99	19.90	20.19		
	18RB33	45RB0		20.04	19.91	20.31		
	1RB0	1RB77	QPSK	14.12	14.02	14.13		
	1RB50	1RB0		19.96	19.85	20.16		
	18RB33	45RB0		19.98	19.86	20.25		
	1RB0	1RB77	16-QAM	14.10	13.97	14.10	20.71	0.1178
	1RB50	1RB0		19.52	19.34	19.65		
	18RB33	45RB0		19.49	19.33	19.71		
	18RB33	45RB0	64-QAM	17.89	17.79	18.10		
18RB33	45RB0	256-QAM	15.46	15.36	15.66			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+40	1RB0	1RB105	PI/2 BPSK	14.07	13.91	13.95	22.99	0.1991
	1RB50	1RB0		19.99	19.91	19.99		
	12RB39	64RB0		21.99	21.94	21.98		
	1RB0	1RB105	QPSK	14.04	13.87	13.92		
	1RB50	1RB0		20.02	19.86	19.96		
	12RB39	64RB0		21.92	21.91	21.95		
	1RB0	1RB105	16-QAM	14.01	14.05	14.10	22.94	0.1968
	1RB50	1RB0		19.56	19.36	19.56		
	12RB39	64RB0		21.91	21.85	21.94		
	12RB39	64RB0	64-QAM	20.60	20.45	20.64		
12RB39	64RB0	256-QAM	17.98	17.85	18.06			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+50	1RB0	1RB132	PI/2 BPSK	13.91	13.85	13.97	20.97	0.1250
	1RB50	1RB0		19.88	19.82	19.84		
	6RB45	81RB0		19.96	19.86	19.97		
	1RB0	1RB132	QPSK	13.88	13.81	13.94		
	1RB50	1RB0		19.85	19.79	19.81		
	6RB45	81RB0		19.90	19.83	19.95		
	1RB0	1RB132	16-QAM	13.84	13.97	14.00	20.56	0.1138
	1RB50	1RB0		19.54	19.46	19.49		
	6RB45	81RB0		19.43	19.38	19.56		
	6RB45	81RB0	64-QAM	17.85	17.76	17.96		
	6RB45	81RB0	256-QAM	15.39	15.37	15.55		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
30+10	1RB0	1RB23	PI/2 BPSK	14.00	13.77	14.01	21.26	0.1337
	1RB77	1RB0		20.00	19.78	20.20		
	50RB27	0RB0		20.14	19.89	20.26		
	1RB0	1RB23	QPSK	13.96	13.73	13.97		
	1RB77	1RB0		19.96	19.75	20.16		
	50RB27	0RB0		20.11	19.82	20.21		
	1RB0	1RB23	16-QAM	14.06	13.91	14.13	20.71	0.1178
	1RB77	1RB0		19.52	18.88	19.71		
	50RB27	0RB0		19.52	19.30	19.62		
	50RB27	0RB0	64-QAM	18.02	17.78	18.12		
50RB27	0RB0	256-QAM	15.52	15.31	15.66			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
30+20	1RB0	1RB50	PI/2 BPSK	14.06	13.73	13.92	21.17	0.1309
	1RB77	1RB0		20.07	19.71	20.17		
	45RB33	18RB0		20.10	19.67	20.17		
	1RB0	1RB50	QPSK	14.00	13.69	13.88		
	1RB77	1RB0		20.03	19.69	20.14		
	45RB33	18RB0		20.06	19.63	20.12		
	1RB0	1RB50	16-QAM	14.20	13.79	13.96	20.67	0.1167
	1RB77	1RB0		19.56	19.25	19.67		
	45RB33	18RB0		19.53	19.18	19.55		
	45RB33	18RB0	64-QAM	18.08	17.64	18.04		
45RB33	18RB0	256-QAM	15.52	15.20	15.53			
Limit	EIRP < 23dBm/10MHz			Result				

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
30+30	1RB0	1RB77	PI/2 BPSK	14.07	14.11	13.94	21.08	0.1282
	1RB77	1RB0		19.96	19.77	20.08		
	40RB38	36RB0		20.04	19.80	20.08		
	1RB0	1RB77	QPSK	14.03	14.01	13.89		
	1RB77	1RB0		19.94	19.72	20.04		
	40RB38	36RB0		20.00	19.78	20.04		
	1RB0	1RB77	16-QAM	14.19	13.97	14.03	20.58	0.1143
	1RB77	1RB0		19.46	19.30	19.58		
	40RB38	36RB0		19.32	19.27	19.05		
	40RB38	36RB0	64-QAM	17.93	17.74	17.99		
40RB38	36RB0	256-QAM	15.24	15.21	15.31			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
30+40	1RB0	1RB105	PI/2 BPSK	13.89	13.82	13.92	21.02	0.1265
	1RB77	1RB0		19.85	19.81	20.01		
	32RB46	60RB0		19.89	19.80	20.02		
	1RB0	1RB105	QPSK	13.84	13.77	13.89		
	1RB77	1RB0		19.80	19.76	19.95		
	32RB46	60RB0		19.85	19.78	19.98		
	1RB0	1RB105	16-QAM	13.88	14.00	14.00	20.61	0.1151
	1RB77	1RB0		19.46	19.40	19.61		
	32RB46	60RB0		19.41	19.31	19.47		
	32RB46	60RB0	64-QAM	17.86	17.76	17.93		
32RB46	60RB0	256-QAM	15.36	15.29	15.49			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
30+50	1RB0	1RB130	PI/2 BPSK	13.97	13.87	13.92	20.94	0.1242
	1RB77	1RB0		19.86	19.84	19.77		
	25RB53	80RB0		19.91	19.83	19.94		
	1RB0	1RB130	QPSK	13.92	13.83	13.90		
	1RB77	1RB0		19.83	19.82	19.73		
	25RB53	80RB0		19.87	19.80	19.91		
	1RB0	1RB130	16-QAM	14.13	14.05	14.00	20.48	0.1117
	1RB77	1RB0		19.48	19.41	19.35		
	25RB53	80RB0		19.39	19.33	19.39		
	25RB53	80RB0	64-QAM	17.91	17.81	17.93		
25RB53	80RB0	256-QAM	15.36	15.38	15.38			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+10	1RB0	1RB23	PI/2 BPSK	13.93	13.82	13.91	21.29	0.1346
	1RB105	1RB0		19.92	19.71	20.20		
	64RB34	0RB0		20.06	20.02	20.29		
	1RB0	1RB23	QPSK	13.89	13.76	13.87		
	1RB105	1RB0		19.87	19.67	20.16		
	64RB34	0RB0		20.00	19.85	20.24		
	1RB0	1RB23	16-QAM	14.03	13.87	14.04	20.72	0.1180
	1RB105	1RB0		19.44	19.23	19.72		
	64RB34	0RB0		19.40	19.26	19.66		
	64RB34	0RB0	64-QAM	17.89	17.74	18.15		
64RB34	0RB0	256-QAM	15.42	15.31	15.68			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+20	1RB0	1RB50	PI/2 BPSK	14.06	13.90	13.92	21.16	0.1306
	1RB105	1RB0		19.99	19.75	20.16		
	64RB42	12RB0		20.09	19.83	20.10		
	1RB0	1RB50	QPSK	14.02	13.86	13.88		
	1RB105	1RB0		19.93	19.71	20.12		
	64RB42	12RB0		20.04	19.78	20.06		
	1RB0	1RB50	16-QAM	14.18	14.00	13.97	20.71	0.1178
	1RB105	1RB0		19.50	19.33	19.71		
	64RB42	12RB0		19.52	19.28	19.54		
	64RB42	12RB0	64-QAM	17.96	17.71	17.99		
64RB42	12RB0	256-QAM	15.45	15.25	15.55			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+30	1RB0	1RB77	PI/2 BPSK	13.98	13.86	13.96	21.12	0.1294
	1RB105	1RB0		19.93	19.73	20.12		
	60RB46	32RB0		19.95	19.76	20.04		
	1RB0	1RB77	QPSK	13.93	13.82	13.93		
	1RB105	1RB0		19.90	19.70	20.08		
	60RB46	32RB0		19.90	19.73	20.00		
	1RB0	1RB77	16-QAM	14.08	13.96	14.05	20.65	0.1161
	1RB105	1RB0		19.51	19.33	19.65		
	60RB46	32RB0		19.46	19.31	19.53		
	60RB46	32RB0	64-QAM	17.93	17.74	17.97		
60RB46	32RB0	256-QAM	15.41	15.25	15.47			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+40	1RB0	1RB105	PI/2 BPSK	13.98	13.90	13.98	21.04	0.1271
	1RB105	1RB0		19.98	19.80	19.97		
	54RB52	50RB0		20.04	19.84	19.97		
	1RB0	1RB105	QPSK	13.94	13.86	13.94		
	1RB105	1RB0		19.94	19.76	19.94		
	54RB52	50RB0		19.99	19.80	19.92		
	1RB0	1RB105	16-QAM	14.17	14.02	14.12	20.60	0.1148
	1RB105	1RB0		19.60	19.36	19.56		
	54RB52	50RB0		19.49	19.30	19.43		
	54RB52	50RB0	64-QAM	17.98	17.80	17.97		
54RB52	50RB0	256-QAM	15.42	15.28	15.17			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+50	1RB0	1RB132	PI/2 BPSK	14.00	13.97	14.08	22.97	0.1982
	1RB105	1RB0		19.92	19.84	19.86		
	45RB61	72RB0		21.55	21.95	21.97		
	1RB0	1RB132	QPSK	13.96	13.94	14.04		
	1RB105	1RB0		19.89	19.80	19.82		
	45RB61	72RB0		21.51	21.90	21.88		
	1RB0	1RB132	16-QAM	14.11	14.06	14.16	22.97	0.1982
	1RB105	1RB0		19.52	19.38	19.40		
	45RB61	72RB0		21.97	21.87	21.85		
	45RB61	72RB0	64-QAM	20.39	20.30	20.43		
45RB61	72RB0	256-QAM	17.80	17.78	17.80			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and ERP/EIRP)

