



FCC RADIO TEST REPORT

FCC ID : UZ7MC945A
Equipment : Mobile Computer
Brand Name : ZEBRA
Model Name : MC945A
Applicant : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Manufacturer : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27,
Part 90(R), Part 90(S)

The product was received on Nov. 08, 2023 and testing was performed from Dec. 06, 2023 to Jan. 30, 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 given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. 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
FG3N2802C	01	Initial issue of report	Feb. 02, 2024



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (n5) (n26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (n12) (n13) (n71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n7) (n38) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
	§27.50 (a)(3)	Effective Isotropic Radiated Power (n30)		
	§90.542 (a)(7)	Effective Radiated Power (n14)		
	§27.50 (j)(3) §27.50 (k)(3)	Effective Isotropic Radiated Power (n77) (n78)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio		Pass
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n38) (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (n30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (n14)		
	§2.1051 §27.53 (l)(2) §27.53 (n)(2)	Conducted Band Edge Measurement (n77) (n78)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.6	§2.1051 §90.210 (n)	Emission Mask (n14)	Pass	-
	§2.1051 §90.691	Emission masks (n26)		
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)§90.691	Conducted Spurious Emission (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n38) (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (n30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (n14)		
	§2.1051 §27.53 (l)(2) §27.53 (n)(2)	Conducted Spurious Emission (n77) (n78)		
3.8	§2.1055 §22.355 §24.235 §27.54§90.691	Frequency Stability Temperature & Voltage	Pass	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	6.63 dB under the limit at 7551.00 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (n30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (n14)		
	§2.1051 §27.53 (l)(2) §27.53 (n)(2)	Radiated Spurious Emission (n77) (n78)		

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Keven Cheng

Report Producer: Michelle Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	ZEBRA
Model Name	MC945A
FCC ID	UZ7MC945A
Sample 1	SE4770 + with Camera
Sample 2	SE5800 + with Camera
Sample 3	SE4770 + without Camera
Sample 4	SE5800 + without Camera
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	DV2
SW Version	13-10-31.00-TN-U00-PRD-NEM-04
MFD	10NOV23
EUT Stage	Identical Prototype

Remark: The EUT's information above is declared by manufacturer.

Specification of Accessories				
Adapter USB Wall Charger	Brand Name	Zebra	Part Number	PWR-WUA5V12W0US
Battery 1 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000370
Battery 2 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000370B
Earphone USB-C Audio Headset	Brand Name	Zebra	Part Number	HDST-USBC-PTT1-01
USB Cable (Type C to Type A)	Brand Name	Zebra	Part Number	CBL-TC2X-USBC-01
Holster	Brand Name	Zebra	Part Number	SG-MC9X-SHLSTG-01
USB Cable (CUP)	Brand Name	Zebra	Part Number	CBL-MC93-USBCHG-01



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	5G NR n2: 1852.5 MHz ~ 1907.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n7: 2502.5 MHz ~ 2567.5 MHz 5G NR n12: 701.5 MHz ~ 713.5 MHz 5G NR n13: 779.5 MHz ~ 784.5 MHz 5G NR n14: 790.5 MHz ~ 795.5 MHz 5G NR n25: 1852.5 MHz ~ 1912.5 MHz 5G NR n26: 826.5 MHz ~ 846.5 MHz (Part22H) 5G NR n26: 816.5 MHz ~ 821.5 MHz (Part90S) 5G NR n30: 2307.5 MHz ~ 2312.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz 5G NR n77: 3710.01 MHz ~ 3969.99 MHz (Part27O) 5G NR n77: 3460.02 MHz ~ 3540.00 MHz (Part27Q) 5G NR n78: 3710.01 MHz ~ 3789.99 MHz (Part27O) 5G NR n78: 3460.02 MHz ~ 3540.00 MHz (Part27Q)
Rx Frequency	5G NR n2: 1932.5 MHz ~ 1987.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n7: 2622.5 MHz ~ 2687.5 MHz 5G NR n12: 731.5 MHz ~ 743.5 MHz 5G NR n13: 748.5 MHz ~ 753.5 MHz 5G NR n14: 760.5 MHz ~ 765.5 MHz 5G NR n25: 1932.5 MHz ~ 1992.5 MHz 5G NR n26: 861.5 MHz ~ 891.5 MHz (Part22H) 5G NR n26: 861.5 MHz ~ 866.5 MHz (Part90S) 5G NR n30: 2352.5 MHz ~ 2357.5 MHz 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz 5G NR n77: 3710.01 MHz ~ 3969.99 MHz (Part27O) 5G NR n77: 3460.02 MHz ~ 3540.00 MHz (Part27Q) 5G NR n78: 3710.01 MHz ~ 3789.99 MHz (Part27O) 5G NR n78: 3460.02 MHz ~ 3540.00 MHz (Part27Q)



Product Specification is subject to this standard	
Bandwidth	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n7: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n12: 5MHz / 10MHz / 15MHz 5G NR n13: 5MHz / 10MHz 5G NR n14: 5MHz / 10MHz 5G NR n25: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n26: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n30: 5MHz / 10MHz 5G NR n38: 20MHz / 30MHz / 40MHz 5G NR n41: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz / 30MHz / 40MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n77: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n78: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Maximum Output Power to Antenna	<SISO Mode> 5G NR n2 : 24.75 dBm 5G NR n5 : 24.99 dBm 5G NR n7 : 24.81 dBm 5G NR n12 : 24.54 dBm 5G NR n13 : 24.54 dBm 5G NR n14 : 24.65 dBm 5G NR n25 : 25.00 dBm 5G NR n26 : 24.48 dBm (Part22H) 5G NR n26 : 24.49 dBm (Part90S) 5G NR n30 : 23.41 dBm 5G NR n38 : 24.73 dBm 5G NR n41 : 26.99 dBm for HPUE 5G NR n66 : 24.99 dBm 5G NR n71 : 24.56 dBm 5G NR n77 : 26.99 dBm for HPUE (Part27O) 5G NR n77 : 26.66 dBm for HPUE (Part27Q) 5G NR n78 : 26.99 dBm for HPUE (Part27O) 5G NR n78 : 26.65 dBm for HPUE (Part27Q) <MIMO Mode> 5G NR n77 : 25.55 dBm (Part27O) 5G NR n77 : 25.24 dBm (Part27Q) 5G NR n78 : 25.54 dBm (Part27O) 5G NR n78 : 25.20 dBm (Part27Q)



Product Specification is subject to this standard	
Antenna Type / Antenna Gain	<p><Ant. 1>: PIFA Antenna 5G NR n2: -1.37 dBi 5G NR n5: -1.57 dBi 5G NR n12: -8.34 dBi 5G NR n13: -0.02 dBi 5G NR n14 : -0.02 dBi 5G NR n25: -1.37 dBi 5G NR n26: -0.99 dBi 5G NR n66: 0.24 dBi 5G NR n71: -8.32 dBi</p> <p><Ant. 2>: PIFA Antenna 5G NR n41: 2.01 dBi</p> <p><Ant. 3>: Coupling Antenna 5G NR n41: 1.19 dBi 5G NR n77: 0.06 dBi 5G NR n78: -0.75 dBi</p> <p><Ant. 4>: Coupling Antenna 5G NR n41: 1.96 dBi 5G NR n77: 0.92 dBi 5G NR n78: 0.92 dBi</p> <p><Ant. 5>: Coupling Antenna 5G NR n7: -0.07 dBi 5G NR n30 : 0.56 dBi 5G NR n38: 0.65 dBi 5G NR n41: 1.22 dBi</p> <p><Ant. 8>: PIFA Antenna 5G NR n77: 1.31 dBi 5G NR n78: 1.08 dBi</p> <p><Ant. 9>: PIFA Antenna 5G NR n77: 0.90 dBi 5G NR n78: 0.90 dBi</p>
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM



Support band and evaluated information	
Supported band	n2, n5, n7, n12, n13, n14, n17, n25 ,n26, n30, n38, n41, n66, n71 ,n77, n78
Evaluated and Tested band	n5, n7, n12, n13, n14, n17, n25 ,n26, n30, n38, n41, n66, n71 ,n77
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: <input checked="" type="checkbox"/> n25 cover n2 (Part 24) <input checked="" type="checkbox"/> n12 cover n17 (Part 27) <input checked="" type="checkbox"/> n77 cover n78 (Part 27)

FDD/TDD band Power Class		
	PC3	PC2
N2	V	
N5	V	
N7	V	
N12	V	
N13	V	
N14	V	
N17	V	
N25	V	
N26	V	
N30	V	
N38	V	
N41	V	V
N66	V	
N71	V	
N77	V	V
N78	V	V

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.



1.4 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	Luffy Lin
Temperature (°C)	23~24
Relative Humidity (%)	50~55

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. 03CH12-HY (TAF Code: 3786)
Test Engineer	Bill Chang, Tim Lee and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
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

1.5 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
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)
- ♦ 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.

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

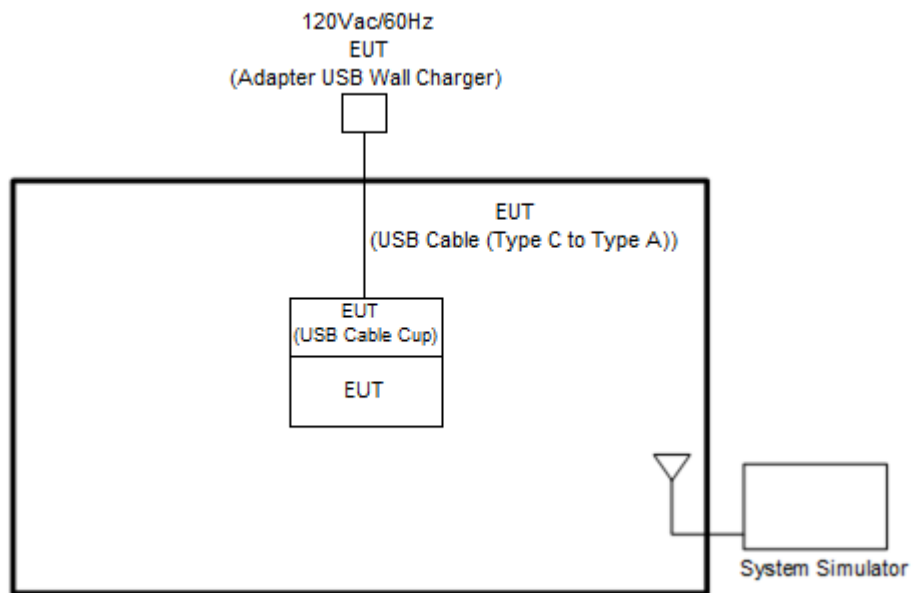
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E	20 MHz or less	Outer_Full	M
Bandwidth	A, F, G, H, I	All	Outer_Full	M
CBE, Mask (Part 90)	A, B, C, D, E, F	All	Outer_1RB Outer_Full	L, H
CSE	B	Minimum	Inner_1RB	L, M, H
Frequency Stability	A	20 MHz or less	Outer_Full	M
RSE	A	20 MHz 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. All the radiated test cases were performed with Battery 1 Standard Battery (7000mAh) and Sample 1.
4. One representative bandwidth is selected to perform PAR and frequency stability.
5. Device 5G NR support SA &NSA Mode, are verified and the worst case is SA mode. Therefore, the report only performed SA test results.
6. For 5G NR N41 support Antenna 5 (Main Ant.) and Antenna 2&3&4 (SRS Ant.). Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 5. Therefore, the report only performed Antenna 5 test results.
7. For 5G NR N77/78 support SISO Mode Antenna 8 (Main Ant.) and Antenna 3&4&9 (SRS Ant.), MIMO Mode Antenna 8+9 (Main Ant.) and Antenna 8+4&9+3 (SRS Ant.);Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 8& Antenna 8+9 Therefore, the report only performed Antenna 8&9 test results.

2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT without Adapter>





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	MT8000A	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

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



2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5



5G NR n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5

5G NR n13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	156400	-
	Frequency	-	782	-
5	Channel	155900	156400	156900
	Frequency	779.5	782	784.5

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



5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	374000	376500	379000
	Frequency	1870	1882.5	1895
30	Channel	373000	376500	380000
	Frequency	1865	1882.5	1900
25	Channel	372500	376500	380500
	Frequency	1862.5	1882.5	1902.5
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5

Part22H 5G NR n26 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 n26 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

Part 90S 5G NR n26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	163800	-
	Frequency	-	819	-
5	Channel	163300	163800	164300
	Frequency	816.5	819	821.5

Part 90S 5G NR n26 Straddle Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	-	164800	-
	Frequency	-	824	-
15	Channel	-	164800	-
	Frequency	-	824	-
10	Channel	-	164800	-
	Frequency	-	824	-
5	Channel	-	164800	-
	Frequency	-	824	-

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



5G NR n38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	518000	519000	520000
	Frequency	2590	2595	2600
30	Channel	517000	519000	521000
	Frequency	2585	2595	2605
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610
15	Channel	515500	519000	522500
	Frequency	2577.5	2595	2612.5
10	Channel	515000	519000	523000
	Frequency	2575	2595	2615

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99



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
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 n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5



Part27O_5G NR Band n77 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
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



Part270_5G NR n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	650000	-
	Frequency	-	3750	-
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	6750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795



Part27Q_5G NR Band n77 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	647500	656000	664500
	Frequency	3712.5	3840	3967.5
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



Part27Q_5G NR n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

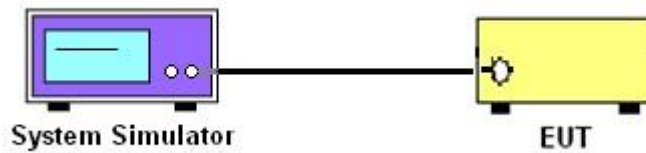
3 Conducted Test Items

3.1 Measuring Instruments

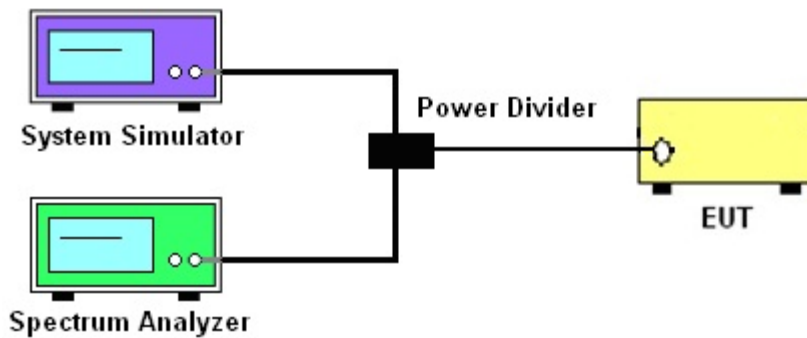
See list of measuring instruments of this test report.

3.1.1 Test Setup

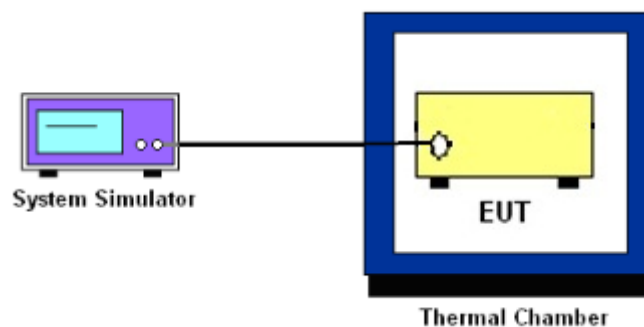
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5, n26 (Part 22H)

The ERP of mobile transmitters must not exceed 100 Watts for 5G NR n26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n12, n13, n14, n71

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25, n7, n38, n41

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77 and n78

The EIRP of mobile transmitters must not exceed 250mW/5MHz for 5G NR n30

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz 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 (h)**

For operations in the 1695–1710 MHz, 1710 – 1755 MHz, 1755-1780 MHz bands, the 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(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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 $P(\text{Watts})$

For 5G NR n7, n38, n41

The other 40 dB, and 55 dB have additionally applied same calculation above.



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For 5G NR n14

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

For 5G NR n26

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.



3.6.2 Test Procedures

For 5G NR n14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The power of the modulated signal was measured on a spectrum analyzer using an RMS and 10 second sweep time in order to maximize the level.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

For 5G NR n26

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. Set RBW and VBW 3 times of RBW to make the measurement with the spectrum analyzer's, and according to KDB 971168 D02 Misc Rev Approve License Devices v02r01 standards, set RBW = 300 Hz to make offsets less than 37.5 kHz from a channel edge , RBW = 100 kHz to make offsets greater than 37.5 kHz, that is allowed.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

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

For 5G NR n30

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

For 5G NR n7, n38, n41

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 $55 + 10 \log (P)$ dB.

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

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GH, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For 5G NR n30

The limit line is derived from $70 + 10\log(P)$ dB below the transmitter power P(Watts)

For 5G NR n7, n38, n41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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.

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

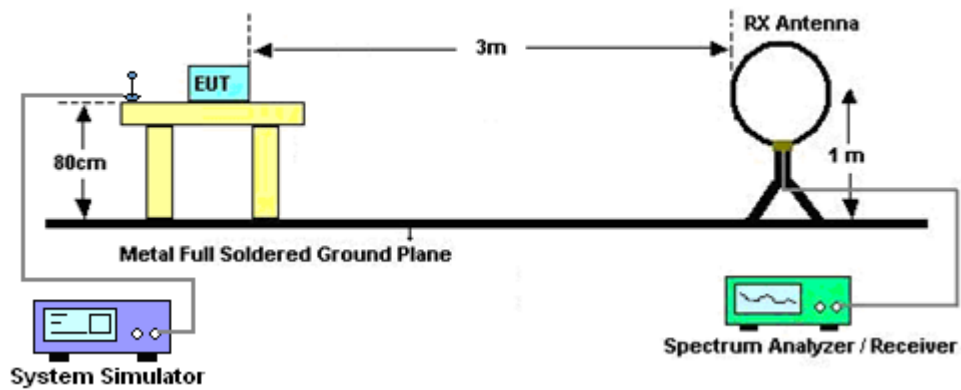
4 Radiated Test Items

4.1 Measuring Instruments

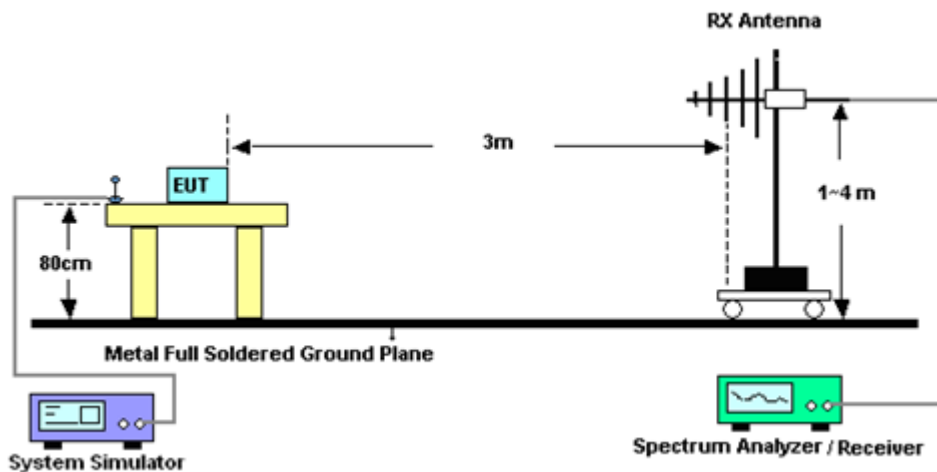
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4.1.1 Test Setup

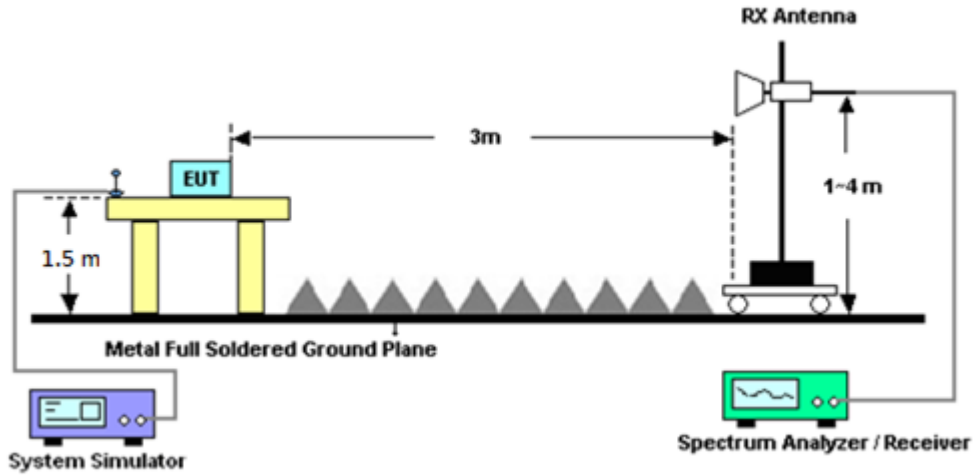
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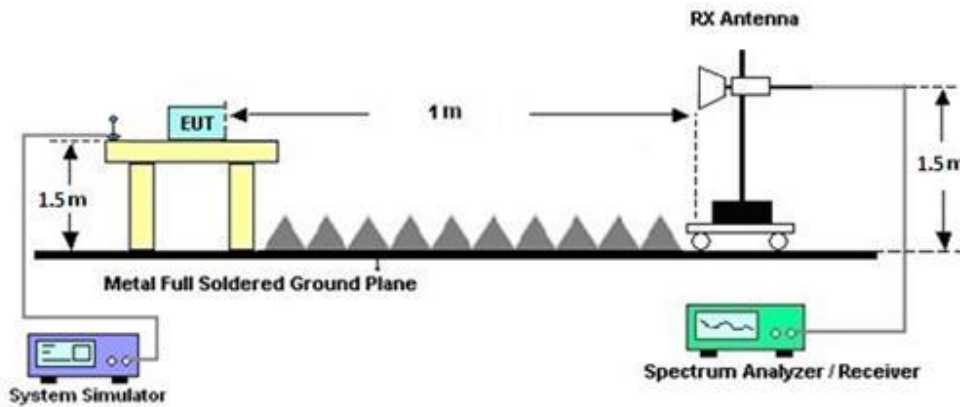
For radiated test from 30MHz to 1GHz



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 / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB

For 5G NR n7, n38, n41

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 $55 + 10 \log (P)$ 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. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
For 5G NR n30
The limit line is derived from $70 + 10\log(P)$ dB below the transmitter power P(Watts)
For 5G NR n7, 38, 41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
DC Power Supply	GW Instek	GPE2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Dec. 06, 2023~Jan. 30, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Sep. 26, 2023	Dec. 06, 2023~Jan. 30, 2024	Sep. 25, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40°C ~90°C	Sep. 04, 2023	Dec. 06, 2023~Jan. 30, 2024	Sep. 03, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116730	LTE	Jul. 10, 2023	Dec. 06, 2023~Jan. 30, 2024	Jul. 09, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jul. 10, 2023	Dec. 06, 2023~Jan. 30, 2024	Jul. 09, 2024	Conducted (TH03-HY)
Hygrometer	Testo	608-H1	34893241	NA	Mar. 28, 2023	Dec. 06, 2023~Jan. 30, 2024	Mar. 27, 2024	Conducted (TH03-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 28, 2023	Dec. 17, 2023~Jan. 24, 2024	Feb. 27, 2024	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Nov. 3, 2023	Dec. 17, 2023~Jan. 24, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 31, 2023	Dec. 17, 2023~Jan. 24, 2024	Jul. 30, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2023	Dec. 17, 2023~Jan. 24, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 21, 2023	Dec. 17, 2023~Jan. 24, 2024	Mar. 20, 2024	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 23, 2023	Dec. 17, 2023~Jan. 24, 2024	May 22, 2024	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 21, 2022	Dec. 17, 2023~Dec. 19, 2023	Dec. 20, 2023	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 20, 2023	Dec. 20, 2023~Jan. 24, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Dec. 17, 2023~Jan. 24, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2023	Dec. 17, 2023~Jan. 08, 2024	Jan. 09, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2024	Jan. 10, 2024~Jan. 24, 2024	Jan. 09, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 11, 2023	Dec. 17, 2023~Jan. 24, 2024	Sep. 10, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN2	3GHz High Pass Filter	Mar. 14, 2023	Dec. 17, 2023~Jan. 24, 2024	Mar. 13, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 14, 2023	Dec. 17, 2023~Jan. 24, 2024	Mar. 13, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Dec. 17, 2023~Jan. 24, 2024	Mar. 06, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 20, 2022	Dec. 17, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 20, 2022	Dec. 17, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 20, 2022	Dec. 17, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Dec. 18, 2023~Jan. 24, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Dec. 18, 2023~Jan. 24, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Dec. 18, 2023~Jan. 24, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Dec. 17, 2023~Jan. 24, 2024	Oct. 18, 2024	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Dec. 17, 2023~Jan. 24, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Dec. 17, 2023~Jan. 24, 2024	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Dec. 17, 2023~Jan. 24, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Dec. 17, 2023~Jan. 24, 2024	N/A	Radiation (03CH12-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.07 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.63 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.14 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<SISO Mode>

