



Report No.: FG451315B

FCC RADIO TEST REPORT

FCCID : HFS-QTAWUA **Equipment** : 5G USB Modem

Model Name : QTAWUA

Applicant : Quanta Computer Inc.

NO.188, Wenhua 2nd Rd., Guishan Dist.,

Taoyuan City 33377, Taiwan

Manufacturer : Quanta Computer Inc.

NO.188, Wenhua 2nd Rd., Guishan Dist.,

Taoyuan City 33377, Taiwan

Standard : FCC 47 CFR Part 2, 96

The product was received on May 31, 2024 and testing was performed from Jun. 07, 2024 to Jul. 11, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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

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History of this test report

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Report No.	Version	Description	Issue Date
FG451315B	01	Initial issue of report	Dec. 24, 2024

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Summary of Test Result

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
3.3	§96.41	Peak-to-Average Ratio	Pass	-
3.4	§96.41	Effective Isotropic Radiated Power	Pass	-
3.5	§2.1049 §96.41	Occupied Bandwidth	Pass	-
3.6	§2.1051 §96.41	Conducted Band Edge Measurement	Pass	-
3.7	§2.1051 §96.41	Conducted Spurious Emission	Conducted Spurious Emission Pass	
3.8	§2.1055	Frequency Stability for Temperature & Voltage	Pass	-
4.4	§2.1053 §96.41 Radiated Spurious Emission		Pass	12.90 dB under the limit at 14645.00 MHz

Conformity Assessment Condition:

- 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: Keven Cheng Report Producer: Lucy Wu

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1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature				
General Specs				
LTE and 5G NR.				
Antenna Type				
WWAN: PIFA Antenna				

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Support band and evaluated information			
Supported band	n48		
Evaluated and Tested band	n48		

TDD band Power Class				
	PC3	PC2		
n48	V			

Antenna information					
Band	Ant. 1	Ant. 6	Main Ant. #		
n48	1.6	1.6	1		

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

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1.3 Testing Site

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.		
lest Site No.	TH03-HY		
Test Engineer	George Chen		
Temperature (°C)	21~24		
Relative Humidity (%)	52~58		

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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.			
rest Site No.	03CH16-HY (TAF Code: 3786)			
Test Engineer	Bill Chang, Gary Guo and Steven Wu			
Temperature (°C)	19.1~22.3			
Relative Humidity (%)	62.5~68.3			
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 Applied Standards

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

- ANSI C63.26-2015
- FCC 47 CFR Part 2, 96
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01

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.

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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.

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

Modulation Type	Modulation	Modulation Type	Modulation
Α	DFT-s-OFDM pi/2 BPSK	N/A	N/A
В	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
С	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	Н	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM		CP-OFDM 256QAM

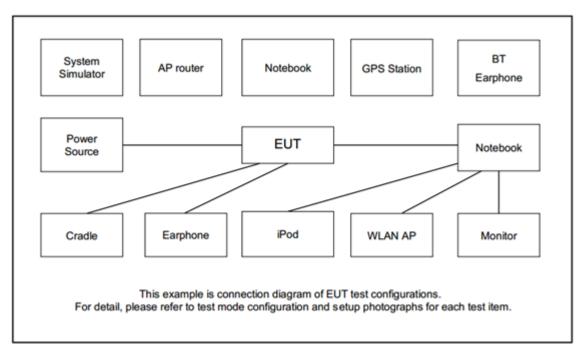
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E	20 MHz	Outer_Full	М
Bandwidth	A, F, G, H, I	All	Outer_Full	М
ACLR, Mask (Part 96)	A, B, C, D, E, F	All	Outer_1RB Outer_Full	L, M, H
CSE	В	All	Inner_1RB	L, M, H
Frequency Stability	А	20 MHz	Outer_Full	M
RSE	Α	Maximum	Inner_1RB	L, M, H

Remark:

- Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
- 2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
- 3. One representative bandwidth is selected to perform PAR and frequency stability.
- 4. 5G NR n48 support SISO Mode Antenna 1 (Main Ant.) and Antenna 6 (CA Ant.), Radiated Spurious Emission is full test, Conducted test items are verified and the worst case is Antenna 1. Therefore the report only performed Antenna 1 test results.
- 5. 5G NR n48 support SCS 15KHz & 30KHz, Conducted & Radiated test items are verified and the worst case is SCS 30KHz. Therefore, the report only performed SCS 30KHz test results.

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2.2 Connection Diagram of Test System



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2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	5G Wireless Test Platform	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	Adapter	MIBO	MB-21244274	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.5 dB and 10dB attenuator.

Example:

Offset(dB) = RF cable loss(dB) + attenuator factor(dB). = 4.5 + 10 = 14.5 (dB)

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2.5 Frequency List of Low/Middle/High Channels

	5G NR n48 Channel and Frequency List									
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest						
40	Channel	638000	641666	645332						
40	Frequency	3570	3624.99	3679.98						
	Channel	637668	641666	645666						
30	Frequency	3565.02	3624.99	3684.99						
20	Channel	637334	641666	646000						
20	Frequency	3560.01	3624.99	3690						
45	Channel	637168	641666	646166						
15	Frequency	3557.52	3624.99	3692.49						
10	Channel	637000	641666	646332						
10	Frequency	3555	3624.99	3694.98						

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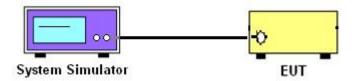
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

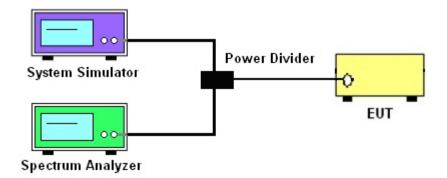
3.1.1 Test Setup

3.1.2 Conducted Output Power

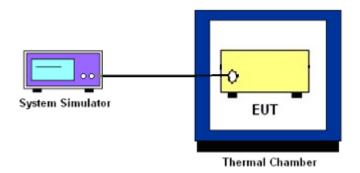


3.1.3 EIRP, Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge, and Conducted Spurious Emission

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3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

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3.2 Conducted Output Power Measurement

3.2.1 Description of the Conducted Output Power Measurement

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

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3.2.2 Test Procedures

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

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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.

