



FCC RADIO TEST REPORT

FCC ID : HFS-QTAWUA
Equipment : 5G USB Modem
Model Name : QTAWUA
Applicant : Quanta Computer Inc.
NO.188, Wenhua 2nd Rd., Guishan
Dist., Taoyuan City 33377, Taiwan
Manufacturer : Quanta Computer Inc.
NO.188, Wenhua 2nd Rd., Guishan
Dist., Taoyuan City 33377, Taiwan
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27D

The product was received on May 31, 2024 and testing was performed from Jun. 07, 2024 to Jul. 11, 2024. 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.)



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History of this test report

Report No.	Version	Description	Issue Date
FG451315C	01	Initial issue of report	Dec. 26, 2024
FG451315C	02	Revise section 2.5 and appendix A This report is an updated version, replacing the report issued on Dec. 26, 2024.	Jan. 02, 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 (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) §27.50 (j)(4) §27.50 (k)(4)	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 (l)(2)	Conducted Band Edge Measurement (n77)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (h)	Conducted Spurious Emission (n2) (n5) (n66)	Pass	-
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77)		
3.7	§2.1055 §22.355 §24.235 §27.54	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	19.94 dB under the limit at 14805.00 MHz
	§2.1051 §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/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Keven Cheng**Report Producer: Michelle Chen**

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs LTE and 5G NR.
Antenna Type WWAN: PIFA Antenna

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

FDD/TDD band Power Class				
	PC3	PC2	MIMO PC3	MIMO PC2
N2	V			
N5	V			
N66	V			
N77	V	V	V	V

Antenna information							
Band	Ant1	Ant3	Ant5	Ant6	Ant8	Main Ant. #	SRS Ant. #
N2		2.5			2.5	3	
N5					3.2	8	
N66		3.2			3.2	3	
N77	2.8	2.8	2.8	2.8		1&6	3&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	George Chen
Temperature (°C)	21~24
Relative Humidity (%)	52~58

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. 03CH16-HY (TAF Code: 3786)
Test Engineer	Bill Chang, Gary Guo and Steven Wu
Temperature (°C)	19.1~22.3
Relative Humidity (%)	62.5~68.3
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
- ♦ 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), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

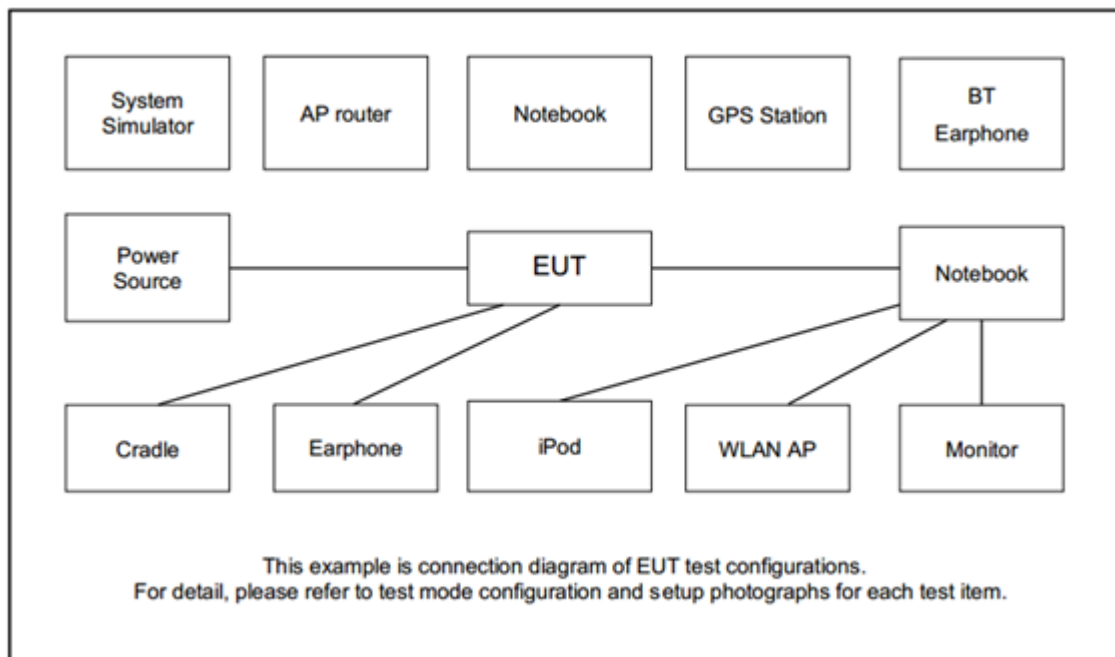
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

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 and 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 3 (Main Ant.) and Antenna 8 (CA/ENDC Ant.);Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 3. Therefore the report only performed Antenna 3 test results.
6. For 5G NR N77 support SISO Mode Antenna 1 (Main Ant.) and Antenna 3&4&6 (SRS Ant.), MIMO Mode Antenna 1+6 (Main Ant.) and Antenna 1+6&1+5&1+3 &3+6 &3+5 &3+6 (SRS Ant.);Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 1& Antenna 1+6 .Therefore the report only performed Antenna 1&1+6 test results.
7. 5G NR N2/N5/N66 support SCS 15KHz & 30KHz, Conducted & Radiated test items are verified and the worst case is SCS 15KHz. Therefore, the report only performed SCS 15KHz test results.
8. 5G NR N77 support SCS 15KHz & 30KHz, Conducted & Radiated test items are verified and the worst case is SCS 30KHz. Therefore, the report only performed SCS 30KHz 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, 1.8 m
3.	Adapter	MIBO	MB-21244274	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

<SCS 15k>

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
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 n77 (Part270) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 n77 (Part27Q) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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



<SCS 30k>

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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

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



5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
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



5G NR n77 (Part27O) 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 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

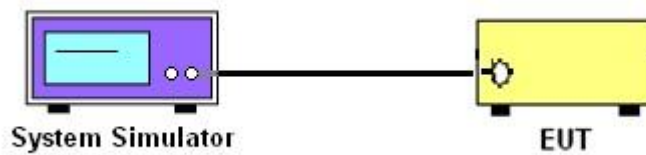
3 Conducted Test Items

3.1 Measuring Instruments

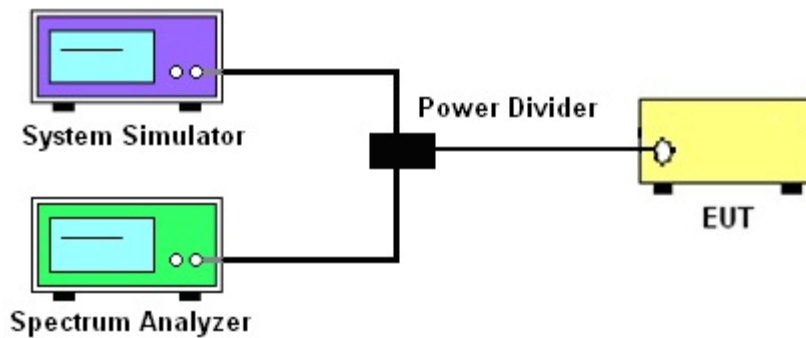
See list of measuring instruments of this test report.

3.1.1 Test Setup

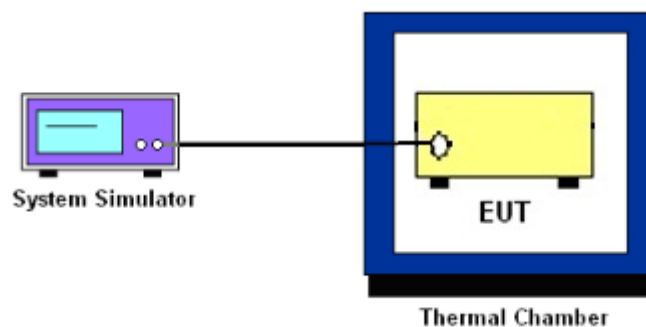
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge 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 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, n77

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

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



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 (l)(2)**

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

27.53 (n)(2)

The following emission limits apply to stations transmitting in the 3450-3550 MHz band:

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (2) <https://www.ecfr.gov/current/title-47/section-27.53#p-27.53%28n%29%282%29> is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.



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 Conducted Spurious Emission

3.6.1 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.

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The 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)
9. For MIMO mode, add additional MIMO factor $10\log(NTX=2) = 3.01$ dB into the spectrum analyzer offset.



3.7 Frequency Stability

3.7.1 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.

3.7.2 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.

3.7.3 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.

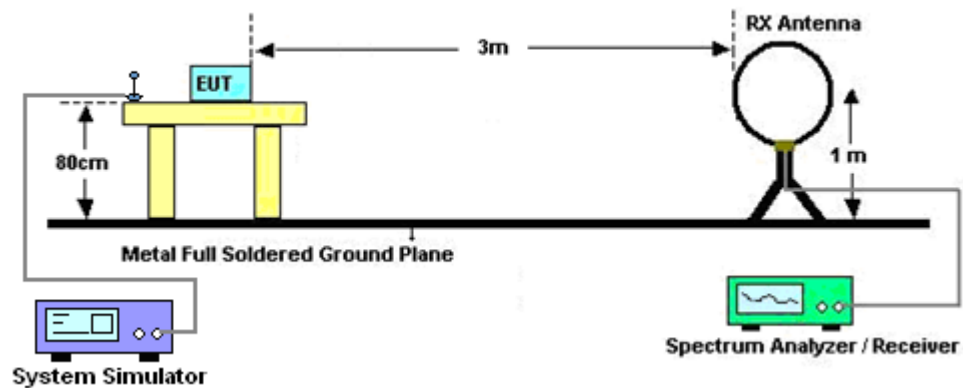
4 Radiated Test Items

4.1 Measuring Instruments

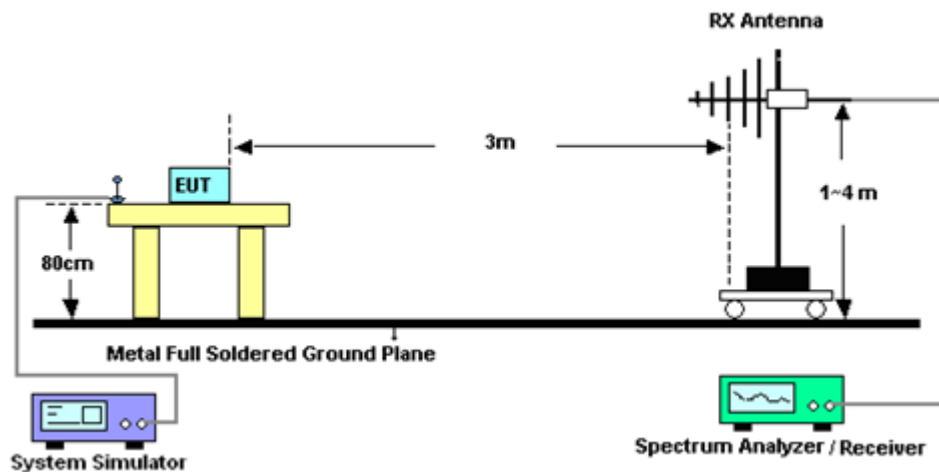
See list of measuring instruments of this test report.

4.1.1 Test Setup

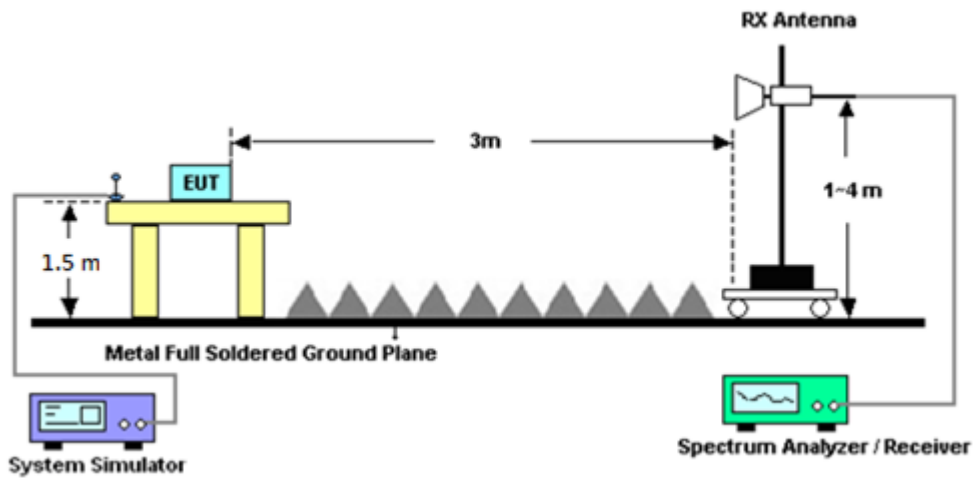
For radiated test below 30MHz



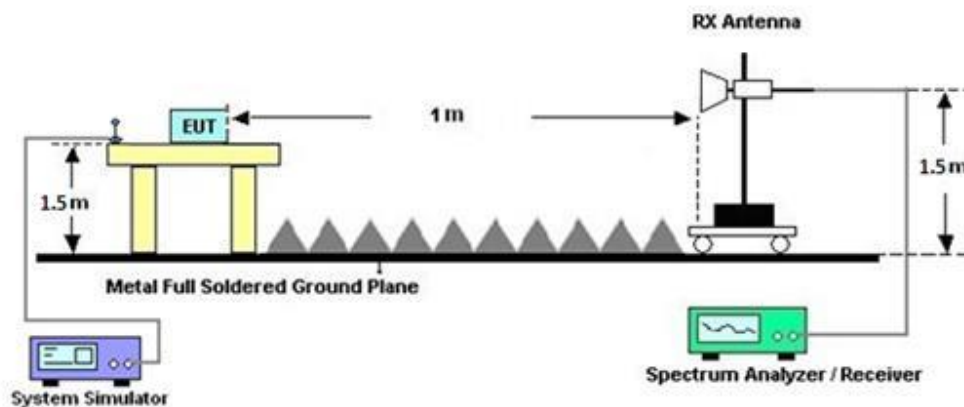
For radiated test from 30MHz to 1GHz



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

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.
$$\text{Field Strength Level (dBm)} = \text{Spectrum Reading (dBm)} + \text{Antenna Factor} + \text{Cable Loss} + \text{Read Level} - \text{Preamp Factor}.$$
8.
$$\text{ERP (dBm)} = \text{EIRP (dBm)} - 2.15$$
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	Sep.12, 2023	Jun. 13, 2024~ Jul. 11, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	Jun. 13, 2024~ Jul. 11, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Jun. 13, 2024~ Jul. 11, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 28, 2024	Jun. 13, 2024~ Jul. 11, 2024	Mar. 27, 2025	Radiation (03CH16-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262192303	LTE FDD/TDD LTE-2CC DLCA/ULCA	Nov. 14, 2023	Jun. 13, 2024~ Jul. 11, 2024	Nov. 13, 2024	Radiation (03CH16-HY)
5G Wireless Test Platform	Anritsu	MT8000A	6262186342	FR1+FR2 (+MT8821C SN:6262192303)	Nov. 13, 2023	Jun. 13, 2024~ Jul. 11, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	Jun. 13, 2024~ Jul. 01, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 02, 2024	Jul. 02, 2024~ Jul. 11, 2024	Jul. 01, 2025	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Jun. 13, 2024~ Jul. 11, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Jun. 13, 2024~ Jul. 11, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Jun. 13, 2024~ Jul. 11, 2024	May 26, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Jun. 13, 2024~ Jul. 11, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-900- 1000-15000-6 0SS	SN11	1GHz High Pass Filter	Mar. 13, 2024	Jun. 13, 2024~ Jul. 11, 2024	Mar. 12, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	Jun. 13, 2024~ Jun. 27, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN3	3GHz High Pass Filter	Jun. 28, 2024	Jun. 28, 2024~ Jul. 11, 2024	Jun. 27, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	Jun. 13, 2024~ Jul. 11, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Jun. 13, 2024~ Jul. 11, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX X 104	EC-A5-300-5 757,805935/ 4,802434/4	30MHz~18GHz	Aug. 08, 2023	Jun. 13, 2024~ Jul. 11, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40GHz	Jan. 02, 2024	Jun. 13, 2024~ Jul. 11, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
DC Power Supply	GW Instek	GPE2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Jun. 07, 2024~ Jul. 11, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Sep. 26, 2023	Jun. 07, 2024~ Jul. 11, 2024	Sep. 25, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	Jun. 07, 2024~ Jul. 11, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116725	LTE	Oct. 25, 2023	Jun. 07, 2024~ Jul. 11, 2024	Oct. 24, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 24, 2023	Jun. 07, 2024~ Jul. 11, 2024	Oct. 23, 2024	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2023	Jun. 07, 2024~ Jul. 11, 2024	Jun. 12, 2024	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Jun. 13, 2024~ Jul. 11, 2024	Jun. 12, 2025	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	May 14, 2024	Jun. 07, 2024~ Jul. 11, 2024	May 13, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV30 44_20231106	N/A	Conducted Test Item	N/A	Jun. 07, 2024~ Jul. 11, 2024	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% ($U = 2Uc(y)$)	3.299 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.070 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.076 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<SISO Mode>

<SCS 15k>

NR n2 Maximum Average Power [dBm] (GT - LC = 2.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	22.84	22.96	22.56	25.58	0.3614		
5	1	23		22.74	22.70	22.67				
5	12	6		22.86	22.93	22.57				
5	1	0		22.22	22.36	22.36				
5	1	24		22.22	22.26	22.23				
5	25	0		22.30	22.38	22.35				
5	1	1	QPSK	22.71	22.79	22.53				
5	1	23		22.67	22.67	23.08				
5	12	6		22.93	22.93	22.85				
5	1	0		21.94	21.94	21.63				
5	1	24		21.85	21.93	21.67				
5	25	0		21.98	22.06	21.71				
5	1	1	16-QAM	21.85	22.16	21.98	24.66	0.2924		
5	1	1	64-QAM	19.80	19.95	19.76				
5	1	1	256-QAM	18.75	18.68	18.70				
Limit	EIRP < 2W			Result			Pass			

NR n2 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	22.79	22.84	22.65	25.66	0.3681		
10	1	50		22.80	22.75	22.65				
10	25	12		22.71	22.91	23.16				
10	1	0		22.39	22.40	22.20				
10	1	51		22.45	22.32	22.20				
10	50	0		22.39	22.15	22.42				
10	1	1	QPSK	22.51	22.43	23.06				
10	1	50		22.43	22.50	23.06				
10	25	12		22.44	22.30	21.97				
10	1	0		21.72	21.76	21.54				
10	1	51		21.66	21.75	21.66				
10	50	0		21.74	21.60	21.59				
10	1	1	16-QAM	21.44	21.65	21.34	24.15	0.2600		
10	1	1	64-QAM	19.66	19.65	19.52				
10	1	1	256-QAM	18.36	18.42	18.48				
Limit	EIRP < 2W			Result			Pass			



NR n2 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	22.65	22.75	22.83	25.33	0.3412		
15	1	77		22.49	22.70	22.06				
15	36	18		22.56	22.34	22.33				
15	1	0		22.33	22.38	22.42				
15	1	78		22.39	22.37	22.41				
15	75	0		22.36	21.91	21.98				
15	1	1	QPSK	22.33	22.32	22.20				
15	1	77		21.91	22.40	21.98				
15	36	18		22.60	22.56	22.40				
15	1	0		21.59	21.92	21.77				
15	1	78		21.52	21.77	21.67				
15	75	0		21.71	21.80	21.23				
15	1	1	16-QAM	20.94	21.21	20.90	23.71	0.2350		
15	1	1	64-QAM	19.13	19.69	18.90				
15	1	1	256-QAM	18.18	18.27	17.87				
Limit	EIRP < 2W			Result			Pass			

