

RF MEASUREMENT REPORT

FCC ID: XMR2023RG520NNA
Applicant: Quectel Wireless Solutions Co., Ltd
Product: 5G Sub-6 GHz LGA Module
Model No.: RG520N-NA
Brand Name: Quectel
FCC Rule Part(s): Part 27 Subpart D
Test Procedure(s): ANSI C63.26: 2015
Result: Complies
Test Date: 2022-04-26 ~ 2022-06-15

Reviewed By:

Sunny Sun

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.26-2015. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2303RSU050-U5	Rev. 01	Initial Report	2023-04-24	Valid

Note: This application for certification is leveraging the data reuse procedures from KDB 484596 based on reference FCC ID: XMR2022RG520NNA to cover variant FCC ID: XMR2023RG520NNA, copied the MRT “2204RSU037-U9” report.

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1.4. Product Information

Product Name	5G Sub-6 GHz LGA Module
Model No.	RG520N-NA
Brand Name	Quectel
IMEI	Conducted Measurement 1: 863109050007421 Conducted Measurement 2: 863109050005151 Radiated Measurement: 863109050007306
E-UTRA Band	Band 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 38, 41, 48, 66, 71
5G NR Band	n2, n5, n7, n12, n13, n14, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78
Operating Temperature	-30 ~ 75 °C
Power Type	3.3 ~ 4.4Vdc, typical 3.8Vdc
Remark: The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.	

1.5. Radio Specification under Test

Single Band	n30
EN-DC Band	n30
FDD Tx Frequency Range	2305 ~ 2315 MHz
FDD Rx Frequency Range	2350 ~ 2360 MHz
Support Bandwidth	5, 10MHz
SCS for NR cell	FDD Band: 15kHz
Modulation	UL up to 256QAM, DL up to 256QAM
Remark: For other features of this EUT, test report will be issued separately.	

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
n2	1850 ~ 1910	Dipole	1.37
n5	824 ~ 849		1.18
n7	2500 ~ 2570		2.07
n12	699 ~ 716		1.18
n13	777 ~ 787		1.18
n14	788 ~ 798		1.37
n25	1850 ~ 1915		1.18
n26	814-849		1.11
n30	2305 ~ 2315		2.07
n38	2570 ~ 2620		1.37
n41	2496 ~ 2690		1.18
n66	1710 ~ 1780		1.37
n71	663 ~ 698		1.18
n77	3450 ~ 3550		0.58
	3700 ~ 3980		
n78	3300 ~ 3800		0.58

Note: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer.

1.7. Test Methodology

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

- ANSI C63.26:2015
- FCC CFR 47 Part 27
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r01: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01: Determining ERP and EIRP

1.8. Device Capabilities

PI/2 BPSK modulation applied for 5G NR band frequencies and has the same tune up power as QPSK modulations.

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

The worst-case scenario for all measurements is based on an engineering evaluation and QPSK was observed as the worst one and set for all conducted and radiated. Output power measurements were measured on PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM modulations.

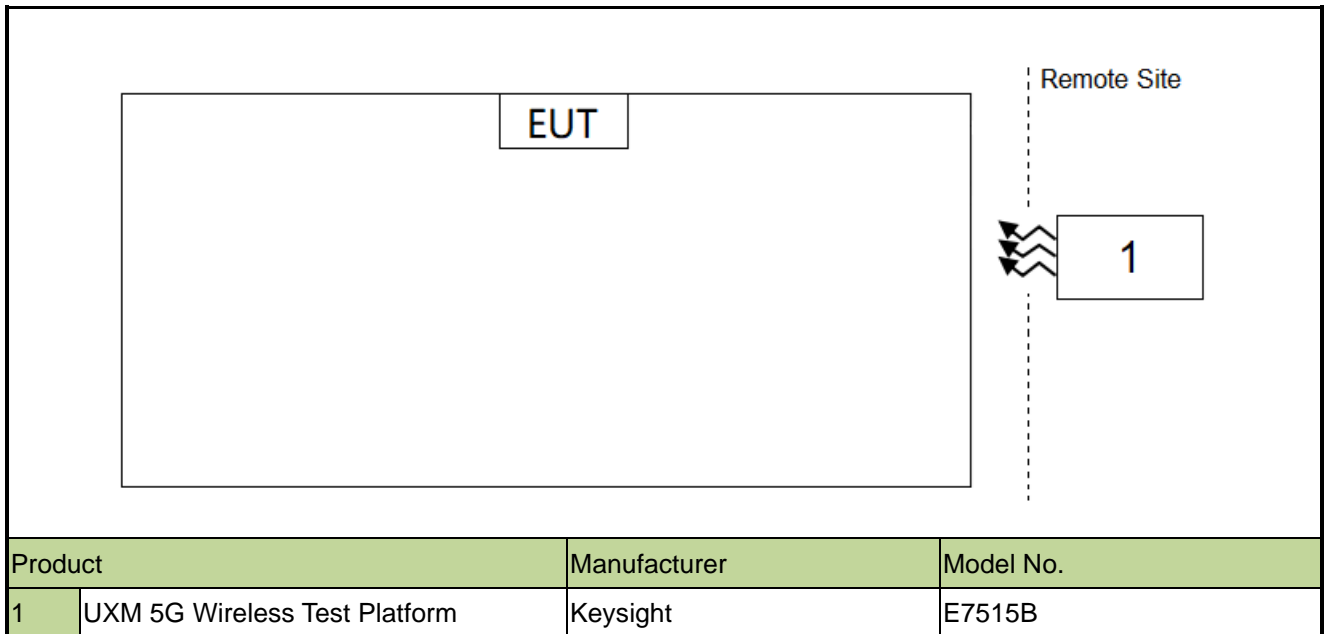
For EN-DC mode, 5G NR FR1 bands are tested in this report (Radiated Spurious Emissions), all the other RF bands are tested in the other reports separately.

2. Test Configuration

2.1. Test Mode

Test Item	Test Channel	Channel Bandwidth (MHz)	Modulation Type	RB#
Output Power & EIRP	L, M, H	5, 10	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1/Half/Full RB
Emission Bandwidth	M	5, 10	QPSK, 16QAM, 64QAM, 256QAM	Full RB
Frequency Stability	M	10	QPSK	Full RB
Band Edge	L, H	5, 10	QPSK	1 RB/Full RB
Conducted Spurious Emissions	L, M, H	5, 10	QPSK	1 RB
Radiated Spurious Emissions	L, M, H	5	QPSK	1 RB

2.2. Test System Connection Diagram



2.3. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20% ~ 75%RH

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Signal Analyzer	Keysight	N9010B	MRTSUE07028	1 year	2022-12-09	SIP-SR1
Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2023-06-01	SIP-SR1
Signal Analyzer	Keysight	N9010B	MRTSUE06603	1 year	2022-10-31	SIP-SR1
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2022-09-07	SIP-SR1
Communication Tester	R&S	CMU 200	MRTSUE06009	1 year	2022-09-07	SIP-SR1
Communication Tester	R&S	CMW500	MRTSUE06243	1 year	2022-10-10	SIP-SR1
Signal Generator	Keysight	E8257D	MRTSUE06453	1 year	2023-06-01	SIP-SR1
Thermohygrometer	testo	622	MRTSUE06629	1 year	2023-01-06	SIP-SR1
5G Wireless Test Platform	Keysight	E7515B	MRTSUE06903	1 year	2022-11-23	SIP-SR1
Signal Generator	Keysight	E8257D	MRTSUE06904	1 year	2022-11-23	SIP-SR1
DC POWER MODULE	Keysight	N6743B	MRTSUE06905	N/A	N/A	SIP-SR1
DC POWER MODULE	Keysight	N6743B	MRTSUE06906	N/A	N/A	SIP-SR1
Low-Profile Modular Power System Mainframe	Keysight	N6700C	MRTSUE06907	N/A	N/A	SIP-SR1
FR1 Switching Unit	Keysight	C8880A	MRTSUE06908	N/A	N/A	SIP-SR1
Signal Analyzer	Keysight	N9021B	MRTSUE06915	1 year	2022-12-29	SIP-SR1
Temperature Chamber	BAOYT	BYG-80CL	MRTSUE06932	1 year	2023-02-27	SIP-SR1
Shielding Room	MIX-BEP	SIP-SR1	MRTSUE06948	N/A	N/A	SIP-SR1
Millimeter-Wave Transceiver for 5G	Keysight	M1740A	MRTSUE06954	3 years	2024-06-02	SIP-SR1
Millimeter-Wave Transceiver for 5G	Keysight	M1740A	MRTSUE06955	3 years	2024-06-02	SIP-SR1
5G Wireless Test Platform	Keysight	E7515B	MRTSUE06956	1 year	2023-06-01	SIP-SR1
Common Interface Unit	Keysight	E7770A	MRTSUE06957	N/A	N/A	SIP-SR1
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2023-06-08	SIP-AC3
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2022-12-29	SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2023-06-01	SIP-AC3
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06598	1 year	2022-11-09	SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE06603	1 year	2022-10-31	SIP-AC3
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2022-09-07	SIP-AC3
Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2022-09-12	SIP-AC3
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2023-06-01	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06619	1 year	2022-11-02	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2022-11-28	SIP-AC3
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2023-01-13	SIP-AC3

