



FCC RADIO TEST REPORT

FCC ID : ACJ9TGWW24A
Equipment : Radio Module
Brand Name : Panasonic
Model Name : WW24A
Applicant : Panasonic Corporation of North America
Two Riverfront Plaza, Newark, New Jersey, 07102-5490, USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), Part 27(F/H/L/M/N/O/Q),
Part 90(R), Part 90(S)

The product was received on May 05, 2025 and testing was performed from May 08, 2025 to Jan. 05, 2026. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this 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
FG4D1252-01E	01	Initial issue of report	Dec. 19, 2025
FG4D1252-01E	02	Revised Product Feature of Equipment Under Test, Summary, Frequency List of Low/Middle/High Channels, Test Mode, and Appendix A This report is an updated version, replacing the report issued on Dec. 19, 2025.	Jan. 09, 2026

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) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66) (n70)		
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (n77)		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (n77)		
	§90.542 (a)(7)	Effective Radiated Power (n14)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n41)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (n14)		
-	§2.1051 §90.210 (n)	Emission Mask (n14)	Pass	See Note
	§2.1051 §90.691	Emission masks (n26)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n41)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (n14)		
3.7	§2.1055 §22.355 §24.235 §27.54 §90.539 (e)§90.213	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)§90.691	Radiated Spurious Emission (n2) (n5) (n12) (n13) (n25) (n26) (n66) (n71)	Pass	-
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n41)		
	§2.1053 §27.53 (l)(2)	Radiated Spurious Emission (n77)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (n14)		
Note: 1. For host device, the spot check Radiated Spurious Emission and complies with the limit in this test report. 2. For host device, except for NR n41 BW:10&15MHz is full test, other band is the spot check Conducted Output Power is no difference after compared to module (Model: Panasonic WW24A)				

**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: Shannon Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA / LTE / 5G NR	
Antenna Type <Ant. 0 ~ Ant. 3>: Monopole Antenna	

The product was installed into Portable Computer (Brand Name: Panasonic, Model Name: FZ-40(mk3) during test

Support band and evaluated information	
Supported band	n2, n5, n7, n12, n13, n14,n25,n26,n41 ,n66, n70,n71,n77
Evaluated and Tested band	n2, n5, n7, n12, n13, n14,n25,n26,n41 ,n66, n70,n71,n77

FDD/TDD band Power Class					
	SISO PC3	SISO PC2	MIMO PC3	MIMO PC2	
N2	V				
N5	V				
N7	V				
N12	V				
N13	V				
N14	V				
N25	V				
N26	V				
N41	V		V		
N66	V				
N70	V				
N71	V				
N77	V	V	V	V	



Max Antenna Gain(dBi)							
Band	Ant 0 (WWAN-main)	Ant 1 (WWAN-3rd)	Ant 2 (WWAN-aux)	Ant 3 (WWAN-4th)	SISO Main Ant. #	MIMO Main Ant. #	SRS Ant. #
N2	1.99				0	-	-
N5	-0.09				0	-	-
N7	1.97				0	-	-
N12	0.26				0	-	-
N13	0.11				0	-	-
N14	-0.57				0	-	-
N25	1.99				0	-	-
N26	-0.09				0	-	-
N41	2.29	1.47	0.05	2.02	2	-	0,1,2,3
N41_MIMO	2.29	1.47	0.05	2.02	-	2&0	2&0,1&3
N66	1.48				-	-	-
N70	0.92				0	-	-
N71	-0.68				0	-	-
N77	1.40	1.48	-0.59	2.3	3		0,1,2,3
N77_MIMO	1.40	1.48	-0.59	2.3	-	3&1	2&0,1&3

Remark: The above EUT's information was 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, Taiwan (R.O.C.)
Test Site No.	Sporton Site No.
	TH03-HY
Test Engineer	Ekko You
Temperature (°C)	20.6 ~ 24.9
Relative Humidity (%)	51.2 ~ 58.5

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)
Test Site No.	Sporton Site No.
	03CH20-HY (TAF Code: 3786)
Test Engineer	John Chuang, David Dai, and Sam Chou
Temperature (°C)	19.1 ~ 22.6
Relative Humidity (%)	64.1 ~ 70.6
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(F/H/L/M/N/O/Q), Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

<5G NR N2/N5/N7/N12/N13/N14/N25/N26/N41(BW:20~100 MHz)/N66/N70/N71/N77 SISO Mode>

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

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1	L, M, H
EIRP	A, B	All	1	L, M, H
RSE	A	Maximum or less	Inner_1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. For 5G NR 77 support PC2&PC3 ,The PC2&PC3 have the same modulation, EIRP power and BW. Therefore, the report only performed Higher Conducted power (PC2) test results.
4. For 5G NR All Band SISO Mode support support CP-OFDM & DFT-s-OFDM,Therefore,the report only performed Higher Conducted power (DFT-s-OFDM) test results.
5. For 5G NR N41 support SISO Mode Antenna 2 (Main Ant.) and Antenna 0&1&3(SRS Ant.),Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 2, Therefore, the report only performed Antenna 2 test results.
6. For 5G NR N77 support SISO Mode Antenna 3 (Main Ant.) and Antenna 0&1&2(SRS Ant.),Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 3, Therefore, the report only performed Antenna 3 test results.

<5G NR N41 (BW:20~40 MHz) /N77 MIMO Mode >

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

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

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. For 5G NR N41/N77 MIMO Mode Modulation support CP-OFDM only.
4. For 5G NR N41 MIMO Mode BW only support 10/15/20/30/40MHz
5. For 5G NR N41 support MIMO Mode Antenna 2+0 (Main Ant.) and Antenna 1+3(SRS Ant.);Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 2+0 ,Therefore, the report only performed Antenna 2+0 test results.
6. For 5G NR N77 support MIMO Mode Antenna 3+1 (Main Ant.) and Antenna 2+0(SRS Ant.);Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 3+1 ,Therefore, the report only performed Antenna 3+1 test results.

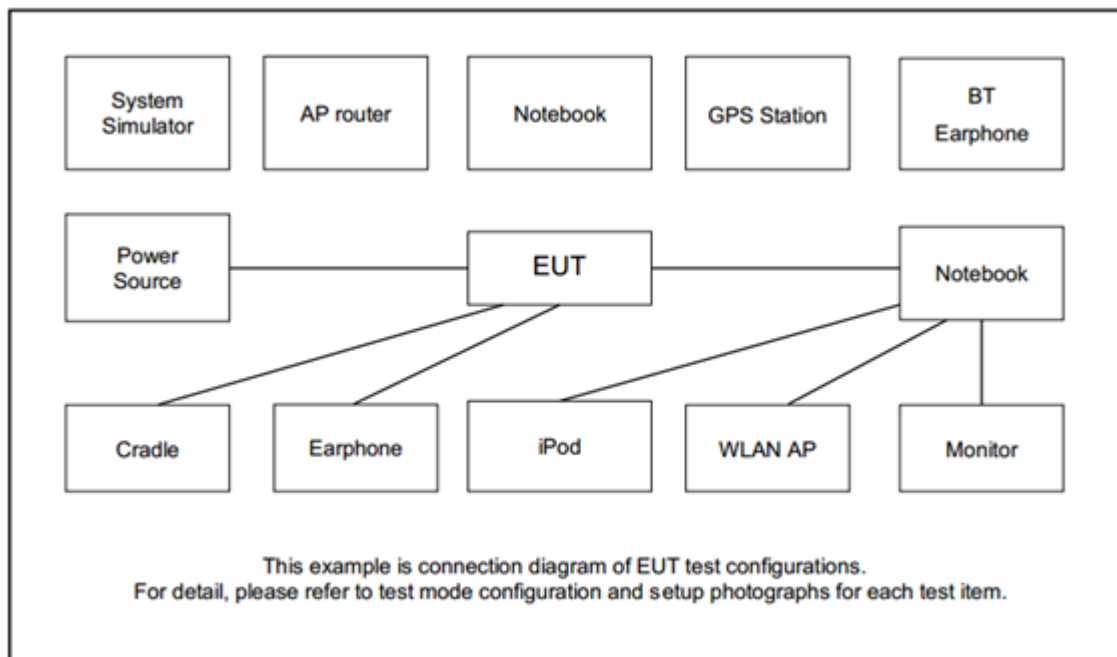
<5G NR N41 BW:10/15 MHz SISO&MIMO Mode >

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D	All	1, Half, Full	L, M, H
PAR	A, B, C, D	10MHz	Full	M
EIRP	A, B, C, D	All	1, Half, Full	L, M, H
Bandwidth	A, B, C	All	Full	M
CBE	A, B	All	1RB Full	L, H
CSE	B	All	1RB	L, M, H
Frequency Stability	A	10MHz	Full	M

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.	Earphone	Moto	SJYN1181B	N/A	N/A	Unshielded, 1.25m

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



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

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

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



5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	501504	518598	536496
	Frequency	2507.52	2592.99	2682.48
10	Channel	501000	518598	537000
	Frequency	2505	2592.99	2685

For 5G NR N41 MIMO Mode BW only support 10/15/20/30/40MHz.



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

5G NR n70 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	-	340500	-
	Frequency	-	1702.5	-
10	Channel	340000	340500	341000
	Frequency	1700	1702.5	1705
5	Channel	339500	340500	341500
	Frequency	1697.5	1702.5	1707.5

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 n77 Channel and Frequency List (Part27Q)				
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 n77 Channel and Frequency List (Part270)				
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

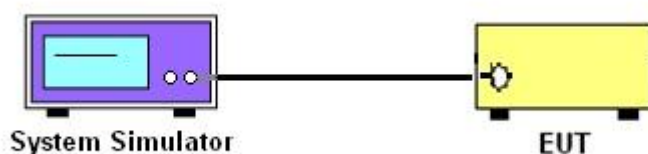
3 Conducted Test Items

3.1 Measuring Instruments

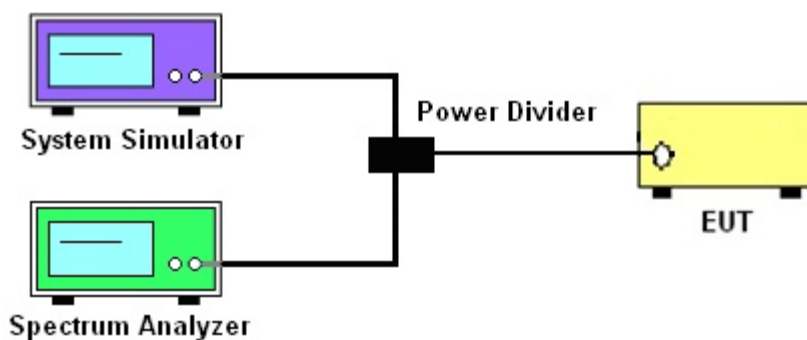
See list of measuring instruments of this test report.

3.1.1 Test Setup

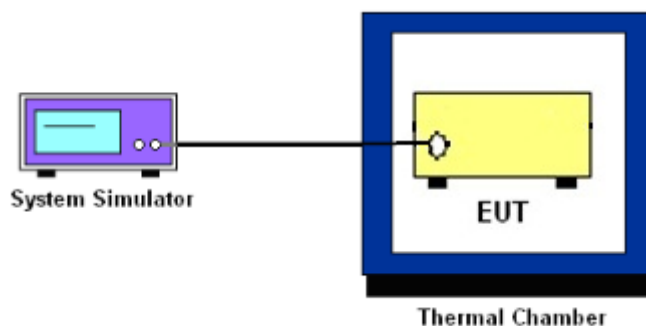
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

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

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

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

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66, n70, n77

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (c)

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

27.53 (g)

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

27.53 (h)

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

27.53(m)(4)

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

90.543(e)

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For 5G NR n7, n41

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

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



3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

For 5G NR n7, n41

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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

For 5G NR n7, n41

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

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



3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

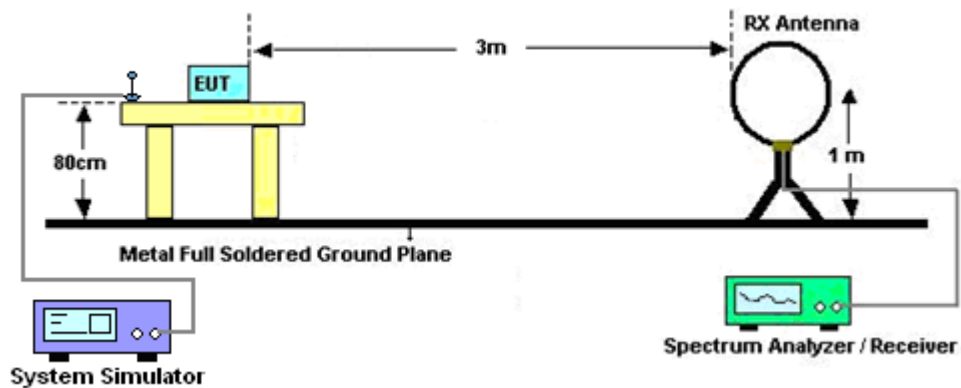
4 Radiated Test Items

4.1 Measuring Instruments

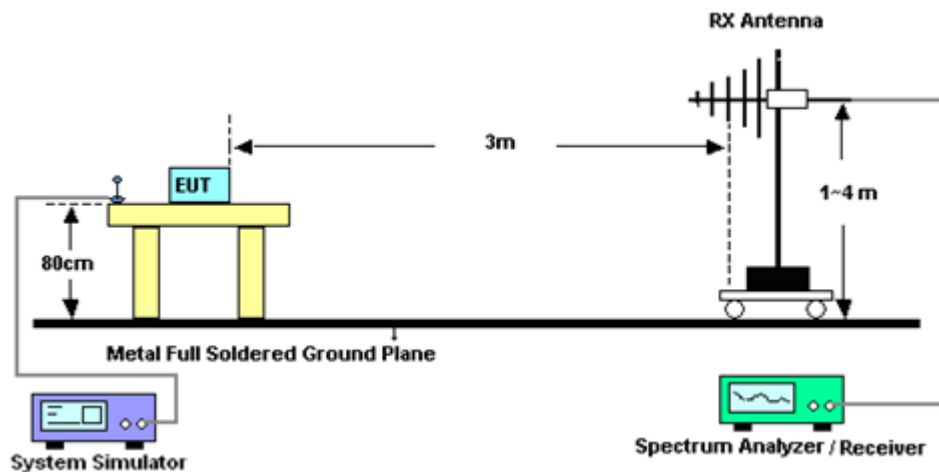
See list of measuring instruments of this test report.

