FCC RADIO TEST REPORT

FCC ID	:	**UZ7TC58BE**
Equipment	:	**Touch Computer**
Brand Name	:	**Zebra**
Model Name	:	**TC58BE**
Applicant	:	**Zebra Technologies Corporation** **1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation** **1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27D, Part 90(S)**

The product was received on Feb. 06, 2024 and testing was performed from Feb. 26, 2024 to Apr. 08, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FG411108C	01	Initial issue of report	May 10, 2024

Summary of Test Result

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

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (n2) (n5) (n12) (n26) (n66) (n71)	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)		
3.7	§2.1055 §22.355 §24.235 §27.54 §90.213	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (n2) (n5) (n12) (n26) (n66) (n71)	Pass	9.19 dB under the limit at 7551.00 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		
	§2.1051 §27.53 (l)(2)	Radiated Spurious Emission (n77) (n78)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77) (n78)		

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC58BE
FCC ID	UZ7TC58BE
Sample 1	SE55 + 8GB | 128G
Sample 2	SE4720 + 6GB | 64G
Sample 3	SE4770 + 8GB | 128GB
EUT supports Radios application	GSM/WCDMA/HSPA/LTE/5G NR/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	DV1-2
SW Version	nemesis_A13_userdebug_GMS_RelKey_2023-12-12-04 51_main_SE
FW Version	FUSION_QA_ 6_1.1.0.004_T
MFD	06DEC23
DUT Stage	Identical Prototype

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

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1 (1x)	**Brand Name**	Zebra	**Part Number**	BT-000442-0020
Battery 2 (1.5x)	**Brand Name**	Zebra	**Part Number**	BT-000442-0820
Battery 3 (BLE battery)	**Brand Name**	Zebra	**Part Number**	BT-000442-002B
Battery 4 (Wireless Battery)	**Brand Name**	Zebra	**Part Number**	BT-000442-002A
Battery 5 (1x)	**Brand Name**	Zebra	**Part Number**	BT-000442-1020
USB TYPE A to TYPE C cable	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
USB TYPE C to 3.5mm audio connector	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTT1-01
Rugged Headset	**Brand Name**	Zebra	**Part Number**	HS2100-OTH
USB TYPE C Earphone	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-NGTC5-ELEC-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-NGTC5TC7-HLSTR-01
TC53/TC58 RUGGED BOOT	**Brand Name**	Zebra	**Part Number**	SG-NGTC5EXO1-01
3.5mm to 3.5mm audio connector	**Brand Name**	Zebra	**Part Number**	CBL-HS2100-3MS1-01

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	5G NR n2: 1852.5 MHz ~ 1907.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n7: 2502.5 MHz ~ 2567.5 MHz 5G NR n12: 701.5 MHz ~ 713.5 MHz 5G NR n26: 826.5 MHz ~ 846.5 MHz (Part22H) 5G NR n26: 816.5 MHz ~ 821.5 MHz (Part90S) 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz 5G NR n77: 3710.01 MHz ~ 3969.99 MHz (Part27O) 5G NR n77: 3460.02 MHz ~ 3540.00 MHz (Part27Q) 5G NR n78: 3710.01 MHz ~ 3789.99 MHz (Part27O) 5G NR n78: 3460.02 MHz ~ 3540.00 MHz (Part27Q)
Rx Frequency	5G NR n2: 1932.5 MHz ~ 1987.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n7: 2622.5 MHz ~ 2687.5 MHz 5G NR n12: 731.5 MHz ~ 743.5 MHz 5G NR n26: 861.5 MHz ~ 891.5 MHz (Part22H) 5G NR n26: 861.5 MHz ~ 866.5 MHz (Part90S) 5G NR n38: 2575 MHz ~ 2615 MHz 5G NR n41: 2501.01 MHz ~ 2685.00 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz 5G NR n77: 3710.01 MHz ~ 3969.99 MHz (Part27O) 5G NR n77: 3460.02 MHz ~ 3540.00 MHz (Part27Q) 5G NR n78: 3710.01 MHz ~ 3789.99 MHz (Part27O) 5G NR n78: 3460.02 MHz ~ 3540.00 MHz (Part27Q)
Bandwidth	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n7: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n12: 5MHz / 10MHz / 15MHz 5G NR n26: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n38: 20MHz / 30MHz / 40MHz 5G NR n41: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n77: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n78: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz

Product Specification is subject to this standard	
Maximum Output Power to Antenna	**<SISO Mode>** 5G NR n2 : 25.20 dBm 5G NR n5 : 25.13 dBm 5G NR n7 : 24.10 dBm 5G NR n12 : 24.90 dBm 5G NR n26 : 24.65 dBm (Part22H) 5G NR n26 : 24.82 dBm (Part90S) 5G NR n38 : 24.08 dBm 5G NR n41 : 26.63 dBm for HPUE 5G NR n66 : 25.20 dBm 5G NR n71 : 25.20 dBm 5G NR n77 : 26.51 dBm for HPUE (Part27O) 5G NR n77 : 26.50 dBm for HPUE (Part27Q) 5G NR n78 : 26.18 dBm for HPUE (Part27O) 5G NR n78 : 26.22 dBm for HPUE (Part27Q) **<MIMO Mode>** 5G NR n77 : 26.24 dBm (Part27O) 5G NR n77 : 26.05 dBm (Part27Q) 5G NR n78 : 25.56 dBm (Part27O) 5G NR n78 : 26.00 dBm (Part27Q)
Antenna Type / Antenna Gain	**<Ant. 1>:** PIFA Antenna 5G NR n2: -1.16 dBi 5G NR n5: -1.91 dBi 5G NR n12: -1.58 dBi 5G NR n26: -1.91 dBi 5G NR n66: 0.16 dBi 5G NR n71: -2.24 dBi **<Ant. 5>:** PIFA Antenna 5G NR n2: -0.41 dBi 5G NR n7: -1.88 dBi 5G NR n38: -1.68 dBi 5G NR n41: -1.68 dBi 5G NR n66: 0.38 dBi **<Ant. 8>:** PIFA Antenna 5G NR n77: -1.57 dBi (Part27O) 5G NR n77: -1.39 dBi (Part27Q) 5G NR n78: -1.72 dBi (Part27O) 5G NR n78: -1.39 dBi (Part27Q) **<Ant. 9>:** PIFA Antenna 5G NR n77: -0.12 dBi (Part27O) 5G NR n77: 0.04 dBi (Part27Q) 5G NR n78: -1.54 dBi (Part27O) 5G NR n78: 0.04 dBi (Part27Q)
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Support band and evaluated information	
Supported band	n2, n5, n7, n12, n26, n38, n41, n66, n71 ,n77, n78
Evaluated and Tested band	n2, n5, n7, n12, n26, n38, n41, n66, n71 ,n77
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ n77 cover n78 (Part 27)

FDD/TDD band Power Class		
	PC3	**PC2**
N2	V	
N5	V	
N7	V	
N12	V	
N26	V	
N38	V	
N41	V	V
N66	V	
N71	V	
N77	V	V
N78	V	V

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Jimmy Chang
Temperature (℃)	20~24
Relative Humidity (%)	48~51

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jesse Fan, Tim Lee and Wilson Wu
Temperature (℃)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- ANSI C63.26-2015
- ANSI / TIA-603-E
- FCC 47 CFR Part 2, 22(H), 24(E), 27D, 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.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), 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

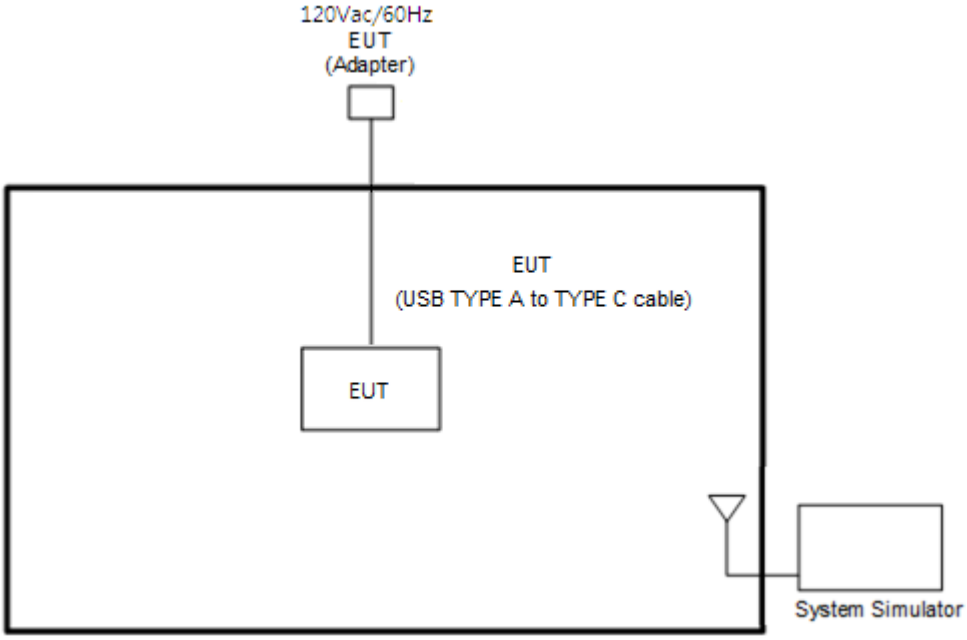
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E, F, G, H, I	All	1, Half, Full	L, M, H
ERP/EIRP	A, B, C, D, E, F, G, H, I	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E, F, G, H, I	All	Outer_Full	L, M, H
Bandwidth	A, B, C, D, E, F, G, H, I	All	Outer_Full	L, M, H
CBE,	A, B, C, D, E, F, G, H, I	All	Outer_1RB Outer_Full	L, H
CSE	B,F	10 MHz	Inner_1RB	L, M, H
Frequency Stability	A,F	10 MHz	Outer_Full	M
RSE	A,F	100 MHz	Inner_1RB	L, M, H

Remark:

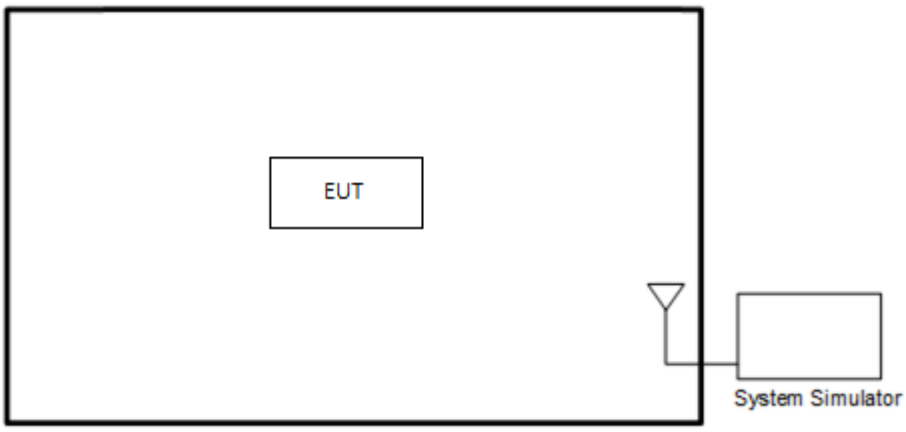
1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. All the radiated test cases were performed with Battery 1 (1x), USB TYPE C Earphone and Sample 1.
4. One representative bandwidth is selected to perform frequency stability.
5. Device 5G NR support SA &NSA Mode, are verified and the worst case is SA mode. Therefore, the report only performed SA test results.
6. One representative bandwidth is selected to perform frequency stability.
7. 5G NR N48/N77/78 support SA mode Antenna 8 and NSA mode Antenna 9, MIMO mode Antenna 8+9 . Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 8, Antenna 9, Antenna 8+9. Therefore, the report only performed Antenna 8&9 test results.
8. For 5G NR test combination are EN-DC B7_n5, EN-DC B7_n2, EN-DC B7_n77, EN-DC B66_n78, EN-DC B5_n66 and EN-DC B5_n7.

2.2 Connection Diagram of Test System

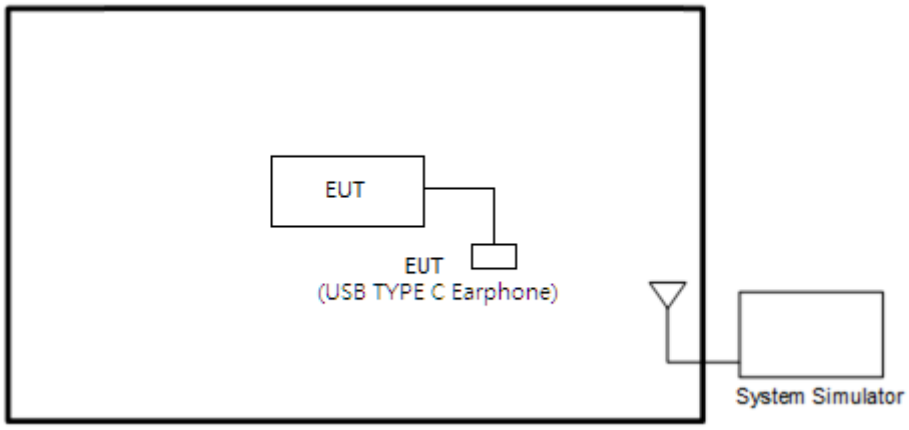
<EUT with Adapter>



<EUT without Accessory>



<EUT with Earphone>



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 :

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

= 4.2 + 10 = 14.2 (dB)

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**
40	Channel	504000	507000	510000
	Frequency	2520	2535	2550
30	Channel	503000	507000	511000
	Frequency	2515	2535	2555
25	Channel	502500	507000	511500
	Frequency	2512.5	2535	2557.5
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 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 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

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

5G NR n66 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

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

5G NR Band n77 (Part27O) Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3965
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975

5G NR n78 (Part27O) 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
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

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
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

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
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

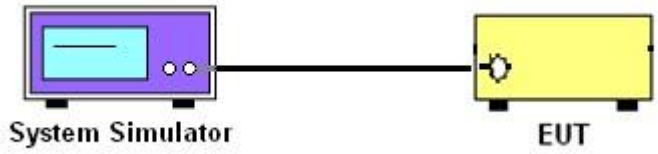
3 Conducted Test Items

3.1 Measuring Instruments

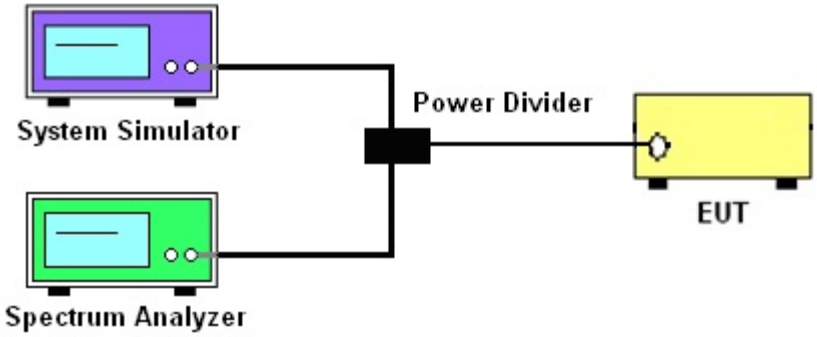
See list of measuring instruments of this test report.

3.1.1 Test Setup

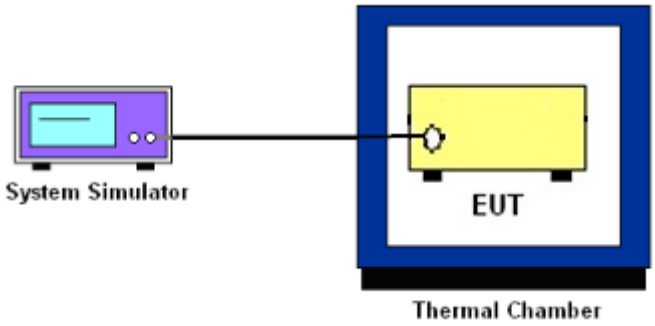
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5, 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, n71

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66, n77, n78

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.
5. The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(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 + 10log10(P[Watts]) dB below the transmitter power P(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 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(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 + 10log10(P[Watts]) dB below the transmitter power P(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 (l)(2)

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

27.53 (n)(2)

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

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For 5G NR n7, n38, n41
   The other 40 dB, and 55 dB have additionally applied same calculation above.
8. For MIMO mode, add additional MIMO factor 10log(NTX=2) = 3.01dB into the spectrum analyzer offset.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

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 10^{th} harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 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.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For 5G NR n7, n38, n41
   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
8. For MIMO mode, add additional MIMO factor 10log(NTX=2) = 3.01dB into the spectrum analyzer offset.

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

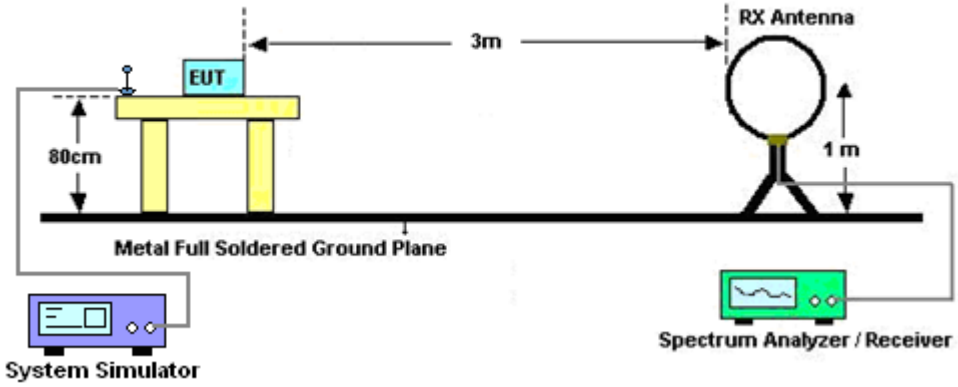
4 Radiated Test Items

4.1 Measuring Instruments

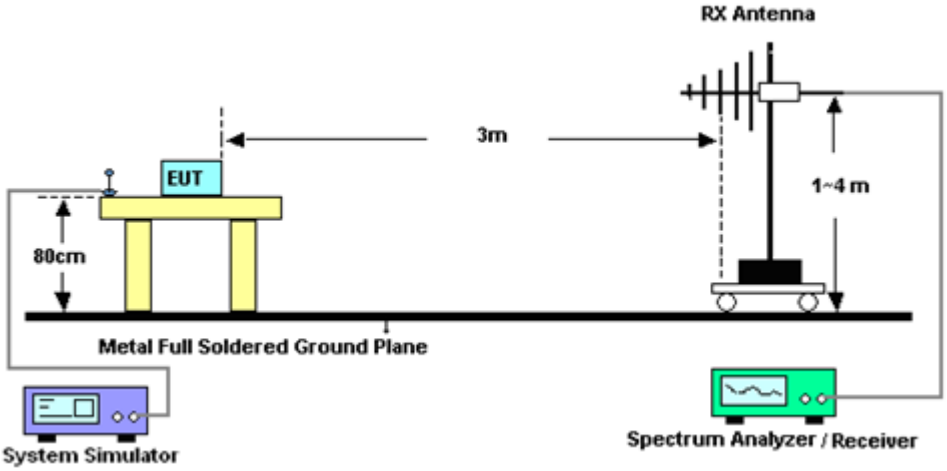
See list of measuring instruments of this test report.

4.1.1 Test Setup

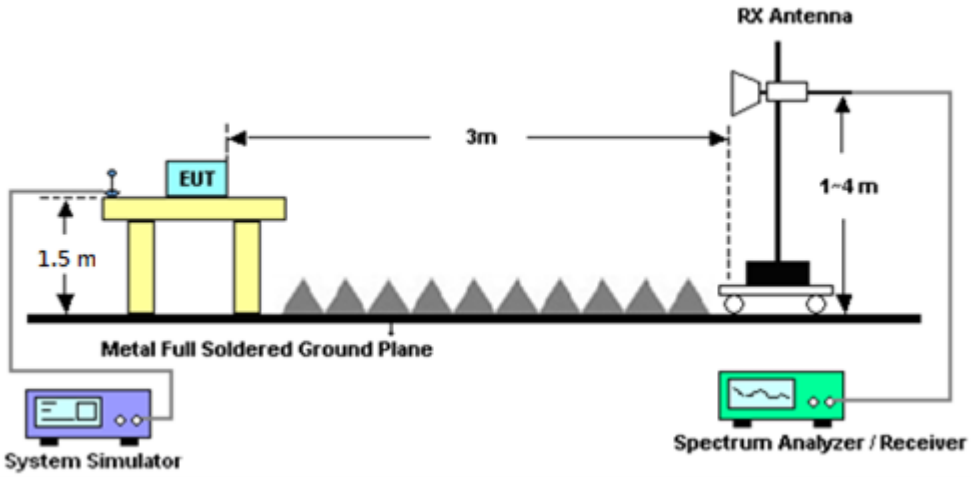
For radiated test below 30MHz



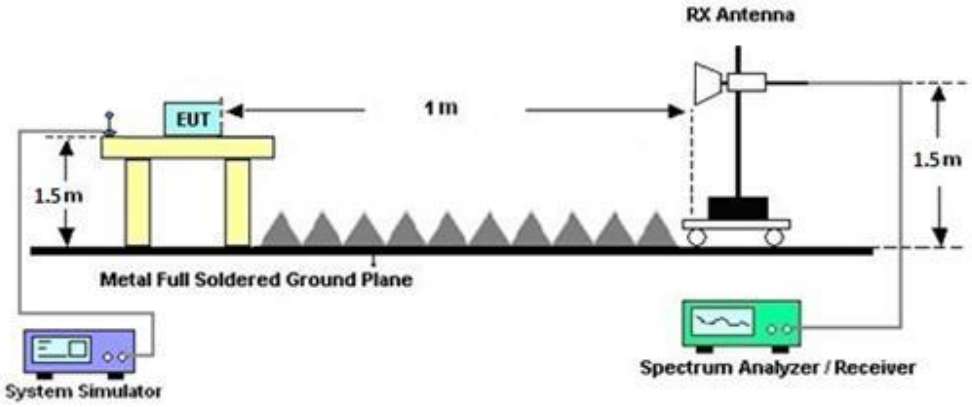
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB

For 5G NR n7, n38, n41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

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

4.2.2 Test Procedures

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

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)

   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77,

   where d is the distance at which filed 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	100315	9 kHz~30 MHz	Feb. 23, 2024	Feb. 28, 2024~ Apr. 08, 2024	Feb. 22, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 31, 2023	Feb. 28, 2024~ Apr. 08, 2024	Jul. 30, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 21, 2023	Feb. 28, 2024~ Mar. 19, 2024	Mar. 20, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 20, 2024	Mar. 20, 2024~ Apr. 08, 2024	Mar. 19, 2025	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 23, 2023	Feb. 28, 2024~ Apr. 08, 2024	May 22, 2024	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 20, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2024	Feb. 28, 2024~ Apr. 08, 2024	Jan. 09, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN11	1GHz High Pass Filter	Nov. 02, 2023	Feb. 28, 2024~ Apr. 08, 2024	Nov. 01, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 10, 2023	Feb. 28, 2024~ Apr. 08, 2024	Jul. 09, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 09, 2023	Feb. 28, 2024~ Mar. 07, 2024	Mar. 08, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 08, 2024	Mar. 08, 2024~ Apr. 08, 2024	Mar. 07, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Feb. 28, 2024~ Mar. 05, 2024	Mar. 06, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Mar. 06, 2024~ Apr. 08, 2024	Mar. 05, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Feb. 28, 2024~ Apr. 08, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Feb. 28, 2024~ Apr. 08, 2024	Oct. 18, 2024	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Feb. 28, 2024~ Apr. 08, 2024	N/A	Radiation (03CH12-HY)
DC Power Supply	GW Instek	GPE2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Feb. 26, 2024~ Apr. 03, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	May 03, 2023	Feb. 26, 2024~ Apr. 03, 2024	May 02, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 04, 2023	Feb. 26, 2024~ Apr. 03, 2024	Sep. 03, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6261849015	LTE	Nov. 17, 2023	Feb. 26, 2024~ Apr. 03, 2024	Nov. 16, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 24, 2023	Feb. 26, 2024~ Apr. 03, 2024	Oct. 23, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	NA	Jun. 26, 2023	Feb. 26, 2024~ Apr. 03, 2024	Jun. 25, 2024	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))	**3.07 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.63 dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.14 dB**

