



FCC RADIO TEST REPORT

FCC ID : U4G-SGVNRNA
Equipment : Mobile Computer/Barcode Reader
Brand Name : Datalogic
Model Name : SGVNRNA
Applicant : Datalogic S.r.l.
Via San Vitalino 13, 40012 Lippo di
Calderara di Reno (BO) – Italy
Manufacturer : Datalogic S.r.l.
Via San Vitalino 13, 40012 Lippo di
Calderara di Reno (BO) – Italy
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27,
Part 90(R), Part 90(S)

The product was received on Apr. 29, 2024 and testing was performed from Apr. 29, 2024 to Jul. 10, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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



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Appendix A. Test Results of Conducted Test

Appendix B. Test Results of Radiated Test

Appendix C. Test Setup Photographs



History of this test report

Report No.	Version	Description	Issue Date
FG440146C	01	Initial issue of report	Jul. 02, 2024
FG440146C	02	Revise Appendix B This report is an updated version, replacing the report issued on Jul. 02, 2024.	Jul. 09, 2024
FG440146C	03	Revise Test Mode, List of Measuring Equipment and Appendix A This report is an updated version, replacing the report issued on Jul. 09, 2024.	Jul. 11, 2024
FG440146C	04	Revise Appendix A This report is an updated version, replacing the report issued on Jul. 11, 2024.	Jul. 11, 2024



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (n5) (n26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (n12) (n13)		
	§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)		
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (n77) (n78)		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (n77) (n78)		
	§90.542 (a)(7)	Effective Radiated Power (n14)		
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)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n38) (n41)		
	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measurement (n77) (n78)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77) (n78)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (n30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (n14)		



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)		
3.7	§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)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n38) (n41)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77) (n78)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77) (n78)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (n30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (n14)		
3.8	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	-
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)	Pass	16.65 dB under the limit at 1587.00 MHz
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		
	§2.1053 §27.53 (l)(2)	Radiated Spurious Emission (n77) (n78)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77) (n78)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (n30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (n14)		



Conformity Assessment Condition:
<ol style="list-style-type: none">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/manufacturee 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:
<ol style="list-style-type: none">1. 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.2. The purpose of different equipment name is for marketing segmentation.

Reviewed by: Wei Chen

Report Producer: Clio Lo



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx, and GNSS.	
Antenna Type WWAN: <Ant. 0>: Loop Antenna <Ant. 1>: Loop Antenna <Ant. 2+3>: Coupling monopole Antenna <Ant. 4>: PIFA Antenna <Ant. 5>: PIFA Antenna <Ant. 6>: Loop Antenna <Ant. 7>: Monopole Antenna WLAN: <Ant. 8>: Coupling monopole Antenna <Ant. 9>: Loop Antenna Bluetooth: Coupling monopole Antenna GPS/Glonass/BDS/Galileo: Coupling monopole Antenna NFC: Loop Antenna WPC Rx: Single Coil Antenna	
Sample 1	scan (Argon)
Sample 2	scan (Xenon)
HW Version	DVT2
SW Version	dl4490_gms-userdebug_1.04.001.20240520_a13_qfil_fastboot



Product Feature	
Antenna Gain	<p><Ant. 0> n5: -2.31 dBi n12: -2.02 dBi n13: -1.92 dBi n14: -2.31 dBi n26: -2.31 dBi</p> <p><Ant. 1> n2: 0.61 dBi n7: -2.31 dBi n25: 0.61 dBi n30: -0.50 dBi n38: -1.60 dBi n41: -1.60 dBi n66: 1.31 dBi</p> <p><Ant. 4> n77: 0.34 dBi for Part27O n78: 0.14 dBi for Part27O n77: -0.96 dBi for Part27Q n78: -0.96 dBi for Part27Q</p> <p><Ant. 5> n77: -0.64 dBi for Part27O n78: -0.64 dBi for Part27O n77: -0.23 dBi for Part27Q n78: -0.23 dBi for Part27Q</p> <p><Ant. 6> n77: 0.00 dBi for Part27O n78: -0.28 dBi for Part27O n77: -0.02 dBi for Part27Q n78: -0.02 dBi for Part27Q</p> <p><Ant. 7> n77: -0.30 dBi for Part27O n78: -0.60 dBi for Part27O n77: -0.13 dBi for Part27Q n78: -0.13 dBi for Part27Q</p>

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



EUT Information List		
S/N	P/N	Performed Test Item
68bc07bd	944850003	Conducted Measurement ERP/EIRP
V24D00512	944850003	Radiated Spurious Emission
V24D00148	944850006	

Support band and evaluated information	
Supported band	n2, n5, n7, n12, n13, n14, n25 ,n26, n30, n38, n41, n66 ,n77, n78
Evaluated and Tested band	n7, n12, n13, n14, n25 ,n26, n30, n38, n41, n66 ,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"/> n26 cover n5 (Part 22) <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	
N25	V	
N26	V	
N30	V	
N38	V	
N41	V	
N66	V	
N77	V	V
N78	V	V

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Jimmy Cheng and George Chen
Temperature (°C)	20~24
Relative Humidity (%)	50~56

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH15-HY (TAF Code: 3786)
Test Engineer	Daniel Lee, Quentin Liu and Bigshow Wang
Temperature (°C)	21~25.7
Relative Humidity (%)	48~57
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 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.

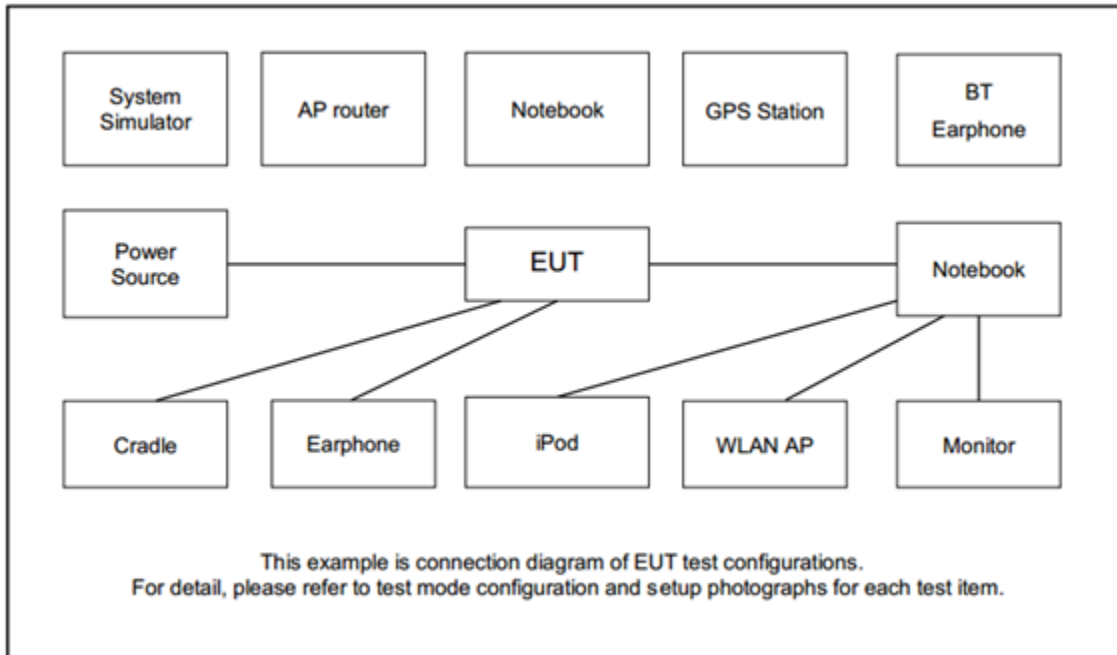
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E, F, G, H, I	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E, F, G, H, I	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E, F, G, H, I	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, G, H, I	All	Outer_1RB Outer_Full	L, H
CSE	B,F	Minimum	Inner_1RB	L, M, H
Frequency Stability	A,F	20 MHz or less	Outer_Full	M
RSE	A,F	Maximum or less	Inner_1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. One representative bandwidth is selected to perform PAR
4. Device 5G NR support SA &NSA Mode, are verified and the worst case is SA mode. Therefore, the report only performed SA test results.
5. 5G NR N77/78 support SA mode Antenna 7 and NSA mode Antenna 6, MIMO mode Antenna 6+7 . Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 6, Antenna 7, Antenna 6+7. Therefore, the report only performed Antenna 6&7 test results.
6. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adapter mode is the worst case for the official test.
7. The worst-case SISO EIRP occurs in DFTs mode, while the worst-case MIMO EIRP occurs in CP mode.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	5G Wireless Test Platform	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

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
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



5G NR n26 Channel and Frequency List (Part22H)				
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 (Part90S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	163800	-
	Frequency	-	819	-
5	Channel	163300	163800	164300
	Frequency	816.5	819	821.5

5G NR n26 Straddle Channel and Frequency List (Part 90S)				
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
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
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
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
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
25	Channel	344500	349000	353500
	Frequency	1722.5	1745	1767.5
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5



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



5G NR n78 (Part270) 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
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99



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



5G NR n78 (Part27Q) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540

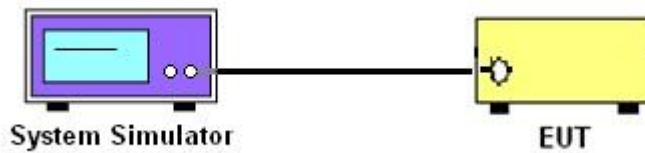
3 Conducted Test Items

3.1 Measuring Instruments

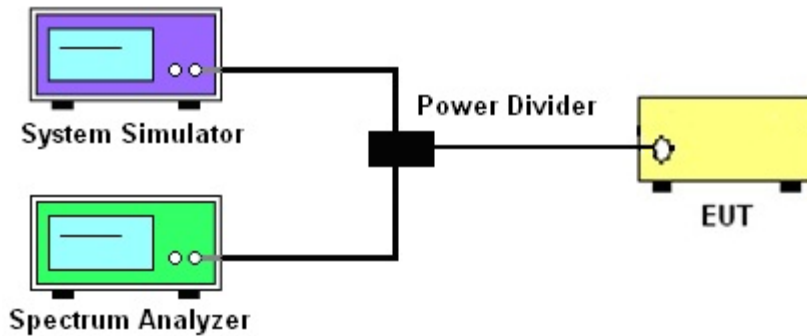
See list of measuring instruments of this test report.

3.1.1 Test Setup

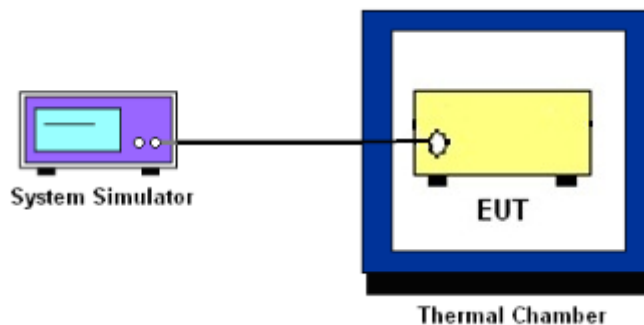
3.1.2 Conducted Output Power



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 power 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

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, n77, 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

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (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(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.

27.53 (a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz.
- (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz.
- (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.



27.53 (l)(2)

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

27.53 (n)(2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

90.543(e)

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



3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For 5G NR n14

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

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. For MIMO mode, add additional MIMO factor $10\log(\text{NTX}=2) = 3.01\text{dB}$ into the spectrum analyzer offset.



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

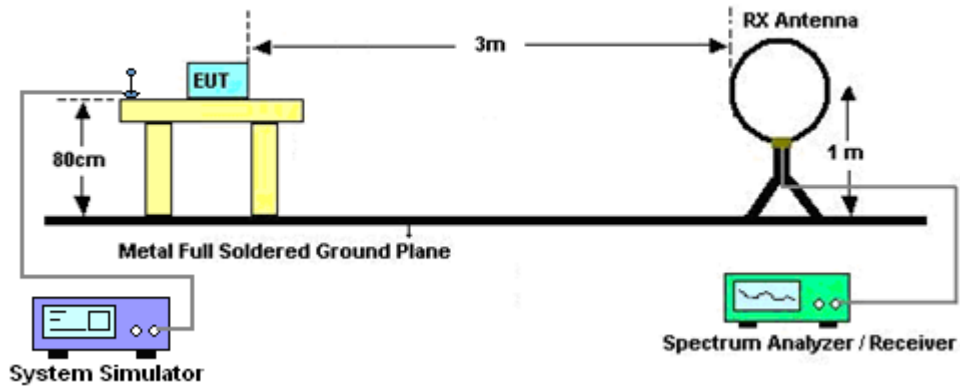
4 Radiated Test Items

4.1 Measuring Instruments

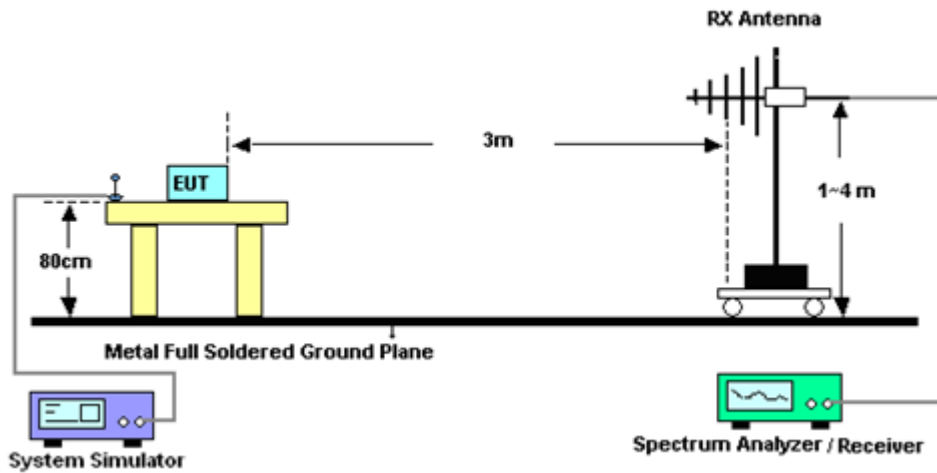
See list of measuring instruments of this test report.

4.1.1 Test Setup

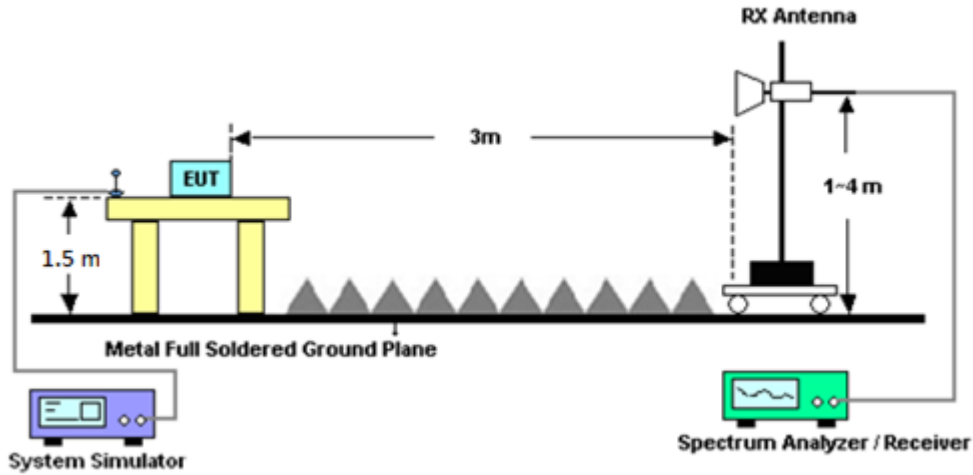
For radiated test below 30MHz



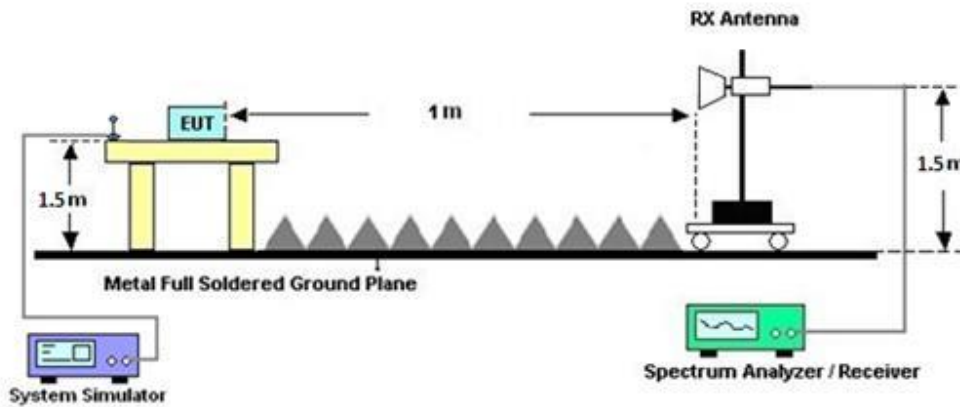
For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

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



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB

For 5G NR 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.

For 5G NR n13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For 5G NR n30

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

For 5G NR n14

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

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.



4.2.2 Test Procedures

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

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	May 07, 2024~ Jun. 11, 2024	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 04, 2024	May 07, 2024~ Jun. 11, 2024	Feb. 03, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-0229 4	1GHz~18GHz	Jun. 30, 2023	May 07, 2024~ May 23, 2024	Jun. 29, 2024	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-0203 8	1GHz~18GHz	Jul. 31, 2023	May 24, 2024~ Jun. 11, 2024	Jul. 30, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	May 07, 2024~ May 24, 2024	Jul. 09, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	993	18GHz~40GHz	Nov. 24, 2023	May 07, 2024~ Jun. 11, 2024	Nov. 23, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 25, 2023	May 07, 2024~ Jun. 11, 2024	Dec. 24, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 15, 2024	May 07, 2024~ Jun. 11, 2024	Feb. 14, 2025	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 29, 2024	May 07, 2024~ Jun. 11, 2024	Feb. 28, 2025	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	May 07, 2024~ Jun. 11, 2024	Dec. 06, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Oct. 06, 2023	May 07, 2024~ Jun. 11, 2024	Oct. 05, 2024	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	May 07, 2024~ Jun. 11, 2024	Jul. 05, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	May 07, 2024~ Jun. 11, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	May 07, 2024~ Jun. 11, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	May 07, 2024~ Jun. 11, 2024	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,80 3950/2	N/A	Jun. 13, 2023	May 07, 2024~ Jun. 11, 2024	Jun. 12, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,80 4012/2	18-40G	Jan. 02, 2024	May 07, 2024~ Jun. 11, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-1080-12 00-15000-60ST	SN5	1.2GHz High Pass Filter	Jun. 14, 2023	May 07, 2024~ Jun. 11, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-30 00-18000-60ST	SN4	3GHz High Pass Filter	Jun. 14, 2023	May 07, 2024~ Jun. 11, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-30 00-18000-60ST	SN4	3GHz High Pass Filter	Jun. 14, 2023	May 07, 2024~ Jun. 11, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	May 07, 2024~ Jun. 11, 2024	Jul. 25, 2024	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
DC Power Supply	GW Instek	GPE2323	GEU871221	0V~64V ;0A~6A	Apr. 09, 2024	Apr. 29, 2024~ Jul. 10, 2024	Apr. 08, 2025	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101544	10Hz~44GHz	Jul. 25, 2023	Apr. 29, 2024~ Jul. 10, 2024	Jul. 24, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40°C ~90°C	Sep. 04, 2023	Apr. 29, 2024~ Jul. 10, 2024	Sep. 03, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6261849015	LTE	Nov. 17, 2023	Apr. 29, 2024~ Jul. 10, 2024	Nov. 16, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262186342	FR1	Nov. 14, 2023	Apr. 29, 2024~ Jul. 10, 2024	Nov. 13, 2024	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jul. 01, 2023	Apr. 29, 2024~ Jun. 29, 2024	Jun. 30, 2024	Conducted (TH03-HY)
Hygrometer	Testo	608-H1	34893241	NA	Mar. 14, 2024	Apr. 29, 2024~ Jul. 10, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSW43	101456	RBW 50MHz	Feb. 19, 2024	Apr. 29, 2024~ Jul. 10, 2024	Feb. 18, 2025	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2023	Apr. 29, 2024~ Jun. 11, 2024	Jun. 12, 2024	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Jun. 13, 2024~ Jul. 10, 2024	Jun. 12, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_ 20231106	N/A	Conducted Test Item	N/A	Apr. 29, 2024~ Jul. 10, 2024	N/A	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.02 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.57 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.97 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 = 0.61 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.01	24.19	23.94	24.81	0.3027		
5	1	23		23.87	24.12	23.81				
5	12	6		24.03	24.16	23.89				
5	1	0		23.54	23.65	23.48				
5	1	24		23.43	23.57	23.40				
5	25	0		23.56	23.68	23.50				
5	1	1	QPSK	24.00	24.20	23.94			24.81	0.3027
5	1	23		23.89	24.13	23.85				
5	12	6		23.97	24.11	23.89				
5	1	0		23.05	23.14	22.92				
5	1	24		22.96	23.09	22.76				
5	25	0		22.99	23.13	22.84				
5	1	1	16-QAM	23.00	23.13	22.86	23.74	0.2366		
5	1	1	64-QAM	21.78	21.83	21.70				
5	1	1	256-QAM	18.97	19.19	18.88				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 0.61 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.94	24.13	23.96	24.74	0.2979		
10	1	50		23.92	24.04	23.87				
10	25	12		23.95	24.09	23.93				
10	1	0		23.49	23.66	23.45				
10	1	51		23.38	23.50	23.34				
10	50	0		23.44	23.65	23.49				
10	1	1	QPSK	23.96	24.10	24.00			24.74	0.2979
10	1	50		23.85	24.07	23.85				
10	25	12		23.99	24.10	23.99				
10	1	0		23.01	23.10	23.01				
10	1	51		22.91	23.01	22.82				
10	50	0		22.94	23.03	22.90				
10	1	1	16-QAM	22.93	23.13	22.96	23.74	0.2366		
10	1	1	64-QAM	21.56	21.78	21.61				
10	1	1	256-QAM	18.97	19.04	18.95				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 0.61 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.99	24.06	23.98	24.75	0.2985		
15	1	77		23.96	24.06	23.84				
15	36	18		24.02	24.12	24.07				
15	1	0		23.53	23.61	23.51				
15	1	78		23.61	23.49	23.36				
15	75	0		23.52	23.65	23.53				
15	1	1	QPSK	24.05	24.05	24.00			24.75	0.2985
15	1	77		23.99	24.09	23.92				
15	36	18		24.00	24.14	24.04				
15	1	0		22.96	23.00	22.92				
15	1	78		22.97	23.05	22.87				
15	75	0		22.98	23.18	23.01				
15	1	1	16-QAM	22.91	22.98	22.98	23.59	0.2286		
15	1	1	64-QAM	21.62	21.55	21.64				
15	1	1	256-QAM	18.96	19.11	19.04				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 0.61 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.96	24.11	23.94	24.88	0.3076		
20	1	104		24.16	24.11	23.91				
20	50	25		24.10	24.27	24.08				
20	1	0		23.47	23.61	23.60				
20	1	105		23.56	23.61	23.38				
20	100	0		23.58	23.75	23.62				
20	1	1	QPSK	23.91	24.09	23.96			24.88	0.3076
20	1	104		24.12	24.17	23.84				
20	50	25		23.95	24.20	24.06				
20	1	0		22.97	23.08	22.98				
20	1	105		23.01	23.11	22.85				
20	100	0		23.11	23.15	22.99				
20	1	1	16-QAM	22.84	23.03	22.92	23.64	0.2312		
20	1	1	64-QAM	21.51	21.74	21.67				
20	1	1	256-QAM	18.86	19.09	19.00				
Limit	EIRP < 2W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.13	24.31	24.20	19.85	0.0966
5	1	23		24.11	24.29	24.14		
5	12	6		24.05	24.19	24.20		
5	1	0		23.57	23.76	23.74		
5	1	24		23.58	23.85	23.63		
5	25	0		23.61	23.69	23.71		
5	1	1	QPSK	24.15	24.28	24.30		
5	1	23		24.12	24.29	24.19		
5	12	6		24.01	24.21	24.15		
5	1	0		23.12	23.25	23.28		
5	1	24		23.12	23.33	23.15		
5	25	0		23.08	23.23	23.17		
5	1	1	16-QAM	23.16	23.23	23.24	18.78	0.0755
5	1	1	64-QAM	21.85	21.95	21.90		
5	1	1	256-QAM	19.17	19.20	19.14		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.09	24.14	24.25	19.82	0.0959
10	1	50		24.14	24.21	24.18		
10	25	12		24.14	24.18	24.24		
10	1	0		23.58	23.66	23.74		
10	1	51		23.59	23.76	23.58		
10	50	0		23.56	23.72	23.84		
10	1	1	QPSK	24.09	24.18	24.21		
10	1	50		24.04	24.27	24.17		
10	25	12		24.06	24.21	24.28		
10	1	0		23.07	23.08	23.22		
10	1	51		23.08	23.23	23.11		
10	50	0		23.13	23.23	23.20		
10	1	1	16-QAM	23.03	23.03	23.18	18.72	0.0745
10	1	1	64-QAM	21.77	21.83	21.87		
10	1	1	256-QAM	19.10	19.13	19.14		
Limit	ERP < 7W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.08	24.17	24.20	19.92	0.0982
15	1	77		24.19	24.34	24.24		
15	36	18		24.18	24.34	24.31		
15	1	0		23.49	23.64	23.72		
15	1	78		23.60	23.86	23.76		
15	75	0		23.67	23.87	23.82		
15	1	1	QPSK	24.05	24.11	24.26		
15	1	77		24.17	24.37	24.29		
15	36	18		24.18	24.38	24.36		
15	1	0		23.12	23.16	23.24		
15	1	78		23.20	23.33	23.25		
15	75	0		23.22	23.34	23.36		
15	1	1	16-QAM	23.05	23.09	23.18	18.72	0.0745
15	1	1	64-QAM	21.70	21.76	21.86		
15	1	1	256-QAM	19.09	19.11	19.16		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.23	24.14	24.17	19.87	0.0971
20	1	104		24.33	24.19	24.27		
20	50	25		24.30	24.27	24.25		
20	1	0		23.67	23.59	23.65		
20	1	105		23.78	23.69	23.67		
20	100	0		23.75	23.84	23.80		
20	1	1	QPSK	24.17	24.18	24.16		
20	1	104		24.30	24.32	24.26		
20	50	25		24.24	24.30	24.26		
20	1	0		23.19	23.05	23.15		
20	1	105		23.30	23.28	23.29		
20	100	0		23.29	23.34	23.32		
20	1	1	16-QAM	23.10	22.98	23.08	18.64	0.0731
20	1	1	64-QAM	21.81	21.75	21.86		
20	1	1	256-QAM	19.19	19.19	19.20		
Limit	ERP < 7W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.38	24.30	23.40	22.07	0.1611
5	1	23		24.31	24.35	23.03		
5	12	6		24.27	24.29	23.08		
5	1	0		23.94	23.82	23.18		
5	1	24		23.86	23.88	22.76		
5	25	0		23.85	23.95	22.83		
5	1	1	QPSK	24.31	24.30	23.27		
5	1	23		24.35	24.37	22.91		
5	12	6		24.34	24.34	22.91		
5	1	0		23.33	23.30	22.59		
5	1	24		23.35	23.31	22.23		
5	25	0		23.33	23.28	22.29		
5	1	1	16-QAM	23.22	23.22	22.46	20.91	0.1233
5	1	1	64-QAM	21.85	21.98	21.44		
5	1	1	256-QAM	19.24	19.27	19.26		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.76	24.28	23.85	22.04	0.1600
10	1	50		24.22	24.31	22.76		
10	25	12		24.17	24.30	23.16		
10	1	0		23.42	23.83	23.64		
10	1	51		23.66	23.85	22.48		
10	50	0		23.72	23.78	22.94		
10	1	1	QPSK	23.76	24.30	23.73		
10	1	50		24.20	24.32	22.70		
10	25	12		24.21	24.35	23.04		
10	1	0		23.16	23.26	23.24		
10	1	51		22.89	23.31	22.31		
10	50	0		23.18	23.35	22.39		
10	1	1	16-QAM	22.97	23.34	22.87	21.03	0.1268
10	1	1	64-QAM	21.84	22.11	21.95		
10	1	1	256-QAM	19.27	19.25	19.26		
Limit	EIRP < 2W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.95	24.33	24.42	22.15	0.1641
15	1	77		24.29	24.46	23.02		
15	36	18		24.20	24.31	23.77		
15	1	0		23.79	23.85	23.92		
15	1	78		23.75	23.92	22.86		
15	75	0		23.81	23.82	23.63		
15	1	1	QPSK	23.77	24.35	24.36	21.03	0.1268
15	1	77		24.22	24.37	22.81		
15	36	18		24.30	24.39	23.51		
15	1	0		23.26	23.40	23.45		
15	1	78		22.87	23.35	22.49		
15	75	0		23.26	23.32	22.85		
15	1	1	16-QAM	22.97	23.33	23.34	21.03	0.1268
15	1	1	64-QAM	21.98	21.96	22.04		
15	1	1	256-QAM	19.22	19.22	19.31		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.85	24.36	24.28	22.07	0.1611
20	1	104		24.15	24.38	22.54		
20	50	25		24.22	24.33	23.64		
20	1	0		23.57	23.83	23.90		
20	1	105		23.69	23.91	22.23		
20	100	0		23.69	23.81	23.35		
20	1	1	QPSK	23.76	24.35	24.22	21.02	0.1265
20	1	104		24.15	24.33	22.50		
20	50	25		24.29	24.35	23.55		
20	1	0		23.29	23.35	23.42		
20	1	105		23.11	23.35	22.51		
20	100	0		23.22	23.36	22.83		
20	1	1	16-QAM	22.87	23.33	23.30	21.02	0.1265
20	1	1	64-QAM	21.93	22.09	22.00		
20	1	1	256-QAM	19.13	19.12	19.29		
Limit	EIRP < 2W			Result			Pass	



