



FCC RADIO TEST REPORT

FCC ID : UZ7MC345A
Equipment : Mobile Computer
Brand Name : ZEBRA
Model Name : MC345A
Applicant : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Manufacturer : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27D, Part 90(R),
Part 90(S)

The product was received on Oct. 25, 2024 and testing was performed from Nov. 06, 2024 to Dec. 25, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	7
1.1 Product Feature of Equipment Under Test.....	7
1.2 Product Specification of Equipment Under Test.....	10
1.3 Modification of EUT	13
1.4 Testing Location	13
1.5 Applicable Standards.....	14
2 Test Configuration of Equipment Under Test	15
2.1 Test Mode.....	15
2.2 Connection Diagram of Test System.....	17
2.3 Support Unit used in test configuration and system	18
2.4 Measurement Results Explanation Example.....	18
2.5 Frequency List of Low/Middle/High Channels	19
3 Conducted Test Items.....	29
3.1 Measuring Instruments	29
3.2 Conducted Output Power and ERP/EIRP	30
3.3 Peak-to-Average Ratio	31
3.4 Occupied Bandwidth.....	32
3.5 Conducted Band Edge	33
3.6 Emission Mask.....	37
3.7 Conducted Spurious Emission	39
3.8 Frequency Stability	40
4 Radiated Test Items	41
4.1 Measuring Instruments	41
4.2 Radiated Spurious Emission Measurement	43
5 List of Measuring Equipment.....	45
6 Measurement Uncertainty	47
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FG4O2228C	01	Initial issue of report	Jan. 15, 2025



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (n5) (n26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (n12) (n13) (n71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n7) (n38) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
	§27.50 (a)(3)	Effective Isotropic Radiated Power (n30)		
	§90.542 (a)(7)	Effective Radiated Power (n14)		
	§27.50 (j)(3)	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 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n38) (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (n30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (n14)		
	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measurement (n77) (n78)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77) (n78)		
3.6	§2.1051 §90.210 (n)	Emission Mask (n14)	Pass	-
	§2.1051 §90.691	Emission masks (n26)		

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.7	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n38) (n41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (n30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (n14)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77) (n78)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77) (n78)		
3.8	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	3.75 dB under the limit at 1565.00 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (n30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (n14)		
	§2.1051 §27.53 (l)(2)	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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

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



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Computer
Brand Name	ZEBRA
Model Name	MC345A
FCC ID	UZ7MC345A
Sample 1	SKU 9 (Brick+SE5800+38 Keypad)
Sample 2	SKU 10 (Gun+SE4770+29 Keypad)
Sample 3	SKU 11 (Gun+SE5500+47 Keypad)
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/NFC 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	EV
SW Version	14-10-10.00-UG-U00-PRD-NEM-04
MFD	14SEP24
EUT Stage	Identical Prototype

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

Stage	MC34 WWAN SKU list				
Configuration	SKU3	SKU6	SKU9	SKU10	SKU11
WW/WL	WWAN	WWAN	WWAN	WWAN	WWAN
Form Factor	FA	FA	FA	FA	FA
SKU	Prem	Prem+	Prem+	Prem	Prem+
Brick / Gun	Gun	Gun	Brick	Gun	Gun
DDR size	6GB	6GB	6GB	6GB	6GB
UFS size	64GB	128GB	128GB	64GB	128GB
Scan engine	SE5500	SE5800	SE5800	SE4770	SE5500
FF Camera	None	5MP (PN)	5MP (PN)	None	5MP (PN)
RF Camera		13MP (PN)	13MP (PN)		13MP (PN)
Keypad	47	47	38	29	47
Battery	7000mAh	7000mAh	7000mAh	7000mAh	7000mAh
Region (ROW or NA)	NA	NA	NA	NA	NA



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

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

Specification of Accessories				
Adapter USB Wall Charger	Brand Name	Zebra	Model Number	PWR-WUA5V12W0US
Battery 1 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
			Manufacturer	TWS
Battery 2 Standard Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
			Manufacturer	Inventus
Battery 3 BLE Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000444
Battery 4 BLE Battery (7000mAh)	Brand Name	Zebra	Model Number	BT-000375
Type C USB Cable	Brand Name	Zebra	Model Number	CBL-TC5X-USBC2A-01
USB Cable Cup	Brand Name	Zebra	Model Number	CBL-MC33-USBCHG-01
Soft Holster for Gun Type	Brand Name	Zebra	Model Number	SG-MC3021212-01R
Soft Holster for Brick Type	Brand Name	Zebra	Model Number	SG-MC3X-SHLSTB-01
USB-C PTT Headset	Brand Name	Zebra	Model Number	HDST-USBC-PTT1-01
USB-C to 3.5mm adapter	Brand Name	Zebra	Model Number	ADP-USBC-35MM1-01
3.5mm To Quick Disconnect (QD) Adapter Cable	Brand Name	Zebra	Model Number	ADP-35M-QDCBL1-01
3.5mm PTT Headset	Brand Name	Zebra	Model Number	HDST-35MM-PTT1-01
3.5mm PTT HS2100 Headset	Brand Name	Zebra	Model Number	HS2100
Quick Disconnect (QD) Cable	Brand Name	Zebra	Model Number	CBL-HS2100-QDC1-01



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	5G NR n2: 1850 MHz ~ 1910 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n12: 699 MHz ~ 716 MHz 5G NR n13: 777 MHz ~ 787 MHz 5G NR n14: 788 ~ 796 MHz 5G NR n25: 1850 MHz ~ 1915 MHz 5G NR n26: 814 MHz ~ 849 MHz 5G NR n30: 2305 MHz ~ 2315 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3300 MHz ~ 4200MHz 5G NR n78: 3300 MHz ~ 3800 MHz
Rx Frequency	5G NR n2: 1930 MHz ~ 1990 MHz 5G NR n5: 869 MHz ~ 894 MHz 5G NR n7: 2620 MHz ~ 2690 MHz 5G NR n12: 729 MHz ~ 746 MHz 5G NR n13: 746 MHz ~ 756 MHz 5G NR n14: 758 ~ 768 MHz 5G NR n25: 1930 MHz ~ 1995 MHz 5G NR n26: 859 MHz ~ 894 MHz 5G NR n30: 2350 MHz ~ 2360 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 2110 MHz ~ 2200 MHz 5G NR n71: 617 MHz ~ 652 MHz 5G NR n77: 3300 MHz ~ 4200MHz 5G NR n78: 3300 MHz ~ 3800 MHz

Product Specification is subject to this standard	
Bandwidth	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n7: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz 5G NR n12: 5MHz / 10MHz / 15MHz 5G NR n13: 5MHz / 10MHz 5G NR n14: 5MHz / 10MHz 5G NR n25: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz 5G NR n26: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n30: 5MHz / 10MHz 5G NR n38: 20MHz / 30MHz / 40MHz 5G NR n41: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n77: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz 5G NR n78: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Maximum Output Power to Antenna	<SISO Mode> 5G NR n2 : 24.60 dBm 5G NR n5 : 24.09 dBm 5G NR n7 : 24.35 dBm 5G NR n12 : 24.33 dBm 5G NR n13: 24.83 dBm 5G NR n14: 24.75 dBm 5G NR n25: 24.85 dBm 5G NR n26 : 24.25 dBm (Part22H) 5G NR n26 : 24.62 dBm (Part90S) 5G NR n30: 24.39 dBm 5G NR n38 : 24.23 dBm 5G NR n41 : 26.80 dBm for HPUE 5G NR n66 : 24.53 dBm 5G NR n71 : 23.50 dBm 5G NR n77 : 26.27 dBm for HPUE (Part27O) 5G NR n77 : 26.37 dBm for HPUE (Part27Q) 5G NR n78 : 25.60 dBm for HPUE (Part27O) 5G NR n78 : 25.77 dBm for HPUE (Part27Q) <MIMO Mode> 5G NR n77 : 25.50 dBm for HPUE (Part27O) 5G NR n77 : 25.16 dBm for HPUE (Part27Q) 5G NR n78 : 24.48 dBm for HPUE (Part27O) 5G NR n78 : 24.55 dBm for HPUE (Part27Q)

Product Specification is subject to this standard	
Antenna Type / Antenna Gain	Main Antenna: <Ant. 1>: PIFA Antenna 5G NR n2: -0.02 dBi 5G NR n5: -0.78 dBi 5G NR n7: -0.66 dBi 5G NR n12: -0.51 dBi 5G NR n13: -0.42 dBi 5G NR n14: -0.42 dBi 5G NR n25: -0.02 dBi 5G NR n26: -0.78 dBi 5G NR n66: -0.08 dBi 5G NR n71: -0.11 dBi <Ant. 5>: PIFA Antenna 5G NR n30: -1.92 dBi 5G NR n38: -0.66 dBi 5G NR n41: -0.16 dBi <Ant. 8>: PIFA Antenna 5G NR n77: -1.56 dBi (Part27O) 5G NR n77: -1.04 dBi (Part27Q) 5G NR n78: -1.56 dBi (Part27O) 5G NR n78: -1.04 dBi (Part27Q) <Ant. 9>: PIFA Antenna 5G NR n77: -1.82 dBi (Part27O) 5G NR n77: -1.41 dBi (Part27Q) 5G NR n78: -1.82 dBi (Part27O) 5G NR n78: -1.41 dBi (Part27Q) SRS Antenna: <Ant. 2>: PIFA Antenna 5G NR n41: -1.93 dBi <Ant. 3>: PIFA Antenna 5G NR n41: -1.61 dBi 5G NR n77: -2.08 dBi (Part27O) 5G NR n77: -1.90 dBi (Part27Q) 5G NR n78: -2.08 dBi (Part27O) 5G NR n78: -1.90 dBi (Part27Q) <Ant. 4>: PIFA Antenna 5G NR n41: -1.33 dBi 5G NR n77: -2.55 dBi (Part27O) 5G NR n77: -2.01 dBi (Part27Q) 5G NR n78: -2.55 dBi (Part27O) 5G NR n78: -2.01 dBi (Part27Q)
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

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	Mike Yeh
Temperature (°C)	20.9~23.8
Relative Humidity (%)	51.0~58.0

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. 03CH21-HY (TAF Code: 3786)
Test Engineer	Fred Tseng, Ray Lung and Sky Chang
Temperature (°C)	18~26
Relative Humidity (%)	50~70
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
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27D, Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Remark:

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



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

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

<SISO Mode>

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E	20 MHz or less	Outer_Full	M
Bandwidth	A, F, G, H, I	All	Outer_Full	M
CBE, Mask (Part 90)	A, B, C, D, E, F	All	Outer_1RB Outer_Full	L, H
CSE	B	Minimum	Inner_1RB	L, M, H
Frequency Stability	A	20 MHz or less	Outer_Full	M
RSE	A	Maximum or less	Inner_1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. All the radiated test cases were performed with Battery 1 Standard Battery (7000mAh) and Sample 1.
4. One representative bandwidth is selected to perform PAR and frequency stability.
5. Device 5G NR support SA &NSA Mode, are verified and the worst case is SA mode. Therefore, the report only performed SA test results.
6. For 5G NR N41 support Antenna 5 (Main Ant.) and Antenna 2&3&4 (SRS Ant.). Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 5. Therefore, the report only performed Antenna 5 test results.
7. For 5G NR N77/78 support Antenna 8 (Main Ant.) and Antenna 3&4&9 (SRS Ant.);Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 8 Therefore, the report only performed Antenna 8 test results.

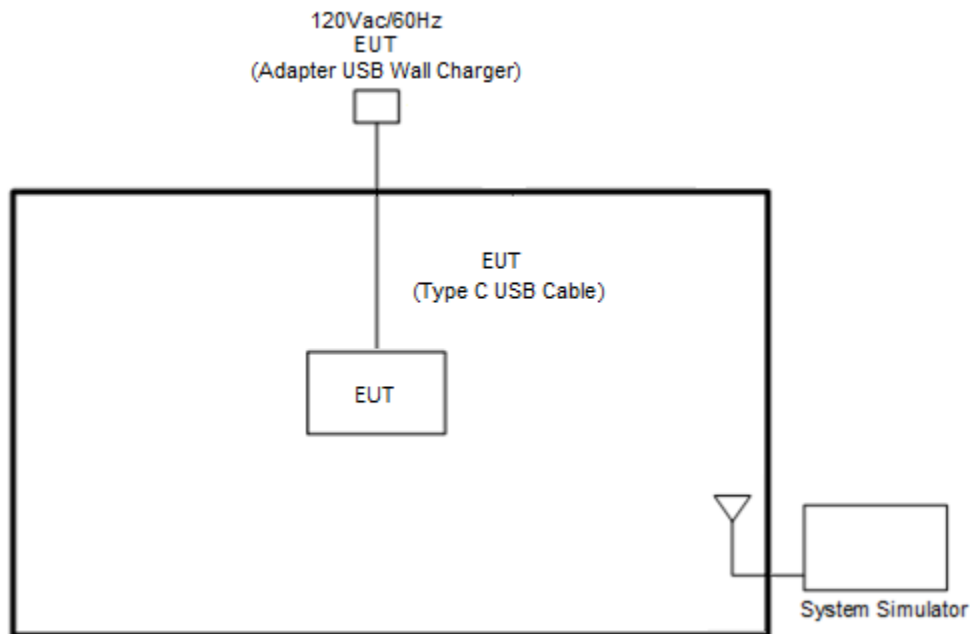
<MIMO Mode>

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	F,G,H,I	All	1, Half, Full	L, M, H
EIRP	F,G,H,I	All	1, Half, Full	L, M, H
PAR	F,G,H,I	20 MHz	Outer_Full	M
Bandwidth	F,G,H,I	All	Outer_Full	M
CBE,	F,G,H,I	All	Outer_1RB Outer_Full	L, H
CSE	F	10 MHz	Inner_1RB	L, M, H
Frequency Stability	F	20 MHz	Outer_Full	M
RSE	F	90 MHz&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 Standard Battery (7000mAh) and Sample 1.
4. One representative bandwidth is selected to perform PAR and frequency stability.
5. Device 5G NR support SA &NSA Mode, are verified and the worst case is SA mode. Therefore, the report only performed SA test results.

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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



2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

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



5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 n13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	156400	-
	Frequency	-	782	-
5	Channel	155900	156400	156900
	Frequency	779.5	782	784.5



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

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



5G NR n26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

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

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

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



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

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685



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

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

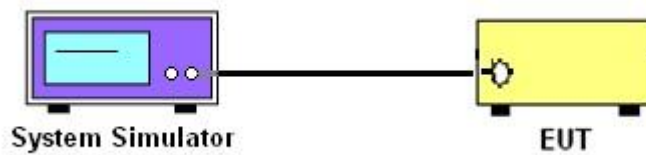
3 Conducted Test Items

3.1 Measuring Instruments

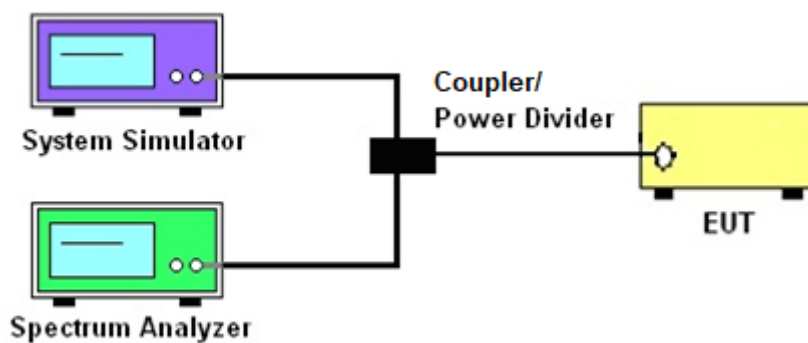
See list of measuring instruments of this test report.

3.1.1 Test Setup

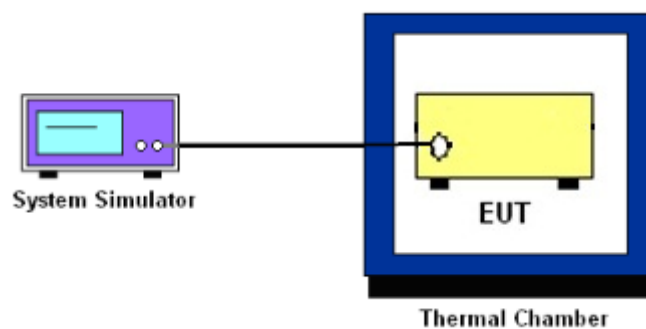
3.1.2 Conducted Output Power



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, n13, n14, n71

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

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (c)

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

27.53 (g)

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

27.53 (h)

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

**27.53(m)(4)**

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

27.53 (a)(4)

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

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

**27.53 (I)(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 (I)(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.

90.543(e)

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

27.53 (n)(2)

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

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For 5G NR n14

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

For 5G NR n26

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

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

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

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



3.6.2 Test Procedures

For 5G NR n14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

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

For 5G NR n26

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

3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

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

For 5G NR n30

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

For 5G NR n7, n38, n41

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

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

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. For MIMO mode, add additional MIMO factor $10\log(\text{NTX}=2) = 3.01\text{dB}$ into the spectrum analyzer offset.



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

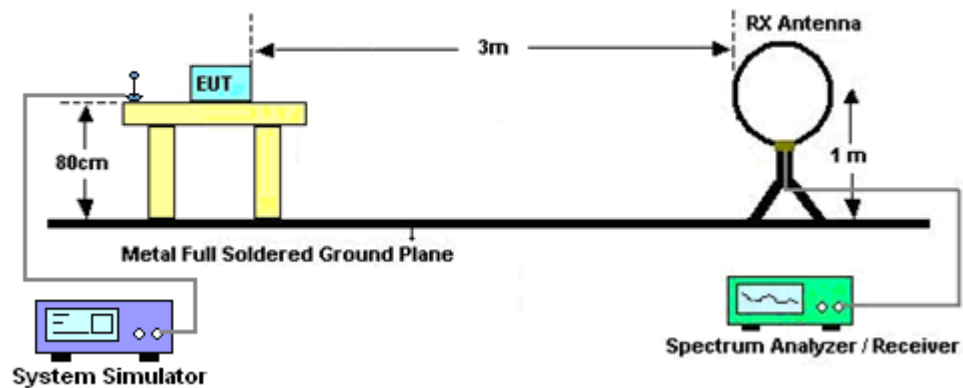
4 Radiated Test Items

4.1 Measuring Instruments

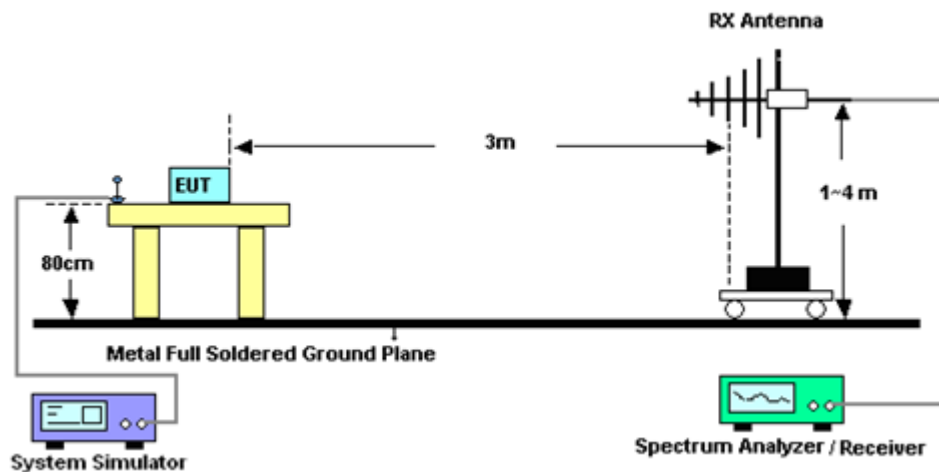
See list of measuring instruments of this test report.

4.1.1 Test Setup

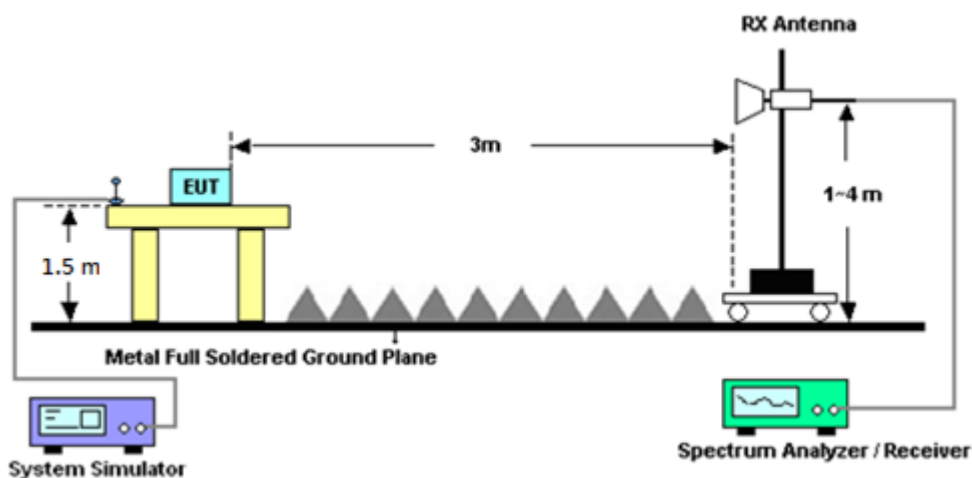
For radiated test below 30MHz



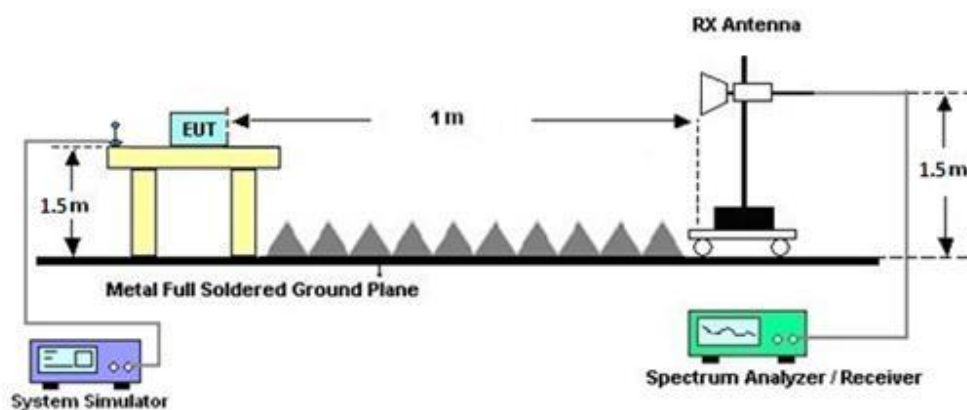
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For 5G NR n7, n38, n41

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

For 5G NR n13

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

For 5G NR n30

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

For 5G NR n14

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

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

4.2.2 Test Procedures

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

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



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Nov. 19, 2024~ Dec. 19, 2024	Aug. 28, 2025	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 04, 2024	Nov. 19, 2024~ Dec. 19, 2024	Feb. 03, 2025	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18E N	1GHz~18GHz	Jul. 11, 2024	Nov. 19, 2024~ Dec. 19, 2024	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Nov. 19, 2024~ Dec. 19, 2024	Jun. 23, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Nov. 19, 2024~ Dec. 19, 2024	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 27, 2024	Nov. 19, 2024~ Dec. 19, 2024	Sep. 26, 2025	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Nov. 19, 2024~ Dec. 19, 2024	Sep. 01, 2025	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 06, 2024	Nov. 19, 2024~ Dec. 19, 2024	Sep. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Nov. 19, 2024~ Dec. 19, 2024	Mar. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,80 4612/2,8039 54/2	30MHz~40GHz	Aug. 12, 2024	Nov. 19, 2024~ Dec. 19, 2024	Aug. 11, 2025	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 21, 2024	Nov. 19, 2024~ Dec. 19, 2024	Oct. 20, 2025	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 19, 2024~ Dec. 19, 2024	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 19, 2024~ Dec. 19, 2024	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Nov. 19, 2024~ Dec. 19, 2024	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Nov. 19, 2024~ Dec. 19, 2024	N/A	Radiation (03CH21-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
DC Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 19, 2024	Nov. 06, 2024~ Dec. 25, 2024	Feb. 18, 2025	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Oct. 07, 2024	Nov. 06, 2024~ Dec. 25, 2024	Oct. 16, 2025	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20℃~85℃	Dec. 13, 2023	Nov. 06, 2024~ Dec. 09, 2024	Dec. 12, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20℃~85℃	Dec. 10, 2024	Dec. 11, 2024~ Dec. 25, 2024	Dec. 09, 2025	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	Nov. 06, 2024~ Dec. 25, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116725	LTE	Oct. 17, 2024	Nov. 06, 2024~ Dec. 25, 2024	Oct. 16, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 20, 2024	Nov. 06, 2024~ Dec. 25, 2024	Oct. 19, 2025	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jun. 27, 2024	Nov. 06, 2024~ Dec. 25, 2024	Jun. 26, 2025	Conducted (TH03-HY)
RF Cable	MVE	MCBL-LL403P.50	E80002C	9KHz~40GHz	Aug. 23, 2024	Nov. 06, 2024~ Dec. 25, 2024	Aug. 22, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV30 44 20231106	N/A	Conducted Test Item	N/A	Nov. 06, 2024~ Dec. 25, 2024	N/A	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.141 dB
--	----------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.330 dB
--	----------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.680 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 = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.34	24.17	23.83	24.40	0.2754		
5	1	23		24.26	23.98	23.78				
5	12	6		24.36	24.17	23.90				
5	1	0		24.02	23.63	23.39				
5	1	24		23.89	23.50	23.31				
5	25	0		23.90	23.66	23.48				
5	1	1	QPSK	24.42	24.28	23.94				
5	1	23		24.37	24.04	23.78				
5	12	6		24.36	24.04	23.81				
5	1	0		23.38	23.15	22.93				
5	1	24		23.37	22.94	22.80				
5	25	0		23.46	23.08	22.89				
5	1	1	16-QAM	23.37	23.05	22.92	23.35	0.2163		
5	1	1	64-QAM	22.14	21.92	21.63				
5	1	1	256-QAM	19.46	19.20	18.89				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.55	24.20	23.95	24.55	0.2851		
10	1	50		24.41	23.97	23.85				
10	25	12		24.52	24.10	23.97				
10	1	0		23.97	23.78	23.53				
10	1	51		23.85	23.44	23.31				
10	50	0		23.99	23.64	23.47				
10	1	1	QPSK	24.57	24.27	23.99				
10	1	50		24.39	23.97	23.95				
10	25	12		24.54	24.13	23.98				
10	1	0		23.55	23.21	23.02				
10	1	51		23.42	23.01	22.76				
10	50	0		23.46	23.06	22.96				
10	1	1	16-QAM	23.46	23.15	22.97	23.44	0.2208		
10	1	1	64-QAM	22.21	21.99	21.68				
10	1	1	256-QAM	19.50	19.24	18.96				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.57	24.30	23.92	24.58	0.2871		
15	1	77		24.28	24.02	23.87				
15	36	18		24.55	24.13	23.97				
15	1	0		23.98	23.82	23.48				
15	1	78		23.87	23.53	23.39				
15	75	0		23.99	23.63	23.45				
15	1	1	QPSK	24.60	24.31	23.99				
15	1	77		24.36	23.92	23.89				
15	36	18		24.49	24.18	23.99				
15	1	0		23.54	23.31	22.95				
15	1	78		23.40	22.96	22.92				
15	75	0		23.51	23.18	22.94				
15	1	1	16-QAM	23.46	23.22	22.87	23.44	0.2208		
15	1	1	64-QAM	22.21	21.97	21.64				
15	1	1	256-QAM	19.48	19.28	18.94				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.49	24.28	23.93	24.49	0.2812		
20	1	104		24.29	23.92	23.81				
20	50	25		24.51	24.20	23.94				
20	1	0		23.87	23.87	23.59				
20	1	105		23.66	23.50	23.40				
20	100	0		23.95	23.62	23.50				
20	1	1	QPSK	24.51	24.34	24.07				
20	1	104		24.32	23.99	23.80				
20	50	25		24.50	24.15	24.01				
20	1	0		23.53	23.35	22.92				
20	1	105		23.33	22.88	22.82				
20	100	0		23.51	23.15	23.02				
20	1	1	16-QAM	23.44	23.31	23.02	23.42	0.2198		
20	1	1	64-QAM	22.12	22.05	21.63				
20	1	1	256-QAM	19.50	19.31	18.93				
Limit	EIRP < 2W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	23.98	23.75	23.73	21.08	0.1282		
5	1	23		23.88	23.74	23.79				
5	12	6		23.92	23.68	23.75				
5	1	0		23.47	23.33	23.31				
5	1	24		23.38	23.27	23.42				
5	25	0		23.46	23.14	23.35				
5	1	1	QPSK	24.01	23.77	23.81				
5	1	23		23.98	23.63	23.91				
5	12	6		23.89	23.68	23.77				
5	1	0		23.04	22.69	22.85				
5	1	24		22.97	22.72	22.87				
5	25	0		22.94	22.75	22.81				
5	1	1	16-QAM	22.91	22.67	22.75	19.98	0.0995		
5	1	1	64-QAM	21.79	21.44	21.63				
5	1	1	256-QAM	19.05	18.77	18.90				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	23.88	23.64	23.65	21.10	0.1288		
10	1	50		23.74	23.64	23.83				
10	25	12		23.93	23.77	23.79				
10	1	0		23.50	23.36	23.06				
10	1	51		23.12	23.20	23.34				
10	50	0		23.44	23.25	23.23				
10	1	1	QPSK	24.03	23.75	23.60				
10	1	50		23.68	23.77	23.92				
10	25	12		23.90	23.77	23.74				
10	1	0		22.94	22.74	22.61				
10	1	51		22.57	22.74	22.81				
10	50	0		22.89	22.75	22.75				
10	1	1	16-QAM	22.80	22.67	22.57	19.87	0.0971		
10	1	1	64-QAM	21.56	21.39	21.32				
10	1	1	256-QAM	18.95	18.83	18.61				
Limit	ERP < 7W			Result			Pass			