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
10+100	1RB0	1RB272	PI/2 BPSK	14.28	14.20	14.19	22.27	0.1687
	1RB23	1RB0		19.94	19.74	19.75		
	0RB0	144RB48		21.26	21.18	21.27		
	1RB0	1RB272	QPSK	14.25	14.16	14.15		
	1RB23	1RB0		19.92	19.67	19.72		
	0RB0	144RB48		21.24	21.15	21.22		
	1RB0	1RB272	16-QAM	14.41	14.23	14.30	22.24	0.1675
	1RB23	1RB0		20.03	19.75	19.85		
	0RB0	144RB48		21.21	21.12	21.24		
	0RB0	144RB48	64-QAM	20.19	20.05	20.12		
	0RB0	144RB48	256-QAM	18.18	18.02	18.11		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+100	1RB0	1RB272	PI/2 BPSK	14.26	14.19	14.19	21.17	0.1309
	1RB37	1RB0		19.85	19.66	19.72		
	0RB0	150RB37		20.17	20.11	20.05		
	1RB0	1RB272	QPSK	14.21	14.14	14.13		
	1RB37	1RB0		19.80	19.59	19.68		
	0RB0	150RB37		20.15	20.07	20.01		
	1RB0	1RB272	16-QAM	13.90	14.23	14.24	21.12	0.1294
	1RB37	1RB0		19.90	19.68	19.81		
	0RB0	150RB37		20.12	20.05	19.98		
	0RB0	150RB37	64-QAM	17.62	17.48	17.53		
	0RB0	150RB37	256-QAM	15.61	15.52	15.56		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
15+90	1RB0	1RB244	PI/2 BPSK	14.16	13.68	14.12	21.13	0.1297
	1RB37	1RB0		19.73	19.54	19.86		
	0RB0	135RB30		20.13	20.11	20.06		
	1RB0	1RB244	QPSK	14.10	13.63	14.09		
	1RB37	1RB0		19.69	19.51	19.83		
	0RB0	135RB30		20.11	20.06	20.01		
	1RB0	1RB244	16-QAM	14.25	14.18	14.31	21.16	0.1306
	1RB37	1RB0		19.83	19.59	19.94		
	0RB0	135RB30		20.16	20.04	19.98		
	0RB0	135RB30	64-QAM	17.63	17.50	17.44		
	0RB0	135RB30	256-QAM	15.62	15.51	15.41		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+100	1RB0	1RB272	PI/2 BPSK	14.32	14.22	14.05	21.22	0.1324
	1RB50	1RB0		19.61	19.54	19.71		
	0RB0	162RB30		20.17	20.22	20.06		
	1RB0	1RB272	QPSK	14.29	14.20	14.00		
	1RB50	1RB0		19.57	19.50	19.68		
	0RB0	162RB30		20.14	19.97	20.01		
	1RB0	1RB272	16-QAM	14.44	14.25	14.10	21.12	0.1294
	1RB50	1RB0		19.70	19.57	19.87		
	0RB0	162RB30		20.12	19.94	19.98		
	0RB0	162RB30	64-QAM	17.59	17.46	17.42		
	0RB0	162RB30	256-QAM	15.61	15.44	15.47		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
20+90	1RB0	1RB244	PI/2 BPSK	13.61	13.65	14.10	21.28	0.1343
	1RB50	1RB0		19.61	19.63	20.28		
	0RB0	144RB21		20.14	20.09	20.11		
	1RB0	1RB244	QPSK	13.57	13.61	14.05		
	1RB50	1RB0		19.56	19.59	20.25		
	0RB0	144RB21		20.11	20.04	20.06		
	1RB0	1RB244	16-QAM	14.28	14.25	14.12	21.43	0.1390
	1RB50	1RB0		19.66	19.67	20.43		
	0RB0	144RB21		20.08	20.02	20.02		
	0RB0	144RB21	64-QAM	17.56	17.49	17.52		
	0RB0	144RB21	256-QAM	15.59	15.51	15.56		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+100	1RB0	1RB272	PI/2 BPSK	14.44	14.38	14.24	21.09	0.1285
	1RB105	1RB0		19.64	19.63	19.82		
	6RB100	180RB0		20.09	19.93	19.86		
	1RB0	1RB272	QPSK	14.37	14.34	14.21		
	1RB105	1RB0		19.59	19.57	19.78		
	6RB100	180RB0		20.03	19.91	19.82		
	1RB0	1RB272	16-QAM	14.50	14.42	14.21	21.04	0.1271
	1RB105	1RB0		19.67	19.76	19.89		
	6RB100	180RB0		20.04	19.88	19.86		
	6RB100	180RB0	64-QAM	17.15	17.27	17.53		
6RB100	180RB0	256-QAM	15.55	16.73	15.63			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+90	1RB0	1RB244	PI/2 BPSK	14.46	14.28	14.10	22.97	0.1982
	1RB105	1RB0		19.58	19.83	19.91		
	20RB86	150RB0		21.95	21.93	21.97		
	1RB0	1RB244	QPSK	14.40	14.23	14.07		
	1RB105	1RB0		19.55	19.79	19.87		
	20RB86	150RB0		21.92	21.89	21.93		
	1RB0	1RB244	16-QAM	14.54	14.36	14.11	22.90	0.1950
	1RB105	1RB0		19.69	19.81	19.94		
	20RB86	150RB0		21.83	21.87	21.90		
	20RB86	150RB0	64-QAM	20.03	20.10	20.17		
	20RB86	150RB0	256-QAM	18.02	18.06	18.15		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
40+80	1RB0	1RB216	PI/2 BPSK	14.42	14.32	14.13	21.14	0.1300
	1RB105	1RB0		19.66	19.84	19.73		
	25RB81	135RB0		20.14	20.13	20.14		
	1RB0	1RB216	QPSK	14.39	14.28	14.09		
	1RB105	1RB0		19.62	19.81	19.70		
	25RB81	135RB0		20.12	20.08	20.10		
	1RB0	1RB216	16-QAM	14.49	14.34	14.21	21.13	0.1297
	1RB105	1RB0		19.69	19.92	19.86		
	25RB81	135RB0		19.79	20.11	20.13		
	25RB81	135RB0	64-QAM	17.61	17.61	17.67		
25RB81	135RB0	256-QAM	15.58	15.57	15.64			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
80+40	1RB0	1RB105	PI/2 BPSK	14.36	14.46	14.41	21.26	0.1337
	1RB216	1RB0		19.94	20.08	20.16		
	135RB82	24RB0		20.07	19.95	20.26		
	1RB0	1RB105	QPSK	14.32	14.41	14.36		
	1RB216	1RB0		19.89	20.04	20.13		
	135RB82	24RB0		20.01	19.88	20.21		
	1RB0	1RB105	16-QAM	14.51	14.53	14.42	21.28	0.1343
	1RB216	1RB0		20.00	20.18	20.28		
	135RB82	24RB0		20.03	19.91	20.23		
	135RB82	24RB0	64-QAM	17.53	17.43	17.72		
	135RB82	24RB0	256-QAM	15.40	15.33	15.66		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
90+20	1RB0	1RB50	PI/2 BPSK	14.38	14.35	14.33	21.41	0.1384
	1RB244	1RB0		20.09	20.19	20.41		
	144RB80	0RB0		20.31	20.25	20.33		
	1RB0	1RB50	QPSK	14.33	14.31	14.28		
	1RB244	1RB0		20.05	20.16	20.38		
	144RB80	0RB0		20.28	20.21	20.28		
	1RB0	1RB50	16-QAM	14.45	14.43	14.40	21.29	0.1346
	1RB244	1RB0		20.21	20.29	20.13		
	144RB80	0RB0		20.25	20.18	20.25		
	144RB80	0RB0	64-QAM	17.71	17.67	17.75		
144RB80	0RB0	256-QAM	15.73	15.67	15.77			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
90+40	1RB0	1RB105	PI/2 BPSK	14.47	14.43	14.42	21.29	0.1346
	1RB244	1RB0		20.10	20.04	20.29		
	160RB85	10RB0		20.15	20.12	20.13		
	1RB0	1RB105	QPSK	14.42	14.39	14.36		
	1RB244	1RB0		20.06	20.01	20.23		
	160RB85	10RB0		20.11	20.06	20.09		
	1RB0	1RB105	16-QAM	14.60	14.47	14.46	21.34	0.1361
	1RB244	1RB0		20.18	20.20	20.34		
	160RB85	10RB0		20.11	20.10	20.20		
	160RB85	10RB0	64-QAM	17.65	17.61	17.66		
	160RB85	10RB0	256-QAM	15.64	15.60	15.63		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
100+10	1RB0	1RB23	PI/2 BPSK	14.35	14.33	14.21	21.38	0.1374
	1RB272	1RB0		20.09	20.31	20.38		
	144RB81	0RB0		20.33	20.27	20.21		
	1RB0	1RB23	QPSK	14.30	14.28	14.15		
	1RB272	1RB0		20.04	20.27	20.33		
	144RB81	0RB0		20.26	20.22	20.13		
	1RB0	1RB23	16-QAM	14.39	14.36	14.11	21.42	0.1387
	1RB272	1RB0		20.20	20.42	20.26		
	144RB81	0RB0		20.22	20.18	20.09		
	144RB81	0RB0	64-QAM	17.66	17.62	17.57		
144RB81	0RB0	256-QAM	15.71	15.67	15.74			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
100+15	1RB0	1RB37	PI/2 BPSK	14.27	14.26	14.13	21.37	0.1371
	1RB272	1RB0		19.82	20.12	20.37		
	150RB86	0RB0		20.22	20.12	20.11		
	1RB0	1RB37	QPSK	14.28	14.20	14.07		
	1RB272	1RB0		19.79	20.06	20.33		
	150RB86	0RB0		20.16	20.07	20.06		
	1RB0	1RB37	16-QAM	14.13	14.28	14.19	21.40	0.1380
	1RB272	1RB0		19.75	20.23	20.40		
	150RB86	0RB0		20.12	20.03	20.03		
	150RB86	0RB0	64-QAM	17.62	17.48	17.48		
	150RB86	0RB0	256-QAM	15.59	15.47	15.48		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
100+20	1RB0	1RB50	PI/2 BPSK	14.32	14.21	14.15	21.25	0.1334
	1RB272	1RB0		19.79	20.11	20.25		
	162RB81	0RB0		20.14	20.06	20.13		
	1RB0	1RB50	QPSK	14.29	14.16	14.09		
	1RB272	1RB0		19.74	20.05	20.22		
	162RB81	0RB0		20.11	20.02	20.07		
	1RB0	1RB50	16-QAM	14.35	14.30	14.16	21.49	0.1409
	1RB272	1RB0		19.87	20.13	20.49		
	162RB81	0RB0		20.04	19.97	20.03		
	162RB81	0RB0	64-QAM	17.53	17.45	17.48		
162RB81	0RB0	256-QAM	15.52	15.45	15.47			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48C ULCA Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW	RB	RB	Mod	Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	(dBm)	(W)
100+40	1RB0	1RB105	PI/2 BPSK	14.35	14.30	14.17	22.16	0.1644
	1RB272	1RB0		19.75	19.73	19.83		
	180RB93	6RB0		21.12	21.13	21.16		
	1RB0	1RB105	QPSK	14.32	14.27	14.14		
	1RB272	1RB0		19.72	19.70	19.81		
	180RB93	6RB0		21.08	21.09	21.10		
	1RB0	1RB105	16-QAM	14.42	14.38	14.22	22.18	0.1652
	1RB272	1RB0		19.80	19.89	20.00		
	180RB93	6RB0		21.13	21.11	21.18		
	180RB93	6RB0	64-QAM	19.80	19.81	19.89		
180RB93	6RB0	256-QAM	17.91	17.89	17.94			
Limit	EIRP < 23dBm/10MHz			Result			Pass	

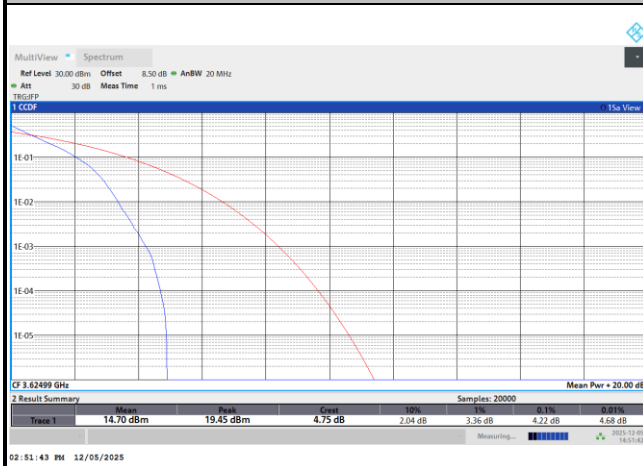
**FR1 n48****<SISO Mode>****Peak-to-Average Ratio**

Mode	FR1 n48 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.22	5.26	5.84	6.28	PASS
Mode	FR1 n48 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.68				PASS

