



FCC RADIO TEST REPORT

FCC ID : 2AQ68T99W651
Equipment : 5G WWAN Module
Brand Name : Foxconn
Model Name : T99W651
Applicant : Hon Lin Technology Co., Ltd
11F, No.32, Jihu Rd., Neihu Dist., Taipei
City 114, Taiwan R.O.C.
Manufacturer : Hon Lin Technology Co., Ltd
11F, No.32, Jihu Rd., Neihu Dist., Taipei
City 114, Taiwan R.O.C.
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27D,
Part 90(R)

The product was received on Mar. 10, 2025 and testing was performed from Mar. 17, 2025 to Apr. 04, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	6
1.1 Product Feature of Equipment Under Test.....	6
1.2 Modification of EUT	6
1.3 Testing Location	7
1.4 Applicable Standards.....	7
2 Test Configuration of Equipment Under Test	8
2.1 Test Mode.....	8
2.2 Connection Diagram of Test System.....	11
2.3 Support Unit used in test configuration and system	11
2.4 Measurement Results Explanation Example.....	11
2.5 Frequency List of Low/Middle/High Channels	12
3 Conducted Test Items.....	16
3.1 Measuring Instruments	16
3.2 Conducted Output Power and ERP/EIRP	17
3.3 Peak-to-Average Ratio	18
3.4 Occupied Bandwidth.....	19
3.5 Conducted Band Edge	20
3.6 Emission Mask.....	22
3.7 Conducted Spurious Emission	23
3.8 Frequency Stability	24
4 Radiated Test Items	25
4.1 Measuring Instruments	25
4.2 Radiated Spurious Emission Measurement	27
5 List of Measuring Equipment.....	28
6 Measurement Uncertainty	29
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FG522653B	01	Initial issue of report	Apr. 11, 2025
FG522653B	02	Revise Appendix A and section 3.2 This report is an updated version, replacing the report issued on Apr. 11, 2025	Apr. 15, 2025



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5)	Effective Radiated Power (n5)	Pass	
	§24.232 (c)	Equivalent Isotropic Radiated Power (n2)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
	§27.50 (a)(2)	Equivalent Isotropic Radiated Power (n30)		
	§90.542 (a)(7)	Effective Radiated Power (n14)		
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (n77)		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (n77)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (h)	Conducted Band Edge Measurement (n2) (n5) (n66)	Pass	-
	§2.1051 §27.53 (a)(3)	Conducted Band Edge Measurement (n30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (n14)		
	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measurement (n77)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77)		
3.6	§2.1051 §90.210 (n)	Emission Mask (n14)	Pass	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.7	§2.1051 §22.917 (a) §24.238 (a) §27.53 (h)	Conducted Spurious Emission (n2) (n5) (n66)	Pass	-
	§2.1051 §27.53 (a)(3)	Conducted Spurious Emission (n30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (n14)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77)		
3.8	§2.1055 §22.355 §24.235 §27.54 §90.539 (e)	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Radiated Spurious Emission (n2) (n5) (n66)	Pass	-
	§2.1053 §27.53 (a)(3)	Radiated Spurious Emission (n30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (n14)		
	§2.1053 §27.53 (l)(2)	Radiated Spurious Emission (n77)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77)		

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: Lucy Wu**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	LTE/5G NR.
Antenna Type	PCB Antenna

Support band and evaluated information	
Supported band	n2, n5, n14, n30, n66, n77
Evaluated and Tested band	n2, n5, n14, n30, n66, n77

Remark: For 5G NR n30, only available for fixed customer premises equipment(CPE) stations as declared by manufacturer.

FDD/TDD band Power Class					
	SISO PC3	SISO PC2	MIMO PC3	MIMO PC2	MIMO PC1.5
n2	V				
n5	V				
n14	V				
n30	V				
n66	V				
n77	V	V	V	V	V

RF Exposure Max Antenna Gain(dBi)								
Band	Ant0	Ant1	Ant4	Ant5	Main Ant.	ENDC Ant.	MIMO Ant.	SRS Ant.
n2	8.5	8.5			1	0	-	-
n5		6.6			1		-	-
n14		6.4			1		-	-
n30	8.5				0		-	-
n66	5.5	5.5			1	0	-	-
n77(PC3)	5.5	5.5	5.5	5.5	1	0	1&0	0&4&5
n77(PC2)	2.5	2.5	2.5	2.5	1	0	1&0	0&4&5
n77(PC1.5)	1	1	1	1	1	0	1&0	0&4&5

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

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	Mike Yeh
Temperature (°C)	21.2~24.5
Relative Humidity (%)	48.2~55.5

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. 03CH15-HY (TAF Code: 3786)
Test Engineer	Sam Pan, Quentin Liu and Bigshow Wang
Temperature (°C)	18~23
Relative Humidity (%)	50~65
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, 22(H), 24(E), 27D, Part 90(R)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. 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) or two antenna degrees (Ant. degrees 0 and Ant. degrees 90), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

<SISO Mode>

Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
ERP/EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E	20 MHz or less	Outer_Full	M
Bandwidth	A, F, G, H, I	All	Outer_Full	M
CBE, Mask (Part 90)	A, B, C, D, E, F	All	Outer_1RB Outer_Full	L, M, H
CSE	B	Minimum	Inner_1RB	L, M, H
Frequency Stability	A	20 MHz or less	Outer_Full	M
RSE	A	Maximum or less	Inner_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& frequency stability.
4. Device 5G NR support SA & NSA Mode, are verified and the worst case is SA mode. Therefore, the report only performed SA test results.
5. For 5G NR n2/n66 support SISO Mode Antenna 1 (Main Ant.) and Antenna 0 (ENDC Ant.), Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 1. Therefore, the report only performed Antenna 1 test results.
6. For 5G NR n77 support SISO Mode Antenna 1 (Main Ant.) and Antenna 0/4/5 (SRS Ant.), Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 1. Therefore, the report only performed Antenna 1 test results.
7. For 5G NR n77 support PC2 & PC3, The PC2 & PC3 have the same modulation, EIRP power and BW. Therefore, the report only performed Higher Conducted power (PC2) test results.
8. For 5G NR all band SISO Mode support support CP-OFDM & DFT-s-OFDM. Therefore, the report only performed Higher Conducted power (DFT-s-OFDM) test results.
9. For 5G NR n30, only available for fixed customer premises equipment (CPE) stations was declared and EIPR < 2W / 5MHz by manufacturer.



<MIMO Mode>

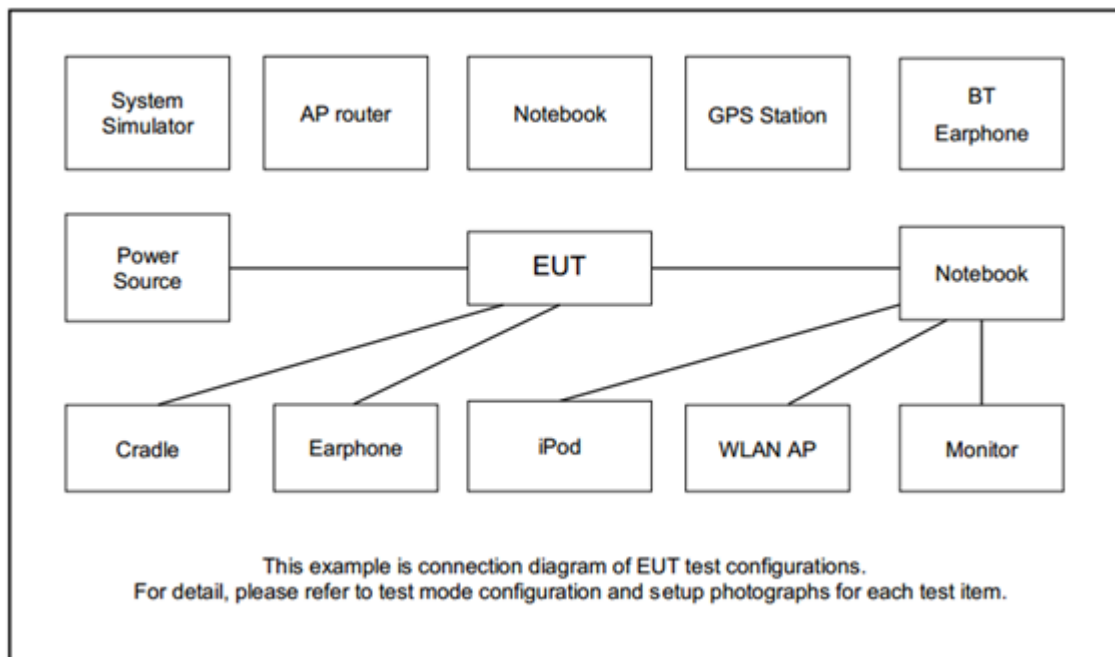
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

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 or less	Outer_Full	M
Bandwidth	A, F, G, H, I	All	Outer_Full	M
CBE,	A, B, C, D, E, F	All	Outer_1RB Outer_Full	L, H
CSE	B	Minimum	Inner_1RB	L, M, H
Frequency Stability	A	20 MHz or less	Outer_Full	M
RSE	A	Maximum or less	Inner_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& frequency stability.
4. For 5G NR n77 support MIMO Mode Antenna 1+0 (Main Ant.) and Antenna 0+5 & 4+1 & 4+5 (SRS Ant.); Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 1+0. Therefore, the report only performed Antenna 1+0 test results.
5. For 5G NR n77 support PC2 & PC3 & PC1.5, have the same modulation, EIRP power and BW. Therefore, the report only performed Higher Conducted power (PC1.5) test results.
6. For 5G NR n77 MIMO Mode Modulation support CP-OFDM & DFT-s-OFDM. Therefore, the report only performed Higher Conducted power (DFT-s-OFDM) test results.

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.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	5G Wireless Test Platform	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8m
3.	Fixture	Foxconn	95.3446T00	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 :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	374000	376000	376578
	Frequency	1870	1880	1890
35	Channel	373500	376000	378500
	Frequency	1867.5	1880	1892.5
30	Channel	373000	376000	379000
	Frequency	1865	1880	1895
25	Channel	372500	376000	379500
	Frequency	1862.5	1880	1897.5
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5



5G NR n14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	158600	-
	Frequency	-	793	-
5	Channel	158100	158600	159100
	Frequency	790.5	793	795.5

5G NR n30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5

5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
45	Channel	346500	349000	351500
	Frequency	1732.5	1745.0	1757.5
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
35	Channel	345500	349000	352500
	Frequency	1727.5	1745	1762.5
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
25	Channel	344500	349000	353500
	Frequency	1722.5	1745	1767.5
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5



5G NR Band n77 (Part270) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3965
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



5G NR Band n77 (Part27Q) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

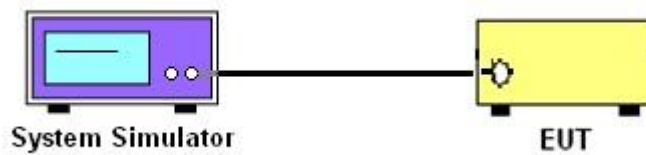
3 Conducted Test Items

3.1 Measuring Instruments

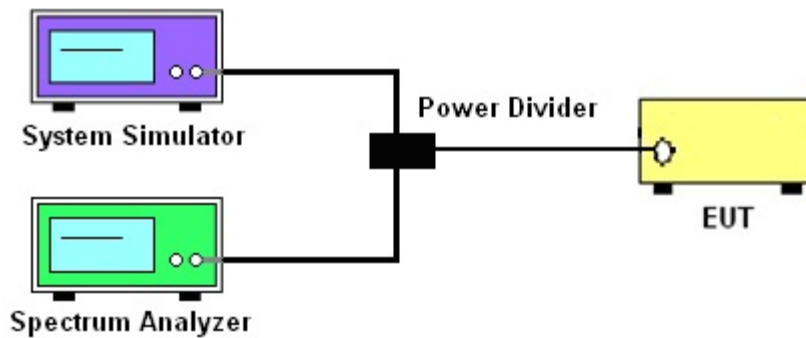
See list of measuring instruments of this test report.

3.1.1 Test Setup

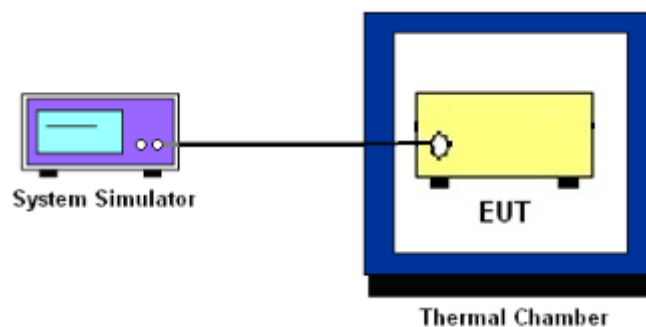
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge, Emission Mask 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 and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP 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.

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n14

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66

The EIRP of fixed customer premises equipment stations must not exceed 2W/5MHz for 5G NR n30

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 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (a)(3)

For fixed customer premises equipment (CPE) stations operating in the 2305-2320 MHz band and the 2345-2360 MHz band transmitting with with 2 watts per 5 megahertz average EIRP or less:

(i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz.

(ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz.

(iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

90.543(e)

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
8. For MIMO mode, add additional MIMO factor $10\log(NTX=2) = 3.01$ dB into the spectrum analyzer offset.



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For 5G NR n14

Transmitters designed must meet the emission mask comply with the emission mask provisions of FCC Part 90.210(n).

3.6.2 Test Procedures

For 5G NR n14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The power of the modulated signal was measured on a spectrum analyzer using an RMS and 10 second sweep time in order to maximize the level.
3. 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

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For 5G NR n30

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $70 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

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 conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
For 5G NR n30
The limit line is derived from $70 + 10\log(P)$ dB below the transmitter power P(Watts)
9. For MIMO mode, add additional MIMO factor $10\log(NTX=2) = 3.01$ dB into the spectrum analyzer offset.



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

The frequency stability shall be sufficient 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 $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

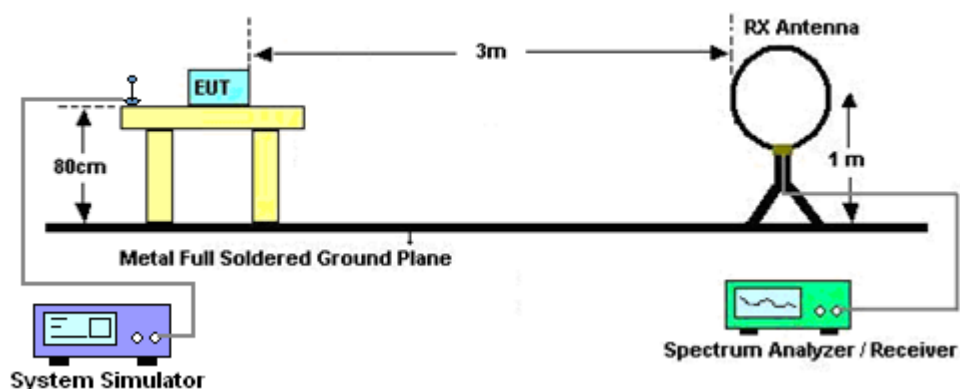
4 Radiated Test Items

4.1 Measuring Instruments

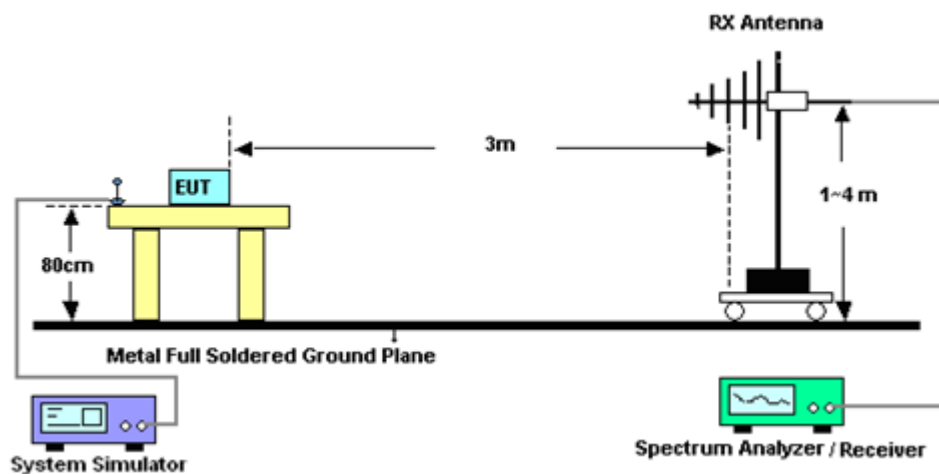
See list of measuring instruments of this test report.

4.1.1 Test Setup

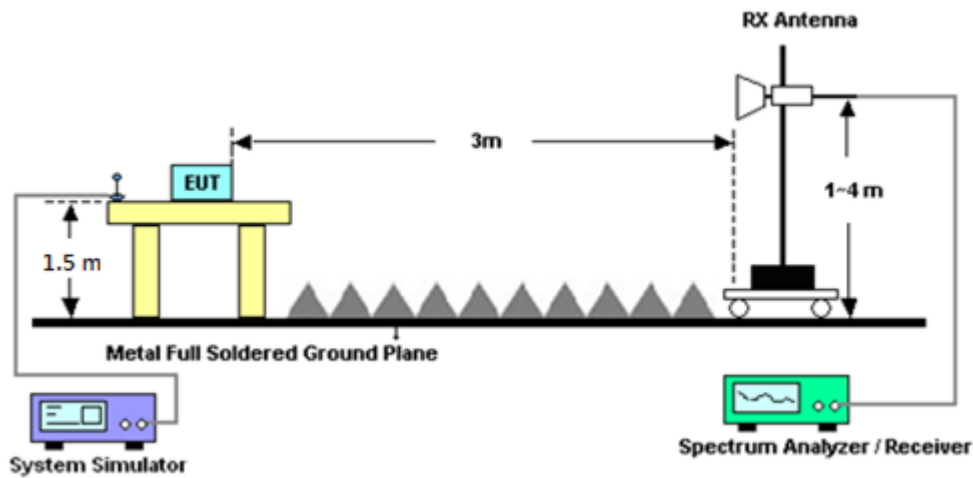
For radiated test below 30MHz



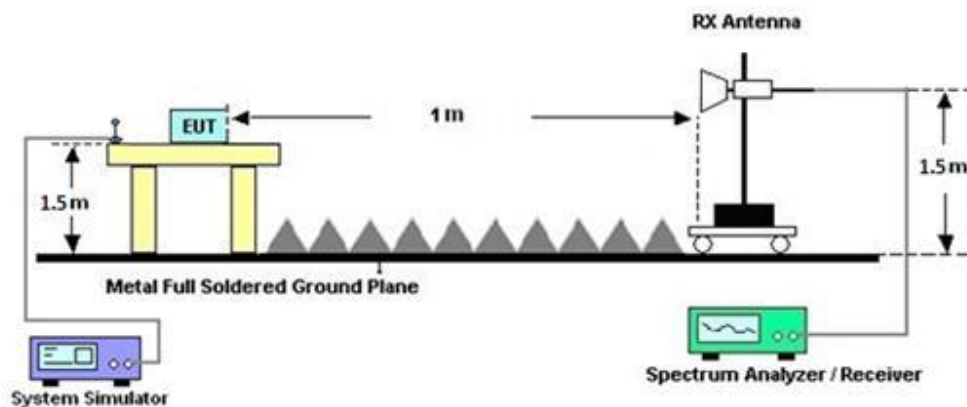
For radiated test from 30MHz to 1GHz



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 $43 + 10 \log (P)$ dB

For 5G NR n30

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 $70 + 10 \log (P)$ dB.

For 5G NR n14

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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.



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	100488	9 kHz~30 MHz	Aug. 29, 2024	Mar. 28, 2025~ Apr. 04, 2025	Aug. 28, 2025	Radiation (03CH15-HY)
Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Mar. 01, 2025	Mar. 28, 2025~ Apr. 04, 2025	Feb. 28, 2026	Radiation (03CH15-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 20, 2024	Mar. 28, 2025~ Apr. 04, 2025	Jun. 19, 2025	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	1230	18GHz~40GHz	Oct. 25, 2024	Mar. 28, 2025~ Apr. 04, 2025	Oct. 24, 2025	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 13, 2025	Mar. 28, 2025~ Apr. 04, 2025	Feb. 12, 2026	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 14, 2025	Mar. 28, 2025~ Apr. 04, 2025	Feb. 13, 2026	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Mar. 28, 2025~ Apr. 04, 2025	May 26, 2025	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 11, 2024	Mar. 28, 2025~ Apr. 04, 2025	Jul. 10, 2025	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 28, 2025~ Apr. 04, 2025	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 28, 2025~ Apr. 04, 2025	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	Mar. 28, 2025~ Apr. 04, 2025	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,80 3950/2	N/A	Jun. 11, 2024	Mar. 28, 2025~ Apr. 04, 2025	Jun. 10, 2025	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Dec. 31, 2024	Mar. 28, 2025~ Apr. 04, 2025	Dec. 30, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6 750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 05, 2024	Mar. 28, 2025~ Apr. 04, 2025	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-30 00-18000-60ST	SN4	3GHz High Pass Filter	Jun. 05, 2024	Mar. 28, 2025~ Apr. 04, 2025	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-900-100 0-15000-60SS	SN12	1GHz High Pass Filter	Sep. 10, 2024	Mar. 28, 2025~ Apr. 04, 2025	Sep. 09, 2025	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Aug. 29, 2024	Mar. 28, 2025~ Apr. 04, 2025	Aug. 28, 2025	Radiation (03CH15-HY)
DC Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 07, 2025	Mar. 17, 2025~ Apr. 01, 2025	Feb. 06, 2026	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Oct. 07, 2024	Mar. 17, 2025~ Apr. 01, 2025	Oct. 16, 2025	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101691	10Hz~44GHz	Oct. 02, 2024	Mar. 17, 2025~ Apr. 01, 2025	Oct. 01, 2025	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20℃ ~85℃	Dec. 10, 2024	Mar. 17, 2025~ Apr. 01, 2025	Dec. 09, 2025	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 03, 2025	Mar. 17, 2025~ Apr. 01, 2025	Mar. 02, 2026	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116725	LTE	Oct. 17, 2024	Mar. 17, 2025~ Apr. 01, 2025	Oct. 16, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 20, 2024	Mar. 17, 2025~ Apr. 01, 2025	Oct. 19, 2025	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jun. 27, 2024	Mar. 17, 2025~ Apr. 01, 2025	Jun. 26, 2025	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Mar. 17, 2025~ Apr. 01, 2025	Jun. 12, 2025	Conducted (TH03-HY)
RF Cable	MVE	MCBL-LL403P.50	E80002C	9KHz~40GHz	Aug. 23, 2024	Mar. 17, 2025~ Apr. 01, 2025	Aug. 22, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_ 202311106	N/A	Conducted Test Item	N/A	Mar. 17, 2025~ Apr. 01, 2025	N/A	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.4 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<SISO Mode>

NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	23.61	23.85	23.63	32.35	1.7179		
5	1	23		23.65	23.82	23.64				
5	12	6		23.54	23.80	23.71				
5	1	0		22.97	23.27	23.01				
5	1	24		23.04	23.27	23.03				
5	25	0		23.02	23.28	23.09				
5	1	1	QPSK	23.48	23.81	23.68				
5	1	23		23.56	23.73	23.62				
5	12	6		23.53	23.81	23.66				
5	1	0		22.47	22.86	22.60				
5	1	24		22.66	22.78	22.61				
5	25	0		22.59	22.79	22.57				
5	1	1	16-QAM	22.54	22.88	22.62	31.38	1.3740		
5	1	1	64-QAM	21.22	21.41	21.31				
5	1	1	256-QAM	18.58	18.83	18.59				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.73	23.81	23.66	32.62	1.8281		
10	1	50		23.81	23.68	23.63				
10	25	12		23.81	24.12	23.70				
10	1	0		23.05	23.35	23.03				
10	1	51		23.18	23.10	23.04				
10	50	0		23.19	23.35	23.13				
10	1	1	QPSK	23.64	23.83	23.63				
10	1	50		23.83	23.63	23.64				
10	25	12		23.78	23.77	23.67				
10	1	0		22.55	22.66	22.59				
10	1	51		22.68	22.61	22.53				
10	50	0		22.69	22.78	22.63				
10	1	1	16-QAM	22.59	22.67	22.53	31.17	1.3092		
10	1	1	64-QAM	21.27	21.39	21.15				
10	1	1	256-QAM	18.59	18.71	18.53				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.66	23.81	23.50	32.31	1.7022		
15	1	77		23.79	23.62	23.51				
15	36	18		23.81	23.76	23.58				
15	1	0		23.07	23.25	22.91				
15	1	78		23.31	23.13	22.96				
15	75	0		23.16	23.15	23.02				
15	1	1	QPSK	23.56	23.79	23.50				
15	1	77		23.79	23.62	23.52				
15	36	18		23.76	23.77	23.51				
15	1	0		22.59	22.74	22.54				
15	1	78		22.85	22.62	22.53				
15	75	0		22.73	22.71	22.54				
15	1	1	16-QAM	22.54	22.72	22.47	31.22	1.3243		
15	1	1	64-QAM	21.20	21.33	21.16				
15	1	1	256-QAM	18.49	18.85	18.52				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.45	23.80	23.74	32.4	1.7378		
20	1	104		23.90	23.73	23.53				
20	50	25		23.80	23.77	23.65				
20	1	0		22.91	23.17	23.01				
20	1	105		23.34	23.05	23.06				
20	100	0		23.26	23.27	23.11				
20	1	1	QPSK	23.47	23.90	23.72				
20	1	104		23.90	23.72	23.61				
20	50	25		23.77	23.83	23.61				
20	1	0		22.48	22.78	22.59				
20	1	105		22.71	22.62	22.60				
20	100	0		22.77	22.84	22.62				
20	1	1	16-QAM	22.46	22.74	22.65	31.24	1.3305		
20	1	1	64-QAM	21.12	21.41	21.28				
20	1	1	256-QAM	18.41	18.74	18.53				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	23.53	24.16	23.81	32.66	1.8450		
25	1	131		23.90	23.71	23.68				
25	64	32		23.93	23.86	23.75				
25	1	0		23.16	23.42	23.35				
25	1	132		23.39	23.21	23.15				
25	128	0		23.27	23.30	23.15				
25	1	1	QPSK	23.53	23.84	23.83				
25	1	131		23.84	23.69	23.68				
25	64	32		23.76	23.87	23.68				
25	1	0		22.53	22.93	22.86				
25	1	132		22.89	22.81	22.67				
25	128	0		22.74	22.79	22.67				
25	1	1	16-QAM	22.63	22.87	22.78	31.37	1.3709		
25	1	1	64-QAM	21.27	21.59	21.47				
25	1	1	256-QAM	18.53	18.77	18.80				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	23.72	23.91	24.00	32.69	1.8578		
30	1	158		24.19	23.77	23.75				
30	80	40		23.93	23.84	23.77				
30	1	0		23.14	23.46	23.41				
30	1	159		23.42	23.20	23.19				
30	160	0		23.30	23.28	23.23				
30	1	1	QPSK	23.69	23.92	23.87				
30	1	158		24.08	23.67	23.72				
30	80	40		23.89	23.87	23.71				
30	1	0		22.66	22.81	22.90				
30	1	159		22.90	22.62	22.65				
30	160	0		22.82	22.84	22.72				
30	1	1	16-QAM	22.63	22.82	22.87	31.37	1.3709		
30	1	1	64-QAM	21.25	21.50	21.49				
30	1	1	256-QAM	18.62	18.80	18.80				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
35	1	1	PI/2 BPSK	23.66	23.73	23.80	32.66	1.8450		
35	1	186		23.73	23.59	23.53				
35	90	45		24.16	23.85	23.83				
35	1	0		23.08	23.31	23.32				
35	1	187		23.26	23.08	23.05				
35	180	0		23.39	23.30	23.20				
35	1	1	QPSK	23.52	23.83	23.80				
35	1	186		23.72	23.57	23.59				
35	90	45		23.85	23.91	23.78				
35	1	0		22.55	22.79	22.84				
35	1	187		22.80	22.62	22.61				
35	180	0		22.85	22.79	22.71				
35	1	1	16-QAM	22.57	22.76	22.85	31.35	1.3646		
35	1	1	64-QAM	21.20	21.38	21.45				
35	1	1	256-QAM	18.49	18.70	18.67				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.64	23.71	23.90	32.58	1.8113		
40	1	214		23.67	23.55	23.62				
40	108	54		24.08	23.91	23.86				
40	1	0		23.03	23.27	23.30				
40	1	215		23.20	23.09	23.04				
40	216	0		23.32	23.25	23.25				
40	1	1	QPSK	23.49	23.81	23.90				
40	1	214		23.74	23.55	23.57				
40	108	54		23.84	23.85	23.70				
40	1	0		22.53	22.77	22.86				
40	1	215		22.77	22.59	22.59				
40	216	0		22.70	22.74	22.63				
40	1	1	16-QAM	22.47	22.81	22.90	31.4	1.3804		
40	1	1	64-QAM	21.21	21.44	21.49				
40	1	1	256-QAM	18.47	18.70	18.69				
Limit	EIRP < 2W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = 6.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	23.32	23.78	23.75	28.34	0.6823		
5	1	23		23.52	23.85	23.59				
5	12	6		23.49	23.89	23.61				
5	1	0		22.79	23.33	23.15				
5	1	24		22.91	23.30	23.01				
5	25	0		22.94	23.38	23.11				
5	1	1	QPSK	23.35	23.79	23.76				
5	1	23		23.49	23.87	23.50				
5	12	6		23.32	23.85	23.55				
5	1	0		22.32	22.76	22.68				
5	1	24		22.47	22.90	22.52				
5	25	0		22.49	22.81	22.55				
5	1	1	16-QAM	22.26	22.53	22.60	27.05	0.5070		
5	1	1	64-QAM	20.95	21.46	21.40				
5	1	1	256-QAM	18.34	18.74	18.67				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = 6.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	23.34	23.82	23.82	28.58	0.7211		
10	1	50		23.70	23.87	23.49				
10	25	12		23.61	24.13	23.76				
10	1	0		22.77	23.11	23.24				
10	1	51		23.10	23.27	22.90				
10	50	0		22.96	23.28	23.10				
10	1	1	QPSK	23.40	23.76	23.84				
10	1	50		23.76	23.83	23.56				
10	25	12		23.50	24.04	23.68				
10	1	0		22.24	22.65	22.76				
10	1	51		22.63	22.76	22.45				
10	50	0		22.47	22.79	22.68				
10	1	1	16-QAM	22.15	22.39	22.68	27.13	0.5164		
10	1	1	64-QAM	20.88	21.31	21.37				
10	1	1	256-QAM	18.21	18.58	18.72				
Limit	ERP < 7W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = 6.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	23.24	23.47	23.73	28.29	0.6745		
15	1	77		23.75	23.79	23.48				
15	36	18		23.56	23.84	23.76				
15	1	0		22.79	22.97	23.23				
15	1	78		23.24	23.32	22.93				
15	75	0		23.05	23.28	23.23				
15	1	1	QPSK	23.27	23.52	23.59				
15	1	77		23.76	23.76	23.49				
15	36	18		23.50	23.78	23.78				
15	1	0		22.29	22.51	22.70				
15	1	78		22.76	22.82	22.50				
15	75	0		22.44	22.82	22.79				
15	1	1	16-QAM	22.17	22.39	22.50	26.95	0.4955		
15	1	1	64-QAM	20.90	21.24	21.35				
15	1	1	256-QAM	18.23	18.52	18.65				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = 6.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	23.28	23.52	23.49	28.31	0.6776		
20	1	104		23.80	23.72	23.46				
20	50	25		23.70	23.86	23.85				
20	1	0		22.67	22.88	22.98				
20	1	105		23.15	23.05	22.89				
20	100	0		23.13	23.32	23.36				
20	1	1	QPSK	23.26	23.44	23.61				
20	1	104		23.77	23.75	23.54				
20	50	25		23.63	23.82	23.81				
20	1	0		22.25	22.35	22.44				
20	1	105		22.69	22.62	22.48				
20	100	0		22.64	22.83	22.77				
20	1	1	16-QAM	22.09	22.27	22.41	26.86	0.4853		
20	1	1	64-QAM	20.86	21.04	21.07				
20	1	1	256-QAM	18.18	18.42	18.36				
Limit	ERP < 7W			Result			Pass			



NR n14 Maximum Average Power [dBm] (GT - LC = 6.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.30	24.19	24.03	28.62	0.7278
5	1	23		24.15	23.91	23.91		
5	12	6		24.37	24.10	24.03		
5	1	0		23.73	23.68	23.58		
5	1	24		23.54	23.32	23.28		
5	25	0		23.83	23.56	23.43		
5	1	1	QPSK	24.32	24.14	24.02	28.62	0.7278
5	1	23		24.11	23.88	23.89		
5	12	6		24.33	24.03	24.09		
5	1	0		23.32	23.18	23.08		
5	1	24		22.99	22.88	22.84		
5	25	0		23.09	22.91	23.04		
5	1	1	16-QAM	23.26	23.09	23.07	27.51	0.5636
5	1	1	64-QAM	22.12	21.84	21.63		
5	1	1	256-QAM	19.27	19.12	19.05		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = 6.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	24.43	-	28.68	0.7379
10	1	50		-	23.89	-		
10	25	12		-	24.12	-		
10	1	0		-	23.77	-		
10	1	51		-	23.28	-		
10	50	0		-	23.61	-		
10	1	1	QPSK	-	24.35	-	28.68	0.7379
10	1	50		-	23.86	-		
10	25	12		-	24.08	-		
10	1	0		-	23.30	-		
10	1	51		-	22.79	-		
10	50	0		-	22.95	-		
10	1	1	16-QAM	-	23.19	-	27.44	0.5546
10	1	1	64-QAM	-	21.90	-		
10	1	1	256-QAM	-	19.16	-		
Limit	ERP < 3W			Result			Pass	



NR n30 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.35	24.44	24.43	32.97	1.9815		
5	1	23		24.35	24.39	24.33				
5	12	6		24.36	24.47	24.37				
5	1	0		23.82	23.88	24.03				
5	1	24		23.89	23.86	23.88				
5	25	0		23.93	23.96	24.00				
5	1	1	QPSK	24.34	24.31	24.32				
5	1	23		24.30	24.46	24.45				
5	12	6		24.37	24.43	24.42				
5	1	0		23.33	23.44	23.55				
5	1	24		23.35	23.40	23.48				
5	25	0		23.29	23.50	23.53				
5	1	1	16-QAM	23.24	23.21	23.61	32.11	1.6255		
5	1	1	64-QAM	22.08	22.05	22.25				
5	1	1	256-QAM	19.37	19.41	19.60				
Limit	EIRP < 2 W/5MHz			Result			Pass			

NR n30 Maximum Average Power [dBm] (GT - LC = 8.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	-	24.42	-	32.97	1.9815		
10	1	50		-	24.46	-				
10	25	12		-	24.47	-				
10	1	0		-	23.81	-				
10	1	51		-	23.88	-				
10	50	0		-	23.90	-				
10	1	1	QPSK	-	24.36	-				
10	1	50		-	24.41	-				
10	25	12		-	24.45	-				
10	1	0		-	23.33	-				
10	1	51		-	23.47	-				
10	50	0		-	23.45	-				
10	1	1	16-QAM	-	23.12	-	31.62	1.4521		
10	1	1	64-QAM	-	22.08	-				
10	1	1	256-QAM	-	19.38	-				
Limit	EIRP < 2 W/5MHz			Result			Pass			

Total EIRP power is less than partial EIRP limit 2 W/5MHz.



NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	23.75	24.09	23.40	29.73	0.9397		
5	1	23		23.64	23.99	23.38				
5	12	6		23.84	24.23	23.56				
5	1	0		23.25	23.57	22.83				
5	1	24		23.14	23.43	22.81				
5	25	0		23.16	23.63	22.91				
5	1	1	QPSK	23.78	23.98	23.37				
5	1	23		23.68	23.99	23.44				
5	12	6		23.87	24.08	23.47				
5	1	0		22.75	23.07	22.35				
5	1	24		22.67	23.00	22.35				
5	25	0		22.69	23.10	22.39				
5	1	1	16-QAM	22.75	23.02	22.40	28.52	0.7112		
5	1	1	64-QAM	21.36	21.79	21.05				
5	1	1	256-QAM	18.69	19.03	18.37				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.92	24.08	23.70	29.73	0.9397		
10	1	50		23.87	24.09	23.40				
10	25	12		23.98	24.23	23.65				
10	1	0		23.33	23.50	23.02				
10	1	51		23.19	23.46	22.78				
10	50	0		23.34	23.54	23.04				
10	1	1	QPSK	23.83	24.02	23.73				
10	1	50		23.82	24.13	23.51				
10	25	12		23.86	24.14	23.67				
10	1	0		22.77	22.99	22.62				
10	1	51		22.76	23.02	22.38				
10	50	0		22.81	23.01	22.55				
10	1	1	16-QAM	22.69	22.95	22.56	28.45	0.6998		
10	1	1	64-QAM	21.41	21.74	21.21				
10	1	1	256-QAM	18.79	18.95	18.62				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.90	23.98	23.63	29.67	0.9268		
15	1	77		23.73	23.95	23.32				
15	36	18		23.87	24.17	23.57				
15	1	0		23.31	23.49	23.23				
15	1	78		23.25	23.52	22.87				
15	75	0		23.39	23.53	22.89				
15	1	1	QPSK	23.77	24.07	23.64				
15	1	77		23.72	23.93	23.33				
15	36	18		23.82	24.01	23.54				
15	1	0		22.86	22.97	22.67				
15	1	78		22.79	22.90	22.39				
15	75	0		22.81	22.99	22.50				
15	1	1	16-QAM	22.84	22.97	22.78	28.47	0.7031		
15	1	1	64-QAM	21.48	21.71	21.50				
15	1	1	256-QAM	18.72	19.02	18.73				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.84	23.96	23.81	29.62	0.9162		
20	1	104		23.89	23.98	23.17				
20	50	25		23.87	24.12	23.60				
20	1	0		23.26	23.38	23.33				
20	1	105		23.29	23.36	22.83				
20	100	0		23.43	23.63	23.10				
20	1	1	QPSK	23.73	23.93	23.80				
20	1	104		23.88	23.98	23.34				
20	50	25		23.82	24.07	23.64				
20	1	0		22.67	22.86	22.78				
20	1	105		22.70	22.91	22.34				
20	100	0		22.82	23.06	22.60				
20	1	1	16-QAM	22.60	22.85	22.72	28.35	0.6839		
20	1	1	64-QAM	21.32	21.53	21.44				
20	1	1	256-QAM	18.58	18.80	18.67				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	23.81	24.04	24.10	29.72	0.9376		
25	1	131		23.85	24.05	23.35				
25	64	32		23.86	24.22	23.78				
25	1	0		23.39	23.55	23.53				
25	1	132		23.38	23.52	22.83				
25	128	0		23.31	23.53	23.19				
25	1	1	QPSK	23.80	24.01	24.08				
25	1	131		23.91	24.02	23.37				
25	64	32		23.83	24.10	23.76				
25	1	0		22.86	23.04	23.07				
25	1	132		22.84	23.07	22.44				
25	128	0		22.78	23.11	22.69				
25	1	1	16-QAM	22.78	23.02	23.17	28.67	0.7362		
25	1	1	64-QAM	21.50	21.63	21.72				
25	1	1	256-QAM	18.73	19.00	19.04				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	23.89	24.05	24.21	29.76	0.9462		
30	1	158		24.09	23.96	23.55				
30	80	40		23.90	24.20	23.96				
30	1	0		23.28	23.45	23.65				
30	1	159		23.48	23.52	23.01				
30	160	0		23.39	23.55	23.38				
30	1	1	QPSK	23.96	24.03	24.26				
30	1	158		24.15	24.05	23.64				
30	80	40		23.92	24.13	23.92				
30	1	0		22.84	22.86	23.16				
30	1	159		23.09	22.99	22.52				
30	160	0		22.88	23.09	22.91				
30	1	1	16-QAM	22.84	22.85	23.12	28.62	0.7278		
30	1	1	64-QAM	21.50	21.46	21.77				
30	1	1	256-QAM	18.78	19.03	19.15				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
35	1	1	PI/2 BPSK	23.79	23.93	23.98	29.7	0.9333		
35	1	186		24.06	23.93	23.45				
35	90	45		23.91	24.20	23.92				
35	1	0		23.37	23.41	23.58				
35	1	187		23.60	23.37	22.94				
35	180	0		23.40	23.59	23.28				
35	1	1	QPSK	23.77	23.78	23.92				
35	1	186		23.97	23.91	23.28				
35	90	45		23.94	24.12	23.89				
35	1	0		22.84	22.87	22.96				
35	1	187		23.07	22.88	22.31				
35	180	0		22.77	23.01	22.75				
35	1	1	16-QAM	22.84	22.84	23.01	28.51	0.7096		
35	1	1	64-QAM	21.46	21.43	21.64				
35	1	1	256-QAM	18.67	18.83	18.90				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.85	23.84	23.97	29.68	0.9290		
40	1	214		24.03	23.82	23.32				
40	108	54		24.04	24.18	24.04				
40	1	0		23.32	23.33	23.46				
40	1	215		23.45	23.28	22.87				
40	216	0		23.45	23.43	23.31				
40	1	1	QPSK	23.68	23.82	23.93				
40	1	214		24.00	23.82	23.32				
40	108	54		23.90	24.17	23.92				
40	1	0		22.92	22.79	22.98				
40	1	215		23.06	22.78	22.40				
40	216	0		22.90	22.97	22.83				
40	1	1	16-QAM	22.79	22.83	22.96	28.46	0.7015		
40	1	1	64-QAM	21.40	21.52	21.71				
40	1	1	256-QAM	18.75	18.73	18.95				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
45	1	1	PI/2 BPSK	23.88	24.01	24.12	29.79	0.9528		
45	1	239		24.02	23.89	23.57				
45	120	60		24.03	24.29	24.18				
45	1	0		23.45	23.47	23.61				
45	1	238		24.08	23.92	23.50				
45	240	0		23.66	23.74	23.70				
45	1	1	QPSK	23.95	24.02	24.12				
45	1	239		24.04	23.87	23.55				
45	120	60		23.98	24.24	24.04				
45	1	0		22.93	23.02	23.09				
45	1	238		24.02	23.95	23.59				
45	240	0		23.05	23.29	23.23				
45	1	1	16-QAM	22.93	23.06	23.12	28.62	0.7278		
45	1	1	64-QAM	21.57	21.71	21.87				
45	1	1	256-QAM	19.87	20.01	20.10				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	27.27	27.12	26.77	29.84	0.9638		
10	1	22		27.34	27.12	26.85				
10	12	6		27.29	27.11	26.85				
10	1	0		23.65	23.46	23.30				
10	1	23		23.69	23.47	23.26				
10	24	0		26.75	26.51	26.27				
10	1	1	QPSK	27.20	26.99	26.75				
10	1	22		27.28	27.04	26.80				
10	12	6		27.26	27.00	26.82				
10	1	0		23.66	23.44	23.18				
10	1	23		23.67	23.52	23.26				
10	24	0		26.21	26.01	25.75				
10	1	1	16-QAM	26.09	25.79	25.54	28.59	0.7228		
10	1	1	64-QAM	24.79	24.56	24.18				
10	1	1	256-QAM	22.67	22.58	22.36				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	27.27	27.07	26.91	29.87	0.9705		
15	1	36		27.28	27.08	26.94				
15	18	9		27.37	27.17	27.00				
15	1	0		23.79	23.59	23.47				
15	1	37		23.82	23.62	23.52				
15	36	0		26.86	26.63	26.43				
15	1	1	QPSK	27.21	27.04	26.86				
15	1	36		27.18	26.96	26.92				
15	18	9		27.31	27.10	26.89				
15	1	0		23.78	23.60	23.47				
15	1	37		23.81	23.49	23.50				
15	36	0		26.32	26.10	25.97				
15	1	1	16-QAM	26.25	25.92	25.93	28.75	0.7499		
15	1	1	64-QAM	24.85	24.58	24.60				
15	1	1	256-QAM	22.85	22.66	22.43				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	27.37	27.07	26.90	29.88	0.9727		
20	1	49		27.24	27.05	26.94				
20	25	12		27.37	27.15	26.98				
20	1	0		23.68	23.48	23.37				
20	1	50		23.74	23.47	23.34				
20	50	0		26.88	26.72	26.51				
20	1	1	QPSK	27.24	27.03	26.86				
20	1	49		27.34	27.01	26.87				
20	25	12		27.38	27.14	26.91				
20	1	0		23.76	23.50	23.34				
20	1	50		23.87	23.49	23.33				
20	50	0		26.46	26.21	26.02				
20	1	1	16-QAM	26.20	25.90	25.70	28.7	0.7413		
20	1	1	64-QAM	24.73	24.48	24.31				
20	1	1	256-QAM	22.85	22.61	22.40				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	27.37	27.22	26.94	29.96	0.9908		
25	1	63		27.36	27.03	26.97				
25	32	16		27.46	27.17	26.98				
25	1	0		23.87	23.75	23.54				
25	1	64		23.86	23.57	23.49				
25	64	0		26.97	26.68	26.50				
25	1	1	QPSK	27.39	27.13	26.90				
25	1	63		27.34	26.97	26.82				
25	32	16		27.44	27.09	26.89				
25	1	0		23.91	23.75	23.50				
25	1	64		23.92	23.57	23.39				
25	64	0		26.41	26.08	25.91				
25	1	1	16-QAM	26.27	26.24	25.84	28.77	0.7534		
25	1	1	64-QAM	25.02	24.86	24.58				
25	1	1	256-QAM	22.98	22.75	22.55				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	27.35	27.22	27.03	29.91	0.9795		
30	1	76		27.41	27.16	27.08				
30	36	18		27.40	27.19	27.08				
30	1	0		23.74	23.63	23.64				
30	1	77		23.80	23.56	23.51				
30	75	0		26.77	26.66	26.52				
30	1	1	QPSK	27.34	27.13	27.04				
30	1	76		27.36	27.09	27.04				
30	36	18		27.39	27.14	27.01				
30	1	0		23.76	23.64	23.50				
30	1	77		23.79	23.54	23.48				
30	75	0		26.32	26.13	25.99				
30	1	1	16-QAM	26.13	25.98	25.92	28.63	0.7295		
30	1	1	64-QAM	24.84	24.70	24.62				
30	1	1	256-QAM	22.76	22.66	22.56				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	27.33	26.95	26.81	29.95	0.9886		
40	1	104		27.31	26.96	26.80				
40	50	25		27.45	27.22	27.04				
40	1	0		23.80	23.60	23.40				
40	1	105		23.82	23.49	23.39				
40	100	0		26.92	26.62	26.40				
40	1	1	QPSK	27.29	26.95	26.67				
40	1	104		27.25	26.89	26.80				
40	50	25		27.44	27.16	26.94				
40	1	0		23.82	23.54	23.26				
40	1	105		23.82	23.50	23.35				
40	100	0		26.37	26.15	25.93				
40	1	1	16-QAM	26.20	25.93	25.77	28.7	0.7413		
40	1	1	64-QAM	24.88	24.59	24.34				
40	1	1	256-QAM	22.89	22.66	22.27				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	27.32	27.26	27.08	29.98	0.9954		
50	1	131		27.36	27.15	27.08				
50	64	32		27.48	27.37	27.27				
50	1	0		23.84	23.83	23.45				
50	1	132		23.88	23.70	23.60				
50	128	0		26.90	26.77	26.66				
50	1	1	QPSK	27.34	27.21	26.93				
50	1	131		27.34	27.06	27.00				
50	64	32		27.43	27.32	27.22				
50	1	0		23.87	23.72	23.62				
50	1	132		23.91	23.65	23.61				
50	128	0		26.44	26.28	26.17				
50	1	1	16-QAM	26.36	26.15	25.74	28.86	0.7691		
50	1	1	64-QAM	24.98	24.86	24.56				
50	1	1	256-QAM	22.90	22.80	22.57				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	27.39	27.17	27.14	29.89	0.9750		
60	1	160		27.29	27.02	27.22				
60	81	40		27.29	27.12	27.24				
60	1	0		23.76	23.63	23.62				
60	1	161		23.86	23.44	23.71				
60	162	0		26.91	26.64	26.72				
60	1	1	QPSK	27.34	27.14	27.09				
60	1	160		27.32	26.98	27.23				
60	81	40		27.29	27.07	27.25				
60	1	0		23.71	23.60	23.61				
60	1	161		23.85	23.51	23.70				
60	162	0		26.35	26.07	26.26				
60	1	1	16-QAM	26.17	25.96	25.96	28.67	0.7362		
60	1	1	64-QAM	24.75	24.64	24.51				
60	1	1	256-QAM	22.75	22.68	22.68				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	27.25	27.08	27.01	29.89	0.9750		
70	1	187		27.30	27.02	27.19				
70	90	45		27.39	27.18	27.27				
70	1	0		23.83	23.59	23.55				
70	1	188		23.93	23.54	23.80				
70	180	0		26.78	26.68	26.75				
70	1	1	QPSK	27.21	27.04	26.95				
70	1	187		27.22	26.95	27.18				
70	90	45		27.30	27.16	27.25				
70	1	0		23.78	23.59	23.52				
70	1	188		23.83	23.57	23.82				
70	180	0		26.34	26.21	26.23				
70	1	1	16-QAM	26.11	25.94	25.75	28.61	0.7261		
70	1	1	64-QAM	24.79	24.64	24.58				
70	1	1	256-QAM	22.82	22.63	22.63				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	27.33	27.09	27.10	29.94	0.9863		
80	1	215		27.34	27.06	27.26				
80	108	54		27.44	27.20	27.31				
80	1	0		23.87	23.68	23.58				
80	1	216		23.90	23.59	23.78				
80	216	0		26.86	26.55	26.69				
80	1	1	QPSK	27.33	27.08	27.03				
80	1	215		27.33	27.06	27.23				
80	108	54		27.42	27.17	27.23				
80	1	0		23.87	23.68	23.61				
80	1	216		23.88	23.63	23.80				
80	216	0		26.36	26.11	26.19				
80	1	1	16-QAM	26.23	26.04	25.95	28.73	0.7464		
80	1	1	64-QAM	24.78	24.60	24.64				
80	1	1	256-QAM	22.88	22.71	22.68				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	27.40	27.19	27.15	29.95	0.9886		
90	1	243		27.45	27.07	27.20				
90	120	60		27.40	27.29	27.30				
90	1	0		23.90	23.71	23.71				
90	1	244		23.97	23.59	23.73				
90	243	0		26.83	26.61	26.75				
90	1	1	QPSK	27.36	27.15	27.08				
90	1	243		27.39	27.05	27.18				
90	120	60		27.33	27.09	27.26				
90	1	0		23.93	23.75	23.69				
90	1	244		23.95	23.63	23.75				
90	243	0		26.34	26.09	26.14				
90	1	1	16-QAM	26.33	26.02	26.09	28.83	0.7638		
90	1	1	64-QAM	25.04	24.75	24.73				
90	1	1	256-QAM	23.00	22.70	22.70				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	27.42	27.28	27.18	29.98	0.9954		
100	1	271		27.48	27.15	27.24				
100	135	67		27.36	27.09	27.15				
100	1	0		23.96	23.82	23.69				
100	1	272		24.03	23.68	23.84				
100	270	0		26.89	26.70	26.63				
100	1	1	QPSK	27.45	27.25	27.15				
100	1	271		27.44	27.07	27.23				
100	135	67		27.34	27.03	27.10				
100	1	0		24.04	23.81	23.76				
100	1	272		24.06	23.69	23.83				
100	270	0		26.44	26.11	26.12				
100	1	1	16-QAM	26.35	26.32	26.14	28.85	0.7674		
100	1	1	64-QAM	25.05	24.85	24.76				
100	1	1	256-QAM	23.06	22.89	22.79				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	27.20	27.45	27.45	29.99	0.9977		
10	1	22		27.19	27.49	27.41				
10	12	6		27.22	27.41	27.45				
10	1	0		23.54	23.82	23.97				
10	1	23		23.56	23.83	23.99				
10	24	0		26.58	26.89	27.04				
10	1	1	QPSK	27.13	27.40	27.43				
10	1	22		27.12	27.43	27.41				
10	12	6		27.13	27.39	27.48				
10	1	0		23.54	23.79	23.98				
10	1	23		23.53	23.82	23.96				
10	24	0		26.03	26.33	26.49				
10	1	1	16-QAM	25.99	26.27	26.49	28.99	0.7925		
10	1	1	64-QAM	24.55	24.75	25.09				
10	1	1	256-QAM	22.64	22.83	22.96				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	27.03	27.38	27.39	29.97	0.9931		
15	1	36		27.13	27.46	27.43				
15	18	9		27.12	27.47	27.42				
15	1	0		23.59	23.79	23.95				
15	1	37		23.58	23.87	24.03				
15	36	0		26.59	26.89	27.08				
15	1	1	QPSK	26.96	27.31	27.44				
15	1	36		27.06	27.34	27.38				
15	18	9		27.09	27.35	27.42				
15	1	0		23.49	23.83	24.00				
15	1	37		23.57	23.90	24.03				
15	36	0		26.06	26.50	26.54				
15	1	1	16-QAM	25.92	26.19	26.50	29	0.7943		
15	1	1	64-QAM	24.55	24.76	25.11				
15	1	1	256-QAM	22.54	22.74	23.02				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	27.19	27.41	27.39	29.98	0.9954		
20	1	49		27.29	27.48	27.38				
20	25	12		27.25	27.48	27.43				
20	1	0		23.53	23.77	23.89				
20	1	50		23.66	23.80	23.86				
20	50	0		26.74	26.94	27.05				
20	1	1	QPSK	27.15	27.35	27.46				
20	1	49		27.24	27.40	27.45				
20	25	12		27.21	27.41	27.41				
20	1	0		23.56	23.76	23.88				
20	1	50		23.64	23.79	23.85				
20	50	0		26.24	26.38	26.54				
20	1	1	16-QAM	26.08	26.28	26.27	28.78	0.7551		
20	1	1	64-QAM	24.60	24.83	24.81				
20	1	1	256-QAM	22.62	22.79	22.91				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	27.30	27.45	27.45	29.98	0.9954		
25	1	63		27.44	27.38	27.39				
25	32	16		27.45	27.41	27.41				
25	1	0		23.71	23.89	23.99				
25	1	64		23.88	23.99	23.97				
25	64	0		26.83	26.94	27.02				
25	1	1	QPSK	27.25	27.39	27.42				
25	1	63		27.41	27.36	27.41				
25	32	16		27.35	27.48	27.39				
25	1	0		23.71	23.89	24.03				
25	1	64		23.86	23.96	23.97				
25	64	0		26.30	26.47	26.50				
25	1	1	16-QAM	26.25	26.35	26.51	29.01	0.7962		
25	1	1	64-QAM	24.86	24.83	25.07				
25	1	1	256-QAM	22.78	22.93	23.07				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	27.33	27.49	27.42	29.99	0.9977		
30	1	76		27.40	27.44	27.49				
30	36	18		27.31	27.39	27.48				
30	1	0		23.65	23.86	24.03				
30	1	77		23.76	23.95	24.14				
30	75	0		26.76	27.01	27.10				
30	1	1	QPSK	27.26	27.47	27.43				
30	1	76		27.34	27.38	27.49				
30	36	18		27.30	27.43	27.42				
30	1	0		23.65	23.85	24.01				
30	1	77		23.74	23.92	24.17				
30	75	0		26.24	26.46	26.59				
30	1	1	16-QAM	26.00	26.28	26.48	28.98	0.7907		
30	1	1	64-QAM	24.67	24.95	25.09				
30	1	1	256-QAM	22.71	22.92	23.12				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	27.10	27.34	27.44	29.99	0.9977		
40	1	104		27.28	27.49	27.38				
40	50	25		27.40	27.45	27.44				
40	1	0		23.55	23.87	23.90				
40	1	105		23.73	23.89	24.01				
40	100	0		26.78	26.96	27.06				
40	1	1	QPSK	27.07	27.28	27.46				
40	1	104		27.25	27.38	27.44				
40	50	25		27.32	27.48	27.43				
40	1	0		23.58	23.76	23.92				
40	1	105		23.78	23.88	24.05				
40	100	0		26.32	26.45	26.54				
40	1	1	16-QAM	26.07	26.26	26.31	28.81	0.7603		
40	1	1	64-QAM	24.60	24.88	24.96				
40	1	1	256-QAM	22.64	22.84	22.96				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	27.29	27.41	27.44	29.99	0.9977		
50	1	131		27.48	27.44	27.47				
50	64	32		27.43	27.48	27.48				
50	1	0		23.71	23.86	23.99				
50	1	132		23.92	24.07	24.12				
50	128	0		26.91	27.08	27.12				
50	1	1	QPSK	27.22	27.35	27.45				
50	1	131		27.43	27.41	27.41				
50	64	32		27.49	27.42	27.48				
50	1	0		23.72	23.84	24.00				
50	1	132		23.91	24.06	23.98				
50	128	0		26.41	26.58	26.63				
50	1	1	16-QAM	26.24	26.24	26.40	28.9	0.7762		
50	1	1	64-QAM	24.74	24.94	25.05				
50	1	1	256-QAM	22.76	22.95	23.02				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	27.28	27.40	27.34	29.99	0.9977		
60	1	160		27.49	27.43	27.42				
60	81	40		27.43	27.46	27.43				
60	1	0		23.65	23.75	23.76				
60	1	161		23.84	23.97	23.96				
60	162	0		26.88	26.91	27.01				
60	1	1	QPSK	27.25	27.37	27.39				
60	1	160		27.44	27.45	27.46				
60	81	40		27.30	27.40	27.46				
60	1	0		23.66	23.66	23.73				
60	1	161		23.96	23.96	24.02				
60	162	0		26.44	26.37	26.48				
60	1	1	16-QAM	26.06	26.00	26.27	28.77	0.7534		
60	1	1	64-QAM	24.72	24.73	24.80				
60	1	1	256-QAM	22.74	22.78	22.79				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	27.25	27.29	27.40	29.99	0.9977		
70	1	187		27.49	27.43	27.47				
70	90	45		27.46	27.42	27.47				
70	1	0		23.67	23.73	23.82				
70	1	188		23.96	24.01	24.15				
70	180	0		26.86	26.97	27.07				
70	1	1	QPSK	27.23	27.24	27.31				
70	1	187		27.45	27.44	27.42				
70	90	45		27.40	27.45	27.42				
70	1	0		23.69	23.75	23.77				
70	1	188		23.95	24.05	24.11				
70	180	0		26.37	26.47	26.55				
70	1	1	16-QAM	26.14	26.14	26.20	28.7	0.7413		
70	1	1	64-QAM	24.75	24.77	24.83				
70	1	1	256-QAM	22.75	22.78	22.86				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	27.27	27.33	27.41	29.99	0.9977		
80	1	215		27.48	27.49	27.42				
80	108	54		27.48	27.44	27.47				
80	1	0		23.66	23.75	23.81				
80	1	216		24.10	24.17	24.09				
80	216	0		26.95	26.94	27.00				
80	1	1	QPSK	27.19	27.26	27.33				
80	1	215		27.45	27.43	27.43				
80	108	54		27.46	27.41	27.43				
80	1	0		23.72	23.74	23.83				
80	1	216		24.12	24.07	24.11				
80	216	0		26.45	26.45	26.54				
80	1	1	16-QAM	26.05	26.26	26.39	28.89	0.7745		
80	1	1	64-QAM	24.66	24.84	24.92				
80	1	1	256-QAM	22.80	22.75	22.86				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	27.35	27.37	27.29	29.99	0.9977		
90	1	243		27.44	27.43	27.49				
90	120	60		27.48	27.45	27.43				
90	1	0		23.78	23.77	23.79				
90	1	244		23.97	24.04	24.16				
90	243	0		26.94	26.95	27.06				
90	1	1	QPSK	27.30	27.28	27.31				
90	1	243		27.41	27.43	27.48				
90	120	60		27.45	27.48	27.44				
90	1	0		23.80	23.76	23.79				
90	1	244		23.99	24.08	24.14				
90	243	0		26.39	26.42	26.53				
90	1	1	16-QAM	26.18	26.36	26.20	28.86	0.7691		
90	1	1	64-QAM	24.77	24.88	24.76				
90	1	1	256-QAM	22.82	22.86	22.85				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	27.34	-	29.98	0.9954		
100	1	271		-	27.47	-				
100	135	67		-	27.45	-				
100	1	0		-	23.88	-				
100	1	272		-	24.20	-				
100	270	0		-	26.95	-				
100	1	1	QPSK	-	27.28	-				
100	1	271		-	27.48	-				
100	135	67		-	27.41	-				
100	1	0		-	23.82	-				
100	1	272		-	24.19	-				
100	270	0		-	26.48	-				
100	1	1	16-QAM	-	26.31	-	28.81	0.7603		
100	1	1	64-QAM	-	24.92	-				
100	1	1	256-QAM	-	22.86	-				
Limit	EIRP < 1W			Result			Pass			



<MIMO Mode>

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	26.31	26.09	26.00	25.49	25.20	24.84	28.93	28.68	28.47	29.98	0.9954
10	1	22		26.31	26.14	26.19	25.61	25.23	24.82	28.98	28.72	28.57		
10	12	6		26.31	26.17	26.03	25.49	25.22	24.82	28.93	28.73	28.48		
10	1	0		19.79	20.11	20.00	19.58	19.09	18.85	22.70	22.64	22.47		
10	1	23		20.27	20.16	20.06	19.45	19.08	18.86	22.89	22.66	22.51		
10	24	0		24.72	24.66	24.49	23.98	23.65	23.32	27.38	27.19	26.95		
10	1	1	QPSK	26.24	26.11	25.90	25.43	25.12	24.84	28.86	28.65	28.41	29.93	0.9840
10	1	22		26.29	26.05	25.98	25.51	25.19	24.79	28.93	28.65	28.44		
10	12	6		26.32	26.11	25.99	25.42	25.15	24.84	28.90	28.67	28.46		
10	1	0		19.80	19.57	19.28	18.84	18.54	18.31	22.36	22.10	21.83		
10	1	23		19.84	19.45	19.58	18.98	18.61	18.30	22.44	22.06	22.00		
10	24	0		24.21	24.12	23.99	23.44	23.18	22.86	26.85	26.69	26.47		
10	1	1	16-QAM	25.38	25.05	25.19	24.55	24.27	24.03	28.00	27.69	27.66	29.00	0.7943
10	1	1	64-QAM	23.02	23.24	23.04	22.37	22.28	21.95	25.72	25.80	25.54		
10	1	1	256-QAM	20.65	20.29	20.35	19.94	19.25	19.37	23.32	22.81	22.90		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	26.23	26.25	26.09	25.49	25.19	25.05	28.89	28.76	28.61	29.89	0.9750
15	1	36		26.11	26.24	26.00	25.50	25.16	24.76	28.83	28.74	28.43		
15	18	9		26.22	26.14	26.08	25.48	25.22	24.99	28.88	28.71	28.58		
15	1	0		20.21	20.24	20.05	19.47	19.17	19.18	22.87	22.75	22.65		
15	1	37		20.28	19.98	20.17	19.47	19.12	19.10	22.90	22.58	22.68		
15	36	0		24.71	24.55	24.52	24.01	23.69	23.54	27.38	27.15	27.07		
15	1	1	QPSK	26.10	25.87	25.99	25.38	25.10	24.86	28.77	28.51	28.47	29.85	0.9661
15	1	36		26.25	25.92	26.25	25.39	25.12	24.81	28.85	28.55	28.60		
15	18	9		26.15	26.04	26.00	25.42	25.09	24.82	28.81	28.60	28.46		
15	1	0		19.69	19.47	19.58	18.98	18.67	18.51	22.36	22.10	22.09		
15	1	37		19.81	19.48	19.49	19.00	18.70	18.55	22.43	22.12	22.06		
15	36	0		24.22	24.13	24.05	23.42	23.14	22.91	26.85	26.67	26.53		
15	1	1	16-QAM	25.36	25.11	25.11	24.62	24.33	24.07	28.02	27.75	27.63	29.02	0.7980
15	1	1	64-QAM	23.23	22.76	23.16	22.50	22.14	21.96	25.89	25.47	25.61		
15	1	1	256-QAM	20.46	20.22	20.67	19.81	19.32	19.52	23.16	22.80	23.14		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	26.11	26.11	26.05	25.63	25.30	25.07	28.89	28.73	28.60	29.97	0.9931
20	1	49		26.01	25.97	25.81	25.55	25.20	25.07	28.80	28.61	28.47		
20	25	12		26.18	26.02	26.00	25.72	25.39	25.23	28.97	28.73	28.64		
20	1	0		20.14	19.79	19.96	19.49	19.27	19.24	22.84	22.55	22.63		
20	1	50		20.17	19.83	20.01	19.41	19.18	19.05	22.82	22.53	22.57		
20	50	0		24.79	24.53	24.56	24.27	23.94	23.73	27.55	27.26	27.18		
20	1	1	QPSK	26.07	25.84	25.82	25.63	25.30	25.21	28.87	28.59	28.54	29.87	0.9705
20	1	49		26.05	25.75	26.01	25.52	25.19	25.08	28.80	28.49	28.58		
20	25	12		26.11	25.93	25.84	25.58	25.35	25.16	28.86	28.66	28.52		
20	1	0		19.44	19.31	19.28	19.03	18.82	18.70	22.25	22.08	22.01		
20	1	50		19.45	19.29	19.25	18.95	18.49	18.53	22.22	21.92	21.92		
20	50	0		24.21	24.05	24.01	23.69	23.44	23.30	26.97	26.77	26.68		
20	1	1	16-QAM	25.10	25.14	25.11	24.65	24.49	24.15	27.89	27.84	27.67	28.89	0.7745
20	1	1	64-QAM	23.04	22.65	22.94	22.55	22.10	22.05	25.81	25.39	25.53		
20	1	1	256-QAM	20.48	20.43	20.13	20.08	19.83	19.42	23.29	23.15	22.80		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
25	1	1	BPSK	26.23	26.22	26.07	25.68	25.37	25.22	28.97	28.83	28.68	29.99	0.9977
25	1	63		25.96	26.05	25.83	25.59	25.21	25.17	28.79	28.66	28.52		
25	32	16		26.21	26.06	25.98	25.74	25.39	25.33	28.99	28.75	28.68		
25	1	0		20.11	20.02	20.06	19.73	19.58	19.14	22.93	22.82	22.63		
25	1	64		20.15	20.02	19.93	19.65	19.30	19.23	22.92	22.69	22.60		
25	64	0		24.69	24.49	24.48	24.28	23.96	23.57	27.50	27.24	27.06		
25	1	1	QPSK	26.18	25.90	26.03	25.60	25.42	25.16	28.91	28.68	28.63	29.99	0.9977
25	1	63		26.04	25.93	25.96	25.52	25.30	25.10	28.80	28.64	28.56		
25	32	16		26.24	25.94	25.90	25.71	25.43	25.15	28.99	28.70	28.55		
25	1	0		19.66	19.57	19.52	19.19	18.98	18.87	22.44	22.30	22.22		
25	1	64		19.68	19.44	19.62	19.09	18.80	18.76	22.41	22.14	22.22		
25	64	0		24.21	24.05	23.95	23.76	23.44	23.12	27.00	26.77	26.57		
25	1	1	16-QAM	25.21	25.11	24.98	24.76	24.58	24.50	28.00	27.86	27.76	29.00	0.7943
25	1	1	64-QAM	23.30	23.24	22.86	22.84	22.62	22.17	26.09	25.95	25.54		
25	1	1	256-QAM	20.19	20.86	20.45	19.91	19.90	19.76	23.06	23.42	23.13		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	26.08	26.13	26.17	25.68	25.55	25.31	28.89	28.86	28.77	29.99	0.9977
30	1	76		26.18	26.23	25.92	25.78	25.46	25.16	28.99	28.87	28.57		
30	36	18		26.21	26.05	26.10	25.68	25.48	25.32	28.96	28.78	28.74		
30	1	0		19.96	20.15	20.34	19.66	19.35	19.38	22.82	22.78	22.90		
30	1	77		19.96	19.95	19.84	19.46	19.45	19.24	22.73	22.72	22.56		
30	75	0		24.55	24.51	24.60	24.22	23.96	23.82	27.40	27.25	27.24		
30	1	1	QPSK	26.15	25.98	26.14	25.55	25.56	25.27	28.87	28.79	28.74	29.94	0.9863
30	1	76		26.08	26.15	26.04	25.66	25.46	25.29	28.89	28.83	28.69		
30	36	18		26.14	25.95	26.11	25.70	25.47	25.27	28.94	28.73	28.72		
30	1	0		19.46	19.48	19.77	19.11	18.92	18.71	22.30	22.22	22.28		
30	1	77		19.54	19.46	19.40	19.12	18.86	18.68	22.35	22.18	22.07		
30	75	0		24.14	23.95	24.15	23.58	23.41	23.30	26.88	26.70	26.76		
30	1	1	16-QAM	25.03	25.19	25.04	24.68	24.63	24.31	27.87	27.93	27.70	28.93	0.7816
30	1	1	64-QAM	22.95	23.26	22.92	22.58	22.37	22.16	25.78	25.85	25.57		
30	1	1	256-QAM	20.53	20.18	20.26	20.10	19.75	19.58	23.33	22.98	22.94		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	26.02	25.96	25.81	25.64	25.24	24.96	28.84	28.63	28.42	29.94	0.9863
40	1	104		26.00	25.82	25.88	25.63	25.27	24.91	28.83	28.56	28.43		
40	50	25		26.11	25.99	26.08	25.74	25.50	25.24	28.94	28.76	28.69		
40	1	0		19.96	20.06	19.96	19.64	19.32	19.08	22.81	22.72	22.55		
40	1	105		19.94	19.70	19.86	19.59	19.21	19.19	22.78	22.47	22.55		
40	100	0		24.72	24.44	24.53	24.18	23.94	23.64	27.47	27.21	27.12		
40	1	1	QPSK	26.08	25.72	25.63	25.60	25.23	25.02	28.86	28.49	28.35	29.94	0.9863
40	1	104		26.16	25.83	25.68	25.69	25.15	24.97	28.94	28.51	28.35		
40	50	25		26.21	26.00	25.97	25.63	25.37	25.16	28.94	28.71	28.59		
40	1	0		19.67	19.34	19.29	19.21	18.84	18.64	22.46	22.11	21.99		
40	1	105		19.59	19.29	19.35	19.15	18.65	18.54	22.39	21.99	21.97		
40	100	0		24.13	23.91	24.04	23.63	23.40	23.19	26.90	26.67	26.65		
40	1	1	16-QAM	25.33	24.90	25.12	24.75	24.56	24.21	28.06	27.74	27.70	29.06	0.8054
40	1	1	64-QAM	23.02	22.83	23.17	22.73	22.31	22.14	25.89	25.59	25.70		
40	1	1	256-QAM	20.29	20.33	20.22	19.75	19.83	19.61	23.04	23.10	22.94		
Limit	EIRP < 1W			Result									Pass	