NR n5 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	23.90	23.88	23.82	21.15	0.1303		
15	1	77		23.74	23.88	23.93				
15	36	18		23.87	23.89	23.84				
15	1	0		22.90	23.45	23.30				
15	1	78		22.74	23.41	23.48				
15	75	0		22.94	23.36	23.37				
15	1	1	QPSK	24.08	23.93	23.81				
15	1	77		23.92	23.91	23.98				
15	36	18		23.89	23.88	23.75				
15	1	0		23.08	22.92	22.87				
15	1	78		22.86	22.95	22.96				
15	75	0		22.84	22.91	22.80				
15	1	1	16-QAM	23.32	22.81	22.84	20.39	0.1094		
15	1	1	64-QAM	21.24	21.64	21.55				
15	1	1	256-QAM	19.02	18.93	18.84				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.03	23.98	23.91	21.16	0.1306		
20	1	104		23.88	23.94	24.01				
20	50	25		23.87	23.88	23.87				
20	1	0		23.52	23.57	23.44				
20	1	105		23.40	23.44	23.44				
20	100	0		23.44	23.41	23.40				
20	1	1	QPSK	24.07	24.09	24.02				
20	1	104		23.89	24.02	24.00				
20	50	25		23.89	23.87	23.87				
20	1	0		23.11	23.06	22.93				
20	1	105		22.90	23.04	23.02				
20	100	0		22.81	22.90	22.87				
20	1	1	16-QAM	23.03	22.99	22.92	20.10	0.1023		
20	1	1	64-QAM	21.71	21.69	21.65				
20	1	1	256-QAM	19.05	19.03	18.94				
Limit	ERP < 7W			Result			Pass			



NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	23.56	23.51	23.38	23.10	0.2042		
5	1	23		23.73	23.59	23.48				
5	12	6		23.71	23.63	23.53				
5	1	0		23.07	23.02	23.00				
5	1	24		23.19	23.08	23.11				
5	25	0		23.23	23.08	23.07				
5	1	1	QPSK	23.53	23.58	23.46				
5	1	23		23.71	23.66	23.54				
5	12	6		23.76	23.65	23.50				
5	1	0		22.70	22.56	22.43				
5	1	24		22.78	22.62	22.43				
5	25	0		22.77	22.60	22.54				
5	1	1	16-QAM	22.62	22.57	22.44	21.96	0.1570		
5	1	1	64-QAM	21.41	21.41	21.11				
5	1	1	256-QAM	18.59	18.51	18.49				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.55	23.57	23.54	23.06	0.2023		
10	1	50		23.62	23.57	23.49				
10	25	12		23.52	23.68	23.59				
10	1	0		23.02	23.11	23.04				
10	1	51		23.18	23.07	22.95				
10	50	0		23.10	23.10	23.00				
10	1	1	QPSK	23.53	23.61	23.56				
10	1	50		23.63	23.65	23.56				
10	25	12		23.55	23.72	23.60				
10	1	0		22.51	22.68	22.49				
10	1	51		22.47	22.62	22.57				
10	50	0		22.65	22.70	22.58				
10	1	1	16-QAM	22.54	22.53	22.48	21.88	0.1542		
10	1	1	64-QAM	21.37	21.22	21.25				
10	1	1	256-QAM	18.51	18.54	18.56				
Limit	EIRP < 2W			Result			Pass			



NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.61	23.70	23.66	23.12	0.2051		
15	1	77		23.63	23.65	23.65				
15	36	18		23.69	23.70	23.75				
15	1	0		23.17	23.09	23.21				
15	1	78		23.27	23.15	23.13				
15	75	0		23.19	23.26	23.28				
15	1	1	QPSK	23.66	23.67	23.74				
15	1	77		23.73	23.67	23.73				
15	36	18		23.71	23.71	23.78				
15	1	0		22.63	22.71	22.69				
15	1	78		22.64	22.71	22.72				
15	75	0		22.73	22.65	22.78				
15	1	1	16-QAM	22.60	22.62	22.74	22.08	0.1614		
15	1	1	64-QAM	21.40	21.35	21.36				
15	1	1	256-QAM	18.67	18.69	18.70				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.56	23.60	23.48	23.13	0.2056		
20	1	104		23.79	23.64	23.57				
20	50	25		23.72	23.78	23.72				
20	1	0		23.12	23.12	23.08				
20	1	105		23.29	23.15	23.13				
20	100	0		23.30	23.22	23.20				
20	1	1	QPSK	23.64	23.66	23.61				
20	1	104		23.75	23.61	23.66				
20	50	25		23.76	23.73	23.67				
20	1	0		22.68	22.73	22.55				
20	1	105		22.65	22.72	22.64				
20	100	0		22.75	22.79	22.69				
20	1	1	16-QAM	22.55	22.57	22.54	21.91	0.1552		
20	1	1	64-QAM	21.35	21.37	21.25				
20	1	1	256-QAM	18.63	18.57	18.55				
Limit	EIRP < 2W			Result			Pass			



NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	24.26	24.23	24.11	23.69	0.2339		
25	1	131		24.05	23.86	23.77				
25	64	32		23.95	23.80	23.69				
25	1	0		24.00	23.97	23.88				
25	1	132		23.56	23.45	23.44				
25	128	0		23.33	23.20	23.14				
25	1	1	QPSK	24.31	24.35	24.19				
25	1	131		24.12	23.97	23.83				
25	64	32		23.82	23.78	23.69				
25	1	0		23.53	23.52	23.44				
25	1	132		23.15	23.00	22.89				
25	128	0		22.82	22.79	22.68				
25	1	1	16-QAM	23.26	23.28	23.16	22.62	0.1828		
25	1	1	64-QAM	22.07	21.97	21.93				
25	1	1	256-QAM	19.34	19.31	19.22				
Limit	EIRP < 2W			Result			Pass			

NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	22.89	22.95	22.80	22.35	0.1718		
30	1	158		23.01	22.86	22.75				
30	80	40		22.95	22.89	22.81				
30	1	0		22.40	22.50	22.47				
30	1	159		22.37	22.48	22.34				
30	160	0		22.45	22.49	22.29				
30	1	1	QPSK	22.95	22.92	22.92				
30	1	158		22.97	22.84	22.89				
30	80	40		22.86	22.86	22.81				
30	1	0		21.91	22.01	21.90				
30	1	159		22.00	21.90	21.83				
30	160	0		21.90	22.05	21.90				
30	1	1	16-QAM	21.89	21.92	21.88	21.26	0.1337		
30	1	1	64-QAM	20.56	20.58	20.54				
30	1	1	256-QAM	17.89	17.99	17.88				
Limit	EIRP < 2W			Result			Pass			



NR n7 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	22.91	22.96	23.01	22.46	0.1762		
40	1	214		23.12	22.95	22.96				
40	108	54		22.96	22.84	22.91				
40	1	0		22.54	22.47	22.60				
40	1	215		22.53	22.47	22.46				
40	216	0		22.43	22.48	22.38				
40	1	1	QPSK	23.01	22.99	23.11				
40	1	214		23.04	22.94	23.04				
40	108	54		23.02	22.87	22.98				
40	1	0		21.95	21.99	22.00				
40	1	215		22.03	21.95	22.01				
40	216	0		21.98	21.87	21.91				
40	1	1	16-QAM	21.92	21.99	22.01	21.35	0.1365		
40	1	1	64-QAM	20.75	20.62	20.70				
40	1	1	256-QAM	17.98	17.94	17.92				
Limit	EIRP < 2W			Result			Pass			



NR n12 Maximum Average Power [dBm] (GT - LC = -0.51 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.00	23.98	24.05	21.48	0.1406		
5	1	23		23.91	24.13	23.93				
5	12	6		24.05	23.95	24.11				
5	1	0		23.53	23.46	23.58				
5	1	24		23.39	23.58	23.40				
5	25	0		23.48	23.57	23.56				
5	1	1	QPSK	24.10	23.98	24.10				
5	1	23		23.99	24.14	23.97				
5	12	6		24.07	23.96	24.04				
5	1	0		22.98	23.04	23.06				
5	1	24		23.02	23.14	23.03				
5	25	0		23.07	23.08	23.12				
5	1	1	16-QAM	22.89	22.79	23.04	20.38	0.1091		
5	1	1	64-QAM	21.55	21.59	21.71				
5	1	1	256-QAM	19.08	19.03	19.09				
Limit	ERP < 3W			Result			Pass			

NR n12 Maximum Average Power [dBm] (GT - LC = -0.51 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.04	23.81	23.81	21.56	0.1432		
10	1	50		24.07	24.11	24.10				
10	25	12		24.01	24.09	24.11				
10	1	0		23.42	23.50	23.41				
10	1	51		23.54	23.74	23.51				
10	50	0		23.48	23.66	23.59				
10	1	1	QPSK	23.94	23.98	23.85				
10	1	50		24.09	24.14	24.22				
10	25	12		23.89	23.96	24.16				
10	1	0		22.96	22.96	22.85				
10	1	51		23.12	23.17	23.06				
10	50	0		23.05	23.06	23.09				
10	1	1	16-QAM	22.85	22.82	22.70	20.19	0.1045		
10	1	1	64-QAM	21.59	21.74	21.59				
10	1	1	256-QAM	19.00	19.22	18.91				
Limit	ERP < 3W			Result			Pass			



NR n12 Maximum Average Power [dBm] (GT - LC = -0.51 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.08	24.12	24.04	21.67	0.1469		
15	1	77		24.14	24.17	24.19				
15	36	18		24.09	24.12	24.04				
15	1	0		23.53	23.50	23.55				
15	1	78		23.65	23.60	23.62				
15	75	0		23.61	23.56	23.70				
15	1	1	QPSK	24.10	24.10	24.12				
15	1	77		24.29	24.33	24.28				
15	36	18		24.12	24.14	24.07				
15	1	0		23.14	23.14	23.08				
15	1	78		23.26	23.25	23.24				
15	75	0		23.16	23.22	23.20				
15	1	1	16-QAM	23.04	23.01	23.03	20.38	0.1091		
15	1	1	64-QAM	21.76	21.80	21.94				
15	1	1	256-QAM	19.15	19.12	19.05				
Limit	ERP < 3W			Result			Pass			



NR n13 Maximum Average Power [dBm] (GT - LC = -0.42 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.53	24.44	24.20	22.14	0.1637		
5	1	23		24.27	24.29	24.42				
5	12	6		24.54	24.28	24.40				
5	1	0		24.14	23.89	23.71				
5	1	24		23.63	23.90	23.99				
5	25	0		23.89	23.86	23.89				
5	1	1	QPSK	24.71	24.47	24.22				
5	1	23		24.27	24.27	24.52				
5	12	6		24.45	24.17	24.36				
5	1	0		23.74	23.40	23.20				
5	1	24		23.23	23.27	23.53				
5	25	0		23.47	23.36	23.39				
5	1	1	16-QAM	23.58	23.40	23.21	21.01	0.1262		
5	1	1	64-QAM	22.45	22.10	21.89				
5	1	1	256-QAM	19.76	19.44	19.24				
Limit	ERP < 3W			Result			Pass			

NR n13 Maximum Average Power [dBm] (GT - LC = -0.42 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	-	24.75	-	22.26	0.1683		
10	1	50		-	24.58	-				
10	25	12		-	24.42	-				
10	1	0		-	24.07	-				
10	1	51		-	23.98	-				
10	50	0		-	23.90	-				
10	1	1	QPSK	-	24.83	-				
10	1	50		-	24.55	-				
10	25	12		-	24.30	-				
10	1	0		-	23.86	-				
10	1	51		-	23.53	-				
10	50	0		-	23.37	-				
10	1	1	16-QAM	-	23.63	-	21.06	0.1276		
10	1	1	64-QAM	-	22.34	-				
10	1	1	256-QAM	-	19.70	-				
Limit	ERP < 3W			Result			Pass			



NR n14 Maximum Average Power [dBm] (GT - LC = -0.42 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.65	24.48	24.27	22.18	0.1652		
5	1	23		24.24	24.29	24.64				
5	12	6		24.60	24.22	24.56				
5	1	0		24.19	24.01	23.76				
5	1	24		23.69	23.95	24.16				
5	25	0		24.04	23.88	24.14				
5	1	1	QPSK	24.75	24.49	24.31				
5	1	23		24.40	24.36	24.66				
5	12	6		24.55	24.23	24.46				
5	1	0		23.72	23.43	23.30				
5	1	24		23.32	23.41	23.66				
5	25	0		23.50	23.38	23.66				
5	1	1	16-QAM	23.63	23.42	23.24	21.06	0.1276		
5	1	1	64-QAM	22.42	22.19	21.98				
5	1	1	256-QAM	19.74	19.55	19.32				
Limit	ERP < 3W			Result			Pass			

NR n14 Maximum Average Power [dBm] (GT - LC = -0.42 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	-	24.68	-	22.16	0.1644		
10	1	50		-	24.62	-				
10	25	12		-	24.35	-				
10	1	0		-	24.09	-				
10	1	51		-	24.05	-				
10	50	0		-	23.98	-				
10	1	1	QPSK	-	24.72	-				
10	1	50		-	24.73	-				
10	25	12		-	24.39	-				
10	1	0		-	23.67	-				
10	1	51		-	23.68	-				
10	50	0		-	23.53	-				
10	1	1	16-QAM	-	23.53	-	20.96	0.1247		
10	1	1	64-QAM	-	22.36	-				
10	1	1	256-QAM	-	19.71	-				
Limit	ERP < 3W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.40	24.38	24.15	24.43	0.2773		
5	1	23		24.44	24.37	24.17				
5	12	6		24.42	24.32	24.13				
5	1	0		24.02	23.83	23.68				
5	1	24		23.91	23.85	23.74				
5	25	0		23.86	23.81	23.67				
5	1	1	QPSK	24.45	24.38	24.25				
5	1	23		24.41	24.35	24.20				
5	12	6		24.35	24.34	24.14				
5	1	0		23.41	23.40	23.15				
5	1	24		23.36	23.36	23.10				
5	25	0		23.35	23.32	23.19				
5	1	1	16-QAM	23.40	23.34	23.15	23.38	0.2178		
5	1	1	64-QAM	22.15	22.12	21.93				
5	1	1	256-QAM	19.44	19.41	19.21				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.45	24.30	24.13	24.45	0.2786		
10	1	50		24.38	24.28	24.14				
10	25	12		24.47	24.36	24.22				
10	1	0		23.80	23.84	23.67				
10	1	51		23.81	23.77	23.51				
10	50	0		23.94	23.87	23.71				
10	1	1	QPSK	24.40	24.39	24.18				
10	1	50		24.35	24.35	24.15				
10	25	12		24.46	24.33	24.17				
10	1	0		23.46	23.34	23.16				
10	1	51		23.07	23.32	23.15				
10	50	0		23.45	23.36	23.20				
10	1	1	16-QAM	23.40	23.24	23.14	23.38	0.2178		
10	1	1	64-QAM	22.15	21.97	22.09				
10	1	1	256-QAM	19.43	19.29	19.21				
Limit	EIRP < 2W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.40	24.47	24.30	24.50	0.2818		
15	1	77		24.43	24.39	24.31				
15	36	18		24.47	24.43	24.37				
15	1	0		24.02	23.91	23.76				
15	1	78		23.97	23.85	23.78				
15	75	0		23.98	23.93	23.89				
15	1	1	QPSK	24.51	24.44	24.35				
15	1	77		24.49	24.31	24.27				
15	36	18		24.52	24.44	24.33				
15	1	0		23.50	23.46	23.29				
15	1	78		23.49	23.37	23.32				
15	75	0		23.52	23.44	23.30				
15	1	1	16-QAM	23.44	23.29	23.28	23.42	0.2198		
15	1	1	64-QAM	22.11	22.16	22.00				
15	1	1	256-QAM	19.52	19.41	19.31				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.36	24.36	24.28	24.49	0.2812		
20	1	104		24.44	24.30	24.30				
20	50	25		24.47	24.42	24.40				
20	1	0		23.81	23.87	23.78				
20	1	105		23.88	23.81	23.85				
20	100	0		24.03	23.96	23.83				
20	1	1	QPSK	24.38	24.42	24.28				
20	1	104		24.48	24.33	24.36				
20	50	25		24.51	24.45	24.37				
20	1	0		23.42	23.33	23.40				
20	1	105		23.49	23.03	23.38				
20	100	0		23.51	23.45	23.39				
20	1	1	16-QAM	23.28	23.29	23.25	23.27	0.2123		
20	1	1	64-QAM	22.10	22.04	21.81				
20	1	1	256-QAM	19.37	19.32	19.22				
Limit	EIRP < 2W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	24.73	24.72	24.63	24.83	0.3041		
25	1	131		24.70	24.53	24.49				
25	64	32		24.49	24.48	24.34				
25	1	0		24.48	24.38	24.34				
25	1	132		24.27	24.15	24.12				
25	128	0		23.96	23.91	23.79				
25	1	1	QPSK	24.85	24.83	24.64				
25	1	131		24.79	24.65	24.60				
25	64	32		24.51	24.42	24.30				
25	1	0		23.98	23.97	23.89				
25	1	132		24.12	23.82	23.67				
25	128	0		23.49	23.35	23.33				
25	1	1	16-QAM	23.77	23.76	23.61	23.75	0.2371		
25	1	1	64-QAM	22.51	22.54	22.37				
25	1	1	256-QAM	19.82	19.75	19.68				
Limit	EIRP < 2W			Result			Pass			

NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.60	24.49	24.43	24.61	0.2891		
30	1	158		24.52	24.33	24.23				
30	80	40		24.57	24.32	24.29				
30	1	0		24.08	24.00	23.99				
30	1	159		23.92	23.82	23.79				
30	160	0		24.02	23.83	23.82				
30	1	1	QPSK	24.63	24.55	24.37				
30	1	158		24.39	24.30	24.35				
30	80	40		24.56	24.36	24.26				
30	1	0		23.66	23.50	23.39				
30	1	159		23.46	23.32	23.32				
30	160	0		23.61	23.38	23.36				
30	1	1	16-QAM	23.52	23.46	23.37	23.50	0.2239		
30	1	1	64-QAM	22.65	22.24	22.29				
30	1	1	256-QAM	19.56	19.52	19.50				
Limit	EIRP < 2W			Result			Pass			



FCC RADIO TEST REPORT

Report No. : FG4O2228C

NR n25 Maximum Average Power [dBm] (GT - LC = -0.02 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.53	24.44	24.59	24.63	0.2904		
40	1	214		24.36	24.33	24.38				
40	108	54		24.46	24.40	24.40				
40	1	0		24.04	24.05	24.05				
40	1	215		23.88	23.85	23.85				
40	216	0		23.95	23.87	23.88				
40	1	1	QPSK	24.65	24.56	24.57				
40	1	214		24.47	24.39	24.47				
40	108	54		24.53	24.37	24.40				
40	1	0		23.53	23.44	23.60				
40	1	215		23.59	23.37	23.45				
40	216	0		23.50	23.33	23.37				
40	1	1	16-QAM	23.56	23.48	23.50	23.54	0.2259		
40	1	1	64-QAM	21.94	22.24	22.27				
40	1	1	256-QAM	19.50	19.45	19.53				
Limit	EIRP < 2W			Result			Pass			



NR n26 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	24.06	24.01	24.01	21.18	0.1312		
5	1	23		23.93	23.93	23.87				
5	12	6		24.04	23.98	23.91				
5	1	0		23.71	23.47	23.46				
5	1	24		23.46	23.50	23.34				
5	25	0		23.56	23.50	23.48				
5	1	1	QPSK	24.11	24.01	23.92				
5	1	23		24.08	24.02	23.87				
5	12	6		24.01	23.92	23.90				
5	1	0		23.06	23.04	23.02				
5	1	24		23.00	22.95	22.96				
5	25	0		23.12	23.00	22.94				
5	1	1	16-QAM	23.05	23.01	22.86	20.12	0.1028		
5	1	1	64-QAM	21.75	21.73	21.67				
5	1	1	256-QAM	19.11	18.94	19.00				
Limit	ERP < 7W			Result			Pass			

NR n26 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	24.13	24.02	24.01	21.21	0.1321		
10	1	50		23.99	24.00	23.89				
10	25	12		24.06	23.98	23.99				
10	1	0		23.50	23.48	23.49				
10	1	51		23.45	23.49	23.33				
10	50	0		23.62	23.49	23.50				
10	1	1	QPSK	24.14	24.03	24.02				
10	1	50		23.97	24.05	23.90				
10	25	12		24.02	23.96	23.97				
10	1	0		23.11	23.02	22.97				
10	1	51		22.99	22.95	22.87				
10	50	0		23.04	23.01	22.93				
10	1	1	16-QAM	23.06	23.02	22.95	20.13	0.1030		
10	1	1	64-QAM	21.76	21.78	21.69				
10	1	1	256-QAM	19.07	19.09	19.01				
Limit	ERP < 7W			Result			Pass			



NR n26 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	24.09	24.06	24.10	21.26	0.1337		
15	1	77		24.01	24.04	24.07				
15	36	18		24.11	24.07	23.95				
15	1	0		23.64	23.66	23.55				
15	1	78		23.50	23.63	23.56				
15	75	0		23.61	23.55	23.54				
15	1	1	QPSK	24.19	24.17	24.08				
15	1	77		24.06	24.11	24.08				
15	36	18		23.97	24.07	24.01				
15	1	0		23.13	23.18	23.08				
15	1	78		22.79	23.11	23.03				
15	75	0		23.16	23.14	23.05				
15	1	1	16-QAM	23.08	23.11	23.03	20.18	0.1042		
15	1	1	64-QAM	21.78	21.79	21.85				
15	1	1	256-QAM	19.13	19.11	19.05				
Limit	ERP < 7W			Result			Pass			

NR n26 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	24.19	24.18	24.10	21.32	0.1355		
20	1	104		24.12	24.05	24.18				
20	50	25		24.07	24.11	24.08				
20	1	0		23.70	23.67	23.67				
20	1	105		23.63	23.56	23.57				
20	100	0		23.58	23.57	23.62				
20	1	1	QPSK	24.25	24.25	24.10				
20	1	104		24.20	24.15	24.07				
20	50	25		24.10	24.15	24.09				
20	1	0		23.19	23.26	23.17				
20	1	105		23.19	23.15	23.09				
20	100	0		23.10	23.10	23.14				
20	1	1	16-QAM	23.13	23.21	23.15	20.28	0.1067		
20	1	1	64-QAM	21.88	21.88	21.79				
20	1	1	256-QAM	19.06	19.31	19.06				
Limit	ERP < 7W			Result			Pass			



NR n30 Maximum Average Power [dBm] (GT - LC = -1.92 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	23.95	24.04	24.26	22.47	0.1766		
5	1	23		24.10	24.21	24.12				
5	12	6		24.14	24.30	24.39				
5	1	0		23.59	23.73	23.81				
5	1	24		23.56	23.80	23.81				
5	25	0		23.63	23.73	23.80				
5	1	1	QPSK	24.02	24.16	24.29				
5	1	23		24.24	24.30	24.27				
5	12	6		24.05	24.22	24.33				
5	1	0		23.07	23.22	23.22				
5	1	24		23.18	23.21	23.17				
5	25	0		23.16	23.32	23.30				
5	1	1	16-QAM	23.09	23.20	23.36	21.44	0.1393		
5	1	1	64-QAM	21.69	21.83	21.90				
5	1	1	256-QAM	18.98	19.08	19.25				
Limit	EIRP < 250 mW/5MHz			Result			Pass			

