



RF MEASUREMENT REPORT

FCC ID: R68NTC551
Applicant: Lantronix, Inc.
Product: 5G Industrial IOT Router
Model No.: NTC-551
Brand Name: Lantronix
FCC Rule(s): Part 2, 22 (H), 24 (E), 27, 90 (R), 96
Result: Complies
Received Date: 2023-10-27
Test Date: 2023-11-01 ~ 2023-12-28

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
2310RSU045-U1	V01	Initial Report	2024-01-25	Invalid
2310RSU045-U1	V02	Updated the cellular antenna gain	2024-02-07	Invalid
2310RSU045-U1	V03	Modify applicant & manufacturer information	2025-06-17	Valid

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1. General Information

1.1. Applicant

Lantronix, Inc.

48 Discovery, Suite 250, Irvine, California, 92618, United States

1.2. Manufacturer

Lantronix, Inc.

48 Discovery, Suite 250, Irvine, California, 92618, United States

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China Laboratory Accreditations A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China Laboratory Accreditations A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Laboratory Accreditations TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	5G Industrial IOT Router
Model No.	NTC-551
IMEI	863109050035497
GNSS Specification	GPS/Galileo/GLONASS/BDS
Bluetooth Specification	V4.0 single mode
Wi-Fi Specification	802.11a/b/g/n/ac/ax
3GPP Specification	LTE Band 2/4/5/7/12/13/14/17/25/26/29/30/38/41/42/43/46/48/66/71 NR SA/NSA Band n2/5/7/12/13/14/25/26/29/30/38/41/48/66/70/71/77/78
Temperature Operating Range	-30 ~ 70 °C
Power Supply Rating	8 ~ 40Vdc
Integrated WWAN Modular Information	
Modular Name	5G Sub-6 GHz LGA Module
Mode No.	RG520N-NA
FCC ID	XMR2023RG520NNA
Manufacturer	QUECTEL
Integrated Wi-Fi Modular Information	
Modular Name	Wi-Fi & Bluetooth Module
Mode No.	FC64E
FCC ID	XMR202208FC64E
Manufacturer	QUECTEL
Accessories	
AC/DC adapter	Model No.: AD0361-1203000F Input: 100V-240V~50-60Hz 1.0A Max Output: 12.0V=3.0A 36.0W
Remark:	
1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. 2. This device is based on the certification modular to assess the radiated spurious emission. 3. The Bluetooth BLE function of the device is implemented by ESP32-D0WDQ6-V3 chipset.	

1.5. Radio Specification under Test

E-UTRA Specification	
FDD TX Frequency Range	Band 14: 788 ~ 798 MHz
FDD RX Frequency Range	Band 14: 758 ~ 768 MHz
TDD TX & RX Frequency Range	Band 41: 2496 ~ 2690 MHz
Modulation	UL & DL up to 256QAM
NR Specification	
Single Band	n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n48/n66/n71/n77/n78
SA UL MIMO Band	n38/n41/n48/n77/n78
EN-DC Band	n41
HPUE Band	PC2: n38/n41/n77/n78 (SA) PC2: n38 (UL MIMO) PC1.5: n41/n77/n78 (UL MIMO)
FDD TX Frequency Range	n2: 1850 ~ 1910 MHz; n5: 824 ~ 849 MHz; n7: 2500 ~ 2570 MHz n12: 699 ~ 716 MHz; n13: 777 ~ 787 MHz; n14: 788 ~ 798 MHz n25: 1850 ~ 1915 MHz; n26: 814-849 MHz; n30: 2305 ~ 2315 MHz n66: 1710 ~ 1780 MHz; n71: 663 ~ 698MHz
FDD RX Frequency Range	n2: 1930 ~ 1990 MHz; n5: 869 ~ 894 MHz; n7: 2620 ~ 2690 MHz n12: 729 ~ 746 MHz; n13: 746 ~ 756 MHz; n14: 758 ~ 768 MHz n25: 1930 ~ 1995 MHz; n26: 859-849 MHz; n30: 2350 ~ 2360 MHz n66: 2110 ~ 2200 MHz; n71: 617 ~ 652MHz
TDD Frequency Range	n38: 2570 ~ 2620 MHz; n41: 2496 ~ 2690 MHz; n48: 3550 ~ 3700 MHz n77: 3700 ~ 3980MHz; n78: 3300 ~ 3800MHzbe
Support Bandwidth	n2/n5/n25/n26/n71: 5, 10, 15, 20MHz n7/n66: 5, 10, 15, 20, 25, 30, 40MHz n12: 5, 10, 15MHz n13/n14, n30: 5, 10MHz n38: 10, 15, 20, 30, 40MHz n41/n78: 10,15, 20, 30, 40, 50, 60, 70, 80, 90, 100MHz n48: 10, 20, 30, 40MHz n77: 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100MHz
SCS for NR cell	FDD Band: 15kHz; TDD Band: 30kHz
Modulation	UL & DL up to 256QAM
Remark:	
1. In the report of the integrated module, DC_2A_n41A has the largest measured power among all NR ED-DC Bands, so DC_2A_n41A is selected for radiation spurious emission tests.	
2. LTE & NR bands have the same Antenna Port and Power Level, so LTE only selected individual bands for testing	