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 = -0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	25.14	25.19	25.16	24.78	0.3006
5	1	23		25.13	25.13	25.12		
5	12	6		25.12	25.19	25.18		
5	1	0		24.71	24.79	24.97		
5	1	24		24.62	24.83	24.92		
5	25	0		24.71	24.93	24.97		
5	1	1	QPSK	25.16	25.17	25.19		
5	1	23		25.15	25.18	25.18		
5	12	6		25.14	25.19	25.18		
5	1	0		24.34	24.42	24.61		
5	1	24		24.26	24.39	24.56		
5	25	0		24.30	24.48	24.51		
5	1	1	16-QAM	24.18	24.28	24.20	23.87	0.2438
5	1	1	64-QAM	23.06	23.18	23.28		
5	1	1	256-QAM	20.34	20.48	20.54		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.15	25.14	25.19	24.78	0.3006
10	1	50		25.08	25.15	25.11		
10	25	12		25.11	25.18	25.18		
10	1	0		24.74	24.96	25.04		
10	1	51		24.64	24.97	24.79		
10	50	0		24.81	25.03	25.06		
10	1	1	QPSK	25.12	25.18	25.17		
10	1	50		25.13	25.17	25.16		
10	25	12		25.11	25.19	25.17		
10	1	0		24.27	24.56	24.43		
10	1	51		24.11	24.83	24.54		
10	50	0		24.26	24.44	24.59		
10	1	1	16-QAM	24.09	24.27	24.11	23.86	0.2432
10	1	1	64-QAM	22.97	23.11	23.13		
10	1	1	256-QAM	17.42	20.45	20.51		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.12	25.13	25.12	24.78	0.3006
15	1	77		25.18	25.19	25.11		
15	36	18		25.14	25.17	25.17		
15	1	0		24.80	24.90	24.95		
15	1	78		24.83	25.08	24.81		
15	75	0		24.81	25.01	25.12		
15	1	1	QPSK	25.14	25.19	25.18		
15	1	77		25.16	25.18	25.18		
15	36	18		25.13	25.18	25.17		
15	1	0		24.47	24.75	24.52		
15	1	78		24.32	24.60	24.49		
15	75	0		24.28	24.50	24.56		
15	1	1	16-QAM	24.16	24.22	24.44	24.03	0.2529
15	1	1	64-QAM	22.88	23.02	23.15		
15	1	1	256-QAM	20.25	20.43	20.61		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.19	25.19	25.20	24.79	0.3013
20	1	104		25.14	25.16	25.16		
20	50	25		25.16	25.18	25.19		
20	1	0		24.67	24.82	24.84		
20	1	105		24.69	24.95	24.84		
20	100	0		24.80	24.93	25.02		
20	1	1	QPSK	25.16	25.13	25.19		
20	1	104		25.13	25.17	25.19		
20	50	25		25.19	25.18	25.19		
20	1	0		23.98	24.56	24.55		
20	1	105		24.38	24.53	23.80		
20	100	0		24.31	24.53	24.60		
20	1	1	16-QAM	24.08	24.16	24.30	23.89	0.2449
20	1	1	64-QAM	22.85	23.09	23.06		
20	1	1	256-QAM	20.22	20.35	20.49		
Limit	EIRP < 2W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.72	24.82	24.82	21.02	0.1265
5	1	23		24.75	24.74	24.59		
5	12	6		24.81	24.81	24.66		
5	1	0		24.17	24.33	24.30		
5	1	24		24.20	24.22	24.14		
5	25	0		24.36	24.41	24.27		
5	1	1	QPSK	24.94	24.99	24.69		
5	1	23		25.08	24.88	24.81		
5	12	6		24.80	24.84	24.62		
5	1	0		23.83	23.94	23.62		
5	1	24		23.93	23.88	23.69		
5	25	0		23.83	23.86	23.63		
5	1	1	16-QAM	23.62	23.77	23.46	19.71	0.0935
5	1	1	64-QAM	22.62	22.64	22.43		
5	1	1	256-QAM	19.88	19.83	19.72		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.83	24.71	24.79	20.96	0.1247
10	1	50		24.85	24.63	24.68		
10	25	12		24.91	24.92	24.71		
10	1	0		24.32	24.23	24.23		
10	1	51		24.34	24.24	24.18		
10	50	0		24.42	24.36	24.26		
10	1	1	QPSK	24.94	24.81	24.74		
10	1	50		25.02	24.81	24.92		
10	25	12		24.99	24.95	24.77		
10	1	0		23.83	23.91	23.74		
10	1	51		23.79	23.84	23.70		
10	50	0		23.95	23.90	23.72		
10	1	1	16-QAM	23.74	23.67	23.59	19.68	0.0929
10	1	1	64-QAM	22.60	22.55	22.51		
10	1	1	256-QAM	19.86	19.76	19.90		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.81	24.88	24.76	21.03	0.1268
15	1	77		24.85	24.67	24.54		
15	36	18		24.96	25.00	24.81		
15	1	0		24.39	24.27	24.32		
15	1	78		24.28	24.13	24.07		
15	75	0		24.50	24.47	24.37		
15	1	1	QPSK	24.92	24.86	25.09		
15	1	77		24.94	24.75	24.72		
15	36	18		25.01	24.96	24.87		
15	1	0		23.88	23.80	24.03		
15	1	78		23.95	23.72	23.68		
15	75	0		-	23.94	23.91		
15	1	1	16-QAM	23.69	23.70	23.78	19.72	0.0938
15	1	1	64-QAM	22.65	22.59	22.67		
15	1	1	256-QAM	19.90	19.89	19.94		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.86	24.67	24.81	21.07	0.1279
20	1	104		24.67	24.56	24.52		
20	50	25		24.94	25.02	24.96		
20	1	0		24.23	24.15	24.33		
20	1	105		24.20	24.11	24.04		
20	100	0		24.48	24.50	24.43		
20	1	1	QPSK	25.09	25.04	25.13		
20	1	104		25.00	24.92	24.88		
20	50	25		24.99	25.05	24.98		
20	1	0		23.96	23.92	23.89		
20	1	105		23.75	23.88	23.67		
20	100	0		23.93	24.01	23.92		
20	1	1	16-QAM	23.66	24.01	23.68	19.95	0.0989
20	1	1	64-QAM	22.53	22.45	22.61		
20	1	1	256-QAM	19.96	19.90	19.97		
Limit	ERP < 7W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.97	23.83	23.87	22.15	0.1641
5	1	23		24.03	23.91	23.74		
5	12	6		24.00	23.94	23.79		
5	1	0		23.42	23.39	23.25		
5	1	24		23.45	23.48	23.33		
5	25	0		23.46	23.41	23.32		
5	1	1	QPSK	23.90	23.90	23.82		
5	1	23		24.02	23.96	23.75		
5	12	6		23.95	23.94	23.79		
5	1	0		22.91	22.87	22.82		
5	1	24		22.92	22.95	22.83		
5	25	0		22.95	22.90	22.81		
5	1	1	16-QAM	22.82	22.88	22.75	21.00	0.1259
5	1	1	64-QAM	21.53	21.67	21.57		
5	1	1	256-QAM	18.77	18.76	18.78		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.84	23.92	23.73	22.09	0.1618
10	1	50		23.83	23.87	23.75		
10	25	12		23.97	23.97	23.87		
10	1	0		23.39	23.41	23.27		
10	1	51		23.42	23.48	23.29		
10	50	0		23.46	23.44	23.26		
10	1	1	QPSK	23.81	23.94	23.76		
10	1	50		23.90	23.96	23.88		
10	25	12		23.91	23.94	23.75		
10	1	0		22.83	22.88	22.77		
10	1	51		22.84	22.92	22.78		
10	50	0		22.88	22.94	22.78		
10	1	1	16-QAM	22.75	22.87	22.76	20.99	0.1256
10	1	1	64-QAM	21.55	21.75	21.33		
10	1	1	256-QAM	18.85	18.82	18.77		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.90	23.95	23.94	22.18	0.1652
15	1	77		23.91	23.90	23.79		
15	36	18		23.96	24.00	23.93		
15	1	0		23.44	23.45	23.41		
15	1	78		23.51	23.43	23.45		
15	75	0		23.41	23.55	23.43		
15	1	1	QPSK	23.88	24.06	24.02		
15	1	77		24.03	24.02	24.00		
15	36	18		23.91	24.03	23.94		
15	1	0		22.95	22.93	22.97		
15	1	78		22.95	22.92	22.81		
15	75	0		23.02	23.00	22.94		
15	1	1	16-QAM	23.00	23.10	22.89	21.22	0.1324
15	1	1	64-QAM	21.41	21.29	21.63		
15	1	1	256-QAM	19.33	19.24	18.79		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.03	23.98	23.91	22.21	0.1663
20	1	104		23.97	23.96	23.79		
20	50	25		24.02	24.04	23.88		
20	1	0		23.53	23.52	23.43		
20	1	105		23.42	23.50	23.35		
20	100	0		23.52	23.49	23.39		
20	1	1	QPSK	24.00	24.05	24.01		
20	1	104		24.09	24.03	23.90		
20	50	25		23.99	24.09	23.89		
20	1	0		22.99	23.04	23.02		
20	1	105		23.02	23.03	22.95		
20	100	0		22.96	23.02	22.95		
20	1	1	16-QAM	22.88	22.99	22.99	21.11	0.1291
20	1	1	64-QAM	21.77	21.81	21.72		
20	1	1	256-QAM	18.83	18.87	18.77		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.96	24.00	24.03	22.19	0.1656
25	1	131		24.01	23.97	23.93		
25	64	32		24.04	24.02	24.01		
25	1	0		23.56	23.54	23.51		
25	1	132		23.49	23.51	23.36		
25	128	0		23.50	23.51	23.44		
25	1	1	QPSK	24.07	24.06	24.04		
25	1	131		24.02	24.05	24.01		
25	64	32		24.00	24.04	23.99		
25	1	0		23.15	23.10	23.11		
25	1	132		23.00	23.02	22.98		
25	128	0		23.03	23.02	23.00		
25	1	1	16-QAM	22.98	23.04	23.00	21.16	0.1306
25	1	1	64-QAM	21.77	21.78	21.80		
25	1	1	256-QAM	19.47	19.57	19.46		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.98	24.06	23.92	22.19	0.1656
30	1	158		23.97	23.91	23.83		
30	80	40		23.95	24.03	23.94		
30	1	0		23.48	23.60	23.41		
30	1	159		23.46	23.40	23.31		
30	160	0		23.48	23.54	23.49		
30	1	1	QPSK	24.07	24.05	24.03		
30	1	158		23.91	24.03	23.87		
30	80	40		23.98	24.00	23.95		
30	1	0		22.92	23.07	23.04		
30	1	159		22.91	23.04	22.86		
30	160	0		23.00	23.01	22.98		
30	1	1	16-QAM	22.97	22.99	23.00	21.12	0.1294
30	1	1	64-QAM	21.64	21.78	21.75		
30	1	1	256-QAM	18.89	19.07	18.93		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = -1.88 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.96	24.10	24.05	22.22	0.1667
40	1	214		23.97	23.85	23.80		
40	108	54		23.92	23.96	23.99		
40	1	0		23.58	23.52	23.46		
40	1	215		23.41	23.28	23.28		
40	216	0		23.49	23.36	23.48		
40	1	1	QPSK	23.97	24.03	24.07		
40	1	214		23.95	23.91	23.86		
40	108	54		24.00	23.95	24.00		
40	1	0		22.99	22.97	23.05		
40	1	215		22.87	22.94	22.90		
40	216	0		23.00	23.00	23.02		
40	1	1	16-QAM	22.93	22.91	23.00	21.12	0.1294
40	1	1	64-QAM	21.63	21.68	21.71		
40	1	1	256-QAM	18.97	19.03	19.03		
Limit	EIRP < 2W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -1.58 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	24.77	24.66	24.48	21.13	0.1297
5	1	23		24.63	24.63	24.46		
5	12	6		24.78	24.66	24.50		
5	1	0		24.35	24.19	24.13		
5	1	24		24.23	24.15	24.06		
5	25	0		24.31	24.23	24.08		
5	1	1	QPSK	24.82	24.86	24.71		
5	1	23		24.73	24.63	24.54		
5	12	6		24.82	24.62	24.58		
5	1	0		23.96	23.67	23.50		
5	1	24		23.88	23.64	23.63		
5	25	0		23.85	23.66	23.59		
5	1	1	16-QAM	23.87	23.48	23.54	20.94	0.1242
5	1	1	64-QAM	22.60	22.40	22.11		
5	1	1	256-QAM	19.77	24.67	19.53		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -1.58 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	24.79	24.67	24.59	21.17	0.1309
10	1	50		24.58	24.54	24.42		
10	25	12		24.72	24.65	24.59		
10	1	0		24.30	24.27	24.17		
10	1	51		24.15	23.97	23.91		
10	50	0		24.16	24.24	24.11		
10	1	1	QPSK	24.90	24.83	24.73		
10	1	50		24.73	24.56	24.68		
10	25	12		24.77	24.65	24.59		
10	1	0		24.21	23.76	23.67		
10	1	51		23.68	23.56	23.34		
10	50	0		23.77	23.69	23.62		
10	1	1	16-QAM	23.86	23.89	23.57	20.16	0.1038
10	1	1	64-QAM	22.55	22.27	22.62		
10	1	1	256-QAM	19.76	20.27	19.53		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = -1.58 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.76	24.78	24.72	21.11	0.1291
15	1	77		24.50	24.51	24.45		
15	36	18		24.73	24.78	24.76		
15	1	0		24.30	24.35	24.31		
15	1	78		23.91	23.96	24.07		
15	75	0		24.26	24.29	24.28		
15	1	1	QPSK	24.84	24.81	24.75		
15	1	77		24.64	24.63	24.54		
15	36	18		24.80	24.82	24.73		
15	1	0		23.84	23.99	23.83		
15	1	78		23.84	23.55	23.66		
15	75	0		23.80	23.77	23.78		
15	1	1	16-QAM	23.66	23.74	23.68	20.01	0.1002
15	1	1	64-QAM	22.30	22.85	22.58		
15	1	1	256-QAM	20.30	20.04	19.82		
Limit	ERP < 3W			Result			Pass	

NR n26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.60	23.80	23.89	19.90	0.0977
5	1	23		23.73	23.76	23.85		
5	12	6		23.70	23.86	23.86		
5	1	0		23.02	23.33	23.32		
5	1	24		23.12	23.28	23.27		
5	25	0		23.11	23.29	23.37		
5	1	1	QPSK	23.80	23.88	23.89		
5	1	23		23.77	23.90	23.81		
5	12	6		23.73	23.96	23.85		
5	1	0		22.68	22.79	22.87		
5	1	24		22.75	22.73	22.84		
5	25	0		22.72	22.91	22.87		
5	1	1	16-QAM	22.72	22.92	22.84	18.86	0.0769
5	1	1	64-QAM	21.47	21.63	21.55		
5	1	1	256-QAM	18.72	18.94	18.89		
Limit	ERP < 7W			Result			Pass	

NR n26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.98	23.95	24.02	19.99	0.0998
10	1	50		24.00	23.90	24.00		
10	25	12		24.03	24.00	23.95		
10	1	0		23.33	23.58	23.38		
10	1	51		23.50	23.44	23.39		
10	50	0		23.55	23.54	23.49		
10	1	1	QPSK	24.05	24.03	23.97		
10	1	50		23.92	23.97	24.00		
10	25	12		24.04	24.04	23.96		
10	1	0		22.99	22.93	23.03		
10	1	51		23.03	22.95	22.98		
10	50	0		23.03	23.06	22.94		
10	1	1	16-QAM	22.85	22.96	23.00	18.94	0.0783
10	1	1	64-QAM	21.63	21.69	21.69		
10	1	1	256-QAM	18.99	19.00	19.02		
Limit	ERP < 7W			Result			Pass	

NR n26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	24.05	24.05	24.05	20.22	0.1052
15	1	77		24.08	24.00	23.88		
15	36	18		24.19	24.20	24.10		
15	1	0		23.54	23.63	23.55		
15	1	78		23.63	23.39	23.44		
15	75	0		23.74	23.71	23.62		
15	1	1	QPSK	24.18	24.20	24.13		
15	1	77		24.18	24.05	24.01		
15	36	18		24.28	24.24	24.20		
15	1	0		23.07	23.16	23.09		
15	1	78		23.15	23.11	23.18		
15	75	0		23.22	23.21	23.14		
15	1	1	16-QAM	23.07	23.07	23.01	19.01	0.0796
15	1	1	64-QAM	21.79	21.90	21.84		
15	1	1	256-QAM	19.12	19.15	19.09		
Limit	ERP < 7W			Result			Pass	

