



FCC RADIO TEST REPORT

FCC ID : 2ARF9CSM64

Equipment : Cloud Services Modem

Brand Name : Versa Networks



Model Name : CSM64

Marketing Name : Cloud Services Modem

Applicant : Versa Networks

2550 GREAT AMERICA WAY SUITE 350 SANTA CLARA, CA 95054

Manufacturer : Versa Networks

2550 GREAT AMERICA WAY SUITE 350 SANTA CLARA, CA 95054

Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

The product was received on Sep. 27, 2024 and testing was performed from Sep. 27, 2024 to Jun. 16, 2025. 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FG461443-01C	01	Initial issue of report	Jun. 16, 2025



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §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)		
-	§24.232 (d) §27.50 (d)(5) §27.50 (j)(4) §27.50 (k)(4)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§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)	-	See Note
	§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)		
-	§2.1051 §90.210 (n)	Emission Mask (n14)	-	See Note
	§2.1051 §90.691	Emission masks (n26)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§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)	-	See Note
	§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)		
-	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.691	Frequency Stability Temperature & Voltage	-	See Note
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	-
	§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)		
Remark: 1. For host device, Field Strength of Spurious Radiation, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and comply with the limit in this test report. 2. For host device, the Conducted Output Power is no difference after compared to module (Model FN990A28) 3. This report is by changing EUT appearance, FCC ID, equipment Name, brand Name, model Name, marketing Name, applicant and manufacturer information. After assessing, since the test result is not affected by the changes, except SISO Mode 16 QAM EIRP are carrying out, the FG461443-01C report reuses test data from the FG461443C report.				

**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: Ming Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE/5G NR, and GNSS	
Antenna Type WWAN: <Taoglas Antenna>: Fixed External Antenna <Airgain Antenna>: Fixed External Antenna	

Support band and evaluated information	
Supported band	n2, n5, n7, n12, n13, n14, n17, n25 ,n26, n30, n38, n41, n66, n71 ,n77, n78
Evaluated and Tested band	n2, n5, n7, n12, n13, n14, n17, n25 ,n26, n30, n38, n41, n66, n71 ,n77, n78

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

Taoglas Antenna information(dBi)						
Band	Ant0	Ant1	Ant2	Ant3	Main Ant. #	MIMO Ant. #
N2	2.88				0	
N5	2.28				0	
N7	2.51				0	
N12	2.06				0	
N13	2.99				0	
N14	2.20				0	
N17	2.06				0	
N25	2.88				0	
N26	2.28				0	
N30	0.91				0	
N38	2.51		2.51		0	0+2
N41	2.83		2.51		0	0+2
N66	3.34				0	
N71	0.64				0	
N77_Part27Q		0.28		0.35	3	3+1
N77_Part27O		2.28		1.87	3	3+1
N78_Part27Q		0.28		0.35	3	3+1
N78_Part27O		0.60		0.54	3	3+1

Airgain Antenna information(dBi)						
Band	Ant0	Ant1	Ant2	Ant3	Main Ant. #	MIMO Ant. #
N2	3.08				0	
N5	0.7				0	
N7	3.4				0	
N12	3.04				0	
N13	1.27				0	
N14	1.15				0	
N17	3.04				0	
N25	3.08				0	
N26	0.76				0	
N30	0.94				0	
N38	3.33		3.02		0	0+2
N41	3.61		3.02		0	0+2
N66	3.02				0	
N71	2.8				0	
N77_Part27Q		-0.35		0.39	3	3+1
N77_Part27O		-0.5		-0.16	3	3+1
N78_Part27Q		-0.35		0.39	3	3+1
N78_Part27O		-0.5		-0.16	3	3+1

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site No.	Sporton Site No.
	TH03-HY
Test Engineer	Diego Huang
Temperature (°C)	22.2~23.6
Relative Humidity (%)	50.2~55.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	Sporton Site No.
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng 、 Tim Lee 、 Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ 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. 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.

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	All	1RB	L, M, H
EIRP	A, B, C	All	1RB	L, M, H
RSE	A	20 MHz or less	Inner_1RB	L or M or 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.

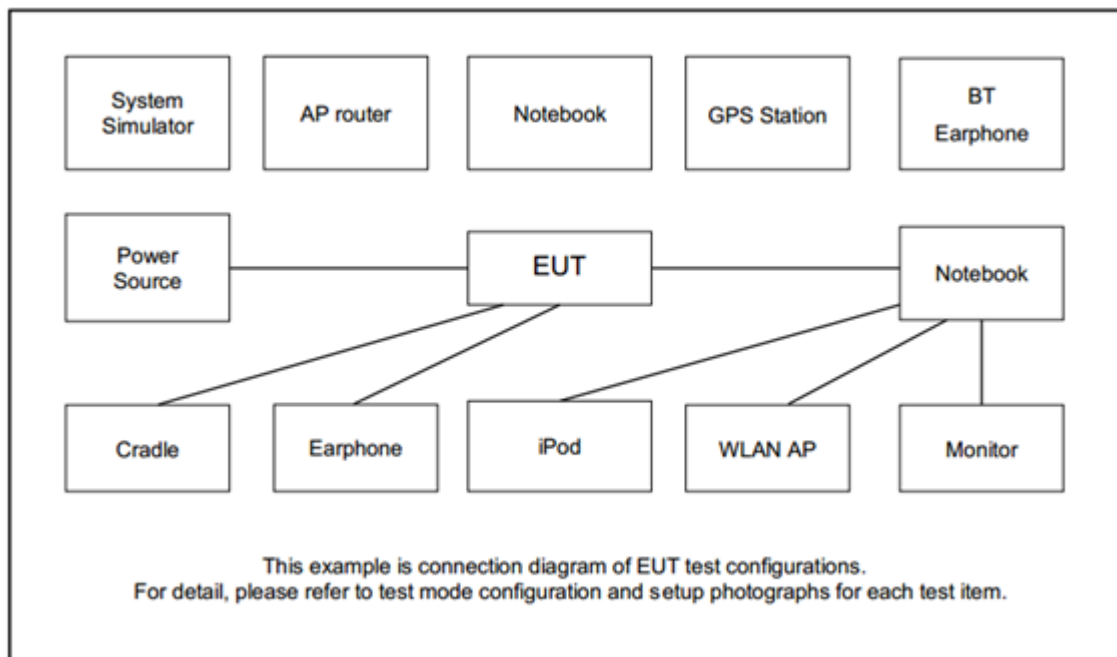
<MIMO Mode>

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	F, G	All	1RB	L, M, H
EIRP	F, G	All	1RB	L, M, H
RSE	F	20 MHz or less	Inner_1RB	L or M or 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.

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



2.4 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

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



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

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

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



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



5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	510000	518598	528000
	Frequency	2550	2592.99	2640
90	Channel	509004	518598	528996
	Frequency	2545.02	2592.99	2644.98
80	Channel	508002	518598	529998
	Frequency	2540.01	2592.99	2649.99
60	Channel	506004	518598	531996
	Frequency	2530.02	2592.99	2659.98
50	Channel	505002	518598	532998
	Frequency	2525.01	2592.99	2664.99
40	Channel	504000	518598	534000
	Frequency	2520	2592.99	2670
30	Channel	503004	518598	534996
	Frequency	2515.02	2592.99	2674.98
20	Channel	502002	518598	535998
	Frequency	2510.01	2592.99	2679.99
15	Channel	501504	518598	536496
	Frequency	2507.52	2592.99	2682.48
10	Channel	501000	518598	537000
	Frequency	2505	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
35	Channel	345500	349000	352500
	Frequency	1727.5	1745	1762.5
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 (Part270) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	650000	-
	Frequency	-	3750	-
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	6750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
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

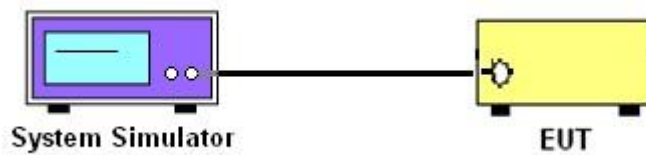
3 Conducted Test Items

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

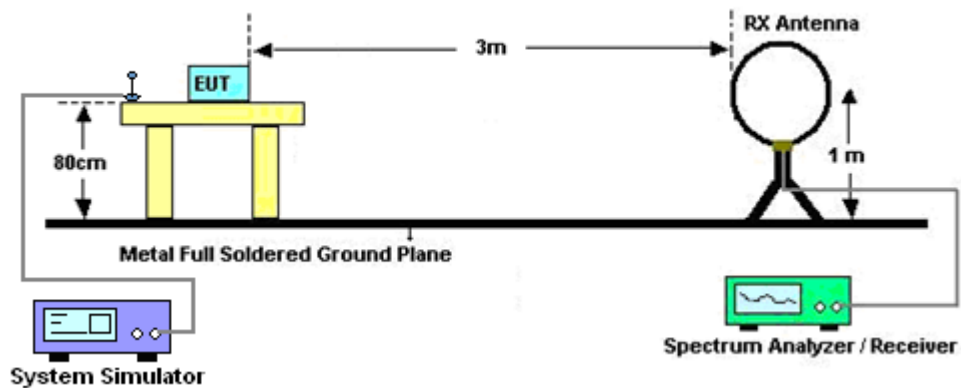
4 Radiated Test Items

4.1 Measuring Instruments

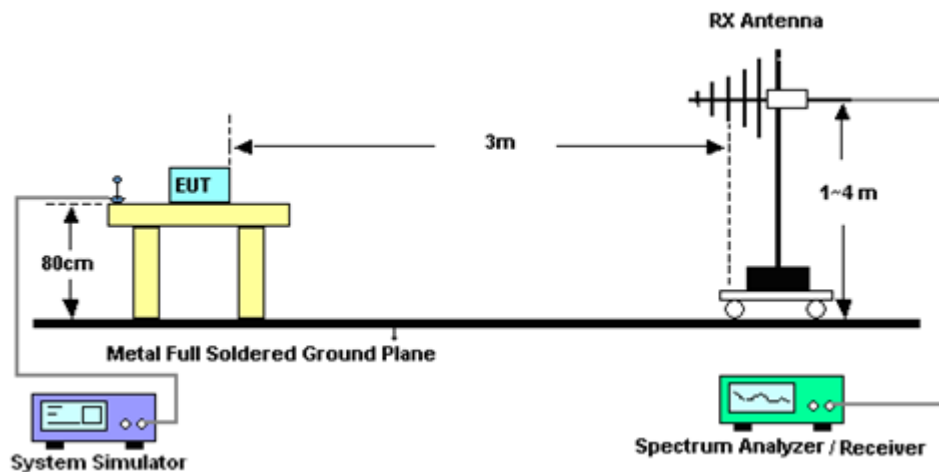
See list of measuring instruments of this test report.

4.1.1 Test Setup

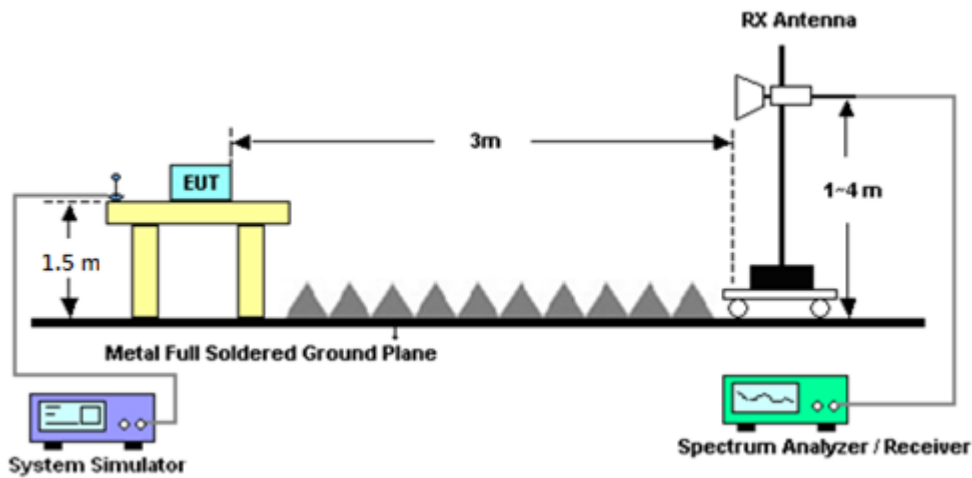
For radiated test below 30MHz



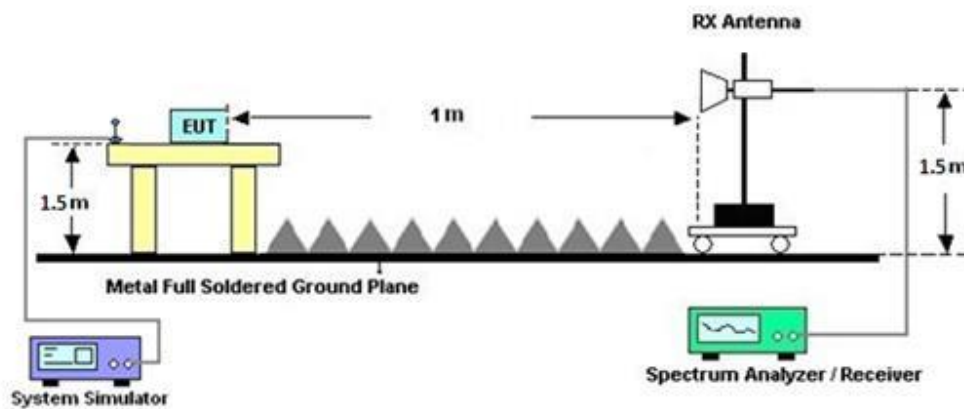
For radiated test from 30MHz to 1GHz



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 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.

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

4.2.2 Test Procedures

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

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



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Feb. 18, 2025~ Feb. 25, 2025	Aug. 28, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	Feb. 18, 2025~ Feb. 25, 2025	Nov. 26, 2025	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 11, 2024	Feb. 18, 2025~ Feb. 25, 2025	Jul. 10, 2025	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-5 6-01-A70	EC1900269	1GHz-18GHz	Dec. 19, 2024	Feb. 18, 2025~ Feb. 25, 2025	Dec. 18, 2025	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Aug. 09, 2024	Feb. 18, 2025~ Feb. 25, 2025	Aug. 08, 2025	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 09, 2024	Feb. 18, 2025~ Feb. 25, 2025	Sep. 08, 2025	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Feb. 18, 2025~ Feb. 25, 2025	Jun. 23, 2025	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2024	Feb. 18, 2025~ Feb. 25, 2025	Dec. 01, 2025	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-900-100 0-15000-60SS	SN11	1GHz High Pass Filter	Mar. 13, 2024	Feb. 18, 2025~ Feb. 25, 2025	Mar. 12, 2025	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLKS1200-12SS	SN2	1.2GHz Low Pass Filter	Mar. 13, 2024	Feb. 18, 2025~ Feb. 25, 2025	Mar. 12, 2025	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-2700-30 00-18000-60ST	SN2	3GHz High Pass Filter	Mar. 13, 2024	Feb. 18, 2025~ Feb. 25, 2025	Mar. 12, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Feb. 18, 2025~ Feb. 25, 2025	Mar. 05, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 19, 2024	Feb. 18, 2025~ Feb. 25, 2025	Dec. 18, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Nov. 01, 2024	Feb. 18, 2025~ Feb. 25, 2025	Oct. 31, 2025	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM-KM -100	240907	30MHz~40GHz	Nov. 14, 2024	Feb. 18, 2025~ Feb. 25, 2025	Nov. 13, 2025	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Aug. 29, 2024	Feb. 18, 2025~ Feb. 25, 2025	Aug. 28, 2025	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 18, 2025~ Feb. 25, 2025	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 18, 2025~ Feb. 25, 2025	N/A	Radiation (03CH12-HY)
Radio Communication Analyze	Anritsu	MT8821C	6262116730	LTE	Jun. 28, 2024	Feb. 18, 2025~ Feb. 25, 2025	Jun. 27, 2025	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 18, 2025~ Feb. 25, 2025	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Feb. 18, 2025~ Feb. 25, 2025	N/A	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 23, 2024	Sep. 27, 2024~ Mar. 11, 2025	Apr. 22, 2025	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20℃ ~85℃	Dec. 13, 2023	Sep. 27, 2024~ Nov. 11, 2024	Dec. 12, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20℃ ~85℃	Dec. 10, 2024	Nov. 12, 2024~ Mar. 11, 2025	Dec. 09, 2025	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	Sep. 27, 2024~ Mar. 11, 2025	Mar. 13, 2025	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	NA	Nov. 01, 2024	Jun. 13, 2025~ Jun. 16, 2025	Oct. 31, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262044657	LTE	May 22, 2024	Sep. 27, 2024~ Mar. 11, 2025	May 21, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134937	FR1	Jul. 31, 2024	Sep. 27, 2024~ Jun. 16, 2025	Jul. 30, 2025	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jun. 27, 2024	Sep. 27, 2024~ Jun. 16, 2025	Jun. 26, 2025	Conducted (TH03-HY)
RF Cable	MVE	MCBL-LL403P.50	E80002C	9KHz~40GHz	Aug. 23, 2024	Sep. 27, 2024~ Jun. 16, 2025	Aug. 22, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_ 20231106	N/A	Conducted Test Item	N/A	Sep. 27, 2024~ Jun. 16, 2025	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% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