NR n30 Maximum Average Power [dBm] (GT - LC = -1.92 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	-	24.07	-	22.34	0.1714		
10	1	50		-	24.16	-				
10	25	12		-	24.26	-				
10	1	0		-	23.40	-				
10	1	51		-	23.56	-				
10	50	0		-	23.64	-				
10	1	1	QPSK	-	24.05	-				
10	1	50		-	24.15	-				
10	25	12		-	24.24	-				
10	1	0		-	23.02	-				
10	1	51		-	23.13	-				
10	50	0		-	23.20	-				
10	1	1	16-QAM	-	22.96	-	21.04	0.1271		
10	1	1	64-QAM	-	21.70	-				
10	1	1	256-QAM	-	18.98	-				
Limit	EIRP < 250 mW/5MHz			Result			Pass			

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



NR n38 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	23.58	23.36	23.72	23.23	0.2104		
10	1	22		23.54	23.45	23.88				
10	12	6		23.64	23.43	23.89				
10	1	0		23.02	22.87	23.25				
10	1	23		22.97	22.89	23.38				
10	24	0		22.03	21.91	22.34				
10	1	1	QPSK	23.68	23.36	23.72				
10	1	22		23.54	23.42	23.89				
10	12	6		23.60	23.39	23.89				
10	1	0		22.59	22.32	22.74				
10	1	23		22.54	22.47	22.86				
10	24	0		21.59	21.38	21.89				
10	1	1	16-QAM	22.43	22.31	22.80	22.14	0.1637		
10	1	1	64-QAM	21.09	20.93	21.25				
10	1	1	256-QAM	19.07	18.84	19.24				
Limit	EIRP < 2W			Result			Pass			

NR n38 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	23.70	23.42	23.79	23.57	0.2275		
15	1	36		23.61	23.50	24.23				
15	18	9		23.66	23.46	23.98				
15	1	0		23.12	22.90	23.31				
15	1	37		23.08	22.99	23.75				
15	36	0		22.13	21.95	22.55				
15	1	1	QPSK	23.67	23.43	23.81			22.09	0.1618
15	1	36		23.58	23.49	24.20				
15	18	9		23.64	23.47	23.97				
15	1	0		22.65	22.39	22.72				
15	1	37		22.54	22.46	23.23				
15	36	0		21.61	21.48	22.03				
15	1	1	16-QAM	22.61	22.38	22.75	22.09	0.1618		
15	1	1	64-QAM	21.20	20.89	21.31				
15	1	1	256-QAM	19.19	18.92	19.29				
Limit	EIRP < 2W			Result			Pass			



NR n38 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	23.65	23.37	23.47	23.44	0.2208		
20	1	49		23.43	23.58	24.10				
20	25	12		23.73	23.49	23.95				
20	1	0		23.10	22.84	23.03				
20	1	50		22.91	23.04	23.57				
20	50	0		22.15	21.94	22.36				
20	1	1	QPSK	23.64	23.33	23.44				
20	1	49		23.48	23.61	24.10				
20	25	12		23.66	23.46	23.91				
20	1	0		22.63	22.33	22.47				
20	1	50		22.44	22.50	23.09				
20	50	0		21.68	21.39	21.86				
20	1	1	16-QAM	22.60	22.24	22.49	21.94	0.1563		
20	1	1	64-QAM	21.20	20.91	21.05				
20	1	1	256-QAM	19.21	18.90	19.02				
Limit	EIRP < 2W			Result			Pass			



NR n38 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	23.65	23.57	23.36	23.43	0.2203		
30	1	76		23.39	23.82	24.09				
30	36	18		23.49	23.49	23.63				
30	1	0		23.15	23.04	22.88				
30	1	77		23.01	23.33	23.55				
30	75	0		22.10	22.07	22.11				
30	1	1	QPSK	23.66	23.55	23.38				
30	1	76		23.45	23.82	23.99				
30	36	18		23.55	23.46	23.63				
30	1	0		22.65	22.54	22.42				
30	1	77		22.43	22.72	23.08				
30	75	0		21.56	21.55	21.61				
30	1	1	16-QAM	22.44	22.41	22.30	21.78	0.1507		
30	1	1	64-QAM	21.15	21.16	20.93				
30	1	1	256-QAM	19.17	19.09	18.97				
Limit	EIRP < 2W			Result			Pass			

NR n38 Maximum Average Power [dBm] (GT - LC = -0.66 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	23.69	23.60	23.64	23.54	0.2259		
40	1	104		23.78	23.90	24.06				
40	50	25		23.56	23.49	23.69				
40	1	0		23.19	23.09	23.11				
40	1	105		23.37	23.40	23.66				
40	100	0		22.14	22.10	22.28				
40	1	1	QPSK	23.74	23.59	23.60				
40	1	104		23.77	23.90	24.20				
40	50	25		23.55	23.45	23.67				
40	1	0		22.75	22.62	22.65				
40	1	105		22.89	22.93	23.09				
40	100	0		21.61	21.60	21.76				
40	1	1	16-QAM	22.56	22.43	22.63	21.97	0.1574		
40	1	1	64-QAM	21.31	21.17	21.18				
40	1	1	256-QAM	19.25	19.10	19.15				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	26.02	26.01	26.06	25.94	0.3926		
10	1	22		26.06	26.07	25.80				
10	12	6		26.10	26.10	25.89				
10	1	0		22.58	22.60	22.54				
10	1	23		22.53	22.59	22.43				
10	24	0		25.60	25.56	25.49				
10	1	1	QPSK	25.99	26.05	25.93				
10	1	22		26.04	26.05	25.80				
10	12	6		26.10	26.06	25.90				
10	1	0		22.58	22.53	22.51				
10	1	23		22.52	22.53	22.32				
10	24	0		25.09	25.10	25.04				
10	1	1	16-QAM	25.02	24.99	24.98	24.86	0.3062		
10	1	1	64-QAM	23.57	23.61	23.54				
10	1	1	256-QAM	21.69	21.65	21.60				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	26.00	25.98	26.19	26.08	0.4055		
15	1	36		26.09	26.05	26.01				
15	18	9		26.19	26.08	26.21				
15	1	0		22.52	22.54	22.64				
15	1	37		22.65	22.69	22.54				
15	36	0		25.64	25.54	25.72				
15	1	1	QPSK	26.00	26.01	26.13				
15	1	36		26.13	26.07	26.01				
15	18	9		26.22	26.09	26.24				
15	1	0		22.61	22.48	22.68				
15	1	37		22.70	22.64	22.50				
15	36	0		25.19	25.07	25.22				
15	1	1	16-QAM	24.93	24.90	25.04	24.88	0.3076		
15	1	1	64-QAM	23.66	23.61	23.76				
15	1	1	256-QAM	21.64	21.63	21.75				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.94	26.04	26.28	26.12	0.4093		
20	1	49		25.98	26.10	25.96				
20	25	12		26.08	26.11	26.24				
20	1	0		22.43	22.53	22.80				
20	1	50		22.47	22.57	22.45				
20	50	0		25.54	25.59	25.75				
20	1	1	QPSK	25.96	26.02	26.24				
20	1	49		25.96	26.07	25.91				
20	25	12		26.06	26.10	26.17				
20	1	0		22.44	22.51	22.74				
20	1	50		22.49	22.55	22.43				
20	50	0		25.05	25.10	25.22				
20	1	1	16-QAM	24.82	24.97	25.09	24.93	0.3112		
20	1	1	64-QAM	23.41	23.54	23.83				
20	1	1	256-QAM	21.49	21.62	21.99				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	26.09	26.05	26.80	26.64	0.4613		
30	1	76		26.23	26.14	26.24				
30	36	18		26.06	26.21	26.48				
30	1	0		22.63	22.54	23.20				
30	1	77		22.64	22.65	22.73				
30	75	0		25.70	25.61	25.98				
30	1	1	QPSK	26.04	26.07	26.71				
30	1	76		26.17	26.18	26.22				
30	36	18		26.05	26.14	26.47				
30	1	0		22.58	22.62	23.22				
30	1	77		22.71	22.71	22.72				
30	75	0		25.09	25.24	25.50				
30	1	1	16-QAM	24.93	24.91	25.66	25.5	0.3548		
30	1	1	64-QAM	23.65	23.57	24.27				
30	1	1	256-QAM	21.64	21.74	22.27				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.09	26.13	26.79	26.63	0.4603		
40	1	104		26.15	26.16	26.07				
40	50	25		26.09	26.11	26.56				
40	1	0		22.65	22.60	23.41				
40	1	105		22.68	22.70	22.63				
40	100	0		25.58	25.72	26.05				
40	1	1	QPSK	26.05	26.11	26.75				
40	1	104		26.17	26.23	26.02				
40	50	25		26.07	26.08	26.53				
40	1	0		22.62	22.61	23.37				
40	1	105		22.69	22.70	22.61				
40	100	0		25.10	25.23	25.58				
40	1	1	16-QAM	25.06	24.96	25.64	25.48	0.3532		
40	1	1	64-QAM	23.74	23.62	24.31				
40	1	1	256-QAM	21.68	21.71	22.47				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	26.11	26.02	26.47	26.43	0.4395		
50	1	131		26.04	26.14	25.99				
50	64	32		26.18	26.06	26.59				
50	1	0		22.68	22.50	22.95				
50	1	132		22.60	22.73	22.51				
50	128	0		25.66	25.58	26.05				
50	1	1	QPSK	26.07	25.93	26.54				
50	1	131		26.00	26.14	26.03				
50	64	32		26.10	26.03	26.52				
50	1	0		22.63	22.48	23.01				
50	1	132		22.53	22.75	22.51				
50	128	0		25.15	25.08	25.53				
50	1	1	16-QAM	25.00	24.85	25.37	25.21	0.3319		
50	1	1	64-QAM	23.61	23.47	24.00				
50	1	1	256-QAM	21.67	21.53	22.10				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	26.04	25.95	26.25	26.48	0.4446		
60	1	160		26.01	26.32	26.07				
60	81	40		26.08	26.08	26.63				
60	1	0		22.46	22.43	22.73				
60	1	161		22.43	22.74	22.54				
60	162	0		25.54	25.61	26.02				
60	1	1	QPSK	26.02	25.92	26.18				
60	1	160		26.00	26.25	26.02				
60	81	40		26.09	26.10	26.64				
60	1	0		22.52	22.45	22.67				
60	1	161		22.51	22.78	22.50				
60	162	0		25.12	25.08	25.53				
60	1	1	16-QAM	24.88	24.78	25.09	24.93	0.3112		
60	1	1	64-QAM	23.51	23.40	23.67				
60	1	1	256-QAM	21.57	21.43	21.79				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	26.05	25.87	25.99	26.39	0.4355		
70	1	187		26.13	26.49	26.07				
70	90	45		26.08	26.07	26.55				
70	1	0		22.51	22.36	22.50				
70	1	188		22.64	22.96	22.41				
70	180	0		25.56	25.50	25.95				
70	1	1	QPSK	26.03	25.84	26.00				
70	1	187		26.07	26.46	26.06				
70	90	45		26.06	26.06	26.54				
70	1	0		22.51	22.31	22.50				
70	1	188		22.61	22.91	22.43				
70	180	0		25.09	25.03	25.37				
70	1	1	16-QAM	24.84	24.92	25.01	24.85	0.3055		
70	1	1	64-QAM	23.52	23.42	23.56				
70	1	1	256-QAM	21.59	21.43	21.62				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.97	25.92	25.85	26.42	0.4385		
80	1	215		26.05	26.41	26.05				
80	108	54		25.97	26.07	26.58				
80	1	0		22.39	22.44	22.33				
80	1	216		22.57	23.03	22.45				
80	216	0		25.48	25.55	25.90				
80	1	1	QPSK	25.90	25.91	25.79				
80	1	215		26.05	26.34	26.04				
80	108	54		26.01	26.05	26.57				
80	1	0		22.41	22.40	22.35				
80	1	216		22.58	23.00	22.43				
80	216	0		24.98	25.11	25.39				
80	1	1	16-QAM	24.86	24.84	24.85	24.70	0.2951		
80	1	1	64-QAM	23.46	23.40	23.41				
80	1	1	256-QAM	21.41	21.42	21.39				
Limit	EIRP < 2W			Result			Pass			



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.97	25.91	25.84	26.44	0.4406		
90	1	243		26.25	26.32	26.03				
90	120	60		26.11	25.98	26.57				
90	1	0		22.43	22.38	22.30				
90	1	244		22.70	23.09	22.47				
90	243	0		25.55	25.59	25.91				
90	1	1	QPSK	25.94	25.88	25.79				
90	1	243		26.21	26.50	26.00				
90	120	60		26.08	26.00	26.60				
90	1	0		22.41	22.41	22.33				
90	1	244		22.69	23.03	22.42				
90	243	0		25.07	25.11	25.41				
90	1	1	16-QAM	25.01	24.80	24.78	24.85	0.3055		
90	1	1	64-QAM	23.60	23.45	23.38				
90	1	1	256-QAM	21.46	21.45	21.39				
Limit	EIRP < 2W			Result			Pass			

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = -0.16 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	25.94	25.85	25.76	26.43	0.4395		
100	1	271		26.19	26.59	25.92				
100	135	67		26.02	25.95	26.40				
100	1	0		22.41	22.33	22.36				
100	1	272		22.74	23.11	22.34				
100	270	0		25.48	25.58	25.69				
100	1	1	QPSK	25.90	25.86	25.78				
100	1	271		26.21	26.49	25.95				
100	135	67		25.99	25.97	26.38				
100	1	0		22.42	22.34	22.28				
100	1	272		22.69	23.15	22.31				
100	270	0		25.01	25.07	25.25				
100	1	1	16-QAM	24.85	24.76	24.69	24.69	0.2944		
100	1	1	64-QAM	23.50	23.39	23.28				
100	1	1	256-QAM	21.43	21.41	21.30				
Limit	EIRP < 2W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	24.09	24.23	24.03	24.17	0.2612		
5	1	23		24.15	24.14	23.98				
5	12	6		24.10	24.14	24.06				
5	1	0		23.68	23.69	23.00				
5	1	24		23.64	23.66	23.03				
5	25	0		23.79	23.66	23.63				
5	1	1	QPSK	24.21	24.25	24.08				
5	1	23		24.11	24.09	24.05				
5	12	6		24.15	24.13	24.03				
5	1	0		23.11	23.21	22.97				
5	1	24		23.11	23.13	22.96				
5	25	0		23.16	23.14	23.06				
5	1	1	16-QAM	23.18	23.15	23.12	23.10	0.2042		
5	1	1	64-QAM	21.98	21.85	21.82				
5	1	1	256-QAM	19.14	19.12	19.02				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	24.19	24.16	24.05	24.16	0.2606		
10	1	50		24.13	24.05	23.96				
10	25	12		24.22	24.17	24.11				
10	1	0		23.75	23.68	23.66				
10	1	51		23.55	23.58	23.49				
10	50	0		23.75	23.70	23.59				
10	1	1	QPSK	24.24	24.20	24.15				
10	1	50		24.09	24.18	24.08				
10	25	12		24.22	24.13	24.10				
10	1	0		23.22	23.14	23.11				
10	1	51		23.21	23.12	22.97				
10	50	0		23.29	23.20	23.14				
10	1	1	16-QAM	23.16	23.10	23.13	23.08	0.2032		
10	1	1	64-QAM	21.83	21.87	21.72				
10	1	1	256-QAM	19.18	19.12	19.07				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	24.22	24.29	23.99	24.29	0.2685		
15	1	77		24.12	24.13	23.97				
15	36	18		24.21	24.21	24.11				
15	1	0		23.89	23.77	23.66				
15	1	78		23.70	23.69	23.44				
15	75	0		23.74	23.68	23.62				
15	1	1	QPSK	24.37	24.23	24.12				
15	1	77		24.18	24.15	24.04				
15	36	18		24.30	24.26	24.09				
15	1	0		23.33	23.20	23.09				
15	1	78		23.12	23.05	23.08				
15	75	0		23.26	23.24	23.10				
15	1	1	16-QAM	23.29	23.21	23.04	23.21	0.2094		
15	1	1	64-QAM	22.06	21.94	21.77				
15	1	1	256-QAM	19.27	19.27	19.09				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	24.31	24.21	24.12	24.24	0.2655		
20	1	104		24.16	24.20	23.94				
20	50	25		24.23	24.24	24.11				
20	1	0		23.70	23.75	23.57				
20	1	105		23.55	23.65	23.50				
20	100	0		23.69	23.77	23.72				
20	1	1	QPSK	24.32	24.26	24.16				
20	1	104		24.19	24.08	24.08				
20	50	25		24.24	24.26	24.13				
20	1	0		23.27	23.28	23.21				
20	1	105		23.18	23.11	23.04				
20	100	0		23.26	23.27	23.11				
20	1	1	16-QAM	23.23	23.19	23.14	23.15	0.2065		
20	1	1	64-QAM	21.99	21.91	21.85				
20	1	1	256-QAM	19.28	19.31	19.03				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	24.37	24.38	24.30	24.45	0.2786		
25	1	131		24.39	24.39	24.25				
25	64	32		24.22	24.30	24.17				
25	1	0		24.01	24.03	23.93				
25	1	132		24.00	24.02	23.95				
25	128	0		23.66	23.74	23.60				
25	1	1	QPSK	24.47	24.53	24.33				
25	1	131		24.50	24.48	24.42				
25	64	32		24.19	24.27	24.13				
25	1	0		23.53	23.37	23.47				
25	1	132		23.42	23.59	23.37				
25	128	0		23.16	23.25	23.12				
25	1	1	16-QAM	23.37	23.45	23.36	23.37	0.2173		
25	1	1	64-QAM	22.07	22.13	22.07				
25	1	1	256-QAM	19.45	19.42	19.32				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	24.47	24.25	24.20	24.40	0.2754		
30	1	158		24.15	24.12	24.05				
30	80	40		24.20	24.17	24.12				
30	1	0		23.85	23.88	23.85				
30	1	159		23.63	23.63	23.58				
30	160	0		23.72	23.76	23.69				
30	1	1	QPSK	24.48	24.39	24.27				
30	1	158		24.12	24.18	24.05				
30	80	40		24.22	24.21	24.14				
30	1	0		23.44	23.34	23.27				
30	1	159		23.17	23.16	23.02				
30	160	0		23.28	23.29	23.17				
30	1	1	16-QAM	23.42	23.40	23.33	23.34	0.2158		
30	1	1	64-QAM	22.13	22.11	22.03				
30	1	1	256-QAM	19.43	19.29	19.35				
Limit	EIRP < 1W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = -0.08 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.37	24.39	24.32	24.32	0.2704		
40	1	214		24.13	24.03	24.06				
40	108	54		24.23	24.18	24.11				
40	1	0		23.86	23.89	23.80				
40	1	215		23.62	23.58	23.54				
40	216	0		23.70	23.67	23.60				
40	1	1	QPSK	24.40	24.40	24.32				
40	1	214		24.19	24.17	24.17				
40	108	54		24.17	24.27	24.19				
40	1	0		23.46	23.46	23.35				
40	1	215		23.27	23.07	23.06				
40	216	0		23.28	23.22	23.15				
40	1	1	16-QAM	23.35	23.37	23.24	23.29	0.2133		
40	1	1	64-QAM	22.13	22.18	21.98				
40	1	1	256-QAM	19.34	19.37	19.35				
Limit	EIRP < 1W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -0.11 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	23.44	23.25	23.17	21.24	0.1330		
5	1	23		23.32	23.29	23.04				
5	12	6		23.50	23.40	23.25				
5	1	0		22.84	22.75	22.68				
5	1	24		22.85	22.77	22.50				
5	25	0		22.93	22.94	22.71				
5	1	1	QPSK	23.48	23.26	23.19				
5	1	23		23.32	23.34	23.13				
5	12	6		23.47	23.36	23.16				
5	1	0		22.46	22.25	22.19				
5	1	24		22.30	22.21	22.09				
5	25	0		22.42	22.42	22.18				
5	1	1	16-QAM	22.39	22.27	22.11	20.13	0.1030		
5	1	1	64-QAM	21.06	20.95	20.80				
5	1	1	256-QAM	18.20	18.18	18.10				
Limit	ERP < 3W			Result			Pass			

NR n71 Maximum Average Power [dBm] (GT - LC = -0.11 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	23.50	23.28	23.21	21.24	0.1330		
10	1	50		23.26	23.31	23.12				
10	25	12		23.38	23.40	23.17				
10	1	0		22.96	22.75	22.73				
10	1	51		22.76	22.68	22.60				
10	50	0		22.85	22.89	22.66				
10	1	1	QPSK	23.48	23.17	23.21				
10	1	50		23.25	23.34	23.06				
10	25	12		23.40	23.38	23.21				
10	1	0		22.35	22.30	22.13				
10	1	51		22.14	22.38	21.87				
10	50	0		22.42	22.37	22.13				
10	1	1	16-QAM	22.38	22.19	22.22	20.12	0.1028		
10	1	1	64-QAM	21.13	21.08	20.93				
10	1	1	256-QAM	18.25	18.07	18.16				
Limit	ERP < 3W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -0.11 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	23.25	23.22	23.24	21.12	0.1294		
15	1	77		23.28	23.25	23.14				
15	36	18		23.32	23.38	23.34				
15	1	0		22.87	22.65	22.77				
15	1	78		22.83	22.71	22.54				
15	75	0		22.89	22.83	22.81				
15	1	1	QPSK	23.27	23.23	23.23				
15	1	77		23.35	23.31	23.20				
15	36	18		23.33	23.33	23.36				
15	1	0		22.19	22.27	22.27				
15	1	78		22.27	22.33	22.18				
15	75	0		22.43	22.30	22.32				
15	1	1	16-QAM	22.27	22.17	22.17	20.01	0.1002		
15	1	1	64-QAM	20.93	20.92	20.85				
15	1	1	256-QAM	18.22	17.96	18.12				
Limit	ERP < 3W			Result			Pass			

NR n71 Maximum Average Power [dBm] (GT - LC = -0.11 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	23.09	22.96	23.12	21.14	0.1300		
20	1	104		23.20	23.13	23.05				
20	50	25		23.32	23.35	23.40				
20	1	0		22.66	22.52	22.50				
20	1	105		22.69	22.64	22.47				
20	100	0		22.83	22.82	22.84				
20	1	1	QPSK	23.13	23.02	23.12				
20	1	104		23.18	23.22	22.98				
20	50	25		23.34	23.35	23.36				
20	1	0		22.07	22.05	22.11				
20	1	105		22.01	22.14	22.12				
20	100	0		22.30	22.29	22.36				
20	1	1	16-QAM	22.00	21.97	22.05	19.79	0.0953		
20	1	1	64-QAM	20.77	20.66	20.73				
20	1	1	256-QAM	17.98	17.86	17.96				
Limit	ERP < 3W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.85	25.61	25.98	24.61	0.2891		
10	1	22		25.90	25.67	26.05				
10	12	6		26.02	25.77	26.17				
10	1	0		22.46	22.00	22.54				
10	1	23		22.45	22.06	22.57				
10	24	0		25.55	25.20	25.67				
10	1	1	QPSK	25.92	25.61	26.01				
10	1	22		25.85	25.60	26.15				
10	12	6		25.94	25.72	26.08				
10	1	0		22.31	22.11	22.45				
10	1	23		22.32	22.05	22.44				
10	24	0		25.08	24.69	25.19				
10	1	1	16-QAM	24.55	24.57	24.81	23.25	0.2113		
10	1	1	64-QAM	23.41	23.13	23.61				
10	1	1	256-QAM	21.47	21.13	21.41				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.83	25.71	26.06	24.71	0.2958		
15	1	36		25.98	25.69	26.19				
15	18	9		26.13	25.77	26.13				
15	1	0		22.41	22.15	22.51				
15	1	37		22.35	22.20	22.64				
15	36	0		25.57	25.18	25.57				
15	1	1	QPSK	25.90	25.66	26.16				
15	1	36		25.99	25.68	26.27				
15	18	9		26.14	25.75	26.27				
15	1	0		22.24	22.08	22.50				
15	1	37		22.41	22.18	22.61				
15	36	0		25.07	24.74	25.13				
15	1	1	16-QAM	24.66	24.64	25.08	23.52	0.2249		
15	1	1	64-QAM	23.34	23.16	23.74				
15	1	1	256-QAM	21.37	21.11	21.62				
Limit	EIRP < 1W			Result			Pass			



Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	26.10	25.70	26.01	24.57	0.2864		
20	1	49		26.00	25.61	26.06				
20	25	12		26.13	25.72	26.10				
20	1	0		22.46	22.09	22.52				
20	1	50		22.02	21.93	22.63				
20	50	0		25.51	25.17	25.58				
20	1	1	QPSK	25.85	25.66	26.03				
20	1	49		25.81	25.64	26.00				
20	25	12		25.95	25.70	26.05				
20	1	0		22.66	22.01	22.41				
20	1	50		22.55	21.99	22.51				
20	50	0		24.92	24.76	25.10				
20	1	1	16-QAM	24.80	24.65	24.87	23.31	0.2143		
20	1	1	64-QAM	23.51	23.22	23.58				
20	1	1	256-QAM	21.38	21.19	21.53				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.90	25.73	26.10	24.55	0.2851		
30	1	76		25.95	25.66	26.08				
30	36	18		26.06	25.67	26.02				
30	1	0		21.96	22.05	22.61				
30	1	77		22.18	21.98	22.56				
30	75	0		25.48	25.25	25.55				
30	1	1	QPSK	25.93	25.71	26.11				
30	1	76		25.94	25.64	26.04				
30	36	18		25.93	25.68	26.01				
30	1	0		22.47	22.11	22.48				
30	1	77		22.47	21.98	22.57				
30	75	0		25.01	24.66	25.04				
30	1	1	16-QAM	24.73	24.56	24.92	23.36	0.2168		
30	1	1	64-QAM	23.34	23.20	23.58				
30	1	1	256-QAM	21.43	21.30	21.58				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.22	25.76	26.01	24.66	0.2924		
40	1	104		26.07	25.63	26.13				
40	50	25		26.06	25.73	25.98				
40	1	0		22.59	22.29	22.47				
40	1	105		22.23	22.07	22.60				
40	100	0		25.49	25.16	25.61				
40	1	1	QPSK	26.20	25.85	25.94				
40	1	104		26.06	25.76	26.10				
40	50	25		26.05	25.58	26.00				
40	1	0		22.76	22.25	22.47				
40	1	105		22.59	22.00	22.61				
40	100	0		25.06	24.77	25.12				
40	1	1	16-QAM	24.97	24.46	25.01	23.45	0.2213		
40	1	1	64-QAM	23.69	23.09	23.54				
40	1	1	256-QAM	21.62	21.17	21.58				
Limit	EIRP < 1W			Result			Pass			



Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.41	25.29	25.83	24.38	0.2742		
50	1	131		25.43	25.34	25.84				
50	64	32		25.56	25.39	25.94				
50	1	0		21.89	21.74	22.28				
50	1	132		21.88	21.79	22.29				
50	128	0		25.04	24.91	25.38				
50	1	1	QPSK	25.47	25.29	25.85				
50	1	131		25.45	25.35	25.81				
50	64	32		25.55	25.40	25.92				
50	1	0		21.91	21.74	22.33				
50	1	132		21.81	21.80	22.26				
50	128	0		24.49	24.35	24.89				
50	1	1	16-QAM	24.39	24.18	24.68	23.12	0.2051		
50	1	1	64-QAM	22.95	22.78	23.37				
50	1	1	256-QAM	21.01	20.84	21.47				
Limit	EIRP < 1W			Result			Pass			

Part 27O NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.51	25.28	25.37	24.07	0.2553		
60	1	160		25.48	25.26	25.60				
60	81	40		25.51	25.39	25.62				
60	1	0		21.98	21.75	21.83				
60	1	161		21.89	21.75	22.09				
60	162	0		25.03	24.86	25.13				
60	1	1	QPSK	25.52	25.29	25.32				
60	1	160		25.48	25.27	25.63				
60	81	40		25.58	25.37	25.61				
60	1	0		22.21	21.78	21.80				
60	1	161		21.89	21.75	22.06				
60	162	0		24.56	24.35	24.59				
60	1	1	16-QAM	24.43	24.13	24.32	22.87	0.1936		
60	1	1	64-QAM	23.02	22.77	22.88				
60	1	1	256-QAM	21.06	20.63	20.98				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	25.47	25.21	25.27	24.00	0.2512		
70	1	187		25.42	25.23	25.49				
70	90	45		25.54	25.29	25.53				
70	1	0		21.81	21.84	21.85				
70	1	188		21.77	21.67	21.98				
70	180	0		24.92	24.89	24.97				
70	1	1	QPSK	25.42	25.19	25.25				
70	1	187		25.43	25.21	25.50				
70	90	45		25.56	25.30	25.50				
70	1	0		21.83	21.72	21.76				
70	1	188		21.81	21.72	21.96				
70	180	0		24.45	24.41	24.48				
70	1	1	16-QAM	24.35	24.17	24.15	22.79	0.1901		
70	1	1	64-QAM	22.88	22.77	22.68				
70	1	1	256-QAM	20.94	20.85	20.79				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.40	25.25	25.31	24.05	0.2541		
80	1	215		25.37	25.28	25.55				
80	108	54		25.61	25.40	25.61				
80	1	0		21.89	21.70	21.74				
80	1	216		21.80	21.71	22.01				
80	216	0		25.03	24.86	25.06				
80	1	1	QPSK	25.44	25.20	25.30				
80	1	215		25.43	25.25	25.56				
80	108	54		25.60	25.39	25.60				
80	1	0		21.78	21.66	21.79				
80	1	216		21.79	21.70	22.05				
80	216	0		24.54	24.37	24.56				
80	1	1	16-QAM	24.25	24.20	24.37	22.81	0.1910		
80	1	1	64-QAM	22.77	22.77	22.91				
80	1	1	256-QAM	20.97	20.88	20.88				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.41	25.23	25.31	24.10	0.2570		
90	1	243		25.48	25.27	25.66				
90	120	60		25.51	25.30	25.63				
90	1	0		21.66	21.75	21.76				
90	1	244		21.86	21.79	22.10				
90	243	0		25.01	24.85	25.06				
90	1	1	QPSK	25.41	25.26	25.21				
90	1	243		25.51	25.30	25.65				
90	120	60		25.53	25.42	25.64				
90	1	0		21.78	21.74	21.77				
90	1	244		21.88	21.75	22.11				
90	243	0		24.48	24.37	24.58				
90	1	1	16-QAM	24.23	24.17	24.08	22.67	0.1849		
90	1	1	64-QAM	22.73	22.70	22.73				
90	1	1	256-QAM	20.86	20.79	20.88				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	25.95	25.57	25.37	24.39	0.2748		
100	1	271		25.82	25.66	25.89				
100	135	67		25.89	25.67	25.74				
100	1	0		22.35	22.03	21.97				
100	1	272		22.22	22.13	22.46				
100	270	0		25.32	25.15	25.19				
100	1	1	QPSK	25.92	25.51	25.36				
100	1	271		25.78	25.58	25.88				
100	135	67		25.90	25.67	25.75				
100	1	0		22.36	22.04	21.89				
100	1	272		22.21	22.07	22.35				
100	270	0		24.86	24.65	24.74				
100	1	1	16-QAM	24.91	24.46	24.30	23.35	0.2163		
100	1	1	64-QAM	23.38	23.14	22.93				
100	1	1	256-QAM	21.36	21.15	20.95				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.29	25.26	25.26	23.83	0.2415		
10	1	22		25.30	25.35	25.30				
10	12	6		25.35	25.35	25.35				
10	1	0		21.81	21.76	21.72				
10	1	23		21.78	21.82	21.74				
10	24	0		24.82	24.80	24.81				
10	1	1	QPSK	25.28	25.29	25.28				
10	1	22		25.31	25.39	25.29				
10	12	6		25.35	25.35	25.33				
10	1	0		21.85	21.80	21.76				
10	1	23		21.74	21.80	21.69				
10	24	0		24.35	24.42	24.31				
10	1	1	16-QAM	24.17	24.15	24.03	22.61	0.1824		
10	1	1	64-QAM	22.88	22.79	22.77				
10	1	1	256-QAM	20.79	20.78	20.86				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.37	25.32	25.44	23.96	0.2489		
15	1	36		25.36	25.38	25.45				
15	18	9		25.45	25.42	25.52				
15	1	0		21.84	21.80	21.94				
15	1	37		21.84	21.88	21.91				
15	36	0		24.93	24.89	25.00				
15	1	1	QPSK	25.41	25.31	25.48				
15	1	36		25.35	25.38	25.42				
15	18	9		25.43	25.45	25.51				
15	1	0		21.91	21.85	21.93				
15	1	37		21.84	21.90	21.88				
15	36	0		24.41	24.36	24.48				
15	1	1	16-QAM	24.25	24.19	24.38	22.82	0.1914		
15	1	1	64-QAM	23.02	22.83	23.08				
15	1	1	256-QAM	20.96	20.91	20.94				
Limit	EIRP < 1W			Result			Pass			



Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.47	25.36	25.32	23.97	0.2495		
20	1	49		25.39	25.45	25.39				
20	25	12		25.49	25.43	25.53				
20	1	0		21.91	21.87	21.93				
20	1	50		21.90	21.93	21.86				
20	50	0		24.94	24.89	24.98				
20	1	1	QPSK	25.45	25.34	25.28				
20	1	49		25.38	25.41	25.37				
20	25	12		25.46	25.37	25.44				
20	1	0		21.97	21.87	21.93				
20	1	50		21.85	21.94	21.86				
20	50	0		24.44	24.43	24.44				
20	1	1	16-QAM	24.43	24.16	24.21	22.87	0.1936		
20	1	1	64-QAM	23.12	22.81	22.90				
20	1	1	256-QAM	21.07	20.87	20.99				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.41	25.45	25.51	23.95	0.2483
30	1	76		25.37	25.42	25.49		
30	36	18		25.41	25.39	25.41		
30	1	0		21.89	21.93	21.94		
30	1	77		21.84	21.90	21.97		
30	75	0		24.86	24.90	25.02		
30	1	1	QPSK	25.43	25.41	25.49	23.95	0.2483
30	1	76		25.40	25.47	25.51		
30	36	18		25.37	25.39	25.43		
30	1	0		21.97	21.93	22.00		
30	1	77		21.93	21.93	21.96		
30	75	0		24.35	24.39	24.43		
30	1	1	16-QAM	24.14	24.36	24.43	22.87	0.1936
30	1	1	64-QAM	22.98	22.93	23.07		
30	1	1	256-QAM	20.94	21.04	21.05		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.60	25.58	25.51	24.04	0.2535
40	1	104		25.42	25.51	25.52		
40	50	25		25.40	25.39	25.37		
40	1	0		22.08	22.01	21.96		
40	1	105		21.92	21.98	21.96		
40	100	0		24.93	24.93	24.89		
40	1	1	QPSK	25.46	25.44	25.53	24.04	0.2535
40	1	104		25.47	25.52	25.51		
40	50	25		25.39	25.41	25.40		
40	1	0		21.93	22.07	22.02		
40	1	105		21.98	22.00	21.92		
40	100	0		24.41	24.36	24.40		
40	1	1	16-QAM	24.42	24.37	24.36	22.86	0.1932
40	1	1	64-QAM	23.01	22.98	23.09		
40	1	1	256-QAM	21.02	21.09	21.03		
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.21	25.15	25.21	23.73	0.2360		
50	1	131		25.11	25.03	25.14				
50	64	32		25.20	25.21	25.29				
50	1	0		21.65	21.64	21.67				
50	1	132		21.58	21.67	21.65				
50	128	0		24.67	24.70	24.73				
50	1	1	QPSK	25.13	25.17	25.21				
50	1	131		25.04	25.06	25.15				
50	64	32		25.21	25.18	25.28				
50	1	0		21.68	21.67	21.74				
50	1	132		21.62	21.67	21.64				
50	128	0		24.14	24.26	24.20				
50	1	1	16-QAM	24.06	24.05	24.12	22.56	0.1803		
50	1	1	64-QAM	22.73	22.78	22.77				
50	1	1	256-QAM	20.77	20.71	20.85				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.18	25.07	25.07	23.69	0.2339		
60	1	160		25.21	25.25	25.22				
60	81	40		25.25	25.20	25.21				
60	1	0		21.63	21.67	21.59				
60	1	161		21.61	21.74	21.72				
60	162	0		24.69	24.80	24.66				
60	1	1	QPSK	25.14	25.06	25.03				
60	1	160		25.14	25.14	25.15				
60	81	40		25.24	25.18	25.21				
60	1	0		21.67	21.52	21.52				
60	1	161		21.67	21.71	21.67				
60	162	0		24.20	24.13	24.19				
60	1	1	16-QAM	23.94	23.94	23.90	22.38	0.1730		
60	1	1	64-QAM	22.66	22.57	22.55				
60	1	1	256-QAM	20.67	20.62	20.63				
Limit	EIRP < 1W			Result			Pass			



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	25.15	25.17	25.08	23.66	0.2323		
70	1	187		25.12	25.10	25.06				
70	90	45		25.11	25.21	25.21				
70	1	0		21.57	21.65	21.63				
70	1	188		21.59	21.57	21.59				
70	180	0		24.57	24.69	24.67				
70	1	1	QPSK	25.12	25.20	25.05				
70	1	187		25.11	25.10	25.11				
70	90	45		25.09	25.22	25.20				
70	1	0		21.63	21.68	21.54				
70	1	188		21.60	21.56	21.62				
70	180	0		24.08	24.19	24.17				
70	1	1	16-QAM	23.83	24.14	24.00	22.58	0.1811		
70	1	1	64-QAM	22.65	22.80	22.64				
70	1	1	256-QAM	20.63	20.73	20.74				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.12	25.12	25.11	23.74	0.2366		
80	1	215		25.11	25.09	25.19				
80	108	54		25.25	25.24	25.20				
80	1	0		21.58	21.64	21.58				
80	1	216		21.56	21.69	21.61				
80	216	0		24.69	24.69	24.64				
80	1	1	QPSK	25.15	25.17	25.10				
80	1	215		25.13	25.05	25.11				
80	108	54		25.27	25.30	25.17				
80	1	0		21.59	21.73	21.56				
80	1	216		21.56	21.59	21.63				
80	216	0		24.22	24.16	24.13				
80	1	1	16-QAM	23.96	24.02	24.10	22.54	0.1795		
80	1	1	64-QAM	22.53	22.68	22.62				
80	1	1	256-QAM	20.66	20.63	20.66				
Limit	EIRP < 1W			Result			Pass			



Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.04	25.12	25.21	23.72	0.2355		
90	1	243		25.14	25.17	25.12				
90	120	60		25.17	25.22	25.28				
90	1	0		21.63	21.65	21.65				
90	1	244		21.72	21.72	21.68				
90	243	0		24.62	24.61	24.71				
90	1	1	QPSK	25.08	25.07	25.17				
90	1	243		25.16	25.17	25.08				
90	120	60		25.16	25.27	25.27				
90	1	0		21.56	21.58	21.70				
90	1	244		21.65	21.64	21.59				
90	243	0		24.15	24.20	24.20				
90	1	1	16-QAM	23.92	23.95	23.99	22.43	0.1750		
90	1	1	64-QAM	22.62	22.60	22.66				
90	1	1	256-QAM	20.71	20.61	20.67				
Limit	EIRP < 1W			Result			Pass			

Part 27O NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.56 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	24.71	-	23.33	0.2153		
100	1	271		-	24.72	-				
100	135	67		-	24.89	-				
100	1	0		-	21.18	-				
100	1	272		-	21.21	-				
100	270	0		-	24.32	-				
100	1	1	QPSK	-	24.85	-				
100	1	271		-	24.89	-				
100	135	67		-	24.87	-				
100	1	0		-	21.24	-				
100	1	272		-	21.22	-				
100	270	0		-	23.83	-				
100	1	1	16-QAM	-	23.62	-	22.06	0.1607		
100	1	1	64-QAM	-	22.21	-				
100	1	1	256-QAM	-	20.29	-				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.94	25.72	25.30	24.96	0.3133		
10	1	22		25.97	25.61	25.30				
10	12	6		26.00	25.68	25.37				
10	1	0		22.40	22.19	21.76				
10	1	23		22.40	22.06	21.77				
10	24	0		25.52	25.17	24.82				
10	1	1	QPSK	25.88	25.72	25.30				
10	1	22		25.94	25.59	25.29				
10	12	6		25.97	25.68	25.38				
10	1	0		22.47	22.23	21.77				
10	1	23		22.32	22.01	21.76				
10	24	0		25.01	24.69	24.37				
10	1	1	16-QAM	24.75	24.58	24.24	23.71	0.2350		
10	1	1	64-QAM	23.39	23.18	22.77				
10	1	1	256-QAM	21.44	21.17	20.79				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	26.07	25.81	25.42	25.11	0.3243		
15	1	36		25.96	25.68	25.29				
15	18	9		26.15	25.77	25.41				
15	1	0		22.49	22.29	21.85				
15	1	37		22.48	22.10	21.73				
15	36	0		25.64	25.28	24.87				
15	1	1	QPSK	26.10	25.76	25.40				
15	1	36		25.96	25.68	25.34				
15	18	9		26.14	25.78	25.79				
15	1	0		22.48	22.17	21.82				
15	1	37		22.39	22.09	21.76				
15	36	0		25.13	24.79	24.40				
15	1	1	16-QAM	24.95	24.56	24.65	23.91	0.2460		
15	1	1	64-QAM	23.61	23.26	23.30				
15	1	1	256-QAM	21.61	21.28	21.19				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	26.35	25.85	25.31	25.33	0.3412		
20	1	49		26.33	25.71	25.31				
20	25	12		26.37	25.79	25.44				
20	1	0		22.84	22.49	21.88				
20	1	50		22.79	22.23	21.78				
20	50	0		25.87	25.29	24.93				
20	1	1	QPSK	26.27	25.72	25.35				
20	1	49		26.28	25.69	25.36				
20	25	12		26.30	25.77	25.42				
20	1	0		22.80	22.28	21.82				
20	1	50		22.78	22.11	21.78				
20	50	0		25.35	24.81	24.45				
20	1	1	16-QAM	25.43	24.70	24.21	24.39	0.2748		
20	1	1	64-QAM	23.95	23.31	22.83				
20	1	1	256-QAM	21.79	21.32	20.92				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	26.17	25.97	25.61	25.13	0.3258		
30	1	76		25.96	25.65	25.48				
30	36	18		25.99	25.75	25.51				
30	1	0		22.62	22.39	22.13				
30	1	77		22.38	22.06	21.94				
30	75	0		25.52	25.32	25.04				
30	1	1	QPSK	26.13	25.97	25.57				
30	1	76		25.90	25.66	25.46				
30	36	18		25.99	25.78	25.53				
30	1	0		22.61	22.42	22.03				
30	1	77		22.35	22.14	21.93				
30	75	0		25.03	24.79	24.57				
30	1	1	16-QAM	25.20	24.77	24.49	24.16	0.2606		
30	1	1	64-QAM	23.71	23.39	23.17				
30	1	1	256-QAM	21.63	21.34	21.24				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	26.22	26.01	25.75	25.19	0.3304		
40	1	104		25.92	25.62	25.46				
40	50	25		26.10	25.82	25.51				
40	1	0		22.65	22.45	22.21				
40	1	105		22.52	22.13	21.92				
40	100	0		25.60	25.31	25.02				
40	1	1	QPSK	26.23	26.03	25.73				
40	1	104		25.92	25.62	25.46				
40	50	25		26.09	25.80	25.50				
40	1	0		22.72	22.51	22.19				
40	1	105		22.40	22.13	21.93				
40	100	0		25.11	24.82	24.50				
40	1	1	16-QAM	25.03	24.83	24.72	23.99	0.2506		
40	1	1	64-QAM	23.73	23.51	23.32				
40	1	1	256-QAM	21.81	21.56	21.19				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	25.88	25.77	25.48	24.85	0.3055		
50	1	131		25.36	25.27	24.99				
50	64	32		25.76	25.52	25.33				
50	1	0		22.43	22.32	21.99				
50	1	132		21.91	21.70	21.38				
50	128	0		25.23	25.15	24.79				
50	1	1	QPSK	25.89	25.74	25.44				
50	1	131		25.37	25.25	24.94				
50	64	32		25.72	25.57	25.30				
50	1	0		22.35	22.19	21.87				
50	1	132		21.79	21.67	21.35				
50	128	0		24.70	24.65	24.31				
50	1	1	16-QAM	24.76	24.65	24.37	23.72	0.2355		
50	1	1	64-QAM	23.42	23.30	22.97				
50	1	1	256-QAM	21.35	21.30	20.81				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	25.89	26.04	25.86	25	0.3162		
60	1	160		25.41	25.48	25.42				
60	81	40		25.81	25.86	25.72				
60	1	0		22.22	22.25	22.38				
60	1	161		21.83	21.71	21.84				
60	162	0		25.30	25.36	25.21				
60	1	1	QPSK	25.86	25.99	25.85				
60	1	160		25.40	25.44	25.35				
60	81	40		25.82	25.85	25.73				
60	1	0		22.33	22.48	22.38				
60	1	161		21.87	21.94	21.90				
60	162	0		24.74	24.85	24.71				
60	1	1	16-QAM	24.74	24.89	24.71	23.85	0.2427		
60	1	1	64-QAM	23.46	23.64	23.47				
60	1	1	256-QAM	21.40	21.54	21.35				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	26.10	26.02	25.98	25.11	0.3243		
70	1	187		25.58	25.42	25.47				
70	90	45		25.98	25.83	25.82				
70	1	0		22.67	22.58	22.45				
70	1	188		22.05	21.90	21.91				
70	180	0		25.48	25.33	25.32				
70	1	1	QPSK	26.15	26.03	26.02				
70	1	187		25.54	25.45	25.45				
70	90	45		25.86	25.84	25.81				
70	1	0		22.72	22.52	22.50				
70	1	188		22.05	21.90	21.94				
70	180	0		25.03	24.81	24.81				
70	1	1	16-QAM	24.94	24.94	24.82	23.90	0.2455		
70	1	1	64-QAM	23.78	23.63	23.56				
70	1	1	256-QAM	21.71	21.76	21.56				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	26.13	25.99	25.98	25.09	0.3228		
80	1	215		25.48	25.39	25.37				
80	108	54		26.01	25.83	25.81				
80	1	0		22.56	22.59	22.44				
80	1	216		22.03	21.94	21.93				
80	216	0		25.46	25.32	25.28				
80	1	1	QPSK	26.11	25.98	26.00				
80	1	215		25.45	25.45	25.40				
80	108	54		26.02	25.85	25.80				
80	1	0		22.63	22.51	22.49				
80	1	216		22.03	21.97	21.92				
80	216	0		24.99	24.83	24.80				
80	1	1	16-QAM	25.00	24.82	24.84	23.96	0.2489		
80	1	1	64-QAM	23.73	23.58	23.50				
80	1	1	256-QAM	21.69	21.62	21.60				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	26.15	26.01	26.02	25.11	0.3243		
90	1	243		25.51	25.52	25.55				
90	120	60		25.84	25.86	25.94				
90	1	0		22.64	22.50	22.65				
90	1	244		21.95	22.00	21.98				
90	243	0		25.35	25.36	25.41				
90	1	1	QPSK	26.11	26.00	26.01				
90	1	243		25.44	25.50	25.54				
90	120	60		25.84	25.90	25.92				
90	1	0		22.66	22.51	22.48				
90	1	244		21.98	21.99	22.04				
90	243	0		24.83	24.82	24.90				
90	1	1	16-QAM	25.09	24.90	24.89	24.05	0.2541		
90	1	1	64-QAM	23.79	23.70	23.58				
90	1	1	256-QAM	21.62	21.66	21.50				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	26.12	-	25.08	0.3221		
100	1	271		-	25.52	-				
100	135	67		-	25.87	-				
100	1	0		-	22.58	-				
100	1	272		-	22.03	-				
100	270	0		-	25.35	-				
100	1	1	QPSK	-	26.07	-				
100	1	271		-	25.49	-				
100	135	67		-	25.89	-				
100	1	0		-	22.63	-				
100	1	272		-	22.03	-				
100	270	0		-	24.88	-				
100	1	1	16-QAM	-	25.00	-	23.96	0.2489		
100	1	1	64-QAM	-	23.77	-				
100	1	1	256-QAM	-	21.64	-				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	25.31	25.51	25.51	24.52	0.2831		
10	1	22		25.33	25.47	25.50				
10	12	6		25.33	25.54	25.50				
10	1	0		21.75	21.95	21.91				
10	1	23		21.74	21.94	21.86				
10	24	0		24.87	25.03	24.79				
10	1	1	QPSK	25.29	25.44	25.54				
10	1	22		25.27	25.54	25.47				
10	12	6		25.38	25.56	25.56				
10	1	0		21.67	21.84	21.22				
10	1	23		21.67	21.81	21.75				
10	24	0		24.37	24.53	24.34				
10	1	1	16-QAM	24.13	24.48	24.41	23.44	0.2208		
10	1	1	64-QAM	22.57	23.06	23.06				
10	1	1	256-QAM	20.87	21.19	21.10				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	25.40	25.59	25.51	24.68	0.2938		
15	1	36		25.43	25.60	25.47				
15	18	9		25.56	25.68	25.64				
15	1	0		21.84	22.04	21.64				
15	1	37		21.90	21.42	21.29				
15	36	0		24.94	25.19	24.43				
15	1	1	QPSK	25.42	25.53	25.34				
15	1	36		25.52	25.57	25.58				
15	18	9		25.56	25.72	25.59				
15	1	0		21.88	21.94	21.84				
15	1	37		21.89	21.48	21.68				
15	36	0		24.46	24.61	24.62				
15	1	1	16-QAM	24.25	24.40	24.34	23.36	0.2168		
15	1	1	64-QAM	22.96	22.93	22.95				
15	1	1	256-QAM	20.77	21.04	21.07				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	25.38	25.52	24.86	24.59	0.2877		
20	1	49		25.49	25.52	24.87				
20	25	12		25.57	25.63	24.96				
20	1	0		21.70	21.97	21.41				
20	1	50		21.52	21.97	21.27				
20	50	0		24.52	25.17	24.46				
20	1	1	QPSK	25.43	25.49	24.87				
20	1	49		25.57	25.43	25.50				
20	25	12		25.54	25.62	25.48				
20	1	0		21.97	21.90	21.23				
20	1	50		22.07	21.95	21.25				
20	50	0		24.53	24.61	23.97				
20	1	1	16-QAM	24.37	24.38	24.44	23.4	0.2188		
20	1	1	64-QAM	22.99	22.95	23.04				
20	1	1	256-QAM	20.83	21.00	20.94				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	25.52	25.15	25.03	24.52	0.2831		
30	1	76		25.56	25.02	24.98				
30	36	18		25.53	25.10	25.06				
30	1	0		21.95	21.56	21.50				
30	1	77		21.96	21.44	21.43				
30	75	0		24.83	24.61	24.60				
30	1	1	QPSK	25.04	25.17	25.12				
30	1	76		25.06	25.05	25.04				
30	36	18		25.10	25.09	25.03				
30	1	0		21.81	21.53	21.49				
30	1	77		21.53	21.41	21.42				
30	75	0		24.04	24.10	24.03				
30	1	1	16-QAM	23.98	23.89	23.87	22.94	0.1968		
30	1	1	64-QAM	22.55	22.62	22.40				
30	1	1	256-QAM	20.60	20.68	20.59				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	25.10	25.73	25.64	24.73	0.2972		
40	1	104		25.13	25.62	25.45				
40	50	25		25.62	25.66	25.58				
40	1	0		21.57	22.07	22.18				
40	1	105		21.55	22.03	21.88				
40	100	0		24.60	25.13	25.06				
40	1	1	QPSK	25.63	25.70	25.62				
40	1	104		25.77	25.62	25.55				
40	50	25		25.63	25.69	25.55				
40	1	0		21.97	22.15	21.44				
40	1	105		22.10	22.00	21.28				
40	100	0		24.69	24.60	24.57				
40	1	1	16-QAM	24.44	24.55	24.52	23.51	0.2244		
40	1	1	64-QAM	23.13	23.22	23.02				
40	1	1	256-QAM	21.05	21.17	21.05				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	24.64	24.64	24.70	24.20	0.2630		
50	1	131		24.69	24.67	24.40				
50	64	32		24.76	24.84	24.70				
50	1	0		21.62	21.19	21.22				
50	1	132		21.06	21.05	20.89				
50	128	0		24.29	24.32	24.17				
50	1	1	QPSK	25.14	24.71	24.75				
50	1	131		25.24	24.70	24.45				
50	64	32		24.75	24.85	24.66				
50	1	0		20.99	21.13	21.10				
50	1	132		20.98	21.03	20.79				
50	128	0		24.20	23.79	23.63				
50	1	1	16-QAM	23.43	23.57	23.57	22.53	0.1791		
50	1	1	64-QAM	22.11	22.21	22.27				
50	1	1	256-QAM	20.10	20.29	20.26				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	24.82	24.67	24.74	24.36	0.2729		
60	1	160		24.81	24.59	24.44				
60	81	40		24.81	24.83	24.73				
60	1	0		21.23	21.48	21.18				
60	1	161		21.21	21.05	20.85				
60	162	0		24.41	24.30	24.19				
60	1	1	QPSK	24.70	24.70	25.25				
60	1	160		24.78	24.58	25.21				
60	81	40		24.80	24.83	25.40				
60	1	0		21.17	21.21	21.10				
60	1	161		21.23	20.99	20.88				
60	162	0		23.90	23.79	23.73				
60	1	1	16-QAM	23.51	23.60	24.16	23.12	0.2051		
60	1	1	64-QAM	22.23	22.30	22.89				
60	1	1	256-QAM	20.10	20.04	20.89				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	25.18	24.82	24.81	24.39	0.2748		
70	1	187		25.14	24.63	24.63				
70	90	45		25.35	24.82	24.83				
70	1	0		21.75	21.76	21.79				
70	1	188		21.59	21.56	21.01				
70	180	0		24.63	24.26	24.30				
70	1	1	QPSK	25.20	24.79	25.43				
70	1	187		25.21	24.57	25.25				
70	90	45		25.30	24.80	25.39				
70	1	0		21.72	21.24	21.24				
70	1	188		21.55	21.00	21.01				
70	180	0		23.73	23.74	23.76				
70	1	1	16-QAM	24.17	23.66	24.32	23.28	0.2128		
70	1	1	64-QAM	22.75	22.33	23.07				
70	1	1	256-QAM	20.75	20.26	20.92				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.26	24.72	24.76	24.40	0.2754		
80	1	215		25.22	24.57	24.57				
80	108	54		25.44	24.82	24.76				
80	1	0		21.61	21.11	21.16				
80	1	216		21.61	20.89	20.97				
80	216	0		24.69	24.23	24.21				
80	1	1	QPSK	24.73	24.71	24.74				
80	1	215		24.61	24.53	24.48				
80	108	54		24.81	24.79	24.77				
80	1	0		21.08	21.12	21.25				
80	1	216		20.97	20.95	20.98				
80	216	0		23.73	23.71	23.71				
80	1	1	16-QAM	23.58	23.58	23.56	22.54	0.1795		
80	1	1	64-QAM	22.24	22.25	22.33				
80	1	1	256-QAM	20.10	20.14	20.21				
Limit	EIRP < 1W			Result			Pass			