NR n2 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	22.52	22.51	22.57	25.08	0.3221		
20	1	104		22.58	22.58	22.55				
20	50	25		22.23	22.07	22.05				
20	1	0		22.01	22.07	22.09				
20	1	105		22.15	22.01	22.09				
20	100	0		22.55	22.52	22.57				
20	1	1	QPSK	22.48	22.52	22.46				
20	1	104		22.53	22.47	22.50				
20	50	25		22.35	22.06	22.23				
20	1	0		21.45	21.47	21.58				
20	1	105		21.65	21.51	21.63				
20	100	0		21.51	21.42	21.32				
20	1	1	16-QAM	20.65	20.48	20.57	23.15	0.2065		
20	1	1	64-QAM	18.95	18.90	18.96				
20	1	1	256-QAM	17.82	17.83	17.86				
Limit	EIRP < 2W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.40	24.32	24.14	25.52	0.3565		
5	1	23		24.35	24.22	24.06				
5	12	6		24.41	24.33	24.16				
5	1	0		23.94	23.84	23.76				
5	1	24		23.97	23.82	23.63				
5	25	0		23.83	23.79	23.69				
5	1	1	QPSK	24.47	24.40	24.18				
5	1	23		24.36	24.35	24.13				
5	12	6		24.39	24.33	24.16				
5	1	0		23.48	23.57	23.23				
5	1	24		23.49	23.26	23.21				
5	25	0		23.36	23.29	23.21				
5	1	1	16-QAM	23.45	23.33	23.10	24.50	0.2818		
5	1	1	64-QAM	22.29	22.28	21.98				
5	1	1	256-QAM	19.98	19.95	19.78				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.43	24.43	24.27	25.55	0.3589		
10	1	50		24.40	24.33	24.11				
10	25	12		24.38	24.32	24.12				
10	1	0		23.98	23.95	23.68				
10	1	51		23.97	23.88	23.69				
10	50	0		23.98	23.86	23.65				
10	1	1	QPSK	24.47	24.50	24.17				
10	1	50		24.45	24.37	24.08				
10	25	12		24.39	24.31	24.15				
10	1	0		23.50	23.54	23.30				
10	1	51		23.48	23.42	23.17				
10	50	0		23.41	23.35	23.18				
10	1	1	16-QAM	23.38	23.54	23.37	24.59	0.2877		
10	1	1	64-QAM	22.29	22.38	22.22				
10	1	1	256-QAM	20.03	19.97	19.86				
Limit	ERP < 7W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.31	24.38	24.21	25.47	0.3524		
15	1	77		24.25	24.26	24.08				
15	36	18		24.35	24.30	24.22				
15	1	0		23.81	23.84	23.64				
15	1	78		23.78	23.78	23.62				
15	75	0		23.91	23.85	23.65				
15	1	1	QPSK	24.37	24.42	24.26				
15	1	77		24.34	24.24	24.10				
15	36	18		24.42	24.35	24.23				
15	1	0		23.21	23.38	23.25				
15	1	78		23.25	23.32	23.11				
15	75	0		23.38	23.36	23.15				
15	1	1	16-QAM	23.32	23.50	23.35	24.55	0.2851		
15	1	1	64-QAM	22.27	22.20	22.24				
15	1	1	256-QAM	19.81	19.91	19.89				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.54	24.49	24.47	25.68	0.3698		
20	1	104		24.35	24.35	24.19				
20	50	25		24.33	24.32	24.28				
20	1	0		24.00	24.14	24.06				
20	1	105		23.88	23.97	23.87				
20	100	0		23.87	23.88	23.73				
20	1	1	QPSK	24.51	24.63	24.53				
20	1	104		24.33	24.40	24.17				
20	50	25		24.35	24.38	24.29				
20	1	0		23.44	23.56	23.35				
20	1	105		23.42	23.43	23.54				
20	100	0		23.38	23.36	23.29				
20	1	1	16-QAM	23.62	23.75	23.38	24.80	0.302		
20	1	1	64-QAM	22.66	22.71	22.43				
20	1	1	256-QAM	20.27	20.14	20.07				
Limit	ERP < 7W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	23.11	23.18	23.01	26.42	0.4385		
5	1	23		23.11	23.07	23.03				
5	12	6		23.15	23.20	23.16				
5	1	0		22.74	22.87	22.72				
5	1	24		22.78	22.77	22.55				
5	25	0		22.84	22.82	22.85				
5	1	1	QPSK	23.15	23.20	23.16				
5	1	23		23.08	23.17	23.14				
5	12	6		23.22	23.19	23.19				
5	1	0		22.36	22.36	22.24				
5	1	24		22.34	22.31	22.31				
5	25	0		22.35	22.34	22.30				
5	1	1	16-QAM	22.15	22.22	22.09	25.42	0.3483		
5	1	1	64-QAM	20.65	20.62	20.61				
5	1	1	256-QAM	18.82	18.79	18.76				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.08	23.11	23.04	26.58	0.4550		
10	1	50		23.20	23.03	23.09				
10	25	12		23.30	23.20	23.19				
10	1	0		22.77	22.84	22.69				
10	1	51		22.94	22.86	22.60				
10	50	0		22.97	22.80	22.76				
10	1	1	QPSK	23.20	23.22	23.06				
10	1	50		23.37	23.23	23.23				
10	25	12		23.38	23.24	23.27				
10	1	0		22.26	22.39	22.27				
10	1	51		22.54	22.42	22.46				
10	50	0		22.50	22.32	22.28				
10	1	1	16-QAM	22.21	22.24	22.14	25.44	0.3499		
10	1	1	64-QAM	20.74	20.72	20.67				
10	1	1	256-QAM	18.82	18.82	18.79				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.09	23.18	22.94	26.55	0.4519		
15	1	77		23.27	23.09	23.03				
15	36	18		23.34	23.17	23.10				
15	1	0		22.75	22.85	22.60				
15	1	78		22.97	22.75	22.53				
15	75	0		22.98	22.87	22.67				
15	1	1	QPSK	23.17	23.21	23.00				
15	1	77		23.31	23.13	23.17				
15	36	18		23.35	23.25	23.15				
15	1	0		22.32	22.25	22.15				
15	1	78		22.49	22.22	22.31				
15	75	0		22.50	22.31	22.21				
15	1	1	16-QAM	22.17	22.26	22.04	25.46	0.3516		
15	1	1	64-QAM	20.65	20.73	20.50				
15	1	1	256-QAM	18.75	18.85	18.61				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.10	23.21	23.00	26.57	0.4539		
20	1	104		23.27	23.14	23.18				
20	50	25		23.33	23.18	23.16				
20	1	0		22.84	22.99	22.81				
20	1	105		23.02	22.88	22.63				
20	100	0		23.10	22.78	22.74				
20	1	1	QPSK	23.16	23.32	22.89				
20	1	104		23.35	23.14	23.04				
20	50	25		23.37	23.25	23.18				
20	1	0		22.40	22.56	22.26				
20	1	105		22.60	22.41	22.45				
20	100	0		22.67	22.25	22.22				
20	1	1	16-QAM	22.21	22.40	22.16	25.60	0.3631		
20	1	1	64-QAM	20.70	20.88	20.66				
20	1	1	256-QAM	18.96	19.04	18.75				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	22.04	22.16	21.84	26.37	0.4335		
25	1	131		22.22	22.17	21.90				
25	64	32		23.17	22.96	22.95				
25	1	0		22.11	22.19	21.87				
25	1	132		22.19	21.97	22.09				
25	128	0		22.85	22.21	22.49				
25	1	1	QPSK	21.84	22.02	22.17				
25	1	131		22.32	22.38	22.30				
25	64	32		23.17	23.05	23.01				
25	1	0		21.42	21.70	21.37				
25	1	132		21.71	21.52	21.55				
25	128	0		22.34	21.76	22.02				
25	1	1	16-QAM	21.23	21.45	21.35	24.65	0.2917		
25	1	1	64-QAM	19.80	19.88	19.67				
25	1	1	256-QAM	18.03	18.03	17.79				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	23.03	23.10	22.83	26.62	0.4592		
30	1	158		23.14	23.01	22.98				
30	80	40		23.38	23.22	23.25				
30	1	0		22.68	22.81	22.57				
30	1	159		22.83	22.61	22.72				
30	160	0		23.03	22.59	22.87				
30	1	1	QPSK	23.11	23.28	22.96				
30	1	158		23.20	23.05	23.09				
30	80	40		23.42	23.23	23.22				
30	1	0		22.24	22.35	22.07				
30	1	159		22.31	22.21	22.24				
30	160	0		22.57	22.08	22.39				
30	1	1	16-QAM	22.07	22.21	21.94	25.41	0.3475		
30	1	1	64-QAM	20.51	20.67	20.41				
30	1	1	256-QAM	18.67	18.79	18.71				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	22.91	23.02	22.93	26.53	0.4498		
40	1	214		23.02	22.91	22.91				
40	108	54		23.30	23.12	23.23				
40	1	0		22.68	22.88	22.74				
40	1	215		22.71	22.68	22.77				
40	216	0		23.20	22.39	22.92				
40	1	1	QPSK	23.04	23.31	22.89				
40	1	214		22.99	23.00	22.93				
40	108	54		23.33	23.15	23.16				
40	1	0		22.17	22.45	22.12				
40	1	215		22.20	22.15	22.16				
40	216	0		22.73	21.92	22.44				
40	1	1	16-QAM	22.04	22.36	22.05	25.56	0.3597		
40	1	1	64-QAM	20.51	20.73	20.55				
40	1	1	256-QAM	18.78	18.87	18.74				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.34	25.91	25.75	28.79	0.7568		
10	1	50		25.63	25.75	25.81				
10	25	12		25.60	25.99	25.77				
10	1	0		19.70	19.77	19.88				
10	1	51		19.67	20.12	19.88				
10	50	0		24.20	24.47	24.27				
10	1	1	QPSK	25.65	25.78	25.86				
10	1	50		25.75	25.96	25.76				
10	25	12		25.59	25.98	25.79				
10	1	0		18.92	19.48	19.17				
10	1	51		19.44	19.55	19.41				
10	50	0		23.64	23.99	23.83				
10	1	1	16-QAM	24.78	24.70	24.63	27.58	0.5728		
10	1	1	64-QAM	22.92	23.39	23.04				
10	1	1	256-QAM	20.20	20.38	20.18				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.54	25.92	25.52	28.79	0.7568		
15	1	77		25.56	25.96	25.71				
15	36	18		25.51	25.98	25.69				
15	1	0		19.56	19.93	19.71				
15	1	78		19.61	20.03	19.77				
15	75	0		24.09	24.52	24.35				
15	1	1	QPSK	25.63	25.68	25.73				
15	1	77		25.67	25.76	25.99				
15	36	18		25.62	25.80	25.81				
15	1	0		19.12	19.40	19.06				
15	1	78		19.26	19.49	19.24				
15	75	0		23.68	24.04	23.73				
15	1	1	16-QAM	24.43	24.87	24.52	27.67	0.5848		
15	1	1	64-QAM	22.83	23.34	22.94				
15	1	1	256-QAM	19.99	20.36	20.01				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.45	25.62	25.38	28.56	0.7178		
20	1	104		25.37	25.64	25.36				
20	50	25		25.07	25.44	25.24				
20	1	0		19.36	19.62	18.96				
20	1	105		19.31	19.58	19.68				
20	100	0		23.61	23.94	23.57				
20	1	1	QPSK	25.32	25.60	25.28				
20	1	104		25.46	25.76	25.59				
20	50	25		25.11	25.51	25.15				
20	1	0		18.90	18.98	18.61				
20	1	105		18.94	19.12	18.88				
20	100	0		23.21	23.43	23.25				
20	1	1	16-QAM	24.27	24.50	24.08	27.30	0.537		
20	1	1	64-QAM	22.43	22.99	22.60				
20	1	1	256-QAM	19.73	20.18	19.43				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	25.11	25.62	25.67	28.77	0.7534		
25	1	131		25.44	25.97	25.01				
25	64	32		25.44	25.91	25.61				
25	1	0		20.30	19.82	19.88				
25	1	132		20.07	20.02	19.76				
25	128	0		23.85	24.21	23.87				
25	1	1	QPSK	25.57	25.89	25.53				
25	1	131		25.68	25.69	25.54				
25	64	32		25.39	25.89	25.58				
25	1	0		19.18	19.06	19.23				
25	1	132		18.58	19.19	19.10				
25	128	0		23.39	23.72	23.35				
25	1	1	16-QAM	24.28	25.28	24.65	28.08	0.6427		
25	1	1	64-QAM	22.17	22.86	22.51				
25	1	1	256-QAM	19.94	20.15	19.61				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.40	25.88	25.46	28.68	0.7379		
30	1	158		25.66	25.87	25.61				
30	80	40		25.61	25.62	25.56				
30	1	0		19.69	20.01	19.48				
30	1	159		19.66	20.05	19.67				
30	160	0		24.06	24.45	24.01				
30	1	1	QPSK	25.63	25.83	25.29				
30	1	158		25.70	25.87	25.69				
30	80	40		25.65	25.77	25.67				
30	1	0		19.09	19.52	18.78				
30	1	159		19.12	19.49	19.19				
30	160	0		23.70	23.97	23.51				
30	1	1	16-QAM	24.39	24.68	24.24	27.48	0.5598		
30	1	1	64-QAM	22.95	23.20	22.92				
30	1	1	256-QAM	20.09	20.51	19.74				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	25.47	25.97	25.66	28.77	0.7534		
40	1	214		25.58	25.97	25.86				
40	108	54		25.54	25.92	25.56				
40	1	0		19.84	20.27	19.84				
40	1	215		20.03	20.11	19.85				
40	216	0		24.04	24.41	24.05				
40	1	1	QPSK	25.80	25.83	25.72				
40	1	214		25.64	25.61	25.95				
40	108	54		25.55	25.91	25.60				
40	1	0		19.41	19.82	19.09				
40	1	215		19.45	19.73	19.31				
40	216	0		23.51	23.99	23.63				
40	1	1	16-QAM	24.68	24.97	24.55	27.77	0.5984		
40	1	1	64-QAM	23.06	23.43	22.95				
40	1	1	256-QAM	20.34	20.53	20.03				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.54	25.95	25.34	28.81	0.7603		
50	1	268		25.95	25.81	25.48				
50	135	67		25.56	25.54	25.52				
50	1	0		19.63	20.03	19.69				
50	1	269		19.85	19.92	19.87				
50	270	0		24.17	24.37	24.03				
50	1	1	QPSK	25.73	26.01	25.34				
50	1	268		25.87	25.54	25.65				
50	135	67		25.66	26.01	25.50				
50	1	0		19.13	19.59	19.10				
50	1	269		19.38	19.51	19.31				
50	270	0		23.69	24.07	23.56				
50	1	1	16-QAM	24.69	24.91	24.17	27.71	0.5902		
50	1	1	64-QAM	23.01	23.37	22.88				
50	1	1	256-QAM	20.14	20.51	19.96				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.49	25.53	25.62	28.79	0.7568		
10	1	50		25.96	25.66	25.66				
10	25	12		25.72	25.65	25.54				
10	1	0		19.72	19.72	19.66				
10	1	51		19.63	19.86	19.73				
10	50	0		24.17	24.17	24.18				
10	1	1	QPSK	25.79	25.88	25.74				
10	1	50		25.67	25.99	25.95				
10	25	12		25.65	25.75	25.60				
10	1	0		19.12	19.54	19.20				
10	1	51		19.29	19.55	19.18				
10	50	0		23.72	23.78	23.64				
10	1	1	16-QAM	24.64	24.86	24.25	27.66	0.5834		
10	1	1	64-QAM	23.07	23.13	23.08				
10	1	1	256-QAM	20.25	20.27	20.08				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.33	25.62	25.50	28.63	0.7295		
15	1	77		25.66	25.68	25.52				
15	36	18		25.75	25.69	25.58				
15	1	0		19.78	19.90	19.70				
15	1	78		19.78	19.61	19.69				
15	75	0		24.30	24.21	24.12				
15	1	1	QPSK	25.67	25.68	25.73				
15	1	77		25.83	25.73	25.55				
15	36	18		25.67	25.72	25.55				
15	1	0		19.02	19.38	19.14				
15	1	78		19.38	19.36	19.13				
15	75	0		23.82	23.84	23.66				
15	1	1	16-QAM	24.64	24.80	24.57	27.60	0.5754		
15	1	1	64-QAM	23.04	23.15	22.89				
15	1	1	256-QAM	20.07	20.15	20.21				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.76	25.98	25.75	28.89	0.7745		
20	1	104		25.86	25.82	25.81				
20	50	25		25.75	25.77	25.56				
20	1	0		20.37	19.97	19.92				
20	1	105		19.92	19.91	19.91				
20	100	0		24.35	24.37	24.09				
20	1	1	QPSK	25.87	25.89	25.95				
20	1	104		26.09	25.88	25.72				
20	50	25		25.73	25.77	25.63				
20	1	0		19.42	19.57	19.44				
20	1	105		19.55	19.86	19.26				
20	100	0		23.87	23.86	23.72				
20	1	1	16-QAM	24.93	24.80	24.62	27.73	0.5929		
20	1	1	64-QAM	23.28	23.10	23.32				
20	1	1	256-QAM	20.51	20.29	20.23				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	25.52	24.70	25.48	28.87	0.7709		
25	1	131		26.07	24.92	25.38				
25	64	32		25.63	25.66	25.50				
25	1	0		19.95	19.05	19.96				
25	1	132		20.04	20.72	19.37				
25	128	0		24.07	24.03	23.91				
25	1	1	QPSK	25.90	25.74	25.63				
25	1	131		25.96	26.06	25.84				
25	64	32		25.63	25.61	25.56				
25	1	0		17.85	20.28	19.08				
25	1	132		19.52	18.98	19.09				
25	128	0		23.53	23.56	23.44				
25	1	1	16-QAM	25.39	25.87	25.52	28.67	0.7362		
25	1	1	64-QAM	22.82	22.52	23.02				
25	1	1	256-QAM	19.78	20.43	19.83				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.56	25.60	25.74	28.59	0.7228		
30	1	158		25.53	25.65	25.59				
30	80	40		25.72	25.76	25.64				
30	1	0		19.79	19.73	19.83				
30	1	159		19.64	19.79	19.42				
30	160	0		24.17	24.23	24.14				
30	1	1	QPSK	25.51	25.73	25.69				
30	1	158		25.63	25.61	25.45				
30	80	40		25.72	25.79	25.71				
30	1	0		19.35	19.22	19.28				
30	1	159		19.31	19.43	19.01				
30	160	0		23.80	23.78	23.70				
30	1	1	16-QAM	24.42	24.47	24.54	27.34	0.5420		
30	1	1	64-QAM	23.05	23.05	23.12				
30	1	1	256-QAM	20.23	20.02	20.11				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	25.65	25.73	25.97	28.78	0.7551		
40	1	214		25.53	25.61	25.73				
40	108	54		25.69	25.66	25.68				
40	1	0		20.13	19.80	19.81				
40	1	215		19.88	20.28	19.47				
40	216	0		24.25	24.25	24.23				
40	1	1	QPSK	25.91	25.98	25.80				
40	1	214		25.63	25.84	25.64				
40	108	54		25.73	25.65	25.74				
40	1	0		19.62	19.67	19.53				
40	1	215		19.45	19.52	19.39				
40	216	0		23.78	23.79	23.73				
40	1	1	16-QAM	24.68	24.66	25.01	27.81	0.6039		
40	1	1	64-QAM	23.20	23.20	23.37				
40	1	1	256-QAM	20.17	20.18	20.56				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.89	26.01	25.88	28.89	0.7745		
50	1	268		25.65	25.89	25.60				
50	135	67		25.74	25.79	25.71				
50	1	0		20.02	20.14	20.17				
50	1	269		19.83	19.91	19.88				
50	270	0		24.19	24.30	24.27				
50	1	1	QPSK	25.88	26.09	26.06				
50	1	268		25.86	25.95	25.80				
50	135	67		25.81	25.79	25.78				
50	1	0		19.35	19.76	19.73				
50	1	269		19.37	19.47	19.42				
50	270	0		23.78	23.81	23.79				
50	1	1	16-QAM	24.78	25.08	24.95	27.88	0.6138		
50	1	1	64-QAM	23.25	23.29	23.19				
50	1	1	256-QAM	20.28	20.49	20.45				
Limit	EIRP < 1W			Result			Pass			



<SCS 30k>

NR n2 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	22.87	22.80	22.81	25.56	0.3597		
10	1	22		22.88	22.73	22.84				
10	12	6		22.90	22.91	22.86				
10	1	0		22.32	22.28	22.27				
10	1	23		22.33	22.42	22.30				
10	24	0		22.34	22.33	22.34				
10	1	1	QPSK	22.74	22.64	22.66				
10	1	22		22.73	22.54	22.69				
10	12	6		23.00	23.06	22.97				
10	1	0		21.96	21.89	21.92				
10	1	23		21.98	21.91	21.93				
10	24	0		22.00	21.99	21.97				
10	1	1	16-QAM	21.74	21.68	21.88	24.38	0.2742		
10	1	1	64-QAM	20.60	20.61	20.64				
10	1	1	256-QAM	18.62	18.53	18.54				
Limit	EIRP < 2W			Result			Pass			



NR n2 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	22.82	22.76	22.79	25.45	0.3508
15	1	36		22.80	22.75	22.74		
15	18	9		22.88	22.89	22.79		
15	1	0		22.35	22.34	22.29		
15	1	37		22.31	22.23	22.23		
15	36	0		22.35	22.35	22.31		
15	1	1	QPSK	22.75	22.77	22.69	25.45	0.3508
15	1	36		22.74	22.68	22.67		
15	18	9		22.95	22.93	22.84		
15	1	0		21.95	21.95	21.92		
15	1	37		21.97	21.89	21.89		
15	36	0		22.00	22.06	21.99		
15	1	1	16-QAM	21.89	21.71	21.69	24.39	0.2748
15	1	1	64-QAM	20.68	20.61	20.57		
15	1	1	256-QAM	18.46	18.46	18.47		
Limit	EIRP < 2W			Result			Pass	