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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.

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3.4 EIRP

3.4.1 Description of the EIRP Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for 5G NR n48.

The testing follows ANSI C63.26-2015 Section 5.2.5.5.

According to KDB 412172 D01 Power Approach,

EIRP = PT + GT - LC, where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

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

Device	Maximum EIRP	Maximum PSD
Device	(dBm/10 MHz)	(dBm/MHz)
End User Device	23	n/a

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Remark: Total channel power is complied with EIRP limit 23dBm/10MHz.

3.4.2 Test Procedures

The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Part 96 CBRS Eqpt v03 Section 3.2(b)(2)

Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.

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3.5 Occupied Bandwidth

3.5.1 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

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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.

3.5.2 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.

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3.6 Conducted Band Edge

3.6.1 Description of Conducted Band Edge Measurement

The conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

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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 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.

For Adjacent Channel Leakage Ratio (ACLR) measurement,

- The Adjacent Channel Leakage Ratio (ACLR) is the ratio of the average power in the assigned aggregated channel bandwidth to the average power over the equivalent adjacent channel bandwidth.
- 2. The option ACLR of spectrum analyzer is used and measures the ACLR ratio by setting equivalent channel bandwidth.
- 3. The measured ACLR ratio shall be at least 30 dB.

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3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

96.41 (e)(2)

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

- 1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- 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.

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- 3. The middle channel for the highest RF power within the transmitting frequency was measured.
- 4. The conducted spurious emission for the whole frequency range was taken.
- 5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
- 6. Set spectrum analyzer with RMS detector.
- 7. Taking the record of maximum spurious emission.
- 8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 9. The limit line is -40dBm/MHz.

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3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

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3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

- The EUT was placed in a temperature chamber at 25±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.

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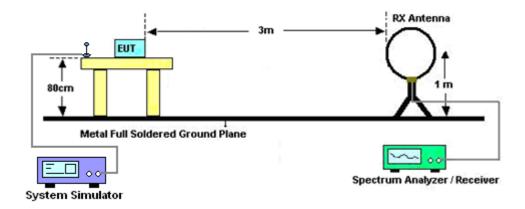
4 Radiated Test Items

4.1 Measuring Instruments

See list of measuring instruments of this test report.

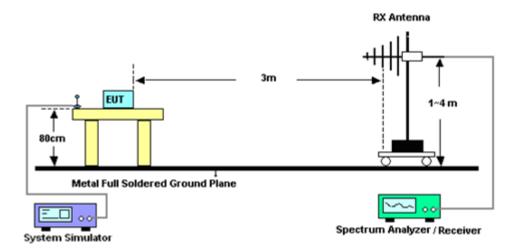
4.2 Test Setup

For radiated test below 30MHz



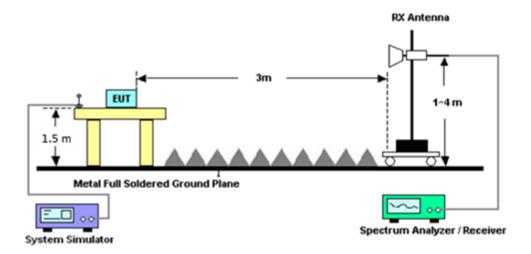
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For radiated test from 30MHz to 1GHz



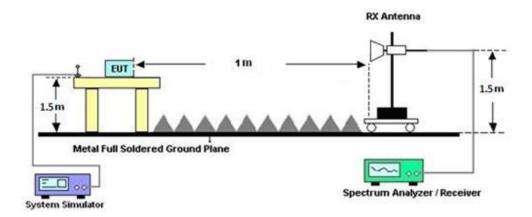
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For radiated test from 1GHz to 18GHz



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For radiated test above 18GHz



4.3 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.

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4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz

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

4.4.2 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.

- 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 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 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
- 5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
- Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
- 7. 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

- 8. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level Preamp Factor.
- 9. ERP (dBm) = EIRP (dBm) 2.15
- The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Jun. 13, 2024~ Jul. 11, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Jun. 13, 2024~ Jul. 11, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Jun. 13, 2024~ Jul. 11, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 28, 2024	Jun. 13, 2024~ Jul. 11, 2024	Mar. 27, 2025	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	Jun. 13, 2024~ Jul. 01, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 02, 2024	Jul. 02, 2024~ Jul. 11, 2024	Jul. 01, 2025	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Jun. 13, 2024~ Jul. 11, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Jun. 13, 2024~ Jul. 11, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Jun. 13, 2024~ Jul. 11, 2024	May 26, 2025	Radiation (03CH16-HY)
Filter	Wainw right	WLK4-1000-1530- 8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Jun. 13, 2024~ Jul. 11, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainw right	WHKX12-900-100 0-15000-60SS	SN11	1GHz High Pass Filter	Mar. 13, 2024	Jun. 13, 2024~ Jul. 11, 2024	Mar. 12, 2025	Radiation (03CH16-HY)
Filter	Wainw right	WHKX12-2700-30 00-18000-60ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	Jun. 13, 2024~ Jun. 27, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainw right	WHKX12-2700-30 00-18000-60ST	SN3	3GHz High Pass Filter	Jun. 28, 2024	Jun. 28, 2024~ Jul. 11, 2024	Jun. 27, 2025	Radiation (03CH16-HY)
Filter	Wainw right	WHKX8-5872.5-6 750-18000-40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	Jun. 13, 2024~ Jul. 11, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Jun. 13, 2024~ Jul. 11, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5 757,805935/ 4,802434/4	30MHz~18GHz	Aug. 08, 2023	Jun. 13, 2024~ Jul. 11, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,80 4012/2	18-40GHz	Jan. 02, 2024	Jun. 13, 2024~ Jul. 11, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Softw are	Audix	E3 230621 V9	RK-002393	N/A	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 13, 2024~ Jul. 11, 2024	N/A	Radiation (03CH16-HY)