4.1.1 Test Setup

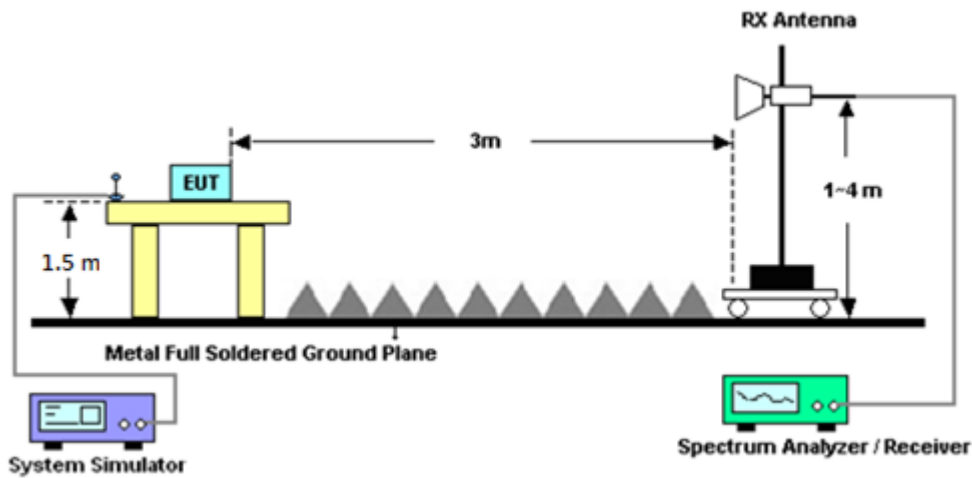
For radiated test below 30MHz



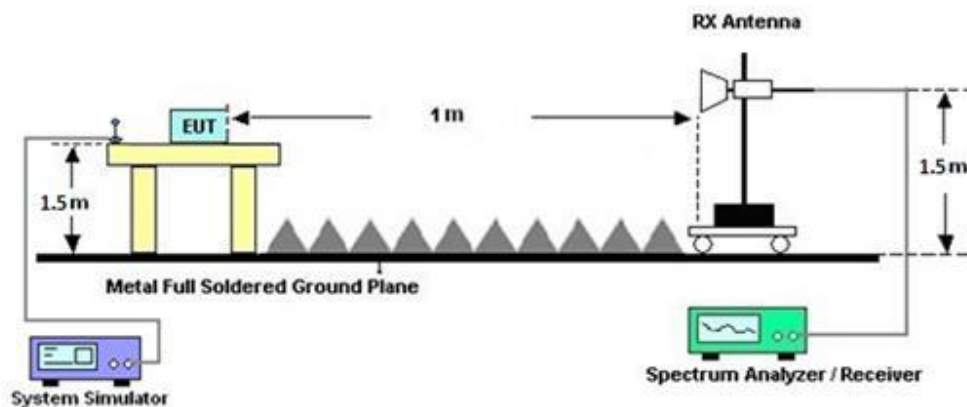
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015.

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

For 5G NR n7, 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 n14

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

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



4.2.2 Test Procedures

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

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
For 5G NR n7, n41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038B	MY62210111	N/A	Aug. 29, 2025	Sep. 03, 2025~ Oct. 15, 2025	Aug. 28, 2026	Radiation (03CH20-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 16, 2025	Oct. 16, 2025~ Nov. 01, 2025	Oct. 15, 2026	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Nov. 18, 2024	Sep. 03, 2025~ Nov. 01, 2025	Nov. 17, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060872	18GHz~40GHz	Nov. 29, 2025	Sep. 03, 2025~ Nov. 01, 2025	Nov. 28, 2026	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Sep. 03, 2025~ Nov. 01, 2025	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 03, 2025~ Nov. 01, 2025	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 03, 2025~ Nov. 01, 2025	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Sep. 03, 2025~ Nov. 01, 2025	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	55606 & 08	30MHz~1GHz	Nov. 27, 2024	Sep. 03, 2025~ Nov. 01, 2025	Nov. 26, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 01, 2024	Sep. 03, 2025~ Oct. 27, 2025	Oct. 31, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz-18GHz	Mar. 27, 2025	Oct. 28, 2025~ Oct. 31, 2025	Mar. 26, 2026	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jul. 02, 2025	Sep. 03, 2025~ Nov. 01, 2025	Jul. 01, 2026	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Sep. 03, 2025~ Nov. 01, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45S E	980792	N/A	Nov. 12, 2024	Sep. 03, 2025~ Nov. 01, 2025	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,80 4015/2,8040 27/2	N/A	Jan. 16, 2025	Sep. 03, 2025~ Nov. 01, 2025	Jan. 15, 2026	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP211382	N/A	Mar. 31, 2025	Sep. 03, 2025~ Nov. 01, 2025	Mar. 30, 2026	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Sep. 03, 2025~ Nov. 01, 2025	N/A	Radiation (03CH20-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
DC Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 07, 2025	May 08, 2025~ Jan. 05, 2026	Feb. 06, 2026	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101691	10Hz~44GHz	Oct. 02, 2024	May 08, 2025~ Jul. 04, 2025	Oct. 01, 2025	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Jul. 04, 2025	Jul. 05, 2025 ~ Jan. 05, 2026	Jul. 03, 2026	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20°C ~85°C	Dec. 10, 2024	May 08, 2025~ Oct. 31, 2025	Dec. 09, 2025	Conducted (TH03-HY)
Temperature Chamber	ESPEC	LHU-113	1012005860	-20°C ~85°C	Dec. 17, 2025	Jan. 04, 2026 ~ Jan. 05, 2026	Dec. 16, 2026	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 03, 2025	May 08, 2025~ Jan. 05, 2026	Mar. 02, 2026	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116725	LTE	Oct. 17, 2024	May 08, 2025~ Oct. 01, 2025	Oct. 16, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262044657	LTE	May 23, 2025	Oct. 02, 2025 ~ Jan. 05, 2026	May 22, 2026	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 20, 2024	May 08, 2025~ Oct. 01, 2025	Oct. 19, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262012917	FR1	Jul. 04, 2025	Oct. 02, 2025 ~ Jan. 05, 2026	Jul. 03, 2026	Conducted (TH03-HY)
Coupler	MVE	MVE-4816	A400014	N/A	Mar. 07, 2025	May 08, 2025~ Jan. 05, 2026	Mar. 06, 2026	Conducted (TH03-HY)
Power divider	MVE	MVE8283	E800018	9kHz ~ 40GHz	Sep. 03, 2024	May 08, 2025~ Jul. 11, 2025	Sep. 02, 2025	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	Jul. 14, 2025 ~ Jan. 05, 2026	Jun. 12, 2026	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and ERI/EIRP)

<SISO Mode>

NR n2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.45	23.56	23.44	25.55	0.3589
5	1	1	QPSK	23.38	23.52	23.37		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.55	23.50	23.38	25.54	0.3581
10	1	1	QPSK	23.55	23.46	23.41		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.60	23.68	23.34	25.67	0.3690
15	1	1	QPSK	23.65	23.66	23.30		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.53	23.65	23.47	25.64	0.3664
20	1	1	QPSK	23.57	23.55	23.40		
Limit	EIRP < 2W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.34	23.39	23.68	21.49	0.1409
5	1	1	QPSK	23.38	23.41	23.73		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.27	23.38	23.50	21.26	0.1337
10	1	1	QPSK	23.18	23.21	23.29		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.30	23.41	23.45	21.33	0.1358
15	1	1	QPSK	23.42	23.34	23.57		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.39	23.42	23.55	21.49	0.1409
20	1	1	QPSK	23.39	23.56	23.73		
Limit	ERP < 7W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.81	23.59	23.69	25.78	0.3784
5	1	1	QPSK	23.75	23.63	23.51		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.61	23.62	23.64	25.61	0.3639
10	1	1	QPSK	23.58	23.60	23.63		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.88	23.78	23.82	25.96	0.3945
15	1	1	QPSK	23.93	23.96	23.99		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.98	23.83	23.79	26.01	0.3990
20	1	1	QPSK	24.04	23.83	23.67		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.86	23.78	23.60	25.94	0.3926
25	1	1	QPSK	23.89	23.97	23.63		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.82	23.76	23.79	25.82	0.3819
30	1	1	QPSK	23.85	23.83	23.82		
Limit	EIRP < 2W			Result			Pass	

NR n7 Maximum Average Power [dBm] (GT - LC = 1.97 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.87	23.79	23.76	25.90	0.3890
40	1	1	QPSK	23.86	23.80	23.93		
Limit	EIRP < 2W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.45	23.60	23.49	21.71	0.1483
5	1	1	QPSK	23.48	23.58	23.45		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.55	23.57	23.62	21.73	0.1489
10	1	1	QPSK	23.51	23.60	23.58		
Limit	ERP < 3W			Result			Pass	

NR n12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.59	23.76	23.58	21.87	0.1538
15	1	1	QPSK	23.63	23.67	23.63		
Limit	ERP < 3W			Result			Pass	

NR n13 Maximum Average Power [dBm] (GT - LC = 0.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.70	23.59	23.62	21.66	0.1466
5	1	1	QPSK	23.68	23.61	23.62		
Limit	ERP < 3W			Result			Pass	

NR n13 Maximum Average Power [dBm] (GT - LC = 0.11 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	23.63	-	21.59	0.1442
10	1	1	QPSK	-	23.61	-		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -0.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.31	23.35	23.27	20.65	0.1161
5	1	1	QPSK	23.15	23.37	23.28		
Limit	ERP < 3W			Result			Pass	

NR n14 Maximum Average Power [dBm] (GT - LC = -0.57 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	-	23.34	-	20.62	0.1153
10	1	1	QPSK	-	23.16	-		
Limit	ERP < 3W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.46	23.59	23.42	25.70	0.3715
5	1	1	QPSK	23.71	23.48	23.45		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.44	23.42	23.45	25.48	0.3532
10	1	1	QPSK	23.49	23.41	23.40		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.62	23.75	23.42	25.95	0.3936
15	1	1	QPSK	23.75	23.96	23.52		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.62	23.68	23.48	25.67	0.3690
20	1	1	QPSK	23.66	23.68	23.62		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	24.04	24.03	23.79	26.07	0.4046
25	1	1	QPSK	24.08	23.90	23.88		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.92	23.95	24.06	26.10	0.4074
30	1	1	QPSK	24.11	23.87	23.89		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 1.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.81	23.89	24.12	26.16	0.4130
40	1	1	QPSK	23.83	23.97	24.17		
Limit	EIRP < 2W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.33	23.45	23.66	21.64	0.1459
5	1	1	QPSK	23.28	23.31	23.88		
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.39	23.51	23.52	21.31	0.1352
10	1	1	QPSK	23.22	23.30	23.55		
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.38	23.52	23.55	21.35	0.1365
15	1	1	QPSK	23.41	23.59	23.55		
Limit	ERP < 7W			Result			Pass	

NR n26 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.40	23.54	23.54	21.40	0.1380
20	1	1	QPSK	23.50	23.43	23.64		
Limit	ERP < 7W			Result			Pass	

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	23.36	23.49	23.42	21.25	0.1334
5	1	1	QPSK	23.37	23.49	23.45		
Limit	Power < 100W			Result			Pass	

Part90s NR n26 Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	23.32	-	21.25	0.1334
10	1	1	QPSK	-	23.49	-		
Limit	Power < 100W			Result			Pass	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
5	1	1	PI/2 BPSK	-	23.33	-	21.12	0.1294
5	1	1	QPSK	-	23.36	-		
Limit	EIRP < 7W			Result			Pass	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
10	1	1	PI/2 BPSK	-	23.39	-	21.15	0.1303
10	1	1	QPSK	-	23.37	-		
Limit	EIRP < 7W			Result			Pass	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
15	1	1	PI/2 BPSK	-	23.36	-	21.13	0.1297
15	1	1	QPSK	-	23.37	-		
Limit	EIRP < 7W			Result			Pass	