NR n2 Maximum Average Power [dBm] (GT - LC = -1.37 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.41	24.44	24.71	23.34	0.2158		
5	1	23		24.19	24.32	24.50				
5	12	6		24.36	24.44	24.69				
5	1	0		23.87	23.88	24.18				
5	1	24		23.78	23.79	24.03				
5	25	0		23.93	23.92	24.18				
5	1	1	QPSK	24.46	24.48	24.66			22.19	0.1656
5	1	23		24.50	24.42	24.55				
5	12	6		24.40	24.38	24.59				
5	1	0		23.33	23.33	23.71				
5	1	24		23.32	23.36	23.58				
5	25	0		23.47	23.50	23.57				
5	1	1	16-QAM	23.42	23.27	23.56	22.19	0.1656		
5	1	1	64-QAM	22.12	22.07	22.35				
5	1	1	256-QAM	19.34	19.42	19.64				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = -1.37 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.45	24.41	24.75	23.38	0.2178		
10	1	50		24.32	24.38	24.66				
10	25	12		24.47	24.40	24.70				
10	1	0		23.98	23.93	24.14				
10	1	51		23.85	23.86	24.12				
10	50	0		24.01	24.02	24.21				
10	1	1	QPSK	24.51	24.44	24.68			22.29	0.1694
10	1	50		24.31	24.36	24.68				
10	25	12		24.53	24.41	24.69				
10	1	0		23.44	23.60	23.72				
10	1	51		23.30	23.37	23.65				
10	50	0		23.45	23.53	23.67				
10	1	1	16-QAM	23.44	23.35	23.66	22.29	0.1694		
10	1	1	64-QAM	22.30	22.32	22.43				
10	1	1	256-QAM	19.56	19.37	19.75				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.54	24.40	24.53	23.27	0.2123
15	1	77		24.38	24.38	24.62		
15	36	18		24.39	24.42	24.59		
15	1	0		23.92	23.81	24.04		
15	1	78		23.82	23.85	24.06		
15	75	0		23.96	23.89	24.10		
15	1	1	QPSK	24.50	24.40	24.53		
15	1	77		24.45	24.39	24.63		
15	36	18		24.48	24.49	24.64		
15	1	0		23.52	23.47	23.52		
15	1	78		23.44	23.35	23.54		
15	75	0		23.51	23.44	23.58		
15	1	1	16-QAM	23.40	23.34	23.55	22.18	0.1652
15	1	1	64-QAM	22.15	22.11	22.27		
15	1	1	256-QAM	19.43	19.52	19.61		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.46	24.24	24.53	23.29	0.2133
20	1	104		24.33	24.36	24.56		
20	50	25		24.48	24.43	24.65		
20	1	0		23.81	23.78	24.01		
20	1	105		23.84	23.90	24.10		
20	100	0		23.99	24.01	24.09		
20	1	1	QPSK	24.37	24.33	24.55		
20	1	104		24.36	24.53	24.66		
20	50	25		24.39	24.48	24.64		
20	1	0		23.37	23.32	23.56		
20	1	105		23.32	23.43	23.62		
20	100	0		23.53	23.45	23.63		
20	1	1	16-QAM	23.32	23.25	23.53	22.16	0.1644
20	1	1	64-QAM	22.06	22.01	22.18		
20	1	1	256-QAM	19.45	19.39	19.54		
Limit	EIRP < 2W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = -1.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.90	24.90	24.79	21.27	0.134
5	1	23		24.99	24.90	24.73		
5	12	6		24.82	24.87	24.70		
5	1	0		24.45	24.39	24.34		
5	1	24		24.38	24.30	24.25		
5	25	0		24.46	24.46	24.28		
5	1	1	QPSK	24.93	24.92	24.89		
5	1	23		24.95	24.96	24.79		
5	12	6		24.82	24.93	24.70		
5	1	0		23.93	23.97	23.82		
5	1	24		23.93	23.93	23.80		
5	25	0		23.90	23.98	23.73		
5	1	1	16-QAM	23.79	23.89	23.64	20.17	0.104
5	1	1	64-QAM	22.53	22.75	22.55		
5	1	1	256-QAM	19.89	19.91	19.81		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -1.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.88	24.90	24.76	21.25	0.1334
10	1	50		24.91	24.94	24.53		
10	25	12		24.97	24.92	24.85		
10	1	0		24.42	24.29	24.34		
10	1	51		24.50	24.25	24.13		
10	50	0		24.49	24.50	24.35		
10	1	1	QPSK	24.92	24.95	24.84		
10	1	50		24.94	24.93	24.63		
10	25	12		24.93	24.96	24.79		
10	1	0		23.97	23.63	24.14		
10	1	51		24.13	23.84	23.72		
10	50	0		23.99	24.00	23.78		
10	1	1	16-QAM	23.72	23.85	23.71	20.13	0.103
10	1	1	64-QAM	22.64	22.89	22.30		
10	1	1	256-QAM	19.94	19.83	19.82		
Limit	ERP < 7W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = -1.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.86	24.83	24.92	21.26	0.1337
15	1	77		24.86	24.78	24.78		
15	36	18		24.94	24.93	24.94		
15	1	0		24.28	24.52	24.39		
15	1	78		24.32	24.19	24.17		
15	75	0		24.50	24.54	24.55		
15	1	1	QPSK	24.98	24.96	24.97		
15	1	77		24.95	24.86	24.78		
15	36	18		24.97	24.96	24.93		
15	1	0		23.89	23.98	24.04		
15	1	78		23.93	23.79	23.77		
15	75	0		24.04	24.10	23.89		
15	1	1	16-QAM	23.80	23.89	23.85	20.17	0.104
15	1	1	64-QAM	22.61	22.75	22.62		
15	1	1	256-QAM	19.94	19.96	20.06		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -1.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.76	24.95	24.91	21.27	0.134
20	1	104		24.63	24.75	24.74		
20	50	25		24.95	24.98	24.93		
20	1	0		24.39	24.27	24.49		
20	1	105		24.23	24.13	24.16		
20	100	0		24.45	24.50	24.50		
20	1	1	QPSK	24.97	24.98	24.99		
20	1	104		24.91	24.99	24.86		
20	50	25		24.92	24.92	24.93		
20	1	0		23.93	23.93	23.95		
20	1	105		23.75	23.74	23.86		
20	100	0		24.02	24.00	24.03		
20	1	1	16-QAM	23.79	23.79	23.92	20.2	0.1047
20	1	1	64-QAM	22.68	22.44	22.73		
20	1	1	256-QAM	19.98	20.03	20.05		
Limit	ERP < 7W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.57	24.43	24.18	24.74	0.2979
5	1	23		24.66	24.38	24.18		
5	12	6		24.62	24.33	24.24		
5	1	0		24.12	23.82	23.67		
5	1	24		24.10	23.82	23.73		
5	25	0		24.12	23.98	23.87		
5	1	1	QPSK	24.81	24.36	24.32		
5	1	23		24.77	24.47	24.31		
5	12	6		24.64	24.40	24.24		
5	1	0		23.66	23.39	23.21		
5	1	24		23.60	23.38	23.31		
5	25	0		23.69	23.43	23.24		
5	1	1	16-QAM	23.47	23.35	23.19	23.4	0.2188
5	1	1	64-QAM	22.31	22.05	21.94		
5	1	1	256-QAM	19.51	19.38	19.13		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.32	24.31	24.03	24.45	0.2786
10	1	50		24.44	24.43	24.14		
10	25	12		24.44	24.40	24.19		
10	1	0		23.91	23.87	23.56		
10	1	51		23.82	23.76	23.68		
10	50	0		23.91	23.91	23.69		
10	1	1	QPSK	24.48	24.43	24.23		
10	1	50		24.52	24.43	24.24		
10	25	12		24.48	24.48	24.21		
10	1	0		23.51	23.44	23.16		
10	1	51		23.47	23.42	23.25		
10	50	0		23.48	23.46	23.23		
10	1	1	16-QAM	23.42	23.37	23.16	23.35	0.2163
10	1	1	64-QAM	22.11	22.02	21.74		
10	1	1	256-QAM	19.33	19.36	19.02		
Limit	EIRP < 2W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.63	24.43	24.34	24.56	0.2858		
15	1	77		24.54	24.31	24.32				
15	36	18		24.62	24.46	24.39				
15	1	0		24.01	23.99	23.84				
15	1	78		23.96	23.87	23.78				
15	75	0		24.08	23.94	23.82				
15	1	1	QPSK	24.61	24.59	24.41			23.45	0.2213
15	1	77		24.62	24.47	24.50				
15	36	18		24.58	24.43	24.48				
15	1	0		23.66	23.56	23.38				
15	1	78		23.65	23.41	23.40				
15	75	0		23.62	23.56	23.41				
15	1	1	16-QAM	23.51	23.52	23.37	23.45	0.2213		
15	1	1	64-QAM	22.30	22.25	22.13				
15	1	1	256-QAM	19.56	19.42	19.29				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.66	24.52	24.35	24.61	0.2891		
20	1	104		24.62	24.43	24.31				
20	50	25		24.68	24.38	24.38				
20	1	0		24.14	23.92	23.73				
20	1	105		24.12	23.83	23.68				
20	100	0		24.10	23.98	23.81				
20	1	1	QPSK	24.65	24.60	24.43			23.49	0.2234
20	1	104		24.56	24.35	24.43				
20	50	25		24.58	24.39	24.33				
20	1	0		23.64	23.59	23.38				
20	1	105		23.63	23.39	23.34				
20	100	0		23.58	23.42	23.30				
20	1	1	16-QAM	23.56	23.50	23.42	23.49	0.2234		
20	1	1	64-QAM	22.22	22.21	22.05				
20	1	1	256-QAM	19.55	19.32	19.25				
Limit	EIRP < 2W			Result			Pass			



NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	24.58	24.46	24.36	24.67	0.2931		
25	1	131		24.55	24.25	24.23				
25	64	32		24.65	24.49	24.33				
25	1	0		24.14	24.01	23.89				
25	1	132		24.15	23.79	23.69				
25	128	0		24.12	23.89	23.84				
25	1	1	QPSK	24.72	24.58	24.44			23.56	0.227
25	1	131		24.74	24.37	24.37				
25	64	32		24.67	24.46	24.33				
25	1	0		23.73	23.51	23.40				
25	1	132		23.71	23.35	23.33				
25	128	0		23.70	23.45	23.32				
25	1	1	16-QAM	23.63	23.55	23.40	23.56	0.227		
25	1	1	64-QAM	22.41	22.20	22.06				
25	1	1	256-QAM	20.23	19.95	19.86				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.53	24.42	24.32	24.51	0.2825		
30	1	158		24.49	24.24	24.09				
30	80	40		24.49	24.38	24.18				
30	1	0		24.00	24.02	23.81				
30	1	159		23.93	23.65	23.66				
30	160	0		24.00	23.89	23.72				
30	1	1	QPSK	24.58	24.54	24.48			23.51	0.2244
30	1	158		24.48	24.25	24.30				
30	80	40		24.58	24.48	24.24				
30	1	0		23.60	23.49	23.42				
30	1	159		23.49	23.35	23.19				
30	160	0		23.55	23.49	23.38				
30	1	1	16-QAM	23.58	23.48	23.37	23.51	0.2244		
30	1	1	64-QAM	22.33	22.24	22.04				
30	1	1	256-QAM	19.63	19.54	19.39				
Limit	EIRP < 2W			Result			Pass			



NR n7 Maximum Average Power [dBm] (GT - LC = -0.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.61	24.60	24.48	24.61	0.2891
40	1	214		24.46	24.25	24.16		
40	108	54		24.68	24.41	24.38		
40	1	0		24.10	24.03	24.04		
40	1	215		24.06	23.69	23.80		
40	216	0		24.11	23.92	23.91		
40	1	1	QPSK	24.62	24.54	24.64	23.47	0.2223
40	1	214		24.50	24.24	24.28		
40	108	54		24.55	24.41	24.41		
40	1	0		23.72	23.58	23.64		
40	1	215		23.38	23.24	23.32		
40	216	0		23.65	23.43	23.35		
40	1	1	16-QAM	23.54	23.51	23.51	23.47	0.2223
40	1	1	64-QAM	22.35	22.38	22.32		
40	1	1	256-QAM	19.69	19.58	19.57		
Limit	EIRP < 2W			Result			Pass	



NR n12 Maximum Average Power [dBm] (GT - LC = -8.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.48	24.38	24.34	13.99	0.0251
5	1	23		24.28	24.32	24.09		
5	12	6		24.36	24.44	24.25		
5	1	0		23.91	23.84	23.71		
5	1	24		23.79	23.75	23.56		
5	25	0		23.98	23.92	23.74		
5	1	1	QPSK	24.47	24.32	24.30		
5	1	23		24.43	24.40	24.40		
5	12	6		24.35	24.36	24.30		
5	1	0		23.43	23.41	23.30		
5	1	24		23.32	23.39	23.26		
5	25	0		23.37	23.38	23.29		
5	1	1	16-QAM	23.33	23.35	23.19	12.86	0.0193
5	1	1	64-QAM	22.06	22.06	21.93		
5	1	1	256-QAM	19.39	19.37	19.32		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -8.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.51	24.49	24.28	14.02	0.0252
10	1	50		24.33	24.33	24.11		
10	25	12		24.34	24.49	24.31		
10	1	0		24.00	23.90	23.74		
10	1	51		23.82	23.77	23.59		
10	50	0		23.91	23.91	23.75		
10	1	1	QPSK	24.44	24.48	24.41		
10	1	50		24.49	24.47	24.22		
10	25	12		24.33	24.40	24.30		
10	1	0		23.42	23.38	23.37		
10	1	51		23.40	23.18	23.23		
10	50	0		23.47	23.42	23.36		
10	1	1	16-QAM	23.32	23.23	23.34	12.85	0.0193
10	1	1	64-QAM	21.67	22.20	22.21		
10	1	1	256-QAM	19.36	19.39	19.30		
Limit	ERP < 3W			Result			Pass	



NR n12 Maximum Average Power [dBm] (GT - LC = -8.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.48	24.51	24.41	14.05	0.0254
15	1	77		24.25	24.31	24.15		
15	36	18		24.54	24.50	24.49		
15	1	0		23.94	23.93	23.97		
15	1	78		23.72	23.71	23.73		
15	75	0		24.05	24.05	23.99		
15	1	1	QPSK	24.52	24.52	24.39	12.96	0.0198
15	1	77		24.50	24.47	24.31		
15	36	18		24.46	24.45	24.47		
15	1	0		23.60	23.45	23.41		
15	1	78		23.39	23.38	23.30		
15	75	0		23.55	23.56	23.50		
15	1	1	16-QAM	23.44	23.45	23.33	12.96	0.0198
15	1	1	64-QAM	22.19	22.19	22.19		
15	1	1	256-QAM	19.47	19.51	19.55		
Limit	ERP < 3W			Result			Pass	



NR n13 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.43	24.45	24.47	22.37	0.1726		
5	1	23		24.37	24.54	24.46				
5	12	6		24.46	24.49	24.51				
5	1	0		23.95	24.04	23.95				
5	1	24		24.03	23.96	23.97				
5	25	0		23.90	23.96	23.92				
5	1	1	QPSK	24.44	24.39	24.45			21.32	0.1355
5	1	23		24.47	24.53	24.50				
5	12	6		24.45	24.48	24.51				
5	1	0		23.46	23.44	23.53				
5	1	24		23.54	23.45	23.51				
5	25	0		23.45	23.53	23.44				
5	1	1	16-QAM	23.37	23.45	23.49	21.32	0.1355		
5	1	1	64-QAM	22.19	22.02	22.15				
5	1	1	256-QAM	19.51	19.95	19.44				
Limit	ERP < 3W			Result			Pass			

NR n13 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	-	24.45	-	22.36	0.1722		
10	1	50		-	24.53	-				
10	25	12		-	24.49	-				
10	1	0		-	24.05	-				
10	1	51		-	24.00	-				
10	50	0		-	24.03	-				
10	1	1	QPSK	-	24.45	-			21.26	0.1337
10	1	50		-	24.51	-				
10	25	12		-	24.46	-				
10	1	0		-	23.47	-				
10	1	51		-	23.56	-				
10	50	0		-	23.46	-				
10	1	1	16-QAM	-	23.43	-	21.26	0.1337		
10	1	1	64-QAM	-	22.10	-				
10	1	1	256-QAM	-	20.02	-				
Limit	ERP < 3W			Result			Pass			



NR n14 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.50	24.51	24.52	22.48	0.177
5	1	23		24.48	24.53	24.51		
5	12	6		24.51	24.56	24.51		
5	1	0		24.10	24.10	24.13		
5	1	24		23.97	24.12	24.14		
5	25	0		24.11	24.08	24.02		
5	1	1	QPSK	24.63	24.65	24.64		
5	1	23		24.62	24.60	24.58		
5	12	6		24.53	24.53	24.53		
5	1	0		23.62	23.65	23.61		
5	1	24		23.59	23.59	23.56		
5	25	0		23.58	23.54	23.65		
5	1	1	16-QAM	23.55	23.54	23.52	21.38	0.1374
5	1	1	64-QAM	22.29	22.37	22.29		
5	1	1	256-QAM	19.55	19.53	19.51		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	24.51	-	22.44	0.1754
10	1	50		-	24.50	-		
10	25	12		-	24.58	-		
10	1	0		-	24.15	-		
10	1	51		-	24.00	-		
10	50	0		-	24.11	-		
10	1	1	QPSK	-	24.59	-		
10	1	50		-	24.61	-		
10	25	12		-	24.55	-		
10	1	0		-	23.64	-		
10	1	51		-	23.63	-		
10	50	0		-	23.56	-		
10	1	1	16-QAM	-	23.53	-	21.36	0.1368
10	1	1	64-QAM	-	22.27	-		
10	1	1	256-QAM	-	19.48	-		
Limit	ERP < 3W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.61	24.74	24.89	23.62	0.2301
5	1	23		24.70	24.68	24.82		
5	12	6		24.61	24.72	24.93		
5	1	0		24.18	24.26	24.46		
5	1	24		24.16	24.36	24.29		
5	25	0		24.11	24.30	24.49		
5	1	1	QPSK	24.58	24.76	24.99		
5	1	23		24.63	24.78	24.97		
5	12	6		24.60	24.69	24.88		
5	1	0		23.54	23.76	23.94		
5	1	24		23.61	23.87	23.96		
5	25	0		23.62	23.76	24.00		
5	1	1	16-QAM	23.61	23.71	23.91	22.54	0.1795
5	1	1	64-QAM	22.38	22.49	22.61		
5	1	1	256-QAM	19.69	19.79	20.00		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.55	24.58	24.81	23.62	0.2301
10	1	50		24.61	24.70	24.88		
10	25	12		24.67	24.83	24.99		
10	1	0		24.05	24.21	24.39		
10	1	51		24.03	24.18	24.35		
10	50	0		24.12	24.23	24.52		
10	1	1	QPSK	24.56	24.69	24.97		
10	1	50		24.56	24.76	24.99		
10	25	12		24.64	24.80	24.99		
10	1	0		23.53	23.70	23.98		
10	1	51		23.51	23.71	23.95		
10	50	0		23.58	23.72	23.96		
10	1	1	16-QAM	23.45	23.66	23.85	22.48	0.177
10	1	1	64-QAM	22.36	22.43	22.66		
10	1	1	256-QAM	19.62	19.69	19.92		
Limit	EIRP < 2W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.57	24.67	24.80	23.61	0.2296
15	1	77		24.55	24.81	24.94		
15	36	18		24.60	24.85	24.98		
15	1	0		24.17	24.22	24.49		
15	1	78		24.06	24.27	24.38		
15	75	0		24.16	24.33	24.47		
15	1	1	QPSK	24.70	24.75	24.95		
15	1	77		24.67	24.91	24.95		
15	36	18		24.62	24.85	24.94		
15	1	0		23.52	23.73	23.95		
15	1	78		23.65	23.85	24.03		
15	75	0		23.70	23.81	24.00		
15	1	1	16-QAM	23.61	23.65	23.84	22.47	0.1766
15	1	1	64-QAM	22.12	22.24	22.62		
15	1	1	256-QAM	20.10	20.20	19.93		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.45	24.58	24.75	23.63	0.2307
20	1	104		24.60	24.78	24.93		
20	50	25		24.70	24.80	25.00		
20	1	0		24.03	24.14	24.33		
20	1	105		24.12	24.30	24.53		
20	100	0		24.17	24.25	24.47		
20	1	1	QPSK	24.63	24.69	24.86		
20	1	104		24.69	24.88	24.95		
20	50	25		24.62	24.81	24.93		
20	1	0		23.62	23.70	23.84		
20	1	105		23.79	23.79	23.96		
20	100	0		23.63	23.86	24.00		
20	1	1	16-QAM	23.44	23.59	23.80	22.43	0.175
20	1	1	64-QAM	22.29	22.31	22.49		
20	1	1	256-QAM	19.45	19.65	19.80		
Limit	EIRP < 2W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	24.42	24.44	24.58	23.44	0.2208		
25	1	131		24.49	24.63	24.63				
25	64	32		24.46	24.56	24.78				
25	1	0		23.93	23.95	24.20				
25	1	132		23.97	24.01	24.18				
25	128	0		24.04	24.01	24.24				
25	1	1	QPSK	24.53	24.44	24.62			22.2	0.166
25	1	131		24.61	24.67	24.79				
25	64	32		24.55	24.49	24.81				
25	1	0		23.27	23.59	23.59				
25	1	132		23.65	23.71	23.69				
25	128	0		23.51	23.55	23.70				
25	1	1	16-QAM	23.42	23.43	23.57	22.2	0.166		
25	1	1	64-QAM	22.20	22.11	22.38				
25	1	1	256-QAM	19.89	19.89	20.03				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.59	24.35	24.44	23.31	0.2143		
30	1	158		24.65	24.55	24.65				
30	80	40		24.54	24.52	24.67				
30	1	0		24.03	23.93	24.12				
30	1	159		23.98	24.05	24.24				
30	160	0		24.05	24.08	24.24				
30	1	1	QPSK	24.55	24.43	24.54			22.15	0.1641
30	1	158		24.54	24.66	24.66				
30	80	40		24.59	24.52	24.68				
30	1	0		23.60	23.47	23.60				
30	1	159		23.55	23.55	23.68				
30	160	0		23.58	23.52	23.69				
30	1	1	16-QAM	23.52	23.28	23.48	22.15	0.1641		
30	1	1	64-QAM	22.23	22.14	22.31				
30	1	1	256-QAM	19.64	19.60	19.50				
Limit	EIRP < 2W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = -1.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.43	24.47	24.56	23.35	0.2163
40	1	214		24.56	24.66	24.71		
40	108	54		24.50	24.59	24.66		
40	1	0		24.03	23.95	24.08		
40	1	215		24.06	24.18	24.18		
40	216	0		24.06	24.10	24.27		
40	1	1	QPSK	24.47	24.29	24.57		
40	1	214		24.63	24.65	24.72		
40	108	54		24.60	24.53	24.71		
40	1	0		23.26	23.38	23.62		
40	1	215		23.54	23.65	23.75		
40	216	0		23.56	23.65	23.72		
40	1	1	16-QAM	23.43	23.34	23.51	22.14	0.1637
40	1	1	64-QAM	22.03	21.99	22.54		
40	1	1	256-QAM	19.53	19.49	19.62		
Limit	EIRP < 2W			Result			Pass	