NR n12 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.09	24.02	23.81	19.93	0.0984
5	1	23		24.06	23.84	23.75		
5	12	6		24.09	23.93	23.86		
5	1	0		23.61	23.46	23.26		
5	1	24		23.52	23.26	23.26		
5	25	0		23.55	23.49	23.25		
5	1	1	QPSK	24.10	23.92	23.80		
5	1	23		24.01	23.87	23.72		
5	12	6		24.04	24.00	23.80		
5	1	0		23.08	23.00	22.83		
5	1	24		23.01	22.87	22.73		
5	25	0		23.10	22.89	22.78		
5	1	1	16-QAM	23.02	22.95	22.74	18.85	0.0767
5	1	1	64-QAM	21.80	21.59	21.45		
5	1	1	256-QAM	19.06	18.89	18.77		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.14	24.08	24.03	19.98	0.0995
10	1	50		23.93	23.85	23.74		
10	25	12		24.06	24.05	23.87		
10	1	0		23.60	23.54	23.49		
10	1	51		23.47	23.37	23.22		
10	50	0		23.54	23.55	23.38		
10	1	1	QPSK	24.15	24.04	23.99		
10	1	50		23.91	23.84	23.79		
10	25	12		24.10	23.95	23.77		
10	1	0		23.15	23.08	22.96		
10	1	51		22.94	22.84	22.69		
10	50	0		22.98	22.93	22.83		
10	1	1	16-QAM	23.09	22.97	23.00	18.92	0.0780
10	1	1	64-QAM	21.82	21.70	21.60		
10	1	1	256-QAM	19.01	19.00	18.92		
Limit	ERP < 3W			Result			Pass	



NR n12 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.18	24.15	24.09	20.01	0.1002
15	1	77		23.79	23.80	23.85		
15	36	18		24.08	24.09	23.97		
15	1	0		23.64	23.64	23.59		
15	1	78		23.36	23.35	23.28		
15	75	0		23.63	23.48	23.50		
15	1	1	QPSK	24.15	24.15	24.13	19.01	0.0796
15	1	77		23.83	23.84	23.84		
15	36	18		24.10	24.11	23.95		
15	1	0		23.14	23.17	23.14		
15	1	78		22.82	22.86	22.82		
15	75	0		23.06	23.03	23.03		
15	1	1	16-QAM	23.18	23.06	23.04	19.01	0.0796
15	1	1	64-QAM	21.86	21.79	21.81		
15	1	1	256-QAM	19.19	19.16	19.13		
Limit	ERP < 3W			Result			Pass	



NR n13 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.70	23.73	23.75	19.76	0.0946
5	1	23		23.71	23.68	23.83		
5	12	6		23.69	23.70	23.75		
5	1	0		23.18	23.22	23.16		
5	1	24		23.20	23.17	23.29		
5	25	0		23.33	23.23	23.12		
5	1	1	QPSK	23.65	23.77	23.71		
5	1	23		23.82	23.76	23.78		
5	12	6		23.71	23.77	23.69		
5	1	0		22.65	22.78	22.74		
5	1	24		22.80	22.68	22.79		
5	25	0		22.79	22.70	22.70		
5	1	1	16-QAM	22.65	22.73	22.70	18.66	0.0735
5	1	1	64-QAM	21.45	21.40	21.32		
5	1	1	256-QAM	18.77	18.70	18.70		
Limit	ERP < 3W			Result			Pass	

NR n13 Maximum Average Power [dBm] (GT - LC = -1.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	23.75	-	19.76	0.0946
10	1	50		-	23.83	-		
10	25	12		-	23.76	-		
10	1	0		-	23.19	-		
10	1	51		-	23.30	-		
10	50	0		-	23.27	-		
10	1	1	QPSK	-	23.72	-		
10	1	50		-	23.69	-		
10	25	12		-	23.73	-		
10	1	0		-	22.70	-		
10	1	51		-	22.66	-		
10	50	0		-	22.72	-		
10	1	1	16-QAM	-	22.69	-	18.62	0.0728
10	1	1	64-QAM	-	21.41	-		
10	1	1	256-QAM	-	18.72	-		
Limit	ERP < 3W			Result			Pass	



NR n14 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.58	23.60	23.67	19.22	0.0836
5	1	23		23.55	23.53	23.50		
5	12	6		23.57	23.61	23.58		
5	1	0		23.15	23.02	23.12		
5	1	24		23.08	23.03	23.01		
5	25	0		23.06	23.11	23.11		
5	1	1	QPSK	23.54	23.64	23.68		
5	1	23		23.59	23.53	23.52		
5	12	6		23.56	23.58	23.60		
5	1	0		22.62	22.54	22.65		
5	1	24		22.57	22.52	22.49		
5	25	0		22.48	22.58	22.55		
5	1	1	16-QAM	22.44	22.47	22.64	18.18	0.0658
5	1	1	64-QAM	21.12	21.18	21.33		
5	1	1	256-QAM	18.44	18.51	18.57		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	23.60	-	19.14	0.0820
10	1	50		-	23.56	-		
10	25	12		-	23.55	-		
10	1	0		-	23.08	-		
10	1	51		-	23.05	-		
10	50	0		-	23.04	-		
10	1	1	QPSK	-	23.54	-		
10	1	50		-	23.54	-		
10	25	12		-	23.58	-		
10	1	0		-	22.53	-		
10	1	51		-	22.55	-		
10	50	0		-	22.51	-		
10	1	1	16-QAM	-	22.48	-	18.02	0.0634
10	1	1	64-QAM	-	21.13	-		
10	1	1	256-QAM	-	18.42	-		
Limit	ERP < 3W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 0.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.96	24.25	24.02	24.87	0.3069
5	1	23		23.94	24.23	24.07		
5	12	6		23.93	24.20	23.99		
5	1	0		23.44	23.78	23.48		
5	1	24		23.43	23.76	23.49		
5	25	0		23.43	23.71	23.56		
5	1	1	QPSK	23.93	24.25	24.05		
5	1	23		23.93	24.26	24.02		
5	12	6		23.94	24.18	24.04		
5	1	0		22.95	23.23	22.97		
5	1	24		22.92	23.26	23.07		
5	25	0		22.92	23.20	23.04		
5	1	1	16-QAM	22.88	23.19	22.99	23.80	0.2399
5	1	1	64-QAM	21.52	21.89	21.68		
5	1	1	256-QAM	19.00	19.20	19.06		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.89	24.12	24.10	24.88	0.3076
10	1	50		23.94	24.20	24.07		
10	25	12		23.96	24.27	24.03		
10	1	0		23.40	23.56	23.56		
10	1	51		23.45	23.62	23.52		
10	50	0		23.41	23.75	23.56		
10	1	1	QPSK	23.88	24.07	24.00		
10	1	50		23.93	24.21	24.04		
10	25	12		23.93	24.23	24.05		
10	1	0		22.88	23.13	23.06		
10	1	51		22.90	23.14	23.24		
10	50	0		22.95	23.16	23.01		
10	1	1	16-QAM	22.83	23.01	23.02	23.63	0.2307
10	1	1	64-QAM	21.57	21.82	21.63		
10	1	1	256-QAM	18.87	19.07	18.97		
10	1	1	256-QAM	18.87	19.07	18.97		
Limit	EIRP < 2W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 0.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.98	24.27	24.20	24.95	0.3126
15	1	77		24.13	24.29	24.18		
15	36	18		23.96	24.31	24.22		
15	1	0		23.47	23.68	23.69		
15	1	78		23.57	23.83	23.66		
15	75	0		23.49	23.82	23.74		
15	1	1	QPSK	23.94	24.25	24.25		
15	1	77		24.13	24.34	24.21		
15	36	18		24.00	24.33	24.21		
15	1	0		23.01	23.24	23.23		
15	1	78		23.06	23.31	23.26		
15	75	0		23.00	23.32	23.21		
15	1	1	16-QAM	22.92	23.17	23.18	23.79	0.2393
15	1	1	64-QAM	21.65	21.83	21.84		
15	1	1	256-QAM	18.94	19.18	19.20		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.90	24.12	24.20	24.93	0.3112
20	1	104		24.19	24.30	24.15		
20	50	25		24.02	24.32	24.28		
20	1	0		23.41	23.71	23.68		
20	1	105		23.71	23.72	23.63		
20	100	0		23.51	23.76	23.68		
20	1	1	QPSK	23.97	24.17	24.23		
20	1	104		24.19	24.29	24.17		
20	50	25		23.98	24.31	24.17		
20	1	0		22.96	23.16	23.28		
20	1	105		23.19	23.32	23.29		
20	100	0		23.02	23.30	23.22		
20	1	1	16-QAM	22.91	23.11	23.23	23.84	0.2421
20	1	1	64-QAM	21.54	21.79	21.83		
20	1	1	256-QAM	18.80	19.01	19.10		
Limit	EIRP < 2W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 0.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	24.01	24.15	24.20	25.01	0.3170
25	1	131		24.24	24.33	24.16		
25	64	32		24.00	24.40	24.24		
25	1	0		23.47	23.64	23.69		
25	1	132		23.79	23.81	23.64		
25	128	0		23.64	23.73	23.73		
25	1	1	QPSK	23.96	24.17	24.28		
25	1	131		24.24	24.39	24.14		
25	64	32		23.97	24.34	24.20		
25	1	0		23.00	23.19	23.27		
25	1	132		23.35	23.38	23.18		
25	128	0		23.12	23.23	23.24		
25	1	1	16-QAM	22.96	23.11	23.14	23.75	0.2371
25	1	1	64-QAM	21.64	21.84	21.87		
25	1	1	256-QAM	19.31	19.48	19.60		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 0.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.92	24.10	24.23	24.97	0.3141
30	1	158		24.26	24.30	24.10		
30	80	40		24.09	24.33	24.22		
30	1	0		23.43	23.56	23.69		
30	1	159		23.76	23.79	23.62		
30	160	0		23.54	23.73	23.71		
30	1	1	QPSK	23.91	24.11	24.19		
30	1	158		24.24	24.30	24.15		
30	80	40		24.12	24.36	24.27		
30	1	0		22.95	23.14	23.20		
30	1	159		23.24	23.34	23.20		
30	160	0		23.12	23.22	23.23		
30	1	1	16-QAM	22.90	23.09	23.19	23.80	0.2399
30	1	1	64-QAM	21.54	21.73	21.79		
30	1	1	256-QAM	19.01	19.17	19.26		
Limit	EIRP < 2W			Result			Pass	



Part22H NR n26 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.76	23.93	23.91	19.51	0.0893
5	1	23		23.74	23.96	23.93		
5	12	6		23.74	23.88	23.96		
5	1	0		23.26	23.40	23.36		
5	1	24		23.22	23.47	23.40		
5	25	0		23.28	23.40	23.53		
5	1	1	QPSK	23.81	23.90	23.88		
5	1	23		23.77	23.95	23.97		
5	12	6		23.80	23.88	23.94		
5	1	0		22.84	22.97	22.87		
5	1	24		22.74	22.97	22.91		
5	25	0		22.74	22.84	22.99		
5	1	1	16-QAM	22.71	22.84	22.81	18.38	0.0689
5	1	1	64-QAM	21.50	21.50	21.53		
5	1	1	256-QAM	18.79	18.84	18.88		
Limit	ERP < 7W			Result			Pass	

Part22H NR n26 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.82	23.77	23.89	19.51	0.0893
10	1	50		23.72	23.91	23.97		
10	25	12		23.80	23.90	23.92		
10	1	0		23.31	23.25	23.40		
10	1	51		23.20	23.37	23.41		
10	50	0		23.32	23.34	23.43		
10	1	1	QPSK	23.82	23.84	23.96		
10	1	50		23.78	23.92	23.95		
10	25	12		23.74	23.87	23.96		
10	1	0		22.81	22.79	22.89		
10	1	51		22.76	22.85	22.95		
10	50	0		22.87	22.91	22.95		
10	1	1	16-QAM	22.74	22.73	22.94	18.48	0.0705
10	1	1	64-QAM	21.47	21.48	21.43		
10	1	1	256-QAM	18.78	18.78	18.85		
Limit	ERP < 7W			Result			Pass	



Part22H NR n26 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.77	23.84	23.81	19.65	0.0923
15	1	77		23.84	23.97	24.00		
15	36	18		23.87	24.01	23.98		
15	1	0		23.34	23.29	23.41		
15	1	78		23.49	23.49	23.51		
15	75	0		23.47	23.52	23.52		
15	1	1	QPSK	23.81	23.78	23.89		
15	1	77		23.90	23.95	24.11		
15	36	18		23.85	23.93	24.00		
15	1	0		22.72	22.82	22.86		
15	1	78		22.97	23.00	23.02		
15	75	0		22.98	22.97	22.97		
15	1	1	16-QAM	22.73	22.79	22.81	18.35	0.0684
15	1	1	64-QAM	21.39	21.35	21.49		
15	1	1	256-QAM	18.75	18.83	18.85		
Limit	ERP < 7W			Result			Pass	

Part22H NR n26 Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.74	23.83	23.85	19.59	0.0910
20	1	104		23.97	24.05	24.03		
20	50	25		23.91	23.95	23.93		
20	1	0		23.26	23.36	23.30		
20	1	105		23.47	23.54	23.55		
20	100	0		23.47	23.47	23.47		
20	1	1	QPSK	23.75	23.88	23.89		
20	1	104		23.95	24.02	23.99		
20	50	25		23.91	24.01	23.95		
20	1	0		22.75	22.85	22.87		
20	1	105		22.91	22.89	23.00		
20	100	0		22.93	23.01	23.01		
20	1	1	16-QAM	22.72	22.82	22.75	18.36	0.0685
20	1	1	64-QAM	21.40	21.50	21.44		
20	1	1	256-QAM	18.78	18.83	18.87		
Limit	ERP < 7W			Result			Pass	



NR n30 Maximum Average Power [dBm] (GT - LC = -0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	22.92	22.88	22.85	22.48	0.1770		
5	1	23		22.87	22.65	22.07				
5	12	6		22.98	22.89	22.37				
5	1	0		22.50	22.36	22.36				
5	1	24		22.42	22.22	21.79				
5	25	0		22.42	22.36	22.10				
5	1	1	QPSK	22.88	22.86	22.74			21.36	0.1368
5	1	23		22.90	22.54	21.98				
5	12	6		22.82	22.78	22.25				
5	1	0		21.83	21.89	21.88				
5	1	24		21.86	21.78	21.22				
5	25	0		21.86	21.83	21.59				
5	1	1	16-QAM	21.85	21.86	21.84	21.36	0.1368		
5	1	1	64-QAM	20.55	20.58	20.59				
5	1	1	256-QAM	17.81	17.85	17.84				
Limit	EIRP < 250 mW/5MHz			Result			Pass			

NR n30 Maximum Average Power [dBm] (GT - LC = -0.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	-	22.91	-	22.41	0.1742		
10	1	50		-	21.99	-				
10	25	12		-	22.75	-				
10	1	0		-	22.35	-				
10	1	51		-	21.73	-				
10	50	0		-	22.42	-				
10	1	1	QPSK	-	22.91	-			21.36	0.1368
10	1	50		-	21.87	-				
10	25	12		-	22.61	-				
10	1	0		-	21.89	-				
10	1	51		-	21.52	-				
10	50	0		-	21.76	-				
10	1	1	16-QAM	-	21.86	-	21.36	0.1368		
10	1	1	64-QAM	-	20.66	-				
10	1	1	256-QAM	-	17.75	-				
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 = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.02	23.95	24.06	22.52	0.1786
10	1	22		24.05	24.03	24.08		
10	12	6		24.10	24.02	24.09		
10	1	0		23.55	23.43	23.03		
10	1	23		23.50	23.46	22.96		
10	24	0		23.60	23.48	23.59		
10	1	1	QPSK	24.03	23.99	24.07		
10	1	22		24.12	24.07	24.00		
10	12	6		24.05	23.98	24.11		
10	1	0		23.05	22.93	23.08		
10	1	23		23.02	23.04	23.03		
10	24	0		23.09	22.96	23.15		
10	1	1	16-QAM	23.17	23.07	23.20	21.60	0.1445
10	1	1	64-QAM	21.57	21.54	21.62		
10	1	1	256-QAM	19.33	19.26	19.39		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.39	24.35	24.37	22.92	0.1959
20	1	49		24.46	24.52	24.36		
20	25	12		24.48	24.48	24.50		
20	1	0		23.85	23.74	23.81		
20	1	50		23.90	23.99	23.86		
20	50	0		23.93	24.00	23.97		
20	1	1	QPSK	24.41	24.19	24.34		
20	1	49		24.44	24.46	24.37		
20	25	12		24.42	24.46	24.51		
20	1	0		23.33	23.23	23.32		
20	1	50		23.36	23.46	23.50		
20	50	0		23.40	23.47	23.48		
20	1	1	16-QAM	23.54	23.36	23.37	21.94	0.1563
20	1	1	64-QAM	21.88	21.79	21.87		
20	1	1	256-QAM	19.64	19.61	19.64		
Limit	EIRP < 2W			Result			Pass	



