FCC RADIO TEST REPORT

FCC ID	:	**RI7FN990A40HP**
Equipment	:	**5G NR Module**
Brand Name	:	**Telit**
Model Name	:	**FN990A40-HP**
Marketing Name	:	**FN990A40-HP**
Applicant	:	**Telit Communications S.p.A. Via Stazione Di Prosecco 5/B, Trieste 34010, Italy**
Manufacturer	:	**Telit Communications S.p.A. Via Stazione Di Prosecco 5/B, Trieste 34010, Italy**
Standard	:	**FCC 47 CFR Part 2, 27, 27O, 27Q**

The product was received on Mar. 25, 2024 and testing was performed from Apr. 09, 2024 to May 27, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FG270608-14	01	Initial issue of report	Jun. 05, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§27.50 (h)(2)	Equivalent Isotropic Radiated Power (n41)	Pass	
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (n77) (n78)		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (n77) (n78)		
3.3	§27.50 (j)(4) §27.50 (k)(4)	Peak-to-Average Ratio	Reporting only	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n41)	Pass	-
	§2.1051 §27.53 (l)(2)	Conducted Band Edge Measurement (n77) (n78)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (n77) (n78)		
3.6	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n41)	Pass	-
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77) (n78)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (n77) (n78)		
3.7	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (n41)	Pass	13.98 dB under the limit at 10355.00 MHz
	§2.1053 §27.53 (l)(2)	Radiated Spurious Emission (n77) (n78)		
	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission (n77) (n78)		
Remark: This is a variant report which can be referred to Product Equality Declaration.. All the test cases were performed on original report which can be referred to Sporton Report Number FG270608-10A. Based on the original report, the test cases were verified.				

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

Reviewed by: Avis Chuang

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE/5G NR, and GNSS
HW Version	1.00
SW Version	M0R.140005
Antenna Type	WWAN: Monopole Antenna GPS/Glonass/BDS/Galileo/SBAS: Monopole Antenna
Antenna Gain	5G NR n41: 2.30 dBi 5G NR n77: 1.00 dBi 5G NR n78: 1.00 dBi

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

Support band and evaluated information	
Supported band	n41, n77, n78
Evaluated and Tested band	n41, n77
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ n77 cover n78 (Part 27O) ■ n77 cover n78 (Part 27Q)

TDD band Power Class				
	PC3	**PC2**	**PC2 MIMO**	**PC1.5 MIMO**
n41	V	V	V	V
n77	V	V	V	V
n78	V	V	V	V

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.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Hank Chen
Temperature (℃)	20.4~22.6
Relative Humidity (%)	50.1~58.5

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

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

FCC Designation No.: TW1190 and TW3786

1.4 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, 27, 27O, 27Q
- 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 two config (Ant. Horizontal and Ant. Vertical), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

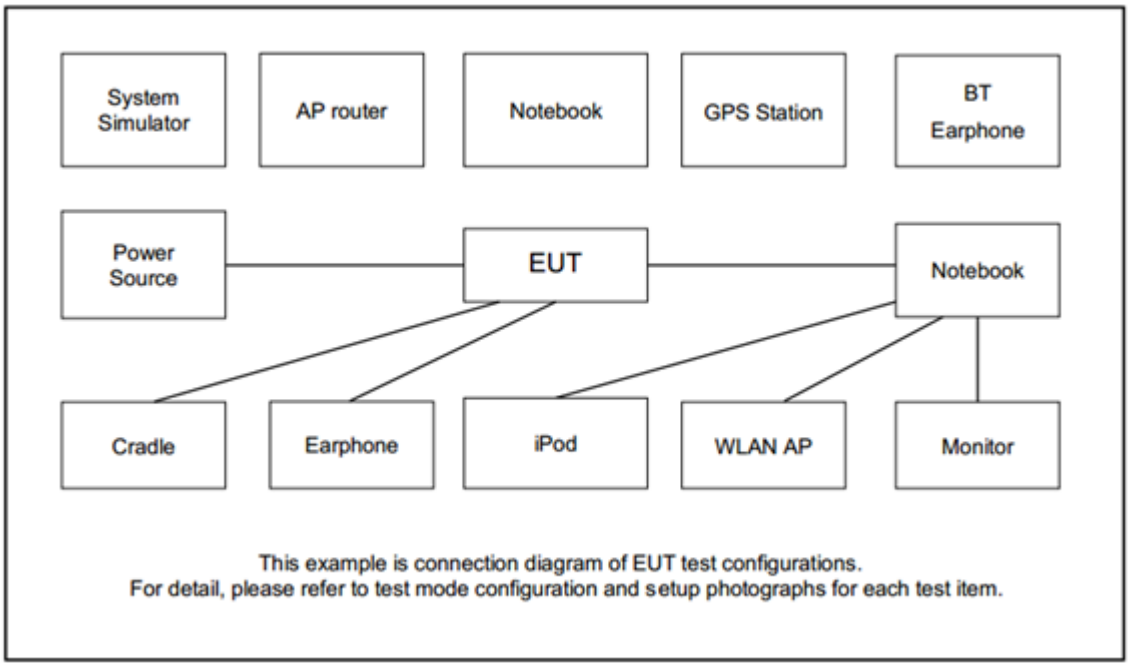
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All*	1, Half, Full	L, M, H
ERP/EIRP	A, B, C, D, E	All*	1, Half, Full	L, M, H
PAR	A, B, C, D, E	All*	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	20 MHz 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. The test bandwidth " All*" stands for can be refer to the frequency list in Section 2.5.

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.	Power Supply	GW Instek	PSS-2005	N/A	N/A	N/A
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	System Simulator	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n41 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685.00

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

5G NR n78 (Part27O) Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	-	650000	-
	Frequency	-	3750	-
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	6750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

5G NR n77 (Part27Q) Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

5G NR n78 (Part27Q) Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

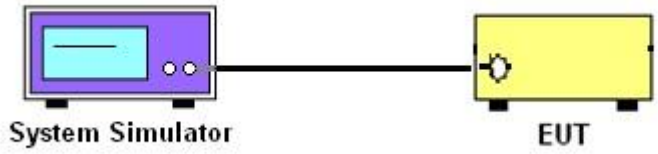
3 Conducted Test Items

3.1 Measuring Instruments

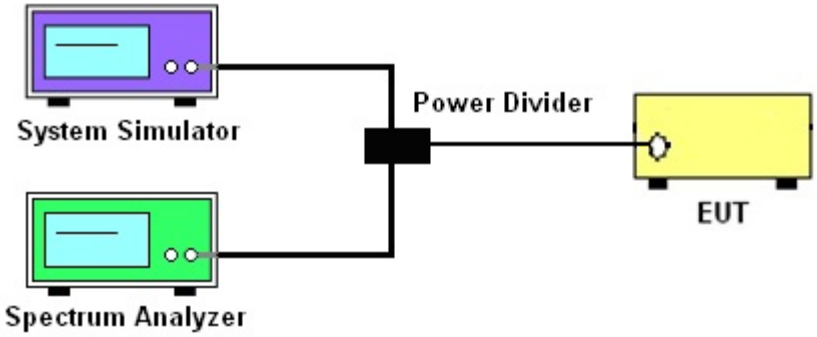
See list of measuring instruments of this test report.

3.1.1 Test Setup

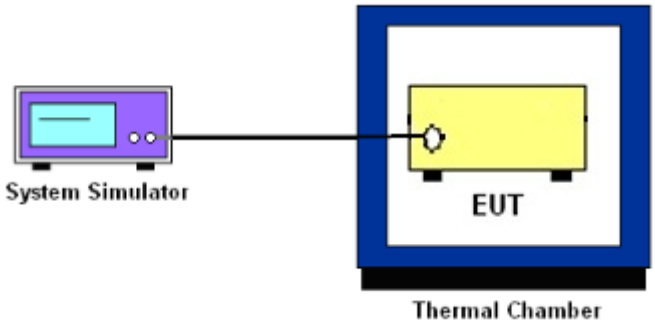
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and EIRP

3.2.1 Description of the Conducted Output Power Measurement and 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 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 n77, n78

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

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

27.53(m)(4)

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

27.53 (l)(2)

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

27.53 (n)(2)

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

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

For 5G NR n41

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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

   For 5G NR n41

   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
9. For MIMO mode, add additional MIMO factor 10log(NTX=2) = 3.01dB into the spectrum analyzer offset.

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

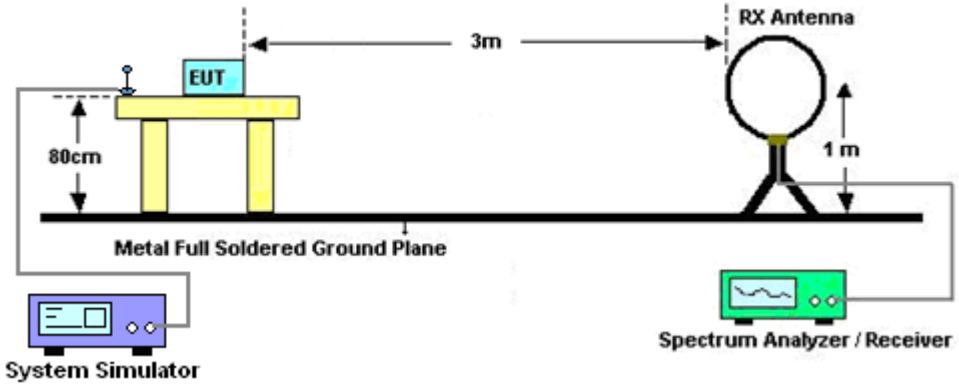
4 Radiated Test Items

4.1 Measuring Instruments

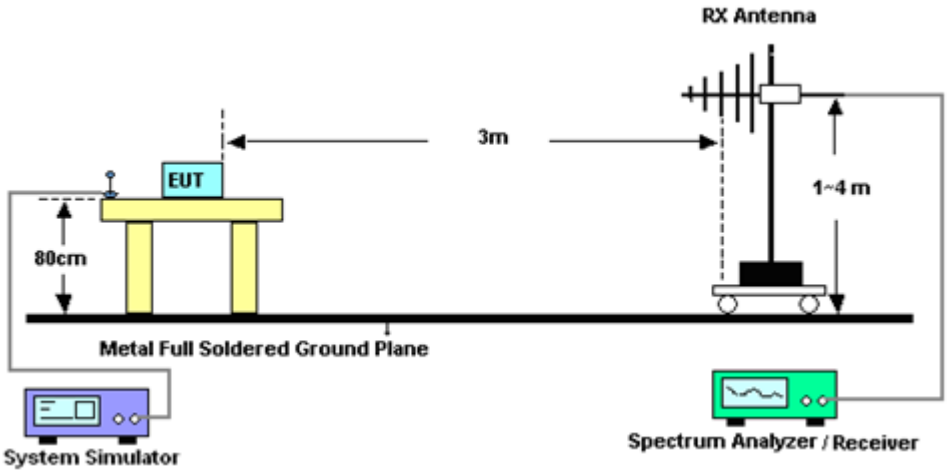
See list of measuring instruments of this test report.

4.1.1 Test Setup

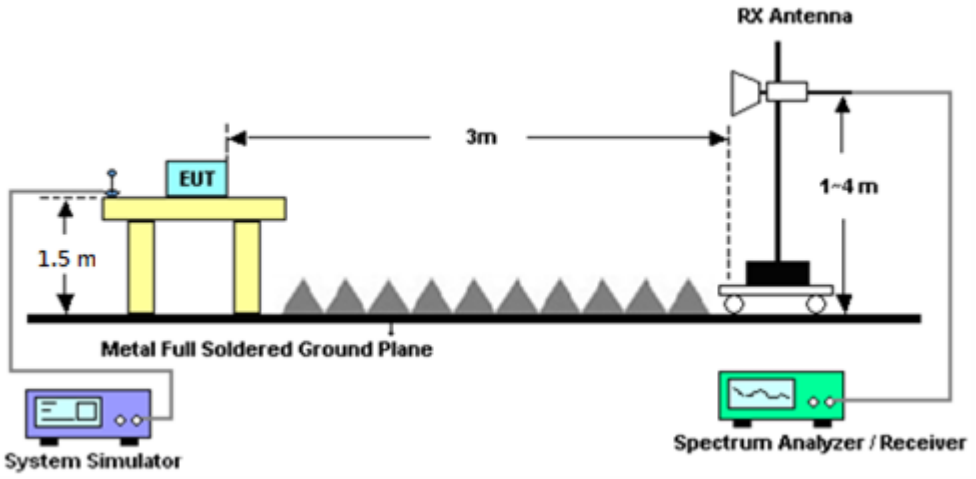
For radiated test below 30MHz



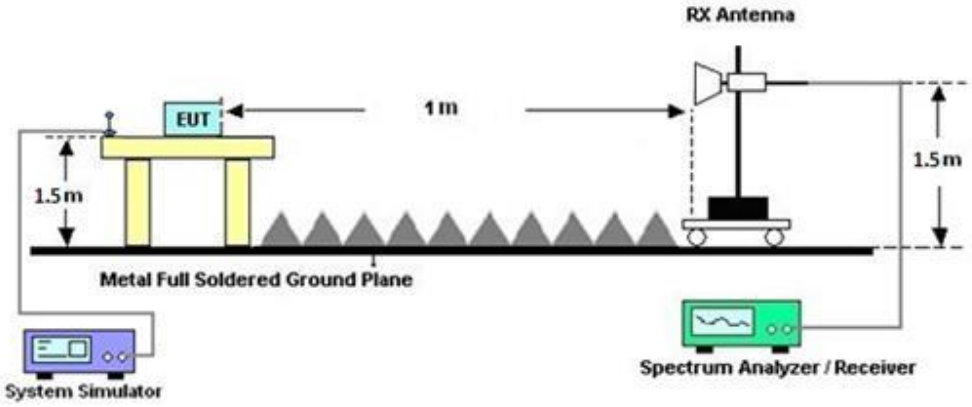
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For 5G NR n41

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

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

4.2.2 Test Procedures

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

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

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

   where d is the distance at which filed strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Apr. 09, 2024~ May 11, 2024	Feb. 22, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Apr. 09, 2024~ May 11, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 31, 2023	Apr. 09, 2024~ May 11, 2024	Jul. 30, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Apr. 09, 2024~ May 11, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 20, 2024	Apr. 09, 2024~ May 11, 2024	Mar. 19, 2025	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 23, 2023	Apr. 09, 2024~ May 11, 2024	May 22, 2024	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 20, 2023	Apr. 09, 2024~ May 11, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Apr. 09, 2024~ May 11, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2024	Apr. 09, 2024~ May 11, 2024	Jan. 09, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN11	1GHz High Pass Filter	Nov. 02, 2023	Apr. 09, 2024~ May 11, 2024	Nov. 01, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 10, 2023	Apr. 09, 2024~ May 11, 2024	Jul. 09, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 08, 2024	Apr. 09, 2024~ May 11, 2024	Mar. 07, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Apr. 09, 2024~ May 11, 2024	Mar. 05, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Apr. 09, 2024~ May 11, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Apr. 09, 2024~ May 11, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Apr. 09, 2024~ May 11, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Apr. 09, 2024~ May 11, 2024	Oct. 18, 2024	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 09, 2024~ May 11, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 09, 2024~ May 11, 2024	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 09, 2024~ May 11, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Apr. 09, 2024~ May 11, 2024	N/A	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Programmable Power Supply	GW Instek	GPE-2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Apr. 22, 2024~ May 27, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Sep. 26, 2023	Apr. 22, 2024~ May 27, 2024	Sep. 25, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 04, 2023	Apr. 22, 2024~ May 27, 2024	Sep. 03, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	N/A	Jun. 26, 2023	Apr. 22, 2024~ May 27, 2024	Jun. 25, 2024	Conducted (TH03-HY)
Radio Communication Test Station	Anritsu	MT8000A	6272337370	N/A	Nov. 14, 2023	Apr. 22, 2024~ May 27, 2024	Nov. 13, 2024	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jul. 01, 2023	Apr. 22, 2024~ May 27, 2024	Jun. 30, 2024	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR Test Tools Ver1.0 (2022-09-23)	N/A	Conducted Test Item	N/A	Apr. 22, 2024~ May 27, 2024	N/A	Conducted (TH03-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.07 dB**

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

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

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

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

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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	BPSK	24.30	24.48	25.42	24.47	25.13	25.22	27.40	27.83	28.33	30.64	1.1588
10	1	22		24.42	24.49	25.50	24.51	25.03	25.16	27.48	27.78	28.34		
10	12	6		24.47	24.62	24.33	24.54	25.13	25.28	27.52	27.89	27.84		
10	1	0		18.22	18.52	19.53	18.46	18.91	19.16	21.35	21.73	22.36		
10	1	23		18.32	18.45	19.40	18.52	18.98	19.10	21.43	21.73	22.26		
10	24	0		22.82	23.18	23.97	23.00	23.54	23.77	25.92	26.37	26.88		
10	1	1	QPSK	24.45	24.54	25.46	24.47	25.03	25.22	27.47	27.80	28.35	30.65	1.1614
10	1	22		24.26	24.55	25.37	24.52	25.14	25.23	27.40	27.87	28.31		
10	12	6		24.30	24.60	25.39	24.49	25.04	25.20	27.41	27.84	28.31		
10	1	0		17.81	17.96	18.96	17.94	18.58	18.72	20.89	21.29	21.85		
10	1	23		17.80	18.08	18.94	18.04	18.51	18.56	20.93	21.31	21.76		
10	24	0		22.42	22.56	23.43	22.44	22.92	23.20	25.44	25.75	26.33		
10	1	1	16-QAM	23.47	23.61	24.66	23.67	24.12	24.43	26.58	26.88	27.56	29.86	0.9683
10	1	1	64-QAM	21.19	21.41	22.34	21.38	21.94	22.14	24.30	24.69	25.25		
10	1	1	256-QAM	18.45	18.65	19.64	18.67	19.08	19.31	21.57	21.88	22.49		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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	BPSK	24.43	24.81	25.52	24.72	25.13	25.05	27.59	27.98	28.30	30.66	1.1641
15	1	36		24.41	24.75	25.49	24.70	25.10	25.17	27.57	27.94	28.34		
15	18	9		24.54	24.67	25.54	24.63	25.07	25.15	27.60	27.88	28.36		
15	1	0		18.28	18.79	19.44	18.80	19.23	19.13	21.56	22.03	22.30		
15	1	37		18.36	18.70	19.50	18.54	19.12	19.20	21.46	21.93	22.36		
15	36	0		22.90	23.33	23.92	23.16	23.71	23.67	26.04	26.53	26.81		
15	1	1	QPSK	24.54	24.78	25.52	24.71	25.07	25.23	27.64	27.94	28.39	30.72	1.1803
15	1	36		24.43	24.74	25.57	24.66	25.19	25.25	27.56	27.98	28.42		
15	18	9		24.48	24.65	25.49	24.70	25.19	25.19	27.60	27.94	28.35		
15	1	0		17.88	18.33	18.91	18.18	18.66	18.65	21.04	21.51	21.79		
15	1	37		17.86	18.22	19.04	18.15	18.64	18.81	21.02	21.45	21.94		
15	36	0		22.47	22.79	23.49	22.63	23.11	23.20	25.56	25.96	26.36		
15	1	1	16-QAM	23.64	23.78	24.63	23.92	24.28	24.42	26.79	27.05	27.54	29.84	0.9638
15	1	1	64-QAM	21.48	21.66	22.42	21.77	22.04	22.15	24.64	24.86	25.30		
15	1	1	256-QAM	18.56	18.94	19.56	18.77	19.29	19.36	21.68	22.13	22.47		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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	BPSK	24.59	24.88	25.38	24.66	25.19	25.24	27.64	28.05	28.32	30.68	1.1695
20	1	49		24.66	24.83	25.35	24.70	25.11	25.15	27.69	27.98	28.26		
20	25	12		24.60	24.77	25.47	24.66	25.08	25.26	27.64	27.94	28.38		
20	1	0		18.50	18.70	19.43	18.65	19.04	19.18	21.59	21.88	22.32		
20	1	50		17.49	18.71	19.44	18.60	19.15	19.15	21.09	21.95	22.31		
20	50	0		22.95	23.22	23.96	23.25	23.59	23.82	26.11	26.42	26.90		
20	1	1	QPSK	24.42	24.80	25.31	24.75	25.21	25.23	27.60	28.02	28.28	30.68	1.1695
20	1	49		24.43	24.66	25.38	24.78	25.15	25.28	27.62	27.92	28.34		
20	25	12		24.51	24.73	25.51	24.69	25.07	25.22	27.61	27.91	28.38		
20	1	0		18.00	18.21	18.83	17.98	18.69	18.73	21.00	21.47	21.79		
20	1	50		18.02	18.22	19.08	18.11	18.54	18.69	21.08	21.39	21.90		
20	50	0		22.49	22.76	23.49	22.60	23.05	23.19	25.56	25.92	26.35		
20	1	1	16-QAM	23.38	23.94	24.45	23.79	24.24	24.37	26.60	27.10	27.42	29.72	0.9376
20	1	1	64-QAM	21.50	21.59	22.33	21.76	21.99	22.21	24.64	24.80	25.28		
20	1	1	256-QAM	18.93	19.28	19.75	19.05	19.58	19.68	22.00	22.44	22.73		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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	BPSK	24.63	24.76	25.32	24.86	25.04	25.13	27.76	27.91	28.24	30.68	1.1695
30	1	76		24.70	24.88	25.46	24.65	25.27	25.28	27.69	28.09	28.38		
30	36	18		24.54	24.67	25.39	24.71	25.11	25.15	27.64	27.91	28.28		
30	1	0		18.69	18.81	19.43	18.55	19.13	19.14	21.63	21.98	22.30		
30	1	77		18.59	18.74	19.45	18.74	19.06	19.29	21.68	21.91	22.38		
30	75	0		23.10	23.27	24.01	23.12	23.71	23.74	26.12	26.51	26.89		
30	1	1	QPSK	24.57	24.72	25.20	24.62	25.12	25.12	27.61	27.93	28.17	30.69	1.1722
30	1	76		24.52	24.94	25.38	24.66	25.19	25.37	27.60	28.08	28.39		
30	36	18		24.52	24.71	25.49	24.55	25.11	25.25	27.55	27.92	28.38		
30	1	0		17.79	18.23	18.81	18.11	18.52	18.70	20.96	21.39	21.77		
30	1	77		17.99	18.23	19.14	18.11	18.67	18.84	21.06	21.47	22.00		
30	75	0		22.56	22.66	23.54	22.68	23.10	23.30	25.63	25.90	26.43		
30	1	1	16-QAM	23.68	23.84	24.49	23.92	24.26	24.33	26.81	27.07	27.42	29.72	0.9376
30	1	1	64-QAM	21.52	21.53	22.19	21.72	21.89	22.02	24.63	24.72	25.12		
30	1	1	256-QAM	18.89	19.17	19.83	19.13	19.61	19.64	22.02	22.41	22.75		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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	BPSK	24.61	24.81	25.42	24.69	25.15	25.23	27.66	27.99	28.34	30.66	1.1641
40	1	104		24.70	24.88	25.39	24.79	25.20	25.30	27.76	28.05	28.36		
40	50	25		24.53	24.70	25.32	24.63	25.11	25.31	27.59	27.92	28.33		
40	1	0		18.65	18.79	19.30	18.49	19.14	19.29	21.58	21.98	22.31		
40	1	105		18.78	18.77	19.80	18.58	19.12	19.36	21.69	21.96	22.60		
40	100	0		22.52	23.26	24.14	22.66	23.65	23.99	25.60	26.47	27.08		
40	1	1	QPSK	24.75	24.85	25.49	24.68	25.20	25.29	27.73	28.04	28.40	30.75	1.1885
40	1	104		24.56	24.79	25.48	24.72	25.13	25.39	27.65	27.97	28.45		
40	50	25		24.64	24.68	25.48	24.89	25.11	25.36	27.78	27.91	28.43		
40	1	0		17.88	18.35	18.88	18.16	18.61	18.67	21.03	21.49	21.79		
40	1	105		17.95	18.32	19.41	18.10	18.51	18.92	21.04	21.43	22.18		
40	100	0		22.57	22.78	23.55	22.63	23.14	23.30	25.61	25.97	26.44		
40	1	1	16-QAM	23.40	23.90	24.56	23.73	24.13	24.44	26.58	27.03	27.51	29.81	0.9572
40	1	1	64-QAM	21.25	21.83	22.26	21.39	22.19	22.12	24.33	25.02	25.20		
40	1	1	256-QAM	18.69	19.30	19.54	18.91	19.64	19.43	21.81	22.48	22.50		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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)
50	1	1	BPSK	24.74	24.59	25.13	24.69	25.11	24.97	27.73	27.87	28.06	30.62	1.1535
50	1	131		24.68	24.77	25.33	24.66	25.11	25.28	27.68	27.95	28.32		
50	64	32		24.37	24.80	25.31	24.50	25.42	25.21	27.45	28.13	28.27		
50	1	0		18.28	18.56	18.98	18.47	19.05	18.88	21.39	21.82	21.94		
50	1	132		18.32	18.61	19.60	18.56	18.97	19.15	21.45	21.80	22.39		
50	128	0		22.97	23.28	23.88	23.12	23.81	23.66	26.06	26.56	26.78		
50	1	1	QPSK	24.28	24.71	25.21	24.45	25.15	25.08	27.38	27.95	28.16	30.62	1.1535
50	1	131		24.24	24.70	25.30	24.46	25.13	25.22	27.36	27.93	28.27		
50	64	32		24.32	24.50	25.41	24.53	25.15	25.21	27.44	27.85	28.32		
50	1	0		17.97	18.03	18.60	17.95	18.63	18.45	20.97	21.35	21.54		
50	1	132		17.83	18.21	19.27	18.06	18.51	18.61	20.96	21.37	21.96		
50	128	0		23.32	23.00	23.37	22.66	23.10	23.12	26.01	26.06	26.26		
50	1	1	16-QAM	23.42	23.68	24.14	23.74	24.21	24.09	26.59	26.96	27.13	29.43	0.8770
50	1	1	64-QAM	21.39	21.55	22.08	21.48	22.04	21.98	24.45	24.81	25.04		
50	1	1	256-QAM	18.95	19.25	19.49	19.00	19.58	19.41	21.99	22.43	22.46		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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)
60	1	1	BPSK	24.62	24.56	24.99	24.66	25.15	24.88	27.65	27.88	27.95	30.52	1.1272
60	1	160		24.51	24.80	25.30	24.70	25.07	25.12	27.62	27.95	28.22		
60	81	40		24.32	24.54	25.19	24.52	25.16	25.20	27.43	27.87	28.21		
60	1	0		18.31	18.49	18.69	18.59	19.19	18.98	21.46	21.86	21.85		
60	1	161		17.96	18.63	19.55	18.61	19.11	19.19	21.31	21.89	22.38		
60	162	0		22.76	23.14	23.84	23.20	23.65	23.68	26.00	26.41	26.77		
60	1	1	QPSK	24.36	24.62	24.86	24.40	25.11	24.96	27.39	27.88	27.92	30.52	1.1272
60	1	160		24.40	24.69	25.31	24.48	25.07	25.10	27.45	27.89	28.22		
60	81	40		24.49	24.56	25.21	24.69	25.11	25.20	27.60	27.85	28.22		
60	1	0		17.87	18.05	18.10	17.97	18.52	18.43	20.93	21.30	21.28		
60	1	161		17.88	18.22	19.20	17.93	18.63	18.64	20.92	21.44	21.94		
60	162	0		22.35	22.66	23.31	22.53	23.11	23.24	25.45	25.90	26.29		
60	1	1	16-QAM	23.31	23.70	23.76	23.49	24.13	24.04	26.41	26.93	26.91	29.23	0.8375
60	1	1	64-QAM	21.33	21.69	21.72	21.48	22.14	21.98	24.42	24.93	24.86		
60	1	1	256-QAM	18.69	19.19	19.29	18.99	19.57	19.42	21.85	22.39	22.37		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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)
80	1	1	BPSK	24.50	24.49	24.55	24.30	24.89	24.86	27.41	27.70	27.72	30.42	1.1015
80	1	215		24.33	24.92	25.21	24.27	24.87	25.00	27.31	27.91	28.12		
80	108	54		24.26	24.40	24.98	24.37	25.09	25.05	27.33	27.77	28.03		
80	1	0		18.27	18.46	18.03	18.23	18.85	18.59	21.26	21.67	21.33		
80	1	216		18.52	18.84	19.49	18.29	18.94	19.07	21.42	21.90	22.30		
80	216	0		22.64	23.07	23.58	22.86	23.47	23.58	25.76	26.28	26.59		
80	1	1	QPSK	24.32	24.51	24.71	24.25	24.89	24.79	27.30	27.71	27.76	30.51	1.1246
80	1	215		24.22	24.82	25.25	24.22	24.84	25.02	27.23	27.84	28.15		
80	108	54		24.29	24.58	25.27	24.35	25.05	25.12	27.33	27.83	28.21		
80	1	0		17.79	17.94	17.63	17.75	18.38	18.14	20.78	21.18	20.90		
80	1	216		17.73	18.36	19.00	17.78	18.39	18.64	20.77	21.39	21.83		
80	216	0		22.73	22.55	22.92	22.37	22.93	23.06	25.56	25.75	26.00		
80	1	1	16-QAM	23.21	23.57	23.22	23.33	23.97	23.84	26.28	26.78	26.55	29.08	0.8091
80	1	1	64-QAM	21.34	21.42	21.05	21.34	21.87	21.61	24.35	24.66	24.35		
80	1	1	256-QAM	18.77	18.91	18.55	18.89	19.31	19.15	21.84	22.12	21.87		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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)
90	1	1	BPSK	24.33	24.45	24.86	24.27	24.95	24.67	27.31	27.72	27.78	30.29	1.0691
90	1	243		24.52	24.50	24.95	24.44	24.70	25.00	27.49	27.61	27.99		
90	120	60		24.23	24.57	24.83	24.43	25.00	24.97	27.34	27.80	27.91		
90	1	0		18.04	18.31	17.95	18.28	18.91	18.67	21.17	21.63	21.34		
90	1	244		17.87	18.98	19.56	18.40	18.97	19.11	21.15	21.99	22.35		
90	243	0		22.63	23.04	23.37	22.91	23.48	23.52	25.78	26.28	26.46		
90	1	1	QPSK	24.10	24.33	24.66	24.29	24.97	24.76	27.21	27.67	27.72	30.40	1.0965
90	1	243		24.14	24.81	25.05	24.45	24.97	25.13	27.31	27.90	28.10		
90	120	60		24.23	24.42	24.86	24.35	24.99	24.97	27.30	27.72	27.93		
90	1	0		18.00	17.91	18.00	17.72	18.54	18.14	20.87	21.25	21.08		
90	1	244		17.93	18.43	17.99	17.95	18.43	18.61	20.95	21.44	21.32		
90	243	0		22.13	22.57	22.93	22.38	22.94	22.98	25.27	25.77	25.97		
90	1	1	16-QAM	23.16	23.50	23.06	23.44	24.12	23.76	26.31	26.83	26.43	29.13	0.8185
90	1	1	64-QAM	21.30	21.33	20.95	21.43	21.85	21.71	24.38	24.61	24.36		
90	1	1	256-QAM	18.87	18.85	18.78	18.82	19.33	19.12	21.86	22.11	21.96		
Limit	EIRP < 2W			Result									Pass	

