



RF TEST REPORT

Report No.: SET2022-06943

Product Name: METAVERTU 5G digital mobile phone

Model No.: VTL-202201

FCC ID: 2A6IQ-VTL202201

IC: 28629-VTL202201

Applicant: VERTU INTERNATIONAL CORPORATION LIMITED

Address: 25 St Thomas Street, Winchester, Hampshire, SO23 9HJ, United Kingdom

Dates of Testing: 05/09/2022 - 06/23/2022

Issued by: CCIC Southern Testing Co., Ltd.

Lab Location: Electronic Testing Building, No. 43 Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China.

Tel: 86 755 26627338 **Fax:** 86 755 26627238

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Test Report

Product: METAVERTU 5G digital mobile phone

Brand Name.....: VERTU

Trade Name: VERTU

Applicant.....: VERTU INTERNATIONAL CORPORATION LIMITED

Applicant Address: 25 St Thomas Street, Winchester, Hampshire, SO23 9HJ, United Kingdom

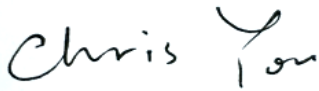
Manufacturer: Chengdu Vertu Business and Service Management Co., Ltd.

Manufacturer Address: 1601,16th Floor, No. 1577 Middle Section of Tianfu Avenue, Chengdu High-tech Zone, China (Sichuan) Pilot Free Trade Zone

Test Standards: 47 CFR Part 15 Subpart E 15.407
ANSI C63.10-2013
RSS-Gen Issue 5, Feb 2021
RSS-247 Issue 2, Feb 2017

Test Result.....: Pass

Tested by:  2022.08.01
Chuiwang Zhang, Test Engineer

Reviewed by:  2022.08.01
Chris You, Senior Engineer

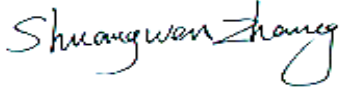
Approved by:  2022.08.01
Shuangwen Zhang, Manager

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Change History		
Issue	Date	Reason for change
1.0	2022.08.01	First edition

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	METAVERTU 5G digital mobile phone
Model No.	VTL-202201
Hardware Version	P10
Software Version	12.0.0_6.01.01.01
EUT supports Radios application	WLAN5.0GHz 802.11a/n/ac/ax
Product Type	Client devices
Modulation Type	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 300 Mbps (2x2MIMO) 802.11ac: up to 1733.333 Mbps (2x2MIMO) 802.11ax: up to 2401.961 Mbps (2x2MIMO)
Frequency Range	UNII-1: 5150 ~ 5250MHz, UNII-2a: 5250 ~ 5350MHz UNII-2c: 5470 ~ 5725MHz, UNII-3: 5725 ~ 5850MHz
Channel Bandwidth	802.11a: 20MHz 802.11n: 20MHz/40MHz 802.11ac/ax: 20MHz/40MHz/80MHz/160MHz
Channel Number	UNII-1: 4 for 802.11a, 802.11n(HT20), 802.11ac(VHT20), 802.11ax(HE20) 2 for 802.11n(HT40), 802.11ac(VHT40), 802.11ax(HE40) 1 for 802.11ac(VHT80), 802.11ax(HE80) UNII-2a: 4 for 802.11a, 802.11n(HT20), 802.11ac(VHT20), 802.11ax(HE20) 2 for 802.11n(HT40), 802.11ac(VHT40), 802.11ax(HE40) 1 for 802.11ac(VHT80), 802.11ax(HE80) 1 for 802.11ac(VHT160), 802.11ax(HE160) UNII-2c: 11 for 802.11a, 802.11n(HT20), 802.11ac(VHT20), 802.11ax(HE20) 5 for 802.11n(HT40), 802.11ac(VHT40), 802.11ax(HE40) 2 for 802.11ac(VHT80), 802.11ax(HE80) 1 for 802.11ac(VHT160), 802.11ax(HE160) UNII-3: 5 for 802.11a, 802.11n(HT20), 802.11ac(VHT20), 802.11ax(HE20) 2 for 802.11n(HT40), 802.11ac(VHT40), 802.11ax(HE40) 1 for 802.11ac(VHT80), 802.11ax(HE80)
Antenna Type	Internal Antenna



Antenna Gain	Antenna 9: -1.5dBi; Antenna 8: -2.8dBi
Output Power (Max.)	UNII-1: 14.30dBm UNII-2a: 14.06dBm UNII-2c: 14.55dBm UNII-3: 14.51dBm
Test Control Software	QRCT 4.0
Power supply	Rechargeable Li-ion Polymer Battery DC3.87V/4500mAh

1.2. Test Standards and Results

The purpose of the report is to conduct testing according to the following FCC/IC certification standards:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E §15.407	Radio Frequency Devices
2	KDB789033 D02 General UNII Test Procedures New Rules v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB 662911 D01 Multiple Transmitter Output v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band
4	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
5	RSS-Gen Issue 5, Feb 2021	General Requirements for Compliance of Radio Apparatus
6	RSS-247 Issue 2, Feb 2017	Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

Test detailed items/section required by FCC/IC rules and results are as below:

No.	FCC Rule	IC Rule	Description	Result
1	15.203 15.407(a)	RSS-GEN, 6.8	Antenna Requirement	PASS
2	15.407(a)(1)(iv) 15.407 (a)(2) 15.407(a)(3)(i)	RSS-247, 6.2.1.1 RSS-247, 6.2.2.1 RSS-247, 6.2.3.1 RSS-247, 6.2.4.1	Maximum Conducted Output Power	PASS
3	15.407(a)(12)	RSS-GEN, 6.7	26dB Emission Bandwidth 99% Occupied Bandwidth	PASS
4	15.407(e)	RSS-247, 6.2.4.1	6dB Emission Bandwidth	PASS
5	15.407(a)(1)(iv) 15.407 (a)(2) 15.407(a)(3)(i)	RSS-247, 6.2.1.1 RSS-247, 6.2.2.1 RSS-247, 6.2.3.1 RSS-247, 6.2.4.1	Power spectral density (PSD)	PASS
6	15.207	RSS-GEN, 8.8	AC Power Line Conducted Emission	PASS
7	15.205 15.209 15.407(b)(1) 15.407(b)(2) 15.407(b)(3) 15.407(b)(4)	RSS-GEN, 6.13 RSS-GEN, 8.10 RSS-247, 6.2.1.2 RSS-247, 6.2.2.2 RSS-247, 6.2.3.2 RSS-247, 6.2.4.2	Radiated Band Edges and Spurious Emission	PASS
8	15.407(g)	RSS-GEN, 6.11	Frequency Stability	PASS

1.3. Channel List

Operated band in 5150 MHz ~ 5250MHz

4 channels are provided for 802.11a, 802.11n-HT20, 802.11ac-VHT20 and 802.11ax-HE20.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	44	5220
40	5200	48	5240

2 channels are provided for 802.11n-HT40, 802.11ac-VHT40 and 802.11ax-HE40.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
38	5190	46	5230

1 channels are provided for 802.11ac-VHT80 and 802.11ax-HE80.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
42	5210	/	/

Operated band in 5250 MHz ~ 5350MHz

4 channels are provided for 802.11a, 802.11n-HT20, 802.11ac-VHT20 and 802.11ax-HE20.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
52	5260	60	5300
56	5280	64	5320

2 channels are provided for 802.11n-HT40, 802.11ac-VHT40 and 802.11ax-HE40.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
54	5270	62	5310

1 channels are provided for 802.11ac-VHT80 and 802.11ax-HE80.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
58	5290	/	/

1 channels are provided for 802.11ac-VHT160 and 802.11ax-HE160.

Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
50	5250	/	/	/	/

Operated band in 5470 MHz ~ 5725MHz

11 channels are provided for 802.11a, 802.11n-HT20, 802.11ac-VHT20 and 802.11ax-HE20.

Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
100	5500	116	5580	132	5660
104	5520	120	5600	136	5680
108	5540	124	5620	140	5700
112	5560	128	5640	/	/

5 channels are provided for 802.11n-HT40, 802.11ac-VHT40 and 802.11ax-HE40.

Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
102	5510	118	5590	134	5670
110	5550	126	5630	/	/

2 channels are provided for 802.11ac-VHT80 and 802.11ax-HE80.

Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
106	5530	122	5610	/	/

1 channels are provided for 802.11ac-VHT160 and 802.11ax-HE160.

Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
114	5570	/	/	/	/

Operated band in 5725 MHz ~ 5850MHz

5 channels are provided for 802.11a, 802.11n-HT20, 802.11ac-VHT20, 802.11ax-HE20.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
149	5745	161	5805
153	5765	165	5825
157	5785		

2 channels are provided for 802.11n-HT40, 802.11ac-VHT40, 802.11ax-HE40.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
151	5755	159	5795

1 channel are provided for 802.11ac-VHT80, 802.11ax-HE80.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
155	5775	/	/

1.4. Test environment and mode

During the measurement, the environmental conditions were within the listed ranges:

Operating Environment	
Temperature	15 °C - 35 °C
Humidity	30% -60%
Atmospheric Pressure	86KPa-106KPa
Test mode:	
Continuously transmitting mode	Keeps the EUT in 100% duty cycle transmitting with modulation in SISO, duty cycle factor is not required.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

For Frequency band 5150 ~ 5250 MHz				
Test Mode	Frequency(MHz)			Data rate
	LCH	MCH	HCH	
802.11a	5180	5220	5240	6 Mbps
802.11n-HT20/ac-VHT20/ax-HE20				MCS 0
802.11n-HT40/ac-VHT40/ax-HE40	5190	/	5230	MCS 0
802.11ac-VHT80/ax-HE80	5210	/	/	MCS 0
Note: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.				

For Frequency band 5250 ~ 5350 MHz				
Test Mode	Frequency(MHz)			Data rate
	LCH	MCH	HCH	
802.11a	5260	5300	5320	6 Mbps
802.11n-HT20/ac-VHT20/ax-HE20				MCS 0
802.11n-HT40/ac-VHT40/ax-HE40	5270	/	5310	MCS 0
802.11ac-VHT80/ax-HE80	5290	/	/	MCS 0
802.11ac-VHT160/ax-HE160	/	5250	/	MCS 0
Note: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.				

For Frequency band 5470 ~ 5725 MHz				
Test Mode	Frequency(MHz)			Data rate
	LCH	MCH	HCH	
802.11a	5500	5600	5700	6 Mbps
802.11n-HT20/ac-VHT20/ax-HE20				MCS 0
802.11n-HT40/ac-VHT40/ax-HE40	5510	5590	5670	MCS 0
802.11ac-VHT80/ax-HE80	5530	/	5610	MCS 0
802.11ac-VHT160/ax-HE160	/	5570	/	MCS 0
Note: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.				

For Frequency band 5725 ~ 5850 MHz				
Test Mode	Frequency(MHz)			Data rate
	LCH	MCH	HCH	
802.11a	5745	5785	5825	6 Mbps
802.11n-HT20/ac-VHT20/ax-HE20				MCS 0
802.11n-HT40/ac-VHT40/ax-HE40	5755	/	5795	MCS 0
802.11ac-VHT80/ax-HE80	5775	/	/	MCS 0
Note: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.				

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation modes or test configuration modes mentioned above was evaluated respectively.

Pretest Test Mode	Description
Mode 1	TX 802.11a SISO Mode
Mode 2	TX 802.11n-HT20 SISO Mode
Mode 3	TX 802.11n-HT40 SISO Mode
Mode 4	TX 802.11ac-VHT20 SISO Mode
Mode 5	TX 802.11ac-VHT40 SISO Mode
Mode 6	TX 802.11ac-VHT80 SISO Mode
Mode 7	TX 802.11ac-VHT160 SISO Mode
Mode 8	TX 802.11ax-HE20 SISO Mode
Mode 9	TX 802.11ax-HE40 SISO Mode
Mode 10	TX 802.11ax-HE80 SISO Mode
Mode 11	TX 802.11ax-HE160 SISO Mode
Mode 12	TX 802.11n-HT20 2*2MIMO Mode
Mode 13	TX 802.11n-HT40 2*2MIMO Mode
Mode 14	TX 802.11ac-VHT20 2*2MIMO Mode
Mode 15	TX 802.11ac-VHT40 2*2MIMO Mode
Mode 16	TX 802.11ac-VHT80 2*2MIMO Mode
Mode 17	TX 802.11ac-VHT160 2*2MIMO Mode
Mode 18	TX 802.11ax-HE20 2*2MIMO Mode
Mode 19	TX 802.11ax-HE40 2*2MIMO Mode
Mode 20	TX 802.11ax-HE80 2*2MIMO Mode
Mode 21	TX 802.11ax-HE160 2*2MIMO Mode
Mode 22	TX Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 22	TX Mode
For Radiated Test	
Final Test Mode	Description
Mode 1	TX 802.11a SISO Mode
Mode 2	TX 802.11n-HT20 SISO Mode
Mode 3	TX 802.11n-HT40 SISO Mode
Mode 4	TX 802.11ac-VHT20 SISO Mode
Mode 5	TX 802.11ac-VHT40 SISO Mode
Mode 6	TX 802.11ac-VHT80 SISO Mode
Mode 7	TX 802.11ac-VHT160 SISO Mode
Mode 8	TX 802.11ax-HE20 SISO Mode
Mode 9	TX 802.11ax-HE40 SISO Mode
Mode 10	TX 802.11ax-HE80 SISO Mode
Mode 11	TX 802.11ax-HE160 SISO Mode
Mode 12	TX 802.11n-HT20 2*2MIMO Mode
Mode 13	TX 802.11n-HT40 2*2MIMO Mode
Mode 14	TX 802.11ac-VHT20 2*2MIMO Mode
Mode 15	TX 802.11ac-VHT40 2*2MIMO Mode
Mode 16	TX 802.11ac-VHT80 2*2MIMO Mode
Mode 17	TX 802.11ac-VHT160 2*2MIMO Mode
Mode 18	TX 802.11ax-HE20 2*2MIMO Mode
Mode 19	TX 802.11ax-HE40 2*2MIMO Mode
Mode 20	TX 802.11ax-HE80 2*2MIMO Mode
Mode 21	TX 802.11ax-HE160 2*2MIMO Mode
Mode 22	TX Mode

1.5. Table for Supporting Units

No.	Equipment	Brand Name	Model Name	Manufacturer	Serial No.	Note
1	Laptop	HP	TPN-Q221	HP	5CD14347QB	FCC DOC

1.6. Laboratory Facilities

FCC-Registration No.: 406086

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until April 19th, 2023.

ISED Registration: 11185A-1

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until Jun. 30th, 2023.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

2. 47 CFR Part 15E Requirements

2.1. Antenna requirement

2.1.1. Applicable Standard

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

According to FCC 15.407(a)(1): For client devices in the 5.15-5.25 GHz band, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to FCC 15.407(a)(2): For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to FCC 15.407(a)(3): For the band 5.725-5.850 GHz, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to RSS GEN 6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

2.1.2. Antenna Information

Antenna Category: Internal Antenna

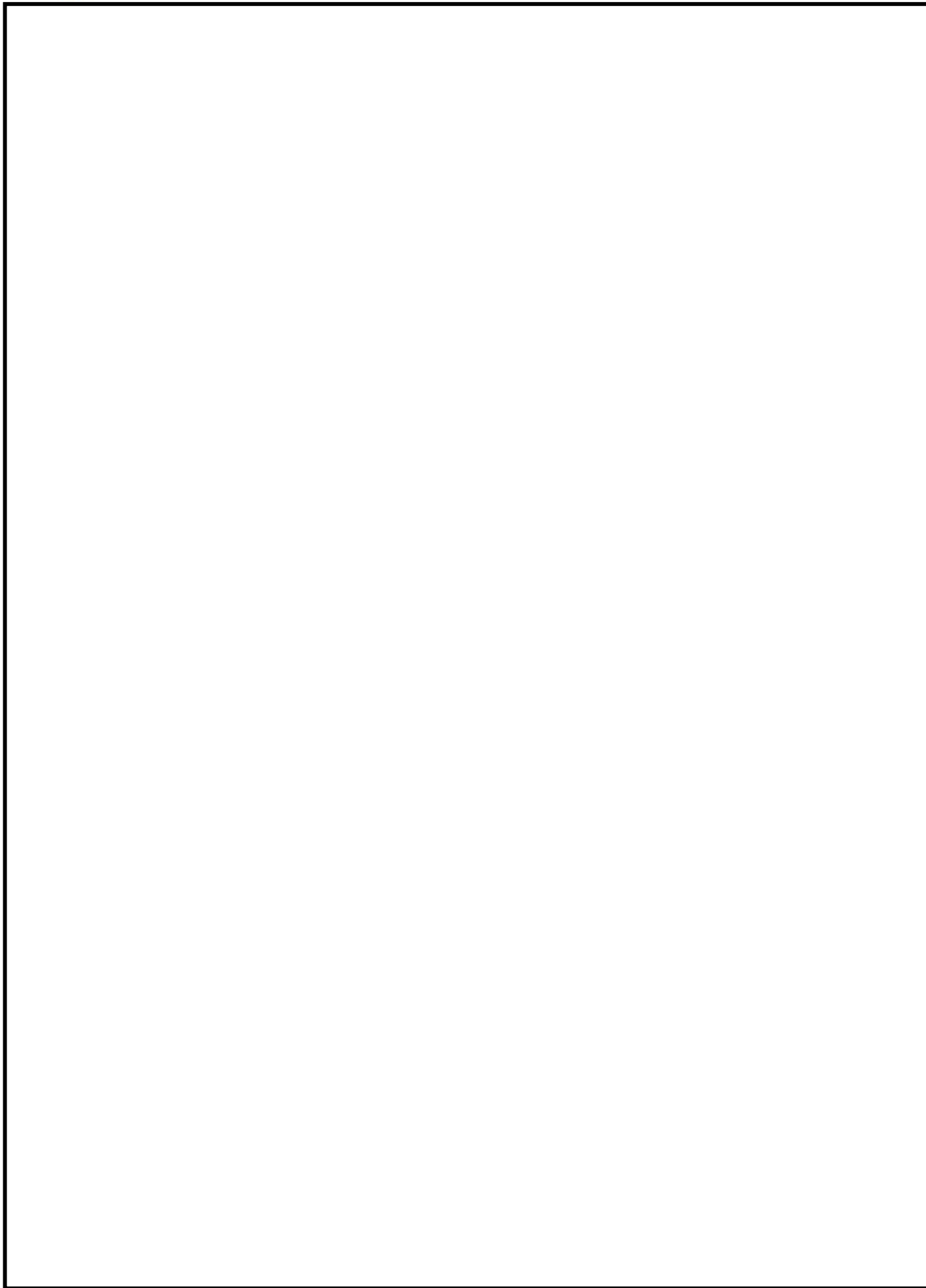
A internal Antenna was soldered to the antenna port of EUT via an adaptor cable, can't be removed.

Antenna General Information:

No.	EUT	Operating frequency range	Ant. Type	Number of antennas	Ant. Gain
1	METAVERTU 5G digital mobile phone	UNII-1, UNII-2a, UNII-2c, UNII-3	Internal	2	Ant 9: -0.6dBi Ant 8: -3.8dBi

2.1.3. Result: comply

The EUT has two permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.



2.2. Maximum Conducted Output Power

2.2.1. Limit of Maximum Conducted Output Power

FCC Part 15.407(a):

The maximum conducted output power should not exceed:

Band	EUT Category	Limit
U-NII-1	☐ Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21dBm) at any elevation angle above 30 degrees as measured from the horizon)
	☐ Fixed point-to-point Access device	1 Watt (30 dBm)
	☐ Indoor Access Point	1 Watt (30 dBm)
	☒ Mobile and portable client device	250mW (24 dBm)
U-NII-2A	☒	250mW (24 dBm) or 11dBm+10logB* Whichever is less.
U-NII-2C	☒	250mW (24 dBm) or 11dBm+10logB* Whichever is less.
U-NII-3	☒	1 Watt (30 dBm)
Note: B* is the 26 dB emission bandwidth in MHz.		

RSS-247, 6:

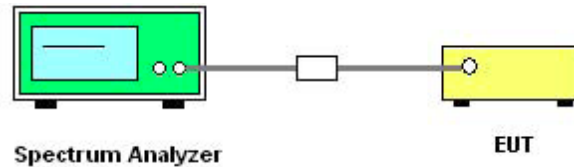
The maximum conducted output power should not exceed:

Band	EUT Category	Limit
U-NII-1	☐ For OEM devices installed in vehicles	Max. e.i.r.p $\leq$ 30mW(14.77dBm) or 1.76+10log ₁₀ B* Whichever is less.
	☒ Equipment other than OEM equipment	Max. e.i.r.p $\leq$ 200mW(23dBm) or 10+10log ₁₀ B* Whichever is less.
U-NII-2A U-NII-2C	☐ For OEM devices installed in vehicles	Max. e.i.r.p $\leq$ 30mW(14.77dBm) or 1.76+10log ₁₀ B* Whichever is less.(U-NII-2A only)
	☒ Equipment other than OEM equipment	Max. Cop $\leq$ 250mW(24Bm) or 11+10log ₁₀ B* Whichever is less. Max. e.i.r.p $\leq$ 1W(30Bm) or 17+10log ₁₀ B* Whichever is less.
U-NII-3	☒	1 Watt (30 dBm)
Note: B* is the 99% emission bandwidth in MHz.		

2.2.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.2.3. Test Setup



2.2.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.E.2.b and ANSI C63.10-2013 Section 12.3.2.2.
2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Power is calculated by integrating over the spectrum of the entire 99% OBW signal using the instrument's band power measurement feature.
4. Set span to encompass the entire 99% OBW of the signal.
5. Set RBW = 1MHz, VBW $\geq$ 3MHz, Sweep time = Auto, Detector = power averaging (RMS).
6. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
7. Trace average at least 100 traces in power averaging (rms) mode.
8. Replace the EUT center frequency and repeat steps 3~7.



2.2.5. Test Results of Maximum Conducted Output Power

Please refer to APPENDIX A for detail

2.3. Power spectral density (PSD)

2.3.1. Limit of Power Spectral Density

FCC Part 15.407(a)

The maximum power spectral density should not exceed:

Band	EUT Category	Limit
U-NII-1	☐ Outdoor Access Point	17 dBm/MHz
	☐ Fixed point-to-point Access device	
	☐ Indoor Access Point	
	☒ Mobile and portable client device	11 dBm/MHz
U-NII-2A	☒	11 dBm/MHz
U-NII-2C	☒	11 dBm/MHz
U-NII-3	☒	30dBm/500kHz

RSS-247, 6:

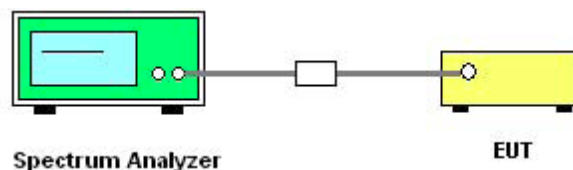
The maximum power spectral density should not exceed:

Band	EUT Category	Limit
U-NII-1	☒ Equipment other than OEM equipment	10 dBm/MHz (EIRP)
U-NII-2A	☒	11 dBm/MHz
U-NII-2C	☒	11 dBm/MHz
U-NII-3	☒	30dBm/500kHz

2.3.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.3.3. Test Setup



2.3.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.F and ANSI C63.10-2013 Section 12.5.
2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set span to encompass the entire 99% OBW of the signal.
4. For U-NII-1, U-NII-2a, U-NII-2c Band: Set RBW = 1MHz, VBW $\geq$ 3MHz, Sweep time = Auto,

Detector = power averaging (RMS).

5. For U-NII-3 Band: Set RBW = 500kHz, VBW $\geq$ 3MHz, Sweep time = Auto, Detector = power averaging (RMS).
6. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
7. Trace average at least 100 traces in power averaging (rms) mode.
8. Use the peak search function on the instrument to find the peak of the spectrum.
9. Replace the EUT center frequency and repeat steps 3~8.

2.3.5. Test Result of Power Spectral Density

Please refer to APPENDIX A for detail

2.4. 26dB Emission Bandwidth and 99% Occupied Bandwidth

2.4.1. Limit of 26dB Emission Bandwidth and 99% Occupied Bandwidth

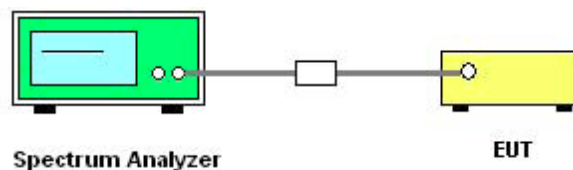
26dB Emission Bandwidth and 99% Occupied Bandwidth no Bandwidth limit.

The minimum 6dB bandwidth of U-NII-3 shall be at least 500 kHz.