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE/NR Band 2	1850 ~ 1910	Omni	8
LTE Band 4	1710 ~ 1755		8
LTE/NR Band 5	824 ~ 849		4
LTE/NR Band 7	2500 ~ 2570		8
LTE/NR Band 12	699 ~ 716		4
LTE/NR Band 13	777 ~ 787		4
LTE/NR Band 14	788 ~ 798		4
LTE Band 17	704 ~ 716		4
LTE/NR Band 25	1850 ~ 1915		8
LTE/NR Band 26	814 ~ 849		4
LTE/NR Band 30	2305 ~ 2315		8
LTE/NR Band 38	2570 ~ 2620		8
LTE/NR Band 41	2496 ~ 2690		8
LTE Band 42	3450 ~ 3600		8
LTE Band 43	3600 ~ 3800		8
LTE/NR Band 48	3550 ~ 3700		8
LTE/NR Band 66	1710 ~ 1780		8
n70	1695 ~ 1710		8
LTE/NR Band 71	663 ~ 698		4
NR n77	3450 ~ 3980		8
NR n78	3450 ~ 3800		8

Note 1: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer, and the antenna does not market with device.

Note 2: The representative antennas used for radiation spurious emission tests.

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE/NR Band 2	1850 ~ 1910	Dipole	-0.5
LTE Band 4	1710 ~ 1755		-0.5
LTE/NR Band 5	824 ~ 849		0.9
LTE/NR Band 7	2500 ~ 2570		-1.1
LTE/NR Band 12	699 ~ 716		-5.0
LTE/NR Band 13	777 ~ 787		-5.0
LTE/NR Band 14	788 ~ 798		0.9
LTE Band 17	704 ~ 716		-5.0
LTE/NR Band 25	1850 ~ 1915		-0.5
LTE/NR Band 26	814 ~ 849		0.9
LTE/NR Band 30	2305 ~ 2315		0.1
LTE/NR Band 38	2570 ~ 2620		-1.1
LTE/NR Band 41	2496 ~ 2690		-1.1
LTE Band 42	3450 ~ 3600		-2.4
LTE Band 43	3600 ~ 3800		-2.4
LTE/NR Band 48	3550 ~ 3700		-2.4
LTE/NR Band 66	1710 ~ 1780		-0.5
n70	1695 ~ 1710		-0.5
LTE/NR Band 71	663 ~ 698		-5.0
NR n77	3450 ~ 3980		-2.4
NR n78	3450 ~ 3800		-2.4

Note 1: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer, and the antenna does not market with device.

Note 2: The representative antennas used to calculate the ERP (EIRP).

1.7. Max EIRP/ERP

LTE Band

Technology	Frequency Band (MHz)	Max Conducted Power (dBm)	Antenna Gain (dBi)	Max EIRP/ERP (dBm)	Limit (dBm)
LTE Band 2	1850 ~ 1910	23.45	-0.5	22.95	33.01
LTE Band 4	1710 ~ 1755	23.20	-0.5	22.70	30.00
LTE Band 5	824 ~ 849	22.81	0.9	21.56	38.45
LTE Band 7	2500 ~ 2570	23.50	-1.1	22.40	33.01
LTE Band 12	699 ~ 716	22.50	-5.0	15.35	34.77
LTE Band 13	777 ~ 787	22.44	-5.0	15.29	34.77
LTE Band 14	788 ~ 798	22.51	0.9	21.26	34.77
LTE Band 17	704 ~ 716	22.63	-5.0	15.48	34.77
LTE Band 25	1850 ~ 1915	23.45	-0.5	22.95	33.01
LTE Band 26	814 ~ 849	22.81	0.9	21.56	38.45
LTE Band 30	2305 ~ 2315	22.26	0.1	22.36	23.98
LTE Band 38	2570 ~ 2620	26.41	-1.1	25.31	33.01
LTE Band 41	2496 ~ 2690	26.41	-1.1	25.31	33.01
LTE Band 48	3550 ~ 3700	21.70	-2.4	19.30	23.00
LTE Band 66	1710 ~ 1780	23.20	-0.5	22.70	30.00
LTE Band 71	663 ~ 698	22.45	-5.0	15.30	34.77
Remark: The Max conducted power extracted from the FCC modular report of the FCC ID "XMR2023RG520NNA".					