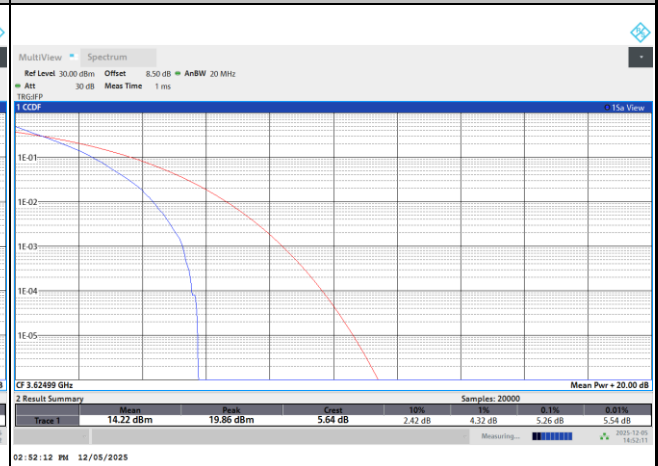


FR1 n48 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

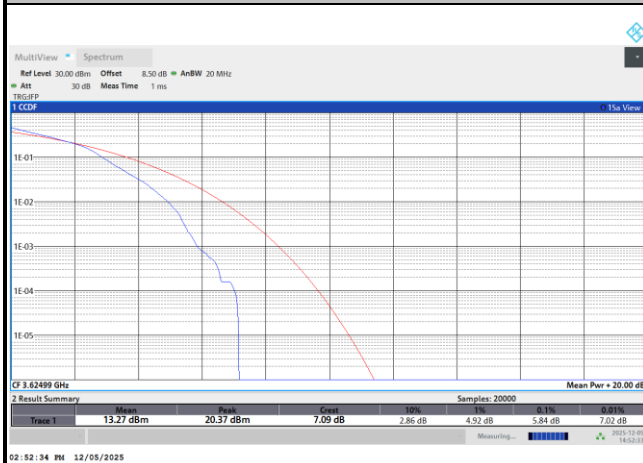
PI/2 BPSK



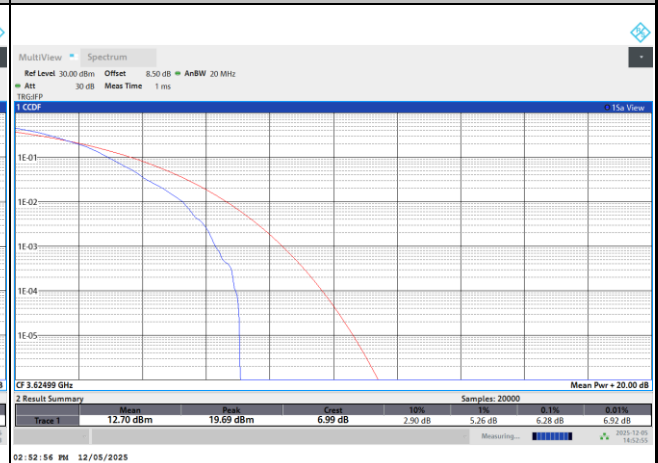
QPSK



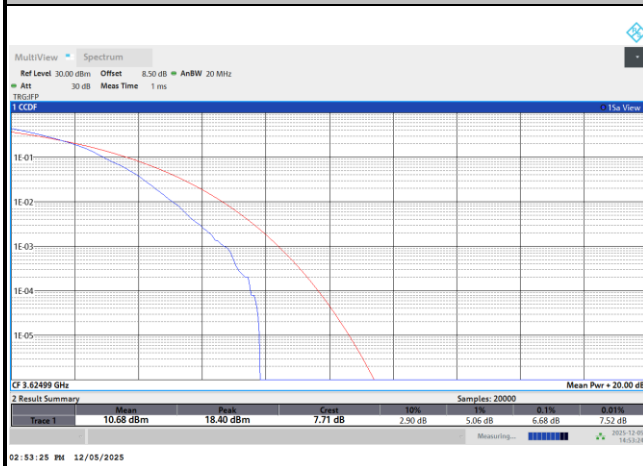
16QAM



64QAM



256QAM



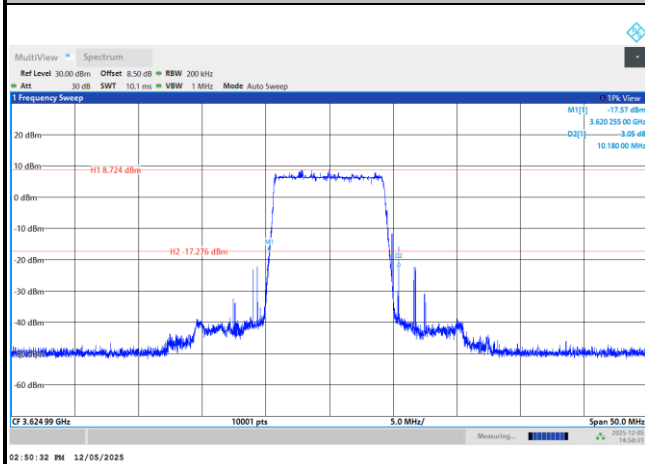
**26dB Bandwidth**

Mode	FR1 n48 : 26dB BW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz		20MHz		30MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	10.18	9.87	14.22	14.25	19.31	19.31	29.31	29.40
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	9.87		14.22		19.17		29.29	
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	38.28	38.37	48.21	48.32	62.62	62.76	68.88	69.15
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	38.36		48.30		62.74		69.30	
BW	80MHz		90MHz		100MHz			
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Middle CH	82.04	82.11	91.83	91.95	101.66	101.56		
Mod.	16QAM		16QAM		16QAM			
Middle CH	82.06		91.72		101.33			