NR n2 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	22.79	22.82	22.74	25.46	0.3516
20	1	49		22.82	22.72	22.63		
20	25	12		22.93	22.91	22.90		
20	1	0		22.24	22.34	22.33		
20	1	50		22.29	22.31	22.32		
20	50	0		22.40	22.44	22.39		
20	1	1	QPSK	22.70	22.69	22.77	25.46	0.3516
20	1	49		22.70	22.58	22.58		
20	25	12		22.92	22.96	22.94		
20	1	0		21.95	21.95	21.99		
20	1	50		21.98	21.91	21.96		
20	50	0		22.04	22.09	22.10		
20	1	1	16-QAM	21.84	21.94	21.96	24.46	0.2793
20	1	1	64-QAM	20.56	20.74	20.72		
20	1	1	256-QAM	18.47	18.57	18.57		
Limit	EIRP < 2W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.37	24.39	24.21	25.55	0.3589		
10	1	22		24.33	24.26	23.99				
10	12	6		24.35	24.28	24.10				
10	1	0		23.94	23.83	23.78				
10	1	23		23.87	23.81	23.62				
10	24	0		23.78	23.86	23.53				
10	1	1	QPSK	24.50	24.40	24.29				
10	1	22		24.41	24.22	24.08				
10	12	6		24.37	24.33	24.14				
10	1	0		23.48	23.47	23.32				
10	1	23		23.50	23.24	23.22				
10	24	0		23.42	23.38	23.13				
10	1	1	16-QAM	23.56	23.54	23.32	24.61	0.2891		
10	1	1	64-QAM	21.98	22.01	21.92				
10	1	1	256-QAM	20.33	20.42	20.20				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.35	24.32	24.23	25.52	0.3565		
15	1	36		24.20	24.12	24.03				
15	18	9		24.31	24.28	24.16				
15	1	0		23.86	23.87	23.85				
15	1	37		23.72	23.72	23.61				
15	36	0		23.89	23.92	23.63				
15	1	1	QPSK	24.47	24.38	24.25				
15	1	36		24.26	24.20	24.09				
15	18	9		24.33	24.30	24.15				
15	1	0		23.35	23.53	23.28				
15	1	37		23.25	23.28	23.08				
15	36	0		23.41	23.33	23.16				
15	1	1	16-QAM	23.51	23.47	23.34	24.56	0.2858		
15	1	1	64-QAM	22.04	22.05	21.80				
15	1	1	256-QAM	20.36	20.51	20.23				
Limit	ERP < 7W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.43	24.38	24.48	25.61	0.3639		
20	1	49		24.26	24.33	24.19				
20	25	12		24.29	24.37	24.23				
20	1	0		23.96	24.18	24.07				
20	1	50		23.80	23.85	23.75				
20	50	0		23.88	23.89	23.72				
20	1	1	QPSK	24.45	24.56	24.48				
20	1	49		24.22	24.29	24.16				
20	25	12		24.32	24.33	24.32				
20	1	0		23.62	23.71	23.58				
20	1	50		23.25	23.52	23.28				
20	50	0		23.38	23.39	23.22				
20	1	1	16-QAM	23.63	23.70	23.63	24.75	0.2985		
20	1	1	64-QAM	22.10	21.93	22.06				
20	1	1	256-QAM	20.33	20.42	20.32				
Limit	ERP < 7W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.03	23.13	23.01	26.50	0.4467		
10	1	22		23.11	23.04	23.08				
10	12	6		23.26	23.12	23.15				
10	1	0		22.76	22.80	22.72				
10	1	23		22.85	22.70	22.59				
10	24	0		22.86	22.84	22.71				
10	1	1	QPSK	23.02	23.02	22.87				
10	1	22		23.14	22.92	22.94				
10	12	6		23.28	23.23	23.30				
10	1	0		22.30	22.25	22.21				
10	1	23		22.34	22.13	22.22				
10	24	0		22.35	22.29	22.27				
10	1	1	16-QAM	22.05	22.23	22.18	25.43	0.3491		
10	1	1	64-QAM	20.83	20.93	20.99				
10	1	1	256-QAM	18.90	18.82	18.72				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.05	23.16	22.95	26.42	0.4385		
15	1	36		23.19	23.00	23.00				
15	18	9		23.21	23.11	23.05				
15	1	0		22.73	22.87	22.58				
15	1	37		22.87	22.69	22.45				
15	36	0		22.86	22.84	22.62				
15	1	1	QPSK	23.02	23.03	22.87				
15	1	36		23.11	22.95	22.94				
15	18	9		23.22	23.16	23.09				
15	1	0		22.23	22.27	22.09				
15	1	37		22.30	22.13	22.16				
15	36	0		22.44	22.25	22.18				
15	1	1	16-QAM	22.06	22.25	22.08	25.45	0.3508		
15	1	1	64-QAM	20.91	20.96	20.70				
15	1	1	256-QAM	18.92	18.71	18.49				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	22.98	23.15	22.91	26.50	0.4467		
20	1	49		23.11	22.98	22.99				
20	25	12		23.29	23.11	23.11				
20	1	0		22.79	22.83	22.65				
20	1	50		22.86	22.74	22.38				
20	50	0		22.98	22.66	22.63				
20	1	1	QPSK	22.96	23.04	22.91				
20	1	49		23.04	22.91	22.99				
20	25	12		23.30	23.16	23.09				
20	1	0		22.21	22.31	22.08				
20	1	50		22.26	22.19	22.21				
20	50	0		22.63	22.20	22.16				
20	1	1	16-QAM	22.19	22.19	22.03	25.39	0.3459		
20	1	1	64-QAM	20.81	20.96	20.90				
20	1	1	256-QAM	18.67	18.81	18.94				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	21.90	22.37	22.11	26.30	0.4266		
25	1	63		22.15	22.09	22.10				
25	32	16		23.03	22.92	22.92				
25	1	0		21.97	22.26	22.04				
25	1	64		22.06	21.99	22.01				
25	64	0		22.72	22.13	22.44				
25	1	1	QPSK	22.11	22.33	22.12				
25	1	63		22.19	22.06	22.12				
25	32	16		23.10	23.03	22.95				
25	1	0		21.43	21.69	21.44				
25	1	64		21.63	21.47	21.54				
25	64	0		22.27	21.75	21.97				
25	1	1	16-QAM	21.30	21.57	21.32	24.77	0.2999		
25	1	1	64-QAM	20.12	20.44	20.20				
25	1	1	256-QAM	18.12	18.39	18.31				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	22.95	23.07	22.86	26.47	0.4436		
30	1	76		23.10	22.93	22.99				
30	36	18		23.25	23.17	23.19				
30	1	0		22.58	22.70	22.54				
30	1	77		22.76	22.64	22.69				
30	75	0		22.94	22.63	22.82				
30	1	1	QPSK	22.88	23.03	22.73				
30	1	76		22.97	22.92	22.98				
30	36	18		23.27	23.19	23.12				
30	1	0		22.07	22.23	21.99				
30	1	77		22.25	22.10	22.19				
30	75	0		22.48	22.03	22.30				
30	1	1	16-QAM	21.97	22.09	22.01	25.29	0.3381		
30	1	1	64-QAM	20.78	20.96	20.68				
30	1	1	256-QAM	18.79	18.90	18.68				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	22.78	23.01	22.80	26.45	0.4416		
40	1	104		22.90	22.91	22.87				
40	50	25		23.17	23.00	23.12				
40	1	0		22.62	22.79	22.60				
40	1	105		22.60	22.67	22.67				
40	100	0		23.00	22.31	22.88				
40	1	1	QPSK	22.74	22.95	22.82				
40	1	104		22.76	22.80	22.80				
40	50	25		23.25	23.07	23.12				
40	1	0		22.08	22.25	22.09				
40	1	105		22.03	22.07	22.16				
40	100	0		22.56	21.95	22.35				
40	1	1	16-QAM	22.06	22.35	22.09	25.55	0.3589		
40	1	1	64-QAM	20.66	20.92	20.74				
40	1	1	256-QAM	18.78	19.01	18.57				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.49	25.56	25.47	28.41	0.6934		
10	1	22		25.51	25.36	25.35				
10	12	6		25.61	25.59	25.41				
10	1	0		19.78	19.63	19.62				
10	1	23		19.58	19.62	19.62				
10	24	0		24.15	24.06	24.07				
10	1	1	QPSK	25.47	25.44	25.30				
10	1	22		25.46	25.52	25.28				
10	12	6		25.58	25.54	25.57				
10	1	0		19.27	19.11	19.25				
10	1	23		19.08	19.23	19.03				
10	24	0		23.64	23.64	23.25				
10	1	1	16-QAM	24.64	24.48	24.43	27.44	0.5546		
10	1	1	64-QAM	22.72	22.45	22.62				
10	1	1	256-QAM	20.23	20.23	20.26				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.50	25.50	25.52	28.53	0.7129		
15	1	36		25.54	25.43	25.49				
15	18	9		25.61	25.49	25.57				
15	1	0		19.71	19.63	19.73				
15	1	37		19.80	19.65	19.69				
15	36	0		24.12	24.06	24.20				
15	1	1	QPSK	25.45	25.54	25.60				
15	1	36		25.50	25.56	25.35				
15	18	9		25.73	25.60	25.67				
15	1	0		19.29	19.10	19.15				
15	1	37		19.20	19.15	19.19				
15	36	0		23.80	23.68	23.70				
15	1	1	16-QAM	24.44	24.54	24.69	27.49	0.5610		
15	1	1	64-QAM	22.67	22.57	22.71				
15	1	1	256-QAM	20.11	20.11	20.14				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.75	25.62	25.59	28.62	0.7278		
20	1	49		25.52	25.57	25.41				
20	25	12		25.69	25.50	25.57				
20	1	0		19.92	19.56	19.76				
20	1	50		19.83	19.80	19.55				
20	50	0		24.23	24.13	24.04				
20	1	1	QPSK	25.53	25.39	25.72				
20	1	49		25.58	25.51	25.82				
20	25	12		25.81	25.59	25.61				
20	1	0		19.23	19.45	19.17				
20	1	50		19.36	19.47	19.12				
20	50	0		23.84	23.68	23.68				
20	1	1	16-QAM	24.82	24.72	24.80	27.62	0.5781		
20	1	1	64-QAM	23.13	22.35	22.24				
20	1	1	256-QAM	20.12	20.33	19.48				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	24.45	25.02	25.16	28.46	0.7015		
25	1	63		24.56	25.60	25.12				
25	32	16		25.02	25.47	25.50				
25	1	0		18.71	19.05	19.83				
25	1	64		18.82	19.28	19.54				
25	64	0		23.32	23.84	23.86				
25	1	1	QPSK	25.14	24.54	25.19				
25	1	63		25.18	25.30	25.08				
25	32	16		25.66	25.55	25.53				
25	1	0		18.64	18.60	19.96				
25	1	64		18.71	18.77	19.05				
25	64	0		22.87	23.53	23.45				
25	1	1	16-QAM	24.23	23.95	24.35	27.15	0.5188		
25	1	1	64-QAM	23.16	23.06	22.66				
25	1	1	256-QAM	19.99	19.93	20.03				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.68	25.60	25.57	28.61	0.7261		
30	1	76		25.51	25.57	25.55				
30	36	18		25.60	25.60	25.70				
30	1	0		19.74	19.82	19.81				
30	1	77		19.72	19.94	19.87				
30	75	0		24.11	24.19	24.28				
30	1	1	QPSK	25.75	25.46	25.58				
30	1	76		25.53	25.64	25.81				
30	36	18		25.73	25.62	25.74				
30	1	0		19.34	19.30	19.29				
30	1	77		19.19	19.28	19.42				
30	75	0		23.78	23.74	23.77				
30	1	1	16-QAM	24.62	24.55	24.56	27.42	0.5521		
30	1	1	64-QAM	22.69	22.63	22.60				
30	1	1	256-QAM	20.24	20.28	20.39				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	25.82	25.71	25.54	28.87	0.7709		
40	1	104		25.71	25.55	25.64				
40	50	25		25.65	25.58	25.70				
40	1	0		20.10	20.25	19.88				
40	1	105		20.11	19.92	19.90				
40	100	0		24.24	24.15	24.15				
40	1	1	QPSK	26.07	25.85	25.81				
40	1	104		25.79	25.55	25.53				
40	50	25		25.64	25.63	25.69				
40	1	0		19.61	19.35	19.24				
40	1	105		19.57	19.49	19.32				
40	100	0		23.71	23.56	23.61				
40	1	1	16-QAM	24.73	24.91	24.67	27.71	0.5902		
40	1	1	64-QAM	22.92	22.81	22.69				
40	1	1	256-QAM	20.55	20.06	20.22				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.79	25.76	25.43	28.59	0.7228		
50	1	131		25.65	25.56	25.54				
50	64	32		25.63	25.69	25.74				
50	1	0		19.66	19.87	19.51				
50	1	132		19.88	19.70	19.85				
50	128	0		24.18	24.20	24.14				
50	1	1	QPSK	25.61	25.68	25.39				
50	1	131		25.71	25.52	25.65				
50	64	32		25.63	25.69	25.73				
50	1	0		19.27	19.32	19.12				
50	1	132		19.26	19.17	19.38				
50	128	0		23.75	23.69	23.72				
50	1	1	16-QAM	24.76	24.89	24.52	27.69	0.5875		
50	1	1	64-QAM	22.72	22.81	22.57				
50	1	1	256-QAM	20.37	20.40	20.17				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.72	25.58	25.38	28.59	0.7228		
60	1	160		25.62	25.32	25.36				
60	81	40		25.69	25.66	25.62				
60	1	0		19.76	19.68	19.51				
60	1	161		19.79	19.59	19.69				
60	162	0		24.32	24.12	24.14				
60	1	1	QPSK	25.41	25.55	25.43				
60	1	160		25.71	25.39	25.46				
60	81	40		25.69	25.79	25.70				
60	1	0		19.00	19.24	18.96				
60	1	161		19.44	19.02	19.13				
60	162	0		23.89	23.67	23.64				
60	1	1	16-QAM	24.77	24.61	24.30	27.57	0.5715		
60	1	1	64-QAM	22.58	22.79	22.46				
60	1	1	256-QAM	20.18	20.28	20.10				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	25.31	25.51	25.48	28.50	0.7079		
70	1	187		25.50	25.15	25.45				
70	90	45		25.58	25.54	25.68				
70	1	0		19.42	19.73	19.62				
70	1	188		19.74	19.38	19.63				
70	180	0		24.07	24.06	24.12				
70	1	1	QPSK	25.24	25.46	25.47				
70	1	187		25.45	25.09	25.44				
70	90	45		25.60	25.56	25.70				
70	1	0		18.92	19.19	19.09				
70	1	188		19.23	18.88	19.13				
70	180	0		23.60	23.62	23.66				
70	1	1	16-QAM	24.27	24.44	24.45	27.25	0.5309		
70	1	1	64-QAM	22.35	22.58	22.50				
70	1	1	256-QAM	20.00	20.26	20.29				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.44	25.54	25.48	28.63	0.7295		
80	1	215		25.61	25.18	25.45				
80	108	54		25.74	25.74	25.61				
80	1	0		19.61	19.86	19.73				
80	1	216		19.90	19.43	19.80				
80	216	0		24.24	24.14	24.08				
80	1	1	QPSK	25.37	25.59	25.45				
80	1	215		25.53	25.17	25.44				
80	108	54		25.83	25.67	25.65				
80	1	0		19.11	19.28	19.19				
80	1	216		19.39	18.92	19.17				
80	216	0		23.79	23.71	23.67				
80	1	1	16-QAM	24.48	24.51	24.59	27.39	0.5483		
80	1	1	64-QAM	22.50	22.59	22.58				
80	1	1	256-QAM	20.16	20.22	20.16				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.28	25.47	25.33	28.38	0.6887		
90	1	243		25.53	25.16	25.38				
90	120	60		25.58	25.55	25.55				
90	1	0		19.38	19.67	19.45				
90	1	244		19.72	19.42	19.59				
90	243	0		24.10	24.01	24.02				
90	1	1	QPSK	25.25	25.50	25.44				
90	1	243		25.55	25.18	25.52				
90	120	60		15.18	25.53	25.56				
90	1	0		18.92	19.17	18.95				
90	1	244		19.27	18.92	19.04				
90	243	0		23.64	23.45	23.53				
90	1	1	16-QAM	24.23	24.45	24.54	27.34	0.5420		
90	1	1	64-QAM	22.25	22.50	22.47				
90	1	1	256-QAM	20.26	20.31	20.24				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	25.43	25.49	25.52	28.59	0.7228		
100	1	271		25.77	25.18	25.51				
100	135	67		25.75	25.59	25.61				
100	1	0		19.52	19.66	19.69				
100	1	272		20.05	19.45	19.81				
100	270	0		24.21	24.07	24.07				
100	1	1	QPSK	25.39	25.42	25.53				
100	1	271		25.70	25.11	25.55				
100	135	67		25.79	25.60	25.72				
100	1	0		19.19	19.17	19.12				
100	1	272		19.40	18.89	19.27				
100	270	0		23.75	23.57	23.68				
100	1	1	16-QAM	24.28	24.41	24.58	27.38	0.5470		
100	1	1	64-QAM	22.45	22.52	22.65				
100	1	1	256-QAM	20.04	20.17	20.29				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.85	25.91	25.85	28.81	0.7603		
10	1	22		25.71	25.84	25.86				
10	12	6		25.78	25.94	25.92				
10	1	0		20.11	20.18	20.10				
10	1	23		19.96	20.03	19.99				
10	24	0		24.40	24.58	24.44				
10	1	1	QPSK	25.78	25.98	25.76				
10	1	22		25.68	25.87	25.62				
10	12	6		25.80	26.01	25.90				
10	1	0		19.43	19.62	19.69				
10	1	23		19.52	19.52	19.57				
10	24	0		23.91	24.13	24.05				
10	1	1	16-QAM	24.83	24.96	24.91	27.76	0.5970		
10	1	1	64-QAM	22.90	23.19	23.00				
10	1	1	256-QAM	20.52	20.54	20.55				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.85	25.93	25.77	28.77	0.7534		
15	1	36		25.69	25.86	25.69				
15	18	9		25.82	25.89	25.94				
15	1	0		20.07	20.11	20.08				
15	1	37		19.96	20.02	19.99				
15	36	0		24.45	24.47	24.42				
15	1	1	QPSK	25.78	25.87	25.71				
15	1	36		25.75	25.74	25.78				
15	18	9		25.83	25.97	25.84				
15	1	0		19.49	19.66	19.60				
15	1	37		19.43	19.44	19.41				
15	36	0		24.01	24.14	24.06				
15	1	1	16-QAM	24.93	24.94	24.84	27.74	0.5943		
15	1	1	64-QAM	22.99	22.98	22.82				
15	1	1	256-QAM	20.62	20.59	20.41				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.86	26.20	25.97	29.00	0.7943		
20	1	49		25.75	25.74	25.75				
20	25	12		25.80	25.98	25.84				
20	1	0		20.31	20.08	19.97				
20	1	50		20.20	19.93	20.11				
20	50	0		24.32	24.53	24.39				
20	1	1	QPSK	25.77	25.99	25.65				
20	1	49		25.72	25.82	25.80				
20	25	12		25.85	25.97	25.82				
20	1	0		19.32	19.64	19.44				
20	1	50		19.63	19.48	19.46				
20	50	0		23.97	24.06	23.94				
20	1	1	16-QAM	25.02	25.19	24.92	27.99	0.6295		
20	1	1	64-QAM	23.13	23.16	22.86				
20	1	1	256-QAM	20.61	20.53	20.32				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	25.46	25.81	25.13	28.64	0.7311		
25	1	63		25.39	25.14	25.59				
25	32	16		25.63	25.81	25.65				
25	1	0		19.90	20.23	20.08				
25	1	64		19.70	20.04	19.01				
25	64	0		24.07	24.25	24.04				
25	1	1	QPSK	25.43	25.80	25.84				
25	1	63		25.24	25.29	25.77				
25	32	16		25.66	25.79	25.62				
25	1	0		19.55	18.91	18.67				
25	1	64		19.60	18.78	18.86				
25	64	0		23.65	23.76	23.54				
25	1	1	16-QAM	24.52	25.28	24.36	28.08	0.6427		
25	1	1	64-QAM	22.47	22.50	22.22				
25	1	1	256-QAM	20.10	20.14	19.75				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.63	25.66	25.66	28.66	0.7345
30	1	76		25.70	25.69	25.68		
30	36	18		25.65	25.84	25.71		
30	1	0		19.81	19.93	19.59		
30	1	77		19.82	19.83	19.85		
30	75	0		24.26	24.23	24.28		
30	1	1	QPSK	25.56	25.67	25.42	28.66	0.7345
30	1	76		25.71	25.52	25.61		
30	36	18		25.62	25.86	25.67		
30	1	0		19.23	19.39	19.15		
30	1	77		19.32	19.21	19.25		
30	75	0		23.72	23.85	23.80		
30	1	1	16-QAM	24.61	24.49	24.74	27.54	0.5675
30	1	1	64-QAM	22.80	22.95	22.72		
30	1	1	256-QAM	20.04	20.23	20.27		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.76	25.77	25.71	28.76	0.7516
40	1	104		25.96	25.83	25.86		
40	50	25		25.65	25.77	25.60		
40	1	0		20.24	20.17	19.85		
40	1	105		20.32	19.72	20.08		
40	100	0		24.26	24.34	24.16		
40	1	1	QPSK	25.67	25.72	25.86	28.76	0.7516
40	1	104		25.80	25.63	25.77		
40	50	25		25.63	25.82	25.63		
40	1	0		19.47	19.28	19.16		
40	1	105		19.99	19.48	19.39		
40	100	0		23.75	23.78	23.69		
40	1	1	16-QAM	24.75	24.76	24.40	27.56	0.5702
40	1	1	64-QAM	22.93	22.65	22.83		
40	1	1	256-QAM	20.30	20.38	20.21		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.78	25.66	25.64	28.60	0.7244		
50	1	131		25.78	25.61	25.48				
50	64	32		25.68	25.75	25.54				
50	1	0		19.76	19.87	19.94				
50	1	132		19.86	19.84	19.75				
50	128	0		24.15	24.24	24.14				
50	1	1	QPSK	25.66	25.50	25.63				
50	1	131		25.74	25.52	25.45				
50	64	32		25.68	25.80	25.61				
50	1	0		19.24	19.31	19.43				
50	1	132		19.53	19.28	19.40				
50	128	0		23.74	23.82	23.70				
50	1	1	16-QAM	24.75	24.65	24.90	27.70	0.5888		
50	1	1	64-QAM	23.08	22.81	22.95				
50	1	1	256-QAM	20.38	20.29	20.41				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.67	25.46	25.60	28.63	0.7295		
60	1	160		25.54	25.58	25.64				
60	81	40		25.72	25.76	25.74				
60	1	0		19.65	19.82	19.71				
60	1	161		19.75	19.78	19.78				
60	162	0		24.23	24.20	24.20				
60	1	1	QPSK	25.40	25.30	25.60				
60	1	160		25.55	25.53	25.51				
60	81	40		25.78	25.83	25.76				
60	1	0		18.97	19.32	19.71				
60	1	161		19.34	19.23	19.45				
60	162	0		23.75	23.78	23.87				
60	1	1	16-QAM	24.79	24.67	24.83	27.63	0.5794		
60	1	1	64-QAM	22.58	23.02	23.21				
60	1	1	256-QAM	20.01	20.52	20.61				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	25.45	25.45	25.60	28.43	0.6966		
70	1	187		25.24	25.27	25.03				
70	90	45		25.63	25.57	25.54				
70	1	0		19.65	19.57	19.70				
70	1	188		19.39	19.41	19.15				
70	180	0		24.15	24.07	24.01				
70	1	1	QPSK	25.40	25.43	25.58				
70	1	187		25.21	25.25	25.06				
70	90	45		25.63	25.57	25.58				
70	1	0		19.04	19.11	19.15				
70	1	188		18.86	18.78	18.63				
70	180	0		23.63	23.67	23.65				
70	1	1	16-QAM	24.28	24.30	24.70	27.50	0.5623		
70	1	1	64-QAM	22.65	22.66	22.52				
70	1	1	256-QAM	20.09	20.26	20.25				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.52	25.40	25.50	28.69	0.7396		
80	1	215		25.60	25.64	25.61				
80	108	54		25.80	25.89	25.82				
80	1	0		19.75	19.72	19.73				
80	1	216		19.76	19.76	19.75				
80	216	0		24.23	24.24	24.23				
80	1	1	QPSK	25.48	25.41	25.43				
80	1	215		25.55	25.69	25.56				
80	108	54		25.87	25.83	25.76				
80	1	0		19.19	19.17	19.14				
80	1	216		19.17	19.33	19.20				
80	216	0		23.85	23.83	23.86				
80	1	1	16-QAM	24.48	24.44	24.57	27.37	0.5458		
80	1	1	64-QAM	22.80	22.60	22.67				
80	1	1	256-QAM	20.18	20.08	20.19				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.47	25.47	25.37	28.45	0.6998		
90	1	243		25.24	25.21	25.03				
90	120	60		25.59	25.63	25.55				
90	1	0		19.64	19.58	19.57				
90	1	244		19.36	19.32	19.22				
90	243	0		23.98	24.03	24.02				
90	1	1	QPSK	25.43	25.38	25.47				
90	1	243		25.28	25.19	25.19				
90	120	60		25.60	25.65	25.56				
90	1	0		18.98	18.99	19.01				
90	1	244		18.77	18.80	18.62				
90	243	0		23.63	23.64	23.64				
90	1	1	16-QAM	24.39	24.40	24.28	27.20	0.5248		
90	1	1	64-QAM	22.64	22.63	22.55				
90	1	1	256-QAM	20.14	20.14	20.09				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	25.55	-	28.65	0.7328		
100	1	271		-	25.64	-				
100	135	67		-	25.84	-				
100	1	0		-	19.86	-				
100	1	272		-	19.90	-				
100	270	0		-	24.29	-				
100	1	1	QPSK	-	25.55	-				
100	1	271		-	25.62	-				
100	135	67		-	25.85	-				
100	1	0		-	19.33	-				
100	1	272		-	19.33	-				
100	270	0		-	23.85	-				
100	1	1	16-QAM	-	24.68	-	27.48	0.5598		
100	1	1	64-QAM	-	22.81	-				
100	1	1	256-QAM	-	20.30	-				
Limit	EIRP < 1W			Result			Pass			