NR n41 (PC1.5) Maximum Average Power [dBm], DG = 2.3 dBi														
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)
100	1	1	BPSK	24.70	24.51	24.73	24.31	24.98	24.74	27.52	27.76	27.75	30.31	1.0740
100	1	271		24.53	24.91	24.88	24.49	25.01	25.11	27.52	27.97	28.01		
100	135	67		24.50	24.44	24.86	24.44	24.99	24.95	27.48	27.73	27.92		
100	1	0		18.70	18.50	17.89	17.80	18.94	18.75	21.28	21.74	21.35		
100	1	272		18.73	18.93	18.90	17.92	18.98	19.20	21.35	21.97	22.06		
100	270	0		22.19	22.94	23.27	22.43	23.40	23.50	25.32	26.19	26.40		
100	1	1	QPSK	24.01	24.53	23.90	24.31	24.93	24.70	27.17	27.74	27.33	30.37	1.0889
100	1	271		24.21	25.08	25.11	24.48	24.94	25.00	27.36	28.02	28.07		
100	135	67		24.21	24.45	24.77	24.53	25.00	24.96	27.38	27.74	27.88		
100	1	0		17.97	17.94	17.51	17.86	18.48	18.20	20.93	21.23	20.88		
100	1	272		17.96	18.45	18.90	17.94	18.65	18.58	20.96	21.56	21.75		
100	270	0		22.23	22.55	22.82	22.41	22.92	22.98	25.33	25.75	25.91		
100	1	1	16-QAM	23.12	23.67	23.08	23.31	24.21	23.87	26.23	26.96	26.50	29.26	0.8433
100	1	1	64-QAM	20.96	21.39	21.00	21.07	21.92	21.67	24.03	24.67	24.36		
100	1	1	256-QAM	18.90	18.87	18.89	18.85	19.40	19.22	21.89	22.15	22.07		
Limit	EIRP < 2W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	24.82	25.07	24.66	25.19	25.14	25.46	28.02	28.12	28.09	29.29	0.8492
10	1	22		25.10	25.05	24.62	25.30	25.31	25.53	28.21	28.19	28.11		
10	12	6		24.97	25.25	24.58	25.29	25.31	25.49	28.14	28.29	28.07		
10	1	0		18.95	19.21	18.89	19.17	19.23	19.44	22.07	22.23	22.18		
10	1	23		19.02	19.12	18.99	19.11	19.19	19.47	22.08	22.17	22.25		
10	24	0		23.57	23.74	22.77	23.72	23.73	24.08	26.66	26.75	26.48		
10	1	1	QPSK	24.81	24.46	24.36	25.16	25.18	25.48	28.00	27.85	27.97	29.19	0.8299
10	1	22		24.90	24.36	24.31	25.20	25.17	25.44	28.06	27.79	27.92		
10	12	6		25.03	24.34	24.32	25.32	25.30	25.53	28.19	27.86	27.98		
10	1	0		18.39	17.74	17.79	18.74	18.64	18.89	21.58	21.22	21.39		
10	1	23		18.62	17.73	17.75	18.66	18.73	19.12	21.65	21.27	21.50		
10	24	0		23.01	22.31	22.34	23.21	23.21	23.35	26.12	25.79	25.88		
10	1	1	16-QAM	24.23	23.46	23.24	24.31	24.33	24.62	27.28	26.93	26.99	28.28	0.6730
10	1	1	64-QAM	21.71	21.13	21.08	22.18	22.16	22.30	24.96	24.69	24.74		
10	1	1	256-QAM	19.22	19.00	18.89	19.48	19.37	19.62	22.36	22.20	22.28		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	24.59	24.61	24.54	25.46	25.41	25.70	28.06	28.04	28.17	29.32	0.8551
15	1	36		24.47	24.54	24.74	25.31	25.44	25.82	27.92	28.02	28.32		
15	18	9		24.59	24.70	24.65	25.51	25.41	25.82	28.08	28.08	28.28		
15	1	0		18.39	18.91	18.34	19.37	19.28	19.82	21.92	22.11	22.15		
15	1	37		18.76	18.60	18.57	19.48	19.35	19.73	22.15	22.00	22.20		
15	36	0		23.06	23.22	23.15	23.88	24.02	24.31	26.50	26.65	26.78		
15	1	1	QPSK	24.81	24.98	24.58	25.33	25.42	25.71	28.09	28.22	28.19	29.29	0.8492
15	1	36		24.83	24.95	24.78	25.41	25.30	25.73	28.14	28.14	28.29		
15	18	9		24.68	24.80	24.72	25.45	25.46	25.74	28.09	28.15	28.27		
15	1	0		17.96	18.38	18.15	18.97	18.90	19.16	21.50	21.66	21.69		
15	1	37		18.33	18.01	18.30	18.83	18.86	19.35	21.60	21.47	21.87		
15	36	0		22.66	22.88	22.73	23.37	23.42	23.74	26.04	26.17	26.27		
15	1	1	16-QAM	23.72	23.82	23.71	24.49	24.37	24.79	27.13	27.11	27.29	28.29	0.6745
15	1	1	64-QAM	21.81	21.68	21.73	22.54	22.29	22.84	25.20	25.01	25.33		
15	1	1	256-QAM	19.17	19.10	19.05	19.84	19.54	19.98	22.53	22.34	22.55		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	24.75	25.05	24.98	25.39	25.42	25.69	28.09	28.25	28.36	29.42	0.8750
20	1	49		24.94	24.99	24.98	25.43	25.33	25.68	28.20	28.17	28.35		
20	25	12		24.79	24.87	25.12	25.39	25.36	25.68	28.11	28.13	28.42		
20	1	0		18.52	18.96	18.84	19.35	19.22	19.60	21.97	22.10	22.25		
20	1	50		18.94	18.79	19.09	19.34	19.22	19.62	22.15	22.02	22.37		
20	50	0		23.27	23.31	23.54	23.90	23.91	24.29	26.61	26.63	26.94		
20	1	1	QPSK	24.81	24.74	25.06	25.43	25.29	25.67	28.14	28.03	28.39	29.39	0.8690
20	1	49		24.75	24.88	24.93	25.36	25.39	25.68	28.08	28.15	28.33		
20	25	12		24.75	24.87	24.96	25.39	25.37	25.68	28.09	28.14	28.35		
20	1	0		18.01	18.42	18.41	18.93	18.71	19.22	21.50	21.58	21.84		
20	1	50		18.37	18.36	18.38	18.81	18.85	18.95	21.61	21.62	21.68		
20	50	0		22.82	22.95	23.05	23.38	23.38	23.73	26.12	26.18	26.41		
20	1	1	16-QAM	23.82	23.78	24.19	24.63	24.34	24.89	27.25	27.08	27.56	28.56	0.7178
20	1	1	64-QAM	21.74	21.77	21.80	22.53	22.43	22.58	25.16	25.12	25.22		
20	1	1	256-QAM	18.94	19.51	19.25	19.63	19.77	19.76	22.31	22.65	22.52		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	25.26	25.22	25.22	25.55	25.40	25.70	28.42	28.32	28.48	29.50	0.8913
30	1	76		25.21	25.01	25.15	25.24	25.46	25.80	28.24	28.25	28.50		
30	36	18		25.07	25.19	25.26	25.17	25.36	25.69	28.13	28.29	28.49		
30	1	0		18.92	19.29	19.11	19.29	19.33	19.75	22.12	22.32	22.45		
30	1	77		19.13	19.11	19.38	19.26	19.32	19.65	22.21	22.23	22.53		
30	75	0		23.50	23.68	23.71	23.79	23.83	24.31	26.66	26.77	27.03		
30	1	1	QPSK	25.21	25.14	25.02	25.26	25.39	25.62	28.25	28.28	28.34	29.48	0.8872
30	1	76		24.84	25.07	25.17	25.32	25.36	25.75	28.10	28.23	28.48		
30	36	18		25.00	25.14	25.22	25.24	25.28	25.69	28.13	28.22	28.47		
30	1	0		18.65	18.88	18.62	18.88	18.91	19.30	21.78	21.91	21.98		
30	1	77		18.64	18.62	18.71	18.84	18.78	19.26	21.75	21.71	22.00		
30	75	0		22.90	23.14	23.29	23.29	23.40	23.73	26.11	26.28	26.53		
30	1	1	16-QAM	23.99	24.42	24.07	24.32	24.62	24.81	27.17	27.53	27.47	28.53	0.7129
30	1	1	64-QAM	22.14	22.36	22.22	22.26	22.41	22.78	25.21	25.40	25.52		
30	1	1	256-QAM	19.42	19.66	19.33	19.59	19.73	19.82	22.52	22.71	22.59		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	25.18	25.39	25.20	25.56	25.45	25.52	28.38	28.43	28.37	29.51	0.8933
40	1	104		25.35	25.08	25.32	25.46	25.55	25.67	28.42	28.33	28.51		
40	50	25		25.16	25.34	25.05	25.29	25.41	25.62	28.24	28.39	28.35		
40	1	0		19.41	19.53	19.03	19.51	19.43	19.56	22.47	22.49	22.31		
40	1	105		19.44	19.09	19.31	19.36	19.52	19.62	22.41	22.32	22.48		
40	100	0		23.64	23.94	23.58	23.84	23.92	24.11	26.75	26.94	26.86		
40	1	1	QPSK	25.38	25.29	25.18	25.46	25.47	25.54	28.43	28.39	28.37	29.46	0.8831
40	1	104		25.28	25.07	25.18	25.37	25.43	25.71	28.34	28.26	28.46		
40	50	25		25.18	25.18	25.09	25.33	25.36	25.63	28.27	28.28	28.38		
40	1	0		18.64	18.83	18.76	19.06	18.97	18.95	21.87	21.91	21.87		
40	1	105		19.00	18.55	18.84	18.98	18.99	19.13	22.00	21.79	22.00		
40	100	0		23.10	23.36	23.14	23.52	23.42	23.68	26.33	26.40	26.43		
40	1	1	16-QAM	24.59	24.56	24.18	24.72	24.80	24.64	27.67	27.69	27.43	28.69	0.7396
40	1	1	64-QAM	22.20	22.26	22.34	22.54	22.58	22.64	25.38	25.43	25.50		
40	1	1	256-QAM	19.38	19.39	19.63	19.67	19.59	20.10	22.54	22.50	22.88		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	24.80	24.99	25.14	25.23	25.07	25.37	28.03	28.04	28.27	29.32	0.8551
50	1	131		25.21	24.90	25.07	25.21	25.17	25.54	28.22	28.05	28.32		
50	64	32		25.08	25.05	24.95	25.10	25.12	25.62	28.10	28.10	28.31		
50	1	0		18.84	18.86	18.87	19.21	19.07	19.51	22.04	21.98	22.21		
50	1	132		19.12	18.73	19.15	19.24	19.21	19.54	22.19	21.99	22.36		
50	128	0		23.54	23.54	23.54	23.61	23.61	23.94	26.59	26.59	26.75		
50	1	1	QPSK	24.95	24.76	25.03	25.25	25.17	25.38	28.11	27.98	28.22	29.28	0.8472
50	1	131		25.08	24.89	25.09	25.18	25.13	25.45	28.14	28.02	28.28		
50	64	32		25.15	25.00	24.99	25.09	25.23	25.48	28.13	28.13	28.25		
50	1	0		18.50	18.45	18.37	18.75	18.63	19.04	21.64	21.55	21.73		
50	1	132		18.74	18.41	18.55	18.71	18.65	18.97	21.74	21.54	21.78		
50	128	0		23.14	23.01	23.07	23.13	23.10	23.44	26.15	26.07	26.27		
50	1	1	16-QAM	24.26	24.14	24.09	24.49	24.16	24.41	27.39	27.16	27.26	28.39	0.6902
50	1	1	64-QAM	22.17	21.74	21.90	22.31	21.99	22.44	25.25	24.88	25.19		
50	1	1	256-QAM	18.97	19.29	19.41	19.33	19.20	19.79	22.16	22.26	22.61		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	24.85	25.04	25.04	25.09	25.02	25.24	27.98	28.04	28.15	29.31	0.8531
60	1	160		24.97	25.00	25.01	25.19	25.12	25.27	28.09	28.07	28.15		
60	81	40		25.06	25.14	25.18	25.19	25.13	25.41	28.14	28.15	28.31		
60	1	0		19.06	19.06	19.05	19.09	19.00	19.31	22.09	22.04	22.19		
60	1	161		19.38	18.90	19.11	19.14	19.14	19.16	22.27	22.03	22.15		
60	162	0		23.60	23.59	23.45	23.78	23.59	23.83	26.70	26.60	26.65		
60	1	1	QPSK	25.11	24.81	24.91	25.05	24.97	25.25	28.09	27.90	28.09	29.34	0.8590
60	1	160		25.38	24.85	25.02	25.27	25.05	25.21	28.34	27.96	28.13		
60	81	40		25.14	24.95	25.01	25.25	25.13	25.35	28.21	28.05	28.19		
60	1	0		18.69	18.29	18.51	18.72	18.46	18.78	21.72	21.39	21.66		
60	1	161		18.65	18.51	18.56	18.91	18.66	18.79	21.79	21.60	21.69		
60	162	0		23.17	23.04	22.99	23.25	23.15	23.34	26.22	26.11	26.18		
60	1	1	16-QAM	24.28	23.96	23.89	24.19	24.13	24.34	27.25	27.06	27.13	28.25	0.6683
60	1	1	64-QAM	22.27	21.71	21.96	22.28	21.98	22.46	25.29	24.86	25.23		
60	1	1	256-QAM	19.63	19.40	19.50	19.63	19.45	19.76	22.64	22.44	22.64		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	24.68	24.58	24.52	24.97	24.98	25.09	27.84	27.79	27.82	28.98	0.7907
70	1	187		24.69	24.50	24.61	24.95	25.01	25.12	27.83	27.77	27.88		
70	90	45		24.88	24.77	24.73	25.03	25.04	25.19	27.97	27.92	27.98		
70	1	0		18.85	18.57	18.59	19.01	19.10	19.10	21.94	21.85	21.86		
70	1	188		18.57	18.36	18.60	18.79	18.91	19.11	21.69	21.65	21.87		
70	180	0		23.36	23.13	23.19	23.51	23.58	23.77	26.45	26.37	26.50		
70	1	1	QPSK	24.92	24.52	24.80	24.89	24.87	25.04	27.92	27.71	27.93	28.99	0.7925
70	1	187		24.79	24.70	24.68	24.80	24.95	25.20	27.81	27.84	27.96		
70	90	45		24.93	24.73	24.72	25.02	25.06	25.14	27.99	27.91	27.95		
70	1	0		18.39	18.16	18.16	18.37	18.47	18.57	21.39	21.33	21.38		
70	1	188		18.10	17.90	18.10	18.39	18.67	18.59	21.26	21.31	21.36		
70	180	0		22.87	22.66	22.72	22.92	23.09	23.22	25.91	25.89	25.99		
70	1	1	16-QAM	23.84	23.81	23.98	24.13	24.06	24.27	27.00	26.95	27.14	28.14	0.6516
70	1	1	64-QAM	21.80	21.50	21.88	21.80	22.02	22.18	24.81	24.78	25.04		
70	1	1	256-QAM	18.95	18.85	18.97	19.00	19.33	19.29	21.99	22.11	22.14		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	24.79	24.72	24.74	24.95	24.84	25.03	27.88	27.79	27.90	29.15	0.8222
80	1	215		24.86	24.66	25.01	24.93	24.97	25.19	27.91	27.83	28.11		
80	108	54		24.81	24.89	24.96	25.10	25.25	25.32	27.97	28.08	28.15		
80	1	0		18.58	18.53	18.76	18.89	18.94	19.01	21.75	21.75	21.90		
80	1	216		18.66	18.54	18.85	18.89	19.18	19.12	21.79	21.88	22.00		
80	216	0		23.33	23.33	23.46	23.54	23.56	23.74	26.45	26.46	26.61		
80	1	1	QPSK	24.51	24.55	24.70	24.86	24.83	25.13	27.70	27.70	27.93	29.20	0.8318
80	1	215		24.50	24.71	24.91	24.94	25.09	25.17	27.74	27.91	28.05		
80	108	54		24.83	24.88	24.99	25.10	25.07	25.39	27.98	27.99	28.20		
80	1	0		18.27	18.04	18.29	18.44	18.52	18.54	21.37	21.30	21.43		
80	1	216		18.18	18.22	18.29	18.38	18.55	18.84	21.29	21.40	21.58		
80	216	0		22.88	22.85	23.04	23.04	23.08	23.28	25.97	25.98	26.17		
80	1	1	16-QAM	23.94	23.66	23.82	24.19	24.02	24.16	27.08	26.85	27.00	28.08	0.6427
80	1	1	64-QAM	21.39	21.39	21.72	21.74	21.68	21.86	24.58	24.55	24.80		
80	1	1	256-QAM	19.19	19.28	19.10	19.10	19.32	19.25	22.16	22.31	22.19		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	24.98	24.87	24.88	24.92	24.93	25.06	27.96	27.91	27.98	29.00	0.7943
90	1	243		24.78	25.00	24.80	25.02	24.98	25.16	27.91	28.00	27.99		
90	120	60		24.03	24.31	24.33	25.07	25.06	25.40	27.59	27.71	27.91		
90	1	0		17.99	17.77	17.83	18.80	18.75	19.03	21.42	21.30	21.48		
90	1	244		17.84	17.95	18.25	18.90	19.01	19.14	21.41	21.52	21.73		
90	243	0		22.34	22.63	22.81	23.53	23.61	23.88	25.99	26.16	26.39		
90	1	1	QPSK	24.89	24.86	24.70	24.87	24.86	24.97	27.89	27.87	27.85	29.00	0.7943
90	1	243		24.12	24.75	24.32	25.01	25.10	25.15	27.60	27.94	27.77		
90	120	60		24.57	24.72	24.42	25.00	25.05	25.50	27.80	27.90	28.00		
90	1	0		18.35	18.24	18.50	18.30	18.39	18.52	21.34	21.33	21.52		
90	1	244		18.25	18.30	18.10	18.41	18.53	18.67	21.34	21.43	21.40		
90	243	0		22.00	22.11	22.28	22.97	22.98	23.34	25.52	25.58	25.85		
90	1	1	16-QAM	23.27	23.26	22.92	24.11	24.22	24.12	26.72	26.78	26.57	27.78	0.5998
90	1	1	64-QAM	21.07	21.00	20.99	21.89	21.85	21.96	24.51	24.46	24.51		
90	1	1	256-QAM	18.95	19.00	18.65	19.39	19.36	19.47	22.19	22.19	22.09		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	24.90	24.89	24.98	24.83	24.79	24.88	27.88	27.85	27.94	29.00	0.7943
100	1	271		24.83	24.70	24.76	24.96	25.01	25.21	27.91	27.87	28.00		
100	135	67		24.51	24.32	24.62	25.18	25.08	25.25	27.87	27.73	27.96		
100	1	0		17.93	17.98	18.31	18.86	18.72	18.84	21.43	21.38	21.59		
100	1	272		18.11	18.07	18.54	18.89	19.01	19.16	21.53	21.58	21.87		
100	270	0		22.91	22.71	23.01	23.53	23.52	23.73	26.24	26.14	26.40		
100	1	1	QPSK	24.76	24.80	24.78	24.79	24.70	24.85	27.79	27.76	27.83	28.94	0.7834
100	1	271		24.45	24.31	24.69	25.09	24.96	25.15	27.79	27.66	27.94		
100	135	67		24.28	24.31	24.53	25.05	25.02	25.25	27.69	27.69	27.92		
100	1	0		18.00	17.83	17.83	18.37	18.31	18.47	21.20	21.09	21.17		
100	1	272		17.99	17.81	18.10	18.56	18.60	18.78	21.29	21.23	21.46		
100	270	0		21.45	22.22	22.58	23.11	23.14	23.24	25.37	25.71	25.93		
100	1	1	16-QAM	23.29	23.03	23.63	24.24	24.02	24.28	26.80	26.56	26.98	27.98	0.6281
100	1	1	64-QAM	20.93	21.12	21.38	22.15	21.69	21.94	24.59	24.42	24.68		
100	1	1	256-QAM	18.75	18.65	18.77	18.98	18.88	19.32	21.88	21.78	22.06		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	25.08	25.05	24.93	24.88	24.96	24.95	27.99	28.02	27.95	29.14	0.8204
10	1	22		25.04	25.04	24.99	24.82	24.97	25.18	27.94	28.02	28.10		
10	12	6		24.95	25.07	25.00	24.83	25.13	25.26	27.90	28.11	28.14		
10	1	0		19.07	18.82	19.04	18.74	18.97	19.11	21.92	21.91	22.09		
10	1	23		18.89	18.78	19.12	18.73	19.06	19.05	21.82	21.93	22.10		
10	24	0		23.47	23.49	23.64	23.35	23.55	23.70	26.42	26.53	26.68		
10	1	1	QPSK	24.83	24.90	24.89	24.85	24.98	25.06	27.85	27.95	27.99	29.20	0.8318
10	1	22		25.21	24.99	24.93	24.83	25.01	25.30	28.03	28.01	28.13		
10	12	6		24.96	25.04	25.13	24.91	25.08	25.25	27.95	28.07	28.20		
10	1	0		18.29	18.36	18.20	18.24	18.58	18.51	21.28	21.48	21.37		
10	1	23		18.36	18.26	18.19	18.23	18.54	18.71	21.31	21.41	21.47		
10	24	0		23.01	22.96	23.06	22.82	23.08	23.27	25.93	26.03	26.18		
10	1	1	16-QAM	24.16	24.05	24.08	23.91	24.19	24.21	27.05	27.13	27.16	28.16	0.6546
10	1	1	64-QAM	21.86	21.78	21.79	21.64	21.91	21.97	24.76	24.86	24.89		
10	1	1	256-QAM	19.33	19.13	19.24	19.15	19.07	19.47	22.25	22.11	22.37		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	24.90	24.94	24.89	24.86	24.94	24.99	27.89	27.95	27.95	29.10	0.8128
15	1	36		24.89	25.05	24.94	24.74	25.13	25.15	27.83	28.10	28.06		
15	18	9		24.85	25.10	25.04	24.90	25.00	25.12	27.89	28.06	28.09		
15	1	0		18.77	18.92	18.93	18.77	18.87	18.94	21.78	21.91	21.95		
15	1	37		18.71	18.98	18.92	18.62	19.13	19.27	21.68	22.07	22.11		
15	36	0		23.43	23.66	23.47	23.30	23.56	23.60	26.38	26.62	26.55		
15	1	1	QPSK	24.92	24.96	24.96	24.84	24.97	25.03	27.89	27.98	28.01	29.12	0.8166
15	1	36		24.87	24.94	25.09	24.80	24.95	25.13	27.85	27.96	28.12		
15	18	9		24.91	25.14	24.81	24.84	25.08	25.15	27.89	28.12	27.99		
15	1	0		18.59	18.37	18.57	18.40	18.56	18.63	21.51	21.48	21.61		
15	1	37		18.18	18.76	18.60	18.24	18.54	18.69	21.22	21.66	21.66		
15	36	0		22.83	23.12	23.09	22.84	23.08	23.04	25.85	26.11	26.08		
15	1	1	16-QAM	24.19	24.19	24.24	23.95	24.24	24.35	27.08	27.23	27.31	28.31	0.6776
15	1	1	64-QAM	21.87	22.13	22.01	21.78	21.93	22.03	24.84	25.04	25.03		
15	1	1	256-QAM	19.38	19.32	19.09	19.35	19.17	19.22	22.38	22.26	22.17		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	24.97	25.09	24.98	24.82	25.00	24.97	27.91	28.06	27.99	29.13	0.8185
20	1	49		24.93	24.95	24.88	24.81	24.95	25.24	27.88	27.96	28.07		
20	25	12		25.02	25.11	25.05	24.81	25.13	25.12	27.93	28.13	28.10		
20	1	0		18.86	19.30	18.96	18.87	19.06	18.98	21.88	22.19	21.98		
20	1	50		18.75	19.08	19.02	18.67	18.99	19.13	21.72	22.05	22.09		
20	50	0		23.49	23.66	23.61	23.31	23.58	23.59	26.41	26.63	26.61		
20	1	1	QPSK	25.15	25.22	24.92	24.77	24.96	24.95	27.97	28.10	27.95	29.14	0.8204
20	1	49		24.65	24.97	25.00	24.80	25.07	25.26	27.74	28.03	28.14		
20	25	12		24.94	25.08	24.93	24.86	25.11	25.00	27.91	28.11	27.98		
20	1	0		18.38	18.57	18.42	18.20	18.40	18.43	21.30	21.50	21.44		
20	1	50		18.11	18.41	18.43	18.26	18.55	18.72	21.20	21.49	21.59		
20	50	0		22.94	23.07	23.05	22.81	23.03	23.10	25.89	26.06	26.09		
20	1	1	16-QAM	24.07	24.10	24.10	24.01	24.14	24.14	27.05	27.13	27.13	28.13	0.6501
20	1	1	64-QAM	21.91	21.85	21.87	21.69	22.07	21.79	24.81	24.97	24.84		
20	1	1	256-QAM	18.83	19.18	19.28	18.95	19.14	19.14	21.90	22.17	22.22		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	25.07	25.26	24.92	25.00	25.07	25.00	28.05	28.18	27.97	29.21	0.8337
30	1	76		25.04	25.01	25.11	24.91	25.24	25.24	27.99	28.14	28.19		
30	36	18		25.01	25.19	25.04	24.92	25.21	25.19	27.98	28.21	28.13		
30	1	0		18.99	18.97	19.08	18.95	19.23	18.97	21.98	22.11	22.04		
30	1	77		18.96	19.01	18.93	18.95	19.20	19.13	21.97	22.12	22.04		
30	75	0		23.52	23.80	23.61	23.49	23.68	23.72	26.52	26.75	26.68		
30	1	1	QPSK	25.01	25.13	24.97	24.96	25.07	25.06	28.00	28.11	28.03	29.26	0.8433
30	1	76		25.49	25.23	25.27	24.99	25.10	25.20	28.26	28.18	28.25		
30	36	18		25.06	25.27	25.07	24.94	25.13	25.17	28.01	28.21	28.13		
30	1	0		18.73	18.64	18.46	18.39	18.52	18.63	21.57	21.59	21.56		
30	1	77		18.87	18.66	18.53	18.43	18.64	18.66	21.67	21.66	21.61		
30	75	0		23.10	23.31	23.08	22.99	23.09	23.19	26.06	26.21	26.15		
30	1	1	16-QAM	24.03	24.19	24.31	24.09	24.11	24.34	27.07	27.16	27.34	28.34	0.6823
30	1	1	64-QAM	22.14	22.31	21.94	22.00	22.09	22.12	25.08	25.21	25.04		
30	1	1	256-QAM	19.34	19.65	19.42	19.15	19.65	19.53	22.26	22.66	22.49		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	25.46	25.40	25.03	25.02	25.02	25.21	28.26	28.22	28.13	29.26	0.8433
40	1	104		25.08	25.21	25.15	25.09	25.25	25.31	28.10	28.24	28.24		
40	50	25		25.10	25.25	25.01	25.01	25.22	25.09	28.07	28.25	28.06		
40	1	0		19.04	19.13	19.37	18.93	19.07	19.14	22.00	22.11	22.27		
40	1	105		19.16	19.55	19.28	19.04	19.17	19.44	22.11	22.37	22.37		
40	100	0		23.66	23.78	23.69	23.48	23.73	23.70	26.58	26.77	26.71		
40	1	1	QPSK	25.22	25.19	25.02	25.15	25.05	25.28	28.20	28.13	28.16	29.27	0.8453
40	1	104		25.16	25.27	25.10	25.24	25.24	25.27	28.21	28.27	28.20		
40	50	25		25.06	25.17	25.01	25.00	25.27	25.12	28.04	28.23	28.08		
40	1	0		18.73	18.86	18.66	18.51	18.44	18.60	21.63	21.67	21.64		
40	1	105		18.65	18.81	18.85	18.58	18.73	18.76	21.63	21.78	21.82		
40	100	0		23.14	23.25	23.12	23.08	23.19	23.21	26.12	26.23	26.18		
40	1	1	16-QAM	24.35	24.10	24.12	24.10	24.17	24.30	27.24	27.15	27.22	28.24	0.6668
40	1	1	64-QAM	22.30	22.43	21.93	22.08	22.04	22.06	25.20	25.25	25.01		
40	1	1	256-QAM	19.67	19.83	19.44	19.58	19.64	19.37	22.64	22.75	22.42		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	24.68	24.80	24.93	24.72	24.67	24.85	27.71	27.75	27.90	28.98	0.7907
50	1	131		24.87	24.89	24.79	24.88	24.91	24.91	27.89	27.91	27.86		
50	64	32		25.10	24.88	24.76	24.83	24.95	24.85	27.98	27.93	27.82		
50	1	0		18.66	18.99	18.87	18.59	18.81	18.97	21.64	21.91	21.93		
50	1	132		18.97	18.86	18.63	18.79	18.79	18.86	21.89	21.84	21.76		
50	128	0		23.33	23.47	23.24	23.31	23.35	23.43	26.33	26.42	26.35		
50	1	1	QPSK	24.93	24.87	24.71	24.86	24.74	25.01	27.91	27.82	27.87	29.00	0.7943
50	1	131		24.94	25.11	24.81	25.04	24.84	24.95	28.00	27.99	27.89		
50	64	32		24.87	24.93	24.74	24.85	24.89	24.92	27.87	27.92	27.84		
50	1	0		18.18	18.24	18.19	18.17	18.25	18.38	21.19	21.26	21.30		
50	1	132		18.51	18.20	18.15	18.34	18.22	18.46	21.44	21.22	21.32		
50	128	0		22.91	22.97	22.77	22.77	22.89	22.97	25.85	25.94	25.88		
50	1	1	16-QAM	23.82	24.09	24.22	23.93	24.05	24.11	26.89	27.08	27.18	28.18	0.6577
50	1	1	64-QAM	21.54	21.99	21.83	21.62	21.72	21.76	24.59	24.87	24.81		
50	1	1	256-QAM	19.30	18.90	19.19	19.11	19.01	19.31	22.22	21.97	22.26		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	24.66	24.68	24.59	24.71	24.60	24.95	27.70	27.65	27.78	29.04	0.8017
60	1	160		24.86	24.92	24.90	24.91	24.87	24.99	27.90	27.91	27.96		
60	81	40		24.94	25.11	24.88	24.85	24.94	24.92	27.91	28.04	27.91		
60	1	0		18.73	18.49	18.70	18.58	18.64	18.78	21.67	21.58	21.75		
60	1	161		19.02	18.66	18.97	18.81	18.84	18.92	21.93	21.76	21.96		
60	162	0		23.53	23.40	23.38	23.38	23.40	23.40	26.47	26.41	26.40		
60	1	1	QPSK	24.66	24.63	24.89	24.62	24.66	24.89	27.65	27.66	27.90	29.09	0.8110
60	1	160		25.13	24.82	25.08	24.96	24.90	25.07	28.06	27.87	28.09		
60	81	40		24.94	25.03	24.89	24.87	25.01	24.97	27.92	28.03	27.94		
60	1	0		18.29	18.32	18.19	18.09	18.04	18.26	21.20	21.19	21.24		
60	1	161		18.23	18.20	18.48	18.51	18.32	18.48	21.38	21.27	21.49		
60	162	0		23.01	22.98	22.88	22.94	22.83	22.96	25.99	25.92	25.93		
60	1	1	16-QAM	24.00	23.91	24.02	23.85	23.68	23.87	26.94	26.81	26.96	27.96	0.6252
60	1	1	64-QAM	21.61	21.57	21.63	21.71	21.62	21.74	24.67	24.61	24.70		
60	1	1	256-QAM	19.37	19.26	19.36	19.01	19.13	19.21	22.20	22.21	22.30		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	24.78	24.48	24.81	24.51	24.52	24.72	27.66	27.51	27.78	28.88	0.7727
70	1	187		24.55	24.71	24.77	24.65	24.60	24.88	27.61	27.67	27.84		
70	90	45		24.76	24.86	24.81	24.82	24.79	24.92	27.80	27.84	27.88		
70	1	0		18.48	18.43	18.54	18.50	18.40	18.57	21.50	21.43	21.57		
70	1	188		18.69	18.57	18.83	18.69	18.55	18.92	21.70	21.57	21.89		
70	180	0		23.28	23.34	23.34	23.18	23.35	23.27	26.24	26.36	26.32		
70	1	1	QPSK	24.67	24.73	24.74	24.53	24.55	24.69	27.61	27.65	27.73	28.87	0.7709
70	1	187		24.53	24.80	24.87	24.69	24.65	24.85	27.62	27.74	27.87		
70	90	45		24.77	24.89	24.86	24.82	24.78	24.79	27.81	27.85	27.84		
70	1	0		18.33	18.32	18.07	18.01	17.99	18.14	21.18	21.17	21.12		
70	1	188		18.22	18.44	18.41	18.07	18.01	18.24	21.16	21.24	21.34		
70	180	0		22.73	22.79	22.86	22.78	22.82	22.77	25.77	25.82	25.83		
70	1	1	16-QAM	23.80	23.64	23.66	23.64	23.67	23.78	26.73	26.67	26.73	27.73	0.5929
70	1	1	64-QAM	21.75	21.62	21.90	21.47	21.53	21.65	24.62	24.59	24.79		
70	1	1	256-QAM	18.61	19.00	19.25	18.64	18.62	19.18	21.64	21.82	22.23		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	24.81	24.73	24.71	24.53	24.52	24.53	27.68	27.64	27.63	29.02	0.7980
80	1	215		24.89	24.80	24.87	24.55	24.75	24.81	27.73	27.79	27.85		
80	108	54		25.00	24.98	25.03	24.76	25.03	24.80	27.89	28.02	27.93		
80	1	0		18.74	18.47	18.79	18.48	18.50	18.54	21.62	21.50	21.68		
80	1	216		18.61	18.79	18.72	18.50	18.68	18.72	21.57	21.75	21.73		
80	216	0		23.36	23.49	23.37	23.13	23.25	23.23	26.26	26.38	26.31		
80	1	1	QPSK	24.54	24.66	24.81	24.67	24.53	24.65	27.62	27.61	27.74	28.90	0.7762
80	1	215		25.11	24.89	24.82	24.59	24.80	24.74	27.87	27.86	27.79		
80	108	54		24.87	24.92	24.87	24.79	24.86	24.82	27.84	27.90	27.86		
80	1	0		18.18	18.02	18.37	17.96	17.93	18.03	21.08	20.99	21.21		
80	1	216		18.10	18.11	18.21	18.04	18.19	18.18	21.08	21.16	21.21		
80	216	0		22.74	22.86	22.78	22.71	22.75	22.77	25.74	25.82	25.79		
80	1	1	16-QAM	23.61	23.73	23.78	23.66	23.56	23.75	26.65	26.66	26.78	27.78	0.5998
80	1	1	64-QAM	21.83	21.77	21.60	21.46	21.63	21.53	24.66	24.71	24.58		
80	1	1	256-QAM	19.37	18.90	18.99	18.94	18.66	18.98	22.17	21.79	22.00		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	24.94	24.84	24.53	24.57	24.46	24.38	27.77	27.66	27.47	29.04	0.8017
90	1	243		24.81	24.80	24.83	24.76	24.83	24.98	27.80	27.83	27.92		
90	120	60		24.94	24.86	25.05	24.93	24.82	25.01	27.95	27.85	28.04		
90	1	0		18.60	18.51	18.58	18.44	18.48	18.40	21.53	21.51	21.50		
90	1	244		18.81	18.82	18.92	18.76	18.81	18.83	21.80	21.83	21.89		
90	243	0		23.37	23.37	23.35	23.20	23.21	23.23	26.30	26.30	26.30		
90	1	1	QPSK	24.87	24.58	24.82	24.46	24.50	24.42	27.68	27.55	27.63	29.10	0.8128
90	1	243		25.08	25.20	25.14	24.71	24.79	25.03	27.91	28.01	28.10		
90	120	60		24.88	24.95	24.93	24.77	24.81	24.85	27.84	27.89	27.90		
90	1	0		18.10	18.08	18.16	18.07	17.94	17.93	21.10	21.02	21.06		
90	1	244		18.37	18.53	18.44	18.22	18.34	18.38	21.31	21.45	21.42		
90	243	0		22.80	22.94	22.92	22.72	22.69	22.72	25.77	25.83	25.83		
90	1	1	16-QAM	23.67	23.96	23.92	23.73	23.78	23.56	26.71	26.88	26.75	27.88	0.6138
90	1	1	64-QAM	21.81	21.54	21.69	21.49	21.40	21.26	24.66	24.48	24.49		
90	1	1	256-QAM	18.99	18.65	19.20	18.97	18.84	18.91	21.99	21.76	22.07		
Limit	EIRP < 1W			Result									Pass	