NR n26 (Part22H) Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.16	24.14	24.62	20.59	0.1146
20	1	104		24.15	24.08	24.44		
20	50	25		24.29	24.24	24.64		
20	1	0		23.53	23.55	24.18		
20	1	105		23.56	23.47	23.83		
20	100	0		23.74	23.72	24.13		
20	1	1	QPSK	24.30	24.16	24.62		
20	1	104		24.23	24.16	24.53		
20	50	25		24.28	24.24	24.65		
20	1	0		23.24	23.11	23.57		
20	1	105		23.16	23.10	23.58		
20	100	0		23.32	23.22	23.67		
20	1	1	16-QAM	23.14	23.05	23.57	19.51	0.0893
20	1	1	64-QAM	21.87	21.86	22.30		
20	1	1	256-QAM	19.20	19.17	19.66		
Limit	ERP < 7W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.84	23.79	23.83	22.28	0.1690
20	1	49		23.89	23.93	23.88		
20	25	12		23.96	23.96	23.95		
20	1	0		23.31	23.28	23.27		
20	1	50		23.36	23.42	23.33		
20	50	0		23.41	23.46	23.40		
20	1	1	QPSK	23.78	23.75	23.72		
20	1	49		23.85	23.86	23.79		
20	25	12		23.91	23.93	23.92		
20	1	0		22.77	22.74	22.71		
20	1	50		22.75	22.79	22.80		
20	50	0		22.91	22.95	22.87		
20	1	1	16-QAM	22.99	22.84	22.85	21.31	0.1352
20	1	1	64-QAM	21.35	21.31	21.27		
20	1	1	256-QAM	19.02	19.04	19.06		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.90	23.92	23.94	22.36	0.1722
30	1	76		24.03	24.04	24.02		
30	36	18		23.93	23.40	24.00		
30	1	0		23.45	23.46	23.40		
30	1	77		23.49	23.54	23.48		
30	75	0		23.47	23.49	23.49		
30	1	1	QPSK	23.88	23.87	23.88		
30	1	76		24.02	24.03	23.96		
30	36	18		23.94	22.94	23.97		
30	1	0		22.89	22.85	22.84		
30	1	77		23.02	23.03	22.96		
30	75	0		22.93	22.96	23.02		
30	1	1	16-QAM	22.85	23.09	22.79	21.41	0.1384
30	1	1	64-QAM	21.38	21.38	21.27		
30	1	1	256-QAM	19.35	19.14	19.41		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.95	23.75	23.92	22.40	0.1738
40	1	104		24.04	24.08	24.04		
40	50	25		23.97	24.02	24.01		
40	1	0		23.43	23.41	23.41		
40	1	105		23.52	23.56	23.54		
40	100	0		23.48	23.54	23.54		
40	1	1	QPSK	23.85	23.74	23.81		
40	1	104		24.03	24.05	24.06		
40	50	25		23.96	24.01	23.97		
40	1	0		22.92	22.82	22.86		
40	1	105		23.02	23.04	23.02		
40	100	0		23.00	23.03	22.96		
40	1	1	16-QAM	23.03	23.04	23.00	21.36	0.1368
40	1	1	64-QAM	21.48	21.41	21.45		
40	1	1	256-QAM	19.23	19.15	19.20		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.00	26.05	26.24	24.71	0.2958
20	1	49		26.02	26.00	26.38		
20	25	12		26.08	25.96	26.39		
20	1	0		22.56	22.42	22.73		
20	1	50		22.46	22.55	22.88		
20	50	0		25.63	25.51	25.85		
20	1	1	QPSK	26.05	25.91	26.21		
20	1	49		25.97	26.02	26.35		
20	25	12		26.03	25.96	26.37		
20	1	0		22.57	22.35	22.75		
20	1	50		22.45	22.47	22.87		
20	50	0		25.03	25.00	25.36		
20	1	1	16-QAM	25.27	25.10	25.47	23.79	0.2393
20	1	1	64-QAM	23.57	23.49	23.82		
20	1	1	256-QAM	21.38	21.29	21.58		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.08	26.00	26.25	24.73	0.2972
30	1	76		26.05	26.17	26.41		
30	36	18		26.04	26.00	26.35		
30	1	0		22.67	22.43	22.72		
30	1	77		22.59	22.64	22.89		
30	75	0		25.53	25.51	25.87		
30	1	1	QPSK	26.12	25.95	26.22		
30	1	76		26.06	26.06	26.38		
30	36	18		26.03	25.93	26.35		
30	1	0		22.65	22.35	22.71		
30	1	77		22.56	22.57	22.90		
30	75	0		25.13	24.97	25.36		
30	1	1	16-QAM	25.32	25.08	25.42	23.74	0.2366
30	1	1	64-QAM	23.64	23.47	23.75		
30	1	1	256-QAM	21.49	21.22	21.56		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.32	25.88	26.23	24.81	0.3027
40	1	104		26.16	26.11	26.49		
40	50	25		26.03	25.97	26.35		
40	1	0		22.78	22.31	22.75		
40	1	105		22.62	22.63	23.03		
40	100	0		25.59	25.49	25.82		
40	1	1	QPSK	26.25	25.88	26.23		
40	1	104		26.12	26.06	26.48		
40	50	25		26.07	25.95	26.35		
40	1	0		22.74	22.31	22.73		
40	1	105		22.67	22.56	23.03		
40	100	0		25.08	25.00	25.39		
40	1	1	16-QAM	25.32	25.00	25.26	23.64	0.2312
40	1	1	64-QAM	23.71	23.37	23.86		
40	1	1	256-QAM	21.59	21.14	21.58		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.22	25.85	26.00	24.74	0.2979
50	1	131		26.00	26.12	26.42		
50	64	32		26.11	26.02	26.31		
50	1	0		22.77	22.29	22.47		
50	1	132		22.43	22.63	22.94		
50	128	0		25.66	25.43	25.80		
50	1	1	QPSK	26.28	25.87	25.94		
50	1	131		26.00	26.11	26.39		
50	64	32		26.18	25.95	26.33		
50	1	0		22.77	22.32	22.43		
50	1	132		22.46	22.67	23.00		
50	128	0		25.18	24.96	25.31		
50	1	1	16-QAM	25.29	25.00	25.03	23.61	0.2296
50	1	1	64-QAM	23.79	23.37	23.61		
50	1	1	256-QAM	21.58	21.11	21.29		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.10	25.74	25.79	24.95	0.3126
60	1	160		25.86	26.22	26.63		
60	81	40		26.07	25.90	26.35		
60	1	0		22.63	22.23	22.25		
60	1	161		22.37	22.68	23.08		
60	162	0		25.56	25.50	25.84		
60	1	1	QPSK	26.04	25.67	25.77		
60	1	160		25.85	26.20	26.60		
60	81	40		26.03	26.00	26.35		
60	1	0		22.61	22.14	22.24		
60	1	161		22.37	22.69	23.08		
60	162	0		25.03	25.01	25.35		
60	1	1	16-QAM	25.16	24.79	24.96	23.48	0.2228
60	1	1	64-QAM	23.57	23.35	23.36		
60	1	1	256-QAM	21.40	20.98	21.03		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.00	25.68	25.70	24.92	0.3105
80	1	215		25.95	26.30	26.41		
80	108	54		25.87	25.94	26.26		
80	1	0		22.44	22.17	22.02		
80	1	216		22.36	22.82	23.00		
80	216	0		25.37	25.38	25.70		
80	1	1	QPSK	25.95	25.66	25.57		
80	1	215		25.92	26.31	26.60		
80	108	54		25.82	25.91	26.23		
80	1	0		22.45	22.14	22.08		
80	1	216		22.46	22.81	23.07		
80	216	0		24.86	24.87	25.17		
80	1	1	16-QAM	24.88	24.83	24.51	23.20	0.2089
80	1	1	64-QAM	23.44	23.19	23.06		
80	1	1	256-QAM	21.41	20.95	21.10		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.00	25.68	25.61	24.85	0.3055
90	1	243		26.02	26.34	26.53		
90	120	60		25.90	25.89	26.17		
90	1	0		22.48	22.14	22.03		
90	1	244		22.52	22.81	23.03		
90	243	0		25.51	25.39	25.58		
90	1	1	QPSK	25.93	25.75	25.51		
90	1	243		25.94	26.35	26.53		
90	120	60		25.86	25.91	26.18		
90	1	0		22.39	22.11	22.00		
90	1	244		22.47	22.86	23.00		
90	243	0		25.00	24.85	25.11		
90	1	1	16-QAM	24.98	24.73	24.56	23.30	0.2138
90	1	1	64-QAM	23.55	23.18	23.00		
90	1	1	256-QAM	21.27	21.25	21.07		
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	26.05	25.65	25.51	24.81	0.3027
100	1	271		26.16	26.45	26.49		
100	135	67		25.93	25.88	26.07		
100	1	0		22.56	22.17	21.95		
100	1	272		22.65	22.93	22.93		
100	270	0		25.56	25.45	25.60		
100	1	1	QPSK	26.00	25.62	25.48		
100	1	271		26.15	26.43	26.45		
100	135	67		25.97	25.89	26.02		
100	1	0		22.51	22.21	21.95		
100	1	272		22.56	22.85	23.00		
100	270	0		25.03	24.86	25.08		
100	1	1	16-QAM	25.02	24.85	24.53	23.34	0.2158
100	1	1	64-QAM	23.51	23.16	23.11		
100	1	1	256-QAM	21.30	20.91	20.73		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 0.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.62	24.74	24.60	25.27	0.3365
5	1	23		24.62	24.72	24.60		
5	12	6		24.58	24.84	24.62		
5	1	0		24.10	24.33	24.21		
5	1	24		24.01	24.34	24.26		
5	25	0		24.11	24.33	24.13		
5	1	1	QPSK	24.70	24.84	24.76		
5	1	23		24.76	24.89	24.65		
5	12	6		24.66	24.69	24.71		
5	1	0		23.61	23.83	23.60		
5	1	24		23.72	23.80	23.68		
5	25	0		23.65	23.79	23.62		
5	1	1	16-QAM	23.70	23.78	23.71	24.16	0.2606
5	1	1	64-QAM	22.40	22.46	22.18		
5	1	1	256-QAM	19.70	19.78	20.23		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 0.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.42	24.60	24.55	25.25	0.3350
10	1	50		24.40	24.87	24.52		
10	25	12		24.65	24.79	24.79		
10	1	0		24.10	24.14	24.26		
10	1	51		23.99	24.26	24.09		
10	50	0		24.11	24.33	24.24		
10	1	1	QPSK	24.84	24.65	24.66		
10	1	50		24.54	24.74	24.60		
10	25	12		24.65	24.85	24.75		
10	1	0		23.65	23.70	23.81		
10	1	51		23.67	23.76	23.66		
10	50	0		23.66	23.91	23.68		
10	1	1	16-QAM	23.59	23.66	23.71	24.09	0.2564
10	1	1	64-QAM	22.47	22.26	22.03		
10	1	1	256-QAM	20.08	19.66	20.08		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 0.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.52	24.69	24.58	25.28	0.3373
15	1	77		24.57	24.74	24.64		
15	36	18		24.68	24.87	24.81		
15	1	0		24.23	24.22	24.05		
15	1	78		24.17	24.28	24.29		
15	75	0		24.10	24.34	24.33		
15	1	1	QPSK	24.67	24.84	24.86		
15	1	77		24.64	24.90	24.85		
15	36	18		24.63	24.84	24.75		
15	1	0		23.57	23.95	23.89		
15	1	78		23.68	23.91	23.89		
15	75	0		23.70	23.88	23.68		
15	1	1	16-QAM	23.49	23.80	23.70	24.18	0.2618
15	1	1	64-QAM	22.34	22.34	22.12		
15	1	1	256-QAM	19.63	19.99	20.05		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 0.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.95	25.20	24.74	25.58	0.3614
20	1	104		24.56	24.72	24.54		
20	50	25		24.61	24.81	24.80		
20	1	0		24.23	24.20	24.13		
20	1	105		24.18	24.25	24.24		
20	100	0		24.12	24.32	24.26		
20	1	1	QPSK	24.65	24.82	24.80		
20	1	104		24.61	24.86	24.81		
20	50	25		24.61	24.88	24.72		
20	1	0		23.48	23.90	23.68		
20	1	105		23.50	23.89	23.79		
20	100	0		23.56	23.87	23.68		
20	1	1	16-QAM	23.39	23.70	23.55	24.08	0.2559
20	1	1	64-QAM	22.24	22.47	22.46		
20	1	1	256-QAM	19.58	19.77	19.68		
Limit	EIRP < 1W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	25.00	25.05	25.01	20.79	0.1199
5	1	23		25.18	25.13	24.91		
5	12	6		25.13	25.16	25.05		
5	1	0		24.46	24.52	24.54		
5	1	24		24.68	24.67	24.36		
5	25	0		24.69	24.71	24.55		
5	1	1	QPSK	24.92	25.18	25.16		
5	1	23		25.14	25.12	24.99		
5	12	6		25.12	25.15	25.05		
5	1	0		23.97	24.15	24.13		
5	1	24		24.11	24.18	23.94		
5	25	0		24.17	24.17	24.09		
5	1	1	16-QAM	23.99	24.07	23.99	19.68	0.0929
5	1	1	64-QAM	22.90	22.91	22.72		
5	1	1	256-QAM	20.21	20.13	20.12		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	25.03	25.04	25.16	20.80	0.1202
10	1	50		25.14	25.16	25.05		
10	25	12		25.18	25.19	25.18		
10	1	0		24.63	24.69	24.74		
10	1	51		24.66	24.62	24.55		
10	50	0		24.64	24.64	24.60		
10	1	1	QPSK	24.97	25.18	25.13		
10	1	50		25.17	25.16	24.96		
10	25	12		25.18	25.16	25.17		
10	1	0		24.24	24.16	24.28		
10	1	51		24.18	24.24	24.04		
10	50	0		24.15	24.15	24.13		
10	1	1	16-QAM	23.98	24.05	24.14	19.75	0.0944
10	1	1	64-QAM	23.02	22.86	22.99		
10	1	1	256-QAM	20.26	20.05	20.24		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	25.10	25.10	25.15	20.80	0.1202
15	1	77		25.16	25.15	24.94		
15	36	18		25.18	25.11	25.19		
15	1	0		24.68	24.71	24.78		
15	1	78		24.64	24.76	24.54		
15	75	0		24.72	24.73	24.69		
15	1	1	QPSK	24.91	25.15	25.17		
15	1	77		25.18	25.17	25.05		
15	36	18		25.16	25.19	25.18		
15	1	0		24.29	23.92	24.29		
15	1	78		24.18	24.27	23.99		
15	75	0		24.26	24.26	24.20		
15	1	1	16-QAM	23.97	24.12	24.23	19.84	0.0964
15	1	1	64-QAM	22.87	22.81	23.05		
15	1	1	256-QAM	19.96	20.01	20.19		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	24.96	25.00	25.17	20.81	0.1205
20	1	104		25.19	25.16	25.04		
20	50	25		25.19	25.19	25.20		
20	1	0		24.54	24.70	24.67		
20	1	105		24.79	24.74	24.55		
20	100	0		24.71	24.77	24.75		
20	1	1	QPSK	24.96	24.94	25.18		
20	1	104		25.10	25.13	25.05		
20	50	25		25.16	25.17	25.15		
20	1	0		24.26	24.15	24.23		
20	1	105		24.35	24.36	24.04		
20	100	0		24.26	24.25	24.21		
20	1	1	16-QAM	23.99	24.15	24.15	19.76	0.0946
20	1	1	64-QAM	22.89	22.81	22.90		
20	1	1	256-QAM	19.87	19.81	19.93		
Limit	ERP < 3W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.93	26.11	26.05	26.16	0.4130
10	1	22		25.90	26.13	26.11		
10	12	6		26.07	26.26	26.15		
10	1	0		22.28	22.73	22.52		
10	1	23		22.34	22.65	22.52		
10	24	0		25.46	25.78	25.65		
10	1	1	QPSK	25.88	26.23	26.08		
10	1	22		25.88	26.22	26.06		
10	12	6		25.94	26.28	25.99		
10	1	0		22.39	22.60	22.52		
10	1	23		22.29	22.60	22.51		
10	24	0		24.93	25.24	25.11		
10	1	1	16-QAM	24.97	25.32	25.04	25.20	0.3311
10	1	1	64-QAM	23.47	23.71	23.56		
10	1	1	256-QAM	21.16	21.50	21.26		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.79	26.18	25.95	26.12	0.4093
15	1	36		25.90	26.24	26.06		
15	18	9		25.99	26.24	26.07		
15	1	0		22.45	22.61	22.40		
15	1	37		22.36	22.69	22.54		
15	36	0		25.44	25.74	25.51		
15	1	1	QPSK	25.78	26.15	25.94		
15	1	36		25.93	26.22	26.12		
15	18	9		25.90	26.23	26.06		
15	1	0		22.26	22.61	22.46		
15	1	37		22.42	22.68	22.53		
15	36	0		25.01	25.21	25.08		
15	1	1	16-QAM	24.94	25.27	25.13	25.15	0.3273
15	1	1	64-QAM	23.47	23.66	23.58		
15	1	1	256-QAM	21.09	21.41	21.17		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.92	26.20	26.01	26.10	0.4074
20	1	49		25.94	26.16	26.09		
20	25	12		25.95	26.22	26.08		
20	1	0		22.45	22.62	22.42		
20	1	50		22.35	22.63	22.64		
20	50	0		25.47	25.79	25.56		
20	1	1	QPSK	25.89	26.16	25.92		
20	1	49		25.85	26.15	26.04		
20	25	12		25.99	26.19	26.07		
20	1	0		22.34	22.59	22.32		
20	1	50		22.31	22.59	22.53		
20	50	0		24.96	25.31	25.06		
20	1	1	16-QAM	25.07	25.23	25.04	25.11	0.3243
20	1	1	64-QAM	23.54	23.72	23.46		
20	1	1	256-QAM	21.13	21.46	21.22		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.90	26.24	26.04	26.13	0.4102
30	1	76		26.01	26.21	26.07		
30	36	18		25.99	26.25	26.06		
30	1	0		22.42	22.67	22.40		
30	1	77		22.44	22.76	22.53		
30	75	0		25.50	25.74	25.53		
30	1	1	QPSK	25.90	26.22	26.01		
30	1	76		26.08	26.21	26.10		
30	36	18		25.88	26.20	26.05		
30	1	0		22.27	22.67	22.52		
30	1	77		22.48	22.67	22.52		
30	75	0		25.00	25.18	25.01		
30	1	1	16-QAM	25.03	25.41	25.19	25.29	0.3381
30	1	1	64-QAM	23.42	23.68	23.44		
30	1	1	256-QAM	21.05	21.48	21.25		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.13	26.27	26.05	26.17	0.4140
40	1	104		26.03	26.13	26.24		
40	50	25		26.01	26.27	26.12		
40	1	0		22.52	22.77	22.56		
40	1	105		22.55	22.71	22.74		
40	100	0		25.47	25.77	25.56		
40	1	1	QPSK	26.05	26.17	26.07		
40	1	104		26.05	26.16	26.25		
40	50	25		26.00	26.29	26.07		
40	1	0		22.69	22.82	22.50		
40	1	105		22.43	22.67	22.85		
40	100	0		24.94	25.14	25.07		
40	1	1	16-QAM	25.13	25.33	25.14	25.21	0.3319
40	1	1	64-QAM	23.63	23.87	23.72		
40	1	1	256-QAM	21.34	21.51	21.37		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.80	25.92	25.84	25.96	0.3945
50	1	131		25.85	26.07	26.08		
50	64	32		25.77	26.08	25.91		
50	1	0		22.21	22.45	22.22		
50	1	132		22.15	22.56	22.51		
50	128	0		25.23	25.48	25.32		
50	1	1	QPSK	25.87	25.96	25.71		
50	1	131		25.79	25.93	26.00		
50	64	32		25.75	26.07	25.88		
50	1	0		22.24	22.36	22.21		
50	1	132		22.04	22.40	22.42		
50	128	0		24.74	25.03	24.82		
50	1	1	16-QAM	24.86	25.03	24.89	24.91	0.3097
50	1	1	64-QAM	23.42	23.56	23.32		
50	1	1	256-QAM	20.97	21.34	21.02		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.64	25.88	26.09	26.31	0.4276
60	1	160		25.63	26.02	26.12		
60	81	40		25.75	26.21	26.43		
60	1	0		22.32	22.36	22.70		
60	1	161		22.29	22.42	23.08		
60	162	0		25.17	25.52	25.88		
60	1	1	QPSK	25.55	25.94	26.05		
60	1	160		25.64	25.97	26.40		
60	81	40		25.74	26.03	26.43		
60	1	0		22.20	22.34	22.55		
60	1	161		22.13	22.36	22.96		
60	162	0		24.73	25.05	25.39		
60	1	1	16-QAM	24.74	25.01	25.17	25.05	0.3199
60	1	1	64-QAM	23.30	23.51	23.48		
60	1	1	256-QAM	21.02	20.96	21.30		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.79	25.90	26.06	26.37	0.4335
70	1	187		25.79	26.03	26.49		
70	90	45		25.88	26.14	26.49		
70	1	0		22.22	22.38	22.54		
70	1	188		22.16	22.44	22.94		
70	180	0		25.33	25.56	25.90		
70	1	1	QPSK	25.76	25.86	26.03		
70	1	187		25.70	26.00	26.43		
70	90	45		25.89	26.10	26.47		
70	1	0		22.21	22.35	22.46		
70	1	188		22.15	22.43	22.90		
70	180	0		24.85	25.07	25.36		
70	1	1	16-QAM	24.96	24.95	25.22	25.10	0.3236
70	1	1	64-QAM	23.33	23.41	23.62		
70	1	1	256-QAM	21.03	21.15	21.40		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.83	25.90	26.00	26.30	0.4266
80	1	215		25.82	26.05	26.42		
80	108	54		25.91	26.16	26.42		
80	1	0		22.27	22.31	22.48		
80	1	216		22.22	22.47	22.87		
80	216	0		25.32	25.57	25.75		
80	1	1	QPSK	25.85	25.88	26.01		
80	1	215		25.82	26.03	26.35		
80	108	54		25.92	26.11	26.35		
80	1	0		22.27	22.35	22.43		
80	1	216		22.30	22.48	22.85		
80	216	0		24.84	25.01	25.30		
80	1	1	16-QAM	24.91	25.00	25.09	24.97	0.3141
80	1	1	64-QAM	23.40	23.48	23.48		
80	1	1	256-QAM	21.05	21.12	21.24		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.82	25.91	25.95	26.33	0.4295
90	1	243		25.97	26.11	26.45		
90	120	60		25.90	26.11	26.19		
90	1	0		22.16	22.30	22.39		
90	1	244		22.34	22.58	22.88		
90	243	0		25.30	25.55	25.65		
90	1	1	QPSK	25.76	25.83	25.89		
90	1	243		25.73	26.01	26.41		
90	120	60		25.84	26.11	26.20		
90	1	0		22.19	22.29	22.34		
90	1	244		22.28	22.54	22.83		
90	243	0		24.82	25.00	25.15		
90	1	1	16-QAM	24.85	24.92	25.03	24.91	0.3097
90	1	1	64-QAM	23.28	23.39	23.46		
90	1	1	256-QAM	20.97	21.03	21.15		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -0.12 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.78	25.84	25.82	26.39	0.4355
100	1	271		25.90	26.24	26.51		
100	135	67		25.87	26.13	26.24		
100	1	0		22.20	22.35	22.28		
100	1	272		22.29	22.63	22.95		
100	270	0		25.33	25.57	25.72		
100	1	1	QPSK	25.71	25.80	25.82		
100	1	271		25.83	26.04	26.49		
100	135	67		25.83	26.10	26.21		
100	1	0		22.22	22.29	22.27		
100	1	272		22.25	22.64	22.91		
100	270	0		24.82	25.03	25.22		
100	1	1	16-QAM	24.83	24.89	24.91	24.79	0.3013
100	1	1	64-QAM	23.23	23.38	23.39		
100	1	1	256-QAM	21.00	21.06	21.08		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.30	25.47	25.50	24.02	0.2523
10	1	22		25.26	25.44	25.49		
10	12	6		25.33	25.56	25.55		
10	1	0		21.92	21.98	21.95		
10	1	23		21.84	21.86	22.00		
10	24	0		24.97	25.02	24.99		
10	1	1	QPSK	25.28	25.35	25.49		
10	1	22		25.26	25.40	25.48		
10	12	6		25.36	25.43	25.51		
10	1	0		21.86	21.94	22.00		
10	1	23		21.72	21.87	21.96		
10	24	0		24.38	24.53	24.55		
10	1	1	16-QAM	24.29	24.52	24.54	23.00	0.1995
10	1	1	64-QAM	22.92	23.00	23.09		
10	1	1	256-QAM	20.89	20.77	20.89		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.37	25.37	25.53	24.00	0.2512
15	1	36		25.30	25.46	25.49		
15	18	9		25.42	25.48	25.52		
15	1	0		21.81	21.85	22.00		
15	1	37		21.89	21.94	21.87		
15	36	0		24.95	24.97	25.05		
15	1	1	QPSK	25.35	25.45	25.47		
15	1	36		25.38	25.37	25.33		
15	18	9		25.39	25.54	25.52		
15	1	0		21.81	21.92	21.93		
15	1	37		21.92	21.91	21.93		
15	36	0		24.38	24.54	24.47		
15	1	1	16-QAM	24.43	24.42	24.51	22.97	0.1982
15	1	1	64-QAM	23.02	22.93	23.06		
15	1	1	256-QAM	20.69	20.62	20.88		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.33	25.44	25.49	24.03	0.2529
20	1	49		25.43	25.45	25.42		
20	25	12		25.42	25.55	25.52		
20	1	0		21.94	21.92	22.07		
20	1	50		22.04	21.91	22.04		
20	50	0		24.87	25.02	25.05		
20	1	1	QPSK	25.42	25.42	25.46		
20	1	49		25.35	25.44	25.57		
20	25	12		25.36	25.50	25.54		
20	1	0		21.86	21.88	22.00		
20	1	50		21.84	21.96	22.00		
20	50	0		24.37	24.43	24.54		
20	1	1	16-QAM	24.28	24.54	24.64	23.10	0.2042
20	1	1	64-QAM	22.97	23.01	23.05		
20	1	1	256-QAM	20.96	20.74	20.82		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.48	25.46	25.46	24.02	0.2523
30	1	76		25.49	25.50	25.38		
30	36	18		25.39	25.47	25.56		
30	1	0		21.90	22.02	21.92		
30	1	77		21.96	21.97	22.01		
30	75	0		24.89	24.98	24.98		
30	1	1	QPSK	25.48	25.50	25.52		
30	1	76		25.42	25.44	25.44		
30	36	18		25.38	25.45	25.51		
30	1	0		21.99	22.01	21.95		
30	1	77		21.99	21.95	21.82		
30	75	0		24.39	24.52	24.48		
30	1	1	16-QAM	24.56	24.57	24.37	23.03	0.2009
30	1	1	64-QAM	23.00	23.12	22.83		
30	1	1	256-QAM	20.75	20.77	20.98		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.49	26.18	25.41	24.64	0.2911
40	1	104		25.50	25.59	25.59		
40	50	25		25.49	25.44	25.56		
40	1	0		21.97	22.08	21.94		
40	1	105		21.96	22.05	22.05		
40	100	0		24.90	24.99	25.04		
40	1	1	QPSK	25.48	25.54	25.34		
40	1	104		25.50	25.59	25.50		
40	50	25		25.36	25.51	25.43		
40	1	0		21.95	22.03	21.91		
40	1	105		22.01	22.12	22.00		
40	100	0		24.39	24.45	24.54		
40	1	1	16-QAM	24.55	24.61	24.52	23.07	0.2028
40	1	1	64-QAM	23.08	23.20	23.05		
40	1	1	256-QAM	20.82	20.93	20.81		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.26	25.31	25.13	23.90	0.2455
50	1	131		25.27	25.40	25.16		
50	64	32		25.31	25.44	25.25		
50	1	0		21.73	21.76	21.59		
50	1	132		21.67	21.83	21.66		
50	128	0		24.81	24.80	24.81		
50	1	1	QPSK	25.14	25.10	25.04		
50	1	131		25.18	25.29	25.08		
50	64	32		25.29	25.36	25.33		
50	1	0		21.64	21.66	21.61		
50	1	132		21.69	21.80	21.68		
50	128	0		24.24	24.32	24.28		
50	1	1	16-QAM	24.26	24.29	24.14	22.75	0.1884
50	1	1	64-QAM	22.75	22.70	22.63		
50	1	1	256-QAM	20.48	20.55	20.51		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.10	25.20	25.13	23.98	0.2500
60	1	160		25.21	25.52	25.31		
60	81	40		25.22	25.33	25.29		
60	1	0		21.59	21.64	21.67		
60	1	161		21.64	21.90	21.78		
60	162	0		24.71	24.85	24.80		
60	1	1	QPSK	25.04	25.17	25.09		
60	1	160		25.10	25.42	25.26		
60	81	40		25.22	25.37	25.31		
60	1	0		21.58	21.67	21.58		
60	1	161		21.70	21.90	21.85		
60	162	0		24.23	24.37	24.26		
60	1	1	16-QAM	24.07	24.03	24.11	22.57	0.1807
60	1	1	64-QAM	22.55	22.71	22.51		
60	1	1	256-QAM	20.65	20.78	20.64		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.24	25.24	25.37	23.87	0.2438
70	1	187		25.34	25.39	25.40		
70	90	45		25.36	25.32	25.41		
70	1	0		21.75	21.71	21.83		
70	1	188		21.73	21.89	21.77		
70	180	0		24.84	24.89	24.92		
70	1	1	QPSK	25.05	25.11	25.22		
70	1	187		25.17	25.29	25.37		
70	90	45		25.30	25.32	25.40		
70	1	0		21.65	21.67	21.79		
70	1	188		21.75	21.82	21.85		
70	180	0		24.35	24.32	24.40		
70	1	1	16-QAM	24.21	24.24	24.42	22.88	0.1941
70	1	1	64-QAM	22.76	22.76	22.87		
70	1	1	256-QAM	20.45	20.56	20.84		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.24	25.18	25.25	23.89	0.2449
80	1	215		25.38	25.43	25.40		
80	108	54		25.36	25.36	25.41		
80	1	0		21.65	21.70	21.66		
80	1	216		21.86	21.93	21.83		
80	216	0		24.84	24.83	24.92		
80	1	1	QPSK	25.16	25.16	25.16		
80	1	215		25.29	25.35	25.23		
80	108	54		25.33	25.32	25.40		
80	1	0		21.67	21.67	21.67		
80	1	216		21.80	21.92	21.82		
80	216	0		24.34	24.32	24.38		
80	1	1	16-QAM	24.22	24.24	24.27	22.73	0.1875
80	1	1	64-QAM	22.76	22.79	22.76		
80	1	1	256-QAM	20.58	20.52	20.54		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.15	25.27	25.22	24.00	0.2512
90	1	243		25.54	25.50	25.46		
90	120	60		25.35	25.35	25.32		
90	1	0		21.71	21.67	21.58		
90	1	244		22.02	21.96	21.90		
90	243	0		24.86	24.82	24.80		
90	1	1	QPSK	25.10	25.20	25.14		
90	1	243		25.42	25.31	25.41		
90	120	60		25.38	25.39	25.31		
90	1	0		21.73	21.69	21.74		
90	1	244		22.04	21.99	21.96		
90	243	0		24.35	24.35	24.30		
90	1	1	16-QAM	24.19	24.33	24.27	22.79	0.1901
90	1	1	64-QAM	22.74	22.82	22.79		
90	1	1	256-QAM	20.46	20.56	20.58		
Limit	EIRP < 1W			Result			Pass	