NR n2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.99	23.85	23.90	27.07	0.5093
5	1	1	QPSK	23.96	23.83	23.85		
5	1	1	16-QAM	22.83	22.89	22.63	25.97	0.3954
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.19	23.90	23.99	27.27	0.5333
10	1	1	QPSK	24.19	23.82	23.99		
10	1	1	16-QAM	22.88	22.86	22.91	25.99	0.3972
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.00	23.99	23.86	27.09	0.5117
15	1	1	QPSK	24.01	23.89	23.80		
15	1	1	16-QAM	22.93	22.78	22.75	26.01	0.3990
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.08	23.95	23.92	27.16	0.5200
20	1	1	QPSK	24.02	23.80	23.69		
20	1	1	16-QAM	22.96	22.77	22.69	26.04	0.4018
Limit	EIRP < 2W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.88	23.70	23.41	24.02	0.2523
5	1	1	QPSK	23.89	23.75	23.45		
5	1	1	16-QAM	22.78	22.56	22.34	22.91	0.1954
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.76	23.73	23.50	23.94	0.2477
10	1	1	QPSK	23.81	23.73	23.49		
10	1	1	16-QAM	22.73	22.54	22.38	22.86	0.1932
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.99	23.88	23.74	24.12	0.2582
15	1	1	QPSK	23.96	23.93	23.77		
15	1	1	16-QAM	22.78	22.68	22.54	22.91	0.1954
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.91	23.95	23.86	24.16	0.2606
20	1	1	QPSK	23.94	24.03	23.81		
20	1	1	16-QAM	22.74	22.73	22.63	22.87	0.1936
Limit	ERP < 7W			Result			Pass	



NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.55	23.47	23.54	26.97	0.4977
5	1	1	QPSK	23.55	23.42	23.57		
5	1	1	16-QAM	22.18	22.21	22.32	25.72	0.3733
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.32	23.32	23.57	27.03	0.5047
10	1	1	QPSK	23.27	23.40	23.63		
10	1	1	16-QAM	22.18	22.15	22.21	25.61	0.3639
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.55	23.60	23.82	27.22	0.5272
15	1	1	QPSK	23.43	23.63	23.81		
15	1	1	16-QAM	22.28	22.35	22.28	25.747	0.3756
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.53	23.53	23.77	27.2	0.5248
20	1	1	QPSK	23.57	23.51	23.80		
20	1	1	16-QAM	22.09	22.27	22.29	25.69	0.3707
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.66	23.48	23.86	27.28	0.5346
25	1	1	QPSK	23.71	23.58	23.88		
25	1	1	16-QAM	22.18	22.23	22.30	25.7	0.3715
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.41	23.43	23.61	27.02	0.5035
30	1	1	QPSK	23.44	23.36	23.62		
30	1	1	16-QAM	22.15	22.26	22.14	25.66	0.3681
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.56	23.56	23.76	27.24	0.5297
40	1	1	QPSK	23.61	23.53	23.84		
40	1	1	16-QAM	22.21	22.11	22.35	25.75	0.3758
Limit	EIRP < 2W			Result			Pass	



NR n12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.03	22.96	22.72	24.04	0.2535
5	1	1	QPSK	23.15	22.88	22.76		
5	1	1	16-QAM	21.85	21.62	21.53	22.74	0.1879
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.13	23.17	22.97	24.06	0.2547
10	1	1	QPSK	23.07	23.15	22.90		
10	1	1	16-QAM	22.01	21.84	21.65	22.9	0.1950
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.01	23.02	22.99	23.93	0.2472
15	1	1	QPSK	22.95	23.04	23.01		
15	1	1	16-QAM	21.93	21.98	21.98	22.87	0.1936
Limit	ERP < 3W			Result			Pass	

NR n13 Maximum Average Power [dBm] (GT - LC = 2.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	22.98	22.94	22.64	23.82	0.2410
5	1	1	QPSK	22.89	22.89	22.69		
5	1	1	16-QAM	21.76	21.62	21.54	22.6	0.1820
Limit	ERP < 3W			Result			Pass	

NR n13 Maximum Average Power [dBm] (GT - LC = 2.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	22.98	-	23.82	0.2410
10	1	1	QPSK	-	22.87	-		
10	1	1	16-QAM	-	21.76	-	22.6	0.1820
Limit	ERP < 3W			Result			Pass	



NR n14 Maximum Average Power [dBm] (GT - LC = 2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	22.48	22.51	22.54	22.65	0.1841
5	1	1	QPSK	22.52	22.53	22.60		
5	1	1	16-QAM	21.56	21.54	21.41	21.61	0.1449
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = 2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	22.73	-	22.78	0.1897
10	1	1	QPSK	-	22.64	-		
10	1	1	16-QAM	-	21.52	-	21.57	0.1435
Limit	ERP < 3W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.19	22.89	23.09	26.34	0.4305
5	1	1	QPSK	23.26	22.92	23.13		
5	1	1	16-QAM	21.98	21.73	21.92	25.06	0.3206
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.32	22.95	23.16	26.4	0.4365
10	1	1	QPSK	23.19	22.91	23.20		
10	1	1	16-QAM	22.01	21.69	21.89	25.0921	0.3230
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.31	22.98	23.05	26.39	0.4355
15	1	1	QPSK	23.26	23.01	23.02		
15	1	1	16-QAM	22.05	21.84	21.98	25.13	0.3258
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.40	23.19	23.24	26.53	0.4498
20	1	1	QPSK	23.45	23.14	23.22		
20	1	1	16-QAM	22.21	21.77	21.86	25.29	0.3381
Limit	EIRP < 2W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.42	23.24	23.21	26.55	0.4519
25	1	1	QPSK	23.47	23.13	23.28		
25	1	1	16-QAM	22.29	21.95	22.06	25.37	0.3443
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.58	23.29	23.17	26.66	0.4634
30	1	1	QPSK	23.58	23.25	23.10		
30	1	1	16-QAM	22.21	22.01	21.92	25.29	0.3381
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
35	1	1	PI/2 BPSK	23.53	23.26	23.22	26.67	0.4645
35	1	1	QPSK	23.59	23.29	23.33		
35	1	1	16-QAM	22.19	22.03	22.01	25.27	0.3365
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.51	23.29	23.31	26.6	0.4571
40	1	1	QPSK	23.52	23.36	23.33		
40	1	1	16-QAM	22.24	22.01	21.92	25.32	0.3404
Limit	EIRP < 2W			Result			Pass	



NR n26 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	22.90	22.75	22.44	23.03	0.2009
5	1	1	QPSK	22.79	22.82	22.47		
5	1	1	16-QAM	21.64	21.47	21.12	21.77	0.1503
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	22.82	22.88	22.54	23.01	0.2000
10	1	1	QPSK	22.74	22.86	22.61		
10	1	1	16-QAM	21.57	21.64	21.31	21.77	0.1503
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	22.98	22.91	22.82	23.15	0.2065
15	1	1	QPSK	23.02	22.91	22.77		
15	1	1	16-QAM	21.75	21.65	21.45	21.88	0.1542
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	22.66	22.72	22.58	22.85	0.1928
20	1	1	QPSK	22.57	22.71	22.65		
20	1	1	16-QAM	21.72	21.63	21.57	21.85	0.1531
Limit	ERP < 7W			Result			Pass	



NR n30 Maximum Average Power [dBm] (GT - LC = 0.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.85	22.80	22.86	23.8	0.2399
5	1	1	QPSK	22.86	22.84	22.83		
5	1	1	16-QAM	22.42	22.35	22.38	23.36	0.2168
Limit	EIRP < 250 mW/5MHz			Result			Pass	

NR n30 Maximum Average Power [dBm] (GT - LC = 0.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	-	22.85	-	23.79	0.2393
10	1	1	QPSK	-	22.77	-		
10	1	1	16-QAM	-	22.34	-	23.28	0.2128
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 = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.18	23.18	23.33	26.66	0.4634
10	1	1	QPSK	23.15	23.09	23.27		
10	1	1	16-QAM	22.15	22.08	22.17		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.28	23.27	23.51	26.84	0.4831
15	1	1	QPSK	23.21	23.20	23.51		
15	1	1	16-QAM	22.06	22.18	22.13		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.27	23.24	23.43	26.76	0.4742
20	1	1	QPSK	23.22	23.18	23.38		
20	1	1	16-QAM	21.98	22.16	22.15		
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.31	23.32	23.45	26.78	0.4764
30	1	1	QPSK	23.35	23.29	23.38		
30	1	1	16-QAM	22.22	22.35	22.35	25.68	0.3698
Limit	EIRP < 2W			Result			Pass	

NR n38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.19	23.24	23.21	26.57	0.4539
40	1	1	QPSK	23.14	23.22	23.15		
40	1	1	16-QAM	22.15	22.21	22.26		
Limit	EIRP < 2W			Result			Pass	



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.06	26.30	26.21	29.94	0.9863
10	1	1	QPSK	26.04	26.33	26.23		
10	1	1	16-QAM	24.73	25.01	25.26	28.87	0.7709
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.18	26.47	26.53	30.14	1.0328
15	1	1	QPSK	26.19	26.40	26.52		
15	1	1	16-QAM	24.95	25.21	25.27	28.88	0.7727
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.05	26.42	26.40	30.04	1.0093
20	1	1	QPSK	26.00	26.37	26.43		
20	1	1	16-QAM	24.84	25.24	25.15	28.85	0.7674
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.21	26.42	26.63	30.24	1.0568
30	1	1	QPSK	26.20	26.46	26.59		
30	1	1	16-QAM	24.89	25.15	25.06	28.76	0.7516
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.12	26.49	26.55	30.16	1.0375
40	1	1	QPSK	26.19	26.53	26.53		
40	1	1	16-QAM	25.01	25.12	25.16	28.77	0.7534
Limit	EIRP < 2W			Result			Pass	



NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.14	26.36	26.22	29.97	0.9931
50	1	1	QPSK	26.14	26.34	26.17		
50	1	1	16-QAM	24.85	25.08	24.85	28.69	0.7396
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.03	26.35	25.83	29.96	0.9908
60	1	1	QPSK	26.03	26.31	25.79		
60	1	1	16-QAM	24.78	24.96	24.58	28.57	0.7194
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.81	26.20	25.23	29.81	0.9572
80	1	1	QPSK	25.82	26.20	25.24		
80	1	1	16-QAM	24.54	24.68	24.14	28.29	0.6745
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.87	26.21	25.32	29.82	0.9594
90	1	1	QPSK	25.85	26.16	25.30		
90	1	1	16-QAM	24.82	24.86	24.24	28.47	0.7031
Limit	EIRP < 2W			Result			Pass	

NR n41 HPUE Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.87	26.12	25.27	29.73	0.9397
100	1	1	QPSK	25.80	26.11	25.21		
100	1	1	16-QAM	24.68	24.84	24.24	28.45	0.6998
Limit	EIRP < 2W			Result			Pass	



NR n48 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	20.07	20.43	20.05	20.87	0.1222
10	1	1	QPSK	20.06	20.41	20.00		
10	1	1	16-QAM	20.01	20.38	20.01	20.82	0.1208
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	21.19	21.59	21.23	22.03	0.1596
15	1	1	QPSK	21.20	21.51	21.17		
15	1	1	16-QAM	20.45	20.65	20.39	21.09	0.1285
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	20.29	20.60	20.29	21.04	0.1271
20	1	1	QPSK	20.26	20.56	20.12		
20	1	1	16-QAM	20.11	20.18	20.24	20.68	0.1169
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	20.27	20.79	20.45	21.23	0.1327
30	1	1	QPSK	20.27	20.76	20.43		
30	1	1	16-QAM	20.18	20.54	20.24	20.98	0.1253
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

NR n48 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	18.41	20.76	18.52	21.2	0.1318
40	1	1	QPSK	18.35	20.70	18.46		
40	1	1	16-QAM	20.24	20.21	20.53	20.97	0.1250
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.



NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.75	22.34	23.29	26.65	0.4624
5	1	1	QPSK	22.66	22.37	23.31		
5	1	1	16-QAM	21.41	21.08	21.98	25.32	0.3404
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.72	22.41	23.14	26.48	0.4446
10	1	1	QPSK	22.73	22.34	23.10		
10	1	1	16-QAM	21.36	21.02	21.76	25.1	0.3236
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.86	22.56	23.00	26.34	0.4305
15	1	1	QPSK	22.84	22.47	22.97		
15	1	1	16-QAM	21.42	21.10	21.68	25.02	0.3177
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.83	22.50	22.91	26.25	0.4217
20	1	1	QPSK	22.79	22.48	22.88		
20	1	1	16-QAM	21.47	21.14	21.57	24.91	0.3097
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	22.91	22.65	22.91	26.28	0.4246
25	1	1	QPSK	22.87	22.71	22.94		
25	1	1	16-QAM	21.56	21.25	21.55	24.9	0.3090
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	22.98	22.62	22.70	26.33	0.4295
30	1	1	QPSK	22.99	22.73	22.66		
30	1	1	16-QAM	21.68	21.24	21.38	25.02	0.3177
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
35	1	1	PI/2 BPSK	22.73	22.50	22.28	26.07	0.4046
35	1	1	QPSK	22.67	22.52	22.21		
35	1	1	16-QAM	21.54	21.26	21.10	24.88	0.3076
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	22.68	22.45	22.25	26.02	0.3999
40	1	1	QPSK	22.67	22.51	22.32		
40	1	1	16-QAM	21.47	21.28	21.06	24.81	0.3027
Limit	EIRP < 1W			Result			Pass	