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Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
DC Pow er Supply	GW Instek	GPE2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Jun. 07, 2024~ Jul. 11, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Sep. 26, 2023	Jun. 07, 2024~ Jul. 11, 2024	Sep. 25, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	Jun. 07, 2024~ Jul. 11, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116725	LTE	Oct. 25, 2023	Jun. 07, 2024~ Jul. 11, 2024	Oct. 24, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 24, 2023	Jun. 07, 2024~ Jul. 11, 2024	Oct. 23, 2024	Conducted (TH03-HY)
Pow er divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2023	Jun. 07, 2024~ Jun. 11, 2024	Jun. 12, 2024	Conducted (TH03-HY)
Pow er divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Jun. 13, 2024~ Jul. 11, 2024	Jun. 12, 2025	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	May 14, 2024	Jun. 07, 2024~ Jul. 11, 2024	May 13, 2025	Conducted (TH03-HY)
Softw are 1	Sporton	FCC 5GNR_FSV30 44_20231106	N/A	Conducted Test Item	N/A	Jun. 07, 2024~ Jul. 11, 2024	N/A	Conducted (TH03-HY)

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6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of	3.299 dB
Confidence of 95% (U = 2Uc(y))	3.299 UB

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

Measuring Uncertainty for a Level of	3.55 dB
Confidence of 95% (U = 2Uc(y))	3.33 dB

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

Measuring Uncertainty for a Level of	4.02 dB
Confidence of 95% (U = 2Uc(y))	4.02 UB

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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

<SCS 15kHz>

		NR n48 M	aximum Avei	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1		20.50	20.37	20.28		
10	1	50		20.52	20.48	20.33		
10	25	12	PI/2 BPSK	20.59	20.33	20.21		
10	1	0	PI/2 BP3K	19.97	19.93	19.75		
10	1	51		19.97	19.96	19.72		0.1656
10	50	0		20.02	19.82	19.73	22.19	
10	1	1		20.48	20.32	20.03		
10	1	50		20.42	20.36	20.07		
10	25	12	QPSK	20.56	20.37	20.16		
10	1	0	QFSK	19.41	19.34	19.13		
10	1	51		19.31	19.45	18.98		
10	50	0		19.56	19.31	19.26		
10	1	1	16-QAM	19.64	19.47	19.39		
10	1	1	64-QAM	18.12	18.21	17.88	21.24	0.1330
10	1	1	256-QAM	16.11	16.21	15.65		
Limit	EIR	o < 23dBm/	10MHz		Result		Pa	ISS

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		NR n48 Ma	aximum Avei	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1		20.54	20.40	20.12		
15	1	77		20.55	20.27	20.24		
15	36	18	PI/2 BPSK	20.61	20.38	20.21		
15	1	0	PI/2 BP3K	19.87	19.88	19.54		
15	1	78		19.94	19.82	19.72		0.1663
15	75	0		20.08	19.85	19.67	22.21	
15	1	1		20.42	20.39	19.97		
15	1	77		20.41	20.28	20.06		
15	36	18	QPSK	20.55	20.40	20.20		
15	1	0	QFSK	19.33	19.28	18.90		
15	1	78		19.40	19.28	19.16		
15	75	0		19.62	19.35	19.23		
15	1	1	16-QAM	19.35	19.50	18.92		
15	1	1	64-QAM	18.38	18.06	17.83	21.10	0.1288
15	1	1	256-QAM	16.26	16.14	15.78		
Limit	EIRF	o < 23dBm/	10MHz		Result		Pa	ISS

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

		NR n48 Ma	aximum Aver	age Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1		20.56	20.54	20.20		
20	1	104		20.75	20.41	20.35		
20	50	25	PI/2 BPSK	20.62	20.42	20.22		
20	1	0	FIIZ BF3K	20.04	20.02	19.82		
20	1	105		20.26	19.94	19.81		
20	100	0		20.14	19.90	19.71	22.35	0.1718
20	1	1		20.52	20.55	20.16		
20	1	104		20.54	20.34	20.19		
20	50	25	QPSK	20.60	20.37	20.28		
20	1	0	QFSK	19.53	19.54	19.25		
20	1	105		19.66	19.39	19.19		
20	100	0		19.64	19.37	19.23		
20	1	1	16-QAM	19.48	19.62	18.95		
20	1	1	64-QAM	18.27	18.21	17.95	21.22	0.1324
20	1	1	256-QAM	16.39	16.34	15.94		
Limit	EIRI	o < 23dBm/	10MHz		Result		Pa	ISS

		NR n48 Ma	aximum Aver	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1		20.48	20.46	20.13		
30	1	158		20.50	20.23	20.19		
30	80	40	PI/2 BPSK	20.60	20.42	20.18		
30	1	0	FIIZ BF3K	20.03	19.94	19.72		
30	1	159		19.99	19.81	19.66		0.1660
30	160	0		20.02	19.80	19.67	22.20	
30	1	1		20.39	20.42	20.19		
30	1	158		20.48	20.30	20.22		
30	80	40	QPSK	20.56	20.35	20.20		
30	1	0	QFSK	19.55	19.41	19.19		
30	1	159		19.45	19.25	19.17		
30	160	0		19.57	19.38	19.20		
30	1	1	16-QAM	19.42	19.31	19.25		
30	1	1	64-QAM	18.51	18.23	18.00	21.02	0.1265
30	1	1	256-QAM	16.12	16.05	15.86		
Limit	EIRF	o < 23dBm/	10MHz		Result		Pa	iss