2.4.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.4.3. Test Description



2.4.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.C.D and ANSI C63.10-2013 Section 12.4.
2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Use the spectrum analyzer “Channel Bandwidth” function to easurement the 26dB EBW, 6dB EBW and 99% OBW.
4. Set center frequency to the nominal EUT channel center frequency.
5. Set span = 1.5 times to 5.0 times the OBW or EBW.
6. For 26dB EBW and 99% OBW Measurement:
Set RBW = approximately 1% EBW or 1.5 times to 5.0 times the OBW, $VBW \geq 3 \times RBW$.
7. For 6dB EBW Measurement:
Set RBW =100kHz, $VBW \geq 3 \times RBW$.
8. Set Detector = Peak, Trace mode = max hold and Sweep time = auto couple.
9. Allow the trace to stabilize.
10. Replace the EUT center frequency and repeat steps 3~9.

2.4.5. Test Results of 26dB Emission Bandwidth and 99% Occupied Bandwidth

Please refer to APPENDIX A for detail

2.5. Frequency Stability

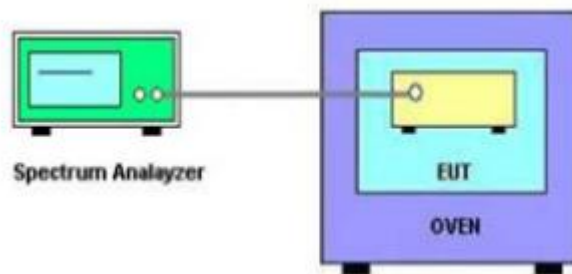
2.5.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

2.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.5.3. Test Setup



2.5.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.A.3 and ANSI C63.10-2013 Section 6.8.
2. The EUT is installed in an environment test chamber with external power source, was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set the chamber to operate at 50 °C and external power source to output at nominal voltage of EUT.
5. A sufficient stabilization period at each temperatures in used prior to each frequency measurement.
6. The test shall be performed under -30 °C to 50 °C and 85% to 115% of the nominal voltage. Change setting of chamber and external power source to complete all conditions.
7. Replace the EUT center frequency and repeat steps 3~6.

2.5.5. Test Result of Frequency Stability

Please refer to APPENDIX A for detail

2.6. Radiated Band Edge and Spurious Emission

2.6.1. Limit of Radiated Band Edges and Spurious Emission

Radiated emission which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level ($\mu\text{V/m}$).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

FCC Part 15.407(b)			
Frequency Band (MHz)	Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength @3m (dB $\mu\text{V/m}$)
5150 - 5250	Outside of the 5.15~5.35 GHz	-27	68.2
5725 - 5850	< 5650	-27	68.2
	5650~5700	-27~10	68.2~105.2
	5700~5720	10~15.6	105.2~110.8
	5720~5725	15.6~27	110.8~122.2
	5850~5855	27~15.6	122.2~110.8
	5855~5875	15.6~10	110.8~105.2
	5875~5925	10~-27	105.2~68.2
	> 5925	-27	68.2

Note:

- 1) $\text{EIRP}[\text{dBm}] = \text{E}[\text{dB}\mu\text{V/m}] + 20 \log(d[\text{m}]) - 104.77$, d is the measurement distance in m.
- 2) $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 68.2 \text{ dBuV/m}$, for $\text{EIRP}[\text{dBm}] = -27\text{dBm}$.
 $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 105.2 \text{ dBuV/m}$, for $\text{EIRP}[\text{dBm}] = 10\text{dBm}$.
 $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 110.8 \text{ dBuV/m}$, for $\text{EIRP}[\text{dBm}] = 15.6\text{dBm}$.
 $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 122.2 \text{ dBuV/m}$, for $\text{EIRP}[\text{dBm}] = 27\text{dBm}$.

Applicable To	Limit	
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	Field Strength at 3m	
	PK: 68.2(dB μ V/m)	AV: 54 (dB μ V/m)

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41	/	/	/

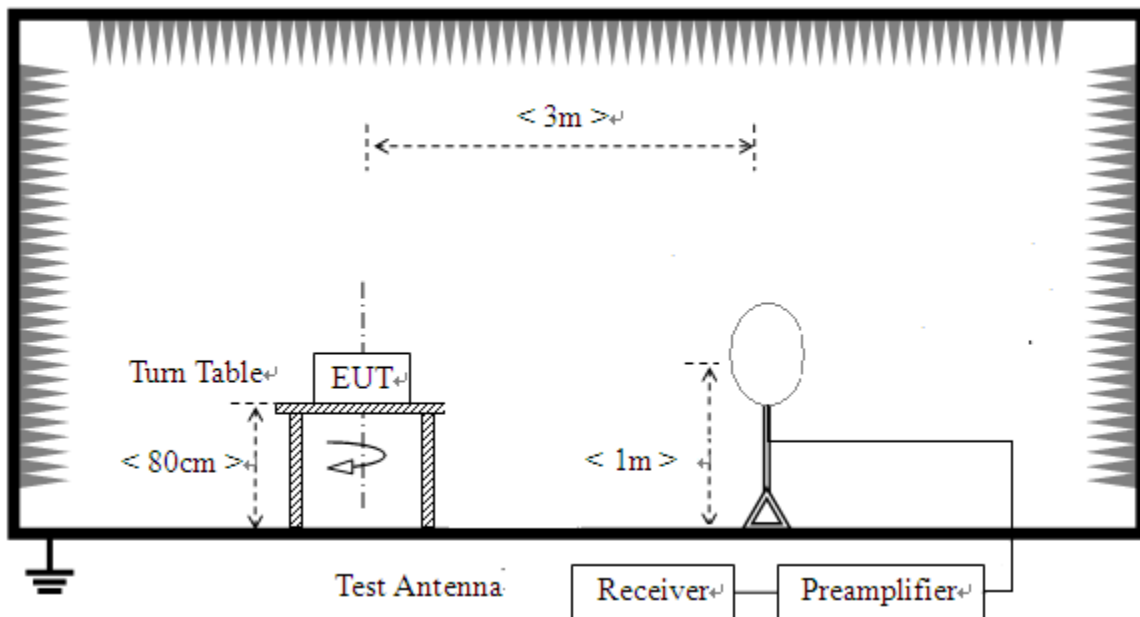
Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
²Above 38.6.

2.6.2. Measuring Instruments

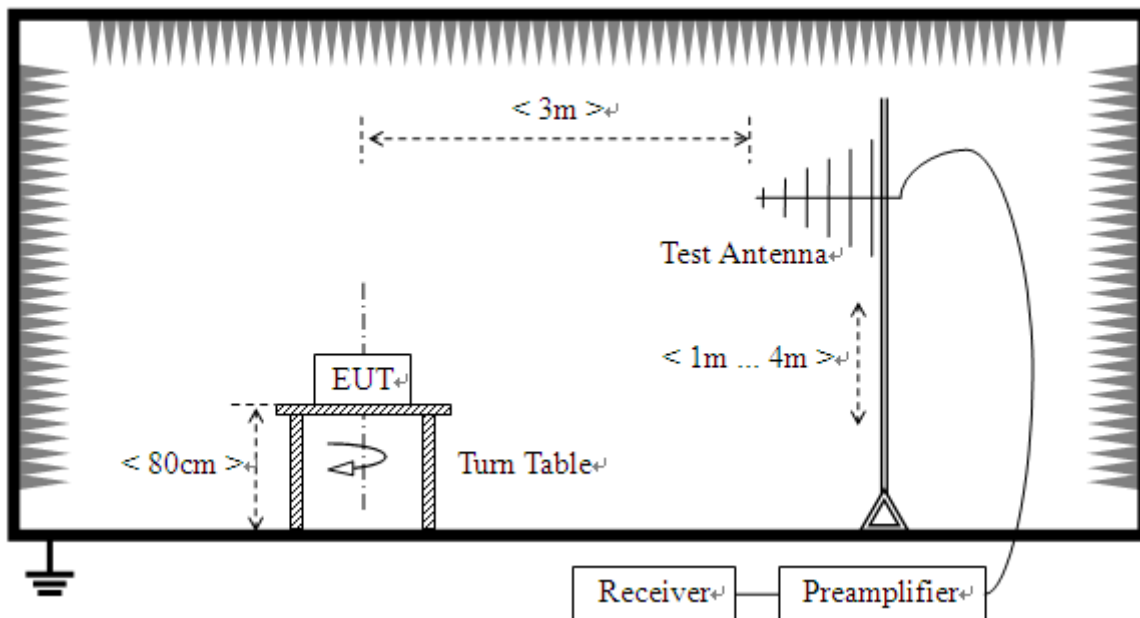
The measuring equipment is listed in the section 3 of this test report.

2.6.3. Test Setup

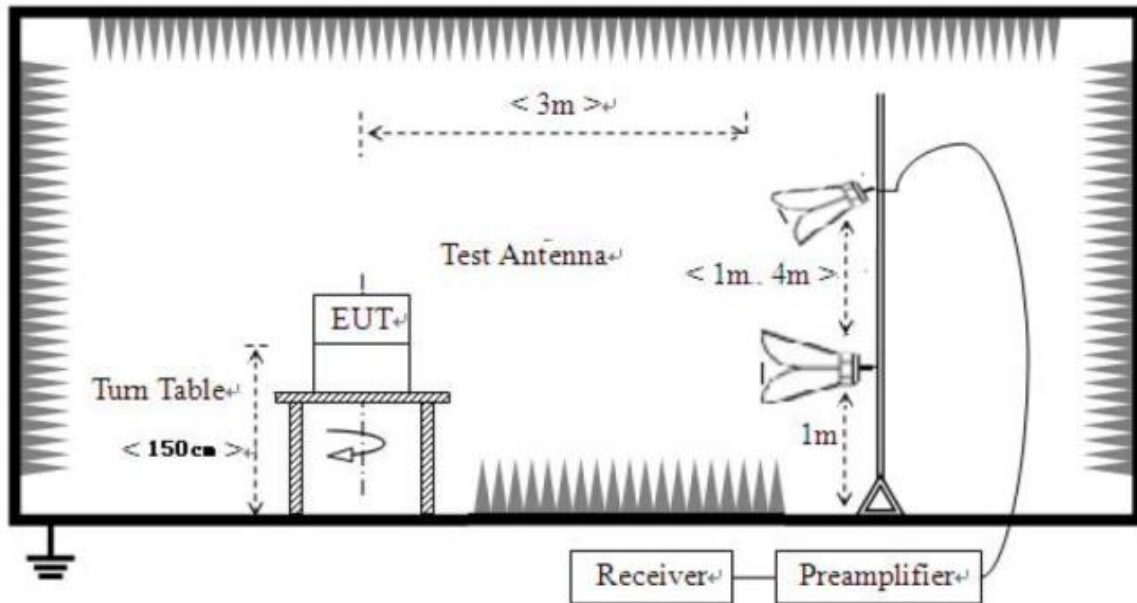
For radiated emissions from 9 kHz to 30 MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



2.6.4. Test Procedures

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
6. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for

Quasi-peak detection (QP) at frequency below 1 GHz.

2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5. Only worst-Case mode data provide here, 802.11a (20MHz) 5180MHz for Below 1GHz.

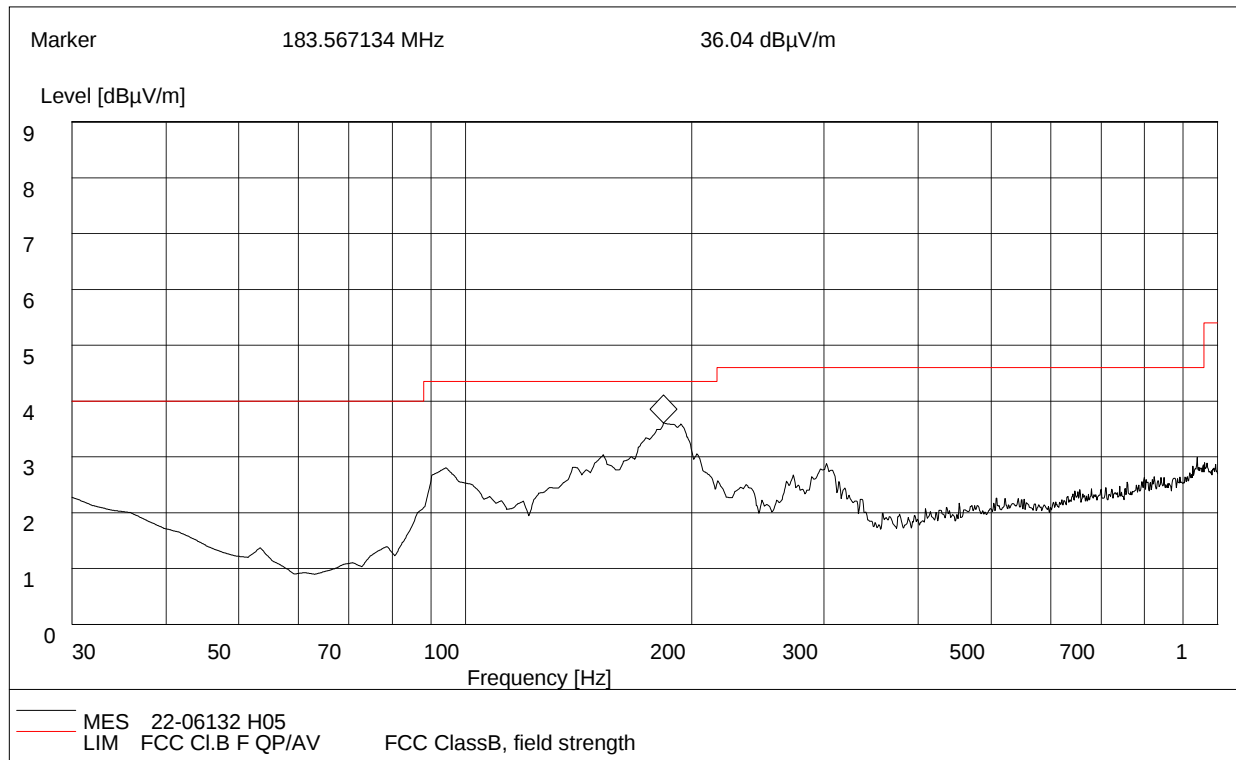
2.6.5. Test Result of Radiated Band Edge and Spurious Emission

NOTE 1: For 9 kHz to 30MHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

NOTE 2: For 30MHz to 1GHz, All of the EUT Configure mode were tested and found 802.11a 5180MHz channel is the worst mode, the worst case is recorded in this report.

NOTE 3: Antenna height and turntable angle are the worst positions, the worst case is recorded in this report.

For 30MHz to 1000 MHz

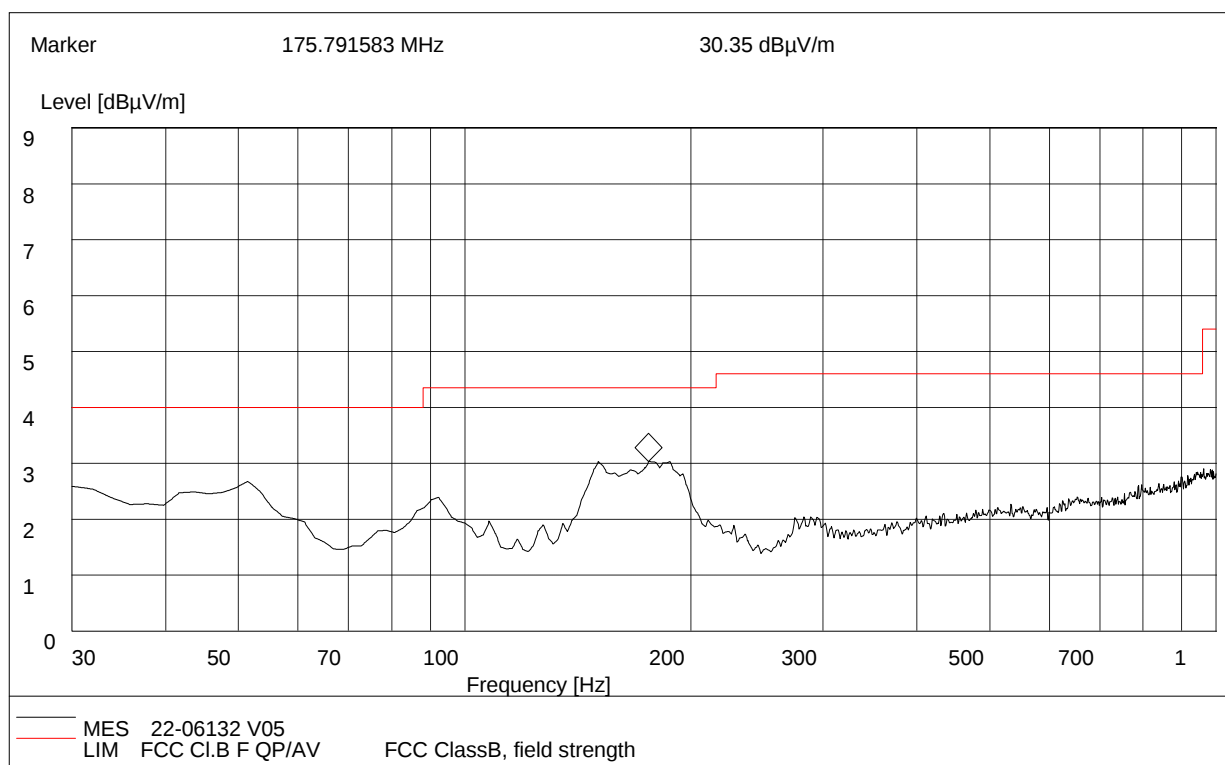


Frequency (MHz)	QuasiPeak (dB μ V/m)	Bandwidth (kHz)	Corr.Factor (dB/m)	Antenna height (cm)	Limit (dB μ V/m)	Margin (dB)	Polarity
30.000000	20.18	120.000	19.3	100.0	40.0	19.82	Horizontal
94.140000	25.39	120.000	9.9	100.0	43.5	18.11	Horizontal
152.460000	28.38	120.000	12.4	100.0	43.5	15.12	Horizontal
183.560000	36.04	120.000	11.0	100.0	43.5	7.46	Horizontal
191.360000	35.96	120.000	10.0	100.0	43.5	7.54	Horizontal
302.140000	26.35	120.000	15.7	100.0	46.0	19.65	Horizontal

Test Result : Pass

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB).
3. Margin value = Limit value - Emission Level.
4. The other emission levels were very low against the limit.



Frequency (MHz)	QuasiPeak (dB μ V/m)	Bandwidth (kHz)	Corr.Factor (dB/m)	Antenna height (cm)	Limit (dB μ V/m)	Margin (dB)	Polarity
30.000000	23.46	120.000	19.3	100.0	40.0	16.54	Vertical
41.660000	22.30	120.000	14.0	100.0	40.0	17.70	Vertical
51.380000	24.37	120.000	8.6	100.0	40.0	15.63	Vertical
92.200000	21.06	120.000	9.9	100.0	43.5	22.44	Vertical
152.520000	28.05	120.000	12.4	100.0	43.5	15.45	Vertical
183.560000	36.21	120.000	11.0	100.0	43.5	7.29	Vertical

Test Result : Pass

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB).
3. Margin value = Limit value - Emission Level.
4. The other emission levels were very low against the limit.

For 1GHz to 40 GHz

U-NII-1_802.11a_5180MHz - Ant9									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.71	68.20	-9.49	1.50	120	51.21	7.50	Horizontal	Peak
5150.00	47.66	54.00	-6.34	1.50	120	40.16	7.50	Horizontal	Average
10360.00	53.14	68.20	-15.06	1.50	120	33.34	19.80	Horizontal	Peak
10360.00	45.64	54.00	-8.36	1.50	120	25.84	19.80	Horizontal	Average
5150.00	59.02	68.20	-9.18	1.60	240	51.52	7.50	Vertical	Peak
5150.00	47.64	54.00	-6.36	1.60	240	40.14	7.50	Vertical	Average
10360.00	52.60	68.20	-15.60	1.60	240	32.80	19.80	Vertical	Peak
10360.00	44.98	54.00	-9.02	1.60	240	25.18	19.80	Vertical	Average
U-NII-1_802.11a_5220MHz - Ant9									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.45	68.20	-14.75	1.60	200	33.55	19.90	Horizontal	Peak
10440.00	45.71	54.00	-8.29	1.60	200	25.81	19.90	Horizontal	Average
10440.00	52.78	68.20	-15.42	1.70	180	32.88	19.90	Vertical	Peak
10440.00	45.03	54.00	-8.97	1.70	180	25.13	19.90	Vertical	Average
U-NII-1_802.11a_5240MHz - Ant9									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.85	68.20	-9.35	1.50	120	50.85	8.00	Horizontal	Peak
5350.00	47.79	54.00	-6.21	1.50	120	39.79	8.00	Horizontal	Average
10480.00	54.13	68.20	-14.07	1.50	120	34.23	19.90	Horizontal	Peak
10480.00	46.37	54.00	-7.63	1.50	120	26.47	19.90	Horizontal	Average
5350.00	59.33	68.20	-8.87	1.60	240	51.33	8.00	Vertical	Peak
5350.00	47.82	54.00	-6.18	1.60	240	39.82	8.00	Vertical	Average
10480.00	52.69	68.20	-15.51	1.60	240	32.79	19.90	Vertical	Peak
10480.00	45.12	54.00	-8.88	1.60	240	25.22	19.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-1_802.11a_5180MHz - Ant8									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.50	68.20	-9.70	1.50	120	51.00	7.50	Horizontal	Peak
5150.00	47.43	54.00	-6.57	1.50	120	39.93	7.50	Horizontal	Average
10360.00	53.28	68.20	-14.92	1.50	120	33.48	19.80	Horizontal	Peak
10360.00	45.24	54.00	-8.76	1.50	120	25.44	19.80	Horizontal	Average
5150.00	59.48	68.20	-8.72	1.60	240	51.98	7.50	Vertical	Peak
5150.00	47.25	54.00	-6.75	1.60	240	39.75	7.50	Vertical	Average
10360.00	52.79	68.20	-15.41	1.60	240	32.99	19.80	Vertical	Peak
10360.00	45.45	54.00	-8.55	1.60	240	25.65	19.80	Vertical	Average
U-NII-1_802.11a_5220MHz - Ant8									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.76	68.20	-14.44	1.50	120	33.86	19.90	Horizontal	Peak
10440.00	45.54	54.00	-8.46	1.50	120	25.64	19.90	Horizontal	Average
10440.00	52.52	68.20	-15.68	1.60	240	32.62	19.90	Vertical	Peak
10440.00	45.06	54.00	-8.94	1.60	240	25.16	19.90	Vertical	Average
U-NII-1_802.11a_5240MHz - Ant8									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.96	68.20	-9.24	1.50	120	50.96	8.00	Horizontal	Peak
5350.00	47.04	54.00	-6.96	1.50	120	39.04	8.00	Horizontal	Average
10480.00	53.08	68.20	-15.12	1.50	120	33.18	19.90	Horizontal	Peak
10480.00	46.85	54.00	-7.15	1.50	120	26.95	19.90	Horizontal	Average
5350.00	59.35	68.20	-8.85	1.60	240	51.35	8.00	Vertical	Peak
5350.00	47.70	54.00	-6.30	1.60	240	39.70	8.00	Vertical	Average
10480.00	51.69	68.20	-16.51	1.60	240	31.79	19.90	Vertical	Peak
10480.00	44.17	54.00	-9.83	1.60	240	24.27	19.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-1_802.11n-HT20_5180MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.56	68.20	-9.64	1.50	120	51.06	7.50	Horizontal	Peak
5150.00	47.74	54.00	-6.26	1.50	120	40.24	7.50	Horizontal	Average
10360.00	52.85	68.20	-15.35	1.50	120	33.05	19.80	Horizontal	Peak
10360.00	46.06	54.00	-7.94	1.50	120	26.26	19.80	Horizontal	Average
5150.00	59.15	68.20	-9.05	1.60	240	51.65	7.50	Vertical	Peak
5150.00	47.90	54.00	-6.10	1.60	240	40.40	7.50	Vertical	Average
10360.00	52.92	68.20	-15.28	1.60	240	33.12	19.80	Vertical	Peak
10360.00	44.81	54.00	-9.19	1.60	240	25.01	19.80	Vertical	Average

U-NII-1_802.11n-HT20_5220MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.35	68.20	-14.85	1.50	120	33.45	19.90	Horizontal	Peak
10440.00	45.71	54.00	-8.29	1.50	120	25.81	19.90	Horizontal	Average
10440.00	52.74	68.20	-15.46	1.60	240	32.84	19.90	Vertical	Peak
10440.00	44.58	54.00	-9.42	1.60	240	24.68	19.90	Vertical	Average