NR n26 Straddle Channel Maximum Average Power [dBm] (GT - LC = -0.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP
20	1	1	PI/2 BPSK	-	23.41	-	21.17	0.1309
20	1	1	QPSK	-	23.41	-		
Limit	EIRP < 7W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	20.31	20.48	20.42	22.88	0.1941		
10	1	22		20.44	20.45	20.48				
10	12	6		20.41	20.54	20.45				
10	1	0		20.31	20.59	20.36				
10	1	23		20.35	20.37	20.48				
10	24	0		20.42	20.53	20.46				
10	1	1	QPSK	20.29	20.53	20.48				
10	1	22		20.38	20.48	20.51				
10	12	6		20.37	20.55	20.43				
10	1	0		20.29	20.47	20.41				
10	1	23		20.32	20.40	20.45				
10	24	0		20.38	20.53	20.47				
10	1	1	16-QAM	20.16	20.38	20.27	22.85	0.1928		
10	1	1	64-QAM	20.40	20.53	20.40				
10	1	1	256-QAM	20.37	20.56	20.46				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	20.46	20.68	20.48	23.00	0.1995		
15	1	36		20.63	20.54	20.69				
15	18	9		20.55	20.62	20.68				
15	1	0		20.44	20.67	20.57				
15	1	37		20.49	20.54	20.71				
15	36	0		20.50	20.62	20.69				
15	1	1	QPSK	20.43	20.64	20.48				
15	1	36		20.49	20.49	20.63				
15	18	9		20.51	20.62	20.60				
15	1	0		20.43	20.66	20.56				
15	1	37		20.45	20.51	20.70				
15	36	0		20.55	20.62	20.56				
15	1	1	16-QAM	20.39	20.48	20.32	22.99	0.1991		
15	1	1	64-QAM	20.49	20.58	20.56				
15	1	1	256-QAM	20.50	20.70	20.61				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	20.32	20.61	20.34	22.94	0.1968		
20	1	49		20.39	20.50	20.58				
20	25	12		20.44	20.64	20.58				
20	1	0		20.32	20.62	20.54				
20	1	50		20.34	20.45	20.55				
20	50	0		20.44	20.62	20.60				
20	1	1	QPSK	20.36	20.65	20.34				
20	1	49		20.37	20.49	20.60				
20	25	12		20.43	20.63	20.52				
20	1	0		20.34	20.62	20.40				
20	1	50		20.37	20.43	20.56				
20	50	0		20.43	20.64	20.53				
20	1	1	16-QAM	20.26	20.51	20.16	23.03	0.2009		
20	1	1	64-QAM	20.48	20.61	20.31				
20	1	1	256-QAM	20.41	20.74	20.37				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	20.50	20.75	20.38	23.19	0.2084		
30	1	76		20.69	20.66	20.90				
30	36	18		20.54	20.74	20.55				
30	1	0		20.46	20.73	20.53				
30	1	77		20.71	20.60	20.78				
30	75	0		20.55	20.72	20.63				
30	1	1	QPSK	20.46	20.75	20.34				
30	1	76		20.70	20.67	20.85				
30	36	18		20.52	20.72	20.54				
30	1	0		20.47	20.75	20.61				
30	1	77		20.68	20.62	20.84				
30	75	0		20.56	20.73	20.57				
30	1	1	16-QAM	20.36	20.59	20.01	23.11	0.2046		
30	1	1	64-QAM	20.49	20.80	20.42				
30	1	1	256-QAM	20.56	20.82	20.44				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	20.53	20.82	20.39	23.18	0.2080		
40	1	104		20.55	20.66	20.79				
40	50	25		20.52	20.79	20.51				
40	1	0		20.49	20.81	20.54				
40	1	105		20.55	20.69	20.79				
40	100	0		20.60	20.72	20.53				
40	1	1	QPSK	20.51	20.89	20.33				
40	1	104		20.52	20.69	20.76				
40	50	25		20.56	20.70	20.50				
40	1	0		20.50	20.79	20.57				
40	1	105		20.57	20.66	20.77				
40	100	0		20.59	20.78	20.54				
40	1	1	16-QAM	20.35	20.70	20.22	23.14	0.2061		
40	1	1	64-QAM	20.55	20.82	20.45				
40	1	1	256-QAM	20.53	20.85	20.46				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	20.54	20.88	20.56	23.20	0.2089		
50	1	131		20.52	20.59	20.79				
50	64	32		20.65	20.91	20.51				
50	1	0		20.54	20.76	20.64				
50	1	132		20.56	20.49	20.74				
50	128	0		20.65	20.83	20.57				
50	1	1	QPSK	20.54	20.87	20.54				
50	1	131		20.56	20.49	20.80				
50	64	32		20.64	20.82	20.40				
50	1	0		20.52	20.85	20.64				
50	1	132		20.53	20.51	20.78				
50	128	0		20.72	20.83	20.58				
50	1	1	16-QAM	20.36	20.70	20.40	23.24	0.2109		
50	1	1	64-QAM	20.52	20.95	20.61				
50	1	1	256-QAM	20.62	20.90	20.62				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	20.49	20.85	20.55	23.14	0.2061		
60	1	160		20.40	20.49	20.74				
60	81	40		20.60	20.84	20.38				
60	1	0		15.79	20.83	20.55				
60	1	161		20.42	20.50	20.70				
60	162	0		20.64	20.84	20.54				
60	1	1	QPSK	20.53	20.76	20.52				
60	1	160		20.45	20.49	20.68				
60	81	40		20.64	20.82	20.33				
60	1	0		20.51	20.83	20.52				
60	1	161		20.41	20.48	20.71				
60	162	0		20.57	20.76	20.51				
60	1	1	16-QAM	20.36	20.78	20.45	23.23	0.2104		
60	1	1	64-QAM	20.53	20.94	20.57				
60	1	1	256-QAM	20.50	20.86	20.60				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	20.41	20.77	20.46	23.11	0.2046		
80	1	215		20.27	20.42	20.68				
80	108	54		20.37	20.82	20.40				
80	1	0		20.37	20.70	20.35				
80	1	216		20.23	20.42	20.62				
80	216	0		20.33	20.69	20.46				
80	1	1	QPSK	20.39	20.69	20.45				
80	1	215		20.22	20.42	20.62				
80	108	54		20.36	20.78	20.38				
80	1	0		20.25	20.75	20.30				
80	1	216		20.20	20.41	20.65				
80	216	0		20.39	20.65	20.47				
80	1	1	16-QAM	20.27	20.62	20.27	23.17	0.2075		
80	1	1	64-QAM	20.50	20.85	20.53				
80	1	1	256-QAM	20.41	20.88	20.53				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	20.44	20.81	20.57	23.10	0.2042		
90	1	243		20.30	20.51	20.65				
90	120	60		20.45	20.73	20.53				
90	1	0		20.31	20.71	20.35				
90	1	244		20.23	20.48	20.58				
90	243	0		20.37	20.65	20.52				
90	1	1	QPSK	20.43	20.76	20.57				
90	1	243		20.25	20.48	20.62				
90	120	60		20.45	20.77	20.49				
90	1	0		20.29	20.74	20.39				
90	1	244		20.26	20.38	20.60				
90	243	0		20.41	20.71	20.55				
90	1	1	16-QAM	20.35	20.63	20.42	23.13	0.2056		
90	1	1	64-QAM	20.40	20.78	20.62				
90	1	1	256-QAM	20.48	20.84	20.66				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	20.44	20.90	20.69	23.19	0.2084		
100	1	271		20.38	20.33	20.70				
100	135	67		20.38	20.72	20.46				
100	1	0		20.35	20.89	20.57				
100	1	272		20.37	20.28	20.72				
100	270	0		20.34	20.65	20.52				
100	1	1	QPSK	20.31	20.89	20.69				
100	1	271		20.36	20.29	20.68				
100	135	67		20.39	20.69	20.50				
100	1	0		20.34	20.89	20.52				
100	1	272		20.37	20.31	20.72				
100	270	0		20.41	20.62	20.49				
100	1	1	16-QAM	20.29	20.66	20.46	23.22	0.2099		
100	1	1	64-QAM	20.39	20.85	20.70				
100	1	1	256-QAM	20.47	20.93	20.71				
Limit	EIRP < 2W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.57	23.60	23.37	25.35	0.3428
5	1	1	QPSK	23.87	23.64	23.49		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.62	23.54	23.54	25.20	0.3311
10	1	1	QPSK	23.72	23.61	23.47		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.71	23.85	23.59	25.34	0.3420
15	1	1	QPSK	23.86	23.80	23.63		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.75	23.74	23.62	25.24	0.3342
20	1	1	QPSK	23.68	23.76	23.60		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.83	23.79	23.77	25.41	0.3475
25	1	1	QPSK	23.74	23.93	23.91		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.83	23.63	23.74	25.31	0.3396
30	1	1	QPSK	23.76	23.70	23.80		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.67	23.69	23.64	25.35	0.3428
40	1	1	QPSK	23.69	23.56	23.87		
Limit	EIRP < 1W			Result			Pass	

NR n70 Maximum Average Power [dBm] (GT - LC = 0.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.43	23.26	23.43	24.59	0.2877
5	1	1	QPSK	23.33	23.62	23.67		
Limit	EIRP < 1W			Result			Pass	

NR n70 Maximum Average Power [dBm] (GT - LC = 0.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.30	23.26	23.37	24.40	0.2754
10	1	1	QPSK	23.21	23.18	23.48		
Limit	EIRP < 1W			Result			Pass	

NR n70 Maximum Average Power [dBm] (GT - LC = 0.92 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	-	23.41	-	24.35	0.2723
15	1	1	QPSK	-	23.43	-		
Limit	EIRP < 1W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.54	23.24	23.29	20.72	0.1180
5	1	1	QPSK	23.55	23.29	23.32		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	23.76	23.38	23.34	20.93	0.1239
10	1	1	QPSK	23.57	23.27	23.35		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.87	23.60	23.35	21.04	0.1271
15	1	1	QPSK	23.55	23.50	23.41		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.73	23.55	23.44	20.92	0.1236
20	1	1	QPSK	23.75	23.45	23.58		
Limit	ERP < 3W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.82	25.79	26.01	28.31	0.6776
10	1	1	QPSK	25.82	25.79	26.00		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.08	26.03	26.23	28.53	0.7129
15	1	1	QPSK	26.05	26.01	26.17		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.10	26.03	26.16	28.46	0.7015
20	1	1	QPSK	26.07	25.99	26.13		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.05	26.04	26.31	28.61	0.7261
30	1	1	QPSK	26.04	25.96	26.26		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.21	26.13	26.19	28.51	0.7096
40	1	1	QPSK	26.21	26.10	26.19		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.94	25.85	25.99	28.29	0.6745
50	1	1	QPSK	25.88	25.82	25.94		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	25.92	25.84	25.81	28.22	0.6637
60	1	1	QPSK	25.87	25.83	25.77		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.79	25.69	25.80	28.10	0.6457
70	1	1	QPSK	25.77	25.66	25.76		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.72	25.70	25.87	28.17	0.6561
80	1	1	QPSK	25.75	25.65	25.83		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.71	25.62	25.77	28.07	0.6412
90	1	1	QPSK	25.66	25.55	25.75		
Limit	EIRP < 1W			Result			Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	25.75	25.54	25.80	28.10	0.6457
100	1	1	QPSK	25.67	25.54	25.71		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	25.87	25.82	25.84	28.17	0.6561
10	1	1	QPSK	25.81	25.75	25.81		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	26.00	26.06	26.10	28.40	0.6918
15	1	1	QPSK	25.99	26.04	26.07		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	26.26	26.17	26.15	28.57	0.7194
20	1	1	QPSK	26.27	26.19	26.15		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	26.30	26.33	26.22	28.66	0.7345
30	1	1	QPSK	26.17	26.36	26.20		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	26.32	26.27	26.18	28.63	0.7295
40	1	1	QPSK	26.26	26.33	26.12		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	26.06	26.09	25.93	28.40	0.6918
50	1	1	QPSK	26.08	26.10	25.87		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
60	1	1	PI/2 BPSK	26.06	26.09	26.03	28.40	0.6918
60	1	1	QPSK	26.05	26.10	26.00		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
70	1	1	PI/2 BPSK	25.87	25.90	25.98	28.28	0.6730
70	1	1	QPSK	25.85	25.87	25.94		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	25.86	25.77	25.86	28.16	0.6546
80	1	1	QPSK	25.83	25.75	25.84		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	25.85	25.77	25.85	28.15	0.6531
90	1	1	QPSK	25.85	25.77	25.81		
Limit	EIRP < 1W			Result			Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	-	25.86	-	28.16	0.6546
100	1	1	QPSK	-	25.84	-		
Limit	EIRP < 1W			Result			Pass	

Conducted Output Power (Average power and EIRP)

<MIMO Mode>

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	17.67	17.69	17.47	17.62	17.45	16.98	20.66	20.58	20.24	22.95	0.1972
10	1	22		17.51	17.65	17.57	17.60	17.45	17.10	20.57	20.56	20.35		
10	12	6		17.49	17.74	17.52	17.69	17.56	17.11	20.60	20.66	20.33		
10	1	0		17.56	17.67	17.52	17.65	17.49	16.98	20.62	20.59	20.27		
10	1	23		17.57	17.62	17.56	17.59	17.35	17.07	20.59	20.50	20.33		
10	24	0		17.48	17.69	17.52	17.63	17.50	17.03	20.57	20.61	20.29		
10	1	1	16-QAM	17.69	17.84	17.67	17.49	17.40	17.12	20.60	20.64	20.41	22.93	0.1963
10	1	1	64-QAM	17.66	17.81	17.71	17.51	17.33	16.90	20.60	20.59	20.33		
10	1	1	256-QAM	16.62	16.74	16.58	16.50	16.46	15.95	19.57	19.61	19.29		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	QPSK	17.65	17.80	17.59	17.90	17.77	17.29	20.79	20.80	20.45	23.12	0.2051
15	1	36		17.75	17.72	17.78	17.79	17.66	17.40	20.78	20.70	20.60		
15	19	9		17.59	17.76	17.76	17.89	17.74	17.40	20.75	20.76	20.59		
15	1	0		17.49	17.84	17.86	17.94	17.80	17.43	20.73	20.83	20.66		
15	1	37		17.52	17.72	17.92	17.76	17.63	17.43	20.65	20.69	20.69		
15	38	0		17.57	17.60	17.80	17.84	17.70	17.41	20.72	20.66	20.62		
15	1	1	16-QAM	17.69	17.89	17.79	17.84	17.58	17.38	20.78	20.75	20.60	23.09	0.2037
15	1	1	64-QAM	17.74	17.88	17.85	17.83	17.66	17.29	20.80	20.78	20.59		
15	1	1	256-QAM	16.65	16.76	16.73	16.86	16.72	16.42	19.77	19.75	19.59		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	17.49	17.85	17.65	17.63	17.75	17.41	20.57	20.81	20.54	23.10	0.2042
20	1	49		17.48	17.68	17.80	17.49	17.57	17.34	20.50	20.64	20.59		
20	25	12		17.42	17.71	17.68	17.70	17.76	17.41	20.57	20.75	20.56		
20	1	0		17.36	17.81	17.76	17.64	17.78	17.36	20.51	20.81	20.57		
20	1	50		17.41	17.68	17.97	17.62	17.68	17.47	20.53	20.69	20.74		
20	51	0		17.44	17.55	17.61	17.66	17.76	17.41	20.56	20.67	20.52		
20	1	1	16-QAM	17.52	17.93	17.65	17.69	17.52	17.25	20.62	20.74	20.46	23.06	0.2023
20	1	1	64-QAM	17.55	17.89	17.68	17.60	17.63	17.25	20.59	20.77	20.48		
20	1	1	256-QAM	16.53	16.89	16.52	16.63	16.72	16.30	19.59	19.82	19.42		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	17.74	18.02	17.51	17.74	17.65	17.44	20.75	20.85	20.49	23.23	0.2104
30	1	76		17.89	17.87	18.06	17.68	17.53	17.79	20.80	20.71	20.94		
30	39	19		17.55	17.77	17.76	17.95	17.53	17.58	20.76	20.66	20.68		
30	1	0		17.67	17.80	17.69	17.74	17.90	17.61	20.72	20.86	20.66		
30	1	77		17.85	17.82	17.89	17.60	17.62	17.60	20.74	20.73	20.76		
30	78	0		17.61	17.83	17.72	17.70	17.68	17.54	20.67	20.77	20.64		
30	1	1	16-QAM	17.92	18.13	17.77	17.63	17.72	17.52	20.79	20.94	20.66	23.23	0.2104
30	1	1	64-QAM	17.72	18.00	17.86	17.63	17.58	17.45	20.69	20.81	20.67		
30	1	1	256-QAM	16.72	16.97	16.76	16.69	16.70	16.49	19.72	19.85	19.64		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.29 dB)														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	17.92	17.95	17.53	17.88	17.69	17.44	20.91	20.83	20.50	23.25	0.2113
40	1	104		17.77	17.79	17.98	17.54	17.31	17.79	20.67	20.57	20.90		
40	53	26		17.49	17.80	17.61	17.65	17.66	17.39	20.58	20.74	20.51		
40	1	0		17.62	18.07	17.83	17.82	17.82	17.68	20.73	20.96	20.77		
40	1	105		17.72	17.84	17.97	17.87	17.53	17.59	20.81	20.70	20.79		
40	106	0		17.55	17.92	17.70	17.67	17.67	17.53	20.62	20.81	20.63		
40	1	1		16-QAM	17.73	18.00	17.50	17.58	17.84	17.44	20.67	20.93		
40	1	1	64-QAM	17.90	17.98	17.66	17.62	17.67	17.41	20.77	20.84	20.55		
40	1	1	256-QAM	16.72	16.99	16.59	16.57	16.77	16.45	19.66	19.89	19.53		
Limit	EIRP < 2W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.92	21.53	22.04	20.91	21.14	21.02	24.45	24.35	24.57	26.87	0.4864
10	1	1	16-QAM	21.08	21.03	21.42	20.58	20.70	20.52	23.85	23.88	24.00	26.30	0.4266
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	22.00	21.86	22.41	21.21	21.26	21.16	24.63	24.58	24.84	27.14	0.5176
15	1	1	16-QAM	21.49	21.41	21.71	20.91	21.02	20.88	24.22	24.23	24.33	26.63	0.4603
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.93	22.11	22.32	21.34	21.10	21.15	24.66	24.64	24.78	27.08	0.5105
20	1	1	16-QAM	21.53	21.35	21.67	20.85	20.78	20.79	24.21	24.08	24.26	26.56	0.4529
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.95	22.26	21.11	21.23	21.35	24.58	24.62	24.84	27.14	0.5176
30	1	1	16-QAM	21.35	21.29	21.55	20.52	20.91	20.81	23.97	24.11	24.21	26.51	0.4477
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.97	21.89	22.01	21.47	21.39	21.37	24.74	24.66	24.71	27.04	0.5058
40	1	1	16-QAM	21.68	21.32	21.50	21.03	21.12	20.98	24.38	24.23	24.26	26.68	0.4656
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.54	21.99	21.17	21.10	21.26	24.44	24.34	24.65	26.95	0.4955
50	1	1	16-QAM	21.36	21.16	21.32	20.61	20.86	20.73	24.01	24.02	24.05	26.35	0.4315
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.69	21.74	21.62	21.14	21.20	20.86	24.43	24.49	24.27	26.79	0.4775
60	1	1	16-QAM	21.27	21.08	20.97	20.67	20.69	20.31	23.99	23.90	23.66	26.29	0.4256
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.65	21.65	21.54	20.92	21.14	20.72	24.31	24.41	24.16	26.71	0.4688
70	1	1	16-QAM	20.90	21.03	20.92	20.51	20.51	20.06	23.72	23.79	23.52	26.09	0.4064
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.64	21.48	21.72	20.95	21.03	20.84	24.32	24.27	24.31	26.62	0.4592
80	1	1	16-QAM	21.13	20.65	21.00	20.18	20.67	20.62	23.69	23.67	23.82	26.12	0.4093
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.77	21.85	21.88	20.72	20.87	20.85	24.29	24.40	24.41	26.71	0.4688
90	1	1	16-QAM	21.01	20.81	20.83	20.15	20.23	20.19	23.61	23.54	23.53	25.91	0.3899
Limit	EIRP < 1W			Result									Pass	