Preamplifier	EMCI	EMC001330	MRTSUE06643	1 year	2023-01-13	SIP-AC3
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06646	1 year	2022-08-26	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2022-12-23	SIP-AC3
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2023-03-14	SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE07028	1 year	2022-12-09	SIP-AC3
Directional Coupler	ar	DC7200A	MRTSUE06147	N/A	N/A	SIP
Directional Coupler	ar	DC6080A	MRTSUE06148	N/A	N/A	SIP
Directional Coupler	narda	4226-10	MRTSUE06564	1 year	2022-10-11	SIP
Directional Coupler	PULSAR	CS10-23-436/20	MRTSUE06846	1 year	2023-06-02	SIP
Directional Coupler	PULSAR	CS10-23-436/20	MRTSUE06848	1 year	2023-06-02	SIP
Attenuator	MVE	MVE2213	MRTSUE11055	1 year	2023-06-09	SIP
Attenuator	MVE	MVE2213	MRTSUE11056	1 year	2023-06-09	SIP
Attenuator	MVE	MVE2213	MRTSUE11057	1 year	2023-06-09	SIP
Attenuator	MVE	MVE2213	MRTSUE11058	1 year	2023-06-09	SIP
Attenuator	MVE	MVE2213	MRTSUE11059	1 year	2023-06-09	SIP
Attenuator	MVE	MVE2213	MRTSUE11060	1 year	2023-06-09	SIP

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Radiated Spurious Emissions
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): Horizontal: 9kHz ~ 300MHz: 5.04dB 300MHz ~ 1GHz: 4.95dB 1GHz ~ 40GHz: 6.40dB Vertical: 9kHz ~ 300MHz: 5.24dB 300MHz ~ 1GHz: 6.03dB 1GHz ~ 40GHz: 6.40dB
Conducted Spurious Emissions
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.78dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.13dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.28%
Frequency Stability
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 76.2Hz

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Verdict
2.1049	Occupied Bandwidth	Conducted	Pass
2.1055, 27.54	Frequency Stability		Pass
27.50(a)(3)	Equivalent Isotropic Radiated Power Density		Pass
2.1051, 27.53(a)(4)	Band Edge		Pass
2.1051, 27.53(a)(4)	Spurious Emission		Pass
2.1053, 27.53(a)(4)	Spurious Emissions	Radiated	Pass

Notes:

- 1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 2) All supported modulation types were evaluated. The worst-case emission of modulation was selected. Therefore, the Frequency Stability, Occupied Bandwidth, Channel Band Edge, Radiated & Conducted Spurious Emission were presented worst-case in the test report.

5.2. Occupied Bandwidth Measurement

5.2.1. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

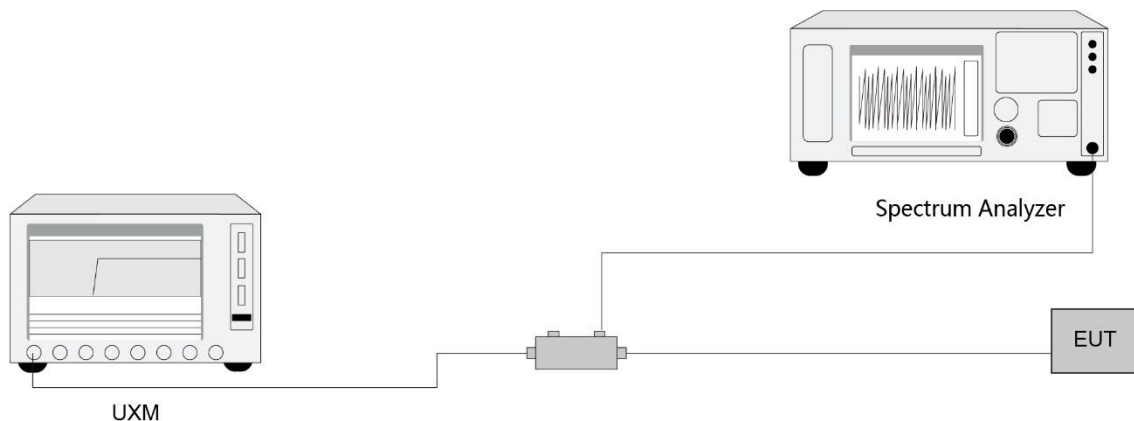
5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.4

5.2.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency
2. RBW = The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

5.3. Frequency Stability Measurement

5.3.1. Test Limit

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

5.3.2. Test Procedure

ANSI C63.26-2015 - Section 5.6

5.3.3. Test Setting

Frequency Stability Under Temperature Variations:

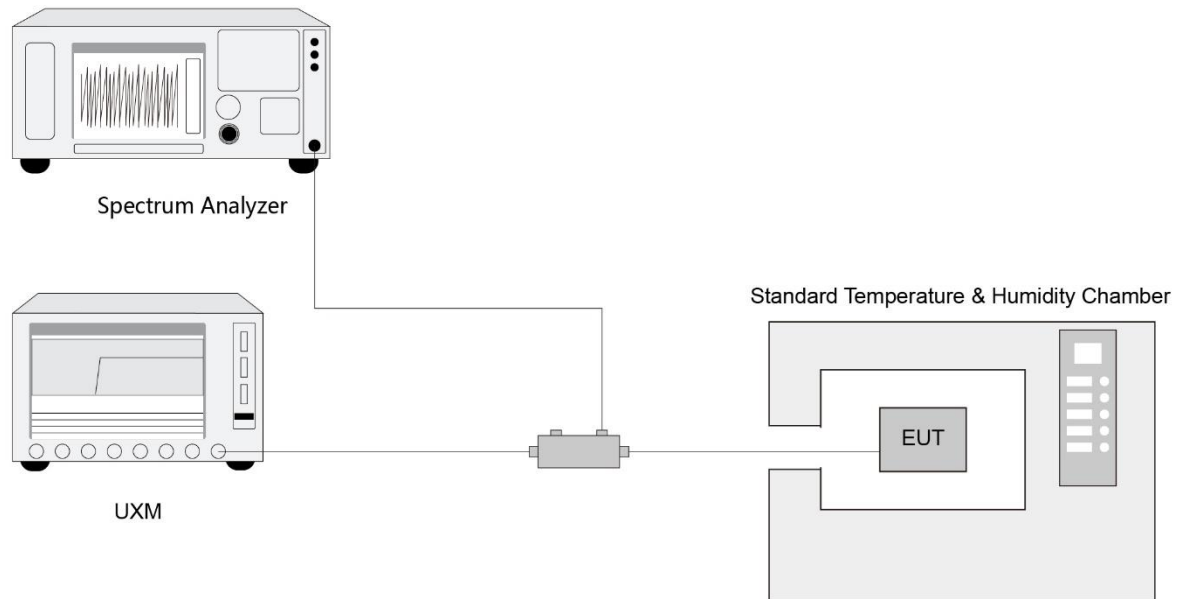
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

Refer to Appendix A.2.

5.4. Equivalent Isotropically Radiated Power Measurement

5.4.1. Test Limit

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth

5.4.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.4.4.2 & 5.2.5.5

5.4.3. Test Setting

When the fundamental condition for average power measurements cannot be realized (i.e., the EUT can not be configured to transmit at full-power on a continuous basis (i.e., duty cycle < 98%) and the instrumentation cannot be configured to measure only during active full-power transmissions), then the following procedure can be used if the EUT duty cycle is constant (i.e., duty cycle variations are less than or equal to $\pm 2\%$).

- a) Set span to $2 \times$ to $3 \times$ the OBW.
- b) Set RBW = 1% to 5% of the OBW.
- c) Set VBW $\geq 3 \times$ RBW.
- d) Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- e) Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ for single sweep (automation-compatible) measurement.
- f) Detector = power averaging (rms).
- g) Set sweep trigger to "free run."
- h) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.
- i) Using the marker function to identify the maximum PSD.

j) Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission. For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is a constant 25%.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} \quad (1)$$

where

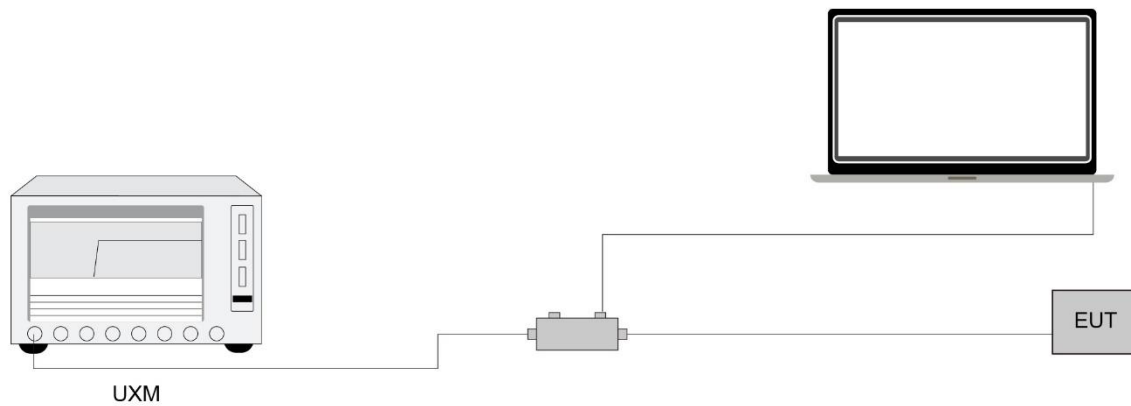
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_{T} gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

For devices utilizing multiple antennas, see 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

5.5. Band Edge Measurement

5.5.1. Test Limit

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360MHz bands:

(1) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;

(2) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;

(3) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

5.5.2. Test Procedure

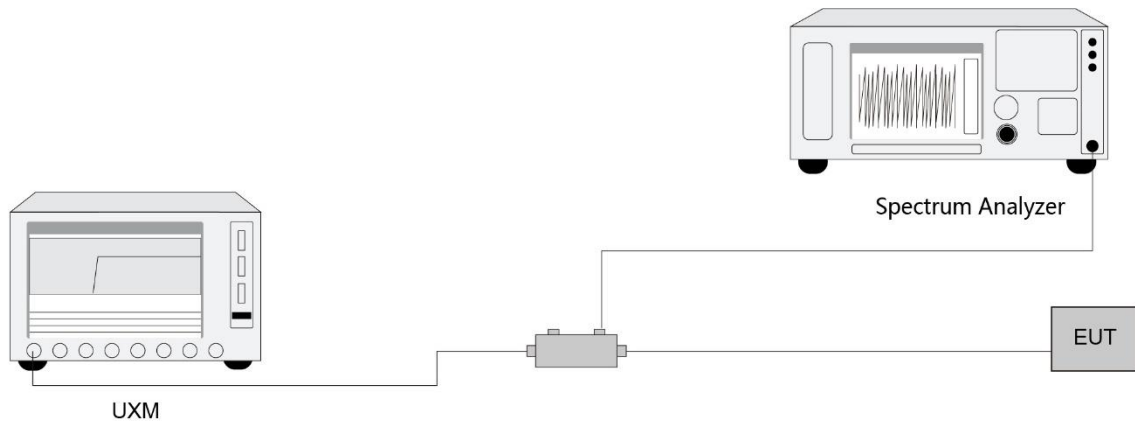
ANSI C63.26-2015 - Section 5.7

5.5.3. Test Setting

1. Set the analyzer frequency to low or high channel
2. $RBW \geq$ The nominal RBW shall be in the range of 1% of the anticipated OBW (in the 1MHz band immediately outside and adjacent to the band edge). For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. $VBW \geq 3 * RBW$
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power

- Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.5.4. Test Setup



5.5.5. Test Result

Refer to Appendix A.4.

5.6. Conducted Spurious Emissions Measurement

5.6.1. Test Limit

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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 $70 + 10 \log (P)$ dB.

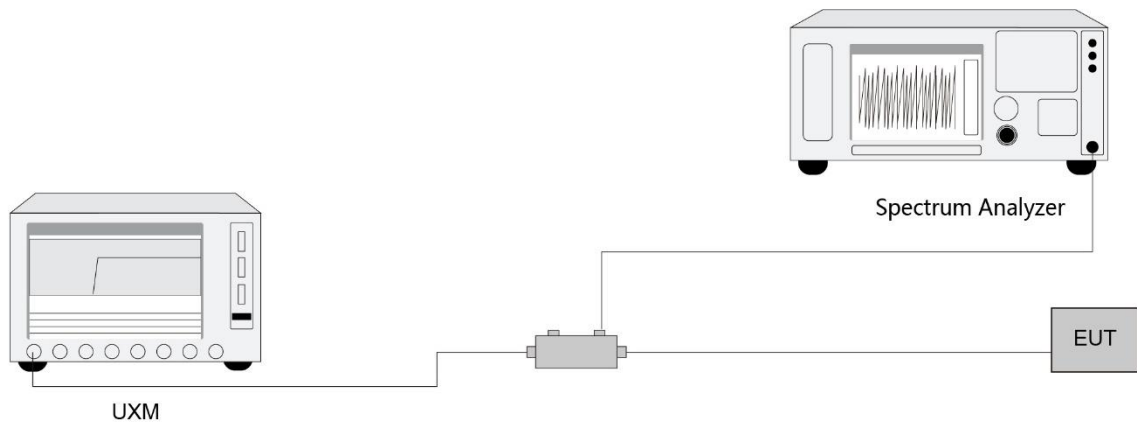
5.6.2. Test Procedure

ANSI C63.26-2015 - Section 5.7

5.6.3. Test Setting

1. Set the analyzer frequency to low, mid, high channel.
2. RBW = 1MHz
3. VBW $\geq 3 \cdot$ RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power.
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.6.4. Test Setup



5.6.5. Test Result

Refer to Appendix A.5.

5.7. Radiated Spurious Emissions Measurement

5.7.1. Test Limit

Out of band emissions: 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 $70 + 10 \log (P)$ dB.

E (dB μ V/m) = EIRP (dBm) - 20 log D + 104.8; where D is the measurement distance in meters. The emission limit equal to 55.3dB μ V/m.

5.7.2. Test Procedure

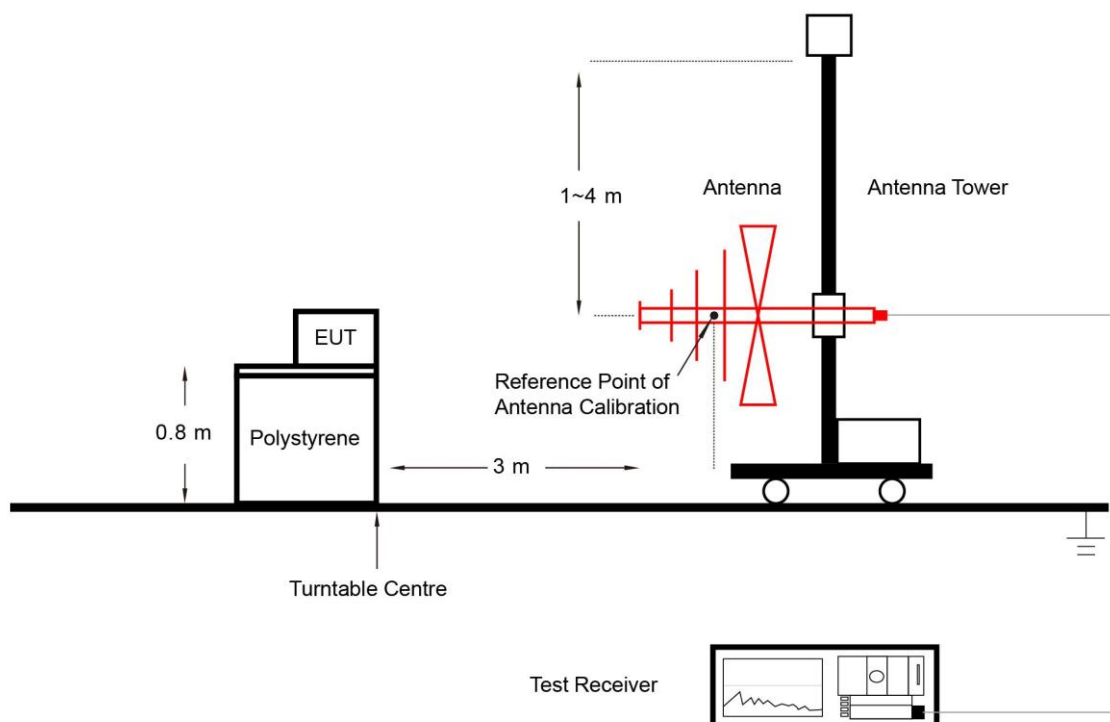
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.7.3. Test Setting

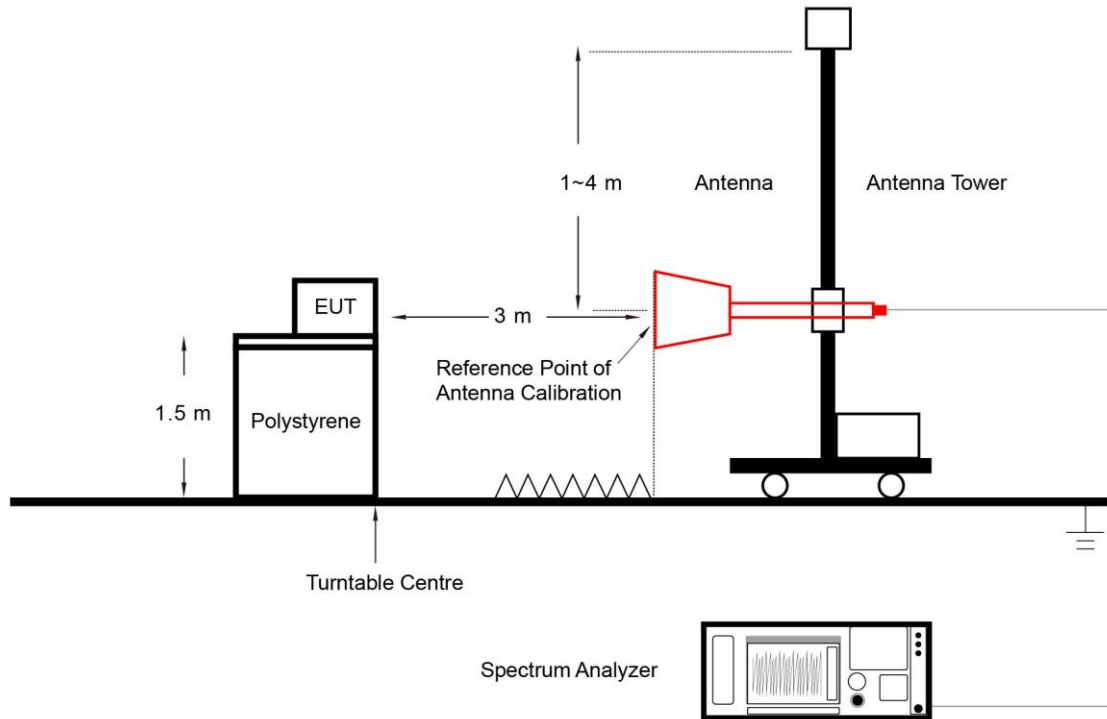
1. RBW = 1MHz
2. VBW \geq 3*RBW
3. Sweep time \geq 10 \times (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.7.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.7.5. Test Result

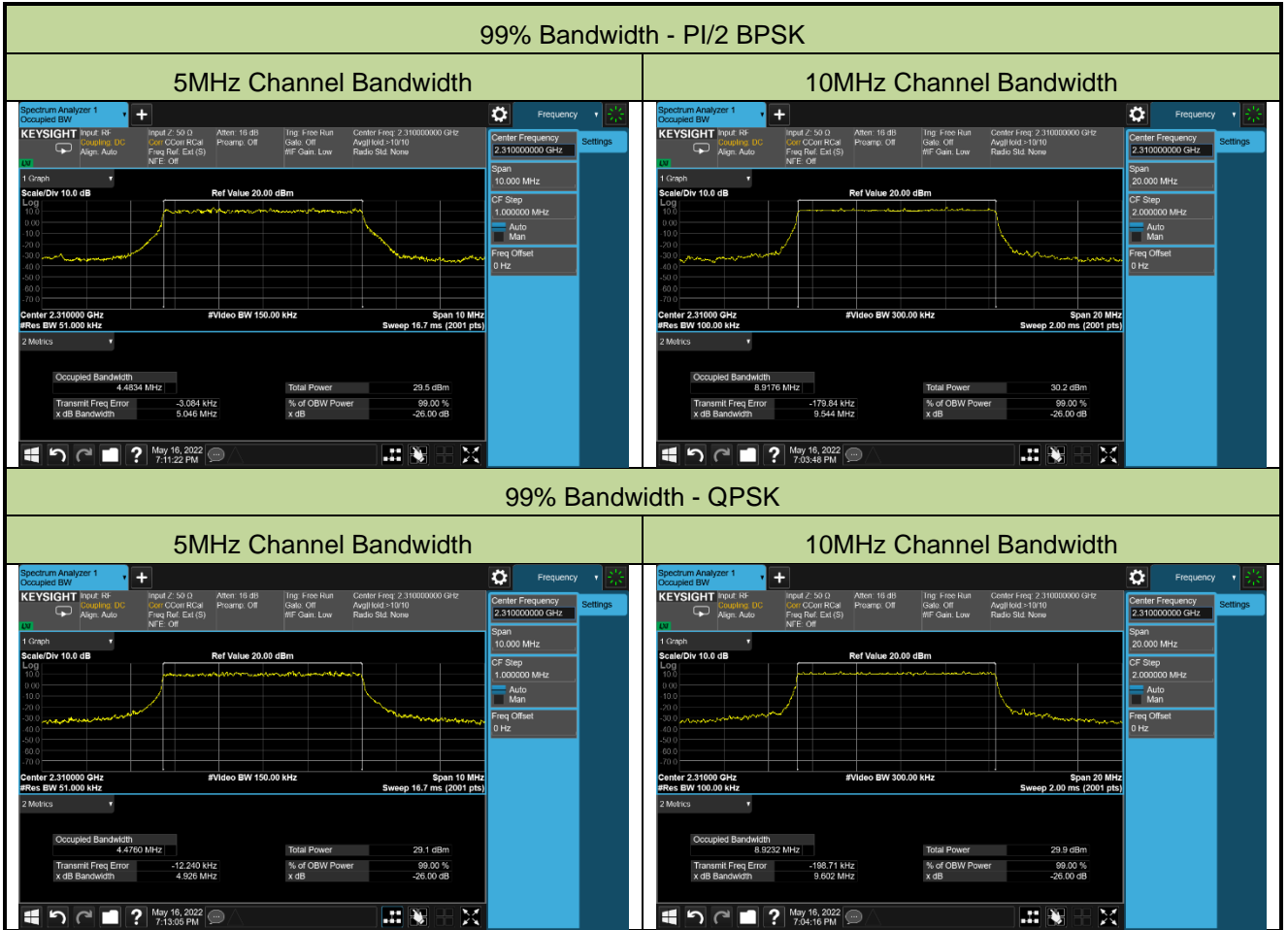
Refer to Appendix A.6.

Appendix A - Test Result

A.1 Occupied Bandwidth Test Result

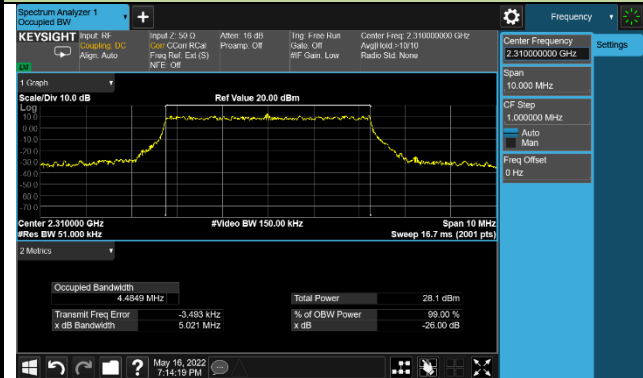
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2022/05/16	Test Band	NR n30

Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
PI/2 BPSK		
2310	5	4.48
2310	10	8.92
QPSK		
2310	5	4.48
2310	10	8.92
16QAM		
2310	5	4.48
2310	10	8.96
64QAM		
2310	5	4.47
2310	10	8.94
256QAM		
2310	5	4.48
2310	10	8.93

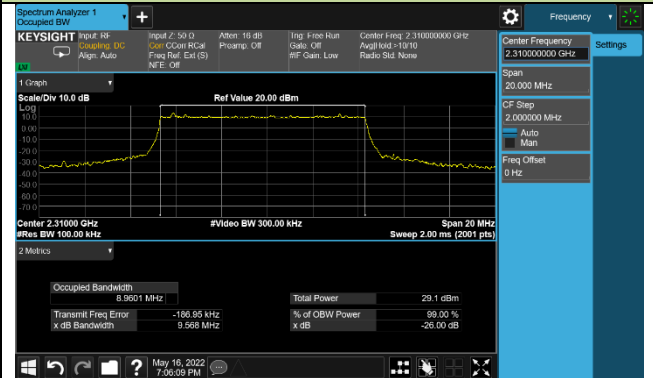


99% Bandwidth - 16QAM

5MHz Channel Bandwidth

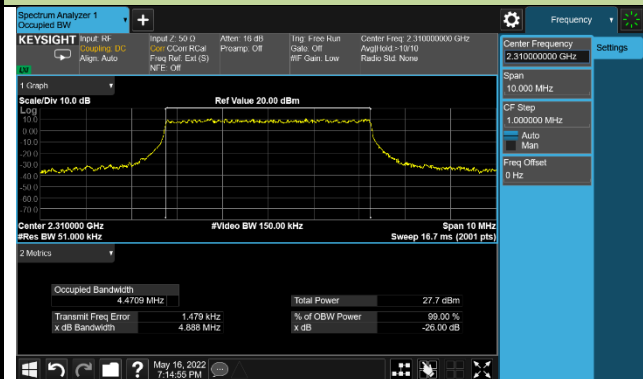


10MHz Channel Bandwidth

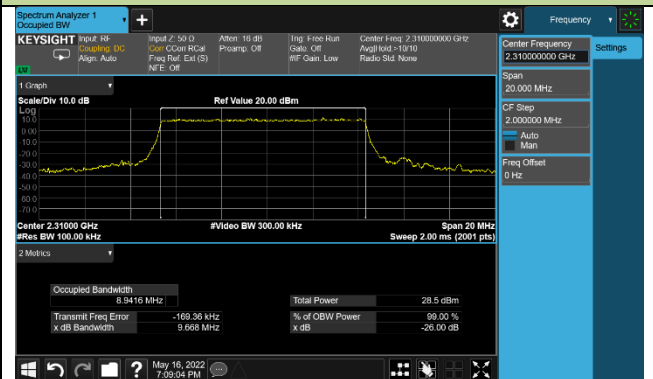


99% Bandwidth - 64QAM

5MHz Channel Bandwidth

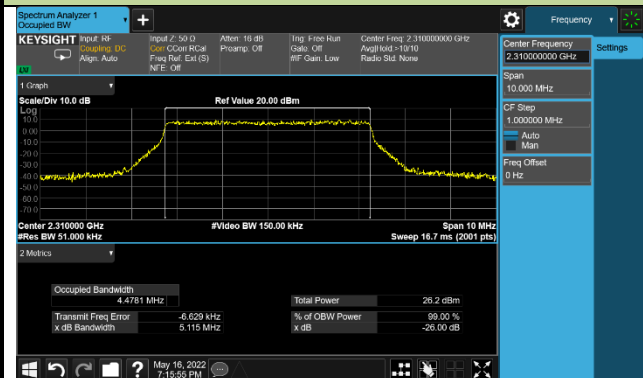


10MHz Channel Bandwidth

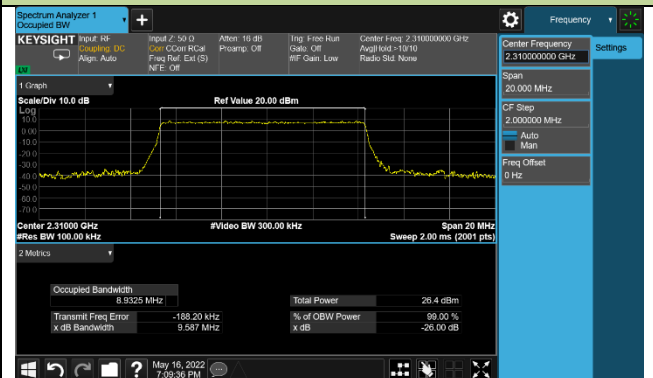


99% Bandwidth - 256QAM

5MHz Channel Bandwidth



10MHz Channel Bandwidth



A.2 Frequency Stability Test Result

Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2022/05/10	Test Band	NR n30

Power (Vdc)	Temp. (°C)	Frequency Tolerance (ppm)
3.8	- 30	0.0033
	- 20	0.0056
	- 10	-0.0072
	0	-0.0007
	+ 10	0.0210
	+ 20	-0.0109
	+ 30	0.0003
	+ 40	-0.0038
	+ 50	0.0015
4.4	+ 20	-0.0056
3.3	+ 20	0.0038

A.3 Equivalent Isotropically Radiated Power Test Result

Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2022/05/21	Test Band	NR n30

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
DFT-s-OFDM PI/2 BPSK						
5	2307.5	12	6	22.55	23.66	< 23.98
		1	1	22.20	23.31	< 23.98
		1	23	22.54	23.65	< 23.98
		25	0	22.30	23.41	< 23.98
		1	24	21.72	22.83	< 23.98
		1	0	22.25	23.36	< 23.98
	2310.0	12	6	22.46	23.57	< 23.98
		1	1	22.27	23.38	< 23.98
		1	23	22.44	23.55	< 23.98
		25	0	22.49	23.60	< 23.98
		1	24	22.27	23.38	< 23.98
		1	0	22.43	23.54	< 23.98
	2312.5	12	6	22.43	23.54	< 23.98
		1	1	22.50	23.61	< 23.98
		1	23	22.45	23.56	< 23.98
		25	0	22.41	23.52	< 23.98
		1	24	22.14	23.25	< 23.98
		1	0	21.87	22.98	< 23.98
10	2310.0	25	12	22.59	23.70	< 23.98
		1	1	22.48	23.59	< 23.98
		1	50	22.08	23.19	< 23.98
		50	0	19.92	21.03	< 23.98
		1	51	22.21	23.32	< 23.98
		1	0	22.62	23.73	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
DFT-s-OFDM QPSK						
5	2307.5	12	6	22.23	23.34	< 23.98
		1	1	22.44	23.55	< 23.98
		1	23	22.40	23.51	< 23.98
		25	0	22.03	23.14	< 23.98
		1	24	21.84	22.95	< 23.98
		1	0	22.34	23.45	< 23.98
	2310.0	12	6	22.52	23.63	< 23.98
		1	1	22.07	23.18	< 23.98
		1	23	22.17	23.28	< 23.98
		25	0	22.03	23.14	< 23.98
		1	24	22.22	23.33	< 23.98
		1	0	22.58	23.69	< 23.98
	2312.5	12	6	22.50	23.61	< 23.98
		1	1	22.27	23.38	< 23.98
		1	23	22.11	23.22	< 23.98
		25	0	22.02	23.13	< 23.98
		1	24	22.17	23.28	< 23.98
		1	0	22.06	23.17	< 23.98
10	2310.0	25	12	22.52	23.63	< 23.98
		1	1	22.34	23.45	< 23.98
		1	50	22.39	23.50	< 23.98
		50	0	19.40	20.51	< 23.98
		1	51	22.08	23.19	< 23.98
		1	0	22.49	23.60	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
DFT-s-OFDM 16QAM						
5	2307.5	12	6	21.90	23.01	< 23.98
		1	1	21.89	23.00	< 23.98
		1	23	21.16	22.27	< 23.98
		25	0	21.09	22.20	< 23.98
		1	24	20.50	21.61	< 23.98
		1	0	21.88	22.99	< 23.98
	2310.0	12	6	22.12	23.23	< 23.98
		1	1	20.89	22.00	< 23.98
		1	23	21.89	23.00	< 23.98
		25	0	21.02	22.13	< 23.98
		1	24	21.49	22.60	< 23.98
		1	0	20.90	22.01	< 23.98
	2312.5	12	6	22.09	23.20	< 23.98
		1	1	21.37	22.48	< 23.98
		1	23	21.40	22.51	< 23.98
		25	0	21.05	22.16	< 23.98
		1	24	20.81	21.92	< 23.98
		1	0	21.24	22.35	< 23.98
10	2310.0	25	12	22.07	23.18	< 23.98
		1	1	21.58	22.69	< 23.98
		1	50	21.63	22.74	< 23.98
		50	0	18.83	19.94	< 23.98
		1	51	20.32	21.43	< 23.98
		1	0	20.34	21.45	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
DFT-s-OFDM 64QAM						
5	2307.5	12	6	20.68	21.79	< 23.98
		1	1	19.14	20.25	< 23.98
		1	23	20.12	21.23	< 23.98
		25	0	20.56	21.67	< 23.98
		1	24	19.66	20.77	< 23.98
		1	0	19.52	20.63	< 23.98
	2310.0	12	6	20.45	21.56	< 23.98
		1	1	19.33	20.44	< 23.98
		1	23	19.38	20.49	< 23.98
		25	0	20.63	21.74	< 23.98
		1	24	19.25	20.36	< 23.98
		1	0	19.34	20.45	< 23.98
	2312.5	12	6	20.48	21.59	< 23.98
		1	1	20.28	21.39	< 23.98
		1	23	19.36	20.47	< 23.98
		25	0	20.62	21.73	< 23.98
		1	24	19.17	20.28	< 23.98
		1	0	20.32	21.43	< 23.98
10	2310.0	25	12	20.74	21.85	< 23.98
		1	1	20.96	22.07	< 23.98
		1	50	19.42	20.53	< 23.98
		50	0	17.96	19.07	< 23.98
		1	51	20.28	21.39	< 23.98
		1	0	20.09	21.20	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
DFT-s-OFDM 256QAM						
5	2307.5	12	6	18.44	19.55	< 23.98
		1	1	17.90	19.01	< 23.98
		1	23	18.06	19.17	< 23.98
		25	0	18.22	19.33	< 23.98
		1	24	18.30	19.41	< 23.98
		1	0	17.64	18.75	< 23.98
	2310.0	12	6	18.40	19.51	< 23.98
		1	1	17.51	18.62	< 23.98
		1	23	18.75	19.86	< 23.98
		25	0	18.47	19.58	< 23.98
		1	24	17.75	18.86	< 23.98
		1	0	17.76	18.87	< 23.98
	2312.5	12	6	18.44	19.55	< 23.98
		1	1	17.86	18.97	< 23.98
		1	23	17.46	18.57	< 23.98
		25	0	18.52	19.63	< 23.98
		1	24	17.82	18.93	< 23.98
		1	0	17.98	19.09	< 23.98
10	2310.0	25	12	18.32	19.43	< 23.98
		1	1	17.38	18.49	< 23.98
		1	50	17.48	18.59	< 23.98
		50	0	15.57	16.68	< 23.98
		1	51	16.56	17.67	< 23.98
		1	0	16.57	17.68	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
CP-OFDM QPSK						
5	2307.5	13	6	21.43	22.54	< 23.98
		1	1	21.51	22.62	< 23.98
		1	23	21.43	22.54	< 23.98
		25	0	22.02	23.13	< 23.98
		1	24	19.77	20.88	< 23.98
		1	0	19.93	21.04	< 23.98
	2310.0	13	6	21.22	22.33	< 23.98
		1	1	19.66	20.77	< 23.98
		1	23	20.73	21.84	< 23.98
		25	0	20.04	21.15	< 23.98
		1	24	19.93	21.04	< 23.98
		1	0	20.16	21.27	< 23.98
	2312.5	13	6	21.47	22.58	< 23.98
		1	1	21.22	22.33	< 23.98
		1	23	21.25	22.36	< 23.98
		25	0	19.94	21.05	< 23.98
		1	24	19.64	20.75	< 23.98
		1	0	20.05	21.16	< 23.98
10	2310.0	26	13	21.57	22.68	< 23.98
		1	1	21.35	22.46	< 23.98
		1	50	21.71	22.82	< 23.98
		52	0	17.19	18.30	< 23.98
		1	51	20.07	21.18	< 23.98
		1	0	20.35	21.46	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
CP-OFDM 16QAM						
5	2307.5	13	6	21.01	22.12	< 23.98
		1	1	20.74	21.85	< 23.98
		1	23	21.23	22.34	< 23.98
		25	0	21.47	22.58	< 23.98
		1	24	19.90	21.01	< 23.98
		1	0	21.42	22.53	< 23.98
	2310.0	13	6	21.16	22.27	< 23.98
		1	1	19.48	20.59	< 23.98
		1	23	21.22	22.33	< 23.98
		25	0	19.94	21.05	< 23.98
		1	24	19.15	20.26	< 23.98
		1	0	19.57	20.68	< 23.98
	2312.5	13	6	21.20	22.31	< 23.98
		1	1	20.30	21.41	< 23.98
		1	23	20.94	22.05	< 23.98
		25	0	20.14	21.25	< 23.98
		1	24	20.08	21.19	< 23.98
		1	0	19.83	20.94	< 23.98
10	2310.0	26	13	20.93	22.04	< 23.98
		1	1	20.67	21.78	< 23.98
		1	50	21.08	22.19	< 23.98
		52	0	17.02	18.13	< 23.98
		1	51	20.30	21.41	< 23.98
		1	0	19.56	20.67	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
CP-OFDM 64QAM						
5	2307.5	13	6	19.68	20.79	< 23.98
		1	1	19.85	20.96	< 23.98
		1	23	18.81	19.92	< 23.98
		25	0	20.48	21.59	< 23.98
		1	24	20.22	21.33	< 23.98
		1	0	18.31	19.42	< 23.98
	2310.0	13	6	19.49	20.60	< 23.98
		1	1	20.58	21.69	< 23.98
		1	23	20.45	21.56	< 23.98
		25	0	18.68	19.79	< 23.98
		1	24	19.84	20.95	< 23.98
		1	0	19.32	20.43	< 23.98
	2312.5	13	6	19.40	20.51	< 23.98
		1	1	19.31	20.42	< 23.98
		1	23	18.79	19.90	< 23.98
		25	0	19.75	20.86	< 23.98
		1	24	19.26	20.37	< 23.98
		1	0	19.32	20.43	< 23.98
10	2310.0	26	13	19.70	20.81	< 23.98
		1	1	20.17	21.28	< 23.98
		1	50	19.79	20.90	< 23.98
		52	0	17.00	18.11	< 23.98
		1	51	19.87	20.98	< 23.98
		1	0	19.75	20.86	< 23.98

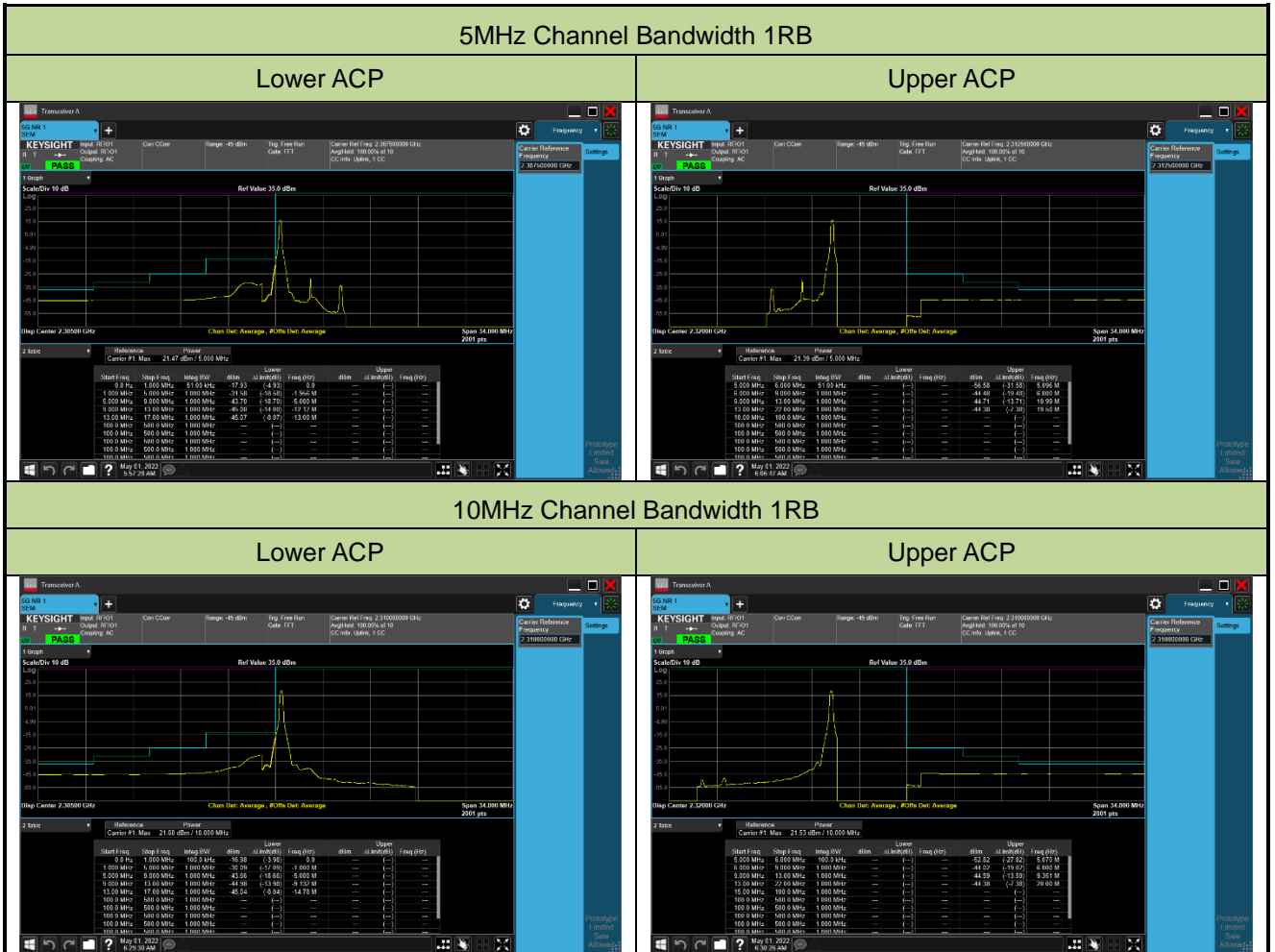
Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
CP-OFDM 256QAM						
5	2307.5	13	6	16.48	17.59	< 23.98
		1	1	17.10	18.21	< 23.98
		1	23	17.20	18.31	< 23.98
		25	0	18.44	19.55	< 23.98
		1	24	16.39	17.50	< 23.98
		1	0	16.65	17.76	< 23.98
	2310.0	13	6	16.26	17.37	< 23.98
		1	1	17.01	18.12	< 23.98
		1	23	17.35	18.46	< 23.98
		25	0	16.20	17.31	< 23.98
		1	24	16.95	18.06	< 23.98
		1	0	17.12	18.23	< 23.98
	2312.5	13	6	18.00	19.11	< 23.98
		1	1	16.97	18.08	< 23.98
		1	23	16.78	17.89	< 23.98
		25	0	16.22	17.33	< 23.98
		1	24	16.81	17.92	< 23.98
		1	0	16.92	18.03	< 23.98
10	2310.0	26	13	16.55	17.66	< 23.98
		1	1	17.59	18.70	< 23.98
		1	50	16.60	17.71	< 23.98
		52	0	13.81	14.92	< 23.98
		1	51	18.00	19.11	< 23.98
		1	0	17.15	18.26	< 23.98