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

		NR n48 M	aximum Avei	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1		20.71	20.64	20.57		
40	1	214		20.55	20.39	20.39		
40	108	54	PI/2 BPSK	20.56	20.35	20.21		
40	1	0	FIIZ BF3K	20.33	20.23	19.99		
40	1	215		20.21	19.92	19.90		0.1710
40	216	0		20.07	19.82	19.78	22.33	
40	1	1		20.73	20.61	20.52		
40	1	214		20.51	20.30	20.36		
40	108	54	QPSK	20.56	20.38	20.31		
40	1	0	QFSK	19.72	19.69	19.42		
40	1	215		19.51	19.35	19.34		
40	216	0		19.61	19.34	19.29		
40	1	1	16-QAM	19.82	19.51	19.30		
40	1	1	64-QAM	18.55	18.31	18.07	21.42	0.1387
40	1	1	256-QAM	16.36	16.33	16.02		
Limit	EIR	< 23dBm/	10MHz		Result		Pa	ISS

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

<SCS 30kHz>

		NR n48 M	aximum Aveı	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1		20.57	20.35	20.26		
10	1	22	PI/2 BPSK	20.45	20.31	20.22		
10	12	6		20.60	20.44	20.25		
10	1	0		20.06	19.95	19.81		0.1660
10	1	23		20.02	19.83	19.77		
10	24	0		20.05	19.87	19.72	22.20	
10	1	1	QPSK	20.53	20.50	20.26		
10	1	22		20.46	20.38	20.24		
10	12	6		20.59	20.38	20.28		
10	1	0	QFSK	19.60	19.54	19.33		
10	1	23		19.53	19.37	19.26		
10	24	0		19.64	19.35	19.28		
10	1	1	16-QAM	19.60	19.50	19.30		
10	1	1	64-QAM	18.56	18.35	17.82	21.20	0.1318
10	1	1	256-QAM	16.06	15.92	15.77		
Limit	EIRF	< 23dBm/	10MHz		Result	_	Pa	ISS

		NR n48 M	aximum Avei	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1		20.56	20.40	20.24		
15	1	36		20.53	20.36	20.23		
15	18	9	PI/2 BPSK	20.59	20.38	20.16		
15	1	0	FIIZ BF3K	20.10	19.92	19.77		0.1663
15	1	37		20.03	19.93	19.77		
15	36	0		20.12	19.90	19.66	22.21	
15	1	1		20.59	20.49	20.19		
15	1	36		20.52	20.37	20.24		
15	18	9	QPSK	20.61	20.43	20.20		
15	1	0	QFSK	19.60	19.43	19.21		
15	1	37		19.55	19.39	19.29		
15	36	0		19.59	19.41	19.25		
15	1	1	16-QAM	19.55	19.47	19.20		
15	1	1	64-QAM	18.44	18.34	17.98	21.15	0.1303
15	1	1	256-QAM	16.17	15.95	15.73		
Limit	Limit EIRP < 23dBm/10MHz			1 00 ID //	Result		Pa	ISS

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

		NR n48 M	aximum Aver	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1		20.65	20.48	20.34		
20	1	49		20.63	20.43	20.34		
20	25	12	PI/2 BPSK	20.57	20.38	20.21		0.1742
20	1	0	FIIZ BF3K	20.20	20.09	19.90		
20	1	50		20.12	19.90	19.89		
20	50	0		20.11	19.85	19.75	22.41	
20	1	1		20.81	20.61	20.31		
20	1	49		20.70	20.45	20.33		
20	25	12	QPSK	20.57	20.48	20.28		
20	1	0	QFSK	19.84	19.72	19.37		
20	1	50		19.86	19.36	19.44		
20	50	0		19.66	19.43	19.24		
20	1	1	16-QAM	19.75	19.67	19.37		
20	1	1	64-QAM	18.69	18.65	18.24	21.35	0.1365
20	1	1	256-QAM	16.46	16.18	15.89		
Limit	EIR	o < 23dBm/	10MHz		Result		Pa	ISS

		NR n48 Ma	aximum Aver	age Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1		20.55	20.46	20.27		
30	1	76		20.46	20.28	20.12		
30	36	18	PI/2 BPSK	20.57	20.40	20.19		
30	1	0	PI/2 BPSK	20.04	19.98	19.63		0.1648
30	1	77		20.00	19.75	19.66		
30	75	0		20.07	19.93	19.70	22.17	
30	1	1		20.55	20.45	20.27		
30	1	76		20.46	20.20	20.25		
30	36	18	QPSK	20.56	20.38	20.25		
30	1	0	QFSK	19.50	19.41	19.21		
30	1	77		19.46	19.21	19.24		
30	75	0		19.58	19.40	19.25		
30	1	1	16-QAM	19.55	19.44	19.27		
30	1	1	64-QAM	18.36	18.10	17.87	21.15	0.1303
30	1	1	256-QAM	16.17	15.93	15.72		
Limit	EIRF	o < 23dBm/	10MHz		Result		Pa	iss

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

		NR n48 M	aximum Avei	rage Powe	r [dBm] (G	T - LC = 1.	6 dB)	
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1		20.72	20.58	20.45		
40	1	104	PI/2 BPSK	20.52	20.33	20.36		
40	50	25		20.59	20.34	20.21		0.1706
40	1	0		20.22	20.25	20.03		
40	1	105		20.07	19.85	19.90		
40	100	0		20.08	19.83	19.73	22.32	
40	1	1		20.67	20.60	20.56		
40	1	104		20.55	20.28	20.40		
40	50	25	QPSK	20.63	20.32	20.22		
40	1	0	QFSK	19.71	19.66	19.54		
40	1	105		19.59	19.36	19.47		
40	100	0		19.56	19.34	19.27		
40	1	1	16-QAM	19.74	19.63	19.60		
40	1	1	64-QAM	18.48	18.18	18.03	21.34	0.1361
40	1	1	256-QAM	16.54	16.05	15.81		
Limit EIRP < 23dBm/10MHz			Result		Pa	ss		