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.16	-	23.96	0.2489
100	1	271		-	25.50	-		
100	135	67		-	25.35	-		
100	1	0		-	21.77	-		
100	1	272		-	22.00	-		
100	270	0		-	24.87	-		
100	1	1	QPSK	-	25.09	-		
100	1	271		-	25.42	-		
100	135	67		-	25.36	-		
100	1	0		-	21.67	-		
100	1	272		-	21.93	-		
100	270	0		-	24.32	-		
100	1	1	16-QAM	-	24.21	-	22.67	0.1849
100	1	1	64-QAM	-	22.76	-		
100	1	1	256-QAM	-	20.47	-		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.99	26.19	26.17	26.38	0.4345
10	1	22		25.93	26.11	26.15		
10	12	6		26.02	26.12	26.50		
10	1	0		22.50	22.63	22.82		
10	1	23		22.39	22.50	22.76		
10	24	0		25.55	25.63	25.81		
10	1	1	QPSK	25.97	26.15	26.17		
10	1	22		25.94	26.14	26.14		
10	12	6		25.99	26.16	26.18		
10	1	0		22.46	22.67	22.82		
10	1	23		22.40	22.57	22.73		
10	24	0		24.99	25.17	25.35		
10	1	1	16-QAM	25.07	25.21	25.38	25.26	0.3357
10	1	1	64-QAM	23.51	23.69	23.74		
10	1	1	256-QAM	21.27	21.42	21.51		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.13	26.15	26.19	26.07	0.4046
15	1	36		26.03	26.12	26.17		
15	18	9		26.09	26.15	26.19		
15	1	0		22.61	22.75	22.85		
15	1	37		22.44	22.51	22.67		
15	36	0		25.64	25.74	25.91		
15	1	1	QPSK	26.11	26.15	26.19		
15	1	36		26.02	26.10	26.17		
15	18	9		26.09	26.13	26.19		
15	1	0		22.59	22.79	22.85		
15	1	37		22.43	22.62	22.65		
15	36	0		25.08	25.25	25.27		
15	1	1	16-QAM	25.25	25.38	25.38	25.26	0.3357
15	1	1	64-QAM	23.71	23.85	23.92		
15	1	1	256-QAM	21.37	21.54	21.67		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.10	26.16	26.20	26.08	0.4055
20	1	49		26.06	26.14	26.19		
20	25	12		26.12	26.17	26.20		
20	1	0		22.55	22.72	22.74		
20	1	50		22.55	22.58	22.82		
20	50	0		25.64	25.76	25.89		
20	1	1	QPSK	26.06	26.19	26.14		
20	1	49		26.04	26.10	26.20		
20	25	12		26.10	26.16	26.20		
20	1	0		22.55	22.75	22.71		
20	1	50		22.50	22.61	22.75		
20	50	0		25.11	25.24	25.32		
20	1	1	16-QAM	25.27	25.32	25.42	25.30	0.3388
20	1	1	64-QAM	23.65	23.88	23.80		
20	1	1	256-QAM	21.38	21.56	21.58		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.20	26.20	26.20	26.08	0.4055
30	1	76		26.16	26.16	26.18		
30	36	18		26.01	26.15	26.19		
30	1	0		22.75	22.91	22.93		
30	1	77		22.63	22.63	22.93		
30	75	0		25.63	25.77	25.84		
30	1	1	QPSK	26.17	26.18	26.20		
30	1	76		26.13	26.18	26.20		
30	36	18		26.02	26.17	26.18		
30	1	0		22.68	22.98	22.96		
30	1	77		22.63	22.71	22.90		
30	75	0		25.06	25.30	25.36		
30	1	1	16-QAM	25.22	25.58	25.47	25.46	0.3516
30	1	1	64-QAM	23.76	24.02	23.91		
30	1	1	256-QAM	21.45	21.60	21.65		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.17	26.20	26.20	26.08	0.4055
40	1	104		26.18	26.17	26.19		
40	50	25		26.17	26.19	26.19		
40	1	0		22.75	23.02	22.85		
40	1	105		22.73	22.85	22.94		
40	100	0		25.66	25.79	25.82		
40	1	1	QPSK	26.14	26.19	26.20		
40	1	104		26.18	26.19	26.19		
40	50	25		26.10	26.16	26.19		
40	1	0		22.75	22.89	22.88		
40	1	105		22.81	22.79	22.83		
40	100	0		25.16	25.35	25.37		
40	1	1	16-QAM	25.37	25.50	25.53	25.41	0.3475
40	1	1	64-QAM	23.90	23.98	23.96		
40	1	1	256-QAM	21.53	21.72	21.66		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.01	26.15	26.13	26.07	0.4046
50	1	131		25.78	25.92	25.96		
50	64	32		25.87	26.13	26.03		
50	1	0		22.53	22.64	22.60		
50	1	132		22.26	22.49	22.46		
50	128	0		25.46	25.57	25.55		
50	1	1	QPSK	25.89	26.19	26.12		
50	1	131		25.80	25.92	25.97		
50	64	32		25.92	26.11	26.07		
50	1	0		22.45	22.69	22.62		
50	1	132		22.26	22.40	22.47		
50	128	0		24.88	25.09	25.15		
50	1	1	16-QAM	25.18	25.30	25.20	25.18	0.3296
50	1	1	64-QAM	23.54	23.86	23.64		
50	1	1	256-QAM	21.32	21.48	21.48		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.00	26.04	26.18	26.06	0.4036
60	1	160		25.76	25.90	25.97		
60	81	40		26.15	26.15	26.15		
60	1	0		22.56	22.66	22.64		
60	1	161		22.16	22.33	22.46		
60	162	0		25.55	25.61	25.52		
60	1	1	QPSK	26.00	26.17	26.17		
60	1	160		25.71	25.86	25.94		
60	81	40		26.00	26.14	26.09		
60	1	0		22.56	22.55	22.70		
60	1	161		22.23	22.36	22.50		
60	162	0		25.00	25.12	25.10		
60	1	1	16-QAM	25.18	25.25	25.24	25.13	0.3258
60	1	1	64-QAM	23.58	23.59	23.79		
60	1	1	256-QAM	21.42	21.57	21.49		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	26.17	26.14	26.20	26.08	0.4055
70	1	187		25.80	25.98	25.91		
70	90	45		25.97	26.06	26.17		
70	1	0		22.57	22.65	22.71		
70	1	188		22.30	22.38	22.33		
70	180	0		25.50	25.57	25.72		
70	1	1	QPSK	26.09	26.16	26.14		
70	1	187		25.76	25.94	25.95		
70	90	45		26.04	26.10	26.20		
70	1	0		22.64	22.69	22.74		
70	1	188		22.29	22.42	22.39		
70	180	0		24.97	25.11	25.21		
70	1	1	16-QAM	25.21	25.33	25.39	25.27	0.3365
70	1	1	64-QAM	23.55	23.68	23.89		
70	1	1	256-QAM	21.45	21.44	21.53		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.13	26.18	26.15	26.07	0.4046
80	1	215		25.88	25.92	25.94		
80	108	54		26.05	26.13	26.12		
80	1	0		22.66	22.60	22.69		
80	1	216		22.32	22.43	22.41		
80	216	0		25.54	25.55	25.71		
80	1	1	QPSK	26.19	26.12	26.15		
80	1	215		25.85	25.91	25.94		
80	108	54		26.07	26.09	26.13		
80	1	0		22.67	22.66	22.73		
80	1	216		22.38	22.39	22.42		
80	216	0		25.01	25.06	25.18		
80	1	1	16-QAM	25.31	25.31	25.36	25.24	0.3342
80	1	1	64-QAM	23.75	23.74	23.80		
80	1	1	256-QAM	21.40	21.47	21.53		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	26.20	26.18	26.15	26.08	0.4055
90	1	243		25.98	25.98	26.00		
90	120	60		26.06	26.13	26.11		
90	1	0		22.71	22.75	22.83		
90	1	244		22.38	22.47	22.53		
90	243	0		25.58	25.59	25.61		
90	1	1	QPSK	26.13	26.15	26.17		
90	1	243		25.98	25.99	26.01		
90	120	60		26.11	26.10	26.16		
90	1	0		22.70	22.70	22.74		
90	1	244		22.43	22.47	22.51		
90	243	0		25.02	25.06	25.15		
90	1	1	16-QAM	25.27	25.41	25.39	25.29	0.3381
90	1	1	64-QAM	23.84	23.65	23.80		
90	1	1	256-QAM	21.52	21.57	21.59		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	26.17	-	26.05	0.4027
100	1	271		-	26.00	-		
100	135	67		-	26.15	-		
100	1	0		-	22.75	-		
100	1	272		-	22.51	-		
100	270	0		-	25.63	-		
100	1	1	QPSK	-	26.16	-		
100	1	271		-	26.00	-		
100	135	67		-	26.14	-		
100	1	0		-	22.65	-		
100	1	272		-	22.45	-		
100	270	0		-	25.06	-		
100	1	1	16-QAM	-	25.30	-	25.18	0.3296
100	1	1	64-QAM	-	23.71	-		
100	1	1	256-QAM	-	21.56	-		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.68	25.69	25.73	24.19	0.2624
10	1	22		25.56	25.59	25.67		
10	12	6		25.60	25.69	25.72		
10	1	0		22.08	22.17	22.18		
10	1	23		22.01	22.02	22.11		
10	24	0		25.10	25.18	25.24		
10	1	1	QPSK	25.58	25.63	25.68		
10	1	22		25.52	25.53	25.61		
10	12	6		25.56	25.62	25.69		
10	1	0		22.04	22.12	22.15		
10	1	23		21.92	22.06	22.12		
10	24	0		24.58	24.66	24.67		
10	1	1	16-QAM	24.76	24.78	24.82	23.28	0.2128
10	1	1	64-QAM	23.16	23.23	23.29		
10	1	1	256-QAM	20.96	21.08	21.03		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.68	25.79	25.78	24.28	0.2679
15	1	36		25.59	25.63	25.66		
15	18	9		25.71	25.82	25.82		
15	1	0		22.17	22.22	22.24		
15	1	37		22.11	22.09	22.20		
15	36	0		25.20	25.27	25.30		
15	1	1	QPSK	25.67	25.72	25.71		
15	1	36		25.60	25.55	25.62		
15	18	9		25.71	25.74	25.70		
15	1	0		22.17	22.24	22.22		
15	1	37		22.05	22.10	22.19		
15	36	0		24.68	24.73	24.73		
15	1	1	16-QAM	24.75	24.92	24.79	23.38	0.2178
15	1	1	64-QAM	23.34	23.29	23.33		
15	1	1	256-QAM	20.95	21.02	21.02		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.68	25.70	25.70	24.20	0.2630
20	1	49		25.66	25.61	25.58		
20	25	12		25.69	25.73	25.67		
20	1	0		22.15	22.09	22.18		
20	1	50		22.06	22.10	22.15		
20	50	0		25.17	25.24	25.30		
20	1	1	QPSK	25.67	25.72	25.74		
20	1	49		25.61	25.59	25.60		
20	25	12		25.70	25.73	25.70		
20	1	0		22.19	22.19	22.22		
20	1	50		22.08	22.03	22.15		
20	50	0		24.70	24.68	24.68		
20	1	1	16-QAM	24.88	24.92	24.91	23.38	0.2178
20	1	1	64-QAM	23.27	23.36	23.26		
20	1	1	256-QAM	21.01	21.13	21.03		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.76	25.90	25.86	24.36	0.2729
30	1	76		25.63	25.66	25.62		
30	36	18		25.63	25.73	25.70		
30	1	0		22.25	22.32	22.35		
30	1	77		22.15	22.16	22.20		
30	75	0		25.15	25.30	25.36		
30	1	1	QPSK	25.70	25.84	25.82		
30	1	76		25.60	25.61	25.63		
30	36	18		25.63	25.73	25.70		
30	1	0		22.25	22.37	22.34		
30	1	77		22.07	22.06	22.14		
30	75	0		24.63	24.74	24.76		
30	1	1	16-QAM	24.90	25.01	24.92	23.47	0.2223
30	1	1	64-QAM	23.41	23.44	23.53		
30	1	1	256-QAM	21.02	21.17	21.11		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.14	26.22	25.99	24.68	0.2938
40	1	104		25.95	25.90	25.89		
40	50	25		25.93	26.03	25.95		
40	1	0		22.63	22.70	22.40		
40	1	105		22.43	22.44	22.37		
40	100	0		25.48	25.55	25.46		
40	1	1	QPSK	26.10	26.16	26.03		
40	1	104		25.91	25.86	25.91		
40	50	25		25.95	26.00	25.91		
40	1	0		22.60	22.69	22.49		
40	1	105		22.48	22.45	22.37		
40	100	0		24.99	25.06	24.97		
40	1	1	16-QAM	25.09	25.33	24.94	23.79	0.2393
40	1	1	64-QAM	23.69	23.80	23.55		
40	1	1	256-QAM	21.61	21.57	21.61		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.80	25.81	25.79	24.31	0.2698
50	1	131		25.58	25.56	25.50		
50	64	32		25.77	25.74	25.82		
50	1	0		22.22	22.34	22.24		
50	1	132		22.02	22.10	21.98		
50	128	0		25.25	25.28	25.26		
50	1	1	QPSK	25.84	25.85	25.77		
50	1	131		25.47	25.54	25.54		
50	64	32		25.71	25.76	25.73		
50	1	0		22.26	22.27	22.23		
50	1	132		22.04	22.07	22.10		
50	128	0		24.75	24.80	24.77		
50	1	1	16-QAM	24.75	24.95	24.78	23.41	0.2193
50	1	1	64-QAM	23.40	23.43	23.34		
50	1	1	256-QAM	21.31	21.24	21.20		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.83	25.86	25.88	24.34	0.2716
60	1	160		25.34	25.46	25.35		
60	81	40		25.75	25.83	25.70		
60	1	0		22.29	22.34	22.36		
60	1	161		21.85	22.05	21.86		
60	162	0		25.20	25.28	25.24		
60	1	1	QPSK	25.77	25.82	25.86		
60	1	160		25.40	25.52	25.44		
60	81	40		25.77	25.78	25.73		
60	1	0		22.42	22.36	22.33		
60	1	161		21.89	21.98	21.89		
60	162	0		24.74	24.73	24.74		
60	1	1	16-QAM	24.90	24.84	24.99	23.45	0.2213
60	1	1	64-QAM	23.37	23.45	23.40		
60	1	1	256-QAM	21.23	21.38	21.18		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.86	25.90	25.98	24.44	0.2780
70	1	187		25.34	25.49	25.52		
70	90	45		25.68	25.77	25.81		
70	1	0		22.42	22.34	22.41		
70	1	188		21.84	21.97	21.96		
70	180	0		25.22	25.34	25.32		
70	1	1	QPSK	25.79	25.93	25.98		
70	1	187		25.46	25.50	25.50		
70	90	45		25.76	25.78	25.78		
70	1	0		22.39	22.43	22.54		
70	1	188		21.87	22.01	21.98		
70	180	0		24.71	24.82	24.87		
70	1	1	16-QAM	24.76	25.03	25.09	23.55	0.2265
70	1	1	64-QAM	23.22	23.40	23.61		
70	1	1	256-QAM	21.30	21.27	21.30		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.97	25.90	25.98	24.44	0.2780
80	1	215		25.43	25.48	25.49		
80	108	54		25.77	25.81	25.83		
80	1	0		22.44	22.55	22.39		
80	1	216		21.94	21.98	22.01		
80	216	0		25.26	25.32	25.30		
80	1	1	QPSK	25.97	25.90	25.95		
80	1	215		25.44	25.41	25.51		
80	108	54		25.73	25.80	25.79		
80	1	0		22.40	22.45	22.52		
80	1	216		21.93	22.04	22.02		
80	216	0		24.77	24.80	24.81		
80	1	1	16-QAM	24.85	24.93	25.09	23.55	0.2265
80	1	1	64-QAM	23.38	23.44	23.54		
80	1	1	256-QAM	21.52	21.37	21.31		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.93	25.98	25.95	24.44	0.2780
90	1	243		25.39	25.56	25.56		
90	120	60		25.75	25.86	25.84		
90	1	0		22.38	22.46	22.50		
90	1	244		21.99	22.05	22.04		
90	243	0		25.23	25.32	25.37		
90	1	1	QPSK	25.90	25.98	25.86		
90	1	243		25.42	25.53	25.55		
90	120	60		25.76	25.85	25.82		
90	1	0		22.42	22.46	22.52		
90	1	244		22.00	22.04	22.04		
90	243	0		24.74	24.84	24.78		
90	1	1	16-QAM	24.97	25.01	25.00	23.47	0.2223
90	1	1	64-QAM	23.53	23.56	23.55		
90	1	1	256-QAM	21.30	21.24	21.30		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	26.02	-	24.48	0.2805
100	1	271		-	25.54	-		
100	135	67		-	25.82	-		
100	1	0		-	22.51	-		
100	1	272		-	22.02	-		
100	270	0		-	25.33	-		
100	1	1	QPSK	-	25.98	-		
100	1	271		-	25.44	-		
100	135	67		-	25.85	-		
100	1	0		-	22.43	-		
100	1	272		-	22.03	-		
100	270	0		-	24.84	-		
100	1	1	16-QAM	-	25.11	-	23.57	0.2275
100	1	1	64-QAM	-	23.55	-		
100	1	1	256-QAM	-	21.28	-		
Limit	EIRP < 1W			Result			Pass	

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	24.47	24.51	24.50	20.60	0.1148
5	1	23		24.49	24.55	24.55		
5	12	6		24.47	24.56	24.53		
5	1	0		23.84	23.90	24.07		
5	1	24		23.92	24.02	24.07		
5	25	0		24.05	24.08	24.06		
5	1	1	QPSK	24.50	24.56	24.54		
5	1	23		24.66	24.58	24.65		
5	12	6		24.44	24.55	24.57		
5	1	0		23.47	23.48	23.46		
5	1	24		23.54	23.48	23.58		
5	25	0		23.46	23.56	23.57		
5	1	1	16-QAM	23.28	23.37	23.51	19.45	0.0881
5	1	1	64-QAM	22.17	22.18	22.20		
5	1	1	256-QAM	19.47	19.38	19.45		
Limit	ERP < 100W			Result			Pass	

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	24.45	-	20.68	0.1169
10	1	50		-	24.70	-		
10	25	12		-	24.57	-		
10	1	0		-	23.92	-		
10	1	51		-	24.06	-		
10	50	0		-	24.04	-		
10	1	1	QPSK	-	24.50	-		
10	1	50		-	24.74	-		
10	25	12		-	24.59	-		
10	1	0		-	23.49	-		
10	1	51		-	23.60	-		
10	50	0		-	23.55	-		
10	1	1	16-QAM	-	23.33	-	19.27	0.0845
10	1	1	64-QAM	-	22.17	-		
10	1	1	256-QAM	-	19.43	-		
Limit	ERP < 100W			Result			Pass	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	-	24.49	-	20.58	0.1143
5	1	23		-	24.54	-		
5	12	6		-	24.58	-		
5	1	0		-	24.10	-		
5	1	24		-	24.07	-		
5	25	0		-	24.15	-		
5	1	1	QPSK	-	24.51	-		
5	1	23		-	24.64	-		
5	12	6		-	24.60	-		
5	1	0		-	23.48	-		
5	1	24		-	23.58	-		
5	25	0		-	23.60	-		
5	1	1	16-QAM	-	23.45	-	19.39	0.0869
5	1	1	64-QAM	-	22.24	-		
5	1	1	256-QAM	-	19.49	-		
Limit	Reporting only			Result			N/A	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	24.55	-	20.76	0.1191
10	1	50		-	24.68	-		
10	25	12		-	24.66	-		
10	1	0		-	24.06	-		
10	1	51		-	24.24	-		
10	50	0		-	24.17	-		
10	1	1	QPSK	-	24.57	-		
10	1	50		-	24.82	-		
10	25	12		-	24.70	-		
10	1	0		-	23.12	-		
10	1	51		-	23.76	-		
10	50	0		-	23.69	-		
10	1	1	16-QAM	-	23.52	-	19.46	0.0883
10	1	1	64-QAM	-	21.94	-		
10	1	1	256-QAM	-	19.58	-		
Limit	Reporting only			Result			N/A	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
15	1	1	PI/2 BPSK	-	24.48	-	20.74	0.1186
15	1	77		-	24.66	-		
15	36	18		-	24.58	-		
15	1	0		-	24.04	-		
15	1	78		-	24.18	-		
15	75	0		-	24.23	-		
15	1	1	QPSK	-	24.60	-		
15	1	77		-	24.80	-		
15	36	18		-	24.74	-		
15	1	0		-	23.24	-		
15	1	78		-	23.74	-		
15	75	0		-	23.69	-		
15	1	1	16-QAM	-	23.50	-	19.44	0.0879
15	1	1	64-QAM	-	21.87	-		
15	1	1	256-QAM	-	19.52	-		
Limit	Reporting only			Result			N/A	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -1.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
20	1	1	PI/2 BPSK	-	24.52	-	20.69	0.1172
20	1	104		-	24.71	-		
20	50	25		-	24.75	-		
20	1	0		-	23.96	-		
20	1	105		-	24.12	-		
20	100	0		-	24.27	-		
20	1	1	QPSK	-	24.57	-		
20	1	104		-	24.65	-		
20	50	25		-	24.70	-		
20	1	0		-	23.56	-		
20	1	105		-	23.68	-		
20	100	0		-	23.80	-		
20	1	1	16-QAM	-	23.42	-	19.36	0.0863
20	1	1	64-QAM	-	22.19	-		
20	1	1	256-QAM	-	19.45	-		
Limit	Reporting only			Result			N/A	