Part27O NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	-	24.70	-	-	24.60	-	-	27.66	-	28.78	0.7551
100	1	271		-	24.81	-	-	24.72	-	-	27.78	-		
100	135	67		-	24.69	-	-	24.67	-	-	27.69	-		
100	1	0		-	18.54	-	-	18.19	-	-	21.38	-		
100	1	272		-	18.79	-	-	18.86	-	-	21.84	-		
100	270	0		-	23.20	-	-	23.08	-	-	26.15	-		
100	1	1	QPSK	-	24.47	-	-	24.52	-	-	27.51	-	28.71	0.7430
100	1	271		-	24.77	-	-	24.60	-	-	27.70	-		
100	135	67		-	24.70	-	-	24.70	-	-	27.71	-		
100	1	0		-	17.94	-	-	17.75	-	-	20.86	-		
100	1	272		-	18.28	-	-	18.34	-	-	21.32	-		
100	270	0		-	22.62	-	-	22.54	-	-	25.59	-		
100	1	1	16-QAM	-	23.39	-	-	23.41	-	-	26.41	-	27.41	0.5508
100	1	1	64-QAM	-	21.59	-	-	21.22	-	-	24.42	-		
100	1	1	256-QAM	-	18.66	-	-	18.77	-	-	21.73	-		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	25.21	24.79	25.05	25.27	25.08	24.95	28.25	27.95	28.01	29.31	0.8531
10	1	22		25.22	25.25	24.92	25.29	25.15	24.98	28.27	28.21	27.96		
10	12	6		25.20	24.96	25.32	25.40	25.15	25.01	28.31	28.07	28.18		
10	1	0		19.04	19.09	19.23	19.32	19.26	18.94	22.19	22.19	22.10		
10	1	23		19.05	18.93	19.10	19.23	19.19	19.14	22.15	22.07	22.13		
10	24	0		23.68	23.51	23.73	23.84	23.69	23.54	26.77	26.61	26.65		
10	1	1	QPSK	24.76	24.90	25.01	25.22	25.04	25.00	28.01	27.98	28.02	29.29	0.8492
10	1	22		25.38	25.13	25.24	25.18	25.29	25.06	28.29	28.22	28.16		
10	12	6		25.02	25.02	25.23	25.27	25.17	25.05	28.16	28.11	28.15		
10	1	0		18.57	18.56	18.74	18.80	18.62	18.47	21.70	21.60	21.62		
10	1	23		18.60	18.26	18.70	18.60	18.70	18.56	21.61	21.50	21.64		
10	24	0		23.19	23.01	23.24	23.36	23.14	23.17	26.29	26.09	26.22		
10	1	1	16-QAM	24.25	24.24	24.14	24.32	24.23	24.14	27.30	27.25	27.15	28.30	0.6761
10	1	1	64-QAM	21.87	21.70	22.39	22.38	21.84	22.09	25.14	24.78	25.25		
10	1	1	256-QAM	19.11	19.61	19.55	19.49	19.36	19.29	22.31	22.50	22.43		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	24.95	25.30	25.42	25.45	25.26	25.13	28.22	28.29	28.29	29.36	0.8630
15	1	36		25.49	25.13	25.10	25.21	25.38	25.14	28.36	28.27	28.13		
15	18	9		25.24	25.17	25.35	25.41	25.45	25.23	28.34	28.32	28.30		
15	1	0		19.13	19.45	19.37	19.45	19.32	19.22	22.30	22.40	22.31		
15	1	37		19.29	19.08	19.35	19.24	19.48	19.19	22.28	22.29	22.28		
15	36	0		23.73	23.62	23.81	23.81	23.86	23.67	26.78	26.75	26.75		
15	1	1	QPSK	25.48	25.21	25.26	25.38	25.38	25.13	28.44	28.31	28.21	29.44	0.8790
15	1	36		25.21	25.00	25.22	25.36	25.41	25.12	28.30	28.22	28.18		
15	18	9		25.25	25.14	25.26	25.37	25.44	25.25	28.32	28.30	28.27		
15	1	0		18.76	19.06	18.95	19.11	18.79	18.68	21.95	21.94	21.83		
15	1	37		18.84	18.75	18.66	18.78	18.93	18.82	21.82	21.85	21.75		
15	36	0		23.25	23.17	23.32	23.32	23.41	23.18	26.30	26.30	26.26		
15	1	1	16-QAM	24.03	24.51	24.29	24.64	24.53	24.29	27.36	27.53	27.30	28.53	0.7129
15	1	1	64-QAM	22.26	22.34	22.16	22.51	22.28	22.08	25.40	25.32	25.13		
15	1	1	256-QAM	19.27	19.71	19.49	19.78	19.47	19.44	22.54	22.60	22.48		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	24.92	25.51	25.48	25.55	25.25	25.04	28.26	28.39	28.28	29.39	0.8690
20	1	49		25.44	24.93	25.22	25.29	25.42	25.27	28.38	28.19	28.26		
20	25	12		25.30	25.16	25.33	25.39	25.38	25.18	28.36	28.28	28.27		
20	1	0		19.20	19.11	19.32	19.65	19.42	19.12	22.44	22.28	22.23		
20	1	50		19.50	18.97	19.08	19.28	19.35	19.28	22.40	22.17	22.19		
20	50	0		23.77	23.62	23.77	23.88	23.95	23.71	26.84	26.80	26.75		
20	1	1	QPSK	25.32	25.31	25.44	25.63	25.33	25.06	28.49	28.33	28.26	29.49	0.8892
20	1	49		25.30	24.91	25.28	25.33	25.36	25.18	28.33	28.15	28.24		
20	25	12		25.25	25.09	25.23	25.42	25.38	25.14	28.35	28.25	28.20		
20	1	0		18.71	19.03	18.96	19.01	18.79	18.54	21.87	21.92	21.77		
20	1	50		18.85	18.64	18.62	18.81	19.01	18.87	21.84	21.84	21.76		
20	50	0		23.34	23.14	23.25	23.37	23.35	23.29	26.37	26.26	26.28		
20	1	1	16-QAM	24.07	24.43	24.40	24.77	24.41	24.49	27.44	27.43	27.46	28.46	0.7015
20	1	1	64-QAM	21.83	22.29	22.20	22.53	22.13	22.28	25.20	25.22	25.25		
20	1	1	256-QAM	19.51	19.61	19.65	19.75	19.41	19.63	22.64	22.52	22.65		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	25.15	25.27	25.18	25.43	25.38	25.42	28.30	28.34	28.31	29.45	0.8810
30	1	76		25.66	25.04	25.43	25.20	25.37	25.27	28.45	28.22	28.36		
30	36	18		25.35	25.25	25.40	25.28	25.31	25.14	28.33	28.29	28.28		
30	1	0		19.44	19.44	19.31	19.46	19.45	19.36	22.46	22.46	22.35		
30	1	77		19.37	19.05	19.35	19.11	19.30	19.20	22.25	22.19	22.29		
30	75	0		23.91	23.72	23.78	23.86	23.89	23.78	26.90	26.82	26.79		
30	1	1	QPSK	25.44	25.35	25.45	25.31	25.39	25.43	28.39	28.38	28.45	29.46	0.8831
30	1	76		25.73	25.32	25.16	25.11	25.57	25.28	28.44	28.46	28.23		
30	36	18		25.28	25.22	25.37	25.29	25.37	25.21	28.30	28.31	28.30		
30	1	0		18.99	19.08	18.66	18.98	18.84	18.85	22.00	21.97	21.77		
30	1	77		19.06	18.44	18.87	18.65	18.89	18.76	21.87	21.68	21.83		
30	75	0		23.41	23.21	23.27	23.35	23.44	23.23	26.39	26.34	26.26		
30	1	1	16-QAM	24.34	24.91	24.15	24.69	24.65	24.49	27.53	27.79	27.33	28.79	0.7568
30	1	1	64-QAM	22.45	22.28	21.96	22.36	22.28	22.30	25.42	25.29	25.14		
30	1	1	256-QAM	19.91	19.74	19.40	19.99	19.49	19.67	22.96	22.63	22.55		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	25.17	25.34	25.32	25.53	25.25	25.34	28.36	28.31	28.34	29.49	0.8892
40	1	104		25.54	25.35	25.11	25.39	25.35	25.26	28.48	28.36	28.20		
40	50	25		25.46	25.19	25.29	25.50	25.39	25.20	28.49	28.30	28.26		
40	1	0		19.10	19.41	18.97	19.51	19.44	19.46	22.32	22.44	22.23		
40	1	105		19.66	19.14	19.28	19.43	19.34	19.38	22.56	22.25	22.34		
40	100	0		23.92	23.69	23.79	24.03	23.93	23.76	26.99	26.82	26.79		
40	1	1	QPSK	25.54	25.44	24.91	25.44	25.49	25.27	28.50	28.48	28.10	29.50	0.8913
40	1	104		25.51	24.97	25.02	25.41	25.23	25.30	28.47	28.11	28.17		
40	50	25		25.45	25.18	25.23	25.33	25.29	25.20	28.40	28.25	28.23		
40	1	0		18.66	19.00	18.66	19.07	18.97	18.82	21.88	22.00	21.75		
40	1	105		19.26	18.60	18.87	18.88	18.87	18.72	22.08	21.75	21.81		
40	100	0		23.59	23.27	23.23	23.42	23.47	23.28	26.52	26.38	26.27		
40	1	1	16-QAM	24.59	24.74	24.45	24.73	24.35	24.45	27.67	27.56	27.46	28.67	0.7362
40	1	1	64-QAM	22.39	22.74	22.09	22.45	22.31	22.39	25.43	25.54	25.25		
40	1	1	256-QAM	19.46	20.04	19.74	19.73	19.76	19.81	22.61	22.91	22.79		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	25.01	25.14	25.19	25.26	25.00	25.21	28.15	28.08	28.21	29.21	0.8337
50	1	131		24.74	24.90	24.85	24.91	24.95	24.77	27.84	27.94	27.82		
50	64	32		25.16	24.96	24.93	24.92	25.15	25.11	28.05	28.07	28.03		
50	1	0		19.18	19.26	19.13	19.23	19.08	19.11	22.22	22.18	22.13		
50	1	132		18.76	18.94	18.71	18.98	18.88	18.77	21.88	21.92	21.75		
50	128	0		23.75	23.61	23.48	23.55	23.55	23.49	26.66	26.59	26.50		
50	1	1	QPSK	25.10	25.54	24.90	25.22	24.95	25.15	28.17	28.27	28.04	29.27	0.8453
50	1	131		24.61	24.98	24.77	24.97	24.99	24.80	27.80	28.00	27.80		
50	64	32		25.27	25.02	24.91	24.94	25.09	24.96	28.12	28.07	27.95		
50	1	0		18.66	18.69	18.52	18.81	18.51	18.56	21.75	21.61	21.55		
50	1	132		18.36	18.50	18.18	18.37	18.39	18.30	21.38	21.46	21.25		
50	128	0		23.20	23.07	22.95	23.07	23.12	22.96	26.15	26.11	25.97		
50	1	1	16-QAM	23.92	24.55	24.03	24.29	24.19	24.27	27.12	27.38	27.16	28.38	0.6887
50	1	1	64-QAM	21.98	22.15	21.90	22.31	21.96	22.06	25.16	25.07	24.99		
50	1	1	256-QAM	19.32	19.57	19.37	19.72	19.48	19.33	22.53	22.54	22.36		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	25.15	25.33	25.20	25.26	24.98	25.11	28.22	28.17	28.17	29.35	0.8610
60	1	160		24.61	24.99	24.89	25.34	24.90	24.88	28.00	27.96	27.90		
60	81	40		25.35	25.07	25.10	25.33	25.15	25.09	28.35	28.12	28.11		
60	1	0		18.87	19.41	19.03	19.23	19.09	19.04	22.06	22.26	22.05		
60	1	161		18.66	19.01	18.81	19.18	18.82	18.87	21.94	21.93	21.85		
60	162	0		23.70	23.59	23.60	23.64	23.59	23.52	26.68	26.60	26.57		
60	1	1	QPSK	24.66	25.23	0.15	25.34	25.07	0.15	28.02	28.16	3.16	29.26	0.8433
60	1	160		24.66	24.97	24.78	25.23	24.99	24.75	27.96	27.99	27.78		
60	81	40		25.34	25.22	24.95	25.15	25.16	25.11	28.26	28.20	28.04		
60	1	0		18.47	18.68	18.88	18.83	18.65	18.66	21.66	21.68	21.78		
60	1	161		18.17	18.38	18.35	18.64	18.49	18.46	21.42	21.45	21.42		
60	162	0		23.17	23.16	23.02	23.19	23.15	23.05	26.19	26.17	26.05		
60	1	1	16-QAM	23.76	24.39	24.31	24.20	24.17	24.09	27.00	27.29	27.21	28.29	0.6745
60	1	1	64-QAM	21.75	22.11	22.12	22.36	21.84	22.12	25.08	24.99	25.13		
60	1	1	256-QAM	18.87	19.48	19.64	19.41	19.44	19.66	22.16	22.47	22.66		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	24.70	25.38	25.16	25.24	25.05	24.83	27.99	28.23	28.01	29.23	0.8375
70	1	187		24.47	24.90	24.95	24.74	24.68	24.79	27.62	27.80	27.88		
70	90	45		25.09	24.92	24.81	24.81	24.94	25.14	27.96	27.94	27.99		
70	1	0		18.97	18.85	19.04	19.29	18.86	18.74	22.14	21.87	21.90		
70	1	188		18.47	18.68	18.89	18.69	18.75	18.70	21.59	21.73	21.81		
70	180	0		23.47	23.40	23.43	23.38	23.36	23.60	26.44	26.39	26.53		
70	1	1	QPSK	25.10	25.24	25.30	25.20	25.03	24.90	28.16	28.15	28.11	29.16	0.8241
70	1	187		24.35	24.72	24.61	24.65	24.87	24.71	27.51	27.81	27.67		
70	90	45		25.04	24.86	24.82	24.94	24.92	25.18	28.00	27.90	28.01		
70	1	0		18.45	18.41	18.44	18.57	18.38	18.30	21.52	21.41	21.38		
70	1	188		18.14	18.38	18.17	18.26	18.19	18.30	21.21	21.30	21.25		
70	180	0		22.90	22.87	22.85	22.90	22.93	23.05	25.91	25.91	25.96		
70	1	1	16-QAM	23.92	24.29	23.99	24.35	24.19	23.87	27.15	27.25	26.94	28.25	0.6683
70	1	1	64-QAM	21.67	22.28	22.32	22.09	22.03	22.03	24.90	25.17	25.19		
70	1	1	256-QAM	19.20	19.30	19.43	19.34	19.16	19.24	22.28	22.24	22.35		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	24.91	25.12	25.02	25.13	24.95	24.95	28.03	28.05	28.00	29.05	0.8035
80	1	215		24.57	24.73	24.61	24.69	24.70	24.71	27.64	27.73	27.67		
80	108	54		24.89	24.80	24.88	24.97	24.95	24.98	27.94	27.89	27.94		
80	1	0		18.72	18.64	19.16	19.10	18.86	18.82	21.92	21.76	22.00		
80	1	216		18.72	19.05	18.71	18.66	18.58	18.91	21.70	21.83	21.82		
80	216	0		23.34	23.40	23.37	23.51	23.38	23.39	26.44	26.40	26.39		
80	1	1	QPSK	24.75	24.91	25.02	24.88	24.93	25.00	27.83	27.93	28.02	29.02	0.7980
80	1	215		24.84	24.88	24.89	24.76	24.62	24.67	27.81	27.76	27.79		
80	108	54		24.86	24.83	24.86	25.03	25.07	24.95	27.96	27.96	27.92		
80	1	0		18.24	18.65	18.73	18.46	18.52	18.46	21.36	21.60	21.61		
80	1	216		18.36	18.12	18.14	18.24	18.13	18.35	21.31	21.14	21.26		
80	216	0		22.91	22.92	22.92	23.01	22.84	22.87	25.97	25.89	25.91		
80	1	1	16-QAM	23.69	24.11	24.33	24.25	24.07	24.17	26.99	27.10	27.26	28.26	0.6699
80	1	1	64-QAM	22.08	21.94	22.07	22.11	21.92	22.02	25.11	24.94	25.06		
80	1	1	256-QAM	18.88	19.28	19.45	19.35	19.35	19.04	22.13	22.33	22.26		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	24.91	24.98	25.13	25.13	25.07	24.95	28.03	28.04	28.05	29.05	0.8035
90	1	243		24.85	24.94	24.98	24.76	24.67	24.79	27.82	27.82	27.90		
90	120	60		24.84	24.91	24.89	24.93	24.97	25.05	27.90	27.95	27.98		
90	1	0		18.64	18.98	18.68	19.08	18.98	18.93	21.88	21.99	21.82		
90	1	244		18.53	18.96	18.76	18.62	18.66	18.83	21.59	21.82	21.81		
90	243	0		23.39	23.38	23.39	23.40	23.36	23.45	26.41	26.38	26.43		
90	1	1	QPSK	24.85	25.01	24.83	25.06	24.97	24.90	27.97	28.00	27.88	29.00	0.7943
90	1	243		24.69	24.89	24.93	24.72	24.67	24.85	27.72	27.79	27.90		
90	120	60		24.88	24.84	24.95	24.91	24.87	24.98	27.91	27.87	27.98		
90	1	0		18.20	18.65	18.36	18.56	18.43	18.35	21.39	21.55	21.37		
90	1	244		18.11	18.13	18.27	18.08	18.23	18.23	21.11	21.19	21.26		
90	243	0		22.89	22.92	22.85	22.93	22.85	22.96	25.92	25.90	25.92		
90	1	1	16-QAM	24.01	24.03	24.17	24.10	24.16	24.01	27.07	27.11	27.10	28.11	0.6471
90	1	1	64-QAM	21.92	21.61	22.14	22.17	21.84	21.82	25.06	24.74	24.99		
90	1	1	256-QAM	19.05	19.01	19.56	19.58	19.42	19.42	22.33	22.23	22.50		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n77 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	-	24.90	-	-	25.18	-	-	28.05	-	29.05	0.8035
100	1	271		-	24.81	-	-	24.93	-	-	27.88	-		
100	135	67		-	24.82	-	-	24.95	-	-	27.90	-		
100	1	0		-	18.77	-	-	19.15	-	-	21.97	-		
100	1	272		-	19.01	-	-	18.84	-	-	21.94	-		
100	270	0		-	23.39	-	-	23.37	-	-	26.39	-		
100	1	1	QPSK	-	25.06	-	-	25.07	-	-	28.08	-	29.08	0.8091
100	1	271		-	24.69	-	-	24.87	-	-	27.79	-		
100	135	67		-	24.90	-	-	24.90	-	-	27.91	-		
100	1	0		-	18.28	-	-	18.61	-	-	21.46	-		
100	1	272		-	18.25	-	-	18.26	-	-	21.27	-		
100	270	0		-	22.91	-	-	22.80	-	-	25.87	-		
100	1	1	16-QAM	-	24.05	-	-	24.22	-	-	27.15	-	28.15	0.6531
100	1	1	64-QAM	-	21.47	-	-	21.96	-	-	24.73	-		
100	1	1	256-QAM	-	18.86	-	-	19.26	-	-	22.07	-		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	BPSK	25.22	24.87	24.81	24.97	24.90	24.87	28.11	27.90	27.85	29.12	0.8166
10	1	22		25.15	24.94	24.88	25.07	24.80	24.71	28.12	27.88	27.81		
10	12	6		25.12	24.82	24.91	24.94	24.79	24.92	28.04	27.82	27.93		
10	1	0		18.89	19.06	18.72	18.86	18.76	18.91	21.89	21.92	21.83		
10	1	23		18.87	18.55	18.82	18.95	18.74	18.76	21.92	21.66	21.80		
10	24	0		23.59	23.28	23.45	23.85	23.35	23.43	26.73	26.33	26.45		
10	1	1	QPSK	25.18	24.83	25.06	24.94	24.74	24.82	28.07	27.80	27.95	29.07	0.8072
10	1	22		25.02	24.85	24.87	24.94	24.86	24.61	27.99	27.87	27.75		
10	12	6		25.07	24.80	24.90	24.92	24.76	24.95	28.01	27.79	27.94		
10	1	0		18.54	18.47	18.57	18.51	18.29	18.38	21.54	21.39	21.49		
10	1	23		18.43	18.34	18.27	18.44	18.19	18.15	21.45	21.28	21.22		
10	24	0		23.18	22.83	22.89	23.00	22.86	22.89	26.10	25.86	25.90		
10	1	1	16-QAM	24.27	24.08	23.82	24.13	23.95	23.98	27.21	27.03	26.91	28.21	0.6622
10	1	1	64-QAM	22.03	21.73	21.84	21.76	21.68	21.93	24.91	24.72	24.90		
10	1	1	256-QAM	19.44	19.25	18.93	19.16	19.05	19.15	22.31	22.16	22.05		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
15	1	1	BPSK	25.28	25.06	25.06	25.10	24.91	25.12	28.20	28.00	28.10	29.20	0.8318
15	1	36		25.14	24.79	24.92	25.22	24.83	24.97	28.19	27.82	27.96		
15	18	9		25.16	25.04	24.93	25.19	24.84	25.00	28.19	27.95	27.98		
15	1	0		18.93	18.91	18.92	18.92	18.92	18.97	21.94	21.93	21.96		
15	1	37		19.24	18.91	18.68	19.18	18.82	18.83	22.22	21.88	21.77		
15	36	0		23.69	23.44	23.47	23.56	23.41	23.50	26.64	26.44	26.50		
15	1	1	QPSK	25.12	25.05	24.99	24.98	24.80	25.02	28.06	27.94	28.02	29.21	0.8337
15	1	36		25.19	24.79	24.94	25.21	24.75	24.97	28.21	27.78	27.97		
15	18	9		25.09	24.96	24.95	25.12	24.85	24.94	28.12	27.92	27.96		
15	1	0		18.75	18.42	18.65	18.54	18.38	18.60	21.66	21.41	21.64		
15	1	37		18.77	18.38	18.43	18.65	18.37	18.36	21.72	21.39	21.41		
15	36	0		23.17	22.87	23.08	23.09	22.92	22.93	26.14	25.91	26.02		
15	1	1	16-QAM	24.40	24.42	24.23	24.30	24.11	24.40	27.36	27.28	27.33	28.36	0.6855
15	1	1	64-QAM	22.12	22.09	22.26	21.99	21.83	22.14	25.07	24.97	25.21		
15	1	1	256-QAM	19.66	19.10	19.62	19.41	19.04	19.58	22.55	22.08	22.61		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	BPSK	25.09	25.15	25.26	25.18	24.98	25.19	28.15	28.08	28.24	29.28	0.8472
20	1	49		25.39	25.11	24.74	25.15	24.86	24.84	28.28	28.00	27.80		
20	25	12		25.26	25.01	25.11	25.10	24.97	25.14	28.19	28.00	28.14		
20	1	0		19.33	19.20	19.03	19.06	18.93	19.07	22.21	22.08	22.06		
20	1	50		19.29	18.71	18.90	19.12	18.97	18.91	22.22	21.85	21.92		
20	50	0		23.78	23.50	23.62	23.81	23.41	23.65	26.81	26.47	26.65		
20	1	1	QPSK	25.12	24.94	25.00	25.06	25.02	25.29	28.10	27.99	28.16	29.21	0.8337
20	1	49		25.25	25.05	25.03	25.15	24.94	24.92	28.21	28.01	27.99		
20	25	12		25.18	25.02	25.07	25.13	24.83	25.10	28.17	27.94	28.10		
20	1	0		18.84	18.67	18.50	18.59	18.48	18.67	21.73	21.59	21.60		
20	1	50		18.93	18.63	18.54	18.65	18.44	18.36	21.80	21.55	21.46		
20	50	0		23.19	23.00	23.09	23.12	23.01	23.06	26.17	26.02	26.09		
20	1	1	16-QAM	24.24	24.22	24.28	24.28	24.34	24.41	27.27	27.29	27.36	28.36	0.6855
20	1	1	64-QAM	21.95	21.88	21.84	21.93	21.95	22.02	24.95	24.93	24.94		
20	1	1	256-QAM	19.24	19.52	19.50	19.21	19.35	19.58	22.24	22.45	22.55		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	BPSK	25.23	25.26	24.93	25.13	25.24	25.05	28.19	28.26	28.00	29.27	0.8453
30	1	76		25.13	24.96	24.71	25.13	24.81	24.84	28.14	27.90	27.79		
30	36	18		25.35	25.07	25.18	25.16	25.07	25.18	28.27	28.08	28.19		
30	1	0		19.33	19.26	19.08	19.02	19.17	19.08	22.19	22.23	22.09		
30	1	77		19.18	18.90	18.92	19.03	18.97	18.88	22.12	21.95	21.91		
30	75	0		23.90	23.49	23.62	23.70	23.56	23.57	26.81	26.54	26.61		
30	1	1	QPSK	25.29	25.13	24.96	25.17	25.27	25.04	28.24	28.21	28.01	29.24	0.8395
30	1	76		25.10	24.72	25.16	25.21	24.84	25.02	28.17	27.79	28.10		
30	36	18		25.30	24.98	25.11	25.15	24.97	25.14	28.24	27.99	28.14		
30	1	0		18.79	18.60	18.70	18.59	18.61	18.72	21.70	21.62	21.72		
30	1	77		18.45	18.44	18.25	18.66	18.38	18.41	21.57	21.42	21.34		
30	75	0		23.21	23.06	23.12	23.14	23.04	23.13	26.19	26.06	26.14		
30	1	1	16-QAM	24.29	24.43	24.47	24.38	24.39	24.49	27.35	27.42	27.49	28.49	0.7063
30	1	1	64-QAM	22.08	22.25	22.27	22.27	22.15	22.15	25.19	25.21	25.22		
30	1	1	256-QAM	19.85	19.12	19.11	19.66	19.24	19.23	22.77	22.19	22.18		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	BPSK	25.33	25.42	25.11	25.26	25.24	25.06	28.31	28.34	28.10	29.34	0.8590
40	1	104		25.12	25.47	25.10	25.09	24.92	24.92	28.12	28.21	28.02		
40	50	25		25.22	25.18	25.14	25.27	25.05	25.08	28.26	28.13	28.12		
40	1	0		19.02	19.34	18.88	19.23	19.31	18.99	22.14	22.34	21.95		
40	1	105		19.14	18.84	18.78	19.08	18.94	18.88	22.12	21.90	21.84		
40	100	0		23.69	23.61	23.65	23.79	23.56	23.60	26.75	26.60	26.64		
40	1	1	QPSK	25.36	25.40	25.18	25.23	25.31	25.13	28.31	28.37	28.17	29.37	0.8650
40	1	104		25.05	24.87	25.02	25.22	24.98	25.04	28.15	27.94	28.04		
40	50	25		25.26	25.01	25.08	25.21	25.06	25.10	28.25	28.05	28.10		
40	1	0		18.96	18.73	18.52	18.68	18.90	18.55	21.83	21.83	21.55		
40	1	105		18.55	18.29	18.31	18.48	18.49	18.44	21.53	21.40	21.39		
40	100	0		23.18	23.14	23.18	23.32	23.09	23.08	26.26	26.13	26.14		
40	1	1	16-QAM	24.47	24.36	24.23	24.43	24.52	24.33	27.46	27.45	27.29	28.46	0.7015
40	1	1	64-QAM	22.40	22.16	22.00	22.34	22.31	21.98	25.38	25.25	25.00		
40	1	1	256-QAM	19.54	19.48	19.63	19.40	19.52	19.53	22.48	22.51	22.59		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	BPSK	24.75	25.02	24.69	24.80	24.89	24.81	27.79	27.97	27.76	28.98	0.7907
50	1	131		24.64	24.83	24.78	24.65	24.68	24.77	27.66	27.77	27.79		
50	64	32		25.04	24.76	24.81	24.90	24.80	24.79	27.98	27.79	27.81		
50	1	0		18.87	19.20	18.84	18.75	18.91	18.72	21.82	22.07	21.79		
50	1	132		18.62	18.58	18.42	18.59	18.56	18.46	21.62	21.58	21.45		
50	128	0		23.40	23.39	23.37	23.35	23.37	23.32	26.39	26.39	26.36		
50	1	1	QPSK	24.97	24.99	24.77	24.85	24.93	24.70	27.92	27.97	27.75	28.97	0.7889
50	1	131		24.74	24.75	24.70	24.52	24.62	24.68	27.64	27.70	27.70		
50	64	32		24.96	24.81	24.88	24.94	24.72	24.82	27.96	27.78	27.86		
50	1	0		18.71	18.41	18.12	18.26	18.34	18.17	21.50	21.39	21.16		
50	1	132		18.11	18.21	17.91	18.19	18.07	18.03	21.16	21.15	20.98		
50	128	0		22.86	22.77	22.75	22.33	22.45	22.83	25.61	25.62	25.80		
50	1	1	16-QAM	24.19	24.11	23.79	23.94	24.12	23.83	27.08	27.13	26.82	28.13	0.6501
50	1	1	64-QAM	22.08	21.93	21.86	21.75	21.73	21.75	24.93	24.84	24.82		
50	1	1	256-QAM	19.20	19.22	19.37	19.33	19.09	19.22	22.28	22.17	22.31		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	BPSK	24.98	25.13	24.84	24.77	24.87	25.01	27.89	28.01	27.94	29.01	0.7962
60	1	160		24.55	24.87	24.70	24.71	24.64	24.73	27.64	27.77	27.73		
60	81	40		24.99	24.80	25.06	24.84	24.78	24.75	27.93	27.80	27.92		
60	1	0		19.02	19.17	18.85	18.68	18.98	18.85	21.86	22.09	21.86		
60	1	161		18.13	18.50	18.51	18.38	18.53	18.37	21.27	21.53	21.45		
60	162	0		23.37	23.41	23.47	23.32	23.42	23.26	26.36	26.43	26.38		
60	1	1	QPSK	24.93	25.43	25.08	24.88	24.96	24.87	27.92	28.21	27.99	29.21	0.8337
60	1	160		24.66	24.69	24.79	24.62	24.64	24.57	27.65	27.68	27.69		
60	81	40		25.03	24.75	24.96	24.83	24.86	24.77	27.94	27.82	27.88		
60	1	0		18.63	18.45	18.46	18.29	18.44	18.37	21.47	21.46	21.43		
60	1	161		17.96	18.22	17.84	17.89	17.99	17.90	20.94	21.12	20.88		
60	162	0		22.95	22.99	22.85	22.75	22.87	22.80	25.86	25.94	25.84		
60	1	1	16-QAM	23.89	24.21	24.06	23.93	24.03	23.97	26.92	27.13	27.03	28.13	0.6501
60	1	1	64-QAM	22.05	22.02	22.01	21.79	21.93	21.90	24.93	24.99	24.97		
60	1	1	256-QAM	19.45	19.50	19.03	19.27	19.33	19.28	22.37	22.43	22.17		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	BPSK	24.83	25.09	24.88	24.75	24.91	24.94	27.80	28.01	27.92	29.01	0.7962
70	1	187		24.44	24.55	24.48	24.42	24.32	24.37	27.44	27.45	27.44		
70	90	45		24.70	24.77	24.72	24.83	24.62	24.61	27.78	27.71	27.68		
70	1	0		18.87	19.01	19.20	18.67	19.09	18.93	21.78	22.06	22.08		
70	1	188		18.28	18.40	18.18	18.24	18.34	18.24	21.27	21.38	21.22		
70	180	0		23.15	23.28	23.30	23.28	23.22	23.14	26.23	26.26	26.23		
70	1	1	QPSK	24.82	25.02	25.20	25.05	24.79	25.00	27.95	27.92	28.11	29.11	0.8147
70	1	187		24.31	24.26	24.16	24.26	24.28	24.36	27.30	27.28	27.27		
70	90	45		24.74	24.60	24.71	24.80	24.66	24.57	27.78	27.64	27.65		
70	1	0		18.44	18.45	18.58	18.29	18.37	18.46	21.38	21.42	21.53		
70	1	188		17.95	17.84	17.64	17.83	17.94	17.87	20.90	20.90	20.77		
70	180	0		22.63	22.70	22.73	22.75	22.80	22.64	25.70	25.76	25.70		
70	1	1	16-QAM	24.03	24.21	24.32	24.07	24.11	24.10	27.06	27.17	27.22	28.22	0.6637
70	1	1	64-QAM	22.11	22.17	22.39	21.89	21.79	22.07	25.01	24.99	25.24		
70	1	1	256-QAM	19.07	19.31	19.29	18.94	19.08	19.11	22.02	22.21	22.21		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	BPSK	25.09	24.79	25.00	24.71	24.86	24.88	27.91	27.84	27.95	28.95	0.7852
80	1	215		24.43	24.58	24.52	24.38	24.29	24.28	27.42	27.45	27.41		
80	108	54		24.73	24.60	24.65	24.69	24.70	24.60	27.72	27.66	27.64		
80	1	0		19.08	18.86	18.96	18.75	18.82	19.05	21.93	21.85	22.02		
80	1	216		18.13	18.52	18.19	18.32	18.24	18.51	21.24	21.39	21.36		
80	216	0		23.26	23.30	23.19	23.12	23.20	23.21	26.20	26.26	26.21		
80	1	1	QPSK	24.89	25.00	24.99	24.68	24.86	24.94	27.80	27.94	27.98	28.98	0.7907
80	1	215		24.47	24.64	24.71	24.52	24.56	24.65	27.51	27.61	27.69		
80	108	54		24.70	24.69	24.85	24.63	24.66	24.52	27.68	27.69	27.70		
80	1	0		18.56	18.36	18.67	18.23	18.39	18.42	21.41	21.39	21.56		
80	1	216		17.71	17.79	17.78	18.03	17.97	17.91	20.88	20.89	20.86		
80	216	0		22.75	22.81	22.69	22.69	22.71	22.65	25.73	25.77	25.68		
80	1	1	16-QAM	24.12	24.24	24.13	23.84	24.13	24.15	26.99	27.20	27.15	28.20	0.6607
80	1	1	64-QAM	22.17	21.87	22.25	21.89	21.76	21.74	25.04	24.83	25.01		
80	1	1	256-QAM	19.27	19.38	19.29	18.86	19.11	19.12	22.08	22.26	22.22		
Limit	EIRP < 1W			Result									Pass	

Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	BPSK	24.70	24.80	24.93	24.75	24.84	24.89	27.74	27.83	27.92	28.92	0.7798
90	1	243		24.59	24.64	24.59	24.53	24.53	24.55	27.57	27.60	27.58		
90	120	60		24.66	24.67	24.78	24.72	24.73	24.75	27.70	27.71	27.78		
90	1	0		18.68	18.80	18.72	18.63	18.80	18.53	21.67	21.81	21.64		
90	1	244		18.17	18.27	18.40	18.32	18.38	18.26	21.26	21.34	21.34		
90	243	0		23.22	23.26	23.28	23.15	23.14	23.22	26.20	26.21	26.26		
90	1	1	QPSK	24.84	24.91	25.02	24.75	24.91	24.80	27.81	27.92	27.92	28.92	0.7798
90	1	243		24.46	24.52	24.56	24.50	24.63	24.51	27.49	27.59	27.55		
90	120	60		24.69	24.73	24.77	24.66	24.70	24.76	27.69	27.73	27.78		
90	1	0		18.50	18.44	18.85	18.16	18.24	18.44	21.34	21.35	21.66		
90	1	244		17.84	17.69	17.98	17.88	17.87	17.84	20.87	20.79	20.92		
90	243	0		22.77	22.70	22.88	22.66	22.71	22.78	25.73	25.72	25.84		
90	1	1	16-QAM	24.23	24.14	24.37	23.93	23.84	24.09	27.09	27.00	27.24	28.24	0.6668
90	1	1	64-QAM	21.81	21.91	22.17	21.77	21.85	21.96	24.80	24.89	25.08		
90	1	1	256-QAM	19.26	19.24	19.36	18.93	18.89	19.49	22.11	22.08	22.44		
Limit	EIRP < 1W			Result									Pass	

