



FCC RADIO TEST REPORT

FCC ID : PY7-30515Z
Equipment : GSM/WCDMA/LTE/NR Phone with BT, DTS/UNII
a/b/g/n/ac/ax/be, NFC, GNSS and WPT
Brand Name : Sony
Applicant : Sony Corporation
1-7-1 Konan, Minato-ku , Tokyo, Japan 108-0075
Manufacturer : Sony Corporation
1-7-1 Konan, Minato-ku , Tokyo, Japan 108-0075
Standard : FCC 47 CFR Part 2, 22(H), 27

The product was received on Nov. 27, 2025 and testing was performed from Dec. 05, 2025 to Feb. .02, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG5N1805C	01	Initial issue of report	Mar. 12, 2026
FG5N1805C	02	Revise test mode remark This report is an updated version, replacing the report issued on Mar. 12, 2026.	Mar. 19, 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)	Effective Radiated Power (n5)	Pass	
	§27.50 (h)(2)	Equivalent Isotropic Radiated Power (n41)	Pass	
	§27.50 (d)(4) §27.50 (j)(3) §27.50 (k)(3)	Equivalent Isotropic Radiated Power (n66) (n77)		
3.3	§27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Pass	-
3.5	§2.1051 §22.917 (a) §27.53 (h)	Conducted Band Edge Measurement (n5) (n66)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n41)		
	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measurement (n77)	Pass	
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77)	Pass	

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.6	§2.1051 §22.917 (a) §27.53 (h)	Conducted Spurious Emission (n5) (n66)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n41)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77)	Pass	
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77)	Pass	
3.7	§2.1055 §22.355 §27.54	Frequency Stability Temperature & Voltage	Pass	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §27.53 (h)	Radiated Spurious Emission (n5) (n66)	Pass	-
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (n41)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77)	Pass	

Remark: Not required means after assessing, test items are not necessary to carry out.

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: Vina Su

1 General Description

1.1 Product Feature of Equipment Under Test

Product Specification subject to this standard	
General Specs	GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, and BDS/Galileo/GLONASS/GPS/NFC/WPT
Antenna Type	WWAN: LOOP&PIFA Antenna

Support band and evaluated information	
Supported band	n5,n41,n66, n77
Evaluated and Tested band	n5,n41,n66, n77

FDD/TDD band Power Class					
	SISO PC3	SISO PC2	MIMO PC3	MIMO PC2	MIMO PC1.5
N5	✓				
N41	✓				
N66	✓				
N77	✓				

Max Antenna Gain(dBi)										
Band	Ant0	Ant1	Ant 2	Ant 3	Ant 4	Ant 6	Ant 7		Main Ant. #	SRS Ant. #
N5	-2.3								0	-
N41		-1.2	-2	-5.1	-7.4				1	1,2,3,4
N66		-1.5							1	-
N77				-5.8	-8.7	-1.8	-1.6		6	6,7,4,3

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

3. EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.198	MATA28000660	Conducted Measurement ERP/EIRP
	0.198	MATA28000251	Radiated Spurious Emission

Specification of Accessory		
AC Adapter	Brand Name	Sony
	Model Name	XQZ-UC1
Earphone	Brand Name	Sony
	Model Name	MDR-EX15AP
USB Cable	Brand Name	Sony
	Model Name	XQZ-UB1

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	TH05-HY	03CH07-HY
Test Engineer	Eric Wu	Jesse Wang, Stan Hsieh and Ken Wu
Temperature (°C)	21.1~23.1	17.5~24.6
Relative Humidity (%)	39.7~41.7	44.7~65.1

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

FCC Designation No.: 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
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 27
- ♦ 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 N5/N41/N66/N77 SISO Mode

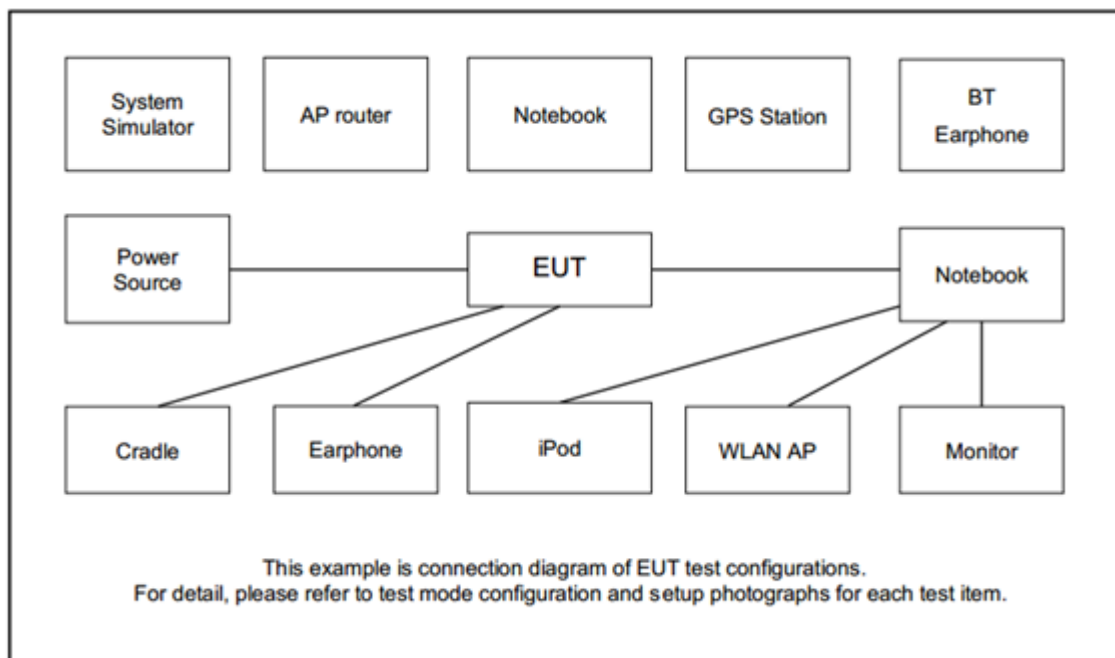
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

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

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. One representative bandwidth is selected to perform PAR& frequency stability.
4. For 5G NR N41support SISO Mode Antenna 1 (Main Ant.) and Antenna 1&2&3&4(SRS Ant.),Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 1, Therefore, the report only performed Antenna 1 test results.
5. For 5G NR N77 support SISO Mode Antenna 6 (Main Ant.) and Antenna 6&7&4&3(SRS Ant.),Radiated Spurious Emission is full test. Conducted test items are verified and the worst case is Antenna 6, Therefore, the report only performed Antenna 6 test results.
6. 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.
7. For 5G NR N66 only support NSA Mode
8. During the preliminary test, both charging modes (Adapter mode and WPT Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.

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.	Base Station	Anritsu	MT8821C	N/A	N/A	N/A
2.	Base Station	Anritsu	8000A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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



2.5 Frequency List of Low/Middle/High Channels

5G NR 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 n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685



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



5G NR Band n77 (Part270) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3965
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



5G NR Band n77 (Part27Q) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

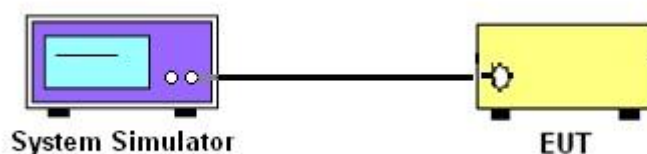
3 Conducted Test Items

3.1 Measuring Instruments

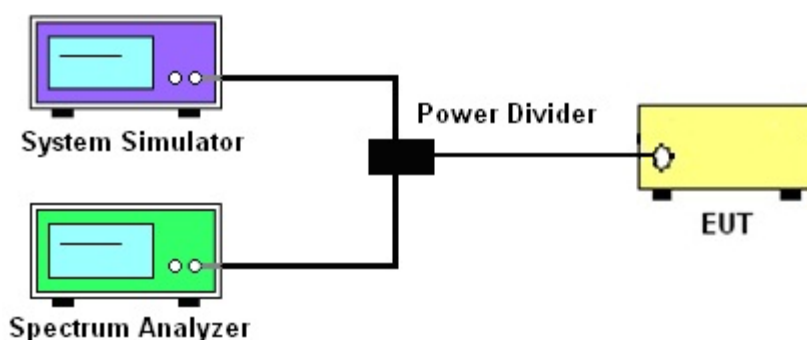
See list of measuring instruments of this test report.

3.1.1 Test Setup

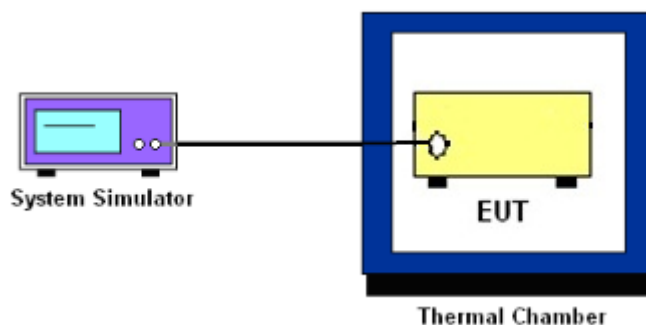
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

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

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n41

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

Note: The smallest unit forming an OFDMA signal is the subcarrier, and each subcarrier carries an equal amount of energy. Different bandwidths vary only in the number of subcarriers they contain. Therefore, for evaluation purposes, the PAPR (Peak-to-Average Power Ratio) is tested and report presents the test results conducted at the specifically bandwidth.

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.

27.53(m)(4)

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

27.53 (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 (l)(2)**

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

27.53 (n)(2)

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



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 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 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)

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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.

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.

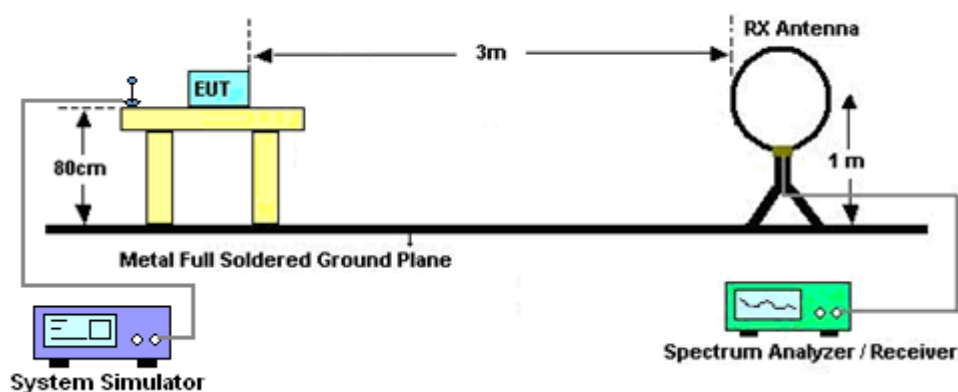
4 Radiated Test Items

4.1 Measuring Instruments

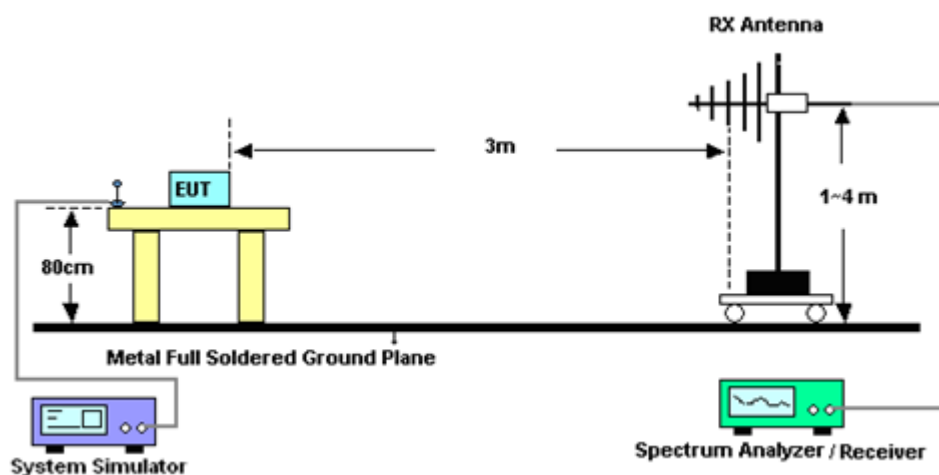
See list of measuring instruments of this test report.

4.1.1 Test Setup

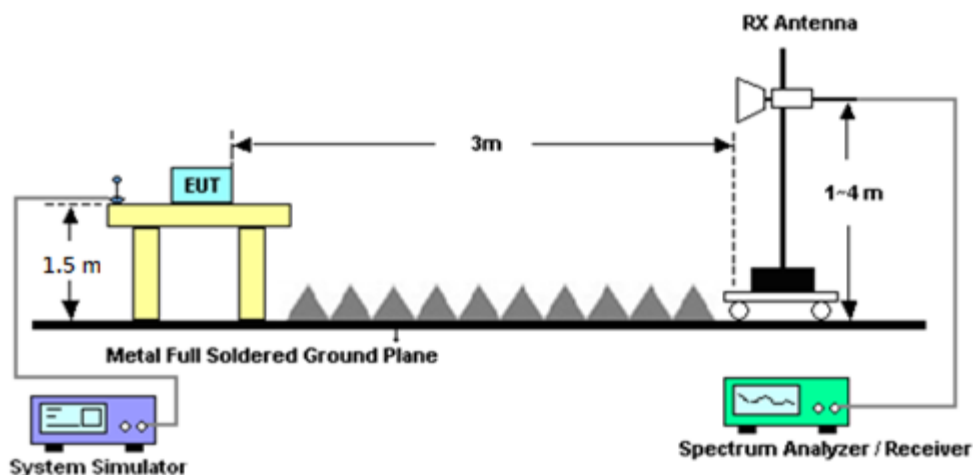
For radiated test below 30MHz



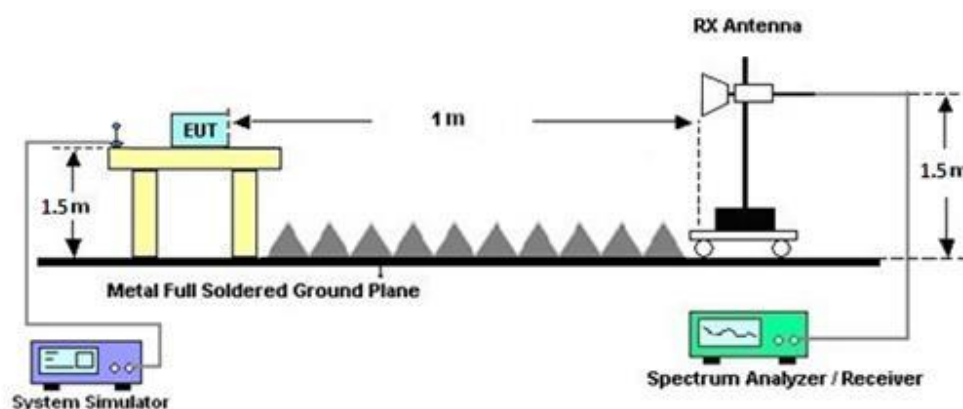
For radiated test from 30MHz to 1GHz



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 / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB

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

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

4.2.2 Test Procedures

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

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
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)

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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
DC Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Feb. 07, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Feb. 06, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Jul. 04, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Jul. 03, 2026	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May. 12, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	May. 11, 2026	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 03, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Mar. 02, 2026	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8821C	6262044657	LTE	May. 23, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	May. 22, 2026	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8000A	6262012917	FR1	Jul. 04, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Jul. 03, 2026	Conducted (TH05-HY)
Coupler	MVE	MVE-4816	A400014	N/A	Mar. 07, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Mar. 06, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Jun. 12, 2026	Conducted (TH05-HY)
RF Cable	MVE	MCBL-LL403P.50	E80002C	9KHz~40GHz	Aug. 01, 2025	Dec. 05, 2025 ~ Jan. 14, 2026	Jul. 31, 2026	Conducted (TH05-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_20231106	N/A	Conducted Test Item	N/A	Dec. 05, 2025 ~ Jan. 14, 2026	N/A	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 21, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Apr. 20, 2026	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 06, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Mar. 05, 2026	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590075	1GHz~18GHz	Apr. 18, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Apr. 17, 2026	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Aug. 08, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Aug. 07, 2026	Radiation (03CH07-HY)
Signal Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 28, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Mar. 27, 2026	Radiation (03CH07-HY)
Double Ridged Guide Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Dec. 09, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Dec. 08, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 20, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Feb. 19, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 20, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Feb. 19, 2026	Radiation (03CH07-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 13, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Sep. 12, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 20, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Feb. 19, 2026	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 23, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Apr. 22, 2026	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Dec. 27, 2025 ~ Feb. 02, 2026	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Dec. 27, 2025 ~ Feb. 02, 2026	N/A	Radiation (03CH07-HY)
Antenna Mast	MF	MF-7802	N/A	Control Turn table	N/A	Dec. 27, 2025 ~ Feb. 02, 2026	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Dec. 27, 2025 ~ Feb. 02, 2026	N/A	Radiation (03CH07-HY)
Software	Audix	E3	RK-002396	N/A	N/A	Dec. 27, 2025 ~ Feb. 02, 2026	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Feb. 24, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	Feb. 23, 2026	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz-40GHz	May. 29, 2025	Dec. 27, 2025 ~ Feb. 02, 2026	May. 28, 2026	Radiation (03CH07-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and ERP/EIRP)