Part27O NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	26.03	25.95	25.93	25.62	25.46	25.23	28.84	28.72	28.60	29.96	0.9908
50	1	131		26.04	26.12	25.84	25.59	25.37	25.16	28.83	28.77	28.52		
50	64	32		26.12	26.20	26.30	25.77	25.66	25.47	28.96	28.95	28.92		
50	1	0		20.21	20.14	20.04	19.62	19.48	19.44	22.94	22.83	22.76		
50	1	132		20.18	20.13	20.03	19.82	19.41	19.27	23.01	22.80	22.68		
50	128	0		24.68	24.62	24.84	24.20	24.13	23.89	27.46	27.39	27.40		
50	1	1	QPSK	26.12	25.98	25.85	25.68	25.45	25.11	28.92	28.73	28.51	29.98	0.9954
50	1	131		26.01	25.94	26.19	25.68	25.33	25.29	28.86	28.66	28.77		
50	64	32		26.21	26.19	26.27	25.71	25.67	25.47	28.98	28.95	28.90		
50	1	0		19.64	19.54	19.63	19.13	19.09	18.77	22.40	22.33	22.23		
50	1	132		19.72	19.53	19.90	19.27	18.92	18.69	22.51	22.25	22.35		
50	128	0		24.17	24.21	24.26	23.70	23.53	23.32	26.95	26.89	26.83		
50	1	1	16-QAM	25.38	25.23	25.27	24.81	24.71	24.34	28.11	27.99	27.84	29.11	0.8147
50	1	1	64-QAM	23.09	22.93	23.04	22.82	22.48	22.36	25.97	25.72	25.72		
50	1	1	256-QAM	20.31	20.51	20.58	19.94	19.93	19.71	23.14	23.24	23.18		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	26.14	25.96	25.90	25.68	25.20	25.49	28.93	28.61	28.71	29.93	0.9840
60	1	160		26.02	26.08	25.82	25.69	25.32	25.33	28.87	28.73	28.59		
60	81	40		26.16	26.07	26.10	25.67	25.44	25.41	28.93	28.78	28.78		
60	1	0		20.04	20.03	19.93	19.67	19.37	19.40	22.87	22.72	22.68		
60	1	161		19.86	19.82	19.87	19.68	19.39	19.34	22.78	22.62	22.62		
60	162	0		24.66	24.52	24.60	24.20	23.95	24.00	27.45	27.25	27.32		
60	1	1	QPSK	26.20	25.88	26.12	25.59	25.37	25.27	28.92	28.64	28.73	29.92	0.9817
60	1	160		26.04	25.92	25.96	25.63	25.30	25.33	28.85	28.63	28.67		
60	81	40		26.13	25.89	26.08	25.62	25.39	25.41	28.89	28.66	28.77		
60	1	0		19.69	19.36	19.38	19.19	18.81	18.98	22.46	22.10	22.19		
60	1	161		19.53	19.36	19.57	19.22	18.74	18.79	22.39	22.07	22.21		
60	162	0		24.15	23.99	24.02	23.69	23.44	23.58	26.94	26.73	26.82		
60	1	1	16-QAM	25.16	24.91	25.13	24.78	24.51	24.43	27.98	27.72	27.80	28.98	0.7907
60	1	1	64-QAM	22.92	23.01	22.77	22.65	22.45	22.23	25.80	25.75	25.52		
60	1	1	256-QAM	20.52	20.10	20.09	20.15	19.52	19.53	23.35	22.83	22.83		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	25.92	26.08	25.81	25.59	25.44	25.27	28.77	28.78	28.56	29.93	0.9840
70	1	187		25.95	26.01	25.87	25.62	25.37	25.40	28.80	28.71	28.65		
70	90	45		26.13	26.19	26.10	25.70	25.46	25.59	28.93	28.85	28.86		
70	1	0		20.08	20.19	20.16	19.51	19.41	19.49	22.81	22.83	22.85		
70	1	188		19.97	20.17	20.05	19.70	19.42	19.49	22.85	22.82	22.79		
70	180	0		24.60	24.57	24.53	24.24	23.97	23.96	27.43	27.29	27.26		
70	1	1	QPSK	25.95	25.89	26.09	25.61	25.43	25.35	28.79	28.68	28.75	29.87	0.9705
70	1	187		26.03	25.93	26.13	25.59	25.41	25.46	28.83	28.69	28.82		
70	90	45		26.07	26.11	26.06	25.64	25.41	25.35	28.87	28.78	28.73		
70	1	0		19.42	19.55	19.64	19.17	18.98	18.81	22.31	22.28	22.26		
70	1	188		19.34	19.60	19.25	19.16	18.83	18.97	22.26	22.24	22.12		
70	180	0		24.06	24.05	23.89	23.61	23.40	23.46	26.85	26.75	26.69		
70	1	1	16-QAM	25.26	25.15	25.16	24.96	24.54	24.38	28.12	27.87	27.80	29.12	0.8166
70	1	1	64-QAM	23.05	23.20	23.35	22.62	22.59	22.40	25.85	25.92	25.91		
70	1	1	256-QAM	20.42	20.41	20.38	20.11	19.63	19.60	23.28	23.05	23.02		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	26.03	26.03	26.06	25.75	25.53	25.56	28.90	28.80	28.83	29.94	0.9863
80	1	215		25.95	25.99	25.96	25.63	25.41	25.38	28.80	28.72	28.69		
80	108	54		26.23	26.06	26.24	25.57	25.58	25.59	28.92	28.84	28.94		
80	1	0		20.18	20.05	20.09	19.84	19.48	19.52	23.02	22.78	22.82		
80	1	216		20.21	20.05	20.04	19.67	19.38	19.59	22.96	22.74	22.83		
80	216	0		24.57	24.53	24.59	24.37	23.98	23.93	27.48	27.27	27.28		
80	1	1	QPSK	26.18	25.90	26.00	25.75	25.46	25.40	28.98	28.70	28.72	29.98	0.9954
80	1	215		25.93	26.20	26.02	25.75	25.33	25.31	28.85	28.80	28.69		
80	108	54		26.14	25.97	26.13	25.78	25.46	25.39	28.97	28.73	28.79		
80	1	0		19.36	19.34	19.66	19.29	18.93	19.04	22.34	22.15	22.37		
80	1	216		19.41	19.51	19.74	19.19	18.92	18.98	22.31	22.24	22.39		
80	216	0		24.13	24.01	24.16	23.74	23.44	23.42	26.95	26.74	26.82		
80	1	1	16-QAM	25.36	25.24	25.05	24.94	24.60	24.63	28.17	27.94	27.86	29.17	0.8260
80	1	1	64-QAM	23.02	23.21	23.22	22.65	22.72	22.48	25.85	25.98	25.88		
80	1	1	256-QAM	20.69	20.36	20.22	20.32	19.80	19.52	23.52	23.10	22.89		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	26.16	26.26	26.26	25.74	25.45	25.42	28.97	28.88	28.87	29.97	0.9931
90	1	243		26.00	26.16	25.83	25.81	25.24	25.33	28.92	28.73	28.60		
90	120	60		26.12	26.08	26.28	25.75	25.49	25.53	28.95	28.81	28.93		
90	1	0		20.11	20.11	20.08	19.75	19.44	19.57	22.94	22.80	22.84		
90	1	244		20.07	20.24	19.86	19.81	19.30	19.58	22.95	22.81	22.73		
90	243	0		24.58	24.46	24.71	24.29	23.88	23.93	27.45	27.19	27.35		
90	1	1	QPSK	26.07	25.92	26.26	25.71	25.41	25.44	28.90	28.68	28.88	29.99	0.9977
90	1	243		26.12	26.00	26.00	25.83	25.43	25.20	28.99	28.73	28.63		
90	120	60		26.03	26.05	26.16	25.58	25.37	25.40	28.82	28.73	28.81		
90	1	0		19.48	19.53	19.62	19.25	18.95	18.90	22.38	22.26	22.29		
90	1	244		19.66	19.48	19.45	19.41	18.66	18.77	22.55	22.10	22.13		
90	243	0		24.06	24.03	24.21	23.67	23.37	23.55	26.88	26.72	26.90		
90	1	1	16-QAM	25.34	25.48	25.44	24.97	24.69	24.69	28.17	28.11	28.09	29.17	0.8260
90	1	1	64-QAM	23.18	23.23	23.36	22.76	22.63	22.72	25.99	25.95	26.06		
90	1	1	256-QAM	20.59	20.28	20.61	20.27	19.76	19.96	23.44	23.04	23.31		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	26.01	26.23	26.05	25.77	25.59	25.58	28.90	28.93	28.83	29.93	0.9840
100	1	271		26.02	26.12	26.15	25.74	25.42	25.53	28.89	28.79	28.86		
100	135	67		26.12	25.99	26.10	25.70	25.32	25.39	28.93	28.68	28.77		
100	1	0		20.28	20.11	20.25	19.95	19.83	19.66	23.13	22.98	22.98		
100	1	272		19.84	20.23	20.05	19.82	19.36	19.50	22.84	22.83	22.79		
100	270	0		24.62	24.51	24.61	24.33	23.92	23.99	27.49	27.24	27.32		
100	1	1	QPSK	26.29	26.18	26.01	25.47	25.49	25.49	28.91	28.86	28.77	29.95	0.9886
100	1	271		26.11	26.21	26.10	25.76	25.36	25.35	28.95	28.82	28.75		
100	135	67		25.97	25.88	26.09	25.65	25.35	25.35	28.82	28.63	28.75		
100	1	0		19.66	19.60	19.85	19.46	19.16	19.07	22.57	22.40	22.49		
100	1	272		19.45	19.74	19.50	19.20	18.98	18.83	22.34	22.39	22.19		
100	270	0		24.12	24.11	24.21	23.73	23.44	23.45	26.94	26.80	26.86		
100	1	1	16-QAM	25.32	25.33	25.38	25.04	24.72	24.74	28.19	28.05	28.08	29.19	0.8299
100	1	1	64-QAM	23.27	23.30	23.25	22.77	22.48	22.54	26.04	25.92	25.92		
100	1	1	256-QAM	20.39	20.28	20.45	20.08	19.77	19.77	23.25	23.04	23.13		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	25.72	25.78	25.92	25.31	25.28	25.61	28.53	28.55	28.78	29.87	0.9705
10	1	22		25.67	25.67	26.12	25.33	25.24	25.58	28.51	28.47	28.87		
10	12	6		25.71	25.84	26.05	25.29	25.29	25.63	28.52	28.58	28.86		
10	1	0		19.74	19.98	19.97	19.26	19.17	19.54	22.52	22.60	22.77		
10	1	23		19.58	19.76	19.85	19.25	19.11	19.47	22.43	22.46	22.67		
10	24	0		24.15	24.26	24.53	23.74	23.72	24.00	26.96	27.01	27.28		
10	1	1	QPSK	25.60	25.96	25.98	25.23	25.29	25.56	28.43	28.65	28.79	29.79	0.9528
10	1	22		25.77	25.82	26.02	25.27	25.17	25.47	28.54	28.52	28.76		
10	12	6		25.65	25.81	25.92	25.26	25.18	25.58	28.47	28.52	28.76		
10	1	0		19.22	19.37	19.36	18.71	18.73	19.02	21.98	22.07	22.20		
10	1	23		19.12	19.16	19.35	18.86	18.53	18.85	22.00	21.87	22.12		
10	24	0		23.60	23.74	23.98	23.20	23.17	23.49	26.41	26.47	26.75		
10	1	1	16-QAM	24.90	24.91	25.05	24.35	24.35	24.74	27.64	27.65	27.91	28.91	0.7780
10	1	1	64-QAM	22.67	22.98	22.89	22.04	22.41	22.49	25.38	25.71	25.70		
10	1	1	256-QAM	19.85	20.30	19.93	19.38	19.74	19.75	22.63	23.04	22.85		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	25.60	25.69	25.73	25.13	25.20	25.50	28.38	28.46	28.63	29.79	0.9528
15	1	36		25.69	25.49	25.95	25.40	25.05	25.40	28.56	28.29	28.69		
15	18	9		25.74	25.84	25.93	25.42	25.25	25.62	28.59	28.57	28.79		
15	1	0		19.68	19.78	19.75	19.24	19.20	19.57	22.48	22.51	22.67		
15	1	37		19.56	19.69	19.91	19.53	19.20	19.43	22.56	22.46	22.69		
15	36	0		24.13	24.31	24.42	23.79	23.73	24.02	26.97	27.04	27.23		
15	1	1	QPSK	25.63	25.73	25.69	25.14	25.29	25.42	28.40	28.53	28.57	29.69	0.9311
15	1	36		25.66	25.76	25.76	25.32	25.15	25.32	28.50	28.48	28.56		
15	18	9		25.63	25.68	25.84	25.28	25.06	25.51	28.47	28.39	28.69		
15	1	0		19.21	19.48	19.13	18.81	18.78	18.94	22.02	22.15	22.05		
15	1	37		19.22	19.14	19.42	18.93	18.70	18.82	22.09	21.94	22.14		
15	36	0		23.70	23.77	23.89	23.35	23.15	23.52	26.54	26.48	26.72		
15	1	1	16-QAM	24.81	24.74	24.94	24.40	24.25	24.69	27.62	27.51	27.83	28.83	0.7638
15	1	1	64-QAM	22.54	22.95	22.89	22.01	22.31	22.41	25.29	25.65	25.67		
15	1	1	256-QAM	20.15	20.43	20.27	19.73	19.75	20.08	22.96	23.11	23.19		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	25.79	26.05	25.85	25.31	25.32	25.53	28.57	28.71	28.70	29.72	0.9376
20	1	49		25.73	25.80	25.97	25.57	25.20	25.31	28.66	28.52	28.66		
20	25	12		25.85	25.88	25.88	25.51	25.30	25.53	28.69	28.61	28.72		
20	1	0		19.71	19.82	19.85	19.20	19.30	19.57	22.47	22.58	22.72		
20	1	50		19.64	19.47	19.77	19.46	19.24	19.34	22.56	22.37	22.57		
20	50	0		24.38	24.38	24.39	24.02	23.89	24.09	27.21	27.15	27.25		
20	1	1	QPSK	25.63	26.06	25.74	25.27	25.41	25.64	28.46	28.76	28.70	29.76	0.9462
20	1	49		25.76	25.61	25.86	25.64	25.17	25.45	28.71	28.41	28.67		
20	25	12		25.76	25.80	25.87	25.42	25.23	25.44	28.60	28.53	28.67		
20	1	0		19.17	19.50	19.32	18.74	18.81	19.03	21.97	22.18	22.19		
20	1	50		19.27	19.33	19.43	19.11	18.66	18.79	22.20	22.02	22.13		
20	50	0		23.83	23.87	23.86	23.54	23.26	23.57	26.70	26.59	26.73		
20	1	1	16-QAM	24.73	25.21	24.80	24.43	24.54	24.58	27.59	27.90	27.70	28.90	0.7762
20	1	1	64-QAM	22.57	22.91	22.74	22.27	22.39	22.64	25.43	25.67	25.70		
20	1	1	256-QAM	20.29	20.28	19.84	19.73	19.78	19.66	23.03	23.05	22.76		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
25	1	1	BPSK	25.81	26.07	25.71	25.40	25.36	25.51	28.62	28.74	28.62	29.94	0.9863
25	1	63		26.13	25.69	25.92	25.73	25.25	25.38	28.94	28.49	28.67		
25	32	16		25.90	25.83	26.00	25.74	25.44	25.59	28.83	28.65	28.81		
25	1	0		19.90	20.01	19.67	19.52	19.48	19.64	22.72	22.76	22.67		
25	1	64		19.96	19.67	20.09	19.79	19.38	19.45	22.89	22.54	22.79		
25	64	0		24.35	24.25	24.42	24.14	23.77	24.17	27.26	27.03	27.31		
25	1	1	QPSK	25.91	26.01	25.60	25.39	25.37	25.55	28.67	28.71	28.59	29.79	0.9528
25	1	63		25.88	25.68	25.80	25.67	25.28	25.32	28.79	28.49	28.58		
25	32	16		25.90	25.76	25.82	25.65	25.34	25.58	28.79	28.57	28.71		
25	1	0		19.43	19.70	19.29	18.93	19.07	19.14	22.20	22.41	22.23		
25	1	64		19.57	19.02	19.27	19.23	18.84	18.98	22.41	21.94	22.14		
25	64	0		23.94	23.84	23.90	23.57	23.34	23.50	26.77	26.61	26.71		
25	1	1	16-QAM	24.84	24.99	24.77	24.48	24.43	24.61	27.67	27.73	27.70	28.73	0.7464
25	1	1	64-QAM	23.07	23.04	22.57	22.62	22.36	22.66	25.86	25.72	25.63		
25	1	1	256-QAM	20.17	20.58	20.19	19.59	20.03	20.03	22.90	23.32	23.12		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	25.86	26.29	25.86	25.38	25.63	25.59	28.64	28.98	28.74	29.98	0.9954
30	1	76		26.06	25.75	26.13	25.62	25.33	25.63	28.86	28.56	28.90		
30	36	18		25.87	25.87	25.99	25.45	25.38	25.85	28.68	28.64	28.93		
30	1	0		19.82	19.91	19.68	19.23	19.56	19.40	22.55	22.75	22.55		
30	1	77		19.76	19.80	20.14	19.51	19.37	19.60	22.65	22.60	22.89		
30	75	0		24.28	24.31	24.44	23.98	23.85	24.22	27.14	27.10	27.34		
30	1	1	QPSK	25.78	25.99	25.91	25.38	25.46	25.72	28.59	28.74	28.83	29.88	0.9727
30	1	76		25.99	25.77	26.03	25.66	25.50	25.67	28.84	28.65	28.86		
30	36	18		25.82	25.80	26.00	25.41	25.20	25.73	28.63	28.52	28.88		
30	1	0		19.23	19.55	19.24	18.85	19.04	19.08	22.05	22.31	22.17		
30	1	77		19.35	19.19	19.43	19.01	18.87	19.07	22.19	22.04	22.26		
30	75	0		23.78	23.91	24.00	23.44	23.30	23.70	26.62	26.63	26.86		
30	1	1	16-QAM	24.91	25.02	24.84	24.45	24.55	24.80	27.70	27.80	27.83	28.83	0.7638
30	1	1	64-QAM	22.84	23.19	22.94	22.12	22.60	22.39	25.51	25.92	25.68		
30	1	1	256-QAM	20.31	20.14	20.25	19.91	19.69	20.05	23.12	22.93	23.16		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	25.74	25.96	25.51	25.24	25.43	25.16	28.51	28.71	28.35	29.87	0.9705
40	1	104		25.92	25.71	25.84	25.21	25.43	25.39	28.59	28.58	28.63		
40	50	25		25.95	25.86	25.88	25.76	25.32	25.59	28.87	28.61	28.75		
40	1	0		19.80	20.08	19.68	19.25	19.59	19.14	22.54	22.85	22.43		
40	1	105		20.07	19.57	19.92	19.27	19.25	19.36	22.70	22.42	22.66		
40	100	0		24.42	24.34	24.33	24.04	23.76	23.92	27.24	27.07	27.14		
40	1	1	QPSK	25.76	25.67	25.73	25.20	25.43	25.11	28.50	28.56	28.44	29.73	0.9397
40	1	104		25.76	25.52	25.99	25.34	25.33	25.39	28.57	28.44	28.71		
40	50	25		25.89	25.80	25.76	25.55	25.21	25.59	28.73	28.53	28.69		
40	1	0		19.21	19.48	19.16	18.79	18.90	18.68	22.02	22.21	21.94		
40	1	105		19.30	19.12	19.38	18.75	18.83	18.97	22.04	21.99	22.19		
40	100	0		23.99	23.84	23.71	23.49	23.42	23.46	26.76	26.65	26.60		
40	1	1	16-QAM	24.90	25.14	24.93	24.33	24.59	24.39	27.63	27.88	27.68	28.88	0.7727
40	1	1	64-QAM	22.68	22.88	22.65	22.19	22.37	22.04	25.45	25.64	25.37		
40	1	1	256-QAM	20.24	20.19	20.06	19.66	19.88	19.62	22.97	23.05	22.86		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	25.78	25.95	25.80	25.25	25.66	25.15	28.53	28.82	28.50	29.97	0.9931
50	1	131		25.88	25.90	26.06	25.24	25.61	25.47	28.58	28.77	28.79		
50	64	32		26.13	26.03	25.86	25.79	25.47	25.52	28.97	28.77	28.70		
50	1	0		19.92	20.18	20.15	19.29	19.72	19.25	22.63	22.97	22.73		
50	1	132		19.80	19.80	20.01	19.24	19.55	19.57	22.54	22.69	22.81		
50	128	0		24.52	24.51	24.28	23.93	24.08	24.03	27.25	27.31	27.17		
50	1	1	QPSK	25.86	25.96	25.72	25.19	25.55	25.08	28.55	28.77	28.42	29.87	0.9705
50	1	131		25.84	25.75	26.10	25.21	25.46	25.53	28.55	28.62	28.83		
50	64	32		26.07	25.97	25.78	25.64	25.48	25.55	28.87	28.74	28.68		
50	1	0		19.34	19.53	19.38	18.83	19.23	18.74	22.10	22.39	22.08		
50	1	132		19.36	19.22	19.65	18.72	19.10	18.99	22.06	22.17	22.34		
50	128	0		24.02	23.90	23.88	23.54	23.46	23.39	26.80	26.70	26.65		
50	1	1	16-QAM	25.18	25.18	25.03	24.48	24.80	24.37	27.85	28.00	27.72	29.00	0.7943
50	1	1	64-QAM	22.95	22.96	22.81	22.46	22.61	22.17	25.72	25.80	25.51		
50	1	1	256-QAM	20.24	20.09	20.15	19.66	19.78	19.26	22.97	22.95	22.74		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	25.76	25.72	25.94	25.16	25.58	25.19	28.48	28.66	28.59	29.67	0.9268
60	1	160		25.66	25.85	25.82	25.16	25.44	25.41	28.43	28.66	28.63		
60	81	40		25.82	25.79	25.57	25.50	25.28	25.45	28.67	28.55	28.52		
60	1	0		19.87	19.90	19.89	19.17	19.55	19.07	22.54	22.74	22.51		
60	1	161		19.47	19.57	19.89	19.31	19.47	19.33	22.40	22.53	22.63		
60	162	0		24.38	24.33	24.33	24.01	23.98	23.77	27.21	27.17	27.07		
60	1	1	QPSK	25.87	25.94	25.91	25.35	25.53	25.31	28.63	28.75	28.63	29.80	0.9550
60	1	160		25.66	25.76	26.14	25.25	25.52	25.40	28.47	28.65	28.80		
60	81	40		25.75	25.74	25.69	25.45	25.18	25.24	28.61	28.48	28.48		
60	1	0		19.35	19.39	19.49	18.83	19.05	18.59	22.11	22.23	22.07		
60	1	161		18.90	19.21	19.47	18.53	18.97	18.74	21.73	22.10	22.13		
60	162	0		23.86	23.80	23.91	23.38	23.47	23.36	26.64	26.65	26.65		
60	1	1	16-QAM	24.77	24.99	25.07	24.36	24.61	24.40	27.58	27.81	27.76	28.81	0.7603
60	1	1	64-QAM	22.70	22.67	22.93	22.29	22.55	22.33	25.51	25.62	25.65		
60	1	1	256-QAM	20.04	20.20	20.16	19.38	19.90	19.40	22.73	23.06	22.81		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	25.75	25.73	25.96	25.13	25.53	25.61	28.46	28.64	28.80	29.80	0.9550
70	1	187		25.45	25.54	26.05	25.34	25.51	25.32	28.41	28.54	28.71		
70	90	45		25.97	25.85	25.90	25.50	25.44	25.50	28.75	28.66	28.71		
70	1	0		19.81	19.98	20.00	19.19	19.67	19.58	22.52	22.84	22.81		
70	1	188		19.69	19.89	20.16	19.21	19.58	19.44	22.47	22.75	22.83		
70	180	0		24.35	24.33	24.36	23.90	23.90	23.94	27.14	27.13	27.17		
70	1	1	QPSK	25.77	25.83	25.92	25.21	25.48	25.63	28.51	28.67	28.79	29.79	0.9528
70	1	187		25.68	25.74	26.14	25.38	25.50	25.38	28.54	28.63	28.79		
70	90	45		25.91	25.81	25.75	25.41	25.32	25.44	28.68	28.58	28.61		
70	1	0		19.54	19.37	19.45	18.75	18.94	19.17	22.17	22.17	22.32		
70	1	188		18.89	19.24	19.54	18.85	18.94	18.87	21.88	22.10	22.23		
70	180	0		23.73	23.71	23.83	23.34	23.48	23.46	26.55	26.61	26.66		
70	1	1	16-QAM	25.07	24.82	25.19	24.36	24.72	24.90	27.74	27.78	28.06	29.06	0.8054
70	1	1	64-QAM	22.63	22.67	22.94	22.20	22.47	22.58	25.43	25.58	25.77		
70	1	1	256-QAM	19.85	20.14	20.34	19.47	19.76	19.86	22.67	22.96	23.12		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	25.90	25.70	25.83	25.31	25.42	25.60	28.63	28.57	28.73	29.82	0.9594
80	1	215		25.79	26.01	26.09	25.60	25.57	25.51	28.71	28.81	28.82		
80	108	54		25.99	25.80	25.78	25.56	25.46	25.40	28.79	28.64	28.60		
80	1	0		20.07	19.82	20.14	19.36	19.45	19.68	22.74	22.65	22.93		
80	1	216		19.80	20.06	20.07	19.60	19.53	19.41	22.71	22.81	22.76		
80	216	0		24.35	24.32	24.38	23.91	23.98	23.99	27.15	27.16	27.20		
80	1	1	QPSK	25.75	25.73	26.01	25.32	25.57	25.58	28.55	28.66	28.81	29.81	0.9572
80	1	215		25.73	25.97	26.11	25.48	25.56	25.38	28.62	28.78	28.77		
80	108	54		25.93	25.74	25.84	25.46	25.37	25.43	28.71	28.57	28.65		
80	1	0		19.36	19.29	19.51	18.77	19.10	19.13	22.09	22.21	22.33		
80	1	216		19.27	19.49	19.46	19.12	19.03	18.99	22.21	22.28	22.24		
80	216	0		23.83	23.79	23.79	23.46	23.44	23.49	26.66	26.63	26.65		
80	1	1	16-QAM	25.05	24.89	25.17	24.58	24.57	24.74	27.83	27.74	27.97	28.97	0.7889
80	1	1	64-QAM	22.99	22.70	22.93	22.40	22.46	22.59	25.72	25.59	25.77		
80	1	1	256-QAM	20.16	20.17	20.40	19.49	20.06	20.16	22.85	23.13	23.29		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	25.76	25.94	25.89	25.29	25.37	25.52	28.54	28.67	28.72	29.72	0.9376
90	1	243		25.79	25.80	25.98	25.55	25.56	25.43	28.68	28.69	28.72		
90	120	60		25.87	25.87	25.93	25.41	25.42	25.48	28.66	28.66	28.72		
90	1	0		19.68	19.84	19.91	19.21	19.46	19.68	22.46	22.66	22.81		
90	1	244		19.89	20.13	20.16	19.55	19.50	19.49	22.73	22.84	22.85		
90	243	0		24.29	24.24	24.56	24.04	23.97	24.11	27.18	27.12	27.35		
90	1	1	QPSK	25.87	25.78	25.81	25.29	25.36	25.64	28.60	28.59	28.74	29.76	0.9462
90	1	243		25.86	26.08	25.98	25.48	25.40	25.41	28.68	28.76	28.71		
90	120	60		25.83	25.90	25.96	25.36	25.41	25.46	28.61	28.67	28.73		
90	1	0		19.41	19.41	19.48	18.93	18.79	18.96	22.19	22.12	22.24		
90	1	244		19.27	19.54	19.65	19.01	19.00	19.03	22.15	22.29	22.36		
90	243	0		23.80	23.65	23.95	23.41	23.46	23.58	26.62	26.57	26.78		
90	1	1	16-QAM	25.03	25.00	25.06	24.61	24.62	24.77	27.84	27.82	27.93	28.93	0.7816
90	1	1	64-QAM	22.99	22.86	22.67	22.36	22.28	22.40	25.70	25.59	25.55		
90	1	1	256-QAM	20.14	20.12	19.99	19.58	19.89	19.95	22.88	23.02	22.98		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	-	26.03	-	-	25.40	-	-	28.74	-	29.82	0.9594
100	1	271		-	26.17	-	-	25.42	-	-	28.82	-		
100	135	67		-	25.76	-	-	25.31	-	-	28.55	-		
100	1	0		-	20.05	-	-	19.47	-	-	22.78	-		
100	1	272		-	20.31	-	-	19.49	-	-	22.93	-		
100	270	0		-	24.40	-	-	24.00	-	-	27.21	-		
100	1	1	QPSK	-	25.88	-	-	25.35	-	-	28.63	-	29.72	0.9376
100	1	271		-	26.07	-	-	25.31	-	-	28.72	-		
100	135	67		-	25.78	-	-	25.28	-	-	28.55	-		
100	1	0		-	19.48	-	-	18.89	-	-	22.21	-		
100	1	272		-	19.71	-	-	18.94	-	-	22.35	-		
100	270	0		-	23.75	-	-	23.43	-	-	26.60	-		
100	1	1	16-QAM	-	25.16	-	-	24.58	-	-	27.89	-	28.63	0.7295
100	1	1	64-QAM	-	22.97	-	-	22.59	-	-	25.79	-		
100	1	1	256-QAM	-	20.46	-	-	19.87	-	-	23.19	-		
Limit	EIRP < 1W			Result									Pass	