NR n71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.20	22.96	23.23	23.91	0.2460
5	1	1	QPSK	23.20	22.89	23.26		
5	1	1	16-QAM	22.04	21.92	21.98	22.69	0.1858
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.26	22.98	23.08	23.91	0.2460
10	1	1	QPSK	23.25	23.06	23.03		
10	1	1	16-QAM	21.95	21.99	21.88	22.64	0.1837
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.33	23.28	23.11	23.98	0.2500
15	1	1	QPSK	23.20	23.23	23.06		
15	1	1	16-QAM	22.05	22.12	21.98	22.77	0.1892
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.33	23.28	23.04	23.98	0.2500
20	1	1	QPSK	23.25	23.26	23.11		
20	1	1	16-QAM	22.01	22.14	21.98	22.79	0.1901
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
25	1	1	PI/2 BPSK	23.37	23.19	23.25	24.07	0.2553
25	1	1	QPSK	23.42	23.27	23.29		
25	1	1	16-QAM	22.16	22.17	22.15	22.82	0.1914
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
30	1	1	PI/2 BPSK	23.26	23.11	23.16	23.91	0.2460
30	1	1	QPSK	23.24	23.06	23.14		
30	1	1	16-QAM	22.05	22.24	22.15	22.89	0.1945
Limit	ERP < 3W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.15	24.93	24.66	27.02	0.5035
10	1	1	QPSK	25.10	24.91	24.64		
10	1	1	16-QAM	24.43	24.02	24.04	26.3	0.4266
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.37	24.97	24.99	27.24	0.5297
15	1	1	QPSK	25.31	25.01	24.97		
15	1	1	16-QAM	24.54	24.19	24.16	26.41	0.4375
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.38	25.02	25.00	27.25	0.5309
20	1	1	QPSK	25.31	24.97	24.95		
20	1	1	16-QAM	24.54	24.17	24.18	26.41	0.4375
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.40	25.13	25.04	27.27	0.5333
30	1	1	QPSK	25.40	25.08	25.01		
30	1	1	16-QAM	24.60	24.28	24.04	26.47	0.4436
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.68	25.28	24.99	27.55	0.5689
40	1	1	QPSK	25.66	25.27	24.92		
40	1	1	16-QAM	24.73	24.40	24.20	26.6	0.4571
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.14	24.88	24.72	27.02	0.5035
50	1	1	QPSK	25.15	24.74	24.68		
50	1	1	16-QAM	24.31	23.89	23.79	26.18	0.4150
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.22	24.77	24.84	27.09	0.5117
60	1	1	QPSK	25.20	24.75	24.85		
60	1	1	16-QAM	24.21	23.84	24.03	26.08	0.4055
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.01	24.73	24.73	26.88	0.4875
70	1	1	QPSK	24.96	24.67	24.72		
70	1	1	16-QAM	24.18	23.79	23.95	26.05	0.4027
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.04	24.71	24.71	26.92	0.4920
80	1	1	QPSK	25.05	24.66	24.66		
80	1	1	16-QAM	24.18	23.80	23.96	26.05	0.4027
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.92	24.75	24.77	26.79	0.4775
90	1	1	QPSK	24.92	24.61	24.72		
90	1	1	16-QAM	24.09	23.80	23.89	25.96	0.3945
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 1.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.00	24.69	24.59	26.87	0.4864
100	1	1	QPSK	24.99	24.68	24.58		
100	1	1	16-QAM	24.05	23.81	23.84	25.92	0.3908
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.96	25.88	25.80	26.5	0.4467
10	1	1	QPSK	25.90	25.87	25.76		
10	1	1	16-QAM	24.97	24.92	24.75	25.51	0.3556
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.00	26.07	26.00	26.61	0.4581
15	1	1	QPSK	25.91	25.99	25.98		
15	1	1	16-QAM	25.07	25.01	25.04	25.61	0.3639
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.07	26.03	25.98	26.61	0.4581
20	1	1	QPSK	26.05	26.00	25.93		
20	1	1	16-QAM	25.00	25.08	25.03	25.62	0.3648
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.06	26.18	26.24	26.78	0.4764
30	1	1	QPSK	26.03	26.11	26.20		
30	1	1	16-QAM	25.13	25.13	25.11	25.67	0.3690
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.04	26.02	25.97	26.58	0.4550
40	1	1	QPSK	25.94	25.97	26.01		
40	1	1	16-QAM	25.13	25.23	25.19	25.77	0.3776
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.70	25.85	25.91	26.45	0.4416
50	1	1	QPSK	25.69	25.81	25.84		
50	1	1	16-QAM	24.73	24.76	24.71	25.3	0.3388
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.77	25.70	25.69	26.31	0.4276
60	1	1	QPSK	25.68	25.67	25.67		
60	1	1	16-QAM	24.69	24.52	24.66	25.23	0.3334
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.58	25.78	25.57	26.32	0.4285
70	1	1	QPSK	25.59	25.70	25.61		
70	1	1	16-QAM	24.69	24.59	24.71	25.25	0.3350
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.63	25.75	25.67	26.29	0.4256
80	1	1	QPSK	25.65	25.66	25.60		
80	1	1	16-QAM	24.63	24.59	24.67	25.21	0.3319
Limit	EIRP < 1W			Result			Pass	



Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.56	25.66	25.81	26.35	0.4315
90	1	1	QPSK	25.53	25.64	25.75		
90	1	1	16-QAM	24.63	24.56	24.47	25.17	0.3289
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.54 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.65	-	26.19	0.4159
100	1	1	QPSK	-	25.62	-		
100	1	1	16-QAM	-	24.66	-	25.2	0.3311
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.49	25.33	25.42	25.88	0.3873
10	1	1	QPSK	25.43	25.27	25.39		
10	1	1	16-QAM	24.48	24.40	24.33	24.87	0.3069
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	25.64	25.60	25.49	26.03	0.4009
15	1	1	QPSK	25.61	25.55	25.46		
15	1	1	16-QAM	24.67	24.65	24.45	25.06	0.3206
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	25.62	25.59	25.40	26.01	0.3990
20	1	1	QPSK	25.60	25.62	25.34		
20	1	1	16-QAM	24.70	24.73	24.61	25.12	0.3251
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.66	25.73	25.53	26.15	0.4121
30	1	1	QPSK	25.60	25.76	25.46		
30	1	1	16-QAM	24.81	24.81	24.69	25.2	0.3311
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.86	25.73	25.39	26.25	0.4217
40	1	1	QPSK	25.82	25.70	25.37		
40	1	1	16-QAM	24.87	24.90	24.61	25.29	0.3381
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.34	25.53	25.22	25.92	0.3908
50	1	1	QPSK	25.33	25.52	25.17		
50	1	1	16-QAM	24.72	24.71	24.56	25.11	0.3243
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.43	25.43	25.43	25.84	0.3837
60	1	1	QPSK	25.37	25.45	25.45		
60	1	1	16-QAM	24.62	24.68	24.62	25.07	0.3214
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.28	25.28	25.37	25.76	0.3767
70	1	1	QPSK	25.26	25.24	25.34		
70	1	1	16-QAM	24.53	24.62	24.61	25.01	0.3170
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.29	25.22	25.28	25.68	0.3698
80	1	1	QPSK	25.27	25.19	25.13		
80	1	1	16-QAM	24.57	24.63	24.60	25.02	0.3177
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.25	25.28	25.26	25.67	0.3690
90	1	1	QPSK	25.16	25.17	25.23		
90	1	1	16-QAM	24.59	24.56	24.64	25.03	0.3184
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.35	-	25.74	0.3750
100	1	1	QPSK	-	25.22	-		
100	1	1	16-QAM	-	24.59	-	24.98	0.3148
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	26.21	26.18	26.08	26.6	0.4571
10	1	1	QPSK	26.19	26.13	26.04		
10	1	1	16-QAM	25.15	25.00	24.97	25.54	0.3581
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.35	26.32	26.19	26.74	0.4721
15	1	1	QPSK	26.31	26.25	26.14		
15	1	1	16-QAM	25.25	25.16	25.23	25.64	0.3664
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.39	26.35	26.15	26.78	0.4764
20	1	1	QPSK	26.31	26.33	26.09		
20	1	1	16-QAM	25.31	25.26	25.22	25.7	0.3715
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.31	26.28	26.13	26.7	0.4677
30	1	1	QPSK	26.22	26.23	26.11		
30	1	1	16-QAM	25.46	25.40	25.37	25.85	0.3846
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.50	26.48	26.21	26.89	0.4887
40	1	1	QPSK	26.50	26.48	26.22		
40	1	1	16-QAM	25.54	25.45	25.20	25.93	0.3917
Limit	EIRP < 1W			Result			Pass	



Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.99	26.10	25.94	26.49	0.4457
50	1	1	QPSK	26.00	26.10	25.91		
50	1	1	16-QAM	25.15	25.12	24.98	25.54	0.3581
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.20	26.09	26.14	26.59	0.4560
60	1	1	QPSK	26.10	26.09	26.09		
60	1	1	16-QAM	25.14	25.11	25.28	25.67	0.3690
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.97	26.03	26.12	26.51	0.4477
70	1	1	QPSK	25.97	26.00	26.11		
70	1	1	16-QAM	25.08	25.18	25.18	25.57	0.3606
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	26.01	26.01	25.91	26.4	0.4365
80	1	1	QPSK	25.97	25.96	25.88		
80	1	1	16-QAM	25.18	25.12	25.21	25.6	0.3631
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.96	25.95	26.03	26.42	0.4385
90	1	1	QPSK	25.89	25.94	25.94		
90	1	1	16-QAM	25.18	25.13	25.14	25.57	0.3606
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n78 HPUE Maximum Average Power [dBm] (GT - LC = 0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.99	-	26.38	0.4345
100	1	1	QPSK	-	25.98	-		
100	1	1	16-QAM	-	25.18	-	25.57	0.3606
Limit	EIRP < 1W			Result			Pass	



Part90s NR n26 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	22.63	22.63	22.55	22.77	0.1892
5	1	1	QPSK	22.62	22.64	22.58		
5	1	1	16-QAM	21.57	21.53	21.47	21.70	0.1479
Limit	ERP < 100W			Result			Pass	

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	22.88	-	23.01	0.2000
10	1	1	QPSK	-	22.84	-		
10	1	1	16-QAM	-	21.57	-	21.70	0.1479
Limit	ERP < 100W			Result			Pass	



NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.63	21.92	21.99	21.57	21.86	21.15	24.61	24.90	24.60	28.6	0.72
10	1	1	16-QAM	21.34	21.66	21.51	21.43	21.71	20.87	24.40	24.70	24.21	28.3	0.68
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	22.23	22.02	22.23	21.74	22.04	21.43	25.00	25.04	24.86	28.8	0.75
15	1	1	16-QAM	21.33	21.61	21.73	21.49	21.82	21.25	24.42	24.73	24.51	28.3	0.68
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	21.78	22.03	22.07	21.53	21.94	21.32	24.67	25.00	24.72	28.6	0.73
20	1	1	16-QAM	21.13	21.45	21.82	21.42	21.60	20.87	24.29	24.54	24.38	28.2	0.65
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	22.06	22.07	22.27	21.72	22.12	21.52	24.90	25.11	24.92	28.8	0.76
30	1	1	16-QAM	21.43	21.72	21.66	21.50	21.89	21.20	24.48	24.82	24.45	28.4	0.7
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	22.01	22.48	22.15	21.93	22.22	21.24	24.98	25.36	24.73	29	0.79
40	1	1	16-QAM	21.18	21.77	21.63	21.63	22.04	21.24	24.42	24.92	24.45	28.5	0.71
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.81	22.03	21.84	21.57	22.08	21.13	24.70	25.07	24.51	28.7	0.74
50	1	1	16-QAM	21.23	21.47	21.38	21.63	22.04	21.15	24.44	24.77	24.28	28.4	0.69
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	22.01	22.13	21.53	21.34	22.07	21.04	24.70	25.11	24.30	28.7	0.74
60	1	1	16-QAM	21.17	21.33	20.87	21.36	21.91	20.90	24.28	24.64	23.90	28.3	0.67
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	21.45	21.94	21.01	21.17	21.91	20.89	24.32	24.94	23.96	28.6	0.72
80	1	1	16-QAM	20.97	21.26	20.35	21.20	21.85	20.75	24.10	24.58	23.56	28.2	0.66
Limit	EIRP < 2W			Result									Pass	



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NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	21.56	21.95	21.02	21.32	21.81	20.96	24.45	24.89	24.00	28.6	0.72
90	1	1	16-QAM	20.94	21.23	20.53	21.22	21.50	20.51	24.09	24.38	23.53	28	0.63
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.61 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	21.52	22.26	20.85	21.14	21.79	20.78	24.34	25.04	23.83	28.7	0.73
100	1	1	16-QAM	20.89	21.50	20.50	21.12	21.74	20.66	24.02	24.63	23.59	28.2	0.67
Limit	EIRP < 2W			Result									Pass	



Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.04	20.56	20.36	21.12	21.54	21.25	24.09	24.09	23.84	26.5	0.45
10	1	1	16-QAM	20.31	20.02	19.69	20.65	20.78	20.96	23.49	23.43	23.38	25.8	0.38
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	21.23	20.65	20.75	21.41	21.60	21.51	24.33	24.16	24.16	26.8	0.48
15	1	1	16-QAM	20.42	20.06	20.10	21.06	21.14	21.25	23.76	23.64	23.72	26	0.4
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	21.19	20.84	20.65	21.47	21.53	21.53	24.34	24.21	24.12	26.7	0.47
20	1	1	16-QAM	20.51	20.27	19.99	20.99	21.17	21.15	23.77	23.75	23.62	26.1	0.4
Limit	EIRP < 1W			Result									Pass	





Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi

RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP	
Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)	
30	1	1	QPSK	21.03	20.86	20.85	21.28	21.62	21.68	24.17	24.27	24.30	26.8	0.48
30	1	1	16-QAM	20.57	20.36	20.29	20.91	21.22	21.22	23.75	23.82	23.79	26.1	0.41
Limit	EIRP < 1W		Result									Pass		

Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	21.49	20.96	20.88	21.54	21.71	21.65	24.53	24.36	24.29	26.8	0.48
40	1	1	16-QAM	20.81	20.38	20.02	21.18	21.32	21.22	24.01	23.89	23.67	26.3	0.43
Limit	EIRP < 1W			Result									Pass	





Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi

(MHz)	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.02	20.65	20.57	21.12	21.41	21.39	24.08	24.06	24.01	26.4	0.44
50	1	1	16-QAM	20.06	19.93	19.90	20.68	20.74	20.96	23.39	23.36	23.47	25.8	0.38
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	20.93	20.74	20.77	21.22	21.37	21.25	24.09	24.08	24.03	26.4	0.43
60	1	1	16-QAM	20.30	19.90	19.99	20.73	20.93	20.84	23.53	23.46	23.45	25.8	0.38
Limit	EIRP < 1W			Result									Pass	



Part27O NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	20.70	20.48	20.15	20.96	21.26	20.93	23.84	23.90	23.57	26.2	0.42
70	1	1	16-QAM	20.10	19.73	19.69	20.46	20.71	20.39	23.29	23.26	23.06	25.6	0.36
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	20.89	20.45	20.57	21.07	21.20	21.11	23.99	23.85	23.86	26.3	0.42
80	1	1	16-QAM	20.20	19.84	20.00	20.34	20.29	20.17	23.28	23.08	23.10	25.6	0.36
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	20.70	20.48	20.62	20.94	21.19	21.24	23.83	23.86	23.95	26.3	0.42
90	1	1	16-QAM	19.81	19.99	19.72	20.38	20.65	20.76	23.11	23.34	23.28	25.6	0.36
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	20.91	20.49	20.36	21.08	21.18	21.04	24.01	23.86	23.72	26.3	0.43
100	1	1	16-QAM	20.14	19.93	19.79	20.45	20.77	20.78	23.31	23.38	23.32	25.7	0.37
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.30	21.24	21.25	21.34	21.26	21.24	24.33	24.26	24.26	25	0.32
10	1	1	16-QAM	20.84	20.95	20.63	20.94	20.85	21.07	23.90	23.91	23.87	24.5	0.28
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	21.43	21.65	21.45	21.52	21.58	21.55	24.49	24.63	24.51	25.3	0.34
15	1	1	16-QAM	20.92	20.89	21.18	21.27	21.34	21.50	24.11	24.13	24.35	25	0.31
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	21.42	21.52	21.55	21.65	21.59	21.67	24.55	24.57	24.62	25.2	0.33
20	1	1	16-QAM	20.90	21.07	20.82	21.39	21.31	21.37	24.16	24.20	24.11	24.8	0.3
Limit	EIRP < 1W			Result									Pass	



Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	21.56	21.69	21.60	21.53	21.61	21.83	24.56	24.66	24.73	25.4	0.35
30	1	1	16-QAM	21.15	21.10	21.34	21.20	21.33	21.56	24.19	24.23	24.46	25.1	0.32
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	21.79	21.71	21.88	21.75	21.79	21.78	24.78	24.76	24.84	25.5	0.35
40	1	1	16-QAM	21.19	21.33	21.13	21.45	21.40	21.59	24.33	24.38	24.38	25	0.31
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.25	21.42	21.59	21.32	21.36	21.55	24.30	24.40	24.58	25.2	0.33
50	1	1	16-QAM	20.63	20.77	20.93	20.85	21.26	21.17	23.75	24.03	24.06	24.7	0.29
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.36	21.08	21.23	21.36	21.41	21.15	24.37	24.26	24.20	25.1	0.32
60	1	1	16-QAM	20.64	20.65	20.93	21.02	21.08	21.15	23.84	23.88	24.05	24.7	0.29
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	21.28	21.32	21.21	21.12	21.30	21.11	24.21	24.32	24.17	25	0.31
70	1	1	16-QAM	20.83	20.54	20.49	20.73	21.03	20.84	23.79	23.80	23.68	24.4	0.28
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	21.21	21.26	21.08	21.08	21.26	21.16	24.16	24.27	24.13	24.9	0.31
80	1	1	16-QAM	20.35	20.82	20.86	20.68	20.91	20.75	23.53	23.88	23.82	24.5	0.28
Limit	EIRP < 1W			Result									Pass	



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Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	21.14	21.04	21.15	21.06	21.24	21.25	24.11	24.15	24.21	25	0.31
90	1	1	16-QAM	20.17	20.59	20.70	20.57	20.58	21.01	23.38	23.60	23.87	24.5	0.28
Limit	EIRP < 1W			Result									Pass	