Note: The EIRP (dBm/5MHz) = Output Power (dBm/5MHz) + Antenna Gain (dBi)

A.4 Band Edge Test Result

Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2022/05/01	Test Band	NR n30

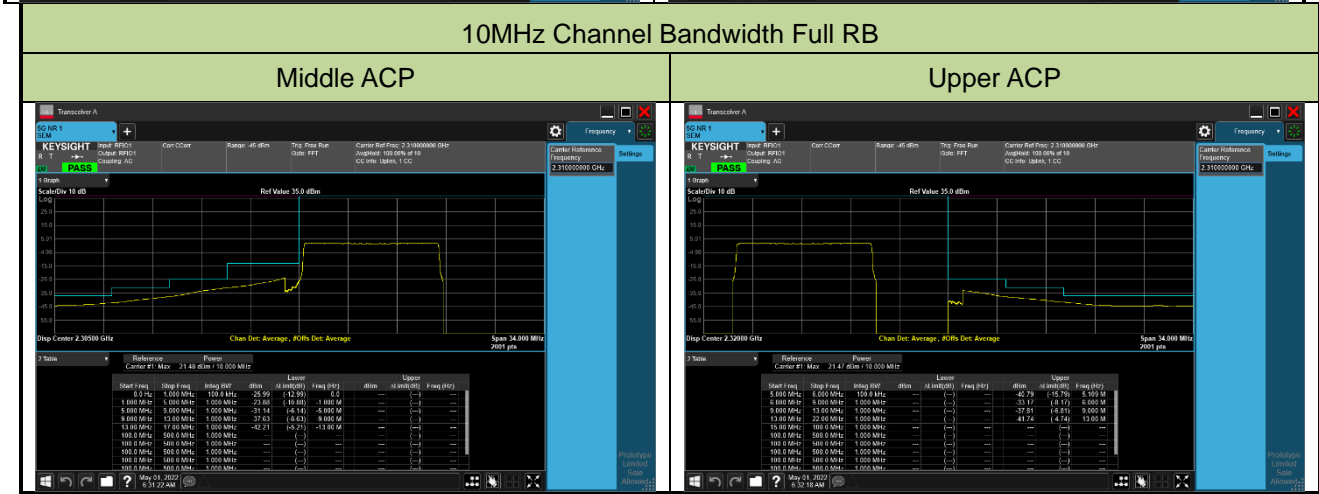
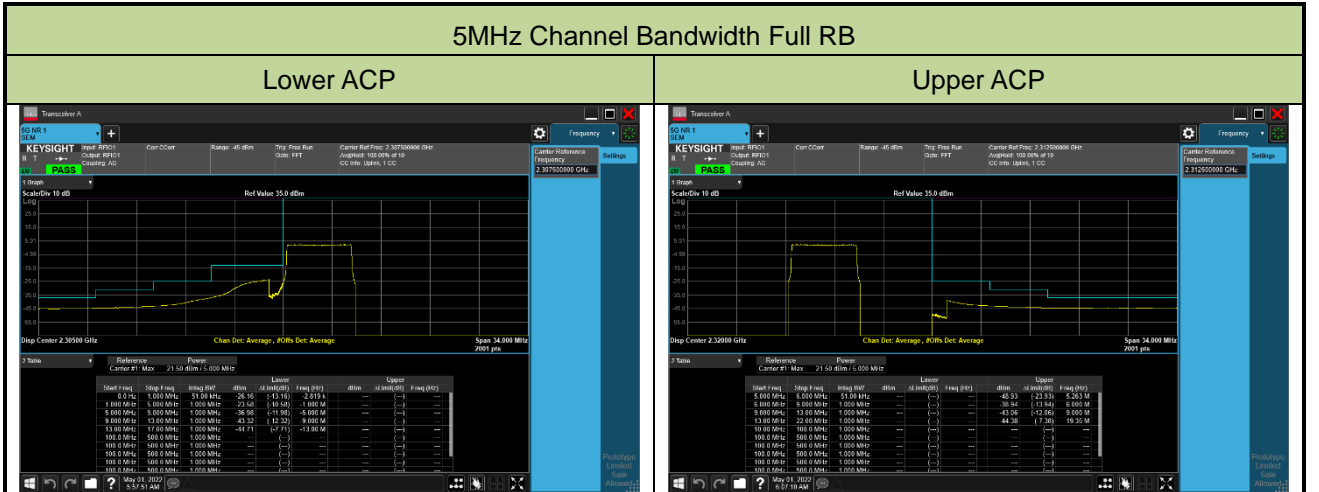

10MHz Channel Bandwidth 1RB

Lower ACP

Upper ACP

Start Freq	Stop Freq	Step Freq	Integ BW	dBm	ΔI (mV/dB)	Freq (Hz)	Upper
0 Hz	1.000 MHz	1.000 MHz	45.00 MHz	-75.0	(4.2)	0.0	---
1.000 MHz	6.000 MHz	1.000 MHz	1.000 MHz	-71.50	(3.5)	1.000 M	---
2.000 MHz	9.000 MHz	1.000 MHz	1.000 MHz	-67.76	(3.2)	2.000 M	---
3.000 MHz	13.000 MHz	1.000 MHz	1.000 MHz	-61.20	(3.4)	3.000 M	---
4.000 MHz	17.000 MHz	1.000 MHz	1.000 MHz	-52.37	(3.0)	4.000 M	---
5.000 MHz	21.000 MHz	1.000 MHz	1.000 MHz	---	---	5.000 M	---
6.000 MHz	25.000 MHz	1.000 MHz	1.000 MHz	---	---	6.000 M	---
7.000 MHz	29.000 MHz	1.000 MHz	1.000 MHz	---	---	7.000 M	---
8.000 MHz	33.000 MHz	1.000 MHz	1.000 MHz	---	---	8.000 M	---
9.000 MHz	37.000 MHz	1.000 MHz	1.000 MHz	---	---	9.000 M	---
10.000 MHz	41.000 MHz	1.000 MHz	1.000 MHz	---	---	10.000 M	---
11.000 MHz	45.000 MHz	1.000 MHz	1.000 MHz	---	---	11.000 M	---

Start Freq	Stop Freq	Step Freq	Integ BW	dBm	ΔI (mV/dB)	Freq (Hz)	Upper
0 Hz	1.000 MHz	1.000 MHz	45.00 MHz	-75.0	(4.2)	0.0	---
1.000 MHz	6.000 MHz	1.000 MHz	1.000 MHz	-71.50	(3.5)	1.000 M	---
2.000 MHz	9.000 MHz	1.000 MHz	1.000 MHz	-67.76	(3.2)	2.000 M	---
3.000 MHz	13.000 MHz	1.000 MHz	1.000 MHz	-61.20	(3.4)	3.000 M	---
4.000 MHz	17.000 MHz	1.000 MHz	1.000 MHz	-52.37	(3.0)	4.000 M	---
5.000 MHz	21.000 MHz	1.000 MHz	1.000 MHz	---	---	5.000 M	---
6.000 MHz	25.000 MHz	1.000 MHz	1.000 MHz	---	---	6.000 M	---
7.000 MHz	29.000 MHz	1.000 MHz	1.000 MHz	---	---	7.000 M	---
8.000 MHz	33.000 MHz	1.000 MHz	1.000 MHz	---	---	8.000 M	---
9.000 MHz	37.000 MHz	1.000 MHz	1.000 MHz	---	---	9.000 M	---
10.000 MHz	41.000 MHz	1.000 MHz	1.000 MHz	---	---	10.000 M	---
11.000 MHz	45.000 MHz	1.000 MHz	1.000 MHz	---	---	11.000 M	---