<MIMO Mode>

<SCS 15k>

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	23.49	23.10	22.68	23.37	23.50	23.22	26.44	26.31	25.97	29.30	0.8511
10	1	50		23.52	23.09	22.79	23.36	23.60	23.30	26.45	26.36	26.06		
10	25	12		23.48	23.24	22.79	23.48	23.67	23.45	26.49	26.47	26.14		
10	1	0		19.62	19.32	18.87	19.49	19.76	19.52	22.57	22.56	22.22		
10	1	51		19.59	19.29	18.91	19.58	19.85	19.68	22.60	22.59	22.32		
10	50	0		23.46	23.24	22.77	23.46	23.72	23.38	26.47	26.50	26.10		
10	1	1	QPSK	23.49	23.06	22.76	23.29	23.49	23.38	26.40	26.29	26.09	29.31	0.8531
10	1	50		23.51	23.05	22.81	23.37	23.54	23.39	26.45	26.31	26.12		
10	25	12		23.43	23.24	22.77	23.45	23.69	23.43	26.45	26.48	26.12		
10	1	0		18.99	18.79	18.21	18.97	19.19	18.86	21.99	22.00	21.56		
10	1	51		19.02	18.74	18.37	19.06	19.26	18.95	22.05	22.02	21.68		
10	50	0		23.40	23.27	22.78	23.45	23.71	23.45	26.44	26.51	26.14		
10	1	1	16-QAM	23.65	23.17	22.90	23.67	23.63	23.43	26.67	26.42	26.18	29.47	0.8851
10	1	1	64-QAM	22.62	22.35	21.79	22.58	22.71	22.27	25.61	25.54	25.05		
10	1	1	256-QAM	20.23	19.98	19.53	20.15	20.34	20.19	23.20	23.17	22.88		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	23.51	23.22	22.84	23.41	23.55	23.47	26.47	26.40	26.18	29.34	0.859
15	1	77		23.51	23.16	22.87	23.47	23.64	23.44	26.50	26.42	26.17		
15	36	18		23.51	23.27	22.93	23.51	23.69	23.56	26.52	26.50	26.27		
15	1	0		19.59	19.32	19.00	19.52	19.68	19.62	22.57	22.51	22.33		
15	1	78		19.60	19.39	18.97	19.62	19.87	19.68	22.62	22.65	22.35		
15	75	0		23.53	23.28	22.92	23.53	23.68	23.57	26.54	26.49	26.27		
15	1	1	QPSK	23.48	23.19	22.88	23.39	23.51	23.48	26.45	26.36	26.20	29.34	0.859
15	1	77		23.48	23.16	22.90	23.44	23.65	23.50	26.47	26.42	26.22		
15	36	18		23.52	23.30	22.92	23.52	23.70	23.57	26.53	26.51	26.27		
15	1	0		19.08	18.87	18.46	19.02	19.15	19.16	22.06	22.02	21.83		
15	1	78		19.06	18.85	18.41	19.05	19.30	19.13	22.07	22.09	21.80		
15	75	0		23.52	23.29	22.91	23.53	23.70	23.58	26.54	26.51	26.27		
15	1	1	16-QAM	23.64	23.38	23.03	23.52	23.76	23.68	26.59	26.58	26.38	29.39	0.869
15	1	1	64-QAM	22.42	22.33	21.94	22.38	22.66	22.50	25.41	25.51	25.24		
15	1	1	256-QAM	20.30	20.07	19.64	20.24	20.39	20.33	23.28	23.24	23.01		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	23.66	23.29	23.08	23.61	23.56	23.48	26.65	26.44	26.29	29.45	0.8810
20	1	104		23.69	23.22	23.03	23.45	23.68	23.53	26.58	26.47	26.30		
20	50	25		23.51	23.28	22.96	23.54	23.68	23.52	26.54	26.49	26.26		
20	1	0		19.73	19.68	19.18	19.71	19.78	19.79	22.73	22.74	22.51		
20	1	105		19.77	19.58	19.08	19.69	19.94	19.77	22.74	22.77	22.45		
20	100	0		23.59	23.33	22.99	23.60	23.70	23.57	26.61	26.53	26.30		
20	1	1	QPSK	23.65	23.24	23.11	23.56	23.61	23.61	26.62	26.44	26.38	29.45	0.8810
20	1	104		23.68	23.18	23.04	23.60	23.69	23.53	26.65	26.45	26.30		
20	50	25		23.52	23.37	22.98	23.53	23.69	23.55	26.54	26.54	26.28		
20	1	0		19.21	19.10	18.65	19.19	19.22	19.29	22.21	22.17	21.99		
20	1	105		19.19	18.97	18.55	19.16	19.34	19.23	22.19	22.17	21.91		
20	100	0		23.56	23.38	22.97	23.60	23.67	23.56	26.59	26.54	26.29		
20	1	1	16-QAM	23.85	23.38	23.29	23.71	23.72	23.80	26.79	26.56	26.56	29.59	0.9099
20	1	1	64-QAM	22.71	22.49	22.17	22.68	22.60	22.53	25.71	25.56	25.36		
20	1	1	256-QAM	20.39	20.29	19.86	20.35	20.49	20.52	23.38	23.40	23.21		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
25	1	1	BPSK	23.35	23.54	23.66	23.30	23.58	23.47	26.34	26.57	26.58	29.44	0.8790
25	1	131		23.28	23.34	23.54	23.25	23.72	23.72	26.28	26.54	26.64		
25	64	32		23.54	23.38	22.99	23.70	23.81	23.63	26.63	26.61	26.33		
25	1	0		19.19	19.10	18.58	19.19	19.61	19.29	22.20	22.37	21.96		
25	1	132		19.22	19.02	18.40	19.27	19.76	19.11	22.26	22.42	21.78		
25	128	0		23.35	23.20	22.77	23.47	23.62	23.47	26.42	26.43	26.14		
25	1	1	QPSK	23.35	22.35	22.62	23.33	22.74	23.09	26.35	25.56	25.87	29.44	0.8790
25	1	131		23.15	22.31	22.63	23.35	22.91	23.28	26.26	25.63	25.98		
25	64	32		23.55	23.39	22.99	23.70	23.84	23.65	26.64	26.63	26.34		
25	1	0		18.53	18.61	17.98	18.51	19.09	18.48	21.53	21.87	21.25		
25	1	132		18.44	18.44	17.92	18.53	19.15	18.64	21.50	21.82	21.31		
25	128	0		23.42	23.22	22.79	23.46	23.66	23.49	26.45	26.46	26.16		
25	1	1	16-QAM	23.09	22.65	22.82	23.32	22.72	23.43	26.22	25.70	26.15	29.02	0.7980
25	1	1	64-QAM	22.20	22.13	21.71	22.30	22.25	22.24	25.26	25.20	24.99		
25	1	1	256-QAM	19.76	19.77	19.21	19.71	20.15	19.78	22.75	22.97	22.51		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	23.63	23.54	23.41	23.64	23.74	23.95	26.65	26.65	26.70	29.58	0.9078
30	1	158		23.78	23.46	23.53	23.69	23.83	23.72	26.75	26.66	26.64		
30	80	40		23.72	23.57	23.25	23.70	23.97	23.86	26.72	26.78	26.58		
30	1	0		19.75	19.81	19.53	19.70	19.98	20.06	22.74	22.91	22.81		
30	1	159		19.96	19.66	19.16	19.83	20.10	19.92	22.91	22.90	22.57		
30	160	0		23.71	23.57	23.19	23.69	23.90	23.92	26.71	26.75	26.58		
30	1	1	QPSK	23.59	23.57	23.39	23.58	23.75	23.93	26.60	26.67	26.68	29.59	0.9099
30	1	158		23.81	23.39	23.04	23.70	23.83	23.74	26.77	26.63	26.41		
30	80	40		23.70	23.59	23.24	23.73	23.97	23.89	26.73	26.79	26.59		
30	1	0		19.15	19.21	18.93	19.10	19.45	19.50	22.14	22.34	22.23		
30	1	159		19.43	19.13	18.56	19.28	19.59	19.34	22.37	22.38	21.98		
30	160	0		23.68	23.54	23.24	23.69	23.94	23.91	26.70	26.75	26.60		
30	1	1	16-QAM	23.80	23.69	23.36	23.82	23.89	23.91	26.82	26.80	26.65	29.62	0.9162
30	1	1	64-QAM	22.60	22.63	22.21	22.56	22.86	22.68	25.59	25.76	25.46		
30	1	1	256-QAM	20.42	20.42	20.25	20.36	20.60	20.77	23.40	23.52	23.53		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	23.86	23.61	23.53	23.78	23.70	23.93	26.83	26.67	26.74	29.66	0.9247
40	1	214		23.83	23.47	23.58	23.87	23.81	23.83	26.86	26.65	26.72		
40	108	54		23.80	23.60	23.25	23.72	23.91	23.85	26.77	26.77	26.57		
40	1	0		19.93	20.02	19.53	19.79	20.16	20.07	22.87	23.10	22.82		
40	1	215		20.19	19.78	19.28	19.96	20.23	19.99	23.09	23.02	22.66		
40	216	0		23.85	23.65	23.25	23.74	23.94	23.82	26.81	26.81	26.55		
40	1	1	QPSK	23.85	23.66	23.42	23.75	23.74	23.97	26.81	26.71	26.71	29.79	0.9528
40	1	214		24.06	23.48	23.16	23.90	23.84	23.81	26.99	26.67	26.51		
40	108	54		23.81	23.60	23.27	23.74	23.94	23.88	26.79	26.78	26.60		
40	1	0		19.40	19.46	18.85	19.30	19.56	19.36	22.36	22.52	22.12		
40	1	215		19.64	19.17	18.62	19.40	19.58	19.30	22.53	22.39	21.98		
40	216	0		23.82	23.65	23.27	23.76	23.92	23.89	26.80	26.80	26.60		
40	1	1	16-QAM	24.01	23.93	23.55	23.92	23.97	24.00	26.98	26.96	26.79	29.78	0.9506
40	1	1	64-QAM	22.77	23.07	22.68	22.65	23.11	22.96	25.72	26.10	25.83		
40	1	1	256-QAM	20.53	20.55	20.24	20.42	20.66	20.80	23.49	23.62	23.54		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	23.63	23.85	23.44	23.66	23.87	24.03	26.66	26.87	26.76	29.67	0.9268
50	1	268		23.72	23.69	23.61	23.94	23.97	23.76	26.84	26.84	26.70		
50	135	67		23.86	23.64	23.37	23.69	23.94	23.94	26.79	26.80	26.67		
50	1	0		19.98	19.92	19.73	19.76	19.91	20.13	22.88	22.93	22.94		
50	1	269		20.42	19.78	19.26	19.95	20.07	19.85	23.20	22.94	22.58		
50	270	0		23.90	23.69	23.34	23.73	23.92	23.96	26.83	26.82	26.67		
50	1	1	QPSK	23.70	23.85	23.47	23.65	23.85	24.08	26.69	26.86	26.80	29.75	0.9441
50	1	268		24.14	23.69	23.10	23.74	23.84	23.70	26.95	26.78	26.42		
50	135	67		23.85	23.64	23.40	23.70	23.96	23.95	26.79	26.81	26.69		
50	1	0		19.39	19.43	19.06	19.14	19.42	19.48	22.28	22.44	22.29		
50	1	269		19.93	19.26	18.66	19.44	19.53	19.25	22.70	22.41	21.98		
50	270	0		23.87	23.69	23.37	23.72	23.93	23.96	26.81	26.82	26.69		
50	1	1	16-QAM	23.60	23.65	23.68	23.90	23.94	24.26	26.76	26.81	26.99	29.79	0.9528
50	1	1	64-QAM	22.64	23.15	22.41	22.59	23.11	22.81	25.63	26.14	25.62		
50	1	1	256-QAM	19.98	20.58	20.43	19.99	20.58	20.84	23.00	23.59	23.65		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	23.76	23.72	24.09	23.36	23.35	23.56	26.57	26.55	26.84	29.64	0.9204
10	1	50		23.90	23.82	23.81	23.38	23.46	23.47	26.66	26.65	26.65		
10	25	12		23.87	23.90	23.94	23.42	23.56	23.53	26.66	26.74	26.75		
10	1	0		19.98	20.14	20.31	19.59	19.70	19.70	22.80	22.94	23.03		
10	1	51		20.21	20.10	20.31	19.66	19.58	19.83	22.95	22.86	23.09		
10	50	0		23.90	23.98	23.93	23.41	23.53	23.56	26.67	26.77	26.76		
10	1	1	QPSK	23.81	23.78	23.99	23.37	23.37	23.49	26.61	26.59	26.76	29.8	0.955
10	1	50		24.04	23.86	24.06	23.32	23.39	23.57	26.71	26.64	26.83		
10	25	12		23.88	23.92	24.18	23.45	23.53	23.71	26.68	26.74	26.96		
10	1	0		19.40	19.40	19.77	19.07	18.98	19.25	22.25	22.21	22.53		
10	1	51		19.59	19.53	19.76	19.07	19.11	19.23	22.35	22.34	22.51		
10	50	0		23.88	23.94	24.21	23.41	23.56	23.76	26.66	26.76	27.00		
10	1	1	16-QAM	23.48	23.18	22.95	23.68	23.73	23.40	26.59	26.47	26.19	29.39	0.869
10	1	1	64-QAM	22.65	22.55	22.40	22.53	22.49	22.85	25.60	25.53	25.64		
10	1	1	256-QAM	20.26	20.02	19.90	20.21	20.26	20.42	23.25	23.15	23.18		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	23.84	23.90	24.04	23.43	23.55	23.50	26.65	26.74	26.79	29.66	0.9247
15	1	77		24.04	23.83	24.03	23.43	23.40	23.53	26.76	26.63	26.80		
15	36	18		24.00	23.97	24.08	23.54	23.55	23.55	26.79	26.78	26.83		
15	1	0		20.03	20.15	20.26	19.66	19.72	19.72	22.86	22.95	23.01		
15	1	78		20.27	20.09	20.33	19.66	19.66	19.82	22.99	22.89	23.09		
15	75	0		24.02	23.97	23.99	23.57	23.57	23.71	26.81	26.78	26.86		
15	1	1	QPSK	23.79	23.87	24.06	23.37	23.43	23.56	26.60	26.67	26.83	29.76	0.9462
15	1	77		24.06	23.87	24.07	23.41	23.38	23.58	26.76	26.64	26.84		
15	36	18		23.99	23.95	24.21	23.53	23.58	23.68	26.78	26.78	26.96		
15	1	0		19.46	19.53	19.70	19.08	19.12	19.14	22.28	22.34	22.44		
15	1	78		19.74	19.55	19.77	19.07	19.11	19.26	22.43	22.35	22.53		
15	75	0		24.01	23.95	24.18	23.50	23.54	23.69	26.77	26.76	26.95		
15	1	1	16-QAM	23.74	23.67	23.32	23.25	23.57	23.45	26.51	26.63	26.40	29.43	0.8770
15	1	1	64-QAM	22.80	22.62	22.46	22.46	22.56	22.42	25.64	25.60	25.45		
15	1	1	256-QAM	20.03	19.89	20.03	20.28	20.50	20.51	23.17	23.22	23.29		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	23.96	23.98	24.02	23.55	23.66	23.53	26.77	26.83	26.79	29.67	0.9268
20	1	104		24.13	23.86	24.03	23.58	23.46	23.61	26.87	26.67	26.84		
20	50	25		24.10	23.92	24.06	23.56	23.56	23.64	26.85	26.75	26.87		
20	1	0		20.21	20.29	20.27	19.89	19.79	19.62	23.06	23.06	22.97		
20	1	105		20.50	20.26	20.41	19.83	19.74	19.87	23.19	23.02	23.16		
20	100	0		24.10	23.98	24.08	23.58	23.56	23.60	26.86	26.79	26.86		
20	1	1	QPSK	23.99	24.05	23.96	23.56	23.64	23.42	26.79	26.86	26.71	29.75	0.9441
20	1	104		24.26	23.86	24.01	23.60	23.36	23.53	26.95	26.63	26.79		
20	50	25		24.08	23.95	24.17	23.56	23.56	23.65	26.84	26.77	26.93		
20	1	0		19.62	19.55	19.72	19.27	19.18	19.03	22.46	22.38	22.40		
20	1	105		19.92	19.62	19.77	19.26	19.22	19.14	22.61	22.43	22.48		
20	100	0		24.07	23.99	24.19	23.62	23.61	23.67	26.86	26.81	26.95		
20	1	1	16-QAM	23.65	23.77	23.74	23.74	23.40	23.60	26.71	26.60	26.68	29.51	0.8933
20	1	1	64-QAM	22.96	23.22	23.14	22.63	22.68	22.58	25.81	25.97	25.88		
20	1	1	256-QAM	20.44	20.80	20.87	20.37	20.46	20.31	23.42	23.64	23.61		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
25	1	1	BPSK	23.71	23.36	23.15	22.94	22.98	22.73	26.35	26.18	25.96	29.68	0.9290
25	1	131		23.52	23.14	23.29	23.07	22.73	22.82	26.31	25.95	26.07		
25	64	32		24.05	23.97	24.09	23.64	23.69	23.63	26.86	26.84	26.88		
25	1	0		19.69	19.83	19.47	19.55	19.39	19.11	22.63	22.63	22.30		
25	1	132		19.96	19.47	19.73	19.48	19.26	19.21	22.74	22.38	22.49		
25	128	0		24.02	23.78	23.91	23.61	23.55	23.44	26.83	26.68	26.69		
25	1	1	QPSK	23.44	23.27	22.98	22.84	22.89	22.56	26.16	26.09	25.79	29.76	0.9462
25	1	131		23.86	23.37	23.19	22.80	22.58	22.70	26.37	26.00	25.96		
25	64	32		24.16	24.02	24.12	23.72	23.71	23.65	26.96	26.88	26.90		
25	1	0		19.17	19.15	18.95	18.93	18.85	18.48	22.06	22.01	21.73		
25	1	132		19.35	18.99	19.15	18.93	18.70	18.45	22.16	21.86	21.82		
25	128	0		23.96	23.79	23.91	23.54	23.46	23.45	26.77	26.64	26.70		
25	1	1	16-QAM	23.21	22.90	22.92	23.23	22.93	22.46	26.23	25.93	25.71	29.03	0.7998
25	1	1	64-QAM	22.28	22.47	22.35	22.11	22.21	21.94	25.21	25.35	25.16		
25	1	1	256-QAM	20.32	20.25	20.19	20.13	19.92	19.73	23.24	23.10	22.98		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	23.97	24.05	24.08	23.71	23.60	23.62	26.85	26.84	26.87	29.68	0.9290
30	1	158		24.08	24.02	24.03	23.62	23.58	23.66	26.87	26.82	26.86		
30	80	40		24.02	24.04	23.99	23.70	23.68	23.68	26.87	26.87	26.85		
30	1	0		20.01	20.27	20.32	19.74	19.91	19.88	22.89	23.10	23.12		
30	1	159		20.43	20.25	20.46	19.92	19.89	20.02	23.19	23.08	23.26		
30	160	0		24.05	24.01	24.01	23.67	23.73	23.71	26.87	26.88	26.87		
30	1	1	QPSK	23.89	24.13	24.12	23.56	23.84	23.65	26.74	27.00	26.90	29.80	0.9550
30	1	158		24.15	24.08	24.14	23.72	23.62	23.76	26.95	26.87	26.96		
30	80	40		24.18	24.10	24.10	23.67	23.81	23.68	26.94	26.97	26.91		
30	1	0		19.47	19.67	19.73	19.19	19.33	19.26	22.34	22.51	22.51		
30	1	159		19.76	19.65	19.89	19.27	19.21	19.43	22.53	22.45	22.68		
30	160	0		24.14	24.12	24.10	23.69	23.79	23.83	26.93	26.97	26.98		
30	1	1	16-QAM	23.99	23.95	23.86	23.76	23.70	23.78	26.89	26.84	26.83	29.69	0.9311
30	1	1	64-QAM	22.70	23.55	23.08	22.51	22.31	22.64	25.62	25.98	25.88		
30	1	1	256-QAM	20.44	20.05	19.90	20.55	20.75	20.48	23.51	23.42	23.21		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	24.08	24.11	24.03	23.67	23.61	23.55	26.89	26.88	26.81	29.69	0.9311
40	1	214		24.02	24.08	24.03	23.65	23.56	23.68	26.85	26.84	26.87		
40	108	54		24.02	24.09	23.96	23.64	23.56	23.78	26.84	26.84	26.88		
40	1	0		20.15	20.51	20.16	19.85	20.08	19.74	23.01	23.31	22.97		
40	1	215		20.41	20.40	20.45	20.10	19.94	20.02	23.27	23.19	23.25		
40	216	0		23.98	24.02	23.91	23.71	23.71	23.64	26.86	26.88	26.79		
40	1	1	QPSK	24.05	24.08	24.09	23.87	23.66	23.55	26.97	26.89	26.84	29.80	0.955
40	1	214		23.90	24.10	24.17	23.96	23.55	23.61	26.94	26.84	26.91		
40	108	54		24.10	24.10	24.10	23.81	23.82	23.81	26.97	26.97	26.97		
40	1	0		19.66	19.94	19.56	19.41	19.48	19.12	22.55	22.73	22.36		
40	1	215		19.86	19.79	19.93	19.52	19.37	19.56	22.70	22.60	22.76		
40	216	0		24.10	24.15	24.18	23.87	23.67	23.74	27.00	26.93	26.98		
40	1	1	16-QAM	23.83	23.85	23.80	23.73	23.89	23.88	26.79	26.88	26.85	29.68	0.929
40	1	1	64-QAM	22.91	23.09	23.18	22.67	22.69	22.68	25.80	25.90	25.95		
40	1	1	256-QAM	20.69	20.88	20.94	20.41	20.79	20.52	23.56	23.85	23.75		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	23.91	24.09	24.02	23.78	23.62	23.60	26.86	26.87	26.83	29.68	0.9290
50	1	268		24.07	23.96	24.06	23.64	23.70	23.64	26.87	26.84	26.87		
50	135	67		23.97	23.95	24.12	23.75	23.71	23.55	26.87	26.84	26.85		
50	1	0		20.08	20.42	20.14	19.78	19.99	19.90	22.94	23.22	23.03		
50	1	269		20.30	20.40	20.43	20.03	20.04	20.05	23.18	23.23	23.25		
50	270	0		23.90	23.90	24.11	23.71	23.70	23.61	26.82	26.81	26.88		
50	1	1	QPSK	23.86	24.00	23.97	23.66	23.83	23.70	26.77	26.93	26.85	29.78	0.9506
50	1	268		24.06	24.21	24.24	23.72	23.72	23.69	26.90	26.98	26.98		
50	135	67		24.17	24.14	24.13	23.72	23.77	23.58	26.96	26.97	26.87		
50	1	0		19.55	19.84	19.55	19.27	19.35	19.19	22.42	22.61	22.38		
50	1	269		19.72	19.77	19.86	19.35	19.24	19.49	22.55	22.52	22.69		
50	270	0		24.16	24.10	24.13	23.73	23.75	23.68	26.96	26.94	26.92		
50	1	1	16-QAM	23.69	23.45	23.43	23.74	23.76	23.73	26.73	26.62	26.59	29.53	0.8974
50	1	1	64-QAM	22.63	22.43	22.45	22.64	22.21	22.28	25.65	25.33	25.38		
50	1	1	256-QAM	20.06	20.14	20.01	20.06	20.09	20.48	23.07	23.13	23.26		
Limit	EIRP < 1W			Result									Pass	