NR n26 Maximum Average Power [dBm] (GT - LC = -1.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.45	24.46	24.28	20.75	0.1189
5	1	23		24.47	24.38	24.28		
5	12	6		24.46	24.42	24.39		
5	1	0		23.92	24.03	23.89		
5	1	24		23.99	23.95	23.79		
5	25	0		24.01	23.97	23.94		
5	1	1	QPSK	24.40	24.41	24.42		
5	1	23		24.41	24.47	24.35		
5	12	6		24.47	24.42	24.33		
5	1	0		23.51	23.50	23.40		
5	1	24		23.49	23.52	23.29		
5	25	0		23.51	23.44	23.31		
5	1	1	16-QAM	23.46	23.51	23.32	19.79	0.0953
5	1	1	64-QAM	22.12	22.23	22.05		
5	1	1	256-QAM	19.42	19.53	19.36		
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = -1.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.45	24.41	24.44	20.75	0.1189
10	1	50		24.46	24.40	24.28		
10	25	12		24.46	24.43	24.37		
10	1	0		23.88	24.00	23.86		
10	1	51		23.95	23.85	23.68		
10	50	0		24.01	24.03	23.79		
10	1	1	QPSK	24.42	24.43	24.44		
10	1	50		24.40	24.42	24.47		
10	25	12		24.42	24.41	24.35		
10	1	0		23.40	23.51	23.37		
10	1	51		23.56	23.47	23.38		
10	50	0		23.45	23.49	23.37		
10	1	1	16-QAM	23.47	23.50	23.32	19.78	0.0951
10	1	1	64-QAM	22.10	22.27	22.05		
10	1	1	256-QAM	19.39	19.49	19.30		
Limit	ERP < 7W			Result			Pass	



NR n26 Maximum Average Power [dBm] (GT - LC = -1.57 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.41	24.45	24.41	20.76	0.1191		
15	1	77		24.45	24.41	24.38				
15	36	18		24.42	24.48	24.46				
15	1	0		23.93	24.02	24.04				
15	1	78		23.96	23.98	23.92				
15	75	0		23.98	24.09	23.98				
15	1	1	QPSK	24.42	24.40	24.46			19.79	0.0953
15	1	77		24.47	24.46	24.41				
15	36	18		24.42	24.43	24.44				
15	1	0		23.52	23.56	23.62				
15	1	78		23.57	23.58	23.43				
15	75	0		23.56	23.63	23.50				
15	1	1	16-QAM	23.39	23.51	23.49	19.79	0.0953		
15	1	1	64-QAM	22.15	22.28	22.27				
15	1	1	256-QAM	19.44	19.49	19.50				
Limit	ERP < 7W			Result			Pass			

NR n26 Maximum Average Power [dBm] (GT - LC = -1.57 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.42	24.46	24.41	20.75	0.1189		
20	1	104		24.45	24.43	24.40				
20	50	25		24.41	24.47	24.42				
20	1	0		23.93	24.13	24.03				
20	1	105		23.91	23.98	23.98				
20	100	0		24.06	24.08	24.05				
20	1	1	QPSK	24.47	24.46	24.42			19.87	0.0971
20	1	104		24.39	24.42	24.41				
20	50	25		24.42	24.41	24.44				
20	1	0		23.49	23.64	23.60				
20	1	105		23.63	23.63	23.60				
20	100	0		23.51	23.65	23.54				
20	1	1	16-QAM	23.45	23.59	23.50	19.87	0.0971		
20	1	1	64-QAM	22.18	22.32	22.29				
20	1	1	256-QAM	19.47	19.61	19.51				
Limit	ERP < 7W			Result			Pass			



NR n30 Maximum Average Power [dBm] (GT - LC = 0.56 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.39	23.36	23.40	23.97	0.2495
5	1	23		23.35	23.35	23.39		
5	12	6		23.38	23.41	23.40		
5	1	0		22.87	22.92	22.97		
5	1	24		22.75	22.87	22.89		
5	25	0		22.91	23.03	22.97		
5	1	1	QPSK	23.33	23.39	23.40	23.33	0.2153
5	1	23		23.40	23.35	23.40		
5	12	6		23.35	23.38	23.37		
5	1	0		22.77	22.76	22.87		
5	1	24		22.72	22.66	22.74		
5	25	0		22.76	22.84	22.84		
5	1	1	16-QAM	22.64	22.77	22.74	23.33	0.2153
5	1	1	64-QAM	21.41	21.39	21.51		
5	1	1	256-QAM	18.64	18.70	18.84		
Limit	EIRP < 250 mW/5MHz			Result			Pass	

NR n30 Maximum Average Power [dBm] (GT - LC = 0.56 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	-	23.37	-	23.97	0.2495
10	1	50		-	23.35	-		
10	25	12		-	23.41	-		
10	1	0		-	22.82	-		
10	1	51		-	22.78	-		
10	50	0		-	22.95	-		
10	1	1	QPSK	-	23.35	-	23.4	0.2188
10	1	50		-	23.40	-		
10	25	12		-	23.39	-		
10	1	0		-	23.24	-		
10	1	51		-	22.65	-		
10	50	0		-	22.78	-		
10	1	1	16-QAM	-	22.84	-	23.4	0.2188
10	1	1	64-QAM	-	21.49	-		
10	1	1	256-QAM	-	18.60	-		
Limit	EIRP < 250 mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



NR n38 Maximum Average Power [dBm] (GT - LC = 0.65 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.27	24.27	24.35	25.1	0.3236		
10	1	22		24.27	24.24	24.37				
10	12	6		24.33	24.32	24.45				
10	1	0		23.78	23.72	23.88				
10	1	23		23.69	23.70	23.80				
10	24	0		22.77	22.73	22.87				
10	1	1	QPSK	24.28	24.27	24.37			23.99	0.2506
10	1	22		24.27	24.28	24.37				
10	12	6		24.29	24.34	24.40				
10	1	0		23.28	23.26	23.32				
10	1	23		23.20	23.26	23.32				
10	24	0		22.33	22.32	22.42				
10	1	1	16-QAM	23.10	23.19	23.34	23.99	0.2506		
10	1	1	64-QAM	21.70	21.70	21.81				
10	1	1	256-QAM	19.81	19.83	19.93				
Limit	EIRP < 2W			Result			Pass			

NR n38 Maximum Average Power [dBm] (GT - LC = 0.65 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.40	24.39	24.67	25.38	0.3451		
15	1	36		24.46	24.56	24.73				
15	18	9		24.50	24.47	24.70				
15	1	0		23.90	23.97	24.01				
15	1	37		23.91	24.02	24.21				
15	36	0		22.99	22.91	23.19				
15	1	1	QPSK	24.41	24.35	24.54			24.04	0.2535
15	1	36		24.51	24.38	24.70				
15	18	9		24.48	24.49	24.73				
15	1	0		23.38	23.41	23.48				
15	1	37		23.44	23.55	23.70				
15	36	0		22.55	22.43	22.70				
15	1	1	16-QAM	23.38	23.26	23.39	24.04	0.2535		
15	1	1	64-QAM	21.96	21.91	22.10				
15	1	1	256-QAM	19.99	20.04	20.23				
Limit	EIRP < 2W			Result			Pass			



NR n38 Maximum Average Power [dBm] (GT - LC = 0.65 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.35	24.33	24.46	25.32	0.3404
20	1	49		24.38	24.40	24.62		
20	25	12		24.51	24.45	24.67		
20	1	0		23.84	23.81	23.93		
20	1	50		23.88	23.84	24.07		
20	50	0		23.03	22.98	23.13		
20	1	1	QPSK	24.39	24.33	24.55	23.98	0.25
20	1	49		24.42	24.40	24.60		
20	25	12		24.52	24.44	24.64		
20	1	0		23.31	23.32	23.44		
20	1	50		23.44	23.39	23.55		
20	50	0		22.51	22.46	22.64		
20	1	1	16-QAM	23.33	23.33	23.26	23.98	0.25
20	1	1	64-QAM	21.82	21.80	21.82		
20	1	1	256-QAM	19.89	19.85	20.11		
Limit	EIRP < 2W			Result			Pass	



NR n38 Maximum Average Power [dBm] (GT - LC = 0.65 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.44	24.45	24.47	25.29	0.3381		
30	1	76		24.48	24.45	24.56				
30	36	18		24.44	24.47	24.46				
30	1	0		24.03	23.89	23.92				
30	1	77		23.88	24.09	24.06				
30	75	0		22.96	22.99	22.98				
30	1	1	QPSK	24.44	24.42	24.47			25.29	0.3381
30	1	76		24.52	24.51	24.64				
30	36	18		24.44	24.47	24.46				
30	1	0		23.38	23.41	23.41				
30	1	77		23.46	23.51	23.59				
30	75	0		22.46	22.47	22.48				
30	1	1	16-QAM	23.29	23.24	23.29	23.94	0.2477		
30	1	1	64-QAM	21.84	21.85	21.97				
30	1	1	256-QAM	19.94	19.99	20.05				
Limit	EIRP < 2W			Result			Pass			

NR n38 Maximum Average Power [dBm] (GT - LC = 0.65 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.44	24.44	24.50	25.37	0.3443		
40	1	104		24.63	24.47	24.65				
40	50	25		24.54	24.48	24.56				
40	1	0		23.96	23.93	24.09				
40	1	105		24.11	24.11	24.19				
40	100	0		23.03	23.03	23.05				
40	1	1	QPSK	24.51	24.50	24.55			25.37	0.3443
40	1	104		24.52	24.53	24.72				
40	50	25		24.54	24.51	24.58				
40	1	0		23.51	23.47	23.49				
40	1	105		23.55	23.59	23.71				
40	100	0		22.57	22.50	22.59				
40	1	1	16-QAM	23.46	23.36	23.33	24.11	0.2576		
40	1	1	64-QAM	22.02	21.93	22.00				
40	1	1	256-QAM	20.02	20.08	20.14				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	26.54	26.59	26.84	28.14	0.6516		
20	1	49		26.39	26.66	26.83				
20	25	12		26.56	26.70	26.92				
20	1	0		23.04	23.07	23.33				
20	1	50		22.92	23.19	23.28				
20	50	0		26.03	26.14	26.39				
20	1	1	QPSK	26.51	26.57	26.82			26.89	0.4887
20	1	49		26.40	26.68	26.81				
20	25	12		26.55	26.68	26.92				
20	1	0		23.03	23.05	23.31				
20	1	50		22.88	23.18	23.30				
20	50	0		25.58	25.69	25.94				
20	1	1	16-QAM	25.46	25.46	25.67	26.89	0.4887		
20	1	1	64-QAM	24.09	24.12	24.32				
20	1	1	256-QAM	22.13	22.16	22.32				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	26.70	26.53	26.99	28.21	0.6622		
30	1	76		26.53	26.69	26.95				
30	36	18		26.57	26.56	26.96				
30	1	0		23.21	22.97	23.48				
30	1	77		23.07	23.14	23.45				
30	75	0		26.15	26.06	26.49				
30	1	1	QPSK	26.69	26.48	26.97			27.17	0.5212
30	1	76		26.56	26.67	26.98				
30	36	18		26.57	26.54	26.97				
30	1	0		23.28	23.04	23.52				
30	1	77		23.08	23.19	23.46				
30	75	0		25.71	25.62	25.99				
30	1	1	16-QAM	25.61	25.44	25.95	27.17	0.5212		
30	1	1	64-QAM	24.25	24.10	24.52				
30	1	1	256-QAM	22.27	22.03	22.58				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.73	26.48	26.89	28.16	0.6546		
40	1	104		26.48	26.69	26.91				
40	50	25		26.48	26.60	26.94				
40	1	0		23.26	23.02	23.34				
40	1	105		23.01	23.23	23.42				
40	100	0		26.01	26.10	26.41				
40	1	1	QPSK	26.69	26.46	26.84			26.9	0.4898
40	1	104		26.44	26.69	26.84				
40	50	25		26.49	26.59	26.91				
40	1	0		23.24	22.97	23.36				
40	1	105		23.03	23.17	23.36				
40	100	0		25.45	25.56	25.94				
40	1	1	16-QAM	25.58	25.32	25.68	26.9	0.4898		
40	1	1	64-QAM	24.25	24.03	24.39				
40	1	1	256-QAM	22.32	22.02	22.40				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	26.75	26.39	26.74	28.19	0.6592		
50	1	131		26.38	26.70	26.88				
50	64	32		26.54	26.59	26.96				
50	1	0		23.25	22.90	23.13				
50	1	132		22.93	23.21	23.45				
50	128	0		26.01	26.04	26.41				
50	1	1	QPSK	26.68	26.46	26.73			26.95	0.4955
50	1	131		26.30	26.68	26.86				
50	64	32		26.53	26.58	26.97				
50	1	0		23.22	22.92	23.29				
50	1	132		22.90	23.23	23.42				
50	128	0		25.50	25.59	25.93				
50	1	1	16-QAM	25.61	25.28	25.73	26.95	0.4955		
50	1	1	64-QAM	24.27	24.01	24.36				
50	1	1	256-QAM	22.30	22.05	22.31				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	26.65	26.35	26.37	28.09	0.6442		
60	1	160		26.18	26.75	26.79				
60	81	40		26.45	26.64	26.70				
60	1	0		23.15	22.81	22.88				
60	1	161		22.78	23.27	23.35				
60	162	0		25.92	26.14	26.21				
60	1	1	QPSK	26.62	26.10	26.44			26.72	0.4699
60	1	160		26.17	26.54	26.87				
60	81	40		26.44	26.33	26.73				
60	1	0		23.17	22.80	22.95				
60	1	161		22.71	23.31	23.34				
60	162	0		25.46	25.66	25.74				
60	1	1	16-QAM	25.50	25.04	25.43	26.72	0.4699		
60	1	1	64-QAM	24.17	23.64	23.93				
60	1	1	256-QAM	22.22	21.70	21.88				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	26.69	26.10	26.22	27.93	0.6209		
70	1	187		26.22	26.70	26.71				
70	90	45		26.32	26.39	26.62				
70	1	0		23.13	22.54	22.67				
70	1	188		22.68	23.13	23.16				
70	180	0		25.94	25.83	26.11				
70	1	1	QPSK	26.62	26.06	26.23			26.85	0.4842
70	1	187		26.16	26.58	26.66				
70	90	45		26.31	26.35	26.63				
70	1	0		23.15	22.61	22.74				
70	1	188		22.70	23.06	23.15				
70	180	0		25.48	25.35	25.59				
70	1	1	16-QAM	25.63	25.07	25.13	26.85	0.4842		
70	1	1	64-QAM	24.12	23.67	23.73				
70	1	1	256-QAM	22.19	21.59	21.71				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.66	26.10	26.28	27.79	0.6012
80	1	215		26.06	25.66	25.79		
80	108	54		26.26	26.36	25.97		
80	1	0		23.16	22.58	22.81		
80	1	216		22.68	23.11	23.20		
80	216	0		25.75	25.86	26.15		
80	1	1	QPSK	26.57	26.17	26.27		
80	1	215		26.06	25.72	25.81		
80	108	54		26.23	26.36	26.01		
80	1	0		23.11	22.62	22.75		
80	1	216		22.69	23.10	23.20		
80	216	0		25.29	25.40	25.58		
80	1	1	16-QAM	25.53	25.04	25.24	26.75	0.4732
80	1	1	64-QAM	24.07	23.72	23.70		
80	1	1	256-QAM	22.13	21.65	21.81		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.61	26.22	26.22	27.73	0.5929
90	1	243		26.26	25.98	25.77		
90	120	60		26.34	26.38	26.48		
90	1	0		23.11	22.73	22.70		
90	1	244		22.77	23.19	23.16		
90	243	0		25.80	25.87	26.18		
90	1	1	QPSK	25.59	26.18	26.18		
90	1	243		26.23	25.73	25.74		
90	120	60		26.32	26.37	26.51		
90	1	0		23.07	22.70	22.71		
90	1	244		22.74	23.12	23.17		
90	243	0		25.30	25.39	25.62		
90	1	1	16-QAM	25.58	25.18	25.22	26.8	0.4786
90	1	1	64-QAM	24.12	23.72	23.79		
90	1	1	256-QAM	22.14	21.72	21.77		
Limit	EIRP < 2W			Result			Pass	



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 1.22 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.61	26.14	26.16	27.63	0.5794
100	1	271		25.98	25.71	25.72		
100	135	67		26.22	26.41	25.87		
100	1	0		23.11	22.73	22.63		
100	1	272		22.71	23.19	23.08		
100	270	0		25.73	25.88	26.02		
100	1	1	QPSK	25.60	26.16	26.20	26.71	0.4688
100	1	271		26.15	25.69	25.70		
100	135	67		26.24	26.40	25.79		
100	1	0		23.11	22.68	22.71		
100	1	272		22.73	23.21	23.17		
100	270	0		25.31	25.47	25.52		
100	1	1	16-QAM	25.49	25.06	24.95	26.71	0.4688
100	1	1	64-QAM	24.20	23.69	23.64		
100	1	1	256-QAM	22.14	21.73	21.75		
Limit	EIRP < 2W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 0.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.33	24.73	24.48	25.05	0.3199
5	1	23		24.24	24.68	24.54		
5	12	6		24.29	24.75	24.60		
5	1	0		23.79	24.21	24.15		
5	1	24		23.75	24.12	24.16		
5	25	0		23.81	24.28	24.19		
5	1	1	QPSK	24.43	24.81	24.71		
5	1	23		24.40	24.77	24.67		
5	12	6		24.33	24.76	24.66		
5	1	0		23.49	23.70	23.61		
5	1	24		23.38	23.77	23.70		
5	25	0		23.41	23.76	23.60		
5	1	1	16-QAM	23.72	23.96	23.61	24.2	0.263
5	1	1	64-QAM	21.66	22.02	22.39		
5	1	1	256-QAM	19.44	19.78	19.65		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 0.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.36	24.66	24.67	25.01	0.317
10	1	50		24.28	24.67	24.49		
10	25	12		24.44	24.71	24.63		
10	1	0		23.90	24.11	24.09		
10	1	51		23.71	24.28	24.15		
10	50	0		23.96	24.28	24.16		
10	1	1	QPSK	24.41	24.66	24.63		
10	1	50		24.34	24.68	24.61		
10	25	12		24.44	24.77	24.67		
10	1	0		23.52	23.61	23.62		
10	1	51		23.27	23.64	23.51		
10	50	0		23.43	23.75	23.73		
10	1	1	16-QAM	23.44	23.56	23.66	23.9	0.2455
10	1	1	64-QAM	22.33	22.35	22.42		
10	1	1	256-QAM	19.47	19.59	19.67		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 0.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.39	24.64	24.68	25.07	0.3214
15	1	77		24.35	24.71	24.52		
15	36	18		24.33	24.81	24.63		
15	1	0		24.01	24.11	24.21		
15	1	78		23.79	24.22	23.96		
15	75	0		23.93	24.34	24.16		
15	1	1	QPSK	24.51	24.77	24.73		
15	1	77		24.38	24.83	24.52		
15	36	18		24.43	24.82	24.60		
15	1	0		23.52	23.70	23.73		
15	1	78		23.32	23.72	23.69		
15	75	0		23.43	23.76	23.68		
15	1	1	16-QAM	23.31	23.61	23.58	23.85	0.2427
15	1	1	64-QAM	22.09	22.46	22.32		
15	1	1	256-QAM	19.48	19.74	19.66		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 0.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.37	24.61	24.68	25.07	0.3214
20	1	104		24.35	24.70	24.46		
20	50	25		24.41	24.81	24.70		
20	1	0		23.86	24.14	24.06		
20	1	105		23.86	24.15	23.93		
20	100	0		23.94	24.31	24.19		
20	1	1	QPSK	24.45	24.68	24.73		
20	1	104		24.36	24.81	24.52		
20	50	25		24.38	24.83	24.69		
20	1	0		23.44	23.67	23.57		
20	1	105		23.37	23.66	23.48		
20	100	0		23.41	23.78	23.72		
20	1	1	16-QAM	23.41	23.65	23.65	23.89	0.2449
20	1	1	64-QAM	22.15	22.41	22.42		
20	1	1	256-QAM	19.42	19.61	19.66		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 0.24 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.33	24.35	24.69	25	0.3162		
30	1	158		24.57	24.53	24.51				
30	80	40		24.45	24.39	24.75				
30	1	0		23.82	23.82	24.08				
30	1	159		23.99	24.03	22.94				
30	160	0		23.99	23.94	24.23				
30	1	1	QPSK	24.44	24.52	24.74			23.92	0.2466
30	1	158		24.57	24.61	24.62				
30	80	40		24.46	24.40	24.76				
30	1	0		23.33	23.33	23.65				
30	1	159		23.48	23.57	23.60				
30	160	0		23.50	23.48	23.76				
30	1	1	16-QAM	23.35	23.32	23.68	23.92	0.2466		
30	1	1	64-QAM	22.13	22.08	22.39				
30	1	1	256-QAM	19.60	19.55	19.85				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 0.24 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.64	24.68	24.77	25.23	0.3334		
40	1	214		24.96	24.94	24.79				
40	108	54		24.78	24.93	24.94				
40	1	0		24.17	24.17	24.29				
40	1	215		24.41	24.48	24.23				
40	216	0		24.30	24.55	24.55				
40	1	1	QPSK	24.58	24.72	24.88			24.11	0.2576
40	1	214		24.95	24.99	24.85				
40	108	54		24.87	24.96	24.98				
40	1	0		23.73	23.77	23.88				
40	1	215		23.99	24.11	23.84				
40	216	0		23.82	24.01	24.03				
40	1	1	16-QAM	23.59	23.61	23.87	24.11	0.2576		
40	1	1	64-QAM	22.11	22.36	22.64				
40	1	1	256-QAM	20.36	19.84	20.13				
Limit	EIRP < 1W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -8.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.98	24.31	24.29	14.08	0.0256
5	1	23		24.41	24.42	24.12		
5	12	6		24.45	24.55	24.27		
5	1	0		23.64	23.83	23.73		
5	1	24		23.92	23.82	23.64		
5	25	0		23.97	24.02	23.78		
5	1	1	QPSK	23.82	24.44	24.26		
5	1	23		24.21	24.43	24.16		
5	12	6		24.27	24.54	24.26		
5	1	0		22.85	23.35	23.34		
5	1	24		23.31	23.37	23.22		
5	25	0		23.34	23.51	23.29		
5	1	1	16-QAM	22.81	23.35	23.31	12.88	0.0194
5	1	1	64-QAM	21.60	22.05	21.96		
5	1	1	256-QAM	19.44	19.32	19.23		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -8.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.00	24.38	24.45	14.07	0.0255
10	1	50		24.42	24.47	24.18		
10	25	12		24.32	24.51	24.35		
10	1	0		23.62	23.99	23.93		
10	1	51		23.93	24.01	23.68		
10	50	0		23.94	23.98	23.82		
10	1	1	QPSK	23.90	24.45	24.46		
10	1	50		24.40	24.46	24.29		
10	25	12		24.25	24.54	24.40		
10	1	0		23.39	23.46	23.45		
10	1	51		23.47	23.42	23.29		
10	50	0		23.29	23.48	23.29		
10	1	1	16-QAM	22.90	23.40	23.39	12.93	0.0196
10	1	1	64-QAM	22.11	22.21	22.12		
10	1	1	256-QAM	19.53	19.37	19.44		
Limit	ERP < 3W			Result			Pass	