NR n38 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.43	24.41	24.41	23.00	0.1995
30	1	76		24.60	24.59	24.59		
30	36	18		24.38	24.48	24.54		
30	1	0		23.91	23.87	23.91		
30	1	77		24.09	24.12	24.04		
30	75	0		24.00	23.98	23.97		
30	1	1	QPSK	24.36	24.35	24.41		
30	1	76		24.46	24.59	24.48		
30	36	18		24.41	24.49	24.53		
30	1	0		23.36	23.32	23.45		
30	1	77		23.43	23.58	23.56		
30	75	0		23.40	23.49	23.53		
30	1	1	16-QAM	23.51	23.64	23.47	22.04	0.1600
30	1	1	64-QAM	21.93	21.88	21.93		
30	1	1	256-QAM	19.70	19.67	19.72		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.39	24.42	24.37	22.98	0.1986
40	1	104		24.58	24.57	24.56		
40	50	25		24.48	24.52	24.44		
40	1	0		23.87	23.92	23.95		
40	1	105		24.07	24.04	23.99		
40	100	0		24.01	23.98	23.98		
40	1	1	QPSK	24.41	24.42	24.38		
40	1	104		24.57	24.57	24.54		
40	50	25		24.47	24.50	24.42		
40	1	0		23.39	23.41	23.28		
40	1	105		23.47	23.53	23.47		
40	100	0		23.53	23.48	23.49		
40	1	1	16-QAM	23.63	23.57	23.56	22.03	0.1596
40	1	1	64-QAM	21.91	21.93	21.86		
40	1	1	256-QAM	19.68	19.68	19.60		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.12	24.55	24.35	23.10	0.2042
20	1	49		24.17	24.70	24.45		
20	25	12		24.20	24.58	24.44		
20	1	0		23.63	24.04	23.88		
20	1	50		23.67	24.07	23.95		
20	50	0		23.64	24.09	23.96		
20	1	1	QPSK	24.06	24.59	24.37	23.10	0.2042
20	1	49		24.12	24.60	24.42		
20	25	12		24.19	24.61	24.38		
20	1	0		23.09	23.51	23.39		
20	1	50		23.09	23.51	23.44		
20	50	0		23.17	23.63	23.40		
20	1	1	16-QAM	23.22	23.78	23.47	22.18	0.1652
20	1	1	64-QAM	21.67	22.08	21.90		
20	1	1	256-QAM	19.44	19.88	19.64		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.08	24.49	24.37	23.09	0.2037		
30	1	76		24.17	24.69	24.50				
30	36	18		24.14	24.57	24.44				
30	1	0		23.70	23.94	23.89				
30	1	77		23.67	24.19	24.01				
30	75	0		23.64	24.11	23.98				
30	1	1	QPSK	24.08	24.43	24.40			23.09	0.2037
30	1	76		24.16	24.67	24.53				
30	36	18		24.14	24.59	24.42				
30	1	0		23.11	23.49	23.41				
30	1	77		23.20	23.67	23.51				
30	75	0		23.15	23.67	23.43				
30	1	1	16-QAM	23.23	23.55	23.59	21.99	0.1581		
30	1	1	64-QAM	21.67	22.02	21.95				
30	1	1	256-QAM	19.43	19.73	19.69				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.26	24.48	24.41	23.17	0.2075		
40	1	104		24.37	24.74	24.58				
40	50	25		24.19	24.63	24.50				
40	1	0		23.85	23.98	23.87				
40	1	105		23.90	24.20	24.06				
40	100	0		23.72	24.14	24.03				
40	1	1	QPSK	24.25	24.45	24.36			23.17	0.2075
40	1	104		24.38	24.77	24.52				
40	50	25		24.16	24.60	24.47				
40	1	0		23.25	23.43	23.36				
40	1	105		23.35	23.76	23.56				
40	100	0		23.26	23.61	23.49				
40	1	1	16-QAM	23.46	23.72	23.51	22.12	0.1629		
40	1	1	64-QAM	21.77	21.96	21.95				
40	1	1	256-QAM	19.51	19.76	19.69				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	24.28	24.39	24.30	23.12	0.2051
50	1	131		24.22	24.71	24.57		
50	64	32		24.33	24.51	24.39		
50	1	0		23.87	23.84	23.80		
50	1	132		23.72	24.20	24.08		
50	128	0		23.82	24.00	23.88		
50	1	1	QPSK	24.21	24.39	24.28		
50	1	131		24.19	24.72	24.53		
50	64	32		24.31	24.50	24.35		
50	1	0		23.23	23.37	23.28		
50	1	132		23.17	23.67	23.54		
50	128	0		23.36	23.49	23.37		
50	1	1	16-QAM	23.44	23.53	23.33	21.93	0.156
50	1	1	64-QAM	21.81	21.90	21.80		
50	1	1	256-QAM	19.59	19.67	19.58		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	24.28	23.69	23.61	22.69	0.1858
60	1	160		24.22	24.29	24.21		
60	81	40		24.27	23.96	23.96		
60	1	0		23.77	23.24	23.08		
60	1	161		23.69	23.77	23.70		
60	162	0		23.74	23.51	23.39		
60	1	1	QPSK	23.59	23.71	23.58		
60	1	160		23.72	24.24	24.16		
60	81	40		23.69	24.01	23.87		
60	1	0		23.21	22.64	22.53		
60	1	161		22.69	23.24	23.21		
60	162	0		22.66	23.00	22.87		
60	1	1	16-QAM	22.83	22.87	22.67	21.27	0.134
60	1	1	64-QAM	21.05	21.28	21.13		
60	1	1	256-QAM	18.78	19.03	18.88		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	23.61	23.69	23.59	22.72	0.1871		
70	1	187		23.71	24.31	24.25				
70	90	45		23.74	23.97	24.03				
70	1	0		23.05	23.18	23.06				
70	1	188		23.17	23.79	23.76				
70	180	0		23.25	23.51	23.50				
70	1	1	QPSK	23.58	23.70	23.57			21.34	0.1361
70	1	187		23.72	24.32	24.27				
70	90	45		23.74	23.99	24.01				
70	1	0		22.58	22.71	22.58				
70	1	188		22.70	23.29	23.23				
70	180	0		22.77	22.97	22.98				
70	1	1	16-QAM	22.83	22.94	22.83	21.34	0.1361		
70	1	1	64-QAM	21.24	21.20	21.11				
70	1	1	256-QAM	18.93	19.00	18.87				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	23.57	23.77	23.65	22.77	0.1892		
80	1	215		23.77	24.37	24.27				
80	108	54		23.82	24.03	24.04				
80	1	0		23.12	23.32	23.17				
80	1	216		23.25	23.85	23.77				
80	216	0		23.21	23.56	23.51				
80	1	1	QPSK	23.53	23.78	23.62			21.33	0.1358
80	1	215		23.72	24.31	24.23				
80	108	54		23.82	24.04	24.06				
80	1	0		22.53	22.78	22.60				
80	1	216		22.73	23.31	23.26				
80	216	0		22.80	23.06	23.01				
80	1	1	16-QAM	22.70	22.93	22.74	21.33	0.1358		
80	1	1	64-QAM	21.14	21.37	21.18				
80	1	1	256-QAM	18.88	19.11	18.93				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	23.63	23.90	23.60	22.82	0.1914
90	1	243		23.87	24.01	24.28		
90	120	60		23.86	24.09	23.98		
90	1	0		23.17	23.41	23.13		
90	1	244		23.34	23.90	23.76		
90	243	0		23.32	23.61	23.48		
90	1	1	QPSK	23.64	23.91	23.61		
90	1	243		23.82	24.42	24.25		
90	120	60		23.90	24.10	23.94		
90	1	0		22.64	22.91	22.57		
90	1	244		22.80	23.40	23.23		
90	243	0		22.80	23.12	22.93		
90	1	1	16-QAM	22.78	23.18	22.73	21.58	0.1439
90	1	1	64-QAM	21.16	21.47	21.16		
90	1	1	256-QAM	18.96	19.19	18.89		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = -1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	23.76	23.97	23.62	22.80	0.1905
100	1	271		23.88	24.40	24.29		
100	135	67		23.86	24.12	24.03		
100	1	0		22.73	23.48	23.10		
100	1	272		22.90	23.91	23.78		
100	270	0		22.91	23.62	23.53		
100	1	1	QPSK	23.71	23.92	23.64		
100	1	271		23.87	24.40	24.32		
100	135	67		23.90	24.09	23.99		
100	1	0		22.70	22.99	22.66		
100	1	272		22.79	23.42	23.34		
100	270	0		22.80	23.16	23.00		
100	1	1	16-QAM	22.69	23.17	22.89	21.57	0.1435
100	1	1	64-QAM	21.08	21.50	21.15		
100	1	1	256-QAM	19.09	19.23	18.94		
Limit	EIRP < 2W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.26	24.46	24.38	25.81	0.3811
5	1	23		24.25	24.50	24.42		
5	12	6		24.25	24.48	24.22		
5	1	0		23.75	23.88	23.84		
5	1	24		23.76	23.90	23.88		
5	25	0		23.79	23.98	23.89		
5	1	1	QPSK	24.23	24.44	24.27		
5	1	23		24.27	24.43	24.23		
5	12	6		24.23	24.42	24.01		
5	1	0		23.23	23.43	23.41		
5	1	24		23.22	23.49	23.42		
5	25	0		23.24	23.46	23.34		
5	1	1	16-QAM	23.22	23.40	23.24	24.71	0.2958
5	1	1	64-QAM	21.91	22.09	22.00		
5	1	1	256-QAM	19.23	19.40	19.42		
Limit	EIRP < 1W			Result			Pass	

NR n66 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	24.16	24.30	24.33	25.82	0.3819
10	1	50		24.16	24.43	24.30		
10	25	12		24.21	24.51	24.35		
10	1	0		23.76	23.93	23.87		
10	1	51		23.72	23.88	23.89		
10	50	0		23.70	23.92	23.93		
10	1	1	QPSK	24.24	24.38	24.44		
10	1	50		24.17	24.48	24.35		
10	25	12		24.25	24.50	24.22		
10	1	0		23.18	23.30	23.32		
10	1	51		23.15	23.44	23.29		
10	50	0		23.24	23.52	23.37		
10	1	1	16-QAM	23.21	23.25	23.32	24.63	0.2904
10	1	1	64-QAM	21.83	22.06	21.97		
10	1	1	256-QAM	19.15	19.42	19.40		
Limit	EIRP < 1W			Result			Pass	



NR n66 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	24.25	24.51	24.54	25.92	0.3908
15	1	77		24.29	24.52	24.52		
15	36	18		24.28	24.61	24.58		
15	1	0		23.72	23.92	24.03		
15	1	78		23.86	24.00	23.98		
15	75	0		23.82	24.10	24.08		
15	1	1	QPSK	24.34	24.40	24.46		
15	1	77		24.31	24.50	24.47		
15	36	18		24.31	24.48	24.50		
15	1	0		23.30	23.50	23.42		
15	1	78		23.27	23.69	23.47		
15	75	0		23.27	23.45	23.47		
15	1	1	16-QAM	23.26	23.40	23.40	24.71	0.2958
15	1	1	64-QAM	21.98	22.02	22.14		
15	1	1	256-QAM	19.23	19.43	19.43		
Limit	EIRP < 1W			Result			Pass	

NR n66 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	24.30	24.46	24.45	25.85	0.3846
20	1	104		24.32	24.46	24.41		
20	50	25		24.30	24.52	24.54		
20	1	0		23.78	23.94	23.98		
20	1	105		23.81	24.06	23.95		
20	100	0		23.77	24.04	24.01		
20	1	1	QPSK	24.31	24.41	24.53		
20	1	104		24.38	24.50	24.45		
20	50	25		24.30	24.50	24.51		
20	1	0		23.39	23.47	23.49		
20	1	105		23.39	23.50	23.44		
20	100	0		23.31	23.53	23.50		
20	1	1	16-QAM	23.30	23.43	23.48	24.79	0.3013
20	1	1	64-QAM	21.99	22.16	22.20		
20	1	1	256-QAM	19.22	19.37	19.44		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 1.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.50	24.49	23.91	25.84	0.3837
25	1	131		24.53	24.16	23.41		
25	64	32		23.62	24.05	24.10		
25	1	0		23.06	24.11	23.51		
25	1	132		24.10	23.80	23.00		
25	128	0		23.27	23.68	23.45		
25	1	1	QPSK	23.49	24.40	23.88		
25	1	131		24.51	24.13	23.37		
25	64	32		23.55	23.94	24.00		
25	1	0		23.47	23.61	23.68		
25	1	132		24.00	24.00	23.40		
25	128	0		22.81	23.16	22.96		
25	1	1	16-QAM	22.59	23.42	22.91	24.73	0.2972
25	1	1	64-QAM	21.36	22.08	21.72		
25	1	1	256-QAM	19.31	19.51	19.53		
Limit	EIRP < 1W			Result			Pass	

NR n66 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	23.60	24.15	23.62	25.77	0.3776
30	1	158		24.45	24.13	23.28		
30	80	40		23.90	23.91	24.02		
30	1	0		23.21	23.72	23.21		
30	1	159		24.02	23.73	22.89		
30	160	0		23.58	23.60	23.38		
30	1	1	QPSK	23.51	24.07	23.58		
30	1	158		24.46	24.08	23.24		
30	80	40		23.80	23.85	23.97		
30	1	0		23.11	23.26	23.15		
30	1	159		23.47	23.49	22.85		
30	160	0		23.06	23.08	22.87		
30	1	1	16-QAM	22.55	23.15	22.64	24.46	0.2793
30	1	1	64-QAM	21.80	21.85	21.85		
30	1	1	256-QAM	19.33	19.39	19.42		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.67	25.59	25.77	26.23	0.4198
20	1	49		25.59	25.50	25.89		
20	25	12		25.64	25.66	25.85		
20	1	0		22.11	22.02	22.22		
20	1	50		22.03	21.96	22.35		
20	50	0		25.13	25.11	25.41		
20	1	1	QPSK	25.58	25.55	25.71		
20	1	49		25.50	25.52	25.86		
20	25	12		25.64	25.67	25.74		
20	1	0		22.11	22.05	22.18		
20	1	50		22.09	21.99	22.20		
20	50	0		24.67	24.61	24.86		
20	1	1	16-QAM	24.79	24.68	24.90	25.24	0.3342
20	1	1	64-QAM	23.18	23.20	23.25		
20	1	1	256-QAM	20.97	20.88	20.98		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.68	25.64	25.72	26.16	0.4130
30	1	76		25.54	25.58	25.82		
30	36	18		25.65	25.63	25.77		
30	1	0		22.10	22.12	22.24		
30	1	77		22.01	22.09	22.31		
30	75	0		25.24	25.16	25.30		
30	1	1	QPSK	25.57	25.59	25.70		
30	1	76		25.54	25.60	25.81		
30	36	18		25.64	25.53	25.74		
30	1	0		22.06	22.08	22.18		
30	1	77		22.04	22.08	22.25		
30	75	0		24.67	24.60	24.77		
30	1	1	16-QAM	24.71	24.71	24.71	25.05	0.3199
30	1	1	64-QAM	23.13	23.06	23.38		
30	1	1	256-QAM	20.86	20.76	20.90		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.76	25.60	25.79	26.37	0.4335
40	1	104		25.68	25.54	26.03		
40	50	25		25.65	25.59	25.84		
40	1	0		22.21	22.10	22.27		
40	1	105		22.10	22.04	22.45		
40	100	0		25.17	25.08	25.42		
40	1	1	QPSK	25.80	25.59	25.74		
40	1	104		25.65	25.64	25.97		
40	50	25		25.65	25.60	25.81		
40	1	0		22.25	22.09	22.28		
40	1	105		22.10	21.99	22.52		
40	100	0		24.66	24.56	24.85		
40	1	1	16-QAM	24.88	24.83	24.89	25.23	0.3334
40	1	1	64-QAM	23.39	23.13	23.30		
40	1	1	256-QAM	21.03	20.93	21.05		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	24.95	24.95	24.98	25.64	0.3664		
50	1	131		24.78	25.09	25.25				
50	64	32		25.03	25.00	25.19				
50	1	0		21.47	21.45	21.50				
50	1	132		21.25	21.59	21.80				
50	128	0		24.46	24.49	24.62				
50	1	1	QPSK	24.86	24.91	24.99			24.50	0.2818
50	1	131		24.71	25.04	25.30				
50	64	32		25.00	25.00	25.13				
50	1	0		21.42	21.43	21.43				
50	1	132		21.23	21.55	21.76				
50	128	0		23.89	23.95	24.11				
50	1	1	16-QAM	24.05	24.05	24.16	24.50	0.2818		
50	1	1	64-QAM	22.42	22.46	22.52				
50	1	1	256-QAM	20.26	20.19	20.22				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.42	25.27	25.39	26.02	0.3999		
60	1	160		25.38	25.33	25.62				
60	81	40		25.39	25.36	25.65				
60	1	0		21.82	21.69	21.86				
60	1	161		21.82	21.79	22.12				
60	162	0		24.85	24.81	25.20				
60	1	1	QPSK	25.42	25.23	25.36			24.84	0.3048
60	1	160		25.34	25.30	25.64				
60	81	40		25.38	25.36	25.68				
60	1	0		21.89	21.67	21.86				
60	1	161		21.81	21.81	22.16				
60	162	0		24.35	24.31	24.69				
60	1	1	16-QAM	24.46	24.43	24.50	24.84	0.3048		
60	1	1	64-QAM	22.86	22.80	22.87				
60	1	1	256-QAM	20.63	20.48	20.66				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	24.94	24.85	25.04	25.61	0.3639
70	1	187		24.75	24.88	25.27		
70	90	45		24.90	25.02	25.27		
70	1	0		21.41	21.29	21.50		
70	1	188		21.16	21.36	21.70		
70	180	0		24.42	24.47	24.70		
70	1	1	QPSK	24.83	24.71	24.95		
70	1	187		24.72	24.89	25.24		
70	90	45		24.95	24.97	25.26		
70	1	0		21.34	21.29	21.39		
70	1	188		21.17	21.35	21.70		
70	180	0		23.87	23.97	24.20		
70	1	1	16-QAM	23.97	23.82	23.94	24.31	0.2698
70	1	1	64-QAM	22.43	22.26	22.49		
70	1	1	256-QAM	20.08	20.01	20.22		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.30	25.15	25.35	25.92	0.3908
80	1	215		25.24	25.28	25.56		
80	108	54		25.40	25.33	25.58		
80	1	0		21.80	21.71	21.80		
80	1	216		21.70	21.86	21.98		
80	216	0		24.85	24.90	25.06		
80	1	1	QPSK	25.31	25.08	25.35		
80	1	215		25.24	25.23	25.52		
80	108	54		25.42	25.36	25.58		
80	1	0		21.84	21.65	21.80		
80	1	216		21.77	21.74	22.04		
80	216	0		24.40	24.26	24.52		
80	1	1	16-QAM	24.46	24.25	24.47	24.81	0.3027
80	1	1	64-QAM	22.92	22.67	22.89		
80	1	1	256-QAM	20.61	20.45	20.62		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.87	24.68	24.88	25.61	0.3639
90	1	243		24.91	24.99	25.27		
90	120	60		24.86	24.96	25.15		
90	1	0		21.39	21.15	21.35		
90	1	244		21.45	21.58	21.70		
90	243	0		24.34	24.40	24.58		
90	1	1	QPSK	24.83	24.69	24.84		
90	1	243		24.91	24.95	25.15		
90	120	60		24.86	24.98	25.13		
90	1	0		21.32	21.13	21.37		
90	1	244		21.34	21.60	21.71		
90	243	0		23.86	23.90	24.04		
90	1	1	16-QAM	24.04	23.74	23.93	24.38	0.2742
90	1	1	64-QAM	22.37	22.27	22.40		
90	1	1	256-QAM	20.14	19.97	20.14		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 Maximum Average Power [dBm] (GT - LC = 0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.34	25.09	25.28	26.10	0.4074
100	1	271		25.56	25.51	25.76		
100	135	67		25.42	25.34	25.54		
100	1	0		21.76	21.51	21.74		
100	1	272		21.98	21.95	22.21		
100	270	0		24.91	24.88	25.05		
100	1	1	QPSK	25.30	25.07	25.26		
100	1	271		25.56	25.46	25.70		
100	135	67		25.43	25.34	25.52		
100	1	0		21.80	21.52	21.76		
100	1	272		22.00	21.94	22.22		
100	270	0		24.40	24.37	24.56		
100	1	1	16-QAM	24.46	24.25	24.35	24.80	0.3020
100	1	1	64-QAM	22.85	22.56	22.86		
100	1	1	256-QAM	20.59	20.35	20.54		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.83	25.67	25.53	26.04	0.4018
20	1	49		25.90	25.70	25.61		
20	25	12		25.90	25.71	25.54		
20	1	0		22.37	22.18	22.04		
20	1	50		22.27	22.20	22.07		
20	50	0		25.38	25.21	25.09		
20	1	1	QPSK	25.85	25.62	25.53		
20	1	49		25.87	25.69	25.53		
20	25	12		25.82	25.68	25.56		
20	1	0		22.31	22.07	22.05		
20	1	50		22.32	22.14	22.01		
20	50	0		24.89	24.72	24.53		
20	1	1	16-QAM	25.01	24.83	24.64	25.15	0.3273
20	1	1	64-QAM	23.41	23.21	22.95		
20	1	1	256-QAM	21.10	20.92	20.67		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.82	25.72	25.44	26.00	0.3981
30	1	76		25.81	25.73	25.52		
30	36	18		25.85	25.72	25.50		
30	1	0		22.34	22.17	21.94		
30	1	77		22.24	22.23	21.98		
30	75	0		25.30	25.21	24.96		
30	1	1	QPSK	25.86	25.60	25.49		
30	1	76		25.69	25.54	25.51		
30	36	18		25.83	25.67	25.50		
30	1	0		22.37	22.22	21.96		
30	1	77		22.28	22.21	21.96		
30	75	0		24.88	24.68	24.50		
30	1	1	16-QAM	24.95	24.81	24.54	25.09	0.3228
30	1	1	64-QAM	23.46	23.13	23.08		
30	1	1	256-QAM	21.11	20.91	20.83		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.78	25.71	25.53	25.94	0.3926
40	1	104		25.65	25.74	25.49		
40	50	25		25.75	25.64	25.43		
40	1	0		22.30	22.25	22.07		
40	1	105		22.17	22.19	22.04		
40	100	0		25.23	25.16	24.92		
40	1	1	QPSK	25.80	25.64	25.60		
40	1	104		25.65	25.71	25.55		
40	50	25		25.69	25.58	25.44		
40	1	0		22.33	22.09	22.05		
40	1	105		22.07	22.15	22.00		
40	100	0		24.76	24.67	24.54		
40	1	1	16-QAM	24.98	24.75	24.68	25.12	0.3251
40	1	1	64-QAM	23.29	23.20	23.09		
40	1	1	256-QAM	21.09	20.96	20.88		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.52	25.53	25.29	25.71	0.3724
50	1	131		25.38	25.41	25.32		
50	64	32		25.51	25.46	25.37		
50	1	0		22.10	21.94	21.73		
50	1	132		21.85	21.92	21.73		
50	128	0		25.00	24.94	24.81		
50	1	1	QPSK	25.49	25.53	25.25		
50	1	131		25.33	25.39	25.21		
50	64	32		25.57	25.44	25.36		
50	1	0		21.94	21.83	21.71		
50	1	132		21.81	21.86	21.82		
50	128	0		24.50	24.43	24.28		
50	1	1	16-QAM	24.63	24.57	24.40	24.77	0.2999
50	1	1	64-QAM	23.11	22.88	22.73		
50	1	1	256-QAM	20.80	20.76	20.51		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.47	25.42	25.26	25.69	0.3707
60	1	160		25.47	25.41	25.37		
60	81	40		25.55	25.44	25.37		
60	1	0		21.94	21.88	21.71		
60	1	161		21.93	21.93	21.79		
60	162	0		25.03	24.92	24.91		
60	1	1	QPSK	25.48	25.38	25.25		
60	1	160		25.47	25.41	25.33		
60	81	40		25.53	25.44	25.40		
60	1	0		21.95	21.89	21.67		
60	1	161		21.89	21.90	21.78		
60	162	0		24.56	24.45	24.40		
60	1	1	16-QAM	24.59	24.60	24.33	24.74	0.2979
60	1	1	64-QAM	23.11	22.98	22.80		
60	1	1	256-QAM	20.71	20.69	20.46		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.48	25.47	25.42	25.67	0.3690
70	1	187		25.37	25.35	25.42		
70	90	45		25.53	25.52	25.40		
70	1	0		21.95	21.91	21.82		
70	1	188		21.81	21.78	21.82		
70	180	0		25.03	25.01	24.90		
70	1	1	QPSK	25.48	25.50	25.37		
70	1	187		25.35	25.30	25.32		
70	90	45		25.53	25.52	25.45		
70	1	0		21.99	21.94	21.84		
70	1	188		21.82	21.75	21.86		
70	180	0		24.54	24.49	24.41		
70	1	1	16-QAM	24.60	24.61	24.51	24.75	0.2985
70	1	1	64-QAM	22.97	22.97	22.95		
70	1	1	256-QAM	20.77	20.78	20.64		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.47	25.49	25.44	25.70	0.3715
80	1	215		25.42	25.43	25.38		
80	108	54		25.50	25.56	25.44		
80	1	0		21.95	21.88	21.90		
80	1	216		21.81	21.83	21.87		
80	216	0		25.00	25.01	24.89		
80	1	1	QPSK	25.45	25.40	25.42		
80	1	215		25.35	25.35	25.34		
80	108	54		25.54	25.53	25.40		
80	1	0		21.90	21.95	21.91		
80	1	216		21.80	21.81	21.82		
80	216	0		24.53	24.52	24.40		
80	1	1	16-QAM	24.52	24.56	24.53	24.70	0.2951
80	1	1	64-QAM	23.02	23.11	22.93		
80	1	1	256-QAM	20.80	20.74	20.76		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.49	25.44	25.45	25.71	0.3724
90	1	243		25.56	25.49	25.49		
90	120	60		25.57	25.51	25.46		
90	1	0		21.99	21.91	21.92		
90	1	244		21.98	21.89	21.96		
90	243	0		25.03	24.97	24.88		
90	1	1	QPSK	25.46	25.45	25.37		
90	1	243		25.43	25.50	25.47		
90	120	60		25.53	25.43	25.38		
90	1	0		21.89	21.92	21.85		
90	1	244		22.00	21.97	21.94		
90	243	0		24.46	24.40	24.43		
90	1	1	16-QAM	24.68	24.51	24.60	24.82	0.3034
90	1	1	64-QAM	23.00	23.01	22.96		
90	1	1	256-QAM	20.72	20.72	20.70		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 Maximum Average Power [dBm] (GT - LC = 0.14 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.42	-	25.67	0.3690
100	1	271		-	25.52	-		
100	135	67		-	25.53	-		
100	1	0		-	21.95	-		
100	1	272		-	21.94	-		
100	270	0		-	24.99	-		
100	1	1	QPSK	-	25.39	-		
100	1	271		-	25.52	-		
100	135	67		-	25.41	-		
100	1	0		-	21.84	-		
100	1	272		-	21.96	-		
100	270	0		-	24.50	-		
100	1	1	16-QAM	-	24.48	-	24.62	0.2897
100	1	1	64-QAM	-	22.99	-		
100	1	1	256-QAM	-	20.68	-		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.40	25.42	25.16	25.40	0.3467
20	1	49		25.22	25.14	25.18		
20	25	12		25.37	25.33	25.24		
20	1	0		21.86	21.89	21.62		
20	1	50		21.67	21.56	21.64		
20	50	0		24.87	24.82	24.74		
20	1	1	QPSK	25.40	25.37	25.10	25.40	0.3467
20	1	49		25.25	25.15	25.19		
20	25	12		25.33	25.35	25.25		
20	1	0		21.82	21.76	21.53		
20	1	50		21.72	21.64	21.61		
20	50	0		24.39	24.32	24.26		
20	1	1	16-QAM	24.57	24.47	24.22	24.55	0.3097
20	1	1	64-QAM	22.95	22.91	22.69		
20	1	1	256-QAM	20.72	20.57	20.41		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.62	25.61	25.42	25.60	0.3945		
30	1	76		25.29	25.15	25.21				
30	36	18		25.43	25.46	25.35				
30	1	0		22.16	22.02	21.94				
30	1	77		21.77	21.66	21.78				
30	75	0		25.01	24.97	24.91				
30	1	1	QPSK	25.60	25.60	25.37			24.76	0.3251
30	1	76		25.25	25.14	25.21				
30	36	18		25.44	25.45	25.37				
30	1	0		22.15	22.09	21.93				
30	1	77		21.75	21.73	21.75				
30	75	0		24.48	24.48	24.40				
30	1	1	16-QAM	24.78	24.72	24.48	24.76	0.3251		
30	1	1	64-QAM	23.27	23.13	22.98				
30	1	1	256-QAM	20.95	20.89	20.72				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.06	25.66	25.46	26.04	0.4365		
40	1	104		25.51	25.25	25.30				
40	50	25		25.42	25.44	25.34				
40	1	0		22.23	22.16	21.89				
40	1	105		21.90	21.76	21.79				
40	100	0		24.97	24.94	24.87				
40	1	1	QPSK	25.74	25.63	25.41			24.83	0.3304
40	1	104		25.46	25.25	25.23				
40	50	25		25.41	25.42	25.25				
40	1	0		22.28	22.06	21.97				
40	1	105		21.99	21.78	21.90				
40	100	0		24.49	24.42	24.39				
40	1	1	16-QAM	24.85	24.80	24.48	24.83	0.3304		
40	1	1	64-QAM	23.32	23.25	22.93				
40	1	1	256-QAM	21.03	20.90	20.75				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.30	25.18	25.12	25.28	0.3664		
50	1	131		24.82	24.70	24.62				
50	64	32		25.07	25.12	24.87				
50	1	0		21.78	21.64	21.65				
50	1	132		21.32	21.16	21.16				
50	128	0		24.57	24.59	24.35				
50	1	1	QPSK	25.30	25.18	25.15			24.39	0.2985
50	1	131		24.77	24.68	24.61				
50	64	32		25.08	25.09	24.87				
50	1	0		21.76	21.68	21.63				
50	1	132		21.29	21.16	21.13				
50	128	0		24.10	24.05	23.88				
50	1	1	16-QAM	24.41	24.29	24.26	24.39	0.2985		
50	1	1	64-QAM	22.85	22.69	22.73				
50	1	1	256-QAM	20.57	20.44	20.52				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.46	25.32	25.49	25.47	0.3828		
60	1	160		24.80	24.87	24.89				
60	81	40		25.23	25.19	25.14				
60	1	0		21.93	21.82	21.90				
60	1	161		21.28	21.32	21.41				
60	162	0		24.71	24.68	24.67				
60	1	1	QPSK	25.46	25.30	25.41			24.57	0.3112
60	1	160		24.79	24.85	24.83				
60	81	40		25.23	25.19	25.13				
60	1	0		21.91	21.77	21.97				
60	1	161		21.27	21.29	21.38				
60	162	0		24.24	24.18	24.19				
60	1	1	16-QAM	24.57	24.53	24.59	24.57	0.3112		
60	1	1	64-QAM	23.08	22.89	22.88				
60	1	1	256-QAM	20.80	20.66	20.62				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.40	25.22	25.27	25.38	0.3750
70	1	187		24.53	24.65	24.58		
70	90	45		25.06	25.02	25.02		
70	1	0		21.87	21.77	21.78		
70	1	188		21.15	21.18	21.08		
70	180	0		24.59	24.52	24.56		
70	1	1	QPSK	25.37	25.19	25.27		
70	1	187		24.57	24.65	24.57		
70	90	45		25.07	25.04	25.00		
70	1	0		21.86	21.75	21.79		
70	1	188		21.04	21.17	21.04		
70	180	0		24.05	24.04	24.03		
70	1	1	16-QAM	24.59	24.40	24.38	24.57	0.3112
70	1	1	64-QAM	22.88	22.88	22.82		
70	1	1	256-QAM	20.72	20.49	20.56		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.55	25.44	25.40	25.53	0.3882
80	1	215		24.76	24.84	24.78		
80	108	54		25.25	25.19	25.16		
80	1	0		21.97	21.94	21.94		
80	1	216		21.21	21.32	21.26		
80	216	0		24.68	24.71	24.66		
80	1	1	QPSK	25.52	25.39	25.34		
80	1	215		24.72	24.77	24.74		
80	108	54		25.21	25.26	25.12		
80	1	0		22.02	21.97	21.89		
80	1	216		21.21	21.30	21.28		
80	216	0		24.18	24.20	24.14		
80	1	1	16-QAM	24.60	24.60	24.51	24.58	0.3119
80	1	1	64-QAM	23.04	22.92	22.92		
80	1	1	256-QAM	20.78	20.77	20.68		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.53	25.56	25.57	25.59	0.3936		
90	1	243		24.91	24.81	24.85				
90	120	60		25.21	25.18	25.21				
90	1	0		21.99	22.03	22.10				
90	1	244		21.28	21.28	21.33				
90	243	0		24.69	24.73	24.70				
90	1	1	QPSK	25.50	25.58	25.61			24.68	0.3192
90	1	243		24.82	24.82	24.86				
90	120	60		25.17	25.20	25.25				
90	1	0		22.06	22.03	22.09				
90	1	244		21.40	21.29	21.39				
90	243	0		24.17	24.28	24.21				
90	1	1	16-QAM	24.70	24.67	24.70	24.68	0.3192		
90	1	1	64-QAM	23.10	23.14	23.01				
90	1	1	256-QAM	20.84	20.85	20.86				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	25.66	-	25.64	0.3981		
100	1	271		-	24.85	-				
100	135	67		-	25.22	-				
100	1	0		-	22.08	-				
100	1	272		-	21.40	-				
100	270	0		-	24.77	-				
100	1	1	QPSK	-	25.65	-			24.72	0.3221
100	1	271		-	24.82	-				
100	135	67		-	25.18	-				
100	1	0		-	22.16	-				
100	1	272		-	21.35	-				
100	270	0		-	24.18	-				
100	1	1	16-QAM	-	24.74	-	24.72	0.3221		
100	1	1	64-QAM	-	23.23	-				
100	1	1	256-QAM	-	20.97	-				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.87	25.71	25.42	25.86	0.3999
20	1	49		25.62	25.53	25.40		
20	25	12		25.86	25.67	25.48		
20	1	0		22.33	22.10	21.99		
20	1	50		22.23	21.94	21.91		
20	50	0		25.36	25.16	24.93		
20	1	1	QPSK	25.87	25.70	25.54	25.86	0.3999
20	1	49		25.61	25.49	25.36		
20	25	12		25.88	25.76	25.40		
20	1	0		22.31	22.16	21.87		
20	1	50		22.10	21.96	21.82		
20	50	0		24.86	24.70	24.54		
20	1	1	16-QAM	24.98	24.81	24.57	24.96	0.3251
20	1	1	64-QAM	23.43	23.23	22.93		
20	1	1	256-QAM	21.17	21.06	20.73		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.97	25.91	25.61	25.95	0.4083
30	1	76		25.66	25.36	25.43		
30	36	18		25.79	25.71	25.45		
30	1	0		22.47	22.36	22.09		
30	1	77		22.08	21.74	21.78		
30	75	0		24.78	25.19	24.96		
30	1	1	QPSK	25.91	25.91	25.60		
30	1	76		25.60	25.37	25.45		
30	36	18		25.74	25.61	25.48		
30	1	0		22.49	22.45	22.03		
30	1	77		22.09	21.85	21.93		
30	75	0		24.85	24.72	24.47		
30	1	1	16-QAM	24.91	24.93	24.73	24.91	0.3214
30	1	1	64-QAM	23.31	23.35	23.14		
30	1	1	256-QAM	21.32	20.96	20.85		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.04	25.99	25.65	26.02	0.4150
40	1	104		25.63	25.44	25.45		
40	50	25		25.74	25.69	25.56		
40	1	0		22.60	22.67	22.08		
40	1	105		22.14	21.86	21.93		
40	100	0		25.28	25.20	25.11		
40	1	1	QPSK	26.04	25.95	25.61		
40	1	104		25.61	25.38	25.39		
40	50	25		25.75	25.73	25.55		
40	1	0		22.53	22.44	22.12		
40	1	105		22.14	21.90	21.98		
40	100	0		24.79	24.73	24.57		
40	1	1	16-QAM	25.14	25.09	24.72	25.12	0.3373
40	1	1	64-QAM	23.58	23.62	23.25		
40	1	1	256-QAM	21.35	21.21	20.93		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.67	25.55	25.47	25.65	0.3811		
50	1	131		25.23	25.04	25.11				
50	64	32		25.50	25.46	25.33				
50	1	0		22.16	21.97	21.98				
50	1	132		21.71	21.62	21.57				
50	128	0		25.04	24.93	24.82				
50	1	1	QPSK	25.67	25.58	25.46			24.71	0.3069
50	1	131		25.24	25.12	25.04				
50	64	32		25.48	25.48	25.29				
50	1	0		22.16	22.08	21.98				
50	1	132		21.67	21.57	21.52				
50	128	0		24.47	24.40	24.26				
50	1	1	16-QAM	24.73	24.67	24.61	24.71	0.3069		
50	1	1	64-QAM	23.32	23.21	23.06				
50	1	1	256-QAM	20.94	20.95	20.77				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.79	25.63	25.66	25.77	0.3917		
60	1	160		25.09	25.05	25.03				
60	81	40		25.53	25.44	25.34				
60	1	0		22.22	22.09	22.14				
60	1	161		21.56	21.55	21.52				
60	162	0		25.05	24.95	24.86				
60	1	1	QPSK	25.72	25.63	25.65			24.85	0.3170
60	1	160		25.05	25.05	25.05				
60	81	40		25.55	25.51	25.31				
60	1	0		22.28	22.13	22.16				
60	1	161		21.55	21.57	21.52				
60	162	0		24.50	24.43	24.39				
60	1	1	16-QAM	24.87	24.86	24.81	24.85	0.3170		
60	1	1	64-QAM	23.36	23.15	23.21				
60	1	1	256-QAM	21.09	20.98	20.92				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.86	25.70	25.70	25.84	0.3981
70	1	187		25.02	25.14	25.09		
70	90	45		25.46	25.53	25.45		
70	1	0		22.39	22.24	22.20		
70	1	188		21.39	21.55	21.56		
70	180	0		24.97	25.01	24.94		
70	1	1	QPSK	25.86	25.71	25.74		
70	1	187		24.95	24.98	25.11		
70	90	45		25.49	25.56	25.45		
70	1	0		22.41	22.22	22.29		
70	1	188		21.41	21.46	21.54		
70	180	0		24.50	24.54	24.49		
70	1	1	16-QAM	25.00	24.92	24.82	24.98	0.3266
70	1	1	64-QAM	23.40	23.28	23.36		
70	1	1	256-QAM	21.17	21.00	21.07		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.88	25.76	25.81	25.95	0.4083
80	1	215		24.97	25.10	25.05		
80	108	54		25.49	25.47	25.43		
80	1	0		22.36	22.22	22.28		
80	1	216		21.45	21.58	21.60		
80	216	0		24.96	24.94	24.97		
80	1	1	QPSK	25.97	25.80	25.79		
80	1	215		24.98	25.06	25.11		
80	108	54		25.50	25.48	25.42		
80	1	0		22.43	22.33	22.31		
80	1	216		21.46	21.53	21.57		
80	216	0		24.54	24.46	24.47		
80	1	1	16-QAM	25.02	24.95	24.92	25.00	0.3281
80	1	1	64-QAM	23.44	23.41	23.45		
80	1	1	256-QAM	21.25	21.13	21.08		
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.93	25.83	25.83	25.91	0.4046
90	1	243		25.03	25.00	25.11		
90	120	60		25.55	25.47	25.47		
90	1	0		22.36	22.27	22.34		
90	1	244		21.52	21.57	21.63		
90	243	0		24.96	24.96	24.99		
90	1	1	QPSK	25.88	25.85	25.88		
90	1	243		25.00	25.03	25.04		
90	120	60		25.52	25.47	25.52		
90	1	0		22.46	22.30	22.29		
90	1	244		21.57	21.54	21.54		
90	243	0		24.45	24.42	24.51		
90	1	1	16-QAM	25.08	24.96	24.94	25.06	0.3327
90	1	1	64-QAM	23.58	23.43	23.44		
90	1	1	256-QAM	21.22	21.11	21.12		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 Maximum Average Power [dBm] (GT - LC = -0.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	26.00	-	25.98	0.4111
100	1	271		-	24.95	-		
100	135	67		-	25.48	-		
100	1	0		-	22.45	-		
100	1	272		-	21.53	-		
100	270	0		-	24.97	-		
100	1	1	QPSK	-	26.00	-		
100	1	271		-	25.00	-		
100	135	67		-	25.47	-		
100	1	0		-	22.32	-		
100	1	272		-	21.50	-		
100	270	0		-	24.43	-		
100	1	1	16-QAM	-	25.03	-	25.01	0.3289
100	1	1	64-QAM	-	23.50	-		
100	1	1	256-QAM	-	21.29	-		
Limit	EIRP < 1W			Result			Pass	



Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -2.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
5	1	1	PI/2 BPSK	23.81	23.82	23.74	19.36	0.0863		
5	1	23		23.75	23.76	23.74				
5	12	6		23.82	23.70	23.73				
5	1	0		23.25	23.21	23.22				
5	1	24		23.25	23.27	23.26				
5	25	0		23.27	23.23	23.22				
5	1	1	QPSK	23.81	23.75	23.69			18.31	0.0678
5	1	23		23.73	23.66	23.71				
5	12	6		23.75	23.73	23.71				
5	1	0		22.78	22.76	22.70				
5	1	24		22.66	22.73	22.71				
5	25	0		22.77	22.70	22.74				
5	1	1	16-QAM	22.77	22.71	22.68	18.31	0.0678		
5	1	1	64-QAM	21.51	21.40	21.35				
5	1	1	256-QAM	18.78	18.75	18.66				
Limit	Power < 100W			Result			Pass			

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -2.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
10	1	1	PI/2 BPSK	-	23.74	-	19.33	0.0857		
10	1	50		-	23.79	-				
10	25	12		-	23.72	-				
10	1	0		-	23.28	-				
10	1	51		-	23.26	-				
10	50	0		-	23.23	-				
10	1	1	QPSK	-	23.73	-			18.23	0.0665
10	1	50		-	23.73	-				
10	25	12		-	23.75	-				
10	1	0		-	22.64	-				
10	1	51		-	22.74	-				
10	50	0		-	22.78	-				
10	1	1	16-QAM	-	22.69	-	18.23	0.0665		
10	1	1	64-QAM	-	21.40	-				
10	1	1	256-QAM	-	18.75	-				
Limit	Power < 100W			Result			Pass			



NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	-	23.74	-	19.35	0.0861
5	1	23		-	23.79	-		
5	12	6		-	23.73	-		
5	1	0		-	23.27	-		
5	1	24		-	23.32	-		
5	25	0		-	23.21	-		
5	1	1	QPSK	-	23.74	-		
5	1	23		-	23.81	-		
5	12	6		-	23.74	-		
5	1	0		-	22.75	-		
5	1	24		-	22.77	-		
5	25	0		-	22.76	-		
5	1	1	16-QAM	-	22.71	-	18.25	0.0668
5	1	1	64-QAM	-	21.42	-		
5	1	1	256-QAM	-	18.73	-		
Limit	Reporting only			Result			N/A	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -2.31 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	23.82	-	19.36	0.0863
10	1	50		-	23.71	-		
10	25	12		-	23.67	-		
10	1	0		-	23.30	-		
10	1	51		-	23.19	-		
10	50	0		-	23.18	-		
10	1	1	QPSK	-	23.79	-		
10	1	50		-	23.76	-		
10	25	12		-	23.72	-		
10	1	0		-	22.77	-		
10	1	51		-	22.78	-		
10	50	0		-	22.77	-		
10	1	1	16-QAM	-	22.75	-	18.29	0.0675
10	1	1	64-QAM	-	21.44	-		
10	1	1	256-QAM	-	18.74	-		
Limit	Reporting only			Result			N/A	



NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -2.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
15	1	1	PI/2 BPSK	-	23.78	-	19.40	0.0871		
15	1	77		-	23.74	-				
15	36	18		-	23.84	-				
15	1	0		-	23.27	-				
15	1	78		-	23.27	-				
15	75	0		-	23.32	-				
15	1	1	QPSK	-	23.84	-			18.31	0.0678
15	1	77		-	23.83	-				
15	36	18		-	23.86	-				
15	1	0		-	22.99	-				
15	1	78		-	22.73	-				
15	75	0		-	22.87	-				
15	1	1	16-QAM	-	22.77	-	18.31	0.0678		
15	1	1	64-QAM	-	21.28	-				
15	1	1	256-QAM	-	18.79	-				
Limit	Reporting only			Result			N/A			

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -2.31 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
20	1	1	PI/2 BPSK	-	23.80	-	19.40	0.0871		
20	1	104		-	23.85	-				
20	50	25		-	23.77	-				
20	1	0		-	23.32	-				
20	1	105		-	23.34	-				
20	100	0		-	23.34	-				
20	1	1	QPSK	-	23.77	-			18.24	0.0667
20	1	104		-	23.86	-				
20	50	25		-	23.80	-				
20	1	0		-	22.78	-				
20	1	105		-	22.82	-				
20	100	0		-	22.89	-				
20	1	1	16-QAM	-	22.70	-	18.24	0.0667		
20	1	1	64-QAM	-	21.32	-				
20	1	1	256-QAM	-	18.84	-				
Limit	Reporting only			Result			N/A			