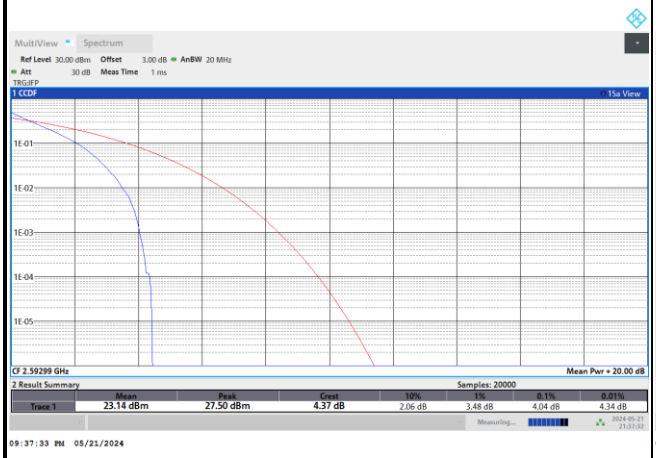
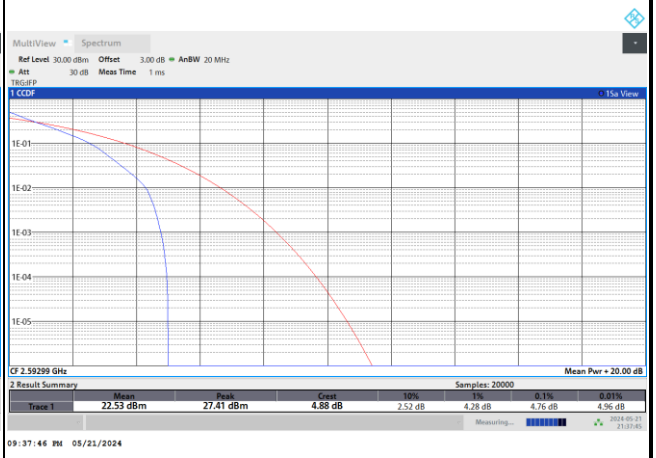
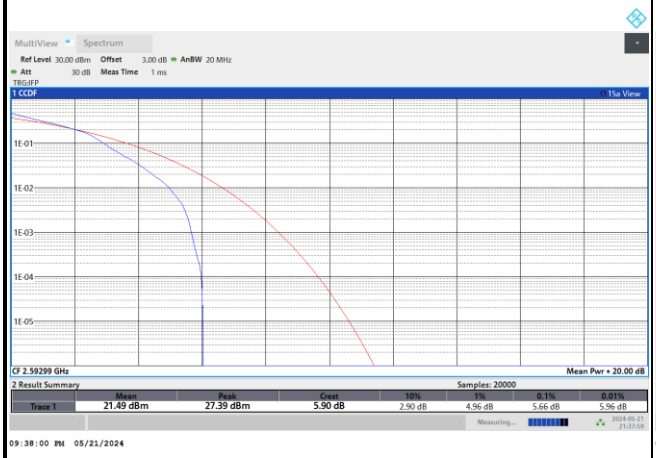
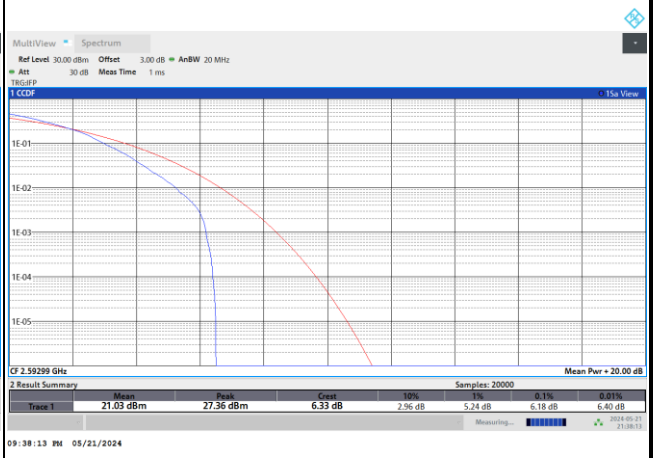
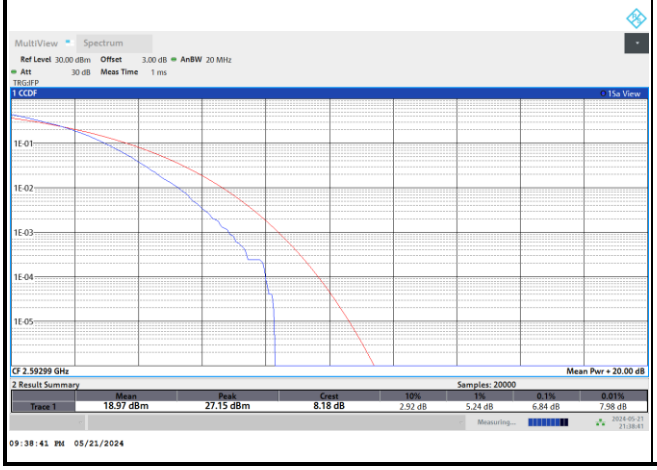
Part27Q NR n78 (PC1.5) Maximum Average Power [dBm], DG = 1 dBi														
BW	RB	RB	Mod	Antenna 3			Antenna 1			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	BPSK	-	24.94	-	-	24.72	-	-	27.84	-	28.84	0.7656
100	1	271		-	24.48	-	-	24.38	-	-	27.44	-		
100	135	67		-	24.80	-	-	24.76	-	-	27.79	-		
100	1	0		-	19.07	-	-	18.66	-	-	21.88	-		
100	1	272		-	18.36	-	-	18.37	-	-	21.38	-		
100	270	0		-	23.35	-	-	23.28	-	-	26.33	-		
100	1	1	QPSK	-	24.90	-	-	24.81	-	-	27.87	-	28.87	0.7709
100	1	271		-	24.45	-	-	24.45	-	-	27.46	-		
100	135	67		-	24.77	-	-	24.75	-	-	27.77	-		
100	1	0		-	18.77	-	-	18.19	-	-	21.50	-		
100	1	272		-	17.83	-	-	17.79	-	-	20.82	-		
100	270	0		-	22.82	-	-	22.76	-	-	25.80	-		
100	1	1	16-QAM	-	24.07	-	-	23.73	-	-	26.91	-	27.91	0.6180
100	1	1	64-QAM	-	22.13	-	-	21.77	-	-	24.96	-		
100	1	1	256-QAM	-	19.05	-	-	18.88	-	-	21.98	-		
Limit	EIRP < 1W			Result									Pass	

FR1 n41 (PC1.5)_MIMO mode

MIMO<Ant. 2>

Peak-to-Average Ratio

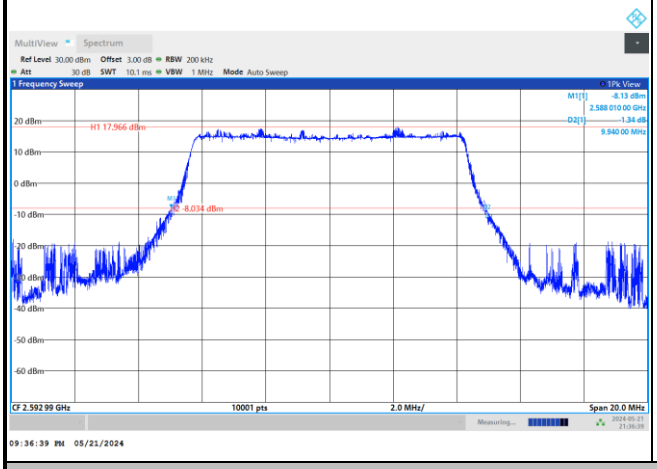
Mode	FR1 n41 (PC1.5) / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.04	4.76	5.66	6.18	PASS
Mode	FR1 n41 (PC1.5) / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.84				PASS

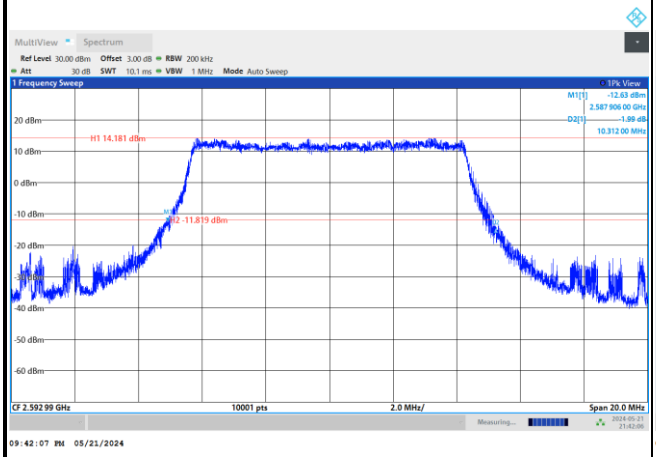
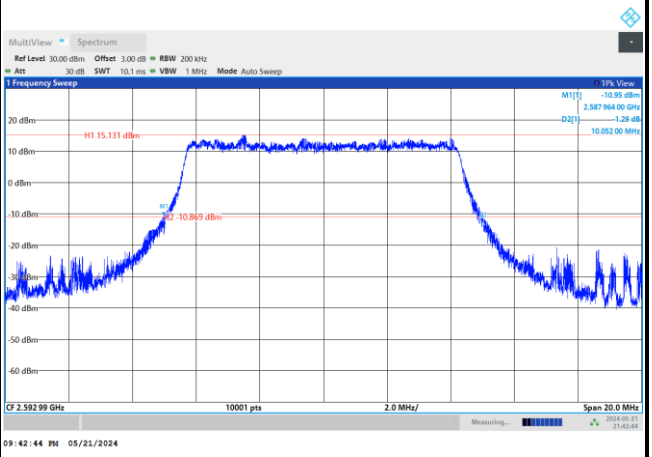
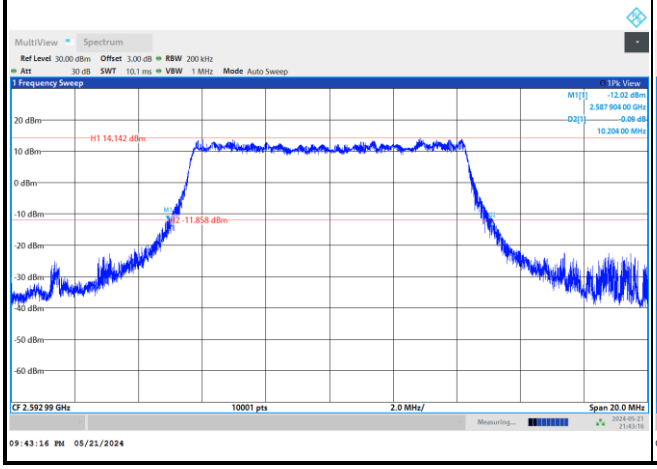
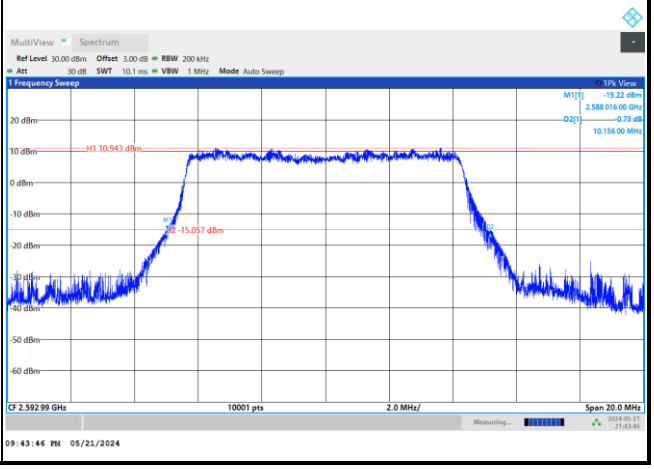
FR1 n41 (PC1.5) / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

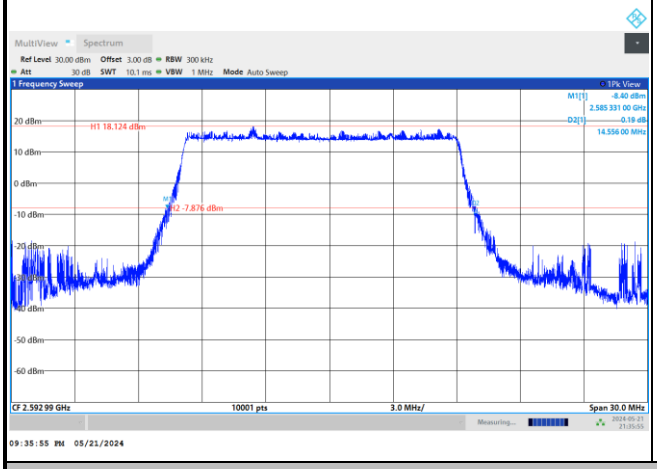
26dB Bandwidth

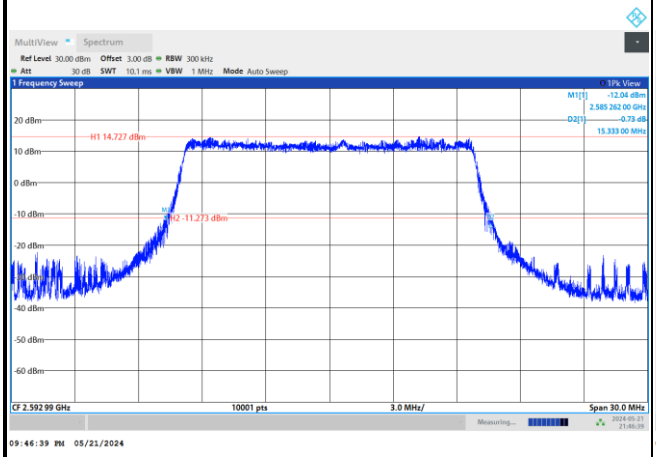
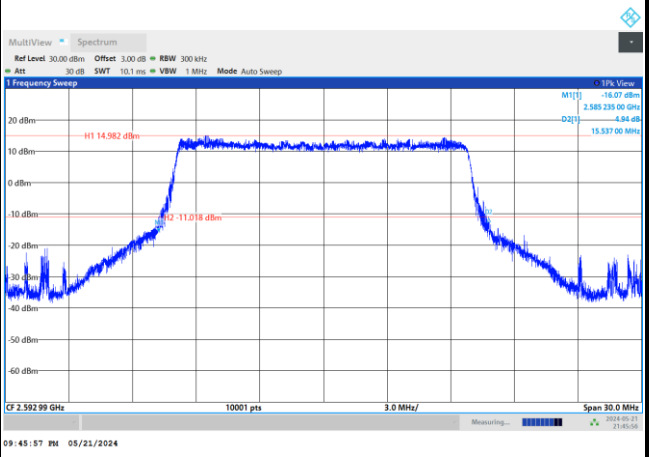
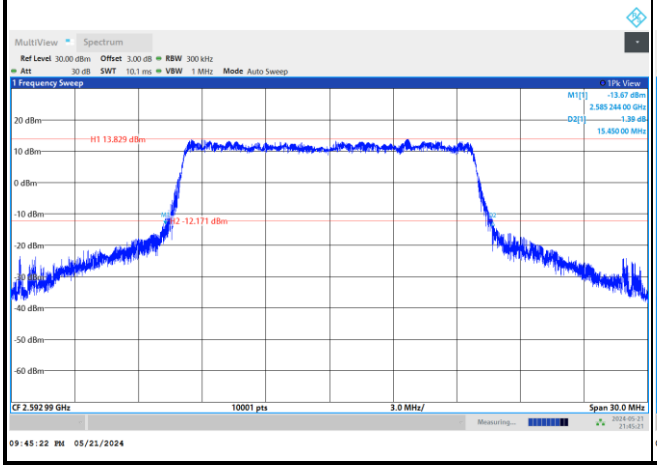
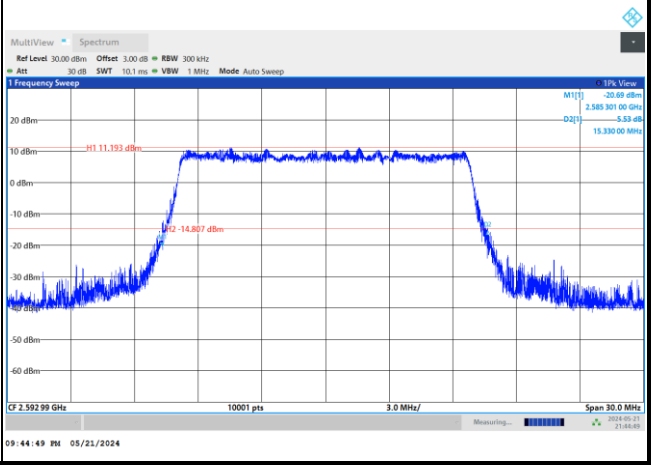
Mode	FR1 n41 (PC1.5) : 26dB BW(MHz) / DFT-S OFDM							
BW	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz	50MHz	60MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	9.94	14.56	19.84	-	29.66	38.71	48.73	63.00
BW	70MHz	80MHz	90MHz	100MHz				
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK				
Middle CH	-	80.38	92.25	101.40				