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.18	25.27	25.34	24.53	0.2838		
90	1	243		25.18	25.27	25.21				
90	120	60		25.32	24.96	25.02				
90	1	0		21.61	21.62	21.30				
90	1	244		21.73	21.59	21.15				
90	243	0		24.77	24.47	24.43				
90	1	1	QPSK	25.32	25.29	25.26				
90	1	243		25.21	25.29	25.30				
90	120	60		25.38	25.00	25.57				
90	1	0		21.66	21.31	21.28				
90	1	244		21.67	21.07	21.20				
90	243	0		24.29	23.93	23.93				
90	1	1	16-QAM	24.21	24.20	24.27	23.23	0.2104		
90	1	1	64-QAM	22.67	22.84	22.87				
90	1	1	256-QAM	20.75	20.83	20.86				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = -1.04 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	25.21	-	24.17	0.2612		
100	1	271		-	25.00	-				
100	135	67		-	24.94	-				
100	1	0		-	21.73	-				
100	1	272		-	21.88	-				
100	270	0		-	24.90	-				
100	1	1	QPSK	-	24.79	-				
100	1	271		-	24.70	-				
100	135	67		-	24.92	-				
100	1	0		-	21.20	-				
100	1	272		-	21.16	-				
100	270	0		-	23.83	-				
100	1	1	16-QAM	-	23.62	-	22.58	0.1811		
100	1	1	64-QAM	-	22.34	-				
100	1	1	256-QAM	-	20.29	-				
Limit	EIRP < 1W			Result			Pass			



Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
5	1	1	PI/2 BPSK	24.23	24.21	24.21	21.43	0.1390		
5	1	23		24.23	24.22	24.15				
5	12	6		24.34	24.30	24.24				
5	1	0		23.97	23.79	23.76				
5	1	24		23.84	23.76	23.72				
5	25	0		23.85	23.76	23.71				
5	1	1	QPSK	24.35	24.36	24.30				
5	1	23		24.33	24.34	24.08				
5	12	6		24.33	24.28	24.23				
5	1	0		23.37	23.28	23.25				
5	1	24		23.22	23.20	23.00				
5	25	0		23.26	23.27	23.25				
5	1	1	16-QAM	23.25	23.28	23.24	20.35	0.1084		
5	1	1	64-QAM	22.11	21.99	21.91				
5	1	1	256-QAM	19.34	19.31	19.29				
Limit	ERP < 100W			Result			Pass			

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
10	1	1	PI/2 BPSK	-	24.44	-	21.51	0.1416		
10	1	50		-	24.17	-				
10	25	12		-	24.26	-				
10	1	0		-	23.86	-				
10	1	51		-	23.56	-				
10	50	0		-	23.81	-				
10	1	1	QPSK	-	24.42	-				
10	1	50		-	24.21	-				
10	25	12		-	24.28	-				
10	1	0		-	23.41	-				
10	1	51		-	23.16	-				
10	50	0		-	23.30	-				
10	1	1	16-QAM	-	23.35	-	20.42	0.1102		
10	1	1	64-QAM	-	22.22	-				
10	1	1	256-QAM	-	19.21	-				
Limit	ERP < 100W			Result			Pass			



NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
5	1	1	PI/2 BPSK	-	24.19	-	21.30	0.1349		
5	1	23		-	24.12	-				
5	12	6		-	24.09	-				
5	1	0		-	23.65	-				
5	1	24		-	23.58	-				
5	25	0		-	23.65	-				
5	1	1	QPSK	-	24.23	-				
5	1	23		-	24.14	-				
5	12	6		-	24.12	-				
5	1	0		-	23.19	-				
5	1	24		-	23.10	-				
5	25	0		-	23.09	-				
5	1	1	16-QAM	-	23.20	-	20.27	0.1064		
5	1	1	64-QAM	-	21.89	-				
5	1	1	256-QAM	-	19.24	-				
Limit	EIRP < 7W			Result			Pass			

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
10	1	1	PI/2 BPSK	-	24.29	-	21.36	0.1368		
10	1	50		-	23.99	-				
10	25	12		-	24.08	-				
10	1	0		-	23.74	-				
10	1	51		-	23.54	-				
10	50	0		-	23.61	-				
10	1	1	QPSK	-	24.24	-				
10	1	50		-	24.03	-				
10	25	12		-	24.14	-				
10	1	0		-	23.27	-				
10	1	51		-	22.98	-				
10	50	0		-	23.25	-				
10	1	1	16-QAM	-	23.32	-	20.39	0.1094		
10	1	1	64-QAM	-	21.75	-				
10	1	1	256-QAM	-	19.24	-				
Limit	EIRP < 7W			Result			Pass			



NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
15	1	1	PI/2 BPSK	-	24.31	-	21.42	0.1387		
15	1	77		-	24.15	-				
15	36	18		-	24.15	-				
15	1	0		-	23.87	-				
15	1	78		-	23.60	-				
15	75	0		-	23.66	-				
15	1	1	QPSK	-	24.35	-				
15	1	77		-	24.16	-				
15	36	18		-	24.20	-				
15	1	0		-	23.41	-				
15	1	78		-	23.16	-				
15	75	0		-	23.18	-				
15	1	1	16-QAM	-	23.26	-	20.33	0.1079		
15	1	1	64-QAM	-	22.03	-				
15	1	1	256-QAM	-	19.29	-				
Limit	EIRP < 7W			Result			Pass			

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.78 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP		
20	1	1	PI/2 BPSK	-	24.46	-	21.69	0.1476		
20	1	104		-	24.08	-				
20	50	25		-	24.27	-				
20	1	0		-	23.92	-				
20	1	105		-	23.59	-				
20	100	0		-	23.74	-				
20	1	1	QPSK	-	24.62	-				
20	1	104		-	24.19	-				
20	50	25		-	24.26	-				
20	1	0		-	23.08	-				
20	1	105		-	23.45	-				
20	100	0		-	23.31	-				
20	1	1	16-QAM	-	23.41	-	20.48	0.1117		
20	1	1	64-QAM	-	22.71	-				
20	1	1	256-QAM	-	19.48	-				
Limit	EIRP < 7W			Result			Pass			



<MIMO Mode>

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.54	21.61	22.14	22.12	22.40	21.92	24.85	25.03	25.04	23.65	0.2317
10	1	22		21.67	21.57	22.21	22.16	22.39	22.19	24.93	25.01	25.21		
10	12	6		21.51	21.62	22.18	22.25	22.35	22.11	24.91	25.01	25.16		
10	1	0		19.49	19.60	20.24	20.24	20.38	19.94	22.89	23.02	23.10		
10	1	23		19.59	19.57	20.26	20.23	20.38	20.12	22.93	23.00	23.20		
10	24	0		20.06	20.15	20.67	20.77	20.88	20.60	23.44	23.54	23.65		
10	1	1	16-QAM	21.10	21.31	21.61	21.52	21.84	21.44	24.33	24.59	24.54	23.03	0.2009
10	1	1	64-QAM	19.39	19.49	20.14	20.15	20.37	19.82	22.80	22.96	22.99		
10	1	1	256-QAM	16.41	16.51	17.19	17.30	17.45	16.94	19.89	20.02	20.08		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	22.00	21.88	22.26	22.13	22.44	22.09	25.08	25.18	25.19	23.79	0.2393
15	1	36		22.12	21.79	22.49	22.42	22.58	22.18	25.28	25.21	25.35		
15	19	9		21.66	21.89	22.38	22.23	22.42	22.18	24.96	25.17	25.29		
15	1	0		19.99	19.70	20.36	20.23	20.37	20.16	23.12	23.06	23.27		
15	1	37		20.11	19.88	20.44	20.24	20.45	20.22	23.19	23.18	23.34		
15	38	0		20.13	20.44	20.93	20.84	20.99	20.74	23.51	23.73	23.85		
15	1	1	16-QAM	21.12	21.33	21.69	21.81	21.90	21.64	24.49	24.63	24.68	23.12	0.2051
15	1	1	64-QAM	19.64	19.57	20.32	20.06	20.46	20.07	22.87	23.05	23.21		
15	1	1	256-QAM	17.16	16.59	17.12	17.11	17.51	17.32	20.15	20.08	20.23		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	22.11	21.71	22.19	22.48	22.41	22.05	25.31	25.08	25.13	23.75	0.2371
20	1	49		22.06	21.68	22.40	22.32	22.26	22.17	25.20	24.99	25.30		
20	25	12		22.05	21.67	22.20	22.30	22.52	22.17	25.19	25.13	25.20		
20	1	0		19.69	19.72	20.14	20.51	20.70	20.06	23.13	23.25	23.11		
20	1	50		19.76	19.85	20.30	20.25	20.13	20.14	23.02	23.00	23.23		
20	51	0		20.18	20.22	20.71	20.83	20.91	20.64	23.53	23.59	23.69		
20	1	1	16-QAM	21.64	21.12	21.68	22.08	21.99	21.55	24.88	24.59	24.63	23.32	0.2148
20	1	1	64-QAM	20.18	19.60	20.18	20.17	20.25	19.91	23.19	22.95	23.06		
20	1	1	256-QAM	17.30	16.76	17.29	17.28	17.34	16.97	20.30	20.07	20.14		
Limit	EIRP < 1W			Result									Pass	



FCC RADIO TEST REPORT

Report No. : FG4O2228C

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.91	21.67	22.39	22.28	22.53	22.31	25.11	25.13	25.36	23.86	0.2432
30	1	76		22.09	21.67	22.49	22.28	22.56	22.33	25.20	25.15	25.42		
30	39	19		22.04	21.68	22.31	22.23	22.41	22.26	25.15	25.07	25.30		
30	1	0		19.60	20.07	20.37	20.29	20.39	20.36	22.97	23.24	23.38		
30	1	77		19.74	19.84	20.45	20.46	20.47	20.28	23.13	23.18	23.38		
30	78	0		20.12	20.21	20.85	20.82	20.96	20.79	23.49	23.61	23.83		
30	1	1	16-QAM	21.74	21.25	22.01	21.74	21.94	21.81	24.75	24.62	24.92	23.36	0.2168
30	1	1	64-QAM	19.80	19.53	20.15	20.29	20.55	20.33	23.06	23.08	23.25		
30	1	1	256-QAM	16.98	17.28	17.48	17.14	17.27	17.23	20.07	20.29	20.37		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	22.40	21.99	22.32	22.58	22.55	22.23	25.50	25.29	25.29	23.94	0.2477
40	1	104		22.01	21.78	22.51	22.55	22.42	22.27	25.30	25.12	25.40		
40	53	26		22.06	21.64	22.14	22.34	22.41	22.15	25.21	25.05	25.16		
40	1	0		20.20	20.04	20.41	20.54	20.49	20.17	23.38	23.28	23.30		
40	1	105		20.15	19.90	20.43	20.54	20.39	20.21	23.36	23.16	23.33		
40	106	0		20.60	20.19	20.76	20.86	20.92	20.64	23.74	23.58	23.71		
40	1	1	16-QAM	21.84	21.49	21.79	22.02	22.22	21.95	24.94	24.88	24.88	23.38	0.2178
40	1	1	64-QAM	20.08	19.82	20.28	20.52	20.46	20.13	23.32	23.16	23.22		
40	1	1	256-QAM	16.86	17.12	17.37	17.60	17.41	17.10	20.26	20.28	20.25		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.51	21.58	22.19	21.98	22.13	21.99	24.76	24.87	25.10	23.59	0.2286
50	1	131		21.59	21.49	22.26	22.14	22.27	22.02	24.88	24.91	25.15		
50	67	33		21.54	21.53	22.05	22.07	22.29	22.05	24.82	24.94	25.06		
50	1	0		19.44	19.57	20.16	20.12	20.21	19.99	22.80	22.91	23.09		
50	1	132		19.57	19.56	20.18	20.19	20.32	19.98	22.90	22.97	23.09		
50	133	0		20.06	20.01	20.55	20.57	20.72	20.50	23.33	23.39	23.54		
50	1	1	16-QAM	20.83	20.94	21.62	21.50	21.62	21.49	24.19	24.30	24.57	23.01	0.2000
50	1	1	64-QAM	19.31	19.23	19.90	19.84	20.02	20.08	22.59	22.65	23.00		
50	1	1	256-QAM	16.52	16.50	17.25	17.03	17.18	17.22	19.79	19.86	20.25		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.93	21.44	21.55	22.15	22.30	21.82	25.05	24.90	24.70	23.49	0.2234
60	1	160		21.97	21.46	21.83	22.08	22.05	21.66	25.04	24.78	24.76		
60	81	40		21.90	21.47	21.69	22.11	22.18	21.84	25.02	24.85	24.78		
60	1	0		19.92	19.41	19.58	20.08	20.19	19.76	23.01	22.83	22.68		
60	1	161		19.85	19.37	19.78	20.15	20.08	19.62	23.01	22.75	22.71		
60	162	0		20.46	20.00	20.18	20.57	20.70	20.26	23.53	23.37	23.23		
60	1	1	16-QAM	21.38	21.08	20.98	21.66	21.65	21.47	24.53	24.38	24.24	22.97	0.1982
60	1	1	64-QAM	19.83	19.23	19.57	20.00	20.22	19.64	22.93	22.76	22.62		
60	1	1	256-QAM	16.95	16.52	16.58	16.98	17.24	16.74	19.98	19.91	19.67		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.79	21.68	21.56	22.03	22.41	21.75	24.92	25.07	24.67	23.51	0.2244
70	1	187		21.72	21.40	21.96	22.37	22.14	21.65	25.07	24.80	24.82		
70	95	47		21.92	21.75	21.69	22.16	22.03	21.73	25.05	24.90	24.72		
70	1	0		19.89	19.65	19.51	20.15	20.25	19.74	23.03	22.97	22.64		
70	1	188		19.73	19.47	19.68	20.04	19.86	19.43	22.90	22.68	22.57		
70	189	0		20.38	20.17	20.17	20.57	20.51	20.14	23.49	23.35	23.17		
70	1	1	16-QAM	21.47	21.46	21.01	21.48	21.63	21.01	24.49	24.56	24.02	23.00	0.1995
70	1	1	64-QAM	19.74	19.53	19.53	19.97	20.21	19.64	22.87	22.89	22.60		
70	1	1	256-QAM	16.76	16.62	16.35	17.23	17.07	16.78	20.01	19.86	19.58		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.82	21.67	21.80	21.91	22.16	21.65	24.88	24.93	24.74	23.55	0.2265
80	1	215		22.02	21.48	22.05	21.91	21.91	21.39	24.98	24.71	24.74		
80	109	54		22.00	21.73	21.72	22.19	22.07	21.72	25.11	24.91	24.73		
80	1	0		19.88	19.70	19.68	20.03	20.10	19.80	22.97	22.91	22.75		
80	1	216		19.81	19.42	19.93	19.87	20.05	19.35	22.85	22.76	22.66		
80	217	0		20.37	20.19	20.23	20.61	20.48	20.18	23.50	23.35	23.22		
80	1	1	16-QAM	21.33	21.40	21.06	21.68	21.51	21.40	24.52	24.47	24.24	22.96	0.1977
80	1	1	64-QAM	19.86	19.38	19.55	19.94	20.17	19.69	22.91	22.80	22.63		
80	1	1	256-QAM	16.61	16.58	16.65	17.18	17.21	16.78	19.91	19.92	19.73		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.98	21.86	21.70	21.90	22.09	21.89	24.95	24.99	24.81	23.43	0.2203
90	1	243		21.80	21.75	22.02	22.06	21.81	21.55	24.94	24.79	24.80		
90	123	61		21.83	21.76	21.76	22.10	22.02	21.81	24.98	24.90	24.80		
90	1	0		20.06	19.86	19.71	20.02	19.89	19.84	23.05	22.89	22.79		
90	1	244		20.15	19.52	19.91	20.09	19.74	19.40	23.13	22.64	22.67		
90	245	0		20.37	20.14	20.29	20.54	20.63	20.24	23.47	23.40	23.28		
90	1	1	16-QAM	21.34	21.18	21.16	21.51	21.70	21.58	24.44	24.46	24.39	22.90	0.1950
90	1	1	64-QAM	19.97	19.63	19.69	20.00	19.94	19.71	23.00	22.80	22.71		
90	1	1	256-QAM	16.64	16.72	16.64	17.13	17.07	16.74	19.90	19.91	19.70		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.87	21.62	21.43	22.01	22.17	22.03	24.95	24.91	24.75	23.50	0.2239
100	1	271		21.88	21.72	21.70	22.04	22.09	21.67	24.97	24.92	24.70		
100	137	68		21.91	21.66	21.67	22.19	22.13	21.74	25.06	24.91	24.72		
100	1	0		19.98	19.71	19.46	20.00	20.15	19.93	23.00	22.95	22.71		
100	1	272		19.84	19.65	19.80	20.14	20.03	19.59	23.00	22.85	22.71		
100	273	0		20.42	20.16	20.14	20.57	20.56	20.18	23.51	23.37	23.17		
100	1	1	16-QAM	21.40	21.37	21.11	21.74	21.63	21.35	24.58	24.51	24.24	23.02	0.2004
100	1	1	64-QAM	19.97	19.60	19.42	20.07	20.02	19.89	23.03	22.83	22.67		
100	1	1	256-QAM	16.99	16.59	16.46	17.00	17.08	16.85	20.01	19.85	19.67		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.05	20.88	20.88	21.24	21.19	21.40	24.16	24.05	24.16	22.67	0.1849
10	1	22		21.08	20.95	20.92	21.28	21.35	21.39	24.19	24.16	24.17		
10	12	6		21.10	20.93	20.96	21.34	21.41	21.44	24.23	24.19	24.22		
10	1	0		19.02	18.87	18.94	19.28	19.31	19.38	22.16	22.11	22.18		
10	1	23		19.04	18.96	18.80	19.30	19.25	19.32	22.18	22.12	22.08		
10	24	0		19.66	19.46	19.47	19.86	19.82	19.94	22.77	22.65	22.72		
10	1	1	16-QAM	20.46	20.29	20.35	20.67	20.63	20.80	23.58	23.47	23.59	22.03	0.1596
10	1	1	64-QAM	19.10	18.96	19.06	19.27	19.19	19.39	22.20	22.09	22.24		
10	1	1	256-QAM	16.07	16.00	15.97	16.35	16.21	16.47	19.22	19.12	19.24		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.01	20.97	20.92	21.32	21.29	21.44	24.18	24.14	24.20	22.77	0.1892
15	1	36		21.14	21.00	20.96	21.44	21.47	21.44	24.30	24.25	24.22		
15	19	9		21.16	21.00	20.94	21.47	21.36	21.52	24.33	24.19	24.25		
15	1	0		19.04	18.84	18.91	19.34	19.12	19.35	22.20	21.99	22.15		
15	1	37		19.08	18.97	18.96	19.42	19.47	19.33	22.26	22.24	22.16		
15	38	0		19.67	19.45	19.42	19.91	19.85	19.95	22.80	22.66	22.70		
15	1	1	16-QAM	20.36	20.38	20.27	20.60	20.62	20.84	23.49	23.51	23.57	22.01	0.1589
15	1	1	64-QAM	19.03	18.89	18.95	19.28	19.40	19.47	22.17	22.16	22.23		
15	1	1	256-QAM	15.88	16.09	15.99	16.27	16.27	16.45	19.09	19.19	19.24		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.00	20.95	20.95	21.33	21.36	21.49	24.18	24.17	24.24	22.72	0.1871
20	1	49		21.17	20.95	20.95	21.36	21.52	21.43	24.28	24.25	24.21		
20	25	12		21.06	21.10	20.96	21.44	21.35	21.46	24.26	24.24	24.23		
20	1	0		19.02	19.00	18.98	19.26	19.22	19.48	22.15	22.12	22.25		
20	1	50		19.09	19.05	18.98	19.33	19.46	19.37	22.22	22.27	22.19		
20	51	0		19.61	19.53	19.56	19.91	19.81	20.02	22.77	22.68	22.81		
20	1	1	16-QAM	20.33	20.42	20.32	20.57	20.74	20.88	23.46	23.59	23.62	22.06	0.1607
20	1	1	64-QAM	18.98	18.91	18.97	19.27	19.45	19.40	22.14	22.20	22.20		
20	1	1	256-QAM	15.92	16.15	15.93	16.51	16.36	16.59	19.24	19.27	19.28		
Limit	EIRP < 1W			Result									Pass	