<MIMO Mode>

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	22.58	22.36	22.40	21.36	21.17	21.45	25.02	24.82	24.96	25.12	0.3251
20	1	49		22.53	22.18	22.67	21.33	21.02	21.46	24.98	24.65	25.12		
20	25	12		22.63	22.36	22.60	21.22	21.10	21.31	24.99	24.79	25.01		
20	1	0		20.57	20.54	20.38	19.38	19.14	19.35	23.03	22.91	22.91		
20	1	50		20.47	20.26	20.56	19.30	19.12	19.36	22.93	22.74	23.01		
20	51	0		21.05	20.88	21.00	19.74	19.60	19.82	23.45	23.30	23.46		
20	1	1	16-QAM	22.28	21.78	21.88	20.90	20.90	20.85	24.65	24.37	24.41	24.65	0.2917
20	1	1	64-QAM	20.36	20.23	20.35	19.40	19.25	19.43	22.92	22.78	22.92		
20	1	1	256-QAM	17.42	17.32	17.38	16.41	16.24	16.41	19.95	19.82	19.93		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	22.37	22.31	22.53	21.28	21.26	21.36	24.87	24.83	24.99	25.07	0.3214
30	1	76		22.61	22.41	22.59	21.35	21.23	21.45	25.04	24.87	25.07		
30	39	19		22.38	22.22	22.53	21.19	21.12	21.29	24.84	24.72	24.96		
30	1	0		20.40	20.63	20.47	19.40	19.18	19.48	22.94	22.98	23.01		
30	1	77		20.46	20.33	20.69	19.40	19.17	19.43	22.97	22.80	23.12		
30	78	0		20.98	20.77	21.03	19.74	19.67	19.80	23.41	23.27	23.47		
30	1	1	16-QAM	21.89	21.68	22.24	20.88	20.92	21.00	24.42	24.33	24.67	24.67	0.2931
30	1	1	64-QAM	20.36	20.25	20.37	19.36	19.27	19.45	22.90	22.80	22.94		
30	1	1	256-QAM	17.37	17.22	17.45	16.37	16.32	16.47	19.91	19.80	20.00		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	22.60	22.50	22.51	21.31	21.43	21.38	25.01	25.01	24.99	25.27	0.3365
40	1	104		22.46	22.43	22.77	21.26	21.25	21.68	24.91	24.89	25.27		
40	53	26		22.49	22.25	22.61	21.25	21.13	21.28	24.92	24.74	25.01		
40	1	0		20.64	20.41	20.32	19.39	19.32	20.57	23.07	22.91	23.46		
40	1	105		20.49	20.38	20.78	19.32	19.19	19.51	22.95	22.84	23.20		
40	106	0		21.03	20.83	21.17	19.72	19.63	19.84	23.43	23.28	23.57		
40	1	1	16-QAM	22.31	21.99	21.99	20.97	20.85	21.25	24.70	24.47	24.65	24.70	0.2951
40	1	1	64-QAM	20.48	20.48	20.45	19.47	19.34	19.46	23.01	22.96	22.99		
40	1	1	256-QAM	17.52	17.46	17.47	16.44	16.39	16.43	20.02	19.97	19.99		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
50	1	1	QPSK	21.38	21.62	21.44	20.73	20.58	20.71	24.08	24.14	24.10	24.28	0.2679
50	1	131		21.31	21.64	21.73	20.52	20.85	20.76	23.94	24.27	24.28		
50	67	33		21.45	21.69	21.63	20.57	20.72	20.79	24.04	24.24	24.24		
50	1	0		19.56	19.64	19.39	18.61	18.74	18.89	22.12	22.22	22.16		
50	1	132		19.34	19.61	19.75	18.50	18.81	19.06	21.95	22.24	22.43		
50	133	0		19.94	20.18	20.15	19.18	19.17	19.21	22.59	22.71	22.72		
50	1	1	16-QAM	20.96	21.29	20.96	20.27	20.20	20.54	23.64	23.79	23.77	23.79	0.2393
50	1	1	64-QAM	19.45	19.49	19.41	18.73	18.74	18.91	22.12	22.14	22.18		
50	1	1	256-QAM	16.56	16.60	16.32	15.61	15.66	15.79	19.12	19.17	19.07		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
60	1	1	QPSK	22.43	22.13	21.97	21.05	20.93	21.08	24.80	24.58	24.56	24.84	0.3048
60	1	160		22.39	21.96	22.38	21.18	20.92	21.03	24.84	24.48	24.77		
60	81	40		22.23	22.08	22.23	21.03	20.93	21.06	24.68	24.55	24.69		
60	1	0		20.42	20.18	20.18	18.94	18.95	19.00	22.75	22.62	22.64		
60	1	161		20.28	20.05	20.42	19.07	18.93	19.03	22.73	22.54	22.79		
60	162	0		20.77	20.59	20.81	19.53	19.42	19.58	23.20	23.05	23.25		
60	1	1	16-QAM	21.72	21.49	21.48	20.62	20.65	20.80	24.22	24.10	24.16	24.22	0.2642
60	1	1	64-QAM	20.22	19.99	19.80	19.12	18.97	19.15	22.72	22.52	22.50		
60	1	1	256-QAM	17.24	17.04	16.98	16.14	15.95	16.17	19.74	19.54	19.60		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
70	1	1	QPSK	21.48	21.43	21.85	20.86	20.46	21.25	24.19	23.98	24.57	24.76	0.2992
70	1	187		21.36	21.47	22.27	20.66	20.68	21.15	24.03	24.10	24.76		
70	95	47		21.43	21.58	22.28	20.63	20.66	21.15	24.06	24.15	24.76		
70	1	0		19.34	19.48	19.47	18.88	18.60	18.90	22.13	22.07	22.20		
70	1	188		19.13	19.45	19.46	18.59	18.73	18.88	21.88	22.12	22.19		
70	189	0		19.92	20.09	20.17	19.12	19.07	19.30	22.55	22.62	22.77		
70	1	1	16-QAM	20.83	20.75	21.45	20.34	20.29	20.77	23.60	23.54	24.13	24.13	0.2588
70	1	1	64-QAM	19.37	19.75	19.76	18.85	18.50	19.07	22.13	22.18	22.44		
70	1	1	256-QAM	16.35	16.48	17.15	15.71	15.42	16.12	19.05	18.99	19.68		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 6			Antenna 7			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
80	1	1	QPSK	22.45	22.16	22.02	21.06	20.88	21.10	24.82	24.58	24.59	24.87	0.3069
80	1	215		22.55	21.88	22.36	21.03	20.84	21.04	24.87	24.40	24.76		
80	109	54		22.38	22.15	22.33	21.04	20.88	21.03	24.77	24.57	24.74		
80	1	0		20.26	20.63	19.95	19.04	19.28	19.19	22.70	23.02	22.60		
80	1	216		20.33	19.98	20.54	19.11	18.99	18.99	22.77	22.52	22.84		
80	217	0		20.87	20.66	20.82	19.47	19.35	19.56	23.24	23.06	23.25		
80	1	1	16-QAM	21.67	21.49	21.19	20.61	20.68	20.55	24.18	24.11	23.89	24.18	0.2618
80	1	1	64-QAM	20.22	20.03	19.95	19.19	18.97	19.22	22.75	22.54	22.61		
80	1	1	256-QAM	17.25	17.07	16.82	16.09	15.68	16.08	19.72	19.44	19.48		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	22.19	22.09	21.83	21.06	20.82	21.32	24.67	24.51	24.59	24.71	0.2958
90	1	243		22.17	21.92	22.18	21.15	21.20	21.15	24.70	24.59	24.71		
90	123	61		22.22	22.02	22.09	20.96	20.96	21.10	24.65	24.53	24.63		
90	1	0		20.16	19.96	19.84	19.08	18.93	19.04	22.66	22.49	22.47		
90	1	244		20.47	19.91	20.50	19.12	19.35	19.09	22.86	22.65	22.86		
90	245	0		20.72	20.55	20.52	19.51	19.33	19.56	23.17	22.99	23.08		
90	1	1	16-QAM	21.46	21.53	21.17	20.53	20.53	20.51	24.03	24.07	23.86	24.07	0.2553
90	1	1	64-QAM	19.99	19.91	19.75	19.13	19.01	19.30	22.59	22.49	22.54		
90	1	1	256-QAM	17.13	16.96	16.86	15.97	15.77	16.03	19.60	19.42	19.48		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 0 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	22.34	22.05	21.90	21.09	20.74	21.05	24.77	24.45	24.51	24.91	0.3097
100	1	271		22.44	22.06	22.48	21.06	21.12	21.22	24.81	24.63	24.91		
100	137	68		22.35	22.10	22.18	20.89	20.91	21.08	24.69	24.56	24.68		
100	1	0		20.30	20.19	19.83	19.03	18.80	18.96	22.72	22.56	22.43		
100	1	272		20.62	20.20	20.63	19.26	19.19	19.21	23.00	22.73	22.99		
100	273	0		20.89	20.69	20.67	19.50	19.37	19.51	23.26	23.09	23.14		
100	1	1	16-QAM	21.55	21.58	21.34	20.53	20.32	20.50	24.08	24.01	23.95	24.08	0.2559
100	1	1	64-QAM	20.23	19.98	19.95	18.92	18.95	18.99	22.63	22.51	22.51		
100	1	1	256-QAM	17.21	17.06	16.71	16.04	15.75	15.86	19.67	19.46	19.32		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	22.72	22.59	22.45	21.61	21.38	21.37	25.21	25.04	24.95	24.94	0.3119
20	1	49		22.72	22.56	22.60	21.64	21.52	21.30	25.22	25.08	25.01		
20	25	12		22.67	22.70	22.60	21.42	21.27	21.21	25.10	25.05	24.97		
20	1	0		20.63	20.58	20.49	19.62	19.48	19.22	23.16	23.08	22.91		
20	1	50		20.63	20.55	20.49	19.61	19.35	19.36	23.16	23.00	22.97		
20	51	0		21.12	21.14	21.01	19.93	19.79	19.73	23.58	23.53	23.43		
20	1	1	16-QAM	22.14	22.09	21.97	21.02	20.94	20.92	24.63	24.56	24.49	24.35	0.2723
20	1	1	64-QAM	20.73	20.50	20.41	19.56	19.46	19.35	23.19	23.02	22.92		
20	1	1	256-QAM	17.57	17.59	17.43	16.59	16.51	16.32	20.12	20.09	19.92		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	22.59	22.60	22.46	21.53	21.35	21.35	25.10	25.03	24.95	24.90	0.3090
30	1	76		22.62	22.56	22.46	21.66	21.55	21.32	25.18	25.09	24.94		
30	39	19		22.54	22.57	22.45	21.41	21.28	21.16	25.02	24.98	24.86		
30	1	0		20.73	20.73	20.47	19.57	19.49	19.30	23.20	23.16	22.93		
30	1	77		20.73	20.66	20.54	19.54	19.40	19.34	23.19	23.09	22.99		
30	78	0		21.18	21.11	20.94	19.97	19.89	19.77	23.63	23.55	23.40		
30	1	1	16-QAM	22.32	22.40	21.92	21.12	20.94	20.90	24.77	24.74	24.45	24.49	0.2812
30	1	1	64-QAM	20.60	20.49	20.40	19.63	19.41	19.40	23.15	22.99	22.94		
30	1	1	256-QAM	17.67	17.55	17.39	16.56	16.53	16.37	20.16	20.08	19.92		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	22.72	22.71	22.50	21.44	21.63	21.42	25.14	25.21	25.00	24.93	0.3112
40	1	104		22.70	22.67	22.48	21.63	21.52	21.38	25.21	25.14	24.98		
40	53	26		22.58	22.59	22.46	21.40	21.28	21.20	25.04	24.99	24.89		
40	1	0		20.72	20.67	20.51	19.60	19.70	19.45	23.21	23.22	23.02		
40	1	105		20.63	20.65	20.63	19.54	19.56	19.45	23.13	23.15	23.09		
40	106	0		21.11	21.09	20.96	19.86	19.77	19.74	23.54	23.49	23.40		
40	1	1	16-QAM	22.41	22.21	22.03	21.16	21.08	20.96	24.84	24.69	24.54	24.56	0.2858
40	1	1	64-QAM	20.69	20.63	20.41	19.67	19.66	19.53	23.22	23.18	23.00		
40	1	1	256-QAM	17.76	17.69	17.54	16.65	16.57	16.45	20.25	20.18	20.04		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	22.41	22.28	22.24	21.16	21.23	21.21	24.84	24.80	24.77	24.58	0.2871
50	1	131		22.37	22.42	22.28	21.25	21.14	21.15	24.86	24.84	24.76		
50	67	33		22.40	22.38	22.25	21.15	21.12	21.01	24.83	24.81	24.68		
50	1	0		20.42	20.34	20.23	19.37	19.22	19.12	22.94	22.83	22.72		
50	1	132		20.39	20.28	20.40	19.29	19.13	19.04	22.89	22.75	22.78		
50	133	0		20.90	20.89	20.85	19.60	19.73	19.50	23.31	23.36	23.24		
50	1	1	16-QAM	22.26	22.16	21.75	20.95	20.82	20.66	24.66	24.55	24.25	24.38	0.2742
50	1	1	64-QAM	20.30	20.21	20.18	19.45	19.30	19.17	22.91	22.79	22.71		
50	1	1	256-QAM	17.38	17.36	17.18	16.37	16.30	16.23	19.91	19.87	19.74		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	22.38	22.25	22.12	21.27	21.15	21.12	24.87	24.75	24.66	24.65	0.2917
60	1	160		22.45	22.44	22.25	21.32	21.16	21.28	24.93	24.86	24.80		
60	81	40		22.41	22.41	22.24	21.16	21.23	21.01	24.84	24.87	24.68		
60	1	0		20.42	20.39	20.23	19.23	19.24	19.12	22.88	22.86	22.72		
60	1	161		20.33	20.41	20.47	19.30	19.21	19.14	22.86	22.86	22.87		
60	162	0		20.95	20.92	20.82	19.65	19.69	19.51	23.36	23.36	23.22		
60	1	1	16-QAM	21.98	21.72	21.69	20.75	20.73	20.70	24.42	24.26	24.23	24.14	0.2594
60	1	1	64-QAM	20.30	20.26	20.13	19.37	19.31	19.11	22.87	22.82	22.66		
60	1	1	256-QAM	17.33	17.23	17.14	16.22	16.21	16.10	19.82	19.76	19.66		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	22.42	22.19	22.30	21.33	21.33	21.24	24.92	24.79	24.81	24.66	0.2924
70	1	187		22.36	22.60	22.39	21.15	21.13	21.07	24.81	24.94	24.79		
70	95	47		22.38	22.43	22.45	21.18	21.11	21.12	24.83	24.83	24.85		
70	1	0		20.50	20.32	20.29	19.37	19.40	19.04	22.98	22.89	22.72		
70	1	188		20.28	20.33	20.45	19.07	19.10	18.90	22.73	22.77	22.75		
70	189	0		20.93	20.85	20.91	19.61	19.59	19.60	23.33	23.28	23.31		
70	1	1	16-QAM	21.71	21.60	21.57	21.07	20.90	20.67	24.41	24.27	24.15	24.13	0.2588
70	1	1	64-QAM	20.27	20.20	20.36	19.37	19.29	19.14	22.85	22.78	22.80		
70	1	1	256-QAM	17.41	17.27	17.18	16.29	16.32	16.26	19.90	19.83	19.75		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	22.42	22.23	22.12	21.29	21.29	21.17	24.90	24.80	24.68	24.66	0.2924
80	1	215		22.50	22.54	22.36	21.18	21.23	20.89	24.90	24.94	24.70		
80	109	54		22.38	22.42	22.38	21.17	21.18	21.18	24.83	24.85	24.83		
80	1	0		20.48	20.48	20.43	19.26	19.56	19.27	22.92	23.05	22.90		
80	1	216		20.52	20.58	20.43	19.23	19.16	19.02	22.93	22.94	22.79		
80	217	0		20.86	20.96	21.00	19.61	19.59	19.60	23.29	23.34	23.37		
80	1	1	16-QAM	21.86	21.66	21.94	21.00	20.88	20.69	24.46	24.30	24.37	24.18	0.2618
80	1	1	64-QAM	20.28	20.25	20.27	19.40	19.25	19.32	22.87	22.79	22.83		
80	1	1	256-QAM	17.33	17.30	17.33	16.19	16.25	16.10	19.81	19.82	19.77		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	22.20	22.41	22.47	21.31	21.37	21.24	24.79	24.93	24.91	24.67	0.2931
90	1	243		22.46	22.61	22.46	21.11	21.15	21.14	24.85	24.95	24.86		
90	123	61		22.40	22.39	22.37	21.25	21.19	21.10	24.87	24.84	24.79		
90	1	0		20.38	20.28	20.36	19.27	19.11	19.17	22.87	22.74	22.82		
90	1	244		20.64	20.49	20.54	19.16	19.13	19.18	22.97	22.87	22.92		
90	245	0		20.93	20.92	20.83	19.65	19.66	19.57	23.35	23.35	23.26		
90	1	1	16-QAM	21.79	21.77	21.81	20.86	20.84	20.77	24.36	24.34	24.33	24.08	0.2559
90	1	1	64-QAM	20.36	20.29	20.37	19.39	19.45	19.21	22.91	22.90	22.84		
90	1	1	256-QAM	17.38	17.40	17.27	16.34	16.09	16.15	19.90	19.80	19.76		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = -0.28 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	22.37	-	-	21.26	-	-	24.86	-	24.63	0.2904
100	1	271		-	22.54	-	-	21.16	-	-	24.91	-		
100	137	68		-	22.36	-	-	21.18	-	-	24.82	-		
100	1	0		-	20.43	-	-	19.31	-	-	22.92	-		
100	1	272		-	20.73	-	-	19.27	-	-	23.07	-		
100	273	0		-	20.95	-	-	19.59	-	-	23.33	-		
100	1	1	16-QAM	-	22.15	-	-	20.84	-	-	24.55	-	24.27	0.2673
100	1	1	64-QAM	-	20.45	-	-	19.21	-	-	22.88	-		
100	1	1	256-QAM	-	17.42	-	-	16.24	-	-	19.88	-		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	22.71	22.56	22.44	21.39	21.31	21.15	25.11	24.99	24.85	25.13	0.3258
20	1	49		22.79	22.71	22.40	21.37	21.08	21.06	25.15	24.98	24.79		
20	25	12		22.76	22.74	22.66	21.24	21.20	21.01	25.08	25.05	24.92		
20	1	0		20.73	20.76	20.55	19.43	19.37	19.25	23.14	23.13	22.96		
20	1	50		20.71	20.58	20.48	19.37	19.12	19.14	23.10	22.92	22.87		
20	51	0		21.29	21.17	21.10	19.88	19.79	19.59	23.65	23.54	23.42		
20	1	1	16-QAM	22.54	22.16	22.12	21.01	20.83	20.77	24.85	24.56	24.51	24.83	0.3041
20	1	1	64-QAM	20.83	20.62	20.52	19.54	19.43	19.32	23.24	23.08	22.97		
20	1	1	256-QAM	17.69	17.54	17.45	16.60	16.46	16.26	20.19	20.04	19.91		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	22.89	22.78	22.75	21.45	21.49	21.22	25.24	25.19	25.06	25.22	0.3327
30	1	76		22.62	22.56	22.85	21.28	20.97	21.10	25.01	24.85	25.07		
30	39	19		22.63	22.60	22.60	21.26	21.18	21.01	25.01	24.96	24.89		
30	1	0		20.89	20.87	20.90	19.53	19.52	19.30	23.27	23.26	23.18		
30	1	77		20.78	20.68	20.60	19.24	19.09	19.11	23.09	22.97	22.93		
30	78	0		21.20	21.20	21.15	19.80	19.76	19.65	23.57	23.55	23.47		
30	1	1	16-QAM	22.27	22.37	22.41	21.10	21.05	20.90	24.73	24.77	24.73	24.75	0.2985
30	1	1	64-QAM	20.86	20.87	20.77	19.57	19.54	19.35	23.27	23.27	23.13		
30	1	1	256-QAM	17.92	17.72	17.68	16.66	16.60	16.42	20.35	20.21	20.11		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	23.48	22.99	22.80	21.54	21.42	21.18	25.63	25.29	25.08	25.61	0.3639
40	1	104		22.76	22.72	22.56	21.40	21.20	21.09	25.14	25.04	24.90		
40	53	26		22.75	22.60	22.57	21.32	21.24	21.11	25.10	24.98	24.91		
40	1	0		20.99	20.97	20.84	19.55	19.46	19.32	23.34	23.29	23.16		
40	1	105		20.74	20.67	20.56	19.34	19.15	19.05	23.11	22.99	22.88		
40	106	0		21.21	21.18	21.11	19.82	19.75	19.61	23.58	23.53	23.43		
40	1	1	16-QAM	22.53	22.46	22.49	21.08	21.01	20.87	24.88	24.81	24.77	24.86	0.3062
40	1	1	64-QAM	20.96	21.06	20.75	19.62	19.56	19.37	23.35	23.38	23.12		
40	1	1	256-QAM	17.88	17.91	17.83	16.68	16.61	16.37	20.33	20.32	20.17		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	22.67	22.62	22.38	21.31	21.51	21.18	25.05	25.11	24.83	25.09	0.3228
50	1	131		22.06	22.28	21.93	20.80	20.78	20.74	24.49	24.60	24.39		
50	67	33		22.22	22.26	22.19	21.01	20.94	20.72	24.67	24.66	24.53		
50	1	0		20.43	20.55	20.37	19.38	19.28	19.17	22.95	22.97	22.82		
50	1	132		20.11	19.99	19.96	18.95	18.75	18.83	22.58	22.42	22.44		
50	133	0		20.84	20.83	20.58	19.51	19.41	19.26	23.24	23.19	22.98		
50	1	1	16-QAM	22.05	22.04	21.84	20.85	20.80	20.73	24.50	24.47	24.33	24.48	0.2805
50	1	1	64-QAM	20.49	20.66	20.31	19.42	19.40	19.16	23.00	23.09	22.78		
50	1	1	256-QAM	17.46	17.57	17.33	16.38	16.32	16.22	19.96	20.00	19.82		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	22.64	22.56	22.65	21.20	21.09	21.19	24.99	24.90	24.99	24.97	0.3141
60	1	160		22.21	22.25	22.25	20.81	20.77	20.56	24.58	24.58	24.50		
60	81	40		22.46	22.39	22.39	21.04	21.03	20.87	24.82	24.77	24.71		
60	1	0		20.72	20.74	20.67	19.30	19.30	19.36	23.08	23.09	23.07		
60	1	161		20.28	20.31	20.27	18.88	18.78	18.81	22.65	22.62	22.61		
60	162	0		20.99	21.01	20.91	19.55	19.54	19.46	23.34	23.35	23.26		
60	1	1	16-QAM	22.44	22.40	22.25	20.93	20.70	20.90	24.76	24.64	24.64	24.74	0.2979
60	1	1	64-QAM	20.62	20.59	20.78	19.42	19.25	19.40	23.07	22.98	23.15		
60	1	1	256-QAM	17.69	17.67	17.48	16.47	16.29	16.46	20.13	20.04	20.01		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	22.65	22.56	22.52	21.40	21.22	21.44	25.08	24.95	25.02	25.06	0.3206
70	1	187		21.84	22.25	22.23	20.55	20.58	20.74	24.25	24.51	24.56		
70	95	47		22.34	22.31	22.26	20.96	20.80	20.82	24.71	24.63	24.61		
70	1	0		20.58	20.51	20.58	19.50	19.17	19.31	23.08	22.90	23.00		
70	1	188		20.05	19.84	20.05	18.65	18.63	18.83	22.42	22.29	22.49		
70	189	0		20.81	20.86	20.78	19.42	19.35	19.38	23.18	23.18	23.15		
70	1	1	16-QAM	21.94	21.84	21.96	20.84	20.97	21.01	24.44	24.44	24.52	24.50	0.2818
70	1	1	64-QAM	20.55	20.44	20.66	19.36	19.21	19.28	23.01	22.88	23.03		
70	1	1	256-QAM	17.63	17.43	17.53	16.29	16.36	16.13	20.02	19.94	19.90		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	22.57	22.57	22.75	21.65	21.04	21.24	25.14	24.88	25.07	25.12	0.3251
80	1	215		22.26	22.04	21.96	20.76	20.72	20.48	24.58	24.44	24.29		
80	109	54		22.53	22.50	22.41	21.07	20.92	21.04	24.87	24.79	24.79		
80	1	0		20.77	20.85	20.82	19.44	19.29	19.21	23.17	23.15	23.10		
80	1	216		20.13	20.24	20.08	18.70	18.68	18.63	22.48	22.54	22.43		
80	217	0		20.95	20.99	20.95	19.45	19.41	19.46	23.27	23.28	23.28		
80	1	1	16-QAM	22.05	22.48	22.38	21.09	20.78	20.77	24.61	24.72	24.66	24.70	0.2951
80	1	1	64-QAM	20.63	20.62	20.73	19.68	19.28	19.60	23.19	23.01	23.21		
80	1	1	256-QAM	17.68	17.63	17.78	16.44	16.38	16.17	20.11	20.06	20.06		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	22.65	22.55	22.76	21.26	21.08	21.24	25.02	24.89	25.08	25.06	0.3206
90	1	243		22.13	22.13	22.12	20.66	20.69	20.96	24.47	24.48	24.59		
90	123	61		22.25	22.29	22.35	20.84	20.93	20.98	24.61	24.67	24.73		
90	1	0		20.74	20.54	20.35	19.38	19.25	19.31	23.12	22.95	22.87		
90	1	244		20.07	20.06	20.07	18.64	18.76	18.62	22.42	22.47	22.42		
90	245	0		20.74	20.84	20.82	19.30	19.34	19.36	23.09	23.16	23.16		
90	1	1	16-QAM	22.15	22.10	22.23	20.80	20.80	20.76	24.54	24.51	24.57	24.55	0.2851
90	1	1	64-QAM	20.51	20.53	20.92	19.33	19.49	19.25	22.97	23.05	23.18		
90	1	1	256-QAM	17.58	17.51	17.65	16.27	16.17	16.17	19.98	19.90	19.98		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	22.72	-	-	21.32	-	-	25.09	-	25.07	0.3214
100	1	271		-	22.35	-	-	20.87	-	-	24.68	-		
100	137	68		-	22.53	-	-	20.96	-	-	24.83	-		
100	1	0		-	20.81	-	-	19.32	-	-	23.14	-		
100	1	272		-	20.29	-	-	18.72	-	-	22.59	-		
100	273	0		-	21.09	-	-	19.43	-	-	23.35	-		
100	1	1	16-QAM	-	22.56	-	-	20.94	-	-	24.84	-	24.82	0.3034
100	1	1	64-QAM	-	20.94	-	-	19.41	-	-	23.25	-		
100	1	1	256-QAM	-	17.76	-	-	16.35	-	-	20.12	-		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	22.82	22.72	22.56	21.79	21.57	21.21	25.35	25.19	24.95	25.33	0.3412
20	1	49		22.67	22.66	22.45	21.59	21.21	21.19	25.17	25.01	24.88		
20	25	12		22.96	22.70	22.57	21.61	21.42	21.18	25.35	25.12	24.94		
20	1	0		20.87	20.86	20.71	19.81	19.58	19.26	23.38	23.28	23.06		
20	1	50		20.68	20.66	20.49	19.57	19.27	19.13	23.17	23.03	22.87		
20	51	0		21.34	21.21	21.08	20.16	19.90	19.64	23.80	23.61	23.43		
20	1	1	16-QAM	22.30	22.31	22.10	21.10	20.88	20.89	24.75	24.66	24.55	24.73	0.2972
20	1	1	64-QAM	20.88	20.84	20.59	19.77	19.40	19.29	23.37	23.19	23.00		
20	1	1	256-QAM	17.91	17.93	17.61	16.71	16.46	16.21	20.36	20.27	19.98		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	22.97	22.89	22.73	21.66	21.75	21.33	25.37	25.37	25.10	25.35	0.3428
30	1	76		22.65	22.57	22.65	21.58	21.27	21.30	25.16	24.98	25.04		
30	39	19		22.78	22.61	22.62	21.51	21.40	21.19	25.20	25.06	24.97		
30	1	0		21.03	20.92	20.83	19.80	19.84	19.49	23.47	23.42	23.22		
30	1	77		20.85	20.65	20.74	19.51	19.35	19.27	23.24	23.06	23.08		
30	78	0		21.28	21.26	21.13	20.07	19.98	19.74	23.73	23.68	23.50		
30	1	1	16-QAM	22.55	22.41	22.39	21.33	21.16	21.06	24.99	24.84	24.79	24.97	0.3141
30	1	1	64-QAM	20.90	21.00	20.73	19.89	19.71	19.53	23.43	23.41	23.18		
30	1	1	256-QAM	17.77	17.87	17.61	16.94	16.79	16.60	20.39	20.37	20.14		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	22.98	23.09	22.72	21.81	21.99	21.51	25.44	25.59	25.17	25.57	0.3606
40	1	104		22.72	22.80	22.51	21.60	21.39	21.36	25.21	25.16	24.98		
40	53	26		22.93	22.70	22.56	21.44	21.49	21.20	25.26	25.15	24.94		
40	1	0		21.05	21.00	20.84	19.97	19.92	19.48	23.55	23.50	23.22		
40	1	105		20.75	20.65	20.58	19.48	19.40	19.36	23.17	23.08	23.02		
40	106	0		21.41	21.19	21.13	20.01	19.92	19.83	23.78	23.61	23.54		
40	1	1	16-QAM	22.34	22.38	22.25	21.55	21.32	21.05	24.97	24.89	24.70	24.95	0.3126
40	1	1	64-QAM	21.24	20.91	20.88	19.95	19.86	19.62	23.65	23.43	23.31		
40	1	1	256-QAM	18.04	17.93	17.74	17.04	16.87	16.65	20.58	20.44	20.24		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	22.62	22.58	22.51	21.45	21.37	21.30	25.08	25.03	24.96	25.06	0.3206
50	1	131		22.29	22.20	22.12	21.21	21.01	21.01	24.79	24.66	24.61		
50	67	33		22.60	22.50	22.35	21.24	21.23	20.99	24.98	24.92	24.73		
50	1	0		20.57	20.69	20.48	19.62	19.39	19.47	23.13	23.10	23.01		
50	1	132		20.21	20.45	20.17	19.31	18.97	19.03	22.79	22.78	22.65		
50	133	0		20.99	21.04	20.84	19.72	19.68	19.50	23.41	23.42	23.23		
50	1	1	16-QAM	22.15	22.15	22.22	21.00	21.02	20.94	24.62	24.63	24.64	24.62	0.2897
50	1	1	64-QAM	20.64	20.69	20.59	19.70	19.49	19.60	23.21	23.14	23.13		
50	1	1	256-QAM	17.64	17.53	17.50	16.65	16.48	16.36	20.18	20.05	19.98		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	22.79	22.65	22.50	21.49	21.45	21.35	25.20	25.10	24.97	25.18	0.3296
60	1	160		22.00	22.23	22.11	20.93	20.84	20.95	24.51	24.60	24.58		
60	81	40		22.48	22.46	22.31	21.32	21.14	21.00	24.95	24.86	24.71		
60	1	0		20.80	20.78	20.67	19.63	19.49	19.60	23.26	23.19	23.18		
60	1	161		20.02	20.25	20.14	19.12	18.90	18.85	22.60	22.64	22.55		
60	162	0		21.07	20.99	20.89	19.80	19.67	19.57	23.49	23.39	23.29		
60	1	1	16-QAM	22.51	22.21	22.05	21.20	21.03	21.10	24.91	24.67	24.61	24.89	0.3083
60	1	1	64-QAM	20.66	20.74	20.77	19.71	19.41	19.54	23.22	23.14	23.21		
60	1	1	256-QAM	17.68	17.70	17.65	16.72	16.47	16.58	20.24	20.14	20.16		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	22.86	22.78	22.78	21.65	21.50	21.64	25.31	25.20	25.26	25.29	0.3381
70	1	187		22.00	22.25	22.16	20.84	20.77	20.93	24.47	24.58	24.60		
70	95	47		22.53	22.47	22.41	21.24	21.12	21.06	24.94	24.86	24.80		
70	1	0		20.71	20.74	20.50	19.89	19.63	19.20	23.33	23.23	22.91		
70	1	188		20.23	20.29	20.14	18.89	18.71	18.75	22.62	22.58	22.51		
70	189	0		20.95	21.08	20.95	19.66	19.62	19.66	23.36	23.42	23.36		
70	1	1	16-QAM	22.17	22.18	22.06	21.27	21.02	21.18	24.75	24.65	24.65	24.73	0.2972
70	1	1	64-QAM	20.69	20.77	20.60	19.85	19.47	19.65	23.30	23.18	23.16		
70	1	1	256-QAM	17.78	17.77	17.79	16.62	16.59	16.56	20.25	20.23	20.23		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	22.87	23.03	23.16	21.57	21.40	21.67	25.28	25.30	25.49	25.47	0.3524
80	1	215		22.10	22.03	22.17	20.75	20.86	20.91	24.49	24.49	24.60		
80	109	54		22.53	22.41	22.32	21.23	21.19	21.13	24.94	24.85	24.78		
80	1	0		20.74	20.92	20.72	19.70	19.34	19.29	23.26	23.21	23.07		
80	1	216		20.23	20.19	20.10	18.83	18.87	18.88	22.60	22.59	22.54		
80	217	0		20.90	21.03	20.93	19.71	19.74	19.63	23.36	23.44	23.34		
80	1	1	16-QAM	22.17	22.51	22.01	21.16	21.00	20.97	24.70	24.83	24.53	24.81	0.3027
80	1	1	64-QAM	20.72	20.92	20.69	19.79	19.50	19.66	23.29	23.28	23.22		
80	1	1	256-QAM	17.85	17.64	17.70	16.57	16.70	16.37	20.27	20.21	20.10		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	22.68	23.08	22.64	21.50	21.59	21.55	25.14	25.41	25.14	25.39	0.3459
90	1	243		22.10	22.47	22.11	20.85	20.83	20.87	24.53	24.74	24.54		
90	123	61		22.49	22.47	22.57	21.21	21.25	21.10	24.91	24.91	24.91		
90	1	0		20.74	20.82	20.75	19.74	19.67	19.51	23.28	23.29	23.18		
90	1	244		19.99	20.11	20.17	18.94	18.81	18.96	22.51	22.52	22.62		
90	245	0		20.93	21.03	21.00	19.69	19.63	19.63	23.36	23.40	23.38		
90	1	1	16-QAM	22.53	22.47	22.21	21.29	21.08	21.08	24.96	24.84	24.69	24.94	0.3119
90	1	1	64-QAM	20.67	20.81	20.74	19.68	19.58	19.69	23.21	23.25	23.26		
90	1	1	256-QAM	17.66	17.82	17.73	16.59	16.60	16.53	20.17	20.26	20.18		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = -0.02 dBi														
BW	RB	RB	Mod	Antenna 6			Antenna 7			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	23.06	-	-	21.65	-	-	25.42	-	25.40	0.3467
100	1	271		-	22.19	-	-	21.03	-	-	24.66	-		
100	137	68		-	22.53	-	-	21.13	-	-	24.90	-		
100	1	0		-	20.91	-	-	19.77	-	-	23.39	-		
100	1	272		-	20.30	-	-	19.08	-	-	22.74	-		
100	273	0		-	21.04	-	-	19.64	-	-	23.41	-		
100	1	1	16-QAM	-	22.49	-	-	21.56	-	-	25.06	-	25.04	0.3192
100	1	1	64-QAM	-	20.90	-	-	19.99	-	-	23.48	-		
100	1	1	256-QAM	-	17.87	-	-	16.66	-	-	20.32	-		
Limit	EIRP < 1W			Result									Pass	