NR n71 Maximum Average Power [dBm] (GT - LC = -8.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.91	24.46	24.36	14.09	0.0256
15	1	77		23.43	24.56	24.18		
15	36	18		23.97	24.51	24.50		
15	1	0		23.23	23.93	23.85		
15	1	78		23.98	24.02	23.68		
15	75	0		23.82	23.96	23.88		
15	1	1	QPSK	23.72	24.49	24.50		
15	1	77		24.52	24.54	24.26		
15	36	18		23.88	24.53	24.45		
15	1	0		23.19	23.42	23.48		
15	1	78		23.45	23.57	23.32		
15	75	0		23.24	23.46	23.46		
15	1	1	16-QAM	22.77	23.45	23.46	12.99	0.0199
15	1	1	64-QAM	21.94	22.22	22.19		
15	1	1	256-QAM	19.32	19.34	19.31		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -8.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.90	24.18	24.39	14.06	0.0255
20	1	104		24.53	24.40	24.15		
20	50	25		24.43	24.48	24.41		
20	1	0		23.34	23.97	23.92		
20	1	105		24.05	23.90	23.65		
20	100	0		24.02	23.95	23.86		
20	1	1	QPSK	24.18	24.05	24.47		
20	1	104		24.52	24.45	24.27		
20	50	25		24.40	24.43	24.42		
20	1	0		23.53	23.38	23.45		
20	1	105		23.43	23.43	23.32		
20	100	0		23.48	23.42	23.38		
20	1	1	16-QAM	23.29	23.07	23.41	12.94	0.0197
20	1	1	64-QAM	22.12	22.06	22.15		
20	1	1	256-QAM	19.22	19.08	19.12		
Limit	ERP < 3W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	26.14	26.54	26.57	28.02	0.6339		
10	1	22		26.12	26.62	26.66				
10	12	6		26.25	26.70	26.68				
10	1	0		22.71	23.02	23.12				
10	1	23		22.61	23.06	23.10				
10	24	0		25.67	26.15	26.16				
10	1	1	QPSK	26.12	26.53	26.56			26.79	0.4775
10	1	22		26.10	26.58	26.60				
10	12	6		26.22	26.71	26.69				
10	1	0		22.64	23.03	23.10				
10	1	23		22.58	23.08	23.09				
10	24	0		25.20	25.67	25.63				
10	1	1	16-QAM	24.94	25.48	25.41	26.79	0.4775		
10	1	1	64-QAM	23.66	24.03	24.04				
10	1	1	256-QAM	21.74	22.18	22.21				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	26.21	26.57	26.81	28.18	0.6577		
15	1	36		26.20	26.65	26.84				
15	18	9		26.31	26.68	26.87				
15	1	0		22.68	23.11	23.31				
15	1	37		22.67	23.14	23.33				
15	36	0		25.75	26.22	25.83				
15	1	1	QPSK	26.19	26.60	26.79			26.86	0.4853
15	1	36		26.17	26.67	26.80				
15	18	9		26.32	26.70	26.82				
15	1	0		22.74	23.09	23.27				
15	1	37		22.65	23.12	23.25				
15	36	0		25.25	25.69	25.80				
15	1	1	16-QAM	25.17	25.55	25.53	26.86	0.4853		
15	1	1	64-QAM	23.77	24.10	24.38				
15	1	1	256-QAM	21.80	22.14	22.34				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.44	26.64	26.68	28.09	0.6442
20	1	49		26.11	26.61	26.76		
20	25	12		26.26	26.76	26.78		
20	1	0		22.87	22.44	23.18		
20	1	50		22.68	23.06	23.25		
20	50	0		25.75	26.24	26.26		
20	1	1	QPSK	26.31	26.60	26.64		
20	1	49		26.11	26.56	26.73		
20	25	12		26.25	26.64	26.76		
20	1	0		22.82	23.17	23.19		
20	1	50		22.67	23.05	23.21		
20	50	0		25.25	25.73	25.77		
20	1	1	16-QAM	25.30	25.54	25.62	26.93	0.4932
20	1	1	64-QAM	23.95	24.10	24.25		
20	1	1	256-QAM	21.89	22.21	22.23		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.31	26.55	26.85	28.17	0.6561
30	1	76		26.01	26.76	26.80		
30	36	18		26.15	26.65	26.84		
30	1	0		22.79	23.03	23.36		
30	1	77		22.49	23.19	23.32		
30	75	0		25.63	26.28	26.40		
30	1	1	QPSK	26.17	26.54	26.75		
30	1	76		26.05	26.61	26.83		
30	36	18		26.12	26.63	26.86		
30	1	0		22.70	23.04	23.33		
30	1	77		22.52	23.18	23.32		
30	75	0		25.17	25.65	25.87		
30	1	1	16-QAM	25.02	25.36	25.64	26.95	0.4955
30	1	1	64-QAM	23.74	24.12	24.38		
30	1	1	256-QAM	21.77	22.13	22.44		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.38	26.73	26.77	28.3	0.6761
40	1	104		26.10	26.72	26.99		
40	50	25		26.24	26.68	26.84		
40	1	0		23.02	23.20	23.37		
40	1	105		22.56	23.22	23.34		
40	100	0		25.70	26.16	26.31		
40	1	1	QPSK	26.43	26.69	26.83		
40	1	104		26.01	26.74	26.82		
40	50	25		26.22	26.65	26.79		
40	1	0		22.95	23.16	23.35		
40	1	105		22.60	23.21	23.31		
40	100	0		25.21	25.63	25.80		
40	1	1	16-QAM	25.31	25.47	25.62	26.93	0.4932
40	1	1	64-QAM	23.97	24.10	24.38		
40	1	1	256-QAM	22.08	22.33	22.42		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.18	26.40	26.66	28	0.631
50	1	131		25.66	26.49	26.59		
50	64	32		25.93	26.55	26.69		
50	1	0		22.58	22.85	23.16		
50	1	132		22.16	22.97	23.05		
50	128	0		25.40	26.06	26.19		
50	1	1	QPSK	26.11	26.37	26.68		
50	1	131		25.60	26.48	26.62		
50	64	32		25.94	26.55	26.68		
50	1	0		22.59	22.84	23.14		
50	1	132		22.10	22.99	23.10		
50	128	0		24.84	25.50	25.67		
50	1	1	16-QAM	24.91	25.24	25.52	26.83	0.4819
50	1	1	64-QAM	23.66	23.84	24.18		
50	1	1	256-QAM	21.65	22.01	22.24		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.17	26.32	26.49	28.12	0.6486
60	1	160		25.76	26.47	26.81		
60	81	40		25.94	26.48	26.73		
60	1	0		22.63	22.84	23.02		
60	1	161		22.23	22.91	23.26		
60	162	0		25.45	25.96	26.15		
60	1	1	QPSK	26.10	26.28	26.50		
60	1	160		25.68	26.44	26.66		
60	81	40		25.92	26.46	26.64		
60	1	0		22.66	22.75	22.98		
60	1	161		22.22	22.92	23.29		
60	162	0		24.95	25.41	25.63		
60	1	1	16-QAM	24.97	25.17	25.35	26.66	0.4634
60	1	1	64-QAM	23.66	23.76	23.94		
60	1	1	256-QAM	21.79	21.95	22.14		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	26.07	26.26	26.45	27.97	0.6266		
70	1	187		25.65	26.46	26.66				
70	90	45		25.89	26.48	26.58				
70	1	0		22.70	22.72	22.89				
70	1	188		22.09	22.89	23.19				
70	180	0		25.34	25.98	26.11				
70	1	1	QPSK	26.10	26.26	26.42			26.56	0.4529
70	1	187		25.54	26.41	26.63				
70	90	45		25.85	26.50	26.63				
70	1	0		22.55	22.70	22.95				
70	1	188		22.15	22.88	23.14				
70	180	0		24.87	25.48	25.56				
70	1	1	16-QAM	24.87	25.24	25.25	26.56	0.4529		
70	1	1	64-QAM	23.54	23.82	23.95				
70	1	1	256-QAM	21.70	21.81	22.07				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	26.12	26.26	26.54	28.02	0.6339		
80	1	215		25.68	26.43	26.71				
80	108	54		25.89	26.50	26.66				
80	1	0		22.60	22.69	22.99				
80	1	216		22.17	22.87	23.19				
80	216	0		25.38	25.96	26.17				
80	1	1	QPSK	26.09	26.19	26.49			26.68	0.4656
80	1	215		25.62	26.38	26.66				
80	108	54		25.88	26.49	26.67				
80	1	0		22.60	22.68	22.96				
80	1	216		22.15	22.89	23.20				
80	216	0		24.87	25.44	25.64				
80	1	1	16-QAM	24.99	25.13	25.37	26.68	0.4656		
80	1	1	64-QAM	23.64	23.74	24.05				
80	1	1	256-QAM	21.68	21.84	22.11				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.12	26.13	26.53	28.01	0.6324
90	1	243		25.70	26.45	26.69		
90	120	60		25.82	26.47	26.70		
90	1	0		22.64	22.71	22.99		
90	1	244		22.26	22.94	23.20		
90	243	0		25.33	25.92	26.15		
90	1	1	QPSK	26.11	26.18	26.49		
90	1	243		25.67	26.37	26.68		
90	120	60		25.76	26.47	26.67		
90	1	0		22.63	22.61	23.02		
90	1	244		22.16	22.92	23.17		
90	243	0		24.84	25.43	25.66		
90	1	1	16-QAM	25.07	24.97	25.42	26.73	0.471
90	1	1	64-QAM	23.65	23.66	23.91		
90	1	1	256-QAM	21.67	21.82	22.16		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	26.08	26.11	26.37	28.03	0.6353
100	1	271		25.80	26.52	26.72		
100	135	67		25.90	26.50	26.62		
100	1	0		22.67	22.58	22.99		
100	1	272		22.29	22.98	23.23		
100	270	0		25.35	25.93	26.12		
100	1	1	QPSK	26.11	26.13	26.43		
100	1	271		25.78	26.42	26.72		
100	135	67		25.91	26.49	26.59		
100	1	0		22.63	22.59	22.90		
100	1	272		22.23	23.02	23.26		
100	270	0		24.83	25.42	25.58		
100	1	1	16-QAM	25.02	24.98	25.29	26.6	0.4571
100	1	1	64-QAM	23.68	23.62	23.94		
100	1	1	256-QAM	21.67	21.79	22.00		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.61	26.48	26.36	27.76	0.597
10	1	22		26.60	26.49	26.37		
10	12	6		26.67	26.55	26.44		
10	1	0		23.12	23.04	22.87		
10	1	23		23.05	22.95	22.84		
10	24	0		26.15	26.07	25.94		
10	1	1	QPSK	26.58	26.47	26.32		
10	1	22		26.55	26.51	26.34		
10	12	6		26.68	26.54	26.41		
10	1	0		23.11	23.00	22.85		
10	1	23		23.05	22.94	22.81		
10	24	0		25.64	25.56	25.43		
10	1	1	16-QAM	25.47	25.32	25.16	26.55	0.4519
10	1	1	64-QAM	24.10	23.98	23.84		
10	1	1	256-QAM	22.17	22.10	21.87		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.69	26.52	26.55	27.82	0.6053
15	1	36		26.60	26.50	26.56		
15	18	9		26.74	26.63	26.62		
15	1	0		23.19	23.02	23.00		
15	1	37		23.08	23.01	23.02		
15	36	0		26.22	26.10	26.06		
15	1	1	QPSK	26.69	26.61	26.50		
15	1	36		26.59	26.53	26.53		
15	18	9		26.73	26.65	26.62		
15	1	0		23.20	22.97	22.99		
15	1	37		23.11	22.95	23.03		
15	36	0		25.74	25.52	25.59		
15	1	1	16-QAM	25.63	25.45	25.27	26.71	0.4688
15	1	1	64-QAM	24.26	24.10	23.95		
15	1	1	256-QAM	22.29	22.12	22.05		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.77	26.58	26.50	27.85	0.6095
20	1	49		26.63	26.56	26.48		
20	25	12		26.75	26.63	26.56		
20	1	0		23.21	23.08	22.97		
20	1	50		23.09	23.02	23.05		
20	50	0		26.23	26.09	26.07		
20	1	1	QPSK	26.72	26.56	26.45	26.66	0.4634
20	1	49		26.58	26.51	26.47		
20	25	12		26.75	26.60	26.53		
20	1	0		23.23	23.07	22.94		
20	1	50		23.13	23.02	22.94		
20	50	0		25.70	25.59	25.52		
20	1	1	16-QAM	25.58	25.41	25.42	26.66	0.4634
20	1	1	64-QAM	24.29	24.11	24.02		
20	1	1	256-QAM	22.31	22.17	22.03		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.70	26.72	26.58	27.8	0.6026
30	1	76		26.48	26.58	26.58		
30	36	18		26.63	26.64	26.63		
30	1	0		23.20	23.16	23.06		
30	1	77		23.11	23.04	23.07		
30	75	0		26.17	26.17	26.13		
30	1	1	QPSK	26.72	26.66	26.62		
30	1	76		26.55	26.54	26.60		
30	36	18		26.60	26.63	26.62		
30	1	0		23.24	23.16	23.09		
30	1	77		23.02	23.01	23.06		
30	75	0		25.67	25.60	25.64		
30	1	1	16-QAM	25.63	25.49	25.50	26.71	0.4688
30	1	1	64-QAM	24.23	24.13	24.07		
30	1	1	256-QAM	22.34	22.19	22.22		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.99	26.83	26.70	28.07	0.6412
40	1	104		26.74	26.75	26.68		
40	50	25		26.82	26.69	26.63		
40	1	0		23.54	23.31	23.23		
40	1	105		23.35	23.23	23.19		
40	100	0		26.39	26.21	26.17		
40	1	1	QPSK	26.95	26.84	26.65		
40	1	104		26.74	26.74	26.73		
40	50	25		26.84	26.70	26.68		
40	1	0		23.50	23.31	23.27		
40	1	105		23.22	23.24	23.17		
40	100	0		25.82	25.72	25.64		
40	1	1	16-QAM	25.86	25.68	25.55	26.94	0.4943
40	1	1	64-QAM	24.58	24.30	24.11		
40	1	1	256-QAM	22.59	22.36	22.27		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.70	26.55	26.47	27.78	0.5998
50	1	131		26.45	26.41	26.45		
50	64	32		26.53	26.56	26.54		
50	1	0		23.14	23.11	23.05		
50	1	132		22.86	22.86	22.90		
50	128	0		26.10	26.03	26.04		
50	1	1	QPSK	26.67	26.56	26.46		
50	1	131		26.46	26.35	26.44		
50	64	32		26.51	26.49	26.55		
50	1	0		23.15	23.06	22.94		
50	1	132		22.86	22.82	22.84		
50	128	0		25.52	25.53	25.52		
50	1	1	16-QAM	25.53	25.52	25.37	26.61	0.4581
50	1	1	64-QAM	24.12	24.11	23.91		
50	1	1	256-QAM	22.23	22.17	22.03		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.71	26.56	26.44	27.79	0.6012
60	1	160		26.51	26.47	26.45		
60	81	40		26.60	26.50	26.41		
60	1	0		23.13	23.06	22.90		
60	1	161		22.91	22.91	22.96		
60	162	0		26.07	25.97	26.01		
60	1	1	QPSK	26.67	26.58	26.49		
60	1	160		26.43	26.50	26.50		
60	81	40		26.58	26.50	26.42		
60	1	0		23.19	23.06	22.87		
60	1	161		22.94	22.88	22.95		
60	162	0		25.56	25.45	25.49		
60	1	1	16-QAM	25.51	25.39	25.31	26.59	0.456
60	1	1	64-QAM	24.11	24.05	23.85		
60	1	1	256-QAM	22.36	22.12	22.00		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	26.68	26.67	26.51	27.76	0.597		
70	1	187		26.37	26.42	26.35				
70	90	45		26.53	26.56	26.41				
70	1	0		23.15	23.15	23.09				
70	1	188		22.80	22.85	22.86				
70	180	0		26.08	26.10	25.94				
70	1	1	QPSK	26.64	26.63	26.35			26.56	0.4529
70	1	187		26.34	26.40	26.30				
70	90	45		26.56	26.58	26.41				
70	1	0		23.16	23.10	22.93				
70	1	188		22.84	22.82	22.84				
70	180	0		25.52	25.55	25.39				
70	1	1	16-QAM	25.48	25.46	25.36	26.56	0.4529		
70	1	1	64-QAM	24.18	24.06	23.94				
70	1	1	256-QAM	22.28	22.27	22.17				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	26.73	26.67	26.50	27.81	0.6039		
80	1	215		26.39	26.35	26.37				
80	108	54		26.54	26.52	26.49				
80	1	0		23.11	23.16	23.06				
80	1	216		22.84	22.93	22.82				
80	216	0		26.01	26.03	25.99				
80	1	1	QPSK	26.56	26.60	26.56			26.57	0.4539
80	1	215		26.33	26.30	26.40				
80	108	54		26.56	26.53	26.49				
80	1	0		23.18	23.17	23.04				
80	1	216		22.88	22.78	22.81				
80	216	0		25.49	25.49	25.43				
80	1	1	16-QAM	25.46	25.49	25.46	26.57	0.4539		
80	1	1	64-QAM	24.04	24.13	24.02				
80	1	1	256-QAM	22.24	22.23	22.16				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	26.63	26.67	26.70	27.79	0.6012		
90	1	243		26.41	26.50	26.37				
90	120	60		26.52	26.55	26.57				
90	1	0		23.09	23.12	23.12				
90	1	244		22.90	22.91	22.95				
90	243	0		25.99	26.09	26.01				
90	1	1	QPSK	26.64	26.71	26.64			26.65	0.4624
90	1	243		26.47	26.50	26.41				
90	120	60		26.51	26.55	26.60				
90	1	0		23.11	23.18	23.11				
90	1	244		22.89	22.88	22.89				
90	243	0		25.52	25.56	25.57				
90	1	1	16-QAM	25.54	25.50	25.57	26.65	0.4624		
90	1	1	64-QAM	24.06	24.13	24.14				
90	1	1	256-QAM	22.24	22.23	22.29				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	26.75	-	27.83	0.6067		
100	1	271		-	26.51	-				
100	135	67		-	26.52	-				
100	1	0		-	23.14	-				
100	1	272		-	22.91	-				
100	270	0		-	26.09	-				
100	1	1	QPSK	-	26.63	-			26.75	0.4732
100	1	271		-	26.44	-				
100	135	67		-	26.56	-				
100	1	0		-	23.15	-				
100	1	272		-	22.95	-				
100	270	0		-	25.53	-				
100	1	1	16-QAM	-	25.67	-	26.75	0.4732		
100	1	1	64-QAM	-	24.21	-				
100	1	1	256-QAM	-	22.25	-				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.11	26.14	25.96	27.62	0.5781
10	1	22		26.22	26.17	25.92		
10	12	6		26.31	26.17	26.03		
10	1	0		22.79	22.84	22.54		
10	1	23		22.77	22.65	22.45		
10	24	0		25.79	25.68	25.53		
10	1	1	QPSK	26.15	26.13	25.93		
10	1	22		26.18	26.09	25.96		
10	12	6		26.15	26.18	26.05		
10	1	0		22.65	22.69	22.50		
10	1	23		22.75	22.68	22.40		
10	24	0		25.30	25.22	25.01		
10	1	1	16-QAM	25.13	25.11	24.98	26.44	0.4406
10	1	1	64-QAM	23.75	23.76	23.54		
10	1	1	256-QAM	21.75	21.75	21.55		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.28	26.29	26.07	27.6	0.5754
15	1	36		26.24	26.22	25.98		
15	18	9		26.29	26.29	26.10		
15	1	0		22.86	22.79	22.58		
15	1	37		22.85	22.74	22.45		
15	36	0		25.76	25.68	25.62		
15	1	1	QPSK	26.24	26.18	26.08		
15	1	36		26.16	26.20	25.98		
15	18	9		26.28	26.19	26.10		
15	1	0		22.73	22.70	22.54		
15	1	37		22.72	22.70	22.48		
15	36	0		25.29	25.20	25.12		
15	1	1	16-QAM	25.22	25.12	24.93	26.53	0.4498
15	1	1	64-QAM	23.84	23.75	23.68		
15	1	1	256-QAM	21.78	21.78	21.79		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.24	23.29	26.10	27.97	0.6266
20	1	49		26.26	26.26	26.02		
20	25	12		23.30	26.66	26.09		
20	1	0		22.83	22.74	22.53		
20	1	50		22.88	22.73	22.50		
20	50	0		25.89	25.79	25.64		
20	1	1	QPSK	26.24	26.15	26.00	26.4	0.4365
20	1	49		26.24	26.24	25.99		
20	25	12		26.28	26.29	26.07		
20	1	0		22.75	22.73	22.60		
20	1	50		22.76	22.75	22.53		
20	50	0		25.32	25.34	25.09		
20	1	1	16-QAM	25.09	25.04	24.87	26.4	0.4365
20	1	1	64-QAM	23.83	23.64	23.54		
20	1	1	256-QAM	21.80	21.83	21.64		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.97	25.95	25.98	27.32	0.5395
30	1	76		25.87	25.92	25.77		
30	36	18		25.90	25.86	25.92		
30	1	0		22.77	22.71	22.65		
30	1	77		22.64	22.65	22.43		
30	75	0		25.59	25.44	25.48		
30	1	1	QPSK	26.01	25.93	25.97		
30	1	76		25.80	25.87	25.78		
30	36	18		25.89	25.85	25.92		
30	1	0		22.71	22.63	22.63		
30	1	77		22.57	22.57	22.49		
30	75	0		24.98	24.98	25.01		
30	1	1	16-QAM	24.94	24.83	24.87	26.25	0.4217
30	1	1	64-QAM	23.56	23.64	23.58		
30	1	1	256-QAM	21.78	21.63	21.72		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.10	26.01	25.98	27.43	0.5534
40	1	104		26.12	25.96	25.83		
40	50	25		26.02	25.90	25.90		
40	1	0		22.76	22.71	22.73		
40	1	105		22.78	22.64	22.49		
40	100	0		25.61	25.56	25.44		
40	1	1	QPSK	26.04	25.97	25.88		
40	1	104		26.08	25.82	25.77		
40	50	25		26.04	25.89	25.86		
40	1	0		22.76	22.69	22.65		
40	1	105		22.79	22.59	22.48		
40	100	0		25.10	25.01	24.93		
40	1	1	16-QAM	24.92	24.94	24.80	26.25	0.4217
40	1	1	64-QAM	23.66	23.69	23.66		
40	1	1	256-QAM	21.87	21.70	21.71		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.80	25.86	25.79	27.17	0.5212
50	1	131		25.64	25.59	25.36		
50	64	32		25.75	25.84	25.67		
50	1	0		22.49	22.53	22.51		
50	1	132		22.30	22.25	22.03		
50	128	0		25.32	25.35	25.14		
50	1	1	QPSK	25.77	25.75	25.72		
50	1	131		25.56	25.57	25.32		
50	64	32		25.66	25.77	25.62		
50	1	0		22.51	22.48	22.44		
50	1	132		22.23	22.29	21.97		
50	128	0		24.78	24.81	24.68		
50	1	1	16-QAM	24.64	24.73	24.76	26.07	0.4046
50	1	1	64-QAM	23.45	23.38	23.36		
50	1	1	256-QAM	21.50	21.66	21.46		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.81	25.75	25.79	27.18	0.5224
60	1	160		25.67	25.57	25.42		
60	81	40		25.87	25.76	25.75		
60	1	0		22.58	22.57	22.50		
60	1	161		22.33	22.28	22.12		
60	162	0		25.38	25.36	25.26		
60	1	1	QPSK	25.76	25.74	25.68		
60	1	160		25.62	25.54	25.44		
60	81	40		25.75	25.73	25.70		
60	1	0		22.47	22.49	22.46		
60	1	161		22.32	22.20	22.12		
60	162	0		24.88	24.79	24.77		
60	1	1	16-QAM	24.81	24.61	24.62	26.12	0.4093
60	1	1	64-QAM	23.52	23.39	23.37		
60	1	1	256-QAM	21.48	21.47	21.44		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.85	25.83	25.80	27.16	0.52
70	1	187		25.45	25.46	25.41		
70	90	45		25.68	25.79	25.77		
70	1	0		22.44	22.54	22.47		
70	1	188		22.16	22.23	22.19		
70	180	0		25.25	25.26	25.30		
70	1	1	QPSK	25.79	25.77	25.77		
70	1	187		25.41	25.44	25.42		
70	90	45		25.64	25.76	25.77		
70	1	0		22.50	22.51	22.50		
70	1	188		22.13	22.18	22.11		
70	180	0		24.75	24.83	24.82		
70	1	1	16-QAM	24.70	24.68	24.69	26.01	0.399
70	1	1	64-QAM	23.51	23.42	23.47		
70	1	1	256-QAM	21.55	21.56	21.57		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.83	25.77	25.73	27.14	0.5176
80	1	215		25.50	25.49	25.51		
80	108	54		25.79	25.75	25.70		
80	1	0		22.49	22.52	22.50		
80	1	216		22.29	22.15	22.13		
80	216	0		25.29	25.24	25.25		
80	1	1	QPSK	25.78	25.76	25.71		
80	1	215		25.48	25.42	25.36		
80	108	54		25.74	25.70	25.68		
80	1	0		22.49	22.48	22.44		
80	1	216		22.16	22.10	22.02		
80	216	0		24.76	24.78	24.71		
80	1	1	16-QAM	24.90	24.77	24.66	26.21	0.4178
80	1	1	64-QAM	23.53	23.49	23.48		
80	1	1	256-QAM	21.56	21.53	21.60		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.83	25.80	25.81	27.14	0.5176		
90	1	243		25.46	25.50	25.51				
90	120	60		25.67	25.76	25.83				
90	1	0		22.55	22.52	22.49				
90	1	244		22.25	22.24	22.07				
90	243	0		25.20	25.23	25.31				
90	1	1	QPSK	25.80	25.74	25.75			26	0.3981
90	1	243		25.44	25.46	25.48				
90	120	60		25.66	25.72	25.79				
90	1	0		22.51	22.44	22.46				
90	1	244		22.06	22.09	22.16				
90	243	0		24.74	24.75	24.82				
90	1	1	16-QAM	24.69	24.63	24.63	26	0.3981		
90	1	1	64-QAM	23.51	23.50	23.29				
90	1	1	256-QAM	21.59	21.57	21.53				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	25.85	-	-	-		
100	1	271		-	25.47	-				
100	135	67		-	25.78	-				
100	1	0		-	22.48	-				
100	1	272		-	22.14	-				
100	270	0		-	25.24	-				
100	1	1	QPSK	-	25.77	-			-	-
100	1	271		-	25.52	-				
100	135	67		-	25.76	-				
100	1	0		-	22.50	-				
100	1	272		-	22.14	-				
100	270	0		-	24.76	-				
100	1	1	16-QAM	-	24.69	-	-	-		
100	1	1	64-QAM	-	23.43	-				
100	1	1	256-QAM	-	21.56	-				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.38	26.28	26.48	27.57	0.5715
10	1	22		26.34	26.24	26.35		
10	12	6		26.40	26.39	26.49		
10	1	0		22.88	22.83	22.93		
10	1	23		22.86	22.79	22.90		
10	24	0		25.89	25.84	25.98		
10	1	1	QPSK	26.31	26.31	26.35		
10	1	22		26.33	26.28	26.35		
10	12	6		26.39	26.36	26.46		
10	1	0		22.83	22.81	22.85		
10	1	23		22.82	22.78	22.89		
10	24	0		25.38	25.36	25.47		
10	1	1	16-QAM	25.31	25.26	25.20	26.39	0.4355
10	1	1	64-QAM	23.95	23.84	23.90		
10	1	1	256-QAM	21.93	21.86	21.94		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.37	26.32	26.38	27.54	0.5675
15	1	36		26.32	26.41	26.44		
15	18	9		26.43	26.34	26.46		
15	1	0		22.82	22.78	22.92		
15	1	37		22.78	22.86	22.88		
15	36	0		25.90	25.85	25.98		
15	1	1	QPSK	26.30	26.29	26.44		
15	1	36		26.31	26.33	26.43		
15	18	9		26.43	26.36	26.45		
15	1	0		22.85	22.79	22.90		
15	1	37		22.79	22.85	22.91		
15	36	0		25.38	25.33	25.38		
15	1	1	16-QAM	25.31	25.22	25.38	26.46	0.4426
15	1	1	64-QAM	23.89	23.81	24.02		
15	1	1	256-QAM	21.86	21.83	22.01		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	26.39	26.29	26.39	27.57	0.5715		
20	1	49		26.37	26.37	26.40				
20	25	12		26.44	26.49	26.43				
20	1	0		22.87	22.84	22.93				
20	1	50		22.84	22.87	22.83				
20	50	0		25.94	25.93	25.91				
20	1	1	QPSK	26.35	26.30	26.38			26.39	0.4355
20	1	49		26.38	26.32	26.33				
20	25	12		26.42	26.45	26.41				
20	1	0		22.88	22.75	22.88				
20	1	50		22.89	22.77	22.81				
20	50	0		25.40	25.44	25.45				
20	1	1	16-QAM	25.31	25.07	25.11	26.39	0.4355		
20	1	1	64-QAM	23.87	23.82	23.84				
20	1	1	256-QAM	21.94	21.81	21.99				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	26.50	26.44	26.59	27.73	0.5929		
30	1	76		26.40	26.41	26.60				
30	36	18		26.40	26.46	26.65				
30	1	0		21.85	23.05	23.03				
30	1	77		22.88	22.91	23.10				
30	75	0		25.94	26.05	26.16				
30	1	1	QPSK	26.47	26.45	26.59			26.54	0.4508
30	1	76		26.39	26.47	26.60				
30	36	18		26.39	26.43	26.62				
30	1	0		23.04	22.95	23.12				
30	1	77		22.87	22.95	23.03				
30	75	0		25.43	25.52	25.63				
30	1	1	16-QAM	25.38	25.31	25.46	26.54	0.4508		
30	1	1	64-QAM	24.00	23.99	24.15				
30	1	1	256-QAM	22.07	22.06	22.14				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.57	26.54	26.51	27.69	0.5875		
40	1	104		26.49	26.59	26.56				
40	50	25		26.51	26.44	26.54				
40	1	0		23.10	23.16	23.01				
40	1	105		22.95	23.02	23.07				
40	100	0		26.04	26.01	25.99				
40	1	1	QPSK	26.53	26.48	26.48			26.52	0.4487
40	1	104		26.45	26.46	26.61				
40	50	25		26.51	26.41	26.49				
40	1	0		23.07	23.02	23.01				
40	1	105		22.95	23.06	23.08				
40	100	0		25.47	25.53	25.49				
40	1	1	16-QAM	25.44	25.44	25.34	26.52	0.4487		
40	1	1	64-QAM	24.16	24.09	24.05				
40	1	1	256-QAM	22.21	22.04	22.10				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	26.31	26.29	26.18	27.41	0.5508		
50	1	131		26.16	26.27	26.17				
50	64	32		26.20	26.33	26.24				
50	1	0		22.76	22.81	22.72				
50	1	132		22.65	22.67	22.68				
50	128	0		25.82	25.82	25.69				
50	1	1	QPSK	26.19	26.16	26.16			26.3	0.4266
50	1	131		26.11	26.21	26.12				
50	64	32		26.29	26.30	26.25				
50	1	0		22.81	22.67	22.56				
50	1	132		22.65	22.75	22.69				
50	128	0		25.27	25.27	25.22				
50	1	1	16-QAM	25.22	25.17	24.95	26.3	0.4266		
50	1	1	64-QAM	23.79	23.74	23.66				
50	1	1	256-QAM	21.90	21.77	21.66				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	26.40	26.25	26.18	27.48	0.5598		
60	1	160		26.16	26.23	26.20				
60	81	40		26.26	26.32	26.35				
60	1	0		22.89	22.88	22.81				
60	1	161		22.62	22.76	22.71				
60	162	0		25.84	25.82	25.77				
60	1	1	QPSK	26.28	26.19	26.18			26.28	0.4246
60	1	160		26.13	26.16	26.21				
60	81	40		26.23	26.33	26.31				
60	1	0		22.72	22.80	22.70				
60	1	161		22.63	22.72	22.72				
60	162	0		25.30	25.29	25.27				
60	1	1	16-QAM	25.15	25.20	24.96	26.28	0.4246		
60	1	1	64-QAM	23.89	23.86	23.71				
60	1	1	256-QAM	21.86	21.78	21.77				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	26.32	26.30	26.31	27.46	0.5572		
70	1	187		26.08	26.21	26.21				
70	90	45		26.20	26.24	26.38				
70	1	0		22.85	22.86	22.83				
70	1	188		22.57	22.78	22.82				
70	180	0		25.71	25.76	25.83				
70	1	1	QPSK	26.34	26.30	26.33			26.35	0.4315
70	1	187		26.03	26.19	26.21				
70	90	45		26.16	26.19	26.38				
70	1	0		22.87	22.83	22.81				
70	1	188		22.51	22.65	22.70				
70	180	0		25.16	25.34	25.29				
70	1	1	16-QAM	25.27	25.20	25.12	26.35	0.4315		
70	1	1	64-QAM	23.87	23.86	23.83				
70	1	1	256-QAM	21.93	21.84	21.92				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	26.31	26.36	26.24	27.44	0.5546		
80	1	215		26.21	26.19	26.28				
80	108	54		26.27	26.29	26.33				
80	1	0		22.76	22.81	22.77				
80	1	216		22.73	22.78	22.74				
80	216	0		25.76	25.79	25.78				
80	1	1	QPSK	26.32	26.36	26.30			26.34	0.4305
80	1	215		26.22	26.21	26.18				
80	108	54		26.31	26.28	26.31				
80	1	0		22.88	22.82	22.80				
80	1	216		22.71	22.72	22.81				
80	216	0		25.29	25.27	25.25				
80	1	1	16-QAM	25.26	25.19	25.17	26.34	0.4305		
80	1	1	64-QAM	23.89	23.87	23.79				
80	1	1	256-QAM	21.95	21.91	21.89				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	26.32	26.30	26.29	27.42	0.5521		
90	1	243		26.21	26.29	26.32				
90	120	60		26.18	26.27	26.34				
90	1	0		22.82	22.80	22.78				
90	1	244		22.69	22.77	22.80				
90	243	0		25.79	25.79	25.89				
90	1	1	QPSK	26.32	26.31	26.26			26.34	0.4305
90	1	243		26.26	26.29	26.29				
90	120	60		26.21	26.29	26.34				
90	1	0		22.77	22.76	22.85				
90	1	244		22.79	22.78	22.81				
90	243	0		25.34	25.34	25.35				
90	1	1	16-QAM	25.17	25.22	25.26	26.34	0.4305		
90	1	1	64-QAM	23.84	23.91	23.87				
90	1	1	256-QAM	21.90	21.83	21.85				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 1.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	26.28	-	27.36	0.5445		
100	1	271		-	26.26	-				
100	135	67		-	26.26	-				
100	1	0		-	22.82	-				
100	1	272		-	22.88	-				
100	270	0		-	25.82	-				
100	1	1	QPSK	-	26.27	-			26.2	0.4169
100	1	271		-	26.26	-				
100	135	67		-	26.24	-				
100	1	0		-	22.75	-				
100	1	272		-	22.77	-				
100	270	0		-	25.31	-				
100	1	1	16-QAM	-	25.12	-	26.2	0.4169		
100	1	1	64-QAM	-	23.81	-				
100	1	1	256-QAM	-	21.84	-				
Limit	EIRP < 1W			Result			Pass			



Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -0.99 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
5	1	1	PI/2 BPSK	24.41	24.48	24.39	21.35	0.1365		
5	1	23		24.44	24.40	24.49				
5	12	6		24.47	24.46	24.47				
5	1	0		23.86	23.89	23.88				
5	1	24		23.90	23.94	23.89				
5	25	0		23.92	23.90	23.99				
5	1	1	QPSK	24.39	24.48	24.43				
5	1	23		24.45	24.35	24.45				
5	12	6		24.48	24.45	24.41				
5	1	0		23.38	23.42	23.45				
5	1	24		23.48	23.48	23.50				
5	25	0		23.50	23.37	23.46				
5	1	1	16-QAM	23.33	23.43	23.35			20.29	0.1069
5	1	1	64-QAM	22.11	22.17	22.10				
5	1	1	256-QAM	19.35	19.34	19.35				
Limit	ERP < 100W			Result			Pass			

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -0.99 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
10	1	1	PI/2 BPSK	-	24.36	-	21.35	0.1365		
10	1	50		-	24.47	-				
10	25	12		-	24.44	-				
10	1	0		-	23.79	-				
10	1	51		-	23.86	-				
10	50	0		-	23.93	-				
10	1	1	QPSK	-	24.47	-				
10	1	50		-	24.48	-				
10	25	12		-	24.49	-				
10	1	0		-	23.32	-				
10	1	51		-	23.43	-				
10	50	0		-	23.38	-				
10	1	1	16-QAM	-	23.22	-			20.08	0.1019
10	1	1	64-QAM	-	21.89	-				
10	1	1	256-QAM	-	19.34	-				
Limit	ERP < 100W			Result			Pass			



NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	-	24.37	-	21.31	0.1352
5	1	23		-	24.40	-		
5	12	6		-	24.43	-		
5	1	0		-	23.94	-		
5	1	24		-	23.92	-		
5	25	0		-	23.89	-		
5	1	1	QPSK	-	24.42	-		
5	1	23		-	24.45	-		
5	12	6		-	24.42	-		
5	1	0		-	23.42	-		
5	1	24		-	23.48	-		
5	25	0		-	23.37	-		
5	1	1	16-QAM	-	23.37	-	20.23	0.1054
5	1	1	64-QAM	-	22.16	-		
5	1	1	256-QAM	-	19.45	-		
Limit	Reporting only			Result			N/A	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	24.36	-	21.34	0.1361
10	1	50		-	24.45	-		
10	25	12		-	24.40	-		
10	1	0		-	23.78	-		
10	1	51		-	23.91	-		
10	50	0		-	23.93	-		
10	1	1	QPSK	-	24.36	-		
10	1	50		-	24.48	-		
10	25	12		-	24.41	-		
10	1	0		-	23.23	-		
10	1	51		-	23.40	-		
10	50	0		-	23.42	-		
10	1	1	16-QAM	-	23.31	-	20.17	0.104
10	1	1	64-QAM	-	22.03	-		
10	1	1	256-QAM	-	19.31	-		
Limit	Reporting only			Result			N/A	



NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.99 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
15	1	1	PI/2 BPSK	-	24.37	-	21.34	0.1361		
15	1	77		-	24.48	-				
15	36	18		-	24.46	-				
15	1	0		-	23.95	-				
15	1	78		-	24.10	-				
15	75	0		-	24.01	-				
15	1	1	QPSK	-	24.41	-			20.17	0.104
15	1	77		-	24.43	-				
15	36	18		-	24.41	-				
15	1	0		-	23.31	-				
15	1	78		-	23.61	-				
15	75	0		-	23.56	-				
15	1	1	16-QAM	-	23.31	-	20.17	0.104		
15	1	1	64-QAM	-	22.03	-				
15	1	1	256-QAM	-	19.39	-				
Limit	Reporting only			Result			N/A			

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.99 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
20	1	1	PI/2 BPSK	-	24.44	-	21.35	0.1365		
20	1	104		-	24.41	-				
20	50	25		-	24.43	-				
20	1	0		-	23.94	-				
20	1	105		-	24.08	-				
20	100	0		-	23.96	-				
20	1	1	QPSK	-	24.41	-			20.26	0.1062
20	1	104		-	24.49	-				
20	50	25		-	24.43	-				
20	1	0		-	23.46	-				
20	1	105		-	23.56	-				
20	100	0		-	23.54	-				
20	1	1	16-QAM	-	23.40	-	20.26	0.1062		
20	1	1	64-QAM	-	22.13	-				
20	1	1	256-QAM	-	19.39	-				
Limit	Reporting only			Result			N/A			