Part 270 NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.51	21.57	21.47	20.70	20.95	20.88	24.13	24.28	24.20	26.58	0.4550
100	1	1	16-QAM	21.03	20.74	20.86	20.21	20.24	20.49	23.65	23.51	23.69	25.99	0.3972
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.98	21.84	22.31	21.07	21.27	21.23	24.56	24.57	24.81	27.11	0.5140
10	1	1	16-QAM	21.39	21.58	21.61	20.70	20.72	20.83	24.07	24.18	24.25	26.55	0.4519
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	22.04	22.04	22.27	21.45	21.36	21.39	24.77	24.72	24.86	27.16	0.5200
15	1	1	16-QAM	21.68	21.58	21.65	20.99	21.00	20.91	24.36	24.31	24.31	26.66	0.4634
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	22.37	22.15	22.01	21.26	21.59	21.43	24.86	24.89	24.74	27.19	0.5236
20	1	1	16-QAM	21.62	21.77	21.67	21.09	21.11	20.97	24.37	24.46	24.34	26.76	0.4742
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	22.15	22.38	22.31	21.49	21.52	21.60	24.84	24.98	24.98	27.28	0.5346
30	1	1	16-QAM	21.65	21.72	21.61	20.96	21.17	21.09	24.33	24.46	24.37	26.76	0.4742
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	22.08	22.18	22.11	21.40	21.58	21.49	24.76	24.90	24.82	27.20	0.5248
40	1	1	16-QAM	21.63	21.72	21.59	21.05	21.14	21.06	24.36	24.45	24.34	26.75	0.4732
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.86	22.13	21.98	21.10	21.22	21.06	24.51	24.71	24.55	27.01	0.5023
50	1	1	16-QAM	21.39	21.50	21.48	20.87	20.87	20.99	24.15	24.21	24.25	26.55	0.4519
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.89	22.02	22.21	21.27	21.41	21.27	24.60	24.74	24.78	27.08	0.5105
60	1	1	16-QAM	21.38	21.54	21.39	20.86	20.92	20.84	24.14	24.25	24.13	26.55	0.4519
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.74	21.83	21.85	21.14	21.19	21.22	24.46	24.53	24.56	26.86	0.4853
70	1	1	16-QAM	21.33	21.15	21.32	20.54	20.66	20.59	23.96	23.92	23.98	26.28	0.4246
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.63	21.56	22.25	20.89	21.10	21.01	24.29	24.35	24.68	26.98	0.4989
80	1	1	16-QAM	21.15	21.15	21.34	20.55	20.66	20.92	23.87	23.92	24.15	26.45	0.4416
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	21.93	21.89	21.65	21.15	20.96	21.14	24.57	24.46	24.41	26.87	0.4864
90	1	1	16-QAM	21.14	20.96	20.99	20.28	20.48	20.62	23.74	23.74	23.82	26.12	0.4093
Limit	EIRP < 1W			Result									Pass	

Part 27Q NR n77 PC2 Maximum Average Power [dBm] (GT - LC = 2.3 dB)														
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	-	21.92	-	-	20.92	-	-	24.46	-	-	-
100	1	1	16-QAM	-	21.11	-	-	20.75	-	-	23.94	-	-	-
Limit	EIRP < 1W			Result									Pass	

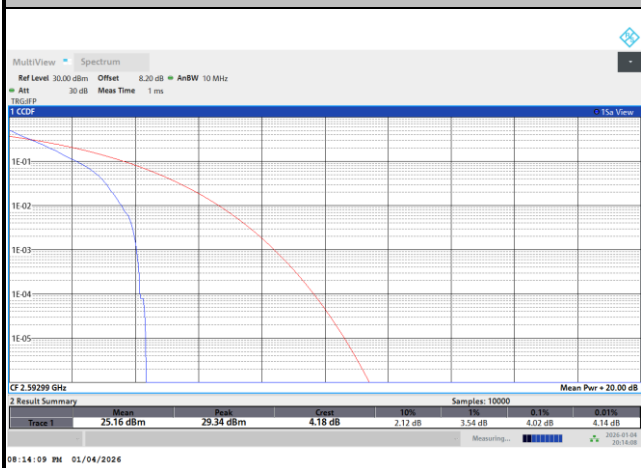
**FR1 n41****<SISO Mode>****Peak-to-Average Ratio**

Mode	FR1 n41 / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.02	4.68	5.58	5.86	PASS
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.84				PASS

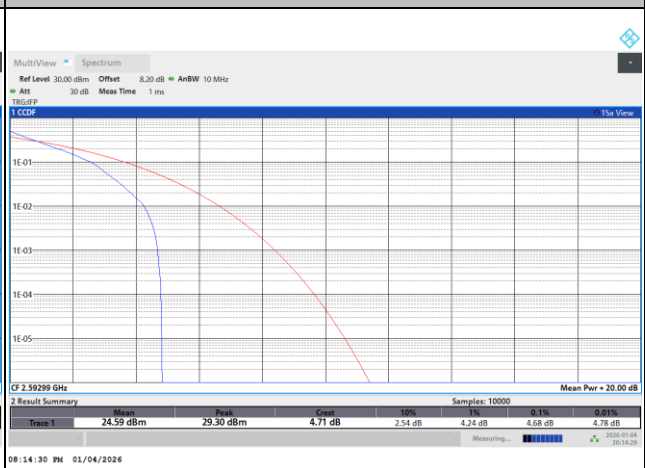


FR1 n41 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

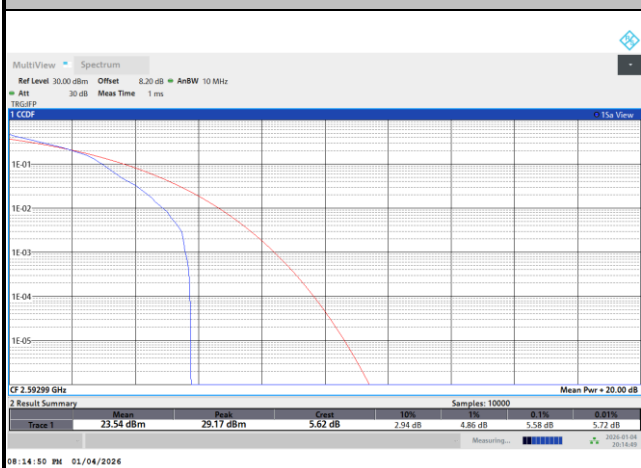
PI/2 BPSK



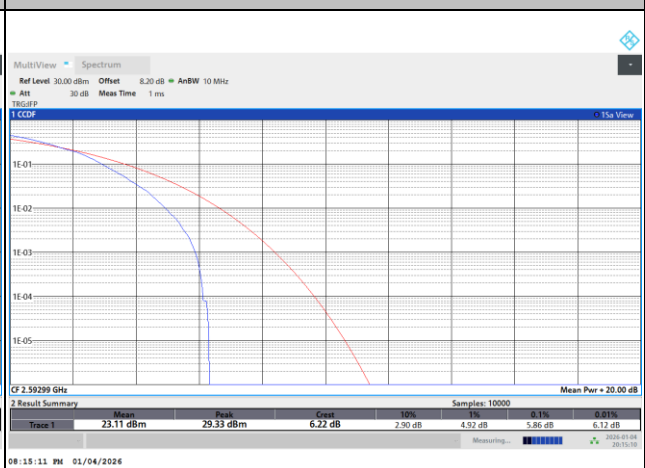
QPSK



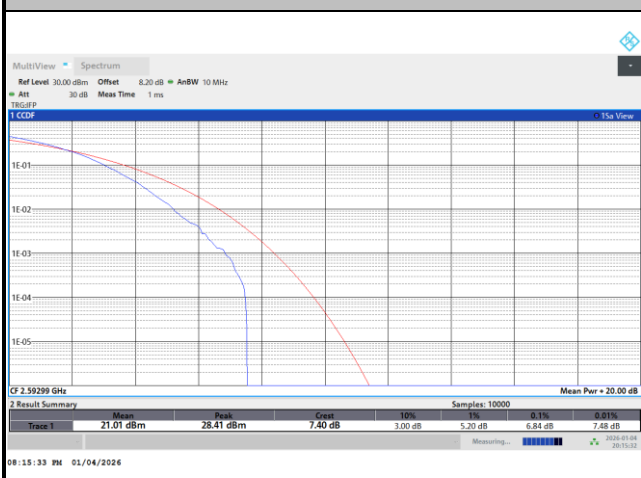
16QAM



64QAM



256QAM

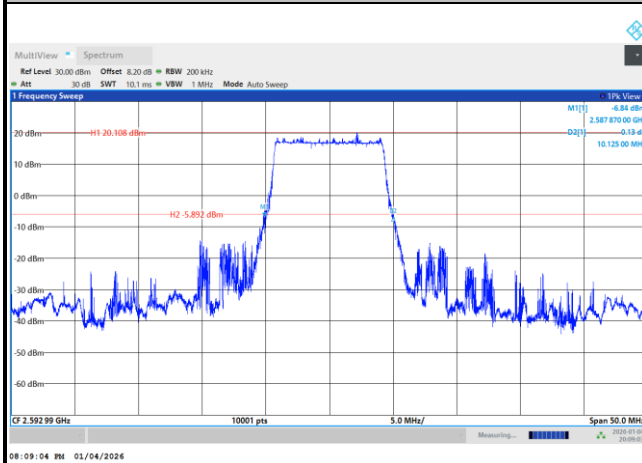


**26dB Bandwidth**

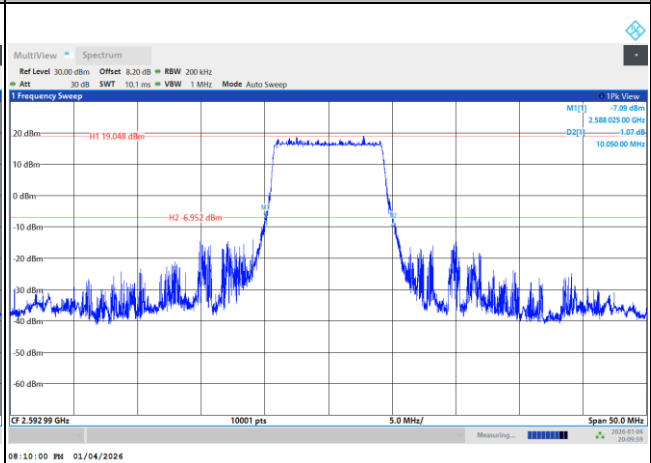
Mode	FR1 n41 : 26dB BW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	10.12	10.05	14.59	14.71				
Mod.	16QAM		16QAM					
Middle CH	10.16		14.60					



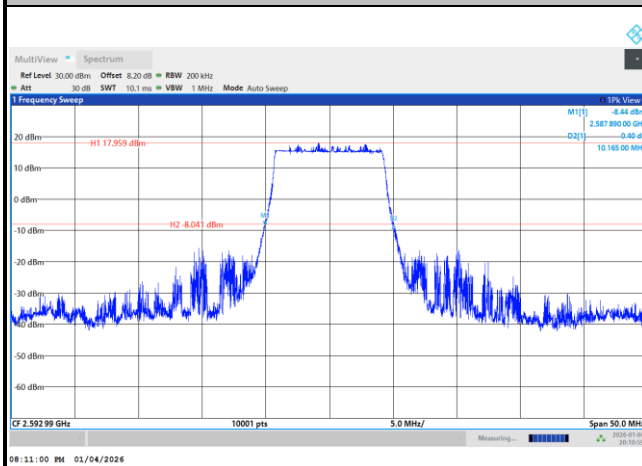
FR1 n41 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



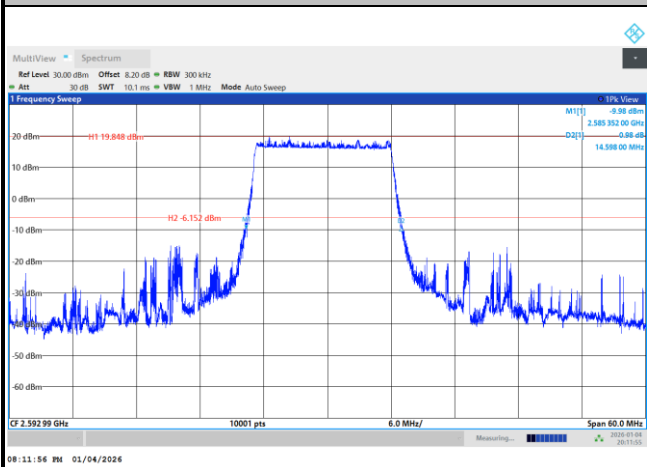
16QAM



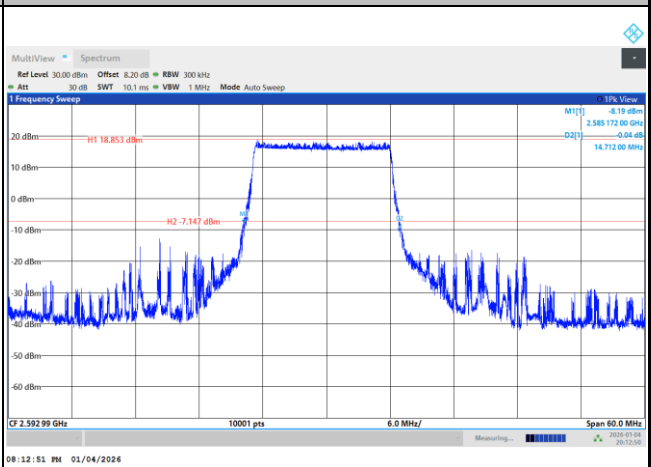


FR1 n41 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

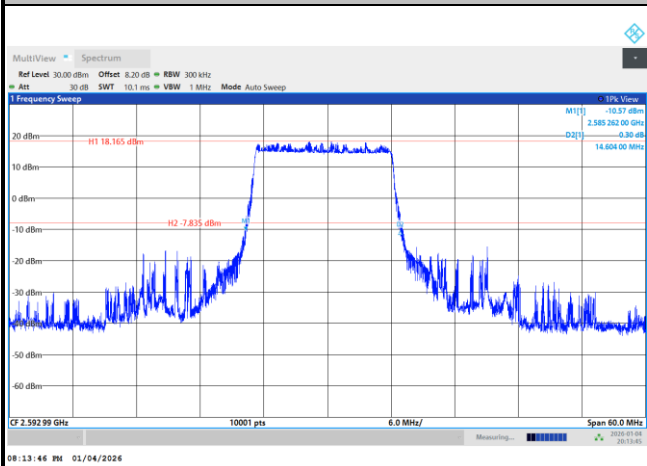
QPSK



QPSK



16QAM



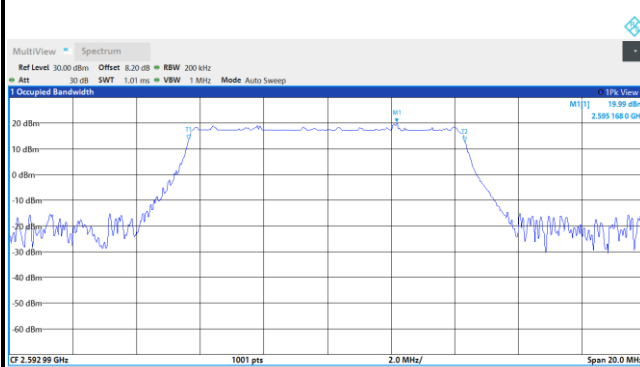
**Occupied Bandwidth**

Mode	FR1 n41 : 99%OBW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	8.67	8.66	12.99	13.00				
Mod.	16QAM		16QAM					
Middle CH	8.69		12.99					

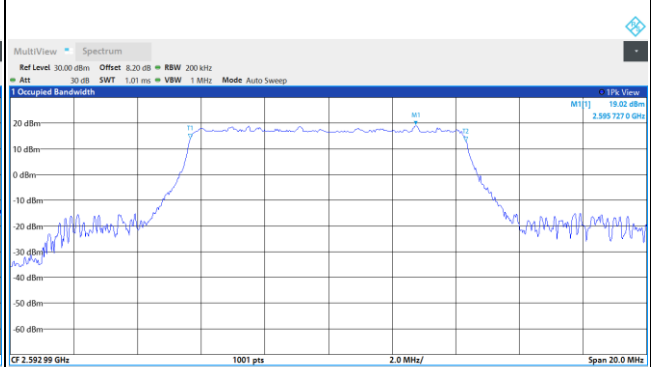


FR1 n41 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

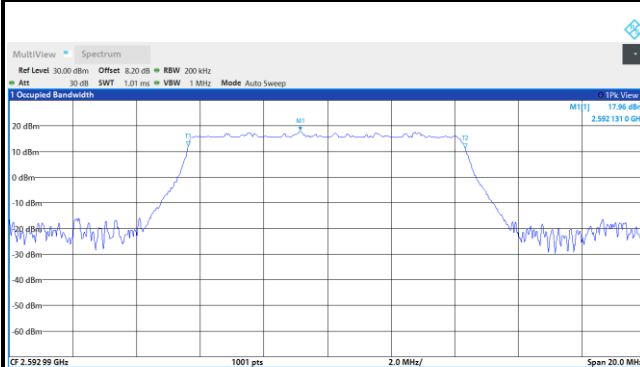
PI/2 BPSK



QPSK



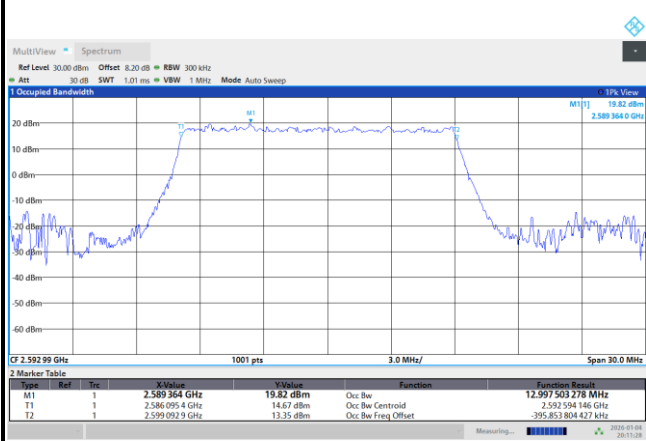
16QAM



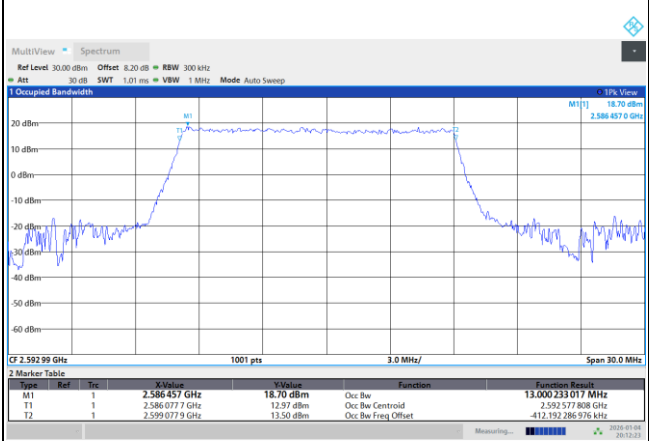


FR1 n41 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

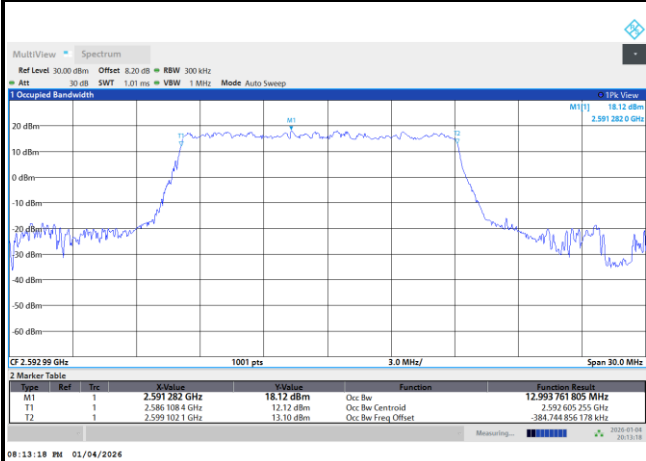
QPSK



QPSK



16QAM

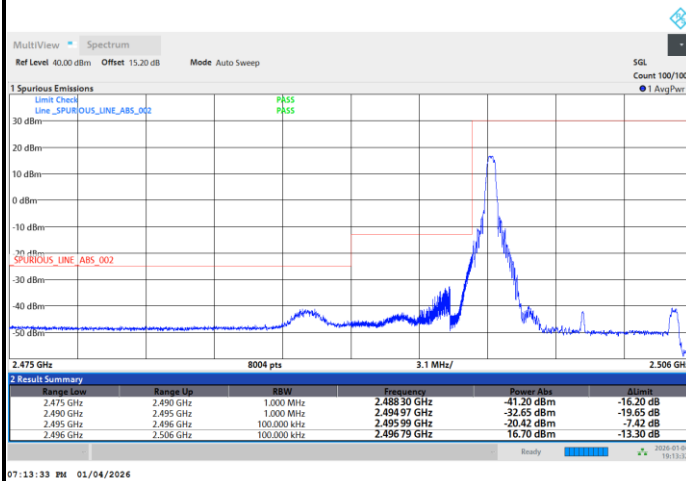




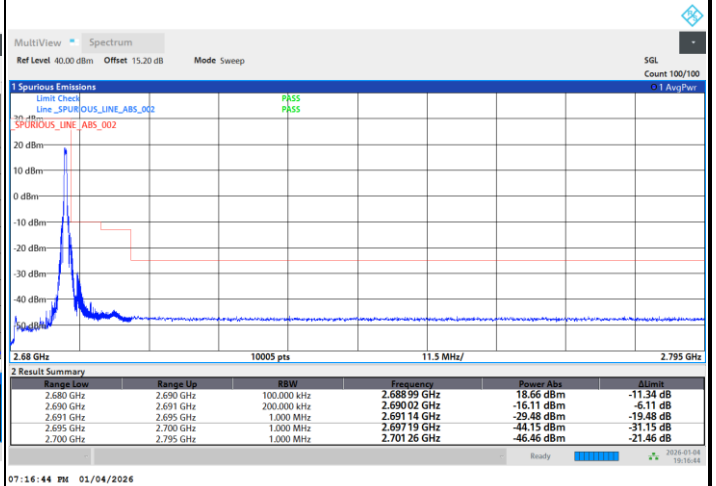
Conducted Band Edge

FR1 n41 / 10MHz / DFT-S OFDM / PI/2 BPSK

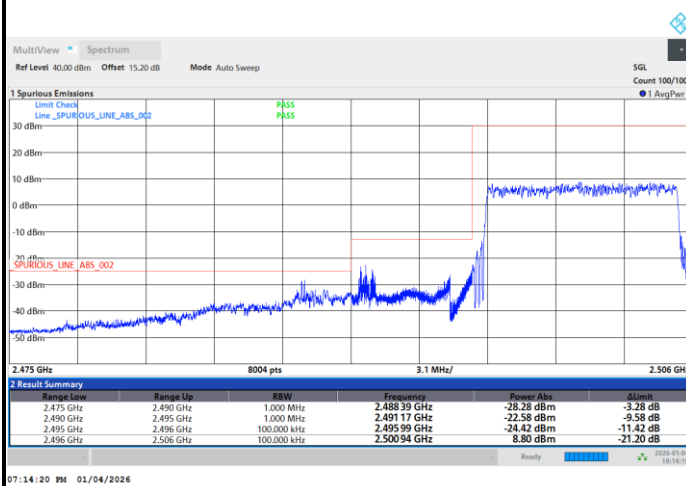
Lowest Band Edge / 1RB0



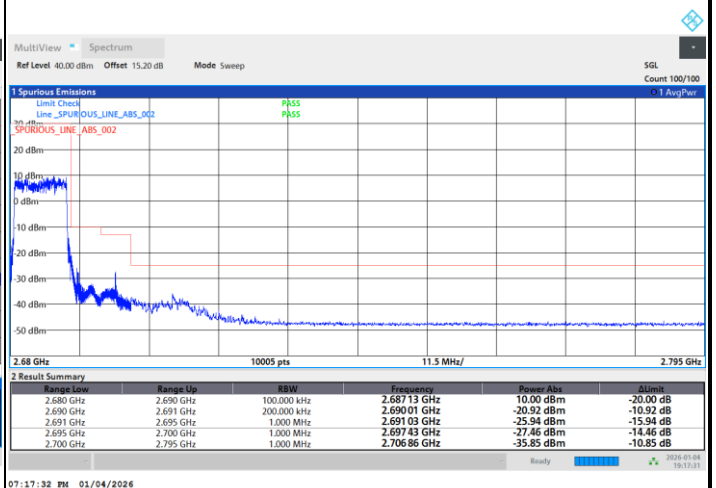
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



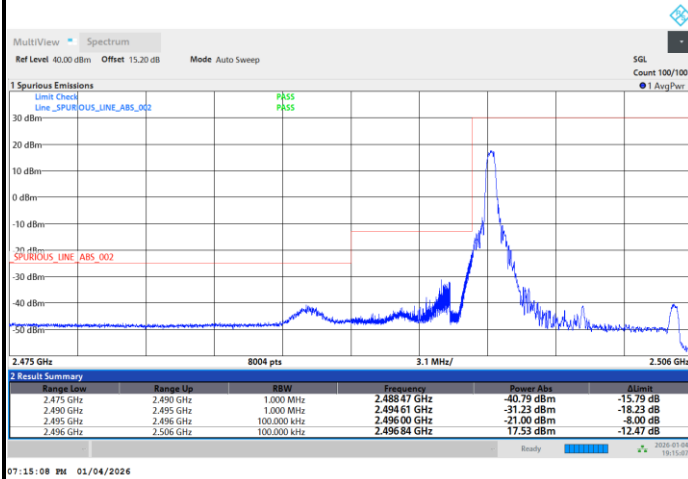
Highest Band Edge / Full RB



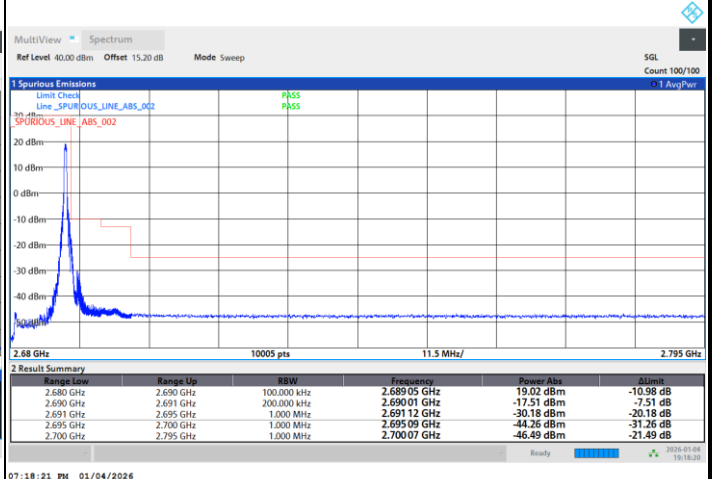


FR1 n41 / 10MHz / DFT-S OFDM / QPSK

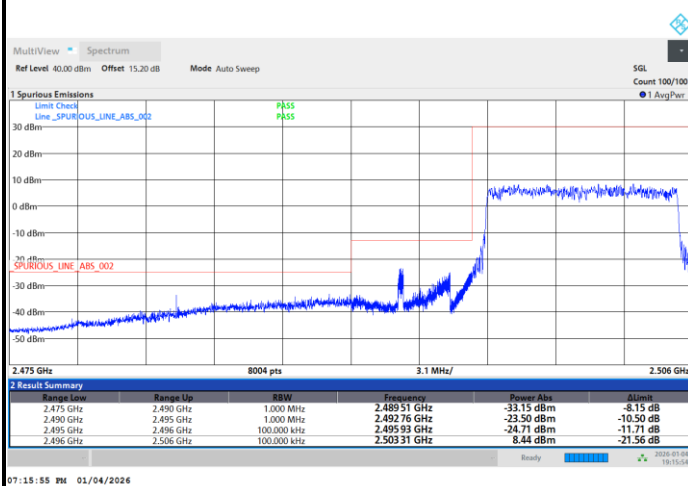
Lowest Band Edge / 1RB0



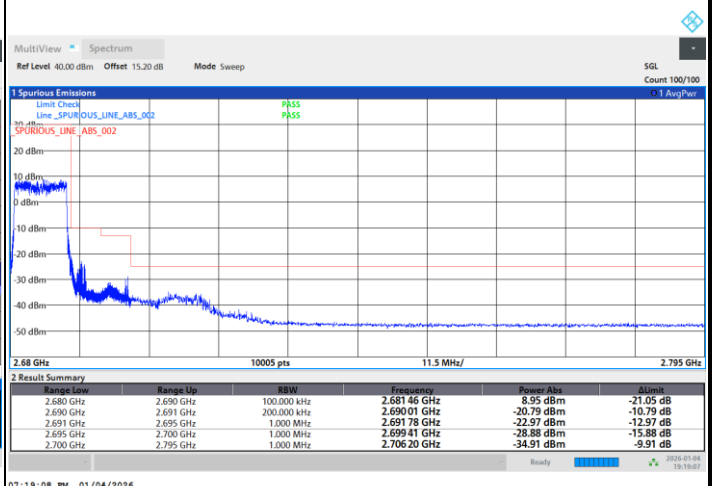
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

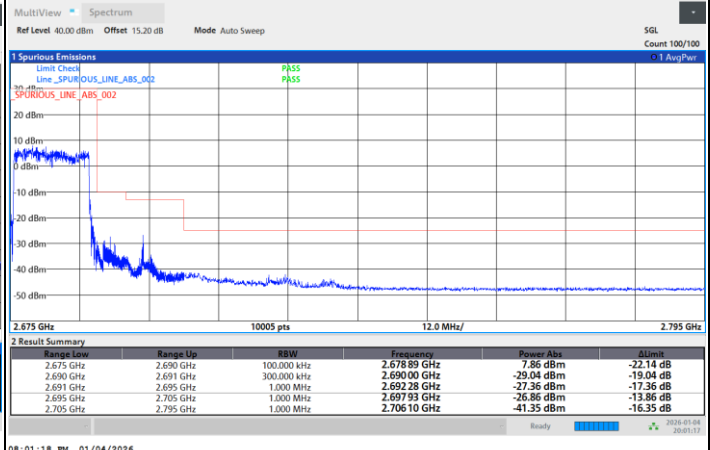
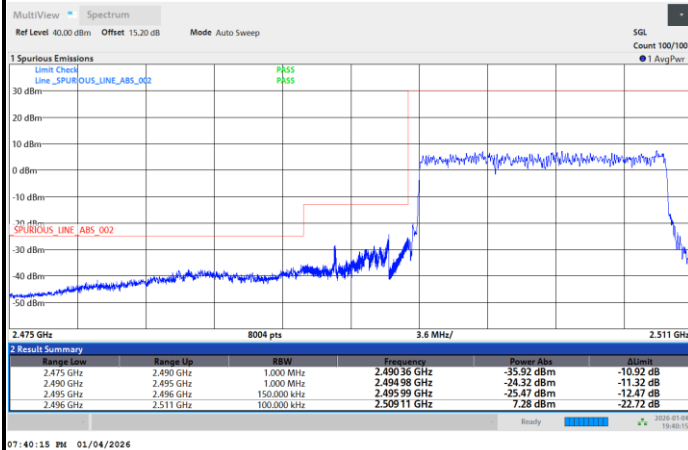




FR1 n41 / 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

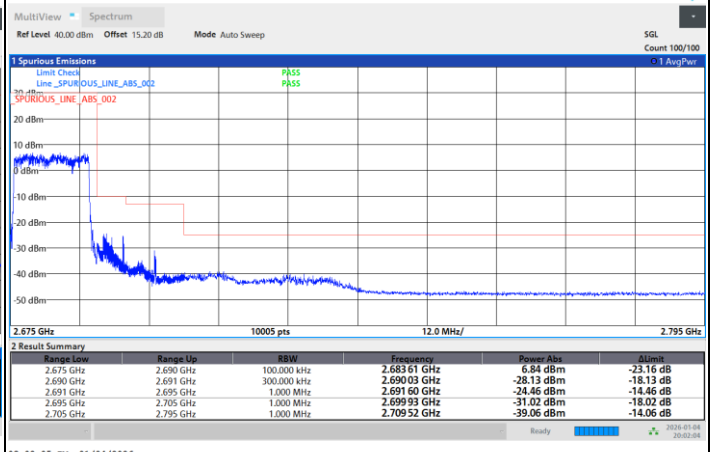
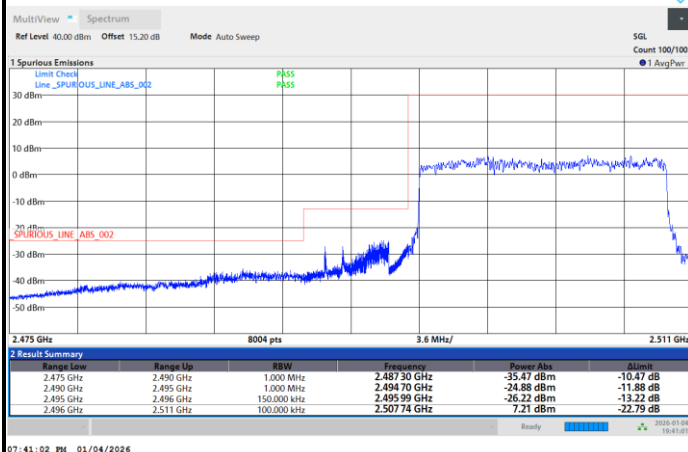
Highest Band Edge / Full RB



FR1 n41 / 15MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

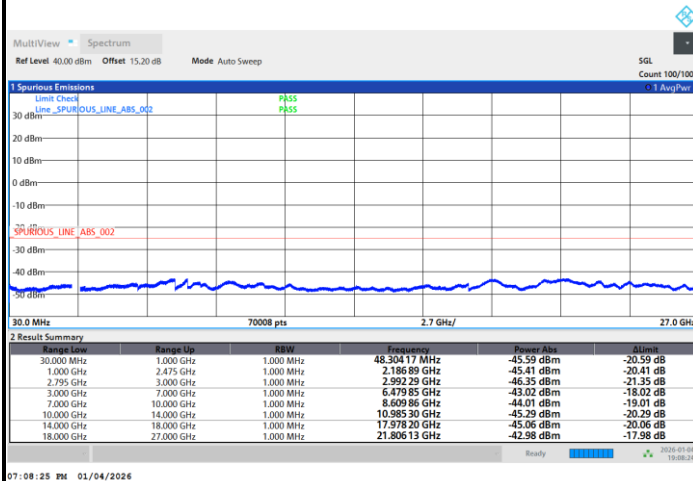




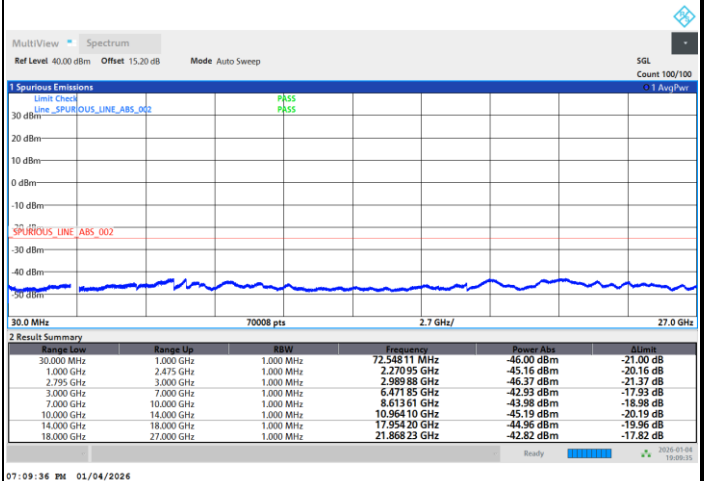
Conducted Spurious Emission

FR1 n41 / 10MHz / DFT-S OFDM / QPSK / 1RB1

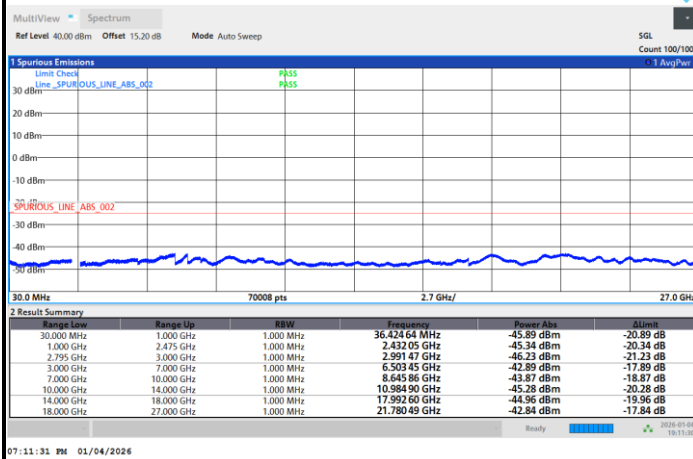
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n41 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0044	-11.3	Yes	PASS
40	Normal Voltage	0.0007	-1.9	Yes	
30	Normal Voltage	0.0023	-6	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0028	7.3	Yes	
0	Normal Voltage	0.0000	-0.1	Yes	
-10	Normal Voltage	0.0020	-5.2	Yes	
-20	Normal Voltage	0.0020	5.3	Yes	
-30	Normal Voltage	0.0018	-4.6	Yes	
20	Maximum Voltage	0.0047	-12.1	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0011	2.8	Yes	

Note:

1. Normal Voltage = 10.8 V. ; Minimum Voltage = 7.5 V. ; Maximum Voltage = 12.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

**FR1 n41****<MIMO Mode>****MIMO <Ant. 2+0> (Ant. 2)****Peak-to-Average Ratio**

Mode	FR1 n41 / 10MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.68	6.66	7.12	8.46	PASS

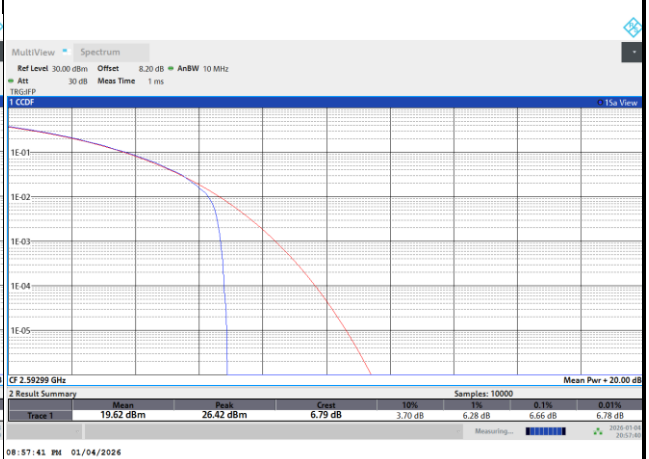


FR1 n41 / 10MHz /CP OFDM / Middle Channel / Full RB

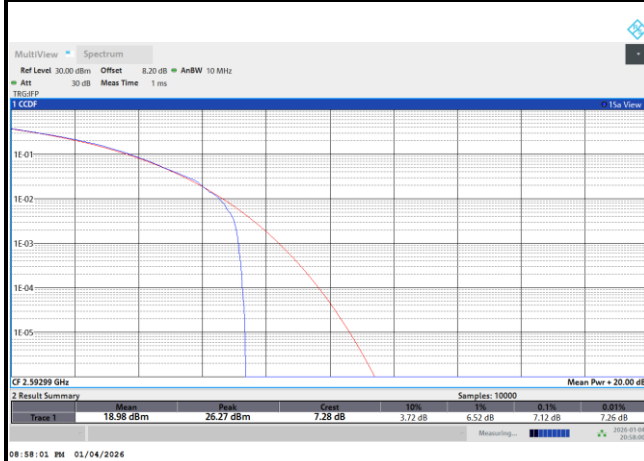
QPSK



16QAM



64QAM



256QAM



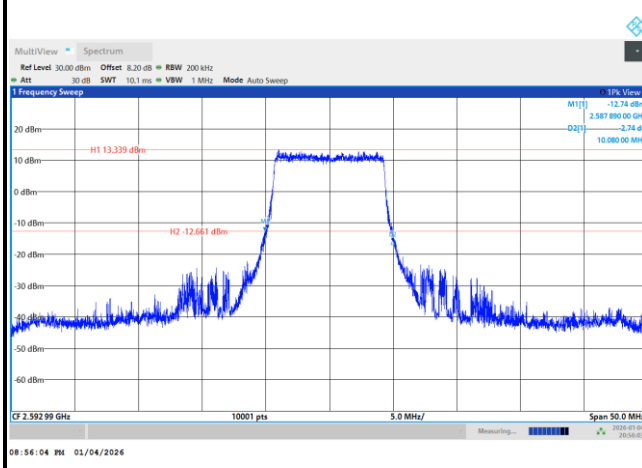
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	10.08	10.10	15.32	15.33				

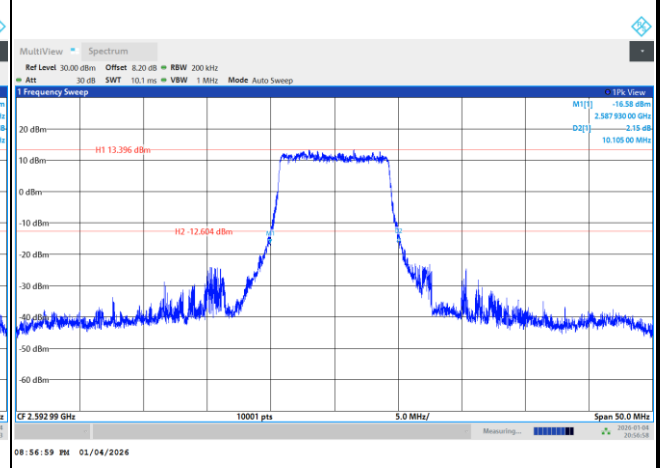


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK

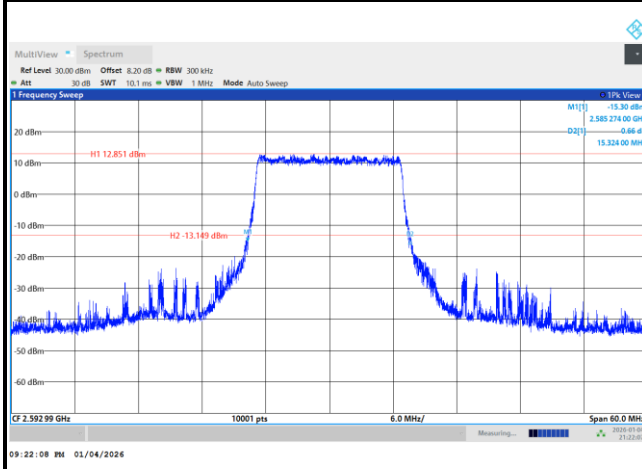


16QAM

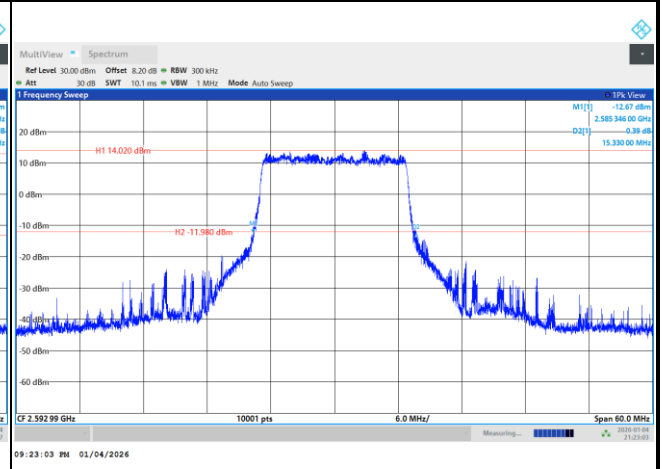


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM





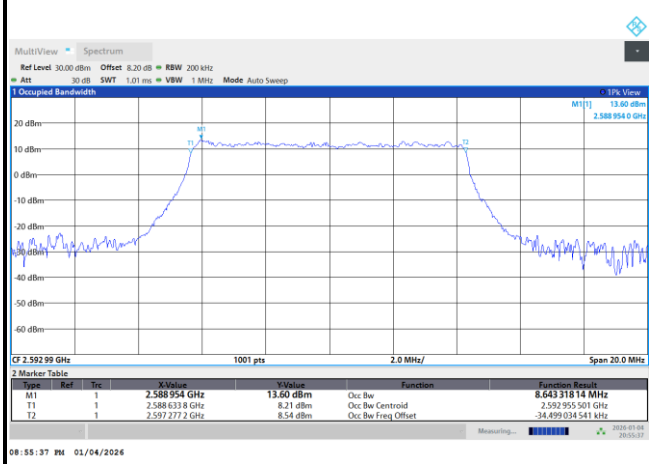
Occupied Bandwidth

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	8.64	8.63	13.65	13.63				

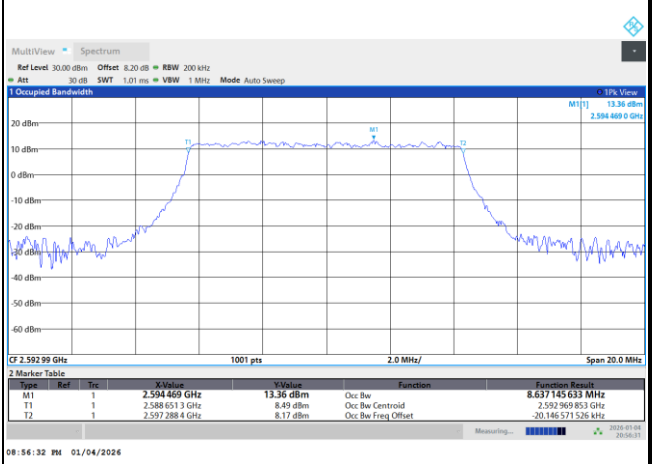


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK

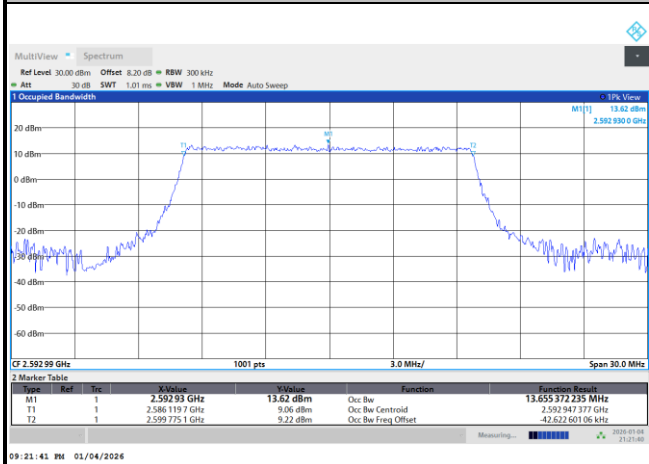


16QAM

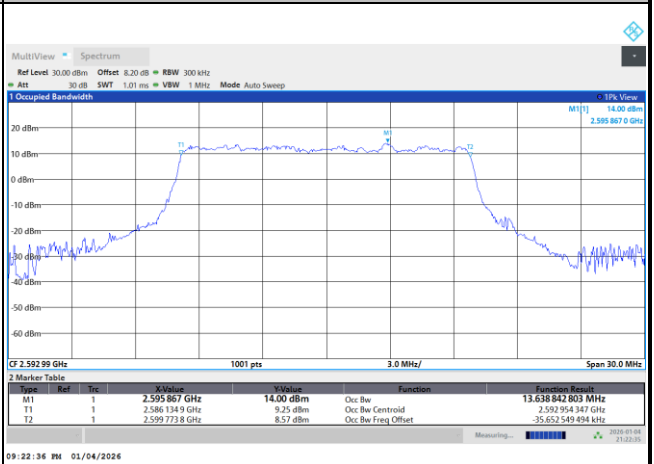


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM



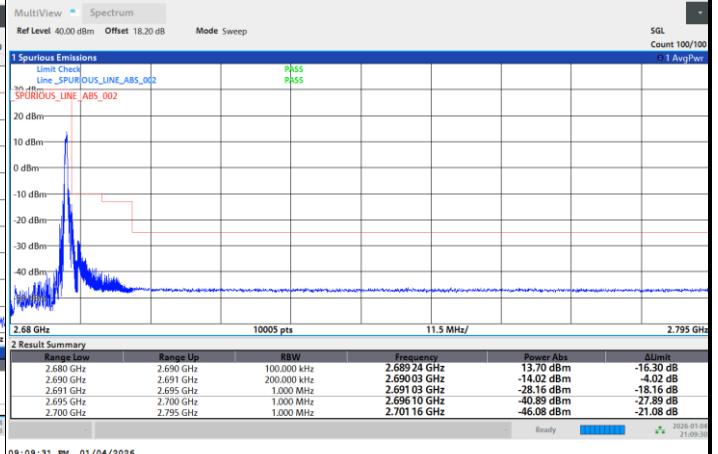
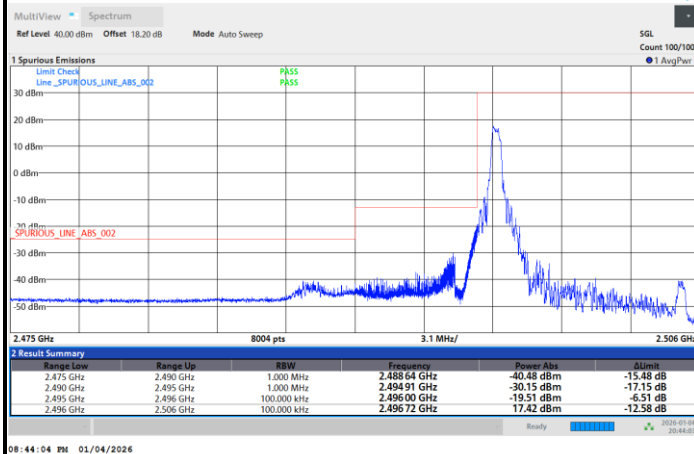


Conducted Band Edge

FR1 n41 / 10MHz / CP OFDM / QPSK

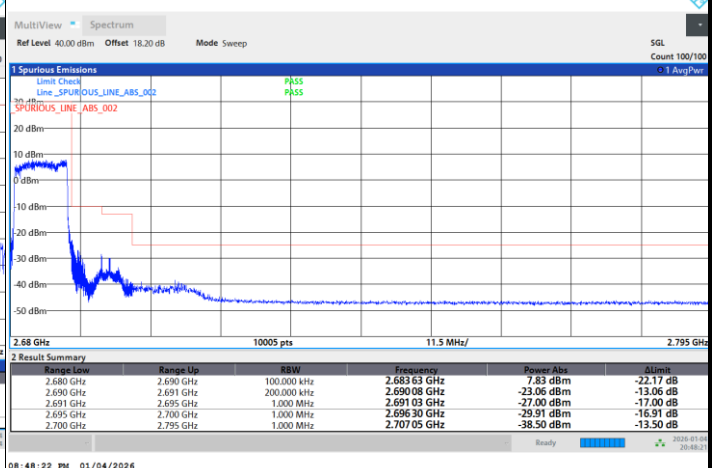
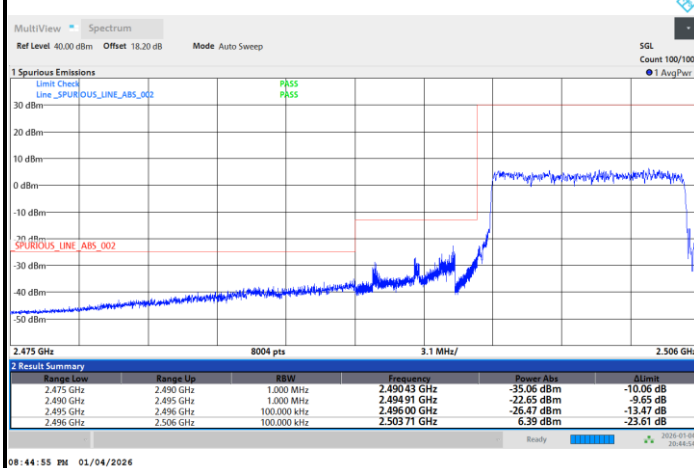
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

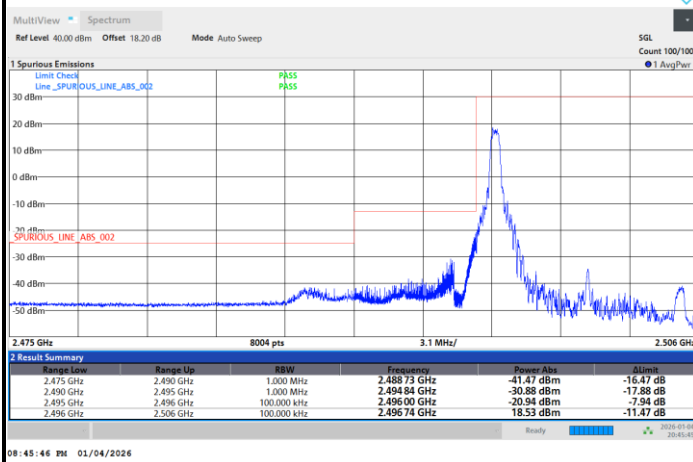
Highest Band Edge / Full RB



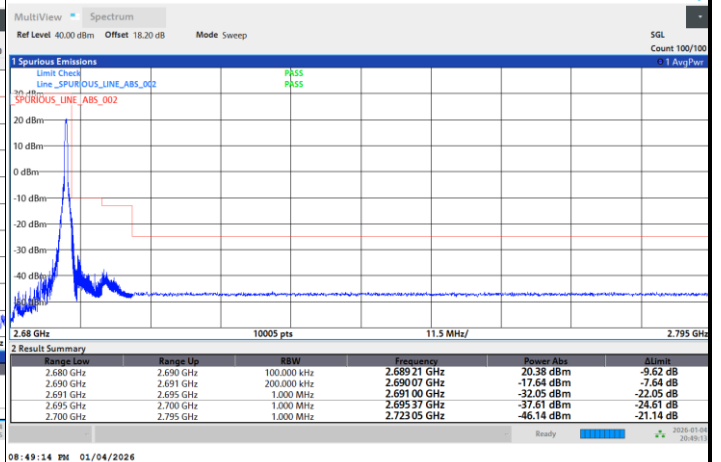


FR1 n41 / 10MHz / CP OFDM / 16QAM

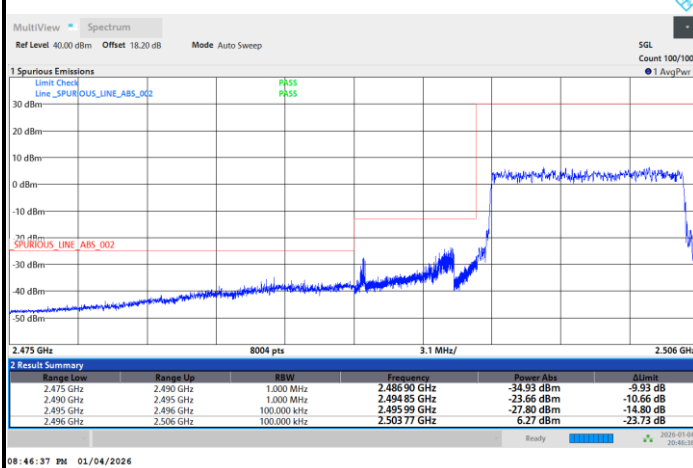
Lowest Band Edge / 1RB0



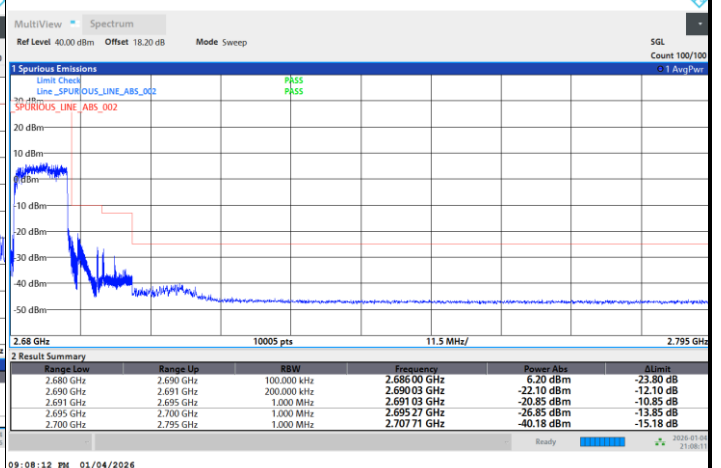
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