<MIMO Mode>

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.69	21.30	21.51	22.94	23.31	23.02	25.37	25.43	25.34	25.40	0.3467
10	1	22		21.91	21.32	21.67	23.03	23.26	23.06	25.52	25.41	25.43		
10	12	6		21.80	21.46	21.71	22.90	23.19	22.95	25.40	25.42	25.38		
10	1	0		19.67	19.32	19.54	21.05	21.22	21.05	23.42	23.38	23.37		
10	1	23		19.68	19.39	19.50	20.97	21.24	21.13	23.38	23.42	23.40		
10	24	0		20.26	19.91	20.15	21.50	21.67	21.46	23.93	23.89	23.86		
10	1	1	16-QAM	21.09	20.90	21.08	22.46	22.74	22.52	24.84	24.93	24.87	24.81	0.3027
10	1	1	64-QAM	19.61	19.29	19.46	21.02	21.35	21.15	23.38	23.45	23.40		
10	1	1	256-QAM	16.60	16.33	16.57	18.04	18.32	18.05	20.39	20.45	20.38		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	21.67	21.32	22.93	22.80	23.26	23.02	25.28	25.41	25.99	25.94	0.3926
15	1	36		21.81	21.42	23.09	23.11	23.33	23.01	25.52	25.49	26.06		
15	19	9		21.82	21.47	22.99	22.91	23.23	22.85	25.41	25.45	25.93		
15	1	0		19.61	19.49	20.98	20.99	21.26	21.00	23.36	23.47	24.00		
15	1	37		19.76	19.39	21.14	21.00	21.19	21.04	23.43	23.39	24.10		
15	38	0		20.29	19.98	21.63	21.43	21.79	21.31	23.91	23.99	24.48		
15	1	1	16-QAM	21.03	20.85	22.75	22.58	22.96	22.46	24.88	25.04	25.62	25.50	0.3548
15	1	1	64-QAM	19.57	19.34	21.08	20.99	21.34	21.08	23.35	23.46	24.09		
15	1	1	256-QAM	16.62	16.40	18.12	18.02	18.35	18.01	20.39	20.49	21.08		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	23.45	21.37	21.55	22.78	23.38	23.07	26.14	25.50	25.39	26.12	0.4093
20	1	49		23.42	21.37	21.73	23.03	23.28	22.98	26.24	25.44	25.41		
20	25	12		21.75	21.53	21.74	22.80	23.19	23.06	25.32	25.45	25.46		
20	1	0		21.46	19.38	19.61	21.00	21.36	20.95	24.25	23.49	23.34		
20	1	50		21.46	19.35	19.81	20.89	21.17	21.08	24.19	23.36	23.50		
20	51	0		21.90	19.97	20.22	21.38	21.74	21.51	24.66	23.95	23.92		
20	1	1	16-QAM	21.16	21.03	21.11	22.66	22.75	22.43	24.98	24.98	24.83	24.86	0.3062
20	1	1	64-QAM	19.62	19.40	19.57	21.14	21.49	21.02	23.46	23.58	23.37		
20	1	1	256-QAM	16.70	16.39	16.59	18.09	18.25	18.13	20.46	20.43	20.44		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	21.73	21.45	21.48	22.96	23.17	23.08	25.40	25.40	25.36	25.40	0.3467
30	1	76		21.86	21.51	21.64	22.96	23.03	23.09	25.46	25.35	25.44		
30	39	19		21.88	21.55	21.64	22.88	23.29	22.85	25.42	25.52	25.30		
30	1	0		19.73	19.57	19.55	20.99	21.14	21.01	23.42	23.44	23.35		
30	1	77		19.84	19.53	19.72	21.12	21.24	21.08	23.54	23.48	23.46		
30	78	0		20.33	20.03	20.19	21.38	21.76	21.58	23.90	23.99	23.95		
30	1	1	16-QAM	21.17	20.95	20.97	22.63	23.00	22.56	24.97	25.11	24.85	24.99	0.3155
30	1	1	64-QAM	19.68	19.46	19.45	21.05	21.30	21.10	23.43	23.49	23.36		
30	1	1	256-QAM	16.73	16.51	16.49	18.11	18.35	18.05	20.48	20.54	20.35		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	21.98	21.62	21.32	23.10	23.47	23.10	25.59	25.65	25.31	25.53	0.3573
40	1	104		22.02	21.61	21.68	23.19	23.36	23.29	25.65	25.58	25.57		
40	53	26		21.86	21.50	21.60	22.95	23.22	23.01	25.45	25.45	25.37		
40	1	0		19.84	19.67	19.40	21.10	21.45	21.09	23.53	23.66	23.34		
40	1	105		19.89	19.58	19.82	21.22	21.36	21.20	23.62	23.57	23.57		
40	106	0		20.28	20.05	20.08	21.47	21.78	21.49	23.93	24.01	23.85		
40	1	1	16-QAM	21.38	21.03	20.93	22.76	23.08	22.78	25.13	25.19	24.96	25.07	0.3214
40	1	1	64-QAM	19.90	19.59	19.32	21.19	21.39	21.20	23.60	23.59	23.37		
40	1	1	256-QAM	16.88	16.71	16.31	18.24	18.42	18.23	20.62	20.66	20.39		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.63	21.45	21.25	22.84	23.14	22.88	25.29	25.39	25.15	25.33	0.3412
50	1	131		21.62	21.37	21.46	22.83	23.30	22.89	25.28	25.45	25.24		
50	67	33		21.68	21.31	21.35	22.80	23.03	22.67	25.29	25.26	25.07		
50	1	0		19.57	19.47	19.06	20.69	21.12	20.84	23.18	23.38	23.05		
50	1	132		19.52	19.26	19.49	20.73	20.98	20.89	23.18	23.21	23.26		
50	133	0		20.13	19.85	19.90	21.35	21.59	21.40	23.79	23.82	23.72		
50	1	1	16-QAM	21.01	20.93	20.52	22.43	22.72	22.47	24.79	24.93	24.61	24.81	0.3027
50	1	1	64-QAM	19.48	19.27	19.17	20.94	21.24	20.97	23.28	23.38	23.17		
50	1	1	256-QAM	16.50	16.44	16.14	17.91	18.12	17.97	20.27	20.37	20.16		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.50	21.33	21.26	22.59	22.91	23.28	25.09	25.20	25.40	25.59	0.3622
60	1	160		21.50	21.13	21.47	22.87	23.06	23.65	25.25	25.21	25.71		
60	81	40		21.63	21.34	21.47	22.77	23.04	23.51	25.25	25.28	25.62		
60	1	0		19.42	19.37	19.27	20.73	20.90	21.48	23.13	23.21	23.52		
60	1	161		19.54	19.24	19.38	20.75	21.17	21.46	23.20	23.32	23.55		
60	162	0		20.13	19.85	19.96	21.25	21.52	21.87	23.74	23.78	24.03		
60	1	1	16-QAM	20.94	20.81	20.80	22.59	22.51	23.04	24.85	24.75	25.07	24.95	0.3126
60	1	1	64-QAM	19.40	19.45	19.09	20.79	20.93	21.43	23.16	23.26	23.43		
60	1	1	256-QAM	16.49	16.43	16.20	17.91	18.01	18.38	20.27	20.30	20.44		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	21.42	21.51	21.26	22.83	23.18	23.54	25.19	25.44	25.56	25.60	0.3631
70	1	187		21.75	21.16	21.34	22.72	23.26	23.75	25.27	25.35	25.72		
70	95	47		21.69	21.36	21.51	22.78	23.02	23.45	25.28	25.28	25.60		
70	1	0		19.67	19.42	19.43	20.76	20.80	21.34	23.26	23.17	23.50		
70	1	188		19.76	19.15	19.51	20.72	21.18	21.38	23.28	23.29	23.56		
70	189	0		20.14	19.93	20.01	21.33	21.50	22.04	23.79	23.80	24.15		
70	1	1	16-QAM	20.90	20.77	20.90	22.74	22.57	22.78	24.93	24.77	24.95	24.83	0.3041
70	1	1	64-QAM	19.45	19.34	19.28	20.93	21.03	21.53	23.26	23.28	23.56		
70	1	1	256-QAM	16.60	16.37	16.28	17.80	18.10	18.38	20.25	20.33	20.47		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	21.74	21.35	21.08	22.98	22.94	23.29	25.41	25.23	25.33	25.47	0.3524
80	1	215		21.69	21.17	21.35	22.78	22.94	23.54	25.28	25.15	25.59		
80	109	54		21.73	21.39	21.51	22.89	23.03	23.44	25.36	25.30	25.59		
80	1	0		19.61	19.41	18.95	20.79	20.91	21.52	23.25	23.23	23.43		
80	1	216		19.59	19.14	19.57	20.81	21.11	21.44	23.25	23.25	23.62		
80	217	0		20.10	19.86	19.93	21.36	21.52	21.90	23.79	23.78	24.04		
80	1	1	16-QAM	21.12	20.68	20.68	22.19	22.59	23.15	24.70	24.75	25.10	24.98	0.3148
80	1	1	64-QAM	19.65	19.23	19.13	20.68	21.14	21.49	23.21	23.30	23.48		
80	1	1	256-QAM	16.42	16.43	16.09	17.91	17.94	18.31	20.24	20.26	20.35		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	21.69	21.36	21.13	22.67	22.78	23.17	25.22	25.14	25.28	25.56	0.3597
90	1	243		22.23	21.29	21.48	23.06	23.14	23.51	25.68	25.32	25.62		
90	123	61		21.82	21.28	21.37	22.95	23.08	23.40	25.43	25.28	25.51		
90	1	0		19.57	19.30	19.04	20.76	20.95	21.15	23.22	23.21	23.23		
90	1	244		19.86	19.27	19.39	20.89	21.34	21.53	23.42	23.44	23.60		
90	245	0		20.23	19.85	19.92	21.38	21.43	21.78	23.85	23.72	23.96		
90	1	1	16-QAM	21.01	20.79	20.50	22.63	22.82	23.11	24.91	24.93	25.01	24.89	0.3083
90	1	1	64-QAM	19.48	19.42	18.96	20.85	20.96	21.33	23.23	23.27	23.32		
90	1	1	256-QAM	16.61	16.28	16.17	17.79	17.94	18.30	20.25	20.20	20.37		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = -0.12 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	21.57	21.39	20.94	22.88	22.95	23.35	25.28	25.25	25.32	25.48	0.3532
100	1	271		21.79	21.25	21.50	22.83	23.30	23.46	25.35	25.41	25.60		
100	137	68		21.72	21.32	21.39	22.91	23.01	23.34	25.37	25.26	25.48		
100	1	0		19.60	19.46	19.02	20.79	20.88	21.17	23.25	23.24	23.24		
100	1	272		19.82	19.26	19.57	20.97	21.24	21.55	23.44	23.37	23.68		
100	273	0		20.25	19.85	19.93	21.39	21.51	21.92	23.87	23.77	24.05		
100	1	1	16-QAM	20.84	20.98	20.43	22.45	22.70	22.66	24.73	24.93	24.70	24.81	0.3027
100	1	1	64-QAM	19.42	19.33	19.04	20.86	20.96	21.14	23.21	23.23	23.23		
100	1	1	256-QAM	16.51	16.39	15.99	17.96	18.01	18.11	20.31	20.29	20.19		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	22.43	22.50	22.47	22.02	21.90	22.11	25.24	25.22	25.30	23.76	0.2377
10	1	22		22.52	22.41	22.48	21.91	22.00	22.03	25.24	25.22	25.27		
10	12	6		22.58	22.53	22.44	21.92	21.98	22.04	25.27	25.27	25.25		
10	1	0		20.44	20.52	20.32	19.97	20.13	20.08	23.22	23.34	23.21		
10	1	23		20.38	20.46	20.40	20.00	19.97	20.00	23.20	23.23	23.21		
10	24	0		21.03	20.92	20.90	20.40	20.56	20.57	23.74	23.75	23.75		
10	1	1	16-QAM	21.91	21.82	21.84	21.65	21.66	21.63	24.79	24.75	24.75	23.25	0.2113
10	1	1	64-QAM	20.31	20.23	20.33	20.05	20.08	20.29	23.19	23.17	23.32		
10	1	1	256-QAM	17.44	17.37	17.35	17.00	17.05	17.11	20.24	20.22	20.24		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	22.68	22.38	22.23	21.98	22.14	22.10	25.35	25.27	25.18	23.81	0.2404
15	1	36		22.49	22.53	22.44	22.14	22.13	22.03	25.33	25.34	25.25		
15	19	9		22.51	22.54	22.34	21.98	22.02	21.94	25.26	25.30	25.15		
15	1	0		20.42	20.41	20.36	19.84	19.99	20.03	23.15	23.22	23.21		
15	1	37		20.51	20.48	20.42	20.05	20.12	20.08	23.30	23.31	23.26		
15	38	0		21.01	21.02	20.85	20.44	20.55	20.52	23.74	23.80	23.70		
15	1	1	16-QAM	21.95	21.94	21.73	21.58	21.70	21.71	24.78	24.83	24.73	23.29	0.2133
15	1	1	64-QAM	20.36	20.40	20.18	20.09	20.20	20.12	23.24	23.31	23.16		
15	1	1	256-QAM	17.50	17.51	17.30	17.02	17.06	17.07	20.28	20.30	20.20		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	22.44	22.39	22.38	21.92	22.05	22.08	25.20	25.23	25.24	23.74	0.2366
20	1	49		22.47	22.53	22.32	22.05	21.99	22.02	25.28	25.28	25.18		
20	25	12		22.62	22.46	22.44	21.88	21.97	22.01	25.28	25.23	25.24		
20	1	0		20.52	20.45	20.40	19.95	19.92	20.09	23.25	23.20	23.26		
20	1	50		20.52	20.56	20.50	20.01	20.17	20.09	23.28	23.38	23.31		
20	51	0		21.08	21.07	20.88	20.44	20.53	20.55	23.78	23.82	23.73		
20	1	1	16-QAM	21.97	21.94	21.83	21.67	21.66	21.79	24.83	24.81	24.82	23.29	0.2133
20	1	1	64-QAM	20.41	20.36	20.22	20.15	20.07	20.22	23.29	23.23	23.23		
20	1	1	256-QAM	17.56	17.40	17.30	17.01	17.00	17.08	20.30	20.21	20.20		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	22.62	22.48	22.29	21.92	21.96	21.88	25.29	25.24	25.10	23.78	0.2388
30	1	76		22.47	22.51	22.44	22.05	22.09	21.98	25.28	25.32	25.23		
30	39	19		22.58	22.46	22.34	21.90	21.90	22.01	25.26	25.20	25.19		
30	1	0		20.54	20.61	20.33	20.02	19.98	20.17	23.30	23.32	23.26		
30	1	77		20.57	20.47	20.38	19.98	20.13	20.02	23.30	23.31	23.21		
30	78	0		21.11	20.96	20.83	20.38	20.54	20.51	23.77	23.77	23.68		
30	1	1	16-QAM	22.06	21.94	21.85	21.72	21.77	21.76	24.90	24.87	24.82	23.36	0.2168
30	1	1	64-QAM	20.49	20.37	20.25	20.11	20.14	20.14	23.31	23.27	23.21		
30	1	1	256-QAM	17.62	17.48	17.36	17.08	17.10	17.07	20.37	20.30	20.23		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	22.82	22.86	22.44	22.15	22.21	21.98	25.51	25.56	25.23	24.02	0.2523
40	1	104		22.48	22.71	22.50	22.05	22.26	22.12	25.28	25.50	25.32		
40	53	26		22.51	22.48	22.42	21.83	21.98	22.03	25.19	25.25	25.24		
40	1	0		20.64	20.71	20.45	20.06	20.20	20.05	23.37	23.47	23.26		
40	1	105		20.41	20.58	20.40	20.15	20.21	20.14	23.29	23.41	23.28		
40	106	0		21.09	21.10	20.91	20.38	20.55	20.58	23.76	23.84	23.76		
40	1	1	16-QAM	22.07	22.08	21.87	21.86	21.77	21.91	24.98	24.94	24.90	23.44	0.2208
40	1	1	64-QAM	20.55	20.49	20.37	20.15	20.33	20.16	23.36	23.42	23.28		
40	1	1	256-QAM	17.57	17.59	17.40	17.12	17.15	17.18	20.36	20.39	20.30		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	22.26	22.53	22.04	21.65	21.82	21.87	24.98	25.20	24.97	23.66	0.2323
50	1	131		22.08	22.29	22.17	21.81	21.97	21.76	24.96	25.14	24.98		
50	67	33		22.39	22.34	22.27	21.71	21.84	21.84	25.07	25.11	25.07		
50	1	0		20.24	20.42	20.17	19.72	19.77	19.80	23.00	23.12	23.00		
50	1	132		20.17	20.25	20.13	19.92	19.81	19.94	23.06	23.05	23.05		
50	133	0		20.80	20.91	20.68	20.30	20.29	20.26	23.57	23.62	23.49		
50	1	1	16-QAM	21.70	21.77	21.65	21.45	21.36	21.49	24.59	24.58	24.58	23.05	0.2018
50	1	1	64-QAM	20.21	20.28	20.08	19.82	20.15	19.87	23.03	23.23	22.99		
50	1	1	256-QAM	17.30	17.37	17.15	16.79	16.84	16.77	20.06	20.12	19.97		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	22.26	22.34	22.18	21.48	21.57	21.60	24.90	24.98	24.91	23.64	0.2312
60	1	160		22.12	22.22	22.16	21.76	22.12	21.87	24.95	25.18	25.03		
60	81	40		22.29	22.35	22.31	21.77	21.83	21.83	25.05	25.11	25.09		
60	1	0		20.21	20.24	20.11	19.50	19.69	19.73	22.88	22.98	22.93		
60	1	161		20.26	20.27	20.28	19.83	20.06	19.90	23.06	23.18	23.10		
60	162	0		20.81	20.81	20.78	20.22	20.29	20.36	23.54	23.57	23.59		
60	1	1	16-QAM	21.59	21.84	21.56	21.39	21.30	21.50	24.50	24.59	24.54	23.05	0.2018
60	1	1	64-QAM	20.01	20.29	20.16	19.71	19.86	19.79	22.87	23.09	22.99		
60	1	1	256-QAM	17.21	17.18	17.10	16.65	16.70	16.81	19.95	19.96	19.97		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	22.23	22.28	22.27	21.95	21.73	21.88	25.10	25.02	25.09	23.73	0.2360
70	1	187		22.27	22.44	22.50	22.07	21.89	22.01	25.18	25.18	25.27		
70	95	47		22.33	22.39	22.39	21.88	21.79	21.85	25.12	25.11	25.14		
70	1	0		20.31	20.65	20.17	19.75	20.15	19.86	23.05	23.42	23.03		
70	1	188		20.15	20.11	20.27	19.81	19.93	19.88	22.99	23.03	23.09		
70	189	0		20.86	20.81	20.80	20.32	20.34	20.42	23.61	23.59	23.62		
70	1	1	16-QAM	21.74	21.87	21.64	21.45	21.41	21.64	24.61	24.66	24.65	23.12	0.2051
70	1	1	64-QAM	20.36	20.26	20.18	19.89	19.84	19.93	23.14	23.07	23.07		
70	1	1	256-QAM	17.21	17.36	17.28	16.63	16.79	16.83	19.94	20.09	20.07		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	22.43	22.29	22.49	21.86	21.53	21.76	25.16	24.94	25.15	23.64	0.2312
80	1	215		22.21	22.44	22.29	21.78	21.89	21.79	25.01	25.18	25.06		
80	109	54		22.40	22.39	22.39	21.85	21.89	21.83	25.14	25.16	25.13		
80	1	0		20.26	20.22	20.16	19.69	19.82	19.69	22.99	23.03	22.94		
80	1	216		20.05	20.32	20.36	19.95	19.98	19.91	23.01	23.16	23.15		
80	217	0		20.81	20.84	20.75	20.31	20.25	20.39	23.58	23.57	23.58		
80	1	1	16-QAM	21.64	21.88	21.67	21.41	21.42	21.49	24.54	24.67	24.59	23.13	0.2056
80	1	1	64-QAM	20.15	20.42	20.18	19.87	19.89	19.83	23.02	23.17	23.02		
80	1	1	256-QAM	17.20	17.12	17.28	16.66	16.79	16.65	19.95	19.97	19.99		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	22.39	22.41	22.09	21.48	21.81	21.74	24.97	25.13	24.93	23.81	0.2404
90	1	243		22.25	22.57	22.49	21.91	22.09	22.08	25.09	25.35	25.30		
90	123	61		22.44	22.32	22.34	21.86	21.89	21.82	25.17	25.12	25.10		
90	1	0		20.13	20.22	20.12	19.66	19.78	19.70	22.91	23.02	22.93		
90	1	244		20.48	20.37	20.34	20.06	20.05	19.95	23.29	23.22	23.16		
90	245	0		20.90	20.85	20.85	20.33	20.30	20.29	23.63	23.59	23.59		
90	1	1	16-QAM	21.97	21.63	21.75	21.33	21.38	21.43	24.67	24.52	24.60	23.13	0.2056
90	1	1	64-QAM	20.14	20.43	20.22	19.77	19.89	19.79	22.97	23.18	23.02		
90	1	1	256-QAM	17.16	17.28	17.06	16.72	16.97	16.77	19.96	20.14	19.93		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = -1.54 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	21.89	-	-	21.88	-	-	24.90	-	23.62	0.2301
100	1	271		-	22.13	-	-	22.17	-	-	25.16	-		
100	137	68		-	21.78	-	-	21.86	-	-	24.83	-		
100	1	0		-	19.85	-	-	19.73	-	-	22.80	-		
100	1	272		-	20.05	-	-	20.17	-	-	23.12	-		
100	273	0		-	20.30	-	-	20.37	-	-	23.35	-		
100	1	1	16-QAM	-	21.38	-	-	21.28	-	-	24.34	-	22.80	0.1905
100	1	1	64-QAM	-	19.88	-	-	19.85	-	-	22.88	-		
100	1	1	256-QAM	-	16.75	-	-	16.77	-	-	19.77	-		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.49	21.62	21.54	22.93	23.15	23.15	25.28	25.46	25.43	25.50	0.3548
10	1	22		21.44	21.51	21.42	23.03	23.08	23.14	25.32	25.38	25.37		
10	12	6		21.52	21.54	21.51	22.87	23.03	23.12	25.26	25.36	25.40		
10	1	0		19.48	19.59	19.56	21.09	21.23	21.23	23.37	23.50	23.49		
10	1	23		19.43	19.56	19.49	21.05	21.07	21.18	23.33	23.39	23.43		
10	24	0		20.03	20.07	20.11	21.41	21.52	21.67	23.78	23.87	23.97		
10	1	1	16-QAM	20.79	20.93	21.01	22.43	22.62	22.77	24.70	24.87	24.99	25.03	0.3184
10	1	1	64-QAM	19.38	19.47	19.34	21.08	21.29	21.20	23.32	23.48	23.38		
10	1	1	256-QAM	16.49	16.43	16.58	18.13	18.25	18.33	20.40	20.44	20.55		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	21.53	21.46	21.66	23.05	23.13	23.29	25.37	25.39	25.56	25.60	0.3631
15	1	36		21.52	21.47	21.52	22.87	23.15	23.18	25.26	25.40	25.44		
15	19	9		21.54	21.56	21.56	22.98	23.04	23.19	25.33	25.37	25.46		
15	1	0		19.64	19.65	19.59	21.11	21.22	21.32	23.45	23.52	23.55		
15	1	37		19.46	19.55	19.46	21.04	21.08	21.29	23.33	23.39	23.48		
15	38	0		20.11	20.20	20.11	21.54	21.65	21.73	23.89	24.00	24.01		
15	1	1	16-QAM	21.01	21.01	21.05	22.66	22.92	22.89	24.92	25.08	25.08	25.12	0.3251
15	1	1	64-QAM	19.41	19.51	19.66	21.17	21.32	21.42	23.39	23.52	23.64		
15	1	1	256-QAM	16.57	16.55	16.64	18.19	18.43	18.47	20.47	20.60	20.66		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	21.45	21.42	21.64	22.95	23.09	23.18	25.27	25.35	25.49	25.54	0.3581
20	1	49		21.53	21.56	21.50	23.00	23.10	23.15	25.34	25.41	25.41		
20	25	12		21.62	21.64	21.67	22.97	23.03	23.18	25.36	25.40	25.50		
20	1	0		19.52	19.58	19.67	21.14	21.16	21.24	23.42	23.45	23.54		
20	1	50		19.52	19.57	19.48	21.04	21.14	21.24	23.36	23.44	23.46		
20	51	0		20.08	20.13	20.17	21.52	21.60	21.67	23.87	23.94	23.99		
20	1	1	16-QAM	20.98	21.03	21.03	22.69	22.91	22.85	24.93	25.08	25.04	25.12	0.3251
20	1	1	64-QAM	19.46	19.51	19.48	21.12	21.25	21.29	23.38	23.48	23.49		
20	1	1	256-QAM	16.49	16.51	16.63	18.24	18.36	18.36	20.46	20.54	20.59		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	21.58	21.79	21.78	23.26	23.47	23.41	25.51	25.72	25.68	25.76	0.3767
30	1	76		21.59	21.66	21.53	23.10	22.99	23.07	25.42	25.39	25.38		
30	39	19		21.53	21.60	21.77	22.94	23.08	23.20	25.30	25.41	25.55		
30	1	0		19.67	19.71	19.79	21.26	21.43	21.39	23.55	23.66	23.67		
30	1	77		19.48	19.79	19.60	21.19	21.15	21.21	23.43	23.53	23.49		
30	78	0		20.06	20.13	20.23	21.62	21.70	21.71	23.92	24.00	24.04		
30	1	1	16-QAM	21.10	21.07	21.23	22.65	22.92	22.92	24.95	25.10	25.17	25.21	0.3319
30	1	1	64-QAM	19.65	19.73	19.75	21.34	21.39	21.35	23.59	23.65	23.63		
30	1	1	256-QAM	16.59	16.63	16.90	18.34	18.53	18.38	20.56	20.69	20.71		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	21.87	21.67	22.12	23.14	23.26	23.80	25.56	25.55	26.05	26.09	0.4064
40	1	104		21.76	21.77	21.45	23.28	23.26	23.35	25.60	25.59	25.51		
40	53	26		21.56	21.67	21.75	22.96	23.12	23.19	25.33	25.47	25.54		
40	1	0		19.67	19.83	19.80	21.19	21.41	21.46	23.51	23.70	23.72		
40	1	105		19.51	19.82	19.67	21.18	21.10	21.24	23.44	23.52	23.54		
40	106	0		20.09	20.16	20.20	21.50	21.63	21.76	23.86	23.97	24.06		
40	1	1	16-QAM	21.13	21.19	21.19	22.95	22.86	22.83	25.14	25.12	25.10	25.18	0.3296
40	1	1	64-QAM	19.74	19.69	19.79	21.32	21.50	21.52	23.61	23.70	23.75		
40	1	1	256-QAM	16.62	16.86	16.87	18.37	18.49	18.49	20.59	20.76	20.77		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.45	21.45	21.66	23.02	23.00	23.34	25.32	25.30	25.59	25.63	0.3656
50	1	131		21.21	21.25	21.26	22.80	22.91	22.85	25.09	25.17	25.14		
50	67	33		21.27	21.40	21.45	22.79	22.89	22.88	25.11	25.22	25.23		
50	1	0		19.38	19.48	19.51	21.12	21.12	21.18	23.35	23.39	23.44		
50	1	132		19.15	19.24	19.27	20.86	20.89	20.93	23.10	23.15	23.19		
50	133	0		19.85	20.02	20.00	21.40	21.37	21.39	23.70	23.76	23.76		
50	1	1	16-QAM	20.98	21.01	20.99	22.43	22.63	22.62	24.78	24.91	24.89	24.95	0.3126
50	1	1	64-QAM	19.36	19.44	19.38	21.16	21.20	21.25	23.36	23.42	23.43		
50	1	1	256-QAM	16.49	16.56	16.49	18.09	18.19	18.23	20.37	20.46	20.46		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.37	21.37	21.66	23.16	23.15	23.36	25.37	25.36	25.60	25.64	0.3664
60	1	160		21.18	21.46	21.12	22.77	22.98	22.88	25.06	25.30	25.10		
60	81	40		21.47	21.44	21.47	22.94	22.95	22.86	25.28	25.27	25.23		
60	1	0		19.45	19.48	19.63	21.00	21.09	21.29	23.30	23.37	23.55		
60	1	161		19.08	19.20	19.29	20.74	20.89	20.91	23.00	23.14	23.19		
60	162	0		19.89	20.02	20.00	21.39	21.36	21.52	23.71	23.75	23.84		
60	1	1	16-QAM	20.92	20.99	21.07	22.56	22.72	22.59	24.83	24.95	24.91	24.99	0.3155
60	1	1	64-QAM	19.41	19.31	19.50	20.99	21.11	21.14	23.28	23.31	23.41		
60	1	1	256-QAM	16.57	16.48	16.58	18.07	18.20	18.28	20.39	20.43	20.52		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	21.46	21.44	21.57	23.03	23.10	23.29	25.33	25.36	25.52	25.56	0.3597
70	1	187		21.24	21.25	21.31	22.76	22.74	22.68	25.08	25.07	25.06		
70	95	47		21.36	21.51	21.49	22.81	22.85	22.97	25.16	25.24	25.30		
70	1	0		19.44	19.50	19.65	20.97	21.08	21.07	23.28	23.37	23.43		
70	1	188		19.15	19.44	19.61	20.70	20.71	20.83	23.00	23.13	23.27		
70	189	0		19.81	19.97	19.97	21.32	21.41	21.50	23.64	23.76	23.81		
70	1	1	16-QAM	21.09	20.92	21.02	22.39	22.76	22.66	24.80	24.95	24.93	24.99	0.3155
70	1	1	64-QAM	19.64	19.74	19.51	20.90	21.12	21.04	23.33	23.49	23.35		
70	1	1	256-QAM	16.60	16.42	16.59	18.09	18.10	18.51	20.42	20.35	20.67		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	21.58	21.61	22.01	22.96	22.94	23.14	25.33	25.34	25.62	25.66	0.3681
80	1	215		21.26	21.57	21.24	22.62	22.85	22.61	25.00	25.27	24.99		
80	109	54		21.46	21.56	21.57	22.90	22.89	22.94	25.25	25.29	25.32		
80	1	0		19.45	19.93	19.75	21.14	21.19	21.04	23.39	23.62	23.45		
80	1	216		19.29	19.23	19.21	20.80	20.90	20.77	23.12	23.16	23.07		
80	217	0		19.91	19.97	20.04	21.33	21.32	21.42	23.69	23.71	23.79		
80	1	1	16-QAM	21.03	20.92	21.05	22.70	22.57	22.56	24.96	24.83	24.88	25.00	0.3162
80	1	1	64-QAM	19.61	19.65	19.49	21.16	21.26	21.42	23.46	23.54	23.57		
80	1	1	256-QAM	16.66	16.63	16.60	18.36	18.06	18.05	20.60	20.41	20.40		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	21.60	21.74	21.69	22.99	22.99	23.14	25.36	25.42	25.49	25.53	0.3573
90	1	243		21.27	21.23	21.37	22.72	23.00	22.78	25.07	25.21	25.14		
90	123	61		21.41	21.52	21.62	22.81	22.87	23.05	25.18	25.26	25.40		
90	1	0		19.67	19.70	19.54	21.15	21.14	21.16	23.48	23.49	23.44		
90	1	244		19.30	19.22	19.40	20.81	20.80	20.88	23.13	23.09	23.21		
90	245	0		19.98	19.93	20.07	21.33	21.40	21.51	23.72	23.74	23.86		
90	1	1	16-QAM	20.96	21.02	21.00	22.65	22.71	22.64	24.90	24.96	24.91	25.00	0.3162
90	1	1	64-QAM	19.55	19.59	19.54	21.15	21.21	21.23	23.43	23.49	23.48		
90	1	1	256-QAM	16.56	16.53	16.55	18.27	18.18	18.32	20.51	20.44	20.53		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	21.48	-	-	23.28	-	-	25.48	-	25.52	0.3565
100	1	271		-	21.62	-	-	22.84	-	-	25.28	-		
100	137	68		-	21.43	-	-	22.93	-	-	25.25	-		
100	1	0		-	19.65	-	-	21.19	-	-	23.50	-		
100	1	272		-	19.44	-	-	20.98	-	-	23.29	-		
100	273	0		-	20.04	-	-	21.37	-	-	23.77	-		
100	1	1	16-QAM	-	20.99	-	-	22.87	-	-	25.04	-	25.08	0.3221
100	1	1	64-QAM	-	19.67	-	-	21.35	-	-	23.60	-		
100	1	1	256-QAM	-	16.74	-	-	18.17	-	-	20.52	-		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	22.82	22.94	23.08	22.51	22.66	22.50	25.68	25.81	25.81	25.85	0.3846
10	1	22		22.66	22.93	23.10	22.50	22.48	22.28	25.59	25.72	25.72		
10	12	6		22.74	22.98	23.21	22.46	22.34	22.31	25.61	25.68	25.79		
10	1	0		20.72	21.04	21.06	20.54	20.67	20.45	23.64	23.87	23.78		
10	1	23		20.73	20.98	21.10	20.42	20.55	20.38	23.59	23.78	23.77		
10	24	0		21.29	21.39	21.65	20.99	21.01	20.85	24.15	24.21	24.28		
10	1	1	16-QAM	22.22	22.36	22.52	22.13	22.31	22.14	25.19	25.35	25.34	25.39	0.3459
10	1	1	64-QAM	20.61	20.97	20.98	20.67	20.70	20.49	23.65	23.85	23.75		
10	1	1	256-QAM	17.76	17.95	18.12	17.71	17.74	17.56	20.75	20.86	20.86		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	22.68	23.06	23.25	22.66	22.65	22.58	25.68	25.87	25.94	25.98	0.3963
15	1	36		22.69	23.16	23.12	22.65	22.54	22.55	25.68	25.87	25.85		
15	19	9		22.79	22.94	23.20	22.56	22.56	22.49	25.69	25.76	25.87		
15	1	0		20.77	20.91	21.14	20.58	20.61	20.76	23.69	23.77	23.96		
15	1	37		20.75	20.96	21.12	20.54	20.44	20.55	23.66	23.72	23.85		
15	38	0		21.35	21.54	21.69	21.07	21.05	21.06	24.22	24.31	24.40		
15	1	1	16-QAM	22.16	22.39	22.58	22.23	22.22	22.28	25.21	25.32	25.44	25.48	0.3532
15	1	1	64-QAM	20.76	20.98	21.12	20.73	20.79	20.68	23.76	23.90	23.92		
15	1	1	256-QAM	17.80	17.91	18.20	17.53	17.73	17.58	20.68	20.83	20.91		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	22.79	22.94	23.03	22.59	22.73	22.46	25.70	25.85	25.76	25.92	0.3908
20	1	49		22.76	22.92	23.05	22.40	22.45	22.46	25.59	25.70	25.78		
20	25	12		22.85	23.03	23.26	22.54	22.60	22.43	25.71	25.83	25.88		
20	1	0		20.80	20.93	21.14	20.48	20.63	20.58	23.65	23.79	23.88		
20	1	50		20.77	20.94	21.10	20.49	20.57	20.48	23.64	23.77	23.81		
20	51	0		21.33	21.51	21.74	21.02	21.06	20.97	24.19	24.30	24.38		
20	1	1	16-QAM	22.25	22.28	22.54	22.37	22.45	22.17	25.32	25.38	25.37	25.42	0.3483
20	1	1	64-QAM	20.83	20.97	21.09	20.64	20.86	20.65	23.75	23.93	23.89		
20	1	1	256-QAM	17.83	17.82	18.14	17.74	17.79	17.67	20.80	20.82	20.92		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	22.84	23.01	23.20	22.61	22.74	22.77	25.74	25.89	26.00	26.04	0.4018
30	1	76		22.71	22.98	23.15	22.46	22.52	22.47	25.60	25.77	25.83		
30	39	19		22.72	23.00	23.15	22.51	22.57	22.50	25.63	25.80	25.85		
30	1	0		20.85	21.01	21.23	20.62	20.75	20.76	23.75	23.89	24.01		
30	1	77		20.85	20.98	21.13	20.54	20.50	20.57	23.71	23.76	23.87		
30	78	0		21.30	21.50	21.69	20.99	21.12	21.01	24.16	24.32	24.37		
30	1	1	16-QAM	22.25	22.41	22.72	22.32	22.42	22.26	25.30	25.43	25.51	25.55	0.3589
30	1	1	64-QAM	20.71	20.92	21.15	20.76	20.92	20.75	23.75	23.93	23.96		
30	1	1	256-QAM	17.80	18.00	18.27	17.86	17.93	17.80	20.84	20.98	21.05		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	22.93	23.05	23.09	22.75	22.87	22.80	25.85	25.97	25.96	26.03	0.4009
40	1	104		22.88	23.19	23.18	22.70	22.75	22.52	25.80	25.99	25.87		
40	53	26		22.81	23.00	23.13	22.55	22.59	22.51	25.69	25.81	25.84		
40	1	0		20.97	21.12	21.22	20.77	20.94	20.77	23.88	24.04	24.01		
40	1	105		20.87	21.10	21.05	20.63	20.62	20.63	23.76	23.88	23.86		
40	106	0		21.33	21.52	21.58	21.10	21.14	21.12	24.23	24.34	24.37		
40	1	1	16-QAM	22.32	22.42	22.61	22.49	22.49	22.52	25.42	25.47	25.58	25.62	0.3648
40	1	1	64-QAM	20.89	20.99	21.16	20.89	21.08	20.82	23.90	24.05	24.00		
40	1	1	256-QAM	17.98	18.05	18.40	17.91	17.89	17.82	20.96	20.98	21.13		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	22.63	22.85	22.68	22.38	22.54	22.46	25.52	25.71	25.58	25.75	0.3758
50	1	131		22.49	22.71	22.72	22.29	22.30	22.17	25.40	25.52	25.46		
50	67	33		22.63	22.74	22.93	22.32	22.39	22.35	25.49	25.58	25.66		
50	1	0		20.72	20.79	20.73	20.30	20.51	20.44	23.53	23.66	23.60		
50	1	132		20.47	20.92	20.73	20.07	20.16	20.25	23.28	23.57	23.51		
50	133	0		21.13	21.34	21.43	20.86	20.91	20.71	24.01	24.14	24.10		
50	1	1	16-QAM	22.03	22.08	22.27	22.10	22.20	22.12	25.08	25.15	25.21	25.25	0.3350
50	1	1	64-QAM	20.54	20.86	20.67	20.64	20.60	20.60	23.60	23.74	23.65		
50	1	1	256-QAM	17.58	17.66	17.78	17.47	17.49	17.51	20.54	20.59	20.66		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	22.67	22.84	23.03	22.47	22.56	22.52	25.58	25.71	25.79	25.83	0.3828
60	1	160		22.43	22.63	22.62	22.12	22.23	22.20	25.29	25.44	25.43		
60	81	40		22.63	22.78	22.89	22.36	22.37	22.34	25.51	25.59	25.63		
60	1	0		20.67	20.86	20.90	20.43	20.50	20.57	23.56	23.69	23.75		
60	1	161		20.46	20.71	20.71	20.20	20.21	20.28	23.34	23.48	23.51		
60	162	0		21.14	21.29	21.37	20.88	20.83	20.81	24.02	24.08	24.11		
60	1	1	16-QAM	22.08	22.23	22.23	22.24	22.04	22.35	25.17	25.15	25.30	25.34	0.3420
60	1	1	64-QAM	20.61	20.59	20.75	20.63	20.78	20.76	23.63	23.70	23.77		
60	1	1	256-QAM	17.67	17.79	17.90	17.55	17.55	17.62	20.62	20.68	20.77		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	22.46	22.90	22.96	22.52	22.53	22.73	25.50	25.73	25.86	25.90	0.3890
70	1	187		22.61	23.19	22.81	22.02	22.29	22.12	25.34	25.77	25.49		
70	95	47		22.65	22.80	22.95	22.33	22.38	22.33	25.50	25.61	25.66		
70	1	0		20.94	20.86	20.94	20.45	20.55	20.80	23.71	23.72	23.88		
70	1	188		20.43	20.71	21.03	20.00	20.24	20.14	23.23	23.49	23.62		
70	189	0		21.20	21.34	21.48	20.86	20.92	20.88	24.04	24.15	24.20		
70	1	1	16-QAM	22.07	22.13	22.49	22.21	22.29	22.16	25.15	25.22	25.34	25.38	0.3451
70	1	1	64-QAM	20.60	21.16	20.79	20.68	20.78	20.75	23.65	23.98	23.78		
70	1	1	256-QAM	17.69	17.85	17.94	17.84	17.68	17.69	20.78	20.78	20.83		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	23.08	22.69	22.89	22.53	22.87	22.68	25.82	25.79	25.80	25.86	0.3855
80	1	215		22.73	23.14	22.54	22.11	22.13	22.09	25.44	25.67	25.33		
80	109	54		22.72	22.79	22.86	22.31	22.50	22.35	25.53	25.66	25.62		
80	1	0		20.70	20.91	20.78	20.64	20.58	20.56	23.68	23.76	23.68		
80	1	216		20.76	20.81	20.81	20.22	20.38	20.06	23.51	23.61	23.46		
80	217	0		21.33	21.31	21.40	20.83	20.90	20.90	24.10	24.12	24.17		
80	1	1	16-QAM	22.28	22.31	22.18	22.28	22.38	22.21	25.29	25.36	25.21	25.40	0.3467
80	1	1	64-QAM	20.71	20.97	20.72	20.67	20.68	20.76	23.70	23.84	23.75		
80	1	1	256-QAM	17.85	17.90	17.71	17.50	17.59	17.74	20.69	20.76	20.74		
Limit	EIRP < 1W			Result									Pass	