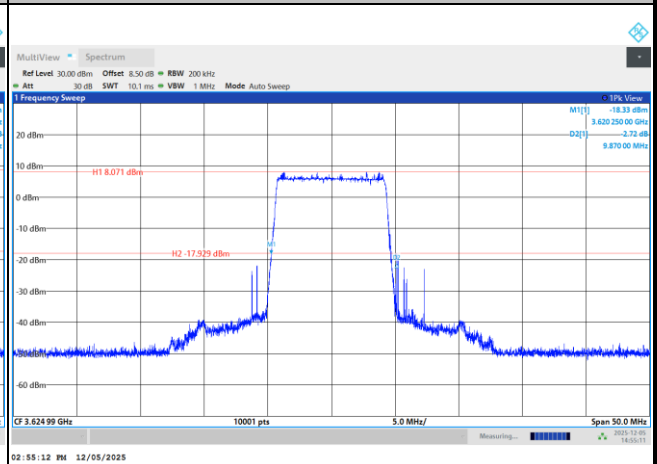


FR1 n48 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

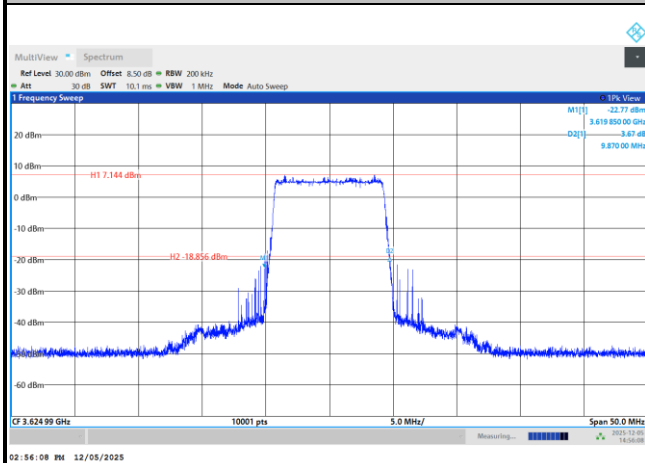
PI/2 BPSK



QPSK



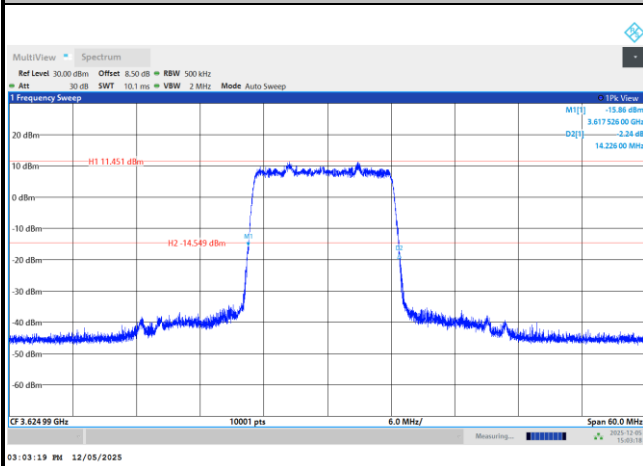
16QAM



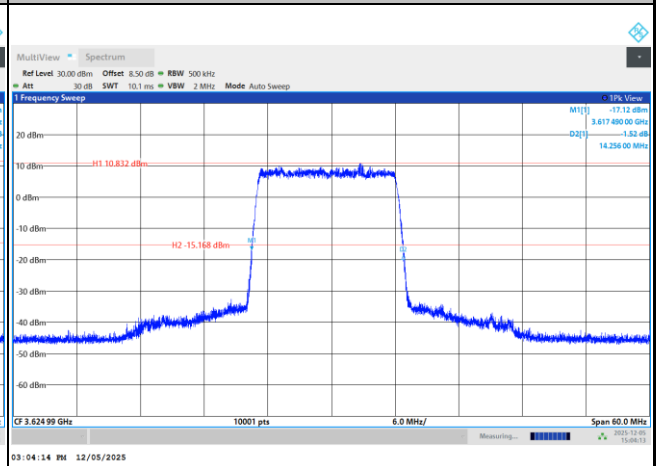


FR1 n48 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

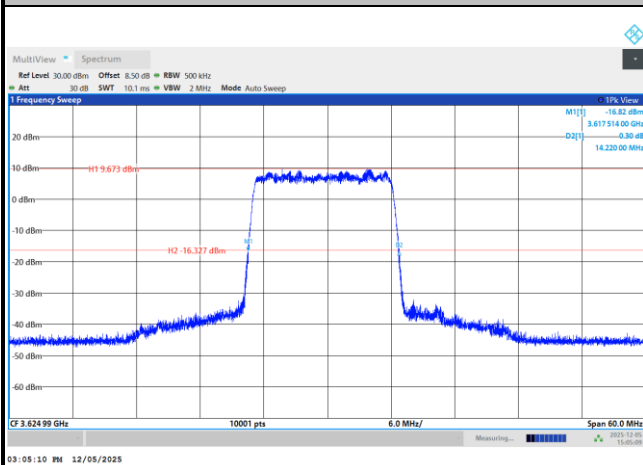
QPSK



QPSK



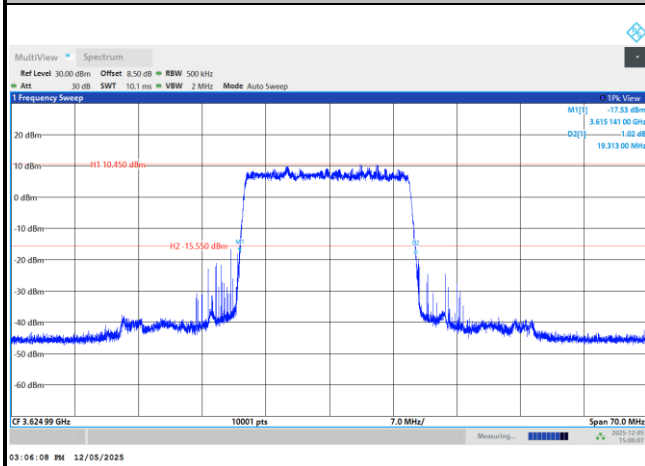
16QAM



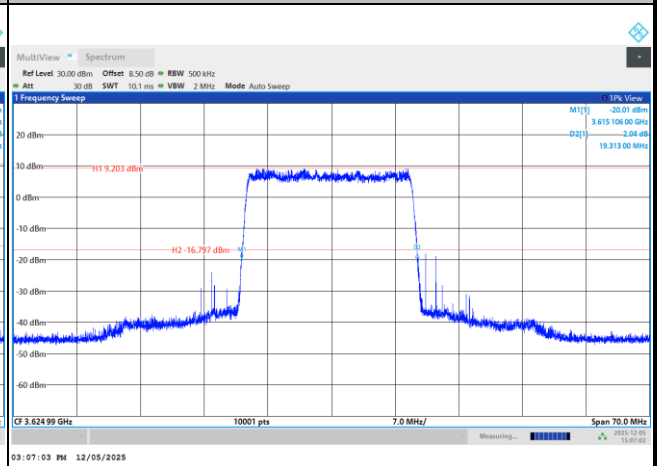


FR1 n48 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

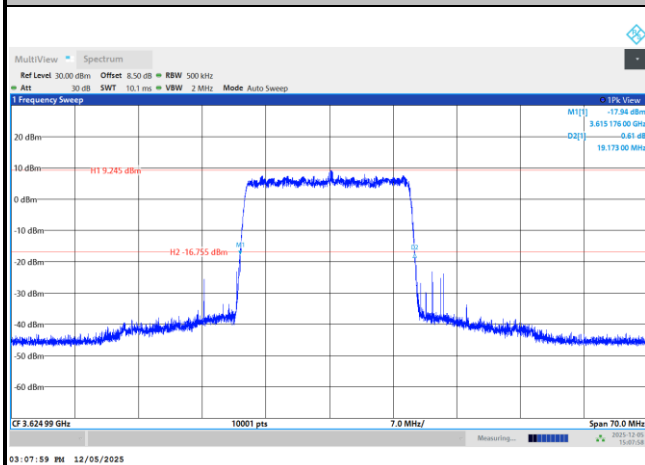
PI/2 BPSK



QPSK



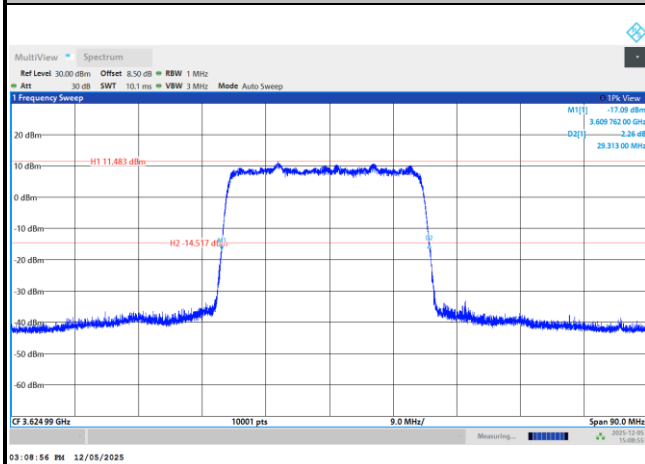
16QAM



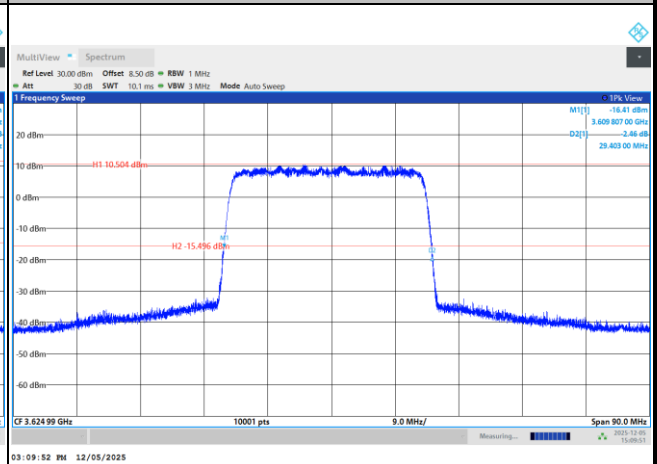


FR1 n48 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

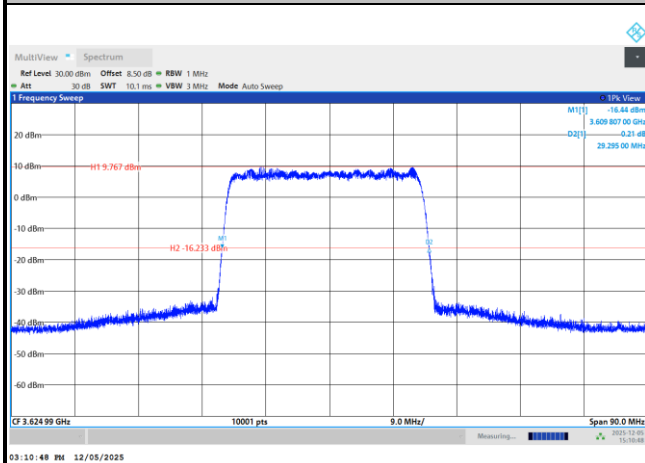
PI/2 BPSK



QPSK

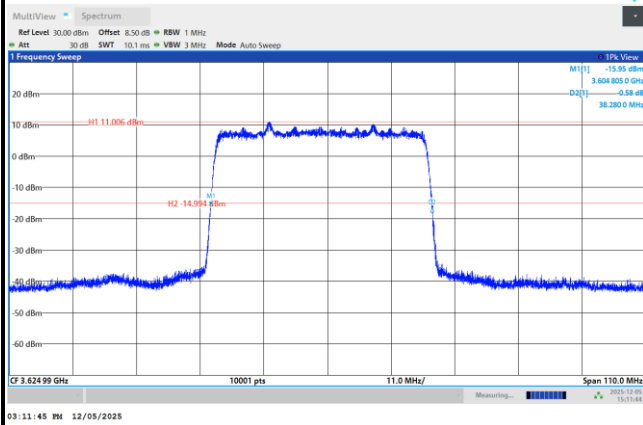


16QAM

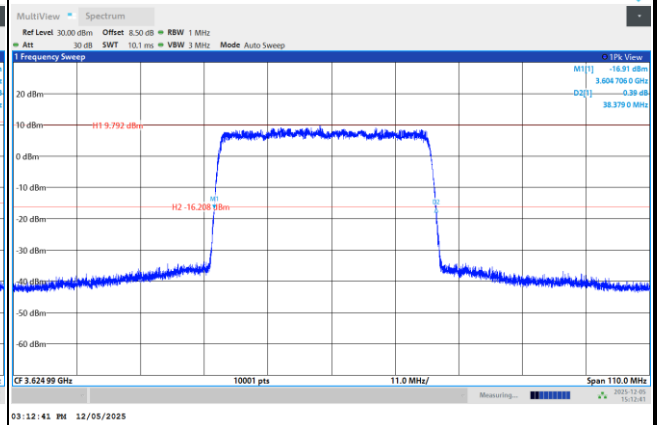




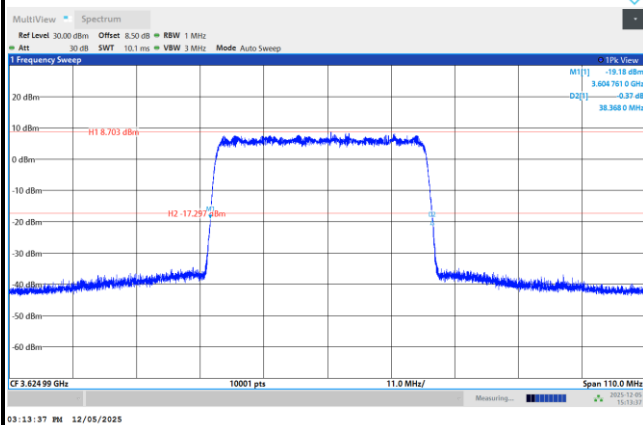
FR1 n48 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