NR n5 Maximum Average Power [dBm] (GT - LC = -2.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
5	1	1	PI/2 BPSK	17.36	17.39	17.48	13.03	0.0201		
5	1	23		17.41	17.39	17.28				
5	12	6		17.29	17.23	17.31				
5	1	0		17.26	17.23	17.33				
5	1	24		17.28	17.33	17.21				
5	25	0		17.33	17.27	17.40				
5	1	1	QPSK	17.33	17.24	17.37				
5	1	23		17.27	17.36	17.28				
5	12	6		17.21	17.19	17.33				
5	1	0		17.24	17.16	17.34				
5	1	24		17.18	17.26	17.21				
5	25	0		17.26	17.28	17.33				
5	1	1	16-QAM	17.19	17.20	17.22	12.91	0.0195		
5	1	1	64-QAM	17.32	17.31	17.36				
5	1	1	256-QAM	16.73	16.75	16.81				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = -2.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
10	1	1	PI/2 BPSK	17.22	17.16	17.25	12.97	0.0198		
10	1	50		17.29	17.38	17.27				
10	25	12		17.26	17.30	17.29				
10	1	0		17.12	17.17	17.16				
10	1	51		17.19	17.17	17.13				
10	50	0		17.32	17.24	17.42				
10	1	1	QPSK	17.18	17.34	17.19				
10	1	50		17.26	17.25	17.33				
10	25	12		17.26	17.13	17.15				
10	1	0		17.08	17.21	17.19				
10	1	51		17.22	17.16	17.24				
10	50	0		17.31	17.27	17.28				
10	1	1	16-QAM	17.04	17.04	17.12	12.94	0.0197		
10	1	1	64-QAM	17.30	17.28	17.39				
10	1	1	256-QAM	16.60	16.61	16.60				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = -2.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	17.20	17.42	17.41	12.97	0.0198		
15	1	77		17.30	17.22	17.38				
15	36	18		17.37	17.38	17.30				
15	1	0		17.25	17.24	17.25				
15	1	78		17.28	17.21	17.17				
15	75	0		17.23	17.36	17.20				
15	1	1	QPSK	17.26	17.25	17.30				
15	1	77		17.25	17.27	17.32				
15	36	18		17.31	17.36	17.32				
15	1	0		17.21	17.23	17.30				
15	1	78		17.22	17.25	17.29				
15	75	0		17.29	17.29	17.27				
15	1	1	16-QAM	17.09	17.09	17.08	12.99	0.0199		
15	1	1	64-QAM	17.34	17.36	17.44				
15	1	1	256-QAM	16.70	16.70	16.73				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = -2.3 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	17.24	17.36	17.28	13.02	0.0200		
20	1	104		17.40	17.36	17.35				
20	50	25		17.47	17.42	17.33				
20	1	0		17.02	17.24	17.21				
20	1	105		17.26	17.27	17.20				
20	100	0		17.29	17.36	17.24				
20	1	1	QPSK	17.26	17.31	17.28				
20	1	104		17.24	17.35	17.34				
20	50	25		17.29	17.34	17.22				
20	1	0		17.10	17.30	17.26				
20	1	105		17.16	17.29	17.15				
20	100	0		17.35	17.29	17.28				
20	1	1	16-QAM	17.14	17.13	17.06	12.89	0.0195		
20	1	1	64-QAM	17.31	17.34	17.27				
20	1	1	256-QAM	16.56	16.68	16.72				
Limit	ERP < 7W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	21.28	21.02	21.02	20.08	0.1019		
10	1	22		21.23	21.12	21.05				
10	12	6		21.21	21.08	21.02				
10	1	0		21.09	20.95	20.93				
10	1	23		21.18	20.93	20.90				
10	24	0		21.25	21.08	21.11				
10	1	1	QPSK	21.23	21.07	20.98				
10	1	22		21.28	21.07	21.02				
10	12	6		21.11	21.02	21.01				
10	1	0		21.11	20.92	20.80				
10	1	23		21.16	20.96	20.89				
10	24	0		21.20	21.10	21.00				
10	1	1	16-QAM	21.34	21.16	21.09	20.14	0.1033		
10	1	1	64-QAM	21.10	21.05	20.89				
10	1	1	256-QAM	20.99	20.77	20.82				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	21.16	20.97	20.89	20.21	0.1050		
20	1	49		21.15	21.09	20.93				
20	25	12		21.41	21.28	21.10				
20	1	0		21.02	20.90	20.78				
20	1	50		21.05	20.95	20.80				
20	50	0		21.32	21.14	20.96				
20	1	1	QPSK	21.08	21.00	20.86				
20	1	49		21.11	21.04	20.94				
20	25	12		21.27	21.20	20.96				
20	1	0		21.01	20.87	20.80				
20	1	50		21.01	20.93	20.85				
20	50	0		21.23	21.16	21.01				
20	1	1	16-QAM	21.14	21.00	20.97	19.94	0.0986		
20	1	1	64-QAM	21.05	20.92	20.86				
20	1	1	256-QAM	20.79	20.61	20.67				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	21.21	21.10	20.96	20.11	0.1026		
30	1	76		21.21	21.22	21.01				
30	36	18		21.31	21.22	21.10				
30	1	0		21.08	20.86	20.85				
30	1	77		21.12	21.07	20.89				
30	75	0		21.20	21.16	20.98				
30	1	1	QPSK	21.23	21.06	20.97				
30	1	76		21.22	21.13	20.97				
30	36	18		21.22	21.13	21.01				
30	1	0		21.16	20.98	20.90				
30	1	77		21.14	21.11	20.87				
30	75	0		21.22	21.17	20.98				
30	1	1	16-QAM	21.31	21.19	21.09	20.11	0.1026		
30	1	1	64-QAM	21.13	21.08	20.88				
30	1	1	256-QAM	20.90	20.82	20.71				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	21.12	20.87	20.86	20.13	0.1030		
40	1	104		21.02	21.14	20.95				
40	50	25		21.33	21.29	21.14				
40	1	0		20.96	20.72	20.79				
40	1	105		20.84	21.08	20.86				
40	100	0		21.15	21.07	21.02				
40	1	1	QPSK	21.07	20.85	20.80				
40	1	104		20.98	21.08	20.96				
40	50	25		21.21	21.19	21.07				
40	1	0		20.96	20.77	20.78				
40	1	105		20.90	21.05	20.88				
40	100	0		21.21	21.09	21.00				
40	1	1	16-QAM	21.10	20.91	20.90	19.90	0.0977		
40	1	1	64-QAM	21.03	20.86	20.84				
40	1	1	256-QAM	20.73	20.61	20.61				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	21.29	21.04	20.97	20.21	0.1050		
50	1	131		21.29	21.35	21.13				
50	64	32		21.41	21.37	21.31				
50	1	0		21.23	20.96	20.87				
50	1	132		21.19	21.26	21.02				
50	128	0		21.24	21.16	21.17				
50	1	1	QPSK	21.22	21.00	20.97				
50	1	131		21.13	21.35	21.08				
50	64	32		21.35	21.28	21.22				
50	1	0		21.16	20.93	20.92				
50	1	132		21.08	21.31	21.00				
50	128	0		21.24	21.24	21.18				
50	1	1	16-QAM	21.30	21.06	21.07	20.10	0.1023		
50	1	1	64-QAM	21.22	21.03	20.96				
50	1	1	256-QAM	20.99	20.79	20.67				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	21.01	20.75	20.81	19.99	0.0998		
60	1	160		21.06	21.19	20.99				
60	81	40		21.07	21.00	20.99				
60	1	0		20.95	20.69	20.71				
60	1	161		20.98	21.09	20.90				
60	162	0		21.11	21.02	20.98				
60	1	1	QPSK	20.98	20.80	20.84				
60	1	160		20.99	21.03	21.00				
60	81	40		20.98	20.92	20.91				
60	1	0		20.96	20.63	20.73				
60	1	161		20.91	21.08	20.93				
60	162	0		21.05	21.03	20.99				
60	1	1	16-QAM	21.14	20.70	20.84	19.94	0.0986		
60	1	1	64-QAM	20.92	20.72	20.81				
60	1	1	256-QAM	20.70	20.51	20.46				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	20.99	20.76	20.91	20.06	0.1014		
70	1	187		21.06	21.22	21.26				
70	90	45		21.23	21.17	21.23				
70	1	0		21.02	20.66	20.81				
70	1	188		21.02	21.20	21.11				
70	180	0		21.17	21.08	21.12				
70	1	1	QPSK	21.03	20.76	20.89				
70	1	187		21.08	21.18	21.23				
70	90	45		21.17	21.05	21.14				
70	1	0		20.95	20.64	20.77				
70	1	188		20.94	21.13	21.15				
70	180	0		21.14	21.05	21.09				
70	1	1	16-QAM	21.13	20.81	20.90	19.93	0.0984		
70	1	1	64-QAM	20.93	20.71	20.86				
70	1	1	256-QAM	20.70	20.45	20.53				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	21.16	20.83	20.88	20.09	0.1021		
80	1	215		21.15	21.27	21.29				
80	108	54		21.19	21.21	21.21				
80	1	0		21.06	20.71	20.88				
80	1	216		21.11	21.16	21.15				
80	216	0		21.08	20.96	21.10				
80	1	1	QPSK	21.15	20.79	20.81				
80	1	215		21.23	21.22	21.22				
80	108	54		21.07	21.11	21.13				
80	1	0		21.12	20.69	20.84				
80	1	216		21.17	21.12	21.17				
80	216	0		21.14	21.09	21.09				
80	1	1	16-QAM	21.26	20.87	20.87	20.06	0.1014		
80	1	1	64-QAM	21.07	20.76	20.80				
80	1	1	256-QAM	20.85	20.47	20.58				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	21.12	20.85	20.96	20.23	0.1054		
90	1	243		21.31	21.27	21.27				
90	120	60		21.14	21.18	21.18				
90	1	0		21.18	20.92	20.89				
90	1	244		21.32	21.30	21.26				
90	243	0		21.13	21.10	21.12				
90	1	1	QPSK	21.16	20.83	20.86				
90	1	243		21.22	21.36	21.24				
90	120	60		21.03	21.03	21.04				
90	1	0		21.22	20.86	20.90				
90	1	244		21.33	21.43	21.25				
90	243	0		21.07	21.08	21.10				
90	1	1	16-QAM	21.22	20.97	20.93	20.02	0.1005		
90	1	1	64-QAM	21.06	20.89	20.85				
90	1	1	256-QAM	20.94	20.60	20.65				
Limit	EIRP < 2W			Result			Pass			