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

FR1 n48

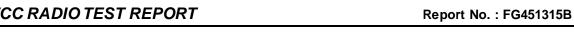
Peak-to-Average Ratio

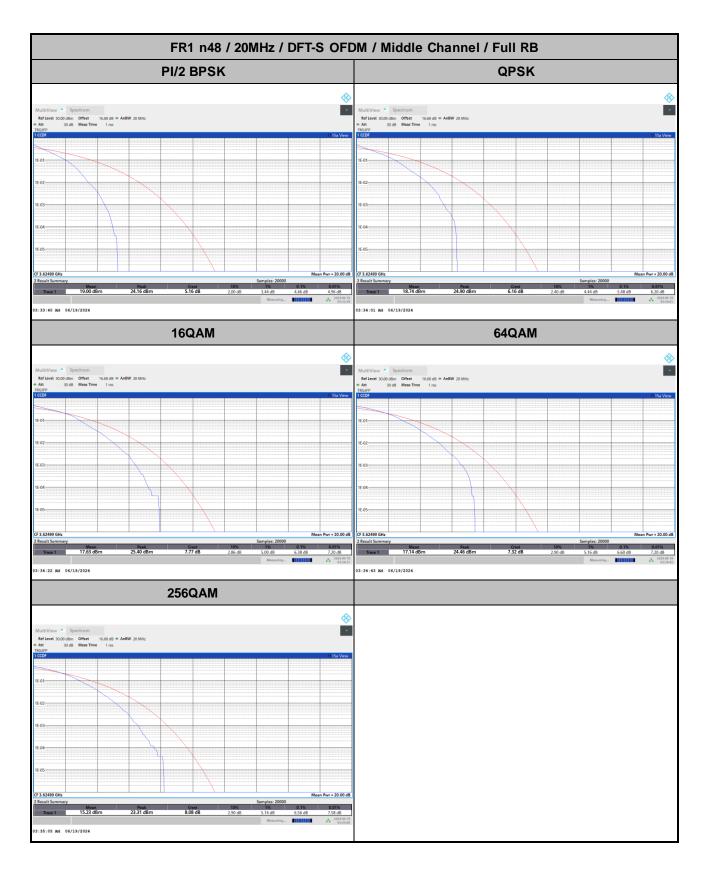
Mode					
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.46	5.48	6.38	6.60	PASS
Mode		FR1 n48 / 20MH	z / DFT-S OFDM		
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.56				PASS

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26dB Bandwidth

Mode	FR1 n48 : 26dB BW(MHz) / DFT-S OFDM										
BW	10MHz	15MHz	20MHz	30MHz	40MHz	50MHz	60MHz	70MHz			
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	9.63	14.50	19.62	30.40	38.59	-	-	-			
BW	80MHz	90MHz	100MHz								
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK								
Middle CH	-	-	-								

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Mode			FR1 n	48 : 26dB BV	V(MHz) / CP	OFDM		
BW	10MHz		15N	ИHz	20MHz		30MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.72	9.60	15.05	14.90	20.06	19.99	31.01	30.51
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.66	9.64	14.92	14.94	19.97	20.01	31.31	30.60
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	41.09	41.32	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	40.68	40.72	-	-	-	-	-	-
BW	80N	ИНZ	90MHz		100MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	-	-	-	-	-	-		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	-	-	-	-	-	-		

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FR1 n48 / 10MHz / DFT-S OFDM / Middle Channel / Full RB PI/2 BPSK FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB **QPSK** 16QAM 64QAM 256QAM

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11:37:55 PM 07/05/2024

FAX: 886-3-328-4978

1:37:26 PM 07/05/2024

FR1 n48 / 15MHz / DFT-S OFDM / Middle Channel / Full RB PI/2 BPSK FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB **QPSK 16QAM** 64QAM 256QAM

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11:40:18 PM 07/05/2024

FAX: 886-3-328-4978

1:39:50 PM 07/05/2024

FR1 n48 / 20MHz / DFT-S OFDM / Middle Channel / Full RB PI/2 BPSK FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB QPSK **16QAM** 64QAM 256QAM

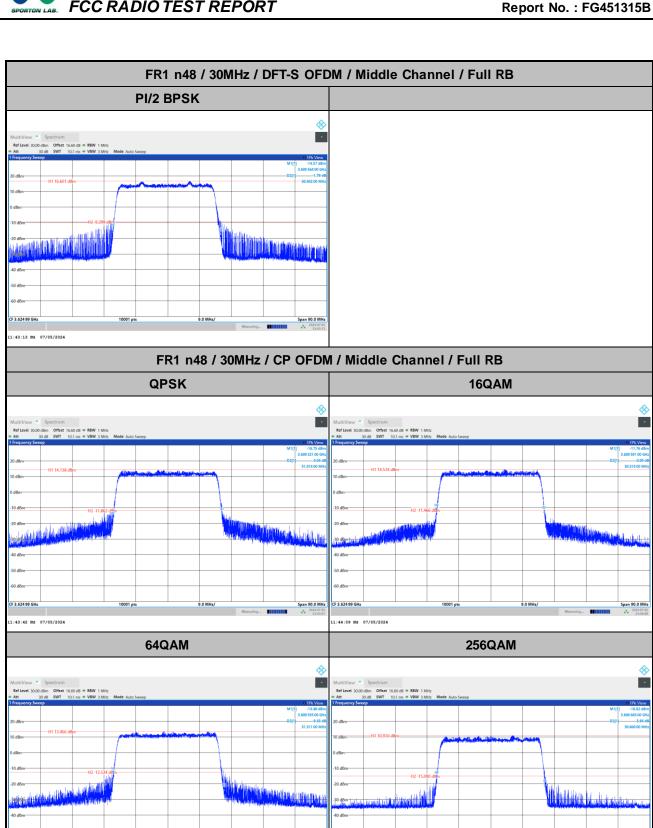
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11:42:41 PM 07/05/2024