5G NR Band

Technology	Frequency Band (MHz)	Max Conducted Power (dBm)	Antenna Gain (dBi)	Max EIRP/ERP (dBm)	Limit (dBm)
NR n2	1850 ~ 1910	24.03	-0.5	23.53	33.01
NR n5	824 ~ 849	23.91	0.9	22.66	38.45
NR n7	2500 ~ 2570	24.78	-1.1	23.68	33.01
NR n12	699 ~ 716	23.54	-5.0	16.39	34.77
NR n13	777 ~ 787	22.76	-5.0	15.61	34.77
NR n14	788 ~ 798	23.66	0.9	22.41	34.77
NR n 25	1850 ~ 1915	23.13	-0.5	22.63	33.01
NR n26	814 ~ 849	23.15	0.9	21.90	38.45
NR n30	2305 ~ 2315	22.62	0.1	22.72	23.98
NR n38	2570 ~ 2620	26.38	-1.1	25.28	33.01
NR n41	2496 ~ 2690	29.70	-1.1	28.60	33.01
NR n48	3550 ~ 3700	22.3	-2.4	19.90	23.00
NR n66	1710 ~ 1780	24.23	-0.5	23.73	30.00
NR n71	663 ~ 698	23.6	-5.0	16.45	34.77
NR n77	3450 ~ 3980	28.89	-2.4	26.49	30.00
NR n78	3450 ~ 3800	28.74	-2.4	26.34	30.00

Remark: The Max conducted power extracted from the FCC modular report of the FCC ID "XMR2023RG520NNA".

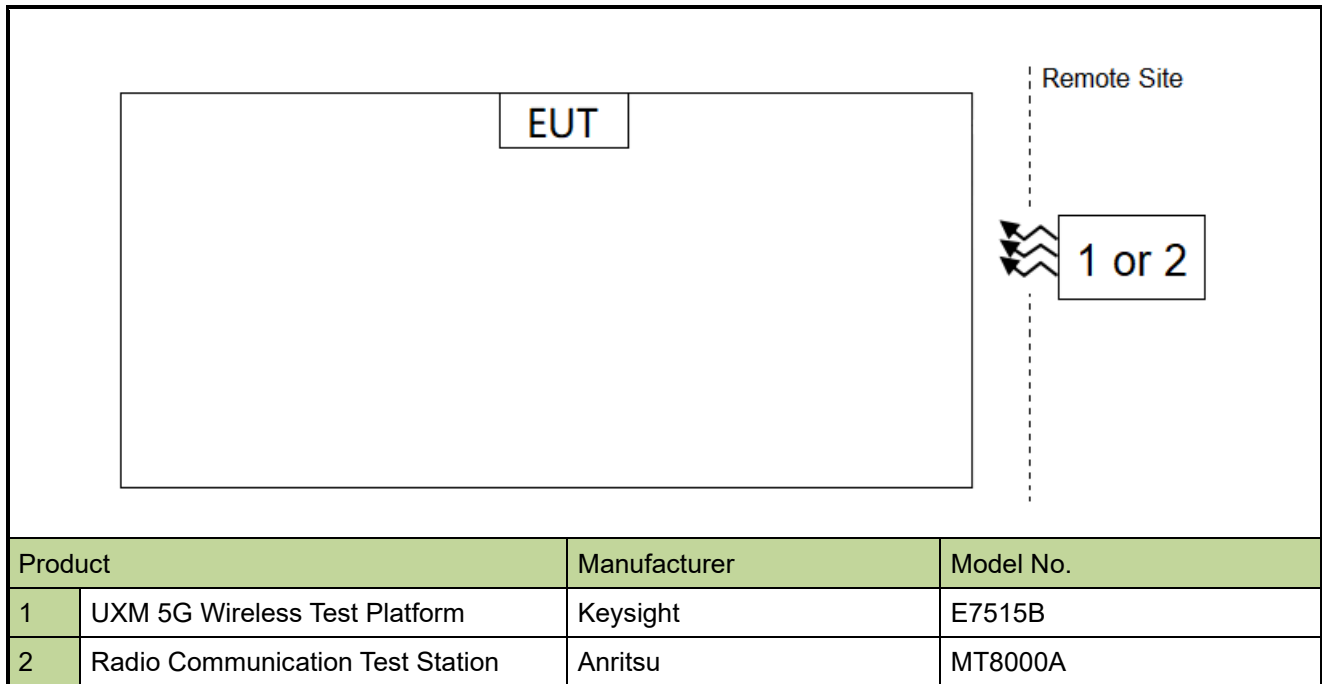
1.8. Test Methodology

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 2, Part 22, Part 24, Part 27, Part 90, Part 96
- 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

2. Test Configuration

2.1. Test System Connection Diagram



2.2. 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
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2024-12-17	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2024-08-09	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2024-10-11	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2024-05-07	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2024-06-09	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2024-04-20	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE06403	1 year	2024-05-31	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2024-10-23	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11039	1 year	2024-10-25	WZ-AC1
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2024-09-17	WZ-AC2
Horn Antenna	ETS	3117	MRTSUE06257	1 year	2024-09-23	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2024-11-04	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2024-01-12	WZ-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06987	1 year	2024-09-07	WZ-AC2
Active Loop Antenna	Schwarzbeck	FMZB 1519-60D	MRTSUE07076	1 year	2024-12-04	WZ-AC2
Passive Magnetic TX Loop Antenna	Schwarzbeck	Cable loop EN 303417	MRTSUE07087	N/A	N/A	WZ-AC2
Test loop antenna	MRT	d-2m	MRTSUE11131	N/A	N/A	WZ-AC2
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2024-05-15	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2024-05-23	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2024-10-11	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2024-05-07	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2024-04-20	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11038	1 year	2024-10-25	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2024-11-07	WZ-AC2
5G Wireless Test Platform	Keysight	E7515B	MRTSUE06942	1 year	2024-02-29	WZ-AC2
Radio Communication Test Station	Anritsu	MT8000A	MRTSUE06961	1 year	2024-06-29	WZ-AC2