FR1 n5

Peak-to-Average Ratio

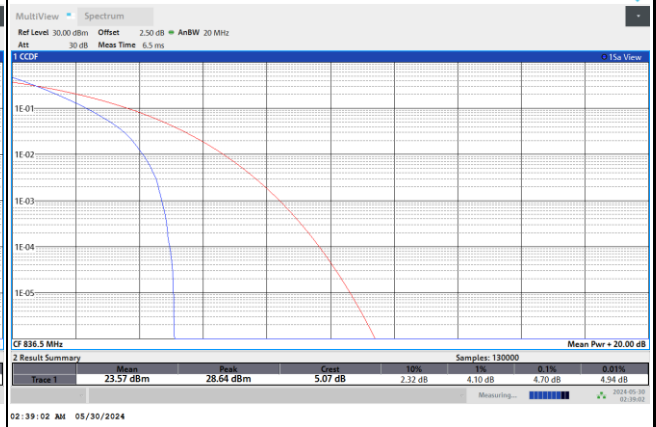
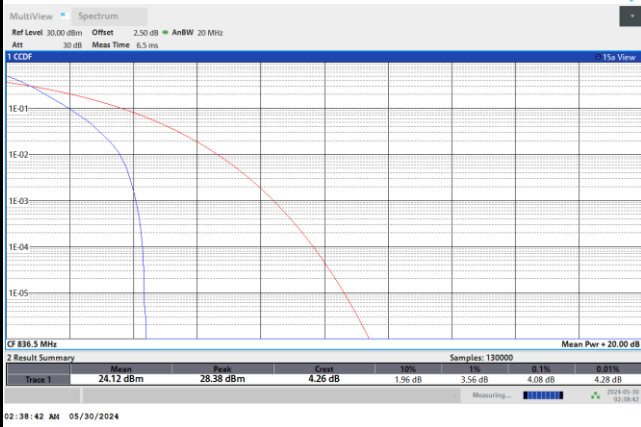
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.08	4.70	5.66	6.00	PASS
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.66				PASS



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

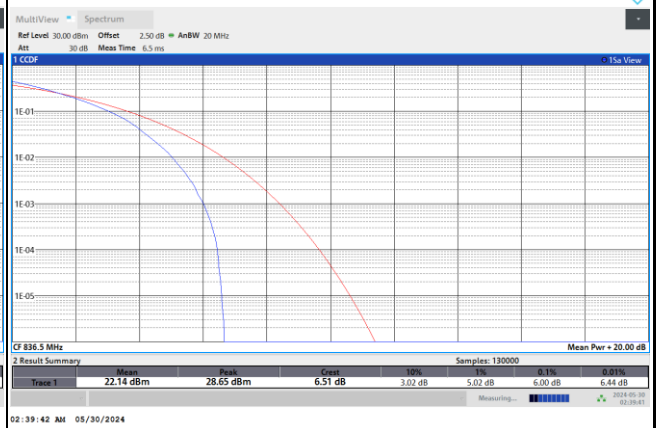
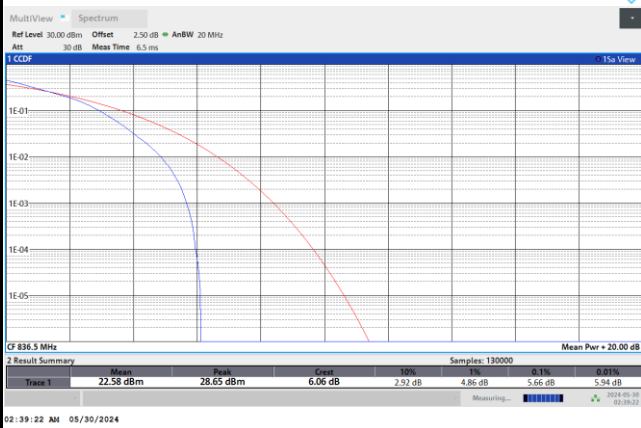
PI/2 BPSK

QPSK

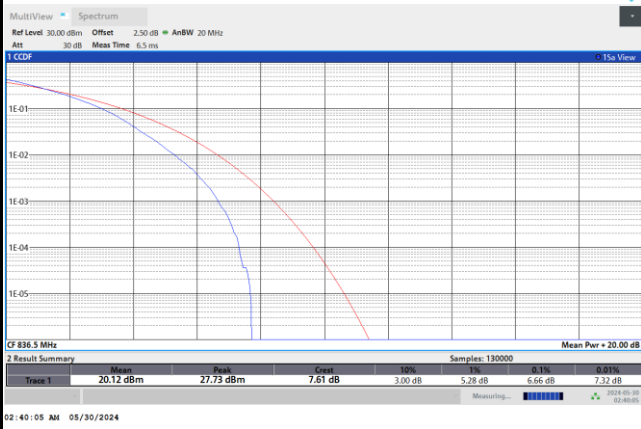


16QAM

64QAM



256QAM





26dB Bandwidth

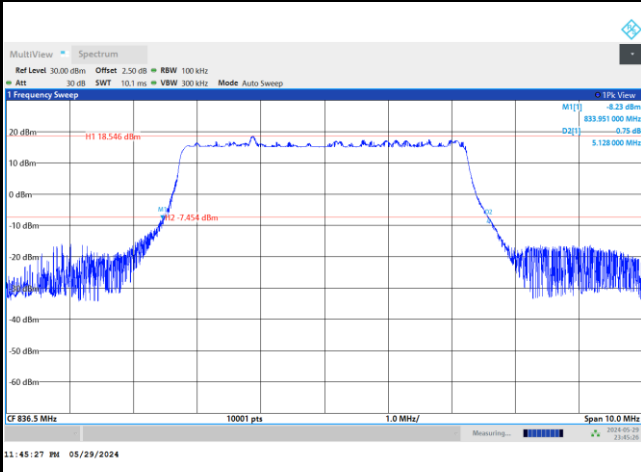
Mode	FR1 n5 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.13		9.85		14.51		19.47	

Mode	FR1 n5 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.32	5.41	10.32	10.31	15.41	15.39	20.68	20.93
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.29	5.35	10.24	10.34	16.10	15.35	20.50	20.47



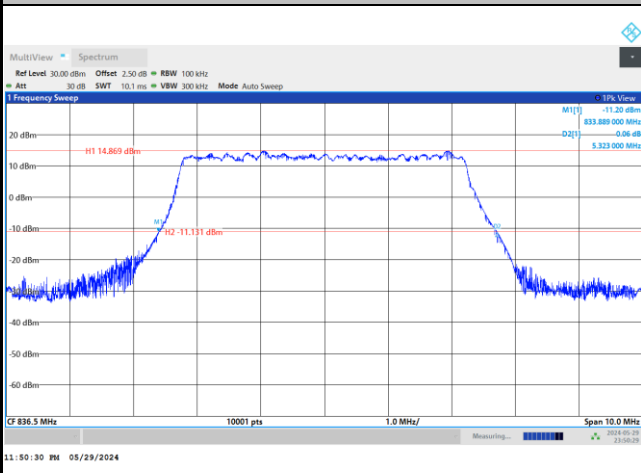
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

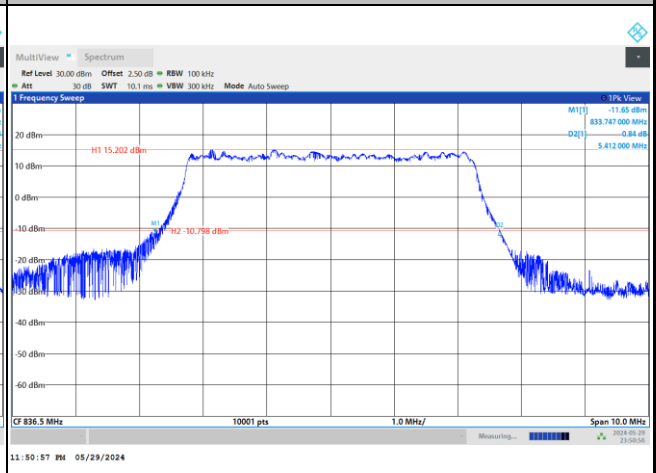


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

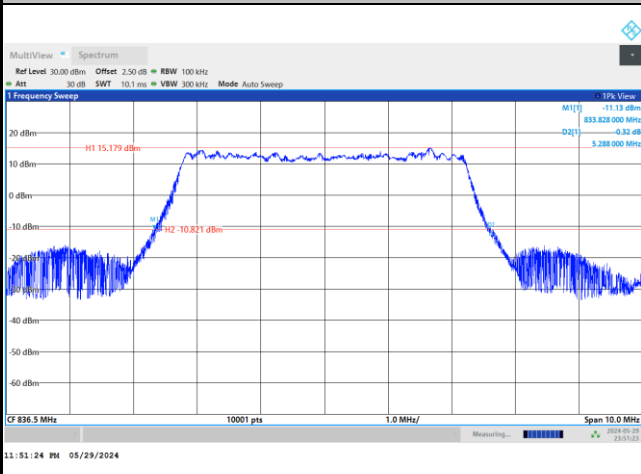
QPSK



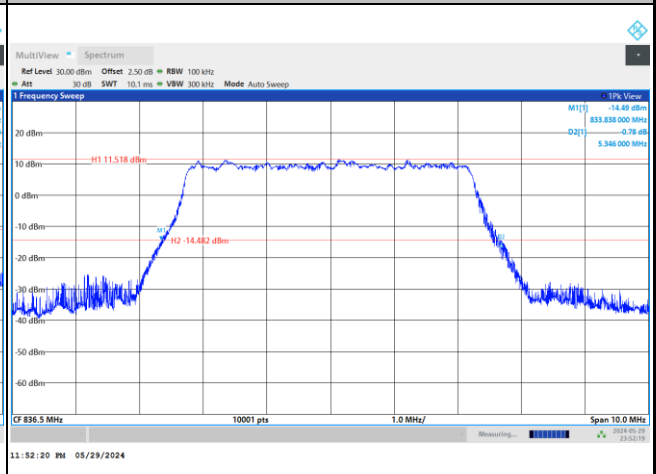
16QAM



64QAM



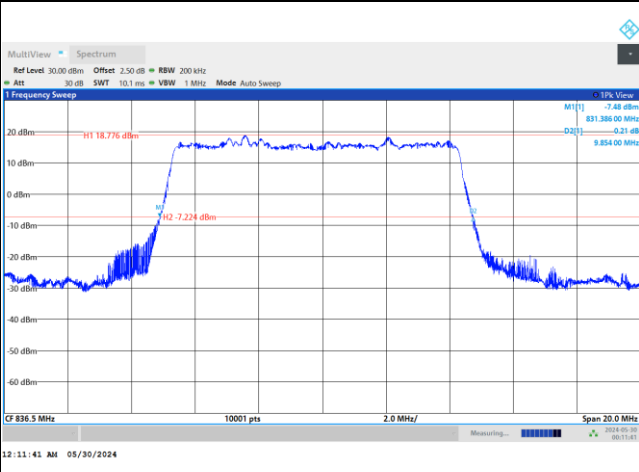
256QAM





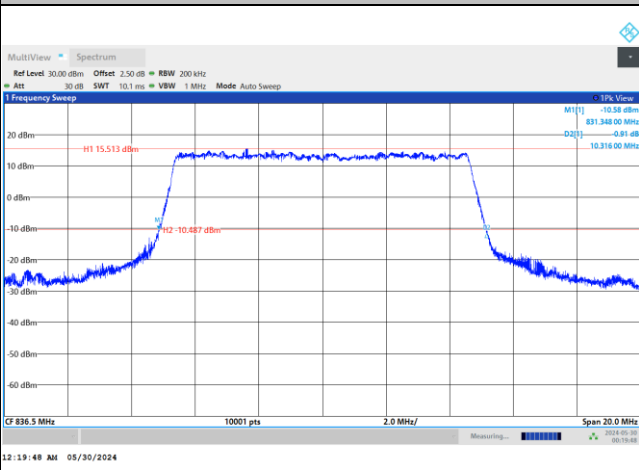
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

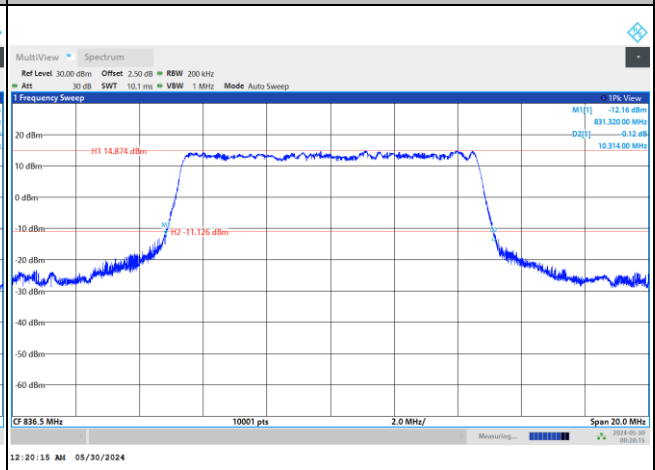


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

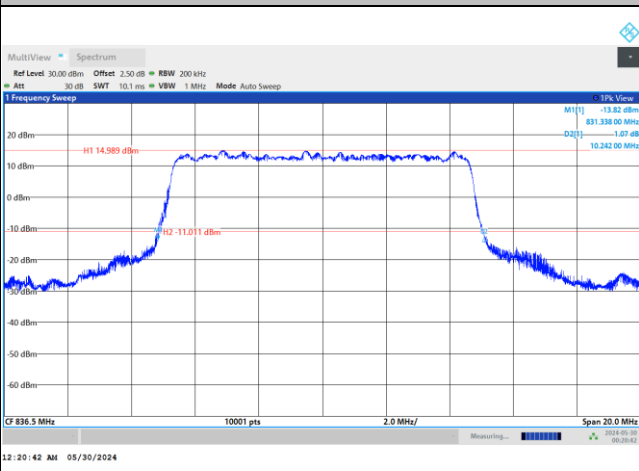
QPSK



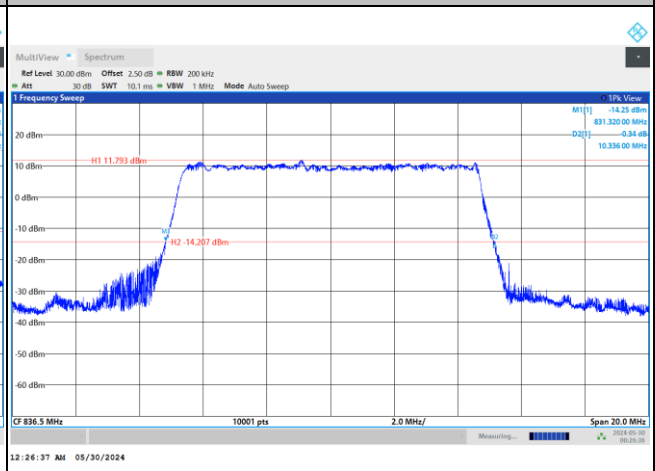
16QAM



64QAM



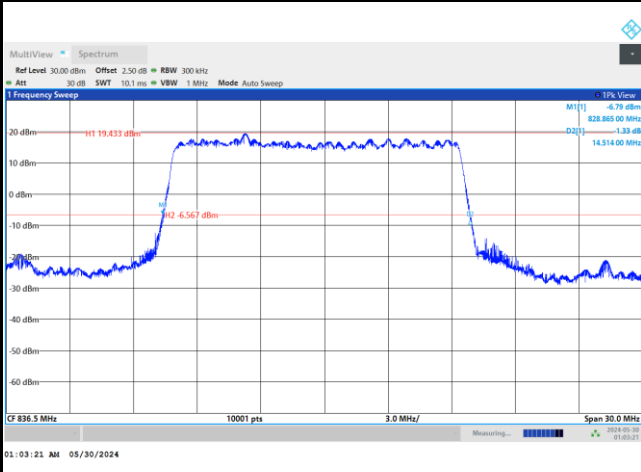
256QAM





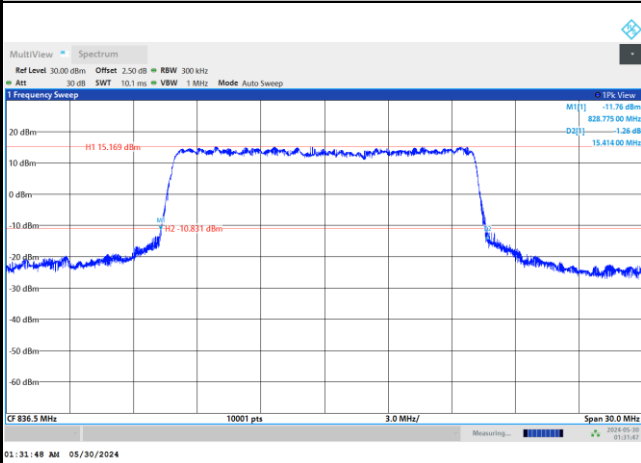
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

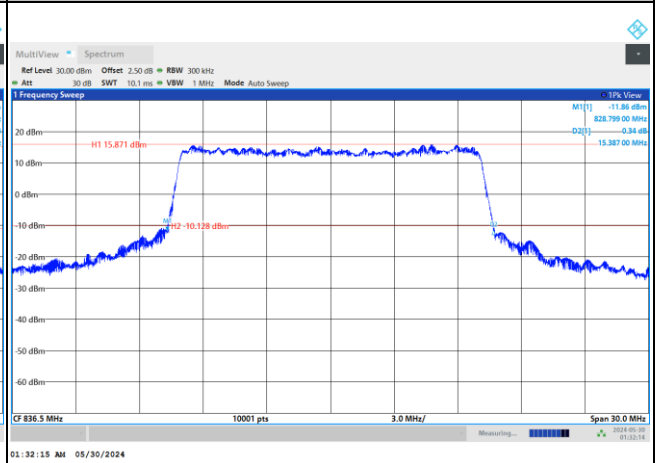


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

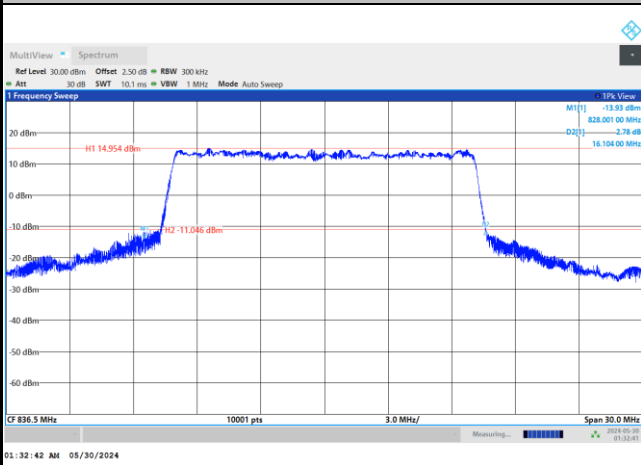
QPSK



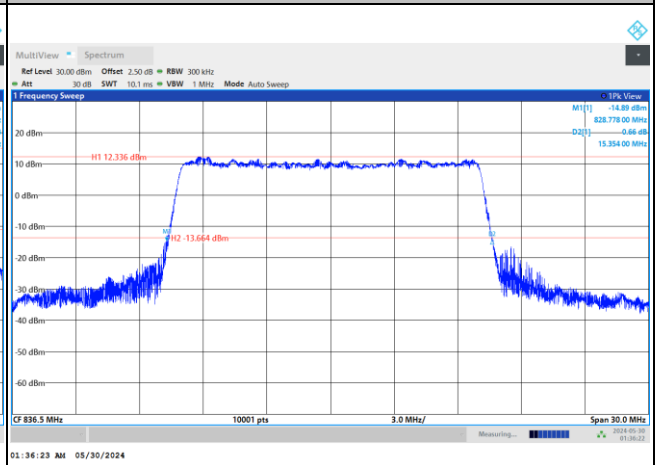
16QAM



64QAM



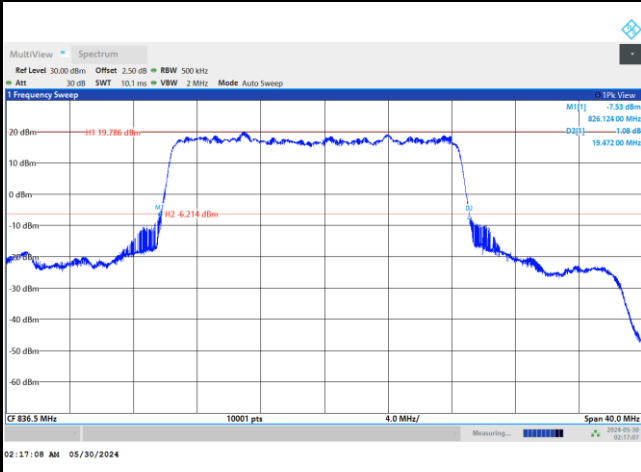
256QAM





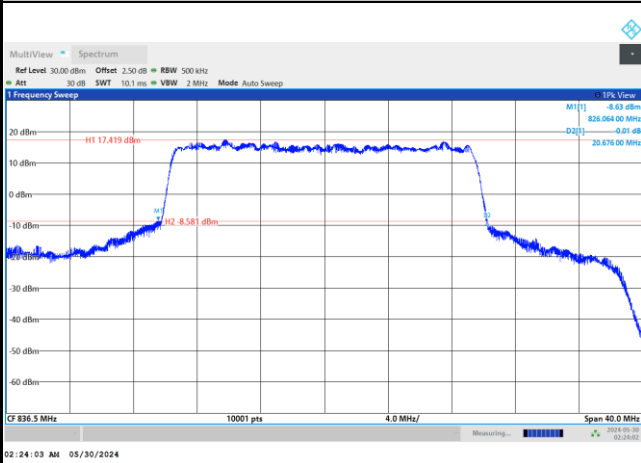
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

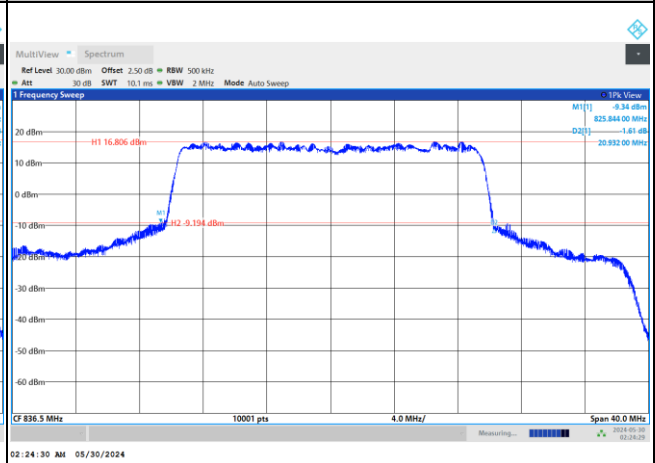


FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB

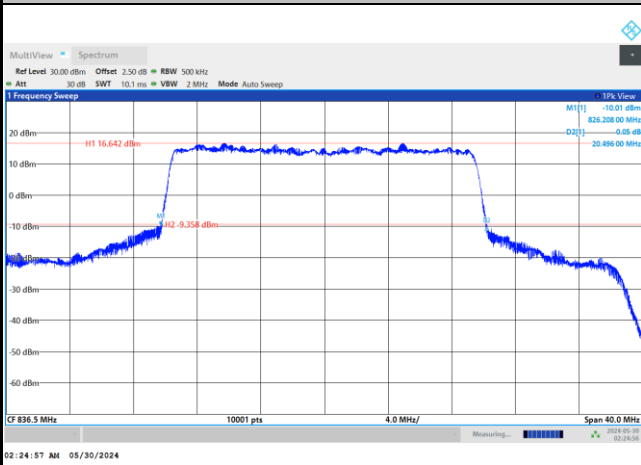
QPSK



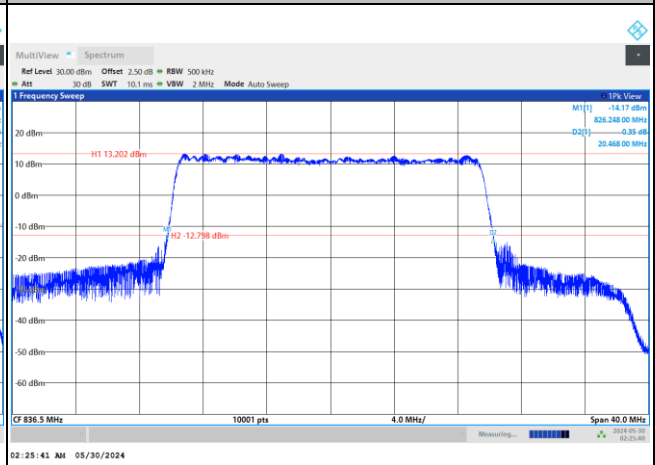
16QAM



64QAM



256QAM





Occupied Bandwidth

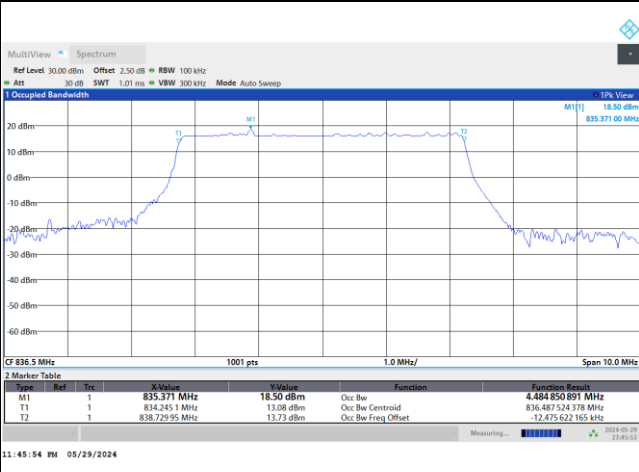
Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.48		8.99		13.47		18.02	