FAX: 886-3-328-4978

1:42:13 PM 07/05/2024

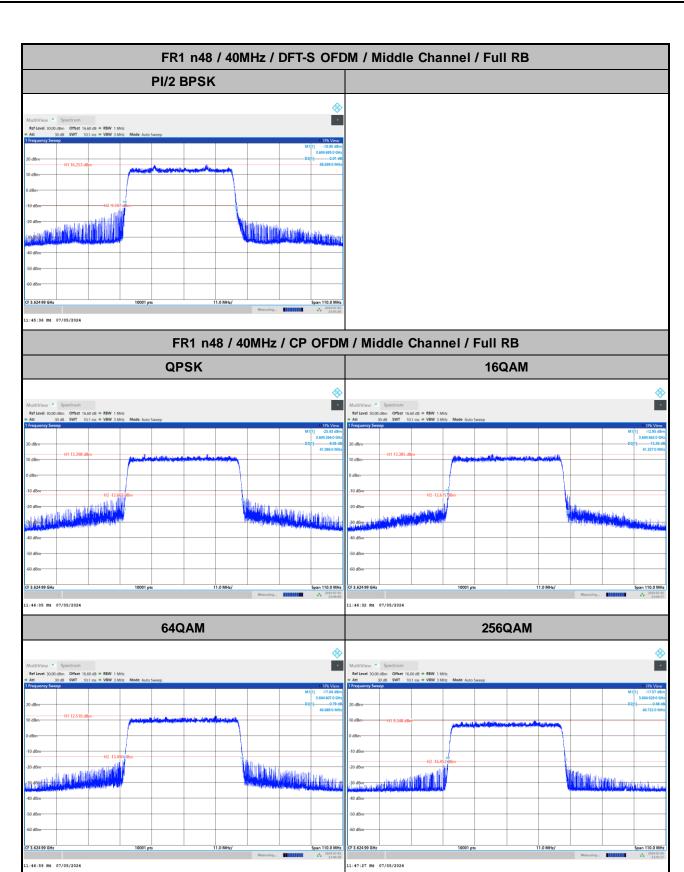


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11:45:04 PM 07/05/2024

FAX: 886-3-328-4978

1:44:36 PM 07/05/2024



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Occupied Bandwidth

Mode	FR1 n48 : OB BW(MHz) / DFT-S OFDM									
BW	10MHz	15MHz	20MHz	30MHz	40MHz	50MHz	60MHz	70MHz		
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	12.97	17.99	27.14	36.01	-	-	-		
BW	80MHz	90MHz	100MHz							
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK							
Middle CH	-	-	-							

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Mode	FR1 n48 : OB BW(MHz) / CP OFDM										
BW	10MHz		15MHz		20MHz		30MHz				
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM			
Middle CH	8.65	8.64	13.64	13.63	18.37	18.34	28.17	28.10			
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM			
Middle CH	8.62	8.62	13.63	13.65	18.35	18.33	28.19	28.20			
BW	40MHz		50MHz		60MHz		70MHz				
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM			
Middle CH	38.04	37.94	-	-	-	-	-	-			
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM			
Middle CH	38.11	38.13	-	-	-	-	-	-			
BW	80MHz		90MHz		100MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM					
Middle CH	-	-	-	-	-	-					
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM					
Middle CH	-	-	-	-	-	-					

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FR1 n48 / 10MHz / DFT-S OFDM / Middle Channel / Full RB PI/2 BPSK F 3.624 99 GH: 1001 pts Span 20.0 MHz FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB **QPSK 16QAM** 1001 pts Span 20.0 MH: F 3.624 99 GH: 1001 pts Span 20.0 MHz CF 3.624 99 GH: **64QAM** 256QAM CF 3.624 99 GH: F 3.624 99 GHz

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03:11:04 AM 06/19/2024

FAX: 886-3-328-4978

3:10:34 AM 06/19/2024

FR1 n48 / 15MHz / DFT-S OFDM / Middle Channel / Full RB PI/2 BPSK Solate Joseph And Political Property F 3.624 99 GH: 1001 pts Span 30.0 MH: FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB **QPSK 16QAM** Mahridamalabaha My Harry Market 1001 pts Span 30.0 MH: F 3.624 99 GH: Span 30.0 MH CF 3.624 99 GH: **64QAM** 256QAM CF 3.624 99 GH: F 3.624 99 GH:

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03:13:01 AM 06/19/2024

FAX: 886-3-328-4978

3:12:31 AM 06/19/2024

FR1 n48 / 20MHz / DFT-S OFDM / Middle Channel / Full RB PI/2 BPSK F 3.624 99 GH: 1001 pts Span 40.0 MH: FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB **QPSK 16QAM** Alternation to the Annual Control MANA LANGE Span 40.0 MH: F 3.624 99 GH: 1001 pts Span 40.0 MH CF 3.624 99 GH: 1001 pts **64QAM** 256QAM ATAMIJAM JAMAANIJAMAAA CF 3.624 99 GH: F 3.624 99 GHz

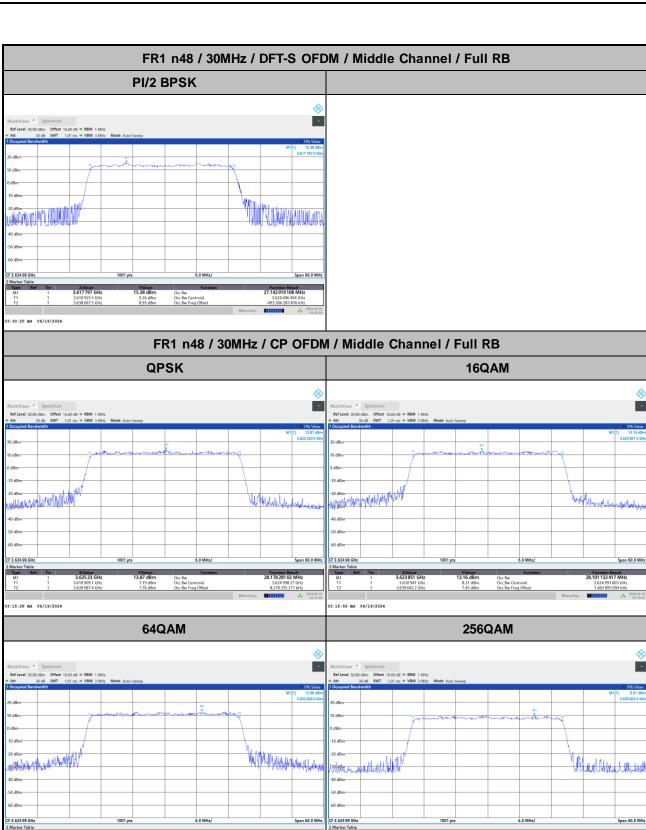
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03:14:57 AM 06/19/2024