Software	Version	Function
EMI V3	V3.0.0	EMI Test Software
Controller_MF 7802	2.03C	RE Antenna & Turntable
Controller_MF 7802	1.02	RE Antenna & Turntable
UXM 5G Automation Toolset	V 7.3	License 4G & 5G

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

The maximum measurement uncertainty is evaluated as:

Coaxial: 9kHz~30MHz: 2.59dB

Coplanar: 9kHz~30MHz: 2.60dB

Horizontal: 30MHz~200MHz: 3.85dB

200MHz~1GHz: 4.36dB

1GHz~40GHz: 4.98dB

Vertical: 30MHz~200MHz: 4.06dB

200MHz~1GHz: 5.28dB

1GHz~40GHz: 4.91dB

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Verdict
2.1053, 22.917(a), 24.238(a), 27.53(a)(4), (g), (h), (l)(2), (m)(4), (n)(2); 90.543(e)(3), (f), 96.41(e)	Transmitter Spurious Emission	Radiated	Pass

Notes:

- 1) For radiated emission tests, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
- 2) n25 (1850 ~ 1915 MHz) overlaps the entire frequency range of n2 (1850 ~ 1910 MHz). Therefore, test data provided in this report covers n2 as well as n25.
- 3) n26 (814 ~ 849 MHz) overlaps the entire frequency range of n5 (824 ~ 849 MHz). Therefore, test data provided in this report covers n5 as well as n26.
- 4) n77 (3300 ~ 4200 MHz) overlaps the entire frequency range of n78 (3300 ~ 3800 MHz). Therefore, test data provided in this report covers n78 as well as n77.
- 5) n41 (2496 ~ 2690 MHz) overlaps the entire frequency range of n38 (2570 ~ 2620 MHz). Therefore, test data provided in this report covers n38 as well as n41.

5.2. Radiated Spurious Emissions Measurement

5.2.1. Test Limit

Out of band emissions: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm.

For n7, n41, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. The emission limit equal to -25dBm.

For n30, n48, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $70 + 10 \log(P)$ dB. The emission limit equal to -40dBm.

For n13, operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

For n14, operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

$E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8$; where D is the measurement distance in meters. The emission limit equal to 82.3dB μ V/m or 70.3dB μ V/m or 55.3dB μ V/m.

5.2.2. Test Procedure

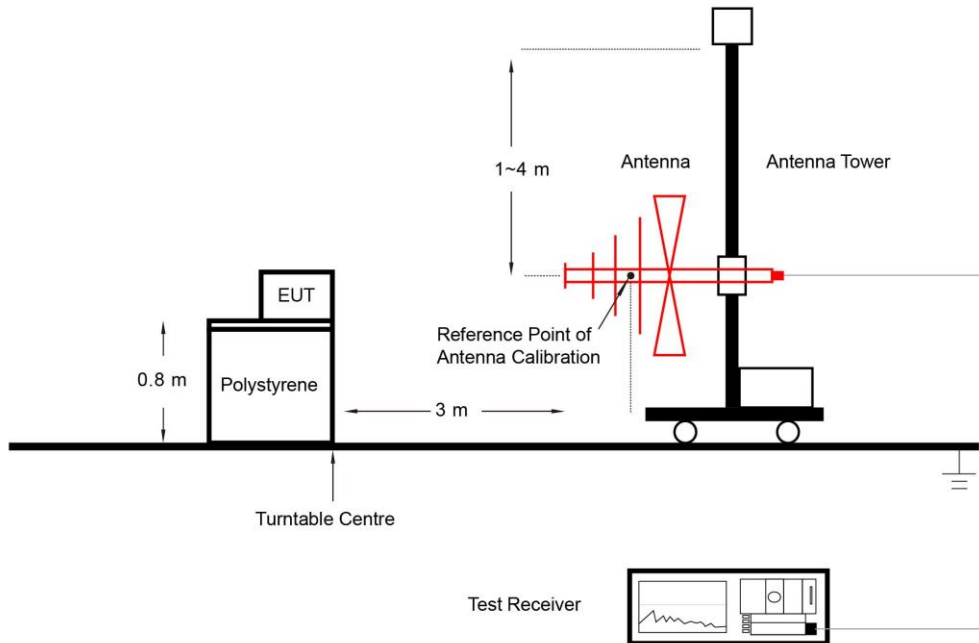
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.2.3. Test Setting