NR n41 PC3 Maximum Average Power [dBm] (GT - LC = -1.2 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	21.22	20.84	20.97	20.28	0.1067		
100	1	271		21.46	21.39	21.44				
100	135	67		21.03	21.08	21.09				
100	1	0		21.20	20.81	20.86				
100	1	272		21.39	21.42	21.32				
100	270	0		21.22	21.03	21.03				
100	1	1	QPSK	21.26	20.88	20.91				
100	1	271		21.48	21.45	21.37				
100	135	67		20.98	21.00	21.01				
100	1	0		21.14	20.84	20.82				
100	1	272		21.41	21.44	21.27				
100	270	0		21.24	21.15	21.17				
100	1	1	16-QAM	21.27	21.00	21.04	20.07	0.1016		
100	1	1	64-QAM	21.19	20.88	20.91				
100	1	1	256-QAM	20.93	20.59	20.60				
Limit	EIRP < 2W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	14.79	14.92	14.71	13.77	0.0238		
5	1	23		14.72	14.93	15.11				
5	12	6		14.75	15.27	14.89				
5	1	0		14.74	15.19	15.04				
5	1	24		14.78	14.93	14.66				
5	25	0		15.14	14.94	15.15				
5	1	1	QPSK	14.74	14.83	14.66				
5	1	23		14.69	14.87	14.89				
5	12	6		14.66	15.24	14.84				
5	1	0		14.70	15.12	14.92				
5	1	24		14.69	14.88	14.63				
5	25	0		15.11	14.89	15.09				
5	1	1	16-QAM	14.72	14.76	14.75	13.26	0.0212		
5	1	1	64-QAM	14.67	14.71	14.72				
5	1	1	256-QAM	14.63	14.66	14.58				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	14.92	14.99	14.82	13.49	0.0223		
10	1	50		14.79	14.88	14.83				
10	25	12		14.69	14.72	14.74				
10	1	0		14.68	14.71	14.73				
10	1	51		14.64	14.66	14.62				
10	50	0		14.79	14.84	14.82				
10	1	1	QPSK	14.81	14.85	14.74				
10	1	50		14.71	14.75	14.77				
10	25	12		14.67	14.70	14.69				
10	1	0		14.63	14.66	14.67				
10	1	51		14.63	14.61	14.58				
10	50	0		14.79	14.78	14.76				
10	1	1	16-QAM	14.74	14.77	14.69	13.27	0.0212		
10	1	1	64-QAM	14.66	14.73	14.64				
10	1	1	256-QAM	14.63	14.68	14.57				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
15	1	1	PI/2 BPSK	14.84	14.93	14.88	13.72	0.0236		
15	1	77		14.74	14.74	14.72				
15	36	18		14.71	14.74	14.73				
15	1	0		14.82	14.85	14.83				
15	1	78		14.78	14.83	14.81				
15	75	0		15.18	15.20	15.22				
15	1	1	QPSK	14.77	14.88	14.82				
15	1	77		14.71	14.72	14.69				
15	36	18		14.68	14.68	14.66				
15	1	0		14.82	14.82	14.79				
15	1	78		14.73	14.79	14.75				
15	75	0		15.08	15.16	15.12				
15	1	1	16-QAM	14.72	14.67	14.73	13.23	0.0210		
15	1	1	64-QAM	14.60	14.63	14.62				
15	1	1	256-QAM	14.54	14.58	14.56				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	14.86	14.89	14.82	13.63	0.0231		
20	1	104		14.86	15.13	14.87				
20	50	25		15.08	14.94	14.92				
20	1	0		14.81	14.82	14.86				
20	1	105		14.85	14.83	14.84				
20	100	0		14.84	14.82	14.93				
20	1	1	QPSK	14.81	14.85	14.79				
20	1	104		14.82	15.01	14.87				
20	50	25		15.04	14.89	14.82				
20	1	0		14.74	14.81	14.86				
20	1	105		14.81	14.73	14.77				
20	100	0		14.84	14.85	14.80				
20	1	1	16-QAM	14.78	14.71	14.68	13.28	0.0213		
20	1	1	64-QAM	14.72	14.66	14.63				
20	1	1	256-QAM	14.60	14.58	14.56				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
25	1	1	PI/2 BPSK	15.18	15.04	15.23	13.73	0.0236		
25	1	131		14.82	15.22	14.85				
25	64	32		15.16	14.97	14.89				
25	1	0		14.83	14.84	14.82				
25	1	132		14.90	14.79	14.81				
25	128	0		14.88	14.87	14.94				
25	1	1	QPSK	14.93	14.98	15.04				
25	1	131		14.82	15.05	14.86				
25	64	32		15.09	14.87	14.84				
25	1	0		14.72	14.83	14.85				
25	1	132		14.84	14.75	14.72				
25	128	0		14.86	14.87	14.83				
25	1	1	16-QAM	14.81	14.76	14.68	13.31	0.0214		
25	1	1	64-QAM	14.67	14.73	14.62				
25	1	1	256-QAM	14.60	14.62	14.56				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	14.77	14.86	14.91	13.72	0.0236		
30	1	158		14.88	15.22	14.87				
30	80	40		15.16	14.97	14.88				
30	1	0		14.83	14.89	14.86				
30	1	159		14.93	14.79	14.77				
30	160	0		14.92	14.93	14.91				
30	1	1	QPSK	14.72	14.81	14.88				
30	1	158		14.83	15.17	14.81				
30	80	40		15.04	14.92	14.83				
30	1	0		14.78	14.83	14.82				
30	1	159		14.88	14.76	14.69				
30	160	0		14.85	14.88	14.83				
30	1	1	16-QAM	14.77	14.79	14.74	13.29	0.0213		
30	1	1	64-QAM	14.71	14.73	14.68				
30	1	1	256-QAM	14.66	14.61	14.64				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	15.22	14.95	14.77	13.78	0.0239		
40	1	214		14.87	14.89	15.16				
40	108	54		15.22	15.12	15.26				
40	1	0		14.76	14.87	14.84				
40	1	215		14.74	15.22	14.73				
40	216	0		15.28	15.06	14.82				
40	1	1	QPSK	15.13	14.92	14.73				
40	1	214		14.82	14.82	15.11				
40	108	54		15.13	14.96	15.14				
40	1	0		14.73	14.82	14.75				
40	1	215		14.71	15.12	14.66				
40	216	0		15.18	14.99	14.76				
40	1	1	16-QAM	14.94	14.88	14.68	13.44	0.0221		
40	1	1	64-QAM	14.87	14.63	14.63				
40	1	1	256-QAM	14.81	14.54	14.59				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	15.96	15.71	15.78	14.42	0.0277		
10	1	22		15.98	15.73	15.74				
10	12	6		15.97	15.70	15.77				
10	1	0		15.76	15.55	15.65				
10	1	23		15.83	15.57	15.61				
10	24	0		16.02	15.77	15.80				
10	1	1	QPSK	15.85	15.70	15.68				
10	1	22		16.01	15.70	15.82				
10	12	6		15.79	15.62	15.71				
10	1	0		15.83	15.55	15.62				
10	1	23		15.88	15.57	15.65				
10	24	0		15.85	15.69	15.79				
10	1	1	16-QAM	15.88	15.80	15.87	14.28	0.0268		
10	1	1	64-QAM	15.88	15.70	15.70				
10	1	1	256-QAM	15.67	15.43	15.44				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	15.80	15.68	15.70	14.45	0.0279		
20	1	49		15.90	15.53	15.69				
20	25	12		16.05	15.78	15.86				
20	1	0		15.68	15.53	15.57				
20	1	50		15.76	15.38	15.58				
20	50	0		15.89	15.70	15.68				
20	1	1	QPSK	15.77	15.62	15.65				
20	1	49		15.82	15.51	15.65				
20	25	12		15.91	15.73	15.75				
20	1	0		15.69	15.52	15.61				
20	1	50		15.74	15.38	15.56				
20	50	0		15.90	15.69	15.75				
20	1	1	16-QAM	15.92	15.77	15.70	14.32	0.0270		
20	1	1	64-QAM	15.75	15.62	15.63				
20	1	1	256-QAM	15.47	15.40	15.41				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	15.91	15.85	15.64	14.58	0.0287		
30	1	76		15.94	15.64	15.69				
30	36	18		16.18	15.88	15.82				
30	1	0		15.89	15.78	15.57				
30	1	77		15.84	15.57	15.60				
30	75	0		15.99	15.77	15.70				
30	1	1	QPSK	15.93	15.79	15.60				
30	1	76		15.92	15.56	15.67				
30	36	18		16.05	15.79	15.70				
30	1	0		15.85	15.72	15.52				
30	1	77		15.75	15.45	15.55				
30	75	0		16.00	15.75	15.67				
30	1	1	16-QAM	16.00	15.85	15.62	14.40	0.0275		
30	1	1	64-QAM	15.85	15.86	15.53				
30	1	1	256-QAM	15.58	15.55	15.35				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	15.96	15.69	15.50	14.41	0.0276		
40	1	104		15.85	15.51	15.56				
40	50	25		16.01	15.91	15.82				
40	1	0		15.76	15.57	15.44				
40	1	105		15.68	15.43	15.50				
40	100	0		15.92	15.78	15.62				
40	1	1	QPSK	15.90	15.55	15.48				
40	1	104		15.82	15.51	15.57				
40	50	25		15.93	15.81	15.73				
40	1	0		15.65	15.46	15.36				
40	1	105		15.78	15.44	15.49				
40	100	0		15.90	15.72	15.68				
40	1	1	16-QAM	15.93	15.64	15.49	14.33	0.0271		
40	1	1	64-QAM	15.71	15.58	15.43				
40	1	1	256-QAM	15.55	15.46	15.20				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	15.98	15.85	15.59	14.59	0.0288		
50	1	131		15.91	15.67	15.70				
50	64	32		16.14	16.00	15.94				
50	1	0		15.88	15.79	15.51				
50	1	132		15.82	15.58	15.59				
50	128	0		16.06	15.84	15.80				
50	1	1	QPSK	15.94	15.80	15.56				
50	1	131		15.86	15.52	15.64				
50	64	32		16.19	15.88	15.84				
50	1	0		15.84	15.73	15.55				
50	1	132		15.78	15.63	15.60				
50	128	0		15.99	15.80	15.80				
50	1	1	16-QAM	16.06	15.73	15.65	14.46	0.0279		
50	1	1	64-QAM	15.89	15.74	15.54				
50	1	1	256-QAM	15.62	15.52	15.33				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	15.74	15.56	15.55	14.17	0.0261		
60	1	160		15.70	15.41	15.47				
60	81	40		15.77	15.56	15.57				
60	1	0		15.66	15.58	15.52				
60	1	161		15.59	15.36	15.44				
60	162	0		15.72	15.61	15.57				
60	1	1	QPSK	15.70	15.55	15.54				
60	1	160		15.65	15.41	15.44				
60	81	40		15.61	15.48	15.46				
60	1	0		15.66	15.49	15.50				
60	1	161		15.47	15.32	15.38				
60	162	0		15.70	15.56	15.55				
60	1	1	16-QAM	15.80	15.65	15.66	14.20	0.0263		
60	1	1	64-QAM	15.69	15.54	15.38				
60	1	1	256-QAM	15.44	15.26	15.29				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	15.85	15.67	15.66	14.36	0.0273		
70	1	187		15.86	15.51	15.70				
70	90	45		15.91	15.77	15.82				
70	1	0		15.76	15.53	15.54				
70	1	188		15.74	15.49	15.59				
70	180	0		15.96	15.69	15.70				
70	1	1	QPSK	15.75	15.59	15.65				
70	1	187		15.83	15.52	15.56				
70	90	45		15.91	15.70	15.71				
70	1	0		15.70	15.51	15.44				
70	1	188		15.69	15.45	15.52				
70	180	0		15.80	15.63	15.70				
70	1	1	16-QAM	15.90	15.68	15.69	14.30	0.0269		
70	1	1	64-QAM	15.73	15.60	15.70				
70	1	1	256-QAM	15.40	15.33	15.35				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	15.90	15.74	15.68	14.33	0.0271		
80	1	215		15.81	15.55	15.62				
80	108	54		15.93	15.82	15.81				
80	1	0		15.87	15.58	15.59				
80	1	216		15.76	15.45	15.44				
80	216	0		15.75	15.68	15.67				
80	1	1	QPSK	15.87	15.67	15.67				
80	1	215		15.82	15.63	15.60				
80	108	54		15.80	15.70	15.68				
80	1	0		15.75	15.55	15.55				
80	1	216		15.68	15.47	15.43				
80	216	0		15.82	15.66	15.68				
80	1	1	16-QAM	15.97	15.78	15.70	14.37	0.0274		
80	1	1	64-QAM	15.76	15.62	15.58				
80	1	1	256-QAM	15.58	15.42	15.40				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	15.93	15.74	15.76	14.37	0.0274		
90	1	243		15.88	15.63	15.64				
90	120	60		15.93	15.70	15.74				
90	1	0		15.95	15.83	15.77				
90	1	244		15.88	15.68	15.64				
90	243	0		15.83	15.70	15.64				
90	1	1	QPSK	15.96	15.73	15.70				
90	1	243		15.89	15.55	15.58				
90	120	60		15.80	15.64	15.63				
90	1	0		15.97	15.74	15.70				
90	1	244		15.88	15.57	15.57				
90	243	0		15.78	15.64	15.59				
90	1	1	16-QAM	15.97	15.86	15.78	14.37	0.0274		
90	1	1	64-QAM	15.93	15.70	15.68				
90	1	1	256-QAM	15.69	15.50	15.46				
Limit	EIRP < 1W			Result			Pass			

Part 270 NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	15.98	15.86	15.79	14.38	0.0274		
100	1	271		15.85	15.68	15.64				
100	135	67		15.78	15.67	15.71				
100	1	0		15.87	15.70	15.74				
100	1	272		15.82	15.66	15.56				
100	270	0		15.87	15.59	15.75				
100	1	1	QPSK	15.93	15.81	15.85				
100	1	271		15.88	15.71	15.70				
100	135	67		15.70	15.54	15.58				
100	1	0		15.86	15.76	15.74				
100	1	272		15.74	15.61	15.63				
100	270	0		15.81	15.65	15.69				
100	1	1	16-QAM	16.07	15.95	15.84	14.47	0.0280		
100	1	1	64-QAM	15.88	15.77	15.77				
100	1	1	256-QAM	15.78	15.49	15.57				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	15.79	15.98	15.99	14.39	0.0275		
10	1	22		15.76	15.86	15.88				
10	12	6		15.83	15.92	15.96				
10	1	0		15.77	15.78	15.93				
10	1	23		15.65	15.79	15.79				
10	24	0		15.81	15.93	15.96				
10	1	1	QPSK	15.88	15.95	15.94				
10	1	22		15.83	15.88	15.92				
10	12	6		15.68	15.87	15.91				
10	1	0		15.71	15.77	15.90				
10	1	23		15.61	15.80	15.83				
10	24	0		15.85	15.90	15.99				
10	1	1	16-QAM	15.91	15.92	16.04	14.44	0.0278		
10	1	1	64-QAM	15.82	15.87	15.92				
10	1	1	256-QAM	15.51	15.73	15.73				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	15.69	15.98	16.02	14.47	0.0280		
20	1	49		15.65	15.87	15.86				
20	25	12		15.80	16.07	16.07				
20	1	0		15.75	15.90	15.95				
20	1	50		15.60	15.63	15.78				
20	50	0		15.78	15.97	16.05				
20	1	1	QPSK	15.71	15.92	15.94				
20	1	49		15.72	15.80	15.88				
20	25	12		15.79	15.92	15.89				
20	1	0		15.76	15.84	15.97				
20	1	50		15.63	15.75	15.75				
20	50	0		15.78	15.86	15.94				
20	1	1	16-QAM	15.91	16.01	16.11	14.51	0.0282		
20	1	1	64-QAM	15.70	15.91	15.86				
20	1	1	256-QAM	15.47	15.71	15.62				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	16.05	16.12	16.18	14.68	0.0294		
30	1	76		15.88	15.96	15.99				
30	36	18		16.02	16.20	16.28				
30	1	0		15.89	16.11	16.07				
30	1	77		15.80	15.86	15.85				
30	75	0		15.91	16.00	16.09				
30	1	1	QPSK	15.85	16.13	16.15				
30	1	76		15.87	15.97	15.94				
30	36	18		15.90	16.05	15.99				
30	1	0		15.85	15.99	16.01				
30	1	77		15.74	15.69	15.79				
30	75	0		15.91	16.09	16.16				
30	1	1	16-QAM	16.03	16.22	16.24	14.64	0.0291		
30	1	1	64-QAM	15.84	16.05	16.04				
30	1	1	256-QAM	15.68	15.83	15.85				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	15.98	16.08	15.99	14.65	0.0292		
40	1	104		15.86	15.72	15.90				
40	50	25		16.04	16.15	16.25				
40	1	0		15.86	15.96	15.96				
40	1	105		15.74	15.78	15.79				
40	100	0		16.02	16.05	16.05				
40	1	1	QPSK	15.95	16.05	16.01				
40	1	104		15.76	15.85	15.87				
40	50	25		15.95	16.01	16.09				
40	1	0		15.86	16.00	15.93				
40	1	105		15.71	15.81	15.74				
40	100	0		15.94	16.03	15.98				
40	1	1	16-QAM	16.07	16.13	16.10	14.53	0.0284		
40	1	1	64-QAM	15.80	16.03	15.96				
40	1	1	256-QAM	15.60	15.78	15.73				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	16.08	16.18	16.16	14.65	0.0292		
50	1	131		15.99	16.03	16.03				
50	64	32		16.21	16.25	16.24				
50	1	0		16.08	16.20	16.10				
50	1	132		15.90	15.98	15.90				
50	128	0		16.05	16.14	16.12				
50	1	1	QPSK	16.09	16.15	16.19				
50	1	131		15.97	16.03	16.01				
50	64	32		16.15	16.24	16.16				
50	1	0		16.02	16.08	16.10				
50	1	132		15.77	15.95	15.89				
50	128	0		16.07	16.15	16.09				
50	1	1	16-QAM	16.23	16.27	16.27	14.67	0.0293		
50	1	1	64-QAM	16.08	16.17	16.20				
50	1	1	256-QAM	15.84	15.94	15.94				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	15.94	16.00	16.12	14.52	0.0283		
60	1	160		15.75	15.75	15.84				
60	81	40		15.87	15.91	15.83				
60	1	0		15.83	15.95	16.02				
60	1	161		15.62	15.82	15.74				
60	162	0		15.78	15.97	16.03				
60	1	1	QPSK	15.88	15.92	16.04				
60	1	160		15.71	15.75	15.78				
60	81	40		15.81	15.81	15.78				
60	1	0		15.73	15.90	15.95				
60	1	161		15.67	15.63	15.71				
60	162	0		15.88	15.89	15.85				
60	1	1	16-QAM	15.93	16.04	16.12	14.52	0.0283		
60	1	1	64-QAM	15.81	15.91	15.99				
60	1	1	256-QAM	15.64	15.71	15.77				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	16.12	16.16	16.16	14.56	0.0286		
70	1	187		15.81	15.84	15.86				
70	90	45		16.07	16.11	16.11				
70	1	0		16.00	15.94	15.99				
70	1	188		15.71	15.71	15.73				
70	180	0		15.95	16.05	15.98				
70	1	1	QPSK	15.98	16.03	16.12				
70	1	187		15.70	15.79	15.78				
70	90	45		16.01	16.01	16.09				
70	1	0		15.99	15.92	16.04				
70	1	188		15.74	15.73	15.73				
70	180	0		15.99	16.04	16.06				
70	1	1	16-QAM	16.16	16.22	16.27	14.67	0.0293		
70	1	1	64-QAM	15.90	16.06	16.10				
70	1	1	256-QAM	15.84	15.89	15.89				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	16.11	16.13	16.21	14.61	0.0289		
80	1	215		15.86	15.90	15.86				
80	108	54		16.14	16.14	16.13				
80	1	0		16.11	16.16	16.18				
80	1	216		15.74	15.78	15.80				
80	216	0		16.00	16.01	16.00				
80	1	1	QPSK	16.03	16.09	16.14				
80	1	215		15.81	15.82	15.81				
80	108	54		16.08	16.02	16.00				
80	1	0		15.98	16.03	16.07				
80	1	216		15.73	15.82	15.76				
80	216	0		16.00	16.00	16.00				
80	1	1	16-QAM	16.23	16.19	16.28	14.68	0.0294		
80	1	1	64-QAM	16.00	16.00	16.08				
80	1	1	256-QAM	15.82	15.83	15.89				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	16.15	16.15	16.21	14.69	0.0294		
90	1	243		15.90	15.92	15.89				
90	120	60		16.08	16.10	16.09				
90	1	0		16.14	16.19	16.24				
90	1	244		15.84	15.93	15.91				
90	243	0		16.03	16.06	15.91				
90	1	1	QPSK	16.08	16.09	16.29				
90	1	243		15.84	15.86	15.90				
90	120	60		15.96	15.99	16.02				
90	1	0		16.15	16.14	16.16				
90	1	244		15.83	15.93	15.90				
90	243	0		16.01	15.92	16.02				
90	1	1	16-QAM	16.19	16.19	16.27	14.67	0.0293		
90	1	1	64-QAM	16.05	16.09	16.11				
90	1	1	256-QAM	15.91	15.90	15.89				
Limit	EIRP < 1W			Result			Pass			

Part 27Q NR n77 PC3 Maximum Average Power [dBm] (GT - LC = -1.6 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	-	16.38	-	14.78	0.0301		
100	1	271		-	15.87	-				
100	135	67		-	15.95	-				
100	1	0		-	16.18	-				
100	1	272		-	15.77	-				
100	270	0		-	16.06	-				
100	1	1	QPSK	-	16.28	-				
100	1	271		-	15.94	-				
100	135	67		-	15.94	-				
100	1	0		-	16.15	-				
100	1	272		-	15.85	-				
100	270	0		-	16.01	-				
100	1	1	16-QAM	-	16.31	-	14.71	0.0296		
100	1	1	64-QAM	-	16.21	-				
100	1	1	256-QAM	-	15.85	-				
Limit	EIRP < 1W			Result			Pass			