FAX: 886-3-328-4978

3:14:27 AM 06/19/2024

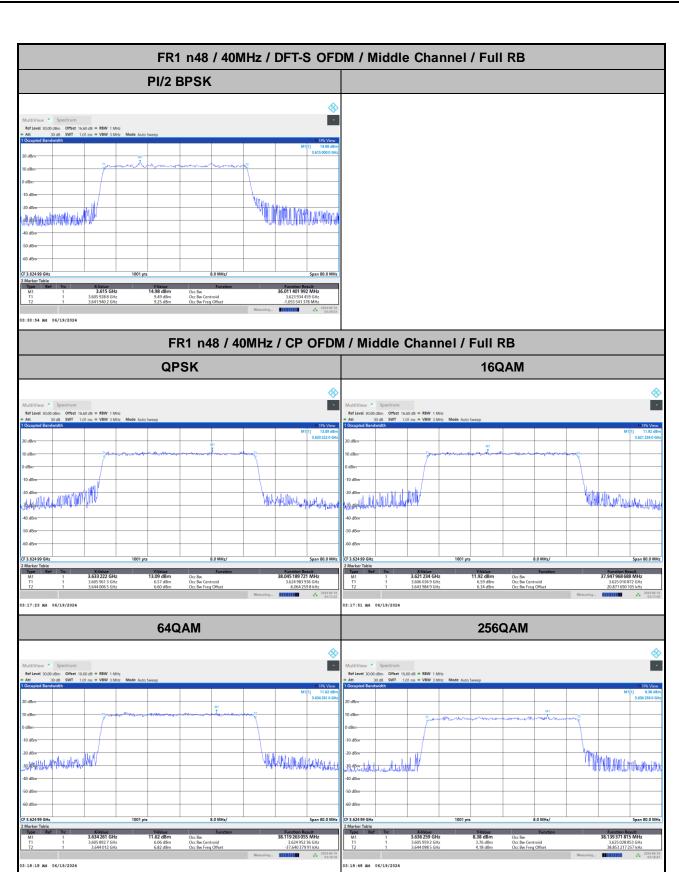


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03:16:52 AM 06/19/2024

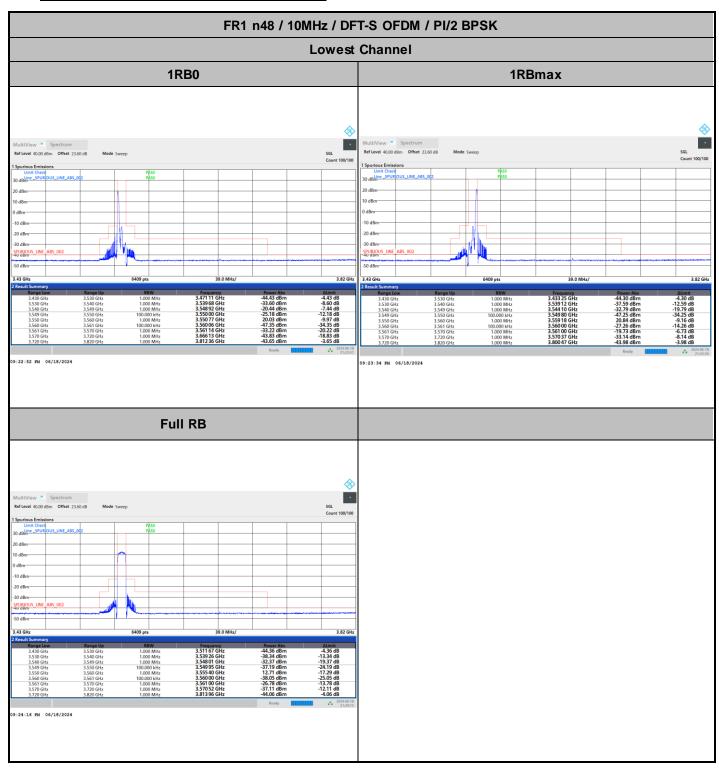
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3:16:23 AM 06/19/2024



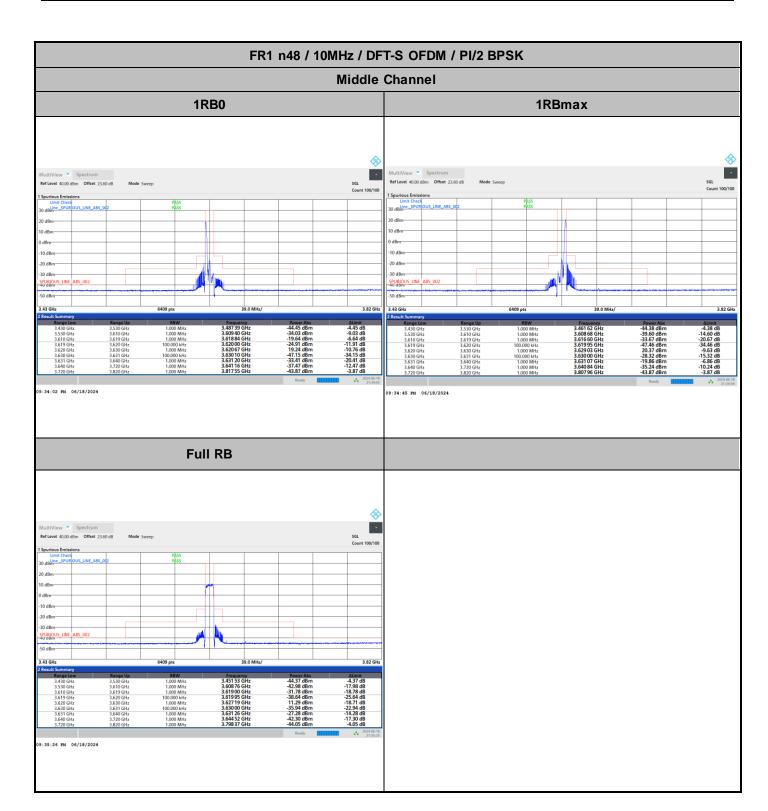
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Unwanted Emission (MASK)

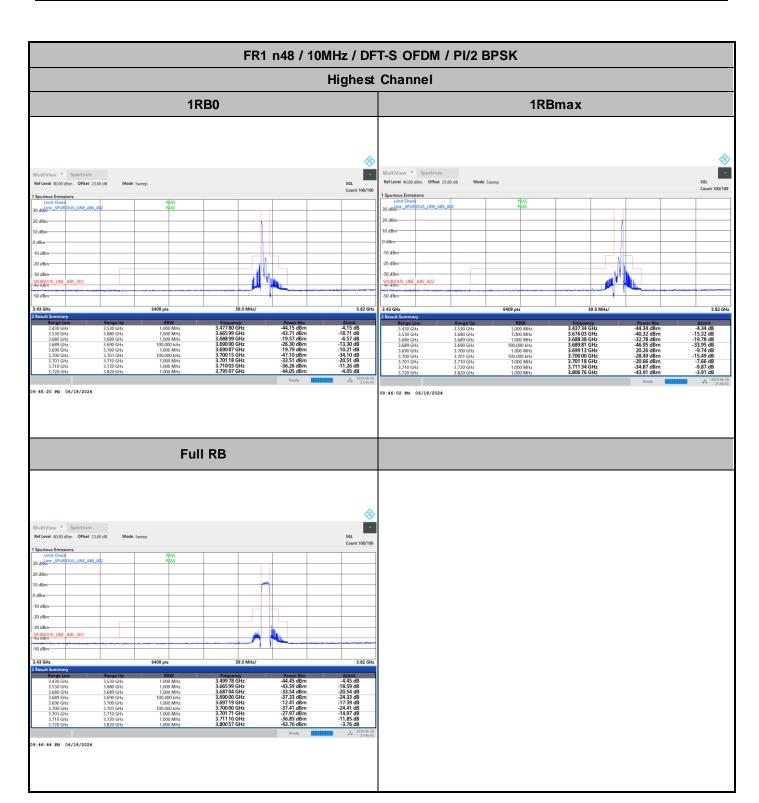


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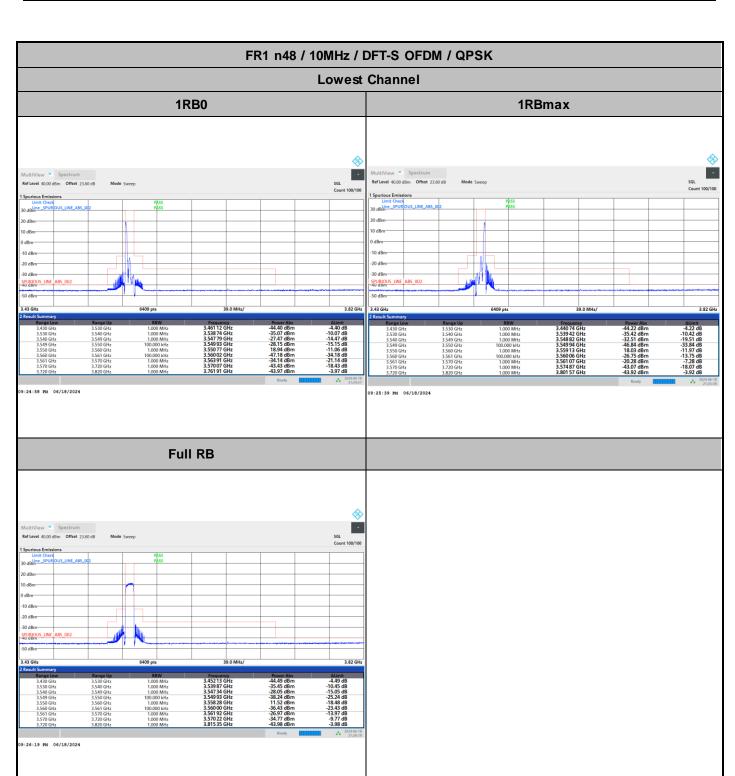
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FR1 n48 / 10MHz / DFT-S OFDM / QPSK Middle Channel **1RB0** 1RBmax MultiView Spectrum

Ref Level 40.00 dBm Offset 23.60 dB 10 dBm 10 dBm -10 dBm -20 dBm 20 dBm SPURIOUS LINE ABS 002 SPURIOUS LINE ABS 002 3.82 GH: 3.43 GHz 3.82 GH: 3.43 GHz 9:36:08 PM 06/18/2024 9:36:50 PM 06/18/2024 Full RB 3.82 GH 3.432 35 GHz 3.609 08 GHz 3.618 36 GHz 3.619 96 GHz 3.625 35 GHz 3.630 04 GHz 3.631 21 GHz 3.640 52 GHz 3.819 45 GHz :37:31 PM 06/18/2024

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FR1 n48 / 10MHz / DFT-S OFDM / QPSK **Highest Channel 1RB0** 1RBmax 10 dBm 10 dBm -10 dBm -20 dBm 20 dBm SPURIOUS LINE ABS 002 SPURIOUS LINE ABS 002 3.82 GH: 3.43 GHz 3.82 GH: 3.43 GHz 9:47:26 PM 06/18/2024 9:48:08 PM 06/18/2024 Full RB 3.82 GH :48:48 PM 06/18/2024

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