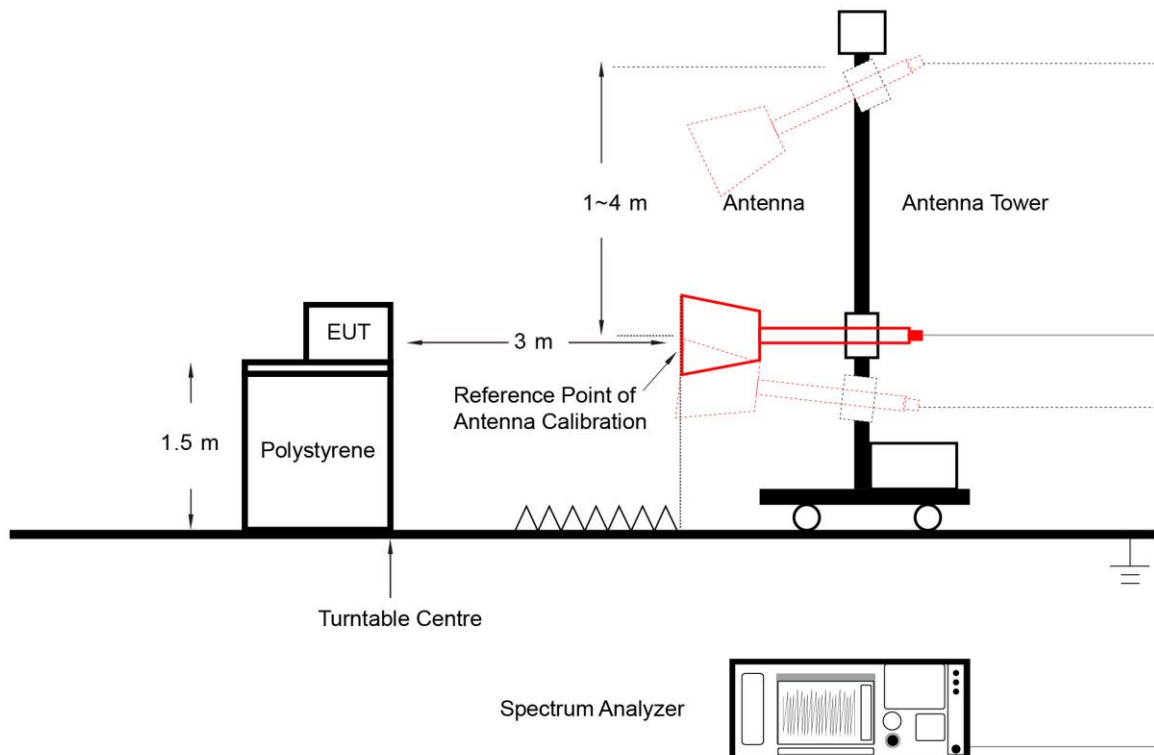
1. RBW = 1MHz
2. VBW $\geq 3 \times$ RBW
3. Sweep time $\geq 10 \times$ (number of points in sweep) $\times$ (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.2.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.2.5. Test Result

Refer to Appendix A.