<SCS 30k>

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	23.33	23.04	22.67	23.44	23.63	23.41	26.40	26.36	26.07	29.30	0.8511
10	1	22		23.32	22.94	22.66	23.47	23.63	23.40	26.41	26.31	26.06		
10	12	6		23.42	23.13	22.74	23.55	23.80	23.47	26.50	26.49	26.13		
10	1	0		19.47	19.16	18.79	19.55	19.81	19.57	22.52	22.51	22.21		
10	1	23		19.44	19.17	18.77	19.56	19.84	19.60	22.51	22.53	22.22		
10	24	0		23.38	23.13	22.72	23.52	23.75	23.42	26.46	26.46	26.09		
10	1	1	QPSK	23.35	22.97	22.61	23.37	23.57	23.31	26.37	26.29	25.98	29.30	0.8511
10	1	22		23.34	22.89	22.62	23.40	23.57	23.34	26.38	26.25	26.01		
10	12	6		23.41	23.16	22.73	23.54	23.80	23.47	26.49	26.50	26.13		
10	1	0		18.92	18.67	18.16	18.97	19.28	18.91	21.96	22.00	21.56		
10	1	23		18.82	18.56	18.22	18.90	19.28	19.04	21.87	21.95	21.66		
10	24	0		23.38	23.13	22.70	23.51	23.79	23.44	26.46	26.48	26.10		
10	1	1	16-QAM	23.49	23.17	22.70	23.41	23.79	23.49	26.46	26.50	26.12	29.30	0.8511
10	1	1	64-QAM	22.48	22.34	21.70	22.57	22.91	22.33	25.54	25.64	25.04		
10	1	1	256-QAM	19.90	19.63	19.18	20.03	20.24	19.95	22.98	22.96	22.59		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	23.48	23.14	22.85	23.49	23.67	23.55	26.50	26.42	26.22	29.31	0.8531
15	1	36		23.36	23.06	22.72	23.41	23.75	23.46	26.40	26.43	26.12		
15	18	9		23.41	23.15	22.78	23.57	23.77	23.59	26.50	26.48	26.21		
15	1	0		19.57	19.36	18.95	19.66	19.85	19.72	22.63	22.62	22.36		
15	1	37		19.51	19.23	18.79	19.62	19.89	19.61	22.58	22.58	22.23		
15	36	0		23.41	23.16	22.82	23.58	23.81	23.57	26.51	26.51	26.22		
15	1	1	QPSK	23.47	23.10	22.78	23.49	23.62	23.52	26.49	26.38	26.18	29.37	0.8650
15	1	36		23.32	23.00	22.64	23.49	23.70	23.43	26.42	26.37	26.06		
15	18	9		23.42	23.18	22.77	23.57	23.80	23.59	26.51	26.51	26.21		
15	1	0		18.99	18.86	18.44	19.04	19.33	19.22	22.03	22.11	21.86		
15	1	37		18.95	18.70	18.29	19.07	19.36	19.10	22.02	22.05	21.72		
15	36	0		23.43	23.24	22.79	23.62	23.85	23.66	26.54	26.57	26.26		
15	1	1	16-QAM	23.57	23.17	22.95	23.57	23.71	23.57	26.58	26.46	26.28	29.38	0.8670
15	1	1	64-QAM	22.72	22.26	21.75	22.80	22.72	22.40	25.77	25.51	25.10		
15	1	1	256-QAM	20.03	19.62	19.36	20.12	20.14	20.11	23.09	22.90	22.76		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	23.46	23.11	22.84	23.46	23.60	23.50	26.47	26.37	26.19	29.33	0.8570
20	1	49		23.41	22.97	22.68	23.41	23.66	23.40	26.42	26.34	26.07		
20	25	12		23.40	23.16	22.79	23.55	23.74	23.58	26.49	26.47	26.21		
20	1	0		19.59	19.26	19.02	19.52	19.84	19.63	22.57	22.57	22.35		
20	1	50		19.52	19.12	18.90	19.53	19.88	19.53	22.54	22.53	22.24		
20	50	0		23.44	23.18	22.79	23.59	23.77	23.58	26.53	26.50	26.21		
20	1	1	QPSK	23.35	23.07	22.94	23.39	23.53	23.47	26.38	26.32	26.22	29.34	0.8590
20	1	49		23.33	22.95	22.78	23.41	23.61	23.42	26.38	26.30	26.12		
20	25	12		23.39	23.16	22.80	23.58	23.73	23.60	26.50	26.46	26.23		
20	1	0		19.06	18.67	18.47	19.03	19.27	19.06	22.06	21.99	21.79		
20	1	50		18.97	18.52	18.33	18.97	19.34	19.03	21.98	21.96	21.70		
20	50	0		23.45	23.17	22.81	23.61	23.78	23.61	26.54	26.50	26.24		
20	1	1	16-QAM	23.46	23.10	22.94	23.51	23.55	23.45	26.50	26.34	26.21	29.30	0.8511
20	1	1	64-QAM	22.85	22.25	22.10	22.98	22.78	22.65	25.93	25.53	25.39		
20	1	1	256-QAM	20.04	19.53	19.45	20.06	20.14	20.05	23.06	22.86	22.77		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
25	1	1	BPSK	22.96	22.46	22.34	22.94	22.99	23.11	25.96	25.74	25.75	29.37	0.8650
25	1	63		22.98	22.23	22.64	22.97	22.97	23.02	25.99	25.63	25.84		
25	32	16		23.40	23.19	22.80	23.72	23.86	23.65	26.57	26.55	26.26		
25	1	0		19.52	19.34	18.96	19.52	19.48	19.47	22.53	22.42	22.23		
25	1	64		19.48	19.42	18.93	19.61	19.50	19.46	22.56	22.47	22.21		
25	64	0		23.19	22.98	22.67	23.53	23.72	23.52	26.37	26.38	26.13		
25	1	1	QPSK	23.29	22.45	22.65	23.04	22.91	23.48	26.18	25.70	26.10	29.38	0.8670
25	1	63		22.91	22.24	22.43	22.92	23.01	23.35	25.93	25.65	25.92		
25	32	16		23.39	23.17	22.71	23.74	23.84	24.05	26.58	26.53	26.44		
25	1	0		18.73	17.94	18.00	18.95	18.40	18.88	21.85	21.19	21.47		
25	1	64		18.54	17.94	17.79	18.81	18.62	18.73	21.69	21.30	21.30		
25	64	0		23.26	23.00	22.29	23.54	23.66	23.53	26.41	26.35	25.96		
25	1	1	16-QAM	23.57	22.19	22.74	23.08	22.78	23.50	26.34	25.51	26.15	29.14	0.8204
25	1	1	64-QAM	22.25	21.44	21.54	22.56	22.06	22.74	25.42	24.77	25.19		
25	1	1	256-QAM	19.57	19.28	18.86	19.85	19.72	20.06	22.72	22.52	22.51		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	23.41	23.30	23.09	23.93	24.08	24.25	26.69	26.72	26.72	29.65	0.9226
30	1	76		23.60	23.12	22.69	24.06	24.16	24.03	26.85	26.68	26.42		
30	36	18		23.39	23.29	22.94	24.02	24.25	24.17	26.73	26.81	26.61		
30	1	0		19.48	19.46	19.23	20.11	20.31	20.37	22.82	22.92	22.85		
30	1	77		19.66	19.31	18.81	20.19	20.34	20.18	22.94	22.87	22.56		
30	75	0		23.44	23.27	22.93	24.04	24.29	24.20	26.76	26.82	26.62		
30	1	1	QPSK	23.38	23.39	23.08	23.87	24.17	24.14	26.64	26.81	26.65	29.63	0.9183
30	1	76		23.60	23.10	22.62	24.00	24.12	23.97	26.81	26.65	26.36		
30	36	18		23.42	23.27	22.95	24.01	24.25	24.17	26.74	26.80	26.61		
30	1	0		18.87	18.92	18.64	19.47	19.71	19.81	22.19	22.34	22.27		
30	1	77		19.10	18.78	18.26	19.64	19.81	19.62	22.39	22.34	22.00		
30	75	0		23.47	23.33	22.96	24.02	24.26	24.21	26.76	26.83	26.64		
30	1	1	16-QAM	23.47	23.26	23.08	23.94	24.02	24.20	26.72	26.67	26.69	29.52	0.8954
30	1	1	64-QAM	22.36	22.40	22.07	22.93	23.15	23.11	25.66	25.80	25.63		
30	1	1	256-QAM	19.90	19.85	19.64	20.45	20.62	20.75	23.19	23.26	23.24		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	23.59	23.26	23.16	23.93	23.92	24.10	26.77	26.61	26.67	29.67	0.9268
40	1	104		23.75	23.07	22.71	23.97	24.03	24.02	26.87	26.59	26.42		
40	50	25		23.41	23.23	22.97	23.95	24.11	24.03	26.70	26.70	26.54		
40	1	0		19.64	19.57	19.22	20.10	20.17	20.23	22.89	22.89	22.76		
40	1	105		19.83	19.40	18.96	20.21	20.36	20.18	23.03	22.92	22.62		
40	100	0		23.45	23.22	22.90	23.96	24.10	24.08	26.72	26.69	26.54		
40	1	1	QPSK	23.52	23.21	23.07	23.83	23.88	24.14	26.69	26.57	26.65	29.64	0.9204
40	1	104		23.70	22.97	22.80	23.96	23.93	24.06	26.84	26.49	26.49		
40	50	25		23.43	23.26	22.92	23.98	24.18	24.06	26.72	26.75	26.54		
40	1	0		19.03	19.06	18.66	19.52	19.74	19.72	22.29	22.42	22.23		
40	1	105		19.33	18.80	18.38	19.63	19.76	19.62	22.49	22.32	22.05		
40	100	0		23.50	23.27	22.91	24.00	24.12	24.06	26.77	26.73	26.53		
40	1	1	16-QAM	23.59	23.22	23.18	24.04	23.87	24.17	26.83	26.57	26.71	29.63	0.9183
40	1	1	64-QAM	22.24	22.56	22.43	22.76	23.13	23.43	25.52	25.86	25.97		
40	1	1	256-QAM	20.06	20.03	19.59	20.57	20.61	20.68	23.33	23.34	23.18		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	23.34	23.39	23.07	23.74	23.93	24.08	26.55	26.68	26.61	29.69	0.9311
50	1	131		23.74	23.22	22.62	24.02	24.04	23.81	26.89	26.66	26.27		
50	64	32		23.45	23.20	23.01	23.79	24.09	24.04	26.63	26.68	26.57		
50	1	0		19.37	19.56	19.17	19.80	20.07	20.22	22.60	22.83	22.74		
50	1	132		19.84	19.35	18.76	20.11	20.19	20.05	22.99	22.80	22.46		
50	128	0		23.45	23.29	22.95	23.84	24.03	24.05	26.66	26.69	26.55		
50	1	1	QPSK	23.25	23.40	22.98	23.70	23.91	24.03	26.49	26.67	26.55	29.69	0.9311
50	1	131		23.74	23.19	22.58	24.02	24.10	23.84	26.89	26.68	26.27		
50	64	32		23.46	23.26	23.03	23.81	24.09	24.06	26.65	26.71	26.59		
50	1	0		18.94	19.08	18.54	19.26	19.57	19.65	22.11	22.34	22.14		
50	1	132		19.23	18.82	18.12	19.55	19.62	19.42	22.40	22.25	21.83		
50	128	0		23.42	23.25	22.96	23.81	24.02	24.04	26.63	26.66	26.54		
50	1	1	16-QAM	23.35	23.49	22.98	23.75	24.04	24.02	26.56	26.78	26.54	29.58	0.9078
50	1	1	64-QAM	22.27	22.69	22.03	22.67	23.18	22.96	25.48	25.95	25.53		
50	1	1	256-QAM	19.83	19.84	19.55	20.21	20.32	20.61	23.03	23.10	23.12		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	23.23	23.21	22.69	23.63	23.73	23.65	26.44	26.49	26.21	29.53	0.8974
60	1	160		23.44	23.08	22.67	23.85	23.83	23.71	26.66	26.48	26.23		
60	81	40		23.57	23.26	23.07	23.86	24.03	24.00	26.73	26.67	26.57		
60	1	0		19.27	19.32	18.75	19.64	19.77	19.81	22.47	22.56	22.32		
60	1	161		19.49	19.27	18.65	19.86	19.96	19.86	22.69	22.64	22.31		
60	162	0		23.49	23.27	22.91	23.81	23.97	23.92	26.66	26.64	26.45		
60	1	1	QPSK	23.30	23.43	22.60	23.68	23.83	23.63	26.50	26.64	26.16	29.53	0.8974
60	1	160		23.44	23.09	22.59	23.87	23.82	23.65	26.67	26.48	26.16		
60	81	40		23.56	23.31	23.08	23.87	24.03	24.03	26.73	26.70	26.59		
60	1	0		18.79	18.85	18.21	19.11	19.27	19.27	21.96	22.08	21.78		
60	1	161		18.92	18.71	18.11	19.30	19.43	19.37	22.12	22.10	21.80		
60	162	0		23.50	23.32	22.94	23.83	23.99	23.96	26.68	26.68	26.49		
60	1	1	16-QAM	23.27	23.20	22.68	23.67	23.64	23.64	26.48	26.44	26.20	29.28	0.8472
60	1	1	64-QAM	22.20	22.55	21.89	22.57	22.95	22.76	25.40	25.76	25.36		
60	1	1	256-QAM	19.65	18.16	19.19	19.94	18.53	20.14	22.81	21.36	22.70		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	23.22	23.31	22.64	23.54	23.72	23.56	26.39	26.53	26.13	29.48	0.8872
70	1	187		23.42	23.16	22.64	23.81	23.83	23.72	26.63	26.52	26.22		
70	90	45		23.54	23.26	23.04	23.74	23.98	23.90	26.65	26.65	26.50		
70	1	0		19.30	19.42	18.82	19.61	19.84	19.74	22.47	22.65	22.31		
70	1	188		19.54	19.30	18.88	19.89	19.94	19.95	22.73	22.64	22.46		
70	180	0		23.50	23.29	22.97	23.73	24.01	23.82	26.63	26.68	26.43		
70	1	1	QPSK	23.15	23.29	22.62	23.46	23.73	23.55	26.32	26.53	26.12	29.51	0.8933
70	1	187		23.36	23.16	22.70	23.76	23.84	23.75	26.57	26.52	26.27		
70	90	45		23.52	23.34	23.05	23.72	24.03	23.92	26.63	26.71	26.52		
70	1	0		18.78	18.96	18.25	19.03	19.35	19.21	21.92	22.17	21.77		
70	1	188		19.00	18.76	18.34	19.36	19.41	19.39	22.19	22.11	21.91		
70	180	0		23.51	23.27	22.96	23.73	23.98	23.85	26.63	26.65	26.44		
70	1	1	16-QAM	23.20	23.25	22.61	23.48	23.71	23.54	26.35	26.50	26.11	29.30	0.8511
70	1	1	64-QAM	22.23	22.37	21.71	22.53	22.76	22.50	25.39	25.58	25.13		
70	1	1	256-QAM	19.80	19.91	19.16	20.10	20.29	20.06	22.96	23.11	22.64		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	23.24	23.25	22.87	23.56	23.67	23.74	26.41	26.48	26.34	29.54	0.8995
80	1	215		23.21	23.21	22.63	23.76	23.88	23.72	26.50	26.57	26.22		
80	108	54		23.60	23.32	23.13	23.85	23.99	23.97	26.74	26.68	26.58		
80	1	0		19.36	19.35	18.95	19.67	19.76	19.84	22.53	22.57	22.43		
80	1	216		19.33	19.35	18.83	19.81	20.00	19.94	22.59	22.70	22.43		
80	216	0		23.48	23.36	22.94	23.79	23.94	23.87	26.65	26.67	26.44		
80	1	1	QPSK	23.21	23.36	22.83	23.54	23.78	23.68	26.39	26.59	26.29	29.54	0.8995
80	1	215		23.16	23.18	22.58	23.72	23.82	23.67	26.46	26.52	26.17		
80	108	54		23.59	23.35	23.15	23.86	24.02	23.99	26.74	26.71	26.60		
80	1	0		18.86	18.84	18.42	19.11	19.25	19.27	22.00	22.06	21.88		
80	1	216		18.81	18.78	18.26	19.30	19.44	19.35	22.07	22.13	21.85		
80	216	0		23.49	23.38	23.00	23.81	23.98	23.86	26.66	26.70	26.46		
80	1	1	16-QAM	23.16	23.22	22.78	23.49	23.63	23.66	26.34	26.44	26.25	29.24	0.8395
80	1	1	64-QAM	22.25	22.32	21.73	22.59	22.71	22.44	25.43	25.53	25.11		
80	1	1	256-QAM	19.69	19.82	19.32	19.99	20.24	20.16	22.85	23.05	22.77		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	23.14	23.17	23.16	23.46	23.64	23.86	26.31	26.42	26.53	29.54	0.8995
90	1	243		23.38	23.17	22.63	23.88	23.89	23.64	26.65	26.56	26.17		
90	120	60		23.63	23.28	23.21	23.82	23.97	24.05	26.74	26.65	26.66		
90	1	0		19.24	19.36	19.32	19.55	19.77	20.01	22.41	22.58	22.69		
90	1	244		19.51	19.38	18.81	20.00	20.05	19.87	22.77	22.74	22.38		
90	243	0		23.49	23.37	23.09	23.76	23.97	23.98	26.64	26.69	26.57		
90	1	1	QPSK	23.12	23.36	23.15	23.42	23.77	23.87	26.28	26.58	26.54	29.58	0.9078
90	1	243		23.40	23.24	22.58	23.89	23.91	23.65	26.66	26.60	26.16		
90	120	60		23.62	23.44	23.23	23.79	24.06	24.07	26.72	26.77	26.68		
90	1	0		18.73	18.45	18.74	18.96	19.19	19.48	21.86	21.85	22.14		
90	1	244		19.01	18.96	18.26	19.49	19.58	19.34	22.27	22.29	21.84		
90	243	0		23.51	23.47	23.13	23.76	24.05	24.00	26.65	26.78	26.60		
90	1	1	16-QAM	23.20	23.21	23.16	23.50	23.63	23.94	26.36	26.44	26.58	29.38	0.8670
90	1	1	64-QAM	22.13	22.63	22.25	22.41	23.02	22.78	25.28	25.84	25.53		
90	1	1	256-QAM	19.59	19.75	19.60	19.85	20.12	20.30	22.73	22.95	22.97		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	23.36	23.29	23.14	23.62	23.65	23.72	26.50	26.48	26.45	29.67	0.9268
100	1	271		23.45	23.21	22.80	23.92	23.92	23.80	26.70	26.59	26.34		
100	135	67		23.78	23.43	23.21	23.93	24.04	24.00	26.87	26.76	26.63		
100	1	0		19.47	19.39	19.26	19.69	19.77	19.90	22.59	22.59	22.60		
100	1	272		19.59	19.37	18.97	20.05	20.06	19.97	22.84	22.74	22.51		
100	270	0		23.63	23.48	23.10	23.88	23.98	23.95	26.77	26.75	26.56		
100	1	1	QPSK	23.29	23.37	23.12	23.58	23.74	23.74	26.45	26.57	26.45	29.67	0.9268
100	1	271		23.41	23.31	22.76	23.90	24.02	23.76	26.67	26.69	26.30		
100	135	67		23.76	23.47	23.24	23.95	24.10	24.03	26.87	26.81	26.66		
100	1	0		18.93	18.83	18.71	19.12	19.15	19.35	22.04	22.00	22.05		
100	1	272		19.02	18.77	18.40	19.49	19.50	19.44	22.27	22.16	21.96		
100	270	0		23.63	23.48	23.11	23.84	23.99	23.93	26.75	26.75	26.55		
100	1	1	16-QAM	23.32	23.36	23.13	23.57	23.69	23.83	26.46	26.54	26.50	29.34	0.8590
100	1	1	64-QAM	22.56	22.68	22.20	22.79	23.06	22.64	25.69	25.88	25.44		