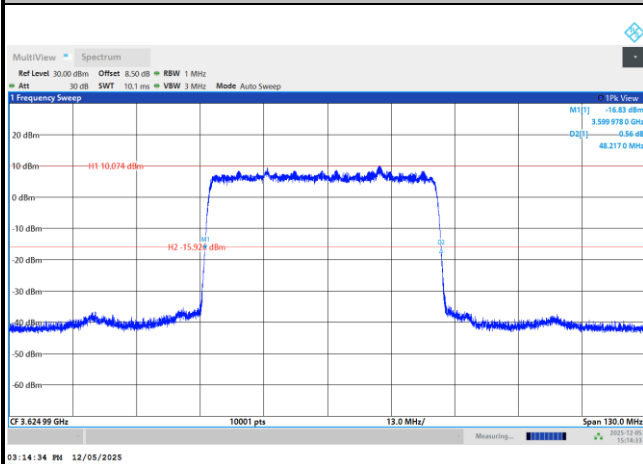
16QAM



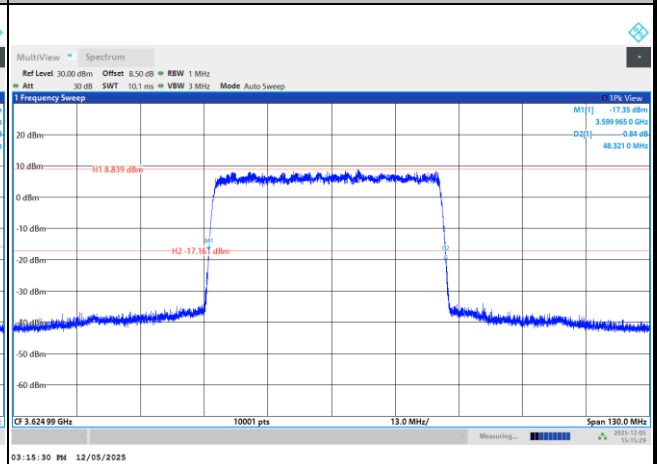


FR1 n48 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

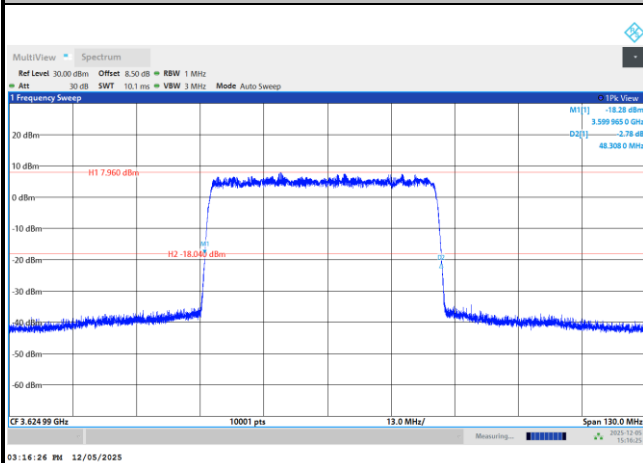
PI/2 BPSK



QPSK



16QAM

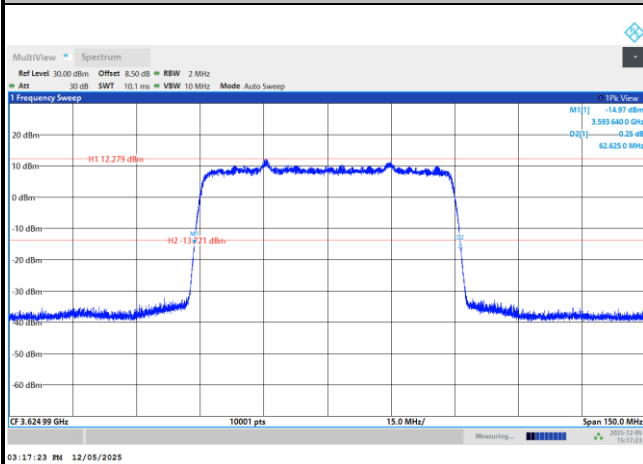




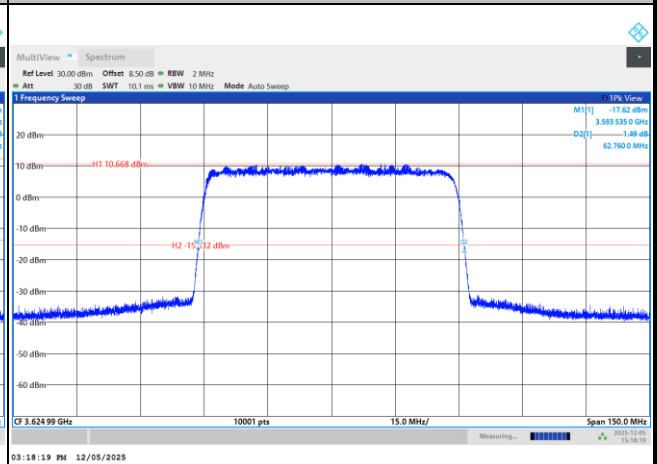
Report No. : FG591004-02G

FR1 n48 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

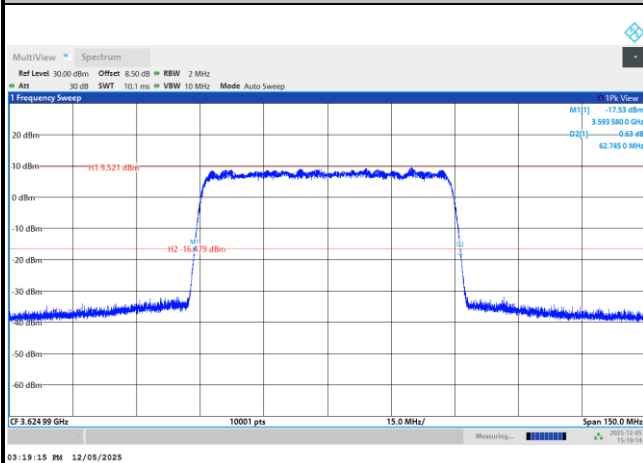
PI/2 BPSK



QPSK



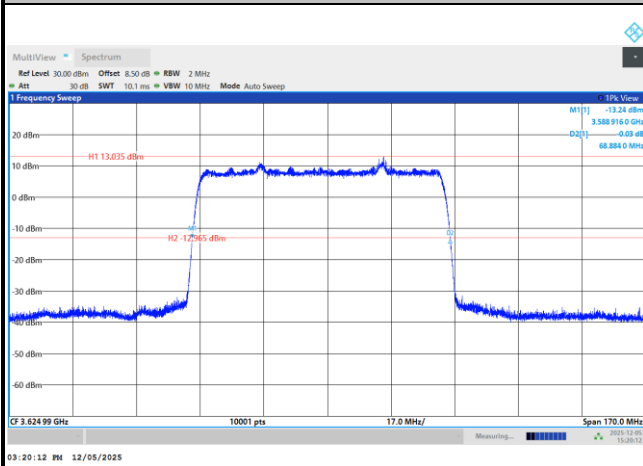
16QAM



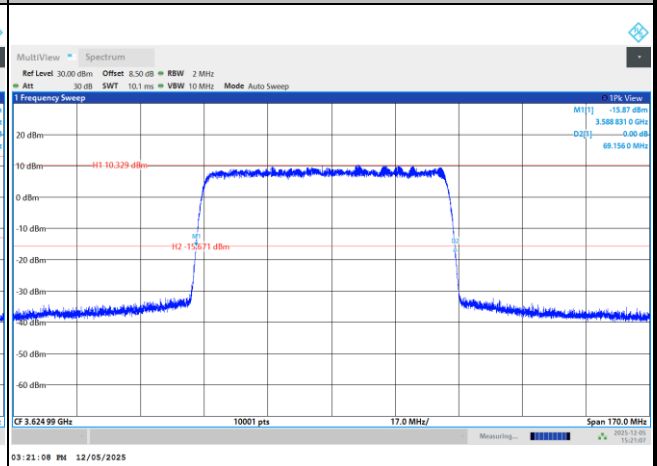


FR1 n48 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

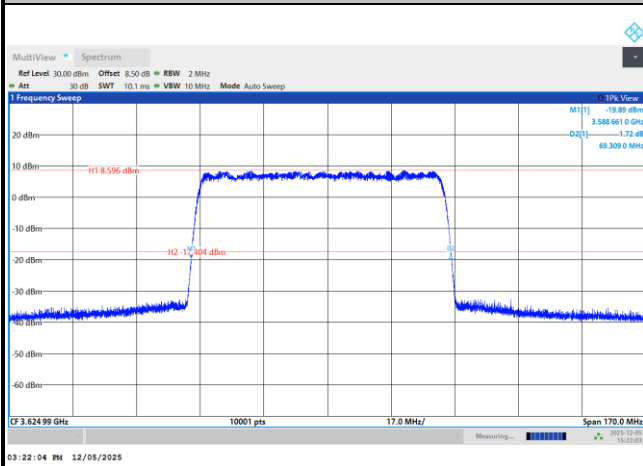
PI/2 BPSK



QPSK



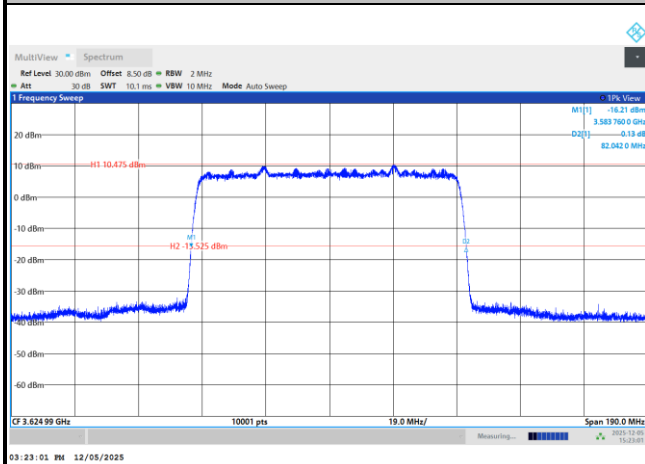
16QAM



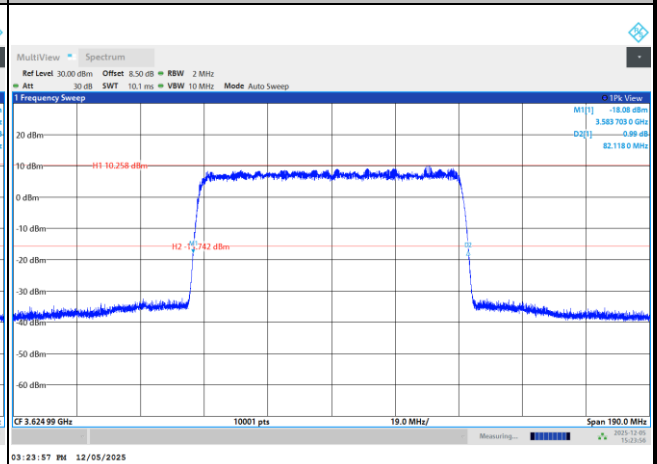


FR1 n48 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

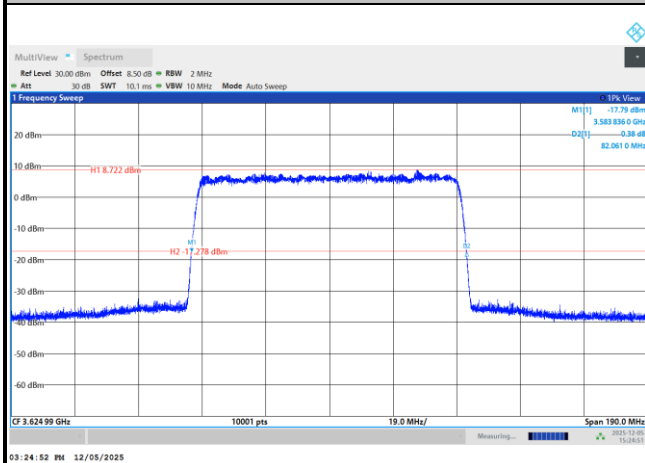
PI/2 BPSK



QPSK



16QAM

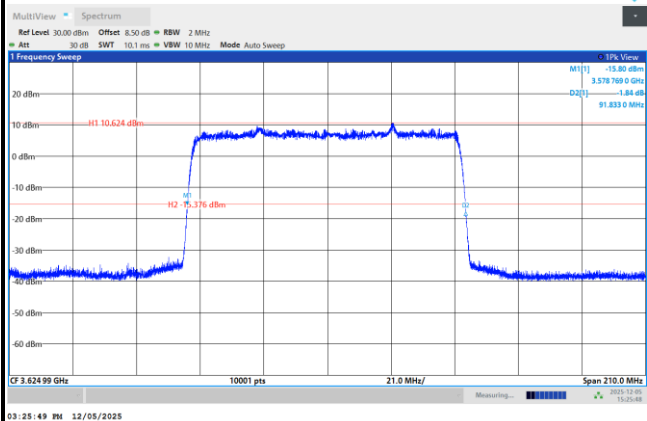




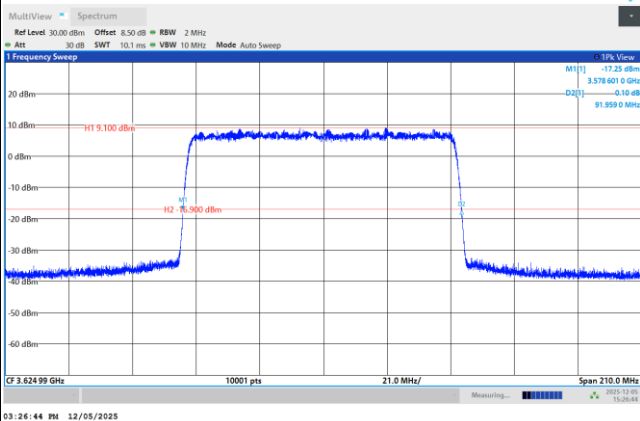
Report No. : FG591004-02G

FR1 n48 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

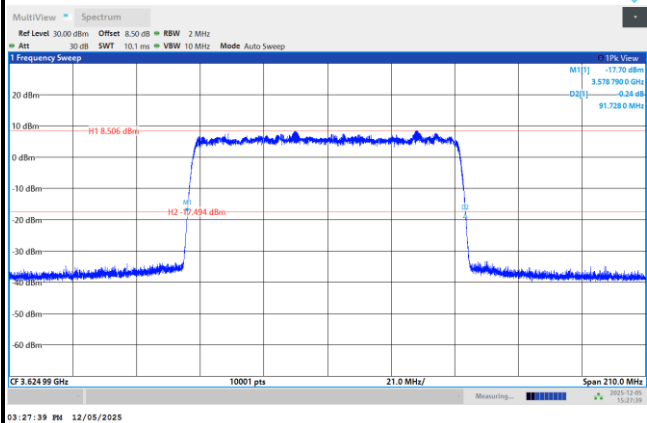
PI/2 BPSK



QPSK



16QAM

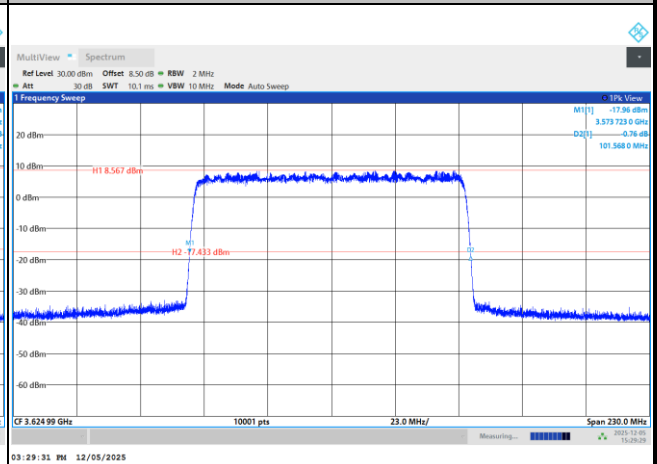
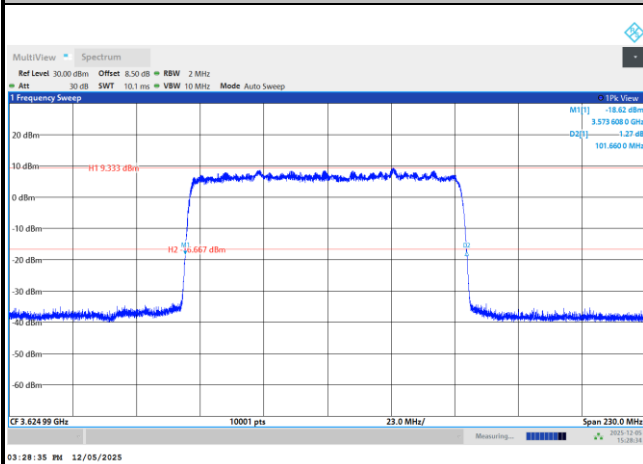




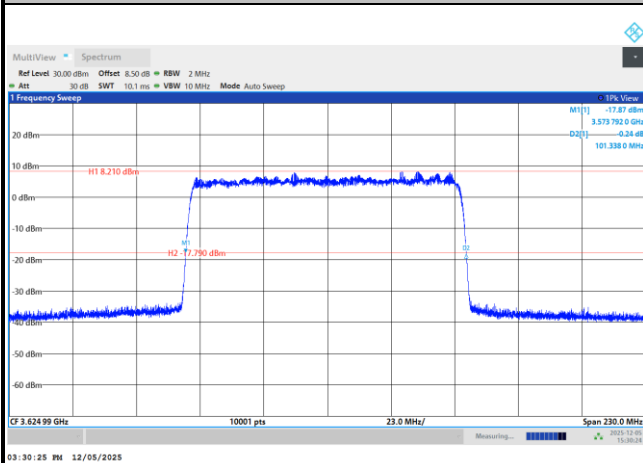
FR1 n48 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



16QAM



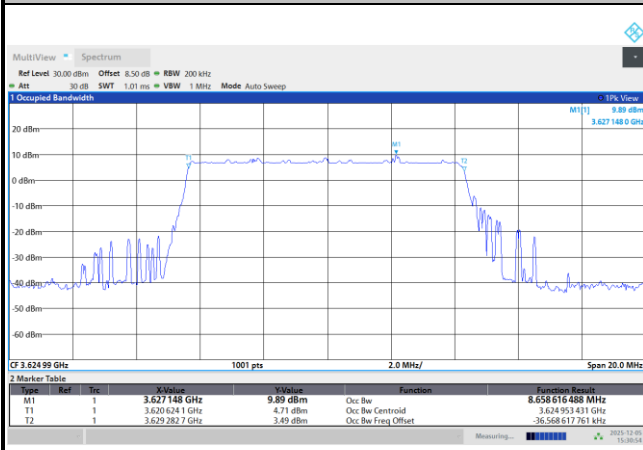
**Occupied Bandwidth**

Mode	FR1 n48 : 99%OBW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz		20MHz		30MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	8.65	8.61	13.07	13.08	18.03	18.00	27.18	27.07
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	8.60		13.06		17.98		27.08	
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	36.04	35.96	45.81	45.95	58.54	58.42	64.87	64.52
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	35.87		45.75		58.25		64.66	
BW	80MHz		90MHz		100MHz			
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Middle CH	77.46	77.38	87.13	87.01	96.59	96.48		
Mod.	16QAM		16QAM		16QAM			
Middle CH	77.37		86.90		96.31			



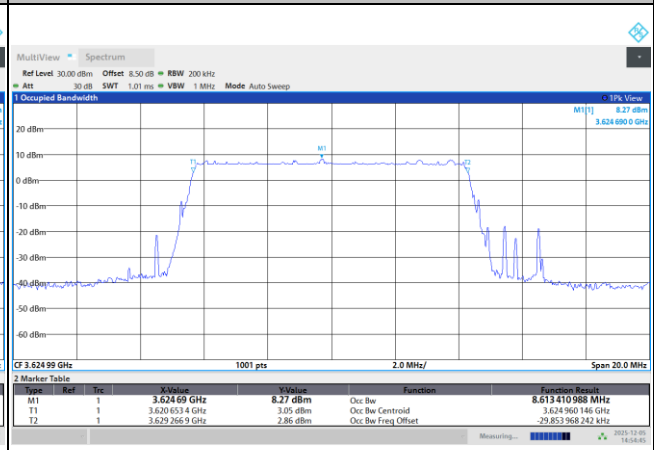
FR1 n48 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