Appendix A - Radiated Transmitter Spurious Emissions Test Result

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2023-12-24~2023-12-26	Test Band	Band 14_LTE 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
250.120	14.3	16.8	31.1	82.3	-51.2	Quasi-peak	Horizontal
400.210	8.6	20.9	29.5	82.3	-52.8	Quasi-peak	Horizontal
131.520	7.2	17.0	24.2	82.3	-58.1	Quasi-peak	Vertical
250.230	12.6	16.8	29.4	82.3	-52.9	Quasi-peak	Vertical
1586.500	40.8	-6.1	34.7	55.3	-20.6	Peak	Horizontal
14217.500	37.0	15.6	52.6	82.3	-29.7	Peak	Horizontal
1586.500	39.6	-6.1	33.5	55.3	-21.8	Peak	Vertical
14379.000	36.3	15.9	52.2	82.3	-30.1	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2023-12-24~2023-12-26	Test Band	Band 41_LTE 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
250.190	13.6	16.8	30.4	70.3	-39.9	Quasi-peak	Horizontal
400.020	10.5	20.9	31.4	70.3	-38.9	Quasi-peak	Horizontal
132.230	8.6	17.1	25.7	70.3	-44.6	Quasi-peak	Vertical
400.000	10.6	20.9	31.5	70.3	-38.8	Quasi-peak	Vertical
10647.500	35.5	14.4	49.9	70.3	-20.4	Peak	Horizontal
14183.500	36.6	15.6	52.2	70.3	-18.1	Peak	Horizontal
8752.000	37.1	10.0	47.1	70.3	-23.2	Peak	Vertical
15033.500	35.7	15.1	50.8	70.3	-19.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n2/25_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
250.100	1.9	19.9	21.8	82.3	-60.5	Quasi-peak	Horizontal
374.800	0.7	22.7	23.4	82.3	-58.9	Quasi-peak	Horizontal
250.140	2.1	19.9	22.0	82.3	-60.3	Quasi-peak	Vertical
400.300	0.9	23.5	24.4	82.3	-57.9	Quasi-peak	Vertical
7562.000	33.2	11.9	45.1	82.3	-37.2	Peak	Horizontal
14523.500	33.0	19.9	52.9	82.3	-29.4	Peak	Horizontal
9075.000	34.2	13.2	47.4	82.3	-34.9	Peak	Vertical
14311.000	33.1	19.9	53.0	82.3	-29.3	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n5/26_SA (824 ~ 849MHz) 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
50.100	-2.4	20.5	18.1	82.3	-64.2	Quasi-peak	Horizontal
195.100	-0.7	18.8	18.1	82.3	-64.2	Quasi-peak	Horizontal
250.100	2.3	19.9	22.2	82.3	-60.1	Quasi-peak	Vertical
400.100	1.9	23.5	25.4	82.3	-56.9	Quasi-peak	Vertical
14447.000	31.9	20.4	52.3	82.3	-30.0	Peak	Horizontal
17991.500	30.1	28.3	58.3	82.3	-24.0	Peak	Horizontal
14447.000	31.9	20.4	52.3	82.3	-30.0	Peak	Vertical
17991.500	30.1	28.3	58.3	82.3	-24.0	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n7_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
262.400	3.1	20.4	23.5	70.3	-46.8	Quasi-peak	Horizontal
374.400	0.7	22.7	23.4	70.3	-46.9	Quasi-peak	Horizontal
48.200	6.4	20.5	26.9	70.3	-43.4	Quasi-peak	Vertical
374.200	1.9	22.7	24.6	70.3	-45.7	Quasi-peak	Vertical
9406.500	32.9	13.8	46.8	70.3	-23.5	Peak	Horizontal
14336.500	31.9	20.3	52.1	70.3	-18.2	Peak	Horizontal
10299.000	33.0	14.9	47.8	70.3	-22.5	Peak	Vertical
14166.500	32.4	19.8	52.2	70.3	-18.1	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n12_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
130.200	1.3	15.6	16.9	82.3	-65.4	Quasi-peak	Horizontal
250.200	0.8	19.9	20.7	82.3	-61.6	Quasi-peak	Horizontal
250.100	1.3	19.9	21.2	82.3	-61.1	Quasi-peak	Vertical
400.700	0.9	23.6	24.5	82.3	-57.8	Quasi-peak	Vertical
14319.500	32.3	20.0	52.3	82.3	-30.0	Peak	Horizontal
17881.000	30.8	27.7	58.6	82.3	-23.7	Peak	Horizontal
14464.000	31.8	20.2	52.0	82.3	-30.3	Peak	Vertical
17974.500	30.8	28.2	59.0	82.3	-23.3	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n13_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
101.200	-3.1	18.5	15.4	82.3	-66.9	Quasi-peak	Horizontal
250.300	-1.9	19.9	18.0	82.3	-64.3	Quasi-peak	Horizontal
250.200	1.4	19.9	21.3	82.3	-61.0	Quasi-peak	Vertical
400.100	2.3	23.5	25.8	82.3	-56.5	Quasi-peak	Vertical
1603.500	37.1	-5.5	31.7	55.3	-23.6	Peak	Horizontal
17991.500	30.5	28.3	58.8	82.3	-23.6	Peak	Horizontal
1595.000	36.8	-5.5	31.3	55.3	-24.0	Peak	Vertical
17881.000	30.6	27.7	58.3	82.3	-24.0	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n14_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