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	9.32	9.33	14.19	14.20	19.04	19.08
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.54	4.53	9.32	9.37	14.23	14.15	19.05	19.10



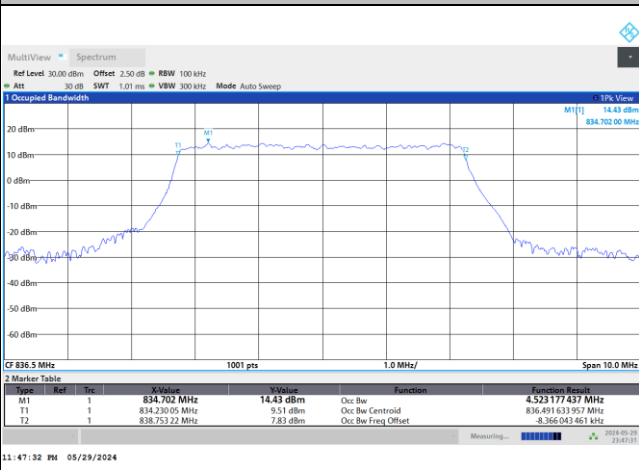
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

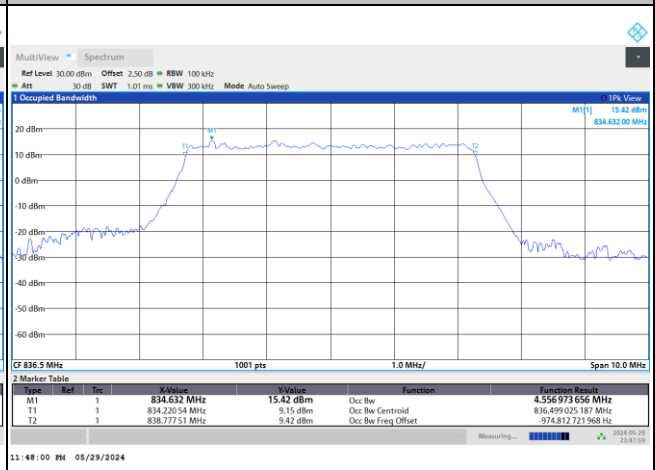


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

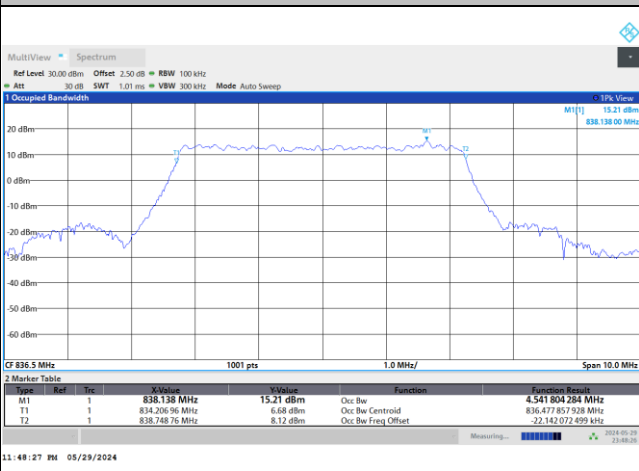
QPSK



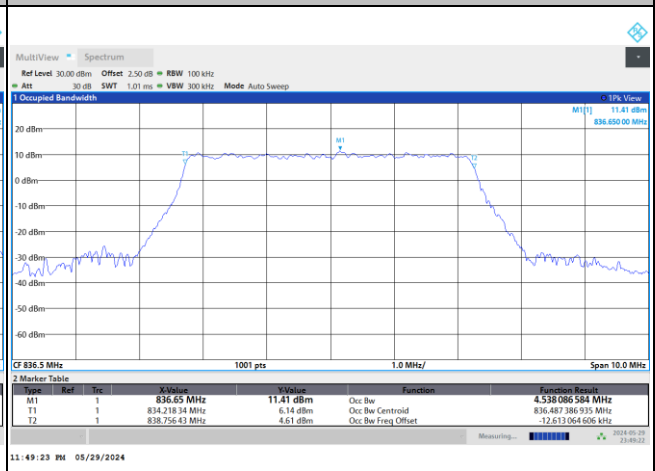
16QAM



64QAM



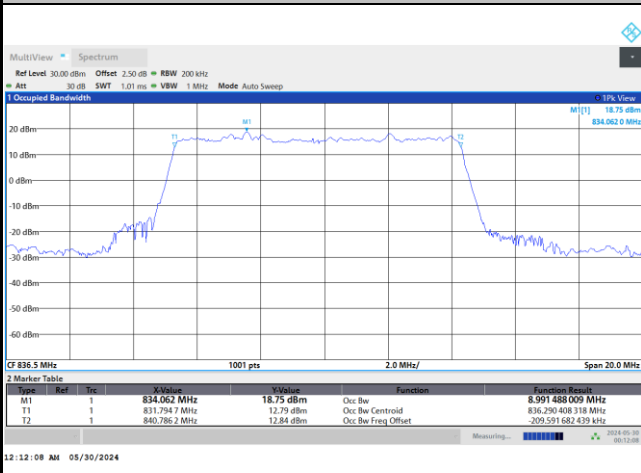
256QAM





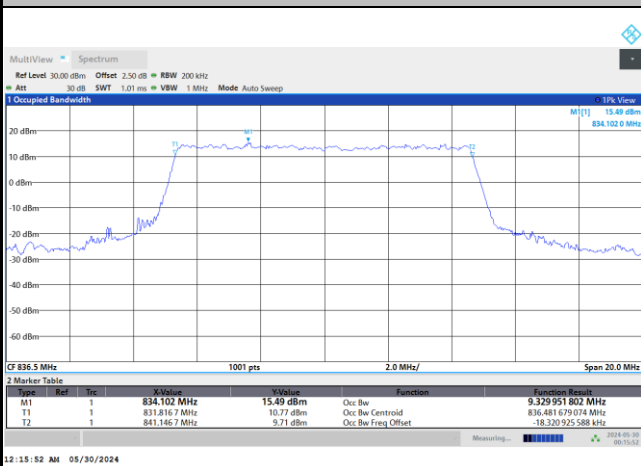
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

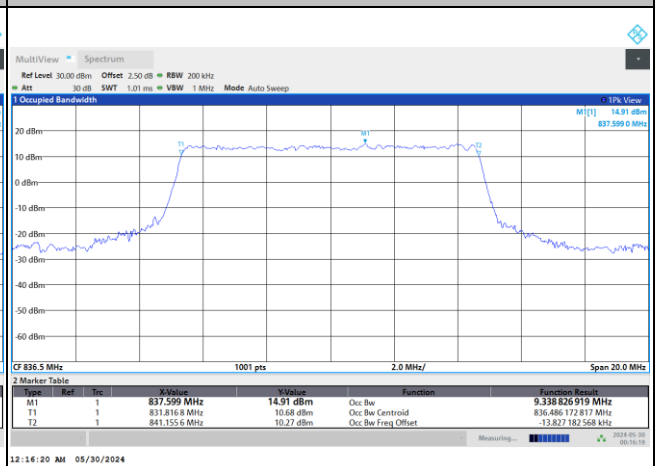


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

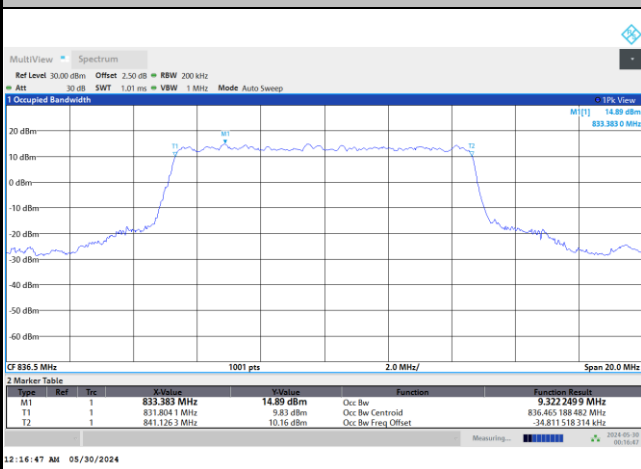
QPSK



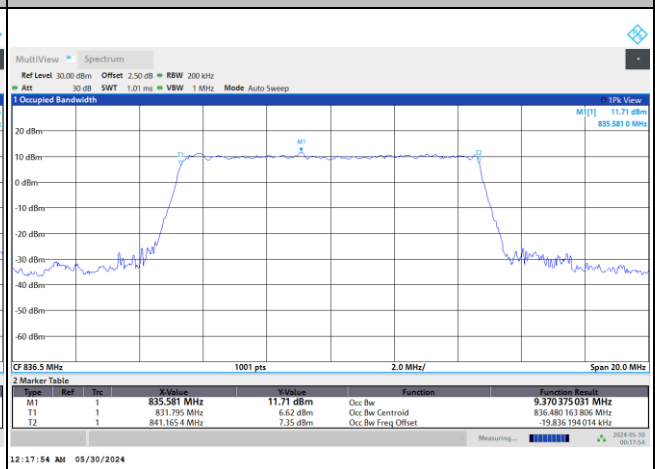
16QAM



64QAM



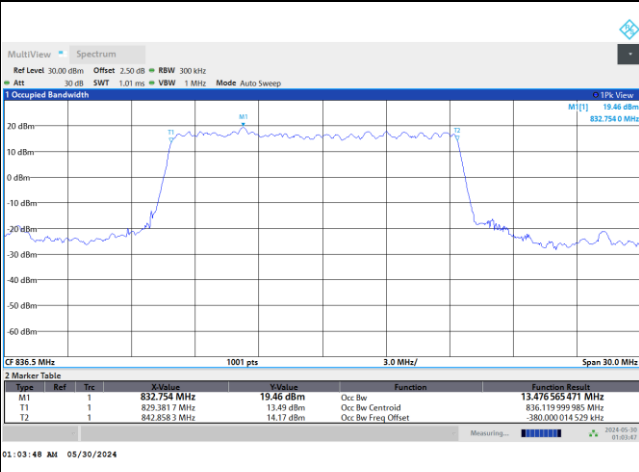
256QAM





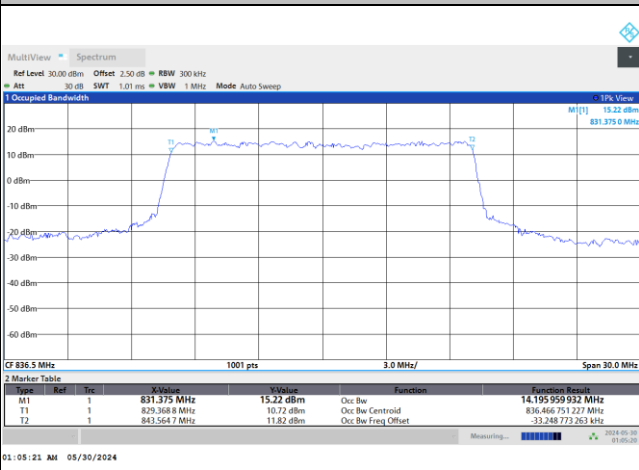
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

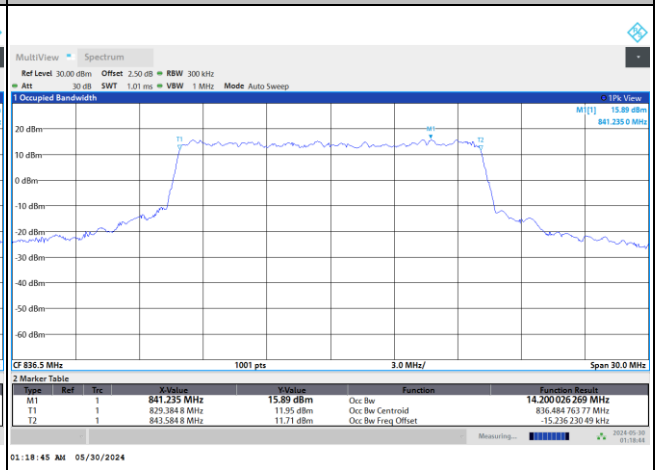


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

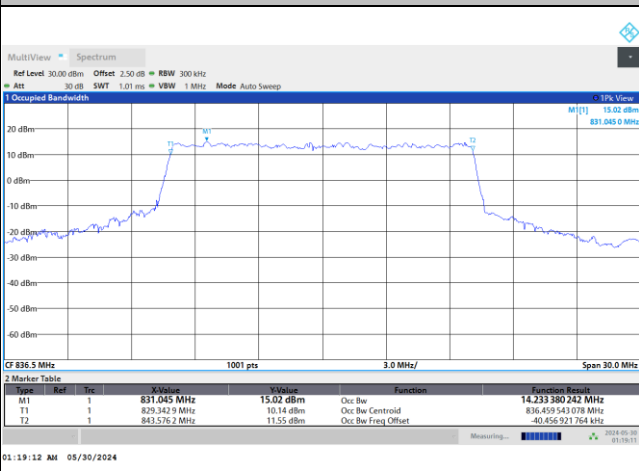
QPSK



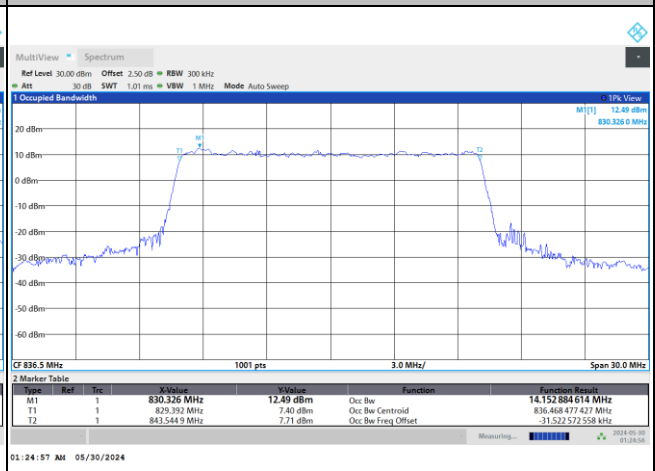
16QAM



64QAM



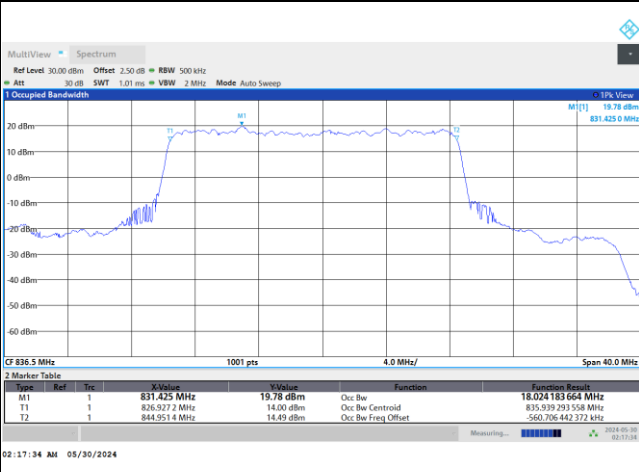
256QAM





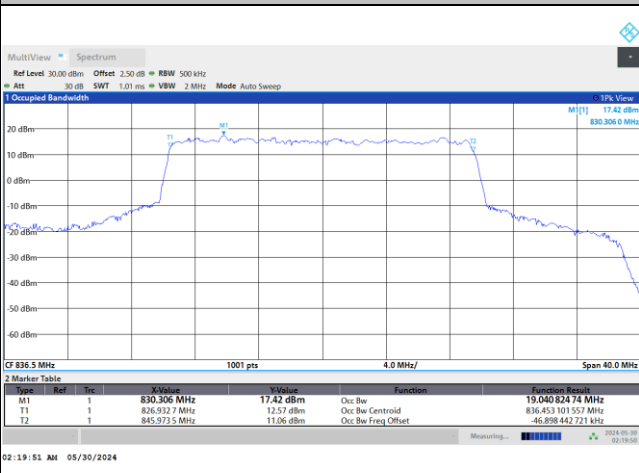
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

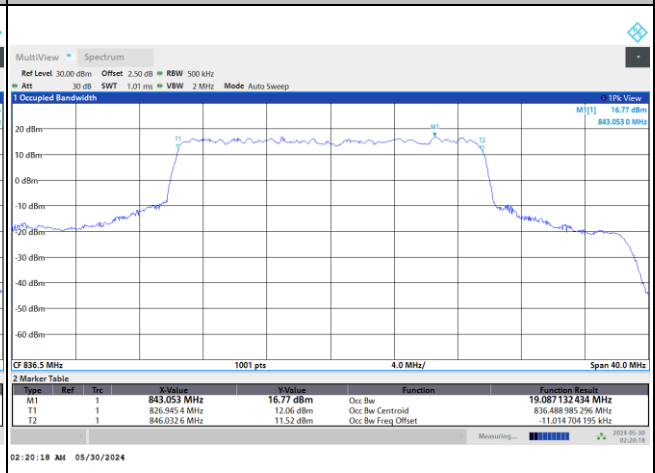


FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB

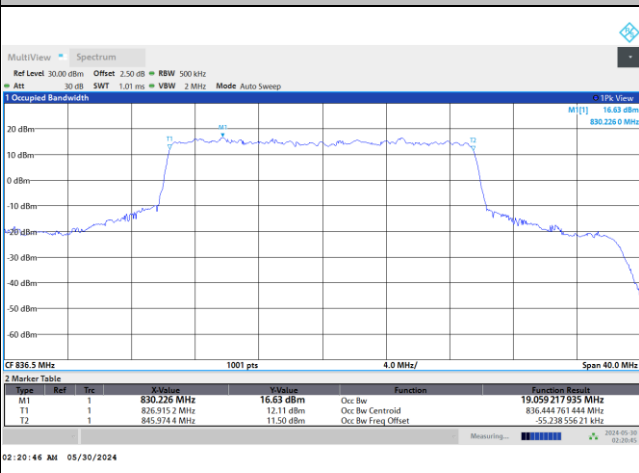
QPSK



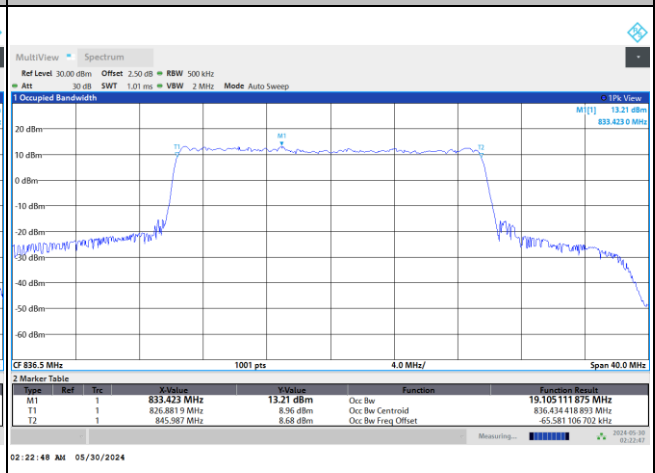
16QAM



64QAM



256QAM



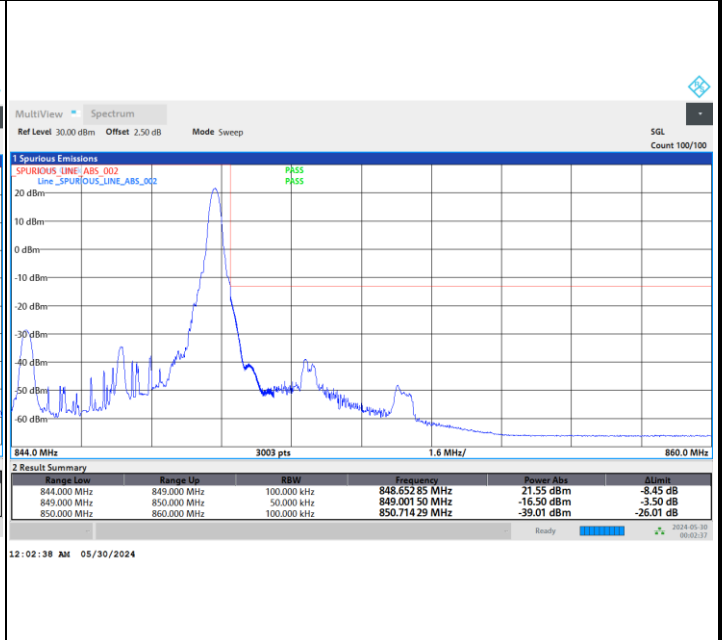
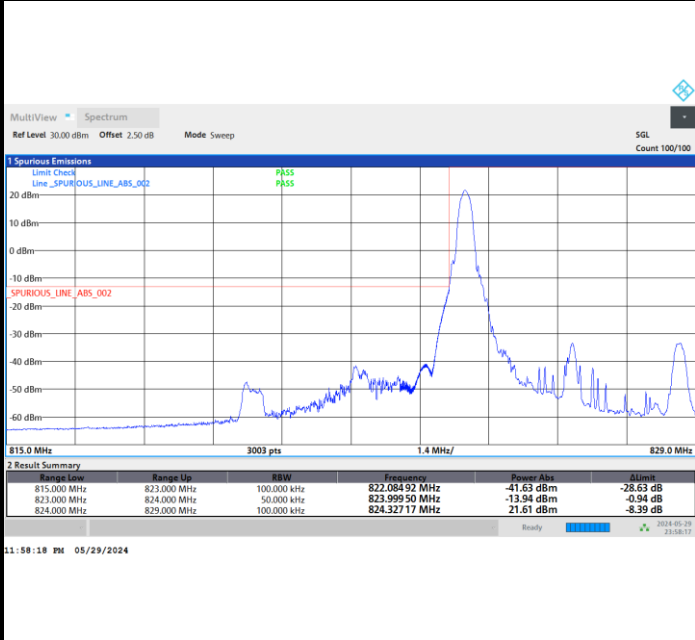


Conducted Band Edge

FR1 n5 / 5MHz / DFT-S OFDM / PI/2 BPSK

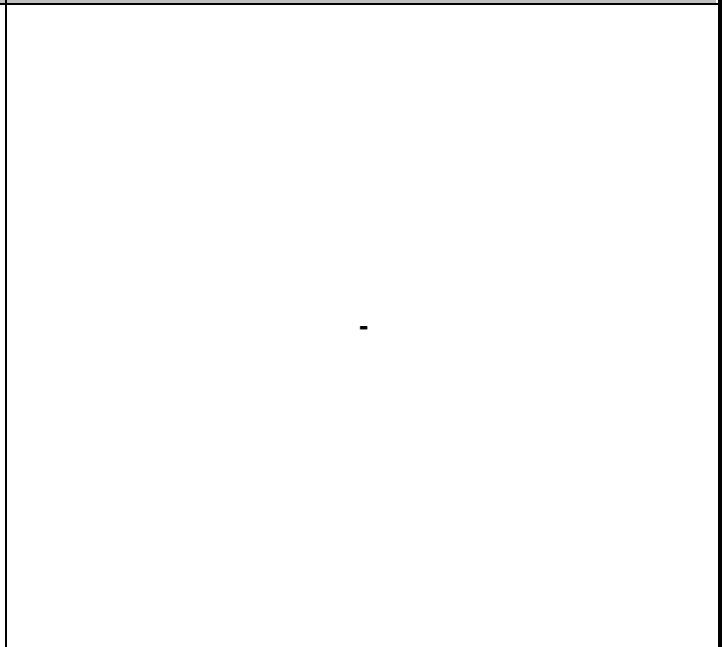
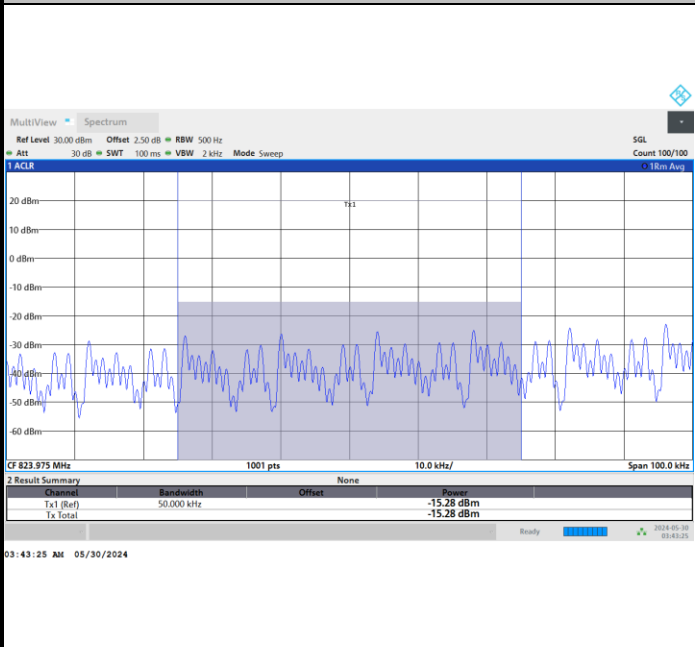
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Power Limit -13dBm > -15.28 dBm Pass