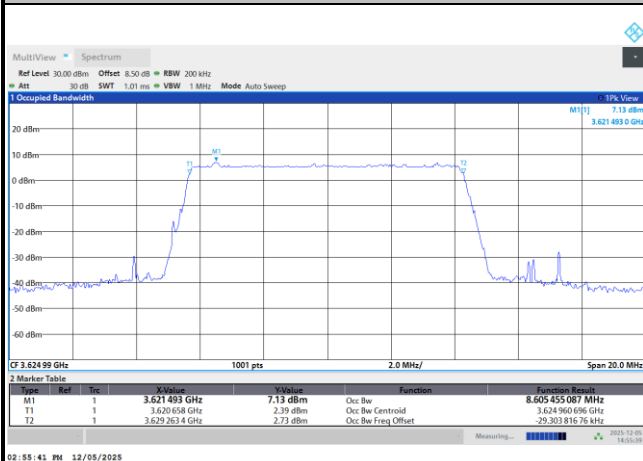
03:30:55 PM 12/05/2025

QPSK



02:54:45 PM 12/05/2025

16QAM

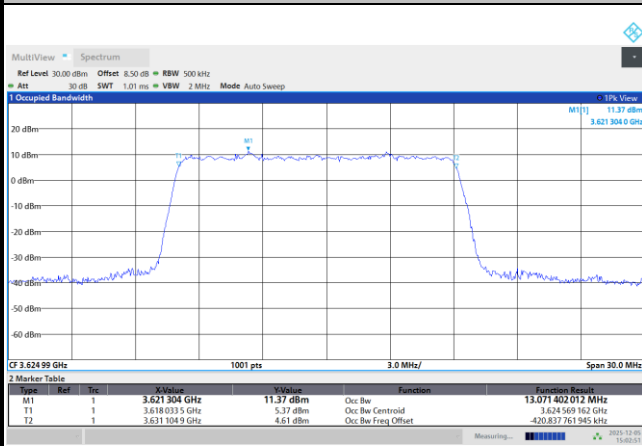


02:55:41 PM 12/05/2025

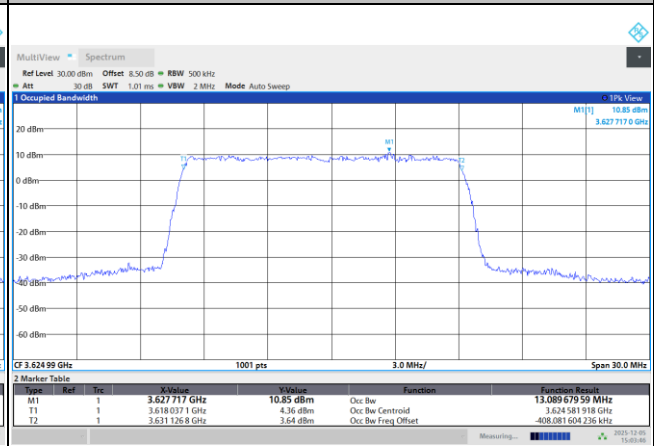


FR1 n48 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

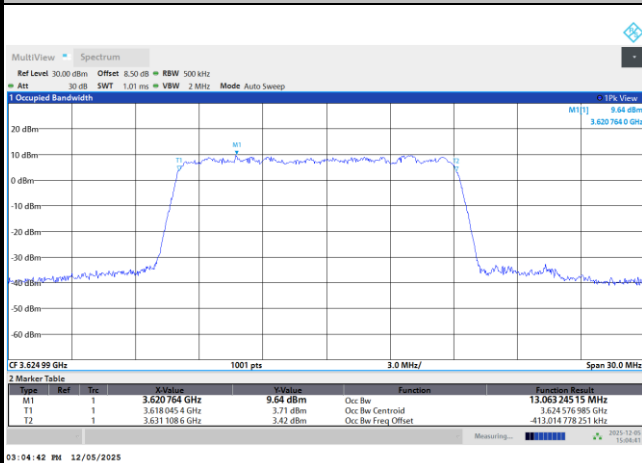
QPSK



QPSK



16QAM

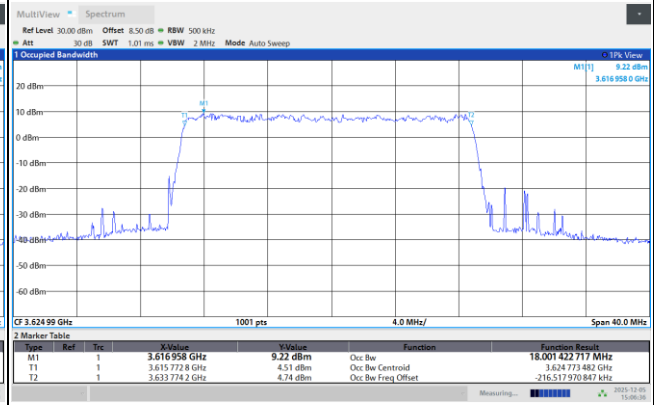
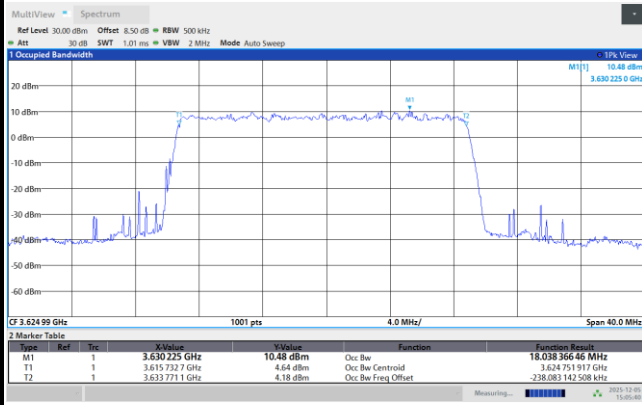




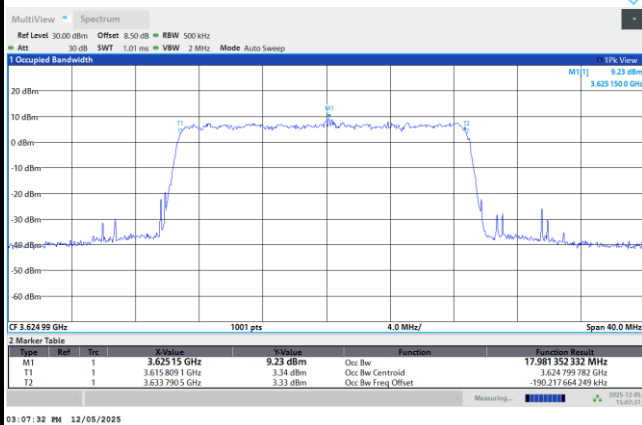
FR1 n48 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



16QAM

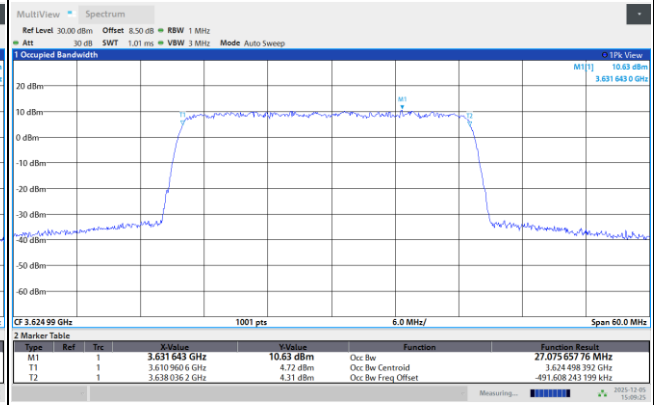
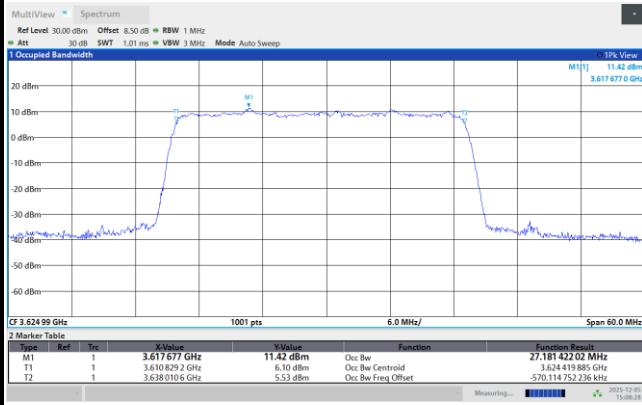




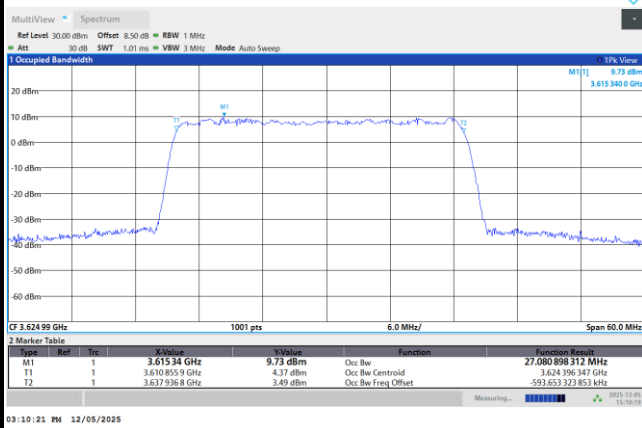
FR1 n48 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



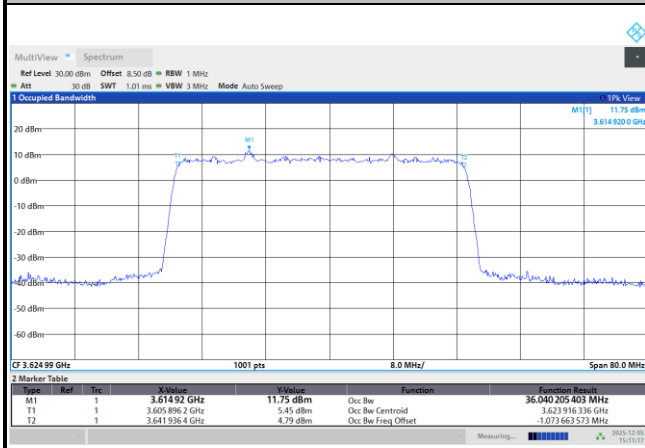
16QAM



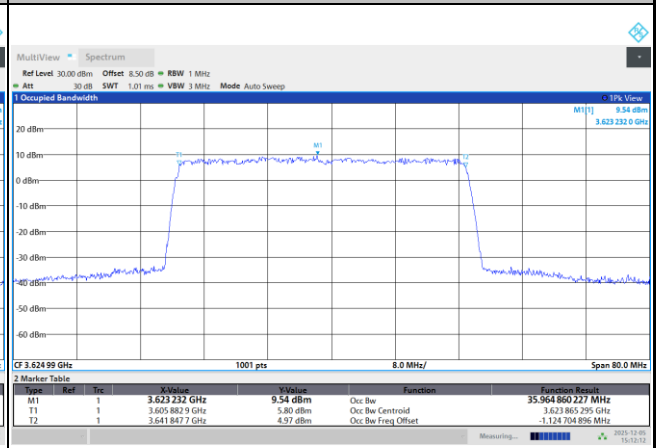


FR1 n48 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

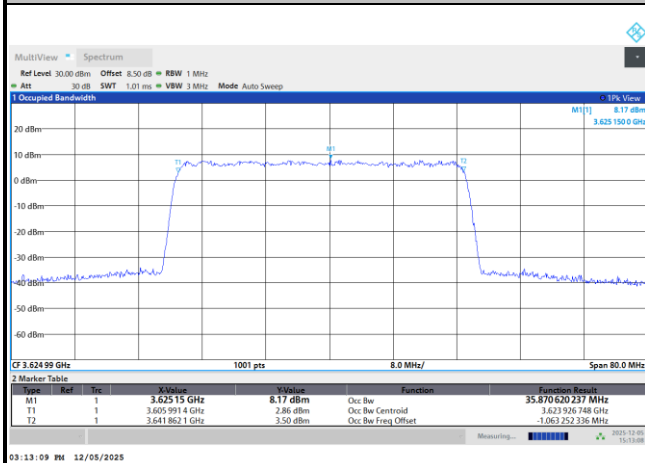
PI/2 BPSK



QPSK



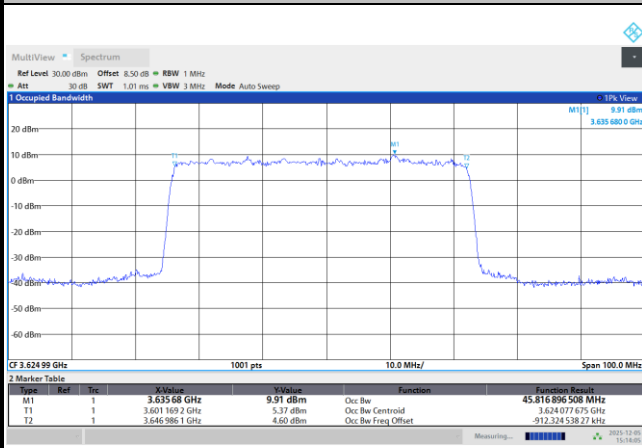
16QAM





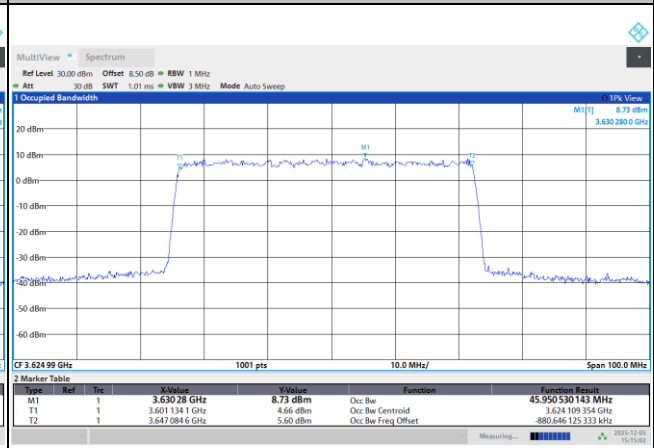
FR1 n48 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