100.100	-3.5	18.5	15.0	82.3	-67.3	Quasi-peak	Horizontal
250.100	0.7	19.9	20.6	82.3	-61.7	Quasi-peak	Horizontal
250.100	1.1	19.9	21.0	82.3	-61.3	Quasi-peak	Vertical
400.000	3.4	23.5	26.9	82.3	-55.4	Quasi-peak	Vertical
1603.500	36.7	-5.5	31.3	55.3	-24.1	Peak	Horizontal
17974.500	30.3	28.2	58.4	82.3	-23.9	Peak	Horizontal
1578.000	34.7	-5.4	29.3	55.3	-26.0	Peak	Vertical
17974.500	30.3	28.2	58.5	82.3	-23.8	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC1	Test Engineer	Dick Shen
Test Date	2023-12-24~2023-12-26	Test Band	N26_SA (814 ~ 824MHz) 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
250.000	13.5	16.8	30.3	82.3	-52.0	Quasi-peak	Horizontal
400.000	8.5	20.9	29.4	82.3	-52.9	Quasi-peak	Horizontal
131.250	7.0	17.0	24.0	82.3	-58.3	Quasi-peak	Vertical
250.120	11.5	16.8	28.3	82.3	-54.0	Quasi-peak	Vertical
1765.000	40.7	-6.1	34.6	82.3	-47.7	Peak	Horizontal
9993.000	35.4	13.0	48.4	82.3	-33.9	Peak	Horizontal
1416.500	42.1	-5.6	36.5	82.3	-45.8	Peak	Vertical
11013.000	34.9	14.3	49.2	82.3	-33.1	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n30_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
400.100	0.7	23.5	24.2	55.3	-31.1	Quasi-peak	Horizontal
853.200	0.9	31.1	32.0	55.3	-23.3	Quasi-peak	Horizontal
50.400	5.4	20.5	25.9	55.3	-29.4	Quasi-peak	Vertical
939.300	0.8	31.4	32.2	55.3	-23.1	Quasi-peak	Vertical
7111.500	32.3	11.0	43.3	55.3	-12.0	Peak	Horizontal
10911.000	32.4	16.6	49.0	55.3	-6.3	Peak	Horizontal
5734.500	42.8	4.6	47.4	55.3	-7.9	Peak	Vertical
10681.500	31.8	16.3	48.1	55.3	-7.2	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n66_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
263.100	0.7	20.4	21.1	82.3	-61.2	Quasi-peak	Horizontal
400.100	0.3	23.5	23.8	82.3	-58.5	Quasi-peak	Horizontal
39.100	5.9	18.8	24.7	82.3	-57.6	Quasi-peak	Vertical
374.100	1.3	22.7	24.0	82.3	-58.3	Quasi-peak	Vertical
11166.000	31.9	17.0	48.9	82.3	-33.4	Peak	Horizontal
14574.500	32.7	19.4	52.1	82.3	-30.2	Peak	Horizontal
11463.500	32.2	17.5	49.7	82.3	-32.6	Peak	Vertical
14421.500	32.7	19.9	52.6	82.3	-29.7	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n71_SA 5MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
49.100	-3.6	20.6	17.0	82.3	-65.3	Quasi-peak	Horizontal
250.100	1.9	19.9	21.8	82.3	-60.5	Quasi-peak	Horizontal
250.100	1.2	19.9	21.1	82.3	-61.2	Quasi-peak	Vertical
400.700	0.9	23.6	24.5	82.3	-57.8	Quasi-peak	Vertical
14362.000	32.6	20.2	52.9	82.3	-29.4	Peak	Horizontal
17906.500	30.8	28.0	58.8	82.3	-23.5	Peak	Horizontal
14183.500	31.9	19.9	51.8	82.3	-30.5	Peak	Vertical
17898.000	31.3	27.9	59.2	82.3	-23.1	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n38/n41_SA_HPUE 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
262.100	1.8	20.5	22.3	70.3	-48.0	Quasi-peak	Horizontal
606.300	0.4	27.5	27.9	70.3	-42.4	Quasi-peak	Horizontal
36.790	14.2	18.1	32.3	70.3	-38.0	Quasi-peak	Vertical
819.095	1.3	30.7	32.0	70.3	-38.3	Quasi-peak	Vertical
9695.500	33.8	13.5	47.3	70.3	-23.0	Peak	Horizontal
11565.500	39.0	17.8	56.8	70.3	-13.5	Peak	Horizontal
10290.500	33.9	14.8	48.8	70.3	-21.5	Peak	Vertical
11574.000	40.2	17.7	57.8	70.3	-12.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n48_SA 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
262.300	1.1	20.4	21.5	55.3	-33.8	Quasi-peak	Horizontal
400.300	2.6	23.5	26.1	55.3	-29.2	Quasi-peak	Horizontal
34.200	11.3	17.2	28.5	55.3	-26.8	Quasi-peak	Vertical
250.300	1.6	19.9	21.5	55.3	-33.8	Quasi-peak	Vertical
8106.000	33.0	12.1	45.0	55.3	-10.3	Peak	Horizontal
10494.500	31.9	15.4	47.3	55.3	-8.0	Peak	Horizontal
9313.000	32.8	14.0	46.8	55.3	-8.5	Peak	Vertical
10860.000	31.9	16.4	48.3	55.3	-7.0	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n77/n78_SA_HPUE (3450 ~ 3550MHz) 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
80.200	2.9	13.9	16.8	82.3	-65.5	Quasi-peak	Horizontal
400.100	0.8	23.5	24.3	82.3	-58.0	Quasi-peak	Horizontal
34.100	8.3	17.1	25.4	82.3	-56.9	Quasi-peak	Vertical