<MIMO Mode>

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
10	1	1	QPSK	21.96	22.06	22.18	21.98	22.23	22.18	24.98	25.16	25.19	26.63	0.4603
10	1	22		21.81	22.11	22.23	22.11	22.32	22.39	24.97	25.23	25.32		
10	12	6		21.85	22.19	22.18	22.13	22.36	22.28	25.00	25.29	25.24		
10	1	0		19.94	20.24	20.16	20.04	20.34	20.17	23.00	23.30	23.18		
10	1	23		19.84	20.29	20.16	20.09	20.36	20.31	22.98	23.34	23.25		
10	24	0		20.41	20.69	20.76	20.57	20.88	20.84	23.50	23.80	23.81		
10	1	1	16-QAM	21.42	21.64	21.68	21.63	22.13	21.84	24.54	24.90	24.77	26.21	0.4178
10	1	1	64-QAM	19.91	20.19	20.25	19.96	20.13	20.16	22.95	23.17	23.22		
10	1	1	256-QAM	17.02	17.26	17.34	17.04	17.28	17.22	20.04	20.28	20.29		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
15	1	1	QPSK	21.91	22.20	22.38	22.04	22.32	22.31	24.99	25.27	25.36	26.80	0.4786
15	1	36		21.90	22.15	22.53	22.19	22.29	22.42	25.06	25.23	25.49		
15	19	9		21.82	22.18	22.44	22.25	22.33	22.39	25.05	25.27	25.43		
15	1	0		20.17	20.34	20.46	20.22	20.15	20.41	23.21	23.26	23.45		
15	1	37		19.90	20.28	20.47	20.20	20.77	20.55	23.06	23.54	23.52		
15	38	0		20.34	20.77	20.89	20.76	20.83	20.96	23.57	23.81	23.94		
15	1	1	16-QAM	21.40	21.79	21.93	21.64	22.07	22.21	24.53	24.94	25.08	26.39	0.4355
15	1	1	64-QAM	19.84	20.18	20.49	20.07	20.20	20.28	22.97	23.20	23.40		
15	1	1	256-QAM	17.04	17.30	17.19	16.89	17.27	17.13	19.98	20.30	20.17		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	22.01	22.19	22.43	22.18	22.34	22.39	25.11	25.28	25.42	26.84	0.4831
20	1	49		21.75	22.28	22.57	22.20	22.25	22.46	24.99	25.28	25.53		
20	25	12		21.98	22.22	22.23	22.26	22.37	22.40	25.13	25.31	25.33		
20	1	0		20.07	20.35	20.41	20.32	20.37	20.45	23.21	23.37	23.44		
20	1	50		19.84	20.28	20.31	20.16	20.26	20.39	23.01	23.28	23.36		
20	51	0		20.38	20.72	20.81	20.78	20.81	20.90	23.59	23.78	23.87		
20	1	1	16-QAM	21.48	21.74	21.76	21.94	21.95	21.98	24.73	24.86	24.88	26.19	0.4159
20	1	1	64-QAM	20.06	20.21	20.30	20.11	20.25	20.25	23.10	23.24	23.29		
20	1	1	256-QAM	17.07	17.40	17.43	17.22	17.30	17.36	20.16	20.36	20.41		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	21.85	22.34	22.54	22.07	22.18	22.53	24.97	25.27	25.55	26.86	0.4853
30	1	76		21.81	22.45	22.49	22.41	22.45	22.49	25.13	25.46	25.50		
30	39	19		21.81	22.15	22.43	22.28	22.44	22.46	25.06	25.31	25.46		
30	1	0		19.97	20.37	20.53	20.12	20.48	20.56	23.06	23.44	23.56		
30	1	77		19.81	20.39	20.49	20.34	20.39	20.58	23.09	23.40	23.55		
30	78	0		20.27	20.71	20.97	20.73	20.91	21.01	23.52	23.82	24.00		
30	1	1	16-QAM	21.44	21.80	21.95	21.77	21.83	22.27	24.62	24.83	25.12	26.43	0.4395
30	1	1	64-QAM	19.96	20.17	20.44	20.05	20.30	20.43	23.02	23.25	23.45		
30	1	1	256-QAM	17.01	17.32	17.53	17.11	17.38	17.48	20.07	20.36	20.52		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	22.09	22.53	22.43	22.45	22.55	22.52	25.28	25.55	25.49	26.86	0.4853
40	1	104		21.74	22.54	22.50	22.46	22.45	22.50	25.13	25.51	25.51		
40	53	26		21.76	22.17	22.39	22.34	22.40	22.43	25.07	25.30	25.42		
40	1	0		20.22	20.48	20.50	20.43	20.58	20.54	23.34	23.54	23.53		
40	1	105		19.70	20.29	20.48	20.50	20.54	20.60	23.13	23.43	23.55		
40	106	0		20.28	20.71	20.90	20.82	20.90	20.98	23.57	23.82	23.95		
40	1	1	16-QAM	21.69	21.84	21.91	21.97	22.07	22.14	24.84	24.97	25.04	26.35	0.4315
40	1	1	64-QAM	20.22	20.36	20.47	20.26	20.41	20.47	23.25	23.40	23.48		
40	1	1	256-QAM	17.29	17.46	17.49	17.29	17.43	17.48	20.30	20.46	20.50		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.79	22.09	22.43	22.07	22.19	22.29	24.94	25.15	25.37	26.68	0.4656
50	1	131		21.34	22.43	22.25	22.17	22.18	22.16	24.79	25.32	25.22		
50	67	33		21.55	22.02	22.23	22.10	22.15	22.30	24.84	25.10	25.28		
50	1	0		19.78	20.23	20.35	20.13	20.25	20.34	22.97	23.25	23.36		
50	1	132		19.31	20.15	20.27	20.28	20.29	20.21	22.83	23.23	23.25		
50	133	0		20.05	20.55	20.69	20.68	20.76	20.76	23.39	23.67	23.74		
50	1	1	16-QAM	21.32	21.46	21.84	21.74	21.76	22.02	24.55	24.62	24.94	26.25	0.4217
50	1	1	64-QAM	19.83	19.94	20.36	20.01	20.13	20.20	22.93	23.05	23.29		
50	1	1	256-QAM	16.86	17.10	17.48	17.01	17.17	17.20	19.95	20.15	20.35		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.82	22.01	22.18	22.14	22.10	22.18	24.99	25.07	25.19	26.61	0.4581
60	1	160		21.43	22.26	22.23	22.21	22.32	21.89	24.85	25.30	25.07		
60	81	40		21.44	21.98	22.15	22.17	22.16	22.08	24.83	25.08	25.13		
60	1	0		19.92	19.93	20.15	20.04	20.15	20.11	22.99	23.05	23.14		
60	1	161		19.35	20.08	20.49	20.25	20.16	20.09	22.83	23.13	23.30		
60	162	0		20.02	20.51	20.67	20.70	20.75	20.66	23.38	23.64	23.68		
60	1	1	16-QAM	21.37	21.45	21.64	21.88	21.77	21.86	24.64	24.62	24.76	26.07	0.4046
60	1	1	64-QAM	19.82	19.92	20.13	19.98	20.11	20.09	22.91	23.03	23.12		
60	1	1	256-QAM	16.88	17.00	17.20	17.10	17.10	17.06	20.00	20.06	20.14		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
70	1	1	QPSK	21.80	21.85	22.29	21.98	21.97	22.17	24.90	24.92	25.24	26.61	0.4581
70	1	187		21.54	21.99	22.57	22.17	22.03	21.98	24.88	25.02	25.30		
70	95	47		21.35	22.07	22.13	22.20	22.19	22.08	24.81	25.14	25.12		
70	1	0		19.71	19.89	20.36	20.02	20.01	20.13	22.88	22.96	23.26		
70	1	188		19.06	19.95	20.41	20.13	20.02	20.07	22.64	23.00	23.25		
70	189	0		19.92	20.53	20.64	20.52	20.70	20.52	23.24	23.63	23.59		
70	1	1	16-QAM	21.29	21.45	21.44	21.68	21.71	21.80	24.50	24.59	24.63	25.94	0.3926
70	1	1	64-QAM	19.81	20.02	20.11	19.84	20.03	20.03	22.84	23.04	23.08		
70	1	1	256-QAM	17.01	16.94	17.17	16.83	16.98	17.11	19.93	19.97	20.15		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
80	1	1	QPSK	21.94	21.97	22.30	21.97	22.16	22.02	24.97	25.08	25.17	26.53	0.4498
80	1	215		21.38	22.11	22.21	22.10	22.05	21.92	24.77	25.09	25.08		
80	109	54		21.45	22.02	22.21	22.30	22.18	22.20	24.91	25.11	25.22		
80	1	0		19.86	19.93	20.07	20.03	20.06	20.07	22.96	23.01	23.08		
80	1	216		19.18	20.10	20.34	20.13	20.15	19.98	22.69	23.14	23.17		
80	217	0		20.00	20.47	20.67	20.73	20.63	20.68	23.39	23.56	23.69		
80	1	1	16-QAM	21.24	21.44	21.61	21.68	21.82	21.98	24.48	24.64	24.81	26.12	0.4093
80	1	1	64-QAM	19.82	19.94	20.11	19.85	19.93	19.96	22.85	22.95	23.05		
80	1	1	256-QAM	16.90	16.96	17.11	16.97	17.01	17.05	19.95	20.00	20.09		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
90	1	1	QPSK	21.79	21.96	22.04	21.86	21.99	22.13	24.84	24.99	25.10	26.56	0.4529
90	1	243		21.20	22.13	22.40	22.20	22.21	22.08	24.74	25.18	25.25		
90	123	61		21.34	22.02	22.12	22.15	22.22	22.22	24.77	25.13	25.18		
90	1	0		19.72	19.88	20.20	19.90	20.04	20.32	22.82	22.97	23.27		
90	1	244		19.43	20.12	20.36	20.19	20.17	19.89	22.84	23.16	23.14		
90	245	0		19.92	20.44	20.56	20.66	20.63	20.70	23.32	23.55	23.64		
90	1	1	16-QAM	21.20	21.26	21.52	21.67	21.62	21.89	24.45	24.45	24.72	26.03	0.4009
90	1	1	64-QAM	19.80	19.72	20.12	19.89	20.06	20.16	22.86	22.90	23.15		
90	1	1	256-QAM	16.80	16.75	17.18	16.87	17.10	17.11	19.85	19.94	20.16		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
100	1	1	QPSK	21.93	21.94	21.90	22.00	22.00	22.18	24.98	24.98	25.05	26.62	0.4592
100	1	271		21.42	22.14	22.51	22.12	22.28	22.07	24.79	25.22	25.31		
100	137	68		21.34	21.96	21.99	22.15	22.18	22.13	24.77	25.08	25.07		
100	1	0		19.84	19.65	20.04	20.02	20.00	20.20	22.94	22.84	23.13		
100	1	272		19.39	19.97	20.44	20.30	20.14	19.99	22.88	23.07	23.23		
100	273	0		19.88	20.51	20.57	20.57	20.69	20.69	23.25	23.61	23.64		
100	1	1	16-QAM	21.23	21.22	21.46	21.64	21.31	21.71	24.45	24.28	24.60	25.91	0.3899
100	1	1	64-QAM	19.75	19.73	20.06	20.04	19.91	20.01	22.91	22.83	23.05		
100	1	1	256-QAM	16.90	16.76	17.17	16.89	16.99	17.08	19.91	19.89	20.14		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
10	1	1	QPSK	22.29	22.22	21.85	22.19	22.42	22.44	25.25	25.33	25.17	26.46	0.4426
10	1	22		22.38	22.22	22.05	22.35	22.45	22.53	25.38	25.35	25.31		
10	12	6		22.20	21.95	21.90	22.28	22.52	22.50	25.25	25.25	25.22		
10	1	0		20.34	20.18	20.02	20.18	20.48	20.43	23.27	23.34	23.24		
10	1	23		20.20	20.18	20.02	20.19	20.41	20.42	23.21	23.31	23.23		
10	24	0		20.78	20.54	20.46	20.83	21.05	21.00	23.82	23.81	23.75		
10	1	1	16-QAM	21.58	21.39	21.41	21.72	22.13	22.07	24.66	24.79	24.76	25.87	0.3864
10	1	1	64-QAM	20.18	19.99	19.91	20.08	20.36	20.34	23.14	23.19	23.14		
10	1	1	256-QAM	17.29	17.03	16.93	17.13	17.41	17.37	20.22	20.23	20.17		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
15	1	1	QPSK	22.53	22.20	22.25	22.28	22.33	22.67	25.42	25.28	25.48	26.60	0.4571
15	1	36		22.35	22.09	22.34	22.30	22.49	22.68	25.34	25.30	25.52		
15	19	9		22.24	22.05	22.05	22.29	22.54	22.61	25.28	25.31	25.35		
15	1	0		20.29	20.19	20.34	20.26	20.43	20.65	23.29	23.32	23.51		
15	1	37		20.23	20.14	19.99	20.24	20.46	20.62	23.25	23.31	23.33		
15	38	0		20.74	20.49	20.55	20.81	21.05	21.07	23.79	23.79	23.83		
15	1	1	16-QAM	21.78	21.62	21.62	21.94	22.04	22.10	24.87	24.85	24.88	25.96	0.3945
15	1	1	64-QAM	20.37	20.07	20.05	20.05	20.28	20.56	23.22	23.19	23.32		
15	1	1	256-QAM	17.29	17.08	17.13	17.16	17.35	17.55	20.24	20.23	20.36		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	22.57	22.08	22.11	22.41	22.25	22.51	25.50	25.18	25.32	26.58	0.455
20	1	49		22.30	22.17	22.13	22.29	22.48	22.45	25.31	25.34	25.30		
20	25	12		22.29	22.05	21.98	22.25	22.47	22.56	25.28	25.28	25.29		
20	1	0		20.49	20.23	20.16	20.29	20.43	20.48	23.40	23.34	23.33		
20	1	50		20.33	20.22	20.17	20.30	20.54	20.70	23.33	23.39	23.45		
20	51	0		20.83	20.55	20.50	20.80	21.03	21.09	23.83	23.81	23.82		
20	1	1	16-QAM	21.94	21.59	21.59	21.93	22.18	22.22	24.95	24.91	24.93	26.03	0.4009
20	1	1	64-QAM	20.39	20.08	20.06	20.20	20.33	20.52	23.31	23.22	23.31		
20	1	1	256-QAM	17.44	17.18	17.11	17.22	17.43	17.58	20.34	20.32	20.36		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	22.38	22.11	22.22	22.18	22.51	22.81	25.29	25.32	25.54	26.62	0.4592
30	1	76		22.22	21.91	22.26	22.43	22.68	22.71	25.34	25.32	25.50		
30	39	19		22.22	22.01	22.12	22.32	22.50	22.66	25.28	25.27	25.41		
30	1	0		20.21	20.18	20.23	20.32	20.48	20.75	23.28	23.34	23.51		
30	1	77		20.04	20.07	20.29	20.32	20.62	20.60	23.19	23.36	23.46		
30	78	0		20.69	20.61	20.58	20.80	21.07	21.20	23.76	23.86	23.91		
30	1	1	16-QAM	21.85	21.75	21.71	21.84	22.09	22.37	24.86	24.93	25.06	26.14	0.4111
30	1	1	64-QAM	20.40	20.25	20.21	20.11	20.38	20.63	23.27	23.33	23.44		
30	1	1	256-QAM	17.42	17.19	17.19	17.30	17.48	17.67	20.37	20.35	20.45		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	22.30	22.18	22.11	22.24	22.37	22.45	25.28	25.29	25.29	26.39	0.4355
40	1	104		22.18	22.12	22.13	22.36	22.40	22.47	25.28	25.27	25.31		
40	53	26		22.00	22.02	21.87	22.14	22.20	22.32	25.08	25.12	25.11		
40	1	0		20.24	20.10	20.02	20.21	20.32	20.51	23.24	23.22	23.28		
40	1	105		19.96	20.02	20.10	20.29	20.49	20.44	23.14	23.27	23.28		
40	106	0		20.52	20.46	20.40	20.81	20.73	20.85	23.68	23.61	23.64		
40	1	1	16-QAM	21.82	21.59	21.59	21.81	22.04	22.03	24.83	24.83	24.83	25.91	0.3899
40	1	1	64-QAM	20.26	20.17	20.14	20.37	20.26	20.28	23.33	23.23	23.22		
40	1	1	256-QAM	17.12	17.20	17.12	17.30	17.28	17.36	20.22	20.25	20.25		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
50	1	1	QPSK	21.93	21.92	21.79	21.76	22.03	22.12	24.86	24.99	24.97	26.10	0.4074
50	1	131		21.73	21.83	21.91	22.02	21.98	22.10	24.89	24.92	25.02		
50	67	33		21.68	21.81	21.77	21.93	22.09	22.15	24.82	24.96	24.97		
50	1	0		19.92	19.80	19.76	19.84	20.02	20.15	22.89	22.92	22.97		
50	1	132		19.63	19.62	19.82	19.96	19.98	20.01	22.81	22.81	22.93		
50	133	0		20.19	20.23	20.18	20.41	20.57	20.61	23.31	23.41	23.41		
50	1	1	16-QAM	21.47	21.27	21.34	21.41	21.57	21.79	24.45	24.43	24.58	25.66	0.3681
50	1	1	64-QAM	19.97	19.81	19.78	19.69	19.80	19.92	22.84	22.82	22.86		
50	1	1	256-QAM	17.02	16.92	16.85	16.75	16.94	17.06	19.90	19.94	19.97		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
60	1	1	QPSK	22.00	21.85	21.85	21.86	21.99	21.93	24.94	24.93	24.90	26.16	0.413
60	1	160		21.82	21.73	22.01	22.03	22.03	22.12	24.94	24.89	25.08		
60	81	40		21.78	21.80	21.67	22.01	22.05	22.13	24.91	24.94	24.92		
60	1	0		19.95	19.74	19.75	19.77	19.83	19.89	22.87	22.80	22.83		
60	1	161		19.71	19.68	19.81	20.09	20.06	20.12	22.91	22.88	22.98		
60	162	0		20.23	20.28	20.19	20.49	20.55	20.54	23.37	23.43	23.38		
60	1	1	16-QAM	21.40	21.27	21.15	21.53	21.50	21.44	24.48	24.40	24.31	25.56	0.3597
60	1	1	64-QAM	19.96	19.77	19.60	19.69	19.75	19.81	22.84	22.77	22.72		
60	1	1	256-QAM	17.04	16.86	16.65	16.76	16.82	16.85	19.91	19.85	19.76		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
70	1	1	QPSK	21.97	21.91	21.85	21.77	22.06	22.10	24.88	25.00	24.99	26.10	0.4074
70	1	187		22.00	21.90	21.87	22.02	22.04	22.13	25.02	24.98	25.01		
70	95	47		21.70	21.73	21.59	22.04	22.15	22.06	24.88	24.96	24.84		
70	1	0		19.85	20.11	19.96	19.68	20.06	19.98	22.78	23.10	22.98		
70	1	188		19.67	19.94	19.75	20.07	20.03	20.06	22.88	23.00	22.92		
70	189	0		20.20	20.26	20.09	20.44	20.62	20.54	23.33	23.45	23.33		
70	1	1	16-QAM	21.50	21.35	21.17	21.46	21.67	21.44	24.49	24.52	24.32	25.60	0.3631
70	1	1	64-QAM	19.94	19.91	19.82	19.69	19.84	19.81	22.83	22.89	22.83		
70	1	1	256-QAM	16.89	16.96	16.82	16.96	16.92	16.78	19.94	19.95	19.81		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
80	1	1	QPSK	22.12	22.03	22.02	21.86	22.05	21.86	25.00	25.05	24.95	26.24	0.4207
80	1	215		21.90	21.86	22.07	22.05	21.98	22.23	24.99	24.93	25.16		
80	109	54		21.82	21.75	21.71	22.05	22.11	22.24	24.95	24.94	24.99		
80	1	0		19.99	19.98	19.91	19.81	19.70	19.89	22.91	22.85	22.91		
80	1	216		19.68	19.90	19.67	20.10	20.00	20.09	22.91	22.96	22.90		
80	217	0		20.29	20.24	20.18	20.55	20.64	20.62	23.43	23.45	23.42		
80	1	1	16-QAM	21.46	21.30	21.30	21.69	21.54	21.25	24.59	24.43	24.29	25.67	0.369
80	1	1	64-QAM	20.01	19.94	19.94	19.77	19.79	19.93	22.90	22.88	22.95		
80	1	1	256-QAM	16.97	16.94	16.90	16.75	16.80	16.91	19.87	19.88	19.92		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
90	1	1	QPSK	21.83	21.90	21.98	21.78	21.96	22.04	24.82	24.94	25.02	26.19	0.4159
90	1	243		21.76	21.96	21.95	22.42	22.06	22.14	25.11	25.02	25.06		
90	123	61		21.73	21.76	21.74	22.02	22.02	22.07	24.89	24.90	24.92		
90	1	0		19.83	19.90	19.95	19.87	19.84	19.93	22.86	22.88	22.95		
90	1	244		19.83	19.85	19.72	20.32	19.81	20.17	23.09	22.84	22.96		
90	245	0		20.28	20.19	20.19	20.45	20.48	20.51	23.38	23.35	23.36		
90	1	1	16-QAM	21.21	21.47	21.34	21.46	21.48	21.79	24.35	24.49	24.58	25.66	0.3681
90	1	1	64-QAM	19.85	19.95	19.98	19.57	19.71	19.92	22.72	22.84	22.96		
90	1	1	256-QAM	17.05	16.96	16.89	16.72	16.62	16.97	19.90	19.80	19.94		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
100	1	1	QPSK	-	22.12	-	-	21.73	-	-	24.94	-	26.10	0.4074
100	1	271		-	22.02	-	-	21.99	-	-	25.02	-		
100	137	68		-	21.74	-	-	22.09	-	-	24.93	-		
100	1	0		-	20.00	-	-	19.78	-	-	22.90	-		
100	1	272		-	19.92	-	-	20.08	-	-	23.01	-		
100	273	0		-	20.30	-	-	20.59	-	-	23.46	-		
100	1	1	16-QAM	-	21.52	-	-	21.59	-	-	24.57	-	25.65	0.3673
100	1	1	64-QAM	-	19.99	-	-	19.72	-	-	22.87	-		
100	1	1	256-QAM	-	17.11	-	-	16.72	-	-	19.93	-		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
10	1	1	QPSK	21.80	21.79	21.50	21.29	21.66	21.61	24.56	24.74	24.57	26.05	0.4027
10	1	22		21.60	21.61	21.61	21.51	21.81	21.56	24.57	24.72	24.60		
10	12	6		21.61	21.59	21.60	21.50	21.66	21.67	24.57	24.64	24.65		
10	1	0		19.85	19.70	19.60	19.51	19.67	19.73	22.69	22.70	22.68		
10	1	23		19.78	19.66	19.61	19.56	19.60	19.65	22.68	22.64	22.64		
10	24	0		20.11	20.20	20.09	20.01	20.25	20.26	23.07	23.24	23.19		
10	1	1	16-QAM	21.13	21.12	20.95	21.27	21.31	21.36	24.21	24.23	24.17	25.54	0.3581
10	1	1	64-QAM	19.63	19.65	19.56	19.42	19.55	19.47	22.54	22.61	22.53		
10	1	1	256-QAM	16.78	16.79	16.79	16.40	16.61	16.71	19.60	19.71	19.76		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
15	1	1	QPSK	21.96	21.80	21.65	21.53	21.64	21.75	24.76	24.73	24.71	26.11	0.4083
15	1	36		21.76	21.76	21.56	21.66	21.82	21.74	24.72	24.80	24.66		
15	19	9		21.74	21.69	21.56	21.58	21.71	21.68	24.67	24.71	24.63		
15	1	0		19.84	19.98	19.74	19.62	19.80	19.77	22.74	22.90	22.77		
15	1	37		19.86	19.79	19.62	19.78	19.73	19.79	22.83	22.77	22.72		
15	38	0		20.21	20.19	20.10	20.17	20.36	20.23	23.20	23.29	23.18		
15	1	1	16-QAM	21.28	21.26	21.18	21.31	21.55	21.50	24.31	24.42	24.35	25.73	0.3741
15	1	1	64-QAM	19.84	19.92	19.70	19.63	19.72	19.62	22.75	22.83	22.67		
15	1	1	256-QAM	17.12	16.66	16.80	16.63	16.70	16.80	19.89	19.69	19.81		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	21.72	21.69	21.52	21.64	21.81	21.63	24.69	24.76	24.59	26.07	0.4046
20	1	49		21.82	21.78	21.58	21.64	21.69	21.61	24.74	24.75	24.61		
20	25	12		21.78	21.68	21.56	21.71	21.71	21.67	24.76	24.71	24.63		
20	1	0		19.91	19.82	19.60	19.69	19.79	19.68	22.81	22.82	22.65		
20	1	50		19.90	19.89	19.62	19.67	19.77	19.68	22.80	22.84	22.66		
20	51	0		20.26	20.26	20.07	20.20	20.32	20.16	23.24	23.30	23.13		
20	1	1	16-QAM	21.27	21.20	21.08	21.33	21.27	21.37	24.31	24.25	24.24	25.62	0.3648
20	1	1	64-QAM	19.80	19.74	19.64	19.60	19.58	19.55	22.71	22.67	22.61		
20	1	1	256-QAM	16.92	16.86	16.76	16.60	16.69	16.59	19.77	19.79	19.69		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	21.82	22.00	22.21	21.69	21.88	22.24	24.77	24.95	25.24	26.55	0.4519
30	1	76		21.75	21.77	21.74	21.69	21.79	21.88	24.73	24.79	24.82		
30	39	19		21.69	21.74	21.63	21.59	21.67	21.80	24.65	24.72	24.73		
30	1	0		19.80	19.82	19.92	19.63	19.73	19.86	22.73	22.79	22.90		
30	1	77		19.71	19.72	19.68	19.64	19.84	19.83	22.69	22.79	22.77		
30	78	0		20.28	20.30	20.17	20.11	20.20	20.34	23.21	23.26	23.27		
30	1	1	16-QAM	21.28	21.24	21.32	21.40	21.02	21.62	24.35	24.14	24.48	25.79	0.3793
30	1	1	64-QAM	19.91	19.82	19.86	19.66	19.65	19.83	22.80	22.75	22.86		
30	1	1	256-QAM	17.12	17.10	16.89	16.62	16.75	16.84	19.89	19.94	19.88		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	21.94	21.94	21.81	21.77	21.87	21.87	24.87	24.92	24.85	26.23	0.4198
40	1	104		21.86	21.78	21.72	21.82	21.85	21.80	24.85	24.83	24.77		
40	53	26		21.79	21.73	21.61	21.70	21.72	21.71	24.76	24.74	24.67		
40	1	0		20.06	20.01	19.83	19.82	19.85	19.93	22.95	22.94	22.89		
40	1	105		19.89	19.84	19.70	19.88	19.91	19.78	22.90	22.89	22.75		
40	106	0		20.37	20.30	20.15	20.28	20.25	20.29	23.34	23.29	23.23		
40	1	1	16-QAM	21.44	21.39	21.20	21.56	21.47	21.49	24.51	24.44	24.36	25.82	0.3819
40	1	1	64-QAM	20.00	19.94	19.78	19.65	19.72	19.71	22.84	22.84	22.76		
40	1	1	256-QAM	17.20	17.10	16.95	16.79	16.78	16.93	20.01	19.95	19.95		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.54	21.57	21.67	21.47	21.46	21.46	24.52	24.53	24.58	25.89	0.3882
50	1	131		21.42	21.37	21.16	21.45	21.41	21.31	24.45	24.40	24.25		
50	67	33		21.52	21.49	21.27	21.37	21.55	21.41	24.46	24.53	24.35		
50	1	0		19.73	19.58	19.67	19.51	19.52	19.56	22.63	22.56	22.63		
50	1	132		19.51	19.42	19.25	19.48	19.44	19.34	22.51	22.44	22.31		
50	133	0		20.02	20.01	19.87	19.88	20.09	19.97	22.96	23.06	22.93		
50	1	1	16-QAM	21.26	21.13	21.00	21.06	21.12	21.02	24.17	24.14	24.02	25.48	0.3532
50	1	1	64-QAM	19.71	19.77	19.55	19.41	19.44	19.37	22.57	22.62	22.47		
50	1	1	256-QAM	16.84	16.81	16.80	16.41	16.44	16.54	19.64	19.64	19.68		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.72	21.59	21.52	21.47	21.54	21.52	24.61	24.58	24.53	25.92	0.3908
60	1	160		21.46	21.52	21.24	21.59	21.52	21.34	24.54	24.53	24.30		
60	81	40		21.58	21.60	21.47	21.54	21.54	21.48	24.57	24.58	24.49		
60	1	0		19.74	19.68	19.59	19.49	19.57	19.54	22.63	22.64	22.58		
60	1	161		19.60	19.43	19.29	19.54	19.54	19.37	22.58	22.50	22.34		
60	162	0		20.05	20.09	19.93	20.03	20.10	19.98	23.05	23.11	22.97		
60	1	1	16-QAM	21.16	21.18	20.97	21.26	21.14	21.20	24.22	24.17	24.10	25.53	0.3573
60	1	1	64-QAM	19.70	19.69	19.60	19.42	19.40	19.39	22.57	22.56	22.51		
60	1	1	256-QAM	16.85	16.78	16.68	16.41	16.42	16.50	19.65	19.61	19.60		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	21.80	21.71	21.70	21.38	21.50	21.50	24.61	24.62	24.61	25.93	0.3917
70	1	187		21.57	21.49	21.33	21.36	21.44	21.29	24.48	24.48	24.32		
70	95	47		21.42	21.44	21.46	21.33	21.60	21.67	24.39	24.53	24.58		
70	1	0		19.74	19.73	19.63	19.38	19.50	19.57	22.57	22.63	22.61		
70	1	188		19.37	19.40	19.30	19.32	19.55	19.35	22.36	22.49	22.34		
70	189	0		20.02	20.06	19.96	19.85	19.99	20.13	22.95	23.04	23.06		
70	1	1	16-QAM	21.42	21.02	21.05	21.14	21.12	21.23	24.29	24.08	24.15	25.60	0.3631
70	1	1	64-QAM	19.74	19.65	19.51	19.32	19.42	19.45	22.55	22.55	22.49		
70	1	1	256-QAM	17.00	16.75	16.74	16.43	16.45	16.54	19.73	19.61	19.65		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	21.66	21.54	21.64	21.37	21.29	21.60	24.53	24.43	24.63	25.94	0.3926
80	1	215		21.41	21.35	21.41	21.39	21.38	21.35	24.41	24.38	24.39		
80	109	54		21.54	21.53	21.42	21.53	21.47	21.50	24.55	24.51	24.47		
80	1	0		19.66	19.65	19.71	19.47	19.43	19.44	22.58	22.55	22.59		
80	1	216		19.44	19.38	19.40	19.46	19.29	19.39	22.46	22.35	22.41		
80	217	0		20.09	19.93	19.94	20.00	20.08	19.95	23.06	23.02	22.96		
80	1	1	16-QAM	21.17	20.96	20.98	21.17	21.09	20.82	24.18	24.04	23.91	25.49	0.354
80	1	1	64-QAM	19.87	19.75	19.70	19.37	19.31	19.39	22.64	22.55	22.56		
80	1	1	256-QAM	16.80	16.84	16.73	16.48	16.49	16.46	19.65	19.68	19.61		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
90	1	1	QPSK	21.75	21.74	21.57	21.34	21.34	21.36	24.56	24.55	24.48	25.93	0.3917
90	1	243		21.32	21.46	21.43	21.44	21.38	21.39	24.39	24.43	24.42		
90	123	61		21.38	21.52	21.62	21.48	21.56	21.60	24.44	24.55	24.62		
90	1	0		19.73	19.71	19.66	19.44	19.36	19.57	22.60	22.55	22.63		
90	1	244		19.51	19.50	19.52	19.45	19.47	19.57	22.49	22.50	22.56		
90	245	0		19.94	19.99	20.08	19.89	20.11	20.12	22.93	23.06	23.11		
90	1	1	16-QAM	21.12	21.21	21.03	21.24	21.17	21.13	24.19	24.20	24.09	25.51	0.3556
90	1	1	64-QAM	19.76	19.79	19.78	19.33	19.30	19.36	22.56	22.56	22.59		
90	1	1	256-QAM	16.79	16.72	16.74	16.48	16.48	16.41	19.65	19.61	19.59		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = 1.31 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
100	1	1	QPSK	-	21.85	-	-	21.34	-	-	24.61	-	25.92	0.3908
100	1	271		-	21.58	-	-	21.36	-	-	24.48	-		
100	137	68		-	21.50	-	-	21.53	-	-	24.53	-		
100	1	0		-	19.74	-	-	19.52	-	-	22.64	-		
100	1	272		-	19.50	-	-	19.48	-	-	22.50	-		
100	273	0		-	19.98	-	-	20.05	-	-	23.03	-		
100	1	1	16-QAM	-	21.16	-	-	21.04	-	-	24.11	-	25.42	0.3483
100	1	1	64-QAM	-	19.80	-	-	19.29	-	-	22.56	-		
100	1	1	256-QAM	-	16.79	-	-	16.32	-	-	19.57	-		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
10	1	1	QPSK	21.76	21.80	21.99	21.73	21.71	22.00	24.76	24.77	25.01	26.14	0.4111
10	1	22		21.66	21.76	22.16	21.91	21.90	21.94	24.80	24.84	25.06		
10	12	6		21.77	21.80	22.10	21.86	21.92	21.98	24.83	24.87	25.05		
10	1	0		19.81	19.79	20.01	19.96	19.97	20.05	22.90	22.89	23.04		
10	1	23		19.80	19.84	20.09	19.90	19.90	20.02	22.86	22.88	23.07		
10	24	0		20.39	20.34	20.54	20.27	20.46	20.47	23.34	23.41	23.52		
10	1	1	16-QAM	21.30	21.59	21.49	21.59	21.42	21.48	24.46	24.52	24.50	25.60	0.3631
10	1	1	64-QAM	19.76	19.82	20.00	19.77	19.94	20.15	22.78	22.89	23.09		
10	1	1	256-QAM	16.92	16.77	17.21	17.03	17.00	16.96	19.99	19.90	20.10		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
15	1	1	QPSK	21.86	22.03	22.19	21.92	22.00	21.99	24.90	25.03	25.10	26.28	0.4246
15	1	36		21.87	22.09	22.29	21.95	22.07	22.09	24.92	25.09	25.20		
15	19	9		21.88	21.81	22.07	21.99	22.05	22.11	24.95	24.94	25.10		
15	1	0		20.11	19.87	19.98	19.98	19.97	20.09	23.06	22.93	23.05		
15	1	37		20.06	20.09	20.10	19.95	20.12	20.19	23.02	23.12	23.16		
15	38	0		20.36	20.29	20.62	20.48	20.51	20.60	23.43	23.41	23.62		
15	1	1	16-QAM	21.42	21.32	21.52	21.40	21.24	21.64	24.42	24.29	24.59	25.67	0.369
15	1	1	64-QAM	19.99	19.87	20.04	20.03	19.94	20.06	23.02	22.92	23.06		
15	1	1	256-QAM	17.03	17.02	17.06	16.86	16.94	17.06	19.96	19.99	20.07		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	21.89	21.81	21.98	21.86	21.88	21.97	24.89	24.86	24.99	26.17	0.414
20	1	49		21.93	21.99	22.04	22.08	21.94	21.94	25.02	24.98	25.00		
20	25	12		21.81	21.89	22.13	22.04	21.95	22.02	24.94	24.93	25.09		
20	1	0		19.91	19.80	19.93	20.01	20.08	20.02	22.97	22.95	22.99		
20	1	50		19.93	19.88	20.12	19.96	20.02	19.86	22.96	22.96	23.00		
20	51	0		20.40	20.46	20.58	20.52	20.56	20.56	23.47	23.52	23.58		
20	1	1	16-QAM	21.30	21.25	21.54	21.71	21.68	21.70	24.52	24.48	24.63	25.71	0.3724
20	1	1	64-QAM	19.92	19.88	19.99	19.90	19.88	19.93	22.92	22.89	22.97		
20	1	1	256-QAM	17.08	17.03	17.12	16.91	16.93	16.94	20.01	19.99	20.04		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	21.95	21.98	22.20	22.00	22.14	22.13	24.99	25.07	25.18	26.28	0.4246
30	1	76		21.93	22.07	22.13	21.94	22.09	22.23	24.95	25.09	25.19		
30	39	19		21.90	21.87	22.16	21.98	22.09	22.22	24.95	24.99	25.20		
30	1	0		19.99	20.00	20.23	20.03	20.15	20.22	23.02	23.09	23.24		
30	1	77		19.91	20.06	20.25	20.00	20.05	20.19	22.97	23.07	23.23		
30	78	0		20.35	20.50	20.62	20.44	20.54	20.66	23.41	23.53	23.65		
30	1	1	16-QAM	21.42	21.49	21.64	21.58	21.74	21.85	24.51	24.63	24.76	25.84	0.3837
30	1	1	64-QAM	20.02	19.90	20.18	19.93	19.99	19.85	22.99	22.96	23.03		
30	1	1	256-QAM	17.18	17.01	17.27	17.02	16.95	17.11	20.11	19.99	20.20		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	22.07	21.94	22.07	22.18	22.17	22.12	25.14	25.07	25.11	26.27	0.4236
40	1	104		21.99	22.02	22.20	22.12	22.12	22.15	25.07	25.08	25.19		
40	53	26		21.93	21.84	22.01	22.09	22.08	22.07	25.02	24.97	25.05		
40	1	0		20.06	20.07	20.10	20.14	20.16	20.07	23.11	23.13	23.10		
40	1	105		20.05	20.13	20.16	20.12	20.11	20.11	23.10	23.13	23.15		
40	106	0		20.44	20.52	20.55	20.62	20.63	20.58	23.54	23.59	23.58		
40	1	1	16-QAM	21.54	21.53	21.59	21.78	21.78	21.85	24.67	24.67	24.73	25.81	0.3811
40	1	1	64-QAM	20.13	20.00	20.10	20.04	20.05	19.99	23.10	23.04	23.06		
40	1	1	256-QAM	17.22	17.14	17.19	17.05	17.01	17.12	20.15	20.09	20.17		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.76	21.71	21.67	21.73	21.80	21.64	24.76	24.77	24.67	25.93	0.3917
50	1	131		21.66	21.85	21.74	21.71	21.79	21.71	24.70	24.83	24.74		
50	67	33		21.72	21.77	21.74	21.72	21.90	21.78	24.73	24.85	24.77		
50	1	0		19.80	19.74	19.62	19.72	19.82	19.68	22.77	22.79	22.66		
50	1	132		19.65	19.85	19.80	19.80	19.80	19.71	22.74	22.84	22.77		
50	133	0		20.16	20.23	20.28	20.32	20.37	20.29	23.25	23.31	23.30		
50	1	1	16-QAM	21.26	21.16	20.97	21.49	21.47	21.29	24.39	24.33	24.14	25.47	0.3524
50	1	1	64-QAM	19.79	19.78	19.60	19.59	19.64	19.53	22.70	22.72	22.58		
50	1	1	256-QAM	16.90	16.80	16.71	16.53	16.77	16.60	19.73	19.80	19.67		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.78	21.66	21.63	21.70	21.88	21.82	24.75	24.78	24.74	25.93	0.3917
60	1	160		21.65	21.73	21.99	21.79	21.80	21.67	24.73	24.78	24.84		
60	81	40		21.57	21.70	21.78	21.81	21.82	21.89	24.70	24.77	24.85		
60	1	0		19.79	19.75	19.76	19.85	19.78	19.74	22.83	22.78	22.76		
60	1	161		19.66	19.73	19.81	19.81	19.80	19.75	22.75	22.78	22.79		
60	162	0		20.21	20.23	20.31	20.39	20.42	20.42	23.31	23.34	23.38		
60	1	1	16-QAM	21.15	21.16	21.26	21.50	21.64	21.50	24.34	24.42	24.39	25.50	0.3548
60	1	1	64-QAM	19.73	19.69	19.71	19.68	19.68	19.68	22.72	22.70	22.71		
60	1	1	256-QAM	16.90	16.86	16.73	16.63	16.71	16.72	19.78	19.80	19.74		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
70	1	1	QPSK	21.91	21.82	21.86	21.86	21.79	21.83	24.90	24.82	24.86	26.08	0.4055
70	1	187		21.82	21.97	22.01	21.87	21.72	21.83	24.86	24.86	24.93		
70	95	47		21.57	21.63	21.92	21.81	21.88	22.05	24.70	24.77	25.00		
70	1	0		19.90	19.86	19.75	19.80	19.79	19.85	22.86	22.84	22.81		
70	1	188		19.62	19.79	20.13	19.69	19.77	19.97	22.67	22.79	23.06		
70	189	0		20.15	20.27	20.30	20.32	20.38	20.43	23.25	23.34	23.38		
70	1	1	16-QAM	21.21	21.28	21.24	21.20	21.51	21.69	24.22	24.41	24.48	25.56	0.3597
70	1	1	64-QAM	19.97	19.85	19.93	19.90	19.77	19.89	22.95	22.82	22.92		
70	1	1	256-QAM	16.92	16.92	16.91	16.75	16.76	16.88	19.85	19.85	19.91		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
80	1	1	QPSK	21.80	21.73	21.79	21.85	21.76	21.75	24.84	24.76	24.78	25.98	0.3963
80	1	215		22.08	21.84	21.99	21.66	21.68	21.78	24.89	24.77	24.90		
80	109	54		21.70	21.64	21.70	21.84	21.90	21.87	24.78	24.78	24.80		
80	1	0		19.81	19.81	19.95	19.87	19.77	19.84	22.85	22.80	22.91		
80	1	216		19.96	19.72	20.05	19.74	19.80	19.81	22.86	22.77	22.94		
80	217	0		20.23	20.31	20.34	20.40	20.40	20.37	23.33	23.37	23.37		
80	1	1	16-QAM	21.26	21.14	21.21	21.59	21.58	21.68	24.44	24.38	24.46	25.54	0.3581
80	1	1	64-QAM	19.87	19.83	19.83	19.80	19.67	19.76	22.85	22.76	22.81		
80	1	1	256-QAM	16.90	16.86	16.89	16.77	16.71	16.83	19.85	19.80	19.87		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
90	1	1	QPSK	21.88	21.77	21.73	21.87	21.78	21.73	24.89	24.79	24.74	26.06	0.4036
90	1	243		21.85	22.06	21.83	21.74	21.87	21.72	24.81	24.98	24.79		
90	123	61		21.71	21.65	21.81	21.81	21.86	21.92	24.77	24.77	24.88		
90	1	0		19.85	19.76	19.86	19.67	19.79	19.86	22.77	22.79	22.87		
90	1	244		19.89	19.95	19.82	19.86	19.85	19.80	22.89	22.91	22.82		
90	245	0		20.25	20.28	20.36	20.29	20.35	20.47	23.28	23.33	23.43		
90	1	1	16-QAM	21.32	21.35	21.24	21.53	21.46	21.91	24.44	24.42	24.60	25.68	0.3698
90	1	1	64-QAM	19.83	19.85	19.87	19.72	19.69	19.75	22.79	22.78	22.82		
90	1	1	256-QAM	16.81	16.92	16.84	16.85	16.66	16.68	19.84	19.80	19.77		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = 1.08 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 8			Antenna 9			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
100	1	1	QPSK	-	21.74	-	-	21.74	-	-	24.75	-	26.06	0.4036
100	1	271		-	22.08	-	-	21.85	-	-	24.98	-		
100	137	68		-	21.70	-	-	21.91	-	-	24.82	-		
100	1	0		-	19.86	-	-	19.76	-	-	22.82	-		
100	1	272		-	20.02	-	-	19.86	-	-	22.95	-		
100	273	0		-	20.35	-	-	20.42	-	-	23.40	-		
100	1	1	16-QAM	-	21.38	-	-	21.41	-	-	24.41	-	25.49	0.354
100	1	1	64-QAM	-	19.92	-	-	19.76	-	-	22.85	-		
100	1	1	256-QAM	-	16.92	-	-	16.72	-	-	19.83	-		
Limit	EIRP < 1W			Result									Pass	