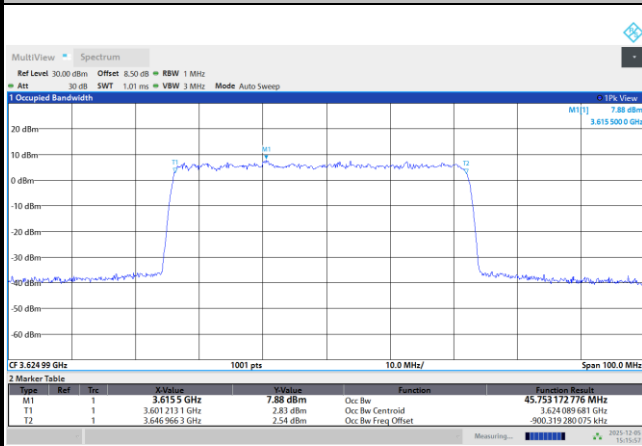
03:14:06 PM 12/05/2023

QPSK



03:15:02 PM 12/05/2023

16QAM

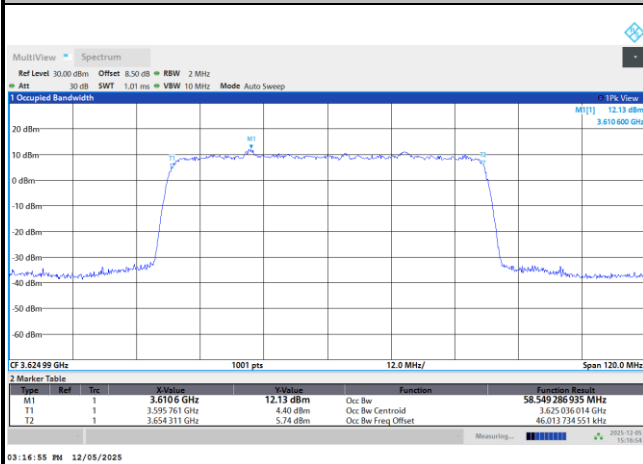


03:15:18 PM 12/05/2023

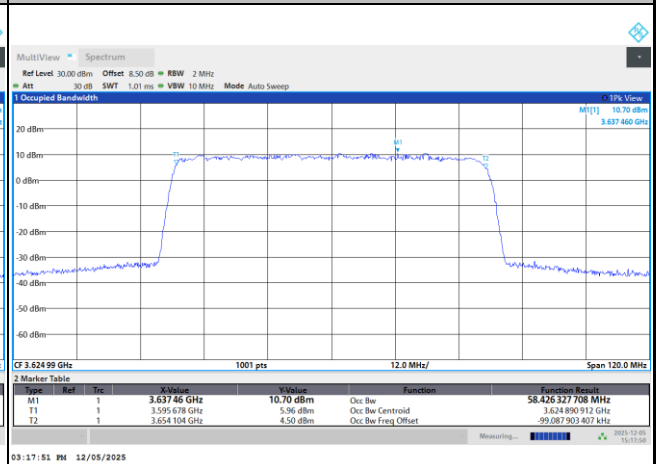


FR1 n48 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

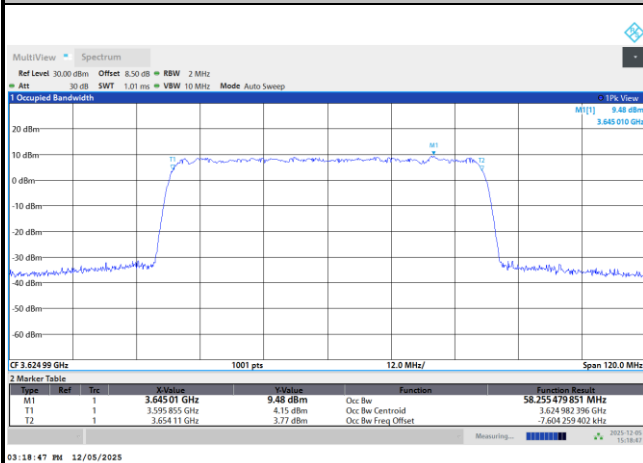
PI/2 BPSK



QPSK



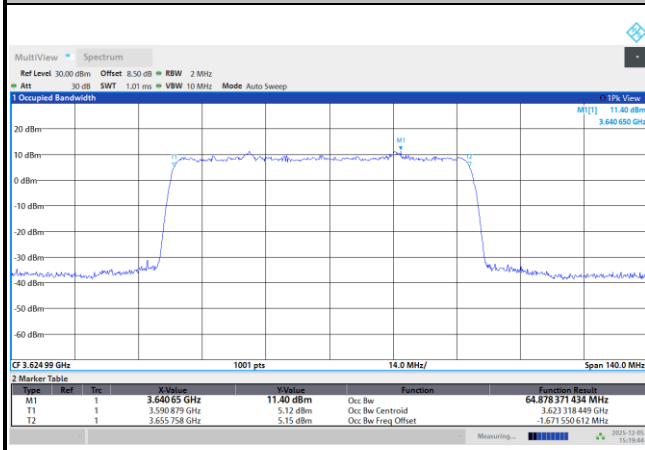
16QAM





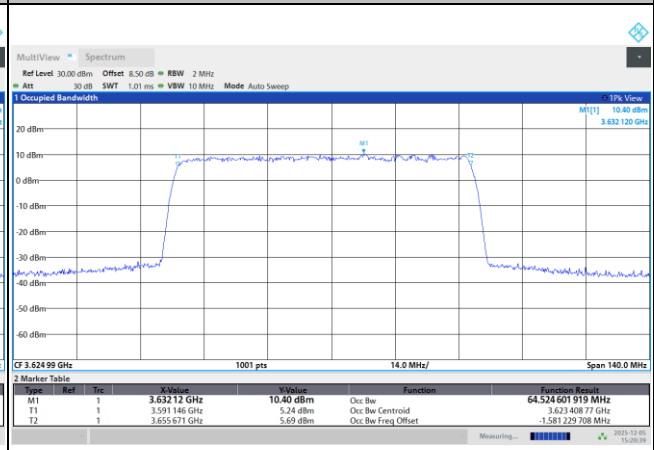
FR1 n48 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



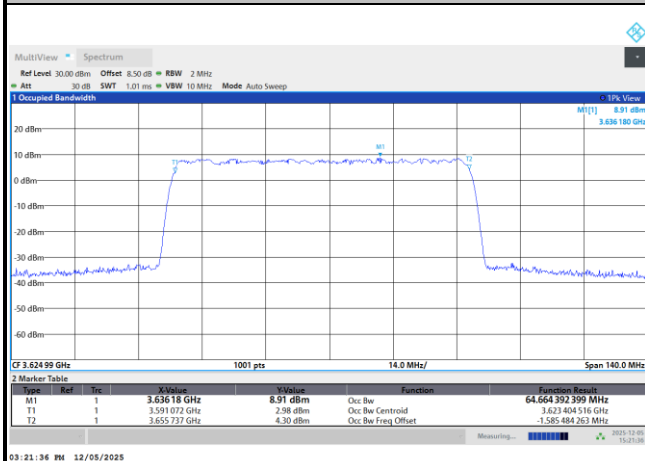
03:19:44 PM 12/05/2025

QPSK



03:20:40 PM 12/05/2025

16QAM

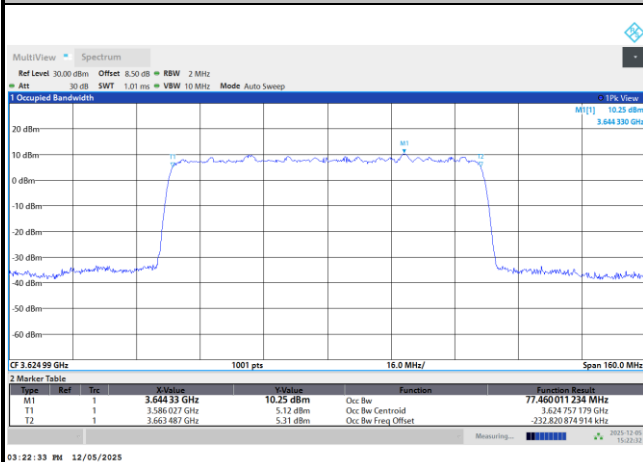


03:21:36 PM 12/05/2025

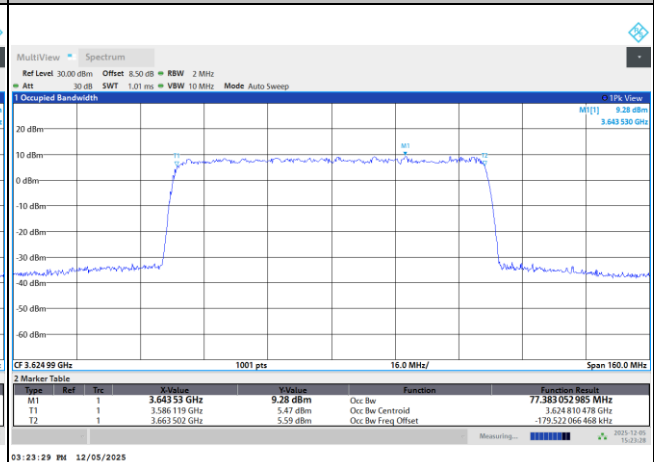


FR1 n48 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

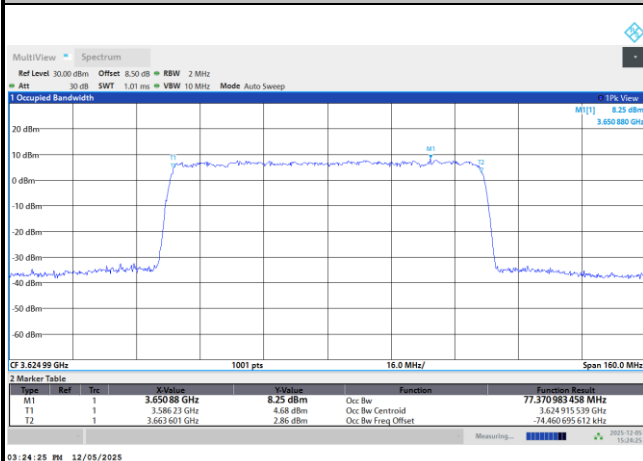
PI/2 BPSK



QPSK



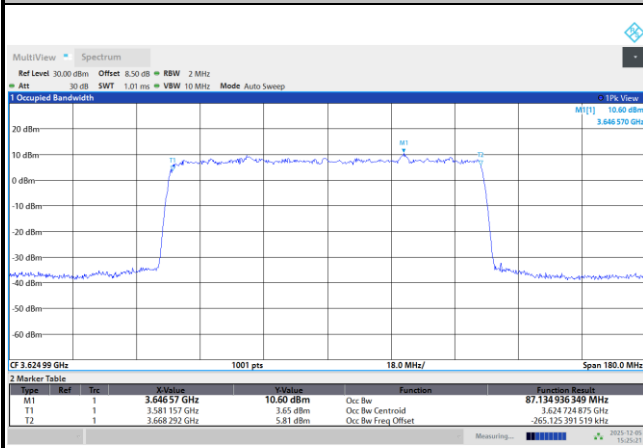
16QAM





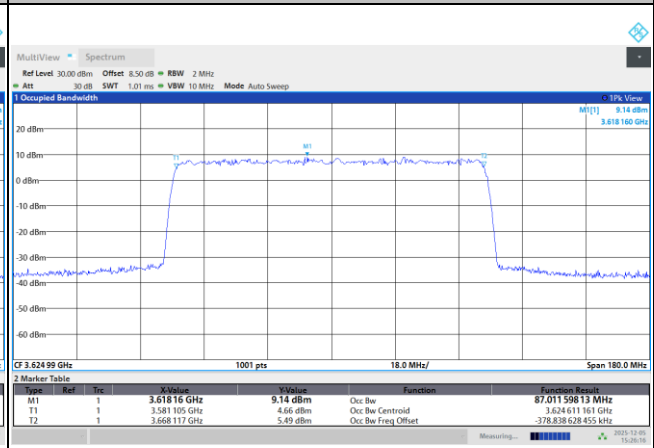
FR1 n48 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