FCC RADIO TEST REPORT

Report No. : FG4O2228C

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.07	21.11	21.04	21.34	21.40	21.50	24.22	24.27	24.29	22.88	0.1941
30	1	76		21.20	21.13	20.92	21.51	21.71	21.66	24.37	24.44	24.32		
30	39	19		21.12	20.97	20.99	21.41	21.40	21.49	24.28	24.20	24.26		
30	1	0		19.18	19.11	18.99	19.39	19.42	19.51	22.30	22.28	22.27		
30	1	77		19.10	19.12	18.92	19.42	19.56	19.47	22.27	22.36	22.21		
30	78	0		19.64	19.53	19.50	19.91	19.86	19.94	22.79	22.71	22.74		
30	1	1	16-QAM	20.44	20.37	20.53	20.65	20.85	20.83	23.56	23.63	23.69	22.13	0.1633
30	1	1	64-QAM	19.07	18.98	19.04	19.37	19.46	19.53	22.23	22.24	22.30		
30	1	1	256-QAM	16.06	16.05	16.21	16.51	16.56	16.54	19.30	19.32	19.39		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	21.11	21.08	21.10	21.35	21.42	21.50	24.24	24.26	24.31	22.92	0.1959
40	1	104		21.23	21.28	21.09	21.36	21.65	21.55	24.31	24.48	24.34		
40	53	26		21.12	21.00	21.13	21.39	21.38	21.46	24.27	24.20	24.31		
40	1	0		19.12	19.12	19.11	19.47	19.53	19.52	22.31	22.34	22.33		
40	1	105		19.20	19.26	19.02	19.45	19.66	19.50	22.34	22.47	22.28		
40	106	0		19.62	19.57	19.60	19.95	19.88	19.98	22.80	22.74	22.80		
40	1	1	16-QAM	20.52	20.51	20.40	20.71	20.80	20.85	23.63	23.67	23.64	22.11	0.1626
40	1	1	64-QAM	19.21	19.06	19.14	19.38	19.59	19.50	22.31	22.34	22.33		
40	1	1	256-QAM	16.18	16.21	16.07	16.56	16.44	16.56	19.38	19.34	19.33		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	20.82	20.80	20.51	21.16	21.08	20.95	24.00	23.95	23.75	22.57	0.1807
50	1	131		20.71	20.89	20.68	20.98	21.33	21.13	23.86	24.13	23.92		
50	67	33		20.90	20.83	20.78	21.22	21.15	21.22	24.07	24.00	24.02		
50	1	0		18.87	18.85	18.64	19.08	19.20	18.88	21.99	22.04	21.77		
50	1	132		18.74	18.89	18.76	18.97	19.24	19.05	21.87	22.08	21.92		
50	133	0		19.37	19.30	19.32	19.75	19.78	19.72	22.57	22.56	22.53		
50	1	1	16-QAM	20.22	20.30	20.10	20.48	20.63	20.51	23.36	23.48	23.32	21.92	0.1556
50	1	1	64-QAM	18.87	18.92	18.60	19.14	19.05	19.28	22.02	22.00	21.96		
50	1	1	256-QAM	15.84	15.86	15.63	16.29	16.24	16.20	19.08	19.06	18.93		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	20.58	20.56	20.59	21.04	21.35	21.03	23.83	23.98	23.83	22.64	0.1837
60	1	160		20.74	20.92	20.77	21.32	21.45	21.16	24.05	24.20	23.98		
60	81	40		20.79	20.68	20.89	21.25	21.22	21.31	24.04	23.97	24.12		
60	1	0		18.50	18.64	18.42	19.11	19.24	19.14	21.83	21.96	21.81		
60	1	161		18.70	18.83	18.60	19.19	19.33	19.18	21.96	22.10	21.91		
60	162	0		19.21	19.18	19.35	19.70	19.79	19.82	22.47	22.51	22.60		
60	1	1	16-QAM	20.26	19.85	19.97	20.65	20.50	20.41	23.47	23.20	23.21	21.91	0.1552
60	1	1	64-QAM	18.38	18.49	18.68	19.03	19.28	19.17	21.73	21.91	21.94		
60	1	1	256-QAM	15.64	15.60	15.72	16.10	16.35	16.20	18.89	19.00	18.98		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	20.75	21.04	20.90	21.14	21.15	21.16	23.96	24.11	24.04	22.64	0.1837
70	1	187		20.81	20.95	20.88	21.53	21.26	21.46	24.20	24.12	24.19		
70	95	47		21.01	20.92	20.98	21.29	21.32	21.37	24.16	24.13	24.19		
70	1	0		18.77	18.78	18.88	19.17	19.20	19.04	21.98	22.01	21.97		
70	1	188		18.79	18.84	18.68	19.26	19.30	19.21	22.04	22.09	21.96		
70	189	0		19.38	19.39	19.44	19.72	19.72	19.78	22.56	22.57	22.62		
70	1	1	16-QAM	20.02	20.15	20.13	20.58	20.57	20.73	23.32	23.38	23.45	21.89	0.1545
70	1	1	64-QAM	18.90	18.93	18.83	19.11	19.16	19.16	22.02	22.06	22.01		
70	1	1	256-QAM	15.72	15.82	15.82	16.38	16.33	16.17	19.07	19.09	19.01		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	20.80	20.70	20.88	21.51	21.11	21.21	24.18	23.92	24.06	22.66	0.1845
80	1	215		20.91	20.95	20.80	21.41	21.29	21.32	24.18	24.13	24.08		
80	109	54		20.85	20.98	20.99	21.34	21.43	21.30	24.11	24.22	24.16		
80	1	0		18.72	18.79	18.84	19.21	19.34	19.23	21.98	22.08	22.05		
80	1	216		18.90	18.87	18.70	19.31	19.44	19.13	22.12	22.17	21.93		
80	217	0		19.44	19.44	19.41	19.84	19.85	19.82	22.65	22.66	22.63		
80	1	1	16-QAM	20.16	20.25	20.12	20.53	20.36	20.57	23.36	23.32	23.36	21.80	0.1514
80	1	1	64-QAM	18.65	18.86	18.99	19.33	19.39	19.25	22.01	22.14	22.13		
80	1	1	256-QAM	15.87	15.63	15.94	16.33	16.26	16.39	19.12	18.97	19.18		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	20.79	20.85	20.71	21.24	21.23	21.28	24.03	24.05	24.01	22.77	0.1892
90	1	243		21.03	21.03	20.88	21.39	21.59	21.44	24.22	24.33	24.18		
90	123	61		20.92	20.86	21.00	21.28	21.33	21.29	24.11	24.11	24.16		
90	1	0		18.74	18.71	18.76	19.30	19.20	19.19	22.04	21.97	21.99		
90	1	244		18.92	18.88	18.87	19.27	19.46	19.37	22.11	22.19	22.14		
90	245	0		19.44	19.43	19.47	19.87	19.67	19.86	22.67	22.56	22.68		
90	1	1	16-QAM	20.17	20.03	20.23	20.58	20.52	20.55	23.39	23.29	23.40	21.84	0.1528
90	1	1	64-QAM	18.74	18.79	18.85	19.32	19.34	19.26	22.05	22.08	22.07		
90	1	1	256-QAM	15.93	15.79	15.70	16.22	16.03	16.22	19.09	18.92	18.98		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 HPUE Maximum Average Power [dBm], DG = -1.56 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	-	21.05	-	-	21.15	-	-	24.11	-	22.65	0.1841
100	1	271		-	21.06	-	-	21.32	-	-	24.20	-		
100	137	68		-	20.94	-	-	21.44	-	-	24.21	-		
100	1	0		-	18.80	-	-	19.12	-	-	21.97	-		
100	1	272		-	18.93	-	-	19.40	-	-	22.18	-		
100	273	0		-	19.42	-	-	19.91	-	-	22.68	-		
100	1	1	16-QAM	-	20.24	-	-	20.47	-	-	23.37	-	21.81	0.1517
100	1	1	64-QAM	-	18.99	-	-	19.29	-	-	22.15	-		
100	1	1	256-QAM	-	15.74	-	-	16.37	-	-	19.08	-		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.70	21.30	21.13	22.13	22.03	22.06	24.93	24.69	24.63	24.08	0.2559
10	1	22		21.88	21.47	21.20	22.32	21.99	22.03	25.12	24.75	24.65		
10	12	6		21.58	21.47	21.10	22.20	22.08	22.02	24.91	24.80	24.59		
10	1	0		19.75	19.55	19.24	20.23	20.26	20.08	23.01	22.93	22.69		
10	1	23		19.62	19.41	19.10	20.18	20.20	20.13	22.92	22.83	22.66		
10	24	0		20.22	20.03	19.69	20.78	20.67	20.59	23.52	23.37	23.17		
10	1	1	16-QAM	21.13	20.92	20.85	21.70	21.53	21.47	24.43	24.25	24.18	23.39	0.2183
10	1	1	64-QAM	19.88	19.41	19.09	20.25	20.12	19.94	23.08	22.79	22.55		
10	1	1	256-QAM	16.86	16.35	16.34	17.11	17.22	16.89	20.00	19.82	19.63		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.96	21.55	21.30	22.32	22.11	21.94	25.15	24.85	24.64	24.11	0.2576
15	1	36		21.86	21.60	21.30	22.22	22.23	22.14	25.05	24.94	24.75		
15	19	9		21.71	21.54	21.18	22.35	22.19	22.00	25.05	24.89	24.62		
15	1	0		19.77	19.60	19.41	20.42	20.21	20.08	23.12	22.93	22.77		
15	1	37		19.73	19.60	19.37	20.28	20.28	19.91	23.02	22.96	22.66		
15	38	0		20.24	20.03	19.73	20.91	20.70	20.48	23.60	23.39	23.13		
15	1	1	16-QAM	21.22	21.28	20.83	22.03	21.67	21.57	24.65	24.49	24.23	23.61	0.2296
15	1	1	64-QAM	19.80	19.56	19.33	20.34	20.18	19.85	23.09	22.89	22.61		
15	1	1	256-QAM	17.08	16.56	16.17	17.48	17.22	17.13	20.29	19.91	19.69		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.67	21.66	21.03	22.37	22.15	22.01	25.04	24.92	24.56	24.05	0.2541
20	1	49		21.68	21.35	21.20	22.45	22.36	22.07	25.09	24.89	24.67		
20	25	12		21.70	21.45	21.19	22.35	22.18	21.90	25.05	24.84	24.57		
20	1	0		19.81	20.18	19.23	20.43	20.06	20.01	23.14	23.13	22.65		
20	1	50		19.82	19.52	19.25	20.29	20.40	20.01	23.07	22.99	22.66		
20	51	0		20.32	20.05	19.74	20.96	20.63	20.41	23.66	23.36	23.10		
20	1	1	16-QAM	21.46	21.43	20.91	21.86	21.59	21.35	24.67	24.52	24.15	23.63	0.2307
20	1	1	64-QAM	19.73	19.49	19.16	20.38	20.24	19.93	23.08	22.89	22.57		
20	1	1	256-QAM	17.45	16.36	16.03	17.25	17.24	17.15	20.36	19.83	19.64		
Limit	EIRP < 1W			Result									Pass	



FCC RADIO TEST REPORT

Report No. : FG4O2228C

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.70	21.70	21.48	22.45	22.21	22.32	25.10	24.97	24.93	24.06	0.2547
30	1	76		21.63	21.54	21.38	22.20	22.27	22.06	24.93	24.93	24.74		
30	39	19		21.71	21.58	21.39	22.20	22.21	22.01	24.97	24.92	24.72		
30	1	0		19.70	19.73	19.48	20.42	20.14	20.21	23.09	22.95	22.87		
30	1	77		19.64	19.49	19.40	20.17	20.23	20.15	22.92	22.89	22.80		
30	78	0		20.26	20.12	19.85	20.81	20.72	20.64	23.55	23.44	23.27		
30	1	1	16-QAM	21.49	21.17	20.98	21.90	21.84	21.90	24.71	24.53	24.47	23.67	0.2328
30	1	1	64-QAM	19.80	19.75	19.55	20.44	20.05	20.11	23.14	22.91	22.85		
30	1	1	256-QAM	16.64	16.75	16.67	17.63	17.17	17.12	20.17	19.98	19.91		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.75	21.77	21.59	22.51	22.14	22.29	25.16	24.97	24.96	24.12	0.2582
40	1	104		21.82	21.53	21.24	22.28	22.19	22.20	25.07	24.88	24.76		
40	53	26		21.77	21.58	21.28	22.17	22.18	21.98	24.98	24.90	24.65		
40	1	0		19.84	20.33	19.50	20.51	20.30	20.40	23.20	23.33	22.98		
40	1	105		19.76	19.94	19.24	20.27	20.28	20.15	23.03	23.12	22.73		
40	106	0		20.27	20.39	19.85	20.84	20.69	20.48	23.57	23.55	23.19		
40	1	1	16-QAM	21.50	21.31	21.11	22.00	21.73	21.71	24.77	24.54	24.43	23.73	0.2360
40	1	1	64-QAM	19.72	19.76	19.38	20.64	20.11	20.23	23.21	22.95	22.84		
40	1	1	256-QAM	16.98	16.60	16.26	17.49	17.38	17.38	20.25	20.02	19.87		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.47	21.44	21.44	22.09	22.03	21.96	24.80	24.76	24.72	23.76	0.2377
50	1	131		21.24	20.98	20.80	21.84	21.86	21.62	24.56	24.45	24.24		
50	67	33		21.48	21.27	20.96	21.82	21.93	21.75	24.66	24.62	24.38		
50	1	0		19.61	19.51	19.37	20.12	20.06	20.03	22.88	22.80	22.72		
50	1	132		19.20	19.08	18.76	19.77	19.91	19.81	22.50	22.53	22.33		
50	133	0		19.87	19.83	19.53	20.50	20.45	20.27	23.21	23.16	22.93		
50	1	1	16-QAM	21.13	21.33	20.93	21.86	21.54	21.45	24.52	24.45	24.21	23.48	0.2228
50	1	1	64-QAM	19.64	19.53	19.31	20.10	19.92	20.09	22.89	22.74	22.73		
50	1	1	256-QAM	16.59	16.64	16.22	17.07	16.80	17.12	19.85	19.73	19.70		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.53	21.51	21.95	22.14	21.85	22.11	24.86	24.69	25.04	24.07	0.2553
60	1	160		21.28	21.18	21.84	21.92	21.89	22.09	24.62	24.56	24.98		
60	81	40		21.59	21.45	21.98	22.03	22.01	22.21	24.83	24.75	25.11		
60	1	0		19.58	19.68	20.12	20.21	20.05	20.16	22.92	22.88	23.15		
60	1	161		19.24	19.08	21.84	19.93	19.91	22.14	22.61	22.53	25.00		
60	162	0		20.04	19.83	20.54	20.59	20.45	20.65	23.33	23.16	23.61		
60	1	1	16-QAM	21.09	21.10	21.49	21.72	21.43	21.74	24.43	24.28	24.63	23.59	0.2286
60	1	1	64-QAM	19.44	19.51	20.14	20.30	20.00	19.94	22.90	22.77	23.05		
60	1	1	256-QAM	16.67	16.32	16.19	17.16	16.98	16.91	19.93	19.67	19.58		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.50	21.46	21.51	22.16	22.00	21.94	24.85	24.75	24.74	23.81	0.2404
70	1	187		21.27	21.07	21.05	21.75	21.95	21.73	24.53	24.54	24.41		
70	95	47		21.37	21.38	21.24	21.82	21.87	21.94	24.61	24.64	24.61		
70	1	0		19.49	19.57	19.70	20.11	20.00	19.91	22.82	22.80	22.82		
70	1	188		19.06	18.94	18.87	19.89	19.63	19.69	22.51	22.31	22.31		
70	189	0		19.90	19.92	19.79	20.38	20.40	20.39	23.16	23.18	23.11		
70	1	1	16-QAM	21.30	21.24	21.02	21.67	21.48	21.64	24.50	24.37	24.35	23.46	0.2218
70	1	1	64-QAM	19.65	19.54	19.56	20.01	20.05	20.06	22.84	22.81	22.83		
70	1	1	256-QAM	16.60	16.31	16.55	17.13	16.96	16.83	19.88	19.66	19.70		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.51	21.44	21.56	22.02	22.04	21.91	24.78	24.76	24.75	23.74	0.2366
80	1	215		20.97	21.02	20.63	21.76	21.61	21.79	24.39	24.34	24.26		
80	109	54		21.47	21.39	21.24	22.00	21.99	22.02	24.75	24.71	24.66		
80	1	0		20.63	19.59	20.22	20.13	20.06	19.95	23.40	22.84	23.10		
80	1	216		18.89	19.02	19.47	19.98	19.56	19.65	22.48	22.31	22.57		
80	217	0		19.90	19.88	19.77	20.49	20.47	20.44	23.22	23.20	23.13		
80	1	1	16-QAM	21.36	21.04	21.40	21.63	21.74	21.56	24.51	24.41	24.49	23.47	0.2223
80	1	1	64-QAM	19.85	19.65	19.74	20.18	20.11	19.90	23.03	22.90	22.83		
80	1	1	256-QAM	16.29	16.65	16.55	17.45	16.85	16.71	19.92	19.76	19.64		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.48	21.42	21.49	22.20	22.39	22.11	24.87	24.94	24.82	23.90	0.2455
90	1	243		20.93	21.13	20.97	21.63	21.87	21.64	24.30	24.53	24.33		
90	123	61		21.35	21.44	21.33	21.86	22.01	22.02	24.62	24.74	24.70		
90	1	0		19.94	19.52	19.58	20.12	20.15	20.22	23.04	22.86	22.92		
90	1	244		19.30	19.11	18.94	19.91	19.83	19.84	22.63	22.50	22.42		
90	245	0		19.85	19.86	19.84	20.35	20.40	20.44	23.12	23.15	23.16		
90	1	1	16-QAM	21.26	21.82	21.09	21.63	21.84	21.60	24.46	24.84	24.36	23.80	0.2399
90	1	1	64-QAM	19.40	19.42	19.60	20.27	20.18	20.18	22.87	22.83	22.91		
90	1	1	256-QAM	16.65	16.32	16.60	16.99	16.97	17.10	19.83	19.67	19.87		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 HPUE Maximum Average Power [dBm], DG = -1.04 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	-	21.56	-	-	22.02	-	-	24.81	-	23.77	0.2382
100	1	271		-	21.06	-	-	21.91	-	-	24.52	-		
100	137	68		-	21.36	-	-	21.87	-	-	24.63	-		
100	1	0		-	19.60	-	-	20.34	-	-	23.00	-		
100	1	272		-	19.05	-	-	19.93	-	-	22.52	-		
100	273	0		-	19.86	-	-	20.42	-	-	23.16	-		
100	1	1	16-QAM	-	21.21	-	-	21.59	-	-	24.41	-	23.37	0.2173
100	1	1	64-QAM	-	19.47	-	-	20.40	-	-	22.97	-		
100	1	1	256-QAM	-	16.42	-	-	17.30	-	-	19.89	-		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.13	21.48	21.32	21.33	21.24	21.22	24.24	24.37	24.28	23.33	0.2153
10	1	22		21.15	21.26	21.32	21.29	21.19	21.21	24.23	24.24	24.28		
10	12	6		20.99	21.28	21.19	21.23	21.10	21.26	24.12	24.20	24.24		
10	1	0		19.23	19.49	19.32	19.27	19.20	19.21	22.26	22.36	22.28		
10	1	23		19.05	19.33	19.20	19.30	19.34	19.22	22.19	22.35	22.22		
10	24	0		19.54	19.75	19.76	19.87	19.79	19.77	22.72	22.78	22.78		
10	1	1	16-QAM	20.51	20.77	20.73	20.89	20.80	21.01	23.71	23.80	23.88	22.84	0.1923
10	1	1	64-QAM	19.12	19.23	19.24	19.22	19.12	19.19	22.18	22.19	22.23		
10	1	1	256-QAM	16.09	16.40	16.23	16.27	16.05	16.20	19.19	19.24	19.23		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.12	21.38	21.42	21.34	21.20	21.11	24.24	24.30	24.28	23.37	0.2173
15	1	36		21.40	21.49	21.30	21.37	21.30	21.20	24.40	24.41	24.26		
15	19	9		21.17	21.31	21.33	21.39	21.22	21.21	24.29	24.28	24.28		
15	1	0		19.11	19.34	19.45	19.16	19.08	19.18	22.15	22.22	22.33		
15	1	37		19.40	19.55	19.21	19.31	19.20	19.32	22.37	22.39	22.28		
15	38	0		19.69	19.78	19.74	19.90	19.78	19.80	22.81	22.79	22.78		
15	1	1	16-QAM	20.62	20.81	20.73	21.01	20.84	20.86	23.83	23.84	23.81	22.80	0.1905
15	1	1	64-QAM	19.09	19.25	19.24	19.20	19.06	19.09	22.16	22.17	22.18		
15	1	1	256-QAM	16.27	16.42	16.38	16.28	16.13	16.15	19.29	19.29	19.28		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.18	21.61	21.26	21.34	21.03	21.23	24.27	24.34	24.26	23.31	0.2143
20	1	49		21.40	21.39	21.29	21.17	21.28	21.22	24.30	24.35	24.27		
20	25	12		21.19	21.30	21.24	21.40	21.26	21.25	24.31	24.29	24.26		
20	1	0		19.20	19.48	19.41	19.44	19.08	19.20	22.33	22.29	22.32		
20	1	50		19.30	19.34	19.29	19.25	19.24	19.14	22.29	22.30	22.23		
20	51	0		19.70	19.78	19.75	19.88	19.73	19.71	22.80	22.77	22.74		
20	1	1	16-QAM	20.63	20.76	20.68	21.13	20.60	20.97	23.90	23.69	23.84	22.86	0.1932
20	1	1	64-QAM	19.17	19.28	19.25	19.36	19.03	19.03	22.28	22.17	22.15		
20	1	1	256-QAM	16.22	16.41	16.33	16.34	16.02	16.15	19.29	19.23	19.25		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.54	21.59	21.56	21.35	21.13	21.36	24.46	24.38	24.47	23.51	0.2244
30	1	76		21.41	21.38	21.62	21.11	21.42	21.46	24.27	24.41	24.55		
30	39	19		21.20	21.33	21.33	21.21	21.28	21.25	24.22	24.32	24.30		
30	1	0		19.18	19.51	19.52	19.35	19.36	19.30	22.28	22.45	22.42		
30	1	77		19.27	19.32	19.49	19.02	19.32	19.32	22.16	22.33	22.42		
30	78	0		19.67	19.78	19.90	19.75	19.70	19.81	22.72	22.75	22.87		
30	1	1	16-QAM	20.59	20.88	20.97	21.03	20.94	21.08	23.83	23.92	24.04	23.00	0.1995
30	1	1	64-QAM	19.09	19.33	19.32	19.20	19.06	19.31	22.16	22.21	22.33		
30	1	1	256-QAM	16.11	16.47	16.44	16.55	16.07	16.34	19.35	19.28	19.40		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.16	21.38	21.43	21.41	21.19	21.36	24.30	24.30	24.41	23.37	0.2173
40	1	104		21.54	21.45	21.35	21.26	21.29	21.23	24.41	24.38	24.30		
40	53	26		21.26	21.33	21.22	21.30	21.21	21.17	24.29	24.28	24.21		
40	1	0		19.46	19.44	19.42	19.48	19.19	19.38	22.48	22.33	22.41		
40	1	105		19.50	19.26	19.24	19.20	19.30	19.35	22.36	22.29	22.31		
40	106	0		19.75	19.79	19.69	19.81	19.76	19.73	22.79	22.79	22.72		
40	1	1	16-QAM	20.74	20.81	20.81	21.07	20.98	21.07	23.92	23.91	23.95	22.91	0.1954
40	1	1	64-QAM	19.30	19.29	19.40	19.44	19.15	19.28	22.38	22.23	22.35		
40	1	1	256-QAM	16.19	16.49	16.29	16.58	16.15	16.53	19.40	19.33	19.42		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.24	21.06	21.31	21.08	20.94	20.99	24.17	24.01	24.16	23.14	0.2061
50	1	131		21.10	21.11	20.96	20.90	21.06	20.93	24.01	24.10	23.96		
50	67	33		21.00	21.16	21.06	20.96	21.17	21.06	23.99	24.18	24.07		
50	1	0		19.08	19.05	19.09	19.12	18.97	18.97	22.11	22.02	22.04		
50	1	132		19.04	19.05	18.90	19.01	19.01	18.97	22.04	22.04	21.95		
50	133	0		19.54	19.75	19.55	19.55	19.67	19.52	22.56	22.72	22.55		
50	1	1	16-QAM	20.36	20.43	20.52	20.70	20.64	20.77	23.54	23.55	23.66	22.62	0.1828
50	1	1	64-QAM	18.89	19.06	18.98	18.98	18.96	18.98	21.95	22.02	21.99		
50	1	1	256-QAM	16.01	16.13	16.22	15.99	15.95	15.90	19.01	19.05	19.07		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	20.97	20.98	21.13	21.31	21.28	20.94	24.15	24.14	24.05	23.20	0.2089
60	1	160		21.29	21.10	20.93	21.17	21.09	21.03	24.24	24.11	23.99		
60	81	40		21.04	21.22	21.18	21.01	21.19	21.22	24.04	24.22	24.21		
60	1	0		18.91	18.96	19.11	19.23	19.27	19.00	22.08	22.13	22.07		
60	1	161		19.14	18.94	18.96	19.18	19.09	19.03	22.17	22.03	22.01		
60	162	0		19.66	19.66	19.66	19.74	19.61	19.61	22.71	22.65	22.65		
60	1	1	16-QAM	20.46	20.52	20.49	20.91	20.55	20.80	23.70	23.55	23.66	22.66	0.1845
60	1	1	64-QAM	18.94	18.93	19.07	19.20	19.14	19.06	22.08	22.05	22.08		
60	1	1	256-QAM	15.98	15.92	16.19	16.23	16.22	15.92	19.12	19.08	19.07		
Limit	EIRP < 1W			Result									Pass	



FCC RADIO TEST REPORT

Report No. : FG4O2228C

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	20.88	21.31	21.23	21.46	21.28	20.99	24.19	24.31	24.12	23.27	0.2123
70	1	187		20.83	21.14	21.19	21.22	20.92	20.86	24.04	24.04	24.04		
70	95	47		21.09	21.13	21.16	21.01	21.17	21.29	24.06	24.16	24.24		
70	1	0		18.93	19.10	19.31	19.45	19.14	19.02	22.21	22.13	22.18		
70	1	188		18.89	19.16	19.04	19.05	18.95	19.00	21.98	22.07	22.03		
70	189	0		19.56	19.58	19.66	19.51	19.58	19.63	22.55	22.59	22.66		
70	1	1	16-QAM	20.23	20.59	20.64	20.62	20.88	20.17	23.44	23.75	23.42	22.71	0.1866
70	1	1	64-QAM	18.92	19.25	19.16	19.44	19.05	19.06	22.20	22.16	22.12		
70	1	1	256-QAM	15.91	16.18	16.21	16.30	15.98	15.98	19.12	19.09	19.11		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	20.92	20.83	21.23	21.22	21.21	21.31	24.08	24.03	24.28	23.24	0.2109
80	1	215		21.06	21.04	20.99	21.12	20.99	21.19	24.10	24.03	24.10		
80	109	54		21.11	21.08	21.11	21.05	21.11	21.21	24.09	24.11	24.17		
80	1	0		18.89	18.93	19.05	19.29	19.16	19.22	22.10	22.06	22.15		
80	1	216		19.01	19.04	18.90	19.08	19.02	19.04	22.06	22.04	21.98		
80	217	0		19.58	19.54	19.58	19.68	19.53	19.60	22.64	22.55	22.60		
80	1	1	16-QAM	20.58	20.68	20.42	20.59	20.63	20.59	23.60	23.67	23.52	22.63	0.1832
80	1	1	64-QAM	18.93	18.77	18.77	19.24	19.18	19.21	22.10	21.99	22.01		
80	1	1	256-QAM	16.02	16.05	16.03	16.12	16.06	16.09	19.08	19.07	19.07		
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	21.17	20.90	21.06	21.15	21.26	21.12	24.17	24.09	24.10	23.16	0.2070
90	1	243		21.10	20.92	20.98	20.94	21.11	20.97	24.03	24.03	23.99		
90	123	61		21.09	21.12	21.22	21.06	21.10	21.16	24.09	24.12	24.20		
90	1	0		19.03	18.87	19.01	19.07	19.21	19.10	22.06	22.05	22.07		
90	1	244		18.94	18.93	18.96	18.94	19.09	19.02	21.95	22.02	22.00		
90	245	0		19.52	19.58	19.64	19.60	19.56	19.64	22.57	22.58	22.65		
90	1	1	16-QAM	20.44	20.65	20.43	20.86	20.64	21.13	23.67	23.66	23.80	22.76	0.1888
90	1	1	64-QAM	19.01	18.82	18.95	19.08	19.23	19.10	22.06	22.04	22.04		
90	1	1	256-QAM	16.08	15.74	16.08	16.05	16.24	16.01	19.08	19.01	19.06		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 HPUE Maximum Average Power [dBm], DG = -1.04 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	-	20.99	-	-	21.16	-	-	24.09	-	23.15	0.2065
100	1	271		-	21.27	-	-	21.09	-	-	24.19	-		
100	137	68		-	21.12	-	-	21.11	-	-	24.13	-		
100	1	0		-	18.98	-	-	19.05	-	-	22.03	-		
100	1	272		-	19.21	-	-	19.11	-	-	22.17	-		
100	273	0		-	19.60	-	-	19.63	-	-	22.63	-		
100	1	1	16-QAM	-	20.63	-	-	21.05	-	-	23.86	-	22.82	0.1914
100	1	1	64-QAM	-	19.17	-	-	19.22	-	-	22.21	-		
100	1	1	256-QAM	-	16.06	-	-	16.07	-	-	19.08	-		
Limit	EIRP < 1W			Result									Pass	

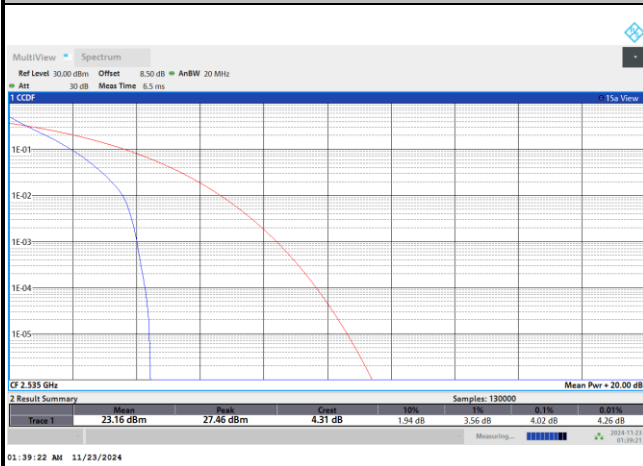
**FR1 n7****Peak-to-Average Ratio**

Mode	FR1 n7 / 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	4.02	5.24	6.12	6.38	PASS
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.82				PASS