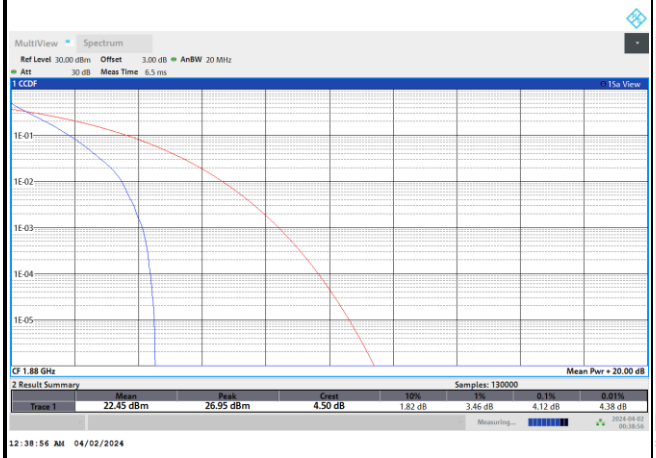
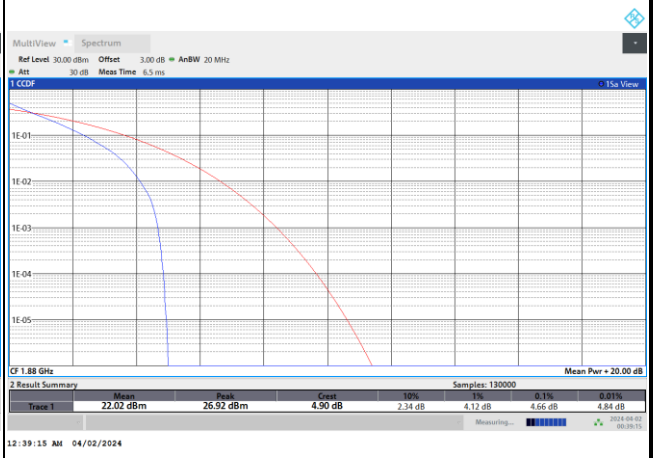
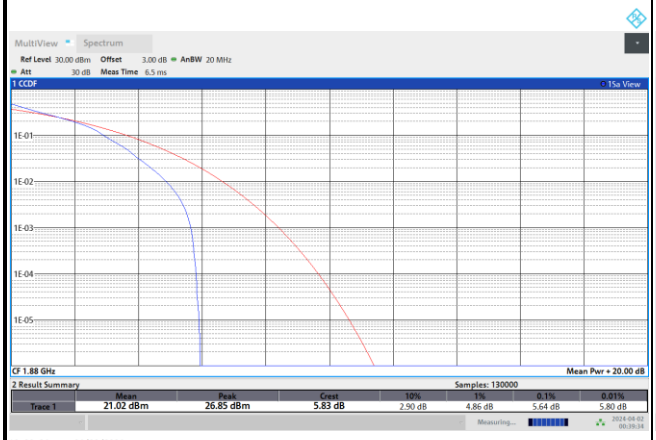
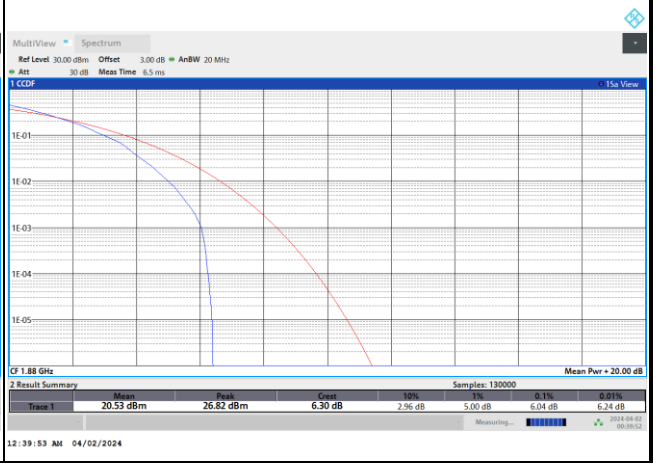
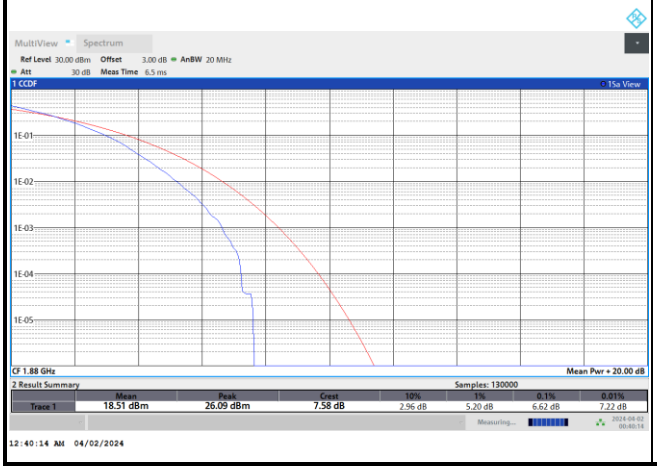
Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	22.59	22.92	22.90	22.82	22.43	22.46	25.72	25.69	25.70	25.81	0.3811
90	1	243		22.78	22.81	22.72	22.16	22.24	22.16	25.49	25.54	25.46		
90	123	61		22.73	22.75	22.98	22.32	22.43	22.52	25.54	25.60	25.77		
90	1	0		20.74	20.98	21.00	20.63	20.57	20.64	23.70	23.79	23.83		
90	1	244		20.65	20.92	20.73	19.90	20.10	20.24	23.30	23.54	23.50		
90	245	0		21.36	21.38	21.36	20.85	20.87	20.96	24.12	24.14	24.17		
90	1	1	16-QAM	22.27	22.38	22.18	22.20	22.28	22.41	25.25	25.34	25.31	25.38	0.3451
90	1	1	64-QAM	20.64	20.75	20.77	20.67	20.73	20.79	23.67	23.75	23.79		
90	1	1	256-QAM	17.89	17.90	17.64	17.53	17.52	17.76	20.72	20.72	20.71		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 0.04 dBi														
BW	RB	RB	Mod	Antenna 8			Antenna 9			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	22.75	-	-	22.71	-	-	25.74	-	25.78	0.3784
100	1	271		-	22.69	-	-	22.29	-	-	25.50	-		
100	137	68		-	22.84	-	-	22.37	-	-	25.62	-		
100	1	0		-	21.00	-	-	20.63	-	-	23.83	-		
100	1	272		-	20.94	-	-	20.16	-	-	23.58	-		
100	273	0		-	21.37	-	-	20.89	-	-	24.15	-		
100	1	1	16-QAM	-	22.26	-	-	22.27	-	-	25.28	-	25.32	0.3404
100	1	1	64-QAM	-	20.71	-	-	20.78	-	-	23.76	-		
100	1	1	256-QAM	-	17.74	-	-	17.81	-	-	20.79	-		
Limit	EIRP < 1W			Result									Pass	

FR1 n2

Peak-to-Average Ratio

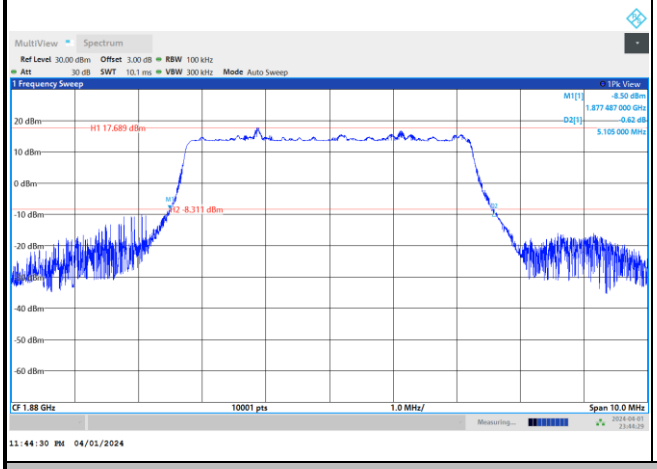
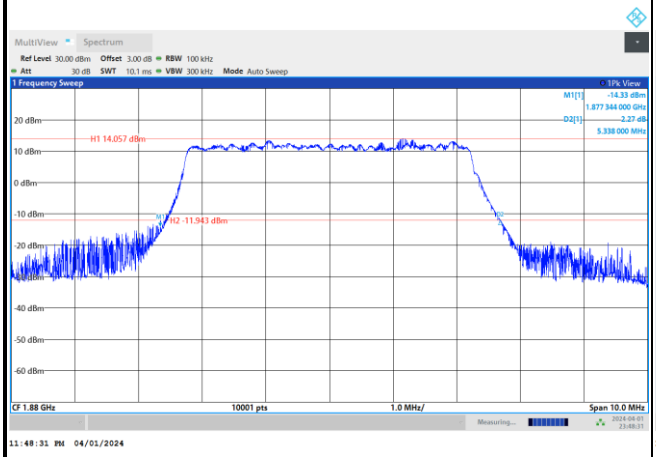
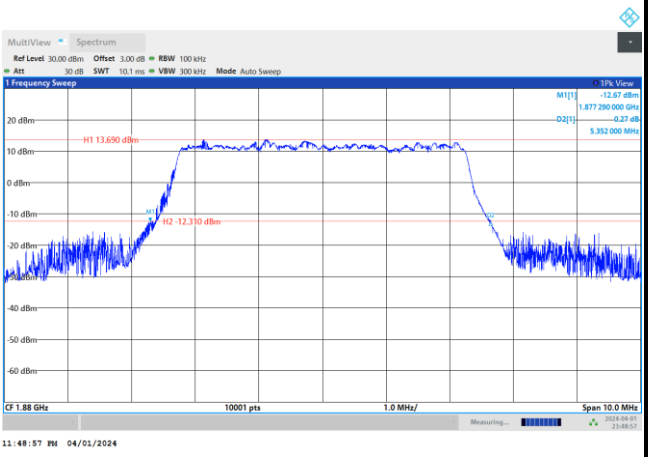
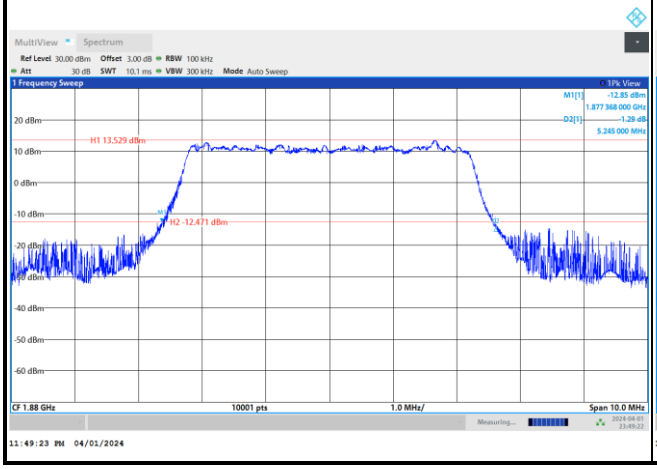
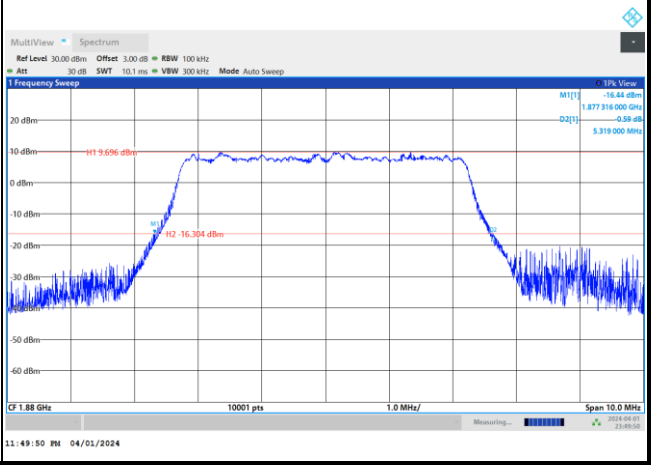
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.12	4.66	5.64	6.04	PASS
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.62				PASS

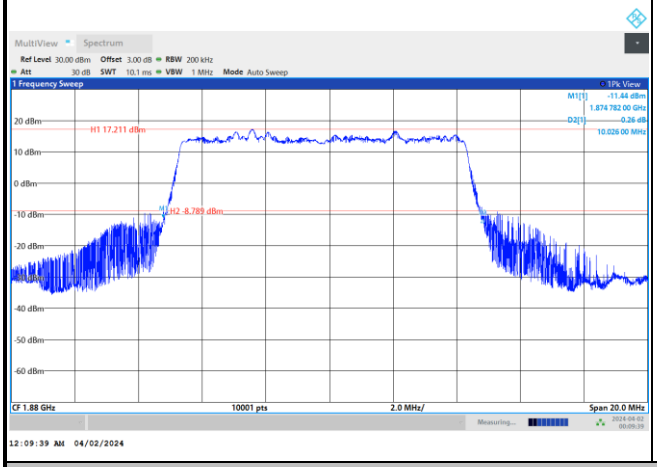
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

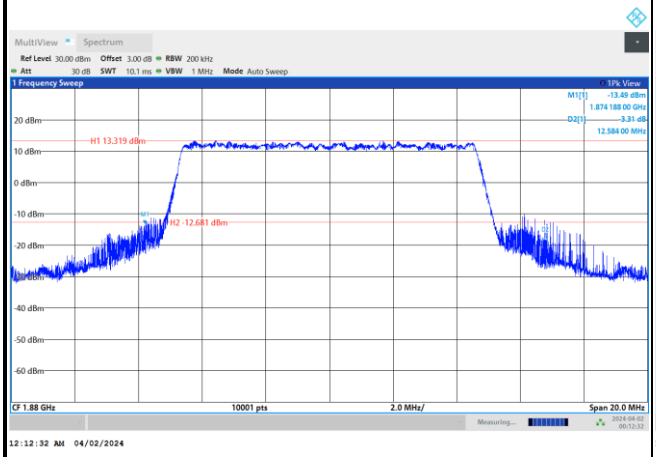
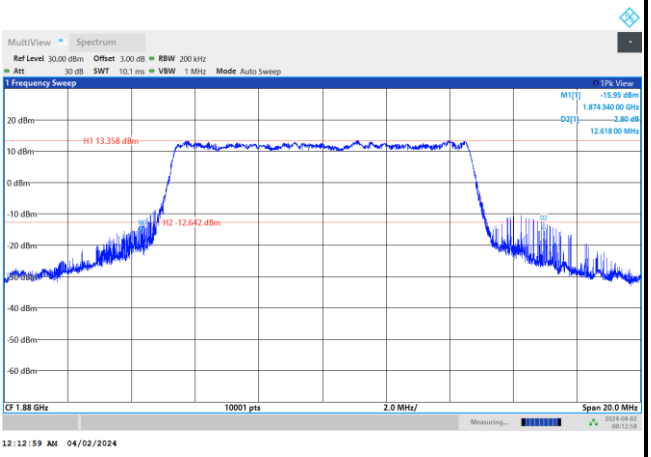
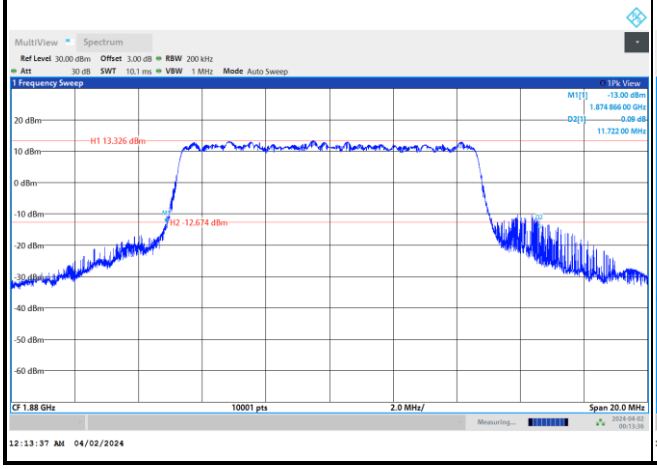
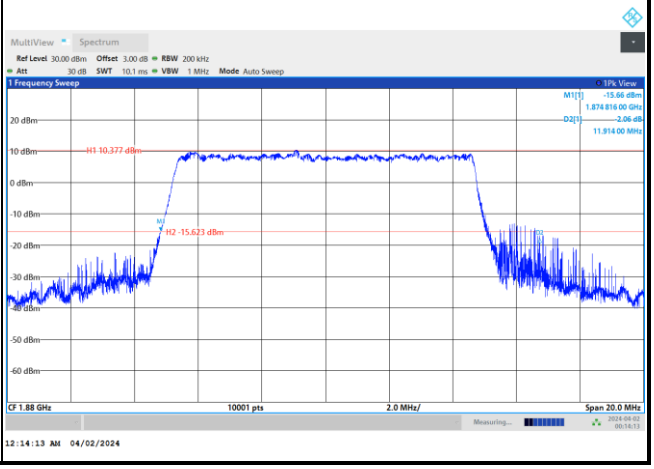
26dB Bandwidth

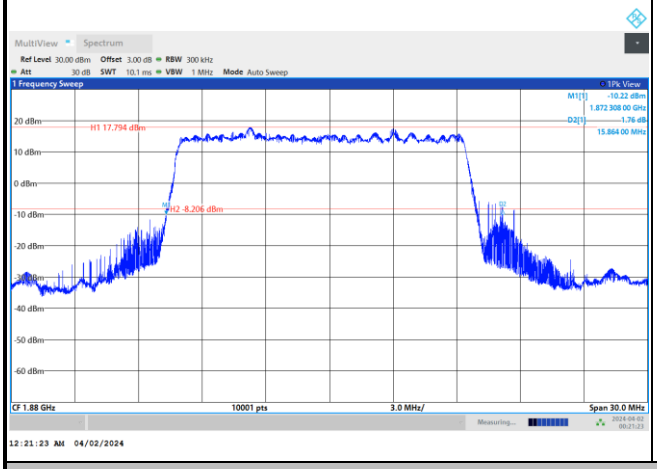
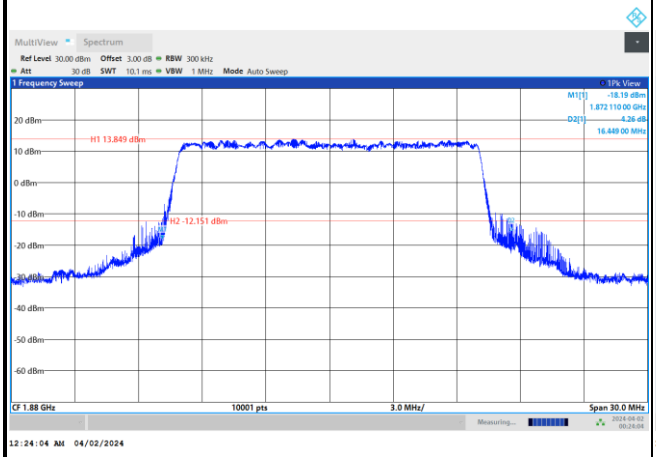
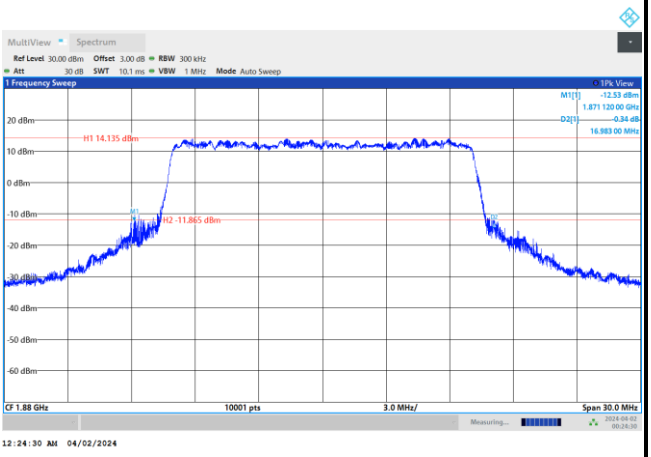
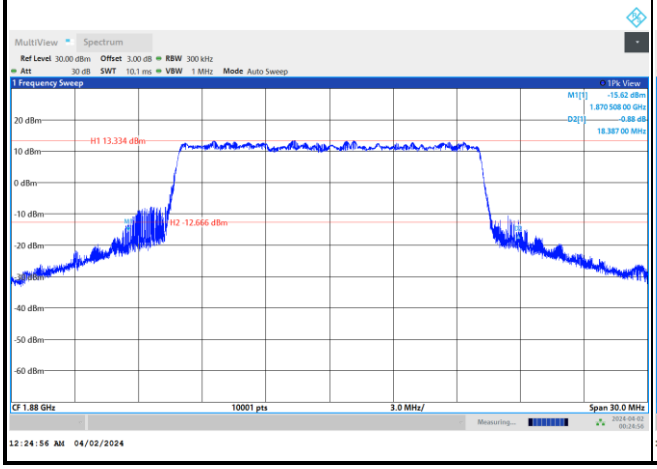
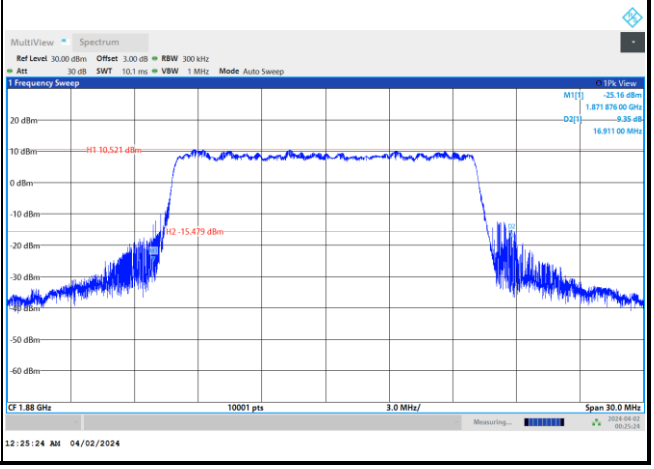
Mode	FR1 n2 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.10		10.03		15.86		21.04	

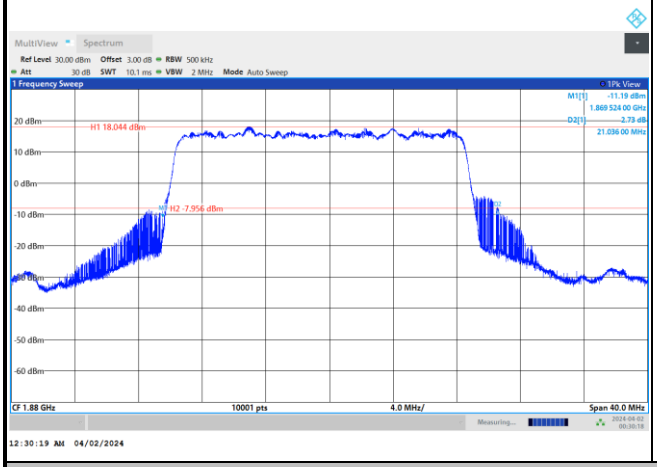
Mode	FR1 n2 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.34	5.35	12.58	12.62	16.45	16.98	21.81	21.76
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.24	5.32	11.72	11.91	18.39	16.91	22.69	23.11