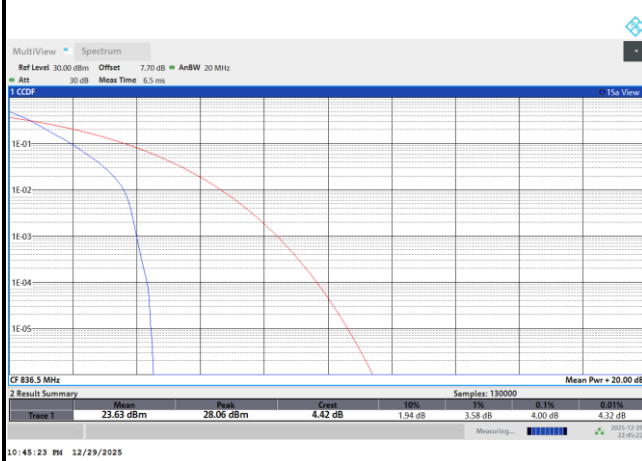
**FR1 n5****<SISO Mode>****Peak-to-Average Ratio**

Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.00	4.60	5.50	5.88	PASS
Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.78				PASS

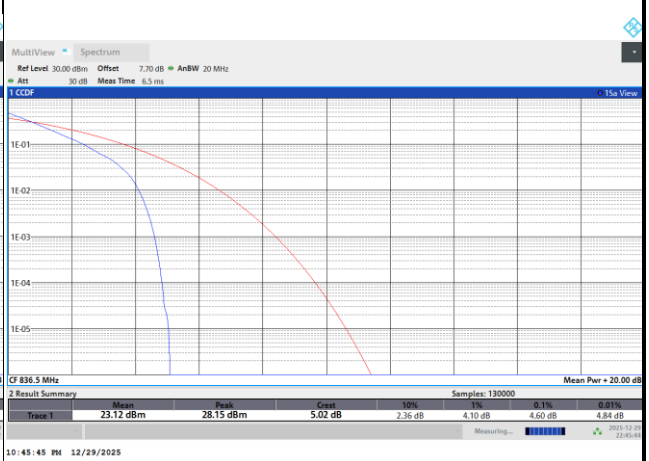


FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

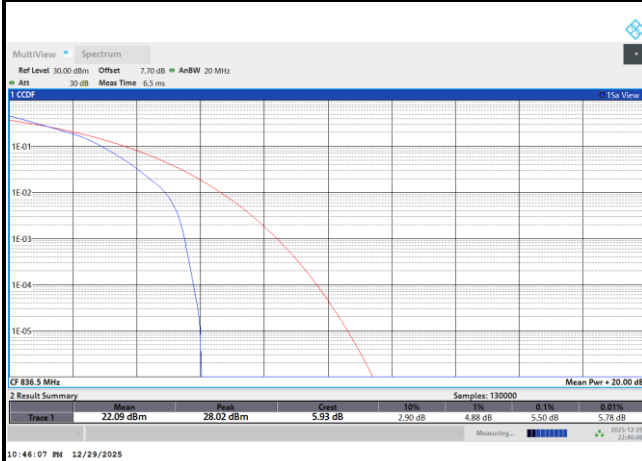
PI/2 BPSK



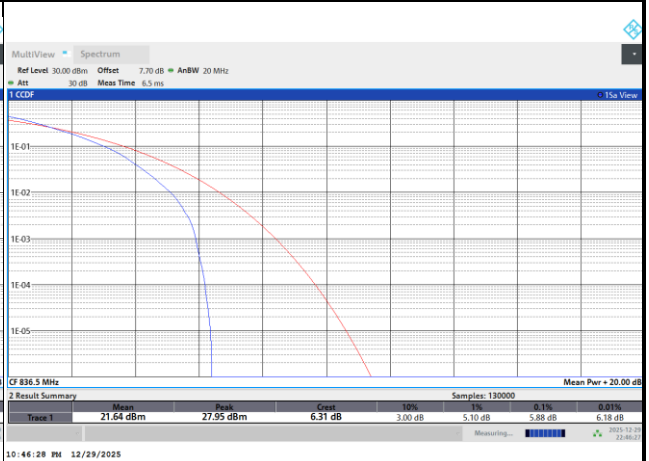
QPSK



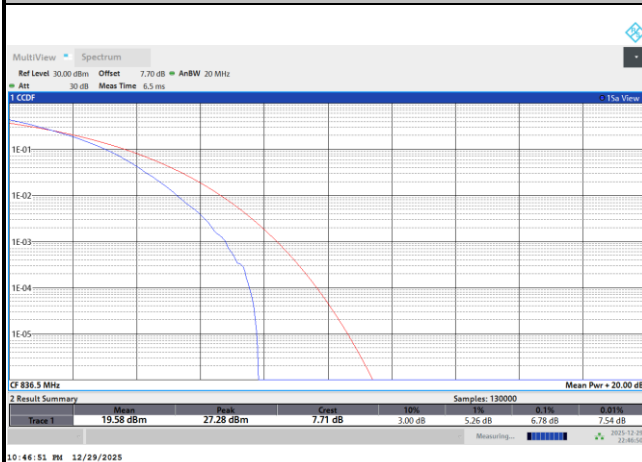
16QAM



64QAM



256QAM



**26dB Bandwidth**

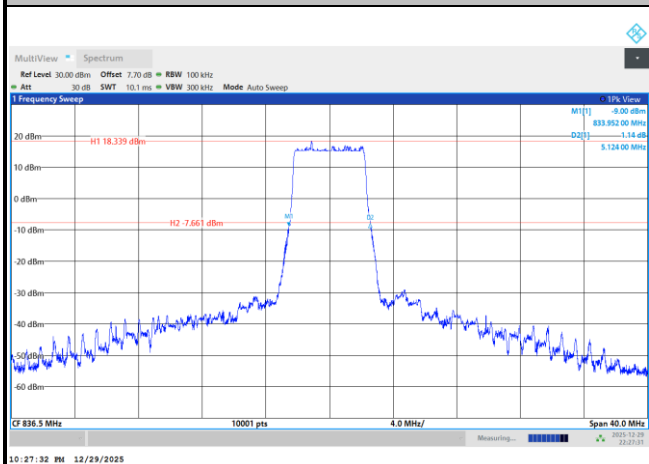
Mode	FR1 n5 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.12		9.82		14.33		19.32	

Mode	FR1 n5 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.30	5.30	10.32	10.29	15.21	15.18	20.54	20.55
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.24	5.17	10.21	10.25	15.16	15.13	20.43	20.43



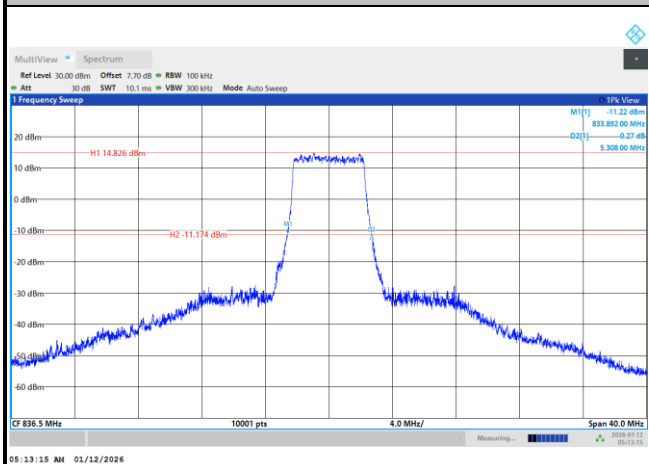
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

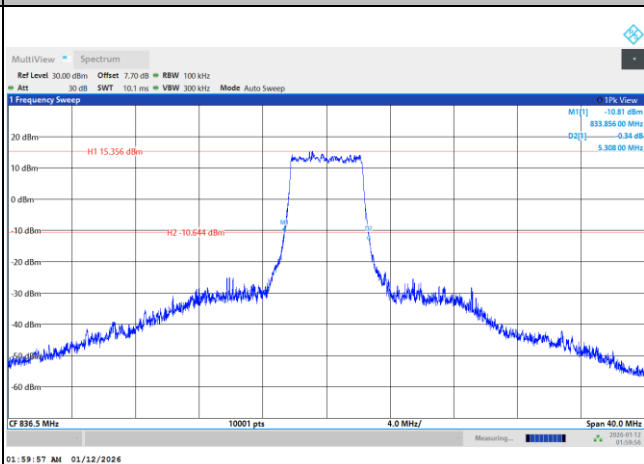


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

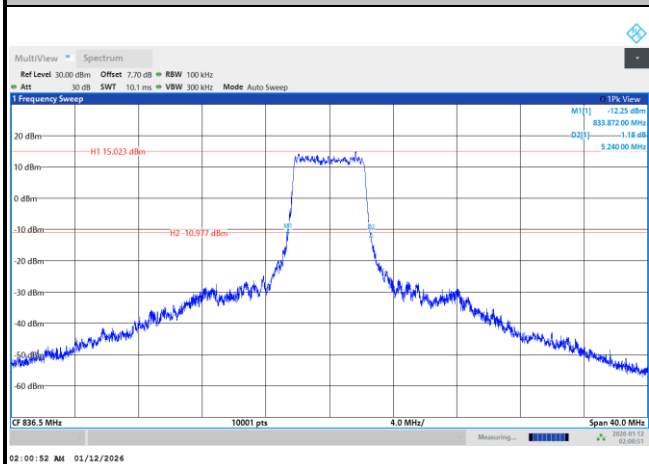
QPSK



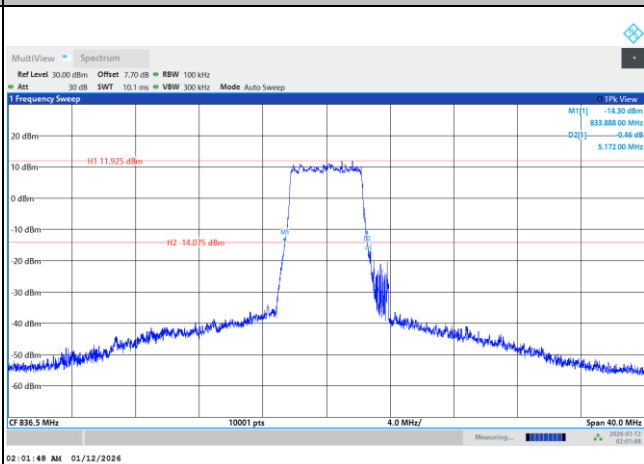
16QAM



64QAM



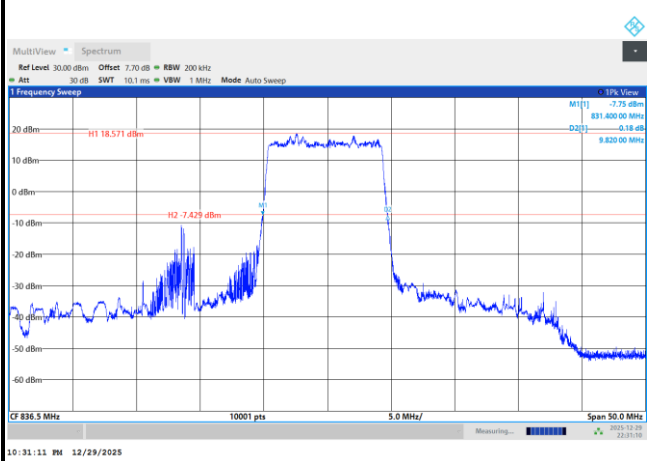
256QAM





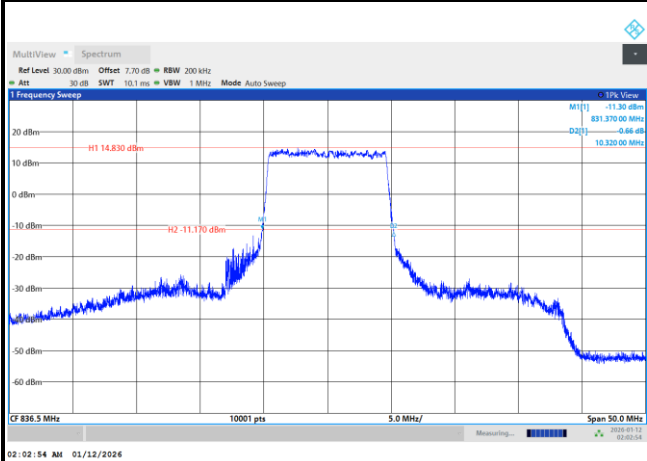
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

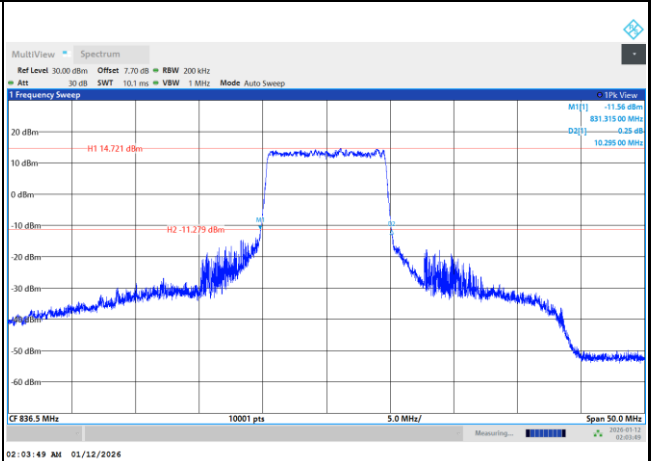


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

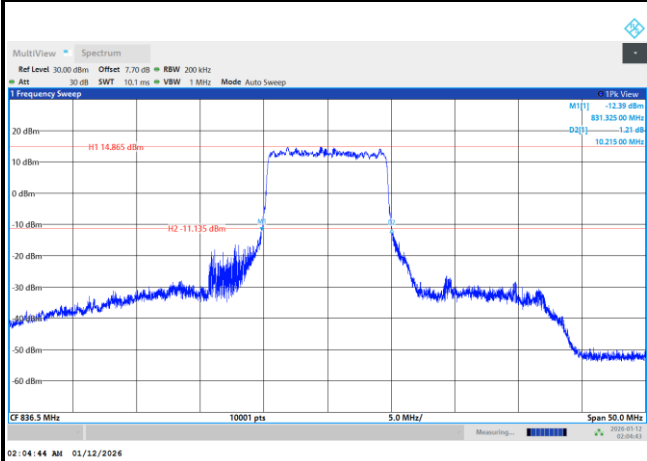
QPSK



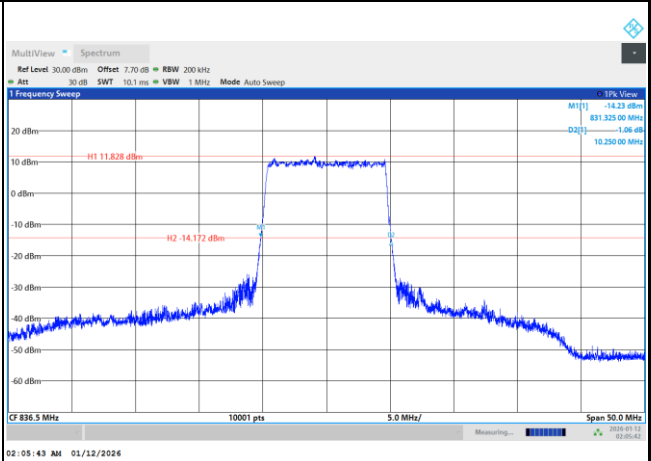
16QAM



64QAM



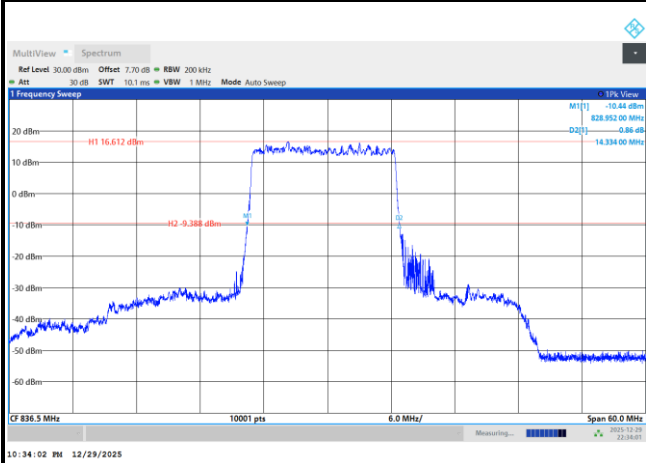
256QAM





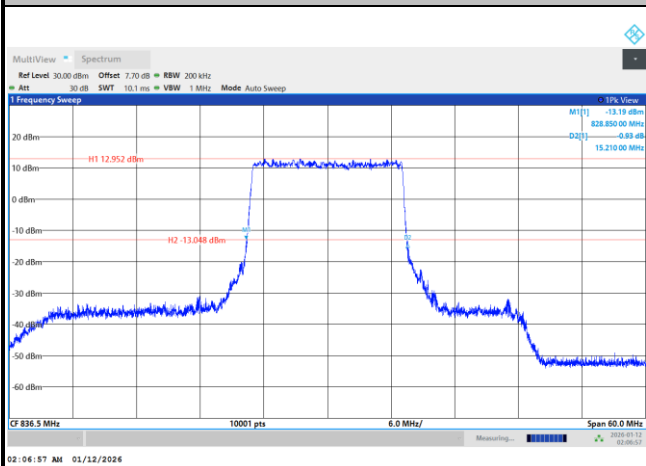
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