A.5 Conducted Spurious Emissions Test Result

Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Date	2022/05/23	Test Band	NR n30

Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
QPSK					
2307.5	5	30 ~ 24000	-44.36	≤ -40.00	Pass
2310.0	5	30 ~ 24000	-48.53	≤ -40.00	Pass
2312.5	5	30 ~ 24000	-46.42	≤ -40.00	Pass
2310.0	10	30 ~ 24000	-46.51	≤ -40.00	Pass

5MHz Channel Bandwidth

Low Channel

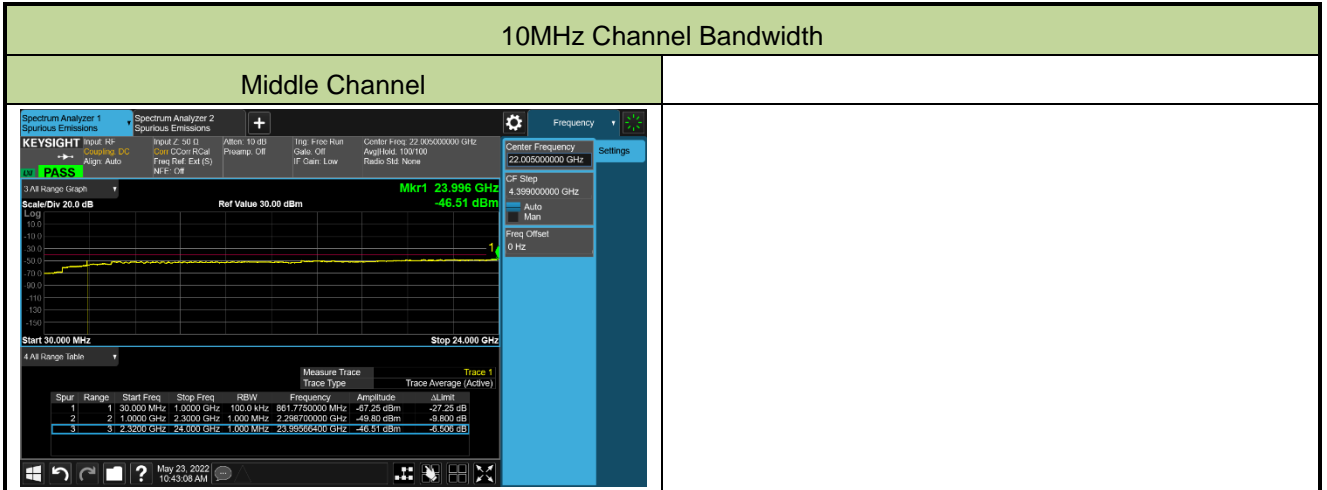
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	30.000 MHz	1.0000 GHz	100.0 kHz	867.8650000 GHz	-49.27 dBm	-29.27 dB
2	2	1.0000 GHz	2.3000 GHz	1.0000 MHz	2.300000000 GHz	-44.36 dBm	-3.36 dB
3	3	2.3000 GHz	24.000 GHz	1.0000 MHz	23.9924400 GHz	-48.45 dBm	-8.449 dB

Middle Channel

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	30.000 MHz	1.0000 GHz	100.0 kHz	860.3300000 MHz	-49.28 dBm	-29.28 dB
2	2	1.0000 GHz	2.3000 GHz	1.0000 MHz	2.298850000 GHz	-58.54 dBm	-18.54 dB
3	3	2.3000 GHz	24.000 GHz	1.0000 MHz	23.9793200 GHz	-48.53 dBm	-8.531 dB

High Channel

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	30.000 MHz	1.0000 GHz	100.0 kHz	856.4400000 MHz	-57.57 dBm	-27.57 dB
2	2	1.0000 GHz	2.3000 GHz	1.0000 MHz	2.300000000 GHz	-53.93 dBm	-13.93 dB
3	3	2.3000 GHz	24.000 GHz	1.0000 MHz	23.9329500 GHz	-46.42 dBm	-6.419 dB



A.6 Radiated Spurious Emissions Test Result

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2022/05/22 ~ 2022/05/23	Test Band	NR n30, 5MHz, 1RB

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
51.3	-1.3	20.8	19.5	55.3	-35.8	Peak	Horizontal
579.5	-0.8	26.8	26.0	55.3	-29.3	Peak	Horizontal
40.7	15.4	19.6	35.0	55.3	-20.3	Peak	Vertical
768.7	3.1	29.4	32.5	55.3	-22.8	Peak	Vertical
4612.5	45.6	4.3	49.9	55.3	-5.4	Peak	Horizontal
9100.5	33.5	14.1	47.6	55.3	-7.7	Peak	Horizontal
4612.5	40.2	4.3	44.5	55.3	-10.8	Peak	Vertical
9219.5	33.0	14.6	47.6	55.3	-7.7	Peak	Vertical
Middle Channel							
55.2	0.9	20.3	21.2	55.3	-34.1	Peak	Horizontal
794.4	2.9	29.7	32.6	55.3	-22.7	Peak	Horizontal
33.4	18.2	17.7	35.9	55.3	-19.4	Peak	Vertical
663.4	2.5	27.9	30.4	55.3	-24.9	Peak	Vertical
4612.5	38.4	4.3	42.7	55.3	-12.6	Peak	Horizontal
8038.0	33.0	12.3	45.3	55.3	-10.0	Peak	Horizontal
4612.5	39.3	4.3	43.6	55.3	-11.7	Peak	Vertical
9228.0	33.2	14.8	48.0	55.3	-7.3	Peak	Vertical
High Channel							
51.8	0.5	20.7	21.2	55.3	-34.1	Peak	Horizontal
714.3	2.8	28.6	31.4	55.3	-23.9	Peak	Horizontal
40.2	19.1	19.5	38.6	55.3	-16.7	Peak	Vertical
871.0	1.6	31.1	32.7	55.3	-22.6	Peak	Vertical
4714.5	36.9	4.6	41.5	55.3	-13.8	Peak	Horizontal
7162.5	35.5	11.2	46.7	55.3	-8.6	Peak	Horizontal
7545.0	34.9	11.3	46.2	55.3	-9.1	Peak	Vertical
9695.5	36.0	13.7	49.7	55.3	-5.6	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2022/05/22 ~ 2022/05/23	Test Band	NR n30_ENDC, 5MHz, 1RB

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
100.3	2.9	21.2	24.1	55.3	-31.2	Peak	Horizontal
771.1	4.1	29.0	33.1	55.3	-22.2	Peak	Horizontal
60.6	13.5	22.4	35.9	55.3	-19.4	Peak	Vertical
878.8	4.0	30.9	34.9	55.3	-20.4	Peak	Vertical
3983.5	40.0	0.3	40.3	55.3	-15.0	Peak	Horizontal
9576.5	36.8	13.9	50.7	55.3	-4.6	Peak	Horizontal
4612.5	38.9	4.1	43.0	55.3	-12.3	Peak	Vertical
9219.5	35.9	14.1	50.0	55.3	-5.3	Peak	Vertical
Middle Channel							
57.2	4.0	22.4	26.4	55.3	-28.9	Peak	Horizontal
823.9	3.4	30.3	33.7	55.3	-21.6	Peak	Horizontal
32.9	13.2	20.4	33.6	55.3	-21.7	Peak	Vertical
60.1	11.7	22.5	34.2	55.3	-21.1	Peak	Vertical
6669.5	37.5	8.4	45.9	55.3	-9.4	Peak	Horizontal
10052.5	35.7	14.1	49.8	55.3	-5.5	Peak	Horizontal
4612.5	40.2	4.1	44.3	55.3	-11.0	Peak	Vertical
9228.0	35.2	14.2	49.4	55.3	-5.9	Peak	Vertical
High Channel							
58.1	4.0	22.4	26.4	55.3	-28.9	Peak	Horizontal
691.1	4.3	28.5	32.8	55.3	-22.5	Peak	Horizontal
32.4	13.9	20.6	34.5	55.3	-20.8	Peak	Vertical
60.1	11.5	22.5	34.0	55.3	-21.3	Peak	Vertical
4663.5	36.9	4.2	41.1	55.3	-14.2	Peak	Horizontal
10375.5	36.2	15.3	51.5	55.3	-3.8	Peak	Horizontal
4621.0	38.0	4.2	42.2	55.3	-13.1	Peak	Vertical
11072.5	34.3	16.8	51.1	55.3	-4.2	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Appendix B - Test Setup Photograph

Refer to "2303RSU050-UT" file.

Appendix C - EUT Photograph

Refer to "2303RSU050-UE" file.