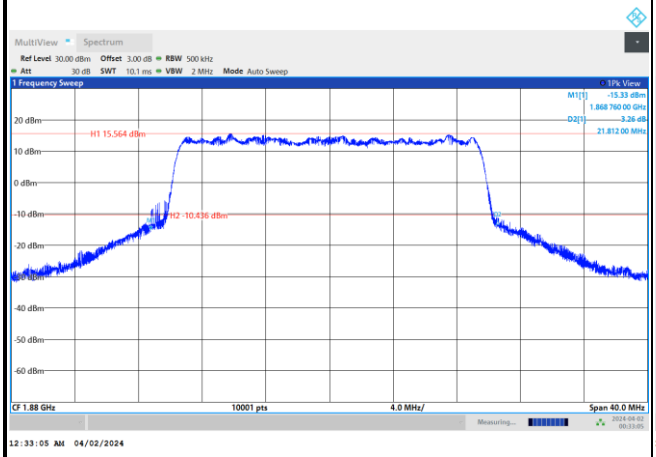
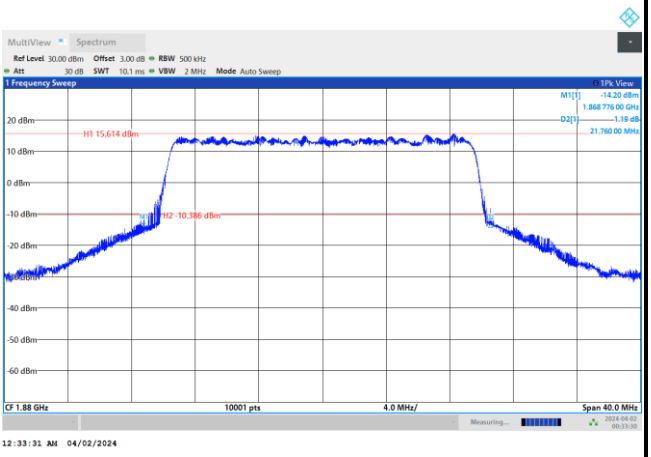
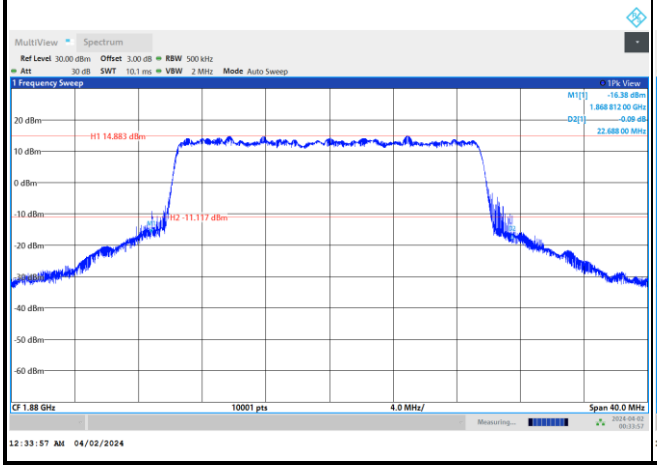
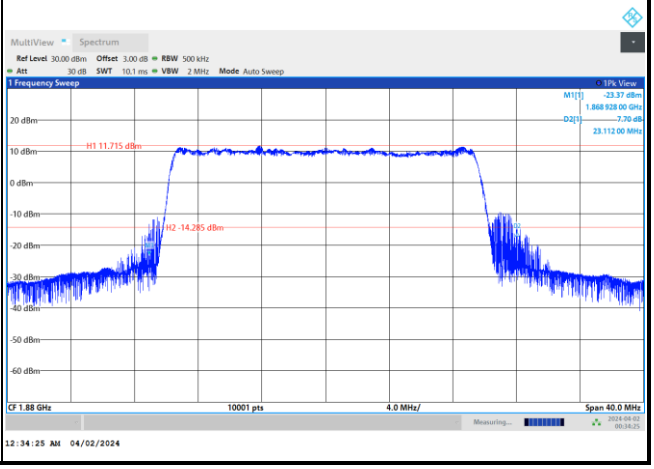
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

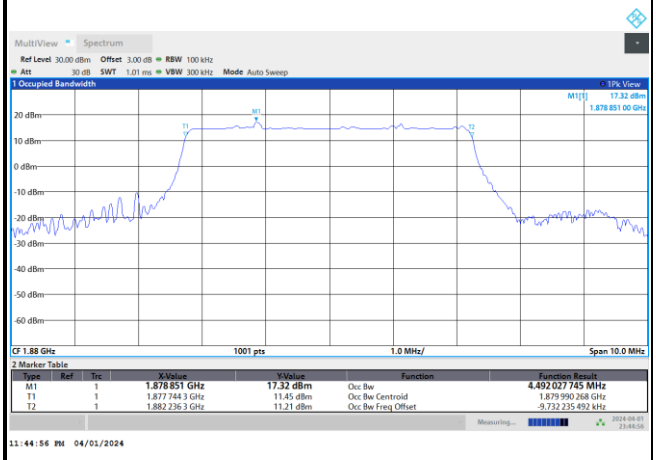
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

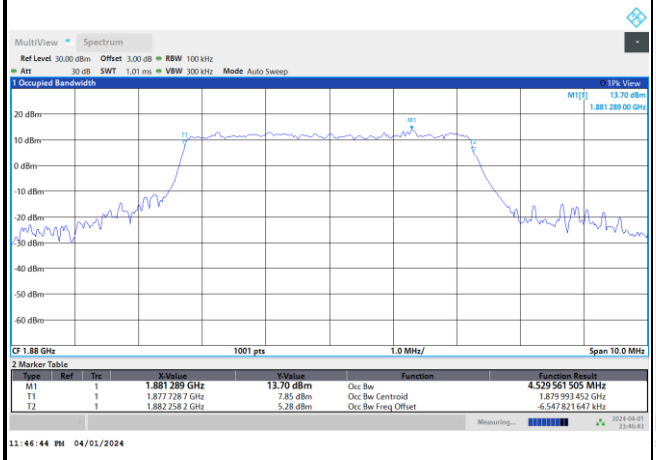
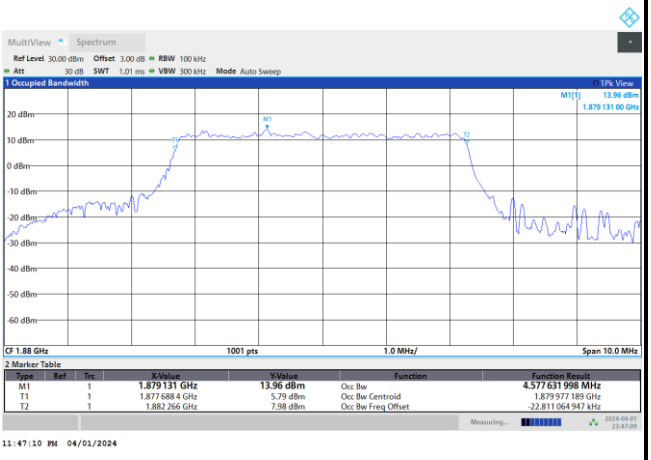
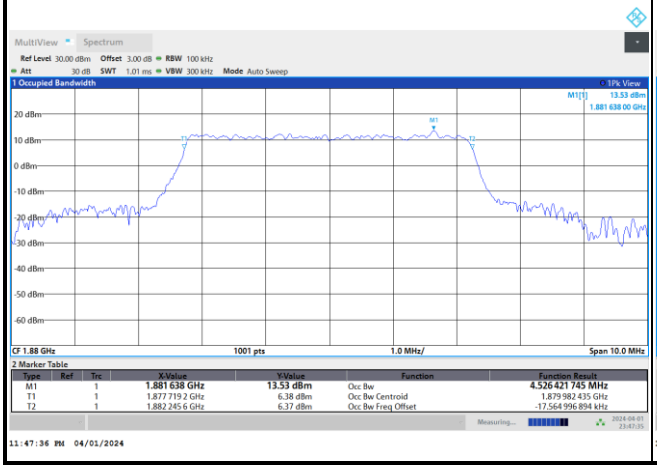
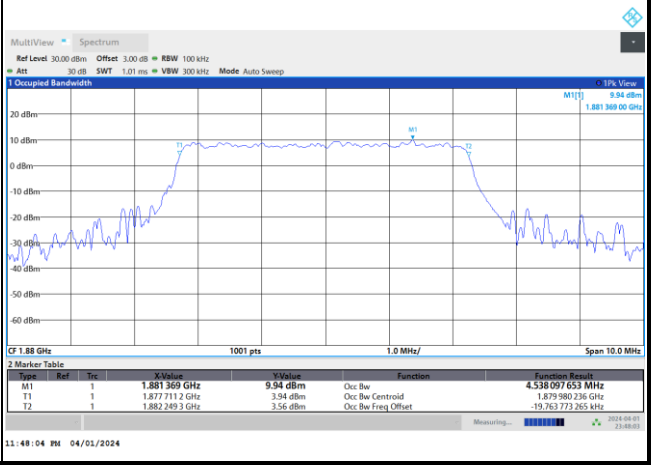
FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

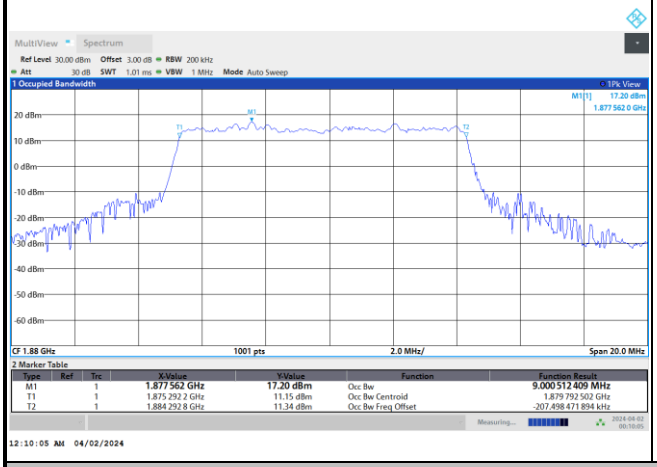
Occupied Bandwidth

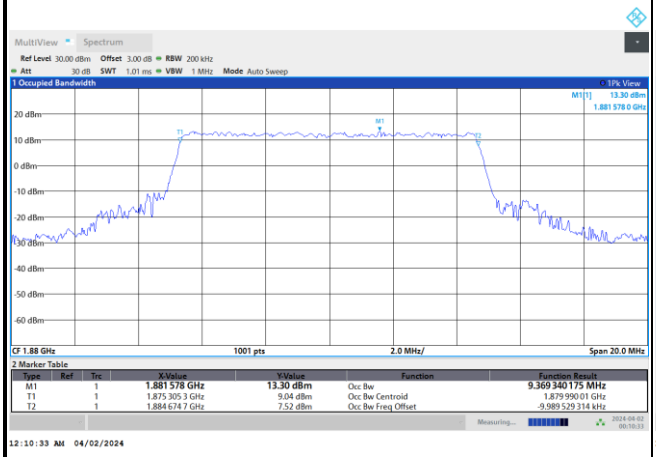
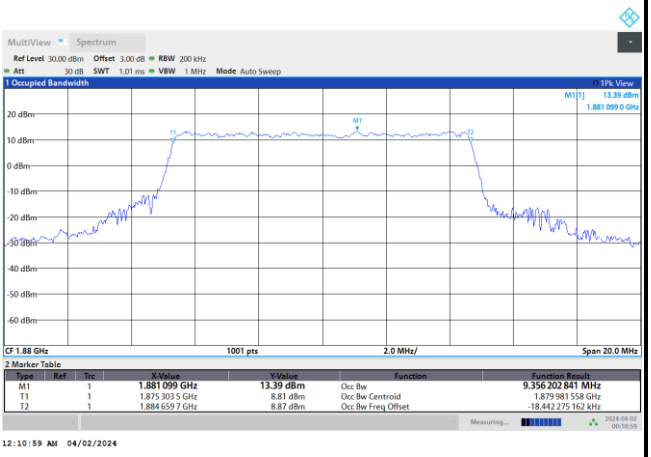
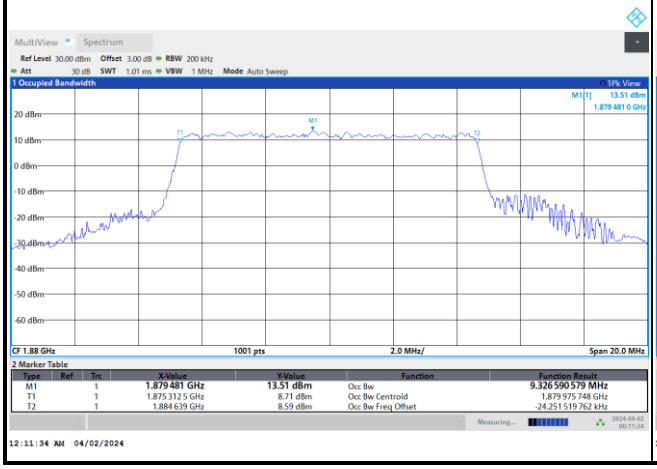
Mode	FR1 n2 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		9.00		13.52		18.04	

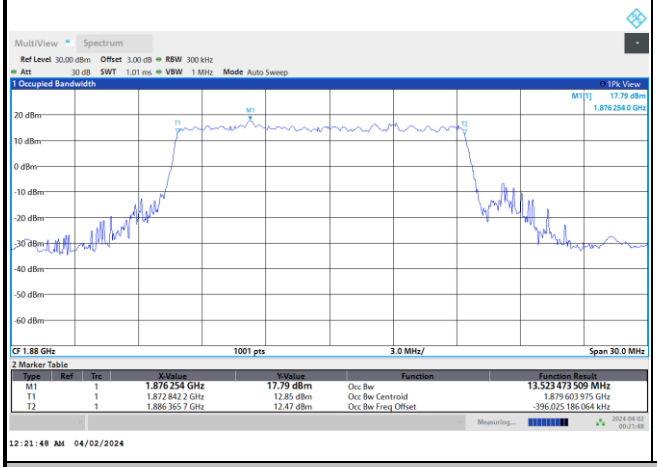
Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.52	4.57	9.36	9.35	14.17	14.19	19.00	19.09
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.53	9.32	9.37	14.21	14.15	19.07	19.16

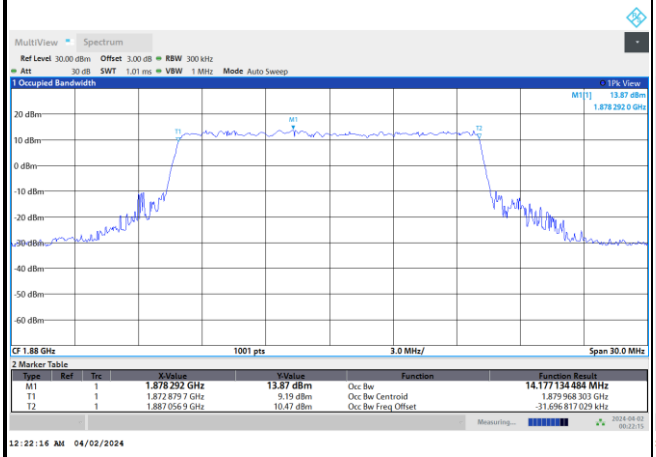
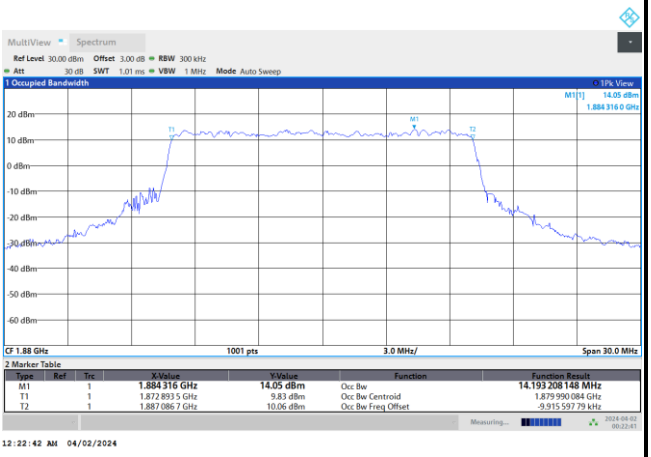
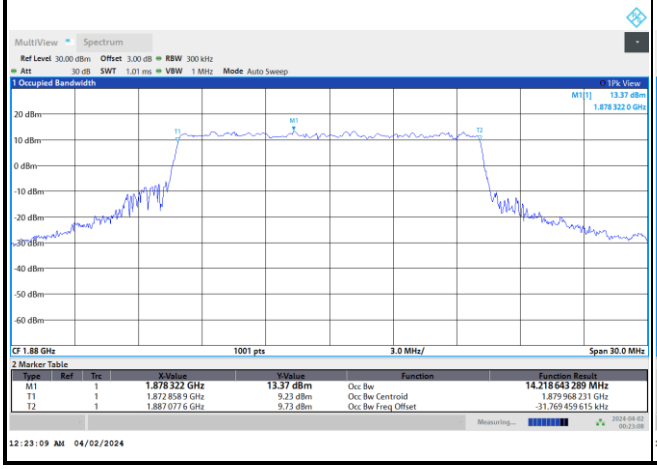
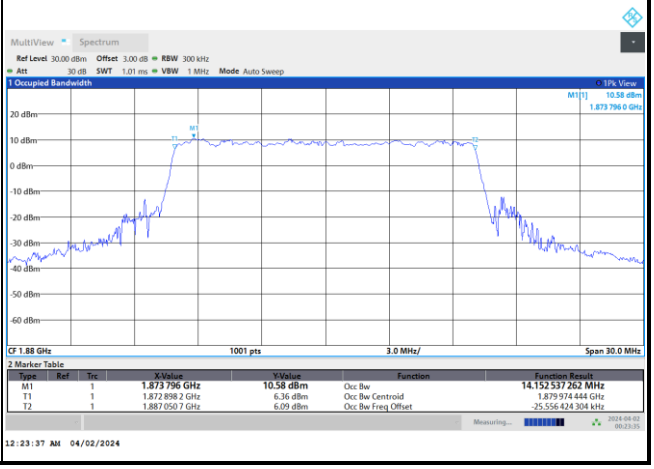
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

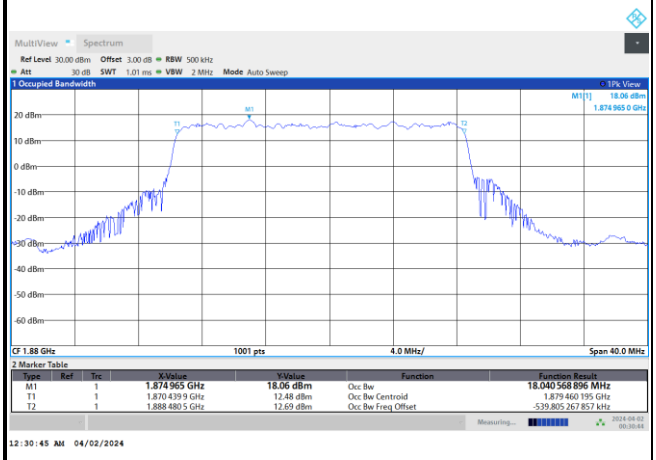
FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

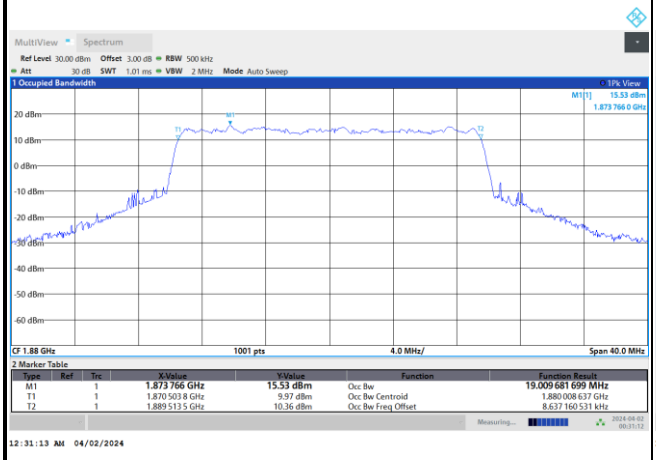
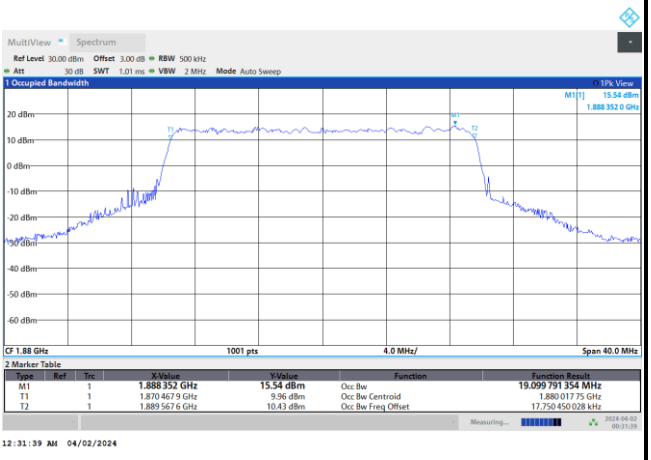
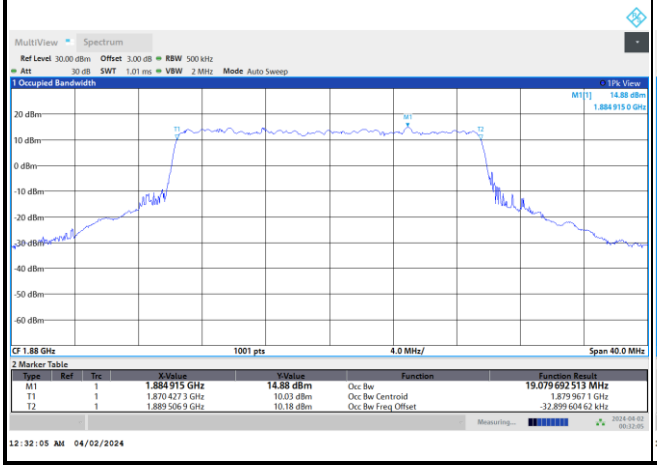
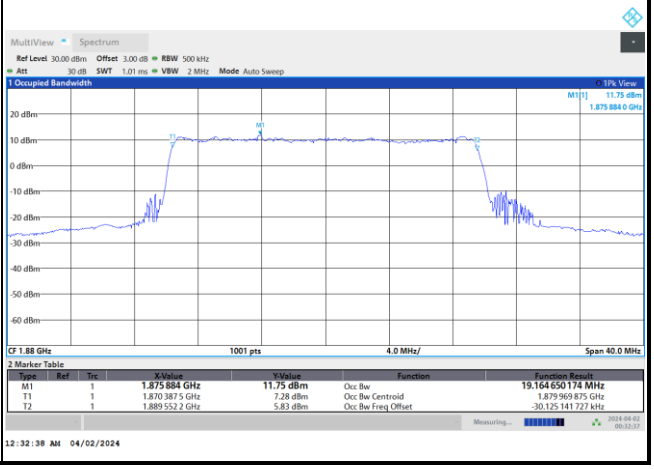
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

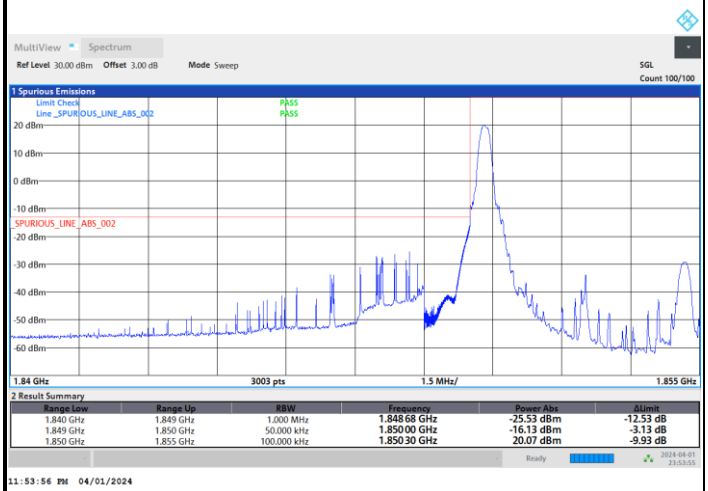
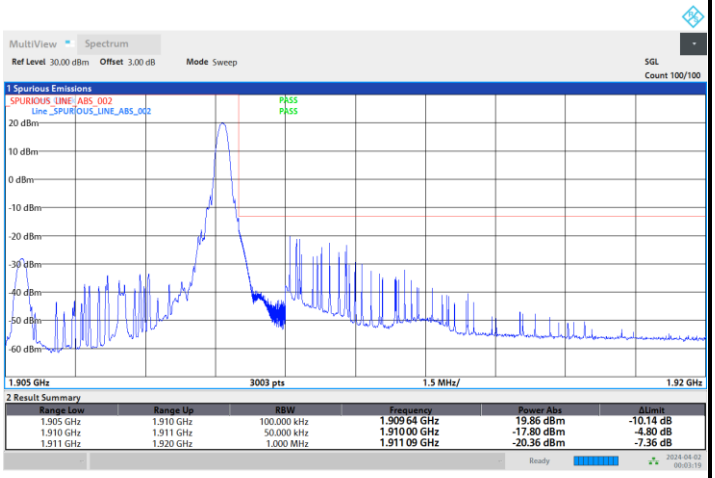
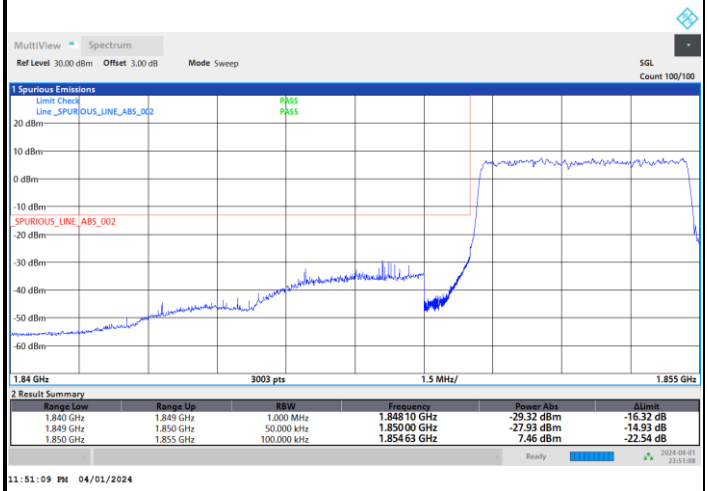
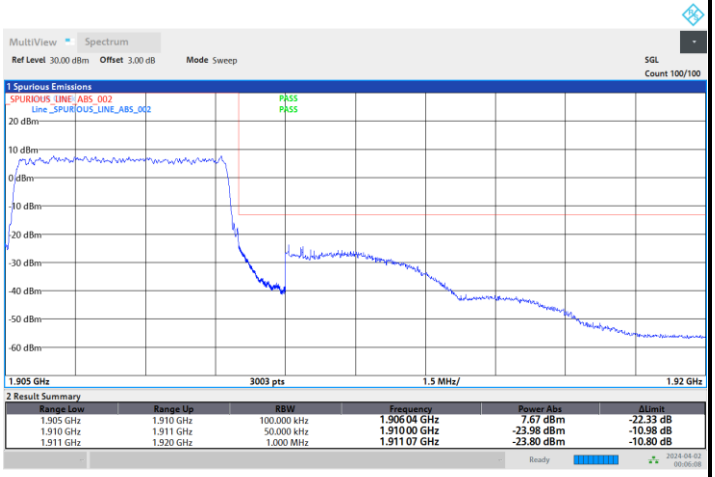
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