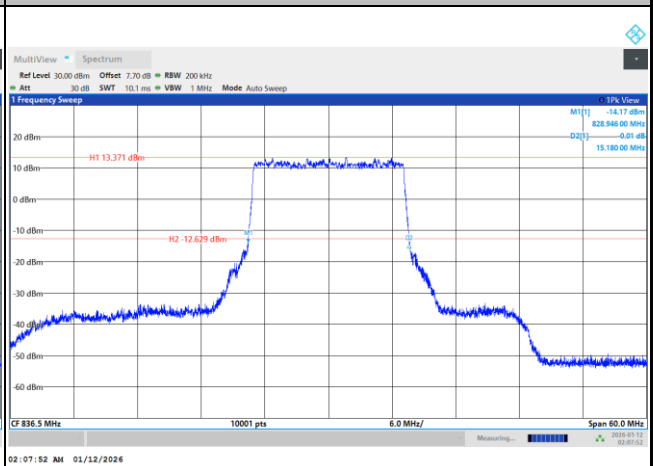


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

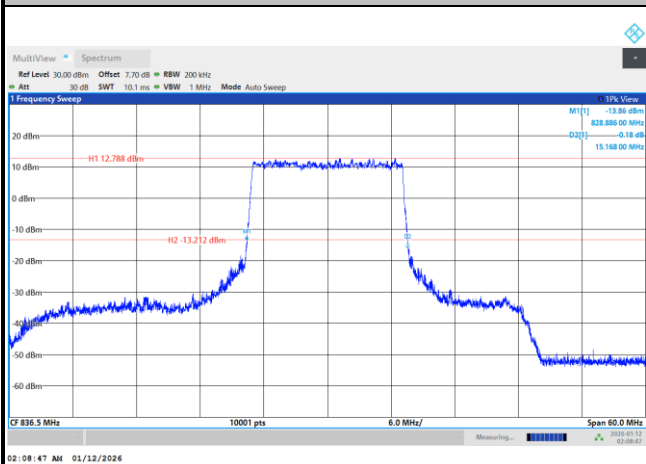
QPSK



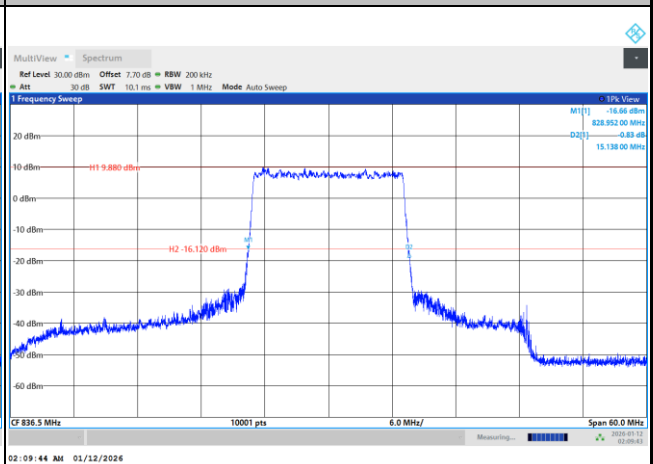
16QAM



64QAM



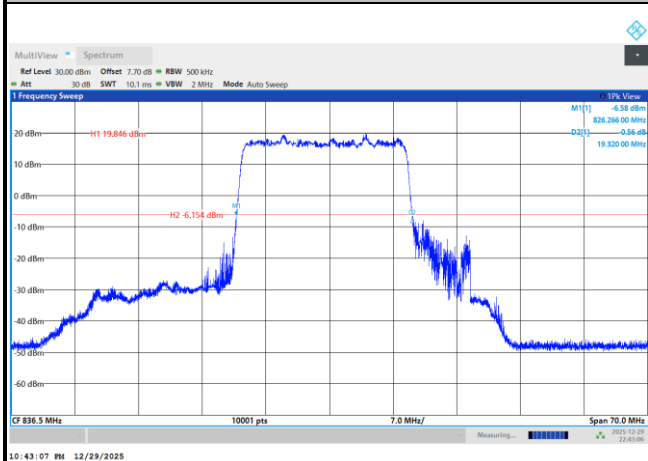
256QAM





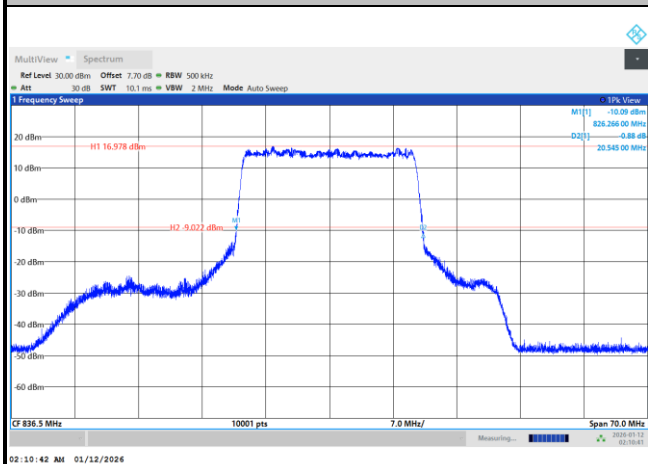
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

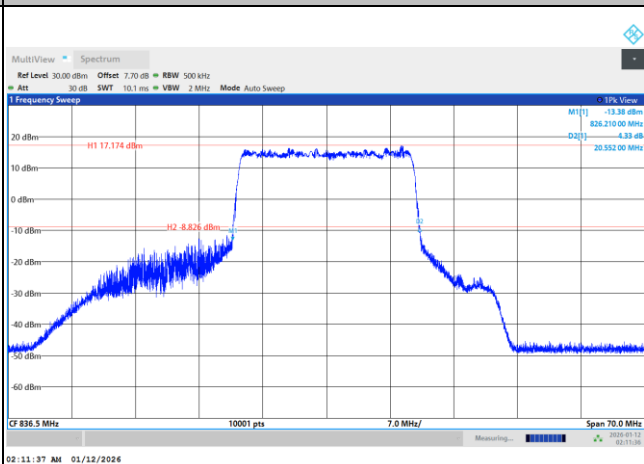


FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB

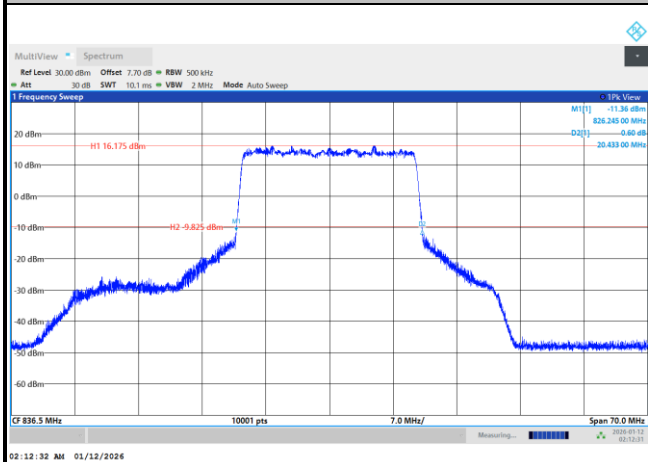
QPSK



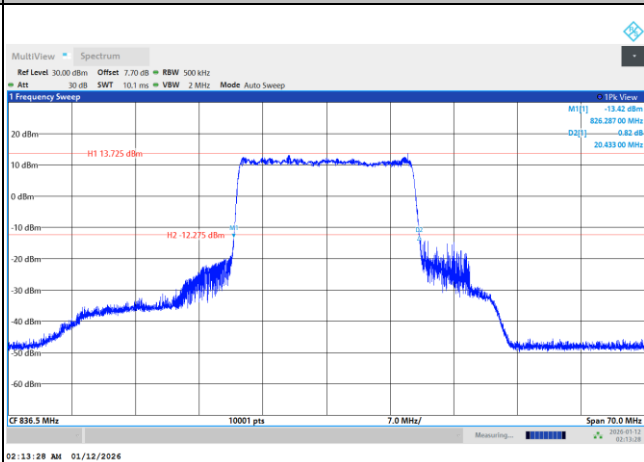
16QAM



64QAM



256QAM



**Occupied Bandwidth**

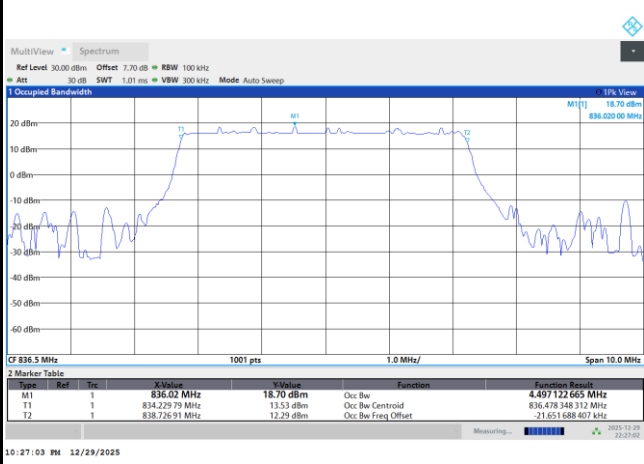
Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		8.98		13.60		18.00	

Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.55	9.31	9.33	14.25	14.29	18.97	19.05
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.51	4.53	9.30	9.35	14.32	14.24	19.05	19.10



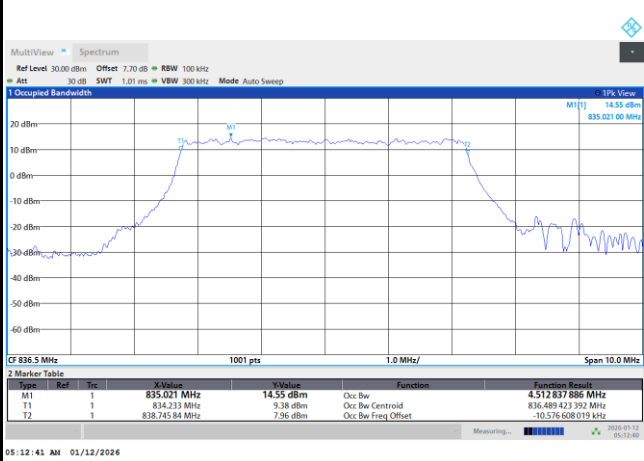
FR1 n5 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

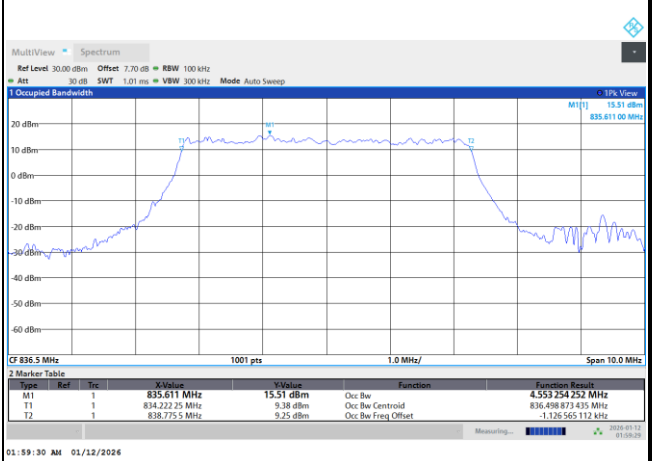


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

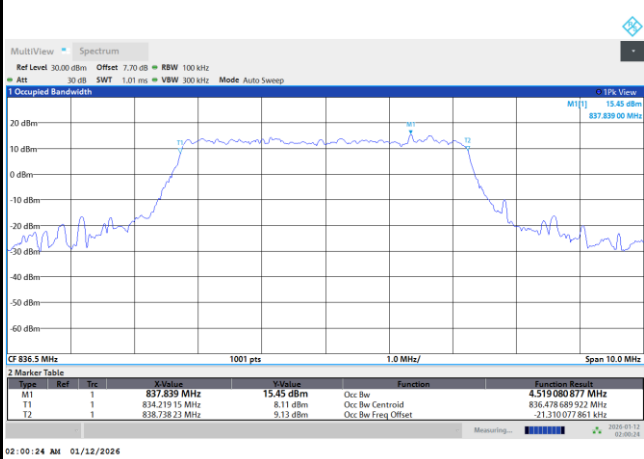
QPSK



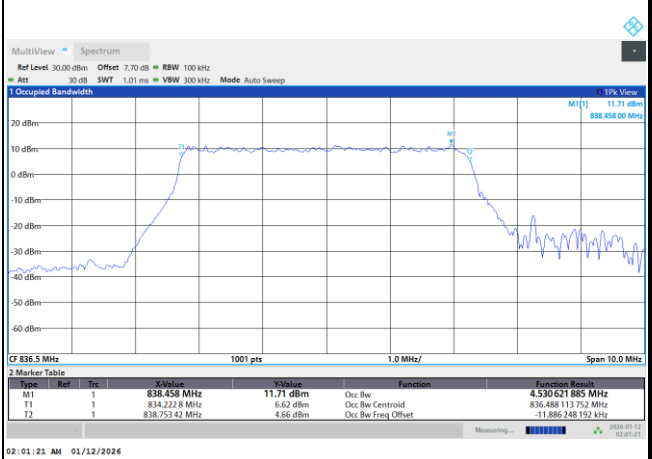
16QAM



64QAM



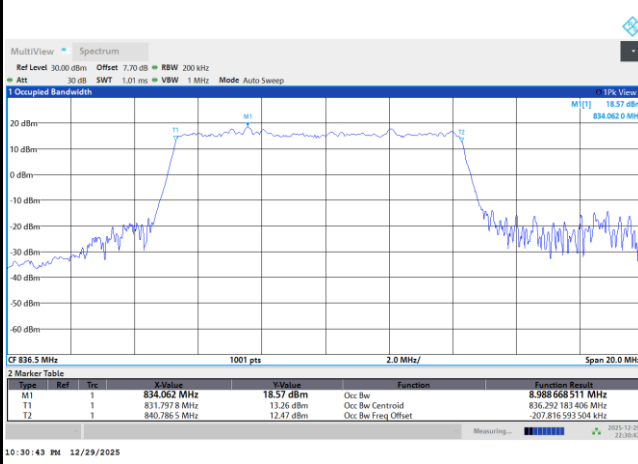
256QAM





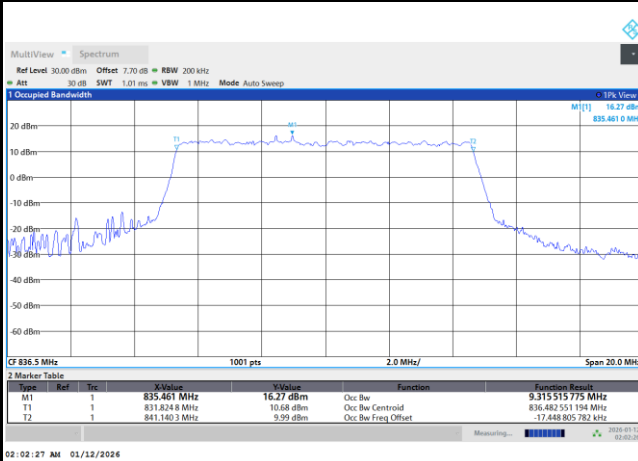
FR1 n5 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

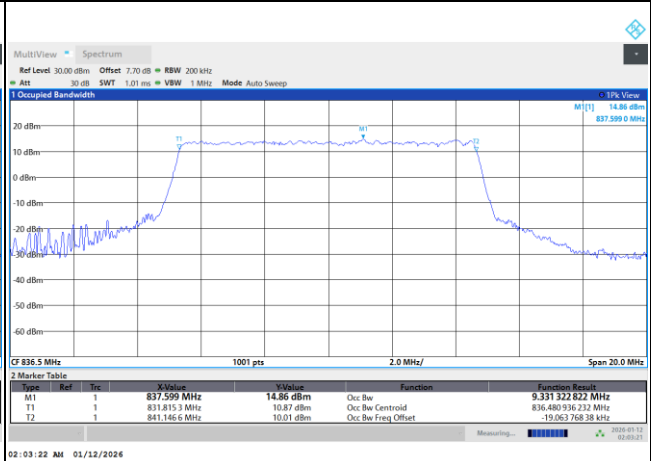


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

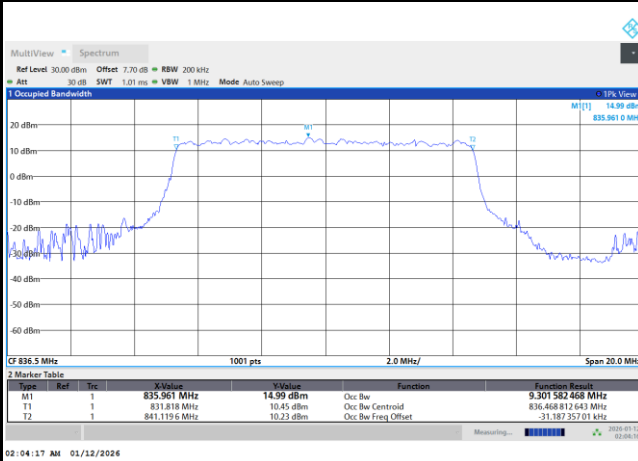
QPSK



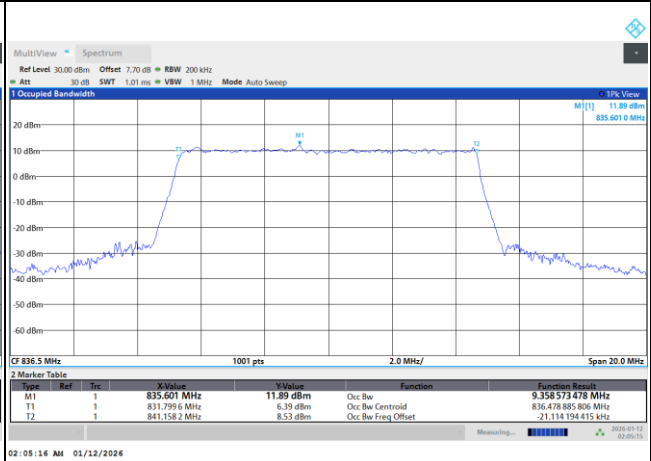
16QAM



64QAM



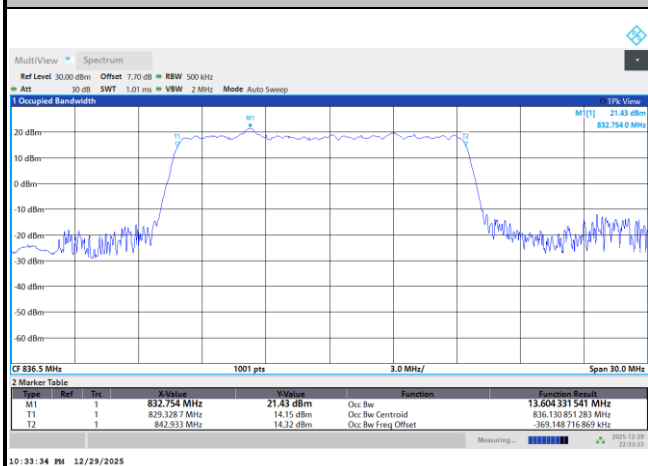
256QAM





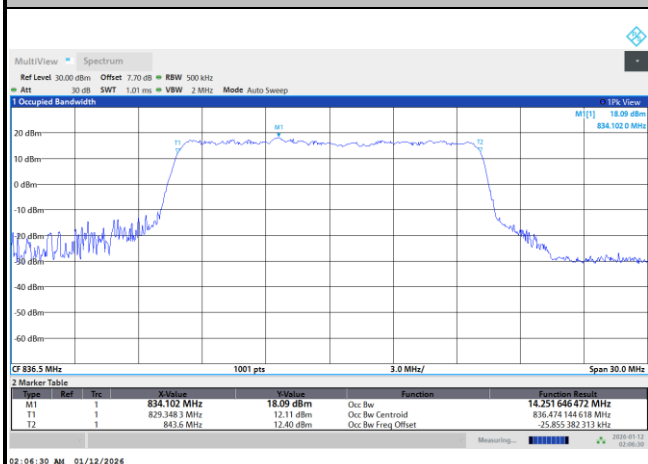
FR1 n5 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

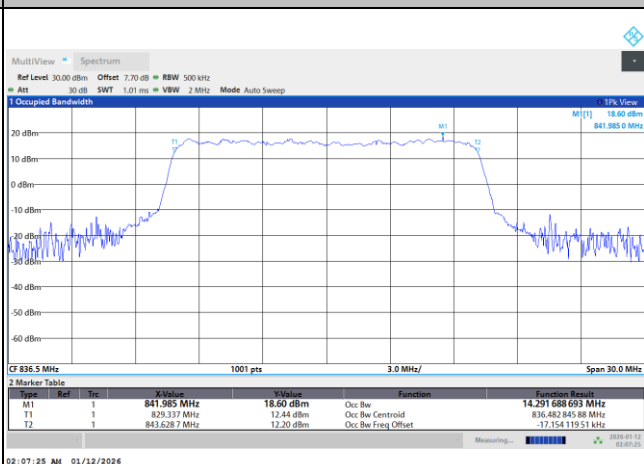


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

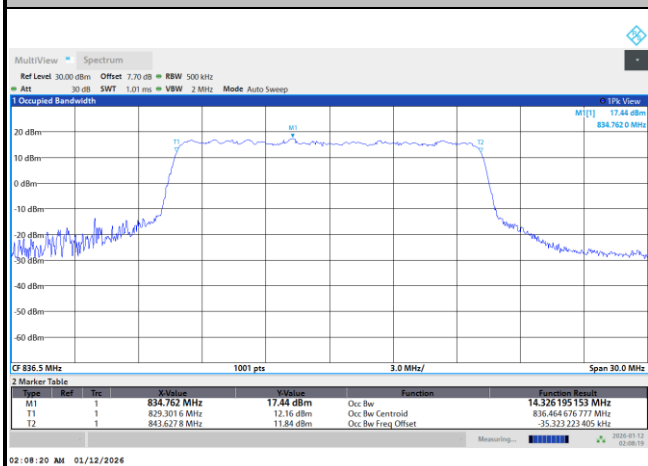
QPSK



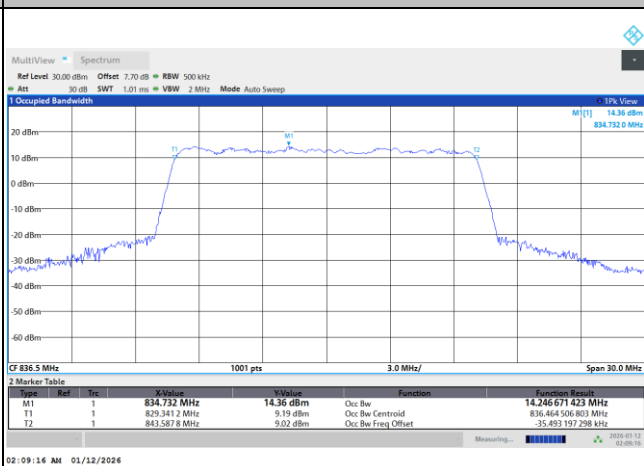
16QAM



64QAM



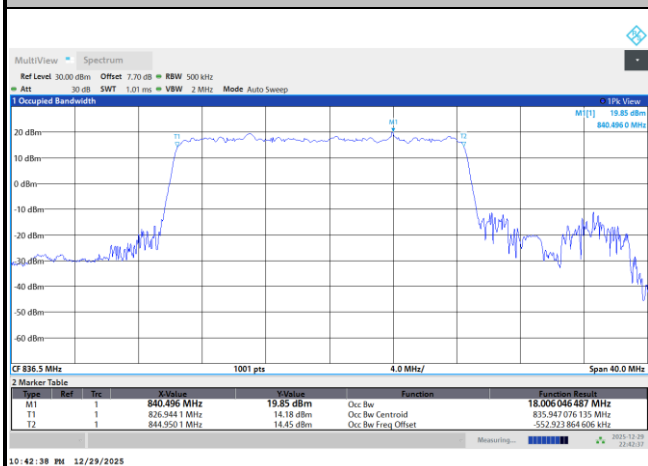
256QAM





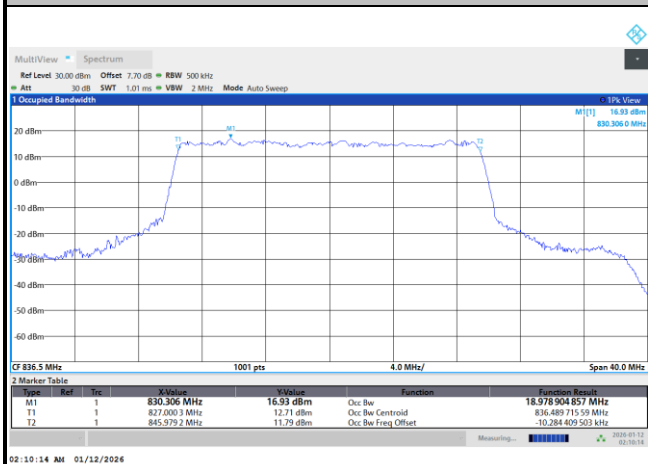
FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

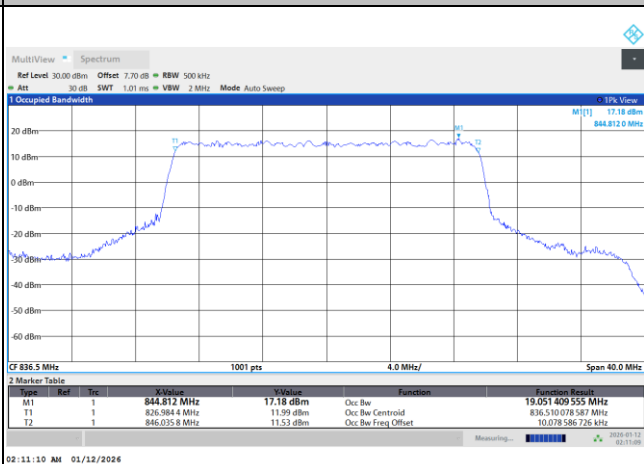


FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB

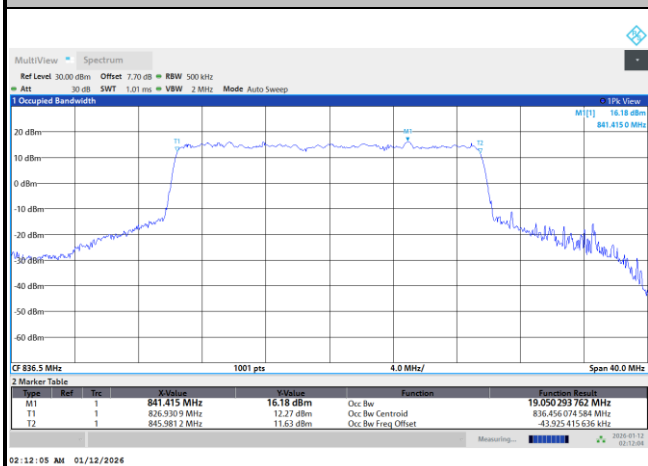
QPSK



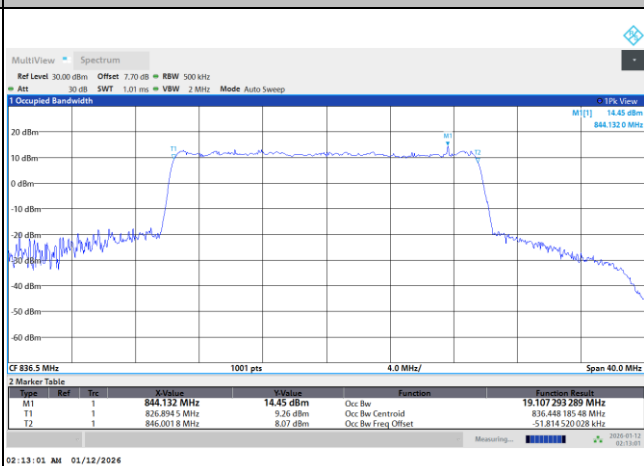
16QAM



64QAM



256QAM



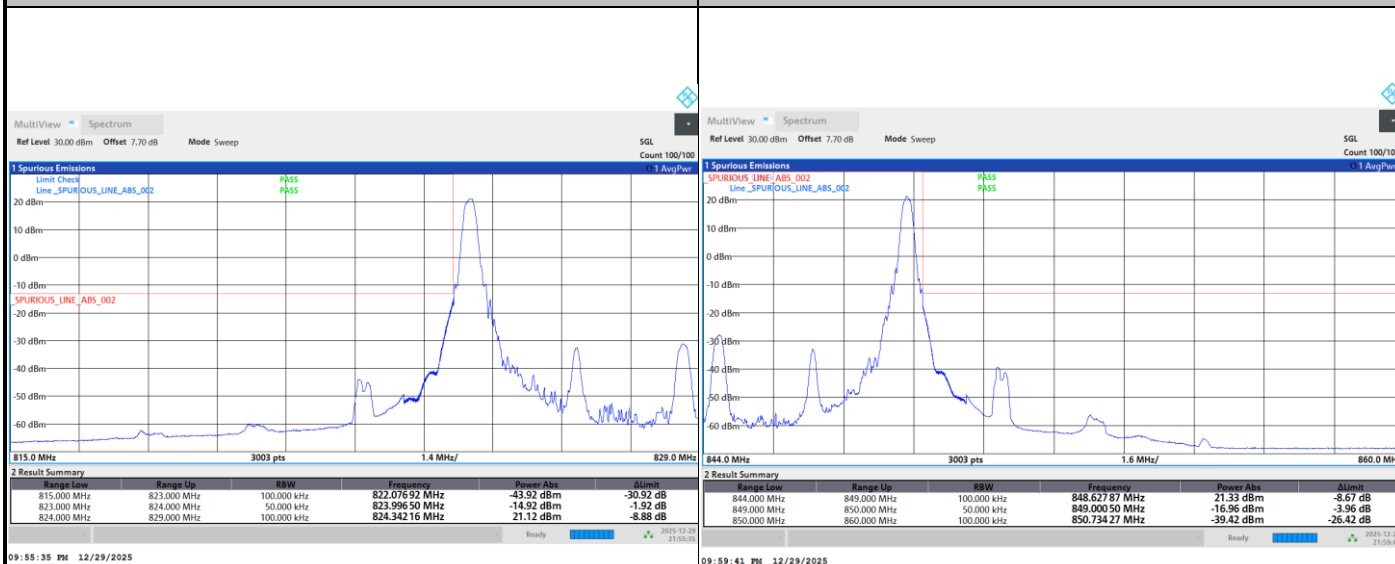


Conducted Band Edge

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

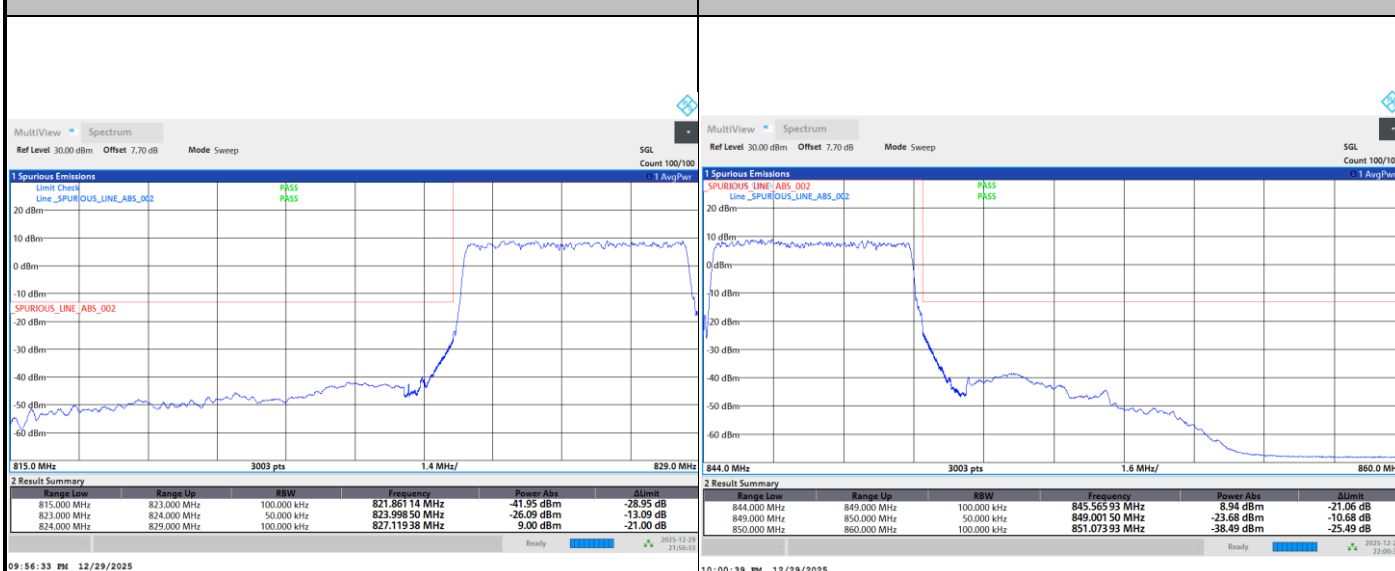
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

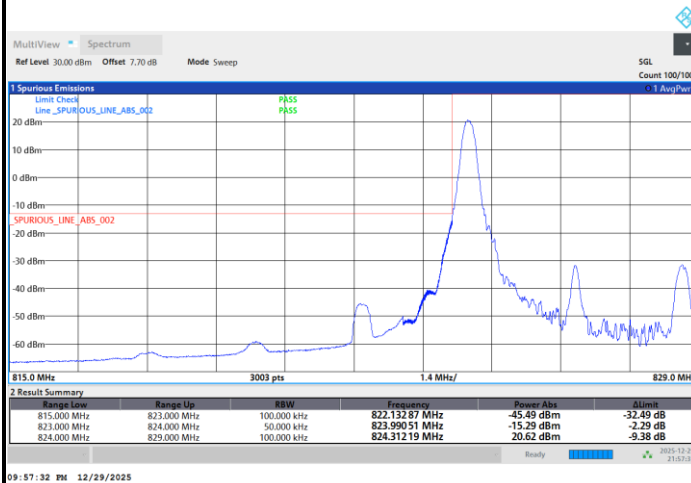
Highest Band Edge / Full RB



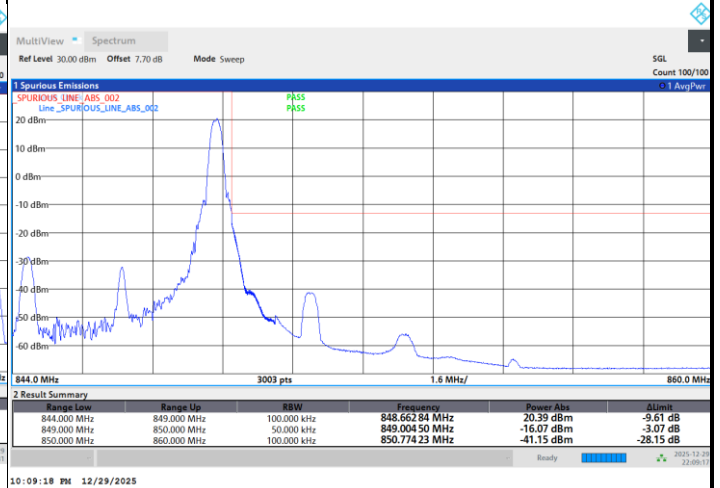


FR1 n5 / 5MHz / DFT-S OFDM / QPSK

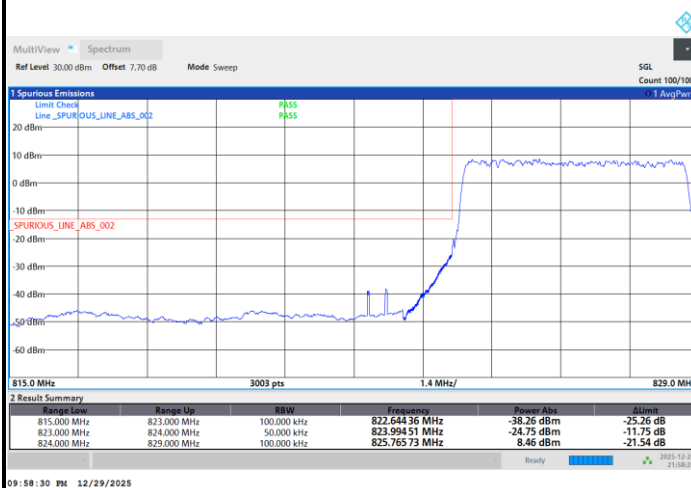
Lowest Band Edge / 1RB0



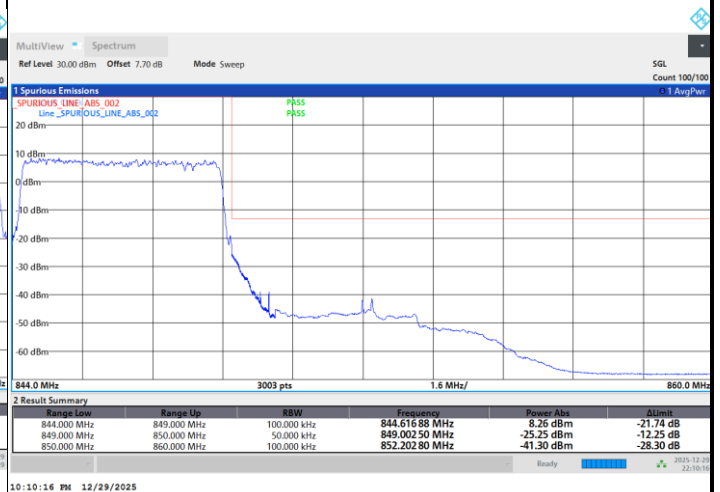
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

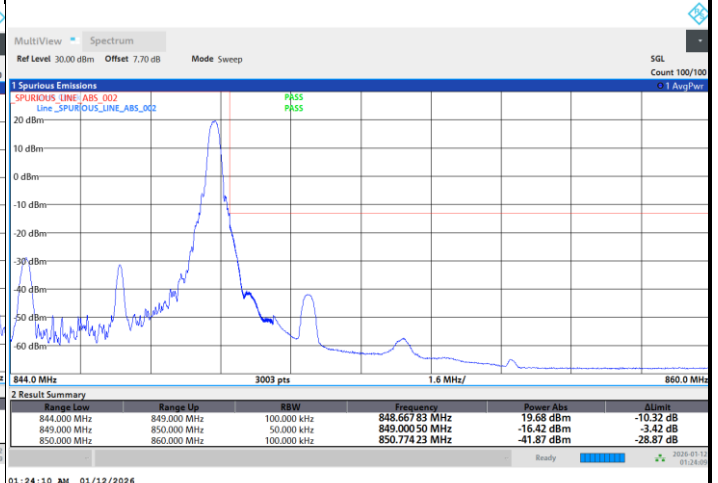
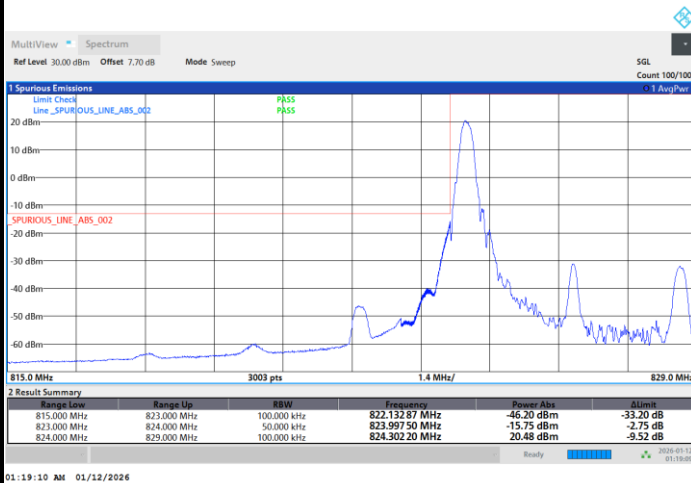




FR1 n5 / 5MHz / DFT-S OFDM / 16QAM

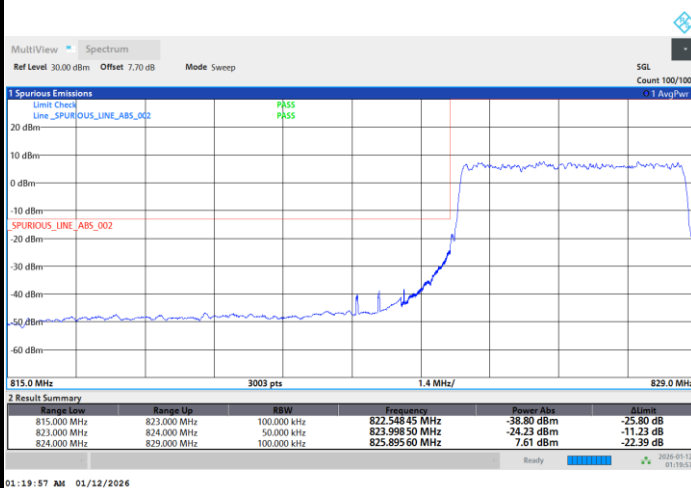
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

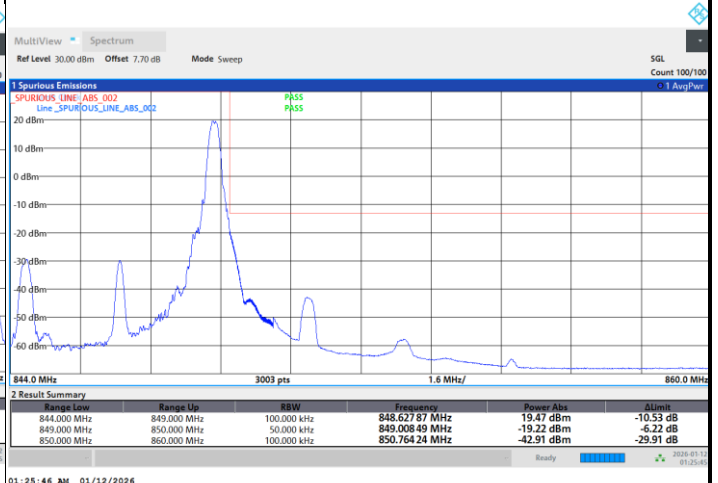
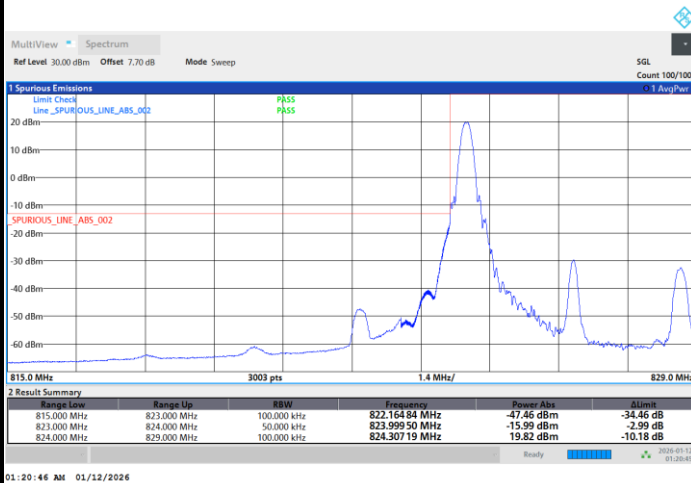




FR1 n5 / 5MHz / DFT-S OFDM / 64QAM

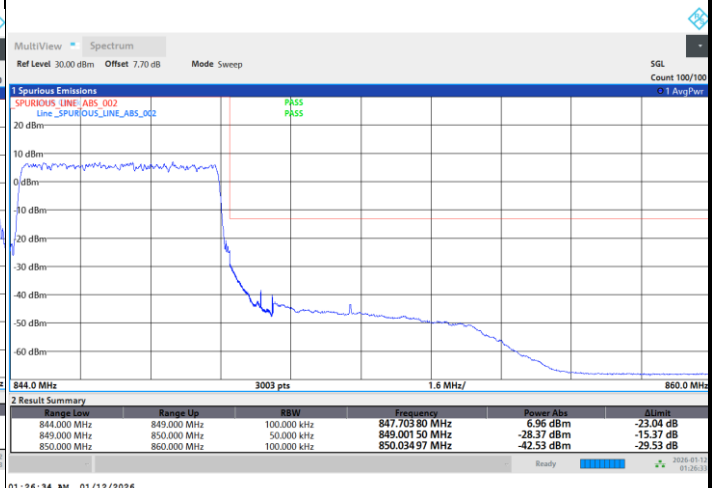
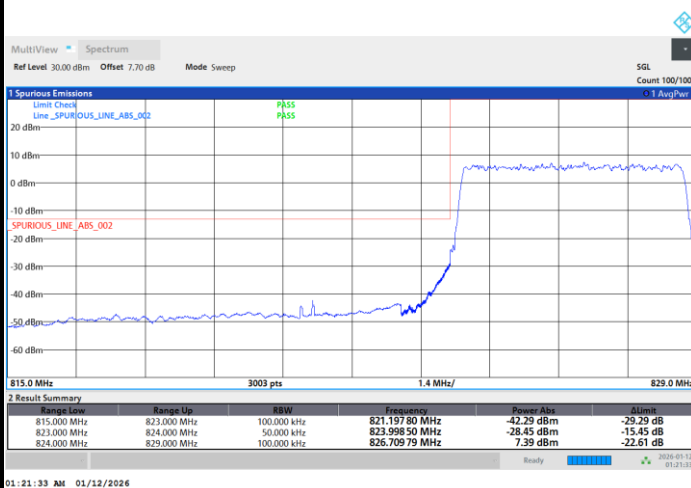
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

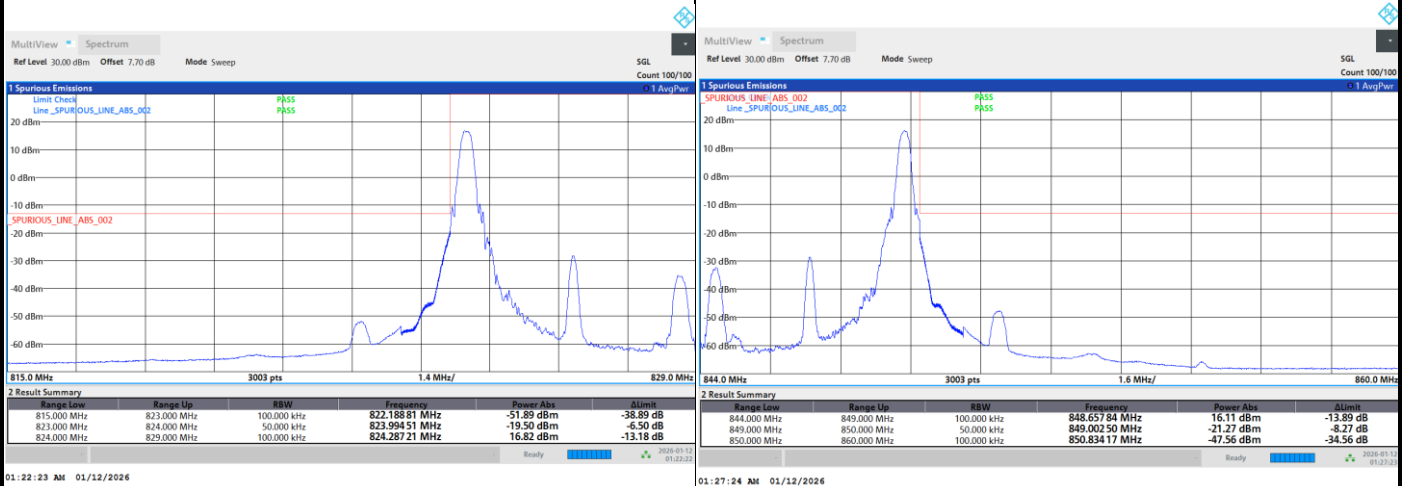




FR1 n5 / 5MHz / DFT-S OFDM / 256QAM

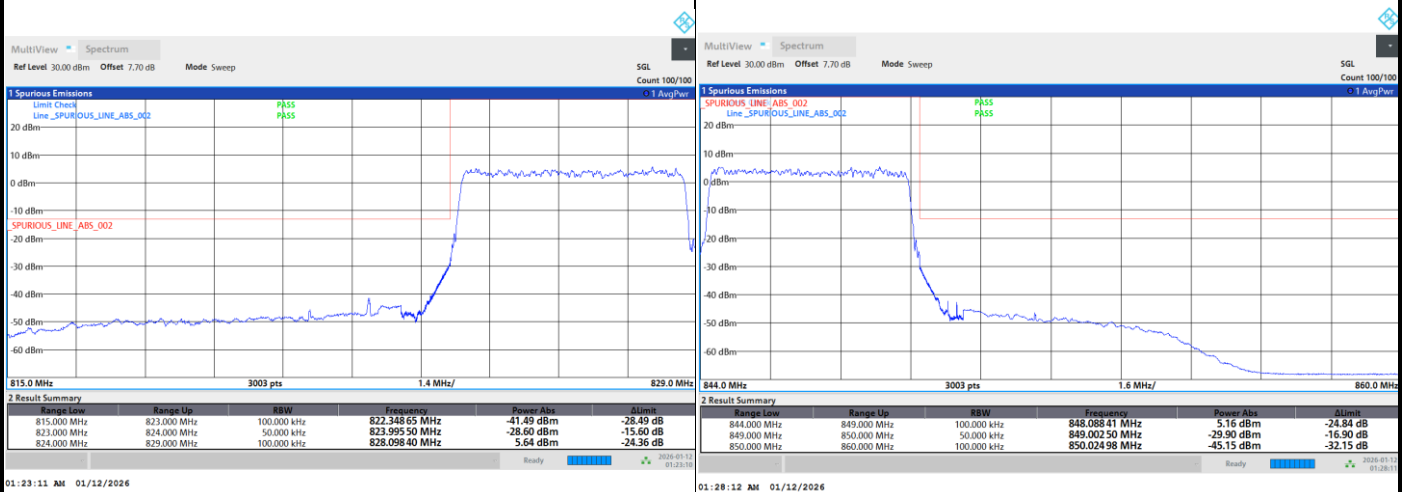
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