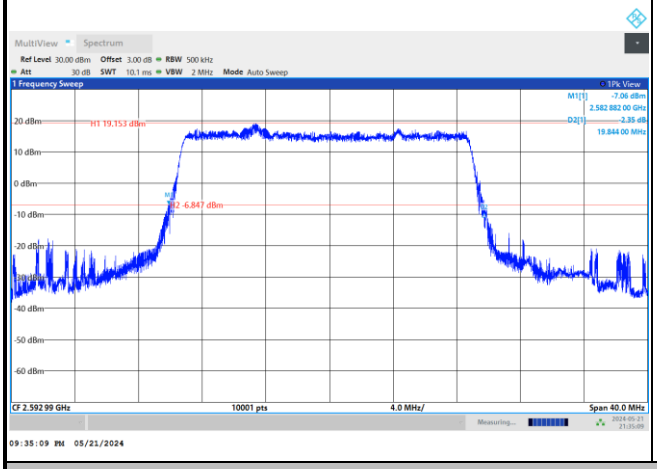
Mode	FR1 n41 (PC1.5) : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.31	10.05	15.33	15.54	20.42	20.42	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.20	10.16	15.45	15.33	20.32	20.42	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	30.94	31.87	41.03	40.88	50.82	50.49	62.93	62.84
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	33.22	30.61	40.86	42.65	50.79	50.80	73.94	62.72
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	80.62	80.45	92.95	92.84	102.88	102.94
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	80.72	80.61	92.66	92.59	102.98	102.56

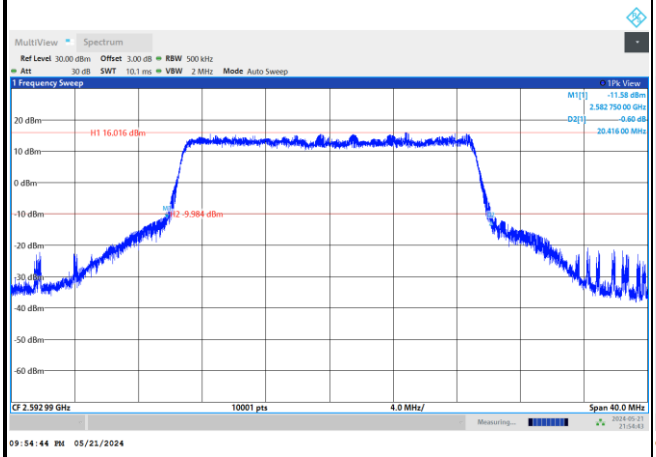
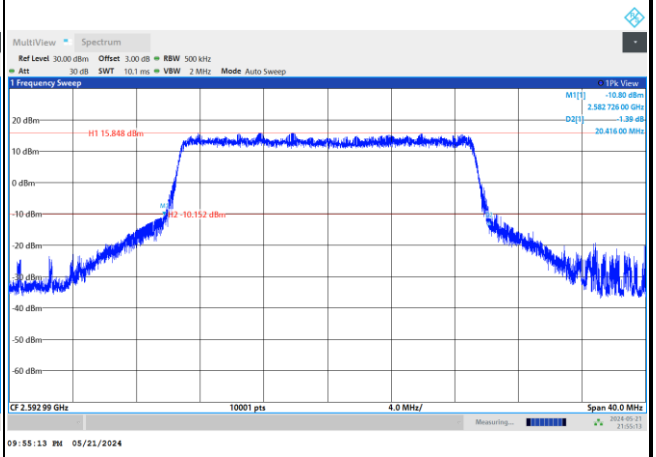
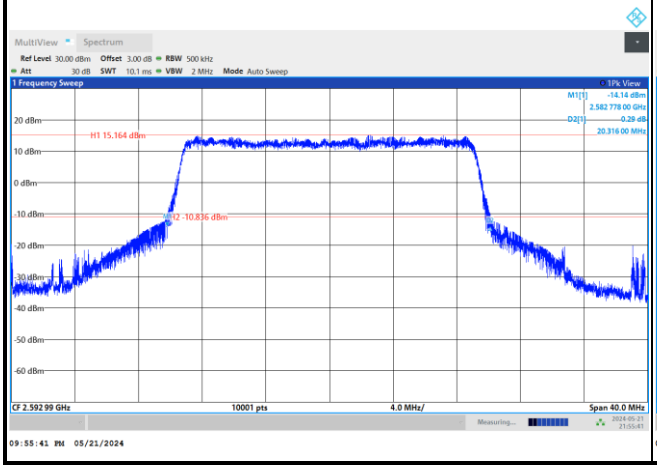
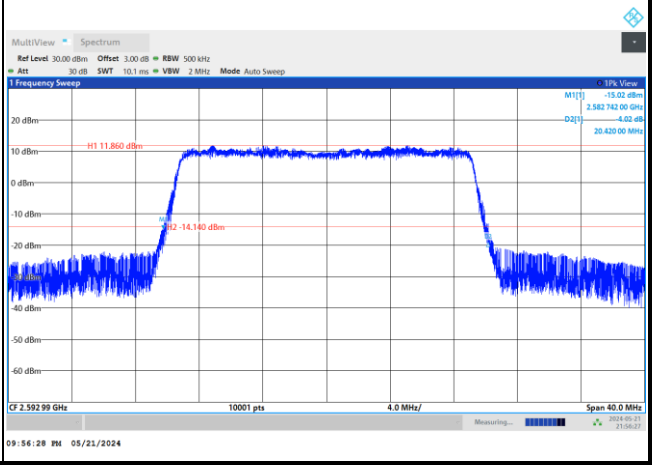
FR1 n41 (PC1.5) / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

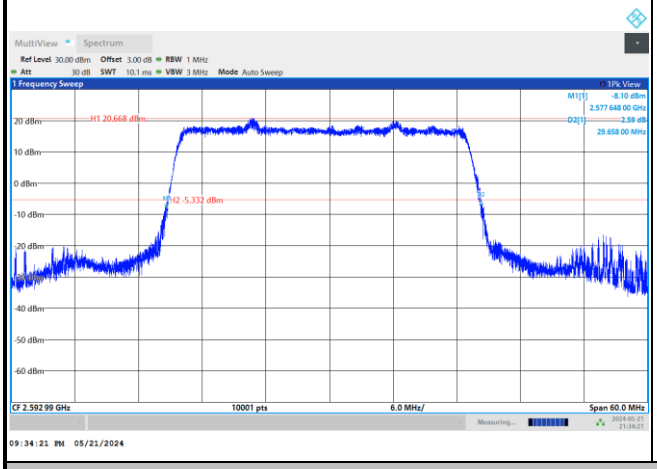
FR1 n41 (PC1.5) / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

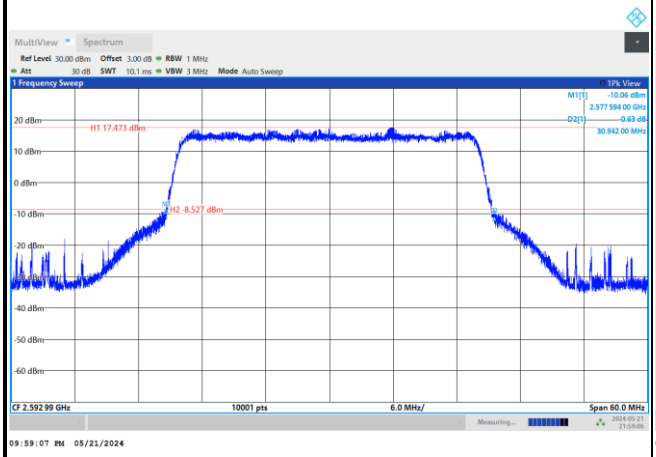
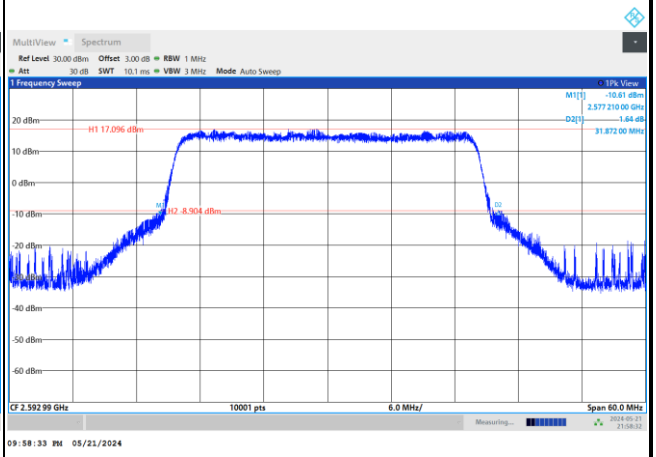
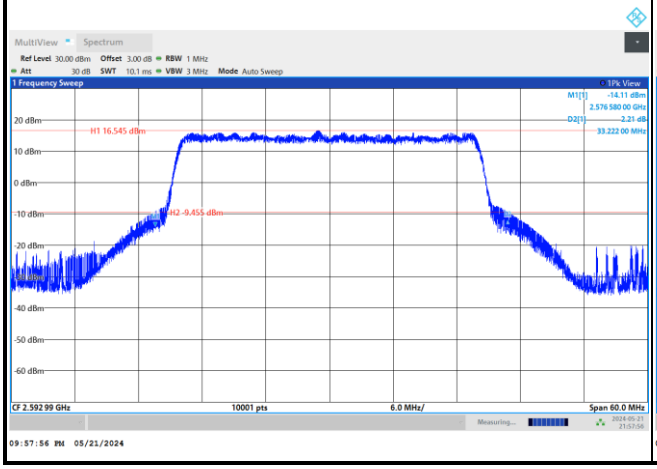
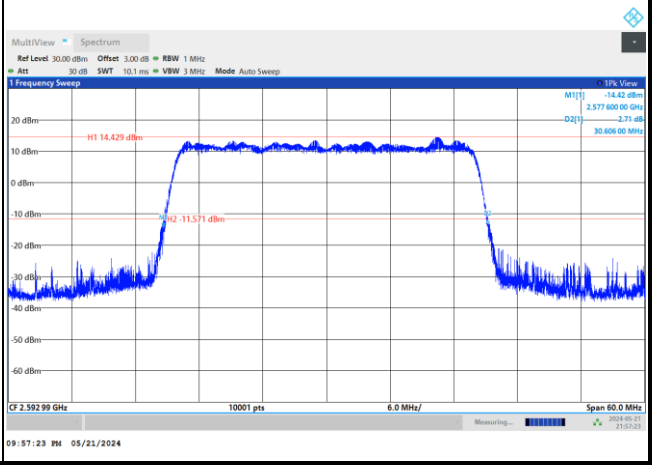
FR1 n41 (PC1.5) / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

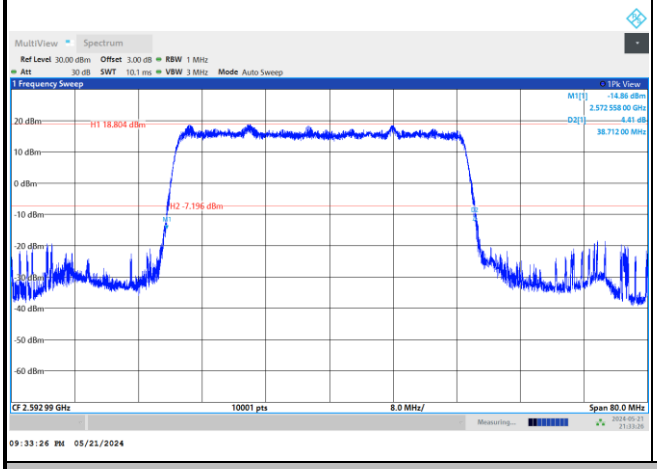
FR1 n41 (PC1.5) / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

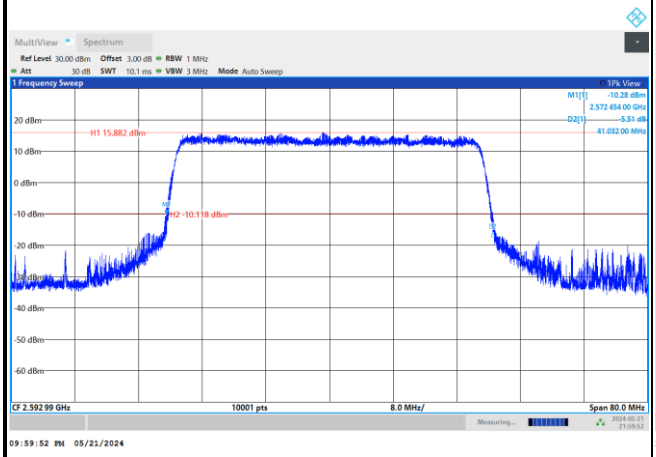
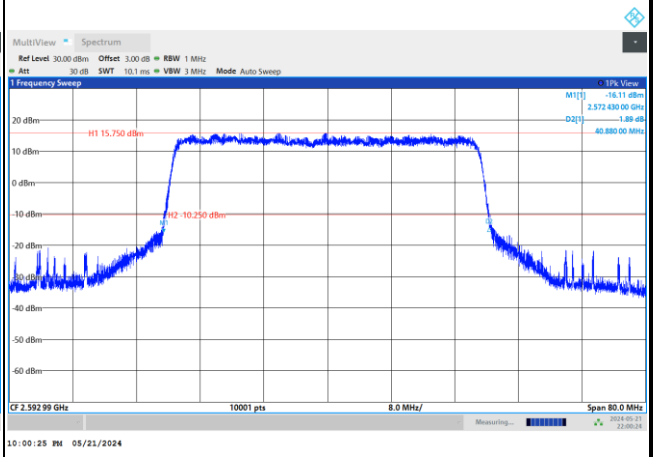
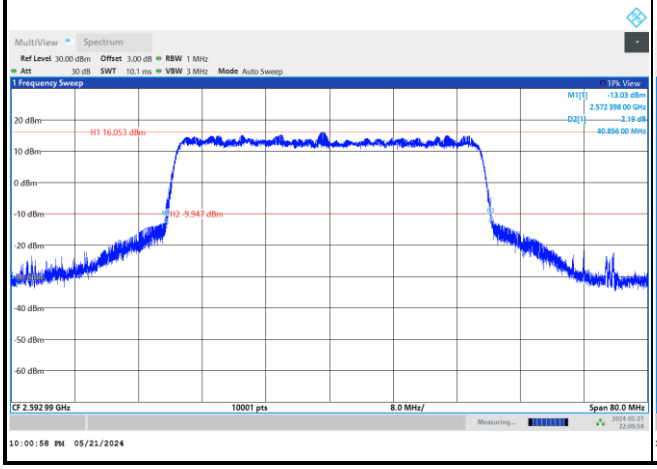
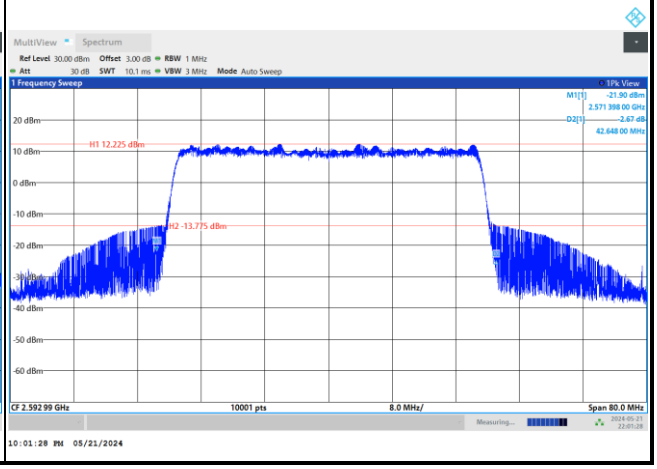
FR1 n41 (PC1.5) / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

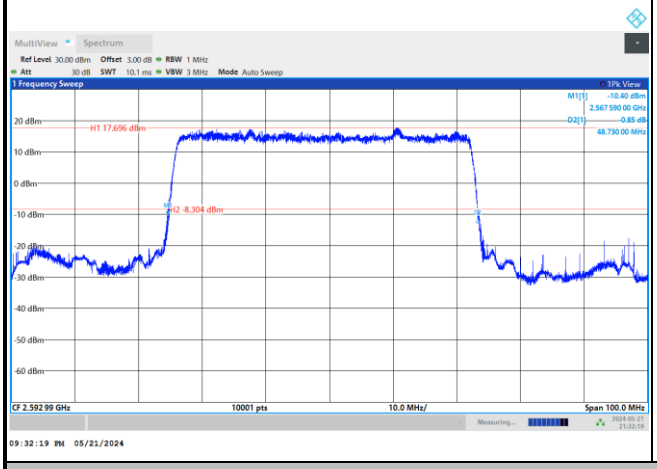
FR1 n41 (PC1.5) / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

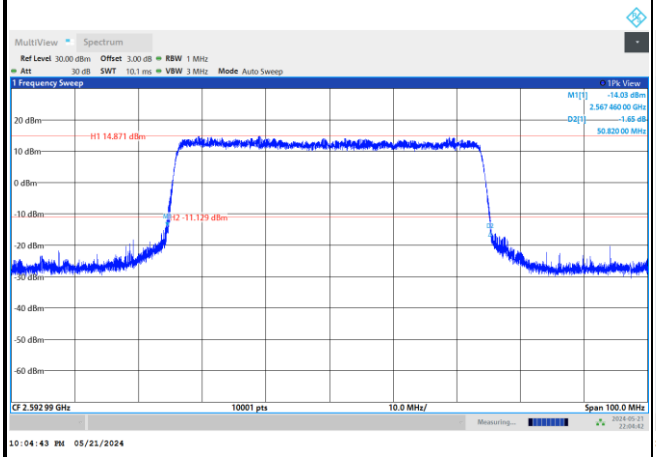
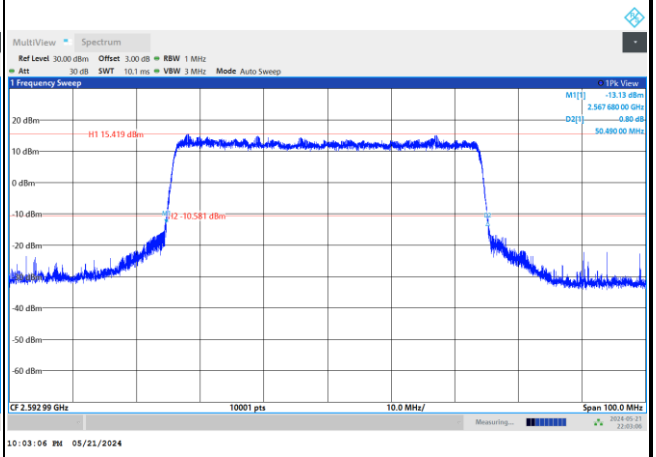
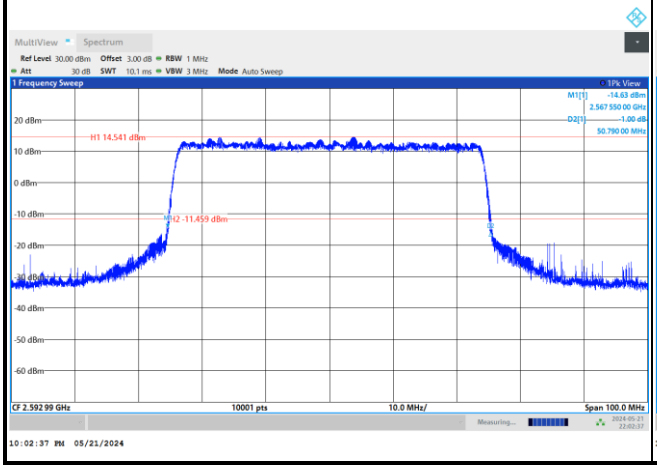
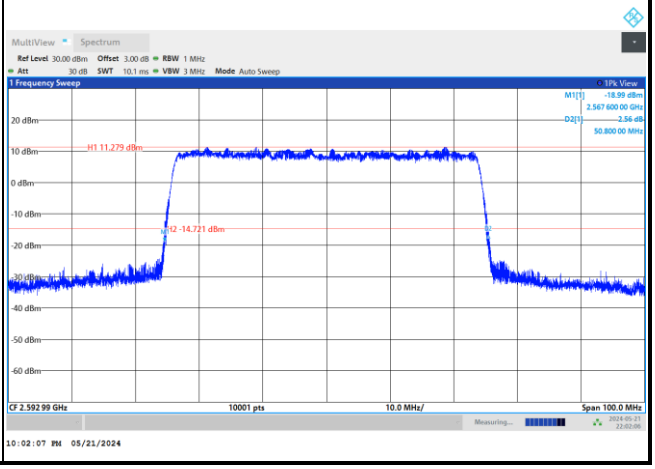
FR1 n41 (PC1.5) / 30MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

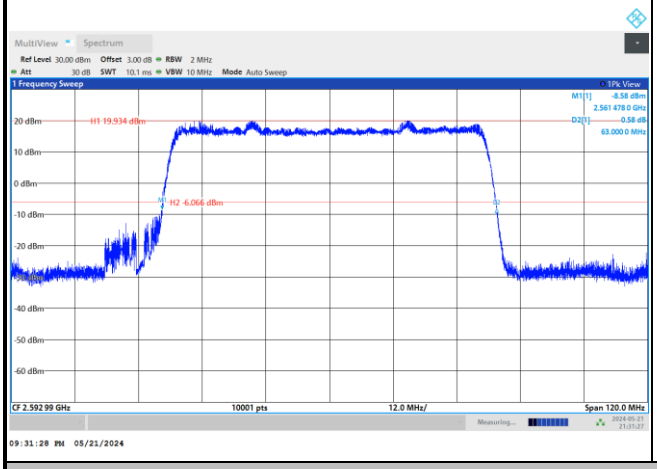
FR1 n41 (PC1.5) / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