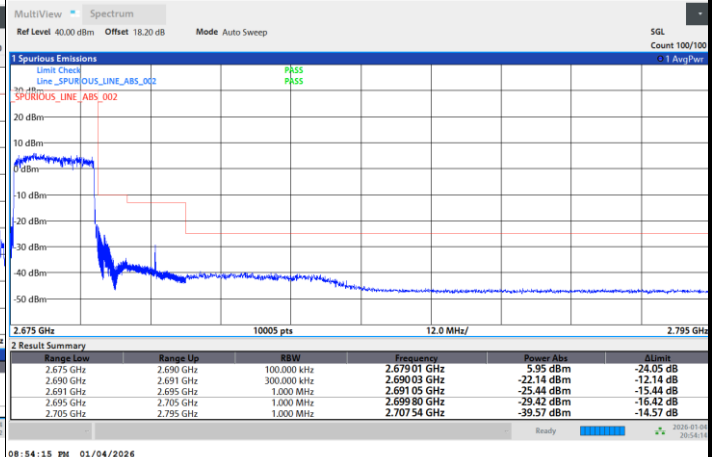
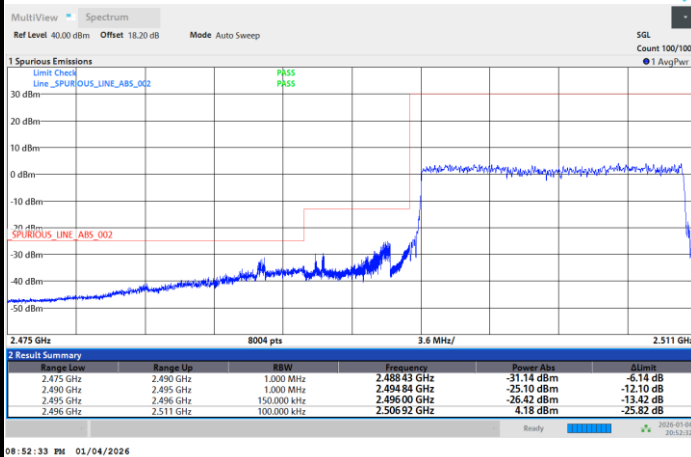




FR1 n41 / 15MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

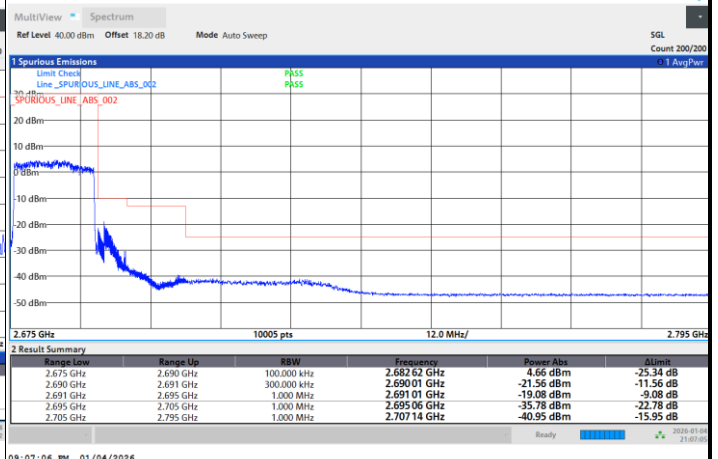
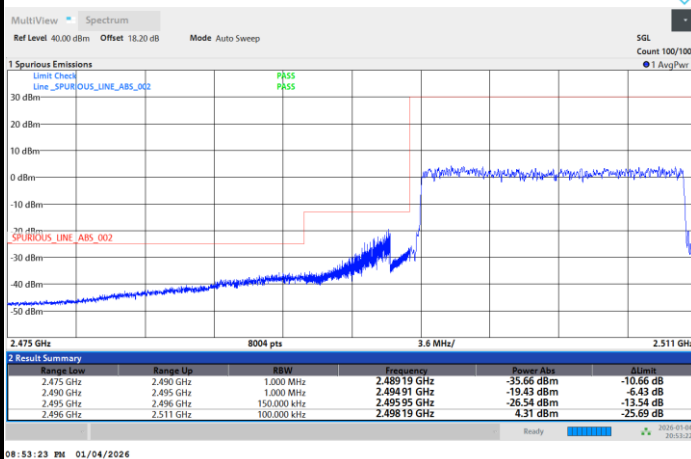
Highest Band Edge / Full RB



FR1 n41 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

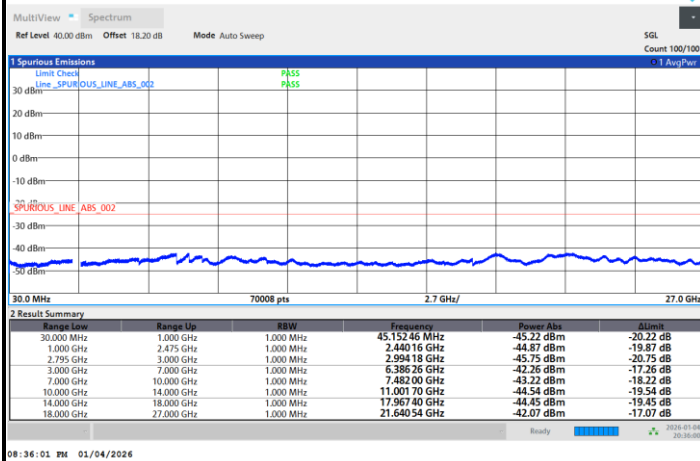




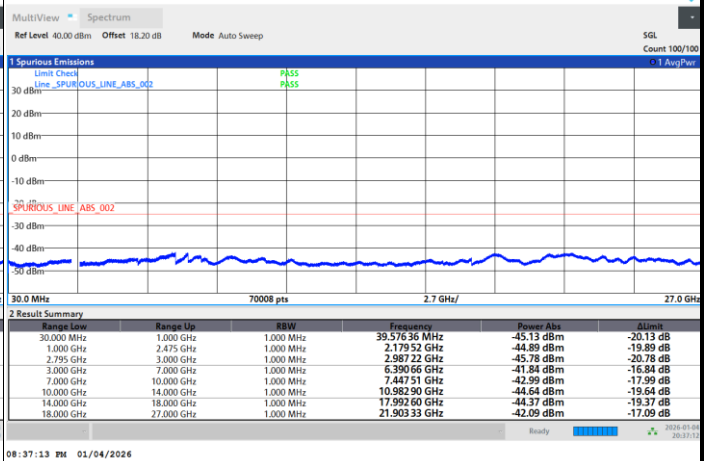
Conducted Spurious Emission

FR1 n41 / 10MHz / CP OFDM / QPSK / 1RB1

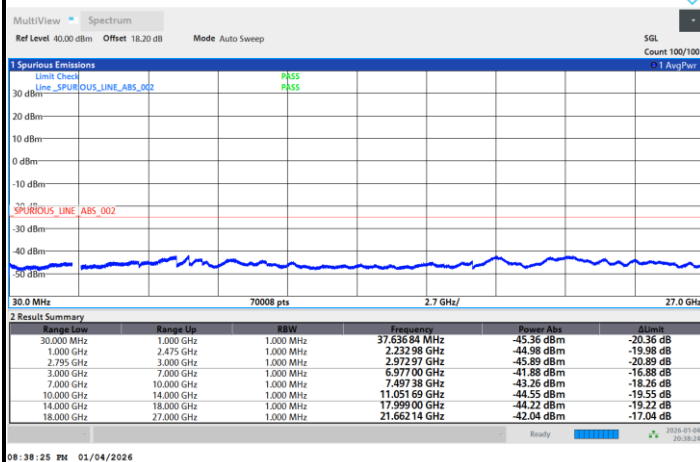
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0005	-1.4	Yes	PASS
40	Normal Voltage	0.0016	4.1	Yes	
30	Normal Voltage	0.0009	2.4	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0017	-4.3	Yes	
0	Normal Voltage	0.0010	2.6	Yes	
-10	Normal Voltage	0.0010	2.5	Yes	
-20	Normal Voltage	0.0005	1.2	Yes	
-30	Normal Voltage	0.0013	-3.5	Yes	
20	Maximum Voltage	0.0027	-7.1	Yes	
20	Normal Voltage	0.0013	3.4	Yes	
20	Minimum Voltage	0.0025	6.6	Yes	

Note:

1. Normal Voltage = 10.8 V. ; Minimum Voltage = 7.5 V. ; Maximum Voltage = 12.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

**FR1 n41****<MIMO Mode>****MIMO <Ant. 2+0> (Ant. 0)****Peak-to-Average Ratio**

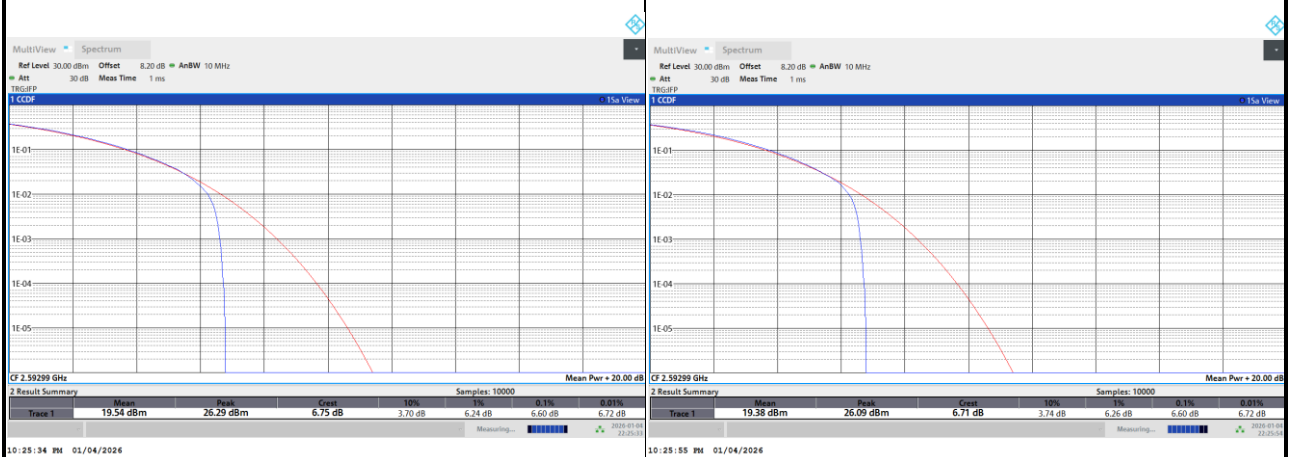
Mode	FR1 n41 / 10MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.60	6.60	7.04	8.40	PASS



FR1 n41 / 10MHz /CP OFDM / Middle Channel / Full RB

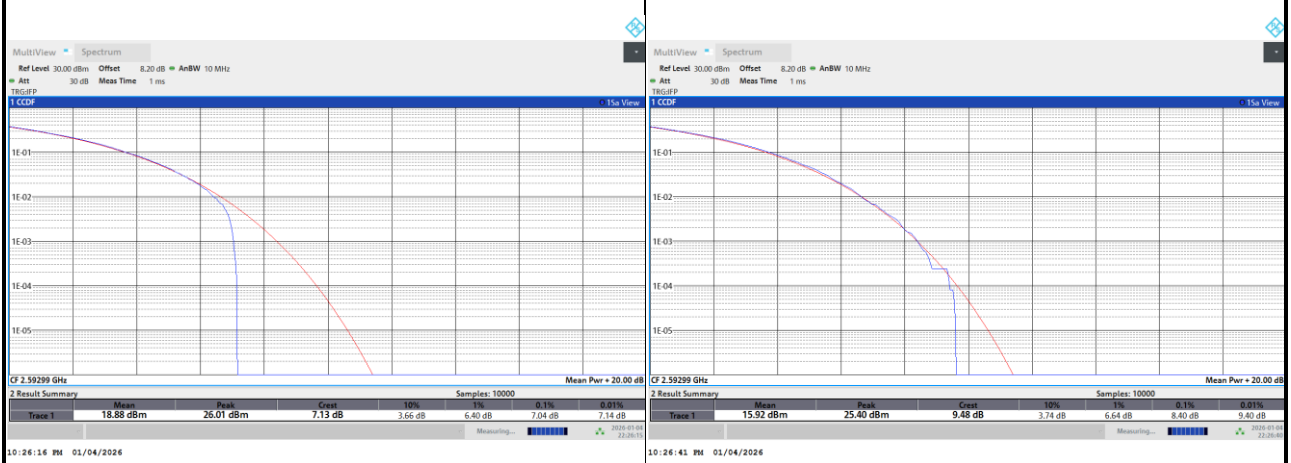
QPSK

16QAM



64QAM

256QAM



**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	10.20	10.16	15.30	15.49				