374.100	1.5	22.7	24.2	82.3	-58.1	Quasi-peak	Vertical
10384.000	33.6	15.1	48.7	82.3	-33.6	Peak	Horizontal
14863.500	33.2	19.5	52.7	82.3	-29.6	Peak	Horizontal
10673.000	32.1	16.3	48.4	82.3	-33.9	Peak	Vertical
14455.500	32.4	20.3	52.7	82.3	-29.6	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n77/n78_SA_HPUE (3700 ~ 3980MHz) 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
48.900	0.1	20.6	20.7	82.3	-61.6	Quasi-peak	Horizontal
250.100	3.7	19.9	23.6	82.3	-58.7	Quasi-peak	Horizontal
39.100	7.4	18.8	26.2	82.3	-56.1	Quasi-peak	Vertical
250.400	3.1	19.9	23.0	82.3	-59.3	Quasi-peak	Vertical
11106.500	32.3	16.7	49.0	82.3	-33.3	Peak	Horizontal
14302.500	32.5	19.9	52.3	82.3	-30.0	Peak	Horizontal
11106.500	32.3	16.7	49.0	82.3	-33.3	Peak	Vertical
14302.500	32.5	19.9	52.3	82.3	-30.0	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n38/n41_MIMO_PC1.5 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
261.400	1.8	20.5	22.3	70.3	-48.0	Quasi-peak	Horizontal
374.200	0.9	22.7	23.6	70.3	-46.7	Quasi-peak	Horizontal
39.100	6.4	18.8	25.2	70.3	-45.1	Quasi-peak	Vertical
826.400	0.1	30.9	31.0	70.3	-39.3	Quasi-peak	Vertical
11072.500	32.3	16.5	48.9	70.3	-21.4	Peak	Horizontal
14328.000	32.1	20.2	52.3	70.3	-18.0	Peak	Horizontal
10673.000	32.6	16.3	48.9	70.3	-21.4	Peak	Vertical
14396.000	32.9	19.7	52.6	70.3	-17.7	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n48_MIMO 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
123.100	-0.6	16.3	15.7	55.3	-39.6	Quasi-peak	Horizontal
474.100	0.3	24.7	25.0	55.3	-30.3	Quasi-peak	Horizontal
53.400	3.7	20.3	24.0	55.3	-31.3	Quasi-peak	Vertical
250.100	2.4	19.9	22.3	55.3	-33.0	Quasi-peak	Vertical
7060.500	31.7	11.1	42.8	55.3	-12.5	Peak	Horizontal
9415.000	32.7	13.8	46.5	55.3	-8.8	Peak	Horizontal
7154.000	31.7	11.7	43.4	55.3	-11.9	Peak	Vertical
9678.500	32.1	13.5	45.6	55.3	-9.7	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n77/n78_MIMO_PC1.5 (3450 ~ 3550MHz) 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
250.300	2.4	19.9	22.3	82.3	-60.0	Quasi-peak	Horizontal
610.100	0.3	27.4	27.7	82.3	-54.6	Quasi-peak	Horizontal
36.400	11.9	18.0	29.9	82.3	-52.4	Quasi-peak	Vertical
62.300	7.6	18.7	26.3	82.3	-56.0	Quasi-peak	Vertical
11089.500	32.4	16.8	49.2	82.3	-33.1	Peak	Horizontal
14540.500	32.2	19.9	52.1	82.3	-30.2	Peak	Horizontal
11200.000	32.2	16.8	49.0	82.3	-33.3	Peak	Vertical
14243.000	32.3	20.0	52.3	82.3	-30.0	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n77/n78_MIMO_PC1.5 (3700 ~ 3980MHz) 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
50.100	0.7	20.5	21.2	82.3	-61.1	Quasi-peak	Horizontal
263.500	0.9	20.4	21.3	82.3	-61.0	Quasi-peak	Horizontal
36.900	11.8	18.1	29.9	82.3	-52.4	Quasi-peak	Vertical
348.700	6.9	22.8	29.7	82.3	-52.6	Quasi-peak	Vertical
11557.000	31.8	17.9	49.7	82.3	-32.6	Peak	Horizontal
14336.500	31.5	20.3	51.8	82.3	-30.5	Peak	Horizontal
11480.500	31.9	17.6	49.5	82.3	-32.8	Peak	Vertical
14430.000	32.0	20.1	52.0	82.3	-30.3	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Site	WZ-AC2	Test Engineer	Ajin Fan
Test Date	2023-11-01~2023-11-08	Test Band	n41_EN-DC 10MHz Bandwidth, 1RB, QPSK

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
32.900	15.1	17.1	32.2	82.3	-50.1	Quasi-peak	Horizontal
250.300	1.4	19.9	21.3	82.3	-61.0	Quasi-peak	Horizontal
32.900	16.6	17.1	33.7	82.3	-48.6	Quasi-peak	Vertical
250.100	0.4	19.9	20.3	82.3	-62.0	Quasi-peak	Vertical
10511.500	32.7	15.4	48.1	82.3	-34.2	Peak	Horizontal
14549.000	32.9	19.7	52.6	82.3	-29.7	Peak	Horizontal
9398.000	32.9	13.8	46.7	82.3	-35.6	Peak	Vertical
17983.000	30.3	28.5	58.8	82.3	-23.5	Peak	Vertical

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 2: The amplitude of Radiated transmitter spurious emissions (Frequency range from 9kHz to 30MHz and above 18GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Appendix B - Test Setup Photograph

Refer to “2310RSU045-UT” file.

Appendix C - EUT Photograph

Refer to “2310RSU045-UE” file.