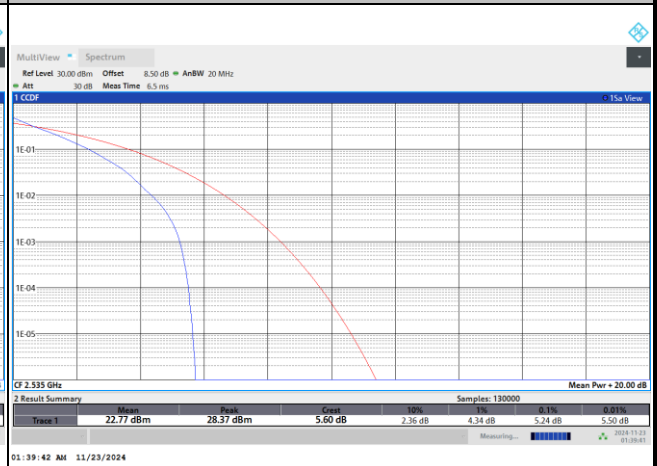


FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

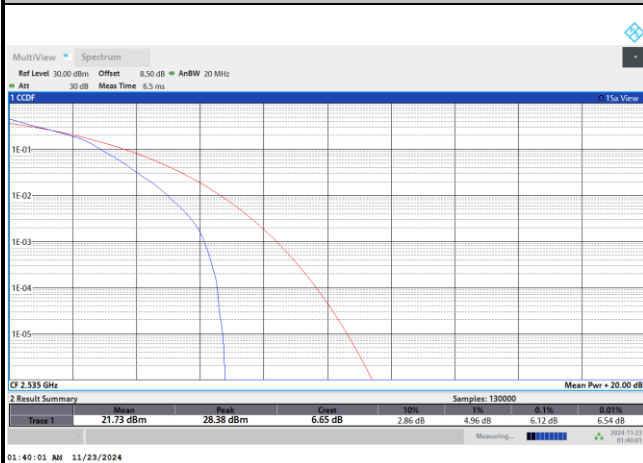
PI/2 BPSK



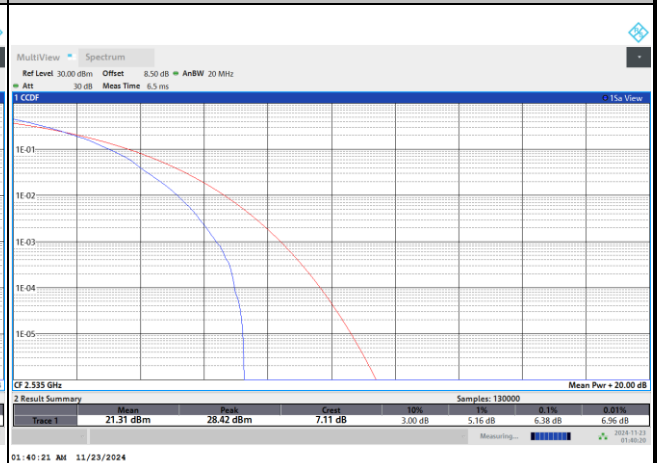
QPSK



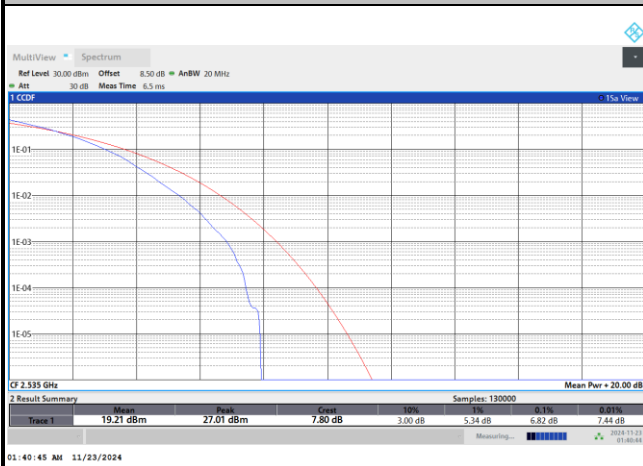
16QAM



64QAM



256QAM



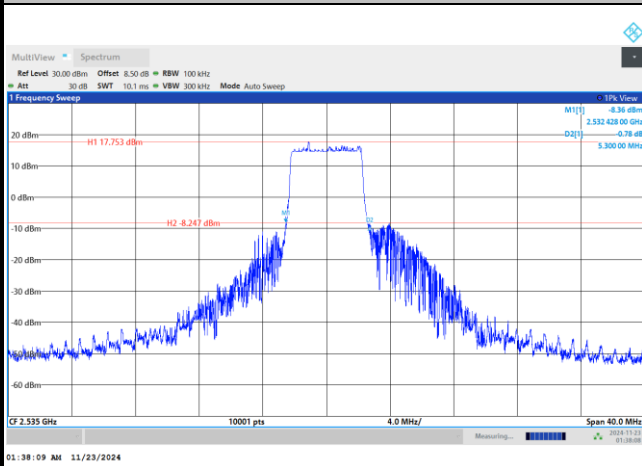
**26dB Bandwidth**

Mode	FR1 n7 : 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	5.29		10.00		14.51		22.82	
BW	25MHz		30MHz		40MHz			
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK			
Middle CH	27.17		32.93		43.82			

Mode	FR1 n7 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.31	6.69	12.00	12.66	17.82	18.27	23.27	23.29
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.17	5.25	12.74	10.40	19.45	18.31	23.70	23.79
BW	25MHz		30MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	28.93	28.33	34.28	33.88	43.87	44.50		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	27.51	26.96	33.94	34.14	43.64	43.81		

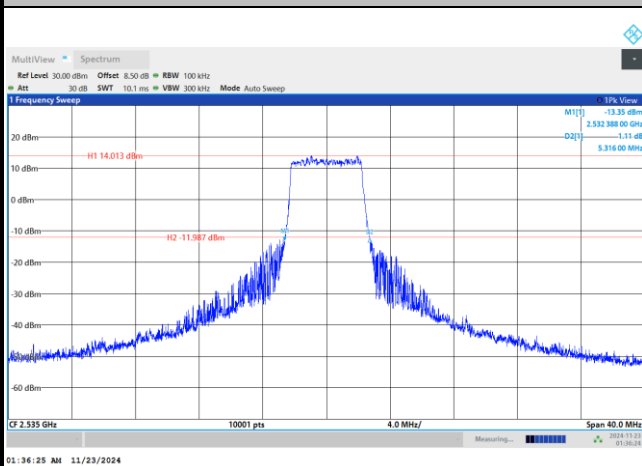
**FR1 n7 / 5MHz / DFT-S OFDM / Middle Channel / Full RB**

PI/2 BPSK

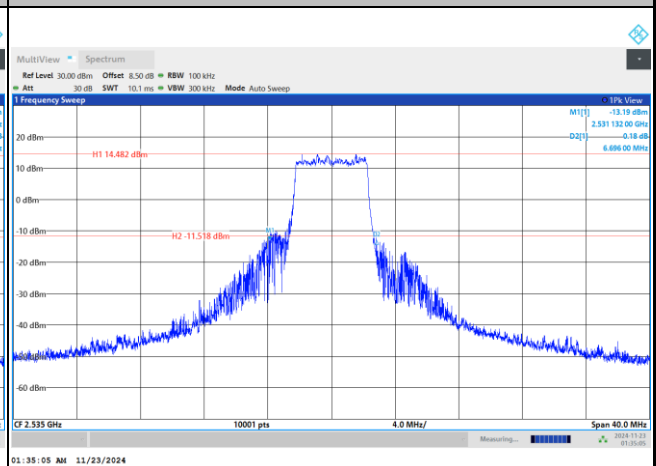


FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

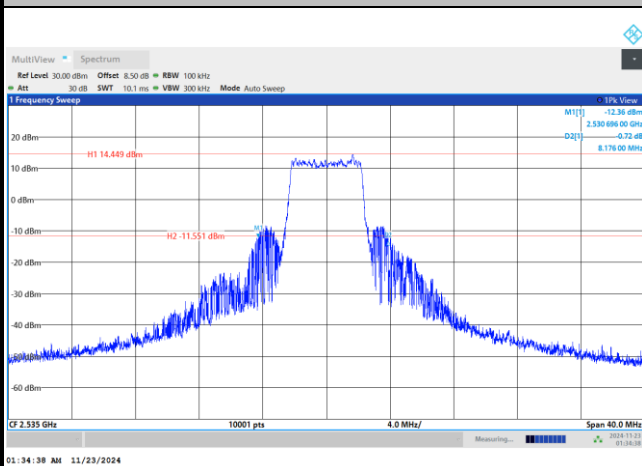
QPSK



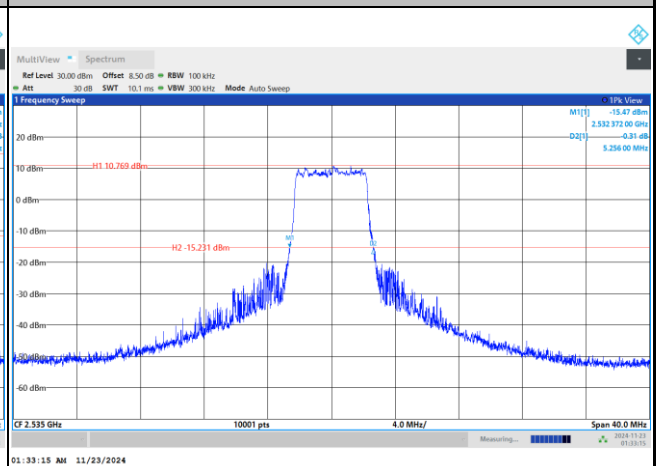
16QAM



64QAM



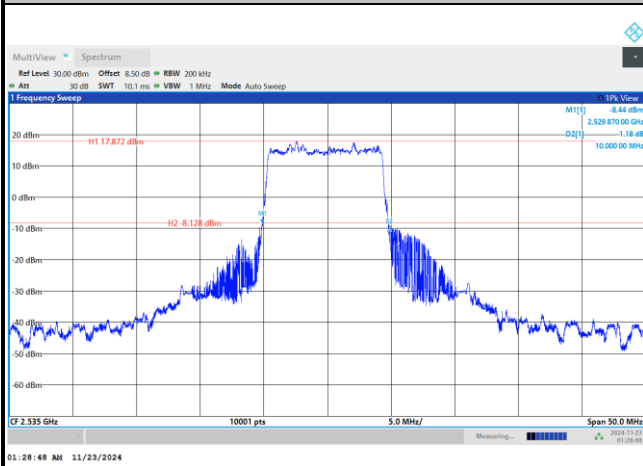
256QAM





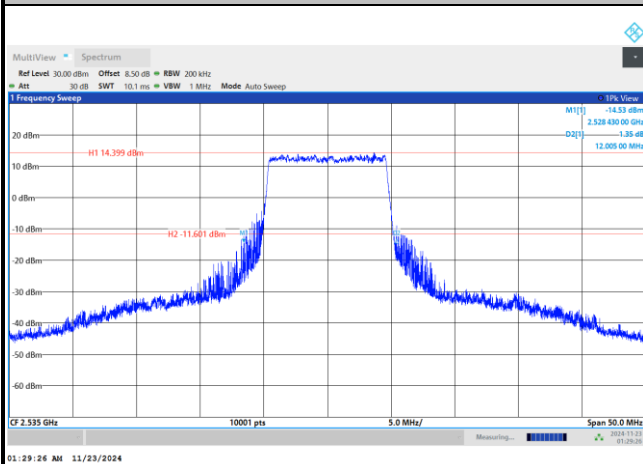
FR1 n7 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

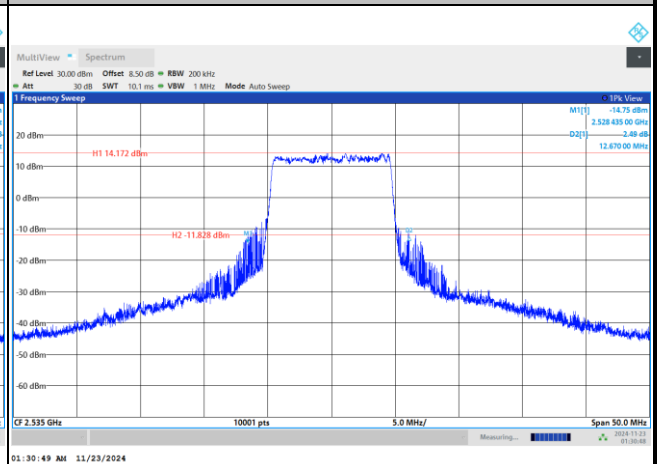


FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

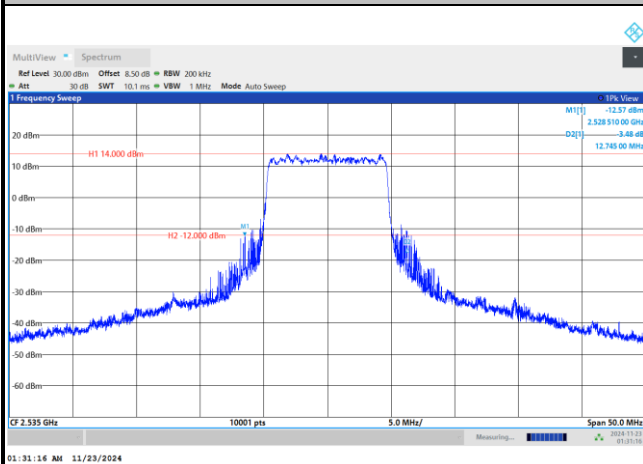
QPSK



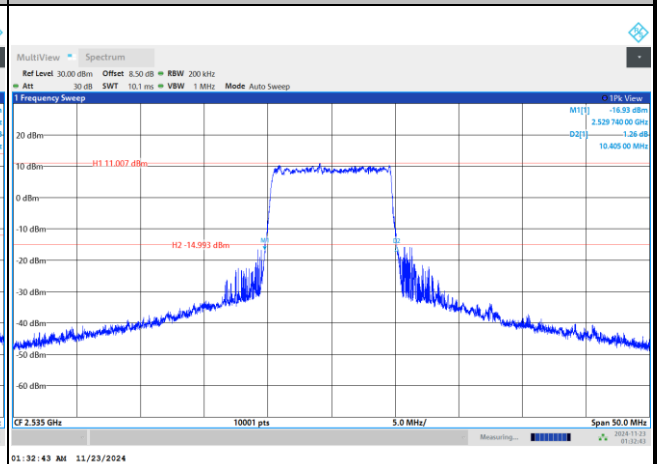
16QAM

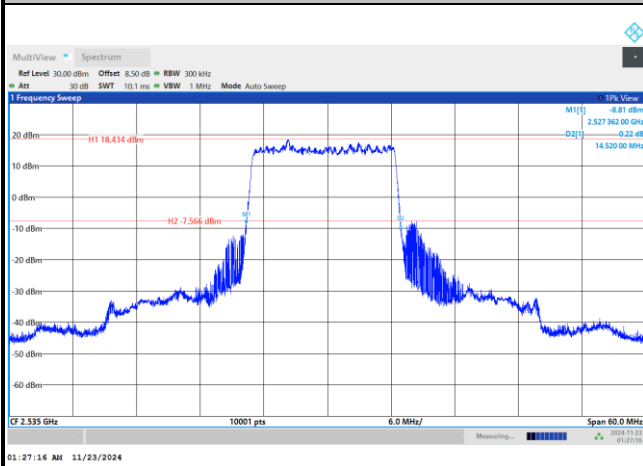
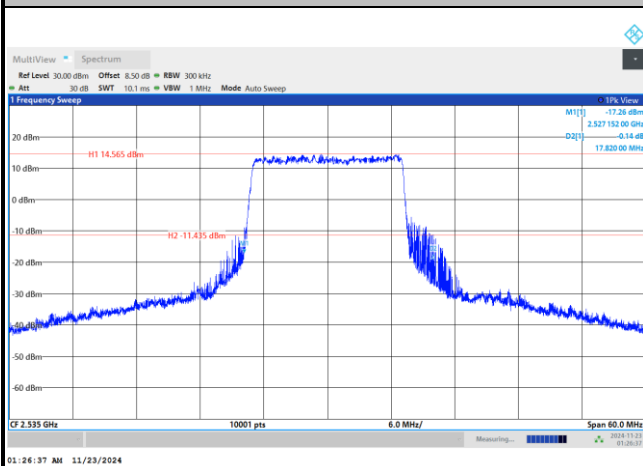
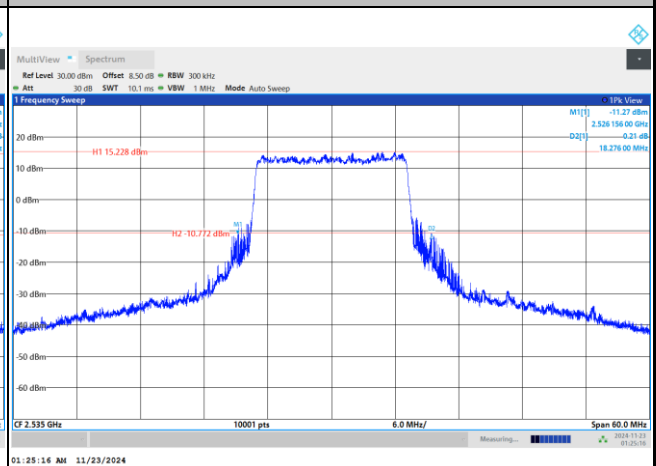
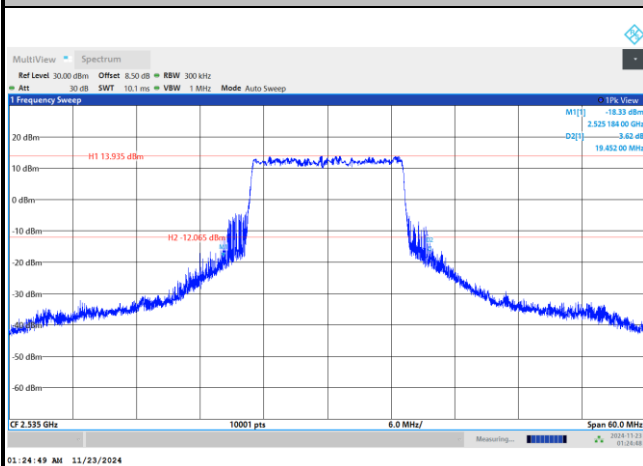
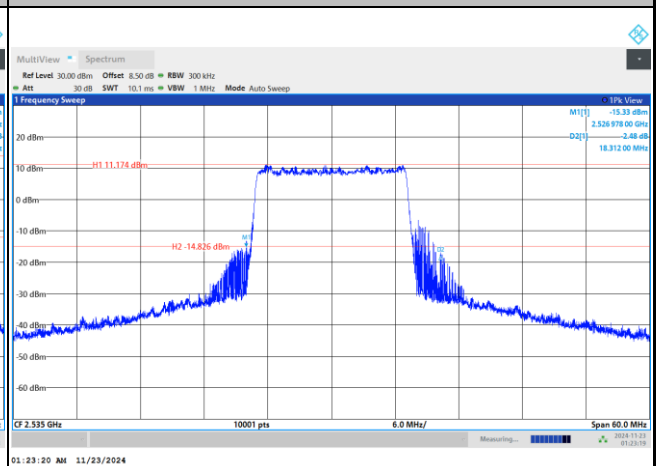


64QAM



256QAM

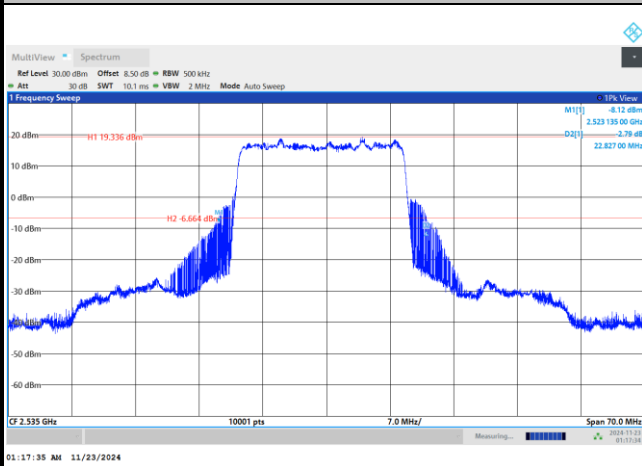


FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM




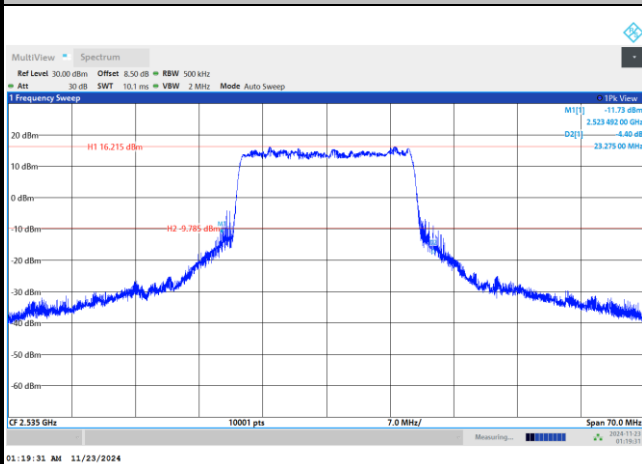
FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

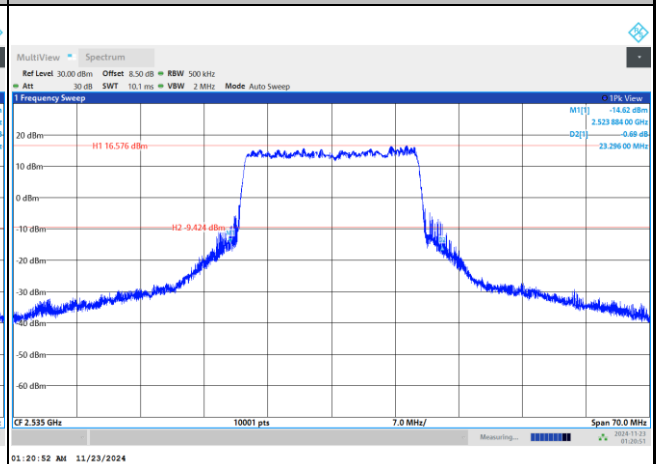


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

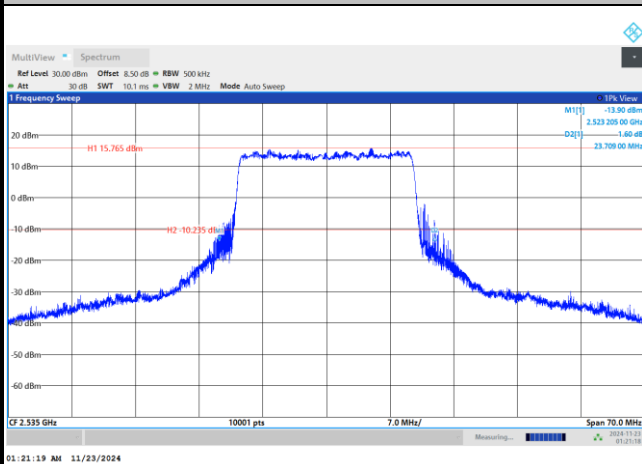
QPSK



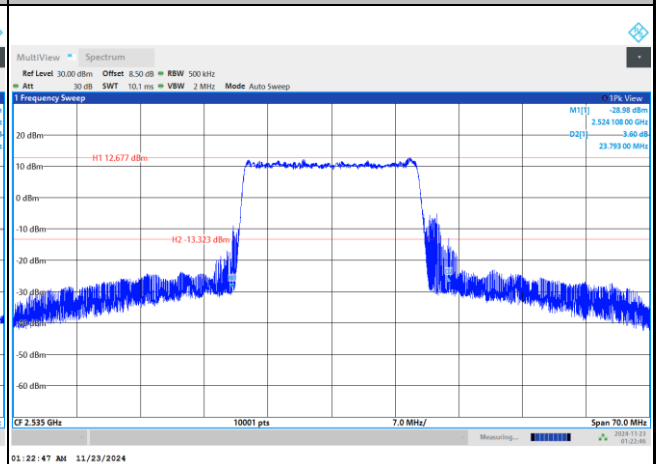
16QAM



64QAM



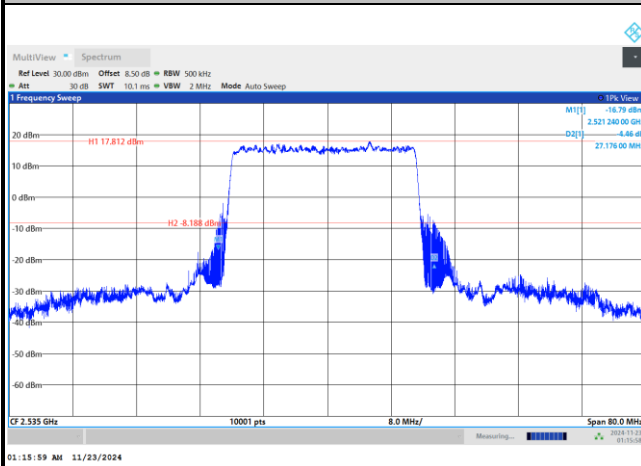
256QAM





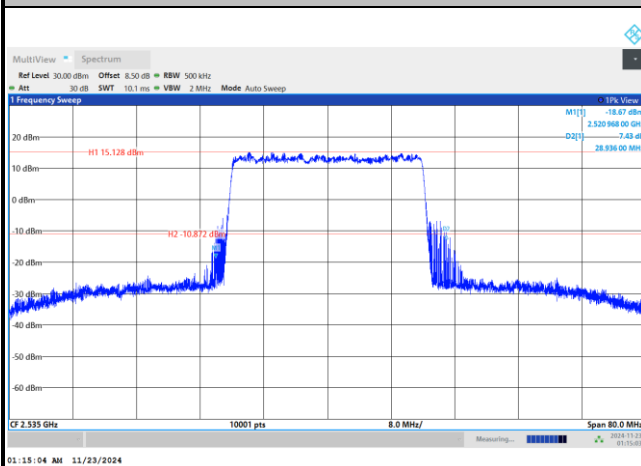
FR1 n7 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