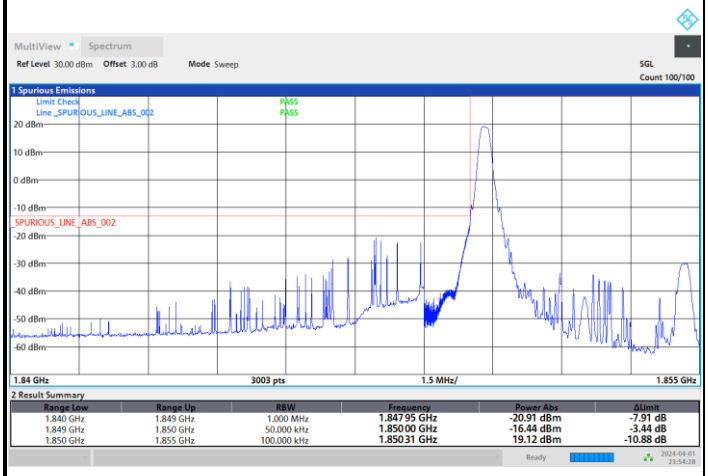
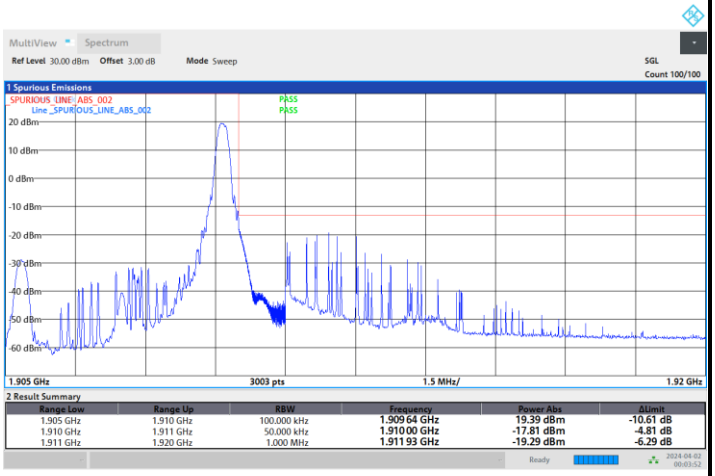
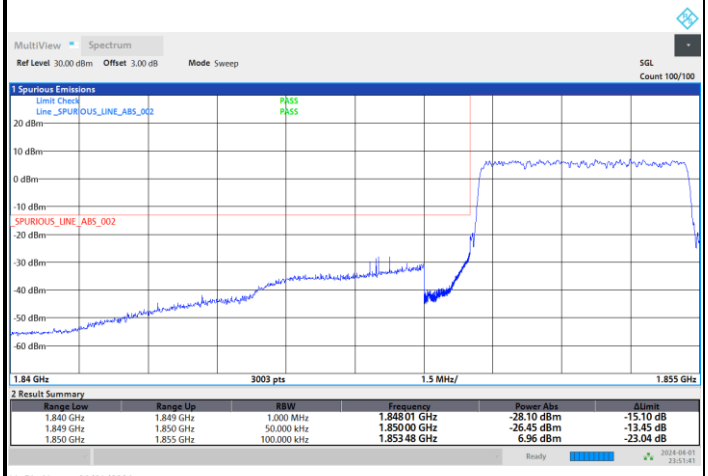
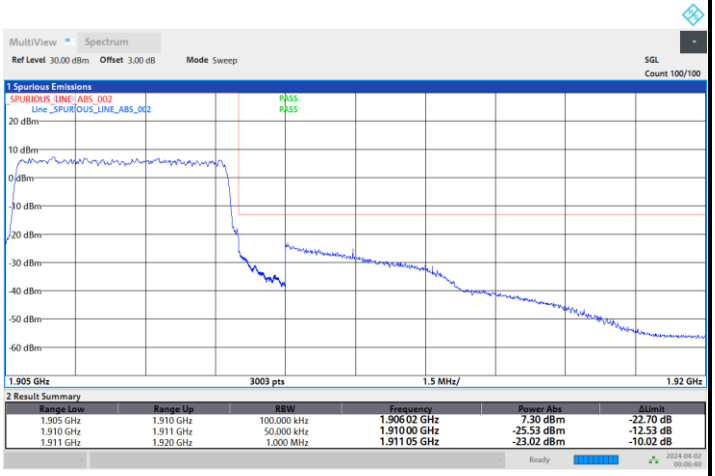
FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

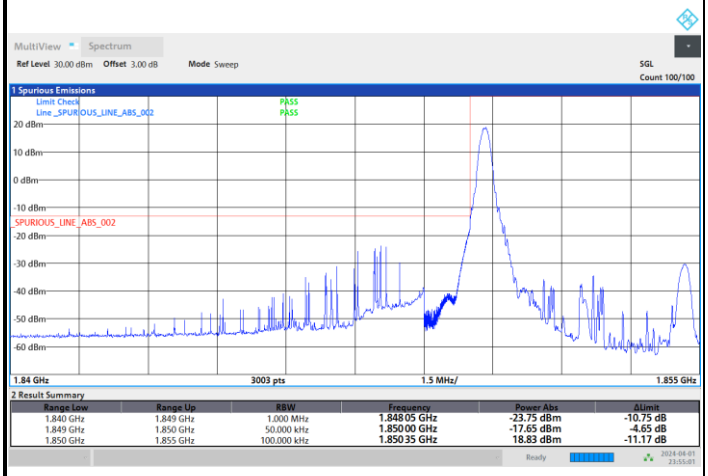
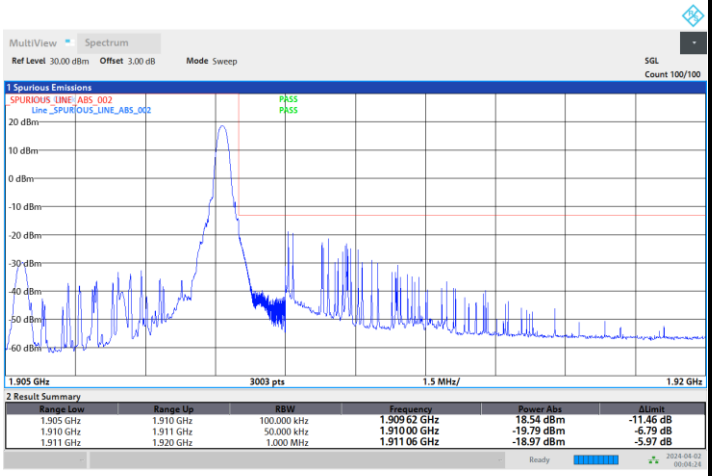
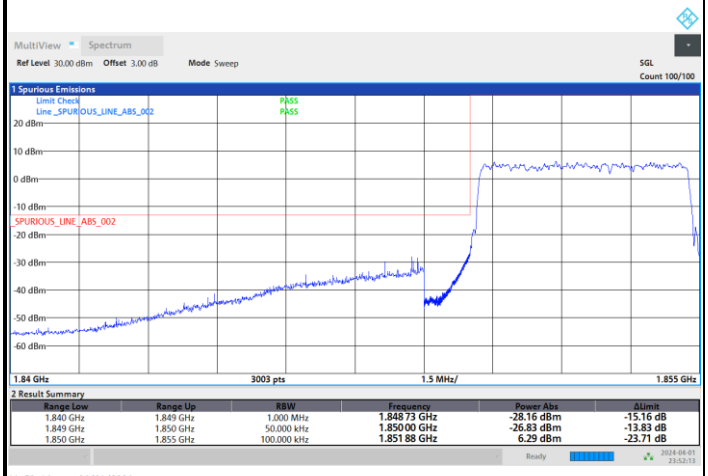
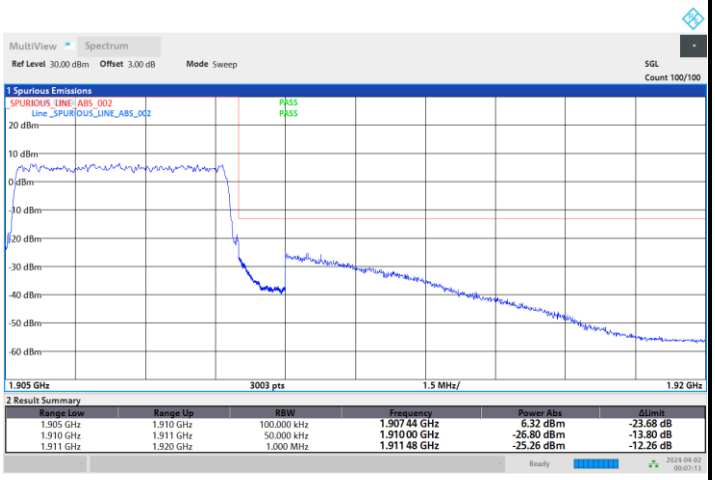
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

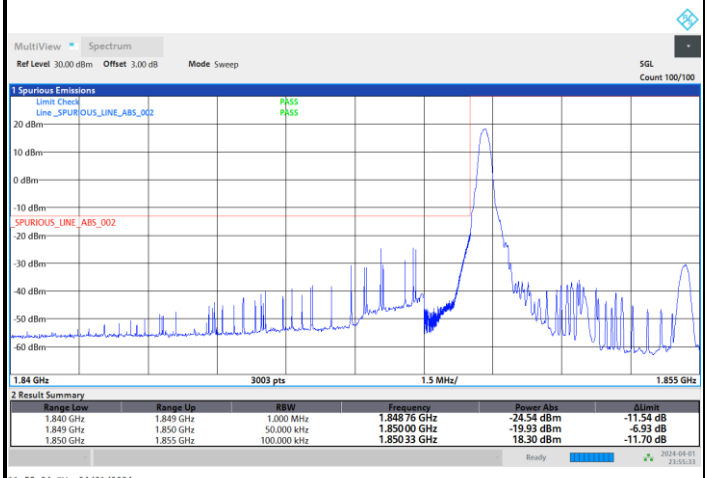
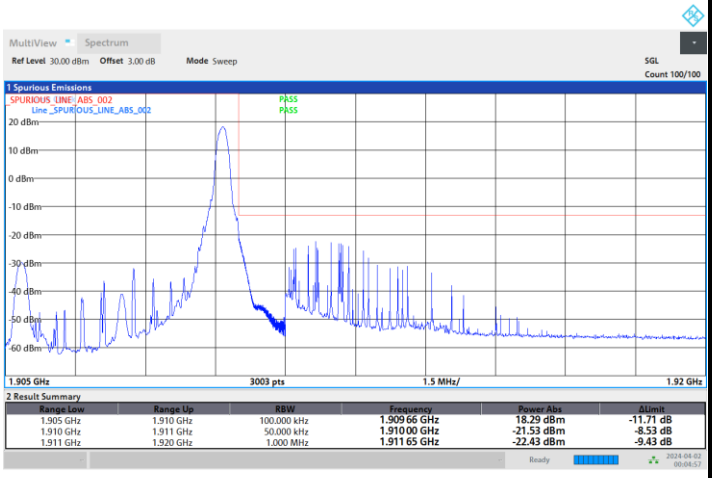
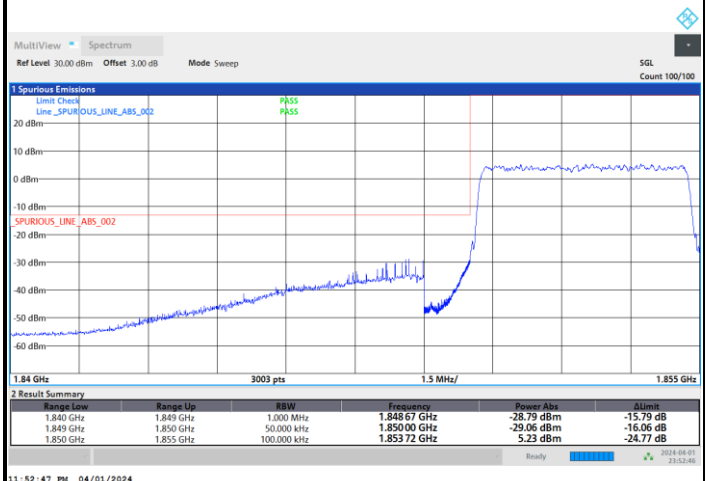
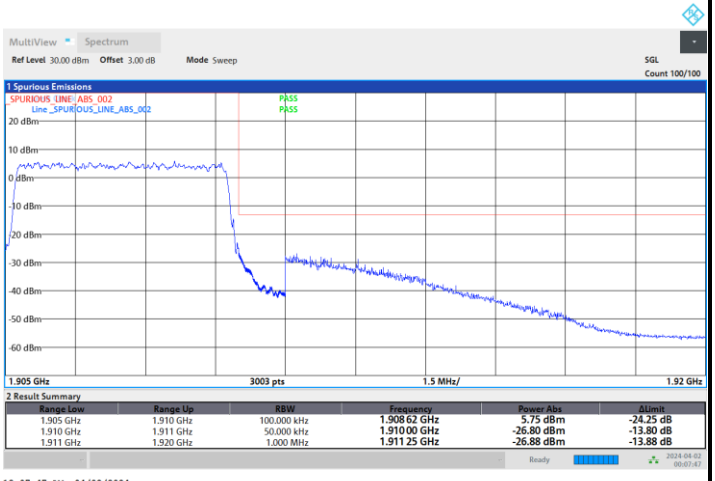
FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

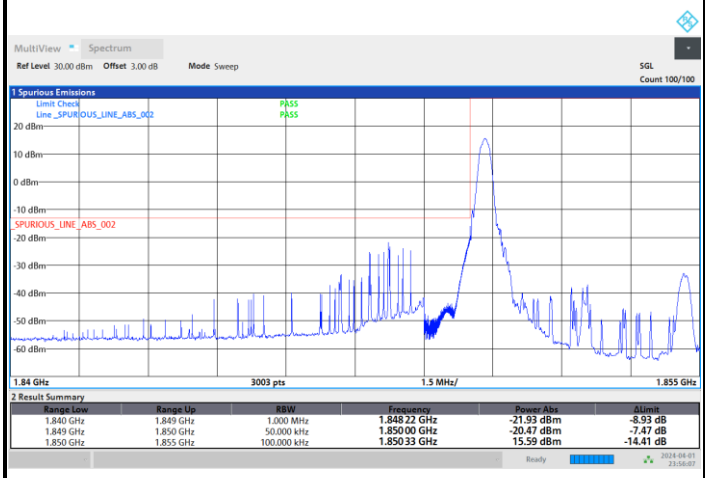
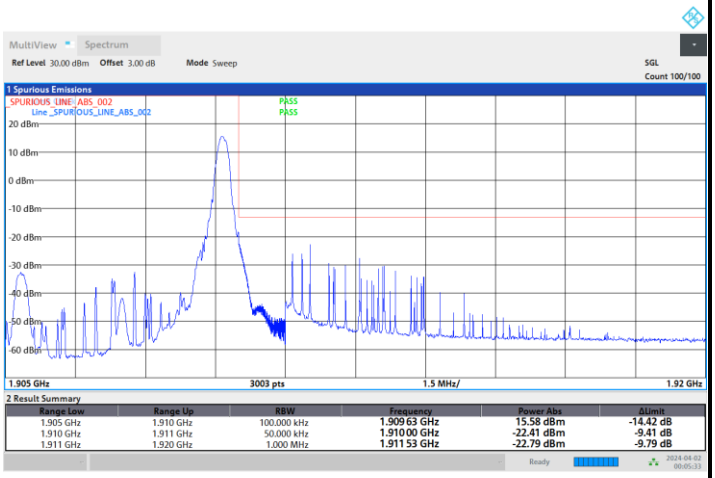
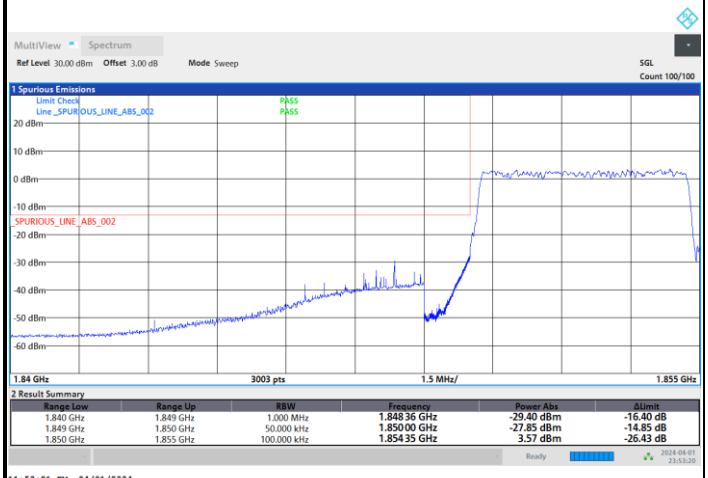
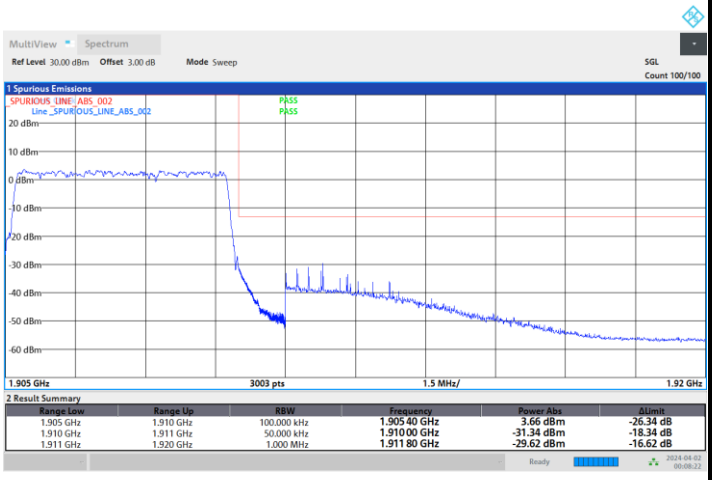
Conducted Band Edge

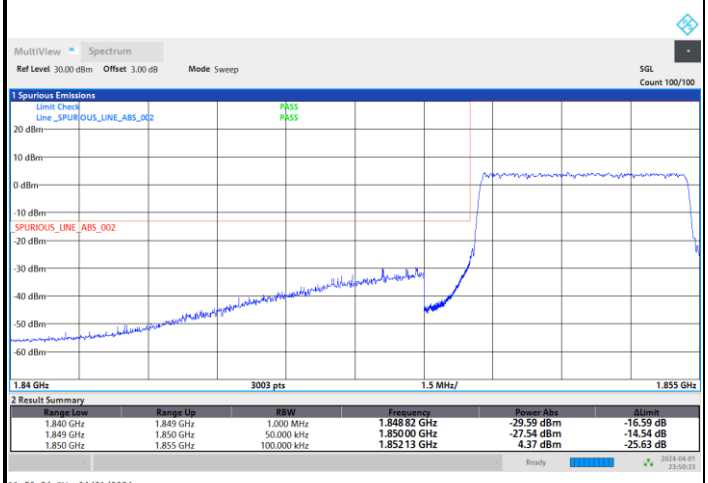
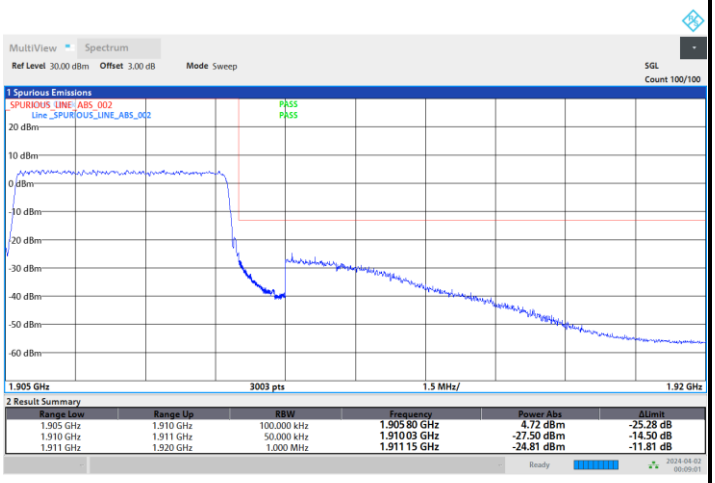
FR1 n2 / 5MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

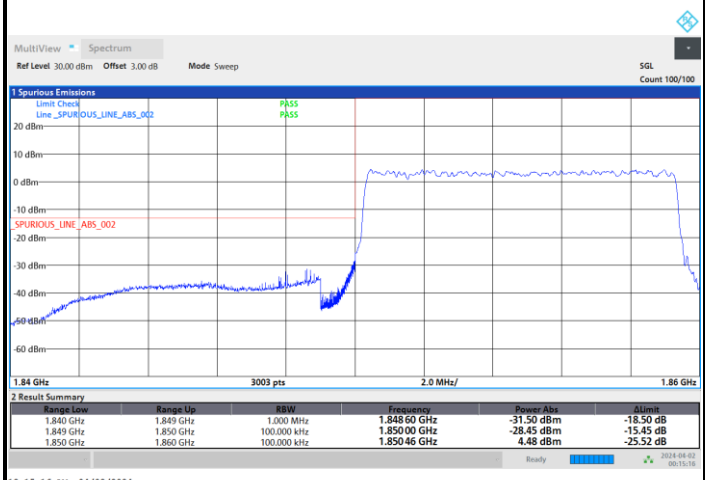
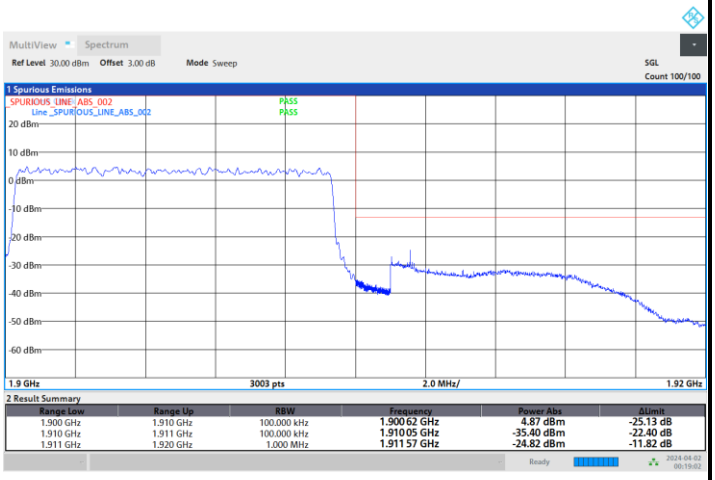
FR1 n2 / 5MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

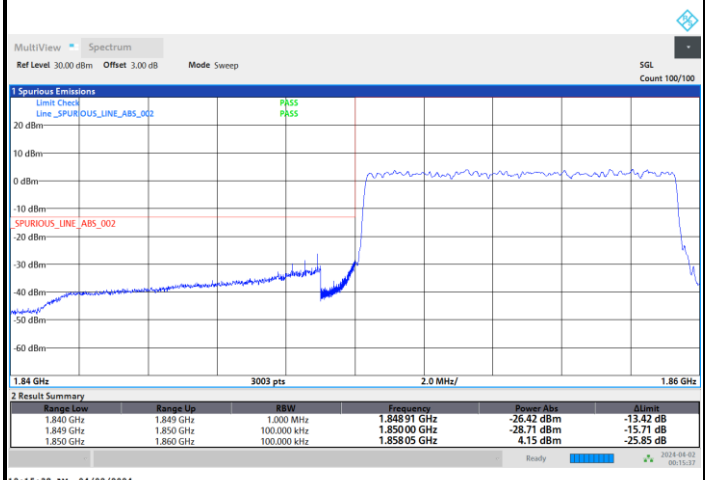
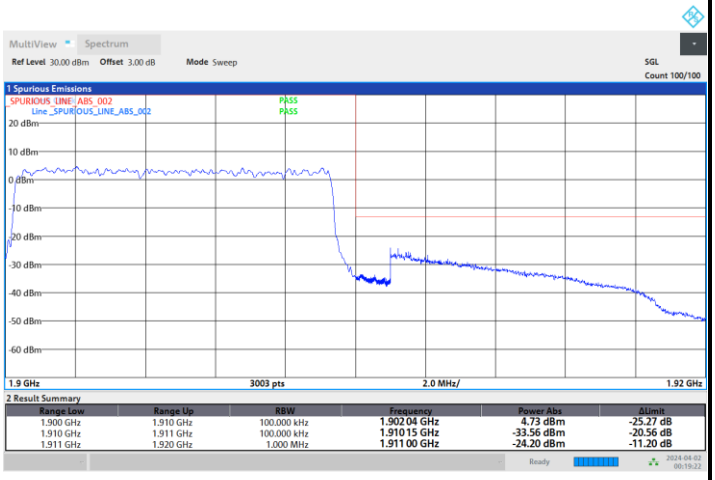
FR1 n2 / 5MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

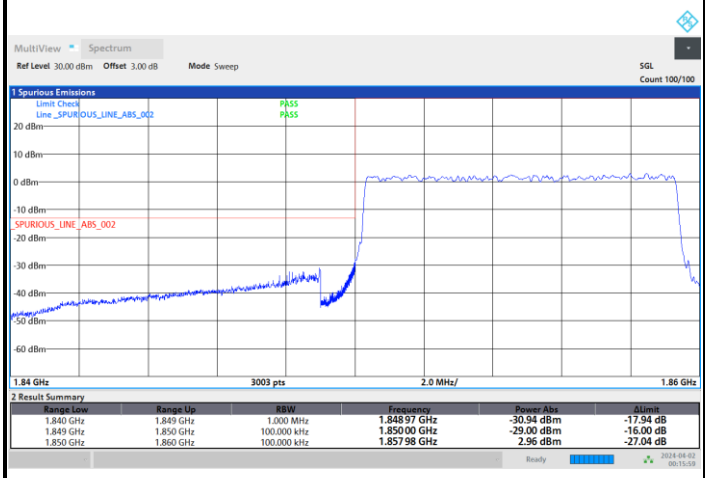
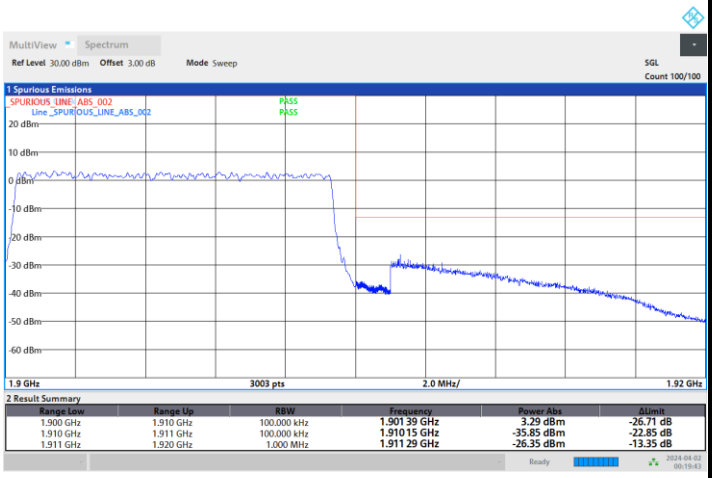
FR1 n2 / 5MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n2 / 5MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n2 / 5MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

FR1 n2 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 10MHz / DFT-s-OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 10MHz / DFT-s-OFDM / 16QAM / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

FR1 n2 / 10MHz / DFT-s-OFDM / 64QAM / Full RB	
Lowest Band Edge	**Highest Band Edge**