FR1 n5

Peak-to-Average Ratio

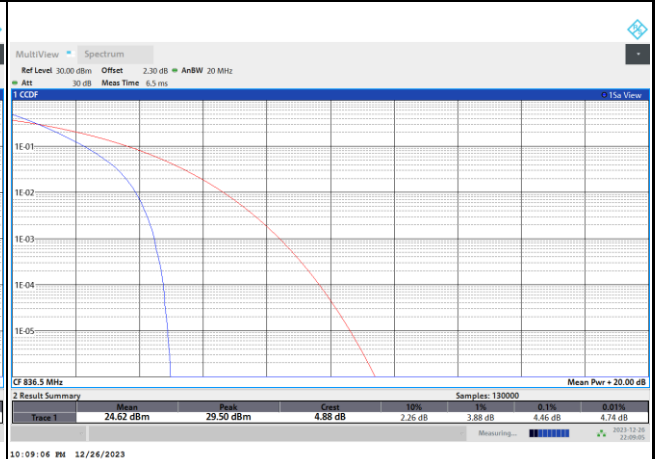
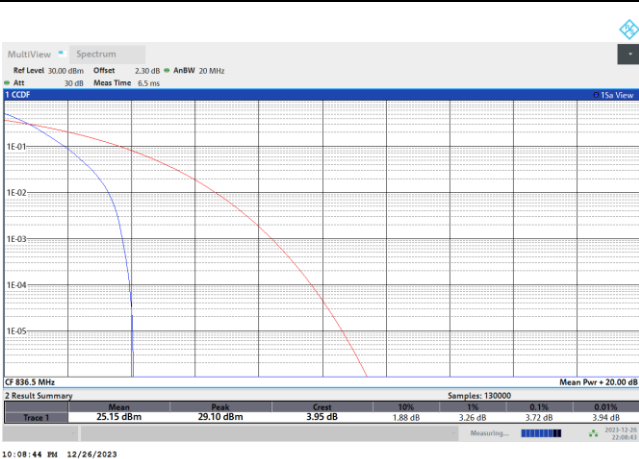
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.72	4.46	5.36	5.68	PASS
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.30				PASS



FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

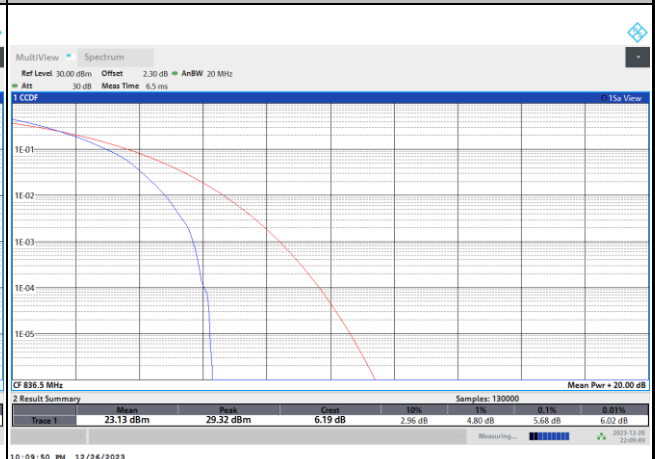
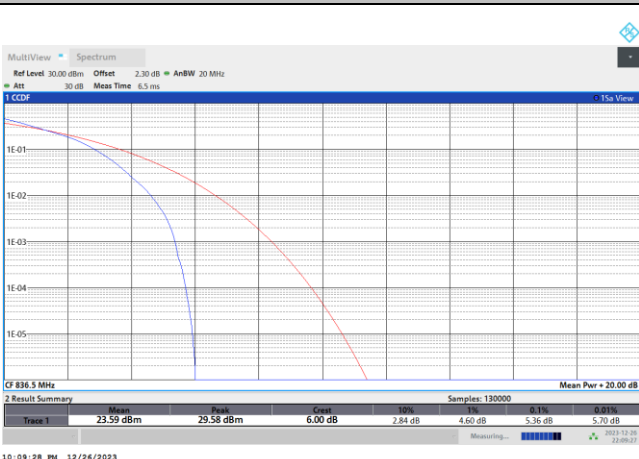
PI/2 BPSK

QPSK

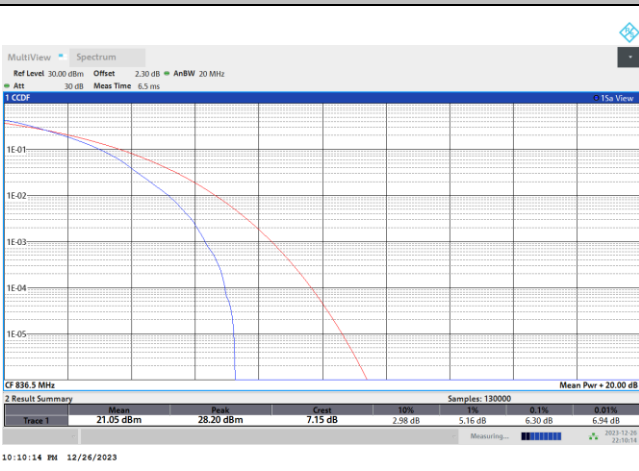


16QAM

64QAM



256QAM





26dB Bandwidth

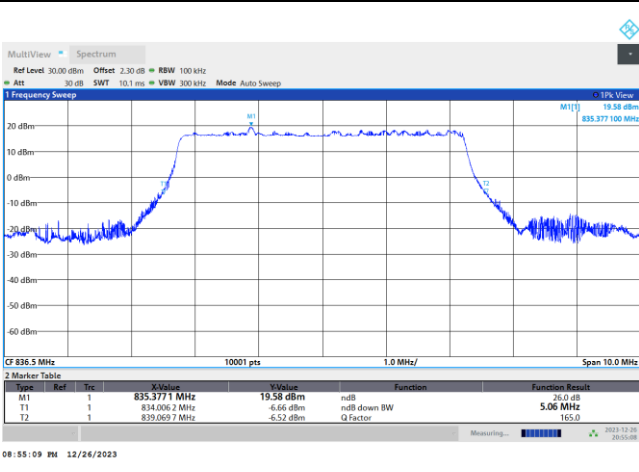
Mode	FR1 n5 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.06		9.76		14.42		19.27	

Mode	FR1 n5 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.24	5.25	10.31	10.19	15.19	15.30	20.48	20.43
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.11	5.15	10.11	10.23	15.23	15.15	20.33	20.34



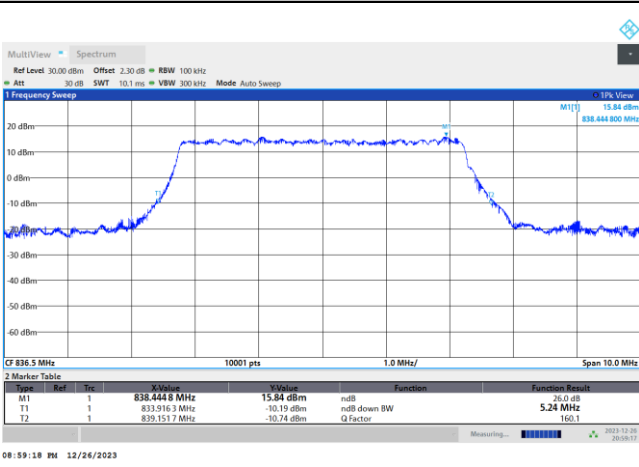
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

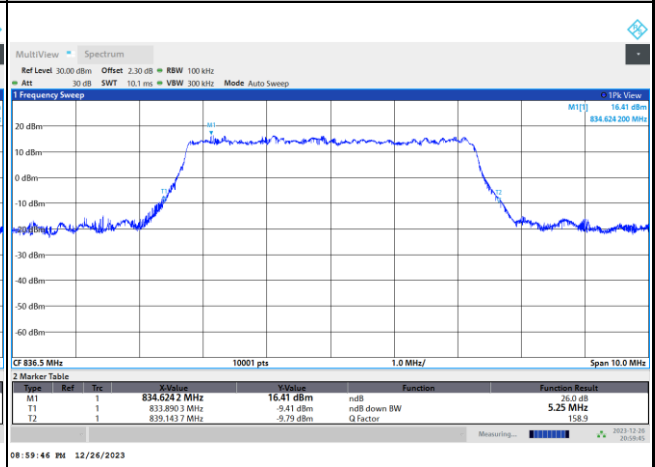


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

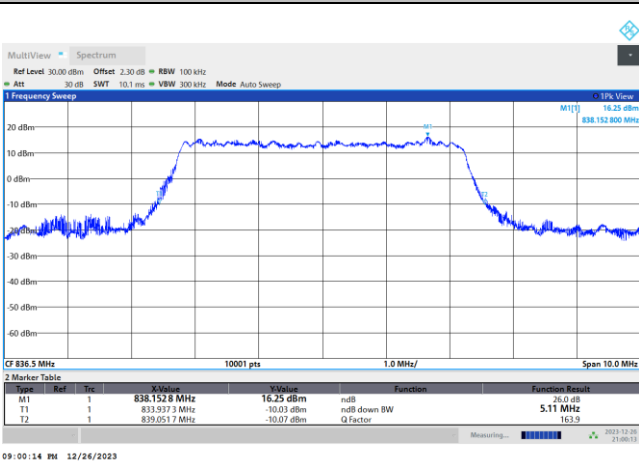
QPSK



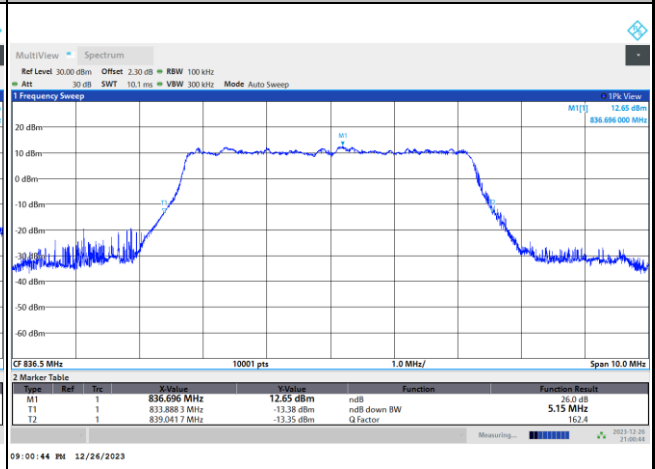
16QAM



64QAM



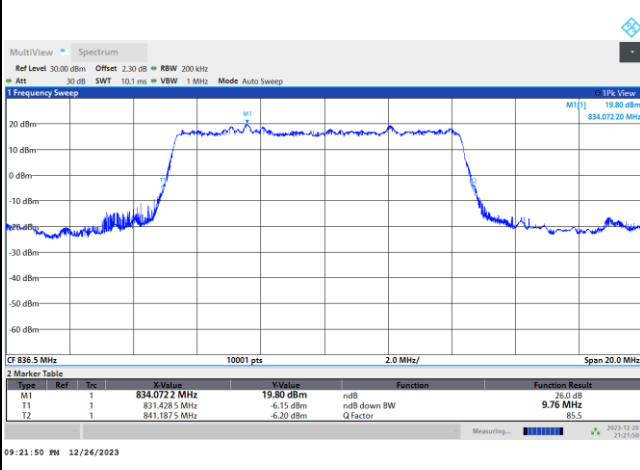
256QAM





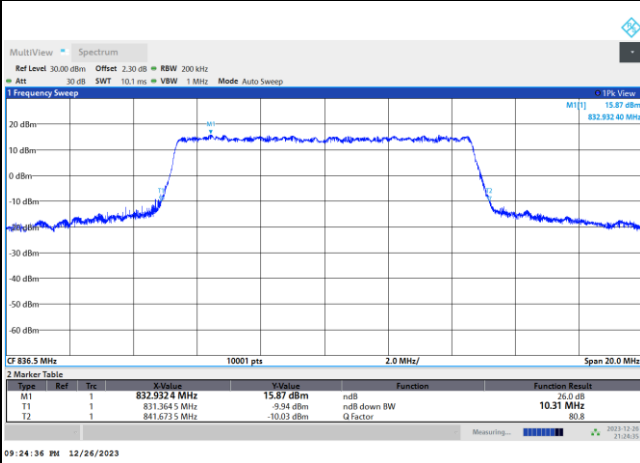
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