100	1	1	256-QAM	19.88	19.76	19.63	20.11	20.14	20.26	23.01	22.96	22.97		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	23.59	23.70	23.96	23.63	23.70	23.84	26.62	26.71	26.91	29.76	0.9462
10	1	22		23.68	23.60	23.98	23.52	23.61	23.78	26.61	26.62	26.89		
10	12	6		23.74	23.78	23.99	23.71	23.77	23.91	26.74	26.79	26.96		
10	1	0		19.78	19.96	20.14	19.79	19.82	19.90	22.80	22.90	23.03		
10	1	23		19.93	19.86	20.16	19.62	19.73	19.88	22.79	22.81	23.03		
10	24	0		23.77	23.81	23.91	23.68	23.76	23.95	26.74	26.80	26.94		
10	1	1	QPSK	23.51	23.67	24.01	23.52	23.64	23.80	26.53	26.67	26.92	29.80	0.9550
10	1	22		23.62	23.67	23.97	23.50	23.63	23.77	26.57	26.66	26.88		
10	12	6		23.72	23.83	23.99	23.71	23.79	23.89	26.73	26.82	26.95		
10	1	0		19.22	19.40	19.61	19.26	19.33	19.35	22.25	22.38	22.49		
10	1	23		19.41	19.32	19.58	19.24	19.21	19.35	22.34	22.28	22.48		
10	24	0		23.72	23.75	24.12	23.67	23.69	23.85	26.71	26.73	27.00		
10	1	1	16-QAM	23.57	23.79	24.00	23.55	23.73	23.90	26.57	26.77	26.96	29.76	0.9462
10	1	1	64-QAM	22.93	22.78	23.01	22.97	22.75	22.83	25.96	25.78	25.93		
10	1	1	256-QAM	20.23	20.21	20.44	20.27	20.14	20.26	23.26	23.19	23.36		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	23.67	23.78	23.96	23.76	23.72	23.80	26.73	26.76	26.89	29.75	0.9441
15	1	36		23.78	23.67	23.96	23.60	23.61	23.77	26.70	26.65	26.88		
15	18	9		23.82	23.76	23.99	23.76	23.73	23.88	26.80	26.76	26.95		
15	1	0		19.90	20.00	20.18	19.84	19.89	19.90	22.88	22.96	23.05		
15	1	37		20.04	19.85	20.12	19.86	19.74	19.85	22.96	22.81	23.00		
15	36	0		23.80	23.80	23.99	23.75	23.76	23.88	26.79	26.79	26.95		
15	1	1	QPSK	23.68	23.74	23.96	23.70	23.72	23.72	26.70	26.74	26.85	29.80	0.9550
15	1	36		23.84	23.62	23.91	23.64	23.58	23.72	26.75	26.61	26.83		
15	18	9		23.81	23.79	24.06	23.74	23.74	23.85	26.79	26.78	26.97		
15	1	0		19.38	19.47	19.64	19.41	19.37	19.41	22.41	22.43	22.54		
15	1	37		19.49	19.27	19.62	19.35	19.25	19.30	22.43	22.27	22.47		
15	36	0		23.82	23.82	24.09	23.74	23.79	23.89	26.79	26.82	27.00		
15	1	1	16-QAM	23.73	23.80	24.02	23.67	23.74	23.80	26.71	26.78	26.92	29.72	0.9376
15	1	1	64-QAM	23.14	23.10	23.25	23.19	23.08	23.05	26.18	26.10	26.16		
15	1	1	256-QAM	20.22	20.45	20.46	20.23	20.42	20.22	23.24	23.45	23.35		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	23.72	23.79	23.91	23.75	23.75	23.71	26.75	26.78	26.82	29.77	0.9484
20	1	49		23.87	23.64	23.91	23.66	23.56	23.69	26.78	26.61	26.81		
20	25	12		23.90	23.84	23.98	23.79	23.77	23.83	26.86	26.82	26.92		
20	1	0		19.92	20.02	20.12	19.82	19.95	19.78	22.88	23.00	22.96		
20	1	50		20.20	19.86	20.17	19.82	19.73	19.81	23.02	22.81	23.00		
20	50	0		23.91	23.83	24.02	23.84	23.79	23.89	26.89	26.82	26.97		
20	1	1	QPSK	23.76	23.82	23.85	23.76	23.68	23.65	26.77	26.76	26.76	29.77	0.9484
20	1	49		23.86	23.69	23.90	23.67	23.57	23.71	26.78	26.64	26.82		
20	25	12		23.96	23.83	24.08	23.85	23.78	23.83	26.92	26.82	26.97		
20	1	0		19.39	19.55	19.60	19.52	19.46	19.27	22.47	22.52	22.45		
20	1	50		19.60	19.40	19.63	19.40	19.27	19.27	22.51	22.35	22.46		
20	50	0		23.96	23.84	24.01	23.82	23.79	23.81	26.90	26.83	26.92		
20	1	1	16-QAM	23.75	23.84	23.95	23.79	23.88	23.76	26.78	26.87	26.87	29.67	0.9268
20	1	1	64-QAM	23.01	23.05	23.04	23.11	23.06	22.87	26.07	26.07	25.97		
20	1	1	256-QAM	20.38	20.35	20.40	20.43	20.34	20.29	23.42	23.36	23.36		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
25	1	1	BPSK	23.06	23.10	23.14	23.27	23.10	23.09	26.18	26.11	26.13	29.78	0.9506
25	1	63		23.37	22.81	23.32	23.16	22.90	23.15	26.28	25.87	26.25		
25	32	16		24.01	23.84	23.95	23.92	23.90	23.82	26.98	26.88	26.90		
25	1	0		19.56	19.63	19.04	19.75	19.65	18.92	22.67	22.65	21.99		
25	1	64		19.86	19.31	19.53	19.76	19.33	19.12	22.82	22.33	22.34		
25	64	0		23.82	23.71	23.77	23.88	23.71	23.70	26.86	26.72	26.75		
25	1	1	QPSK	23.25	23.28	22.99	23.09	23.22	22.89	26.18	26.26	25.95	29.78	0.9506
25	1	63		23.47	22.91	23.11	23.07	22.91	22.95	26.28	25.92	26.04		
25	32	16		23.95	23.84	23.99	23.98	23.91	23.85	26.98	26.89	26.93		
25	1	0		18.89	19.05	18.69	19.11	19.17	18.49	22.01	22.12	21.60		
25	1	64		19.12	18.91	18.77	19.19	18.91	18.53	22.17	21.92	21.66		
25	64	0		23.85	23.63	23.82	23.82	23.73	23.66	26.85	26.69	26.75		
25	1	1	16-QAM	23.68	23.79	22.77	23.10	23.24	22.69	26.41	26.53	25.74	29.33	0.8570
25	1	1	64-QAM	22.60	22.45	22.51	22.78	22.59	22.25	25.70	25.53	25.39		
25	1	1	256-QAM	19.95	20.08	19.80	20.10	19.44	19.44	23.04	23.10	22.63		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	23.67	23.94	23.84	23.75	23.89	23.75	26.72	26.93	26.81	29.79	0.9528
30	1	76		23.99	23.77	23.89	23.88	23.75	23.88	26.95	26.77	26.90		
30	36	18		23.91	23.85	23.81	23.82	23.99	24.03	26.88	26.93	26.93		
30	1	0		19.80	20.06	20.08	20.01	20.07	19.97	22.92	23.08	23.04		
30	1	77		20.15	19.94	20.24	20.06	19.88	20.08	23.12	22.92	23.17		
30	75	0		23.85	23.90	23.95	23.85	23.95	24.00	26.86	26.94	26.99		
30	1	1	QPSK	23.59	23.84	23.87	23.70	23.87	23.70	26.66	26.87	26.80	29.78	0.9506
30	1	76		23.93	23.72	24.01	23.82	23.66	23.85	26.89	26.70	26.94		
30	36	18		23.93	23.90	23.95	23.76	23.91	23.96	26.86	26.92	26.97		
30	1	0		19.29	19.51	19.51	19.45	19.56	19.44	22.38	22.55	22.49		
30	1	77		19.60	19.40	19.77	19.54	19.39	19.57	22.58	22.41	22.68		
30	75	0		23.92	23.88	23.94	23.81	23.91	23.99	26.88	26.91	26.98		
30	1	1	16-QAM	23.81	23.99	23.88	23.85	23.97	23.77	26.84	26.99	26.84	29.79	0.9528
30	1	1	64-QAM	22.87	22.95	23.16	23.02	23.03	23.03	25.96	26.00	26.11		
30	1	1	256-QAM	20.25	20.43	20.35	20.42	20.46	20.22	23.35	23.46	23.30		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	23.88	24.00	23.65	23.92	23.85	23.61	26.91	26.94	26.64	29.77	0.9484
40	1	104		24.02	23.79	23.88	23.73	23.63	23.80	26.89	26.72	26.85		
40	50	25		24.00	23.89	23.87	23.92	23.92	23.93	26.97	26.92	26.91		
40	1	0		20.00	20.24	20.03	20.13	20.23	19.94	23.08	23.25	23.00		
40	1	105		20.19	20.05	20.23	20.28	20.00	20.06	23.25	23.04	23.16		
40	100	0		23.96	23.88	23.98	23.95	23.89	23.78	26.97	26.90	26.89		
40	1	1	QPSK	23.96	24.11	23.60	24.00	23.79	23.58	26.99	26.96	26.60	29.80	0.9550
40	1	104		23.95	23.87	23.97	23.99	23.64	23.72	26.98	26.77	26.86		
40	50	25		24.03	23.89	24.05	23.94	23.94	23.91	27.00	26.93	26.99		
40	1	0		19.47	19.68	19.49	19.63	19.73	19.40	22.56	22.72	22.46		
40	1	105		19.72	19.52	19.74	19.79	19.46	19.59	22.77	22.50	22.68		
40	100	0		23.96	23.88	23.87	23.96	23.89	23.79	26.97	26.90	26.84		
40	1	1	16-QAM	23.93	24.00	23.87	23.85	23.94	23.56	26.90	26.98	26.73	29.78	0.9506
40	1	1	64-QAM	22.83	23.02	22.75	22.96	23.00	22.68	25.91	26.02	25.73		
40	1	1	256-QAM	20.22	20.49	20.45	20.42	20.47	20.43	23.33	23.49	23.45		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	23.71	23.83	23.78	23.78	23.82	23.82	26.76	26.84	26.81	29.69	0.9311
50	1	131		23.86	23.85	23.87	23.87	23.89	23.85	26.88	26.88	26.87		
50	64	32		23.86	23.90	23.87	23.83	23.85	23.73	26.86	26.89	26.81		
50	1	0		19.85	20.16	19.89	19.95	20.07	19.89	22.91	23.13	22.90		
50	1	132		20.04	20.08	20.17	20.03	19.99	20.01	23.05	23.05	23.10		
50	128	0		23.83	23.89	23.86	23.83	23.81	23.78	26.84	26.86	26.83		
50	1	1	QPSK	23.77	23.90	23.70	23.86	23.92	23.66	26.83	26.92	26.69	29.76	0.9462
50	1	131		23.86	23.87	24.07	23.85	23.82	23.82	26.87	26.86	26.96		
50	64	32		23.98	23.89	23.88	23.92	23.94	23.72	26.96	26.93	26.81		
50	1	0		19.26	19.62	19.34	19.37	19.60	19.37	22.33	22.62	22.37		
50	1	132		19.45	19.56	19.69	19.43	19.48	19.46	22.45	22.53	22.59		
50	128	0		23.93	23.92	23.86	23.86	23.87	23.73	26.91	26.91	26.81		
50	1	1	16-QAM	23.80	23.92	23.77	24.01	24.00	23.72	26.92	26.97	26.76	29.77	0.9484
50	1	1	64-QAM	22.74	23.03	22.75	22.84	22.91	22.73	25.80	25.98	25.75		
50	1	1	256-QAM	20.33	20.63	20.34	20.50	20.57	20.34	23.43	23.61	23.35		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	23.69	23.90	23.83	23.81	23.76	23.90	26.76	26.84	26.88	29.68	0.9290
60	1	160		23.83	23.90	23.90	23.78	23.78	23.75	26.82	26.85	26.84		
60	81	40		23.85	23.10	23.85	23.82	23.88	23.84	26.85	26.52	26.86		
60	1	0		19.80	19.96	19.87	19.95	19.87	19.88	22.89	22.93	22.89		
60	1	161		19.89	20.01	20.04	19.89	19.95	19.98	22.90	22.99	23.02		
60	162	0		23.86	23.85	23.87	23.87	23.88	23.83	26.88	26.88	26.86		
60	1	1	QPSK	23.68	23.78	23.76	23.84	23.68	23.77	26.77	26.74	26.78	29.71	0.9354
60	1	160		23.75	23.83	23.88	23.66	23.74	23.69	26.72	26.80	26.80		
60	81	40		23.89	23.82	23.87	23.84	23.90	23.88	26.88	26.87	26.89		
60	1	0		19.19	19.40	19.36	19.35	19.30	19.38	22.28	22.36	22.38		
60	1	161		19.33	19.39	19.55	19.27	19.37	19.40	22.31	22.39	22.49		
60	162	0		23.90	23.86	23.90	23.88	23.88	23.90	26.90	26.88	26.91		
60	1	1	16-QAM	23.75	23.82	23.84	23.91	23.78	23.86	26.84	26.81	26.86	29.66	0.9247
60	1	1	64-QAM	22.53	22.62	22.89	22.66	22.55	22.97	25.61	25.60	25.94		
60	1	1	256-QAM	20.04	20.28	20.23	20.15	20.19	20.27	23.11	23.25	23.26		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	23.61	23.89	23.89	23.72	23.74	23.98	26.68	26.83	26.95	29.75	0.9441
70	1	187		23.81	23.96	23.96	23.69	23.88	23.85	26.76	26.93	26.92		
70	90	45		23.85	23.82	23.83	23.84	23.90	23.84	26.86	26.87	26.85		
70	1	0		19.80	19.98	20.12	19.87	19.88	20.09	22.85	22.94	23.12		
70	1	188		19.91	20.01	20.03	19.77	19.97	19.95	22.85	23.00	23.00		
70	180	0		23.89	23.95	24.03	23.79	23.86	23.85	26.85	26.92	26.95		
70	1	1	QPSK	23.59	23.82	23.95	23.72	23.71	23.93	26.67	26.78	26.95	29.79	0.9528
70	1	187		23.75	23.91	23.87	23.61	23.80	23.76	26.69	26.87	26.83		
70	90	45		23.99	23.92	24.00	23.88	23.94	23.95	26.95	26.94	26.99		
70	1	0		19.25	19.42	19.61	19.31	19.25	19.58	22.29	22.35	22.61		
70	1	188		19.40	19.48	19.42	19.26	19.38	19.33	22.34	22.44	22.39		
70	180	0		23.89	23.96	23.97	23.82	23.89	23.98	26.87	26.94	26.99		
70	1	1	16-QAM	23.71	23.86	23.98	23.85	23.77	23.99	26.79	26.83	27.00	29.80	0.9550
70	1	1	64-QAM	22.60	22.87	23.02	22.73	22.75	22.98	25.68	25.82	26.01		
70	1	1	256-QAM	20.30	20.36	20.65	20.37	20.18	20.59	23.35	23.28	23.63		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	23.72	23.87	23.97	23.86	23.82	23.83	26.80	26.86	26.91	29.78	0.9506
80	1	215		23.92	23.96	23.96	23.95	23.96	23.93	26.95	26.97	26.96		
80	108	54		23.91	23.93	23.93	23.97	23.91	23.98	26.95	26.93	26.97		
80	1	0		19.85	19.92	20.07	20.00	19.89	19.92	22.94	22.92	23.01		
80	1	216		20.14	20.15	20.18	20.10	20.08	20.06	23.13	23.13	23.13		
80	216	0		23.93	23.91	23.95	23.96	23.96	23.98	26.96	26.95	26.98		
80	1	1	QPSK	23.65	23.76	23.93	23.82	23.73	23.80	26.75	26.76	26.88	29.79	0.9528
80	1	215		23.94	24.01	24.05	23.87	23.92	23.91	26.92	26.98	26.99		
80	108	54		23.92	23.92	23.91	23.99	23.99	23.97	26.97	26.97	26.95		
80	1	0		19.32	19.48	19.54	19.41	19.40	19.39	22.38	22.45	22.48		
80	1	216		19.58	19.65	19.65	19.50	19.58	19.52	22.55	22.63	22.60		
80	216	0		23.94	23.94	23.97	23.97	23.98	23.98	26.97	26.97	26.99		
80	1	1	16-QAM	23.69	23.87	23.98	23.85	23.86	23.94	26.78	26.88	26.97	29.77	0.9484
80	1	1	64-QAM	22.77	23.12	23.04	22.87	23.04	22.89	25.83	26.09	25.98		
80	1	1	256-QAM	20.35	20.45	20.44	20.41	20.35	20.26	23.39	23.41	23.36		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	23.65	23.77	23.89	23.79	23.78	23.86	26.73	26.79	26.89	29.80	0.9550
90	1	243		23.92	23.99	23.95	23.99	23.95	23.84	26.97	26.98	26.91		
90	120	60		23.95	23.99	23.99	23.88	23.99	23.96	26.93	27.00	26.99		
90	1	0		19.85	19.87	20.05	19.88	19.87	19.92	22.88	22.88	23.00		
90	1	244		20.24	20.19	20.09	20.08	20.12	20.04	23.17	23.17	23.08		
90	243	0		23.95	24.00	24.00	23.89	23.97	23.94	26.93	27.00	26.98		
90	1	1	QPSK	23.62	23.75	23.82	23.72	23.78	23.81	26.68	26.78	26.83	29.80	0.9550
90	1	243		23.95	24.05	23.90	23.92	23.91	23.76	26.95	26.99	26.84		
90	120	60		23.94	23.99	23.94	23.87	23.98	23.97	26.92	27.00	26.97		
90	1	0		19.30	19.35	19.48	19.38	19.34	19.41	22.35	22.36	22.46		
90	1	244		19.74	19.66	19.50	19.58	19.53	19.44	22.67	22.61	22.48		
90	243	0		23.99	24.01	23.99	23.88	23.96	23.99	26.95	27.00	27.00		
90	1	1	16-QAM	23.79	23.85	23.88	23.94	23.86	23.93	26.88	26.87	26.92	29.72	0.9376
90	1	1	64-QAM	22.72	22.83	23.14	22.81	22.85	23.11	25.78	25.85	26.14		
90	1	1	256-QAM	20.16	20.04	20.38	20.19	20.20	20.32	23.19	23.13	23.36		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.8 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 6			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	-	23.67	-	-	23.85	-	-	26.77	-	29.79	0.9528
100	1	271		-	23.91	-	-	23.90	-	-	26.92	-		
100	135	67		-	23.95	-	-	24.00	-	-	26.99	-		
100	1	0		-	19.74	-	-	19.91	-	-	22.84	-		
100	1	272		-	20.10	-	-	20.06	-	-	23.09	-		
100	270	0		-	23.97	-	-	23.97	-	-	26.98	-		
100	1	1	QPSK	-	23.64	-	-	23.82	-	-	26.74	-	29.80	0.9550
100	1	271		-	23.99	-	-	23.88	-	-	26.95	-		
100	135	67		-	23.99	-	-	23.99	-	-	27.00	-		
100	1	0		-	19.28	-	-	19.40	-	-	22.35	-		
100	1	272		-	19.61	-	-	19.53	-	-	22.58	-		
100	270	0		-	23.99	-	-	23.94	-	-	26.98	-		
100	1	1	16-QAM	-	23.83	-	-	23.98	-	-	26.92	-	29.72	0.9376
100	1	1	64-QAM	-	22.88	-	-	23.02	-	-	25.96	-		
100	1	1	256-QAM	-	20.24	-	-	20.31	-	-	23.29	-		
Limit	EIRP < 1W			Result									Pass	

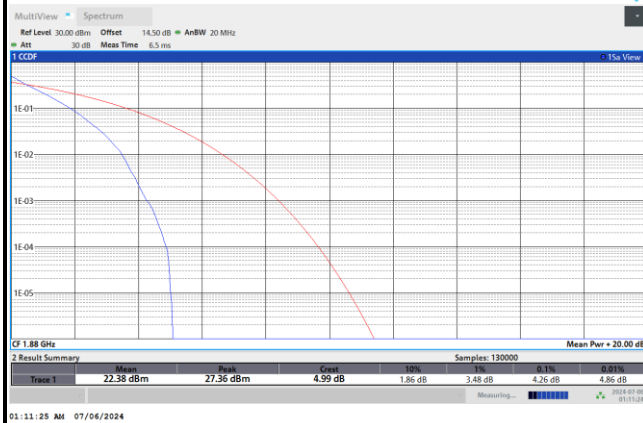
**FR1 n2****Peak-to-Average Ratio**

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	4.26	5.20	6.16	6.22	PASS
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.54				PASS