-

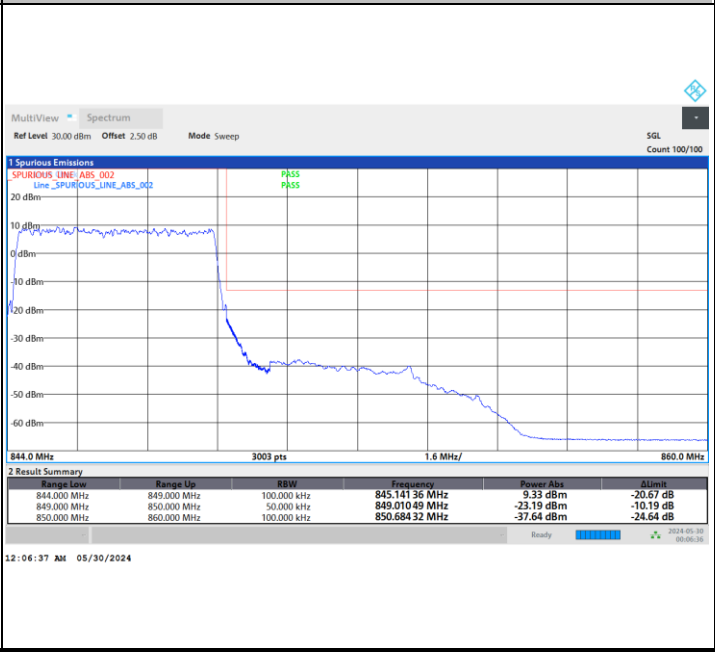
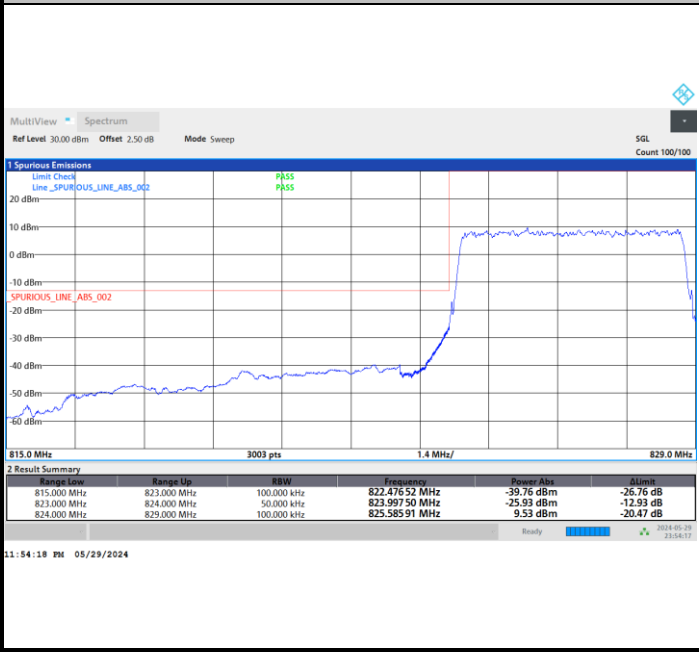




FR1 n5 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

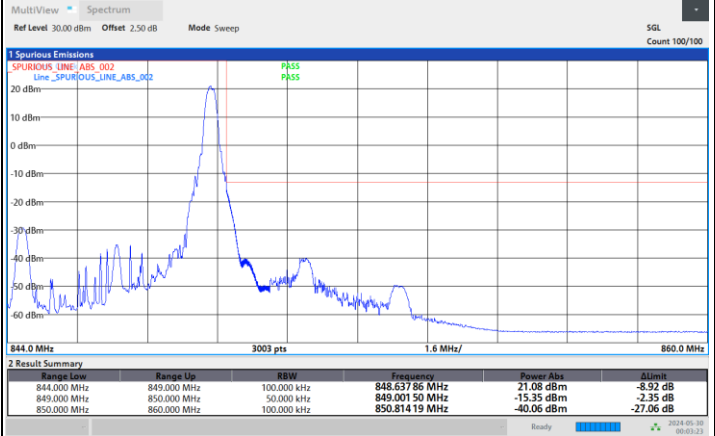
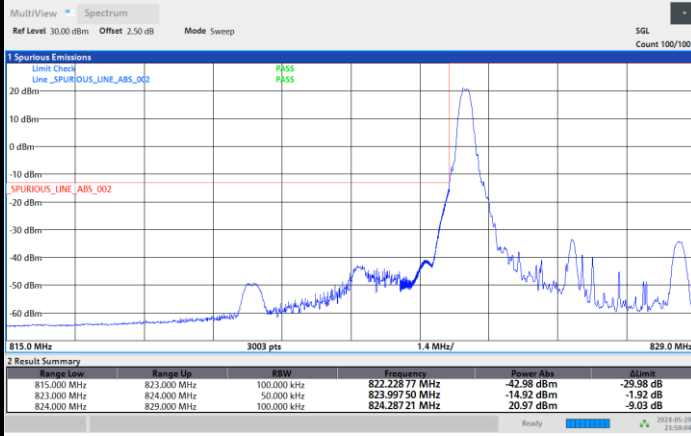




FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

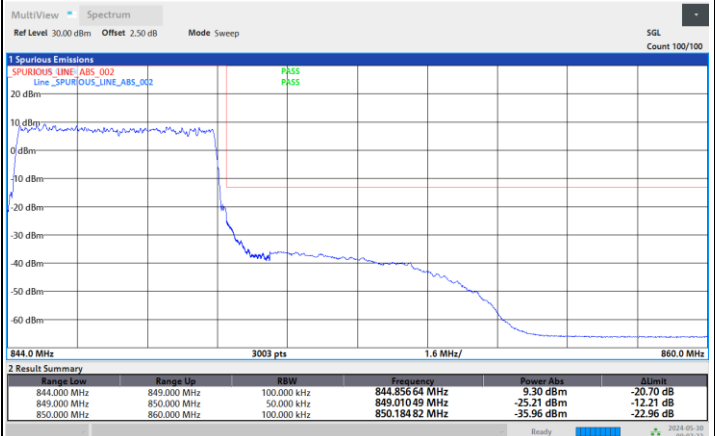
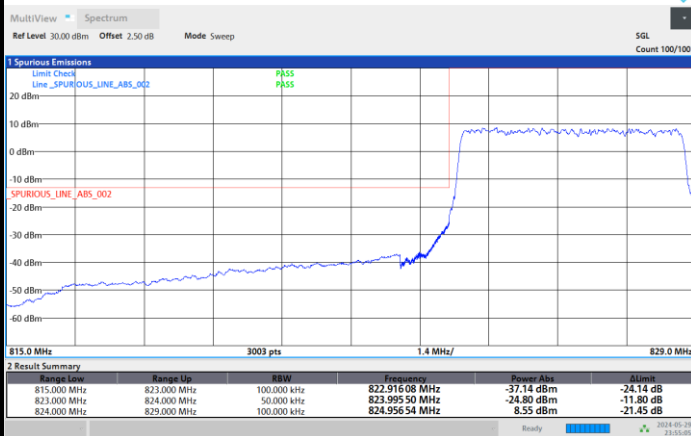


11:59:04 PM 05/29/2024

12:03:24 AM 05/30/2024

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



11:55:05 PM 05/29/2024

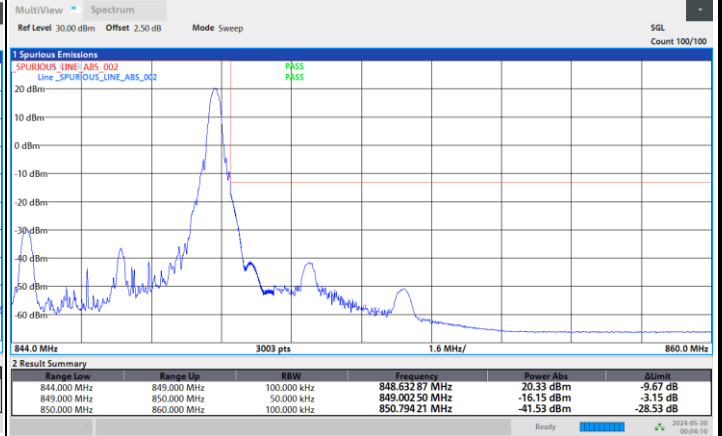
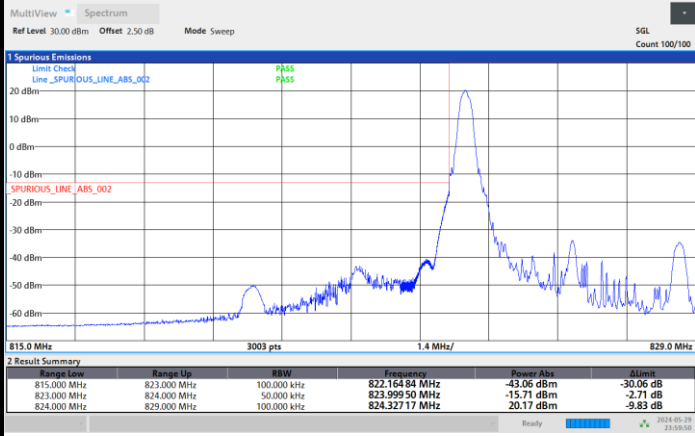
12:07:24 AM 05/30/2024



FR1 n5 / 5MHz / DFT-S OFDM / 16QAM

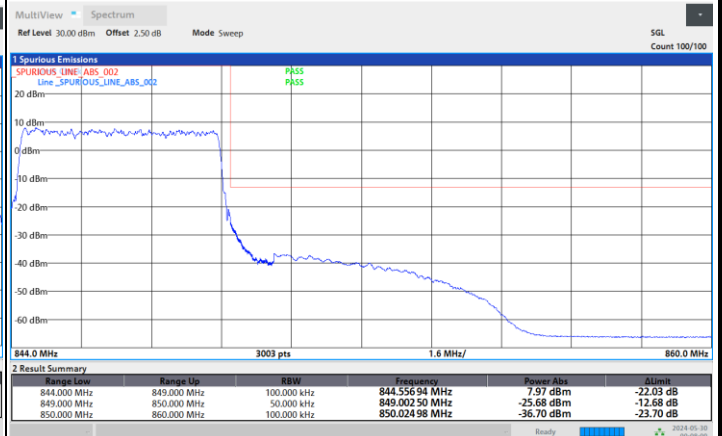
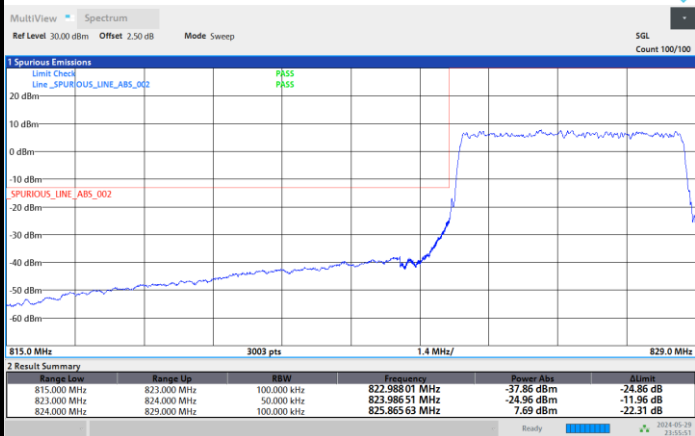
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

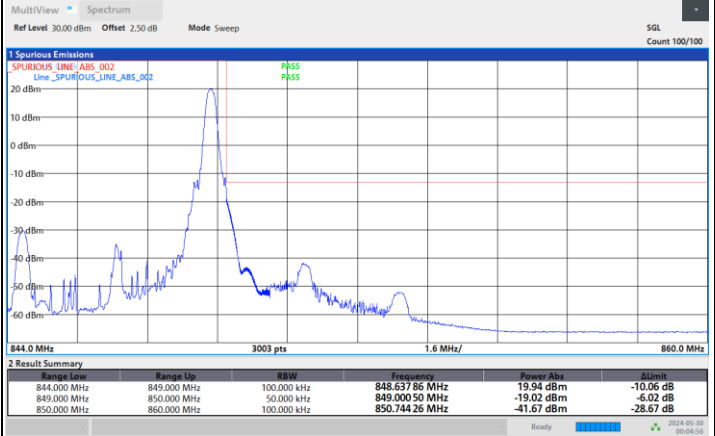
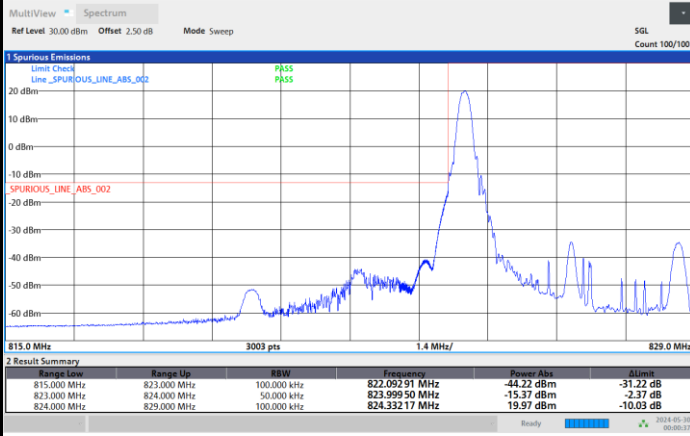




FR1 n5 / 5MHz / DFT-S OFDM / 64QAM

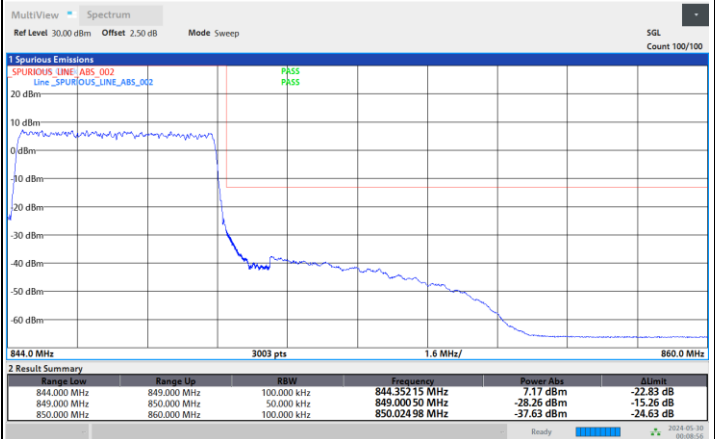
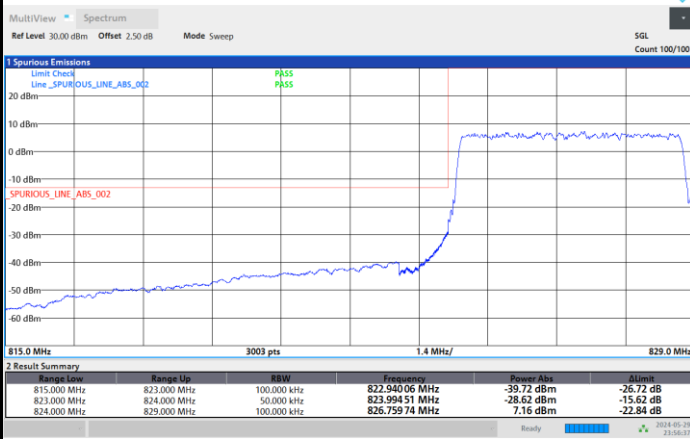
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

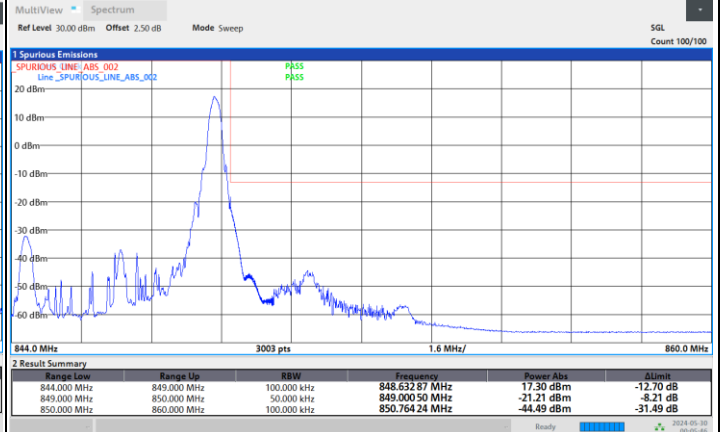
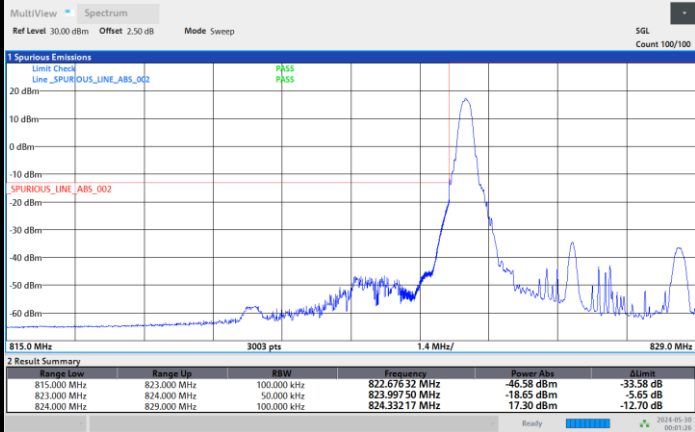




FR1 n5 / 5MHz / DFT-S OFDM / 256QAM

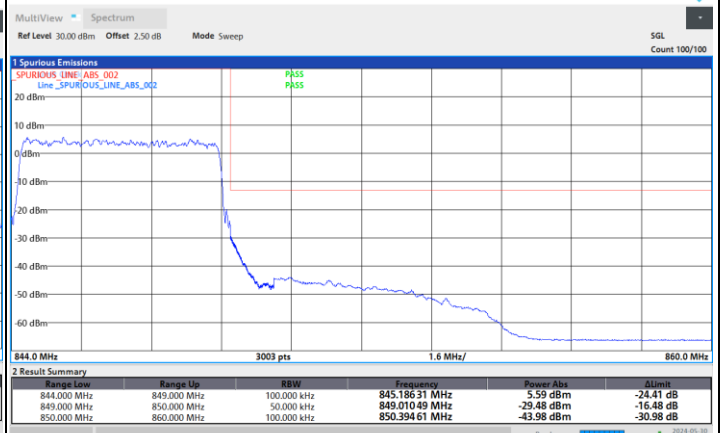
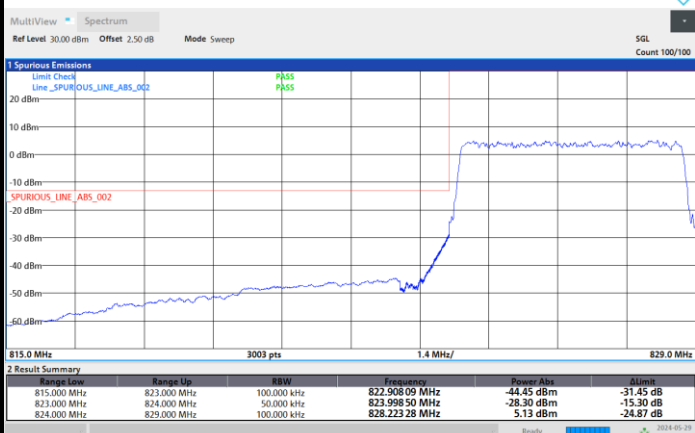
Lowest Band Edge / 1RB0

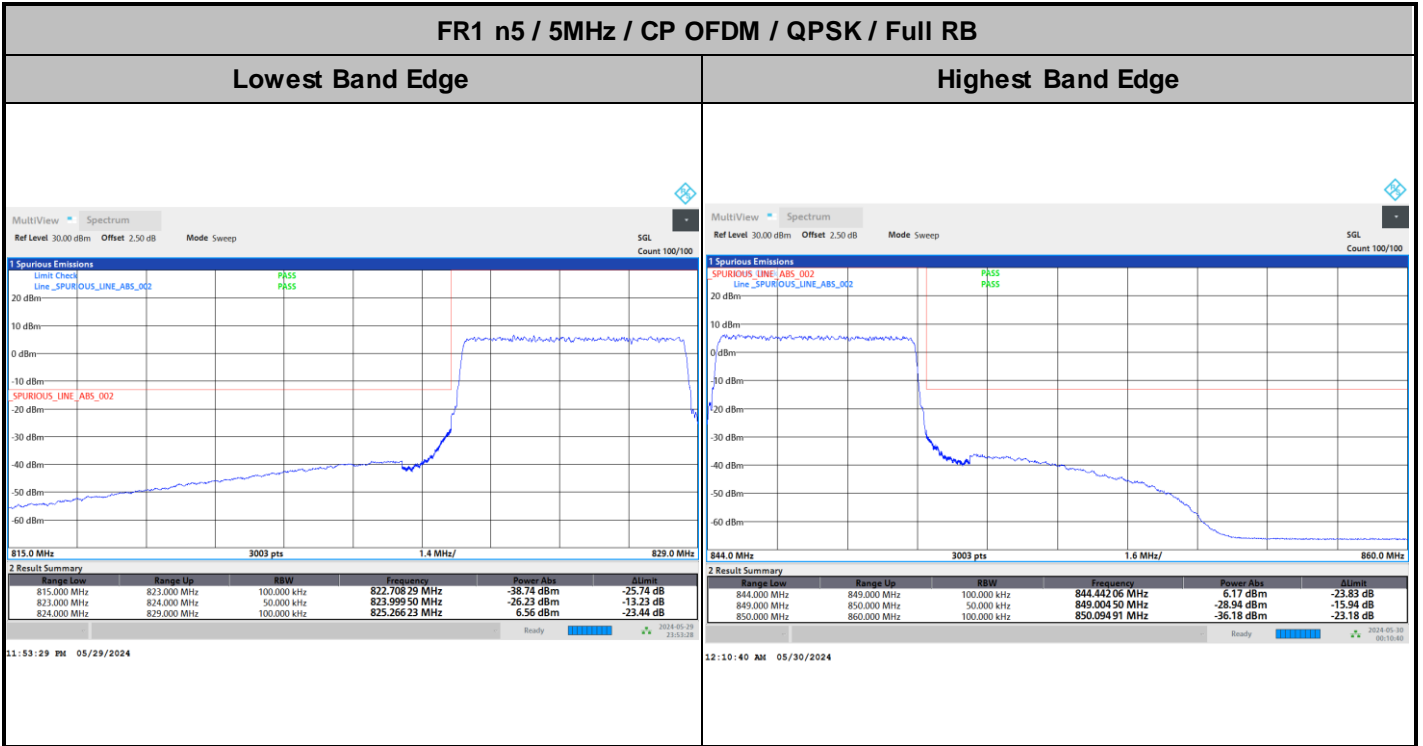
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



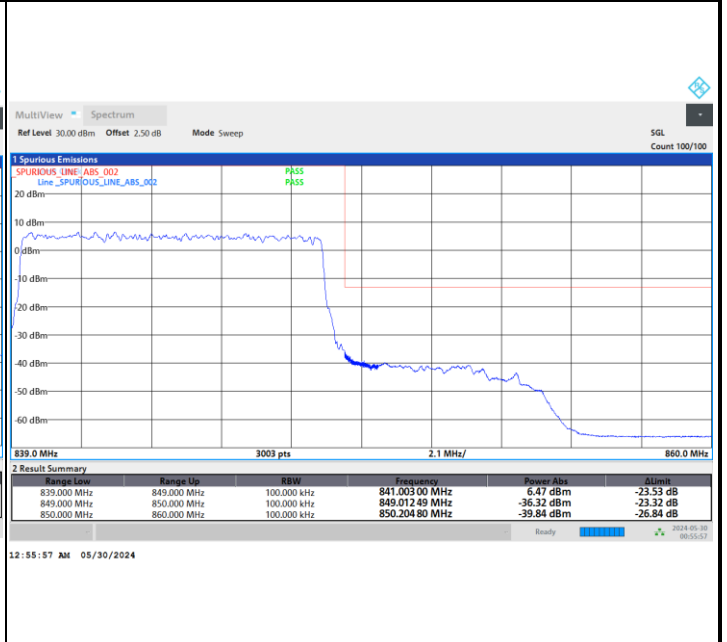
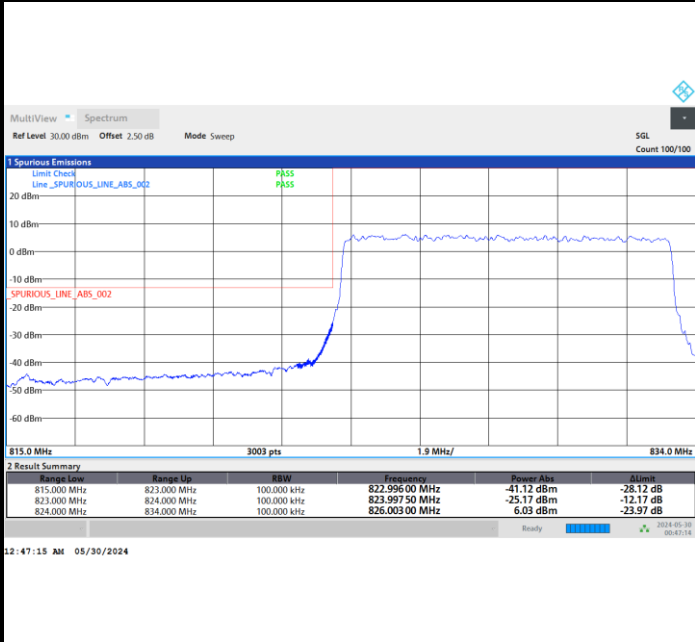




FR1 n5 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge



FR1 n5 / 10MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