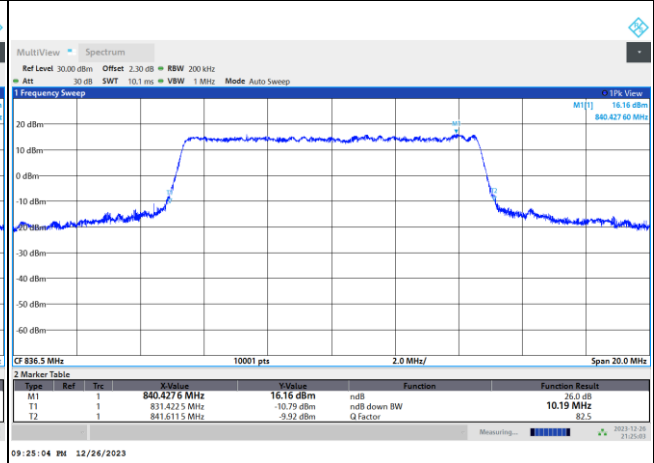


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

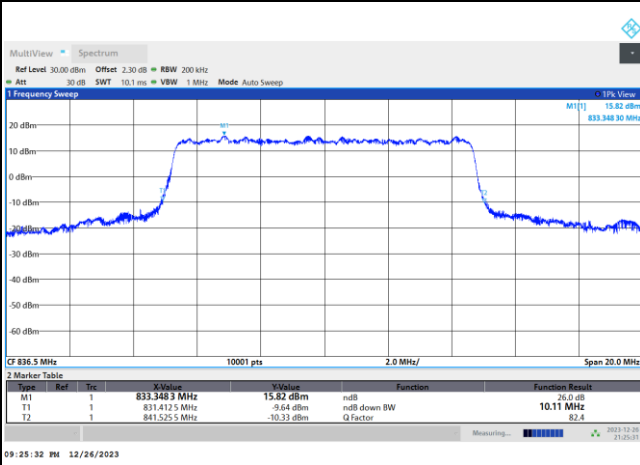
QPSK



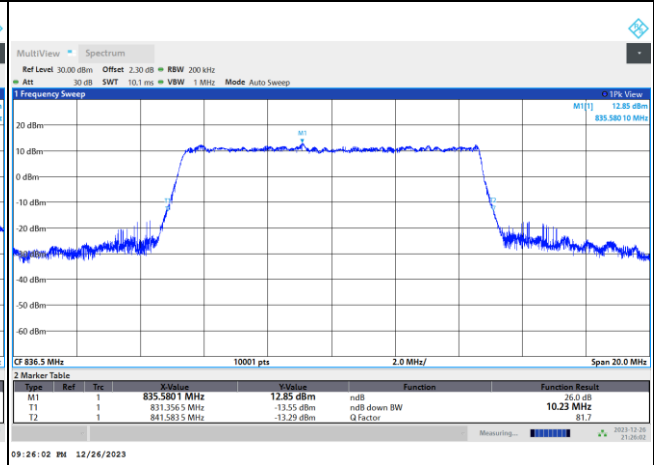
16QAM



64QAM



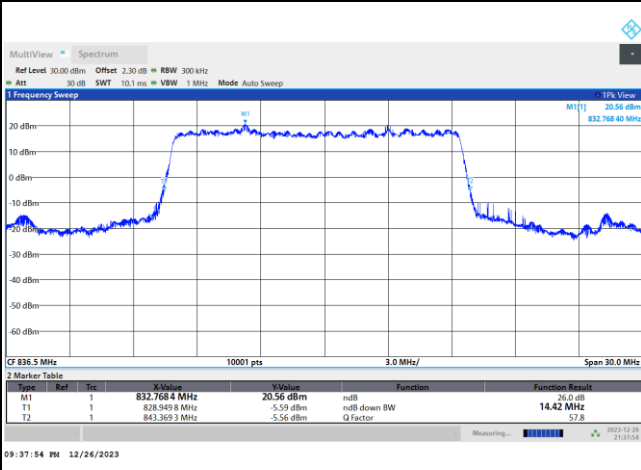
256QAM





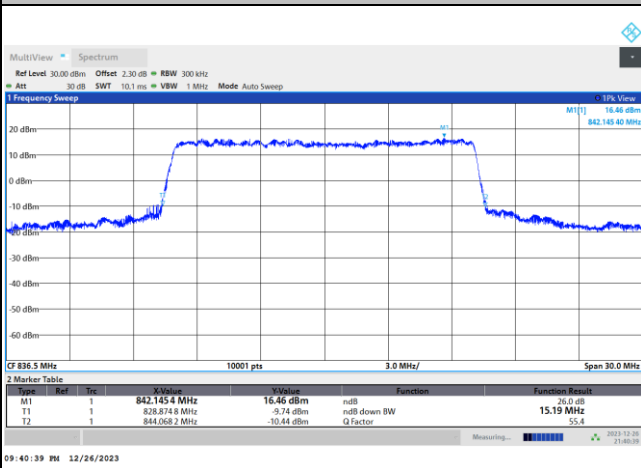
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

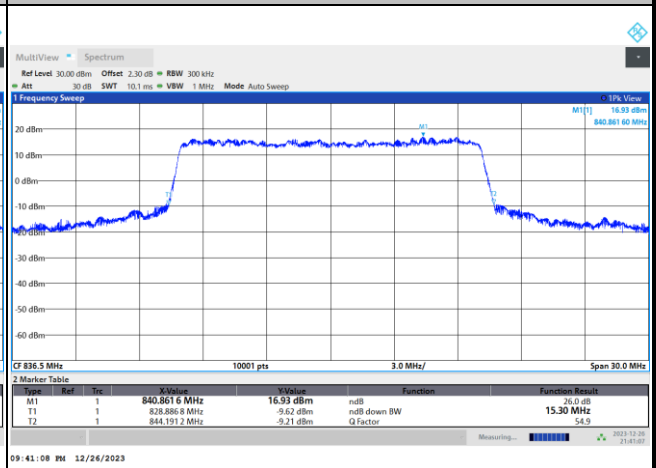


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

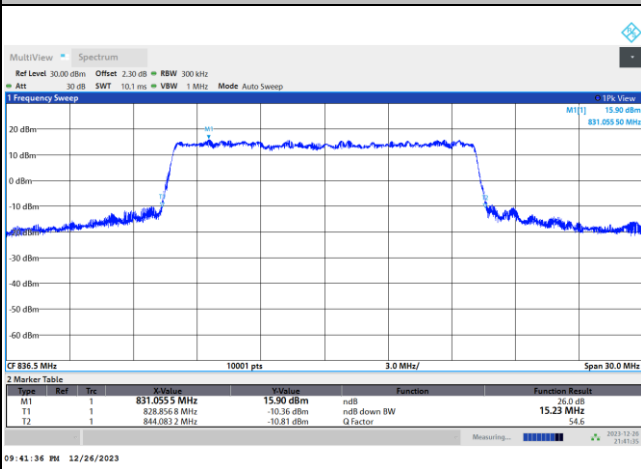
QPSK



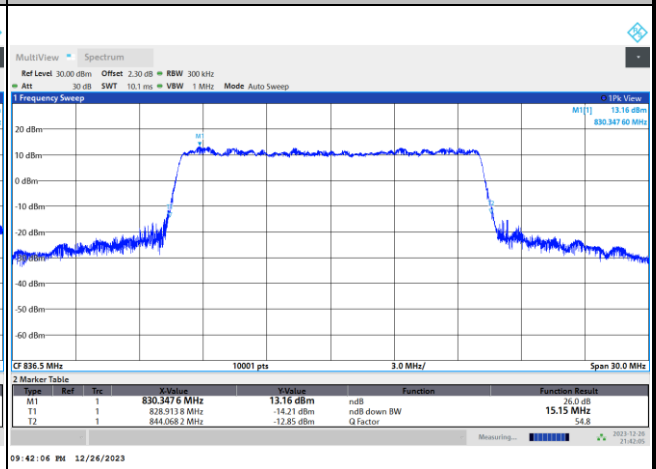
16QAM



64QAM



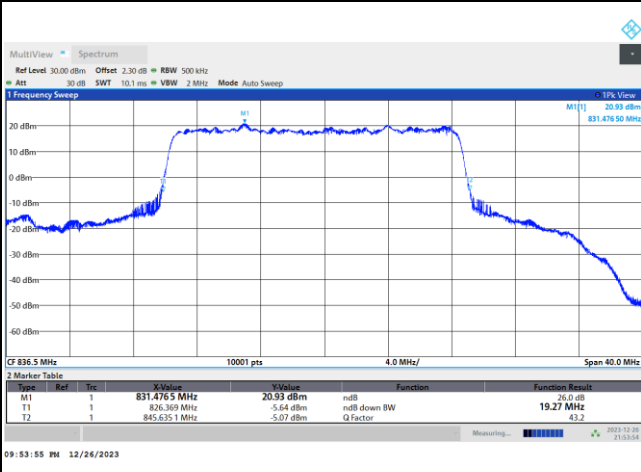
256QAM





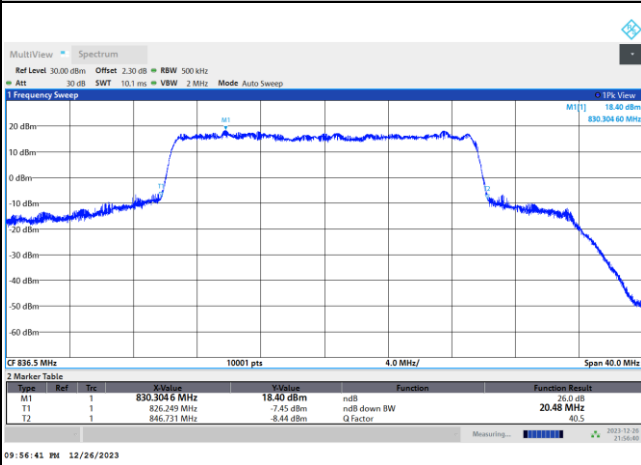
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

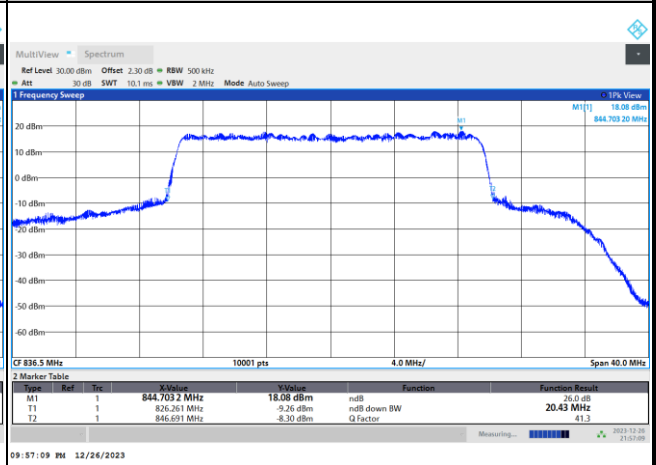


FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB

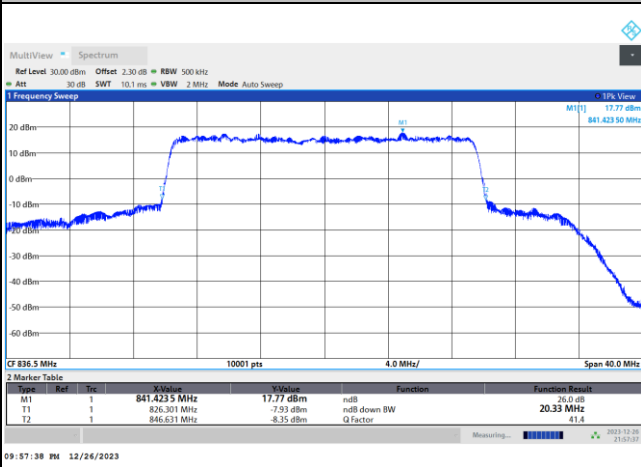
QPSK



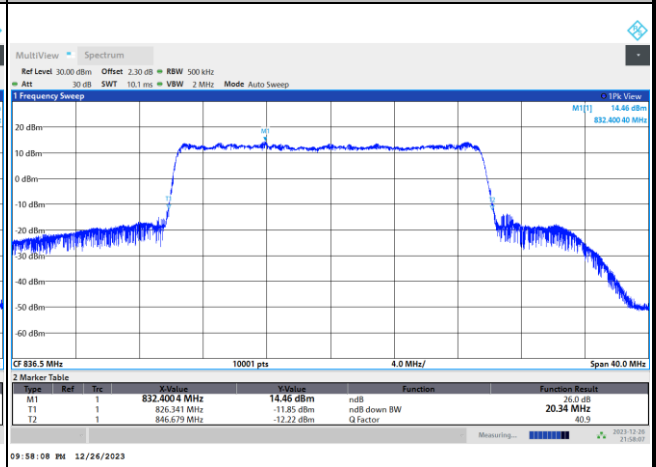
16QAM



64QAM



256QAM





Occupied Bandwidth

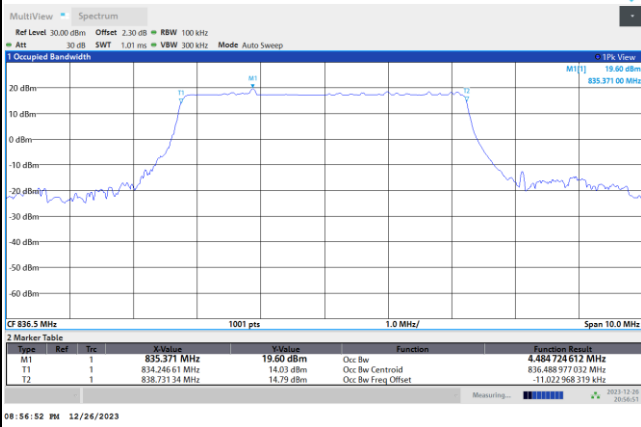
Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.48		8.99		13.47		18.01	

Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.52	4.55	9.34	9.34	14.18	14.20	19.04	19.10
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.53	9.33	9.35	14.22	14.16	19.06	19.12



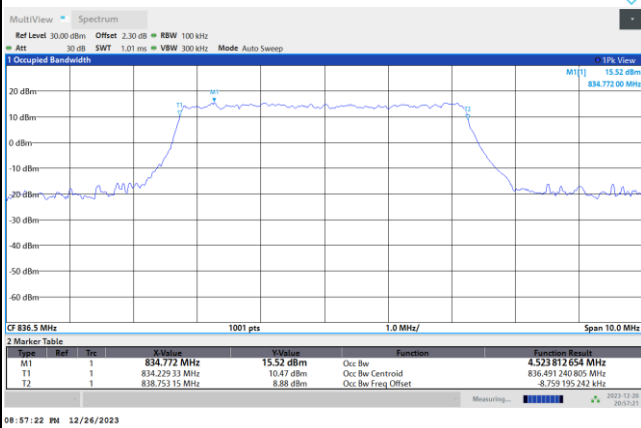
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

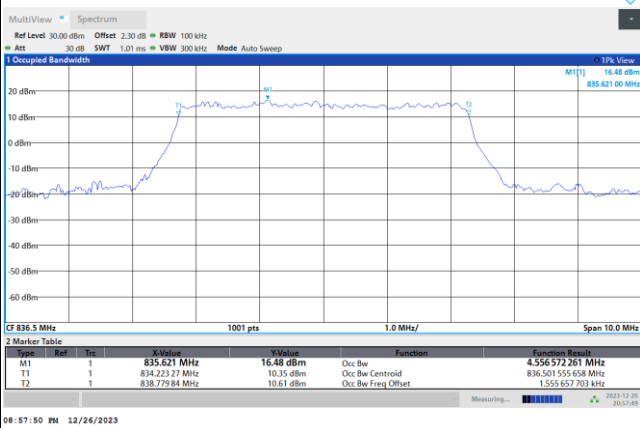


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

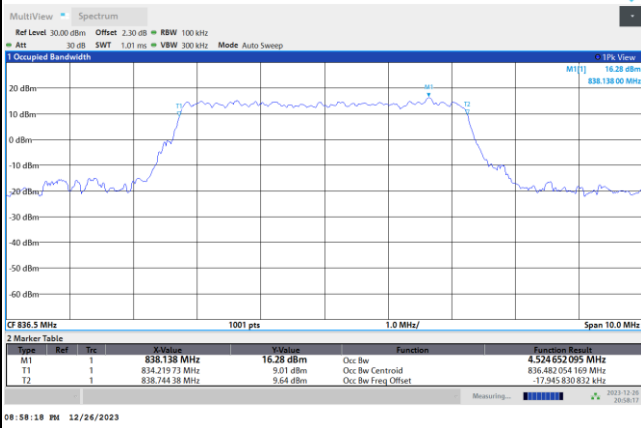
QPSK



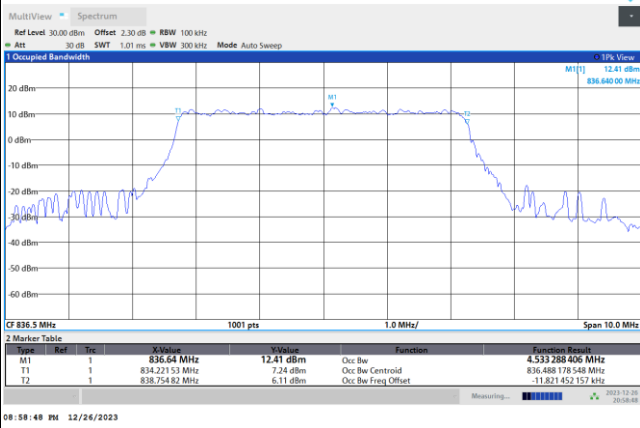
16QAM



64QAM



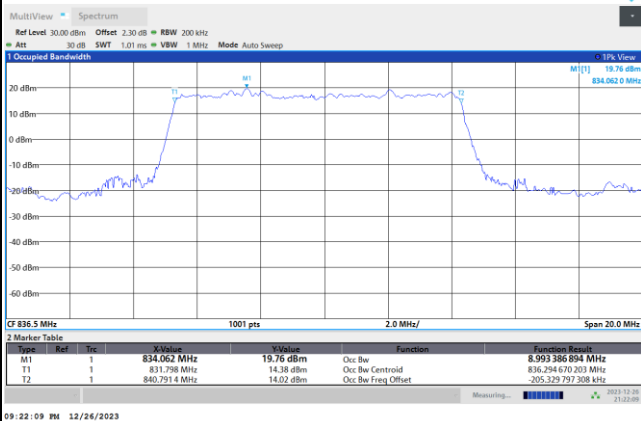
256QAM





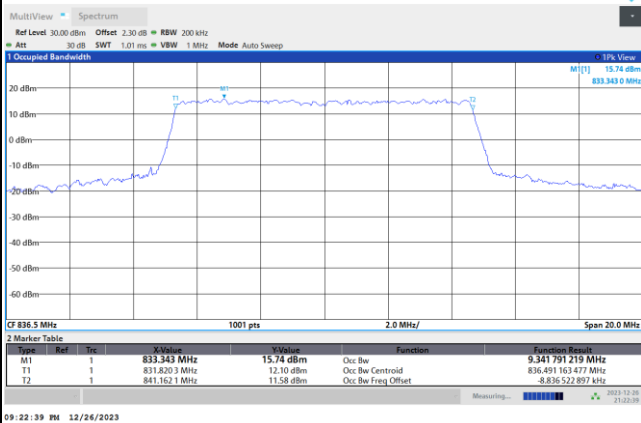
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

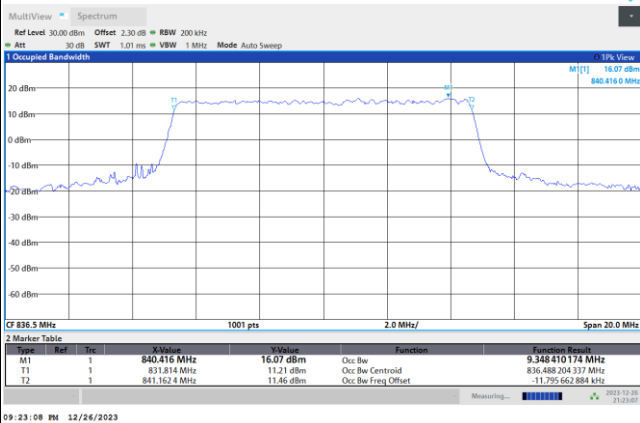


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

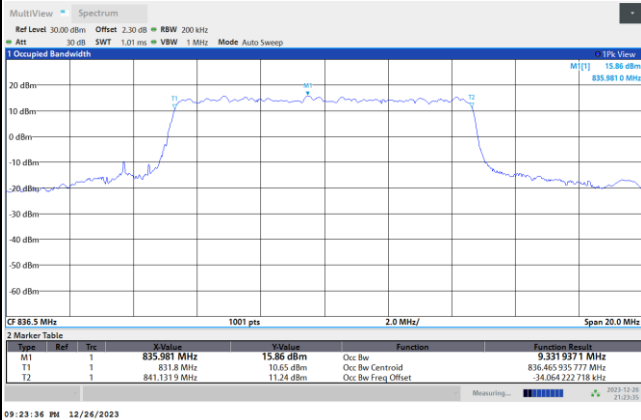
QPSK



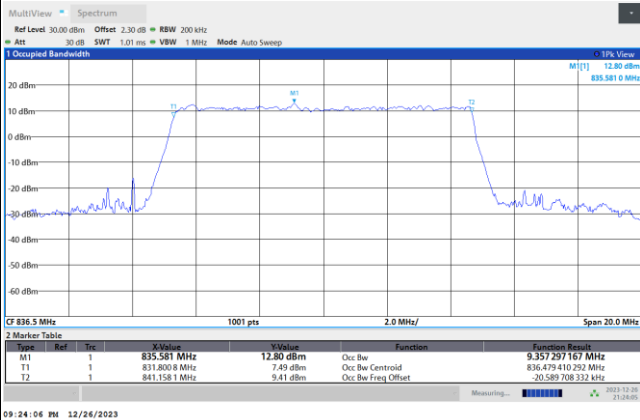
16QAM



64QAM



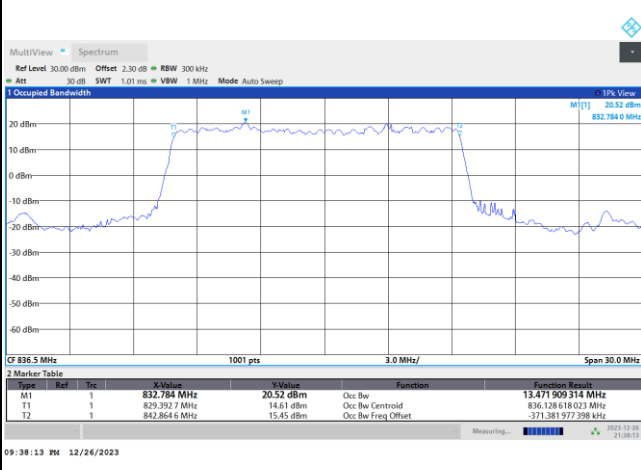
256QAM





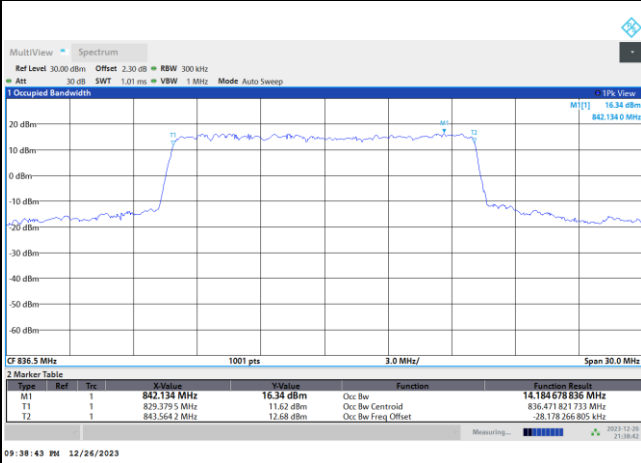
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

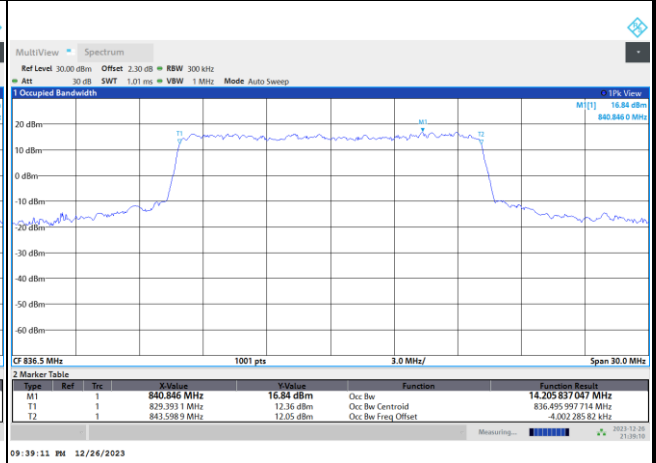


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

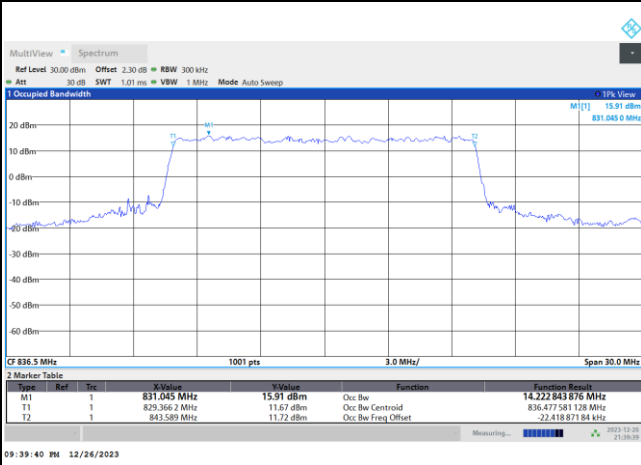
QPSK



16QAM



64QAM



256QAM