Part270 NR n78 Maximum Average Power [dBm], DG = 0.6 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	21.32	-	-	21.23	-	-	24.29	-	25	0.32
100	1	1	16-QAM	-	20.42	-	-	20.89	-	-	23.67	-	24.3	0.27
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.03	21.23	21.16	21.90	21.70	21.74	24.50	24.48	24.47	26.9	0.49
10	1	1	16-QAM	20.61	20.34	20.60	21.53	21.35	21.30	24.10	23.88	23.97	26.4	0.43
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	21.33	21.45	21.20	22.18	22.05	21.86	24.79	24.77	24.55	27.1	0.51
15	1	1	16-QAM	20.69	20.63	20.74	21.63	21.24	21.34	24.20	23.96	24.06	26.5	0.44
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	21.43	21.30	21.03	22.04	21.93	21.68	24.76	24.64	24.38	27	0.51
20	1	1	16-QAM	20.83	20.81	20.55	21.53	21.59	21.30	24.20	24.23	23.95	26.5	0.45
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	21.53	21.56	21.41	22.20	21.97	22.05	24.89	24.78	24.75	27.3	0.53
30	1	1	16-QAM	20.89	20.84	20.77	21.71	21.51	21.43	24.33	24.20	24.12	26.6	0.46
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	21.48	21.52	21.34	22.15	22.12	21.82	24.84	24.84	24.60	27.1	0.52
40	1	1	16-QAM	20.95	20.84	20.67	21.83	21.56	21.46	24.42	24.23	24.09	26.7	0.47
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.15	21.31	21.12	21.82	21.70	21.67	24.51	24.52	24.41	26.8	0.48
50	1	1	16-QAM	20.48	20.53	20.47	21.39	21.27	21.21	23.97	23.93	23.87	26.3	0.42
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.26	21.30	21.28	21.96	21.80	21.68	24.63	24.57	24.49	26.9	0.49
60	1	1	16-QAM	20.57	20.50	20.60	21.43	21.34	21.40	24.03	23.95	24.03	26.3	0.43
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	21.01	21.07	21.06	21.63	21.59	21.67	24.34	24.35	24.39	26.7	0.46
70	1	1	16-QAM	20.63	20.21	20.59	21.18	21.26	21.30	23.92	23.78	23.97	26.3	0.42
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	20.95	20.97	21.01	21.67	21.70	21.62	24.34	24.36	24.34	26.6	0.46
80	1	1	16-QAM	20.28	20.35	20.40	21.22	21.15	21.21	23.79	23.78	23.83	26.1	0.41
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	21.15	20.99	21.08	21.63	21.76	21.69	24.41	24.40	24.41	26.7	0.47
90	1	1	16-QAM	20.32	20.06	20.45	21.24	21.18	21.36	23.81	23.67	23.94	26.2	0.42
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 Maximum Average Power [dBm], DG = 2.28 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	21.18	-	-	21.82	-	-	24.52	-	26.8	0.48
100	1	1	16-QAM	-	20.48	-	-	21.29	-	-	23.91	-	26.2	0.42
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	21.66	21.87	21.65	21.72	21.62	21.76	24.70	24.76	24.72	26	0.4
10	1	1	16-QAM	21.12	21.02	20.93	21.33	21.32	21.31	24.24	24.18	24.13	25.4	0.35
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	21.67	21.95	21.56	21.71	21.76	21.71	24.70	24.87	24.65	26.1	0.4
15	1	1	16-QAM	21.40	21.51	21.18	21.32	21.44	21.11	24.37	24.49	24.16	25.7	0.37
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	22.01	21.76	21.40	21.88	21.75	21.71	24.96	24.77	24.57	26.2	0.41
20	1	1	16-QAM	21.36	21.19	21.24	21.47	21.59	21.46	24.43	24.40	24.36	25.6	0.36
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	21.98	22.04	21.64	21.77	21.87	21.67	24.88	24.97	24.67	26.2	0.41
30	1	1	16-QAM	21.51	21.27	21.16	21.56	21.30	21.07	24.55	24.30	24.13	25.7	0.38
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	22.15	21.86	21.68	21.82	21.94	21.72	25.00	24.91	24.71	26.2	0.42
40	1	1	16-QAM	21.57	21.56	21.18	21.79	21.63	21.27	24.69	24.61	24.24	25.9	0.39
Limit	EIRP < 1W			Result									Pass	



Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	21.68	21.46	21.36	21.54	21.51	21.35	24.62	24.50	24.37	25.8	0.38
50	1	1	16-QAM	20.92	21.02	20.86	21.12	21.03	21.08	24.03	24.04	23.98	25.2	0.33
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	21.63	21.47	21.72	21.57	21.61	21.56	24.61	24.55	24.65	25.8	0.38
60	1	1	16-QAM	21.07	20.92	20.99	21.31	20.97	21.32	24.20	23.96	24.17	25.4	0.35
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	21.72	21.54	21.72	21.32	21.49	21.62	24.53	24.53	24.68	25.9	0.39
70	1	1	16-QAM	21.24	20.89	21.12	21.14	20.86	21.52	24.20	23.89	24.33	25.5	0.36
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	21.72	21.42	21.36	21.46	21.35	21.37	24.60	24.40	24.38	25.8	0.38
80	1	1	16-QAM	21.09	20.81	20.76	21.15	21.20	21.11	24.13	24.02	23.95	25.3	0.34
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	21.42	21.52	21.65	21.34	21.34	21.51	24.39	24.44	24.59	25.8	0.38
90	1	1	16-QAM	20.92	21.16	20.88	21.24	21.19	21.21	24.09	24.19	24.06	25.4	0.35
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 Maximum Average Power [dBm], DG = 1.19 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	-	21.43	-	-	21.25	-	-	24.35	-	25.5	0.36
100	1	1	16-QAM	-	20.87	-	-	21.22	-	-	24.06	-	25.3	0.34
Limit	EIRP < 1W			Result									Pass	



NR n38 Maximum Average Power [dBm], DG = 3.33 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	18.66	18.55	18.87	18.62	18.75	18.90	21.65	21.66	21.90	25.4	0.35
10	1	1	16-QAM	18.23	18.11	18.36	18.56	18.49	18.70	21.41	21.31	21.54	24.9	0.31
Limit	EIRP < 2W			Result									Pass	

NR n38 Maximum Average Power [dBm], DG = 3.33 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	18.77	18.85	19.08	18.88	19.04	19.32	21.84	21.96	22.21	25.7	0.37
15	1	1	16-QAM	18.40	18.41	18.62	18.77	18.74	19.01	21.60	21.59	21.83	25.2	0.33
Limit	EIRP < 2W			Result									Pass	

NR n38 Maximum Average Power [dBm], DG = 3.33 dBi														
BW	RB	RB	Mod	Antenna 0			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	18.82	18.64	18.91	18.93	18.95	19.26	21.89	21.81	22.10	25.6	0.37
20	1	1	16-QAM	18.38	18.16	18.49	18.78	18.48	18.70	21.59	21.33	21.61	24.9	0.31
Limit	EIRP < 2W			Result									Pass	



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 22H	NR SA n5	M	2483	-39.00	RMS	27.93	-27.30	0.51	-95.23	55.09	-13.00	-26.00	V	Taoglas Antenna 0
2	Part 22H	NR SA n26	H	3378	-56.34	RMS	29.74	-26.16	0.41	-95.23	34.90	-13.00	-43.34	H	Taoglas Antenna 0
3	Part 24E	NR SA n25	M	7495	-58.88	RMS	36.61	-53.40	0.34	-95.23	52.80	-13.00	-45.88	H	Airgain Antenna 0
4	Part 27L	NR SA n66	M	5208	-44.60	RMS	33.28	-23.91	0.47	-95.23	40.79	-13.00	-31.60	H	Taoglas Antenna 0
5	Part 27D	NR SA n30	M	6917	-56.96	RMS	36.07	-53.72	0.34	-95.23	55.58	-40.00	-16.96	V	Airgain Antenna 0
6	Part 27H	NR SA n12	M	2117	-55.30	RMS	27.57	-27.57	0.65	-95.23	39.28	-13.00	-42.30	V	Airgain Antenna 0
7	Part 27F	NR SA n13	M	1560	-62.22	RMS	25.40	-29.65	0.85	-95.23	36.41	-42.15	-20.07	H	Taoglas Antenna 0
8	Part 27M	NR SA n7	L	10005	-56.55	RMS	38.31	-52.76	0.47	-95.23	52.66	-25.00	-31.55	V	Airgain Antenna 0
9	Part 27M	NR SA n41	H	10685	-50.89	RMS	39.20	-51.95	0.45	-95.23	56.64	-25.00	-25.89	V	Airgain Antenna 0
10	Part 27M	NR SA n41 MIMO	H	10685	-56.51	RMS	39.20	-51.95	0.45	-95.23	51.02	-25.00	-31.51	H	Airgain Antenna 0+2
11	Part 27N	NR SA n71	H	2038	-40.47	RMS	27.28	-60.16	0.64	-95.23	87.00	-13.00	-27.47	H	Airgain Antenna 0
12	Part 27Q	NR SA n77 MIMO	H	14125	-34.96	RMS	40.90	-15.43	0.45	-95.23	34.35	-13.00	-21.96	H	Taoglas Antenna 3+1
13	Part 27O	NR SA n77 MIMO	L	14805	-34.99	RMS	40.49	-15.60	0.42	-95.23	34.93	-13.00	-21.99	H	Taoglas Antenna 3+1
14	Part 90S	NR SA n26	H	2458	-44.90	RMS	27.70	-27.32	0.52	-95.23	49.43	-13.00	-31.90	V	Taoglas Antenna 0
15	Part 90R	NR SA n14	H	1587	-56.97	RMS	25.57	-61.11	0.80	-95.23	73.00	-42.15	-14.82	H	Taoglas Antenna 0

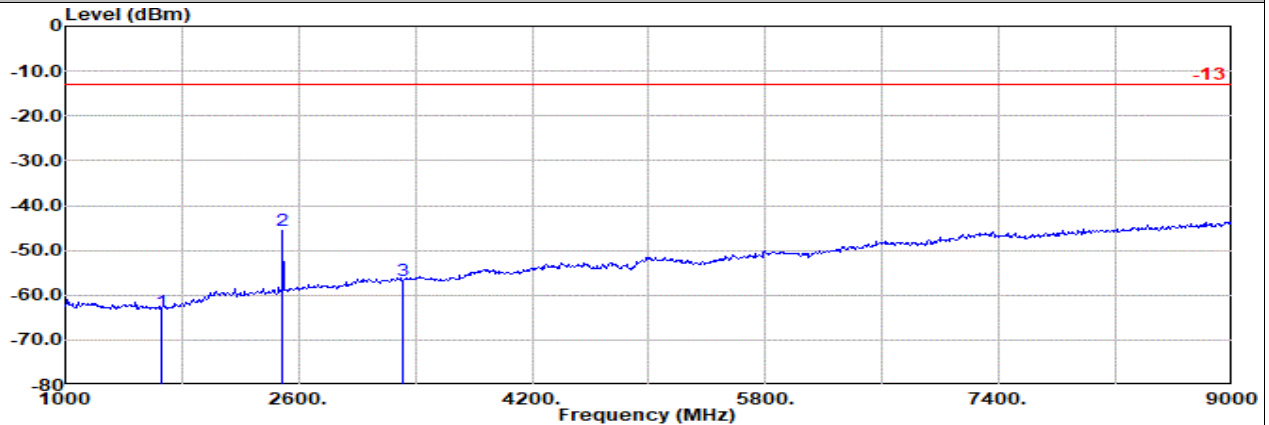


Taoglas Antenna 0

Part 22H Mode 1

NR SA n5 20M Ch167300 1RB1 BPSK

M

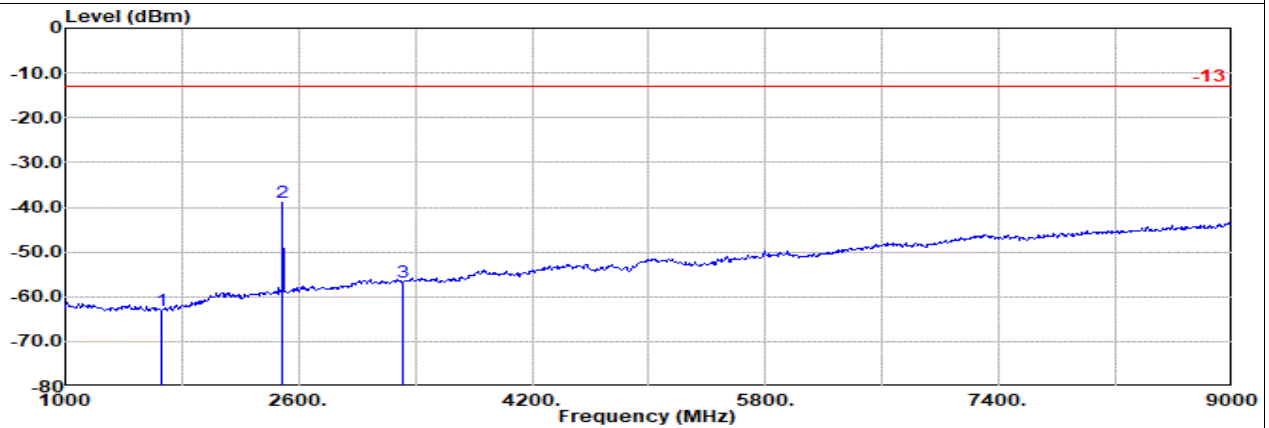


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: NR Band 5 20M Ch167300 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1655.00	-63.56	RMS	25.30	-29.22	0.75	-95.23	34.84	-13.00	-50.56	Horizontal
2	2483.00	-45.46	RMS	27.93	-27.30	0.51	-95.23	48.63	-13.00	-32.46	Horizontal
3	3311.00	-56.73	RMS	29.80	-26.28	0.40	-95.23	34.58	-13.00	-43.73	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: NR Band 5 20M Ch167300 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1655.00	-63.19	RMS	25.30	-29.22	0.75	-95.23	35.21	-13.00	-50.19	Vertical
2	2483.00	-39.00	RMS	27.93	-27.30	0.51	-95.23	55.09	-13.00	-26.00	Vertical
3	3311.00	-56.69	RMS	29.80	-26.28	0.40	-95.23	34.62	-13.00	-43.69	Vertical

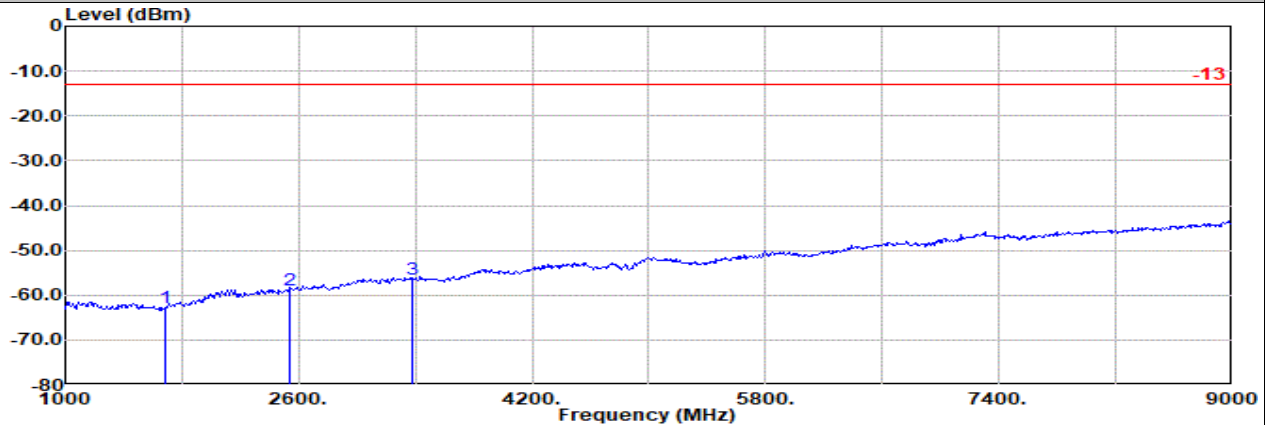


Taoglas Antenna 0

Part 22H Mode 2

NR SA n26 5M Ch169300 1RB1 BPSK

H

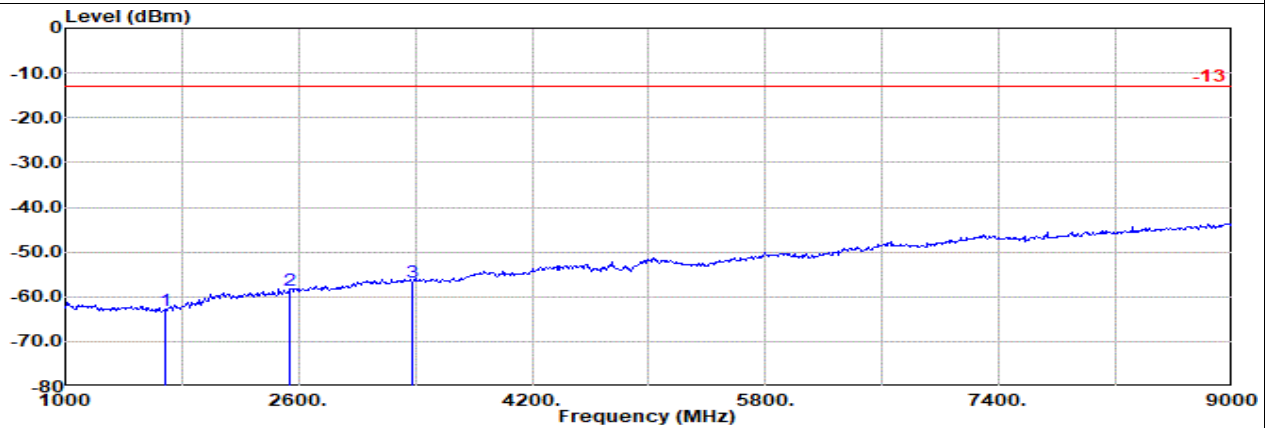


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: NR Band 26 5M Ch169300 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1689.00	-62.72	RMS	25.31	-29.08	0.73	-95.23	35.55	-13.00	-49.72	Horizontal
2	2533.00	-58.98	RMS	28.43	-27.25	0.49	-95.23	34.58	-13.00	-45.98	Horizontal
3	3378.00	-56.34	RMS	29.74	-26.16	0.41	-95.23	34.90	-13.00	-43.34	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: NR Band 26 5M Ch169300 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1689.00	-63.19	RMS	25.31	-29.08	0.73	-95.23	35.08	-13.00	-50.19	Vertical
2	2533.00	-58.49	RMS	28.43	-27.25	0.49	-95.23	35.07	-13.00	-45.49	Vertical
3	3378.00	-56.63	RMS	29.74	-26.16	0.41	-95.23	34.61	-13.00	-43.63	Vertical

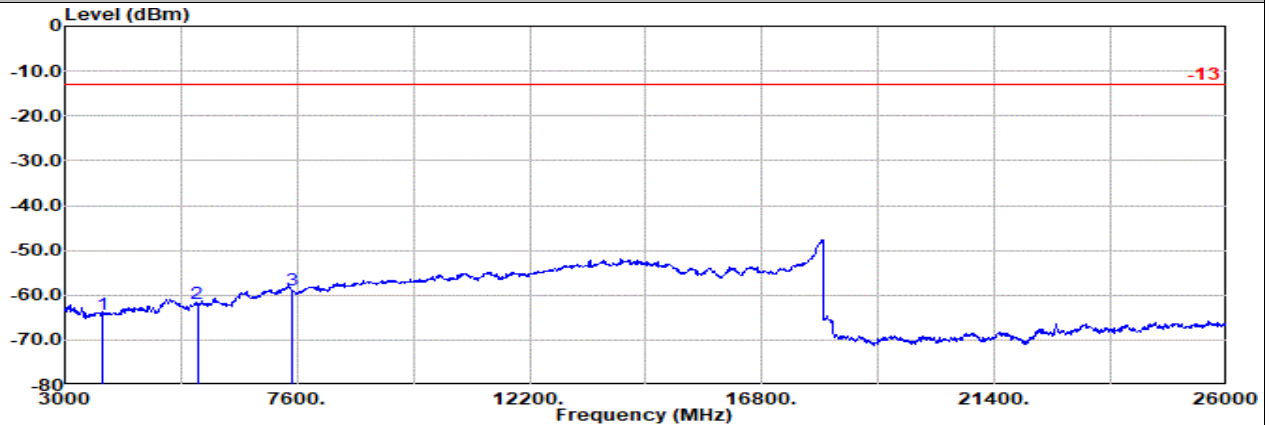


Airgain Antenna 0

Part 24E Mode 3

NR SA n25 20M Ch376500 1RB1 BPSK

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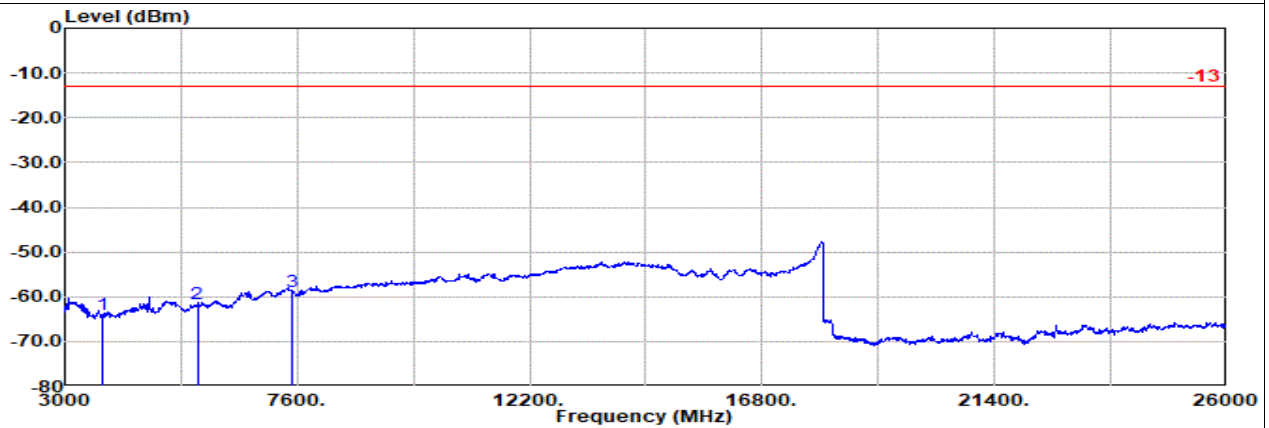


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

NR SA n25 20M Ch376500 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3747.00	-64.18	RMS	30.09	-57.81	0.71	-95.23	58.06	-13.00	-51.18 Horizontal
2	5621.00	-61.92	RMS	33.14	-55.08	0.39	-95.23	54.86	-13.00	-48.92 Horizontal
3	7495.00	-58.88	RMS	36.61	-53.40	0.34	-95.23	52.80	-13.00	-45.88 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

NR SA n25 20M Ch376500 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3747.00	-63.99	RMS	30.09	-57.81	0.71	-95.23	58.25	-13.00	-50.99 Vertical
2	5621.00	-61.67	RMS	33.14	-55.08	0.39	-95.23	55.11	-13.00	-48.67 Vertical
3	7495.00	-59.01	RMS	36.61	-53.40	0.34	-95.23	52.67	-13.00	-46.01 Vertical

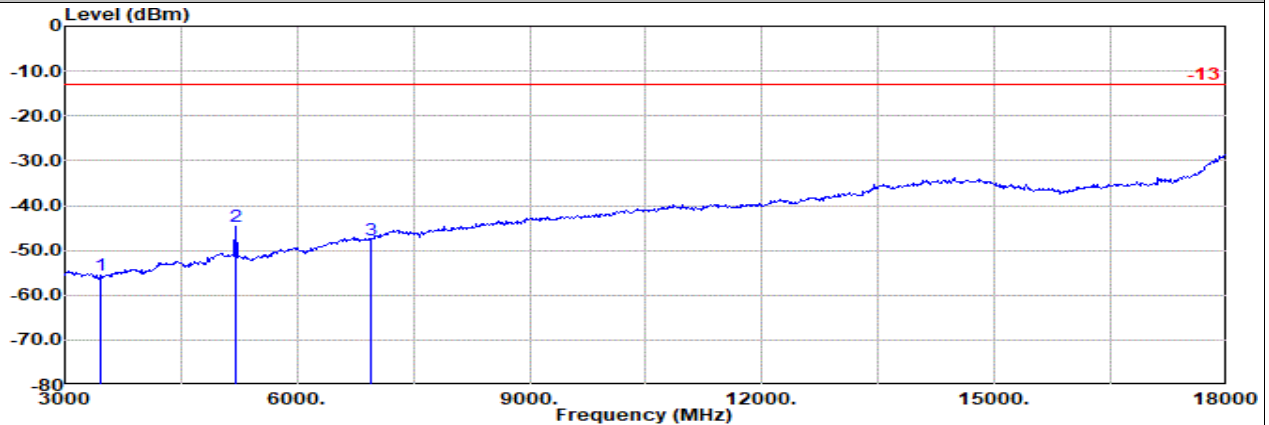


Taoglas Antenna 0

Part 27L Mode 4

NR SA n66 20M Ch349000 1RB1 BPSK

M

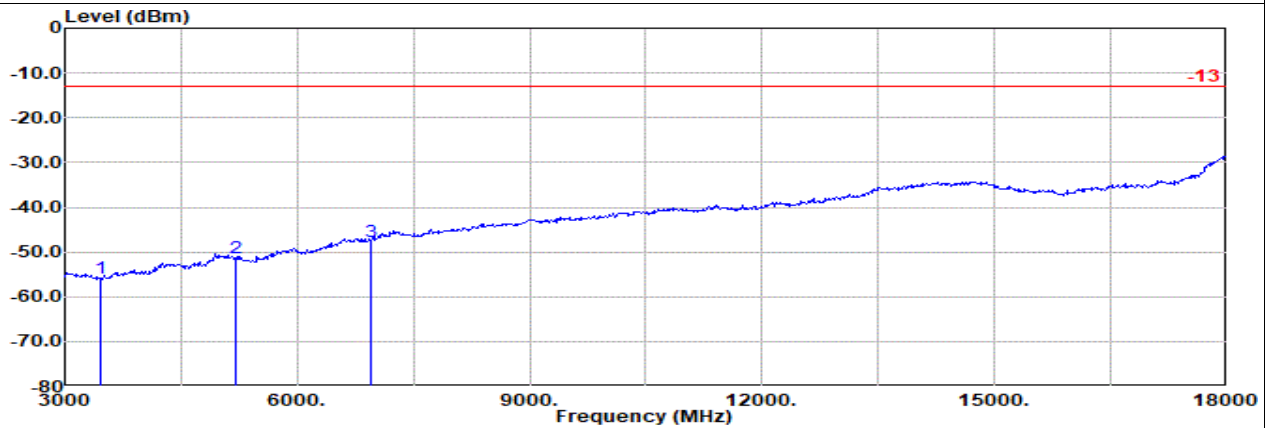


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

NR SA n66 20M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3472.00	-55.50	RMS	29.60	-26.02	0.99	-95.23	35.16	-13.00	-42.50 Horizontal
2	5208.00	-44.60	RMS	33.28	-23.91	0.47	-95.23	40.79	-13.00	-31.60 Horizontal
3	6945.00	-47.65	RMS	36.01	-22.49	0.34	-95.23	33.72	-13.00	-34.65 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

NR SA n66 20M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3472.00	-55.96	RMS	29.60	-26.02	0.99	-95.23	34.70	-13.00	-42.96 Vertical
2	5208.00	-51.34	RMS	33.28	-23.91	0.47	-95.23	34.05	-13.00	-38.34 Vertical
3	6945.00	-47.71	RMS	36.01	-22.49	0.34	-95.23	33.66	-13.00	-34.71 Vertical

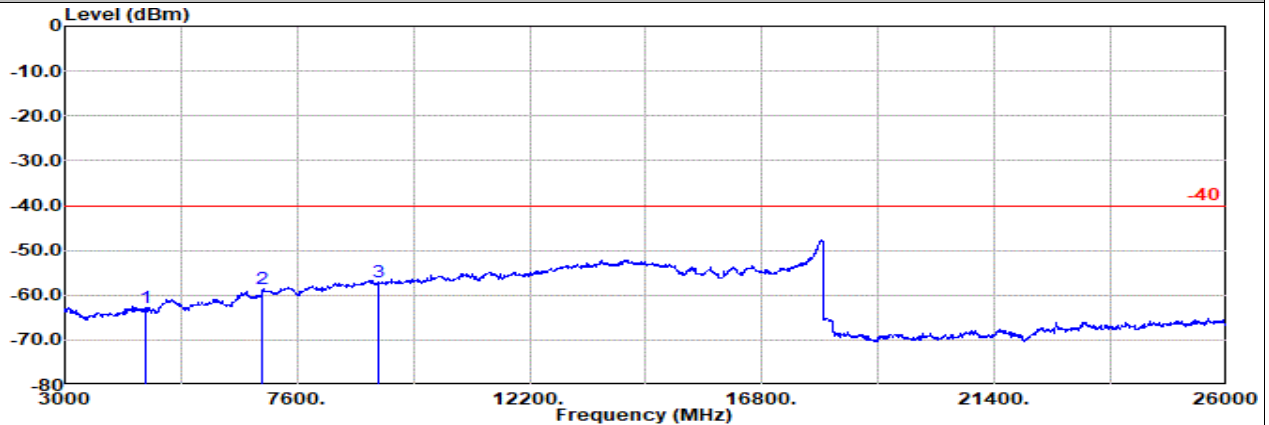


Airgain Antenna 0

Part 27D Mode 5

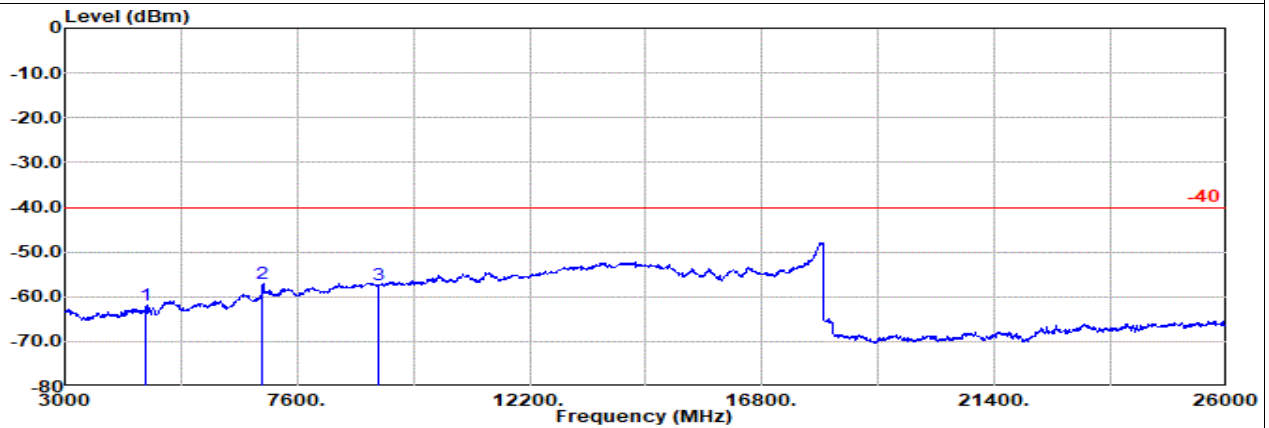
NR SA n30 10M Ch462000 1RB1 BPSK

M



Site : 03CH12-HY
Condition: -40 3m 9120D-02114-240711 Horizontal
: SA NR n30 BW10M Ch462000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4612.00	-62.84	RMS	31.75	-57.39	0.49	-95.23	57.54	-40.00	-22.84 Horizontal
2	6917.00	-58.68	RMS	36.07	-53.72	0.34	-95.23	53.86	-40.00	-18.68 Horizontal
3	9223.00	-57.13	RMS	38.15	-53.31	0.34	-95.23	52.92	-40.00	-17.13 Horizontal



Site : 03CH12-HY
Condition: -40 3m 9120D-02114-240711 Vertical
: SA NR n30 BW10M Ch462000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4612.00	-61.78	RMS	31.75	-57.39	0.49	-95.23	58.60	-40.00	-21.78 Vertical
2	6917.00	-56.96	RMS	36.07	-53.72	0.34	-95.23	55.58	-40.00	-16.96 Vertical
3	9223.00	-57.27	RMS	38.15	-53.31	0.34	-95.23	52.78	-40.00	-17.27 Vertical

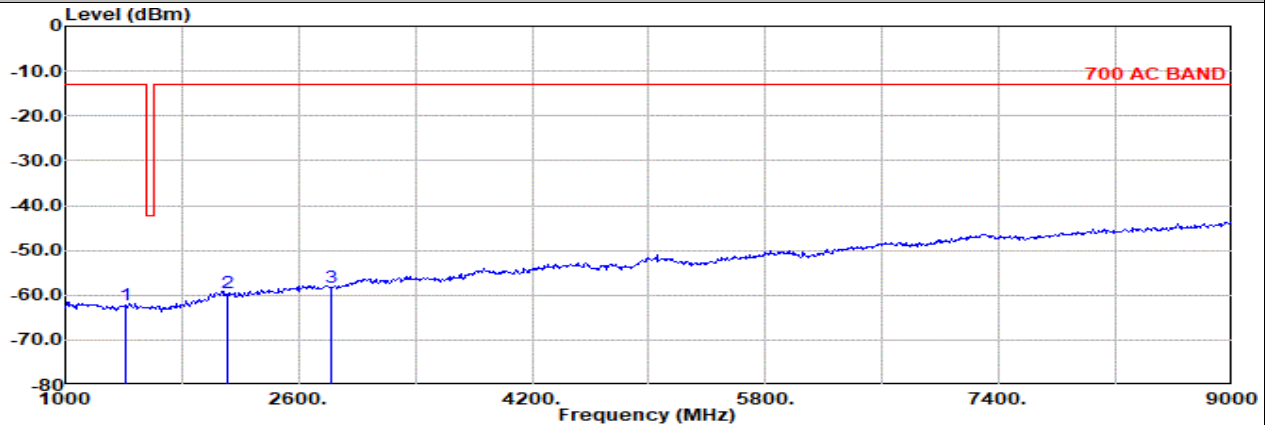


Airgain Antenna 0

Part 27H Mode 6

NR SA n12 5M Ch141500 1RB1 BPSK

M

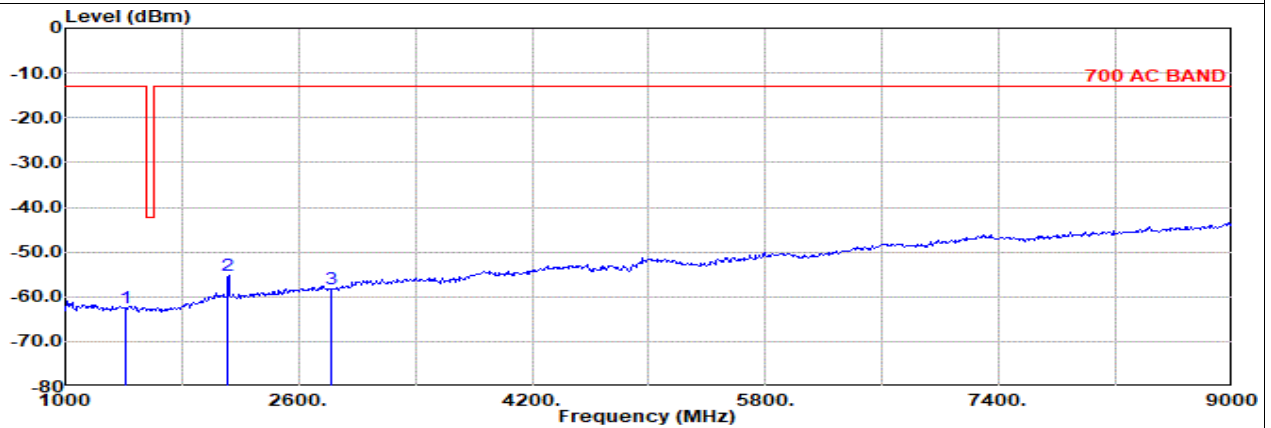


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: NR SA n12 10M Ch141500 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1411.00	-62.08	RMS	25.70	-30.25	1.09	-95.23	36.61	-13.00	-49.08 Horizontal
2	2117.00	-59.60	RMS	27.57	-27.57	0.65	-95.23	34.98	-13.00	-46.60 Horizontal
3	2822.00	-58.14	RMS	28.52	-26.94	0.41	-95.23	35.10	-13.00	-45.14 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: NR SA n12 10M Ch141500 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	1411.00	-62.34	RMS	25.70	-30.25	1.09	-95.23	36.35	-13.00	-49.34 Vertical
2	2117.00	-55.30	RMS	27.57	-27.57	0.65	-95.23	39.28	-13.00	-42.30 Vertical
3	2822.00	-58.12	RMS	28.52	-26.94	0.41	-95.23	35.12	-13.00	-45.12 Vertical

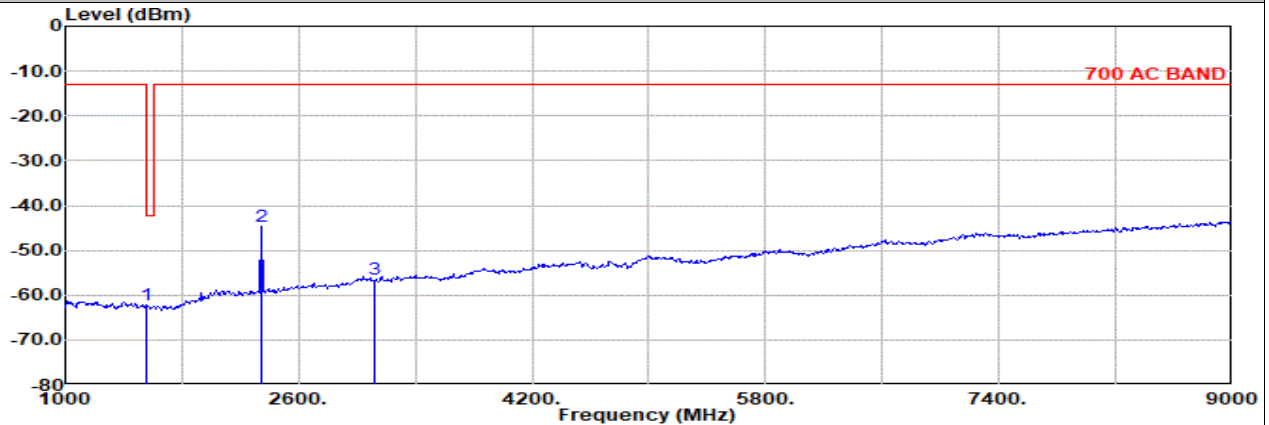


Taoglas Antenna 0

Part 27F Mode 7

NR SA n13 5M Ch156400 1RB1 BPSK

M

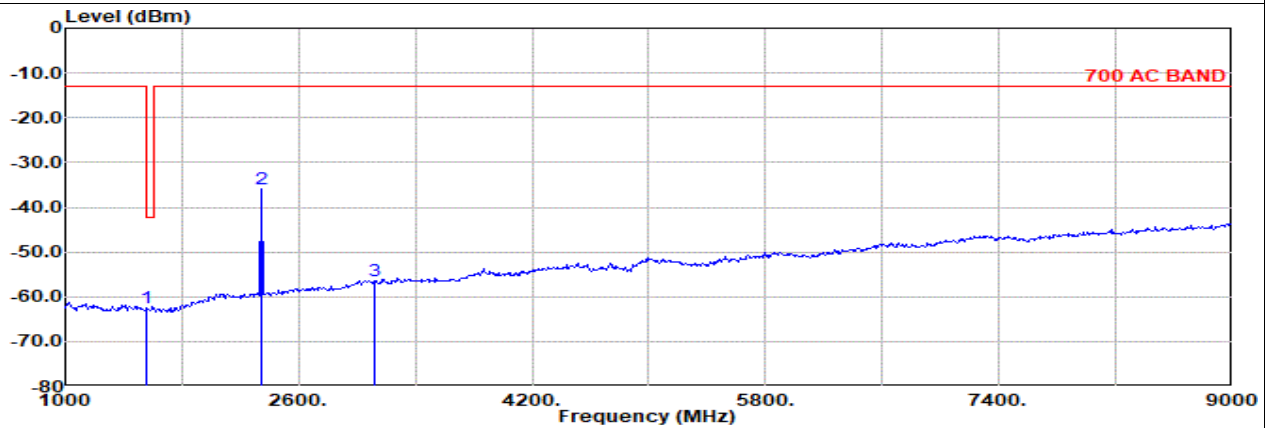


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

NR SA n13 5M Ch156400 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1560.00	-62.22	RMS	25.40	-29.65	0.85	-95.23	36.41	-42.15	-20.07	Horizontal
2	2340.00	-44.76	RMS	27.30	-27.42	0.58	-95.23	50.01	-13.00	-31.76	Horizontal
3	3120.00	-56.56	RMS	29.84	-26.59	0.39	-95.23	35.03	-13.00	-43.56	Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

NR SA n13 5M Ch156400 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1560.00	-62.63	RMS	25.40	-29.65	0.85	-95.23	36.00	-42.15	-20.48	Vertical
2	2340.00	-35.98	RMS	27.30	-27.42	0.58	-95.23	58.79	-13.00	-22.98	Vertical
3	3120.00	-56.38	RMS	29.84	-26.59	0.39	-95.23	35.21	-13.00	-43.38	Vertical

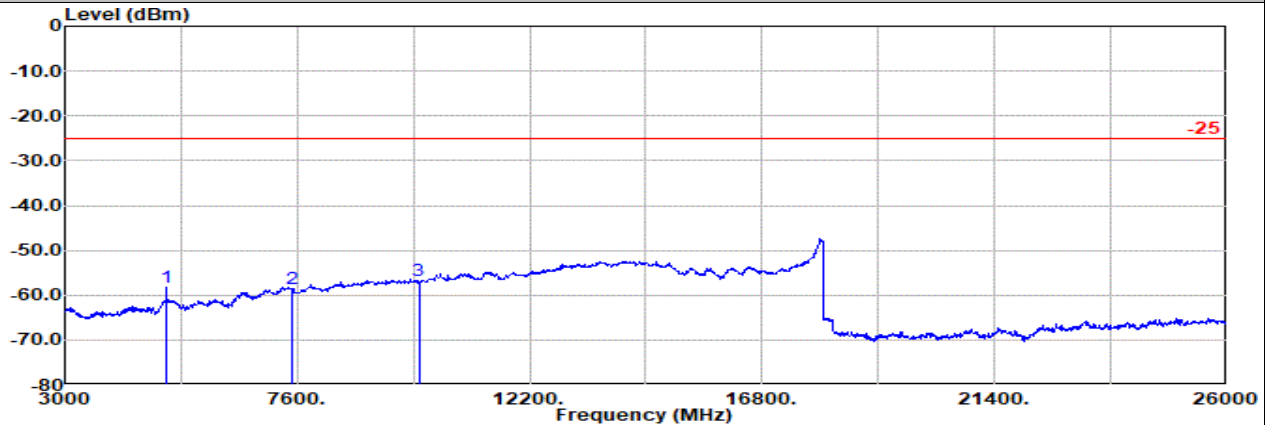


Airgain Antenna 0

Part 27M Mode 8

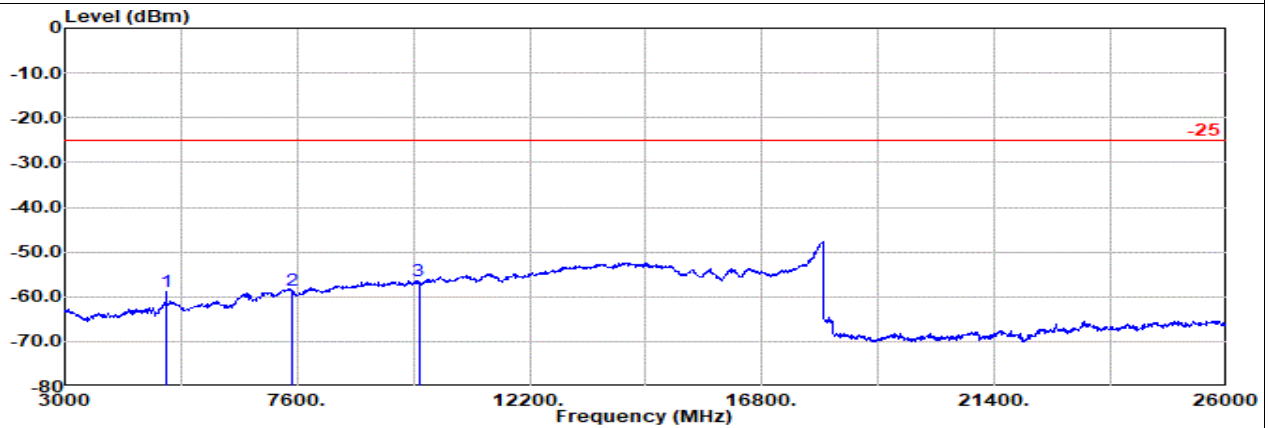
NR SA n7 20M Ch502000 1RB1 BPSK

L



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Horizontal
: NR SA n7 20M Ch502000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	5002.00	-58.13	RMS	33.39	-56.63	0.47	-95.23	59.87	-25.00	-33.13 Horizontal
2	7503.00	-58.57	RMS	36.58	-53.40	0.35	-95.23	53.13	-25.00	-33.57 Horizontal
3	10005.00	-56.75	RMS	38.31	-52.76	0.47	-95.23	52.46	-25.00	-31.75 Horizontal



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Vertical
: NR SA n7 20M Ch502000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	5002.00	-58.79	RMS	33.39	-56.63	0.47	-95.23	59.21	-25.00	-33.79 Vertical
2	7503.00	-58.57	RMS	36.58	-53.40	0.35	-95.23	53.13	-25.00	-33.57 Vertical
3	10005.00	-56.55	RMS	38.31	-52.76	0.47	-95.23	52.66	-25.00	-31.55 Vertical

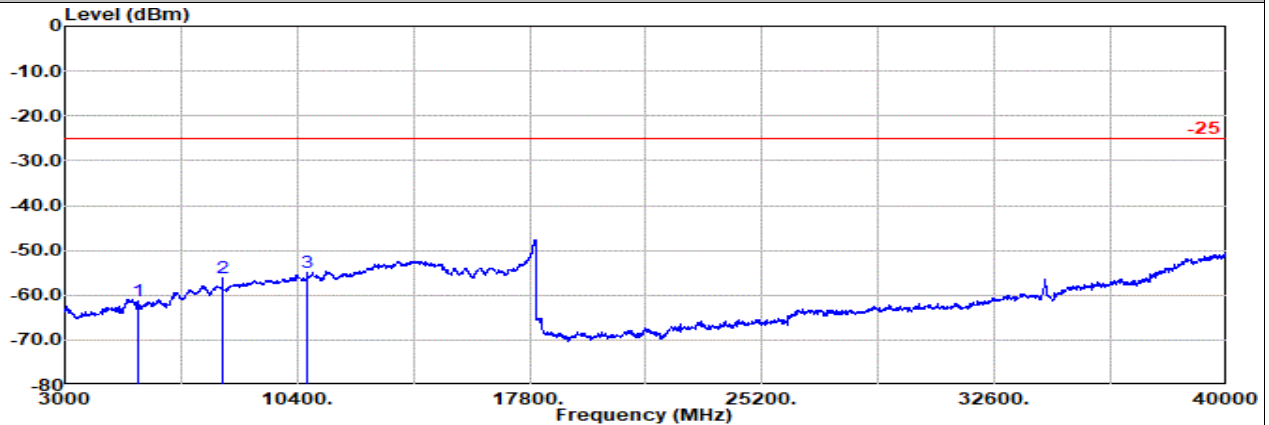


Airgain Antenna 0

Part 27M Mode 9

NR SA n41 20M Ch535998 1RB1 BPSK

H

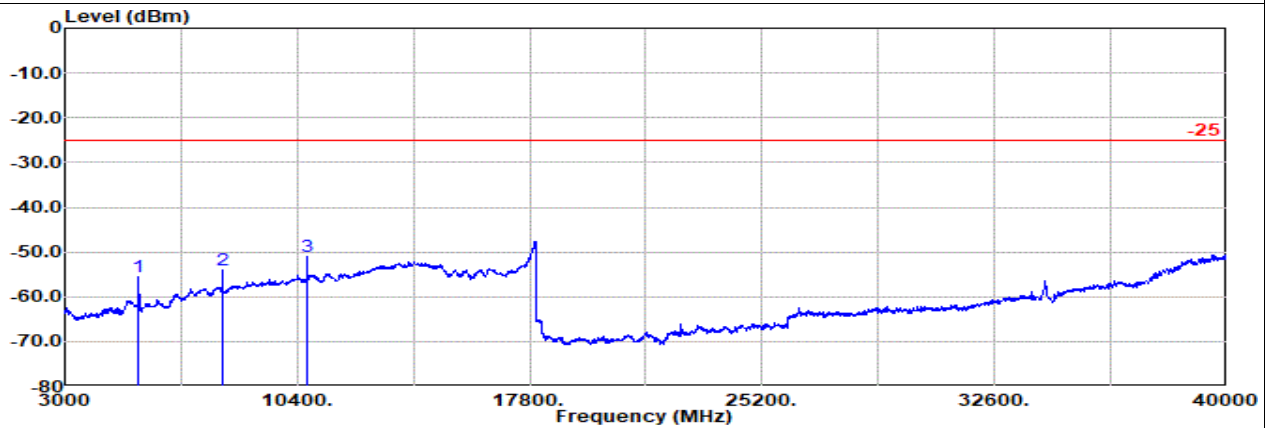


Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Horizontal

NR SA n41 20M Ch535998 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	5343.00	-61.14	RMS	33.09	-55.77	0.43	-95.23	56.34	-25.00	-36.14 Horizontal
2	8014.00	-56.27	RMS	37.20	-53.53	0.42	-95.23	54.87	-25.00	-31.27 Horizontal
3	10685.00	-54.91	RMS	39.20	-51.95	0.45	-95.23	52.62	-25.00	-29.91 Horizontal



Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Vertical

NR SA n41 20M Ch535998 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	5343.00	-55.68	RMS	33.09	-55.77	0.43	-95.23	61.80	-25.00	-30.68 Vertical
2	8014.00	-54.02	RMS	37.20	-53.53	0.42	-95.23	57.12	-25.00	-29.02 Vertical
3	10685.00	-50.89	RMS	39.20	-51.95	0.45	-95.23	56.64	-25.00	-25.89 Vertical

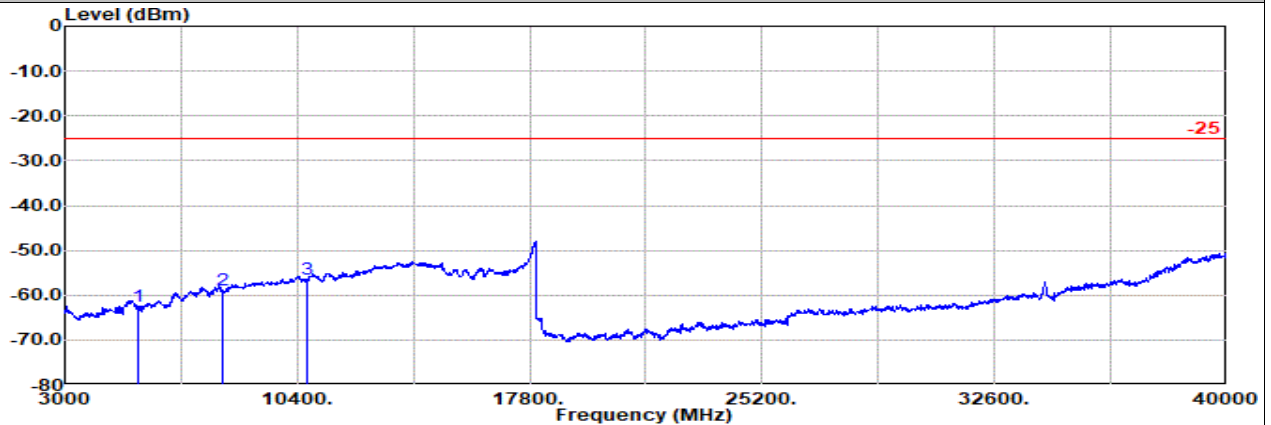


Airgain Antenna 0+2

Part 27M Mode 10

NR SA n41 MIMO 20M Ch535998 1RB1 QPSK

H

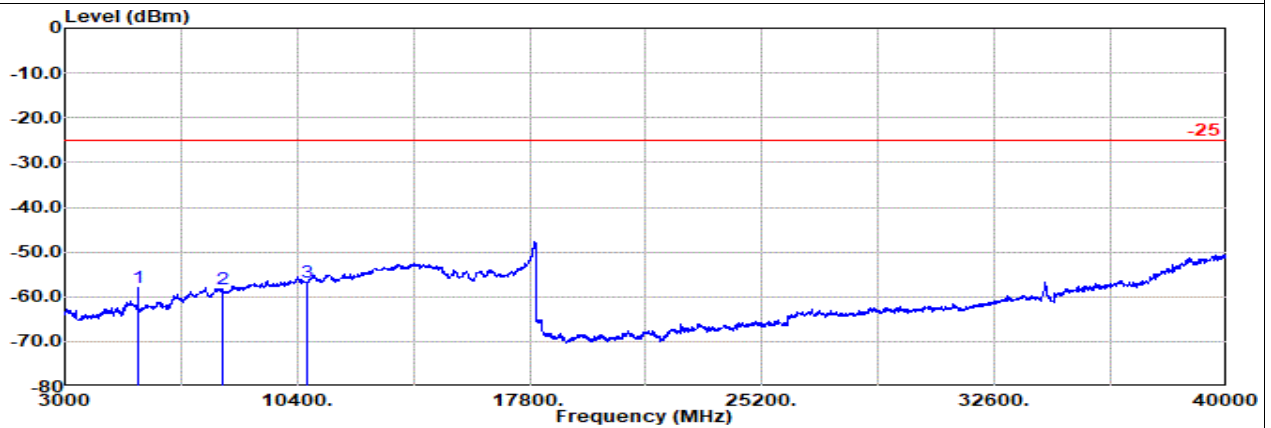


Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Horizontal

NR SA n41 20M Ch535998 MIMO 1RB1 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	5343.00	-62.45	RMS	33.09	-55.77	0.43	-95.23	55.03	-25.00	-37.45 Horizontal
2	8014.00	-58.93	RMS	37.20	-53.53	0.42	-95.23	52.21	-25.00	-33.93 Horizontal
3	10685.00	-56.51	RMS	39.20	-51.95	0.45	-95.23	51.02	-25.00	-31.51 Horizontal



Site : 03CH12-HY

Condition: -25 3m 9120D-02114-240711 Vertical

NR SA n41 20M Ch535998 MIMO 1RB1 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	5343.00	-58.00	RMS	33.09	-55.77	0.43	-95.23	59.48	-25.00	-33.00 Vertical
2	8014.00	-58.41	RMS	37.20	-53.53	0.42	-95.23	52.73	-25.00	-33.41 Vertical
3	10685.00	-56.61	RMS	39.20	-51.95	0.45	-95.23	50.92	-25.00	-31.61 Vertical

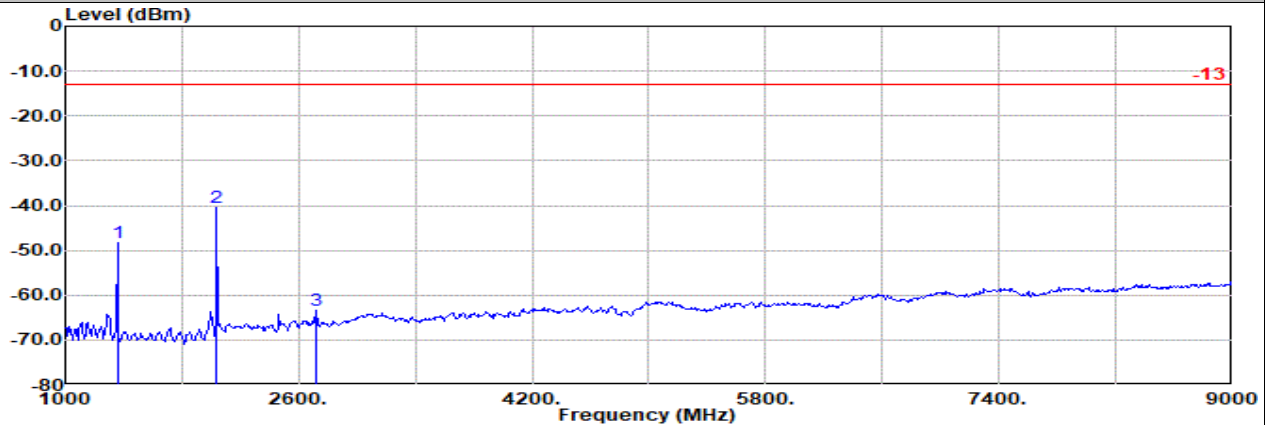


Airgain Antenna 0

Part 27N Mode 11

NR SA n71 20M Ch137600 1RB1 BPSK

H

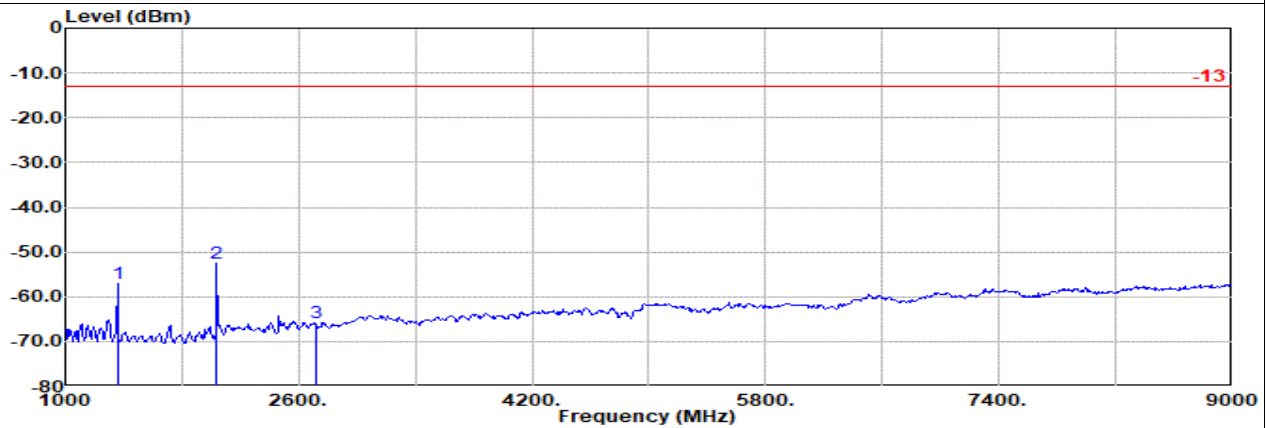


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

NR SA n71 20M Ch137600 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1359.00	-48.44	RMS	25.81	-61.89	1.12	-95.23	81.75	-13.00	-35.44
2	2038.00	-40.47	RMS	27.28	-60.16	0.64	-95.23	87.00	-13.00	-27.47
3	2717.00	-63.42	RMS	28.60	-59.20	0.43	-95.23	61.98	-13.00	-50.42



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

NR SA n71 20M Ch137600 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1359.00	-57.12	RMS	25.81	-61.89	1.12	-95.23	73.07	-13.00	-44.12
2	2038.00	-52.42	RMS	27.28	-60.16	0.64	-95.23	75.05	-13.00	-39.42
3	2717.00	-65.90	RMS	28.60	-59.20	0.43	-95.23	59.50	-13.00	-52.90

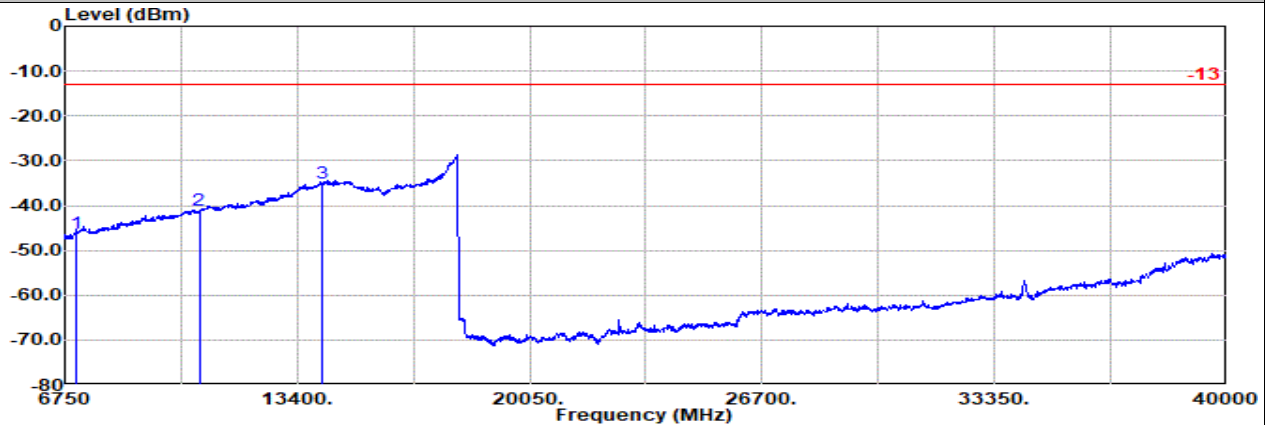


Taoglas Antenna 3+1

Part 27Q Mode 12

NR SA n77 MIMO 20M Ch636000 1RB1 QPSK

H

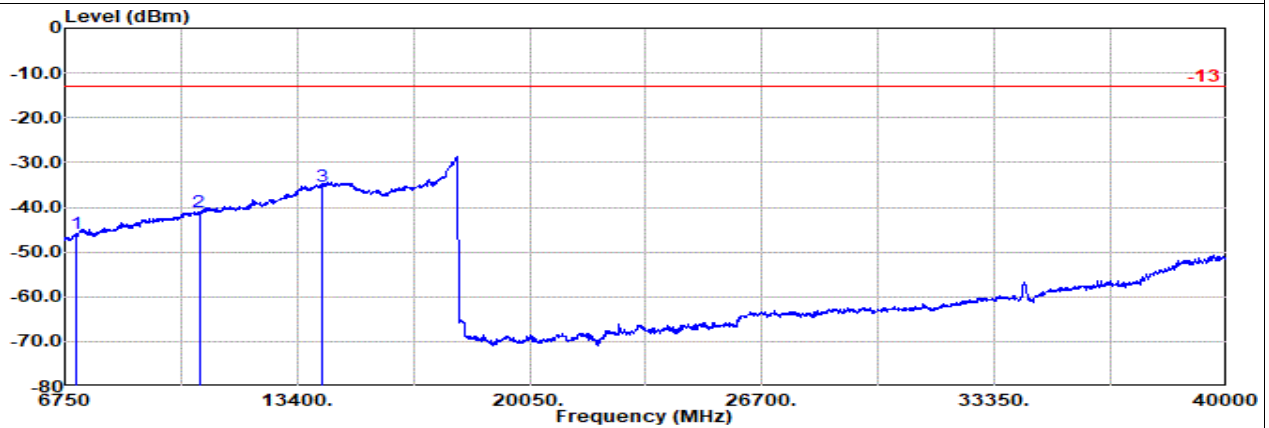


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: NR Band 77 MIMO 20M Ch636000 1RB1 BPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g	g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	7062.00	-46.31	RMS	36.37	-22.35	0.91	-95.23	33.99	-13.00	-33.31	Horizontal
2	10593.00	-41.20	RMS	39.04	-19.61	0.26	-95.23	34.34	-13.00	-28.20	Horizontal
3	14125.00	-34.96	RMS	40.90	-15.43	0.45	-95.23	34.35	-13.00	-21.96	Horizontal

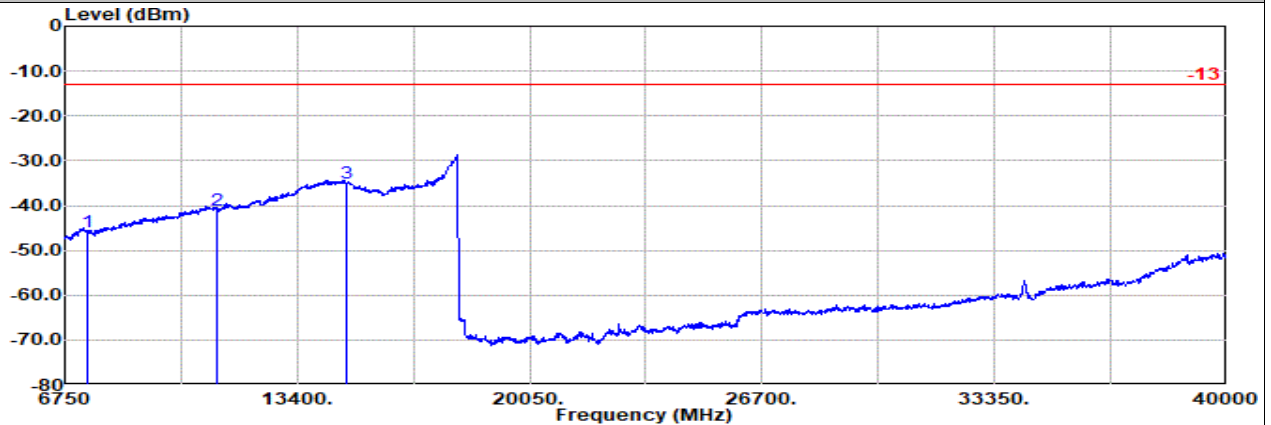


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

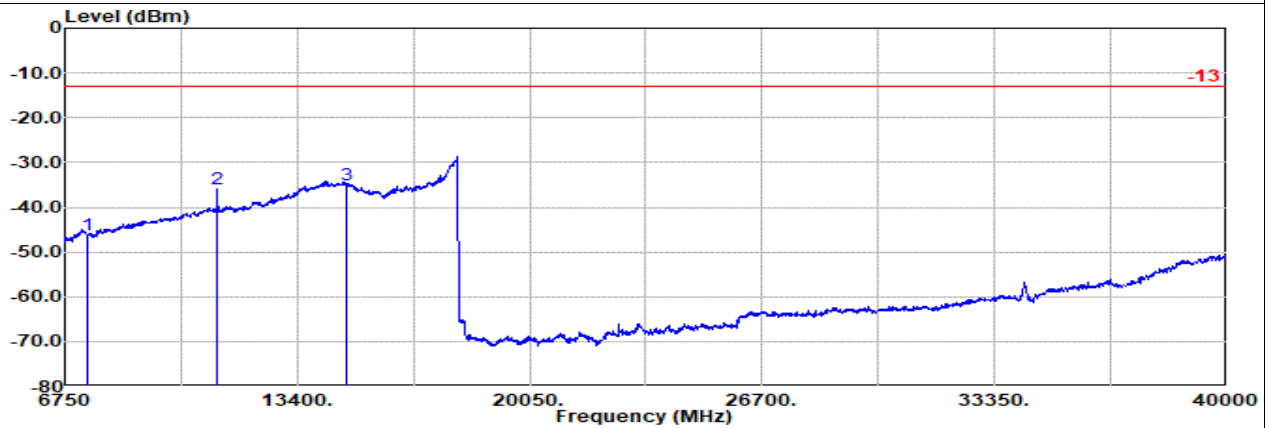
: NR Band 77 MIMO 20M Ch636000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7062.00	-46.00	RMS	36.37	-22.35	0.91	-95.23	34.30	-13.00	-33.00	Vertical
2	10593.00	-41.03	RMS	39.04	-19.61	0.26	-95.23	34.51	-13.00	-28.03	Vertical
3	14125.00	-35.19	RMS	40.90	-15.43	0.45	-95.23	34.12	-13.00	-22.19	Vertical

Taoglas Antenna 3+1
Part 270 Mode 13
NR SA n77 MIMO 20M Ch647334 1RB1 QPSK
L


Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: NR Band 77 20M Ch647334 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7402.00	-45.95	RMS	36.60	-22.16	0.82	-95.23	34.02	-13.00	-32.95 Horizontal
2	11103.00	-41.05	RMS	38.90	-19.04	0.28	-95.23	34.04	-13.00	-28.05 Horizontal
3	14805.00	-34.99	RMS	40.49	-15.60	0.42	-95.23	34.93	-13.00	-21.99 Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: NR Band 77 20M Ch647334 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7402.00	-46.16	RMS	36.60	-22.16	0.82	-95.23	33.81	-13.00	-33.16 Vertical
2	11103.00	-35.85	RMS	38.90	-19.04	0.28	-95.23	39.24	-13.00	-22.85 Vertical
3	14805.00	-35.10	RMS	40.49	-15.60	0.42	-95.23	34.82	-13.00	-22.10 Vertical

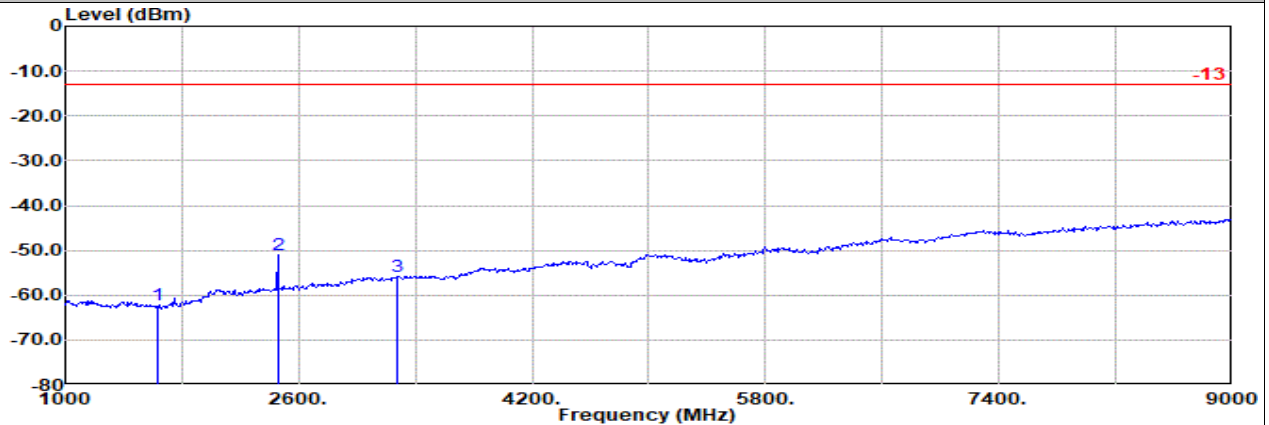


Taoglas Antenna 0

Part 90S Mode 14

NR SA n26 5M Ch164300 1RB1 BPSK

H

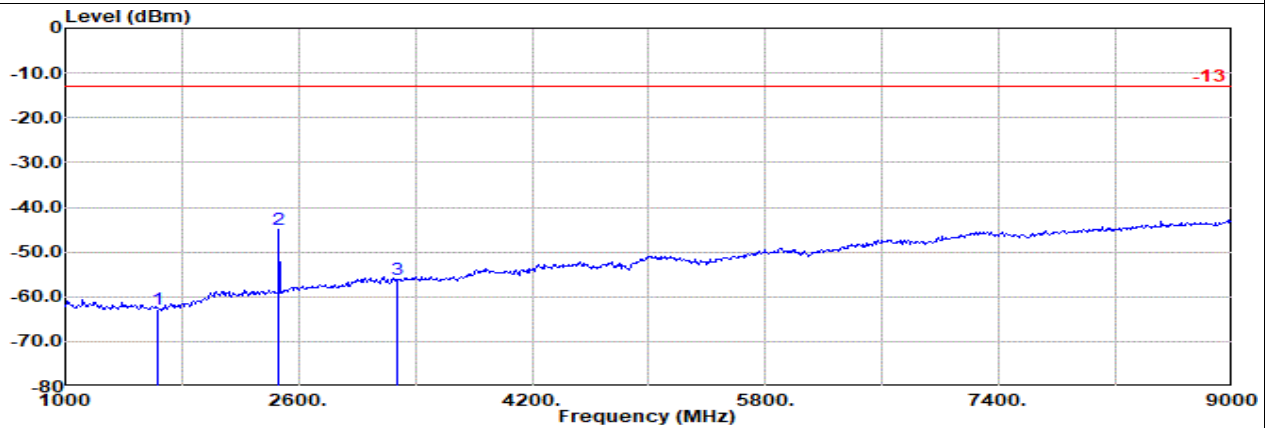


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: NR SA n26 5M Ch164300 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1639.00	-62.27	RMS	25.41	-29.29	0.76	-95.23	36.08	-13.00	-49.27
2	2458.00	-50.89	RMS	27.70	-27.32	0.52	-95.23	43.44	-13.00	-37.89
3	3278.00	-55.90	RMS	29.80	-26.33	0.39	-95.23	35.47	-13.00	-42.90



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: NR SA n26 5M Ch164300 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1639.00	-62.64	RMS	25.41	-29.29	0.76	-95.23	35.71	-13.00	-49.64
2	2458.00	-44.90	RMS	27.70	-27.32	0.52	-95.23	49.43	-13.00	-31.90
3	3278.00	-56.06	RMS	29.80	-26.33	0.39	-95.23	35.31	-13.00	-43.06

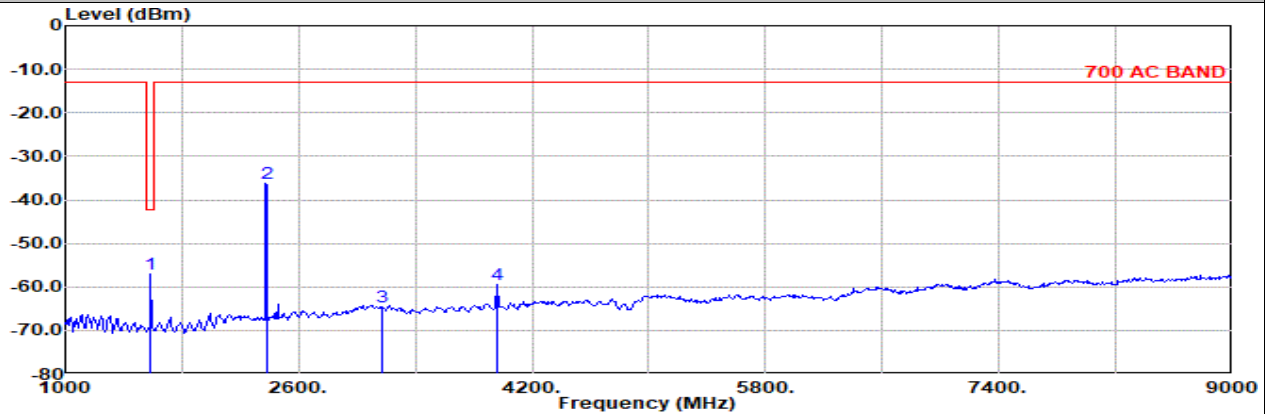


Taoglas Antenna 0

Part 90R Mode 15

NR SA n14 5M Ch159100 1RB1 BPSK

H

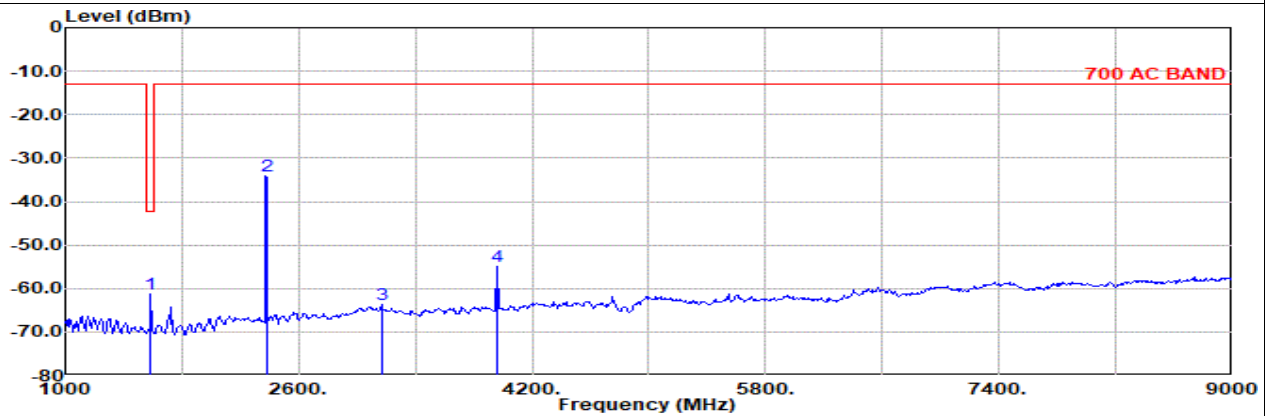


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: NR SA n14 5M Ch159100 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1587.00	-56.97	RMS	25.57	-61.11	0.80	-95.23	73.00	-42.15	-14.82	Horizontal	
2	2380.00	-36.12	RMS	27.30	-59.90	0.55	-95.23	91.16	-13.00	-23.12	Horizontal	
3	3174.00	-64.59	RMS	29.80	-58.29	0.38	-95.23	58.75	-13.00	-51.59	Horizontal	
4	3960.00	-59.34	RMS	30.98	-57.64	0.55	-95.23	62.00	-13.00	-46.34	Horizontal	



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: NR SA n14 5M Ch159100 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1587.00	-61.27	RMS	25.57	-61.11	0.80	-95.23	68.70	-42.15	-19.12	Vertical	
2	2380.00	-33.99	RMS	27.30	-59.90	0.55	-95.23	93.29	-13.00	-20.99	Vertical	
3	3174.00	-63.79	RMS	29.80	-58.29	0.38	-95.23	59.55	-13.00	-50.79	Vertical	
4	3960.00	-54.96	RMS	30.98	-57.64	0.55	-95.23	66.38	-13.00	-41.96	Vertical	

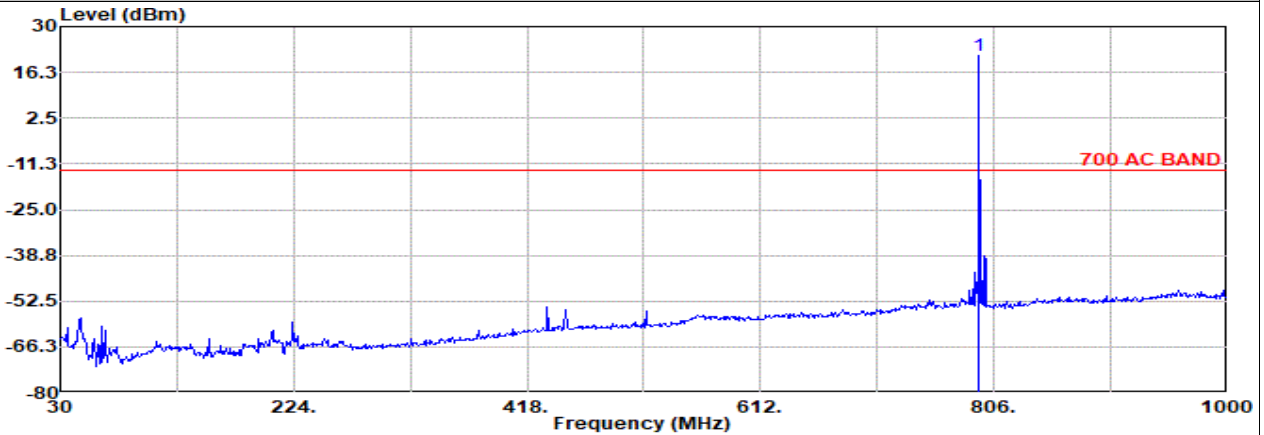


Taoglas Antenna 0

Part 90R Mode 15

NR SA n14 5M Ch159100 1RB1 BPSK

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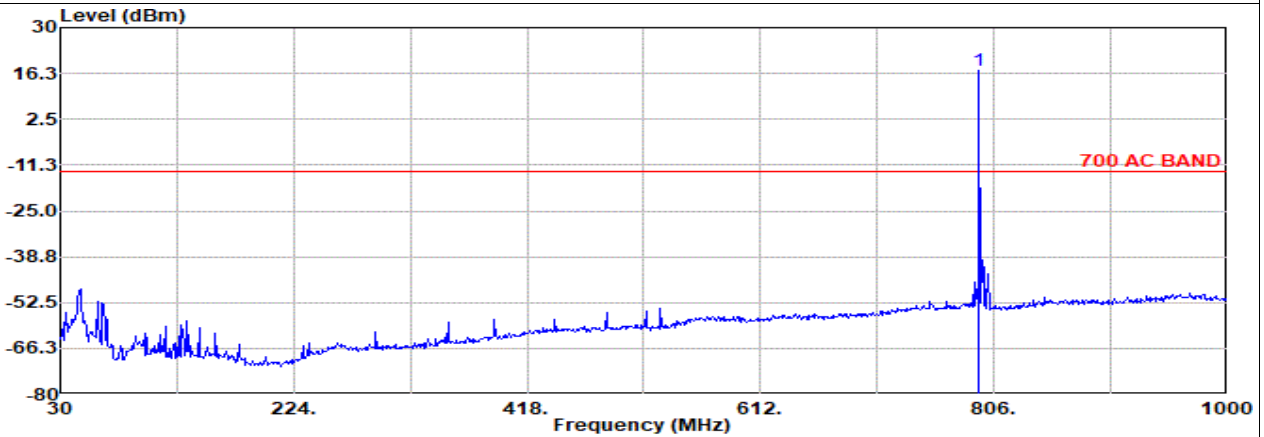
Site : 03CH12-HY

Condition: 700 AC BAND 3m Bilog_37059_20241127 Horizontal

: NR SA n14 5M Ch159100 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1					
1	793.52	21.25	RMS	28.43	3.89	0.00	-95.23	84.16	-13.00	34.25 Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m Bilog_37059_20241127 Vertical

: NR SA n14 5M Ch159100 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1					
1	793.52	17.26	RMS	28.43	3.89	0.00	-95.23	80.17	-13.00	30.26 Vertical

Remark: #1 is fundamental signal which can be ignored.