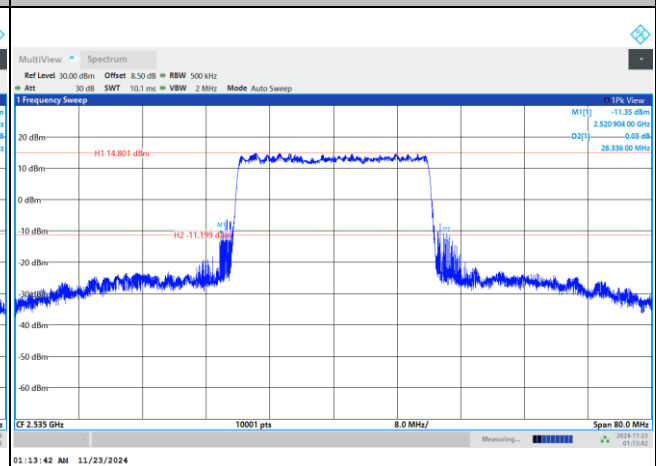


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

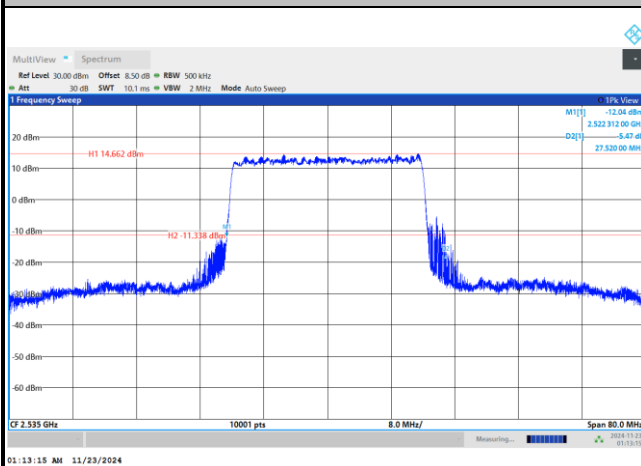
QPSK



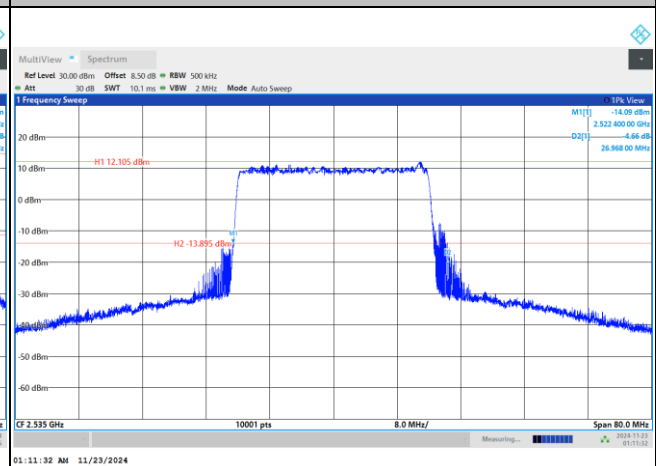
16QAM



64QAM



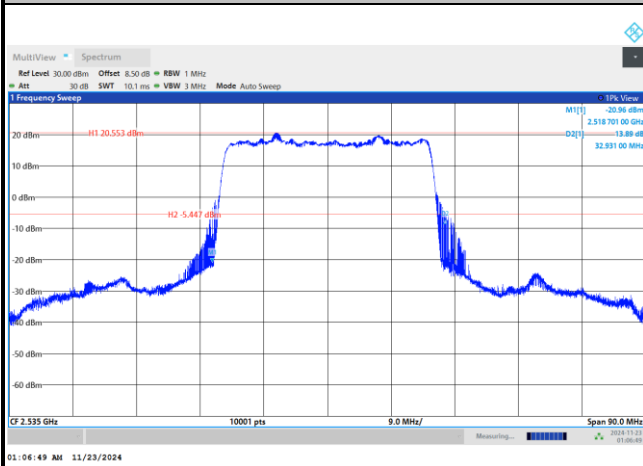
256QAM





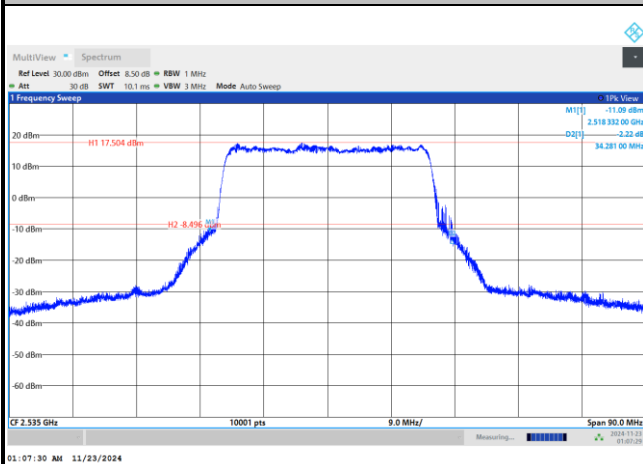
FR1 n7 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

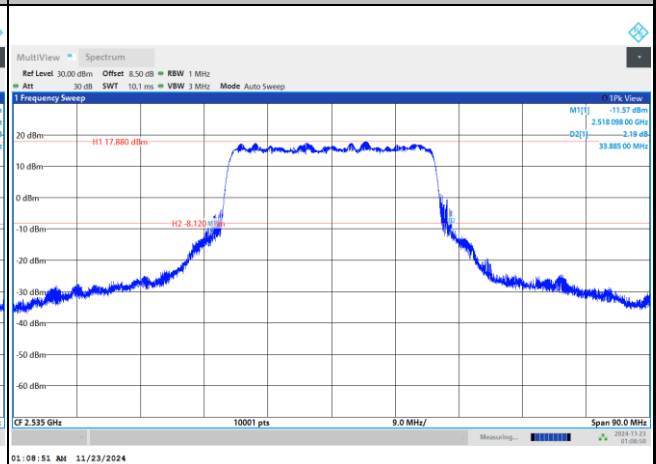


FR1 n7 / 30MHz / CP OFDM / Middle Channel / Full RB

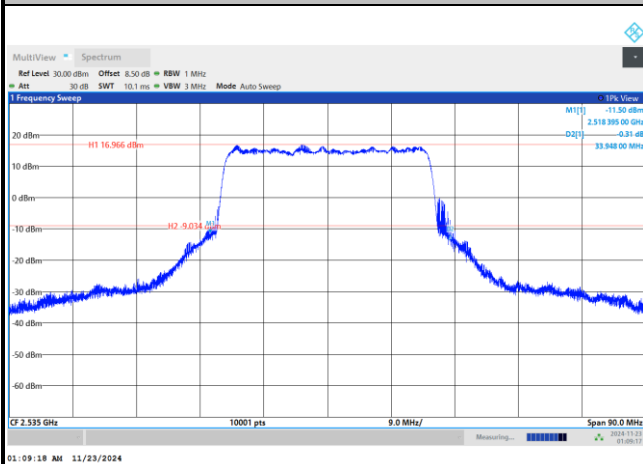
QPSK



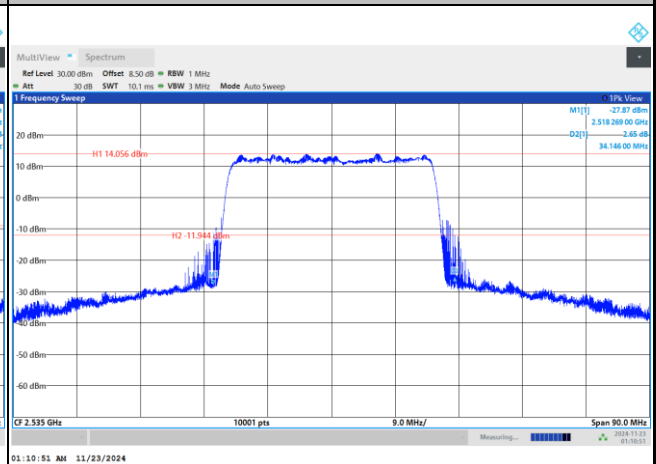
16QAM



64QAM



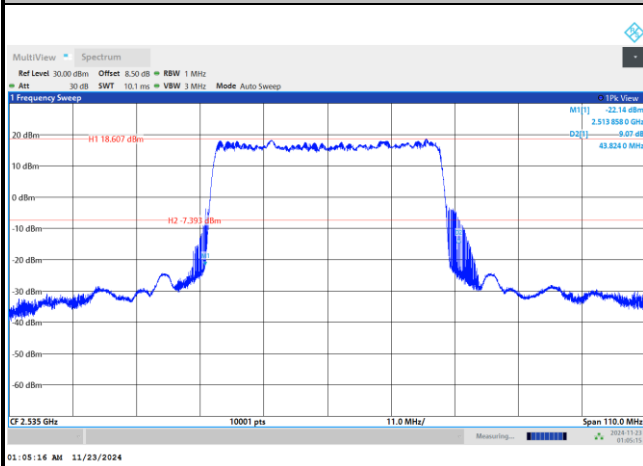
256QAM





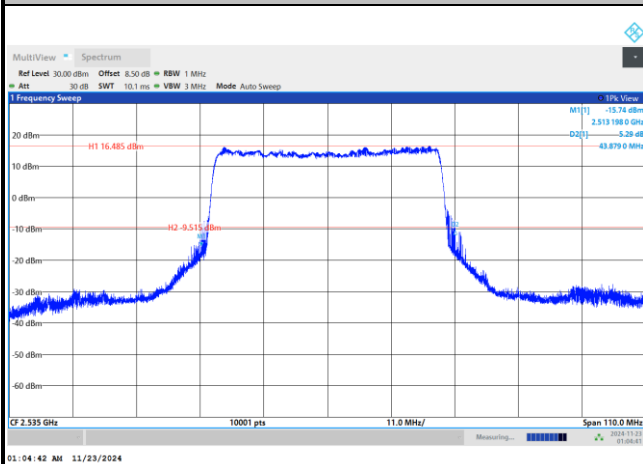
FR1 n7 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

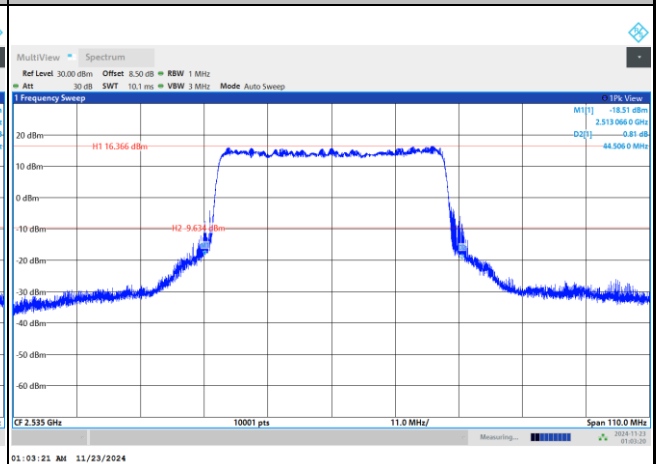


FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

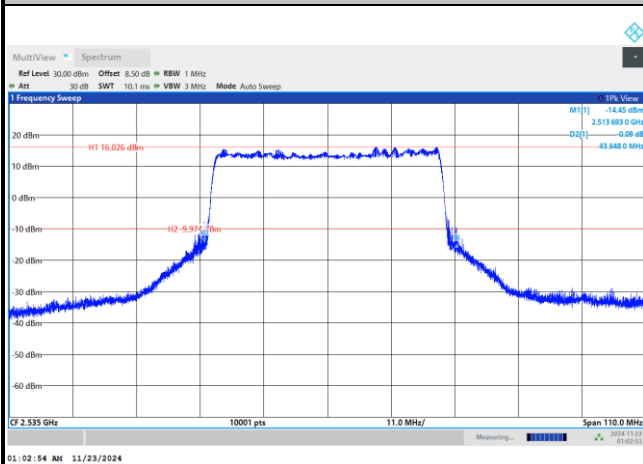
QPSK



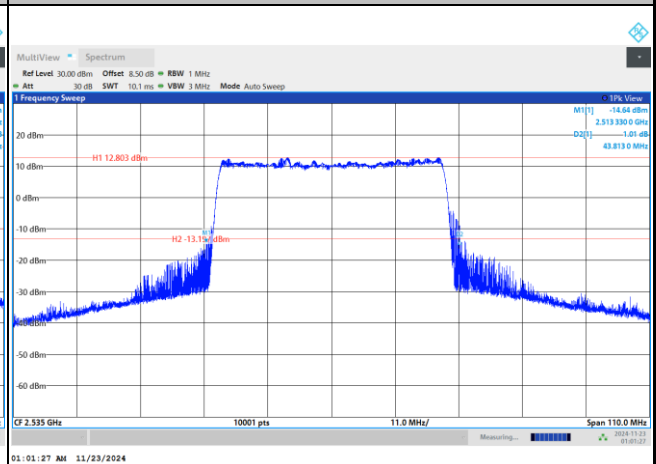
16QAM



64QAM



256QAM



**Occupied Bandwidth**

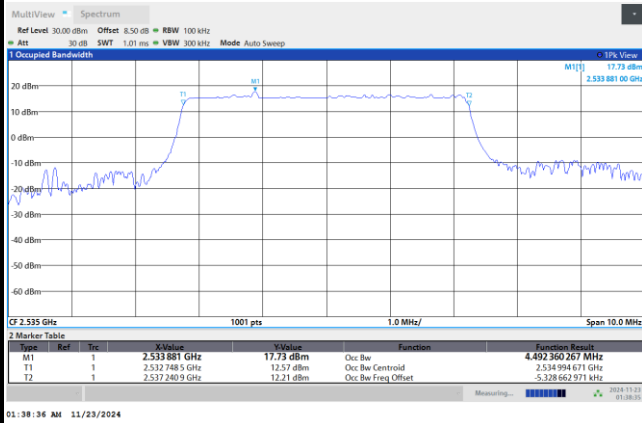
Mode	FR1 n7 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		9.00		13.48		18.10	
BW	25MHz		30MHz		40MHz			
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK			
Middle CH	23.02		29.05		38.83			

Mode	FR1 n7 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.52	4.56	9.36	9.35	14.17	14.20	19.07	19.10
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.59	4.53	9.34	9.38	14.26	14.17	19.11	19.19
BW	25MHz		30MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	23.84	23.83	28.94	28.94	38.87	38.82		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	23.83	23.87	28.96	28.86	39.02	38.83		



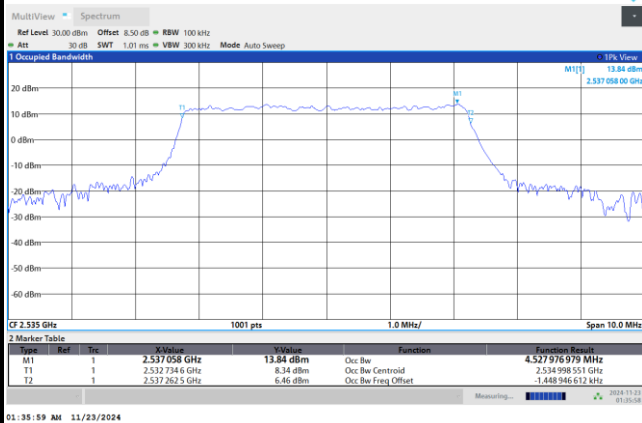
FR1 n7 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

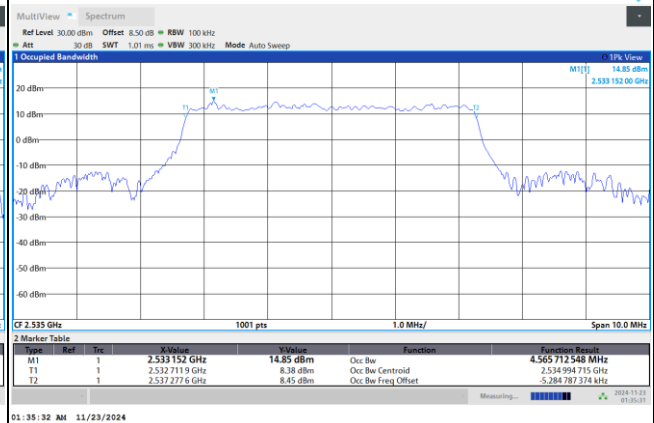


FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

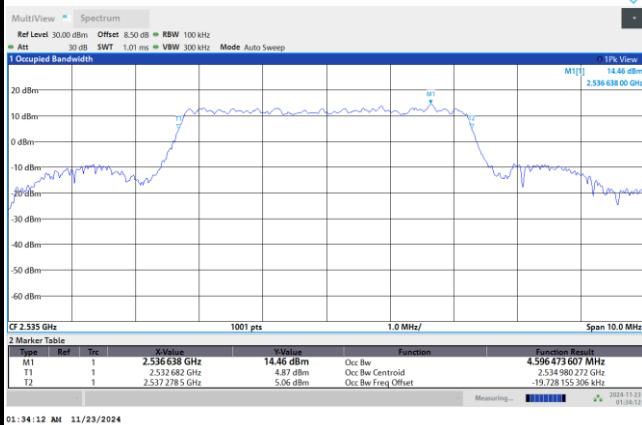
QPSK



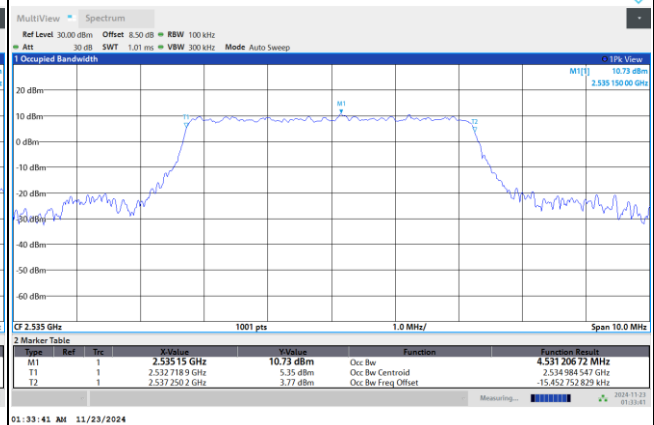
16QAM



64QAM



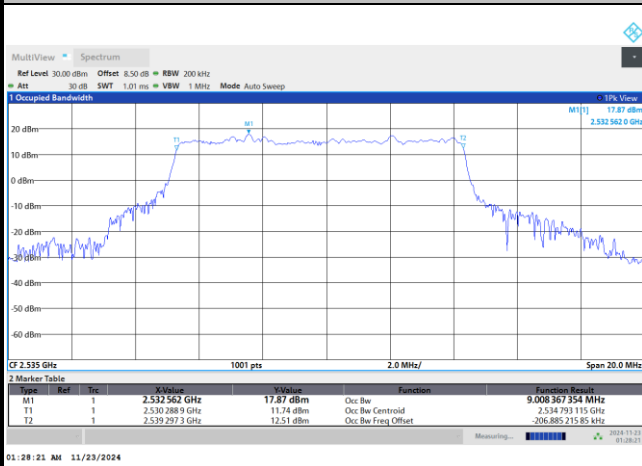
256QAM





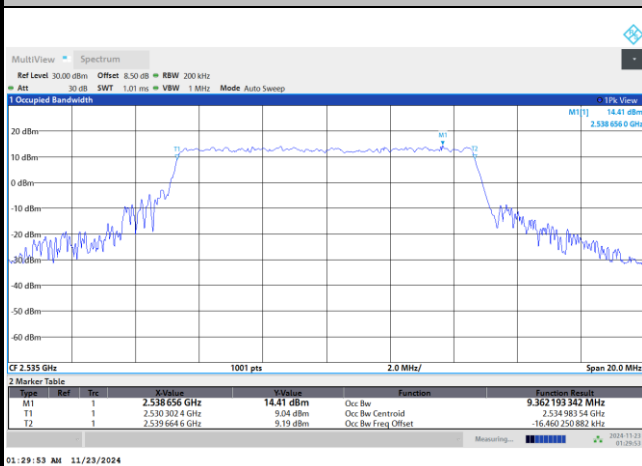
FR1 n7 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

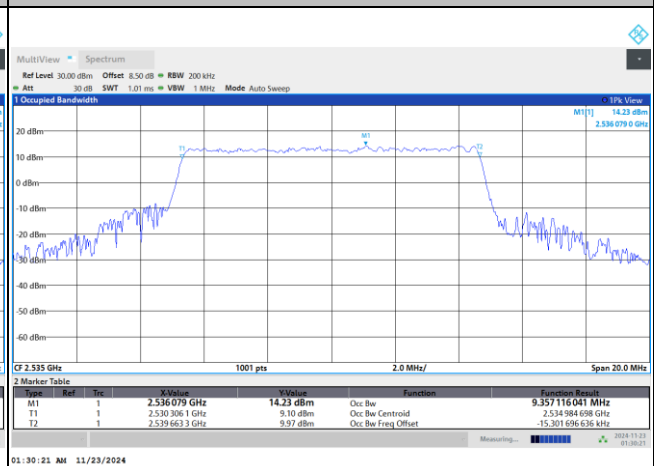


FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

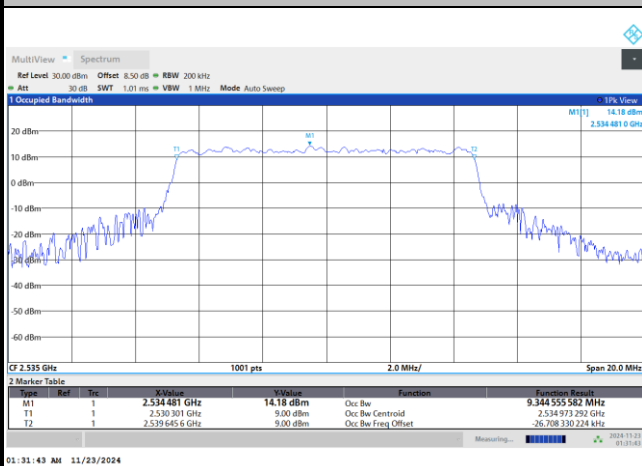
QPSK



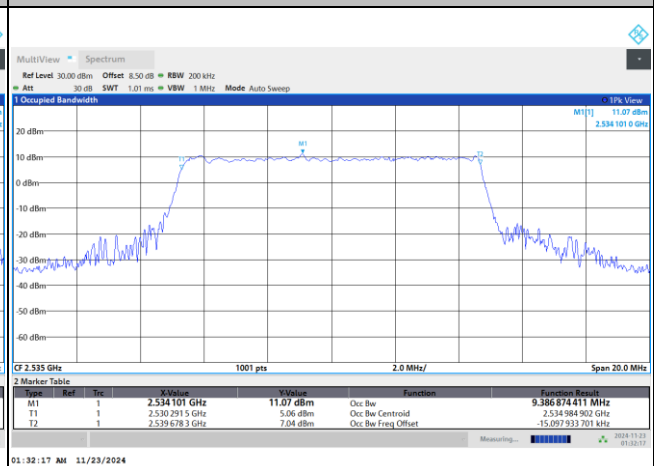
16QAM



64QAM

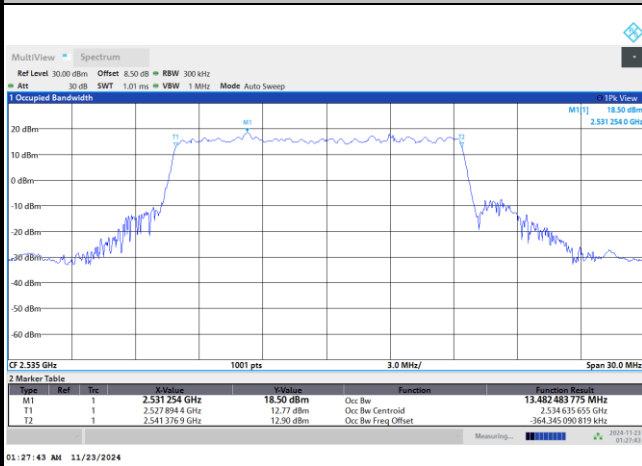


256QAM



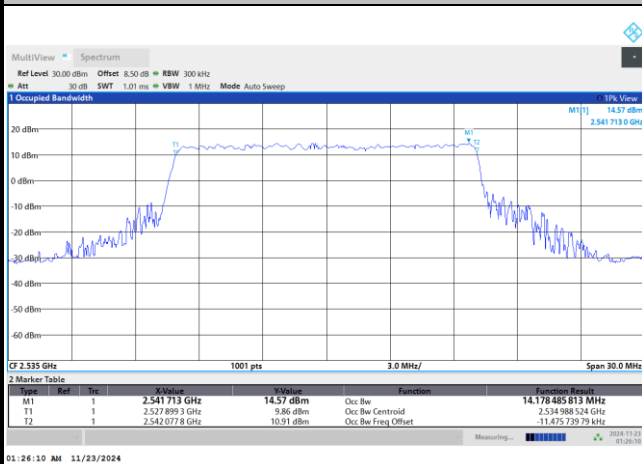
FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

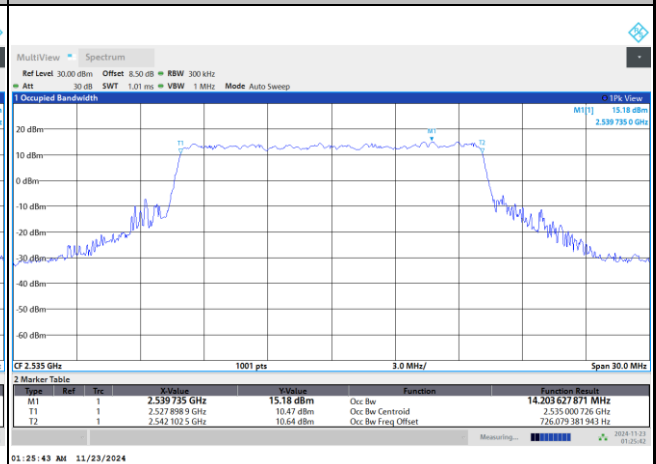


FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

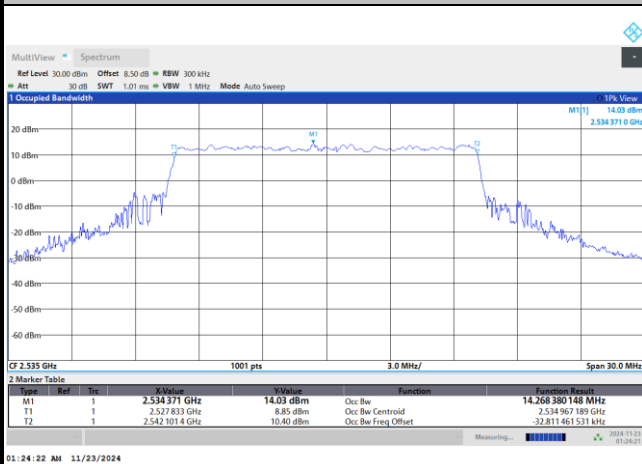
QPSK



16QAM



64QAM



256QAM