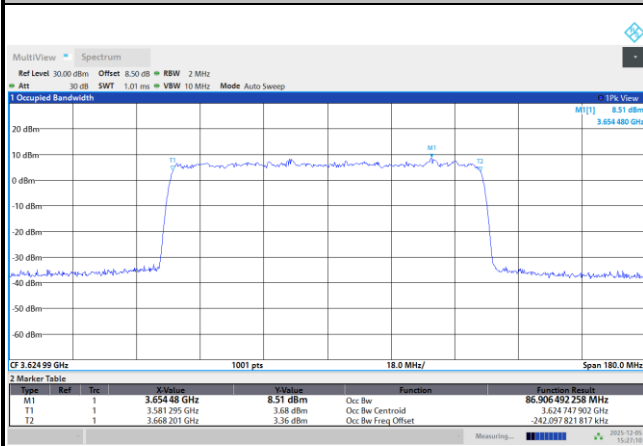
03:25:22 PM 12/05/2025

QPSK



03:26:17 PM 12/05/2025

16QAM



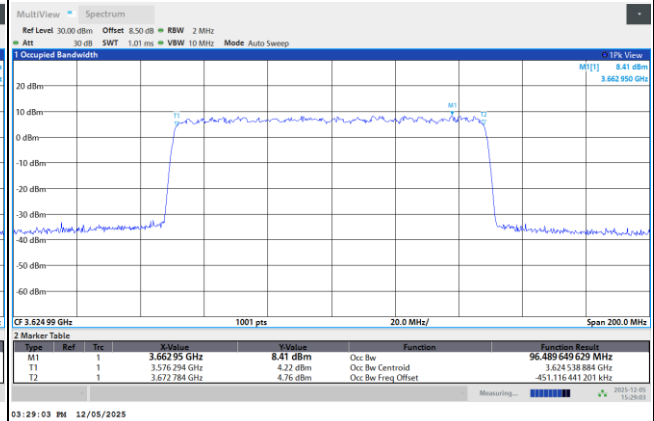
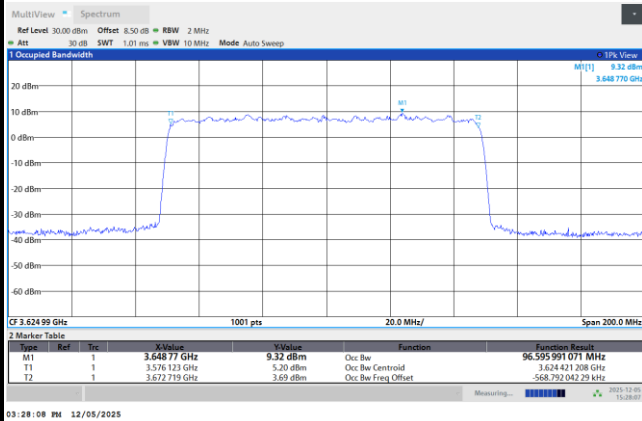
03:27:12 PM 12/05/2025



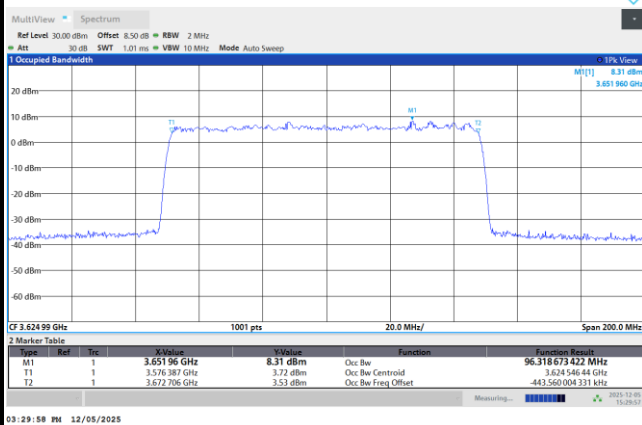
FR1 n48 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



16QAM





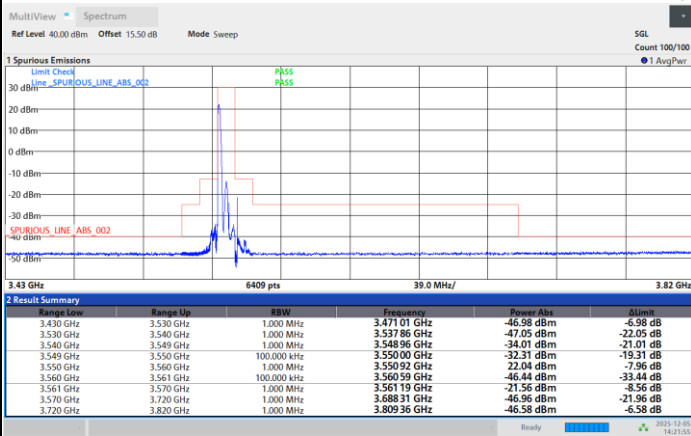
Unwanted Emission (MASK)

FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

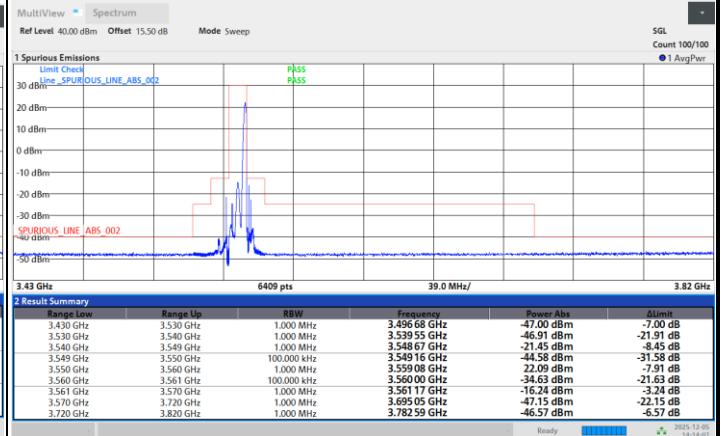
Lowest Channel

1RB0

1RBmax

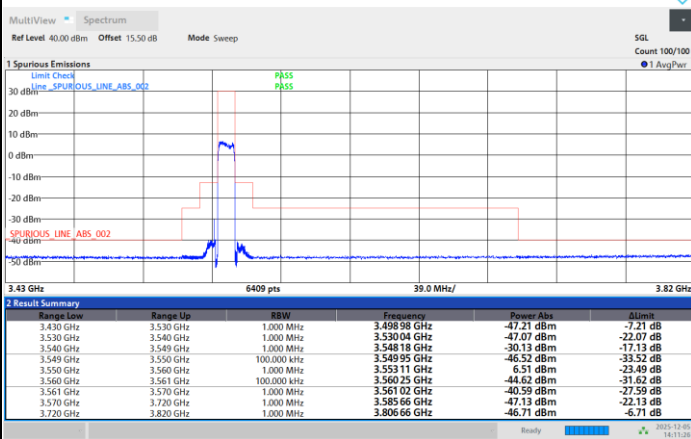


02:21:56 PM 12/05/2025



02:14:08 PM 12/05/2025

Full RB



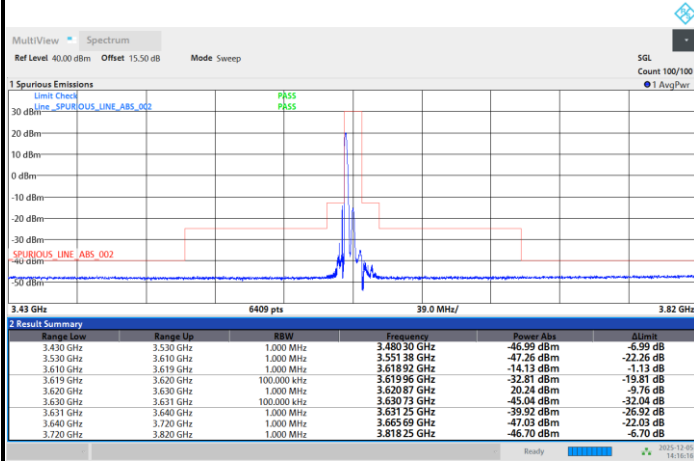
02:11:27 PM 12/05/2025



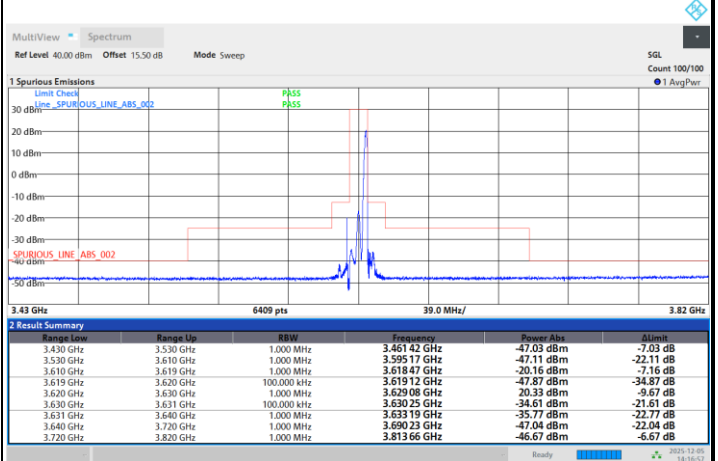
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

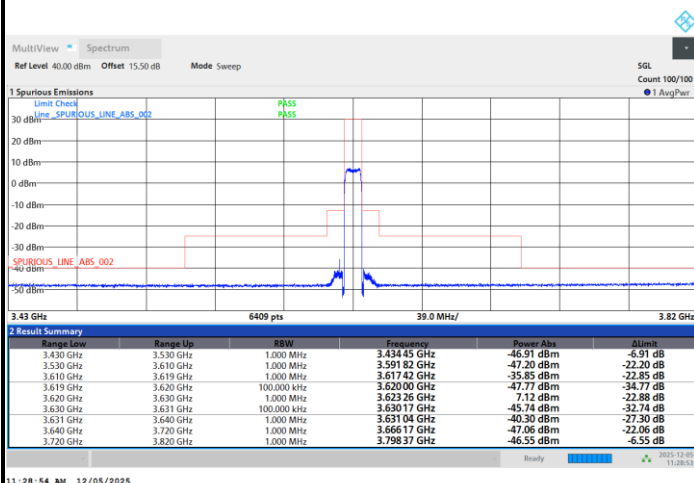
1RB0



1RBmax



Full RB

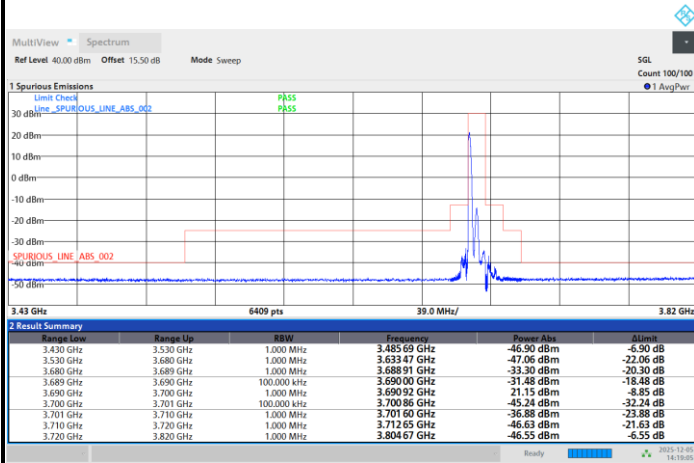




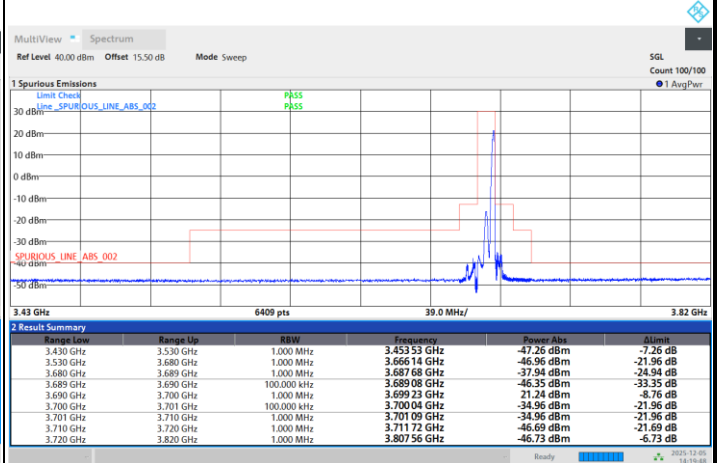
FR1 n48 / 10MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0



1RBmax



Full RB