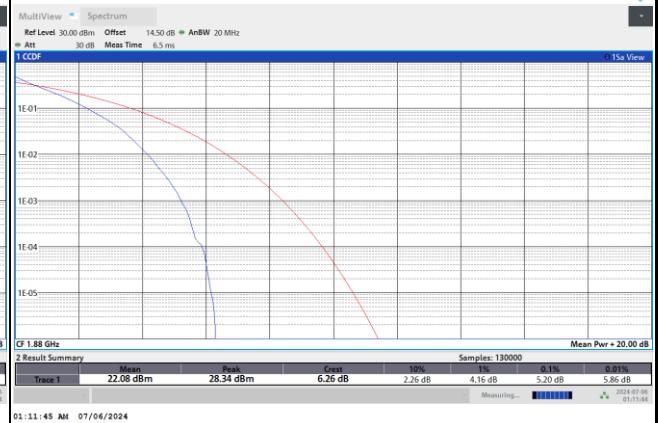


FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

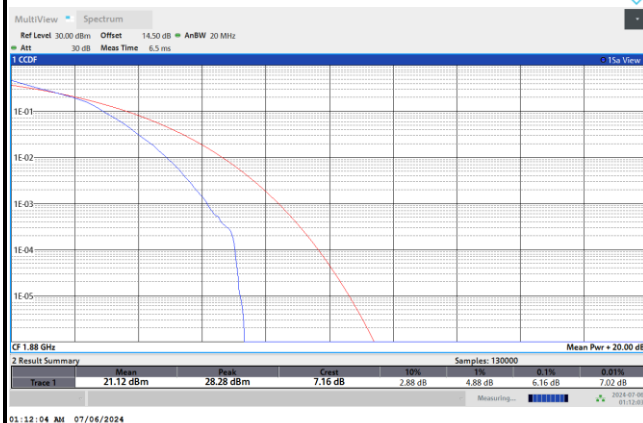
PI/2 BPSK



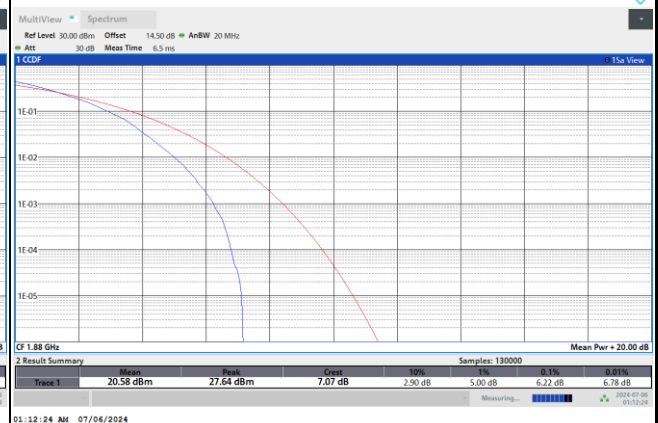
QPSK



16QAM



64QAM



256QAM



**26dB Bandwidth**

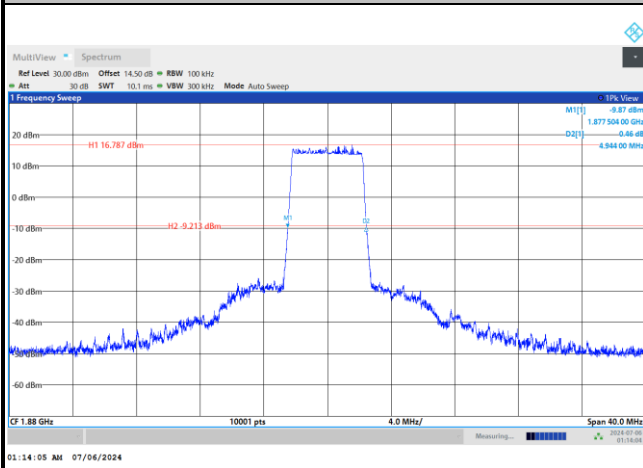
Mode	FR1 n2 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.94		9.81		14.44		19.45	

Mode	FR1 n2 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.96	4.98	10.02	10.09	15.04	15.04	20.49	20.60
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.99	4.96	10.07	10.06	15.07	15.06	22.23	20.54



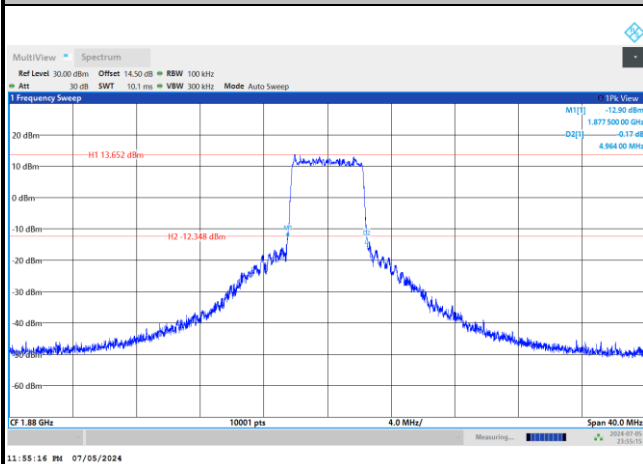
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

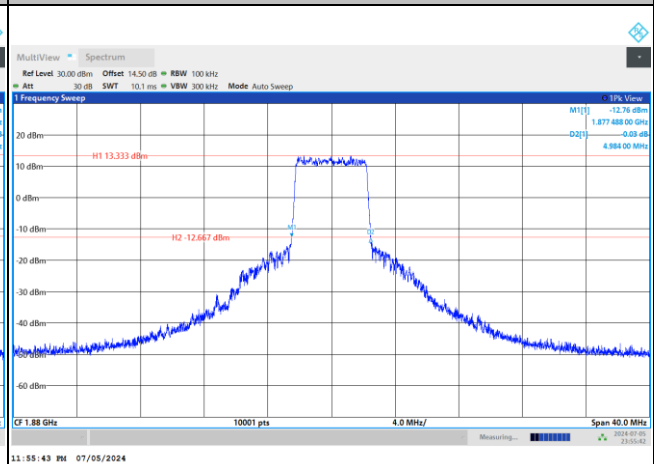


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

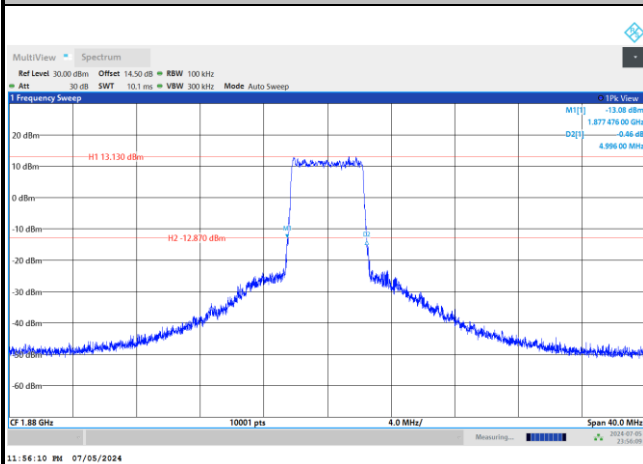
QPSK



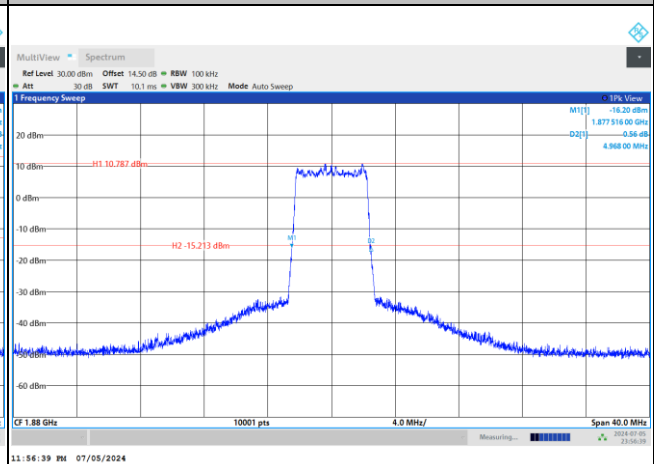
16QAM



64QAM



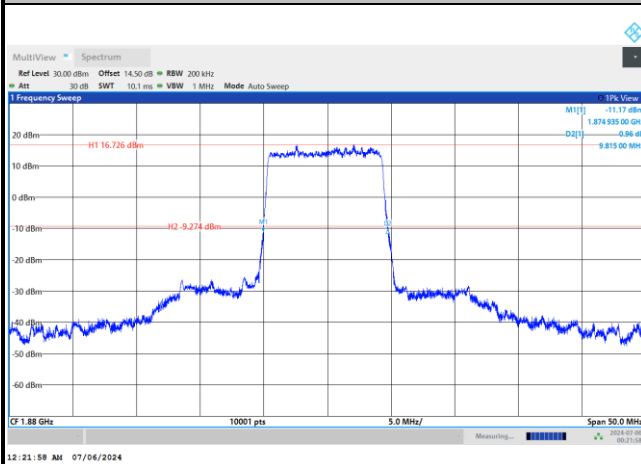
256QAM





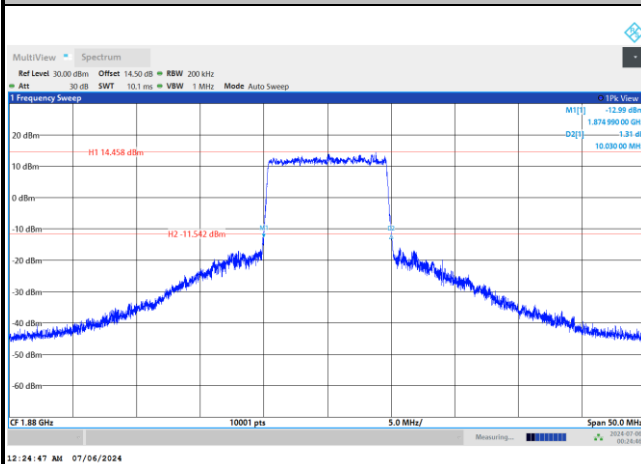
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

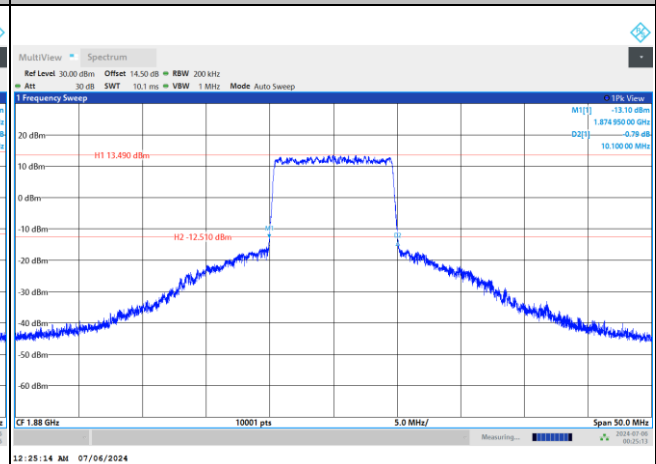


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

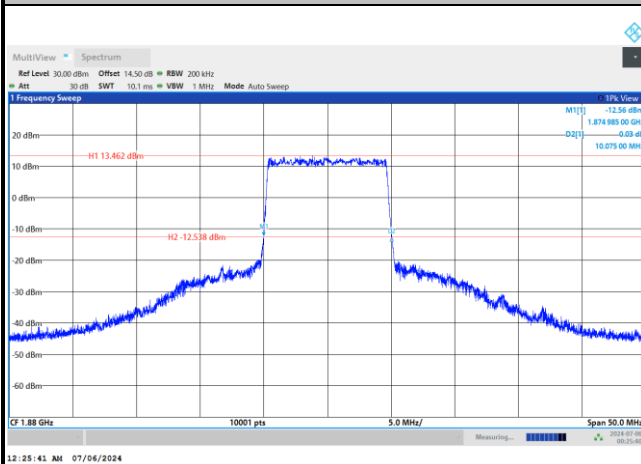
QPSK



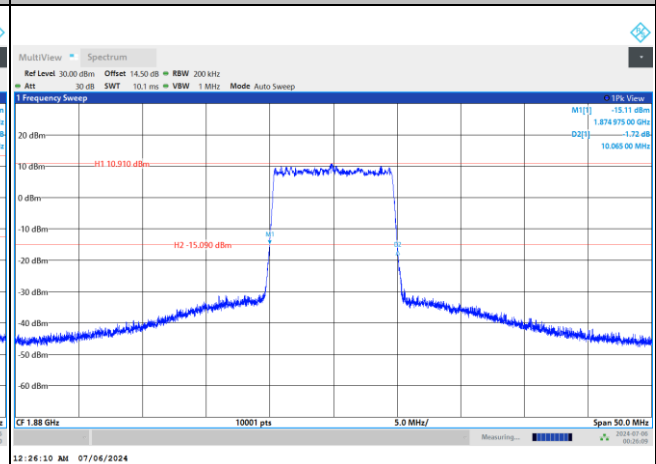
16QAM



64QAM



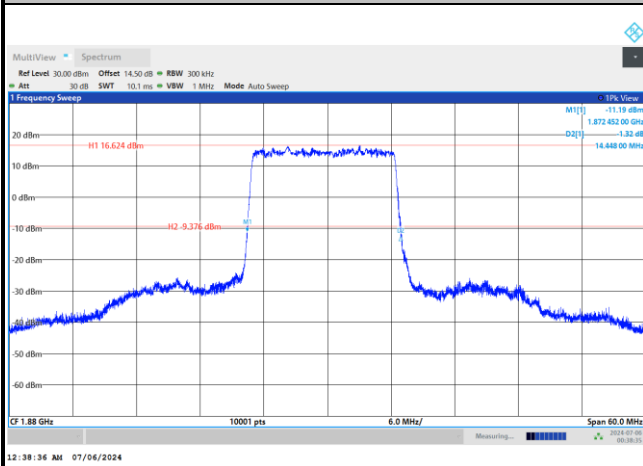
256QAM





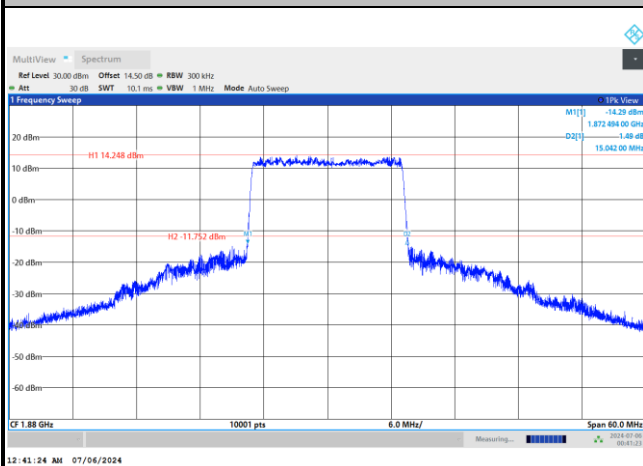
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

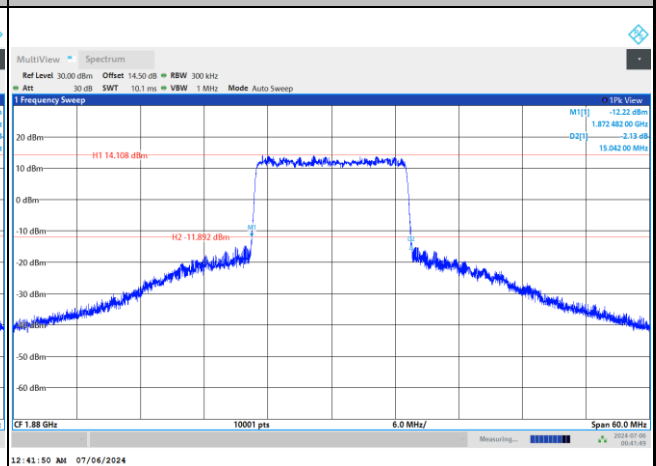


FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB

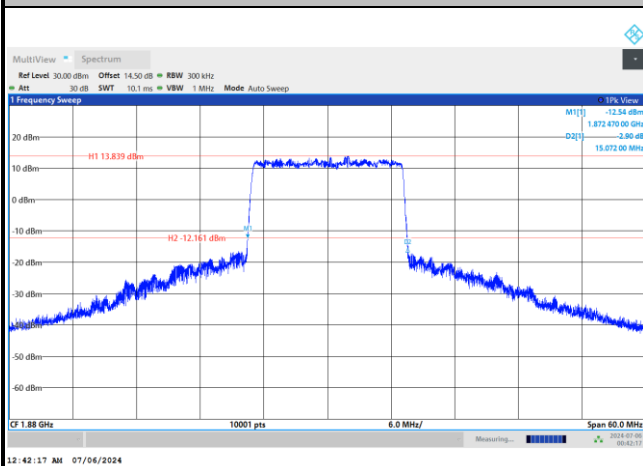
QPSK



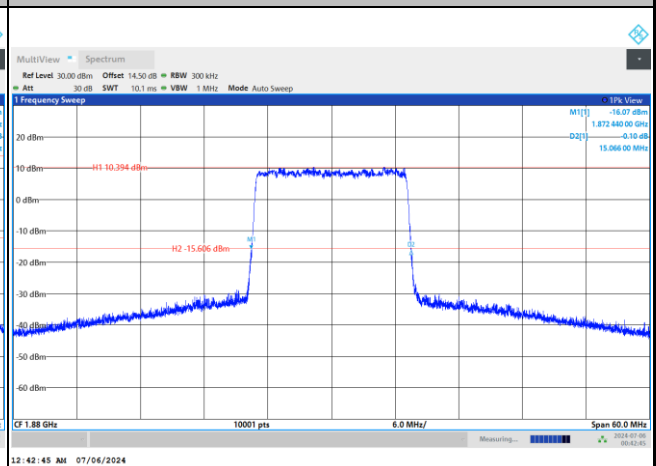
16QAM



64QAM



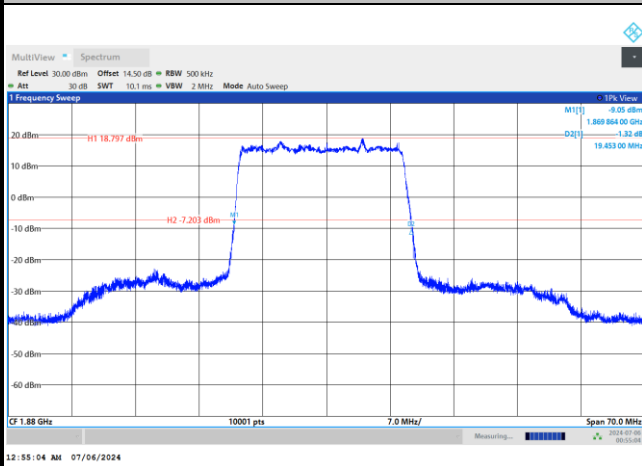
256QAM





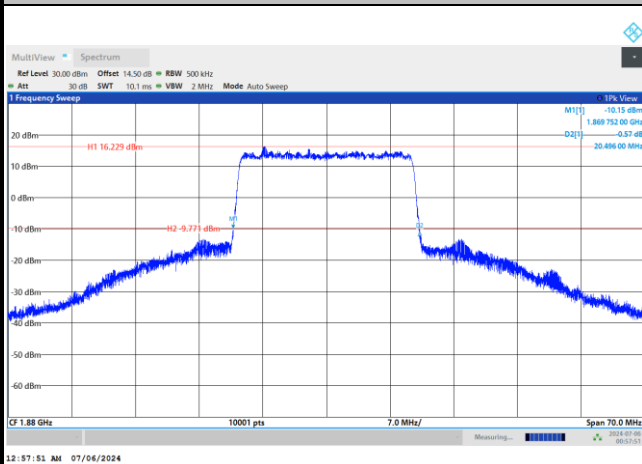
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

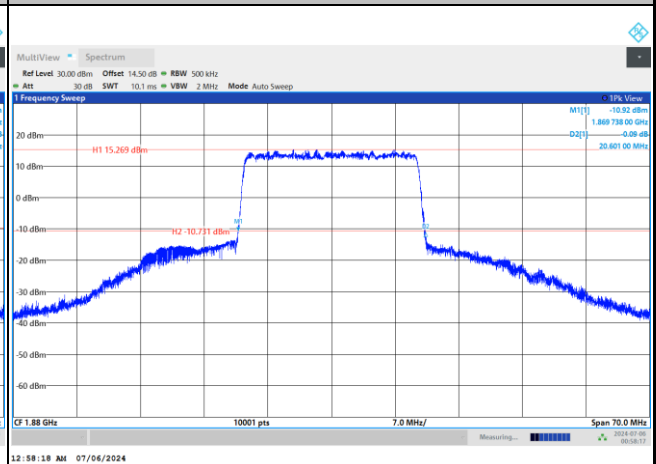


FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

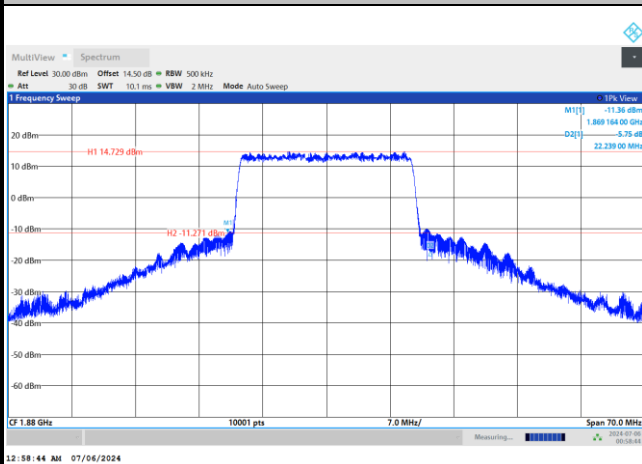
QPSK



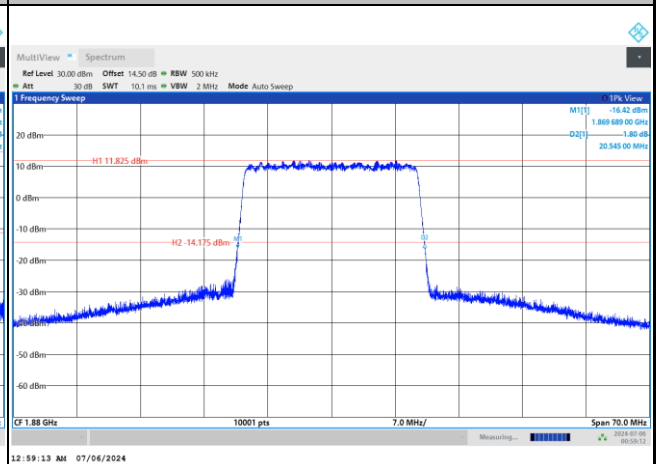
16QAM



64QAM



256QAM



**Occupied Bandwidth**

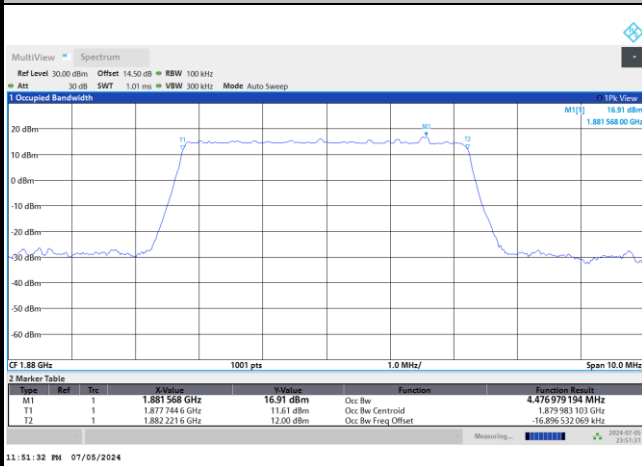
Mode	FR1 n2 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.47		8.96		13.44		18.02	

Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.50	9.33	9.33	14.15	14.14	19.05	19.12
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.50	4.49	9.36	9.33	14.15	14.14	19.05	19.02



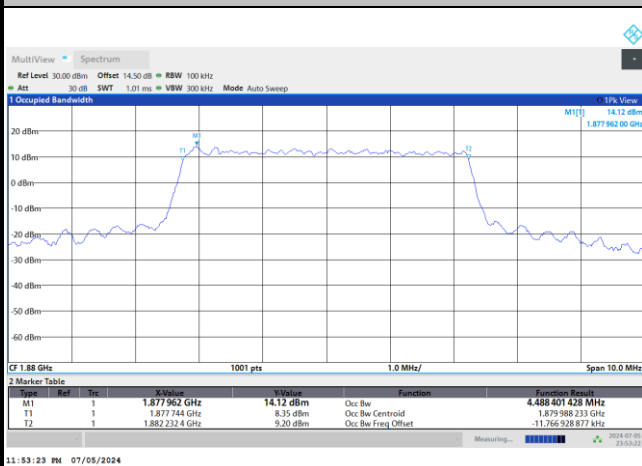
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

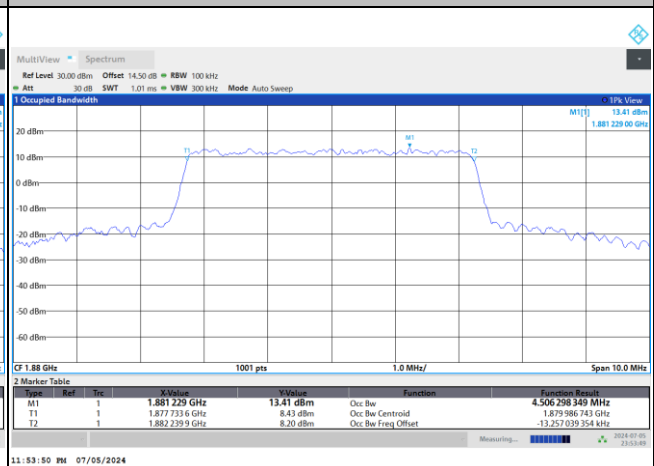


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

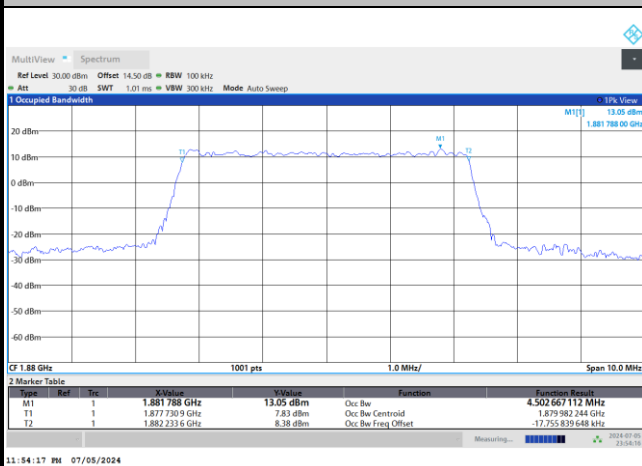
QPSK



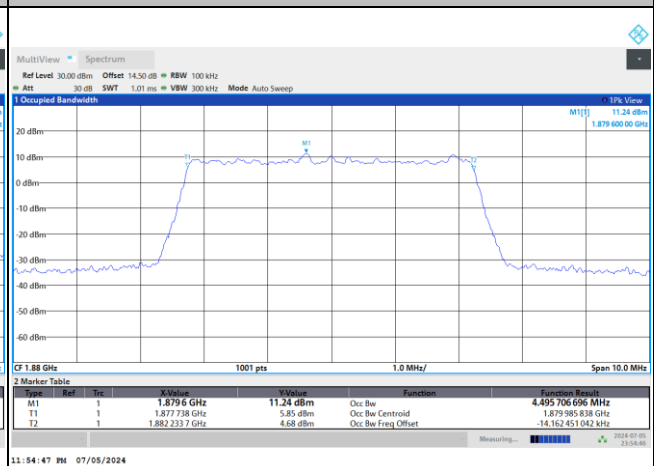
16QAM



64QAM



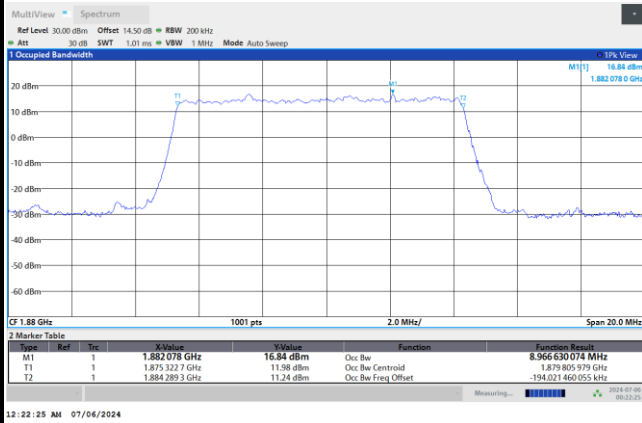
256QAM





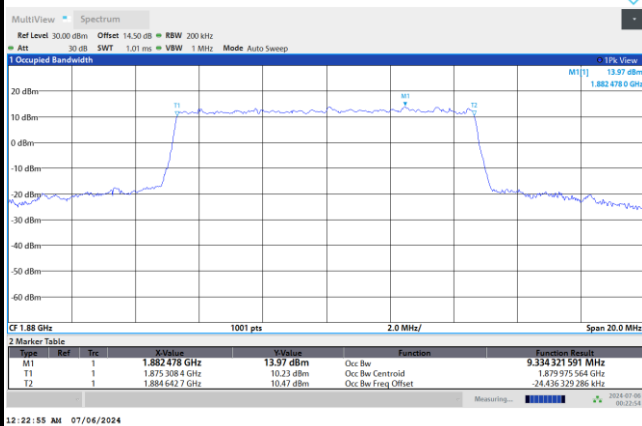
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

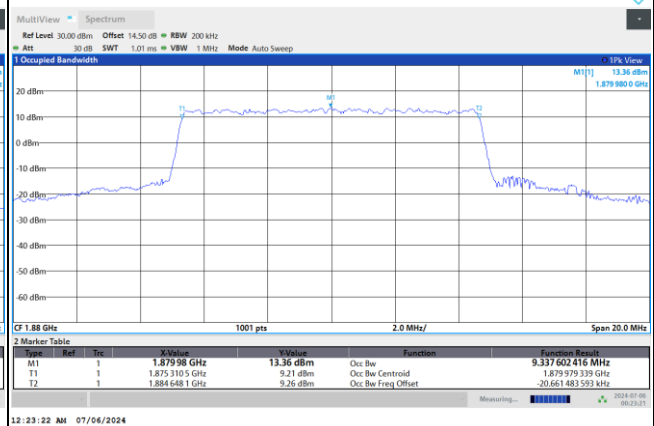


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

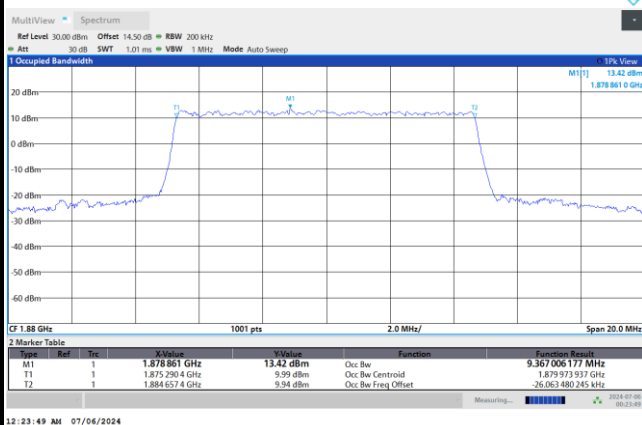
QPSK



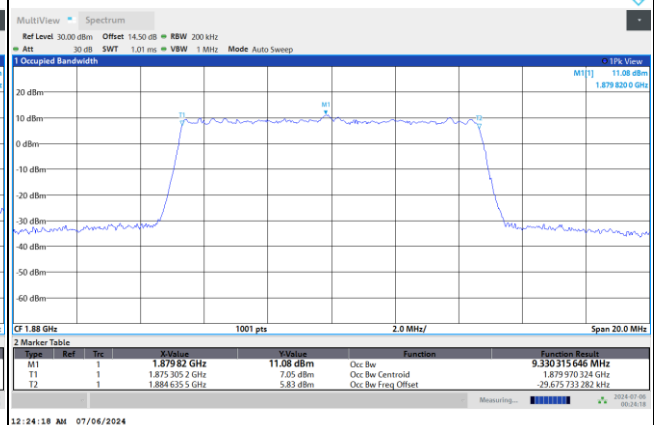
16QAM



64QAM

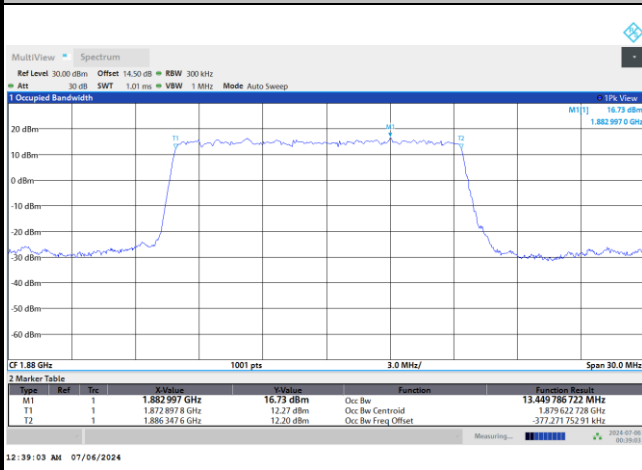


256QAM



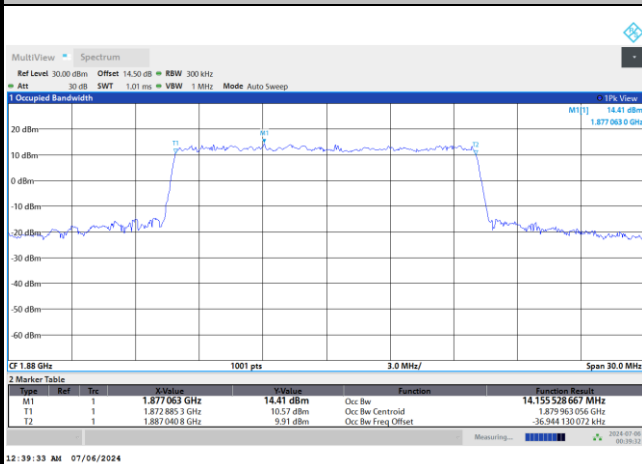
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

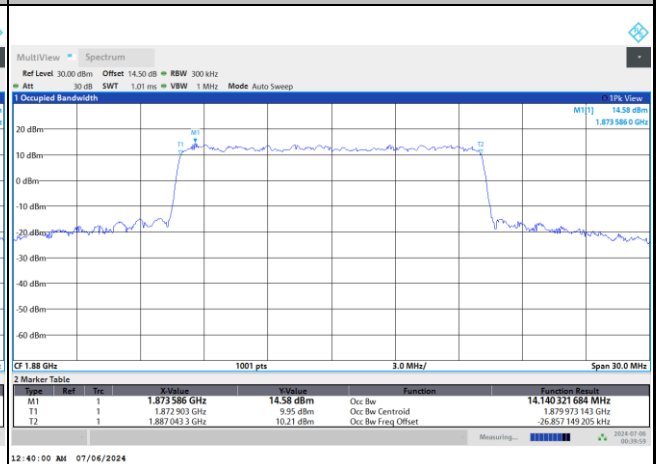


FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB

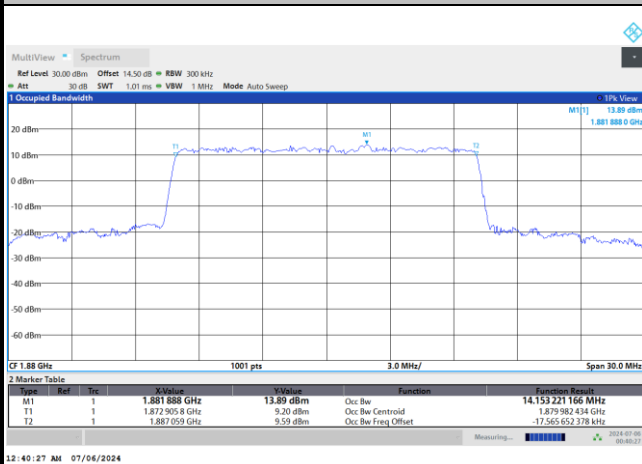
QPSK



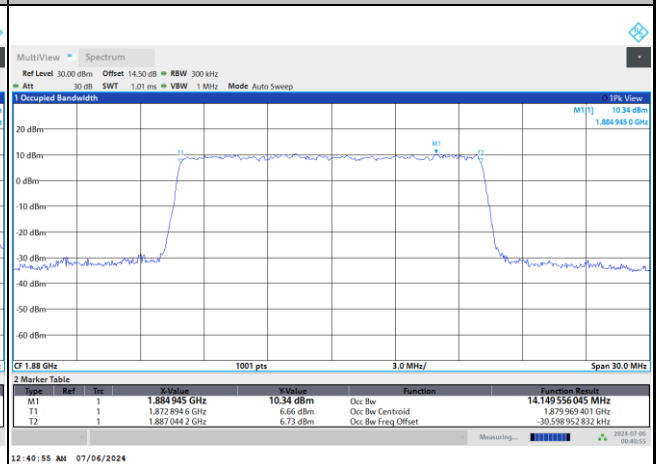
16QAM



64QAM

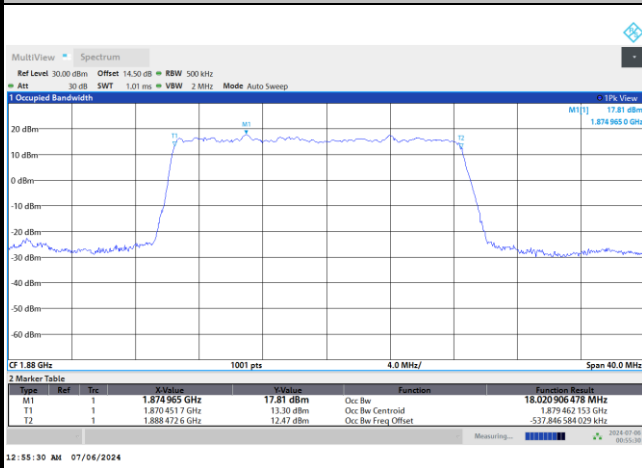


256QAM



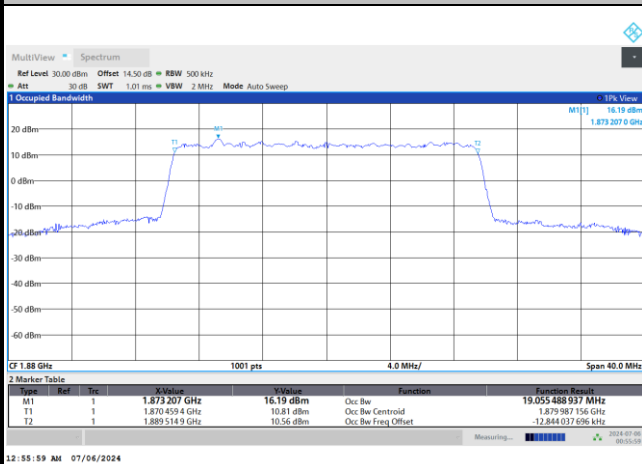
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

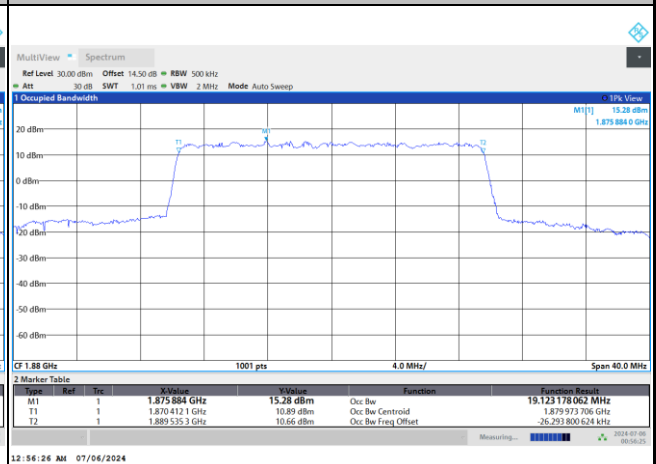


FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

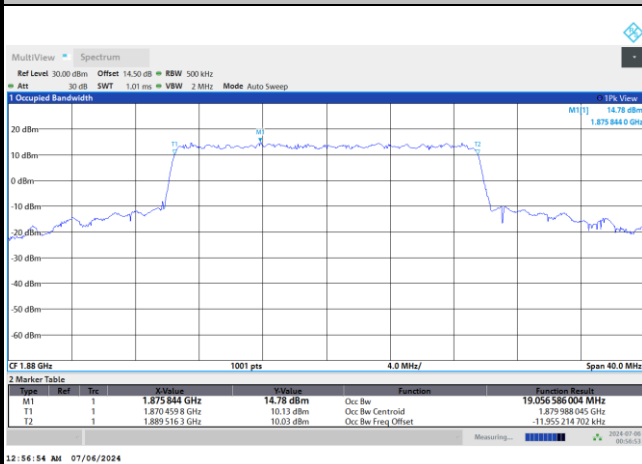
QPSK



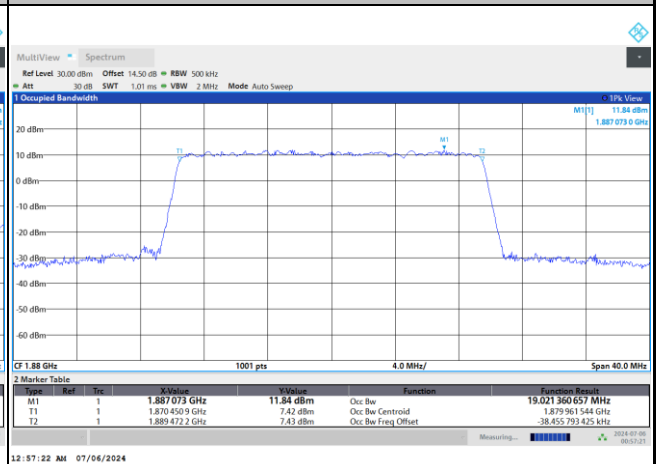
16QAM



64QAM



256QAM



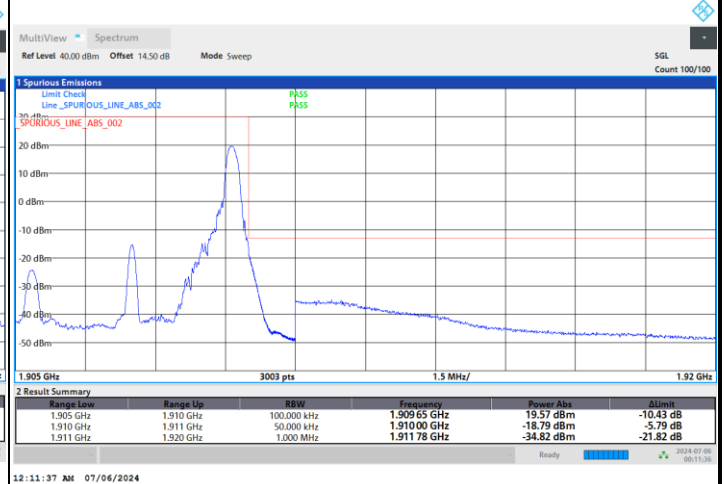
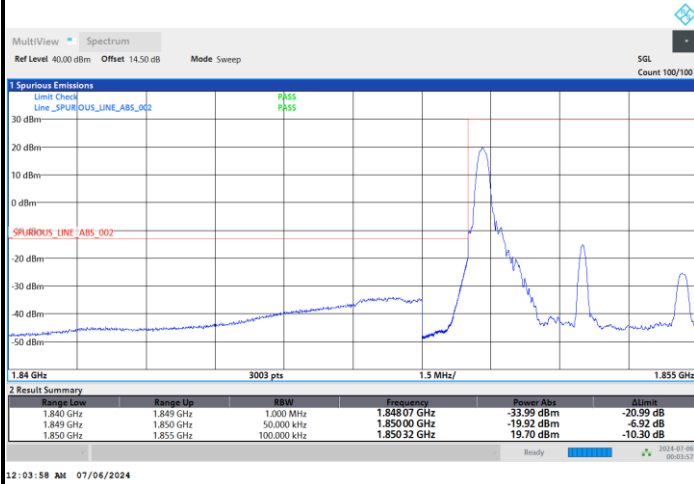


Conducted Band Edge

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