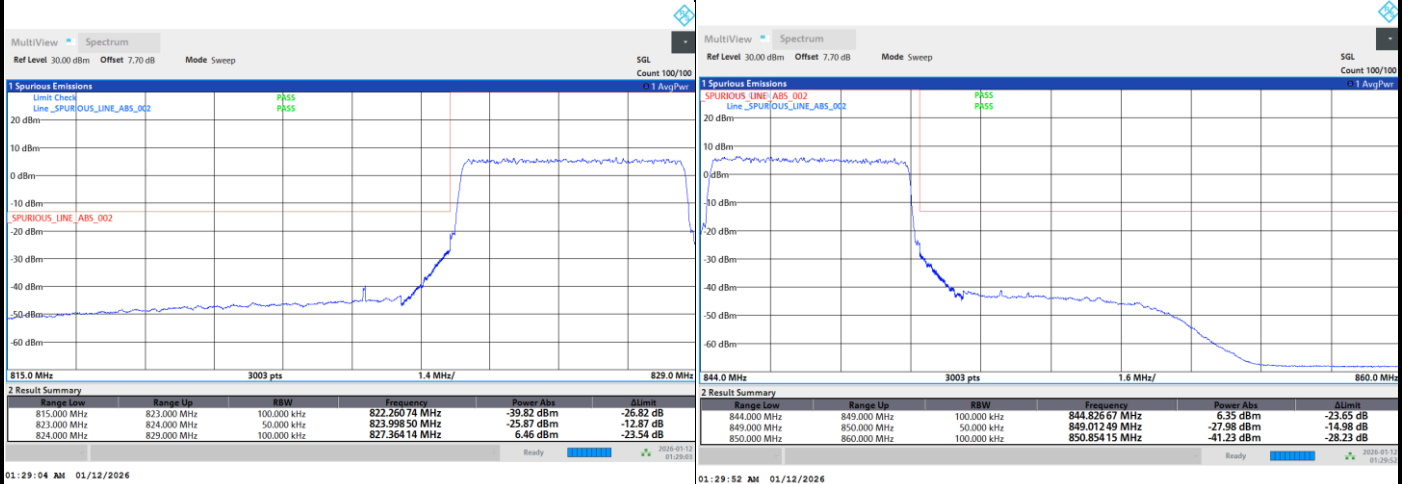




FR1 n5 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

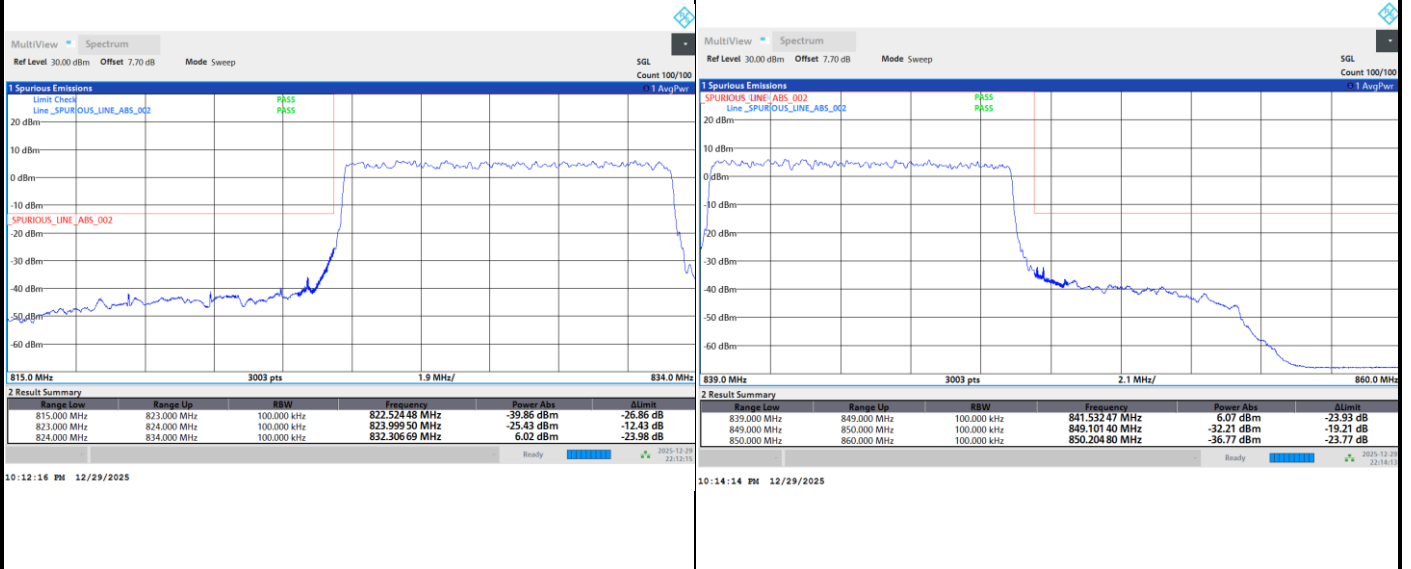




FR1 n5 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

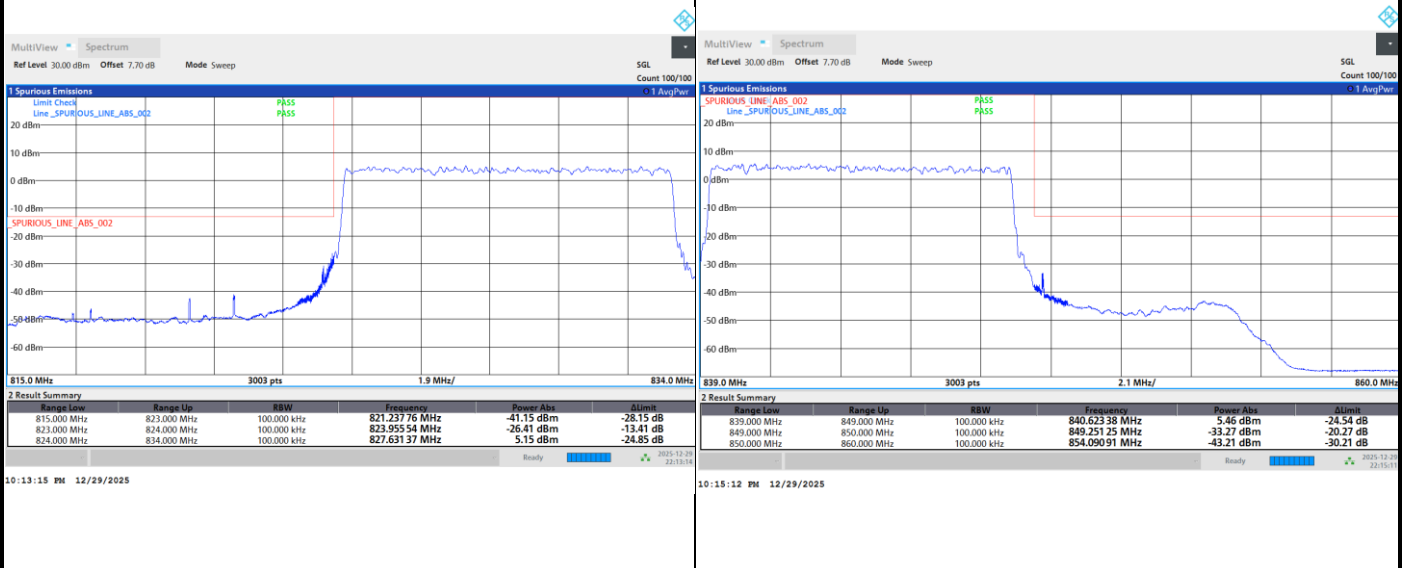
Highest Band Edge



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

Lowest Band Edge

Highest Band Edge

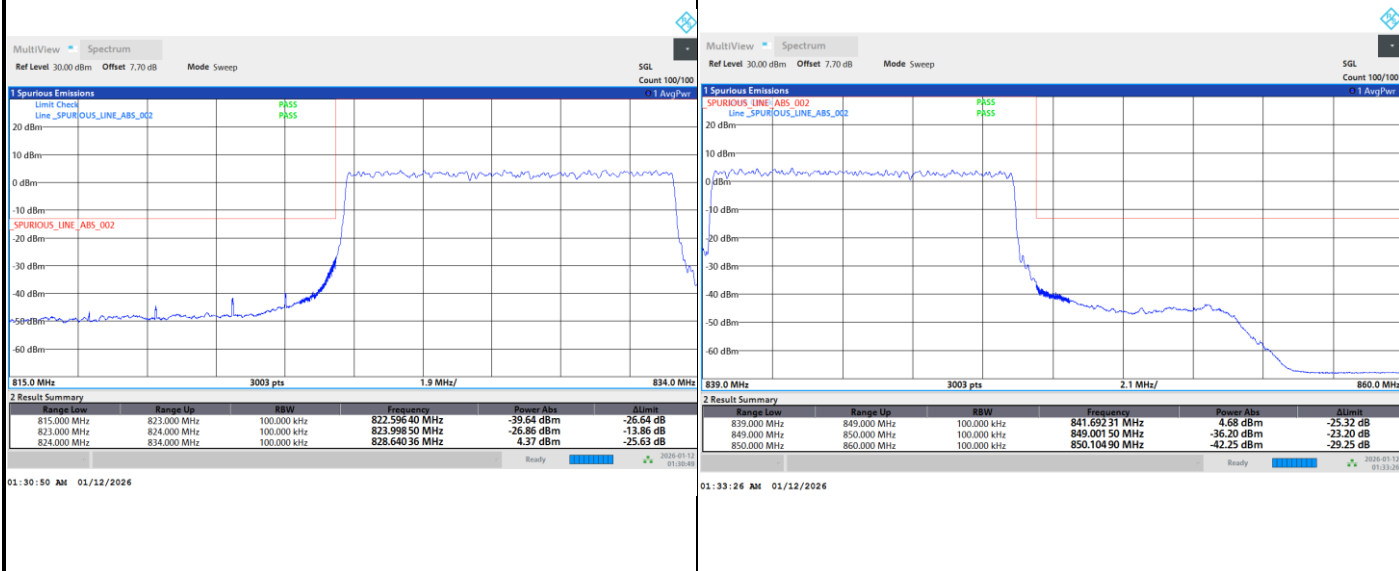




FR1 n5 / 10MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

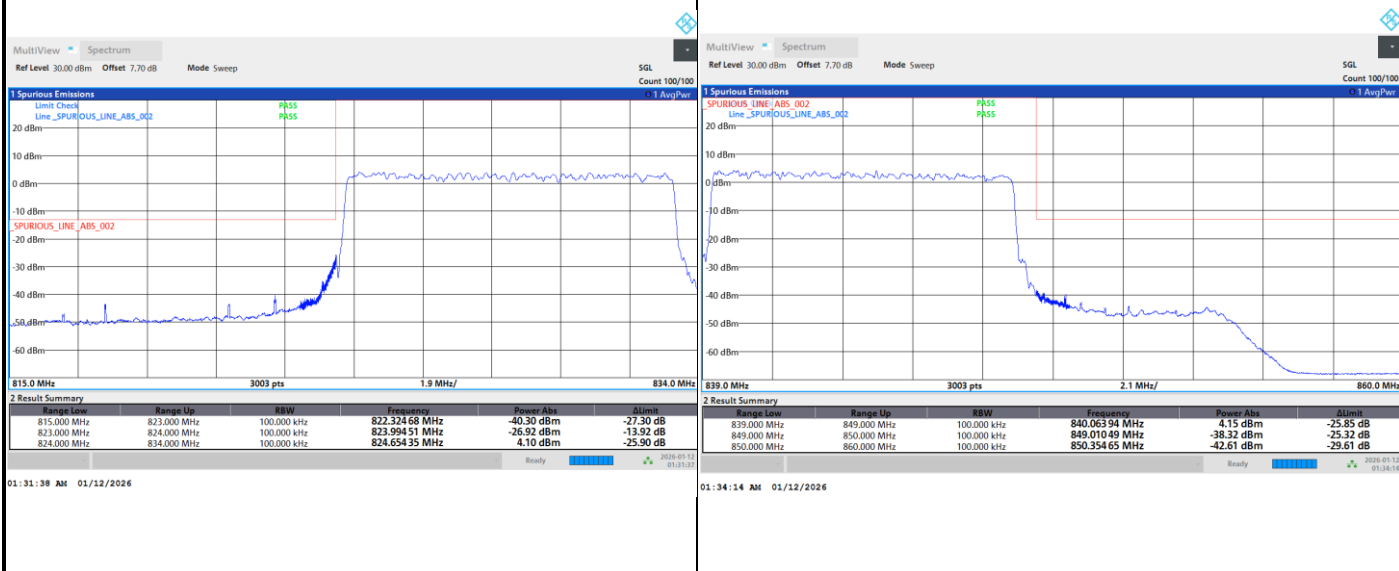
Highest Band Edge



FR1 n5 / 10MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge

Highest Band Edge

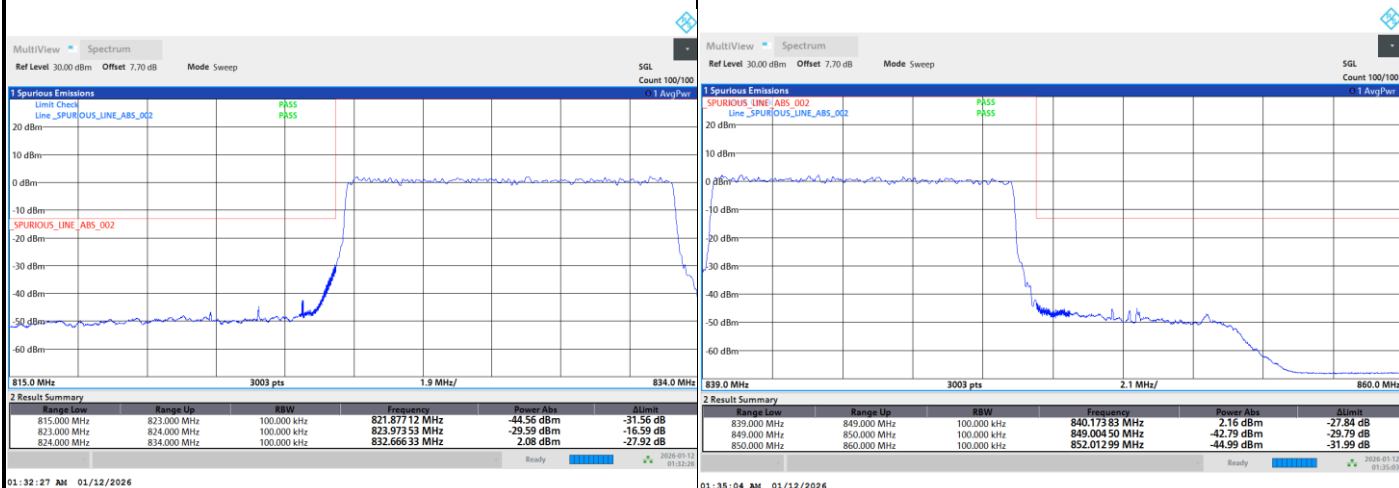




FR1 n5 / 10MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge

Highest Band Edge



FR1 n5 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