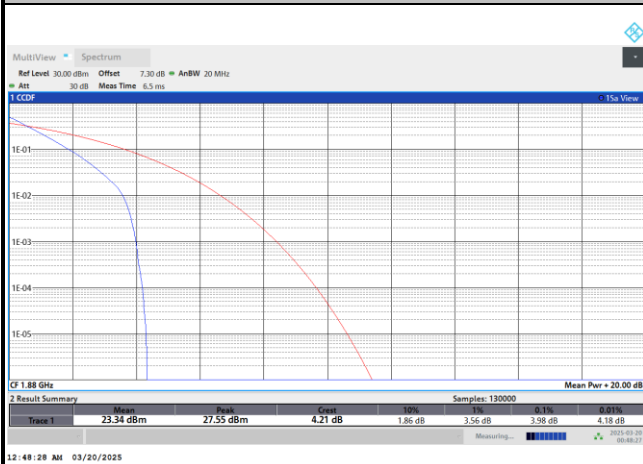
**FR1 n2****Peak-to-Average Ratio**

Mode	FR1 n2 / 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	3.98	4.58	5.86	6.18	PASS
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.82				PASS

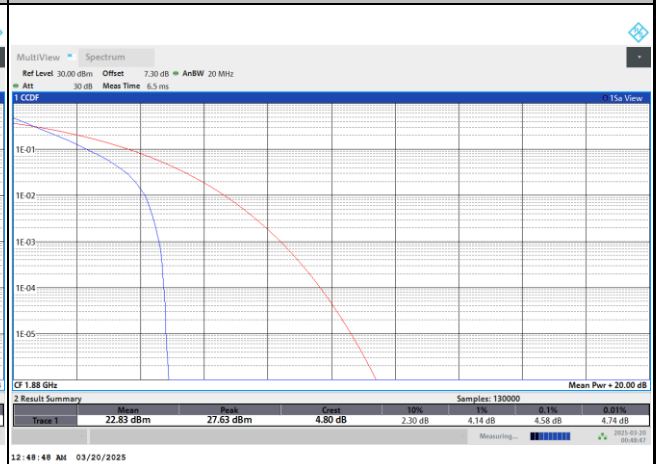


FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

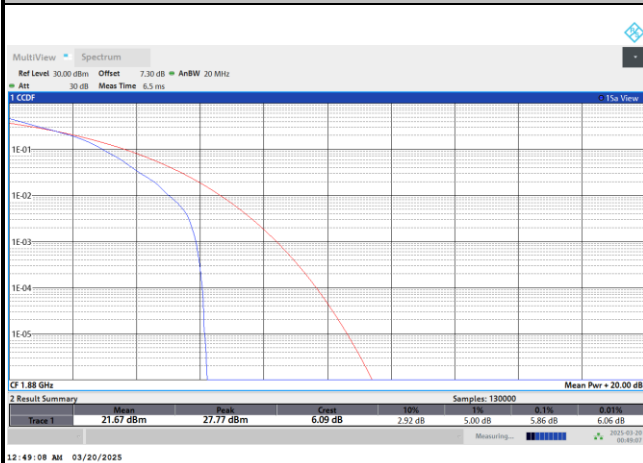
PI/2 BPSK



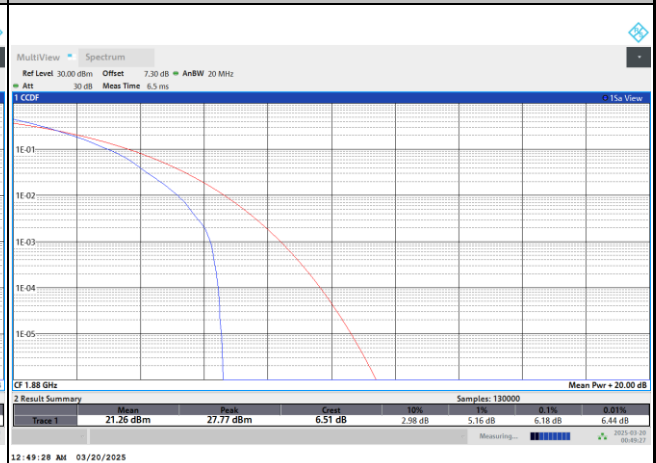
QPSK



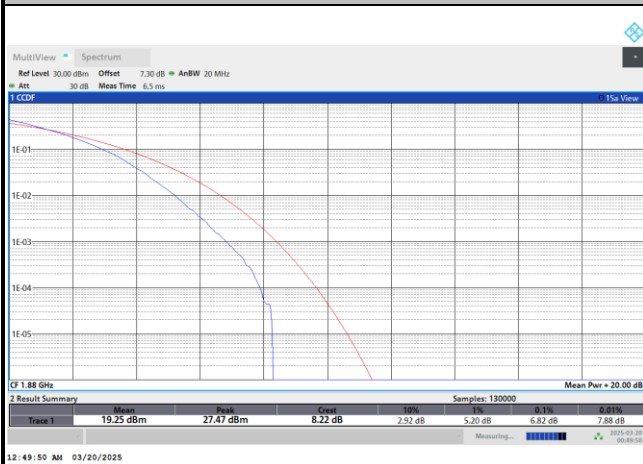
16QAM



64QAM



256QAM



**26dB Bandwidth**

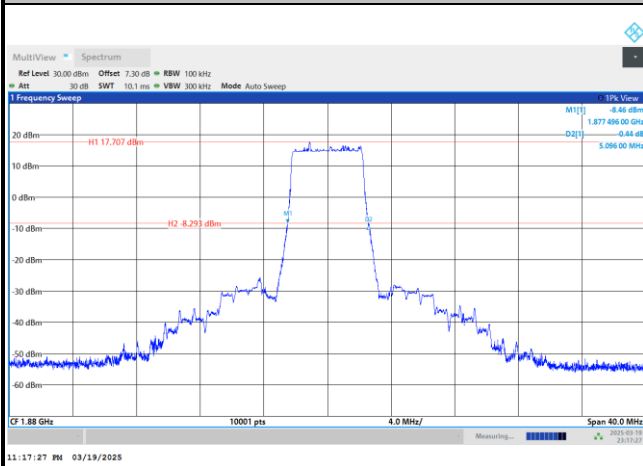
Mode	FR1 n2 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.09		9.84		14.84		19.39	
Mode	FR1 n2 : 26dB BW(MHz) / DFT-S OFDM							
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	24.35		31.02		34.60		41.25	

Mode	FR1 n2 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.26	5.24	10.36	10.28	15.57	15.63	20.54	20.51
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.25	5.20	10.17	10.30	15.67	15.67	20.44	20.51
Mode	FR1 n2 : 26dB BW(MHz) / CP OFDM							
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.33	25.28	31.12	31.07	36.11	36.12	41.19	41.14
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	25.37	25.20	31.17	31.07	36.27	35.99	41.08	41.10



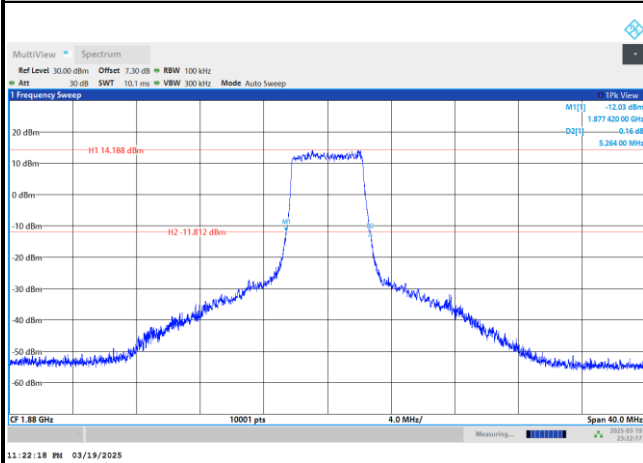
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

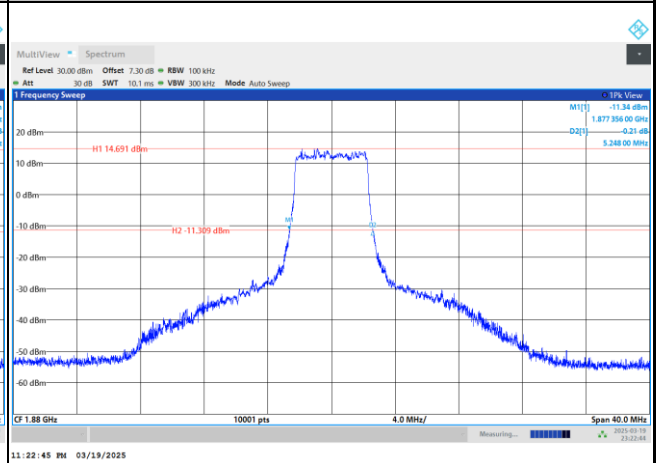


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

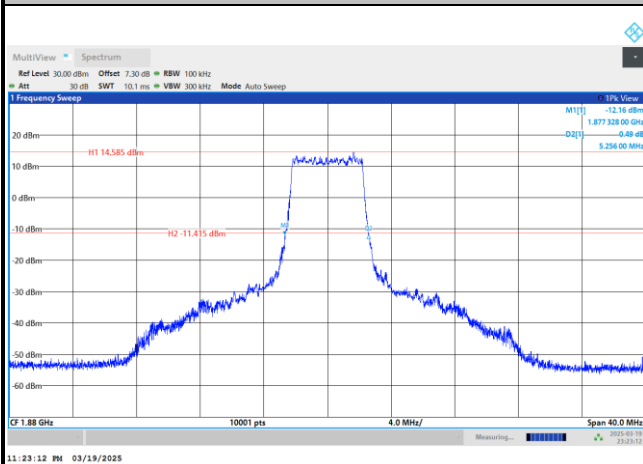
QPSK



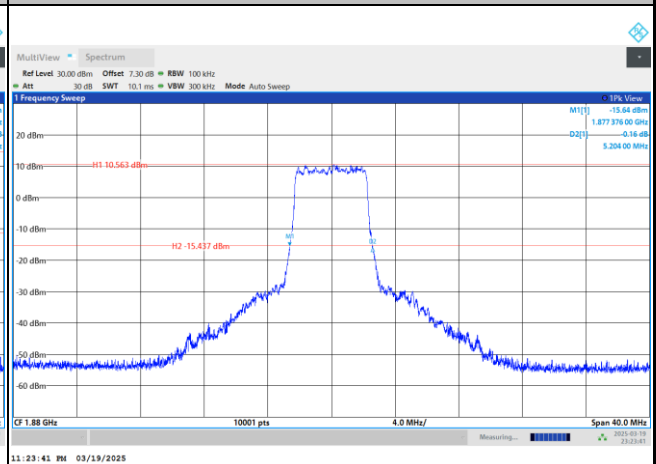
16QAM



64QAM



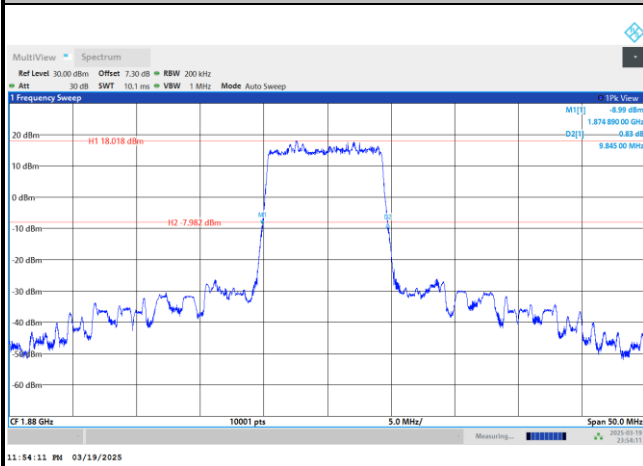
256QAM





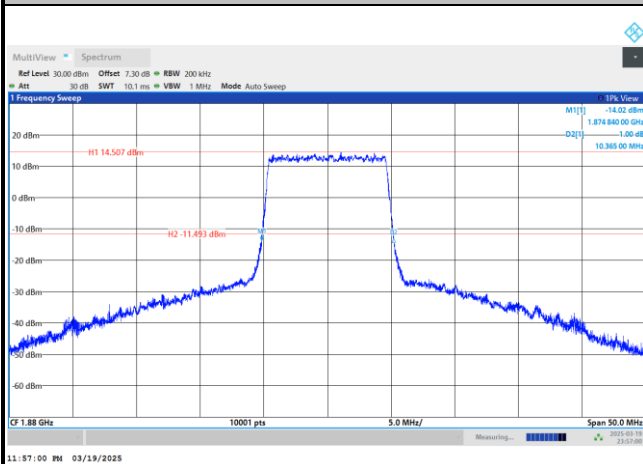
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

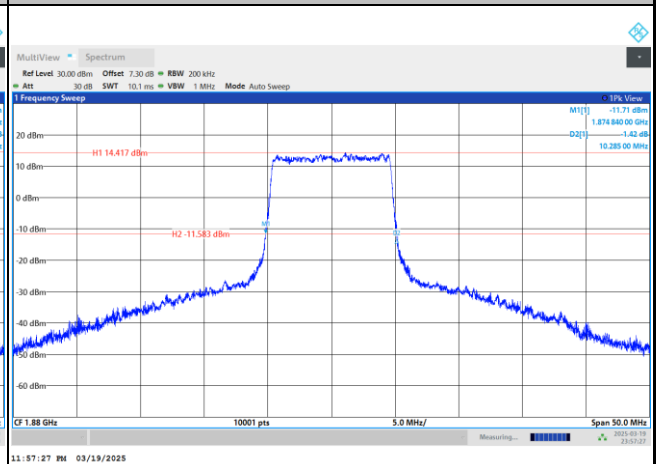


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

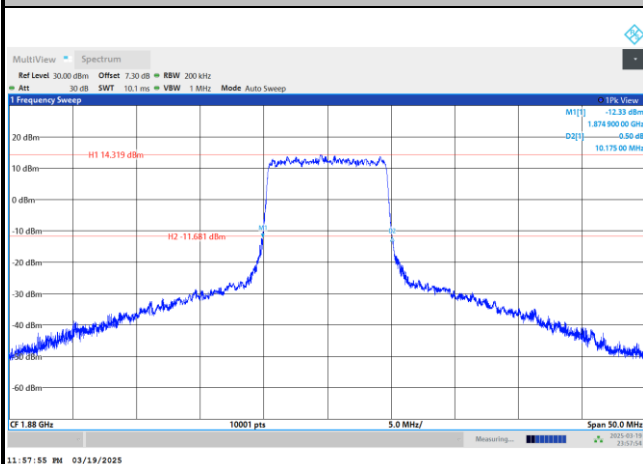
QPSK



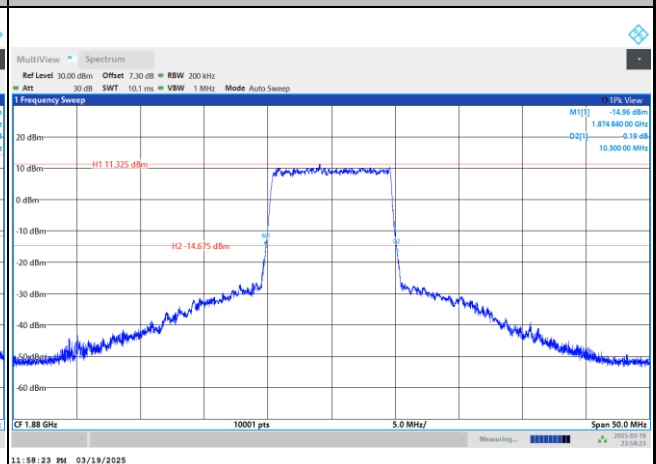
16QAM



64QAM



256QAM





MultiView Spectrum

Ref Level 30.00 dBm Offset 7.30 dB RBW 500 kHz

Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep

1 Frequency Sweep

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

H1 20.697 dBm

H2 -5.303 dBm

10001 pts

6.0 MHz

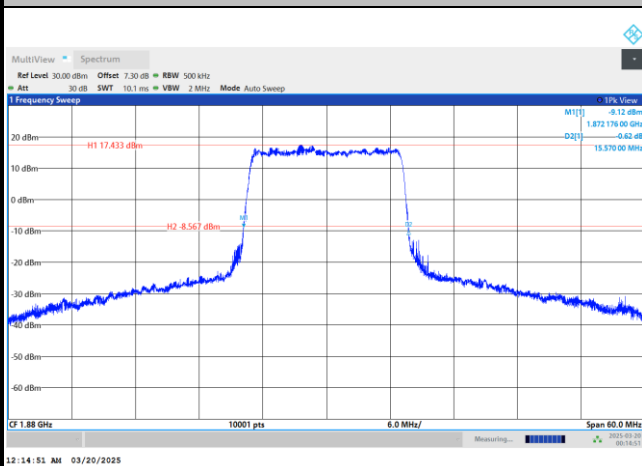
CF: 1.88 GHz

Span 60.0 MHz

Measuring...

12:12:01 AM 03/20/2025

QPSK



MultiView Spectrum

Ref Level 30.00 dBm Offset 7.30 dB RBW 500 kHz

Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep

1 Frequency Sweep

17.334 dBm

-8.666 dBm

CF 1.88 GHz 10001 pts 6.0 MHz/Hz Span 60.0 MHz

Measuring...

12:15:18 AM 03/20/2025

MultiView Spectrum

Ref Level 30.00 dBm Offset 7.30 dB RBW 500 kHz

Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep

1 Frequency Sweep

10% View

M1[1] -11.02 dBm
1.872 MHz

M2[1] -1.40 dBm
15.678 MHz

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm

H1 16.728 dBm

H2 -9.272 dBm

CF 1.88 GHz 10001 pts 6.0 MHz/ Span 60.0 MHz

Measuring...

12:15:45 AM 03/20/2025

MultiView ☐ Spectrum

Ref Level 30.00 dBm Offset 7.30 dB RBW 500 kHz

Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep

1 Frequency Sweep

10 dB View

M11 -16.83 dBm
1.872 146.00 MHz

D21 -2.77 dB
15.672 00 MHz

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

H1 13.729 dBm

H2 -12.271 dBm

CF 1.88 GHz

10001 pts

6.0 MHz/

Span 60.0 MHz

Measuring...

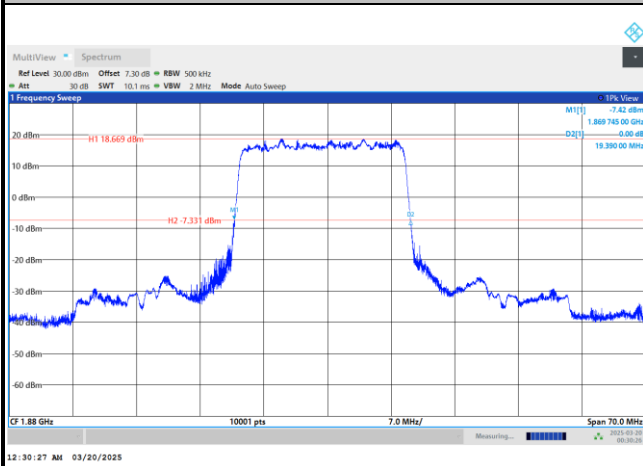
2023/01/18 09:10:18

12:16:14 AM 03/20/2025



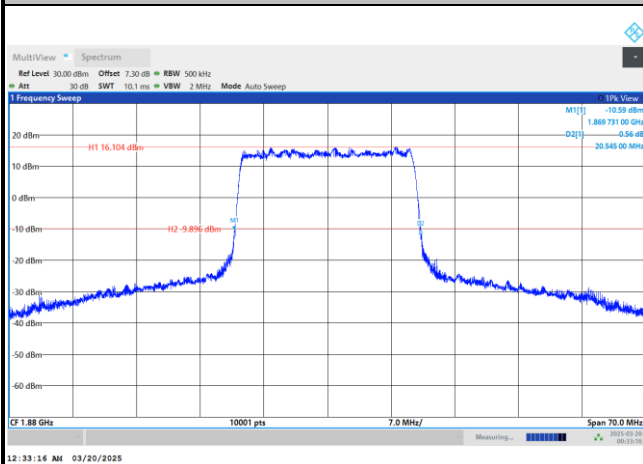
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

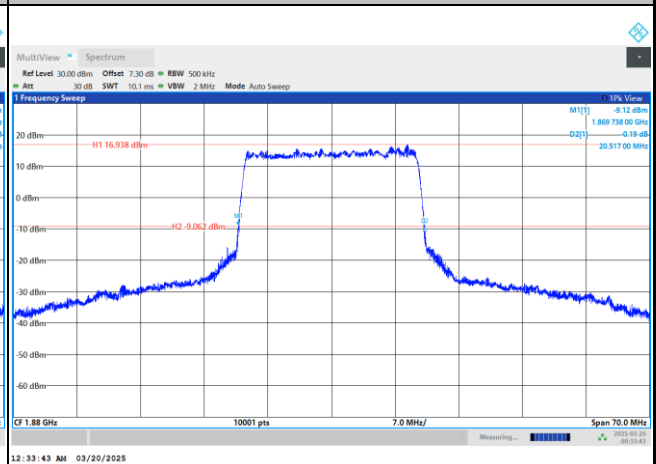


FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

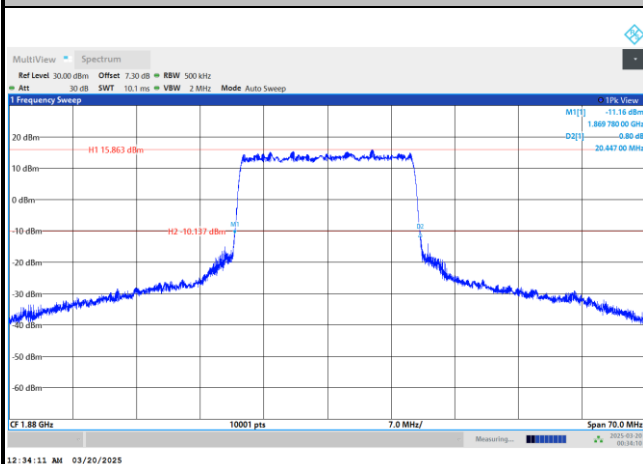
QPSK



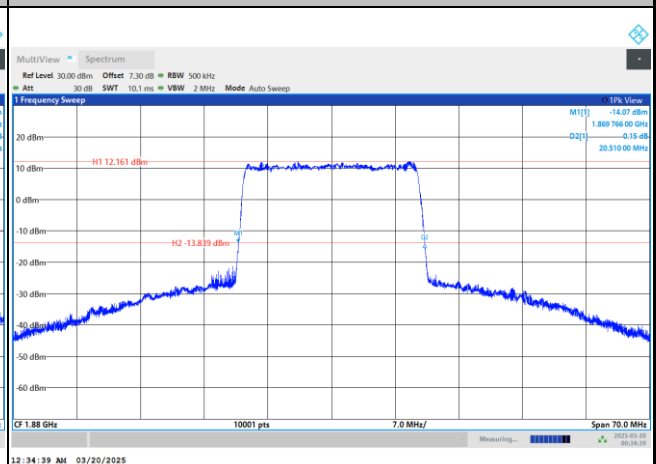
16QAM



64QAM



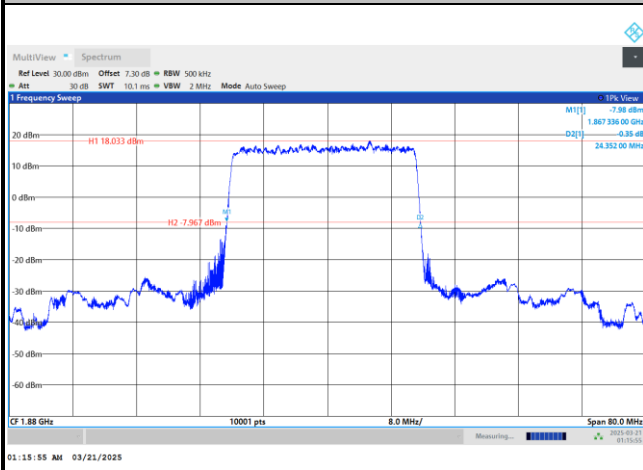
256QAM





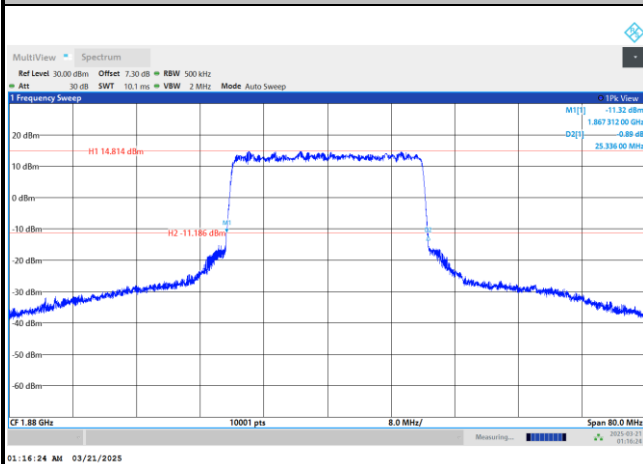
FR1 n2 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

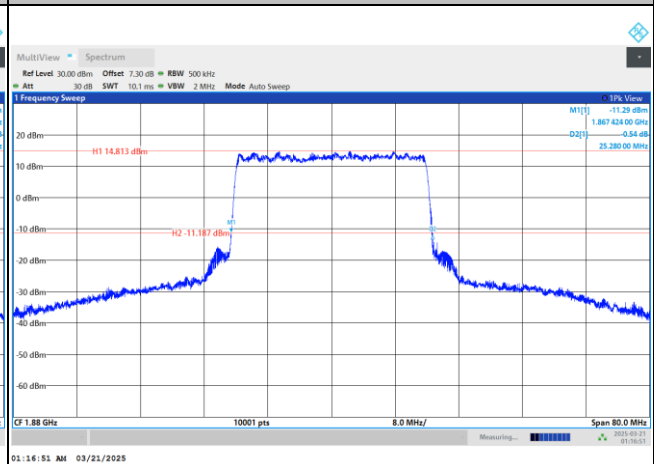


FR1 n2 / 25MHz / CP OFDM / Middle Channel / Full RB

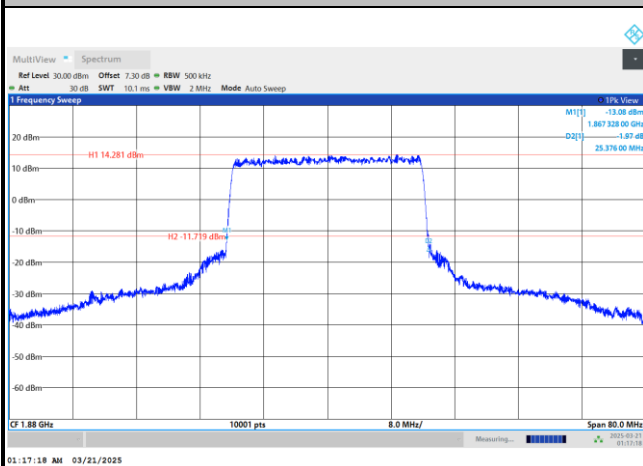
QPSK



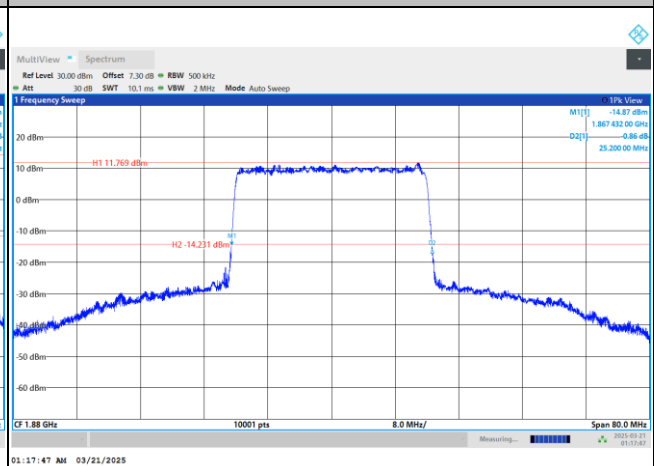
16QAM

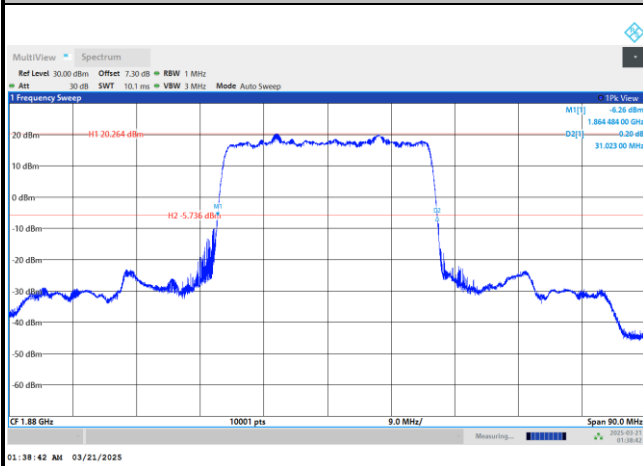
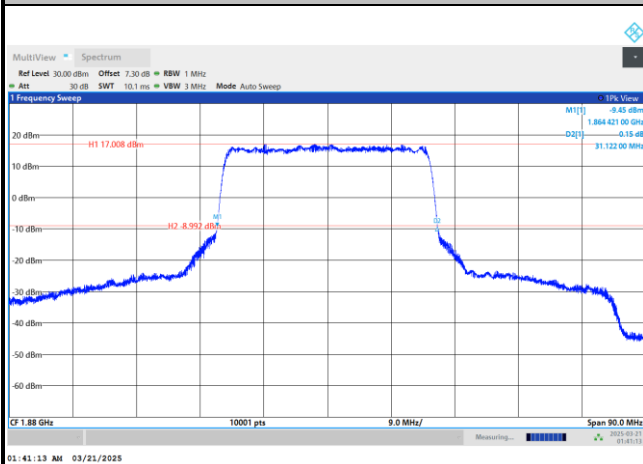
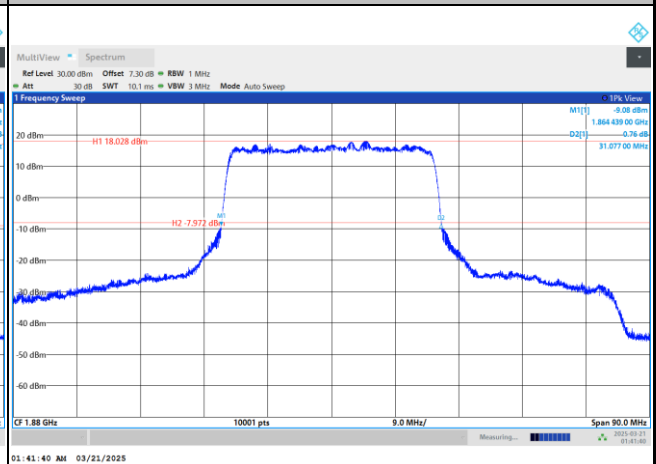
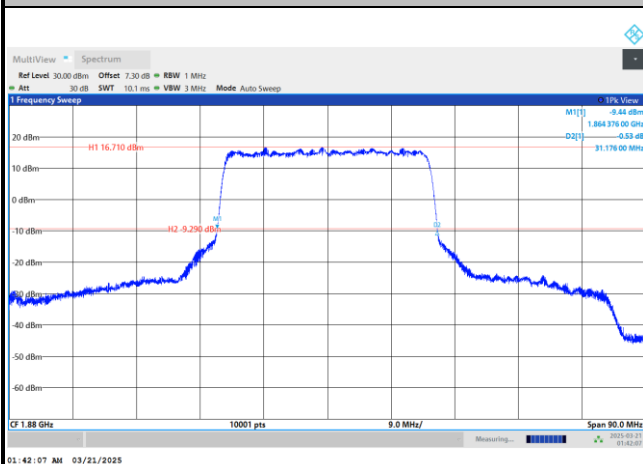
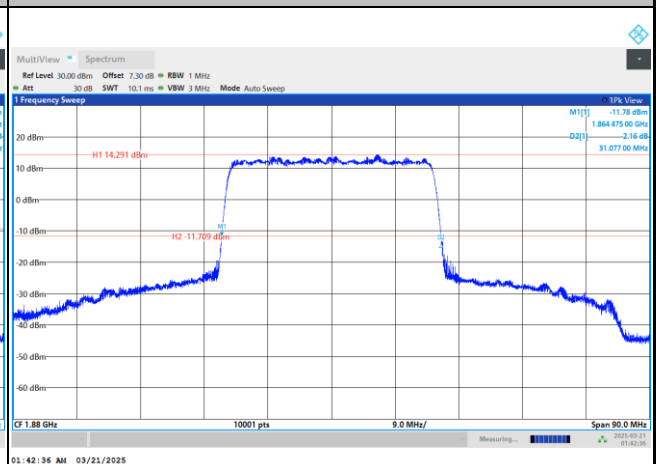


64QAM



256QAM

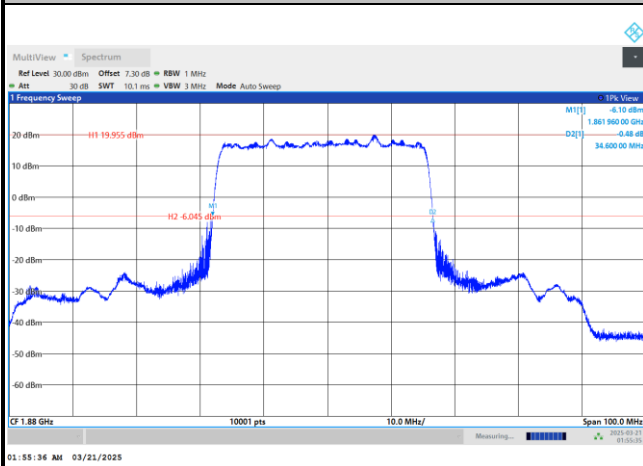


FR1 n2 / 30MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n2 / 30MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM




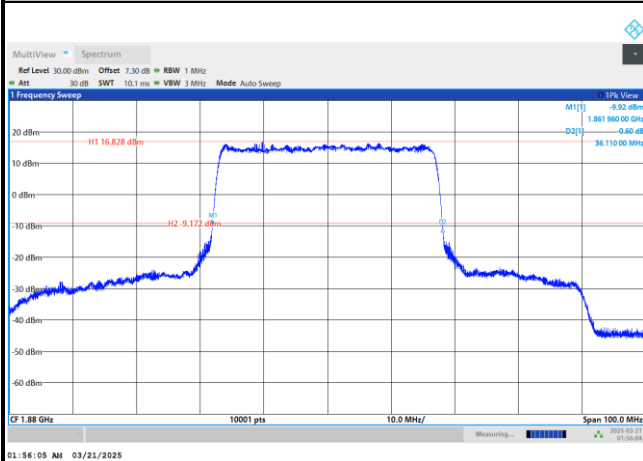
FR1 n2 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

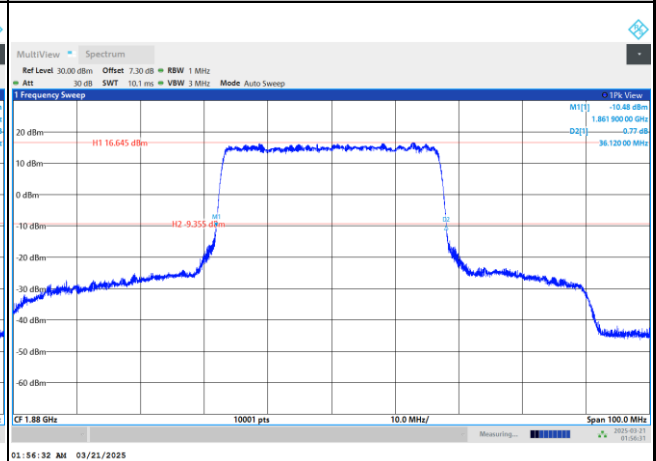


FR1 n2 / 35MHz / CP OFDM / Middle Channel / Full RB

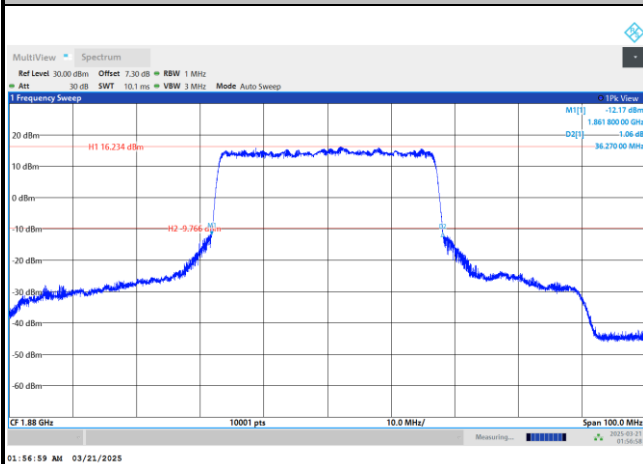
QPSK



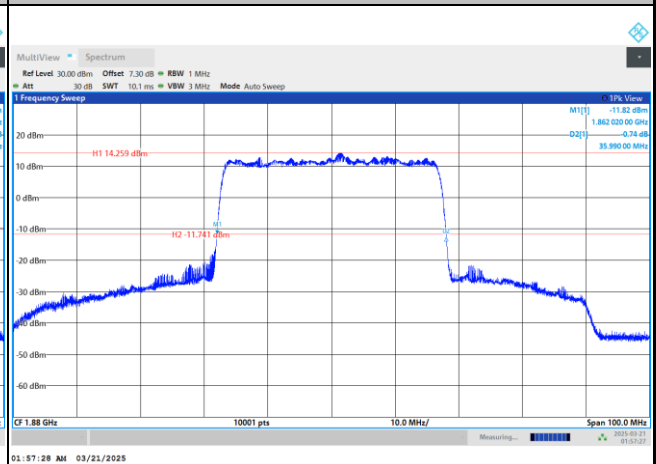
16QAM



64QAM



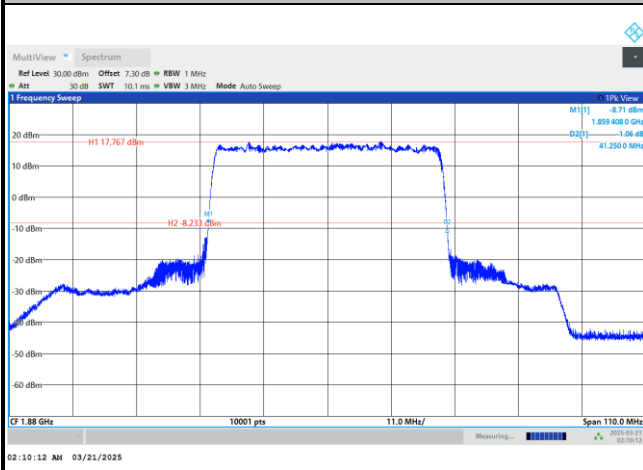
256QAM





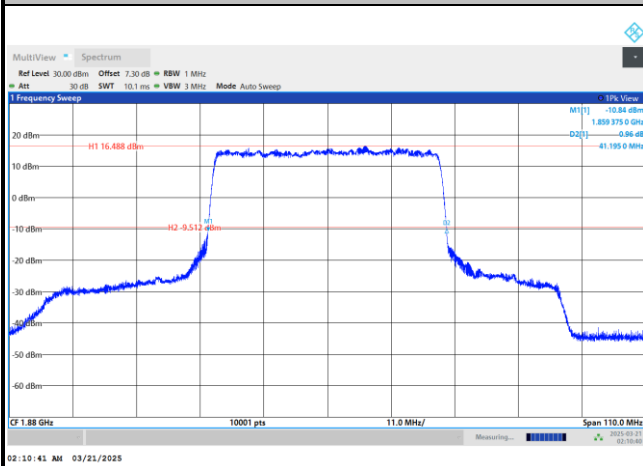
FR1 n2 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

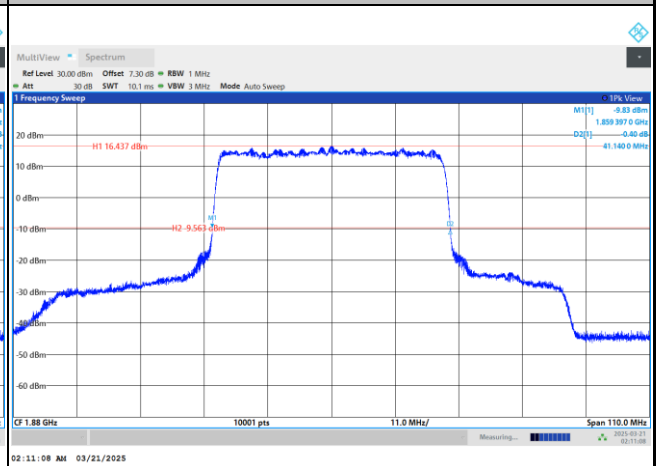


FR1 n2 / 40MHz / CP OFDM / Middle Channel / Full RB

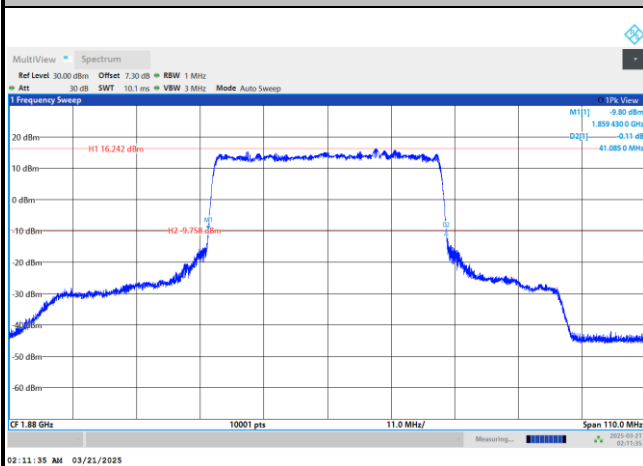
QPSK



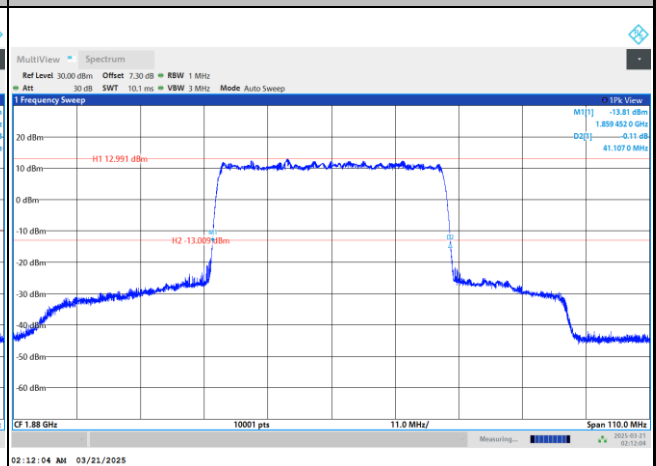
16QAM



64QAM



256QAM



**Occupied Bandwidth**

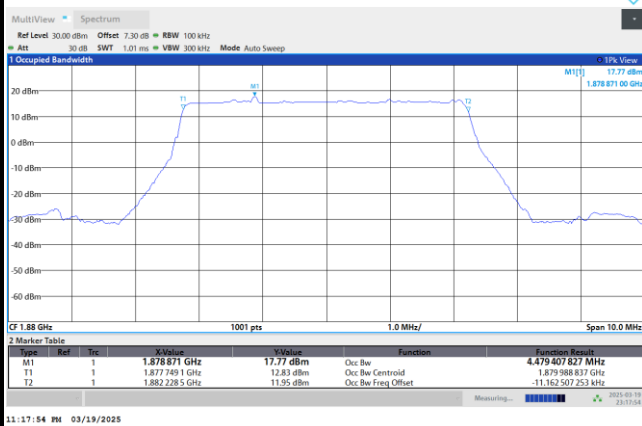
Mode	FR1 n2 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.47		8.96		13.58		17.98	
Mode	FR1 n2 : 99%OBW(MHz) / DFT-S OFDM							
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	22.98		28.93		32.46		38.68	

Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.54	9.35	9.33	14.27	14.29	19.00	19.07
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.51	4.50	9.30	9.35	14.30	14.27	19.03	19.11
Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.80	23.81	28.87	28.86	33.88	33.84	38.77	38.71
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.80	23.81	28.87	28.83	33.86	33.83	38.89	38.72



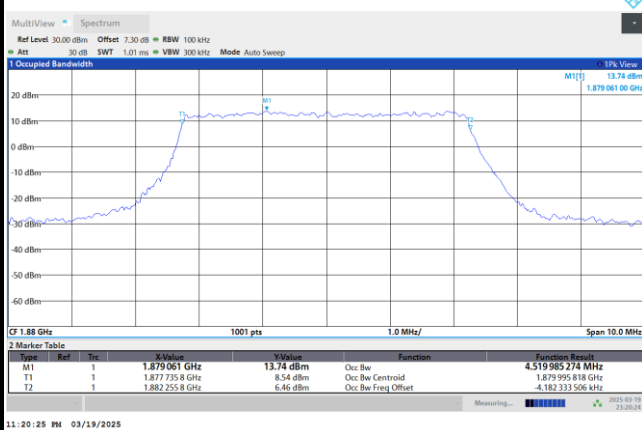
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

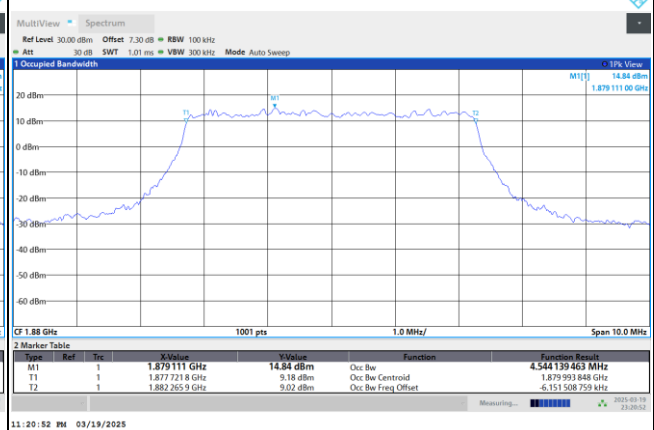


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

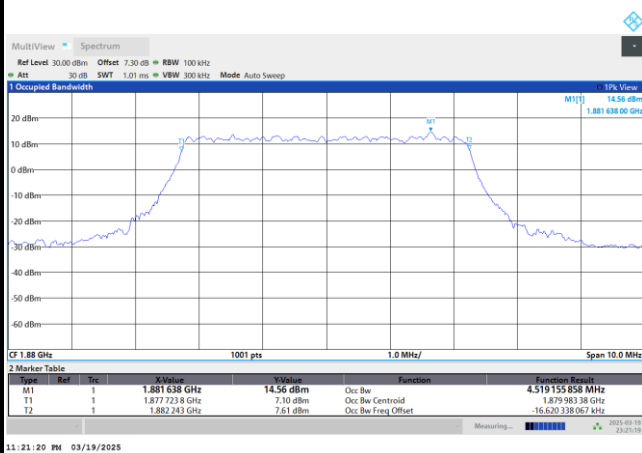
QPSK



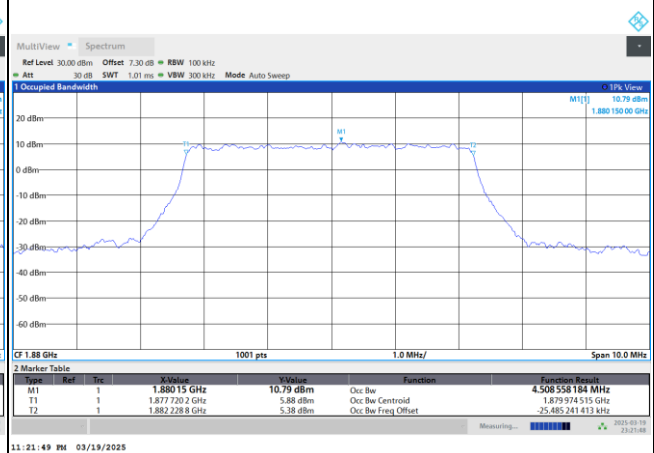
16QAM



64QAM

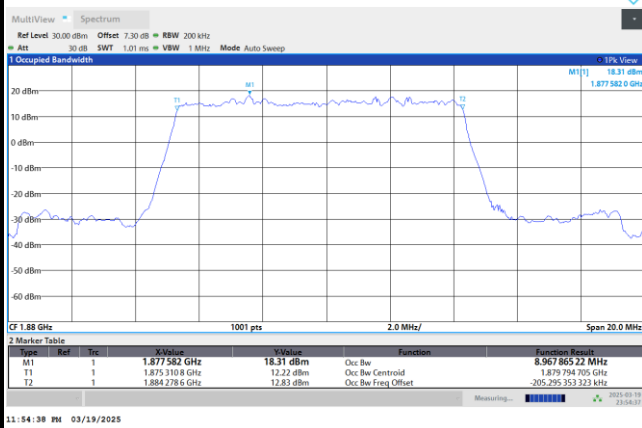


256QAM



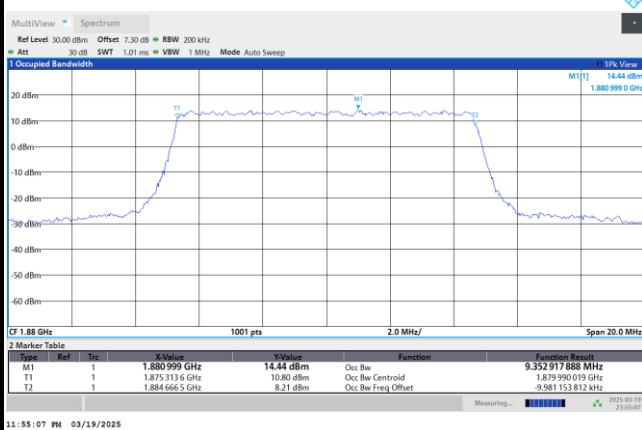
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

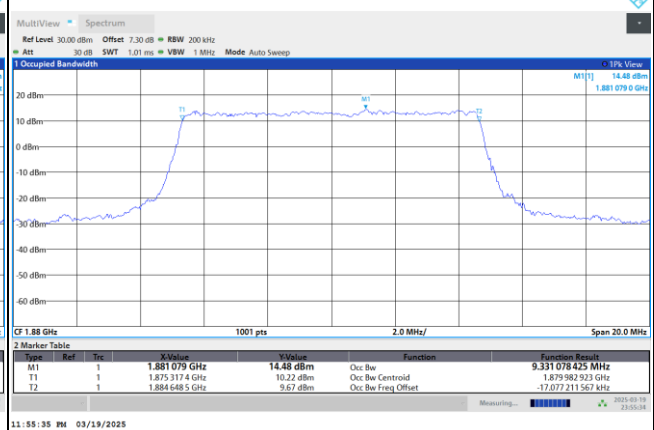


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

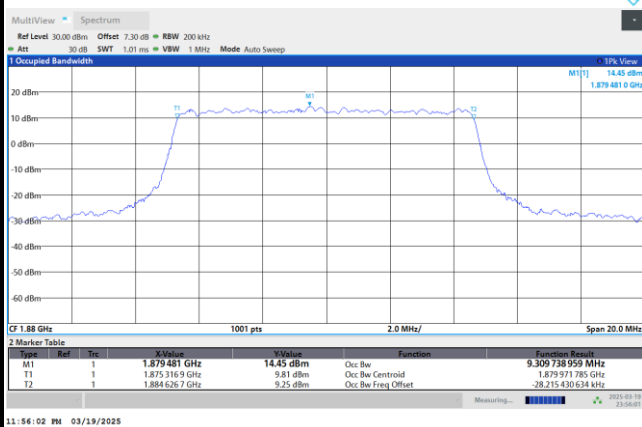
QPSK



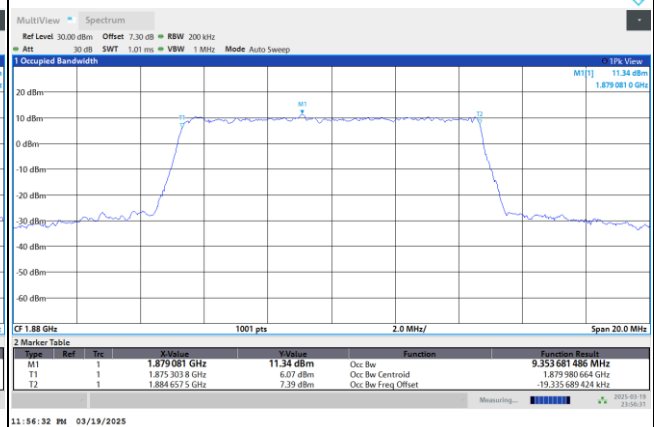
16QAM



64QAM

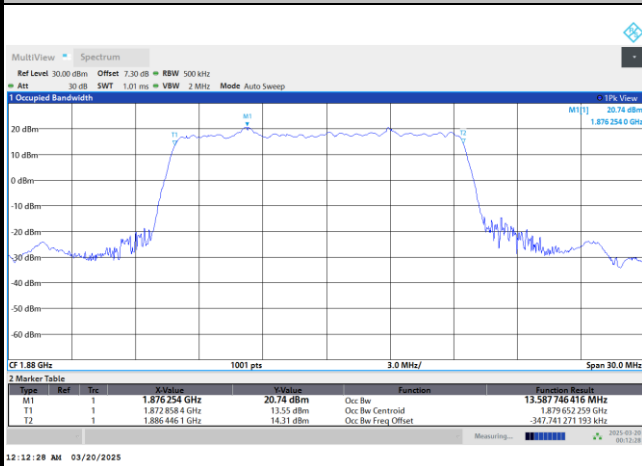


256QAM



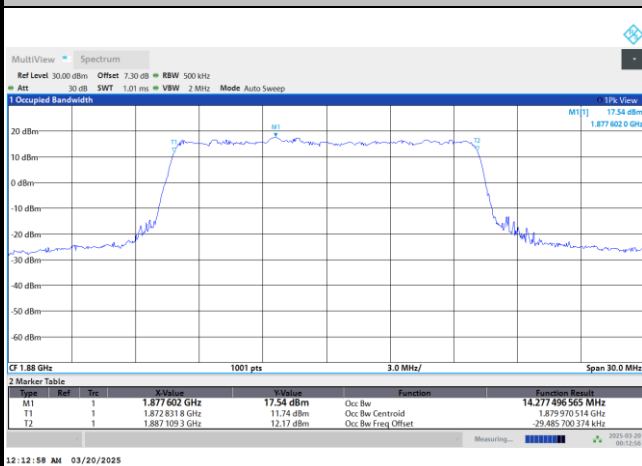
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

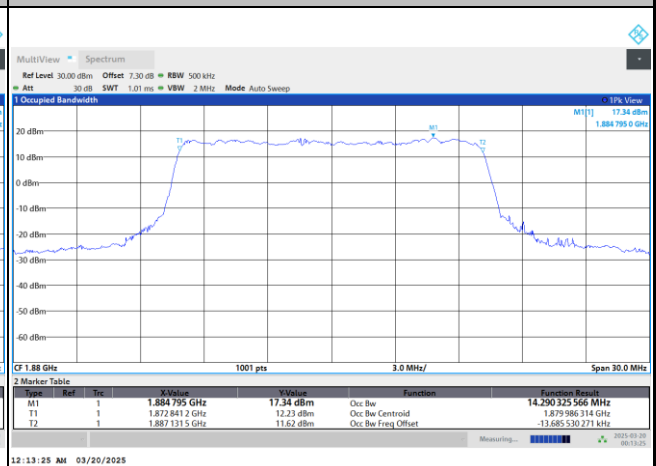


FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB

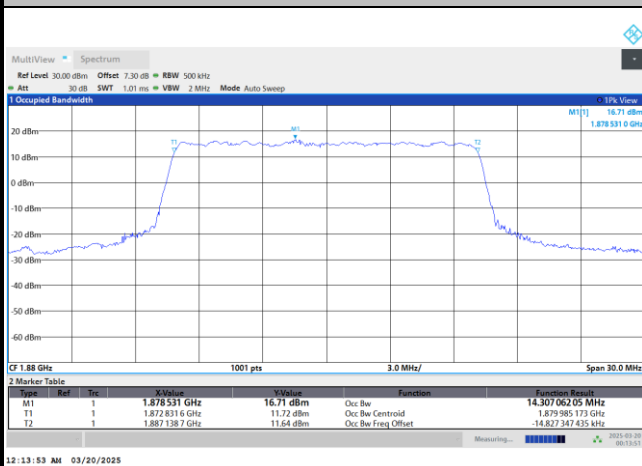
QPSK



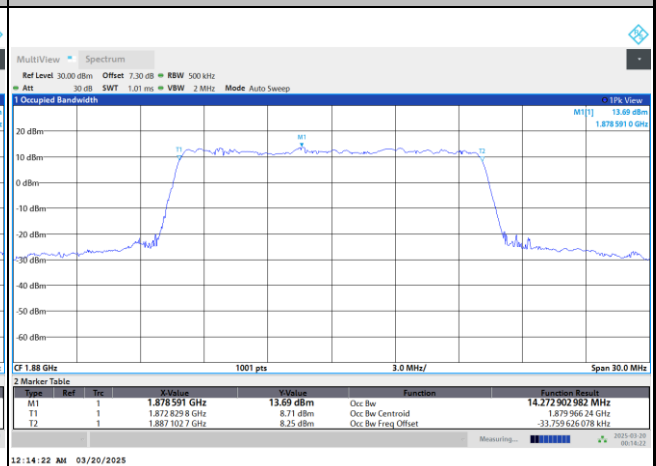
16QAM



64QAM



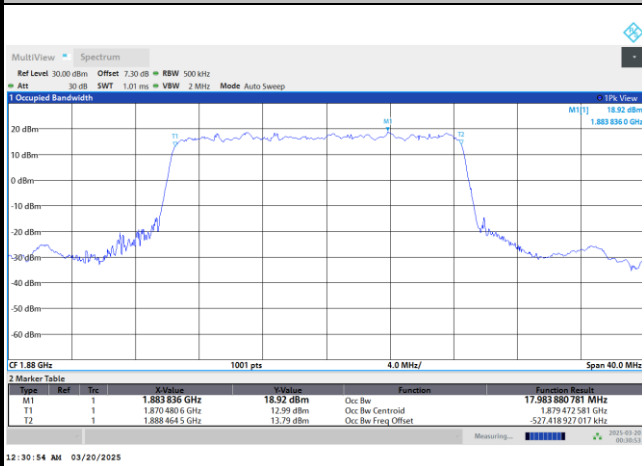
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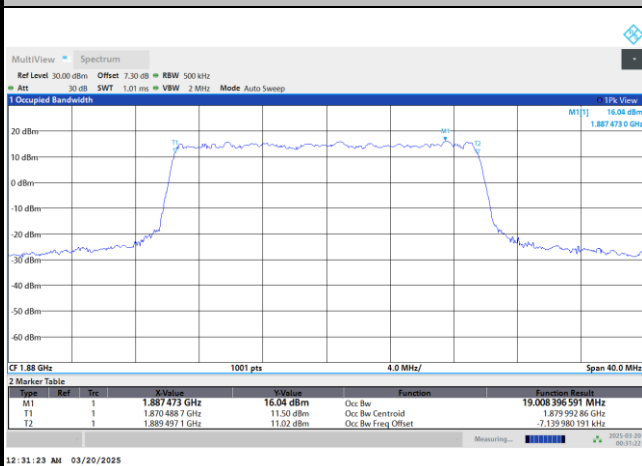
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

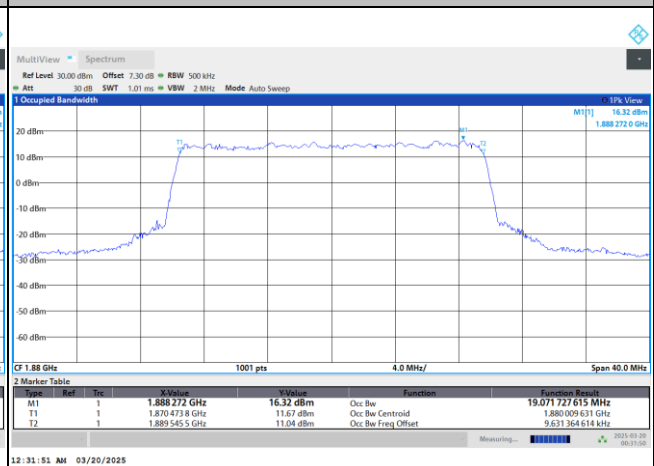


FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

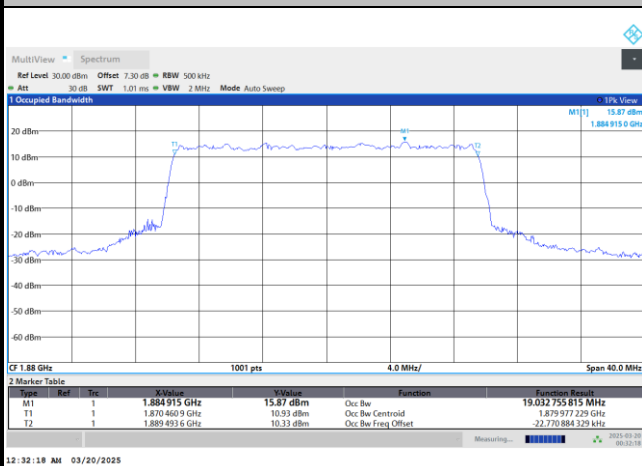
QPSK



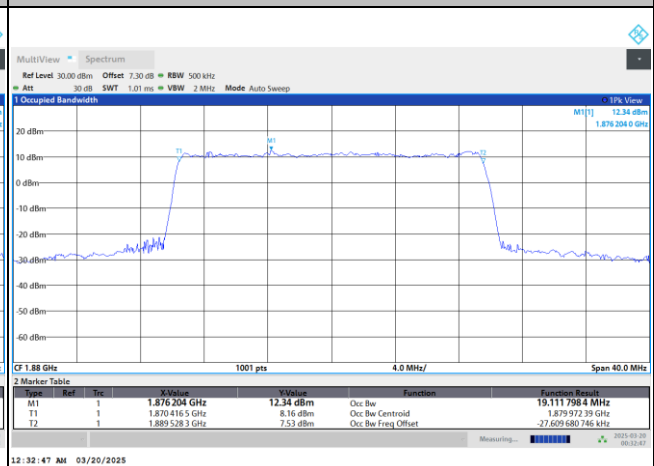
16QAM



64QAM

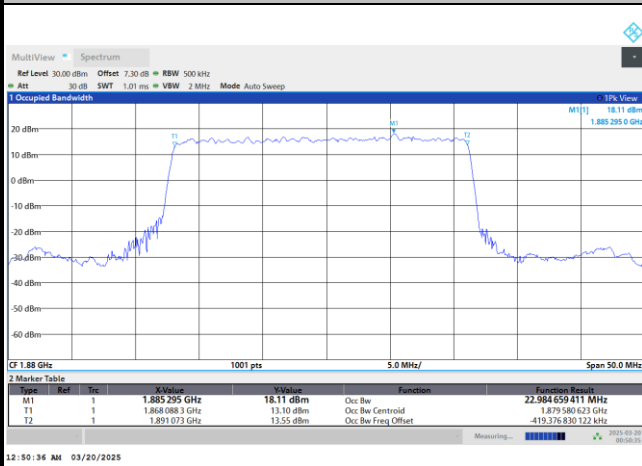


256QAM



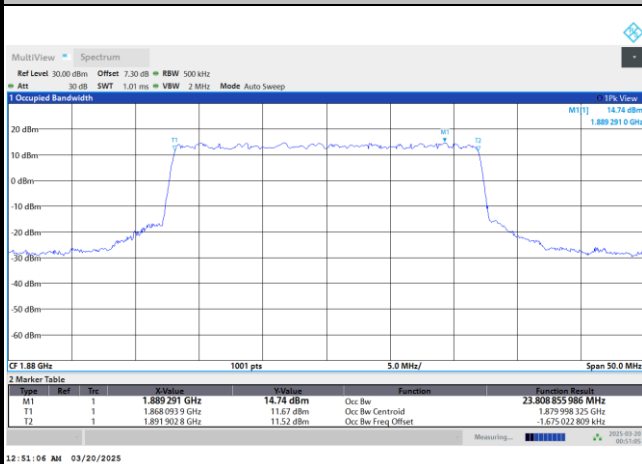
FR1 n2 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

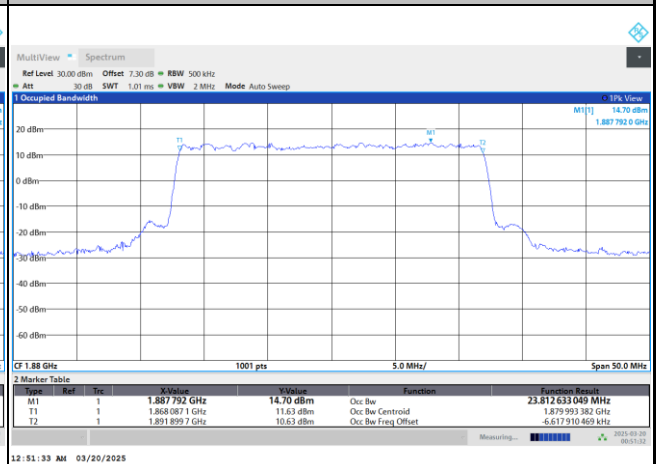


FR1 n2 / 25MHz / CP OFDM / Middle Channel / Full RB

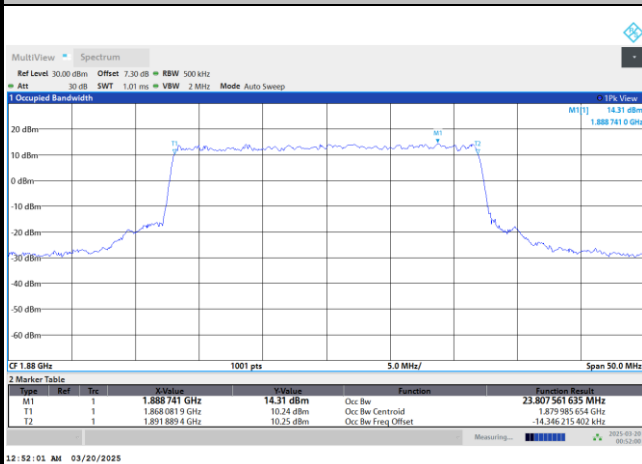
QPSK



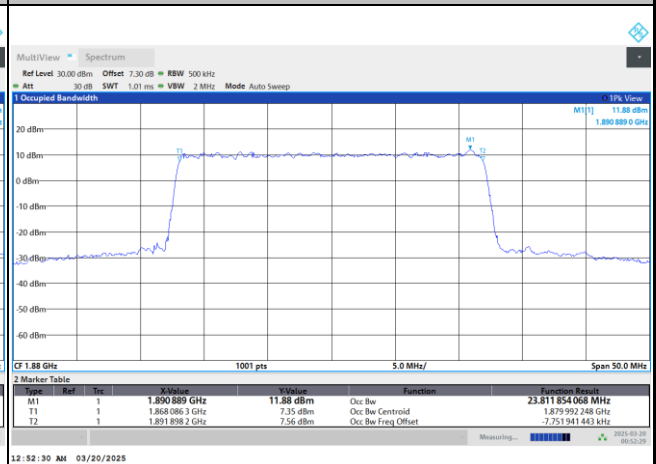
16QAM



64QAM

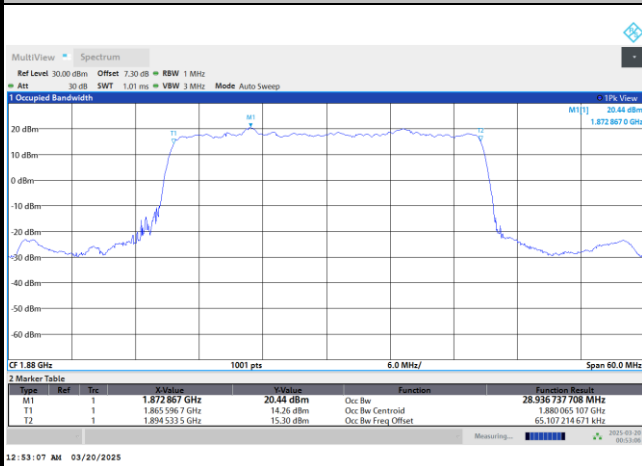


256QAM



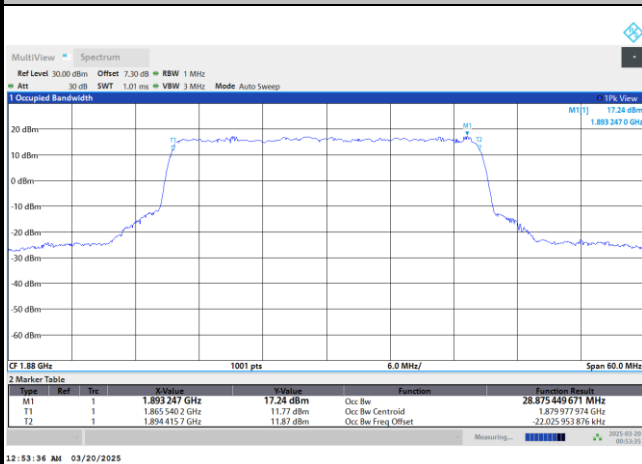
FR1 n2 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

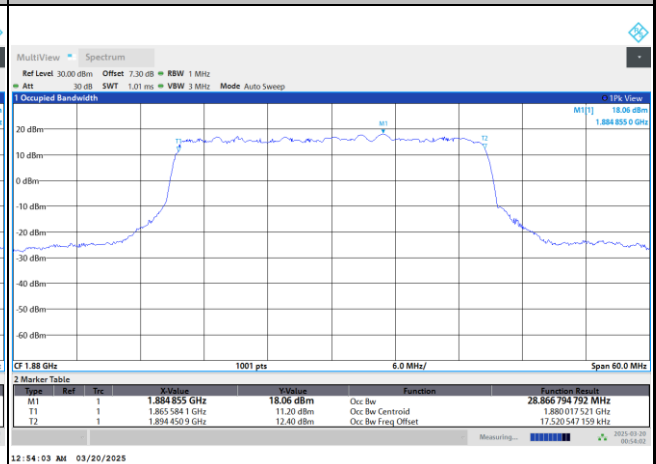


FR1 n2 / 30MHz / CP OFDM / Middle Channel / Full RB

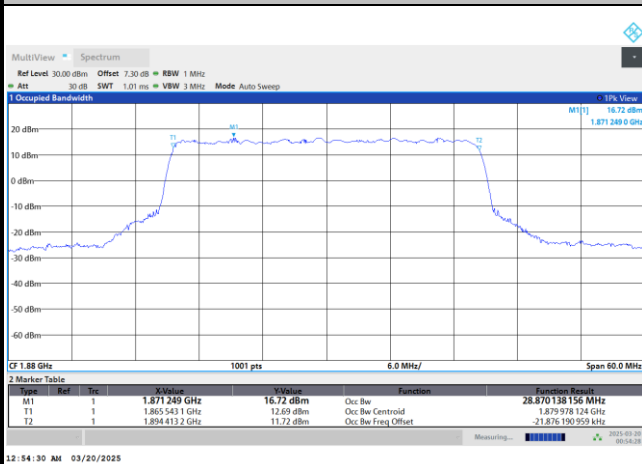
QPSK



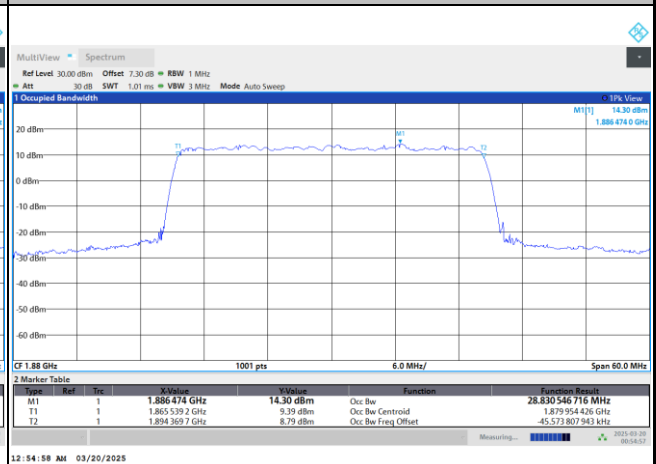
16QAM



64QAM



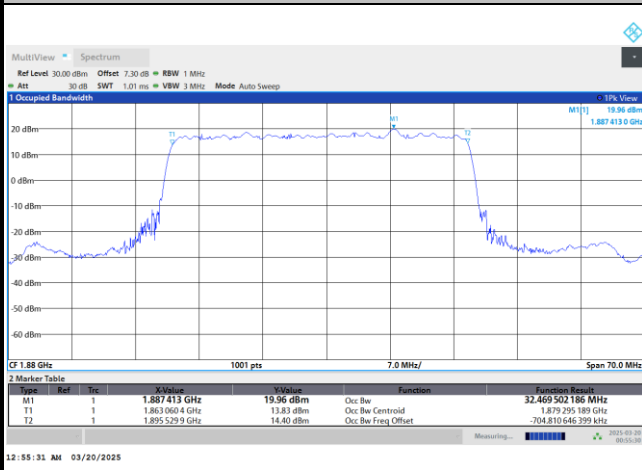
256QAM





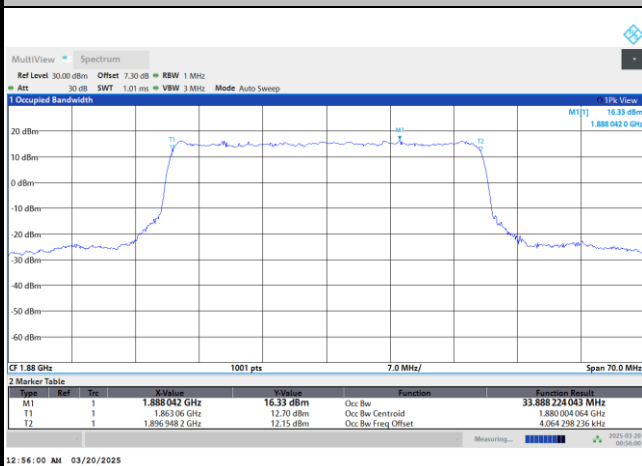
FR1 n2 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

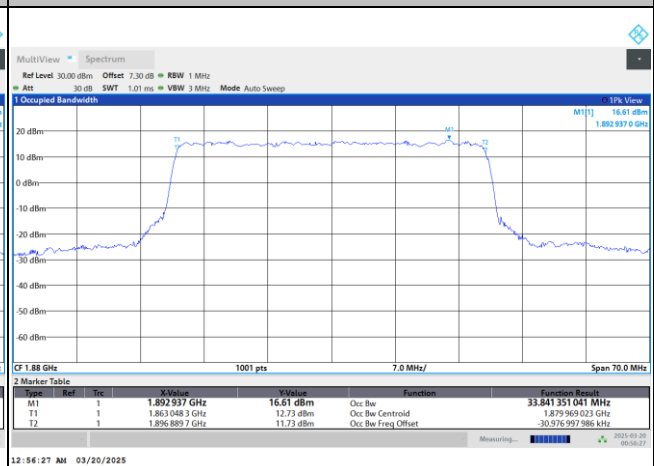


FR1 n2 / 35MHz / CP OFDM / Middle Channel / Full RB

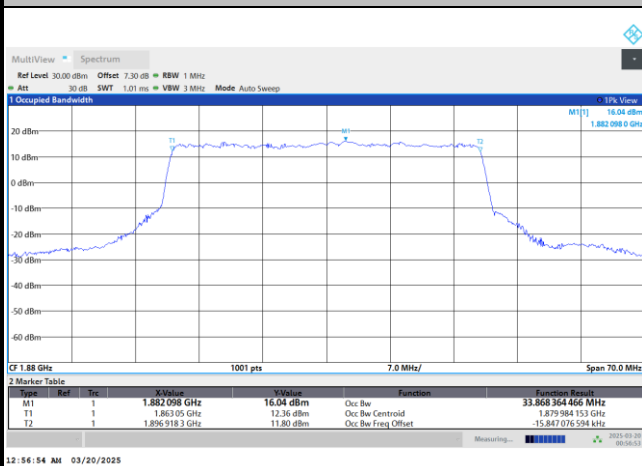
QPSK



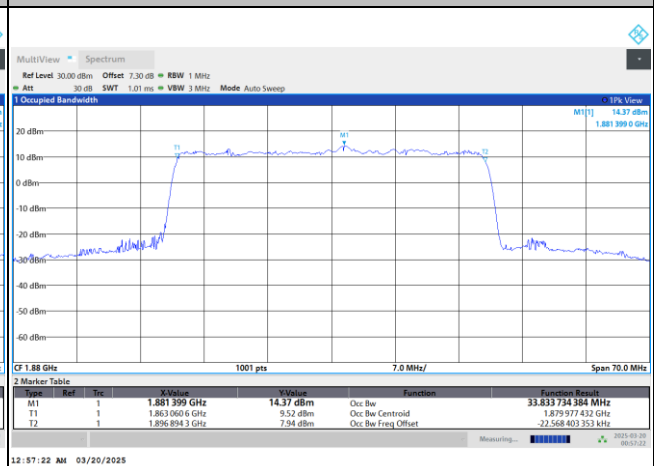
16QAM



64QAM

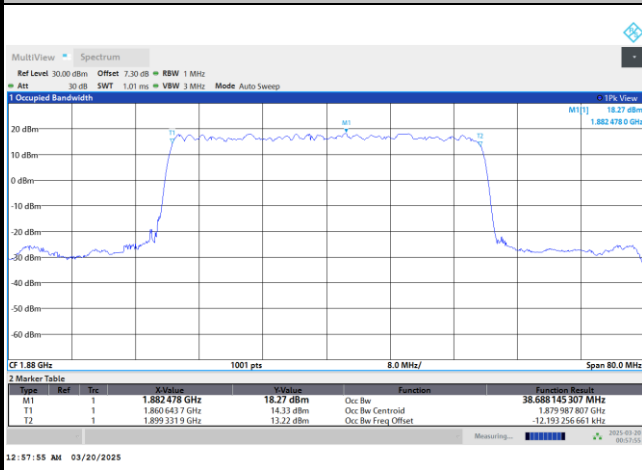


256QAM



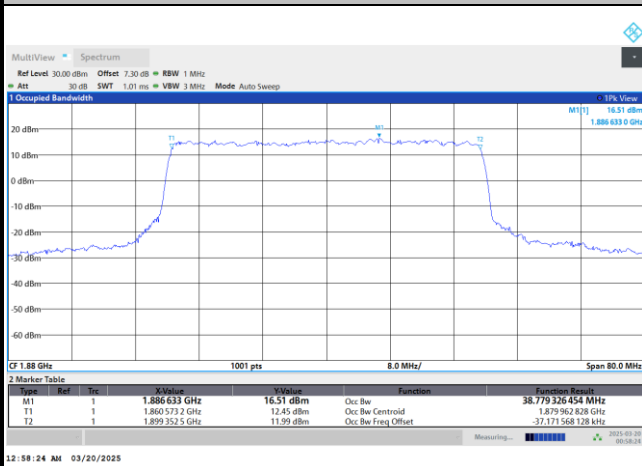
FR1 n2 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

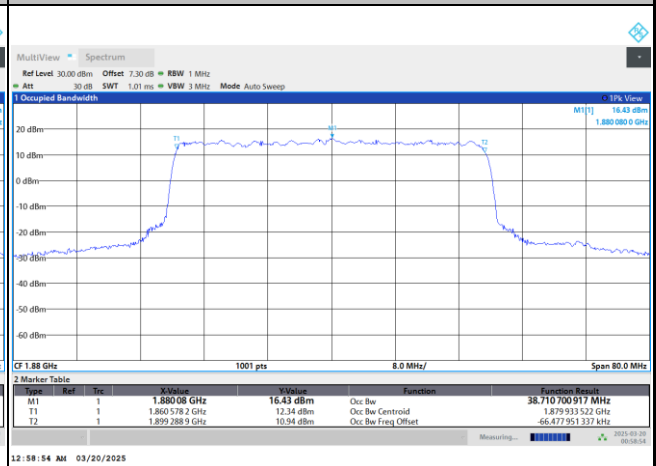


FR1 n2 / 40MHz / CP OFDM / Middle Channel / Full RB

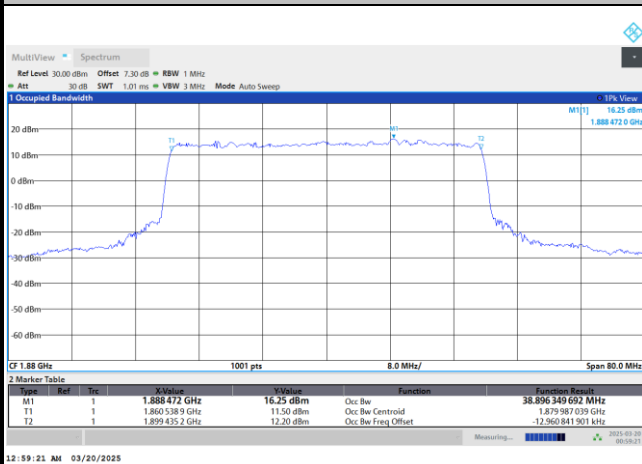
QPSK



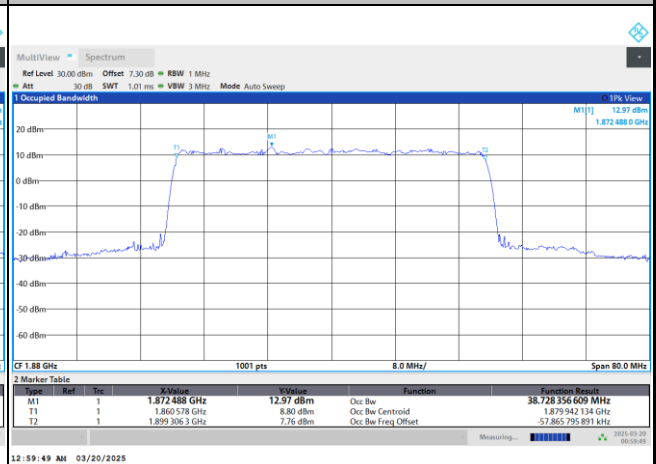
16QAM



64QAM



256QAM



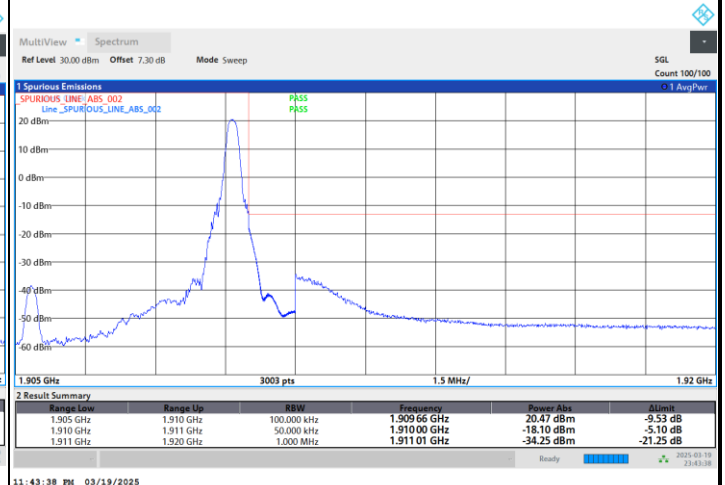
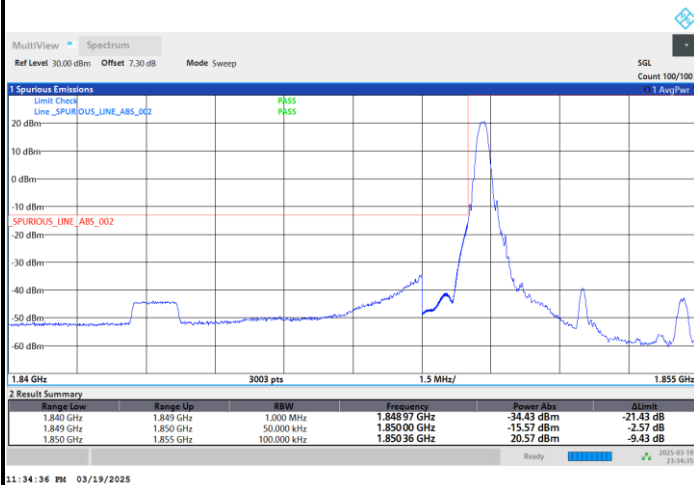


Conducted Band Edge

FR1 n2 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