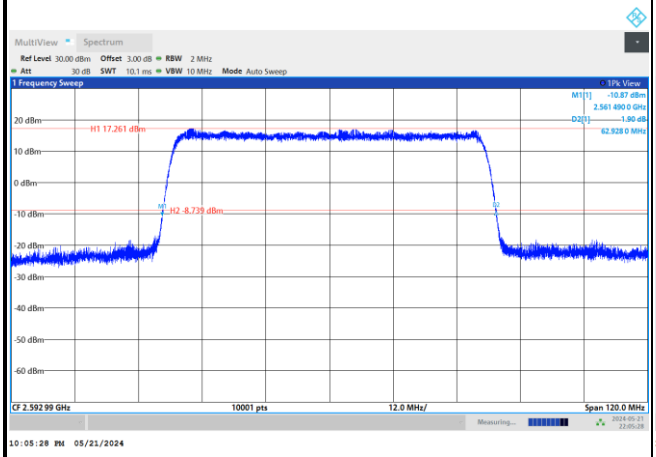
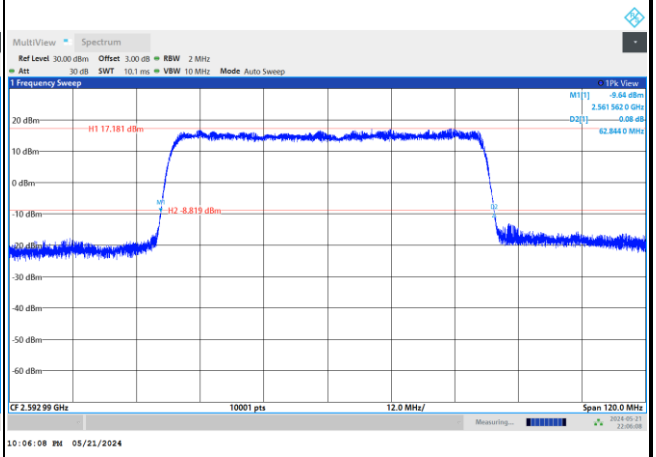
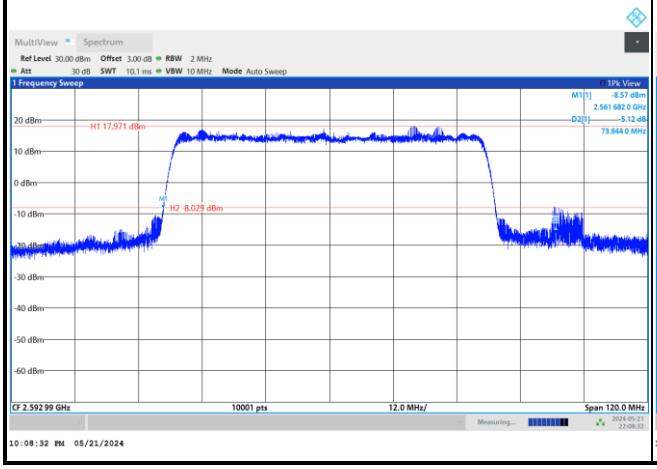
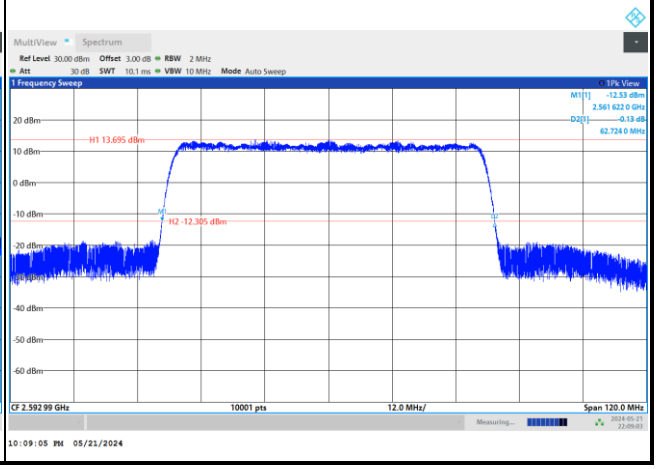
FR1 n41 (PC1.5) / 40MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

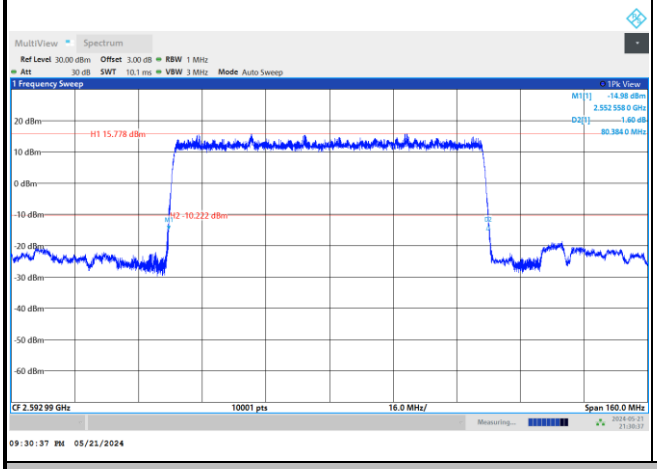
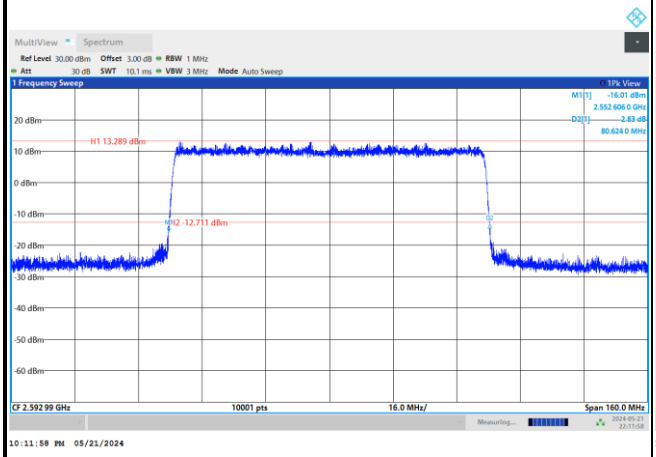
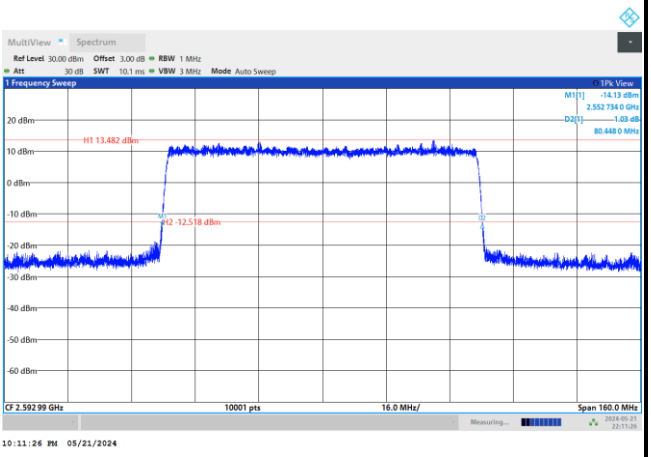
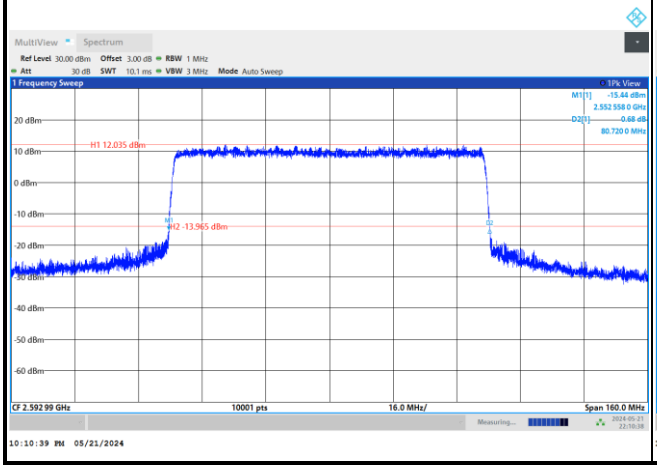
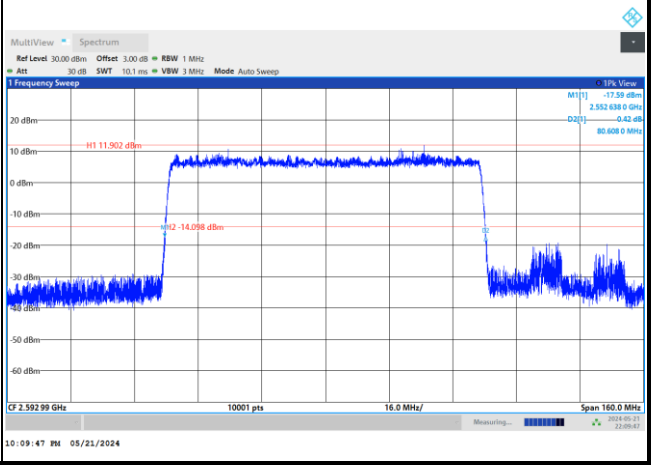
FR1 n41 (PC1.5) / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

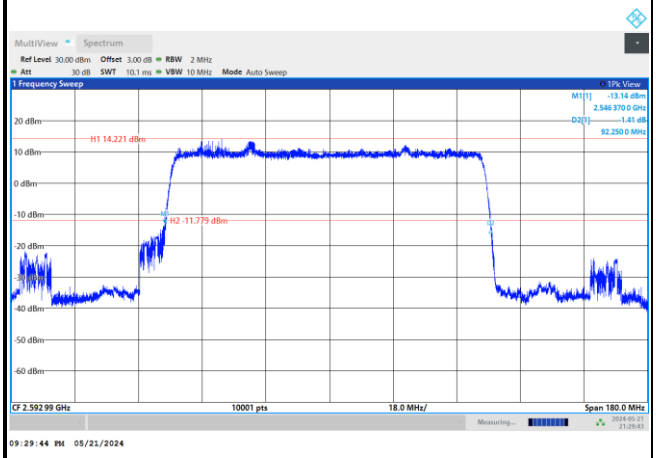
FR1 n41 (PC1.5) / 50MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

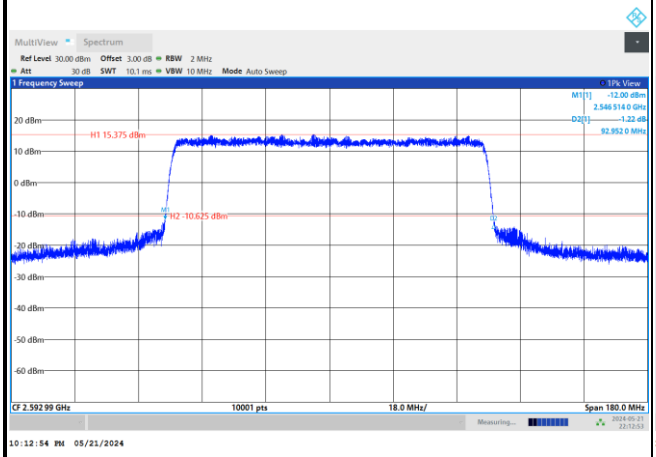
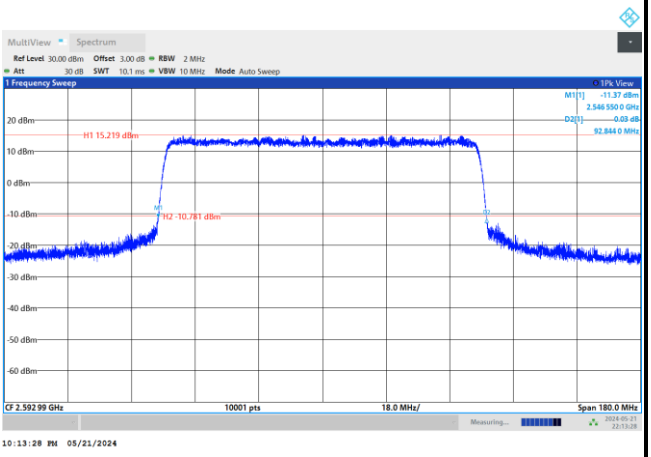
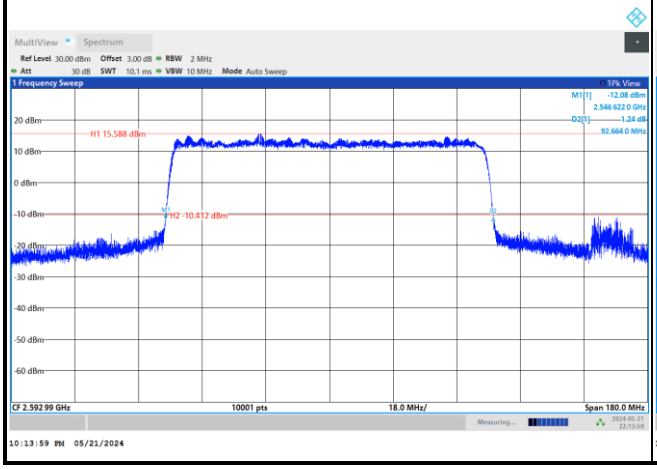
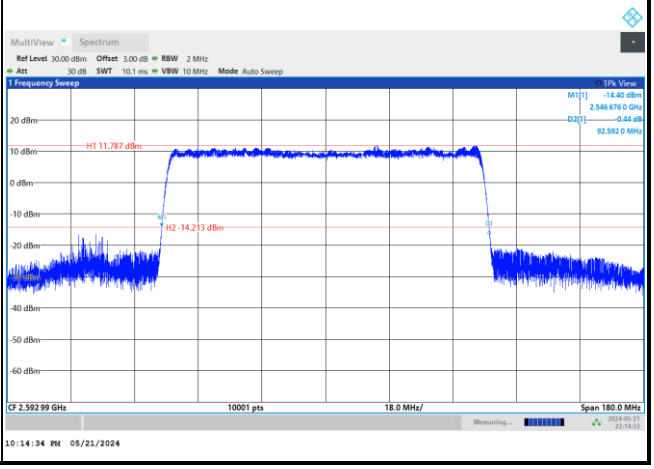
FR1 n41 (PC1.5) / 50MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

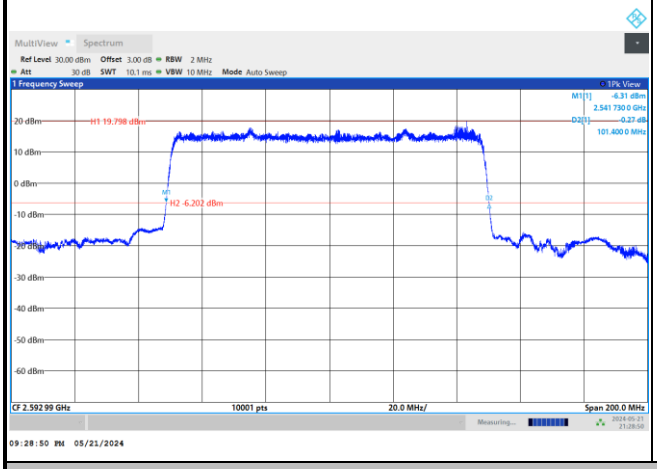
FR1 n41 (PC1.5) / 60MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

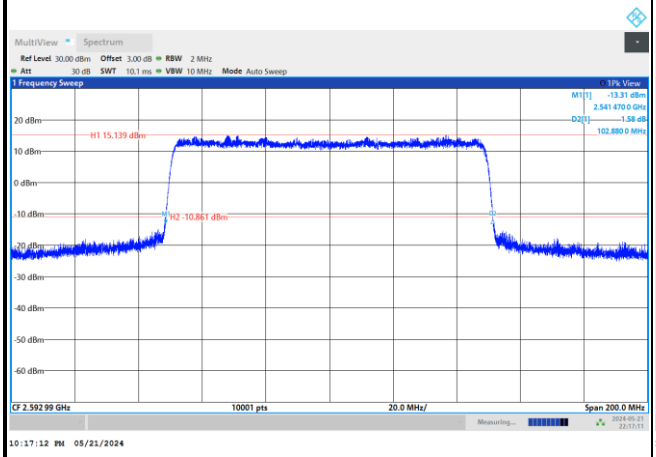
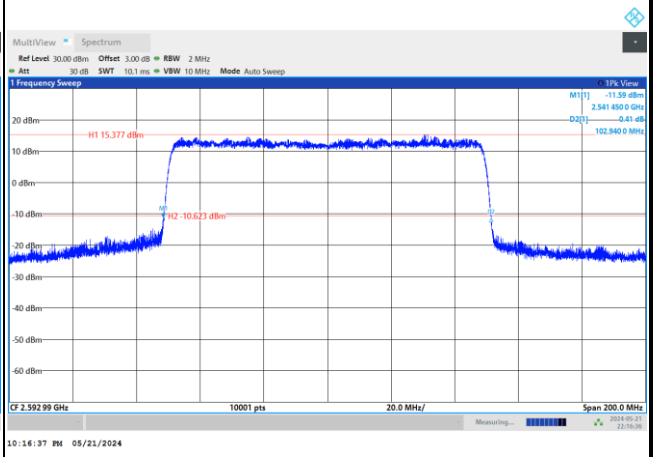
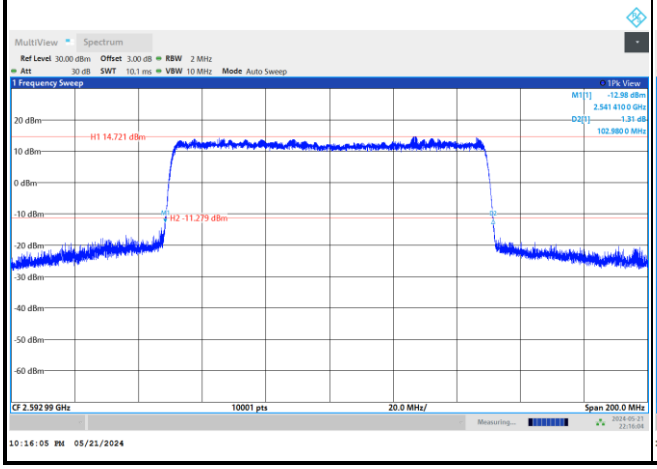
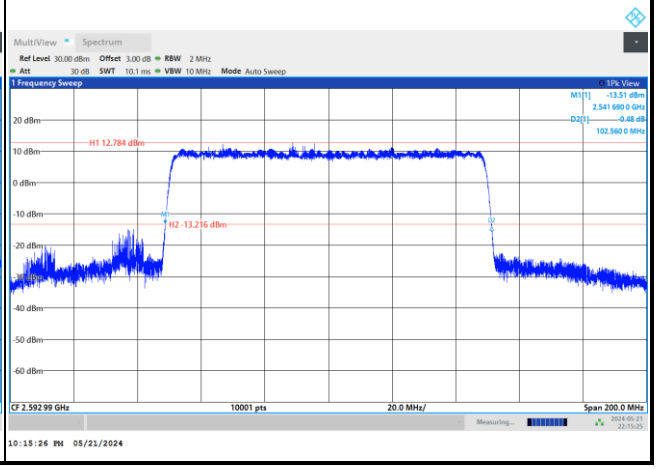
FR1 n41 (PC1.5) / 60MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n41 (PC1.5) / 80MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n41 (PC1.5) / 80MHz / CP OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

FR1 n41 (PC1.5) / 90MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n41 (PC1.5) / 90MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

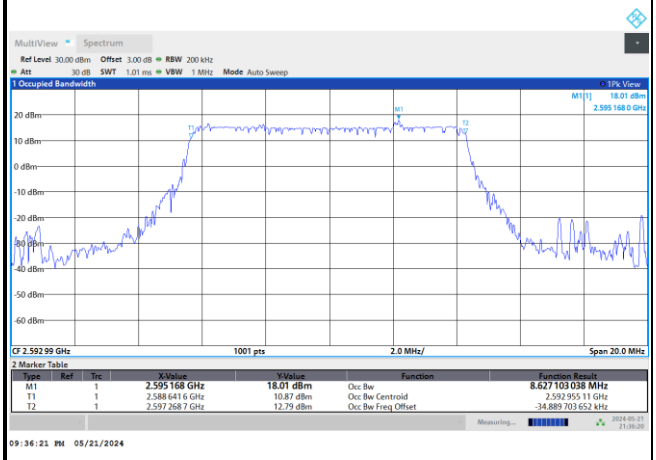
FR1 n41 (PC1.5) / 100MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

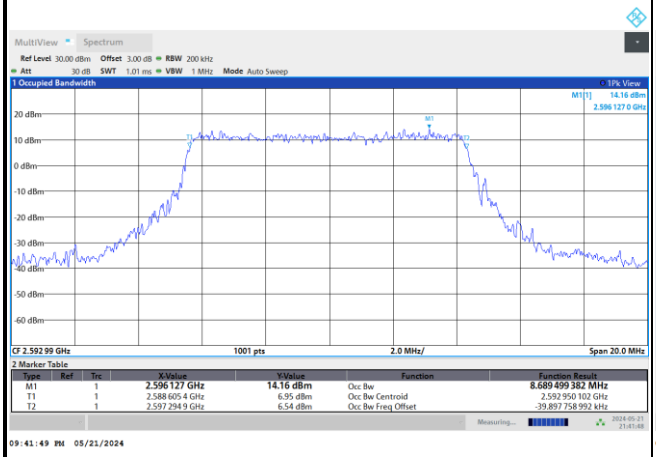
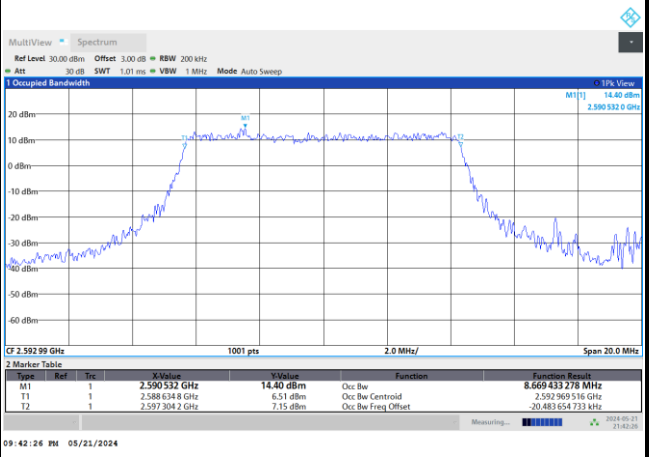
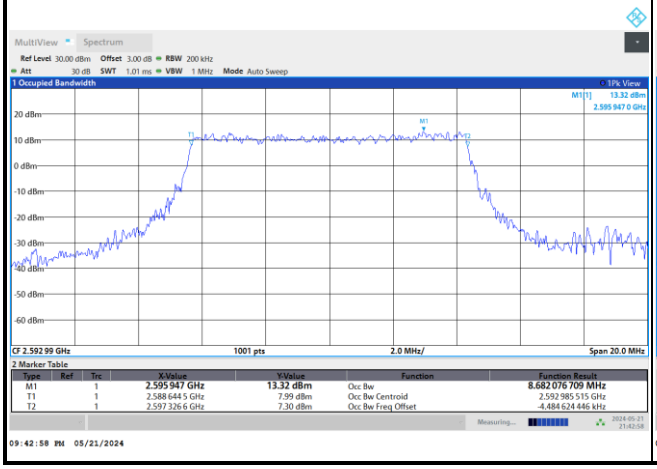
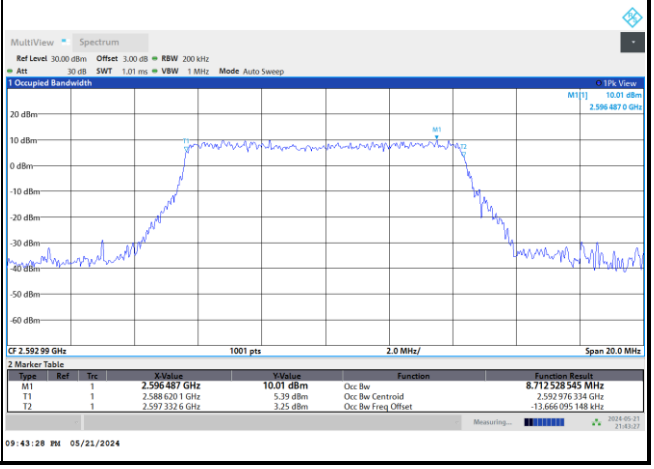
FR1 n41 (PC1.5) / 100MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