U-NII-1_802.11n-HT20_5240MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.02	68.20	-9.18	1.50	120	51.02	8.00	Horizontal	Peak
5350.00	47.43	54.00	-6.57	1.50	120	39.43	8.00	Horizontal	Average
10480.00	54.37	68.20	-13.83	1.50	120	34.47	19.90	Horizontal	Peak
10480.00	46.71	54.00	-7.29	1.50	120	26.81	19.90	Horizontal	Average
5350.00	59.03	68.20	-9.17	1.60	240	51.03	8.00	Vertical	Peak
5350.00	47.90	54.00	-6.10	1.60	240	39.90	8.00	Vertical	Average
10480.00	52.85	68.20	-15.35	1.60	240	32.95	19.90	Vertical	Peak
10480.00	45.03	54.00	-8.97	1.60	240	25.13	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11ac-VHT20_5180MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.20	68.20	-10.00	1.50	120	50.70	7.50	Horizontal	Peak
5150.00	47.69	54.00	-6.31	1.50	120	40.19	7.50	Horizontal	Average
10360.00	52.61	68.20	-15.59	1.50	120	32.81	19.80	Horizontal	Peak
10360.00	45.60	54.00	-8.40	1.50	120	25.80	19.80	Horizontal	Average
5150.00	59.30	68.20	-8.90	1.60	240	51.80	7.50	Vertical	Peak
5150.00	47.46	54.00	-6.54	1.60	240	39.96	7.50	Vertical	Average
10360.00	53.03	68.20	-15.17	1.60	240	33.23	19.80	Vertical	Peak
10360.00	44.99	54.00	-9.01	1.60	240	25.19	19.80	Vertical	Average

U-NII-1_802.11ac-VHT20_5220MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.36	68.20	-14.84	1.50	120	33.46	19.90	Horizontal	Peak
10440.00	45.90	54.00	-8.10	1.50	120	26.00	19.90	Horizontal	Average
10440.00	52.86	68.20	-15.34	1.60	240	32.96	19.90	Vertical	Peak
10440.00	44.96	54.00	-9.04	1.60	240	25.06	19.90	Vertical	Average

U-NII-1_802.11ac-VHT20_5240MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.52	68.20	-9.68	1.50	120	50.52	8.00	Horizontal	Peak
5350.00	47.44	54.00	-6.56	1.50	120	39.44	8.00	Horizontal	Average
10480.00	52.71	68.20	-15.49	1.50	120	32.81	19.90	Horizontal	Peak
10480.00	46.82	54.00	-7.18	1.50	120	26.92	19.90	Horizontal	Average
5350.00	59.05	68.20	-9.15	1.60	240	51.05	8.00	Vertical	Peak
5350.00	47.67	54.00	-6.33	1.60	240	39.67	8.00	Vertical	Average
10480.00	52.11	68.20	-16.09	1.60	240	32.21	19.90	Vertical	Peak
10480.00	43.72	54.00	-10.28	1.60	240	23.82	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11ax-HE20_5180MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.59	68.20	-9.61	1.50	120	51.09	7.50	Horizontal	Peak
5150.00	47.27	54.00	-6.73	1.50	120	39.77	7.50	Horizontal	Average
10360.00	52.23	68.20	-15.97	1.50	120	32.43	19.80	Horizontal	Peak
10360.00	45.10	54.00	-8.90	1.50	120	25.30	19.80	Horizontal	Average
5150.00	59.63	68.20	-8.57	1.60	240	52.13	7.50	Vertical	Peak
5150.00	47.62	54.00	-6.38	1.60	240	40.12	7.50	Vertical	Average
10360.00	53.45	68.20	-14.75	1.60	240	33.65	19.80	Vertical	Peak
10360.00	45.27	54.00	-8.73	1.60	240	25.47	19.80	Vertical	Average

U-NII-1_802.11ax-HE20_5220MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.40	68.20	-14.80	1.50	120	33.50	19.90	Horizontal	Peak
10440.00	46.39	54.00	-7.61	1.50	120	26.49	19.90	Horizontal	Average
10440.00	52.78	68.20	-15.42	1.60	240	32.88	19.90	Vertical	Peak
10440.00	45.34	54.00	-8.66	1.60	240	25.44	19.90	Vertical	Average

U-NII-1_802.11ax-HE20_5240MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.11	68.20	-10.09	1.50	120	50.11	8.00	Horizontal	Peak
5350.00	47.33	54.00	-6.67	1.50	120	39.33	8.00	Horizontal	Average
10480.00	52.54	68.20	-15.66	1.50	120	32.64	19.90	Horizontal	Peak
10480.00	47.30	54.00	-6.70	1.50	120	27.40	19.90	Horizontal	Average
5350.00	59.27	68.20	-8.93	1.60	240	51.27	8.00	Vertical	Peak
5350.00	47.50	54.00	-6.50	1.60	240	39.50	8.00	Vertical	Average
10480.00	52.10	68.20	-16.10	1.60	240	32.20	19.90	Vertical	Peak
10480.00	43.44	54.00	-10.56	1.60	240	23.54	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11n-HT40_5190MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.52	68.20	-9.68	1.50	120	51.02	7.50	Horizontal	Peak
5150.00	47.46	54.00	-6.54	1.50	120	39.96	7.50	Horizontal	Average
10380.00	51.91	68.20	-16.29	1.50	120	32.11	19.80	Horizontal	Peak
10380.00	45.54	54.00	-8.46	1.50	120	25.74	19.80	Horizontal	Average
5150.00	59.60	68.20	-8.60	1.60	240	52.10	7.50	Vertical	Peak
5150.00	47.81	54.00	-6.19	1.60	240	40.31	7.50	Vertical	Average
10380.00	53.62	68.20	-14.58	1.60	240	33.82	19.80	Vertical	Peak
10380.00	45.71	54.00	-8.29	1.60	240	25.91	19.80	Vertical	Average

U-NII-1_802.11n-HT40_5230MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.14	68.20	-9.06	1.50	120	51.14	8.00	Horizontal	Peak
5350.00	46.99	54.00	-7.01	1.50	120	38.99	8.00	Horizontal	Average
10460.00	53.51	68.20	-14.69	1.50	120	33.61	19.90	Horizontal	Peak
10460.00	47.04	54.00	-6.96	1.50	120	27.14	19.90	Horizontal	Average
5350.00	59.49	68.20	-8.71	1.60	240	51.49	8.00	Vertical	Peak
5350.00	47.44	54.00	-6.56	1.60	240	39.44	8.00	Vertical	Average
10460.00	51.95	68.20	-16.25	1.60	240	32.05	19.90	Vertical	Peak
10460.00	44.66	54.00	-9.34	1.60	240	24.76	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11ac-VHT40_5190MHz - 2x2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.01	68.20	-10.19	1.50	120	50.51	7.50	Horizontal	Peak
5150.00	47.50	54.00	-6.50	1.50	120	40.00	7.50	Horizontal	Average
10380.00	53.17	68.20	-15.03	1.50	120	33.37	19.80	Horizontal	Peak
10380.00	45.18	54.00	-8.82	1.50	120	25.38	19.80	Horizontal	Average
5150.00	59.02	68.20	-9.18	1.60	240	51.52	7.50	Vertical	Peak
5150.00	46.80	54.00	-7.20	1.60	240	39.30	7.50	Vertical	Average
10380.00	52.64	68.20	-15.56	1.60	240	32.84	19.80	Vertical	Peak
10380.00	45.89	54.00	-8.11	1.60	240	26.09	19.80	Vertical	Average

U-NII-1_802.11ac-VHT40_5230MHz - 2x2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.79	68.20	-9.41	1.50	120	50.79	8.00	Horizontal	Peak
5350.00	47.48	54.00	-6.52	1.50	120	39.48	8.00	Horizontal	Average
10460.00	53.99	68.20	-14.21	1.50	120	34.09	19.90	Horizontal	Peak
10460.00	46.62	54.00	-7.38	1.50	120	26.72	19.90	Horizontal	Average
5350.00	59.02	68.20	-9.18	1.60	240	51.02	8.00	Vertical	Peak
5350.00	47.63	54.00	-6.37	1.60	240	39.63	8.00	Vertical	Average
10460.00	52.37	68.20	-15.83	1.60	240	32.47	19.90	Vertical	Peak
10460.00	44.91	54.00	-9.09	1.60	240	25.01	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11ax-HE40_5190MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.04	68.20	-10.16	1.50	120	50.54	7.50	Horizontal	Peak
5150.00	47.39	54.00	-6.61	1.50	120	39.89	7.50	Horizontal	Average
10380.00	53.56	68.20	-14.64	1.50	120	33.76	19.80	Horizontal	Peak
10380.00	45.30	54.00	-8.70	1.50	120	25.50	19.80	Horizontal	Average
5150.00	59.07	68.20	-9.13	1.60	240	51.57	7.50	Vertical	Peak
5150.00	47.04	54.00	-6.96	1.60	240	39.54	7.50	Vertical	Average
10380.00	53.12	68.20	-15.08	1.60	240	33.32	19.80	Vertical	Peak
10380.00	45.65	54.00	-8.35	1.60	240	25.85	19.80	Vertical	Average

U-NII-1_802.11ax-HE40_5230MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	57.69	68.20	-10.51	1.50	120	49.69	8.00	Horizontal	Peak
5350.00	47.43	54.00	-6.57	1.50	120	39.43	8.00	Horizontal	Average
10460.00	52.57	68.20	-15.63	1.50	120	32.67	19.90	Horizontal	Peak
10460.00	47.60	54.00	-6.40	1.50	120	27.70	19.90	Horizontal	Average
5350.00	59.11	68.20	-9.09	1.60	240	51.11	8.00	Vertical	Peak
5350.00	47.03	54.00	-6.97	1.60	240	39.03	8.00	Vertical	Average
10460.00	51.77	68.20	-16.43	1.60	240	31.87	19.90	Vertical	Peak
10460.00	43.20	54.00	-10.80	1.60	240	23.30	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11ac-VHT80_5210MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.48	68.20	-9.72	1.50	120	50.98	7.50	Horizontal	Peak
5150.00	47.35	54.00	-6.65	1.50	120	39.85	7.50	Horizontal	Average
5350.00	58.91	68.20	-9.29	1.50	120	50.91	8.00	Horizontal	Peak
5350.00	47.45	54.00	-6.55	1.50	120	39.45	8.00	Horizontal	Average
10420.00	53.05	68.20	-15.15	1.50	120	33.15	19.90	Horizontal	Peak
10420.00	43.58	54.00	-10.42	1.50	120	23.68	19.90	Horizontal	Average
5150.00	58.21	68.20	-9.99	1.60	240	50.71	7.50	Vertical	Peak
5150.00	48.07	54.00	-5.93	1.60	240	40.57	7.50	Vertical	Average
5350.00	59.08	68.20	-9.12	1.60	240	51.08	8.00	Vertical	Peak
5350.00	47.52	54.00	-6.48	1.60	240	39.52	8.00	Vertical	Average
10420.00	52.59	68.20	-15.61	1.60	240	32.69	19.90	Vertical	Peak
10420.00	43.53	54.00	-10.47	1.60	240	23.63	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-1_802.11ax-HE80_5210MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.82	68.20	-9.38	1.50	120	51.32	7.50	Horizontal	Peak
5150.00	47.79	54.00	-6.21	1.50	120	40.29	7.50	Horizontal	Average
5350.00	59.05	68.20	-9.15	1.50	120	51.05	8.00	Horizontal	Peak
5350.00	47.17	54.00	-6.83	1.50	120	39.17	8.00	Horizontal	Average
10420.00	52.79	68.20	-15.41	1.50	120	32.89	19.90	Horizontal	Peak
10420.00	44.06	54.00	-9.94	1.50	240	24.16	19.90	Horizontal	Average
5150.00	58.14	68.20	-10.06	1.60	240	50.64	7.50	Vertical	Peak
5150.00	48.39	54.00	-5.61	1.60	240	40.89	7.50	Vertical	Average
5350.00	59.11	68.20	-9.09	1.60	240	51.11	8.00	Vertical	Peak
5350.00	47.75	54.00	-6.25	1.60	240	39.75	8.00	Vertical	Average
10420.00	52.76	68.20	-15.44	1.60	240	32.86	19.90	Vertical	Peak
10420.00	43.62	54.00	-10.38	1.60	240	23.72	19.90	Vertical	Average
<i>Remark:</i> 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-2A_802.11a_5260MHz - Ant9

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.51	68.20	-9.69	1.50	120	51.01	7.50	Horizontal	Peak
5150.00	47.58	54.00	-6.42	1.50	120	40.08	7.50	Horizontal	Average
10520.00	53.53	68.20	-14.67	1.50	120	33.53	20.00	Horizontal	Peak
10520.00	45.35	54.00	-8.65	1.50	120	25.35	20.00	Horizontal	Average
5150.00	58.97	68.20	-9.23	1.60	240	51.47	7.50	Vertical	Peak
5150.00	47.37	54.00	-6.63	1.60	240	39.87	7.50	Vertical	Average
10520.00	52.14	68.20	-16.06	1.60	240	32.14	20.00	Vertical	Peak
10520.00	45.41	54.00	-8.59	1.60	240	25.41	20.00	Vertical	Average

U-NII-2A_802.11a_5300MHz - Ant9

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10600.00	53.03	68.20	-15.17	1.50	120	33.03	20.00	Horizontal	Peak
10600.00	46.14	54.00	-7.86	1.50	120	26.14	20.00	Horizontal	Average
10600.00	52.41	68.20	-15.79	1.60	240	32.41	20.00	Vertical	Peak
10600.00	45.01	54.00	-8.99	1.60	240	25.01	20.00	Vertical	Average

U-NII-2A_802.11a_5300MHz - Ant9

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.65	68.20	-9.55	1.50	120	50.65	8.00	Horizontal	Peak
5350.00	47.29	54.00	-6.71	1.50	120	39.29	8.00	Horizontal	Average
10640.00	53.97	68.20	-14.23	1.50	120	33.87	20.10	Horizontal	Peak
10640.00	46.53	54.00	-7.47	1.50	120	26.43	20.10	Horizontal	Average
5350.00	59.01	68.20	-9.19	1.60	240	51.01	8.00	Vertical	Peak
5350.00	47.86	54.00	-6.14	1.60	240	39.86	8.00	Vertical	Average
10640.00	52.21	68.20	-15.99	1.60	240	32.11	20.10	Vertical	Peak
10640.00	44.94	54.00	-9.06	1.60	240	24.84	20.10	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

U-NII-2A_802.11a_5260MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.06	68.20	-10.14	1.50	120	50.56	7.50	Horizontal	Peak
5150.00	47.41	54.00	-6.59	1.50	120	39.91	7.50	Horizontal	Average
10520.00	53.72	68.20	-14.48	1.50	120	33.72	20.00	Horizontal	Peak
10520.00	44.98	54.00	-9.02	1.50	120	24.98	20.00	Horizontal	Average
5150.00	58.40	68.20	-9.80	1.60	240	50.90	7.50	Vertical	Peak
5150.00	46.68	54.00	-7.32	1.60	240	39.18	7.50	Vertical	Average
10520.00	52.88	68.20	-15.32	1.60	240	32.88	20.00	Vertical	Peak
10520.00	45.57	54.00	-8.43	1.60	240	25.57	20.00	Vertical	Average
U-NII-2A_802.11a_5300MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10600.00	53.30	68.20	-14.90	1.50	120	33.30	20.00	Horizontal	Peak
10600.00	45.90	54.00	-8.10	1.50	120	25.90	20.00	Horizontal	Average
10600.00	52.20	68.20	-16.00	1.60	240	32.20	20.00	Vertical	Peak
10600.00	44.91	54.00	-9.09	1.60	240	24.91	20.00	Vertical	Average
U-NII-2A_802.11a_5300MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	57.74	68.20	-10.46	1.50	120	49.74	8.00	Horizontal	Peak
5350.00	47.63	54.00	-6.37	1.50	120	39.63	8.00	Horizontal	Average
10640.00	54.01	68.20	-14.19	1.50	120	33.91	20.10	Horizontal	Peak
10640.00	46.23	54.00	-7.77	1.50	120	26.13	20.10	Horizontal	Average
5350.00	58.68	68.20	-9.52	1.60	240	50.68	8.00	Vertical	Peak
5350.00	47.49	54.00	-6.51	1.60	240	39.49	8.00	Vertical	Average
10640.00	51.58	68.20	-16.62	1.60	240	31.48	20.10	Vertical	Peak
10640.00	44.74	54.00	-9.26	1.60	240	24.64	20.10	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-2A_802.11n-HT20_5260MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.80	68.20	-9.40	1.50	120	51.30	7.50	Horizontal	Peak
5150.00	47.56	54.00	-6.44	1.50	120	40.06	7.50	Horizontal	Average
10520.00	53.20	68.20	-15.00	1.50	120	33.20	20.00	Horizontal	Peak
10520.00	45.46	54.00	-8.54	1.50	120	25.46	20.00	Horizontal	Average
5150.00	58.54	68.20	-9.66	1.60	240	51.04	7.50	Vertical	Peak
5150.00	47.05	54.00	-6.95	1.60	240	39.55	7.50	Vertical	Average
10520.00	52.00	68.20	-16.20	1.60	240	32.00	20.00	Vertical	Peak
10520.00	44.97	54.00	-9.03	1.60	240	24.97	20.00	Vertical	Average
U-NII-2A_802.11n-HT20_5300MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10600.00	53.22	68.20	-14.98	1.50	120	33.22	20.00	Horizontal	Peak
10600.00	46.10	54.00	-7.90	1.50	120	26.10	20.00	Horizontal	Average
10600.00	52.31	68.20	-15.89	1.60	240	32.31	20.00	Vertical	Peak
10600.00	44.80	54.00	-9.20	1.60	240	24.80	20.00	Vertical	Average
U-NII-2A_802.11n-HT20_5320MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.20	68.20	-10.00	1.50	120	50.20	8.00	Horizontal	Peak
5350.00	46.79	54.00	-7.21	1.50	120	38.79	8.00	Horizontal	Average
10640.00	53.86	68.20	-14.34	1.50	120	33.76	20.10	Horizontal	Peak
10640.00	46.45	54.00	-7.55	1.50	120	26.35	20.10	Horizontal	Average
5350.00	59.06	68.20	-9.14	1.60	240	51.06	8.00	Vertical	Peak
5350.00	47.61	54.00	-6.39	1.60	240	39.61	8.00	Vertical	Average
10640.00	52.03	68.20	-16.17	1.60	240	31.93	20.10	Vertical	Peak
10640.00	45.03	54.00	-8.97	1.60	240	24.93	20.10	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-2A_802.11ac-VHT20_5260MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.42	68.20	-9.78	1.50	120	50.92	7.50	Horizontal	Peak
5150.00	47.06	54.00	-6.94	1.50	120	39.56	7.50	Horizontal	Average
10520.00	53.51	68.20	-14.69	1.50	120	33.51	20.00	Horizontal	Peak
10520.00	45.42	54.00	-8.58	1.50	120	25.42	20.00	Horizontal	Average
5150.00	58.68	68.20	-9.52	1.60	240	51.18	7.50	Vertical	Peak
5150.00	46.89	54.00	-7.11	1.60	240	39.39	7.50	Vertical	Average
10520.00	52.48	68.20	-15.72	1.60	240	32.48	20.00	Vertical	Peak
10520.00	45.27	54.00	-8.73	1.60	240	25.27	20.00	Vertical	Average
U-NII-2A_802.11ac-VHT20_5300MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10600.00	53.58	68.20	-14.62	1.50	120	33.58	20.00	Horizontal	Peak
10600.00	46.15	54.00	-7.85	1.50	120	26.15	20.00	Horizontal	Average
10600.00	52.05	68.20	-16.15	1.60	240	32.05	20.00	Vertical	Peak
10600.00	44.98	54.00	-9.02	1.60	240	24.98	20.00	Vertical	Average
U-NII-2A_802.11ac-VHT20_5320MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	57.70	68.20	-10.50	1.50	120	49.70	8.00	Horizontal	Peak
5350.00	47.21	54.00	-6.79	1.50	120	39.21	8.00	Horizontal	Average
10640.00	54.01	68.20	-14.19	1.50	120	33.91	20.10	Horizontal	Peak
10640.00	46.61	54.00	-7.39	1.50	120	26.51	20.10	Horizontal	Average
5350.00	58.98	68.20	-9.22	1.60	240	50.98	8.00	Vertical	Peak
5350.00	47.30	54.00	-6.70	1.60	240	39.30	8.00	Vertical	Average
10640.00	51.62	68.20	-16.58	1.60	240	31.52	20.10	Vertical	Peak
10640.00	44.85	54.00	-9.15	1.60	240	24.75	20.10	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-2A_802.11ax-HE20_5260MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.44	68.20	-9.76	1.50	120	50.94	7.50	Horizontal	Peak
5150.00	47.83	54.00	-6.17	1.50	120	40.33	7.50	Horizontal	Average
10520.00	53.75	68.20	-14.45	1.50	120	33.75	20.00	Horizontal	Peak
10520.00	44.80	54.00	-9.20	1.50	120	24.80	20.00	Horizontal	Average
5150.00	58.05	68.20	-10.15	1.60	240	50.55	7.50	Vertical	Peak
5150.00	46.81	54.00	-7.19	1.60	240	39.31	7.50	Vertical	Average
10520.00	53.29	68.20	-14.91	1.60	240	33.29	20.00	Vertical	Peak
10520.00	45.86	54.00	-8.14	1.60	240	25.86	20.00	Vertical	Average
U-NII-2A_802.11ax-HE20_5300MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10600.00	53.52	68.20	-14.68	1.50	120	33.52	20.00	Horizontal	Peak
10600.00	45.56	54.00	-8.44	1.50	120	25.56	20.00	Horizontal	Average
10600.00	52.50	68.20	-15.70	1.60	240	32.50	20.00	Vertical	Peak
10600.00	45.03	54.00	-8.97	1.60	240	25.03	20.00	Vertical	Average
U-NII-2A_802.11ax-HE20_5320MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.42	68.20	-9.78	1.50	120	50.42	8.00	Horizontal	Peak
5350.00	47.55	54.00	-6.45	1.50	120	39.55	8.00	Horizontal	Average
10640.00	53.40	68.20	-14.80	1.50	120	33.30	20.10	Horizontal	Peak
10640.00	45.95	54.00	-8.05	1.50	120	25.85	20.10	Horizontal	Average
5350.00	58.26	68.20	-9.94	1.60	240	50.26	8.00	Vertical	Peak
5350.00	47.83	54.00	-6.17	1.60	240	39.83	8.00	Vertical	Average
10640.00	50.58	68.20	-17.62	1.60	240	30.48	20.10	Vertical	Peak
10640.00	44.06	54.00	-9.94	1.60	240	23.96	20.10	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-2A_802.11n-HT40_5270MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.97	68.20	-9.23	1.50	120	51.47	7.50	Horizontal	Peak
5150.00	48.69	54.00	-5.31	1.50	120	41.19	7.50	Horizontal	Average
10540.00	54.62	68.20	-13.58	1.50	120	34.62	20.00	Horizontal	Peak
10540.00	45.18	54.00	-8.82	1.50	120	25.18	20.00	Horizontal	Average
5150.00	57.90	68.20	-10.30	1.60	240	50.40	7.50	Vertical	Peak
5150.00	47.05	54.00	-6.95	1.60	240	39.55	7.50	Vertical	Average
10540.00	52.56	68.20	-15.64	1.60	240	32.56	20.00	Vertical	Peak
10540.00	45.19	54.00	-8.81	1.60	240	25.19	20.00	Vertical	Average

U-NII-2A_802.11n-HT40_5310MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.96	68.20	-9.24	1.50	120	50.96	8.00	Horizontal	Peak
5350.00	47.20	54.00	-6.80	1.50	120	39.20	8.00	Horizontal	Average
10620.00	53.60	68.20	-14.60	1.50	120	33.50	20.10	Horizontal	Peak
10620.00	46.26	54.00	-7.74	1.50	120	26.16	20.10	Horizontal	Average
5350.00	59.22	68.20	-8.98	1.60	240	51.22	8.00	Vertical	Peak
5350.00	47.85	54.00	-6.15	1.60	240	39.85	8.00	Vertical	Average
10620.00	52.13	68.20	-16.07	1.60	240	32.03	20.10	Vertical	Peak
10620.00	44.75	54.00	-9.25	1.60	240	24.65	20.10	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2A_802.11ac-VHT40_5270MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.54	68.20	-9.66	1.50	120	51.04	7.50	Horizontal	Peak
5150.00	48.22	54.00	-5.78	1.50	120	40.72	7.50	Horizontal	Average
10540.00	54.27	68.20	-13.93	1.50	120	34.27	20.00	Horizontal	Peak
10540.00	44.95	54.00	-9.05	1.50	120	24.95	20.00	Horizontal	Average
5150.00	58.31	68.20	-9.89	1.60	240	50.81	7.50	Vertical	Peak
5150.00	47.31	54.00	-6.69	1.60	240	39.81	7.50	Vertical	Average
10540.00	53.04	68.20	-15.16	1.60	240	33.04	20.00	Vertical	Peak
10540.00	45.32	54.00	-8.68	1.60	240	25.32	20.00	Vertical	Average

U-NII-2A_802.11ac-VHT40_5310MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	58.51	68.20	-9.69	1.50	120	50.51	8.00	Horizontal	Peak
5350.00	47.43	54.00	-6.57	1.50	120	39.43	8.00	Horizontal	Average
10620.00	53.72	68.20	-14.48	1.50	120	33.62	20.10	Horizontal	Peak
10620.00	45.80	54.00	-8.20	1.50	120	25.70	20.10	Horizontal	Average
5350.00	59.24	68.20	-8.96	1.60	240	51.24	8.00	Vertical	Peak
5350.00	48.25	54.00	-5.75	1.60	240	40.25	8.00	Vertical	Average
10620.00	52.44	68.20	-15.76	1.60	240	32.34	20.10	Vertical	Peak
10620.00	45.02	54.00	-8.98	1.60	240	24.92	20.10	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2A_802.11ax-HE40_5270MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.79	68.20	-9.41	1.50	240	51.29	7.50	Horizontal	Peak
5150.00	48.23	54.00	-5.77	1.50	240	40.73	7.50	Horizontal	Average
10540.00	53.79	68.20	-14.41	1.50	240	33.79	20.00	Horizontal	Peak
10540.00	44.48	54.00	-9.52	1.50	240	24.48	20.00	Horizontal	Average
5150.00	58.31	68.20	-9.89	1.60	240	50.81	7.50	Vertical	Peak
5150.00	46.87	54.00	-7.13	1.60	240	39.37	7.50	Vertical	Average
10540.00	52.89	68.20	-15.31	1.60	240	32.89	20.00	Vertical	Peak
10540.00	45.38	54.00	-8.62	1.60	240	25.38	20.00	Vertical	Average

U-NII-2A_802.11ax-HE40_5310MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	57.94	68.20	-10.26	1.50	240	49.94	8.00	Horizontal	Peak
5350.00	47.27	54.00	-6.73	1.50	240	39.27	8.00	Horizontal	Average
10620.00	53.59	68.20	-14.61	1.50	240	33.49	20.10	Horizontal	Peak
10620.00	45.98	54.00	-8.02	1.50	240	25.88	20.10	Horizontal	Average
5350.00	58.38	68.20	-9.82	1.60	240	50.38	8.00	Vertical	Peak
5350.00	47.38	54.00	-6.62	1.60	240	39.38	8.00	Vertical	Average
10620.00	51.08	68.20	-17.12	1.60	240	30.98	20.10	Vertical	Peak
10620.00	44.41	54.00	-9.59	1.60	240	24.31	20.10	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2A_802.11ac-VHT80_5290MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.09	68.20	-10.11	1.50	120	50.59	7.50	Horizontal	Peak
5150.00	48.65	54.00	-5.35	1.50	120	41.15	7.50	Horizontal	Average
5350.00	58.01	68.20	-10.19	1.50	120	50.01	8.00	Horizontal	Peak
5350.00	47.06	54.00	-6.94	1.50	120	39.06	8.00	Horizontal	Average
10580.00	53.72	68.20	-14.48	1.50	120	33.72	20.00	Horizontal	Peak
10580.00	46.81	54.00	-7.19	1.50	120	26.81	20.00	Horizontal	Average
5150.00	58.59	68.20	-9.61	1.60	240	51.09	7.50	Vertical	Peak
5150.00	47.39	54.00	-6.61	1.60	240	39.89	7.50	Vertical	Average
5350.00	58.90	68.20	-9.30	1.60	240	50.90	8.00	Vertical	Peak
5350.00	47.67	54.00	-6.33	1.60	240	39.67	8.00	Vertical	Average
10580.00	52.05	68.20	-16.15	1.60	240	32.05	20.00	Vertical	Peak
10580.00	44.76	54.00	-9.24	1.60	240	24.76	20.00	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2A_802.11ax-HE80_5290MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.11	68.20	-10.09	1.50	120	50.61	7.50	Horizontal	Peak
5150.00	48.32	54.00	-5.68	1.50	120	40.82	7.50	Horizontal	Average
5350.00	58.43	68.20	-9.77	1.50	120	50.43	8.00	Horizontal	Peak
5350.00	47.24	54.00	-6.76	1.50	120	39.24	8.00	Horizontal	Average
10580.00	53.77	68.20	-14.43	1.50	120	33.77	20.00	Horizontal	Peak
10580.00	47.77	54.00	-6.23	1.50	120	27.77	20.00	Horizontal	Average
5150.00	58.22	68.20	-9.98	1.60	240	50.72	7.50	Vertical	Peak
5150.00	47.68	54.00	-6.32	1.60	240	40.18	7.50	Vertical	Average
5350.00	58.74	68.20	-9.46	1.60	240	50.74	8.00	Vertical	Peak
5350.00	47.86	54.00	-6.14	1.60	240	39.86	8.00	Vertical	Average
10580.00	52.42	68.20	-15.78	1.60	240	32.42	20.00	Vertical	Peak
10580.00	44.83	54.00	-9.17	1.60	240	24.83	20.00	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2A_802.11ac-VHT160_5250MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	57.87	68.20	-10.33	1.50	120	50.37	7.50	Horizontal	Peak
5150.00	48.31	54.00	-5.69	1.50	120	40.81	7.50	Horizontal	Average
5350.00	58.13	68.20	-10.07	1.50	120	50.13	8.00	Horizontal	Peak
5350.00	47.12	54.00	-6.88	1.50	120	39.12	8.00	Horizontal	Average
10500.00	53.67	68.20	-14.53	1.50	120	33.77	19.90	Horizontal	Peak
10500.00	47.13	54.00	-6.87	1.50	120	27.23	19.90	Horizontal	Average
5150.00	58.14	68.20	-10.06	1.60	240	50.64	7.50	Vertical	Peak
5150.00	47.82	54.00	-6.18	1.60	240	40.32	7.50	Vertical	Average
5350.00	58.93	68.20	-9.27	1.60	240	50.93	8.00	Vertical	Peak
5350.00	47.38	54.00	-6.62	1.60	240	39.38	8.00	Vertical	Average
10500.00	52.21	68.20	-15.99	1.60	240	32.31	19.90	Vertical	Peak
10500.00	45.08	54.00	-8.92	1.60	240	25.18	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2A_802.11ax-HE160_5250MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	57.75	68.20	-10.45	1.50	120	50.25	7.50	Horizontal	Peak
5150.00	48.31	54.00	-5.69	1.50	120	40.81	7.50	Horizontal	Average
5350.00	58.31	68.20	-9.89	1.50	120	50.31	8.00	Horizontal	Peak
5350.00	47.01	54.00	-6.99	1.50	120	39.01	8.00	Horizontal	Average
10500.00	54.14	68.20	-14.06	1.50	120	34.24	19.90	Horizontal	Peak
10500.00	47.48	54.00	-6.52	1.50	120	27.58	19.90	Horizontal	Average
5150.00	58.30	68.20	-9.90	1.60	240	50.80	7.50	Vertical	Peak
5150.00	47.60	54.00	-6.40	1.60	240	40.10	7.50	Vertical	Average
5350.00	58.91	68.20	-9.29	1.60	240	50.91	8.00	Vertical	Peak
5350.00	47.81	54.00	-6.19	1.60	240	39.81	8.00	Vertical	Average
10500.00	52.27	68.20	-15.93	1.60	240	32.37	19.90	Vertical	Peak
10500.00	44.96	54.00	-9.04	1.60	240	25.06	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11a_5500MHz - Ant9									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.63	68.20	-8.57	1.50	120	51.13	8.50	Horizontal	Peak
5470.00	48.25	54.00	-5.75	1.50	120	39.75	8.50	Horizontal	Average
11000.00	54.32	68.20	-13.88	1.50	120	33.32	21.00	Horizontal	Peak
11000.00	45.98	54.00	-8.02	1.50	120	24.98	21.00	Horizontal	Average
5470.00	59.78	68.20	-8.42	1.60	240	51.28	8.50	Vertical	Peak
5470.00	48.19	54.00	-5.81	1.60	240	39.69	8.50	Vertical	Average
11000.00	53.64	68.20	-14.56	1.60	240	32.64	21.00	Vertical	Peak
11000.00	45.29	54.00	-8.71	1.60	240	24.29	21.00	Vertical	Average
U-NII-2C_802.11a_5600MHz - Ant9									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11200.00	54.61	68.20	-13.59	1.50	120	33.11	21.50	Horizontal	Peak
11200.00	45.87	54.00	-8.13	1.50	120	24.37	21.50	Horizontal	Average
11200.00	53.49	68.20	-14.71	1.60	240	31.99	21.50	Vertical	Peak
11200.00	45.67	54.00	-8.33	1.60	240	24.17	21.50	Vertical	Average
U-NII-2C_802.11a_5580MHz - Ant9									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.61	68.20	-8.59	1.50	120	49.96	9.65	Horizontal	Peak
5725.00	48.21	54.00	-5.79	1.50	120	38.56	9.65	Horizontal	Average
11400.00	54.52	68.20	-13.68	1.50	120	33.02	21.50	Horizontal	Peak
11400.00	46.89	54.00	-7.11	1.50	120	25.39	21.50	Horizontal	Average
5725.00	60.02	68.20	-8.18	1.60	240	50.37	9.65	Vertical	Peak
5725.00	48.22	54.00	-5.78	1.60	240	38.57	9.65	Vertical	Average
11400.00	53.47	68.20	-14.73	1.60	240	31.97	21.50	Vertical	Peak
11400.00	45.76	54.00	-8.24	1.60	240	24.26	21.50	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-2C_802.11a_5500MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.96	68.20	-8.24	1.50	120	51.46	8.50	Horizontal	Peak
5470.00	48.00	54.00	-6.00	1.50	120	39.50	8.50	Horizontal	Average
11000.00	54.51	68.20	-13.69	1.50	120	33.51	21.00	Horizontal	Peak
11000.00	46.30	54.00	-7.70	1.50	120	25.30	21.00	Horizontal	Average
5470.00	59.64	68.20	-8.56	1.60	240	51.14	8.50	Vertical	Peak
5470.00	47.26	54.00	-6.74	1.60	240	38.76	8.50	Vertical	Average
11000.00	54.82	68.20	-13.38	1.60	240	33.82	21.00	Vertical	Peak
11000.00	46.26	54.00	-7.74	1.60	240	25.26	21.00	Vertical	Average
U-NII-2C_802.11a_5600MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11200.00	55.28	68.20	-12.92	1.50	120	33.78	21.50	Horizontal	Peak
11200.00	45.40	54.00	-8.60	1.50	120	23.90	21.50	Horizontal	Average
11200.00	52.55	68.20	-15.65	1.60	240	31.05	21.50	Vertical	Peak
11200.00	45.96	54.00	-8.04	1.60	240	24.46	21.50	Vertical	Average
U-NII-2C_802.11a_5580MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	58.73	68.20	-9.47	1.50	120	49.08	9.65	Horizontal	Peak
5725.00	48.83	54.00	-5.17	1.50	120	39.18	9.65	Horizontal	Average
11400.00	54.63	68.20	-13.57	1.50	120	33.13	21.50	Horizontal	Peak
11400.00	47.49	54.00	-6.51	1.50	120	25.99	21.50	Horizontal	Average
5725.00	58.97	68.20	-9.23	1.60	240	49.32	9.65	Vertical	Peak
5725.00	48.14	54.00	-5.86	1.60	240	38.49	9.65	Vertical	Average
11400.00	53.62	68.20	-14.58	1.60	240	32.12	21.50	Vertical	Peak
11400.00	46.01	54.00	-7.99	1.60	240	24.51	21.50	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-2C_802.11n-HT20_5500MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.95	68.20	-8.25	1.50	120	51.45	8.50	Horizontal	Peak
5470.00	48.03	54.00	-5.97	1.50	120	39.53	8.50	Horizontal	Average
11000.00	54.45	68.20	-13.75	1.50	120	33.45	21.00	Horizontal	Peak
11000.00	46.33	54.00	-7.67	1.50	120	25.33	21.00	Horizontal	Average
5470.00	59.75	68.20	-8.45	1.60	240	51.25	8.50	Vertical	Peak
5470.00	47.78	54.00	-6.22	1.60	240	39.28	8.50	Vertical	Average
11000.00	54.04	68.20	-14.16	1.60	240	33.04	21.00	Vertical	Peak
11000.00	45.46	54.00	-8.54	1.60	240	24.46	21.00	Vertical	Average
U-NII-2C_802.11n-HT20_5600MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11200.00	54.53	68.20	-13.67	1.50	120	33.03	21.50	Horizontal	Peak
11200.00	45.79	54.00	-8.21	1.50	120	24.29	21.50	Horizontal	Average
11200.00	53.27	68.20	-14.93	1.60	240	31.77	21.50	Vertical	Peak
11200.00	45.86	54.00	-8.14	1.60	240	24.36	21.50	Vertical	Average
U-NII-2C_802.11n-HT20_5700MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.54	68.20	-8.66	1.50	120	49.89	9.65	Horizontal	Peak
5725.00	48.36	54.00	-5.64	1.50	120	38.71	9.65	Horizontal	Average
11400.00	54.28	68.20	-13.92	1.50	120	32.78	21.50	Horizontal	Peak
11400.00	47.37	54.00	-6.63	1.50	120	25.87	21.50	Horizontal	Average
5725.00	59.86	68.20	-8.34	1.60	240	50.21	9.65	Vertical	Peak
5725.00	48.44	54.00	-5.56	1.60	240	38.79	9.65	Vertical	Average
11400.00	53.77	68.20	-14.43	1.60	240	32.27	21.50	Vertical	Peak
11400.00	45.34	54.00	-8.66	1.60	240	23.84	21.50	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-2C_802.11ac-VHT20_5500MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.55	68.20	-8.65	1.50	120	51.05	8.50	Horizontal	Peak
5470.00	48.44	54.00	-5.56	1.50	120	39.94	8.50	Horizontal	Average
11000.00	54.17	68.20	-14.03	1.50	120	33.17	21.00	Horizontal	Peak
11000.00	46.33	54.00	-7.67	1.50	120	25.33	21.00	Horizontal	Average
5470.00	59.34	68.20	-8.86	1.60	240	50.84	8.50	Vertical	Peak
5470.00	47.63	54.00	-6.37	1.60	240	39.13	8.50	Vertical	Average
11000.00	54.43	68.20	-13.77	1.60	240	33.43	21.00	Vertical	Peak
11000.00	45.93	54.00	-8.07	1.60	240	24.93	21.00	Vertical	Average

U-NII-2C_802.11ac-VHT20_5600MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11200.00	54.82	68.20	-13.38	1.50	120	33.32	21.50	Horizontal	Peak
11200.00	45.46	54.00	-8.54	1.50	120	23.96	21.50	Horizontal	Average
11200.00	53.02	68.20	-15.18	1.60	240	31.52	21.50	Vertical	Peak
11200.00	45.96	54.00	-8.04	1.60	240	24.46	21.50	Vertical	Average

U-NII-2C_802.11ac-VHT20_5700MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.10	68.20	-9.10	1.50	120	49.45	9.65	Horizontal	Peak
5725.00	48.46	54.00	-5.54	1.50	120	38.81	9.65	Horizontal	Average
11400.00	54.70	68.20	-13.50	1.50	120	33.20	21.50	Horizontal	Peak
11400.00	47.35	54.00	-6.65	1.50	120	25.85	21.50	Horizontal	Average
5725.00	59.43	68.20	-8.77	1.60	240	49.78	9.65	Vertical	Peak
5725.00	48.24	54.00	-5.76	1.60	240	38.59	9.65	Vertical	Average
11400.00	53.38	68.20	-14.82	1.60	240	31.88	21.50	Vertical	Peak
11400.00	45.77	54.00	-8.23	1.60	240	24.27	21.50	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11ax-HE20_5500MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.37	68.20	-8.83	1.50	120	50.87	8.50	Horizontal	Peak
5470.00	48.26	54.00	-5.74	1.50	120	39.76	8.50	Horizontal	Average
11000.00	54.03	68.20	-14.17	1.50	120	33.03	21.00	Horizontal	Peak
11000.00	46.77	54.00	-7.23	1.50	120	25.77	21.00	Horizontal	Average
5470.00	59.48	68.20	-8.72	1.60	240	50.98	8.50	Vertical	Peak
5470.00	46.99	54.00	-7.01	1.60	240	38.49	8.50	Vertical	Average
11000.00	55.01	68.20	-13.19	1.60	240	34.01	21.00	Vertical	Peak
11000.00	46.86	54.00	-7.14	1.60	240	25.86	21.00	Vertical	Average

U-NII-2C_802.11ax-HE20_5600MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11200.00	55.65	68.20	-12.55	1.50	120	34.15	21.50	Horizontal	Peak
11200.00	44.64	54.00	-9.36	1.50	120	23.14	21.50	Horizontal	Average
11200.00	51.78	68.20	-16.42	1.60	240	30.28	21.50	Vertical	Peak
11200.00	45.40	54.00	-8.60	1.60	240	23.90	21.50	Vertical	Average

U-NII-2C_802.11ax-HE20_5700MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.63	68.20	-8.57	1.50	120	49.98	9.65	Horizontal	Peak
5725.00	48.96	54.00	-5.04	1.50	120	39.31	9.65	Horizontal	Average
11400.00	54.37	68.20	-13.83	1.50	120	32.87	21.50	Horizontal	Peak
11400.00	47.67	54.00	-6.33	1.50	120	26.17	21.50	Horizontal	Average
5725.00	58.52	68.20	-9.68	1.60	240	48.87	9.65	Vertical	Peak
5725.00	48.78	54.00	-5.22	1.60	240	39.13	9.65	Vertical	Average
11400.00	54.03	68.20	-14.17	1.60	240	32.53	21.50	Vertical	Peak
11400.00	46.23	54.00	-7.77	1.60	240	24.73	21.50	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11n-HT40_5510MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	60.25	68.20	-7.95	1.50	120	51.75	8.50	Horizontal	Peak
5470.00	48.04	54.00	-5.96	1.50	120	39.54	8.50	Horizontal	Average
11020.00	54.30	68.20	-13.90	1.50	120	33.30	21.00	Horizontal	Peak
11020.00	46.33	54.00	-7.67	1.50	120	25.33	21.00	Horizontal	Average
5470.00	59.20	68.20	-9.00	1.60	240	50.70	8.50	Vertical	Peak
5470.00	47.75	54.00	-6.25	1.60	240	39.25	8.50	Vertical	Average
11020.00	54.79	68.20	-13.41	1.60	240	33.79	21.00	Vertical	Peak
11020.00	46.28	54.00	-7.72	1.60	240	25.28	21.00	Vertical	Average
U-NII-2C_802.11n-HT40_5590MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11180.00	55.40	68.20	-12.80	1.50	120	33.90	21.50	Horizontal	Peak
11180.00	45.17	54.00	-8.83	1.50	120	23.67	21.50	Horizontal	Average
11180.00	52.15	68.20	-16.05	1.60	240	30.65	21.50	Vertical	Peak
11180.00	45.84	54.00	-8.16	1.60	240	24.34	21.50	Vertical	Average
U-NII-2C_802.11n-HT40_5670MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.92	68.20	-8.28	1.50	120	50.27	9.65	Horizontal	Peak
5725.00	48.91	54.00	-5.09	1.50	120	39.26	9.65	Horizontal	Average
11340.00	53.51	68.20	-14.69	1.50	120	32.11	21.40	Horizontal	Peak
11340.00	46.97	54.00	-7.03	1.50	120	25.57	21.40	Horizontal	Average
5725.00	58.59	68.20	-9.61	1.60	240	48.94	9.65	Vertical	Peak
5725.00	49.34	54.00	-4.66	1.60	240	39.69	9.65	Vertical	Average
11340.00	54.02	68.20	-14.18	1.60	240	32.62	21.40	Vertical	Peak
11340.00	46.47	54.00	-7.53	1.60	240	25.07	21.40	Vertical	Average
Remark: - Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) - Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) - Margin value = Emission Level – Limit value - The emission levels of other frequencies are very lower than the limit and not show in test report. - ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-2C_802.11ac-VHT40_5510MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.99	68.20	-8.21	1.50	120	51.49	8.50	Horizontal	Peak
5470.00	48.15	54.00	-5.85	1.50	120	39.65	8.50	Horizontal	Average
11020.00	54.37	68.20	-13.83	1.50	120	33.37	21.00	Horizontal	Peak
11020.00	45.98	54.00	-8.02	1.50	120	24.98	21.00	Horizontal	Average
5470.00	58.85	68.20	-9.35	1.60	240	50.35	8.50	Vertical	Peak
5470.00	47.40	54.00	-6.60	1.60	240	38.90	8.50	Vertical	Average
11020.00	55.15	68.20	-13.05	1.60	240	34.15	21.00	Vertical	Peak
11020.00	46.77	54.00	-7.23	1.60	240	25.77	21.00	Vertical	Average

U-NII-2C_802.11ac-VHT40_5590MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11180.00	55.67	68.20	-12.53	1.50	120	34.17	21.50	Horizontal	Peak
11180.00	45.25	54.00	-8.75	1.50	120	23.75	21.50	Horizontal	Average
11180.00	52.06	68.20	-16.14	1.60	240	30.56	21.50	Vertical	Peak
11180.00	45.50	54.00	-8.50	1.60	240	24.00	21.50	Vertical	Average

U-NII-2C_802.11ac-VHT40_5670MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.75	68.20	-8.45	1.50	120	50.10	9.65	Horizontal	Peak
5725.00	49.01	54.00	-4.99	1.50	120	39.36	9.65	Horizontal	Average
11340.00	54.01	68.20	-14.19	1.50	120	32.61	21.40	Horizontal	Peak
11340.00	47.27	54.00	-6.73	1.50	120	25.87	21.40	Horizontal	Average
5725.00	59.01	68.20	-9.19	1.60	240	49.36	9.65	Vertical	Peak
5725.00	48.90	54.00	-5.10	1.60	240	39.25	9.65	Vertical	Average
11340.00	54.50	68.20	-13.70	1.60	240	33.10	21.40	Vertical	Peak
11340.00	46.19	54.00	-7.81	1.60	240	24.79	21.40	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11ax-HE40_5510MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.86	68.20	-8.34	1.50	120	51.36	8.50	Horizontal	Peak
5470.00	48.38	54.00	-5.62	1.50	120	39.88	8.50	Horizontal	Average
11020.00	54.25	68.20	-13.95	1.50	120	33.25	21.00	Horizontal	Peak
11020.00	46.37	54.00	-7.63	1.50	120	25.37	21.00	Horizontal	Average
5470.00	59.17	68.20	-9.03	1.60	240	50.67	8.50	Vertical	Peak
5470.00	47.41	54.00	-6.59	1.60	240	38.91	8.50	Vertical	Average
11020.00	55.32	68.20	-12.88	1.60	240	34.32	21.00	Vertical	Peak
11020.00	47.00	54.00	-7.00	1.60	240	26.00	21.00	Vertical	Average

U-NII-2C_802.11ax-HE40_5590MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11180.00	55.93	68.20	-12.27	1.50	120	34.43	21.50	Horizontal	Peak
11180.00	45.02	54.00	-8.98	1.50	120	23.52	21.50	Horizontal	Average
11180.00	51.62	68.20	-16.58	1.60	240	30.12	21.50	Vertical	Peak
11180.00	45.15	54.00	-8.85	1.60	240	23.65	21.50	Vertical	Average

U-NII-2C_802.11ax-HE40_5670MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.19	68.20	-9.01	1.50	120	49.54	9.65	Horizontal	Peak
5725.00	49.11	54.00	-4.89	1.50	120	39.46	9.65	Horizontal	Average
11340.00	54.23	68.20	-13.97	1.50	120	32.83	21.40	Horizontal	Peak
11340.00	47.64	54.00	-6.36	1.50	120	26.24	21.40	Horizontal	Average
5725.00	58.96	68.20	-9.24	1.60	240	49.31	9.65	Vertical	Peak
5725.00	48.38	54.00	-5.62	1.60	240	38.73	9.65	Vertical	Average
11340.00	53.88	68.20	-14.32	1.60	240	32.48	21.40	Vertical	Peak
11340.00	46.36	54.00	-7.64	1.60	240	24.96	21.40	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11ac-VHT80_5530MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	60.35	68.20	-7.85	1.50	120	51.85	8.50	Horizontal	Peak
5470.00	48.22	54.00	-5.78	1.50	120	39.72	8.50	Horizontal	Average
11060.00	54.69	68.20	-13.51	1.50	120	33.69	21.00	Horizontal	Peak
11060.00	45.61	54.00	-8.39	1.50	120	24.61	21.00	Horizontal	Average
5470.00	58.77	68.20	-9.43	1.60	240	50.27	8.50	Vertical	Peak
5470.00	46.98	54.00	-7.02	1.60	240	38.48	8.50	Vertical	Average
11060.00	54.74	68.20	-13.46	1.60	240	33.74	21.00	Vertical	Peak
11060.00	46.66	54.00	-7.34	1.60	240	25.66	21.00	Vertical	Average

U-NII-2C_802.11ac-VHT80_5610MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	60.08	68.20	-8.12	1.50	120	50.30	9.78	Horizontal	Peak
5725.00	48.77	54.00	-5.23	1.50	120	38.99	9.78	Horizontal	Average
11220.00	54.00	68.20	-14.20	1.50	120	32.20	21.80	Horizontal	Peak
11220.00	47.37	54.00	-6.63	1.50	120	25.57	21.80	Horizontal	Average
5725.00	59.39	68.20	-8.81	1.60	240	49.61	9.78	Vertical	Peak
5725.00	48.93	54.00	-5.07	1.60	240	39.15	9.78	Vertical	Average
11220.00	53.66	68.20	-14.54	1.60	240	31.86	21.80	Vertical	Peak
11220.00	46.16	54.00	-7.84	1.60	240	24.36	21.80	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11ax-HE80_5530MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.71	68.20	-8.49	1.50	120	51.21	8.50	Horizontal	Peak
5470.00	48.70	54.00	-5.30	1.50	120	40.20	8.50	Horizontal	Average
11060.00	53.91	68.20	-14.29	1.50	120	32.91	21.00	Horizontal	Peak
11060.00	46.23	54.00	-7.77	1.50	120	25.23	21.00	Horizontal	Average
5470.00	59.64	68.20	-8.56	1.60	240	51.14	8.50	Vertical	Peak
5470.00	47.61	54.00	-6.39	1.60	240	39.11	8.50	Vertical	Average
11060.00	55.09	68.20	-13.11	1.60	240	34.09	21.00	Vertical	Peak
11060.00	46.78	54.00	-7.22	1.60	240	25.78	21.00	Vertical	Average

U-NII-2C_802.11ax-HE80_5610MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5725.00	59.78	68.20	-8.42	1.50	120	50.00	9.78	Horizontal	Peak
5725.00	48.57	54.00	-5.43	1.50	120	38.79	9.78	Horizontal	Average
11220.00	53.98	68.20	-14.22	1.50	120	32.18	21.80	Horizontal	Peak
11220.00	47.20	54.00	-6.80	1.50	120	25.40	21.80	Horizontal	Average
5725.00	58.92	68.20	-9.28	1.60	240	49.14	9.78	Vertical	Peak
5725.00	48.92	54.00	-5.08	1.60	240	39.14	9.78	Vertical	Average
11220.00	53.89	68.20	-14.31	1.60	240	32.09	21.80	Vertical	Peak
11220.00	46.43	54.00	-7.57	1.60	240	24.63	21.80	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11ac-VHT160_5570MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	60.06	68.20	-8.14	1.50	120	51.56	8.50	Horizontal	Peak
5470.00	48.40	54.00	-5.60	1.50	120	39.90	8.50	Horizontal	Average
5725.00	58.49	68.20	-9.71	1.50	120	48.71	9.78	Horizontal	Peak
5725.00	47.08	54.00	-6.92	1.50	120	37.30	9.78	Horizontal	Average
11140.00	54.59	68.20	-13.61	1.50	120	33.09	21.50	Horizontal	Peak
11140.00	46.52	54.00	-7.48	1.50	120	25.02	21.50	Horizontal	Average
5470.00	58.30	68.20	-9.90	1.60	240	49.80	8.50	Vertical	Peak
5470.00	47.00	54.00	-7.00	1.60	240	38.50	8.50	Vertical	Average
5725.00	59.31	68.20	-8.89	1.60	240	49.53	9.78	Vertical	Peak
5725.00	48.49	54.00	-5.51	1.60	240	38.71	9.78	Vertical	Average
11140.00	53.77	68.20	-14.43	1.60	240	32.27	21.50	Vertical	Peak
11140.00	60.16	54.00	6.16	1.60	240	38.66	21.50	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-2C_802.11ax-HE160_5570MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5470.00	59.94	68.20	-8.26	1.50	120	51.44	8.50	Horizontal	Peak
5470.00	48.28	54.00	-5.72	1.50	120	39.78	8.50	Horizontal	Average
5725.00	58.44	68.20	-9.76	1.50	120	48.66	9.78	Horizontal	Peak
5725.00	47.12	54.00	-6.88	1.50	120	37.34	9.78	Horizontal	Average
11140.00	54.32	68.20	-13.88	1.50	120	32.82	21.50	Horizontal	Peak
11140.00	46.40	54.00	-7.60	1.50	120	24.90	21.50	Horizontal	Average
5470.00	58.76	68.20	-9.44	1.60	240	50.26	8.50	Vertical	Peak
5470.00	47.09	54.00	-6.91	1.60	240	38.59	8.50	Vertical	Average
5725.00	59.21	68.20	-8.99	1.60	240	49.43	9.78	Vertical	Peak
5725.00	48.98	54.00	-5.02	1.60	240	39.20	9.78	Vertical	Average
11140.00	53.77	68.20	-14.43	1.60	240	32.27	21.50	Vertical	Peak
11140.00	59.87	54.00	5.87	1.60	240	38.37	21.50	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-3_802.11a_5745MHz - Ant9									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.61	68.20	-8.59	1.50	120	50.15	9.46	Horizontal	Peak
5700.00	61.05	105.20	-44.15	1.50	120	51.46	9.59	Horizontal	Peak
5720.00	59.71	110.80	-51.09	1.50	120	50.07	9.64	Horizontal	Peak
5725.00	59.59	122.20	-62.61	1.50	120	49.94	9.65	Horizontal	Peak
11490.00	54.12	68.20	-14.08	1.50	120	32.42	21.70	Horizontal	Peak
11490.00	44.33	54.00	-9.67	1.50	120	22.63	21.70	Horizontal	Average
5650.00	59.21	68.20	-8.99	1.60	240	49.75	9.46	Vertical	Peak
5700.00	59.10	105.20	-46.10	1.60	240	49.51	9.59	Vertical	Peak
5720.00	58.84	110.80	-51.96	1.60	240	49.20	9.64	Vertical	Peak
5725.00	59.58	122.20	-62.62	1.60	240	49.93	9.65	Vertical	Peak
11490.00	53.38	68.20	-14.82	1.60	240	31.68	21.70	Vertical	Peak
11490.00	44.74	54.00	-9.26	1.60	240	23.04	21.70	Vertical	Average
U-NII-3_802.11a_5825MHz - Ant9									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.23	122.20	-61.97	1.50	120	50.45	9.78	Horizontal	Peak
5855.00	61.39	110.80	-49.41	1.50	120	51.60	9.79	Horizontal	Peak
5875.00	60.45	105.20	-44.75	1.50	120	50.61	9.84	Horizontal	Peak
5925.00	60.75	68.20	-7.45	1.50	120	50.78	9.97	Horizontal	Peak
11650.00	54.61	68.20	-13.59	1.50	120	32.71	21.90	Horizontal	Peak
11650.00	45.37	54.00	-8.63	1.50	120	23.47	21.90	Horizontal	Average
5850.00	60.09	122.20	-62.11	1.60	240	50.31	9.78	Vertical	Peak
5855.00	60.19	110.80	-50.61	1.60	240	50.40	9.79	Vertical	Peak
5875.00	60.27	105.20	-44.93	1.60	240	50.43	9.84	Vertical	Peak
5925.00	60.36	68.20	-7.84	1.60	240	50.39	9.97	Vertical	Peak
11650.00	54.37	68.20	-13.83	1.60	240	32.47	21.90	Vertical	Peak
11650.00	45.71	54.00	-8.29	1.60	240	23.81	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-3_802.11a_5745MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.54	68.20	-8.66	1.50	120	50.08	59.54	Horizontal	Peak
5700.00	61.23	105.20	-43.97	1.50	120	51.64	61.23	Horizontal	Peak
5720.00	59.49	110.80	-51.31	1.50	120	49.85	59.49	Horizontal	Peak
5725.00	60.06	122.20	-62.14	1.50	120	50.41	60.06	Horizontal	Peak
11490.00	53.72	68.20	-14.48	1.50	120	32.02	53.72	Horizontal	Peak
11490.00	44.07	54.00	-9.93	1.50	120	22.37	44.07	Horizontal	Average
5650.00	59.31	68.20	-8.89	1.60	240	49.85	59.31	Vertical	Peak
5700.00	59.45	105.20	-45.75	1.60	240	49.86	59.45	Vertical	Peak
5720.00	58.43	110.80	-52.37	1.60	240	48.79	58.43	Vertical	Peak
5725.00	59.47	122.20	-62.73	1.60	240	49.82	59.47	Vertical	Peak
11490.00	53.11	68.20	-15.09	1.60	240	31.41	53.11	Vertical	Peak
11490.00	44.53	54.00	-9.47	1.60	240	22.83	44.53	Vertical	Average
U-NII-3_802.11a_5825MHz - Ant8									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	59.81	122.20	-62.39	1.50	120	50.03	59.81	Horizontal	Peak
5855.00	61.80	110.80	-49.00	1.50	120	52.01	61.80	Horizontal	Peak
5875.00	60.42	105.20	-44.78	1.50	120	50.58	60.42	Horizontal	Peak
5925.00	60.80	68.20	-7.40	1.50	120	50.83	60.80	Horizontal	Peak
11650.00	54.88	68.20	-13.32	1.50	120	32.98	54.88	Horizontal	Peak
11650.00	45.29	54.00	-8.71	1.50	120	23.39	45.29	Horizontal	Average
5850.00	60.06	122.20	-62.14	1.60	240	50.28	60.06	Vertical	Peak
5855.00	60.06	110.80	-50.74	1.60	240	50.27	60.06	Vertical	Peak
5875.00	60.08	105.20	-45.12	1.60	240	50.24	60.08	Vertical	Peak
5925.00	60.26	68.20	-7.94	1.60	240	50.29	60.26	Vertical	Peak
11650.00	54.53	68.20	-13.67	1.60	240	32.63	54.53	Vertical	Peak
11650.00	46.08	54.00	-7.92	1.60	240	24.18	46.08	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-3_802.11a_5785MHz - Ant9

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.29	68.20	-13.91	1.50	120	32.59	21.70	Horizontal	Peak
11570.00	44.61	54.00	-9.39	1.50	120	22.91	21.70	Horizontal	Average
11570.00	53.87	68.20	-14.33	1.60	240	32.17	21.70	Vertical	Peak
11570.00	45.06	54.00	-8.94	1.60	240	23.36	21.70	Vertical	Average

U-NII-3_802.11a_5785MHz - Ant8

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.54	68.20	-13.66	1.50	120	32.84	21.70	Horizontal	Peak
11570.00	44.74	54.00	-9.26	1.50	120	23.04	21.70	Horizontal	Average
11570.00	54.71	68.20	-13.49	1.60	240	33.01	21.70	Vertical	Peak
11570.00	45.45	54.00	-8.55	1.60	240	23.75	21.70	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

U-NII-3_802.11n-HT20_5745MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.96	68.20	-8.24	1.50	120	50.50	9.46	Horizontal	Peak
5700.00	61.37	105.20	-43.83	1.50	120	51.78	9.59	Horizontal	Peak
5720.00	59.73	110.80	-51.07	1.50	120	50.09	9.64	Horizontal	Peak
5725.00	59.19	122.20	-63.01	1.50	120	49.54	9.65	Horizontal	Peak
11490.00	53.72	68.20	-14.48	1.50	120	32.02	21.70	Horizontal	Peak
11490.00	43.96	54.00	-10.04	1.50	120	22.26	21.70	Horizontal	Average
5650.00	59.02	68.20	-9.18	1.60	240	49.56	9.46	Vertical	Peak
5700.00	59.30	105.20	-45.90	1.60	240	49.71	9.59	Vertical	Peak
5720.00	58.89	110.80	-51.91	1.60	240	49.25	9.64	Vertical	Peak
5725.00	59.81	122.20	-62.39	1.60	240	50.16	9.65	Vertical	Peak
11490.00	53.31	68.20	-14.89	1.60	240	31.61	21.70	Vertical	Peak
11490.00	44.85	54.00	-9.15	1.60	240	23.15	21.70	Vertical	Average
U-NII-3_802.11n-HT20_5825MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.09	122.20	-62.11	1.50	120	50.31	9.78	Horizontal	Peak
5855.00	61.24	110.80	-49.56	1.50	120	51.45	9.79	Horizontal	Peak
5875.00	60.90	105.20	-44.30	1.50	120	51.06	9.84	Horizontal	Peak
5925.00	60.40	68.20	-7.80	1.50	120	50.43	9.97	Horizontal	Peak
11650.00	54.64	68.20	-13.56	1.50	120	32.74	21.90	Horizontal	Peak
11650.00	45.03	54.00	-8.97	1.50	120	23.13	21.90	Horizontal	Average
5850.00	59.83	122.20	-62.37	1.60	240	50.05	9.78	Vertical	Peak
5855.00	59.94	110.80	-50.86	1.60	240	50.15	9.79	Vertical	Peak
5875.00	60.50	105.20	-44.70	1.60	240	50.66	9.84	Vertical	Peak
5925.00	60.42	68.20	-7.78	1.60	240	50.45	9.97	Vertical	Peak
11650.00	53.99	68.20	-14.21	1.60	240	32.09	21.90	Vertical	Peak
11650.00	45.88	54.00	-8.12	1.60	240	23.98	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11ac-VHE20_5745MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.82	68.20	-8.38	1.50	120	50.36	9.46	Horizontal	Peak
5700.00	61.84	105.20	-43.36	1.50	120	52.25	9.59	Horizontal	Peak
5720.00	59.36	110.80	-51.44	1.50	120	49.72	9.64	Horizontal	Peak
5725.00	59.28	122.20	-62.92	1.50	120	49.63	9.65	Horizontal	Peak
11490.00	53.66	68.20	-14.54	1.50	120	31.96	21.70	Horizontal	Peak
11490.00	44.16	54.00	-9.84	1.50	120	22.46	21.70	Horizontal	Average
5650.00	59.13	68.20	-9.07	1.60	240	49.67	9.46	Vertical	Peak
5700.00	59.68	105.20	-45.52	1.60	240	50.09	9.59	Vertical	Peak
5720.00	58.95	110.80	-51.85	1.60	240	49.31	9.64	Vertical	Peak
5725.00	59.85	122.20	-62.35	1.60	240	50.20	9.65	Vertical	Peak
11490.00	53.49	68.20	-14.71	1.60	240	31.79	21.70	Vertical	Peak
11490.00	45.09	54.00	-8.91	1.60	240	23.39	21.70	Vertical	Average
U-NII-3_802.11ac-VHT20_5825MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.36	122.20	-61.84	1.50	120	50.58	9.78	Horizontal	Peak
5855.00	60.73	110.80	-50.07	1.50	120	50.94	9.79	Horizontal	Peak
5875.00	61.63	105.20	-43.57	1.50	120	51.79	9.84	Horizontal	Peak
5925.00	60.66	68.20	-7.54	1.50	120	50.69	9.97	Horizontal	Peak
11650.00	54.34	68.20	-13.86	1.50	120	32.44	21.90	Horizontal	Peak
11650.00	44.36	54.00	-9.64	1.50	120	22.46	21.90	Horizontal	Average
5850.00	60.25	122.20	-61.95	1.60	240	50.47	9.78	Vertical	Peak
5855.00	59.15	110.80	-51.65	1.60	240	49.36	9.79	Vertical	Peak
5875.00	60.39	105.20	-44.81	1.60	240	50.55	9.84	Vertical	Peak
5925.00	60.82	68.20	-7.38	1.60	240	50.85	9.97	Vertical	Peak
11650.00	54.13	68.20	-14.07	1.60	240	32.23	21.90	Vertical	Peak
11650.00	46.18	54.00	-7.82	1.60	240	24.28	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11ax-HE20_5745MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.50	68.20	-8.70	1.50	120	50.04	9.46	Horizontal	Peak
5700.00	61.64	105.20	-43.56	1.50	120	52.05	9.59	Horizontal	Peak
5720.00	59.81	110.80	-50.99	1.50	120	50.17	9.64	Horizontal	Peak
5725.00	59.34	122.20	-62.86	1.50	120	49.69	9.65	Horizontal	Peak
11490.00	53.37	68.20	-14.83	1.50	120	31.67	21.70	Horizontal	Peak
11490.00	44.17	54.00	-9.83	1.50	120	22.47	21.70	Horizontal	Average
5650.00	59.25	68.20	-8.95	1.60	240	49.79	9.46	Vertical	Peak
5700.00	59.24	105.20	-45.96	1.60	240	49.65	9.59	Vertical	Peak
5720.00	58.75	110.80	-52.05	1.60	240	49.11	9.64	Vertical	Peak
5725.00	60.12	122.20	-62.08	1.60	240	50.47	9.65	Vertical	Peak
11490.00	53.10	68.20	-15.10	1.60	240	31.40	21.70	Vertical	Peak
11490.00	44.91	54.00	-9.09	1.60	240	23.21	21.70	Vertical	Average
U-NII-3_802.11ax-HE20_5825MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.26	122.20	-61.94	1.50	120	50.48	9.78	Horizontal	Peak
5855.00	60.88	110.80	-49.92	1.50	120	51.09	9.79	Horizontal	Peak
5875.00	61.98	105.20	-43.22	1.50	120	52.14	9.84	Horizontal	Peak
5925.00	60.60	68.20	-7.60	1.50	120	50.63	9.97	Horizontal	Peak
11650.00	54.20	68.20	-14.00	1.50	120	32.30	21.90	Horizontal	Peak
11650.00	44.12	54.00	-9.88	1.50	120	22.22	21.90	Horizontal	Average
5850.00	60.08	122.20	-62.12	1.60	240	50.30	9.78	Vertical	Peak
5855.00	59.01	110.80	-51.79	1.60	240	49.22	9.79	Vertical	Peak
5875.00	60.67	105.20	-44.53	1.60	240	50.83	9.84	Vertical	Peak
5925.00	60.58	68.20	-7.62	1.60	240	50.61	9.97	Vertical	Peak
11650.00	53.79	68.20	-14.41	1.60	240	31.89	21.90	Vertical	Peak
11650.00	45.34	54.00	-8.66	1.60	240	23.44	21.90	Vertical	Average
Remark: - Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) - Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) - Margin value = Emission Level – Limit value - The emission levels of other frequencies are very lower than the limit and not show in test report. - ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11n-HT20_5785MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.12	68.20	-14.08	1.50	120	32.42	21.70	Horizontal	Peak
11570.00	44.17	54.00	-9.83	1.50	120	22.47	21.70	Horizontal	Average
11570.00	54.02	68.20	-14.18	1.60	240	32.32	21.70	Vertical	Peak
11570.00	44.68	54.00	-9.32	1.60	240	22.98	21.70	Vertical	Average
U-NII-3_802.11ac-VHT20_5785MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.04	68.20	-14.16	1.50	120	32.34	21.70	Horizontal	Peak
11570.00	44.19	54.00	-9.81	1.50	120	22.49	21.70	Horizontal	Average
11570.00	54.39	68.20	-13.81	1.60	240	32.69	21.70	Vertical	Peak
11570.00	45.08	54.00	-8.92	1.60	240	23.38	21.70	Vertical	Average
U-NII-3_802.11ax-HE20_5785MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.22	68.20	-13.98	1.50	120	32.52	21.70	Horizontal	Peak
11570.00	44.18	54.00	-9.82	1.50	120	22.48	21.70	Horizontal	Average
11570.00	54.21	68.20	-13.99	1.60	240	32.51	21.70	Vertical	Peak
11570.00	45.45	54.00	-8.55	1.60	240	23.75	21.70	Vertical	Average
<i>Remark:</i> 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11n-HT40_5755MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	58.67	68.20	-9.53	1.50	120	49.21	9.46	Horizontal	Peak
5700.00	60.76	105.20	-44.44	1.50	120	51.17	9.59	Horizontal	Peak
5720.00	59.48	110.80	-51.32	1.50	120	49.84	9.64	Horizontal	Peak
5725.00	59.17	122.20	-63.03	1.50	120	49.52	9.65	Horizontal	Peak
11510.00	53.22	68.20	-14.98	1.50	120	31.52	21.70	Horizontal	Peak
11510.00	44.72	54.00	-9.28	1.50	120	23.02	21.70	Horizontal	Average
5650.00	58.87	68.20	-9.33	1.60	240	49.41	9.46	Vertical	Peak
5700.00	59.45	105.20	-45.75	1.60	240	49.86	9.59	Vertical	Peak
5720.00	59.96	110.80	-50.84	1.60	240	50.32	9.64	Vertical	Peak
5725.00	60.09	122.20	-62.11	1.60	240	50.44	9.65	Vertical	Peak
11510.00	53.43	68.20	-14.77	1.60	240	31.73	21.70	Vertical	Peak
11510.00	44.98	54.00	-9.02	1.60	240	23.28	21.70	Vertical	Average
U-NII-3_802.11n-HT40_5795MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	59.88	122.20	-62.32	1.50	120	50.10	9.78	Horizontal	Peak
5855.00	61.26	110.80	-49.54	1.50	120	51.47	9.79	Horizontal	Peak
5875.00	61.58	105.20	-43.62	1.50	120	51.74	9.84	Horizontal	Peak
5925.00	60.11	68.20	-8.09	1.50	120	50.14	9.97	Horizontal	Peak
11590.00	54.25	68.20	-13.95	1.50	120	32.35	21.90	Horizontal	Peak
11590.00	44.21	54.00	-9.79	1.50	120	22.31	21.90	Horizontal	Average
5850.00	59.63	122.20	-62.57	1.60	240	49.85	9.78	Vertical	Peak
5855.00	59.47	110.80	-51.33	1.60	240	49.68	9.79	Vertical	Peak
5875.00	60.82	105.20	-44.38	1.60	240	50.98	9.84	Vertical	Peak
5925.00	60.15	68.20	-8.05	1.60	240	50.18	9.97	Vertical	Peak
11590.00	53.78	68.20	-14.42	1.60	240	31.88	21.90	Vertical	Peak
11590.00	45.64	54.00	-8.36	1.60	240	23.74	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11ac-VHT40_5755MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	58.83	68.20	-9.37	1.50	120	49.37	9.46	Horizontal	Peak
5700.00	61.26	105.20	-43.94	1.50	120	51.67	9.59	Horizontal	Peak
5720.00	59.80	110.80	-51.00	1.50	120	50.16	9.64	Horizontal	Peak
5725.00	58.72	122.20	-63.48	1.50	120	49.07	9.65	Horizontal	Peak
11510.00	52.89	68.20	-15.31	1.50	120	31.19	21.70	Horizontal	Peak
11510.00	44.55	54.00	-9.45	1.50	120	22.85	21.70	Horizontal	Average
5650.00	58.74	68.20	-9.46	1.60	240	49.28	9.46	Vertical	Peak
5700.00	59.71	105.20	-45.49	1.60	240	50.12	9.59	Vertical	Peak
5720.00	59.49	110.80	-51.31	1.60	240	49.85	9.64	Vertical	Peak
5725.00	60.35	122.20	-61.85	1.60	240	50.70	9.65	Vertical	Peak
11510.00	53.23	68.20	-14.97	1.60	240	31.53	21.70	Vertical	Peak
11510.00	45.40	54.00	-8.60	1.60	240	23.70	21.70	Vertical	Average

U-NII-3_802.11ac-VHT40_5795MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	59.80	122.20	-62.40	1.50	120	50.02	9.78	Horizontal	Peak
5855.00	61.45	110.80	-49.35	1.50	120	51.66	9.79	Horizontal	Peak
5875.00	61.18	105.20	-44.02	1.50	120	51.34	9.84	Horizontal	Peak
5925.00	60.50	68.20	-7.70	1.50	120	50.53	9.97	Horizontal	Peak
11590.00	54.20	68.20	-14.00	1.50	120	32.30	21.90	Horizontal	Peak
11590.00	44.53	54.00	-9.47	1.50	120	22.63	21.90	Horizontal	Average
5850.00	59.87	122.20	-62.33	1.60	240	50.09	9.78	Vertical	Peak
5855.00	59.70	110.80	-51.10	1.60	240	49.91	9.79	Vertical	Peak
5875.00	60.57	105.20	-44.63	1.60	240	50.73	9.84	Vertical	Peak
5925.00	60.07	68.20	-8.13	1.60	240	50.10	9.97	Vertical	Peak
11590.00	54.14	68.20	-14.06	1.60	240	32.24	21.90	Vertical	Peak
11590.00	45.72	54.00	-8.28	1.60	240	23.82	21.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 9 and ANT 8 is 2*2MIMO.

U-NII-3_802.11ax-HE40_5755MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.06	68.20	-9.14	1.50	120	49.60	9.46	Horizontal	Peak
5700.00	61.31	105.20	-43.89	1.50	120	51.72	9.59	Horizontal	Peak
5720.00	59.83	110.80	-50.97	1.50	120	50.19	9.64	Horizontal	Peak
5725.00	58.86	122.20	-63.34	1.50	120	49.21	9.65	Horizontal	Peak
11510.00	53.12	68.20	-15.08	1.50	120	31.42	21.70	Horizontal	Peak
11510.00	44.46	54.00	-9.54	1.50	120	22.76	21.70	Horizontal	Average
5650.00	58.85	68.20	-9.35	1.60	240	49.39	9.46	Vertical	Peak
5700.00	59.39	105.20	-45.81	1.60	240	49.80	9.59	Vertical	Peak
5720.00	59.00	110.80	-51.80	1.60	240	49.36	9.64	Vertical	Peak
5725.00	60.36	122.20	-61.84	1.60	240	50.71	9.65	Vertical	Peak
11510.00	52.99	68.20	-15.21	1.60	240	31.29	21.70	Vertical	Peak
11510.00	45.16	54.00	-8.84	1.60	240	23.46	21.70	Vertical	Average
U-NII-3_802.11ax-HE40_5795MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.14	122.20	-62.06	1.50	120	50.36	9.78	Horizontal	Peak
5855.00	60.51	110.80	-50.29	1.50	120	50.72	9.79	Horizontal	Peak
5875.00	61.86	105.20	-43.34	1.50	120	52.02	9.84	Horizontal	Peak
5925.00	60.51	68.20	-7.69	1.50	120	50.54	9.97	Horizontal	Peak
11590.00	54.41	68.20	-13.79	1.50	120	32.51	21.90	Horizontal	Peak
11590.00	44.26	54.00	-9.74	1.50	120	22.36	21.90	Horizontal	Average
5850.00	59.95	122.20	-62.25	1.60	240	50.17	9.78	Vertical	Peak
5855.00	58.92	110.80	-51.88	1.60	240	49.13	9.79	Vertical	Peak
5875.00	60.45	105.20	-44.75	1.60	240	50.61	9.84	Vertical	Peak
5925.00	60.48	68.20	-7.72	1.60	240	50.51	9.97	Vertical	Peak
11590.00	53.64	68.20	-14.56	1.60	240	31.74	21.90	Vertical	Peak
11590.00	45.71	54.00	-8.29	1.60	240	23.81	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11ac-VHT80_5775MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.26	68.20	-8.94	1.50	120	49.80	9.46	Horizontal	Peak
5700.00	61.42	105.20	-43.78	1.50	120	51.83	9.59	Horizontal	Peak
5720.00	59.55	110.80	-51.25	1.50	120	49.91	9.64	Horizontal	Peak
5725.00	58.96	122.20	-63.24	1.50	120	49.31	9.65	Horizontal	Peak
5850.00	59.79	122.20	-62.41	1.50	120	50.01	9.78	Horizontal	Peak
5855.00	61.25	110.80	-49.55	1.50	120	51.46	9.79	Horizontal	Peak
5875.00	60.83	105.20	-44.37	1.50	120	50.99	9.84	Horizontal	Peak
5925.00	60.70	68.20	-7.50	1.50	120	50.73	9.97	Horizontal	Peak
11550.00	53.26	68.20	-14.94	1.50	120	31.46	21.80	Horizontal	Peak
11550.00	44.67	54.00	-9.33	1.50	120	22.87	21.80	Horizontal	Average
5650.00	58.50	68.20	-9.70	1.60	240	49.04	9.46	Vertical	Peak
5700.00	59.37	105.20	-45.83	1.60	240	49.78	9.59	Vertical	Peak
5720.00	59.23	110.80	-51.57	1.60	240	49.59	9.64	Vertical	Peak
5725.00	60.10	122.20	-62.10	1.60	240	50.45	9.65	Vertical	Peak
5850.00	60.01	122.20	-62.19	1.60	240	50.23	9.78	Vertical	Peak
5855.00	59.99	110.80	-50.81	1.60	240	50.20	9.79	Vertical	Peak
5875.00	60.40	105.20	-44.80	1.60	240	50.56	9.84	Vertical	Peak
5925.00	59.81	68.20	-8.39	1.60	240	49.84	9.97	Vertical	Peak
11550.00	54.51	68.20	-13.69	1.60	240	32.71	21.80	Vertical	Peak
11550.00	45.69	54.00	-8.31	1.60	240	23.89	21.80	Vertical	Average
Remark: - Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) - Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) - Margin value = Emission Level – Limit value - The emission levels of other frequencies are very lower than the limit and not show in test report. - ANT 9 and ANT 8 is 2*2MIMO.									

U-NII-3_802.11ax-HE80_5775MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.20	68.20	-9.00	1.50	120	49.74	9.46	Horizontal	Peak
5700.00	61.09	105.20	-44.11	1.50	120	51.50	9.59	Horizontal	Peak
5720.00	59.07	110.80	-51.73	1.50	120	49.43	9.64	Horizontal	Peak
5725.00	59.02	122.20	-63.18	1.50	120	49.37	9.65	Horizontal	Peak
5850.00	59.48	122.20	-62.72	1.50	120	49.70	9.78	Horizontal	Peak
5855.00	61.72	110.80	-49.08	1.50	120	51.93	9.79	Horizontal	Peak
5875.00	61.23	105.20	-43.97	1.50	120	51.39	9.84	Horizontal	Peak
5925.00	60.25	68.20	-7.95	1.50	120	50.28	9.97	Horizontal	Peak
11550.00	53.31	68.20	-14.89	1.50	120	31.51	21.80	Horizontal	Peak
11550.00	44.53	54.00	-9.47	1.50	120	22.73	21.80	Horizontal	Average
5650.00	58.63	68.20	-9.57	1.60	240	49.17	9.46	Vertical	Peak
5700.00	59.31	105.20	-45.89	1.60	240	49.72	9.59	Vertical	Peak
5720.00	59.51	110.80	-51.29	1.60	240	49.87	9.64	Vertical	Peak
5725.00	59.62	122.20	-62.58	1.60	240	49.97	9.65	Vertical	Peak
5850.00	59.58	122.20	-62.62	1.60	240	49.80	9.78	Vertical	Peak
5855.00	59.67	110.80	-51.13	1.60	240	49.88	9.79	Vertical	Peak
5875.00	60.53	105.20	-44.67	1.60	240	50.69	9.84	Vertical	Peak
5925.00	59.35	68.20	-8.85	1.60	240	49.38	9.97	Vertical	Peak
11550.00	54.59	68.20	-13.61	1.60	240	32.79	21.80	Vertical	Peak
11550.00	45.66	54.00	-8.34	1.60	240	23.86	21.80	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 9 and ANT 8 is 2*2MIMO.									

2.7.4. Test Procedures

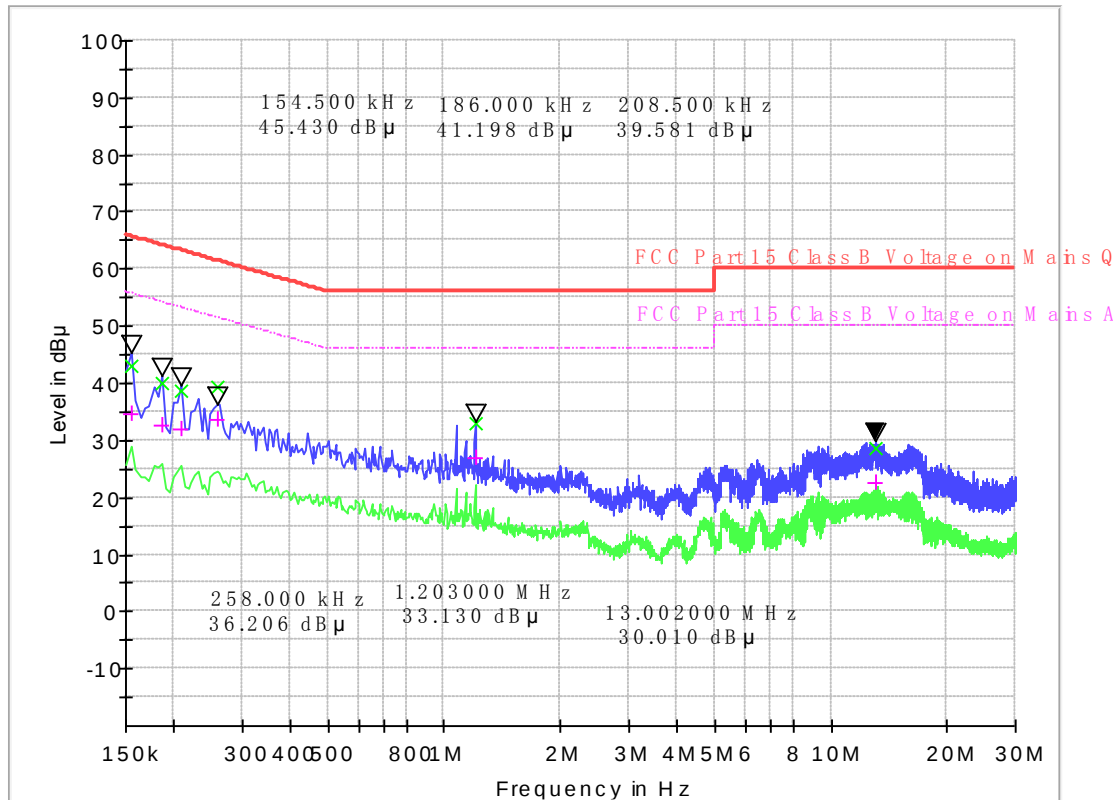
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

2.7.5. Test Result of AC Power Line Conducted Emission

NOTE 1: The EUT configuration of the emission tests is 5G WLAN Link + USB Cable (Charging from Adapter).

NOTE 2: All of the EUT Configure mode were tested and found 802.11a 5180MHz channel is the worst mode, the worst case is recorded in this report.

Line Phase



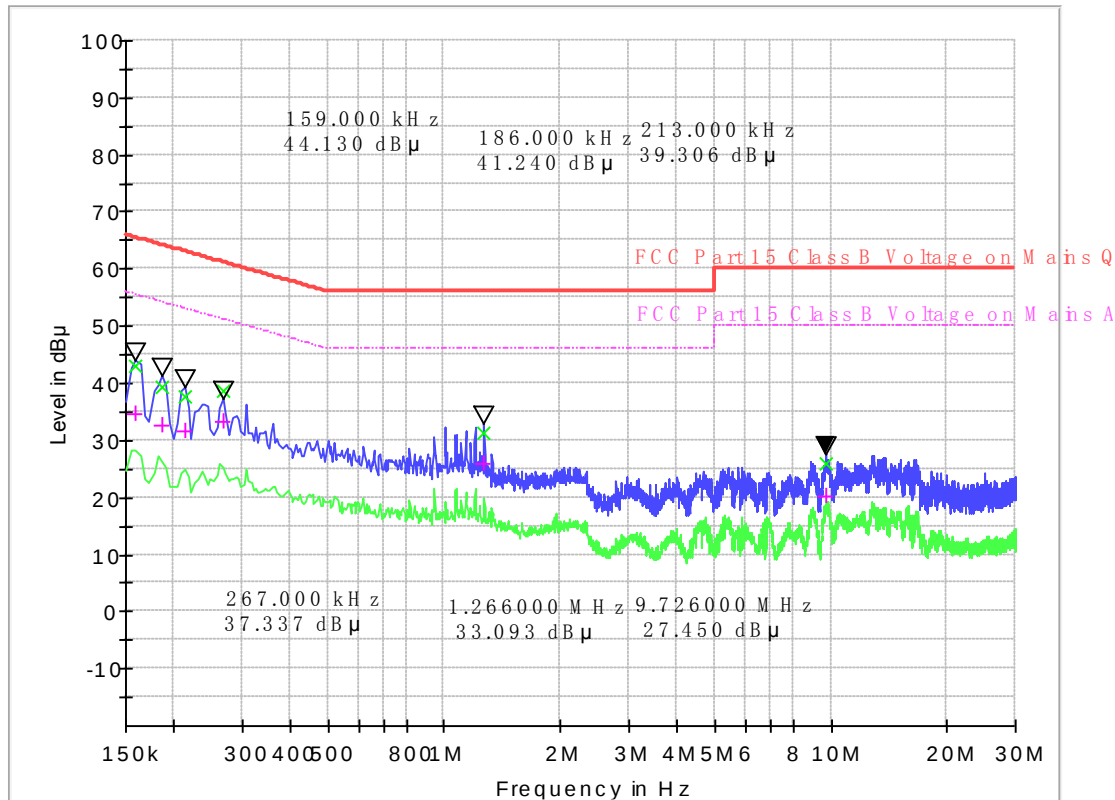
Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Cabel Loss (dB)	Corr.Factor (dB)	Margin - QPK (dB)	Limit - QPK (dB μ V)	Margin - AV (dB)	Limit - AV (dB μ V)
0.154500	42.95	34.80	0.2	10.2	22.80	65.8	20.95	55.8
0.186000	39.97	32.74	0.2	10.2	24.24	64.2	21.47	54.2
0.208500	38.52	32.01	0.2	10.2	24.74	63.3	21.25	53.3
0.258000	39.31	33.55	0.2	10.2	22.19	61.5	17.95	51.5
1.203000	32.81	26.78	0.2	10.2	23.19	56.0	19.22	46.0
13.002000	28.49	22.55	0.5	10.5	31.51	60.0	27.45	50.0

Test Result : Pass

Remark:

1. Correction factor = Cabel loss+ attenuation factor.
2. attenuation factor = 10dB.

Neutral Phase



Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Cabel Loss (dB)	Corr.Factor (dB)	Margin - QPK (dB)	Limit - QPK (dB μ V)	Margin - AV (dB)	Limit - AV (dB μ V)
0.159000	42.99	34.61	0.2	10.2	22.53	65.5	20.91	55.5
0.186000	39.22	32.67	0.2	10.2	24.99	64.2	21.54	54.2
0.213000	37.71	31.58	0.2	10.2	25.38	63.1	21.51	53.1
0.267000	38.75	33.16	0.2	10.2	22.46	61.2	18.05	51.2
1.266000	31.41	26.03	0.2	10.2	24.59	56.0	19.97	46.0
9.726000	26.06	20.14	0.5	10.5	33.94	60.0	29.86	50.0

Test Result : Pass

Remark:

1. Correction factor = Cabel loss+ attenuation factor.
2. attenuation factor = 10dB.

3. List of measuring equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Receiver	ROHDE&SCHWARZ	ESW26	A180502935	2021.08.03	2022.08.02
2	5M Anechoic Chamber	Albatross	SAC-5MAC 12.8x6.8x6.4m	A0304210	2019.03.25	2023.03.24
3	Loop Antenna	Schwarz beck	HFH2-Z2	A0304220	2022.05.02	2025.05.01
4	Broadband antenna (30MHz~1GHz)	R&S	HL562	A0304224	2020.06.19	2023.06.18
5	EMI Horn Ant. (1-18G)	ETC	1209	A150402241	2021.01.02	2024.01.01
6	Horn antenna (18GHz~26.5GHz)	AR	AT4510	A0804450	2020.06.19	2023.06.18
7	Amplifier 30M~1GHz	MILMEGA	80RF1000-10004	A140101634	2020.09.22	2023.09.21
8	Amplifier 1G~18GHz	MILMEGA	AS0104R-800/400	A160302517	2021.12.23	2022.12.22
9	Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2022.03.25	2023.03.24
10	Test Receiver	R&S	ESIB7	A0501375	2022.04.18	2023.04.17
11	Broadband Ant.	2786	ETC	A150402240	2021.09.16	2024.03.03
12	3M Anechoic Chamber	Albatross	SAC-3MAC 9*6*6m	A0412375	2019.03.26	2023.03.25
13	Temperature chamber	TABAI	PS-232	A8708054	2021.09.24	2022.09.23
14	Wideband Radio Communication tester	R&S	CMW500	A130101034	2021.01.26	2023.01.25
15	Test Receiver	KEYSIGHT	N9038A	A141202036	2021.09.20	2022.08.04
16	LISN	ROHDE&SCHWARZ	ENV216	A140701847	2021.09.21	2022.08.02
17	Cable	MATCHING PAD	W7	/	2021.08.01	2022.08.02

4. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence . The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of AC Power Line Conducted Emission Measurement (150kHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	2.8dB
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Uncertainty of Radiated Emission Measurement (9kHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.5dB
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Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.91dB
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Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.5dB
--	-------

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

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.9dB
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Uncertainty of RF Conducted Measurement (9kHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	1.2dB
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Appendix A

Output power Test Result and Data

U-NII-1 AVGSA Output Power								
Mode	Frequency (MHz)	Ant	Power (dBm)	Total Power (dBm)	Total EIRP (dBm)	FCC Limit (dBm)	IC EIRP Limit (dBm)	Result
802.11n (20MHz)	5180	Ant9	11.04	13.77	14.68	24	22.46	Pass
802.11n (20MHz)	5180	Ant8	10.47					
802.11n (20MHz)	5220	Ant9	10.69	13.61	14.52	24	22.46	Pass
802.11n (20MHz)	5220	Ant8	10.50					
802.11n (20MHz)	5240	Ant9	10.63	13.60	14.51	24	22.46	Pass
802.11n (20MHz)	5240	Ant8	10.55					
802.11n (40MHz)	5190	Ant9	10.69	13.78	14.69	24	23.00	Pass
802.11n (40MHz)	5190	Ant8	10.85					
802.11n (40MHz)	5230	Ant9	10.52	13.69	14.60	24	23.00	Pass
802.11n (40MHz)	5230	Ant8	10.84					
802.11ac (20MHz)	5180	Ant9	11.01	13.78	14.69	24	22.46	Pass
802.11ac (20MHz)	5180	Ant8	10.52					
802.11ac (20MHz)	5220	Ant9	10.54	13.54	14.45	24	22.46	Pass
802.11ac (20MHz)	5220	Ant8	10.52					
802.11ac (20MHz)	5240	Ant9	10.44	13.48	14.39	24	22.46	Pass
802.11ac (20MHz)	5240	Ant8	10.50					
802.11ac (40MHz)	5190	Ant9	11.38	14.30	15.21	24	23.00	Pass
802.11ac (40MHz)	5190	Ant8	11.20					
802.11ac (40MHz)	5230	Ant9	11.11	14.02	14.93	24	23.00	Pass
802.11ac (40MHz)	5230	Ant8	10.91					
802.11ac (80MHz)	5210	Ant9	10.79	13.77	14.68	24	23.00	Pass
802.11ac (80MHz)	5210	Ant8	10.73					
802.11a (20MHz)	5180	Ant9	14.25	/	12.75	24	22.17	Pass
802.11a (20MHz)	5180	Ant8	14.02	/	11.22	24	22.15	Pass
802.11a (20MHz)	5220	Ant9	13.63	/	12.13	24	22.16	Pass
802.11a (20MHz)	5220	Ant8	13.97	/	11.17	24	22.16	Pass
802.11a (20MHz)	5240	Ant9	13.71	/	12.21	24	22.16	Pass
802.11a (20MHz)	5240	Ant8	14.02	/	11.22	24	22.16	Pass



802.11ax (20MHz)	5180	Ant9	11.17	13.90	14.81	24	22.78	Pass
802.11ax (20MHz)	5180	Ant8	10.58					
802.11ax (20MHz)	5220	Ant9	10.57	13.63	14.54	24	22.77	Pass
802.11ax (20MHz)	5220	Ant8	10.66					
802.11ax (20MHz)	5240	Ant9	10.42	13.48	14.39	24	22.78	Pass
802.11ax (20MHz)	5240	Ant8	10.51					
802.11ax (40MHz)	5190	Ant9	11.42	14.21	15.12	24	23.00	Pass
802.11ax (40MHz)	5190	Ant8	10.96					
802.11ax (40MHz)	5230	Ant9	10.78	13.72	14.63	24	23.00	Pass
802.11ax (40MHz)	5230	Ant8	10.64					
802.11ax (80MHz)	5210	Ant9	11.05	13.94	14.85	24	23.00	Pass
802.11ax (80MHz)	5210	Ant8	10.80					

Note:

1) ANT9 and ANT8 is 2*2MIMO.

2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.

3) Directional Gain: 0.91dBi.

4) Total Power = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.

5) Total EIRP = Total Power + Directional Gain.



U-NII-2a AVGSA Output Power									
Mode	Frequency (MHz)	Ant	Power (dBm)	Total Power (dBm)	Total EIRP (dBm)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Result
802.11n (20MHz)	5260	Ant9	9.85	13.19	14.10	24.00	23.46	29.46	Pass
802.11n (20MHz)	5260	Ant8	10.48						
802.11n (20MHz)	5300	Ant9	9.30	12.78	13.69	24.00	23.46	29.46	Pass
802.11n (20MHz)	5300	Ant8	10.20						
802.11n (20MHz)	5320	Ant9	9.42	12.66	13.57	24.00	23.46	29.46	Pass
802.11n (20MHz)	5320	Ant8	9.87						
802.11n (40MHz)	5270	Ant9	10.46	13.67	14.58	24.00	24.00	30.00	Pass
802.11n (40MHz)	5270	Ant8	10.85						
802.11n (40MHz)	5310	Ant9	8.66	12.64	13.55	24.00	24.00	30.00	Pass
802.11n (40MHz)	5310	Ant8	10.42						
802.11ac (20MHz)	5260	Ant9	9.65	13.04	13.95	24.00	23.47	29.47	Pass
802.11ac (20MHz)	5260	Ant8	10.38						
802.11ac (20MHz)	5300	Ant9	9.34	12.74	13.65	24.00	23.46	29.46	Pass
802.11ac (20MHz)	5300	Ant8	10.09						
802.11ac (20MHz)	5320	Ant9	9.52	12.66	13.57	24.00	23.46	29.46	Pass
802.11ac (20MHz)	5320	Ant8	9.78						
802.11ac (40MHz)	5270	Ant9	10.55	13.65	14.56	24.00	24.00	30.00	Pass
802.11ac (40MHz)	5270	Ant8	10.73						
802.11ac (40MHz)	5310	Ant9	8.57	12.54	13.45	24.00	24.00	30.00	Pass
802.11ac (40MHz)	5310	Ant8	10.31						
802.11ac (80MHz)	5290	Ant9	10.36	13.37	14.28	24.00	24.00	30.00	Pass
802.11ac (80MHz)	5290	Ant8	10.36						
802.11ac (160MHz)	5250	Ant9	10.78	13.65	14.56	24.00	24.00	30.00	Pass
802.11ac (160MHz)	5250	Ant8	10.49						
802.11a (20MHz)	5260	Ant9	14.06	/	12.56	23.89	23.16	29.16	Pass
802.11a (20MHz)	5260	Ant8	13.93	/	11.13	23.89	23.16	29.16	Pass
802.11a (20MHz)	5300	Ant9	13.68	/	12.18	23.89	23.16	29.16	Pass
802.11a (20MHz)	5300	Ant8	13.56	/	10.76	23.87	23.16	29.16	Pass
802.11a (20MHz)	5320	Ant9	13.97	/	12.47	23.89	23.17	29.17	Pass
802.11a (20MHz)	5320	Ant8	13.43	/	10.63	23.88	23.16	29.16	Pass



802.11ax (160MHz)	5250	Ant9	10.58	13.60	14.51	24.00	24.00	30.00	Pass
802.11ax (160MHz)	5250	Ant8	10.60						
802.11ax (20MHz)	5260	Ant9	9.70	13.13	14.04	24.00	23.77	29.77	Pass
802.11ax (20MHz)	5260	Ant8	10.51						
802.11ax (20MHz)	5300	Ant9	9.43	12.83	13.74	24.00	23.78	29.78	Pass
802.11ax (20MHz)	5300	Ant8	10.17						
802.11ax (20MHz)	5320	Ant9	9.57	12.72	13.63	24.00	23.77	29.77	Pass
802.11ax (20MHz)	5320	Ant8	9.85						
802.11ax (40MHz)	5270	Ant9	10.42	13.56	14.47	24.00	24.00	30.00	Pass
802.11ax (40MHz)	5270	Ant8	10.68						
802.11ax (40MHz)	5310	Ant9	8.44	12.48	13.39	24.00	24.00	30.00	Pass
802.11ax (40MHz)	5310	Ant8	10.30						
802.11ax (80MHz)	5290	Ant9	10.43	13.46	14.37	24.00	24.00	30.00	Pass
802.11ax (80MHz)	5290	Ant8	10.47						

Note:

- 1) ANT9 and ANT8 is 2*2MIMO.
- 2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.
- 3) Directional Gain: 0.91dBi.
- 4) Total Power = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.
- 5) Total EIRP = Total Power + Directional Gain.



U-NII-2c AVGSA Output Power									
Mode	Frequency (MHz)	Ant	Power (dBm)	Total Power (dBm)	Total EIRP (dBm)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Result
802.11n (20MHz)	5500	Ant9	9.97	13.11	14.02	24.00	23.46	29.46	Pass
802.11n (20MHz)	5500	Ant8	10.23						
802.11n (20MHz)	5600	Ant9	10.33	13.54	14.45	24.00	23.46	29.46	Pass
802.11n (20MHz)	5600	Ant8	10.72						
802.11n (20MHz)	5700	Ant9	11.09	14.01	14.92	24.00	23.46	29.46	Pass
802.11n (20MHz)	5700	Ant8	10.91						
802.11n (40MHz)	5510	Ant9	10.21	13.26	14.17	24.00	24.00	30.00	Pass
802.11n (40MHz)	5510	Ant8	10.29						
802.11n (40MHz)	5590	Ant9	10.76	13.94	14.85	24.00	24.00	30.00	Pass
802.11n (40MHz)	5590	Ant8	11.09						
802.11n (40MHz)	5670	Ant9	11.33	14.42	15.33	24.00	24.00	30.00	Pass
802.11n (40MHz)	5670	Ant8	11.49						
802.11ac (20MHz)	5500	Ant9	10.03	13.15	14.06	24.00	23.46	29.46	Pass
802.11ac (20MHz)	5500	Ant8	10.24						
802.11ac (20MHz)	5600	Ant9	10.31	13.52	14.43	24.00	23.46	29.46	Pass
802.11ac (20MHz)	5600	Ant8	10.70						
802.11ac (20MHz)	5700	Ant9	11.14	14.03	14.94	24.00	23.46	29.46	Pass
802.11ac (20MHz)	5700	Ant8	10.90						
802.11ac (40MHz)	5510	Ant9	10.27	13.27	14.18	24.00	24.00	30.00	Pass
802.11ac (40MHz)	5510	Ant8	10.25						
802.11ac (40MHz)	5590	Ant9	10.81	13.93	14.84	24.00	24.00	30.00	Pass
802.11ac (40MHz)	5590	Ant8	11.03						
802.11ac (40MHz)	5670	Ant9	11.32	14.36	15.27	24.00	24.00	30.00	Pass
802.11ac (40MHz)	5670	Ant8	11.37						
802.11ac (80MHz)	5530	Ant9	10.47	13.49	14.40	24.00	24.00	30.00	Pass
802.11ac (80MHz)	5530	Ant8	10.48						
802.11ac (80MHz)	5610	Ant9	10.76	13.93	14.84	24.00	24.00	30.00	Pass
802.11ac (80MHz)	5610	Ant8	11.08						
802.11ac (160MHz)	5570	Ant9	10.86	13.89	14.80	24.00	24.00	30.00	Pass
802.11ac (160MHz)	5570	Ant8	10.89						



802.11a (20MHz)	5500	Ant9	13.61	/	12.11	23.84	23.16	29.16	Pass
802.11a (20MHz)	5500	Ant8	14.06	/	11.26	23.90	23.16	29.16	Pass
802.11a (20MHz)	5600	Ant9	14.05	/	12.55	23.90	23.17	29.17	Pass
802.11a (20MHz)	5600	Ant8	14.31	/	11.51	23.86	23.16	29.16	Pass
802.11a (20MHz)	5700	Ant9	14.15	/	12.65	23.87	23.16	29.16	Pass
802.11a (20MHz)	5700	Ant8	14.55	/	11.75	23.92	23.15	29.15	Pass
802.11ax (160MHz)	5570	Ant9	10.87	13.93	14.84	24.00	24.00	30.00	Pass
802.11ax (160MHz)	5570	Ant8	10.97						
802.11ax (20MHz)	5500	Ant9	10.10	13.25	14.16	24.00	23.78	29.78	Pass
802.11ax (20MHz)	5500	Ant8	10.38						
802.11ax (20MHz)	5600	Ant9	10.51	13.74	14.65	24.00	23.77	29.77	Pass
802.11ax (20MHz)	5600	Ant8	10.93						
802.11ax (20MHz)	5700	Ant9	10.74	13.94	14.85	24.00	23.77	29.77	Pass
802.11ax (20MHz)	5700	Ant8	11.12						
802.11ax (40MHz)	5510	Ant9	9.84	13.07	13.98	24.00	24.00	30.00	Pass
802.11ax (40MHz)	5510	Ant8	10.26						
802.11ax (40MHz)	5590	Ant9	10.61	13.84	14.75	24.00	24.00	30.00	Pass
802.11ax (40MHz)	5590	Ant8	11.03						
802.11ax (40MHz)	5670	Ant9	11.11	14.25	15.16	24.00	24.00	30.00	Pass
802.11ax (40MHz)	5670	Ant8	11.36						
802.11ax (80MHz)	5530	Ant9	10.57	13.61	14.52	24.00	24.00	30.00	Pass
802.11ax (80MHz)	5530	Ant8	10.62						
802.11ax (80MHz)	5610	Ant9	10.89	14.05	14.96	24.00	24.00	30.00	Pass
802.11ax (80MHz)	5610	Ant8	11.19						

Note:

- 1) ANT9 and ANT8 is 2*2MIMO.
- 2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.
- 3) Directional Gain: 0.91dBi.
- 4) Total Power = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.
- 5) Total EIRP = Total Power + Directional Gain.



U-NII-3 AVGSA Output Power						
Mode	Frequency (MHz)	Ant	Max Power (dBm)	Total Power (dBm)	FCC&IC Limit (dBm)	Result
802.11n (20MHz)	5745	Ant9	10.94	13.88	30.00	Pass
802.11n (20MHz)	5745	Ant8	10.79			
802.11n (20MHz)	5785	Ant9	10.77	13.79	30.00	Pass
802.11n (20MHz)	5785	Ant8	10.78			
802.11n (20MHz)	5825	Ant9	10.99	13.86	30.00	Pass
802.11n (20MHz)	5825	Ant8	10.70			
802.11n (40MHz)	5755	Ant9	11.29	14.31	30.00	Pass
802.11n (40MHz)	5755	Ant8	11.31			
802.11n (40MHz)	5795	Ant9	9.83	13.65	30.00	Pass
802.11n (40MHz)	5795	Ant8	11.32			
802.11ac (20MHz)	5745	Ant9	11.13	13.99	30.00	Pass
802.11ac (20MHz)	5745	Ant8	10.82			
802.11ac (20MHz)	5785	Ant9	10.84	13.82	30.00	Pass
802.11ac (20MHz)	5785	Ant8	10.78			
802.11ac (20MHz)	5825	Ant9	10.72	13.73	30.00	Pass
802.11ac (20MHz)	5825	Ant8	10.72			
802.11ac (40MHz)	5755	Ant9	11.35	14.38	30.00	Pass
802.11ac (40MHz)	5755	Ant8	11.38			
802.11ac (40MHz)	5795	Ant9	10.24	13.81	30.00	Pass
802.11ac (40MHz)	5795	Ant8	11.29			
802.11ac (80MHz)	5775	Ant9	9.77	13.56	30.00	Pass
802.11ac (80MHz)	5775	Ant8	11.21			
802.11a (20MHz)	5745	Ant9	14.46	/	30.00	Pass
802.11a (20MHz)	5745	Ant8	14.51	/	30.00	Pass
802.11a (20MHz)	5785	Ant9	14.16	/	30.00	Pass
802.11a (20MHz)	5785	Ant8	14.44	/	30.00	Pass
802.11a (20MHz)	5825	Ant9	14.23	/	30.00	Pass
802.11a (20MHz)	5825	Ant8	14.16	/	30.00	Pass
802.11ax (20MHz)	5745	Ant9	11.13	14.01	30.00	Pass
802.11ax (20MHz)	5745	Ant8	10.87			
802.11ax (20MHz)	5785	Ant9	10.81	13.83	30.00	Pass
802.11ax (20MHz)	5785	Ant8	10.83			



802.11ax (20MHz)	5825	Ant9	10.71	13.74	30.00	Pass
802.11ax (20MHz)	5825	Ant8	10.74			
802.11ax (40MHz)	5755	Ant9	11.53	14.40	30.00	Pass
802.11ax (40MHz)	5755	Ant8	11.24			
802.11ax (40MHz)	5795	Ant9	10.20	13.72	30.00	Pass
802.11ax (40MHz)	5795	Ant8	11.17			
802.11ax (80MHz)	5775	Ant9	10.17	13.81	30.00	Pass
802.11ax (80MHz)	5775	Ant8	11.35			

Note:

1) ANT9 and ANT8 is 2*2MIMO.

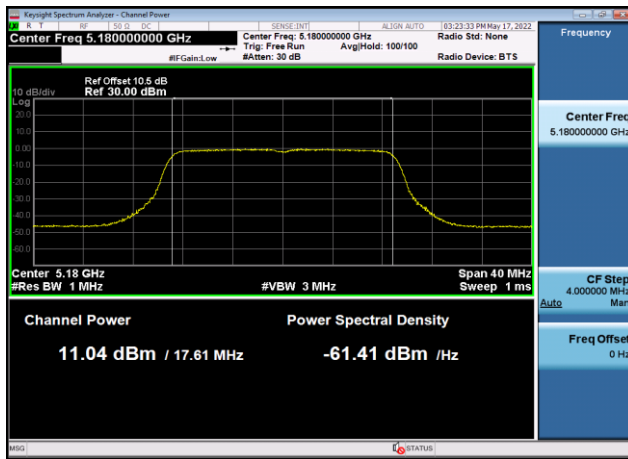
2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.

3) Directional Gain: 0.91dBi.

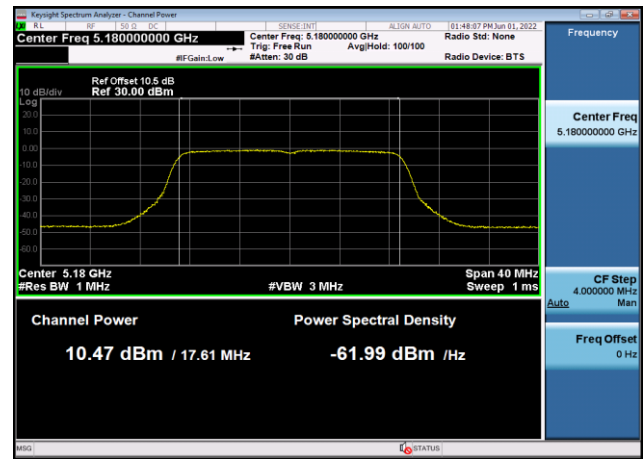
4) Total Power = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.

Test plots

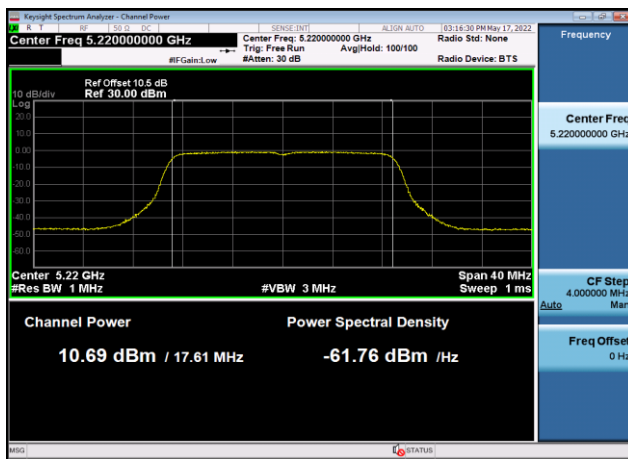
U-NII-1 Output Power-802.11n(20MHz)
,5180MHz,Ant9



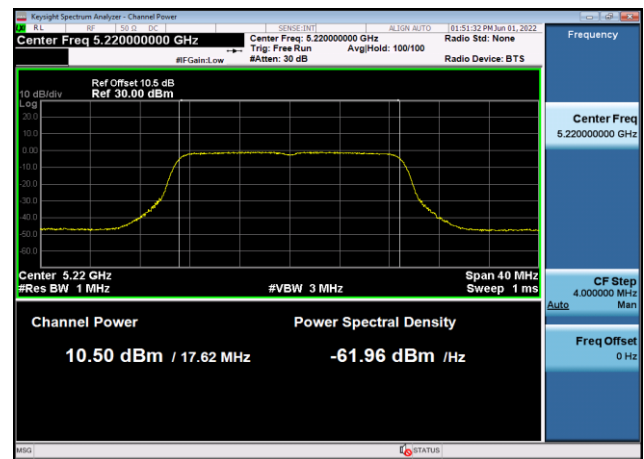
U-NII-1 Output Power-802.11n(20MHz)
,5180MHz,Ant8



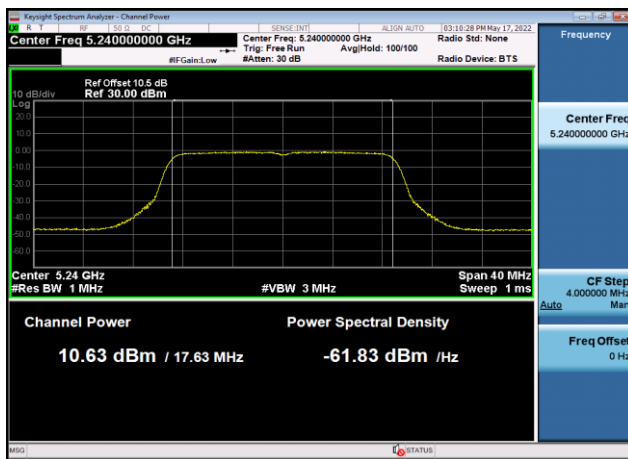
U-NII-1 Output Power-802.11n(20MHz)
,5220MHz,Ant9



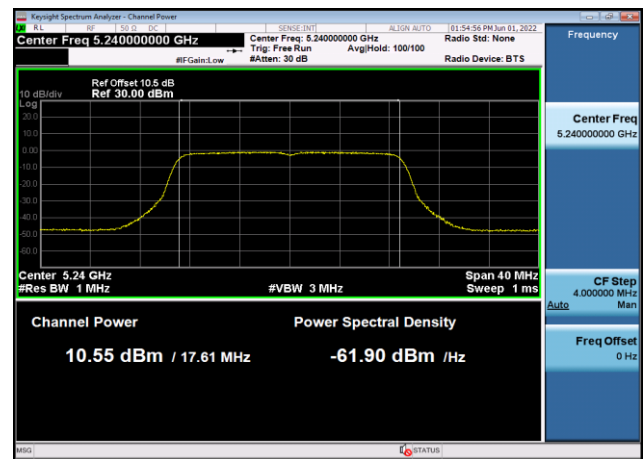
U-NII-1 Output Power-802.11n(20MHz)
,5220MHz,Ant8



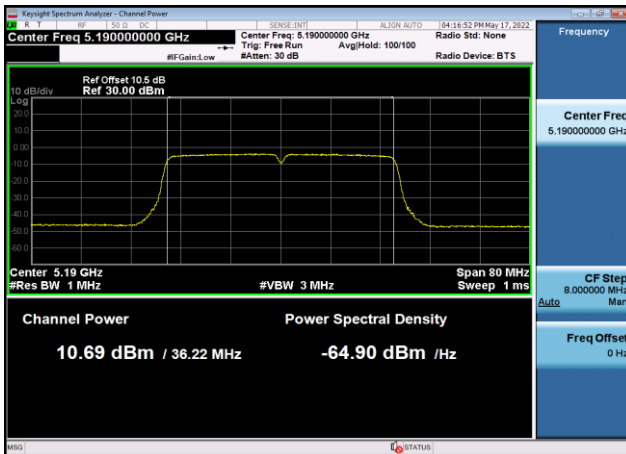
U-NII-1 Output Power-802.11n(20MHz)
,5240MHz,Ant9



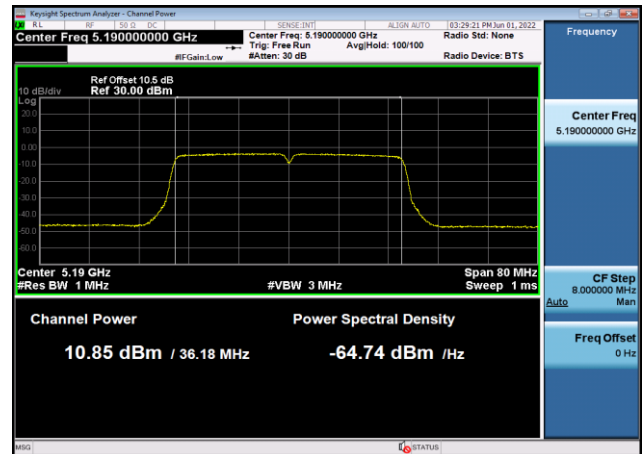
U-NII-1 Output Power-802.11n(20MHz)
,5240MHz,Ant8



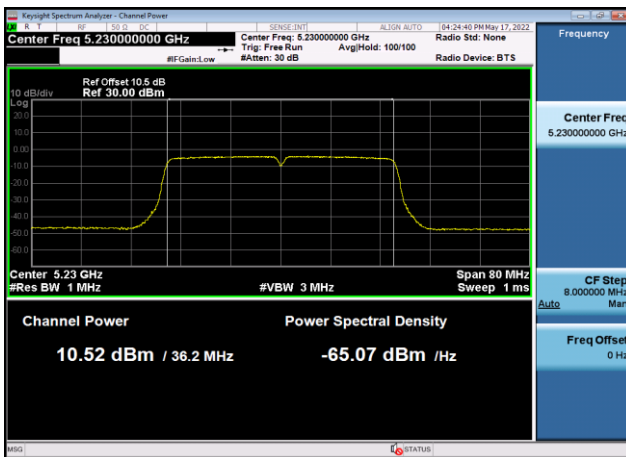
U-NII-1 Output Power-802.11n(40MHz)
,5190MHz,Ant9



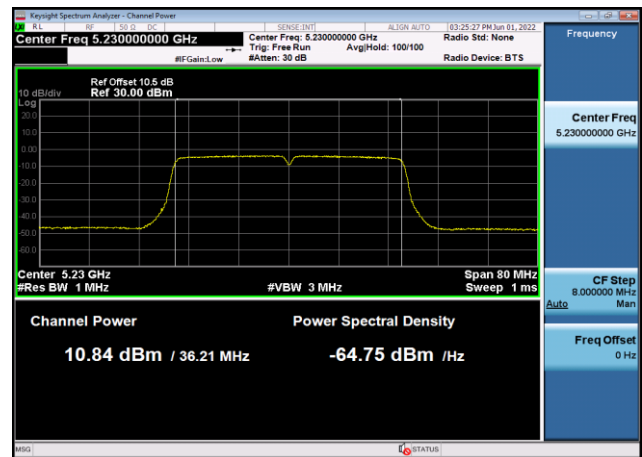
U-NII-1 Output Power-802.11n(40MHz)
,5190MHz,Ant8



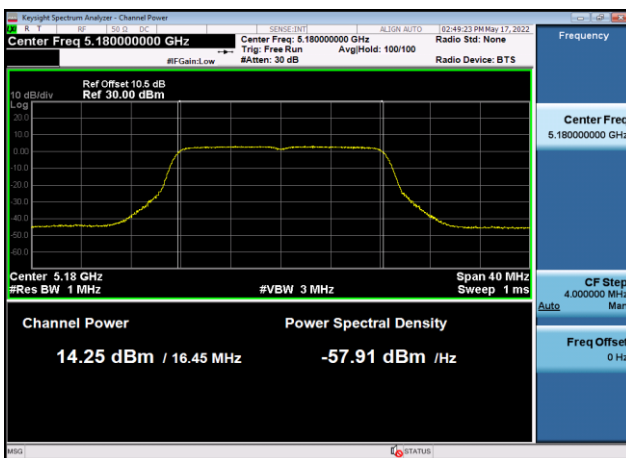
U-NII-1 Output Power-802.11n(40MHz)
,5230MHz,Ant9



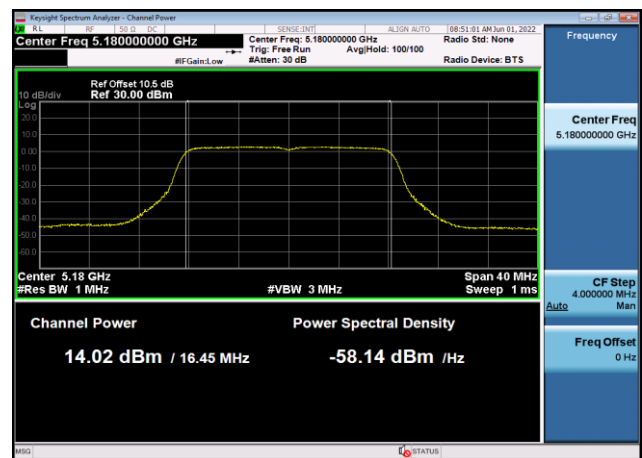
U-NII-1 Output Power-802.11n(40MHz)
,5230MHz,Ant8



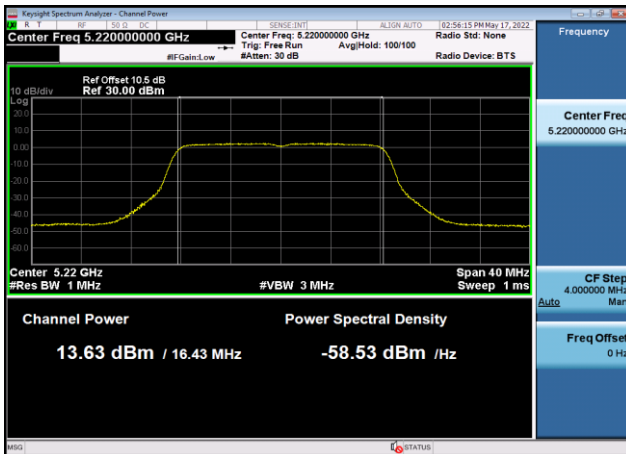
U-NII-1 Output Power-802.11a(20MHz)
,5180MHz,Ant9



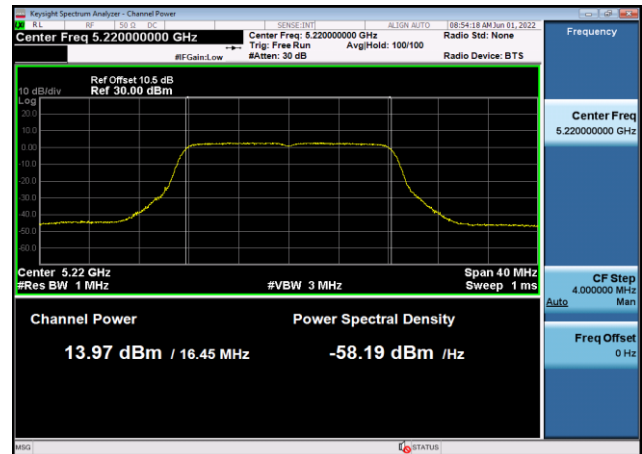
U-NII-1 Output Power-802.11a(20MHz)
,5180MHz,Ant8



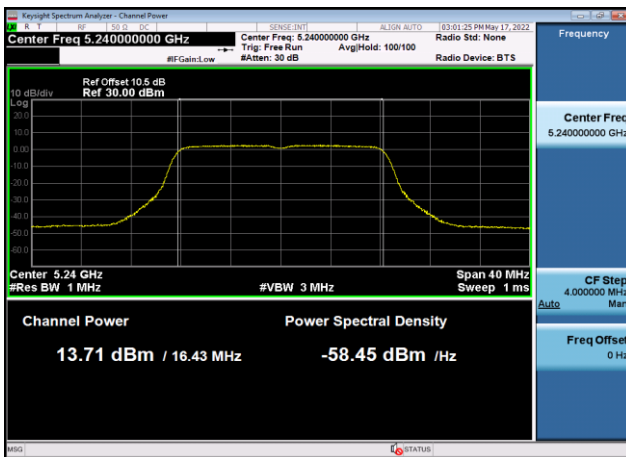
U-NII-1 Output Power-802.11a(20MHz)
,5220MHz,Ant9



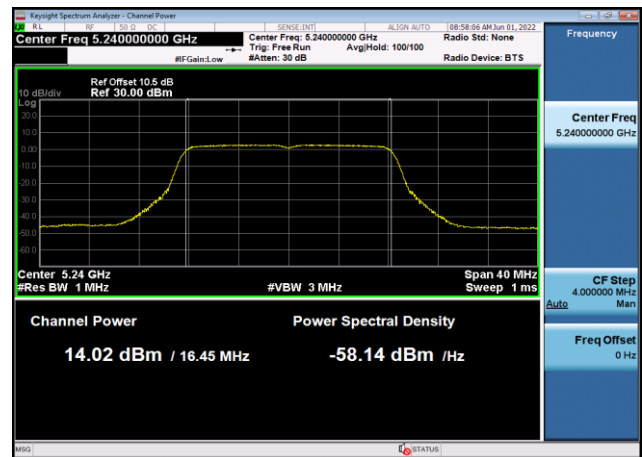
U-NII-1 Output Power-802.11a(20MHz)
,5220MHz,Ant8



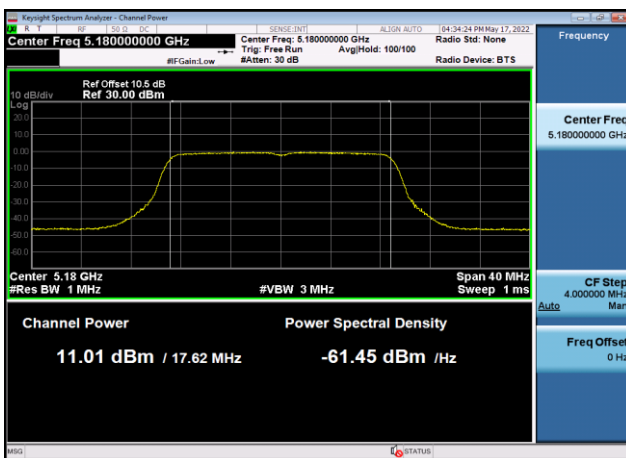
U-NII-1 Output Power-802.11a(20MHz)
,5240MHz,Ant9



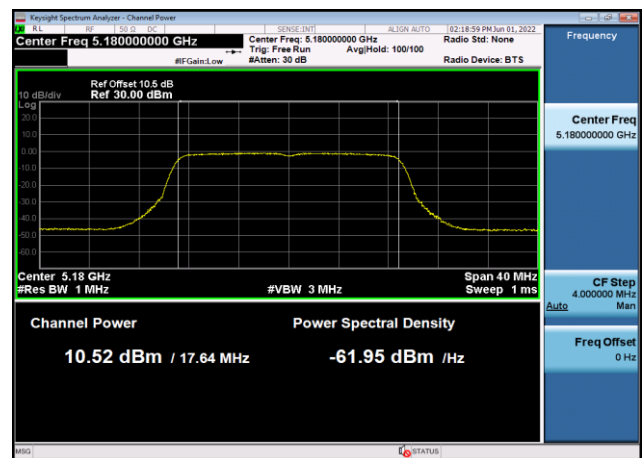
U-NII-1 Output Power-802.11a(20MHz)
,5240MHz,Ant8



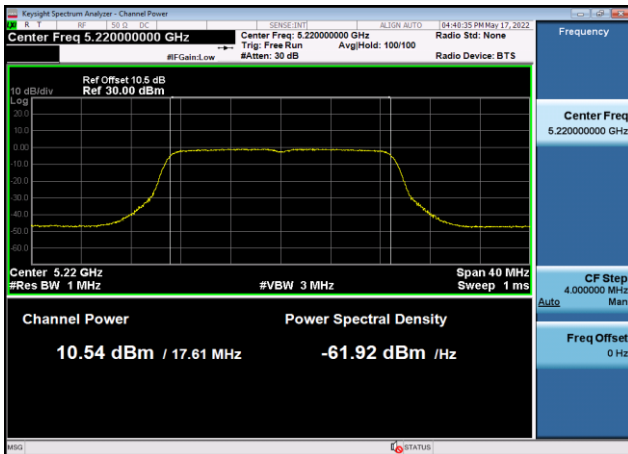
U-NII-1 Output Power-802.11ac(20MHz)
,5180MHz,Ant9



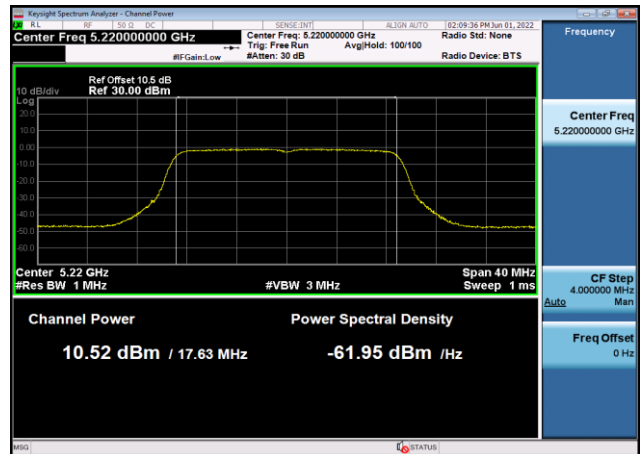
U-NII-1 Output Power-802.11ac(20MHz)
,5180MHz,Ant8



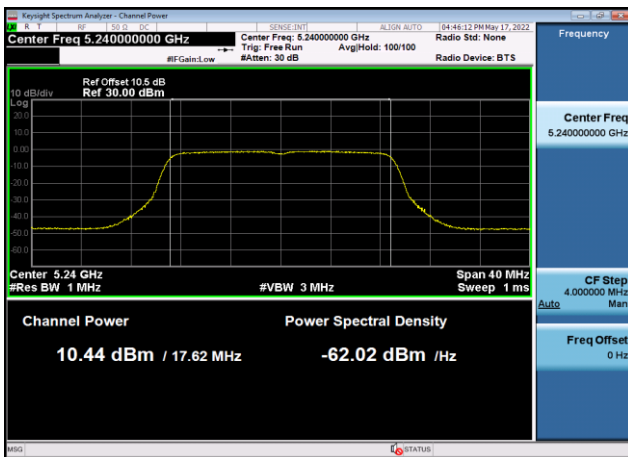
U-NII-1 Output Power-802.11ac(20MHz)
,5220MHz,Ant9



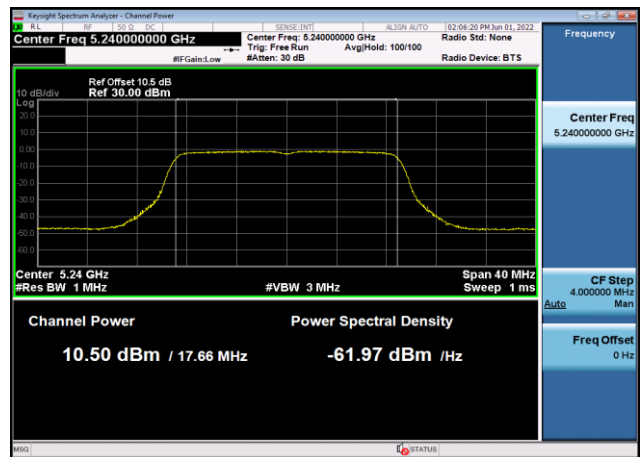
U-NII-1 Output Power-802.11ac(20MHz)
,5220MHz,Ant8



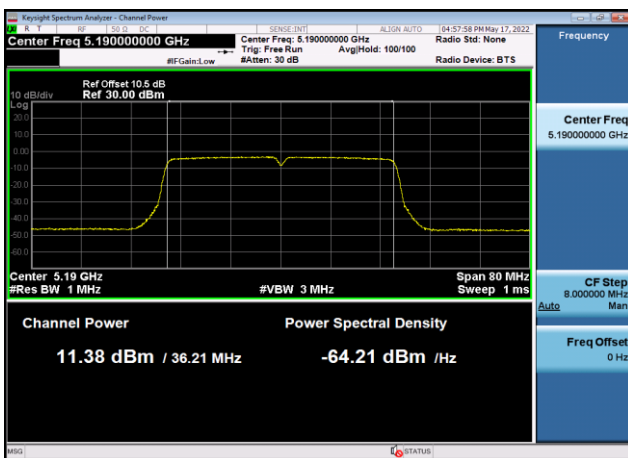
U-NII-1 Output Power-802.11ac(20MHz)
,5240MHz,Ant9



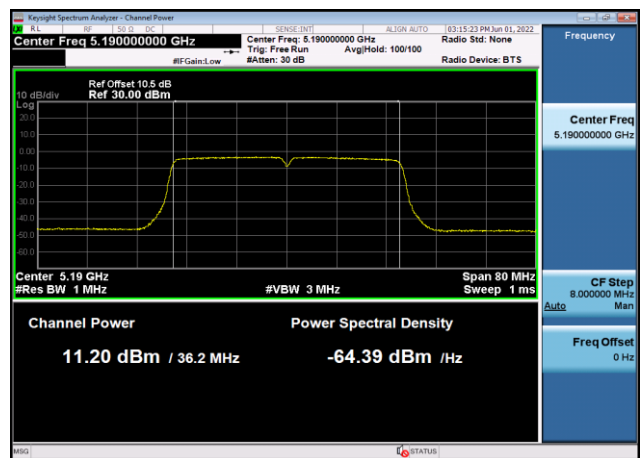
U-NII-1 Output Power-802.11ac(20MHz)
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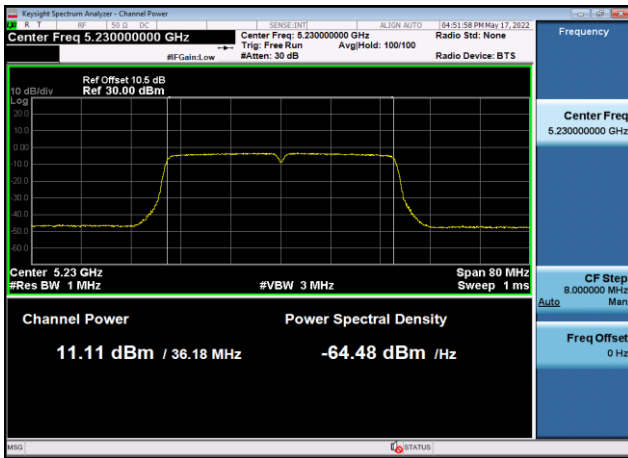
U-NII-1 Output Power-802.11ac(40MHz)
,5190MHz,Ant9



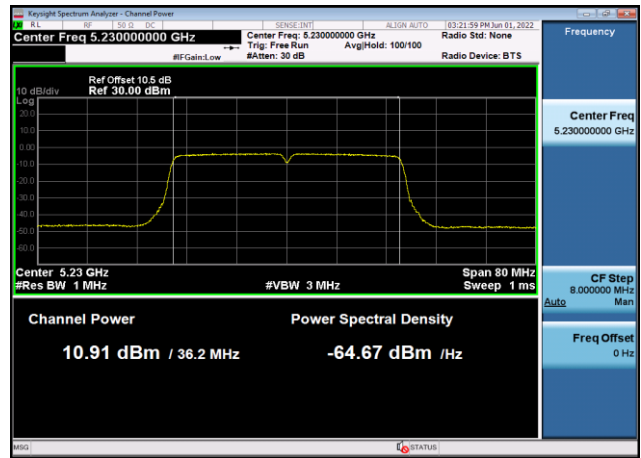
U-NII-1 Output Power-802.11ac(40MHz)
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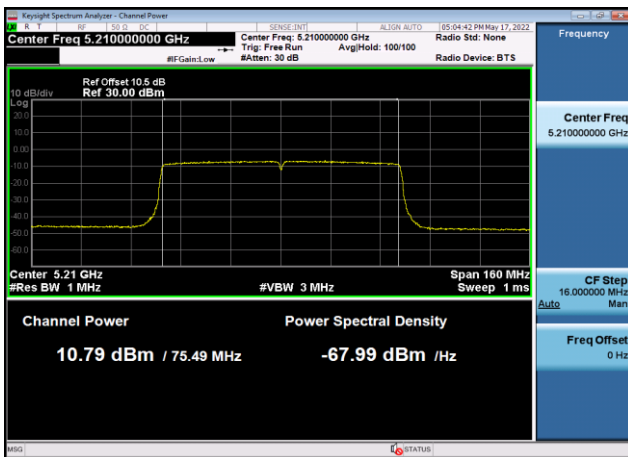
U-NII-1 Output Power-802.11ac(40MHz)
,5230MHz,Ant9



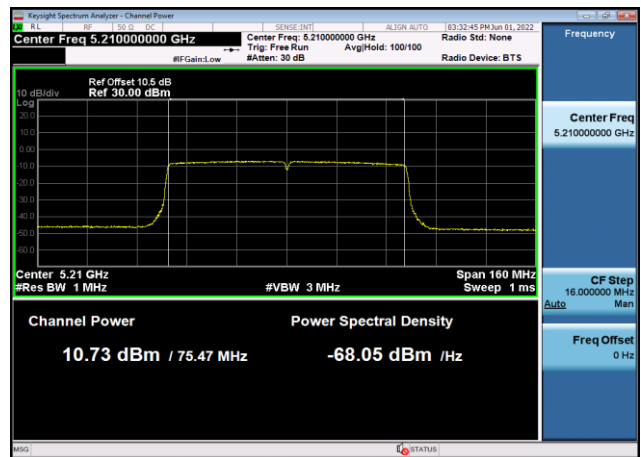
U-NII-1 Output Power-802.11ac(40MHz)
,5230MHz,Ant8



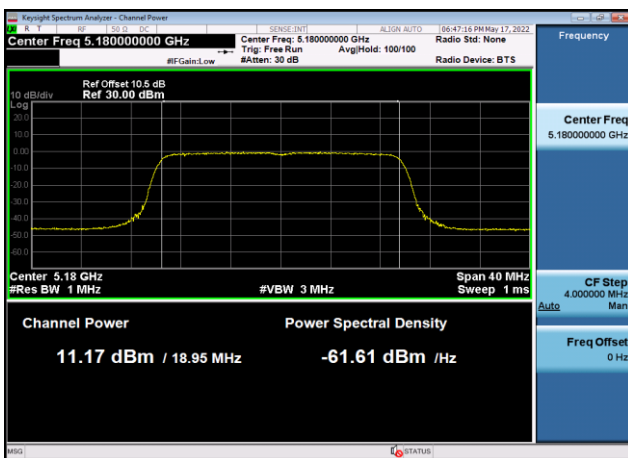
U-NII-1 Output Power-802.11ac(80MHz)
,5210MHz,Ant9



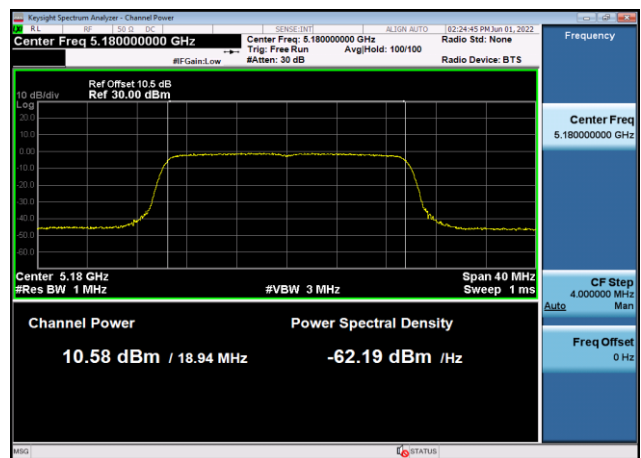
U-NII-1 Output Power-802.11ac(80MHz)
,5210MHz,Ant8



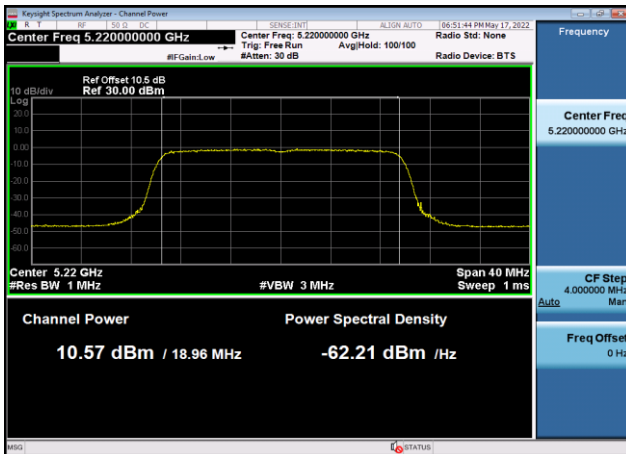
U-NII-1 Output Power-802.11ax(20MHz)
,5180MHz,Ant9



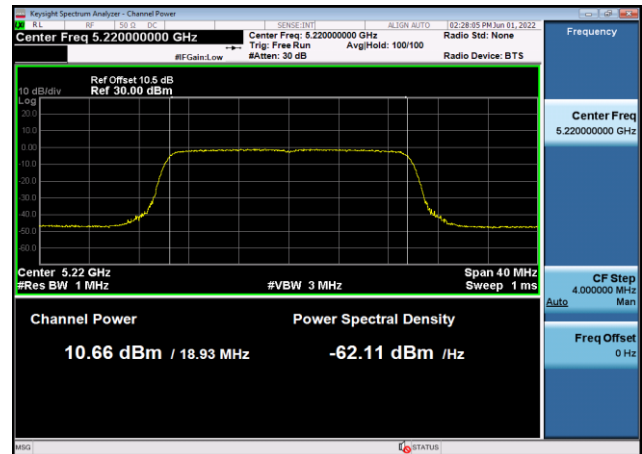
U-NII-1 Output Power-802.11ax(20MHz)
,5180MHz,Ant8



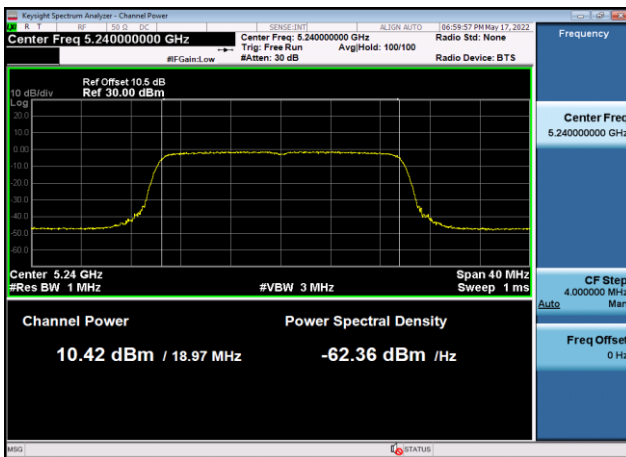
U-NII-1 Output Power-802.11ax(20MHz)
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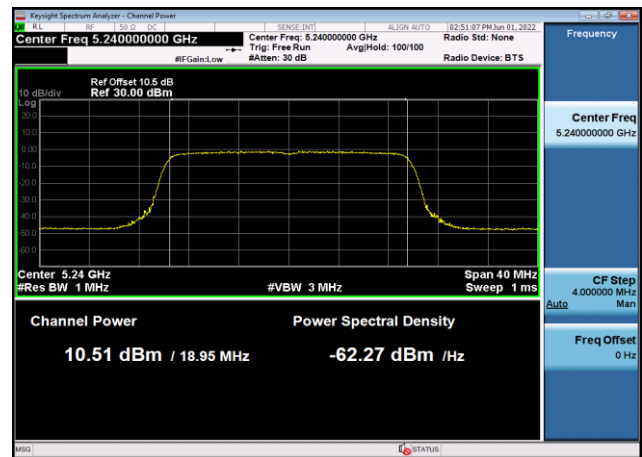
U-NII-1 Output Power-802.11ax(20MHz)
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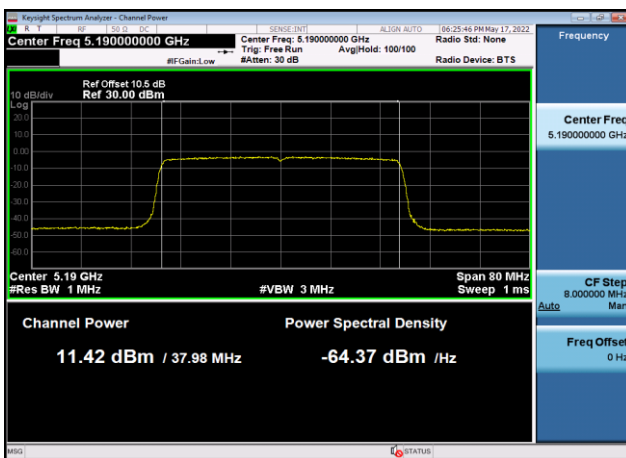
U-NII-1 Output Power-802.11ax(20MHz)
,5240MHz,Ant9



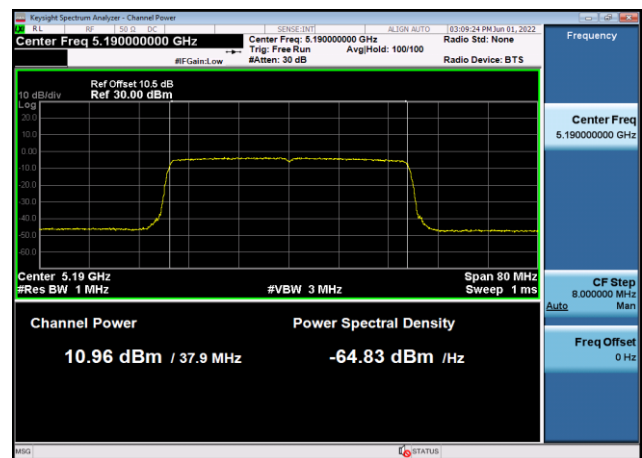
U-NII-1 Output Power-802.11ax(20MHz)
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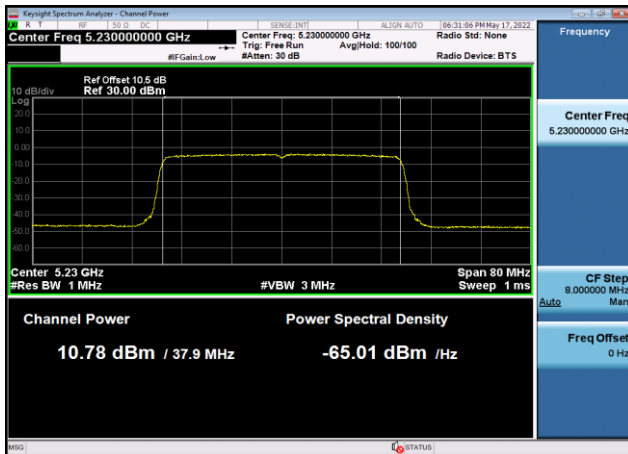
U-NII-1 Output Power-802.11ax(40MHz)
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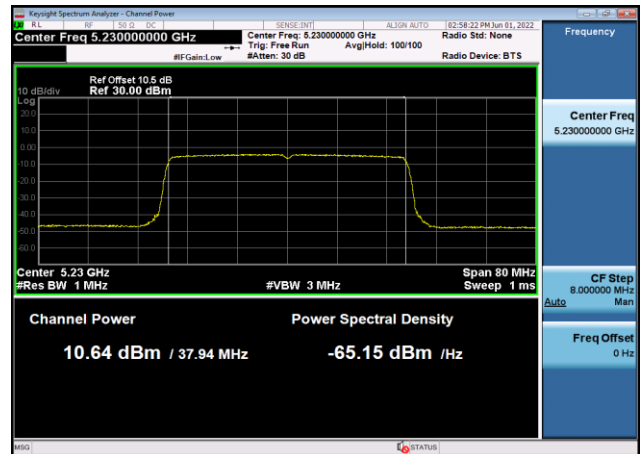
U-NII-1 Output Power-802.11ax(40MHz)
,5190MHz,Ant8



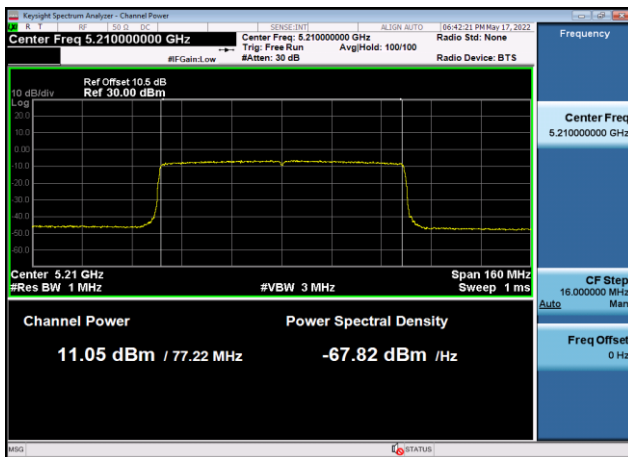
U-NII-1 Output Power-802.11ax(40MHz)
,5230MHz,Ant9



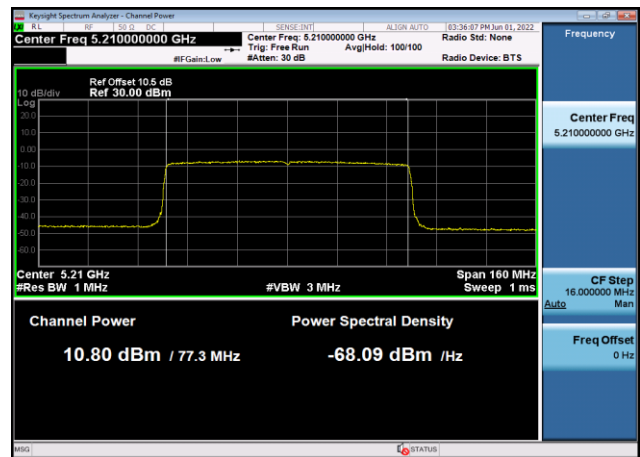
U-NII-1 Output Power-802.11ax(40MHz)
,5230MHz,Ant8



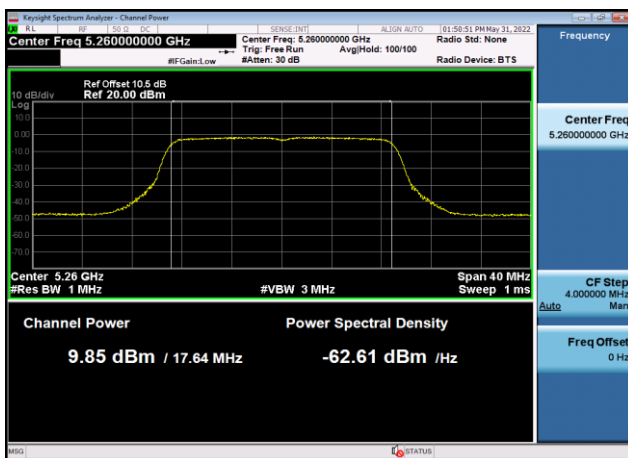
U-NII-1 Output Power-802.11ax(80MHz)
,5210MHz,Ant9



U-NII-1 Output Power-802.11ax(80MHz)
,5210MHz,Ant8



U-NII-2a Output Power-802.11n(20MHz)
,5260MHz,Ant9



U-NII-2a Output Power-802.11n(20MHz)
,5260MHz,Ant8