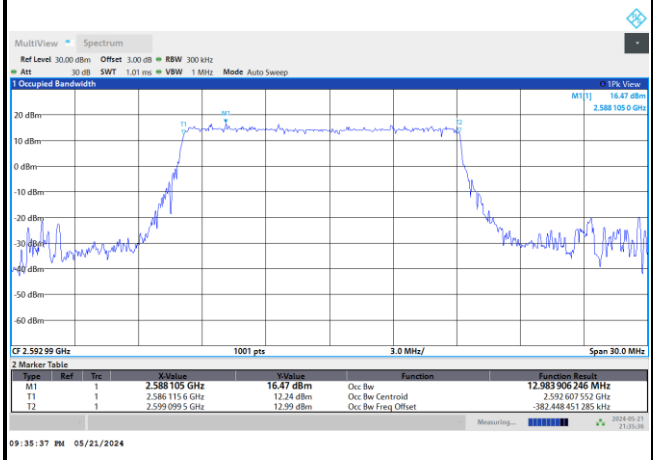
Occupied Bandwidth

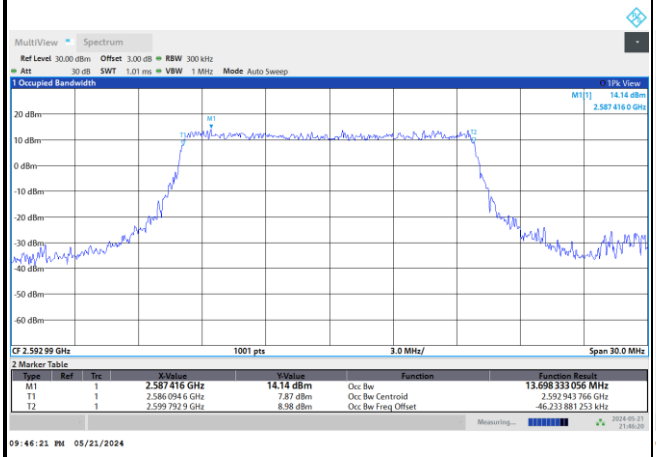
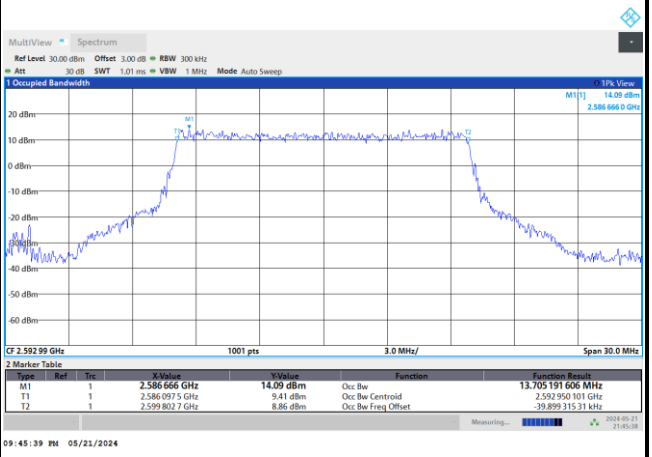
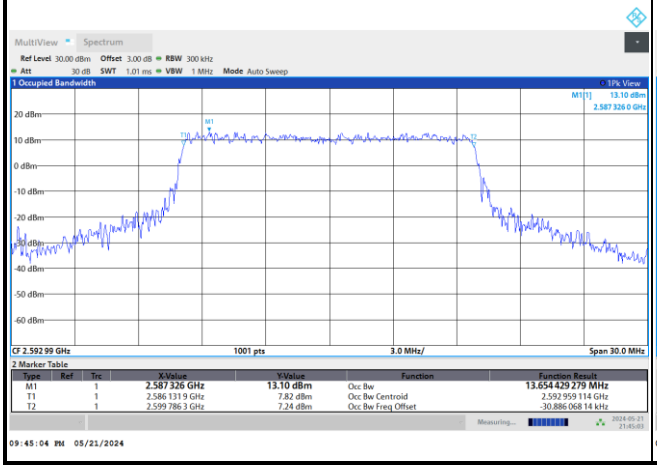
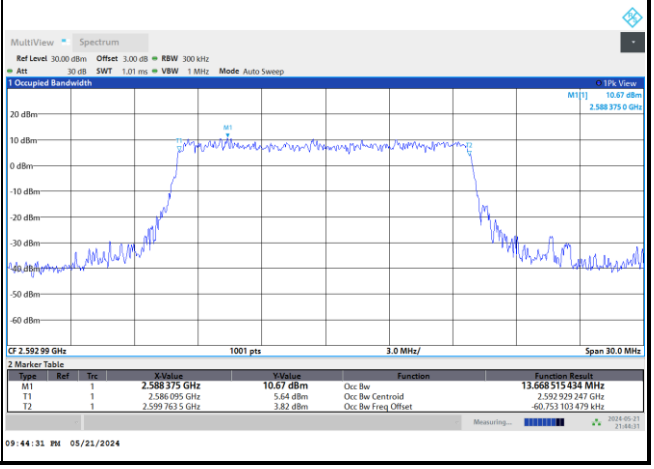
Mode	FR1 n41 (PC1.5) : OB BW(MHz) / DFT-S OFDM							
BW	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz	50MHz	60MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	8.62	12.98	18.05	-	27.21	35.96	45.94	58.53
BW	70MHz	80MHz	90MHz	100MHz				
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK				
Middle CH	-	77.58	86.99	96.85				

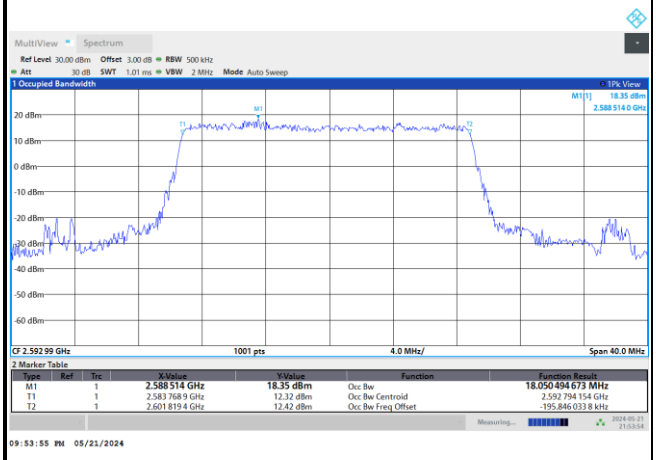
Mode	FR1 n41 (PC1.5) : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.68	8.66	13.69	13.70	18.36	18.41	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.68	8.71	13.65	13.66	18.41	18.34	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.19	28.16	38.04	38.05	47.66	47.61	58.42	58.49
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.28	28.13	38.08	37.96	47.68	47.61	58.60	58.45
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	77.81	77.91	87.81	87.70	97.78	97.62
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	77.88	77.81	87.84	87.80	97.90	97.62

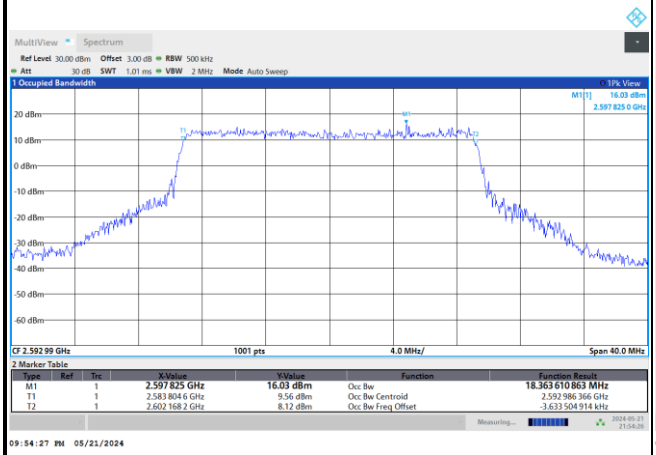
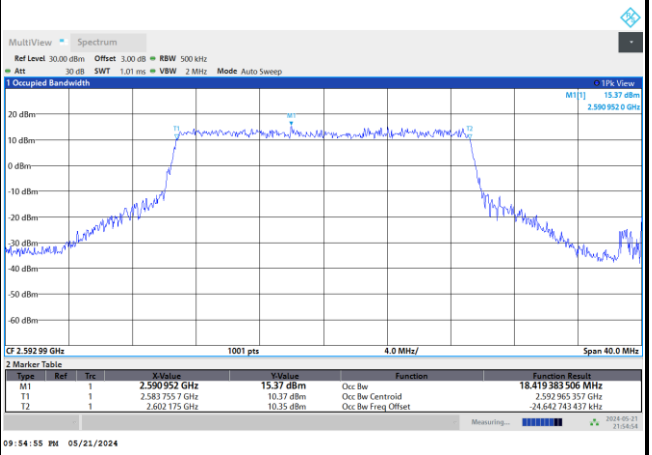
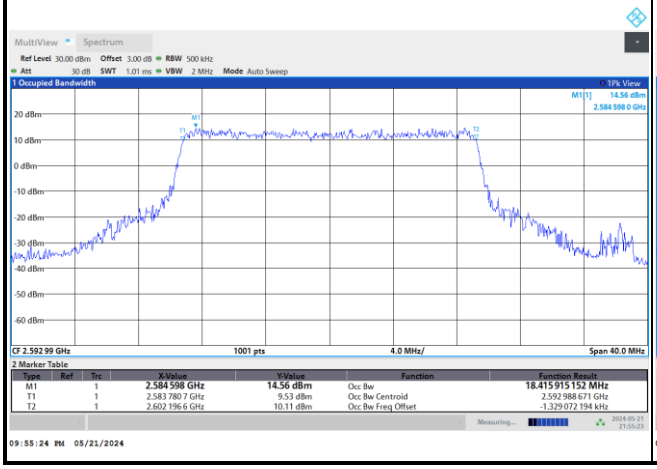
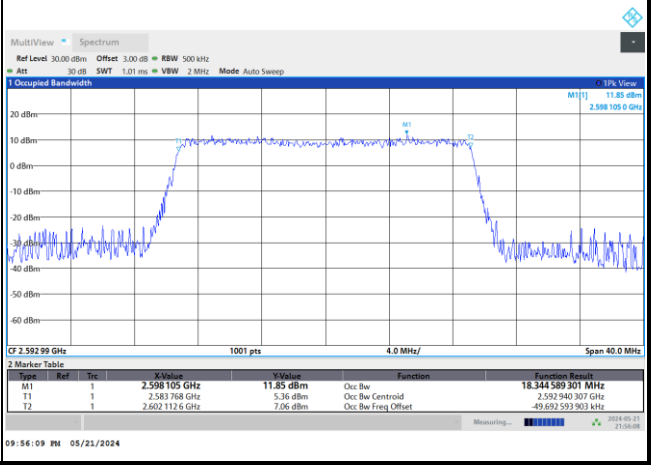
FR1 n41 (PC1.5) / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

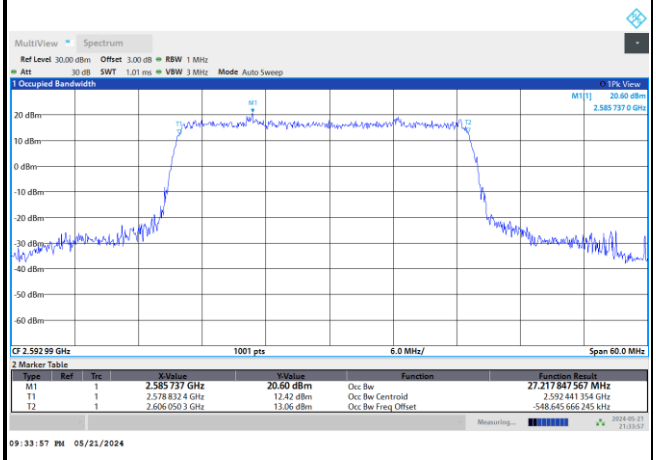
FR1 n41 (PC1.5) / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

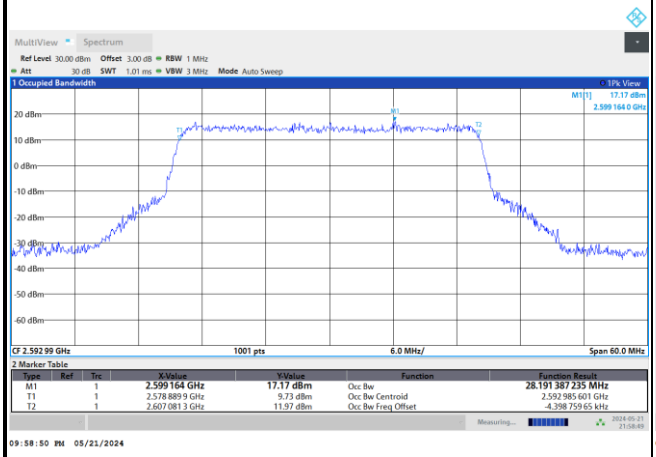
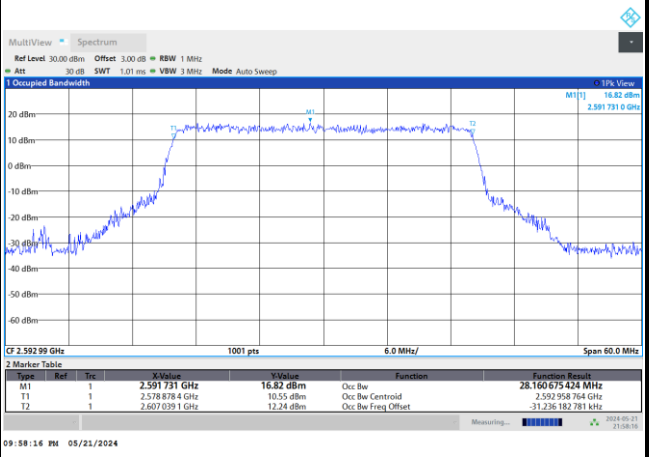
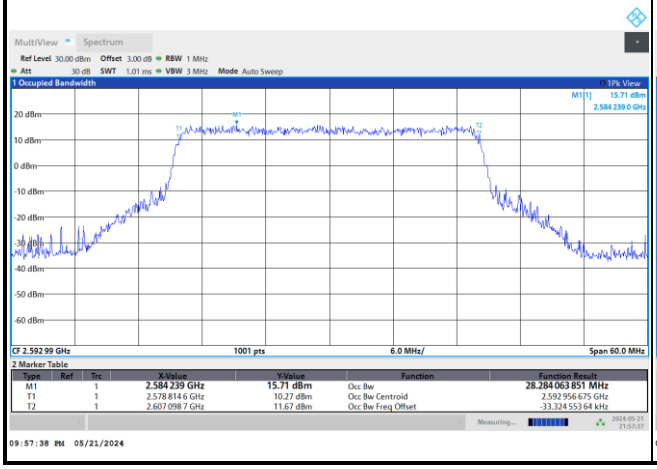
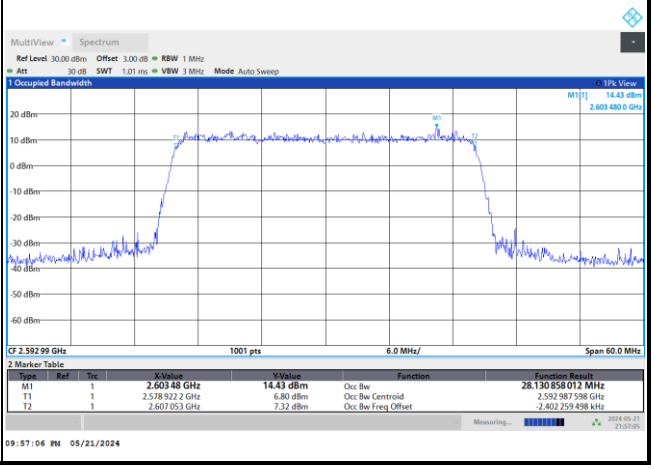
FR1 n41 (PC1.5) / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

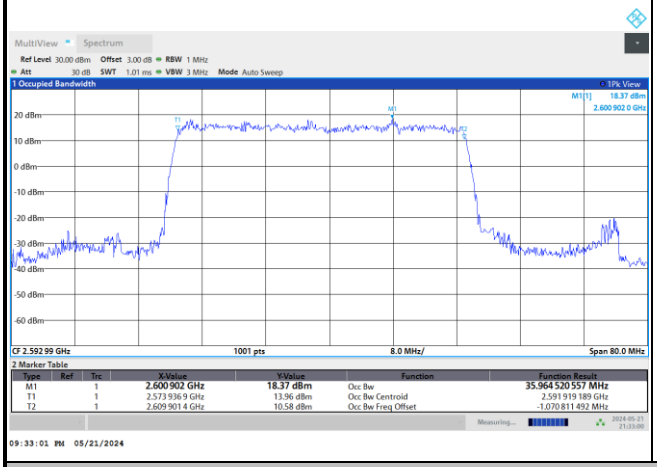
FR1 n41 (PC1.5) / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

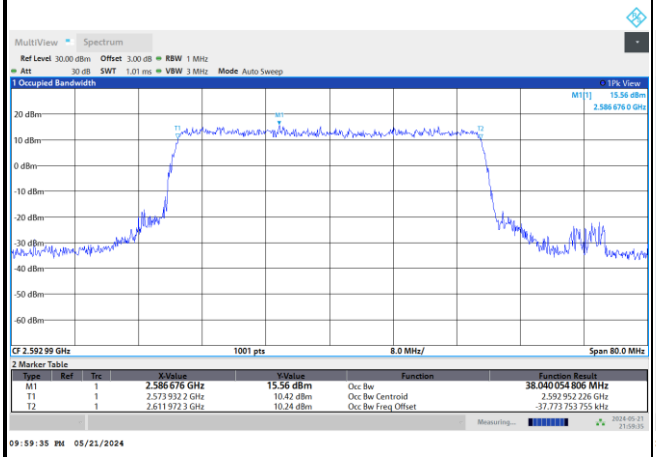
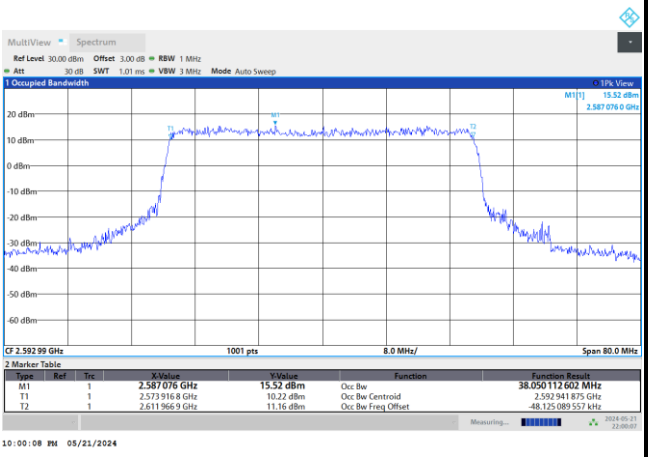
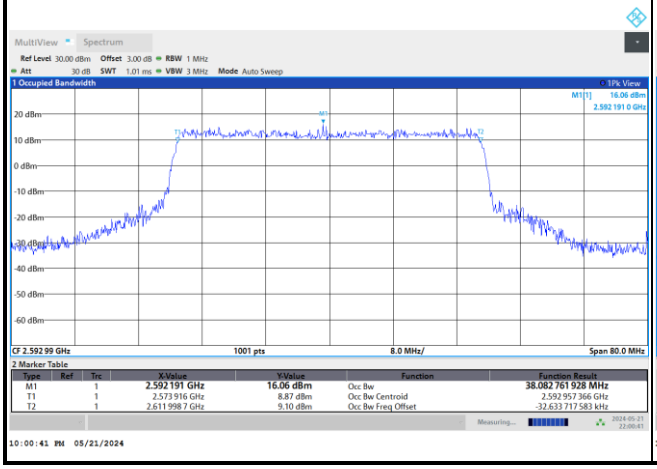
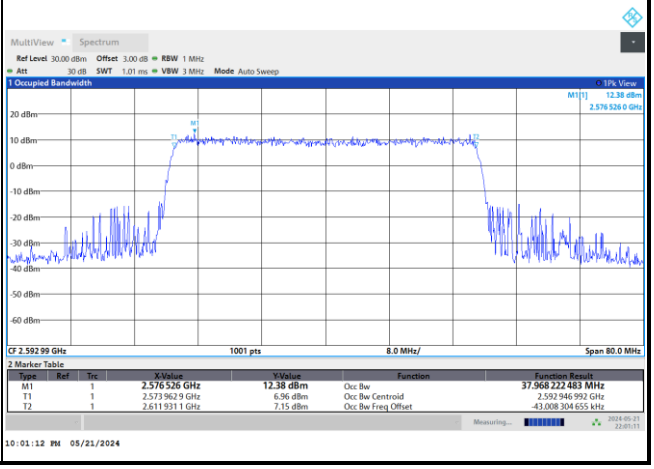
FR1 n41 (PC1.5) / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

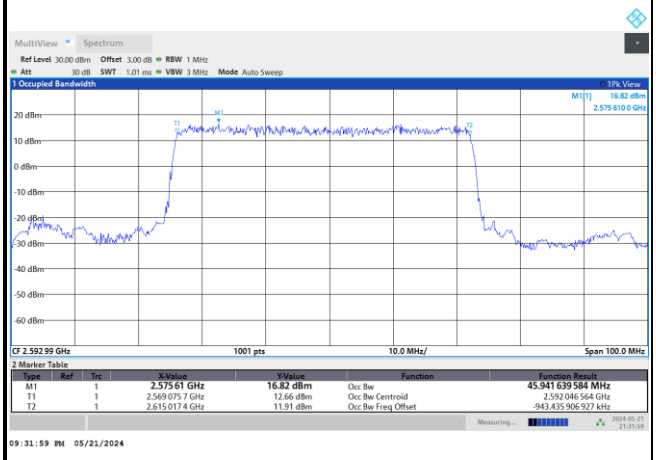
FR1 n41 (PC1.5) / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

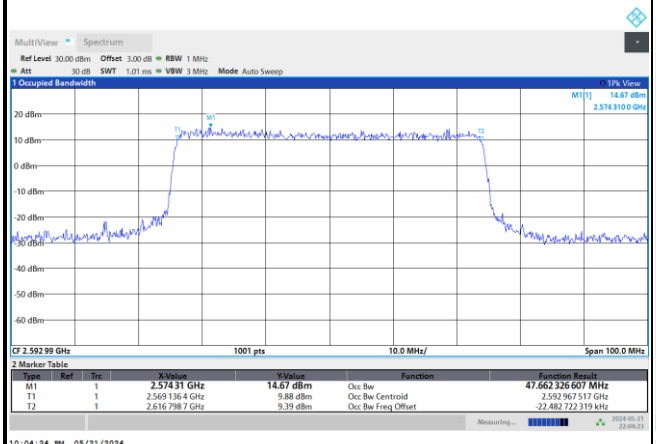
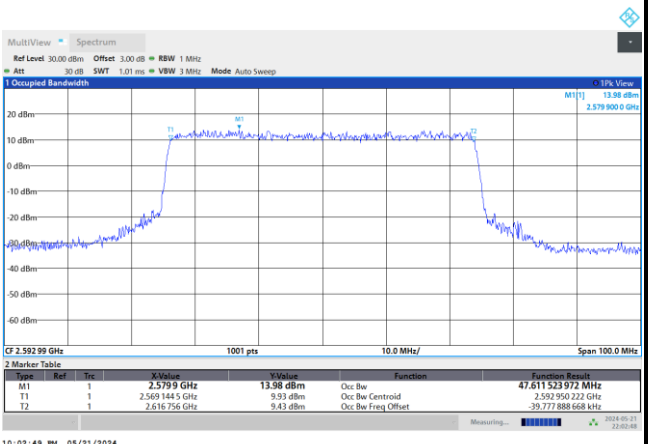
FR1 n41 (PC1.5) / 30MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n41 (PC1.5) / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n41 (PC1.5) / 40MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n41 (PC1.5) / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n41 (PC1.5) / 50MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n41 (PC1.5) / 50MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM