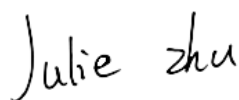


TEST REPORT

Applicant: REOLINK TECHNOLOGY PTE. LTD.
Address: 31 KAKI BUKIT ROAD 3, #06-02, TECHLINK,
SINGAPORE 417818
Equipment Type: WiFi module
Model Name: RL8711
Brand Name: N/A
FCC ID: 2BN5S-2602A
ISED Number: 33667-2602A
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 4
(refer to section 3.1)
Sample Arrival Date: Mar. 16, 2026
Test Date: Mar. 20, 2026 - Apr. 14, 2026
Date of Issue: Apr. 22, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 22, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☒ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No. 55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong Province, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The CAB identifier number is CN0030.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	REOLINK TECHNOLOGY PTE. LTD.
Address	31 KAKI BUKIT ROAD 3, #06-02, TECHLINK, SINGAPORE 417818

2.2 Manufacturer Information

Manufacturer	REOLINK TECHNOLOGY PTE. LTD.
Address	31 KAKI BUKIT ROAD 3, #06-02, TECHLINK, SINGAPORE 417818

2.3 General Description for Equipment under Test (EUT)

EUT Name	WiFi module
Model Name Under Test	RL8711
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax
-----------------------------------	---

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 72.2 Mbps 802.11ac: up to VHT-MCS9 802.11ax up to 143.4 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz 802.11ac: 20 MHz 802.11ax: 20 MHz
Maximum Output Power	U-NII-1: 34.75 mW U-NII-2A: 33.73 mW U-NII-2C: 34.04 mW U-NII-3: 34.04 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Dipole Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 2.02 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.32 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.55 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.19 dBi
About the Product	The equipment is WiFi module, intended for used with information technology equipment.

802.11ax RU configuration table				
Mode	Full RU (SU)	RU_26	RU_52	RU_106
802.11ax20	√	--	--	--

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Channel List

20 MHz	
Channel Number	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240
52	5260
56	5280
60	5300
64	5320
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700
149	5745
153	5765
157	5785
161	5805
165	5825

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)/ax(HE20)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ax(20 MHz)	4		N/A	N/A	N/A	165/157/149
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ax(20 MHz)	4		48/36	64/52	140/100	165/149

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and Licence Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 7.3	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 7.3	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 7.3	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 7.3	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 7.3	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 7.3	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note ²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note ³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	41% to 65%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+19.1℃ to +25.5℃
Working Voltage of the EUT	NV (Normal Voltage)	3.3 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Spectrum Analyzer	R&S	FSV40	101544	2025.10.30	2026.10.29
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	107	2024.05.12	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2026.12.26	2026.12.25
Filtering unit	balun	SU319F	LW-SZ19D0001F01	N/A	N/A
Switching unit	BALUN	SU319	LW-SZ19D0001S01	N/A	N/A
EMI Receiver	keysight	N9038B	MY61380132	2026.12.26	2026.12.25
LISN	SCHWARZBECK MESS- ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4 m	235	2024.11.05	2027.11.04

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

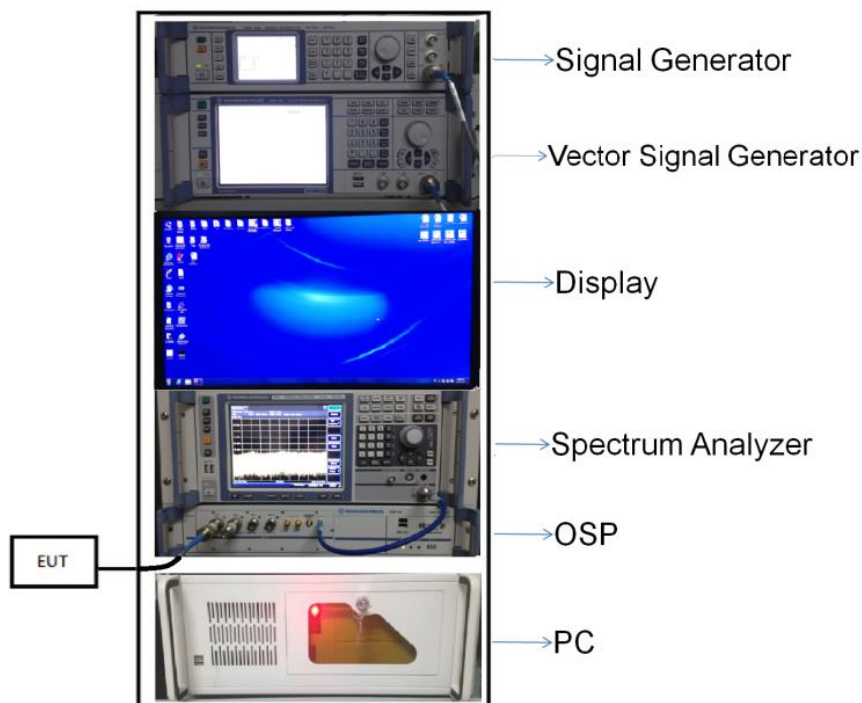
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

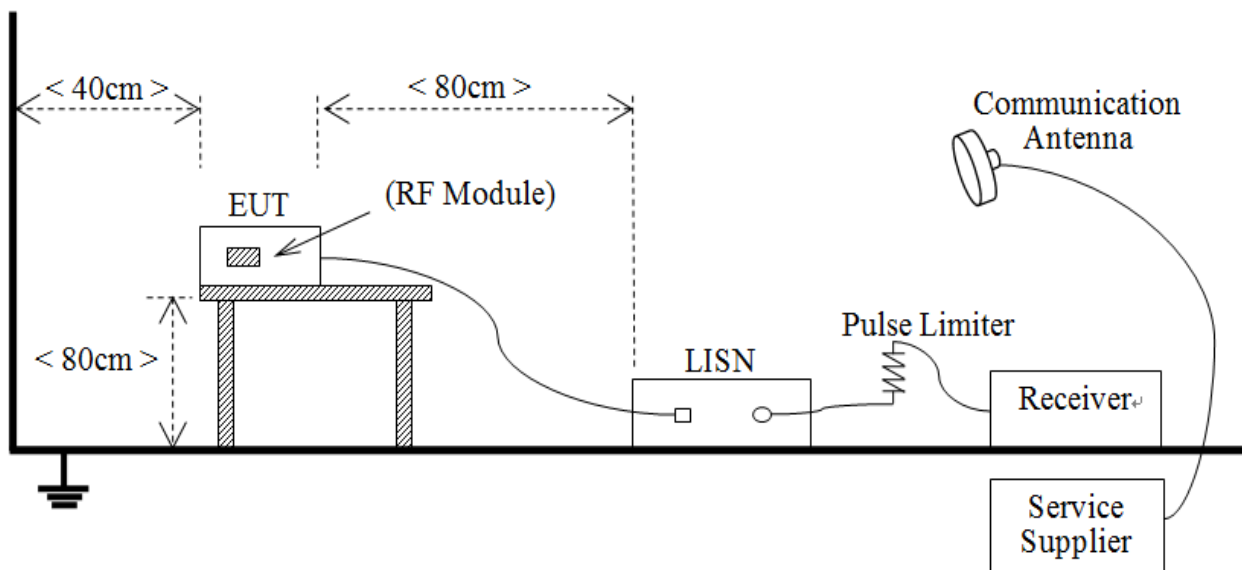
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



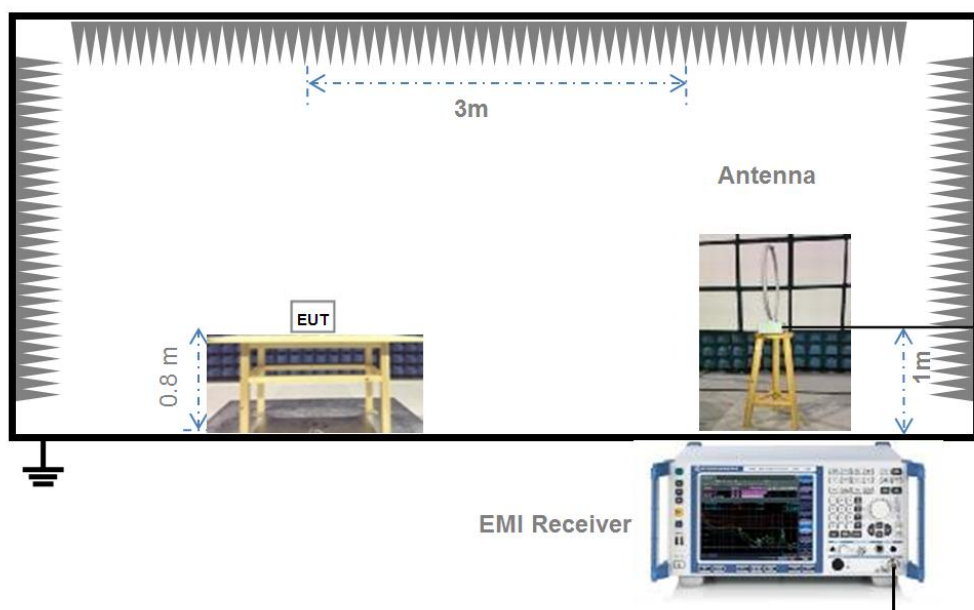
(Diagram 1)

4.5.2 For AC Power Supply Port Test



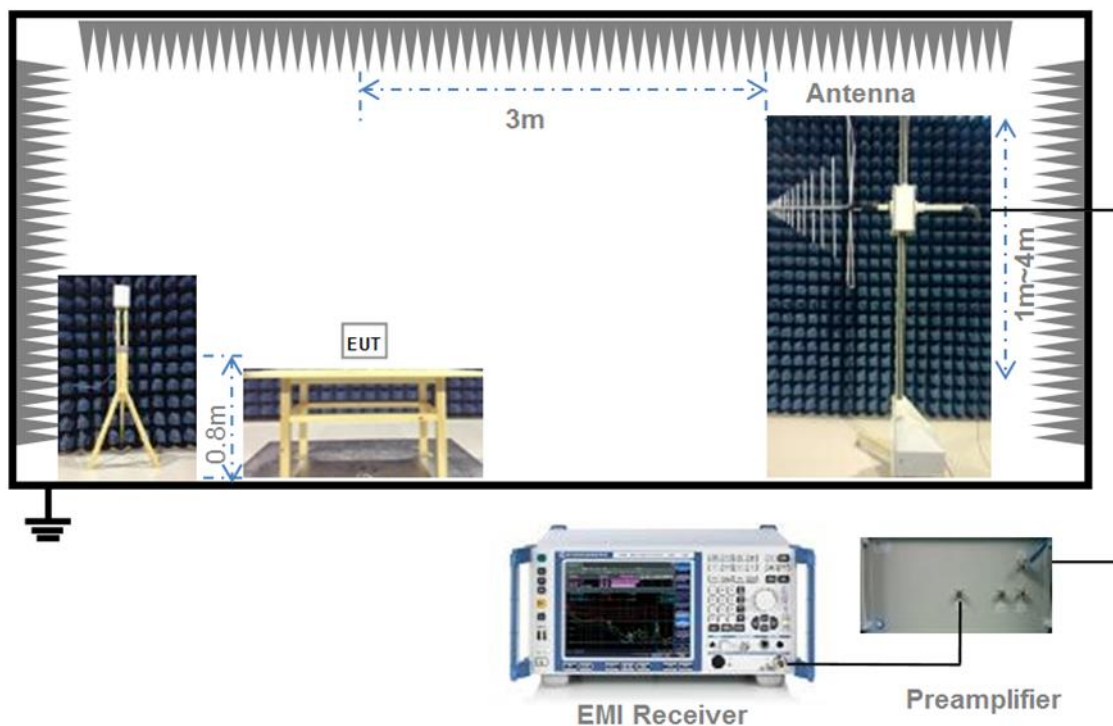
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



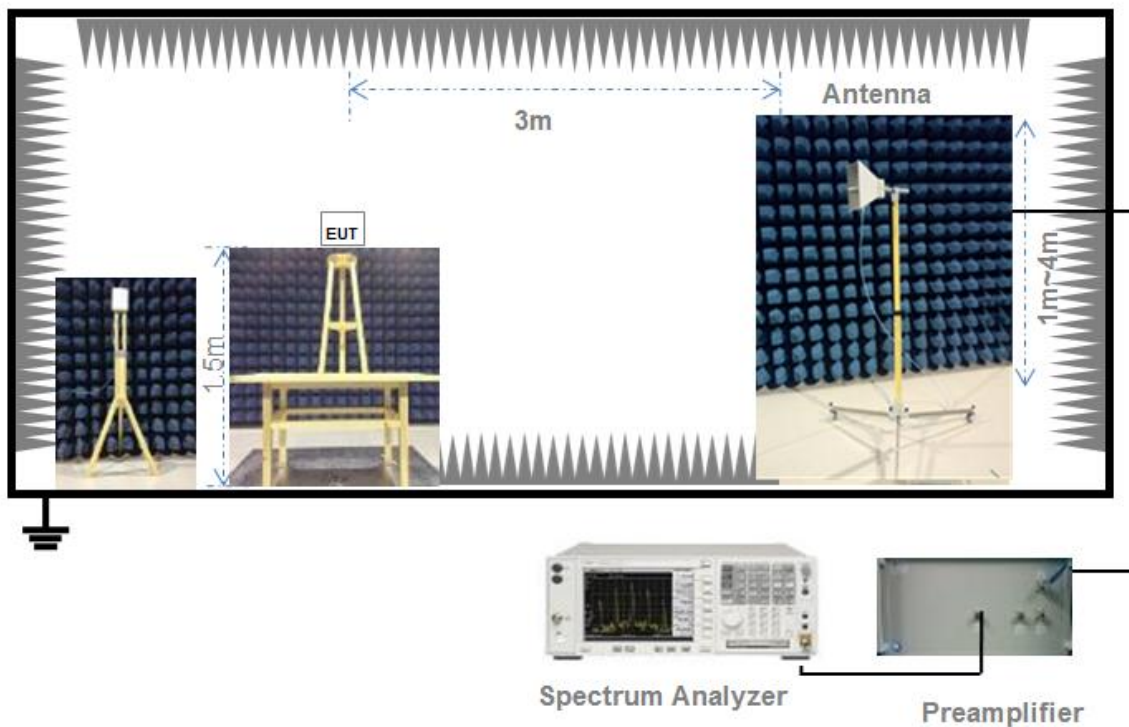
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 26 dB emissions bandwidth in MHz.	

RSS-247, 7.3

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note1: Where “B” is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by

at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

Set $VBW \geq RBW$. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 7.3

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

The test setup photo please refer to 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

RSS-247, 7.3

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.4.2 Test Setup

The section 4.5.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.5.

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

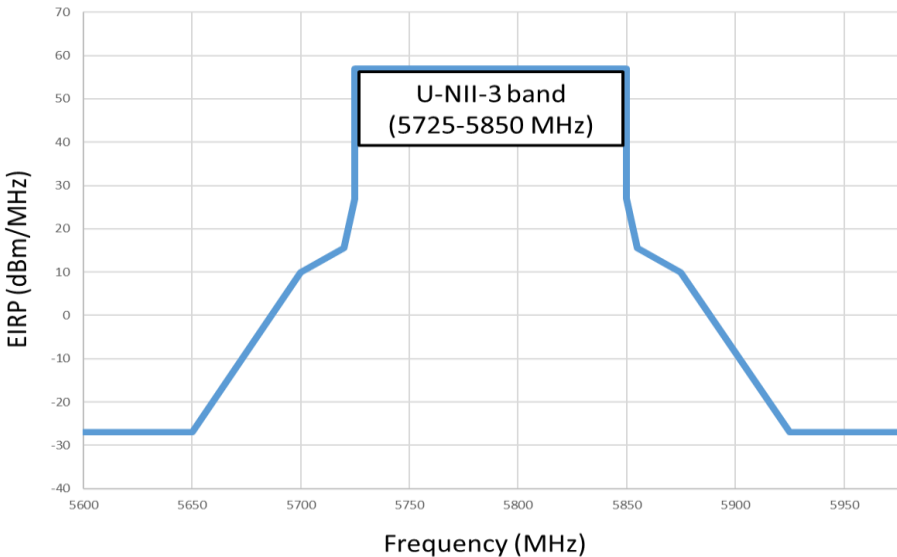
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 7.3

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

Note¹: The Limit for radiated test was performed according to FCC Part 15C

Note²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
 - b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
 - c) RBW = 1 MHz (unless otherwise specified).
 - d) VBW $\geq 3 \times$ RBW.
 - e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
 - f) Averaging type = power (i.e., RMS).
- 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated

measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.02	2.13	95.02%	0.22
11n(HT20)/11ac(VHT20)	1.70	1.81	94.04%	0.27
11ax(HE20)	1.27	1.45	87.83%	0.56

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.96	31.33	250	Pass
11a	CH44	15.07	32.14	250	Pass
11a	CH48	14.87	30.69	250	Pass
11n(HT20)	CH36	14.87	30.69	250	Pass
11n(HT20)	CH44	14.91	30.97	250	Pass
11n(HT20)	CH48	15.06	32.06	250	Pass
11ac(VHT20)	CH36	15.01	31.70	250	Pass
11ac(VHT20)	CH44	14.99	31.55	250	Pass
11ac(VHT20)	CH48	15.04	31.92	250	Pass
11ax(HE20)(SU)	CH36	15.29	33.81	250	Pass
11ax(HE20)(SU)	CH44	15.41	34.75	250	Pass
11ax(HE20)(SU)	CH48	15.40	34.67	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	14.85	30.55	236	206	Pass
11a	CH60	15.04	31.92	236	206	Pass
11a	CH64	14.92	31.05	236	206	Pass
11n(HT20)	CH52	15.12	32.51	248	221	Pass
11n(HT20)	CH60	14.90	30.90	247	221	Pass
11n(HT20)	CH64	14.92	31.05	248	221	Pass
11ac(VHT20)	CH52	15.09	32.28	248	221	Pass
11ac(VHT20)	CH60	14.92	31.05	247	220	Pass
11ac(VHT20)	CH64	15.00	31.62	247	220	Pass
11ax(HE20)(SU)	CH52	15.28	33.73	250	237	Pass
11ax(HE20)(SU)	CH60	15.20	33.11	250	237	Pass
11ax(HE20)(SU)	CH64	15.17	32.89	250	237	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	14.94	31.19	236	206	Pass
11a	CH116	14.81	30.27	237	206	Pass
11a	CH140	14.80	30.20	238	207	Pass
11n(HT20)	CH100	14.86	30.62	248	221	Pass
11n(HT20)	CH116	14.83	30.41	247	221	Pass
11n(HT20)	CH140	14.81	30.27	249	221	Pass
11ac(VHT20)	CH100	14.94	31.19	247	220	Pass
11ac(VHT20)	CH116	14.82	30.34	248	221	Pass
11ac(VHT20)	CH140	14.77	29.99	249	221	Pass
11ax(HE20)(SU)	CH100	15.19	33.04	250	237	Pass
11ax(HE20)(SU)	CH116	15.32	34.04	250	237	Pass
11ax(HE20)(SU)	CH140	15.13	32.58	250	237	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	14.82	30.34	1000	1000	Pass
11a	CH157	14.87	30.69	1000	1000	Pass
11a	CH165	14.92	31.05	1000	1000	Pass
11n(HT20)	CH149	14.95	31.26	1000	1000	Pass
11n(HT20)	CH157	14.98	31.48	1000	1000	Pass
11n(HT20)	CH165	14.87	30.69	1000	1000	Pass
11ac(VHT20)	CH149	14.94	31.19	1000	1000	Pass
11ac(VHT20)	CH157	14.98	31.48	1000	1000	Pass
11ac(VHT20)	CH165	14.97	31.41	1000	1000	Pass
11ax(HE20)(SU)	CH149	15.24	33.42	1000	1000	Pass
11ax(HE20)(SU)	CH157	15.32	34.04	1000	1000	Pass
11ax(HE20)(SU)	CH165	15.06	32.06	1000	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	16.98	49.89	165	Pass
11a	CH44	17.09	51.17	164	Pass
11a	CH48	16.89	48.87	164	Pass
11n(HT20)	CH36	16.89	48.87	176	Pass
11n(HT20)	CH44	16.93	49.32	176	Pass
11n(HT20)	CH48	17.08	51.05	176	Pass
11ac(VHT20)	CH36	17.03	50.47	176	Pass
11ac(VHT20)	CH44	17.01	50.23	176	Pass
11ac(VHT20)	CH48	17.06	50.82	175	Pass
11ax(HE20)(SU)	CH36	17.31	53.83	189	Pass
11ax(HE20)(SU)	CH44	17.43	55.34	189	Pass
11ax(HE20)(SU)	CH48	17.42	55.21	188	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	17.17	52.12	820	Pass
11a	CH60	17.36	54.45	820	Pass
11a	CH64	17.24	52.97	820	Pass
11n(HT20)	CH52	17.44	55.46	879	Pass
11n(HT20)	CH60	17.22	52.72	878	Pass
11n(HT20)	CH64	17.24	52.97	878	Pass
11ac(VHT20)	CH52	17.41	55.08	878	Pass
11ac(VHT20)	CH60	17.24	52.97	878	Pass
11ac(VHT20)	CH64	17.32	53.95	877	Pass
11ax(HE20)(SU)	CH52	17.60	57.54	944	Pass
11ax(HE20)(SU)	CH60	17.52	56.49	944	Pass
11ax(HE20)(SU)	CH64	17.49	56.10	944	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	17.49	56.10	821	Pass
11a	CH116	17.36	54.45	822	Pass
11a	CH140	17.35	54.33	822	Pass
11n(HT20)	CH100	17.41	55.08	878	Pass
11n(HT20)	CH116	17.38	54.70	879	Pass
11n(HT20)	CH140	17.36	54.45	880	Pass
11ac(VHT20)	CH100	17.49	56.10	877	Pass
11ac(VHT20)	CH116	17.37	54.58	879	Pass
11ac(VHT20)	CH140	17.32	53.95	880	Pass
11ax(HE20)(SU)	CH100	17.74	59.43	944	Pass
11ax(HE20)(SU)	CH116	17.87	61.24	945	Pass
11ax(HE20)(SU)	CH140	17.68	58.61	945	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	17.01	50.23	Pass
11a	CH157	17.06	50.82	Pass
11a	CH165	17.11	51.40	Pass
11n(HT20)	CH149	17.14	51.76	Pass
11n(HT20)	CH157	17.17	52.12	Pass
11n(HT20)	CH165	17.06	50.82	Pass
11ac(VHT20)	CH149	17.13	51.64	Pass
11ac(VHT20)	CH157	17.17	52.12	Pass
11ac(VHT20)	CH165	17.16	52.00	Pass
11ax(HE20)(SU)	CH149	17.43	55.34	Pass
11ax(HE20)(SU)	CH157	17.51	56.36	Pass
11ax(HE20)(SU)	CH165	17.25	53.09	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note¹: Test plots please refer to the document “Annex No.: Ti-EE26030539-603 Data Part 1.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.10	16.45
11a	CH44	18.83	16.41
11a	CH48	18.81	16.39
11n(HT20)	CH36	19.86	17.59
11n(HT20)	CH44	19.81	17.56
11n(HT20)	CH48	19.75	17.55
11ac(VHT20)	CH36	23.98	17.61
11ac(VHT20)	CH44	19.62	17.55
11ac(VHT20)	CH48	19.67	17.54
11ax(HE20)(SU)	CH36	20.39	18.88
11ax(HE20)(SU)	CH44	20.38	18.86
11ax(HE20)(SU)	CH48	20.36	18.84

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	18.74	16.37
11a	CH60	18.78	16.37
11a	CH64	18.76	16.36
11n(HT20)	CH52	19.67	17.53
11n(HT20)	CH60	19.64	17.52
11n(HT20)	CH64	19.69	17.52
11ac(VHT20)	CH52	19.68	17.52
11ac(VHT20)	CH60	19.64	17.51
11ac(VHT20)	CH64	19.63	17.51
11ax(HE20)(SU)	CH52	20.37	18.84
11ax(HE20)(SU)	CH60	20.29	18.83
11ax(HE20)(SU)	CH64	20.38	18.84

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	18.77	16.38
11a	CH116	18.82	16.40
11a	CH140	18.88	16.41
11n(HT20)	CH100	19.67	17.52
11n(HT20)	CH116	19.65	17.55
11n(HT20)	CH140	19.77	17.55
11ac(VHT20)	CH100	19.62	17.51
11ac(VHT20)	CH116	19.71	17.54
11ac(VHT20)	CH140	19.74	17.56
11ax(HE20)(SU)	CH100	20.33	18.84
11ax(HE20)(SU)	CH116	20.35	18.85
11ax(HE20)(SU)	CH140	20.40	18.86

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	18.93	16.54
11a	CH157	25.94	16.49
11a	CH165	27.10	16.51
11n(HT20)	CH149	20.74	17.60
11n(HT20)	CH157	20.91	17.62
11n(HT20)	CH165	21.44	17.63
11ac(VHT20)	CH149	24.08	17.62
11ac(VHT20)	CH157	20.53	17.66
11ac(VHT20)	CH165	20.50	17.68
11ax(HE20)(SU)	CH149	20.94	18.87
11ax(HE20)(SU)	CH157	28.94	18.90
11ax(HE20)(SU)	CH165	28.97	18.90

A.3 6 dB Bandwidth

Note¹: Test plots please refer to the document “Annex No.: Ti-EE26030539-603 Data Part 2.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.60	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n(HT20)	CH149	17.40	500.00	Pass
11n(HT20)	CH157	17.60	500.00	Pass
11n(HT20)	CH165	17.60	500.00	Pass
11ac(VHT20)	CH149	17.40	500.00	Pass
11ac(VHT20)	CH157	17.40	500.00	Pass
11ac(VHT20)	CH165	17.40	500.00	Pass
11ax(HE20)(SU)	CH149	18.70	500.00	Pass
11ax(HE20)(SU)	CH157	18.70	500.00	Pass
11ax(HE20)(SU)	CH165	19.00	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document “Annex No.: Ti-EE26030539-603 Data Part 3.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	3.26	0.22	3.48	11.00	Pass
11a	CH44	3.12	0.22	3.34	11.00	Pass
11a	CH48	2.97	0.22	3.20	11.00	Pass
11n(HT20)	CH36	3.06	0.27	3.32	11.00	Pass
11n(HT20)	CH44	3.09	0.27	3.35	11.00	Pass
11n(HT20)	CH48	3.26	0.27	3.52	11.00	Pass
11ac(VHT20)	CH36	3.04	0.27	3.31	11.00	Pass
11ac(VHT20)	CH44	2.84	0.27	3.10	11.00	Pass
11ac(VHT20)	CH48	2.94	0.27	3.20	11.00	Pass
11ax(HE20)(SU)	CH36	2.73	0.56	3.29	11.00	Pass
11ax(HE20)(SU)	CH44	2.81	0.56	3.37	11.00	Pass
11ax(HE20)(SU)	CH48	1.96	0.56	2.52	11.00	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	2.27	0.22	2.49	11.00	Pass
11a	CH60	2.62	0.22	2.84	11.00	Pass
11a	CH64	2.62	0.22	2.84	11.00	Pass
11n(HT20)	CH52	2.57	0.27	2.83	11.00	Pass
11n(HT20)	CH60	2.30	0.27	2.56	11.00	Pass
11n(HT20)	CH64	2.27	0.27	2.54	11.00	Pass
11ac(VHT20)	CH52	2.44	0.27	2.71	11.00	Pass
11ac(VHT20)	CH60	2.32	0.27	2.59	11.00	Pass
11ac(VHT20)	CH64	2.53	0.27	2.79	11.00	Pass
11ax(HE20)(SU)	CH52	2.19	0.56	2.75	11.00	Pass
11ax(HE20)(SU)	CH60	2.06	0.56	2.63	11.00	Pass
11ax(HE20)(SU)	CH64	2.14	0.56	2.70	11.00	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	2.42	0.22	2.64	11.00	Pass
11a	CH116	1.56	0.22	1.78	11.00	Pass
11a	CH140	2.37	0.22	2.59	11.00	Pass
11n(HT20)	CH100	2.23	0.27	2.50	11.00	Pass
11n(HT20)	CH116	1.06	0.27	1.33	11.00	Pass
11n(HT20)	CH140	2.01	0.27	2.28	11.00	Pass
11ac(VHT20)	CH100	2.19	0.27	2.46	11.00	Pass
11ac(VHT20)	CH116	1.33	0.27	1.60	11.00	Pass
11ac(VHT20)	CH140	2.00	0.27	2.27	11.00	Pass
11ax(HE20)(SU)	CH100	1.83	0.56	2.39	11.00	Pass
11ax(HE20)(SU)	CH116	1.19	0.56	1.75	11.00	Pass
11ax(HE20)(SU)	CH140	1.82	0.56	2.38	11.00	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Measured PSD (dBm/500kHz)	Duty Factor	PSD (dBm/500kHz)	FCC&IC Limit (dBm/500kHz)	Verdict
11a	CH149	-0.64	0.22	-0.41	30.00	Pass
11a	CH157	-0.19	0.22	0.03	30.00	Pass
11a	CH165	-0.36	0.22	-0.14	30.00	Pass
11n(HT20)	CH149	-0.70	0.27	-0.43	30.00	Pass
11n(HT20)	CH157	-0.44	0.27	-0.17	30.00	Pass
11n(HT20)	CH165	-0.46	0.27	-0.20	30.00	Pass
11ac(VHT20)	CH149	-0.75	0.27	-0.48	30.00	Pass
11ac(VHT20)	CH157	-0.43	0.27	-0.17	30.00	Pass
11ac(VHT20)	CH165	-0.64	0.27	-0.37	30.00	Pass
11ax(HE20)(SU)	CH149	-1.03	0.56	-0.47	30.00	Pass
11ax(HE20)(SU)	CH157	-0.77	0.56	-0.21	30.00	Pass
11ax(HE20)(SU)	CH165	-0.96	0.56	-0.40	30.00	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	5.50	10.00	Pass
11a	CH44	5.36	10.00	Pass
11a	CH48	5.22	10.00	Pass
11n(HT20)	CH36	5.34	10.00	Pass
11n(HT20)	CH44	5.37	10.00	Pass
11n(HT20)	CH48	5.54	10.00	Pass
11ac(VHT20)	CH36	5.33	10.00	Pass
11ac(VHT20)	CH44	5.12	10.00	Pass
11ac(VHT20)	CH48	5.22	10.00	Pass
11ax(HE20)(SU)	CH36	5.31	10.00	Pass
11ax(HE20)(SU)	CH44	5.39	10.00	Pass
11ax(HE20)(SU)	CH48	4.54	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	4.81	Pass
11a	CH60	5.16	Pass
11a	CH64	5.16	Pass
11n(HT20)	CH52	5.15	Pass
11n(HT20)	CH60	4.88	Pass
11n(HT20)	CH64	4.86	Pass
11ac(VHT20)	CH52	5.03	Pass
11ac(VHT20)	CH60	4.91	Pass
11ac(VHT20)	CH64	5.11	Pass
11ax(HE20)(SU)	CH52	5.07	Pass
11ax(HE20)(SU)	CH60	4.95	Pass
11ax(HE20)(SU)	CH64	5.02	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	5.19	Pass
11a	CH116	4.33	Pass
11a	CH140	5.14	Pass
11n(HT20)	CH100	5.05	Pass
11n(HT20)	CH116	3.88	Pass
11n(HT20)	CH140	4.83	Pass
11ac(VHT20)	CH100	5.01	Pass
11ac(VHT20)	CH116	4.15	Pass
11ac(VHT20)	CH140	4.82	Pass
11ax(HE20)(SU)	CH100	4.94	Pass
11ax(HE20)(SU)	CH116	4.30	Pass
11ax(HE20)(SU)	CH140	4.93	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	1.78	Pass
11a	CH157	2.22	Pass
11a	CH165	2.05	Pass
11n(HT20)	CH149	1.76	Pass
11n(HT20)	CH157	2.02	Pass
11n(HT20)	CH165	1.99	Pass
11ac(VHT20)	CH149	1.71	Pass
11ac(VHT20)	CH157	2.02	Pass
11ac(VHT20)	CH165	1.82	Pass
11ax(HE20)(SU)	CH149	1.72	Pass
11ax(HE20)(SU)	CH157	1.98	Pass
11ax(HE20)(SU)	CH165	1.79	Pass

A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

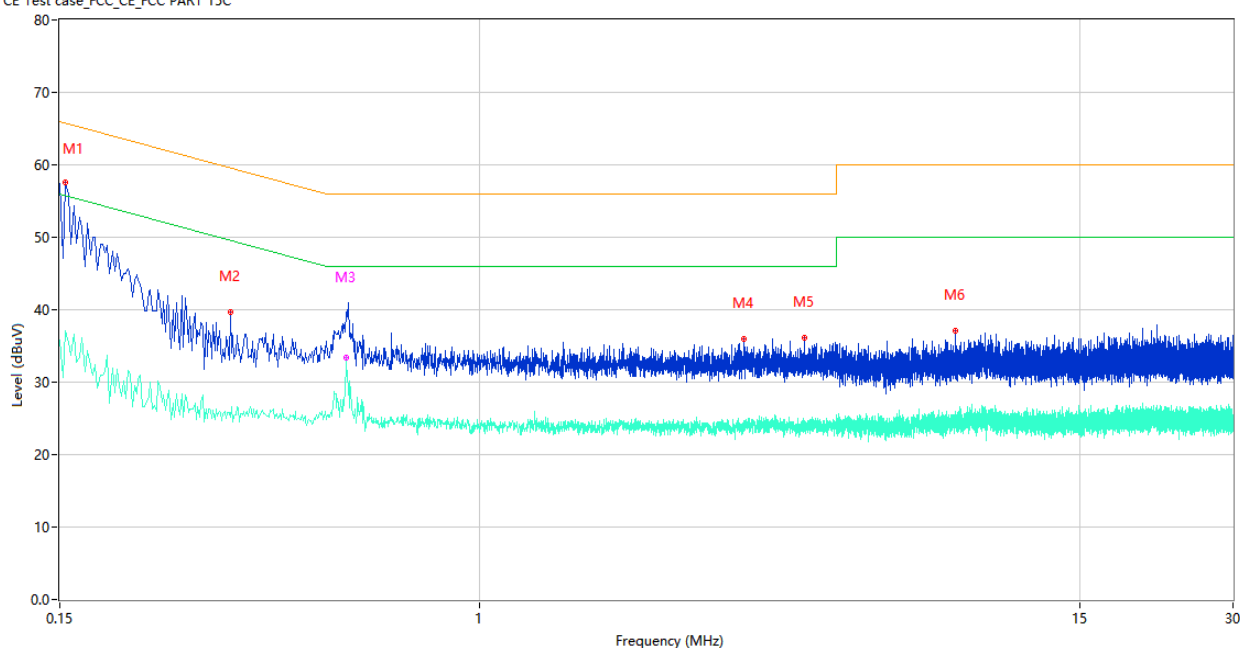
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

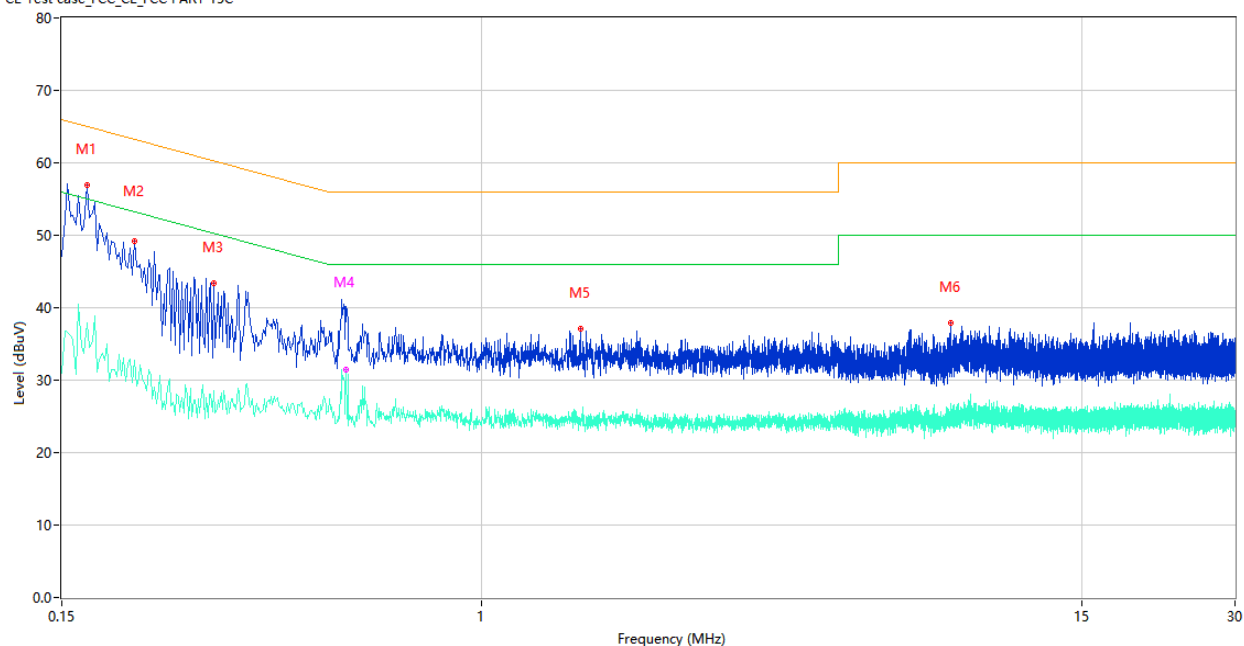
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	57.62	9.86	65.78	8.16	Peak	L	Pass
1**	0.154	37.16	9.86	55.78	18.62	AV	L	Pass
2	0.324	39.72	10.30	59.60	19.88	Peak	L	Pass
2**	0.324	25.22	10.30	49.60	24.38	AV	L	Pass
3	0.548	38.65	10.09	56.00	17.35	Peak	L	Pass
3**	0.548	33.46	10.09	46.00	12.54	AV	L	Pass
4	3.296	35.97	10.38	56.00	20.03	Peak	L	Pass
4**	3.296	24.18	10.38	46.00	21.82	AV	L	Pass
5	4.340	36.15	10.07	56.00	19.85	Peak	L	Pass
5**	4.340	23.40	10.07	46.00	22.60	AV	L	Pass
6	8.566	37.14	10.46	60.00	22.86	Peak	L	Pass
6**	8.566	24.28	10.46	50.00	25.72	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.168	56.89	9.85	65.06	8.17	Peak	N	Pass
1**	0.168	37.89	9.85	55.06	17.17	AV	N	Pass
2	0.208	49.21	9.83	63.28	14.07	Peak	N	Pass
2**	0.208	32.69	9.83	53.28	20.59	AV	N	Pass
3	0.298	43.31	9.82	60.30	16.99	Peak	N	Pass
3**	0.298	28.61	9.82	50.30	21.69	AV	N	Pass
4	0.542	40.12	10.08	56.00	15.88	Peak	N	Pass
4**	0.542	31.48	10.08	46.00	14.52	AV	N	Pass
5	1.560	37.10	10.15	56.00	18.90	Peak	N	Pass
5**	1.560	24.71	10.15	46.00	21.29	AV	N	Pass
6	8.314	37.84	10.28	60.00	22.16	Peak	N	Pass
6**	8.314	26.76	10.28	50.00	23.24	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note¹: The symbol of "--" in the table which means not application.

Note²: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

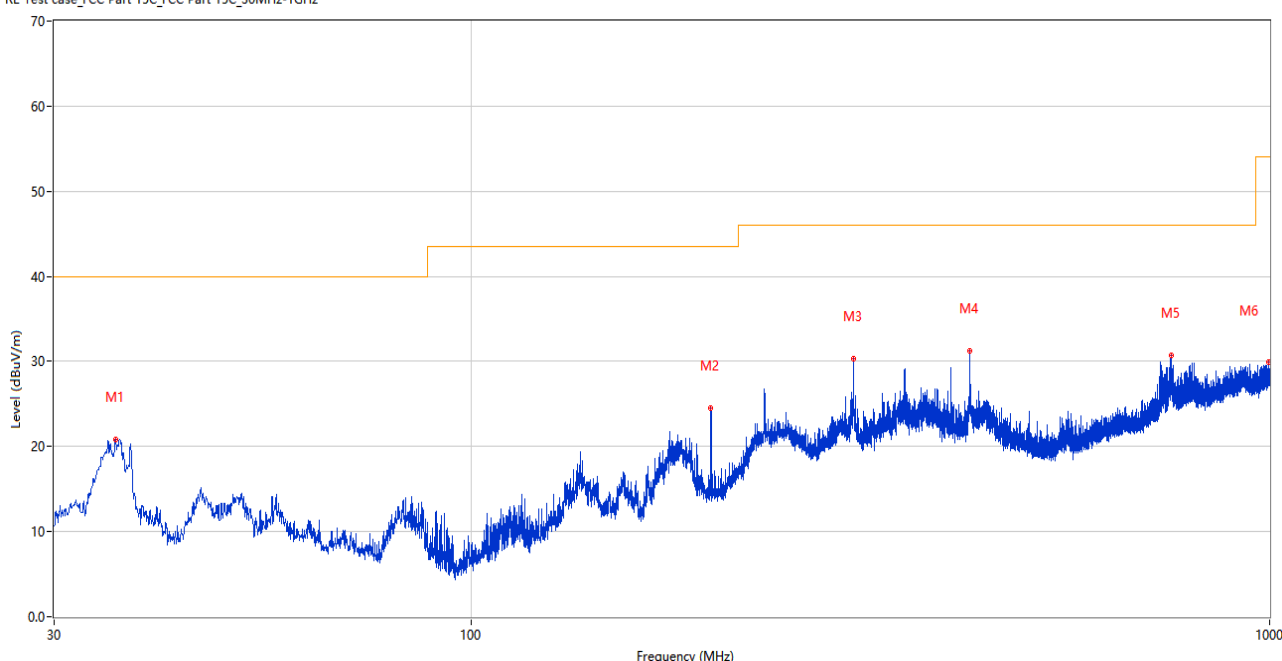
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

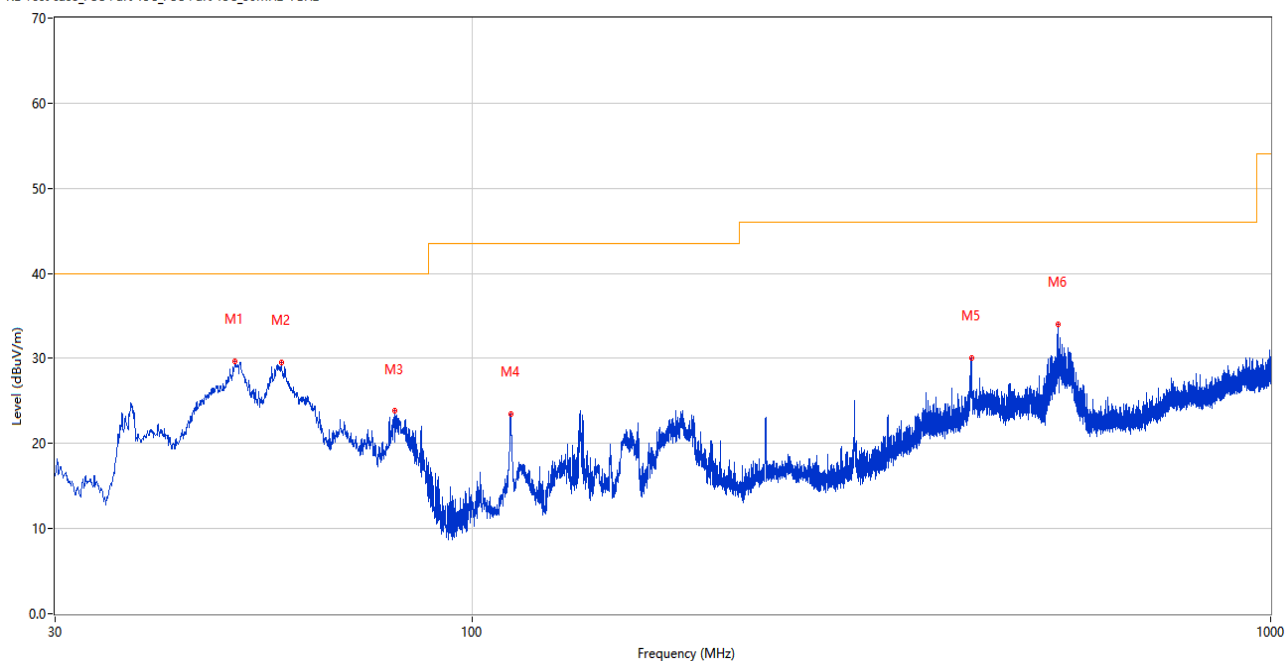
RE Test case_FCC Part 15C_FCC Part 15C_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.820	20.85	-30.24	40.0	19.15	Peak	14.50	100	Horizontal	Pass
2	199.556	24.53	-30.75	43.5	18.97	Peak	88.70	100	Horizontal	Pass
3	300.970	30.35	-26.15	46.0	15.65	Peak	258.90	100	Horizontal	Pass
4	421.298	31.28	-22.62	46.0	14.72	Peak	303.00	100	Horizontal	Pass
5	752.893	30.75	-13.66	46.0	15.25	Peak	221.30	100	Horizontal	Pass
6	997.575	29.89	-10.53	54.0	24.11	Peak	123.60	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C_30MHz-1GHz



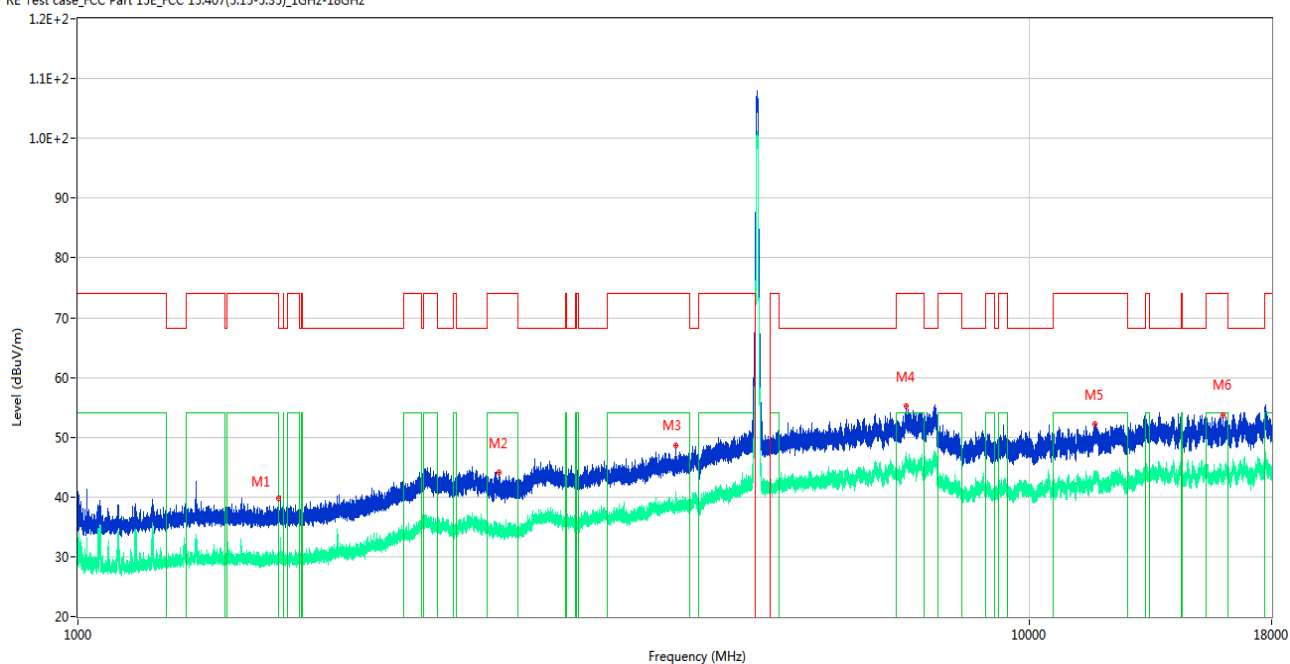
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.370	29.61	-29.30	40.0	10.39	Peak	230.20	100	Vertical	Pass
2	57.645	29.53	-29.16	40.0	10.47	Peak	274.90	100	Vertical	Pass
3	80.004	23.89	-33.26	40.0	16.11	Peak	92.30	100	Vertical	Pass
4	111.626	23.42	-31.81	43.5	20.08	Peak	228.60	100	Vertical	Pass
5	421.686	30.08	-22.58	46.0	15.92	Peak	230.20	100	Vertical	Pass
6	541.724	33.97	-19.37	46.0	12.03	Peak	5.70	100	Vertical	Pass

Note ¹: The spurious above 18G is noise only, do not show on the report.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.079	39.97	74.0	34.03	Peak	238.00	400	Horizontal	Pass
1**	1624.079	33.09	54.0	20.91	AV	238.00	400	Horizontal	Pass
2	2770.170	44.29	74.0	29.71	Peak	357.00	300	Horizontal	Pass
2**	2770.170	34.48	54.0	19.52	AV	357.00	300	Horizontal	Pass
3	4258.200	48.64	74.0	25.36	Peak	9.00	200	Horizontal	Pass
3**	4258.200	38.90	54.0	15.10	AV	9.00	200	Horizontal	Pass
4	7423.629	55.32	74.0	18.68	Peak	346.00	100	Horizontal	Pass
4**	7423.629	46.81	54.0	7.19	AV	346.00	100	Horizontal	Pass
5	11738.294	52.23	74.0	21.77	Peak	182.00	200	Horizontal	Pass
5**	11738.294	43.14	54.0	10.86	AV	182.00	200	Horizontal	Pass
6	15986.499	54.07	74.0	19.93	Peak	282.00	100	Horizontal	Pass
6**	15986.499	43.37	54.0	10.63	AV	282.00	100	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.738	49.66	74.0	24.34	Peak	46.00	100	Vertical	Pass
1**	1163.738	35.09	54.0	18.91	AV	46.00	100	Vertical	Pass
2	1337.843	46.88	74.0	27.12	Peak	105.00	200	Vertical	Pass
2**	1337.843	38.56	54.0	15.44	AV	105.00	200	Vertical	Pass
3	4926.845	48.47	74.0	25.53	Peak	39.00	200	Vertical	Pass
3**	4926.845	39.18	54.0	14.82	AV	39.00	200	Vertical	Pass
4	7932.407	53.40	74.0	20.60	Peak	209.00	300	Vertical	Pass
4**	7932.407	43.75	54.0	10.25	AV	209.00	300	Vertical	Pass
5	12492.265	53.24	74.0	20.77	Peak	314.00	400	Vertical	Pass
5**	12492.265	43.81	54.0	10.19	AV	314.00	400	Vertical	Pass
6	17101.995	54.55	74.0	19.45	Peak	77.00	400	Vertical	Pass
6**	17101.995	44.82	54.0	9.18	AV	77.00	400	Vertical	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1627.900	39.80	74.0	34.20	Peak	215.00	400	Horizontal	Pass
1**	1627.900	32.90	54.0	21.10	AV	215.00	400	Horizontal	Pass
2	2769.074	44.10	74.0	29.90	Peak	132.00	100	Horizontal	Pass
2**	2769.074	34.31	54.0	19.69	AV	132.00	100	Horizontal	Pass
3	4253.589	48.46	74.0	25.55	Peak	31.00	200	Horizontal	Pass
3**	4253.589	38.60	54.0	15.40	AV	31.00	200	Horizontal	Pass
4	7421.246	55.15	74.0	18.85	Peak	138.00	200	Horizontal	Pass
4**	7421.246	46.64	54.0	7.36	AV	138.00	200	Horizontal	Pass
5	11737.456	52.09	74.0	21.91	Peak	146.00	400	Horizontal	Pass
5**	11737.456	43.10	54.0	10.90	AV	146.00	400	Horizontal	Pass
6	15980.877	54.03	74.0	19.97	Peak	96.00	200	Horizontal	Pass
6**	15980.877	43.25	54.0	10.75	AV	96.00	200	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.236	49.40	74.0	24.60	Peak	205.00	200	Vertical	Pass
1**	1162.236	34.95	54.0	19.05	AV	205.00	200	Vertical	Pass
2	1333.850	46.63	74.0	27.37	Peak	10.00	100	Vertical	Pass
2**	1333.850	38.26	54.0	15.74	AV	10.00	100	Vertical	Pass
3	4924.216	48.39	74.0	25.61	Peak	348.00	200	Vertical	Pass
3**	4924.216	38.89	54.0	15.11	AV	348.00	200	Vertical	Pass
4	7930.159	53.27	74.0	20.73	Peak	155.00	200	Vertical	Pass
4**	7930.159	43.53	54.0	10.48	AV	155.00	200	Vertical	Pass
5	12497.600	53.17	74.0	20.84	Peak	239.00	400	Vertical	Pass
5**	12497.600	43.78	54.0	10.22	AV	239.00	400	Vertical	Pass
6	17101.463	54.45	74.0	19.55	Peak	189.00	400	Vertical	Pass
6**	17101.463	44.81	54.0	9.19	AV	189.00	400	Vertical	Pass

11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1628.283	39.70	74.0	34.30	Peak	122.00	100	Horizontal	Pass
1**	1628.283	32.65	54.0	21.35	AV	122.00	100	Horizontal	Pass
2	2768.243	43.81	74.0	30.19	Peak	324.00	400	Horizontal	Pass
2**	2768.243	34.10	54.0	19.90	AV	324.00	400	Horizontal	Pass
3	4258.912	48.18	74.0	25.83	Peak	350.00	200	Horizontal	Pass
3**	4258.912	38.55	54.0	15.45	AV	350.00	200	Horizontal	Pass
4	7421.344	55.01	74.0	18.99	Peak	9.00	200	Horizontal	Pass
4**	7421.344	46.49	54.0	7.51	AV	9.00	200	Horizontal	Pass
5	11744.873	51.81	74.0	22.19	Peak	267.00	200	Horizontal	Pass
5**	11744.873	43.02	54.0	10.98	AV	267.00	200	Horizontal	Pass
6	15982.449	54.03	74.0	19.97	Peak	306.00	400	Horizontal	Pass
6**	15982.449	43.01	54.0	10.99	AV	306.00	400	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.554	49.13	74.0	24.87	Peak	289.00	100	Vertical	Pass
1**	1163.554	34.82	54.0	19.19	AV	289.00	100	Vertical	Pass
2	1333.518	46.62	74.0	27.38	Peak	237.00	300	Vertical	Pass
2**	1333.518	37.97	54.0	16.03	AV	237.00	300	Vertical	Pass
3	4922.241	48.36	74.0	25.64	Peak	11.00	200	Vertical	Pass
3**	4922.241	38.85	54.0	15.15	AV	11.00	200	Vertical	Pass
4	7930.806	53.03	74.0	20.97	Peak	116.00	200	Vertical	Pass
4**	7930.806	43.52	54.0	10.48	AV	116.00	200	Vertical	Pass
5	12498.003	52.93	74.0	21.07	Peak	17.00	300	Vertical	Pass
5**	12498.003	43.74	54.0	10.26	AV	17.00	300	Vertical	Pass
6	17101.342	54.35	74.0	19.65	Peak	113.00	100	Vertical	Pass
6**	17101.342	44.80	54.0	9.21	AV	113.00	100	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.495	39.95	74.0	34.05	Peak	69.00	300	Horizontal	Pass
1**	1624.495	33.01	54.0	20.99	AV	69.00	300	Horizontal	Pass
2	2768.705	44.13	74.0	29.87	Peak	21.00	400	Horizontal	Pass
2**	2768.705	34.25	54.0	19.76	AV	21.00	400	Horizontal	Pass
3	4254.193	48.54	74.0	25.46	Peak	108.00	200	Horizontal	Pass
3**	4254.193	38.79	54.0	15.21	AV	108.00	200	Horizontal	Pass
4	7420.793	55.26	74.0	18.74	Peak	320.00	200	Horizontal	Pass
4**	7420.793	46.73	54.0	7.27	AV	320.00	200	Horizontal	Pass
5	11739.956	52.03	74.0	21.97	Peak	241.00	300	Horizontal	Pass
5**	11739.956	43.06	54.0	10.94	AV	241.00	300	Horizontal	Pass
6	15984.510	53.96	74.0	20.04	Peak	200.00	100	Horizontal	Pass
6**	15984.510	43.14	54.0	10.86	AV	200.00	100	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.520	49.06	74.0	24.94	Peak	138.00	100	Vertical	Pass
1**	1163.520	34.69	54.0	19.31	AV	138.00	100	Vertical	Pass
2	1339.391	46.38	74.0	27.62	Peak	267.00	400	Vertical	Pass
2**	1339.391	37.72	54.0	16.28	AV	267.00	400	Vertical	Pass
3	4920.478	48.23	74.0	25.77	Peak	199.00	200	Vertical	Pass
3**	4920.478	38.66	54.0	15.34	AV	199.00	200	Vertical	Pass
4	7936.845	52.92	74.0	21.08	Peak	35.00	100	Vertical	Pass
4**	7936.845	43.42	54.0	10.58	AV	35.00	100	Vertical	Pass
5	12495.219	52.70	74.0	21.30	Peak	91.00	300	Vertical	Pass
5**	12495.219	43.62	54.0	10.38	AV	91.00	300	Vertical	Pass
6	17103.192	54.13	74.0	19.87	Peak	355.00	400	Vertical	Pass
6**	17103.192	44.70	54.0	9.30	AV	355.00	400	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.637	39.69	74.0	34.32	Peak	204.00	200	Horizontal	Pass
1**	1624.637	32.68	54.0	21.32	AV	204.00	200	Horizontal	Pass
2	2772.233	43.98	74.0	30.02	Peak	22.00	300	Horizontal	Pass
2**	2772.233	34.27	54.0	19.73	AV	22.00	300	Horizontal	Pass
3	4256.516	48.42	74.0	25.58	Peak	123.00	200	Horizontal	Pass
3**	4256.516	38.60	54.0	15.40	AV	123.00	200	Horizontal	Pass
4	7418.997	54.89	74.0	19.11	Peak	198.00	100	Horizontal	Pass
4**	7418.997	46.40	54.0	7.60	AV	198.00	100	Horizontal	Pass
5	11739.080	51.99	74.0	22.01	Peak	104.00	100	Horizontal	Pass
5**	11739.080	43.08	54.0	10.92	AV	104.00	100	Horizontal	Pass
6	15981.715	54.02	74.0	19.98	Peak	331.00	300	Horizontal	Pass
6**	15981.715	42.99	54.0	11.02	AV	331.00	300	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.021	48.77	74.0	25.24	Peak	15.00	200	Vertical	Pass
1**	1159.021	34.51	54.0	19.49	AV	15.00	200	Vertical	Pass
2	1338.847	46.29	74.0	27.71	Peak	50.00	200	Vertical	Pass
2**	1338.847	37.48	54.0	16.52	AV	50.00	200	Vertical	Pass
3	4920.325	48.16	74.0	25.84	Peak	239.00	200	Vertical	Pass
3**	4920.325	38.58	54.0	15.42	AV	239.00	200	Vertical	Pass
4	7935.607	52.69	74.0	21.31	Peak	300.00	100	Vertical	Pass
4**	7935.607	43.32	54.0	10.68	AV	300.00	100	Vertical	Pass
5	12497.955	52.46	74.0	21.54	Peak	329.00	200	Vertical	Pass
5**	12497.955	43.51	54.0	10.49	AV	329.00	200	Vertical	Pass
6	17101.422	54.04	74.0	19.96	Peak	327.00	200	Vertical	Pass
6**	17101.422	44.69	54.0	9.31	AV	327.00	200	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1628.765	39.49	74.0	34.51	Peak	257.00	300	Horizontal	Pass
1**	1628.765	32.49	54.0	21.51	AV	257.00	300	Horizontal	Pass
2	2765.734	43.66	74.0	30.34	Peak	182.00	300	Horizontal	Pass
2**	2765.734	33.89	54.0	20.11	AV	182.00	300	Horizontal	Pass
3	4256.205	48.07	74.0	25.93	Peak	242.00	200	Horizontal	Pass
3**	4256.205	38.42	54.0	15.58	AV	242.00	200	Horizontal	Pass
4	7422.948	54.71	74.0	19.29	Peak	275.00	400	Horizontal	Pass
4**	7422.948	46.42	54.0	7.58	AV	275.00	400	Horizontal	Pass
5	11742.672	51.74	74.0	22.26	Peak	142.00	100	Horizontal	Pass
5**	11742.672	42.72	54.0	11.28	AV	142.00	100	Horizontal	Pass
6	15979.692	53.98	74.0	20.02	Peak	324.00	300	Horizontal	Pass
6**	15979.692	42.90	54.0	11.10	AV	324.00	300	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.842	48.68	74.0	25.32	Peak	40.00	400	Vertical	Pass
1**	1164.842	34.38	54.0	19.63	AV	40.00	400	Vertical	Pass
2	1338.236	46.07	74.0	27.93	Peak	210.00	300	Vertical	Pass
2**	1338.236	37.36	54.0	16.64	AV	210.00	300	Vertical	Pass
3	4921.139	47.96	74.0	26.05	Peak	240.00	200	Vertical	Pass
3**	4921.139	38.39	54.0	15.61	AV	240.00	200	Vertical	Pass
4	7930.149	52.55	74.0	21.45	Peak	187.00	400	Vertical	Pass
4**	7930.149	43.14	54.0	10.86	AV	187.00	400	Vertical	Pass
5	12493.201	52.25	74.0	21.76	Peak	61.00	200	Vertical	Pass
5**	12493.201	43.27	54.0	10.73	AV	61.00	200	Vertical	Pass
6	17105.023	53.79	74.0	20.21	Peak	123.00	100	Vertical	Pass
6**	17105.023	44.59	54.0	9.41	AV	123.00	100	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1627.144	39.82	74.0	34.19	Peak	211.00	300	Horizontal	Pass
1**	1627.144	32.84	54.0	21.16	AV	211.00	300	Horizontal	Pass
2	2771.994	44.15	74.0	29.85	Peak	93.00	400	Horizontal	Pass
2**	2771.994	34.31	54.0	19.69	AV	93.00	400	Horizontal	Pass
3	4253.012	48.44	74.0	25.56	Peak	96.00	200	Horizontal	Pass
3**	4253.012	38.89	54.0	15.11	AV	96.00	200	Horizontal	Pass
4	7421.574	55.08	74.0	18.92	Peak	324.00	100	Horizontal	Pass
4**	7421.574	46.61	54.0	7.39	AV	324.00	100	Horizontal	Pass
5	11744.771	51.94	74.0	22.06	Peak	34.00	100	Horizontal	Pass
5**	11744.771	43.00	54.0	11.00	AV	34.00	100	Horizontal	Pass
6	15981.182	53.78	74.0	20.22	Peak	10.00	200	Horizontal	Pass
6**	15981.182	43.26	54.0	10.74	AV	10.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.099	48.15	74.0	25.85	Peak	270.00	300	Vertical	Pass
1**	1158.099	33.94	54.0	20.07	AV	270.00	300	Vertical	Pass
2	1334.517	45.73	74.0	28.27	Peak	81.00	200	Vertical	Pass
2**	1334.517	36.73	54.0	17.27	AV	81.00	200	Vertical	Pass
3	4923.962	47.31	74.0	26.69	Peak	210.00	200	Vertical	Pass
3**	4923.962	37.69	54.0	16.31	AV	210.00	200	Vertical	Pass
4	7931.374	52.13	74.0	21.87	Peak	67.00	300	Vertical	Pass
4**	7931.374	42.61	54.0	11.40	AV	67.00	300	Vertical	Pass
5	12492.896	51.84	74.0	22.16	Peak	232.00	300	Vertical	Pass
5**	12492.896	42.95	54.0	11.05	AV	232.00	300	Vertical	Pass
6	17102.083	53.36	74.0	20.64	Peak	222.00	300	Vertical	Pass
6**	17102.083	44.14	54.0	9.86	AV	222.00	300	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.481	39.74	74.0	34.26	Peak	34.00	400	Horizontal	Pass
1**	1624.481	32.63	54.0	21.37	AV	34.00	400	Horizontal	Pass
2	2768.629	43.98	74.0	30.02	Peak	149.00	200	Horizontal	Pass
2**	2768.629	34.13	54.0	19.87	AV	149.00	200	Horizontal	Pass
3	4259.565	48.36	74.0	25.64	Peak	212.00	200	Horizontal	Pass
3**	4259.565	38.32	54.0	15.68	AV	212.00	200	Horizontal	Pass
4	7421.510	54.92	74.0	19.08	Peak	225.00	400	Horizontal	Pass
4**	7421.510	46.59	54.0	7.42	AV	225.00	400	Horizontal	Pass
5	11743.263	51.93	74.0	22.07	Peak	264.00	400	Horizontal	Pass
5**	11743.263	42.81	54.0	11.19	AV	264.00	400	Horizontal	Pass
6	15983.345	53.96	74.0	20.04	Peak	251.00	200	Horizontal	Pass
6**	15983.345	43.23	54.0	10.77	AV	251.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.812	47.87	74.0	26.13	Peak	146.00	100	Vertical	Pass
1**	1161.812	33.66	54.0	20.34	AV	146.00	100	Vertical	Pass
2	1336.857	45.68	74.0	28.32	Peak	305.00	300	Vertical	Pass
2**	1336.857	36.65	54.0	17.35	AV	305.00	300	Vertical	Pass
3	4925.875	47.19	74.0	26.82	Peak	235.00	200	Vertical	Pass
3**	4925.875	37.55	54.0	16.45	AV	235.00	200	Vertical	Pass
4	7929.984	52.00	74.0	22.00	Peak	181.00	100	Vertical	Pass
4**	7929.984	42.47	54.0	11.53	AV	181.00	100	Vertical	Pass
5	12497.156	51.61	74.0	22.39	Peak	278.00	300	Vertical	Pass
5**	12497.156	42.66	54.0	11.34	AV	278.00	300	Vertical	Pass
6	17104.134	53.21	74.0	20.79	Peak	204.00	400	Vertical	Pass
6**	17104.134	44.07	54.0	9.93	AV	204.00	400	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.890	39.52	74.0	34.48	Peak	79.00	100	Horizontal	Pass
1**	1623.890	32.48	54.0	21.52	AV	79.00	100	Horizontal	Pass
2	2772.667	43.56	74.0	30.45	Peak	69.00	400	Horizontal	Pass
2**	2772.667	33.99	54.0	20.01	AV	69.00	400	Horizontal	Pass
3	4253.705	47.88	74.0	26.12	Peak	10.00	200	Horizontal	Pass
3**	4253.705	38.46	54.0	15.54	AV	10.00	200	Horizontal	Pass
4	7424.167	54.89	74.0	19.11	Peak	185.00	100	Horizontal	Pass
4**	7424.167	46.33	54.0	7.67	AV	185.00	100	Horizontal	Pass
5	11737.777	51.57	74.0	22.43	Peak	302.00	100	Horizontal	Pass
5**	11737.777	42.78	54.0	11.22	AV	302.00	100	Horizontal	Pass
6	15984.425	54.01	74.0	19.99	Peak	285.00	200	Horizontal	Pass
6**	15984.425	42.91	54.0	11.09	AV	285.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1160.170	47.59	74.0	26.41	Peak	220.00	100	Vertical	Pass
1**	1160.170	33.50	54.0	20.50	AV	220.00	100	Vertical	Pass
2	1339.072	45.39	74.0	28.61	Peak	214.00	300	Vertical	Pass
2**	1339.072	36.64	54.0	17.36	AV	214.00	300	Vertical	Pass
3	4927.228	46.90	74.0	27.10	Peak	274.00	200	Vertical	Pass
3**	4927.228	37.34	54.0	16.66	AV	274.00	200	Vertical	Pass
4	7929.738	51.93	74.0	22.07	Peak	68.00	100	Vertical	Pass
4**	7929.738	42.31	54.0	11.69	AV	68.00	100	Vertical	Pass
5	12492.164	51.39	74.0	22.61	Peak	105.00	300	Vertical	Pass
5**	12492.164	42.38	54.0	11.62	AV	105.00	300	Vertical	Pass
6	17103.106	53.16	74.0	20.84	Peak	247.00	200	Vertical	Pass
6**	17103.106	43.82	54.0	10.18	AV	247.00	200	Vertical	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1629.223	39.84	74.0	34.16	Peak	160.00	400	Horizontal	Pass
1**	1629.223	32.78	54.0	21.22	AV	160.00	400	Horizontal	Pass
2	2771.297	44.02	74.0	29.99	Peak	237.00	200	Horizontal	Pass
2**	2771.297	34.14	54.0	19.86	AV	237.00	200	Horizontal	Pass
3	4254.660	48.52	74.0	25.48	Peak	68.00	200	Horizontal	Pass
3**	4254.660	38.49	54.0	15.51	AV	68.00	200	Horizontal	Pass
4	7425.010	55.03	74.0	18.97	Peak	109.00	100	Horizontal	Pass
4**	7425.010	46.45	54.0	7.55	AV	109.00	100	Horizontal	Pass
5	11739.447	51.87	74.0	22.14	Peak	75.00	200	Horizontal	Pass
5**	11739.447	42.97	54.0	11.03	AV	75.00	200	Horizontal	Pass
6	15980.030	53.76	74.0	20.24	Peak	149.00	100	Horizontal	Pass
6**	15980.030	43.11	54.0	10.90	AV	149.00	100	Horizontal	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.007	48.86	74.0	25.14	Peak	24.00	200	Vertical	Pass
1**	1158.007	34.61	54.0	19.40	AV	24.00	200	Vertical	Pass
2	1333.765	46.18	74.0	27.82	Peak	85.00	300	Vertical	Pass
2**	1333.765	37.46	54.0	16.54	AV	85.00	300	Vertical	Pass
3	4923.343	48.14	74.0	25.86	Peak	320.00	200	Vertical	Pass
3**	4923.343	38.36	54.0	15.64	AV	320.00	200	Vertical	Pass
4	7935.575	52.80	74.0	21.20	Peak	168.00	200	Vertical	Pass
4**	7935.575	43.24	54.0	10.76	AV	168.00	200	Vertical	Pass
5	12495.754	52.41	74.0	21.59	Peak	296.00	400	Vertical	Pass
5**	12495.754	43.61	54.0	10.39	AV	296.00	400	Vertical	Pass
6	17102.230	53.99	74.0	20.01	Peak	149.00	200	Vertical	Pass
6**	17102.230	44.64	54.0	9.36	AV	149.00	200	Vertical	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.789	39.95	74.0	34.05	Peak	134.00	200	Horizontal	Pass
1**	1622.789	32.80	54.0	21.20	AV	134.00	200	Horizontal	Pass
2	2771.583	44.10	74.0	29.90	Peak	154.00	200	Horizontal	Pass
2**	2771.583	34.39	54.0	19.62	AV	154.00	200	Horizontal	Pass
3	4258.978	48.58	74.0	25.42	Peak	341.00	200	Horizontal	Pass
3**	4258.978	38.73	54.0	15.28	AV	341.00	200	Horizontal	Pass
4	7425.394	55.03	74.0	18.97	Peak	267.00	300	Horizontal	Pass
4**	7425.394	46.73	54.0	7.27	AV	267.00	300	Horizontal	Pass
5	11742.783	52.12	74.0	21.88	Peak	339.00	400	Horizontal	Pass
5**	11742.783	42.92	54.0	11.08	AV	339.00	400	Horizontal	Pass
6	15986.323	53.95	74.0	20.05	Peak	57.00	300	Horizontal	Pass
6**	15986.323	43.08	54.0	10.92	AV	57.00	300	Horizontal	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.040	49.49	74.0	24.52	Peak	146.00	400	Vertical	Pass
1**	1159.040	34.80	54.0	19.20	AV	146.00	400	Vertical	Pass
2	1333.478	46.83	74.0	27.17	Peak	150.00	100	Vertical	Pass
2**	1333.478	38.51	54.0	15.49	AV	150.00	100	Vertical	Pass
3	4923.024	48.29	74.0	25.71	Peak	245.00	200	Vertical	Pass
3**	4923.024	38.94	54.0	15.06	AV	245.00	200	Vertical	Pass
4	7936.426	53.34	74.0	20.66	Peak	299.00	200	Vertical	Pass
4**	7936.426	43.53	54.0	10.47	AV	299.00	200	Vertical	Pass
5	12498.892	53.12	74.0	20.88	Peak	346.00	100	Vertical	Pass
5**	12498.892	43.78	54.0	10.22	AV	346.00	100	Vertical	Pass
6	17099.695	54.40	74.0	19.61	Peak	145.00	100	Vertical	Pass
6**	17099.695	44.71	54.0	9.30	AV	145.00	100	Vertical	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

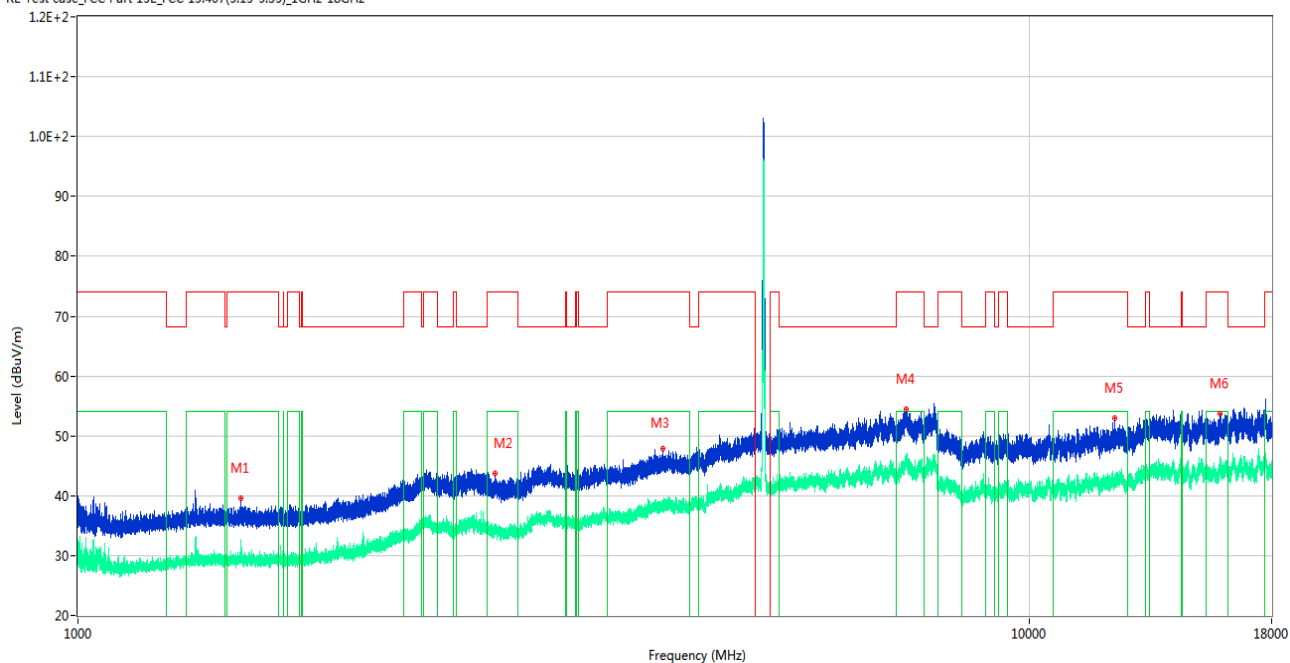
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.776	39.64	74.0	34.36	Peak	179.00	400	Horizontal	Pass
1**	1623.776	32.90	54.0	21.10	AV	179.00	400	Horizontal	Pass
2	2769.426	44.04	74.0	29.96	Peak	246.00	100	Horizontal	Pass
2**	2769.426	34.11	54.0	19.89	AV	246.00	100	Horizontal	Pass
3	4253.173	48.45	74.0	25.55	Peak	46.00	200	Horizontal	Pass
3**	4253.173	38.45	54.0	15.55	AV	46.00	200	Horizontal	Pass
4	7418.517	54.87	74.0	19.13	Peak	256.00	300	Horizontal	Pass
4**	7418.517	46.51	54.0	7.49	AV	256.00	300	Horizontal	Pass
5	11741.239	51.91	74.0	22.09	Peak	72.00	400	Horizontal	Pass
5**	11741.239	43.02	54.0	10.98	AV	72.00	400	Horizontal	Pass
6	15979.647	53.83	74.0	20.18	Peak	311.00	400	Horizontal	Pass
6**	15979.647	43.04	54.0	10.96	AV	311.00	400	Horizontal	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.702	49.13	74.0	24.87	Peak	218.00	300	Vertical	Pass
1**	1163.702	34.90	54.0	19.10	AV	218.00	300	Vertical	Pass
2	1337.389	46.54	74.0	27.46	Peak	30.00	100	Vertical	Pass
2**	1337.389	38.14	54.0	15.86	AV	30.00	100	Vertical	Pass
3	4923.839	48.33	74.0	25.67	Peak	203.00	200	Vertical	Pass
3**	4923.839	38.63	54.0	15.37	AV	203.00	200	Vertical	Pass
4	7930.201	53.01	74.0	20.99	Peak	12.00	300	Vertical	Pass
4**	7930.201	43.26	54.0	10.74	AV	12.00	300	Vertical	Pass
5	12496.844	53.15	74.0	20.85	Peak	10.00	400	Vertical	Pass
5**	12496.844	43.69	54.0	10.31	AV	10.00	400	Vertical	Pass
6	17098.413	54.20	74.0	19.80	Peak	164.00	300	Vertical	Pass
6**	17098.413	44.64	54.0	9.36	AV	164.00	300	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.099	39.73	74.0	34.27	Peak	339.00	100	Horizontal	Pass
1**	1486.099	32.42	54.0	21.58	AV	339.00	100	Horizontal	Pass
2	2742.994	43.70	74.0	30.30	Peak	88.00	200	Horizontal	Pass
2**	2742.994	35.45	54.0	18.55	AV	88.00	200	Horizontal	Pass
3	4113.935	48.07	74.0	25.93	Peak	95.00	200	Horizontal	Pass
3**	4113.935	38.71	54.0	15.29	AV	95.00	200	Horizontal	Pass
4	7431.509	54.66	74.0	19.34	Peak	120.00	300	Horizontal	Pass
4**	7431.509	46.06	54.0	7.95	AV	120.00	300	Horizontal	Pass
5	12300.788	53.05	74.0	20.95	Peak	189.00	300	Horizontal	Pass
5**	12300.788	42.73	54.0	11.27	AV	189.00	300	Horizontal	Pass
6	15898.044	53.98	74.0	20.03	Peak	206.00	300	Horizontal	Pass
6**	15898.044	45.17	54.0	8.83	AV	206.00	300	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.101	49.61	74.0	24.39	Peak	253.00	400	Vertical	Pass
1**	1162.101	35.15	54.0	18.85	AV	253.00	400	Vertical	Pass
2	1336.284	47.07	74.0	26.93	Peak	21.00	300	Vertical	Pass
2**	1336.284	38.35	54.0	15.65	AV	21.00	300	Vertical	Pass
3	4920.292	48.63	74.0	25.37	Peak	225.00	200	Vertical	Pass
3**	4920.292	39.22	54.0	14.78	AV	225.00	200	Vertical	Pass
4	7934.299	53.14	74.0	20.86	Peak	212.00	300	Vertical	Pass
4**	7934.299	43.85	54.0	10.15	AV	212.00	300	Vertical	Pass
5	12492.810	53.36	74.0	20.64	Peak	71.00	200	Vertical	Pass
5**	12492.810	43.61	54.0	10.39	AV	71.00	200	Vertical	Pass
6	17099.890	54.47	74.0	19.53	Peak	62.00	400	Vertical	Pass
6**	17099.890	43.75	54.0	10.25	AV	62.00	400	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.564	39.54	74.0	34.46	Peak	57.00	400	Horizontal	Pass
1**	1485.564	32.41	54.0	21.60	AV	57.00	400	Horizontal	Pass
2	2746.530	43.40	74.0	30.60	Peak	308.00	100	Horizontal	Pass
2**	2746.530	35.32	54.0	18.69	AV	308.00	100	Horizontal	Pass
3	4117.290	48.05	74.0	25.95	Peak	315.00	200	Horizontal	Pass
3**	4117.290	38.59	54.0	15.42	AV	315.00	200	Horizontal	Pass
4	7438.262	54.38	74.0	19.62	Peak	183.00	100	Horizontal	Pass
4**	7438.262	45.77	54.0	8.23	AV	183.00	100	Horizontal	Pass
5	12298.883	52.81	74.0	21.19	Peak	211.00	300	Horizontal	Pass
5**	12298.883	42.46	54.0	11.54	AV	211.00	300	Horizontal	Pass
6	15902.906	53.89	74.0	20.11	Peak	0.00	200	Horizontal	Pass
6**	15902.906	45.08	54.0	8.92	AV	0.00	200	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.523	49.48	74.0	24.52	Peak	170.00	300	Vertical	Pass
1**	1162.523	35.03	54.0	18.97	AV	170.00	300	Vertical	Pass
2	1335.604	46.88	74.0	27.12	Peak	190.00	100	Vertical	Pass
2**	1335.604	38.24	54.0	15.77	AV	190.00	100	Vertical	Pass
3	4925.171	48.62	74.0	25.38	Peak	89.00	200	Vertical	Pass
3**	4925.171	39.00	54.0	15.00	AV	89.00	200	Vertical	Pass
4	7930.844	53.02	74.0	20.98	Peak	227.00	200	Vertical	Pass
4**	7930.844	43.57	54.0	10.43	AV	227.00	200	Vertical	Pass
5	12493.318	53.27	74.0	20.73	Peak	284.00	100	Vertical	Pass
5**	12493.318	43.32	54.0	10.69	AV	284.00	100	Vertical	Pass
6	17099.243	54.27	74.0	19.74	Peak	0.00	200	Vertical	Pass
6**	17099.243	43.67	54.0	10.33	AV	0.00	200	Vertical	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.999	39.43	74.0	34.57	Peak	358.00	400	Horizontal	Pass
1**	1485.999	32.31	54.0	21.69	AV	358.00	400	Horizontal	Pass
2	2745.855	43.38	74.0	30.62	Peak	252.00	100	Horizontal	Pass
2**	2745.855	35.04	54.0	18.97	AV	252.00	100	Horizontal	Pass
3	4116.450	47.83	74.0	26.17	Peak	333.00	200	Horizontal	Pass
3**	4116.450	38.30	54.0	15.70	AV	333.00	200	Horizontal	Pass
4	7438.816	54.35	74.0	19.65	Peak	241.00	400	Horizontal	Pass
4**	7438.816	45.50	54.0	8.50	AV	241.00	400	Horizontal	Pass
5	12302.146	52.69	74.0	21.31	Peak	273.00	400	Horizontal	Pass
5**	12302.146	42.36	54.0	11.64	AV	273.00	400	Horizontal	Pass
6	15903.056	53.60	74.0	20.40	Peak	171.00	200	Horizontal	Pass
6**	15903.056	44.80	54.0	9.20	AV	171.00	200	Horizontal	Pass

11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.511	49.47	74.0	24.53	Peak	98.00	400	Vertical	Pass
1**	1163.511	34.77	54.0	19.24	AV	98.00	400	Vertical	Pass
2	1338.546	46.75	74.0	27.25	Peak	293.00	400	Vertical	Pass
2**	1338.546	38.04	54.0	15.96	AV	293.00	400	Vertical	Pass
3	4924.939	48.44	74.0	25.57	Peak	194.00	200	Vertical	Pass
3**	4924.939	38.98	54.0	15.02	AV	194.00	200	Vertical	Pass
4	7932.288	52.78	74.0	21.22	Peak	166.00	300	Vertical	Pass
4**	7932.288	43.53	54.0	10.47	AV	166.00	300	Vertical	Pass
5	12498.550	53.15	74.0	20.85	Peak	97.00	100	Vertical	Pass
5**	12498.550	43.22	54.0	10.78	AV	97.00	100	Vertical	Pass
6	17103.224	54.16	74.0	19.85	Peak	274.00	200	Vertical	Pass
6**	17103.224	43.58	54.0	10.42	AV	274.00	200	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.005	39.18	74.0	34.82	Peak	19.00	300	Horizontal	Pass
1**	1482.005	32.26	54.0	21.74	AV	19.00	300	Horizontal	Pass
2	2746.588	43.14	74.0	30.86	Peak	295.00	300	Horizontal	Pass
2**	2746.588	34.83	54.0	19.17	AV	295.00	300	Horizontal	Pass
3	4117.213	47.82	74.0	26.18	Peak	269.00	200	Horizontal	Pass
3**	4117.213	38.05	54.0	15.95	AV	269.00	200	Horizontal	Pass
4	7435.984	54.17	74.0	19.83	Peak	167.00	100	Horizontal	Pass
4**	7435.984	45.49	54.0	8.51	AV	167.00	100	Horizontal	Pass
5	12305.500	52.39	74.0	21.61	Peak	251.00	200	Horizontal	Pass
5**	12305.500	42.29	54.0	11.71	AV	251.00	200	Horizontal	Pass
6	15902.493	53.31	74.0	20.69	Peak	15.00	300	Horizontal	Pass
6**	15902.493	44.78	54.0	9.22	AV	15.00	300	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.703	49.35	74.0	24.65	Peak	144.00	200	Vertical	Pass
1**	1162.703	34.60	54.0	19.40	AV	144.00	200	Vertical	Pass
2	1333.432	46.60	74.0	27.40	Peak	79.00	100	Vertical	Pass
2**	1333.432	37.90	54.0	16.10	AV	79.00	100	Vertical	Pass
3	4922.959	48.17	74.0	25.83	Peak	58.00	200	Vertical	Pass
3**	4922.959	38.90	54.0	15.10	AV	58.00	200	Vertical	Pass
4	7936.402	52.55	74.0	21.45	Peak	156.00	100	Vertical	Pass
4**	7936.402	43.29	54.0	10.71	AV	156.00	100	Vertical	Pass
5	12493.018	52.93	74.0	21.07	Peak	163.00	300	Vertical	Pass
5**	12493.018	43.03	54.0	10.97	AV	163.00	300	Vertical	Pass
6	17100.559	54.09	74.0	19.91	Peak	239.00	200	Vertical	Pass
6**	17100.559	43.41	54.0	10.59	AV	239.00	200	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.902	39.62	74.0	34.39	Peak	322.00	400	Horizontal	Pass
1**	1482.902	32.36	54.0	21.64	AV	322.00	400	Horizontal	Pass
2	2740.830	43.48	74.0	30.52	Peak	85.00	300	Horizontal	Pass
2**	2740.830	35.39	54.0	18.62	AV	85.00	300	Horizontal	Pass
3	4115.907	47.97	74.0	26.03	Peak	312.00	200	Horizontal	Pass
3**	4115.907	38.41	54.0	15.59	AV	312.00	200	Horizontal	Pass
4	7432.366	54.44	74.0	19.56	Peak	276.00	100	Horizontal	Pass
4**	7432.366	45.86	54.0	8.14	AV	276.00	100	Horizontal	Pass
5	12299.308	52.89	74.0	21.11	Peak	101.00	300	Horizontal	Pass
5**	12299.308	42.46	54.0	11.54	AV	101.00	300	Horizontal	Pass
6	15897.040	53.91	74.0	20.09	Peak	203.00	200	Horizontal	Pass
6**	15897.040	45.02	54.0	8.98	AV	203.00	200	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.794	49.34	74.0	24.66	Peak	123.00	400	Vertical	Pass
1**	1156.794	34.98	54.0	19.02	AV	123.00	400	Vertical	Pass
2	1340.609	47.00	74.0	27.00	Peak	172.00	100	Vertical	Pass
2**	1340.609	38.11	54.0	15.90	AV	172.00	100	Vertical	Pass
3	4923.798	48.57	74.0	25.43	Peak	90.00	200	Vertical	Pass
3**	4923.798	39.10	54.0	14.90	AV	90.00	200	Vertical	Pass
4	7935.172	52.89	74.0	21.11	Peak	187.00	100	Vertical	Pass
4**	7935.172	43.67	54.0	10.33	AV	187.00	100	Vertical	Pass
5	12495.703	53.36	74.0	20.64	Peak	255.00	100	Vertical	Pass
5**	12495.703	43.60	54.0	10.40	AV	255.00	100	Vertical	Pass
6	17100.331	54.22	74.0	19.79	Peak	257.00	300	Vertical	Pass
6**	17100.331	43.56	54.0	10.44	AV	257.00	300	Vertical	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.777	39.25	74.0	34.75	Peak	277.00	100	Horizontal	Pass
1**	1485.777	32.11	54.0	21.89	AV	277.00	100	Horizontal	Pass
2	2741.015	43.24	74.0	30.76	Peak	304.00	400	Horizontal	Pass
2**	2741.015	35.06	54.0	18.94	AV	304.00	400	Horizontal	Pass
3	4119.729	47.82	74.0	26.18	Peak	275.00	200	Horizontal	Pass
3**	4119.729	38.37	54.0	15.63	AV	275.00	200	Horizontal	Pass
4	7439.113	54.38	74.0	19.62	Peak	330.00	400	Horizontal	Pass
4**	7439.113	45.74	54.0	8.26	AV	330.00	400	Horizontal	Pass
5	12304.251	52.64	74.0	21.37	Peak	7.00	300	Horizontal	Pass
5**	12304.251	42.37	54.0	11.63	AV	7.00	300	Horizontal	Pass
6	15896.532	53.83	74.0	20.18	Peak	100.00	400	Horizontal	Pass
6**	15896.532	45.06	54.0	8.94	AV	100.00	400	Horizontal	Pass

11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.458	49.23	74.0	24.77	Peak	109.00	400	Vertical	Pass
1**	1161.458	34.96	54.0	19.04	AV	109.00	400	Vertical	Pass
2	1333.259	46.81	74.0	27.19	Peak	142.00	100	Vertical	Pass
2**	1333.259	37.94	54.0	16.06	AV	142.00	100	Vertical	Pass
3	4920.469	48.50	74.0	25.50	Peak	66.00	200	Vertical	Pass
3**	4920.469	38.94	54.0	15.06	AV	66.00	200	Vertical	Pass
4	7932.076	52.78	74.0	21.22	Peak	47.00	200	Vertical	Pass
4**	7932.076	43.40	54.0	10.60	AV	47.00	200	Vertical	Pass
5	12497.294	53.20	74.0	20.80	Peak	199.00	300	Vertical	Pass
5**	12497.294	43.13	54.0	10.87	AV	199.00	300	Vertical	Pass
6	17100.373	54.17	74.0	19.83	Peak	25.00	200	Vertical	Pass
6**	17100.373	43.63	54.0	10.37	AV	25.00	200	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.368	39.34	74.0	34.66	Peak	25.00	100	Horizontal	Pass
1**	1486.368	32.38	54.0	21.62	AV	25.00	100	Horizontal	Pass
2	2744.902	43.40	74.0	30.60	Peak	150.00	200	Horizontal	Pass
2**	2744.902	35.04	54.0	18.97	AV	150.00	200	Horizontal	Pass
3	4119.179	47.93	74.0	26.07	Peak	338.00	200	Horizontal	Pass
3**	4119.179	38.50	54.0	15.50	AV	338.00	200	Horizontal	Pass
4	7433.484	54.32	74.0	19.68	Peak	74.00	300	Horizontal	Pass
4**	7433.484	45.69	54.0	8.31	AV	74.00	300	Horizontal	Pass
5	12299.829	52.77	74.0	21.23	Peak	10.00	200	Horizontal	Pass
5**	12299.829	42.32	54.0	11.68	AV	10.00	200	Horizontal	Pass
6	15898.614	53.88	74.0	20.12	Peak	237.00	300	Horizontal	Pass
6**	15898.614	44.84	54.0	9.16	AV	237.00	300	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.537	49.09	74.0	24.91	Peak	31.00	100	Vertical	Pass
1**	1161.537	34.94	54.0	19.06	AV	31.00	100	Vertical	Pass
2	1337.252	46.71	74.0	27.29	Peak	129.00	300	Vertical	Pass
2**	1337.252	38.03	54.0	15.97	AV	129.00	300	Vertical	Pass
3	4926.377	48.40	74.0	25.60	Peak	296.00	200	Vertical	Pass
3**	4926.377	38.89	54.0	15.11	AV	296.00	200	Vertical	Pass
4	7932.992	52.61	74.0	21.40	Peak	136.00	400	Vertical	Pass
4**	7932.992	43.59	54.0	10.41	AV	136.00	400	Vertical	Pass
5	12499.384	53.23	74.0	20.78	Peak	4.00	300	Vertical	Pass
5**	12499.384	43.31	54.0	10.69	AV	4.00	300	Vertical	Pass
6	17100.234	53.96	74.0	20.04	Peak	61.00	300	Vertical	Pass
6**	17100.234	43.46	54.0	10.54	AV	61.00	300	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.656	39.33	74.0	34.67	Peak	294.00	100	Horizontal	Pass
1**	1484.656	32.20	54.0	21.80	AV	294.00	100	Horizontal	Pass
2	2744.951	43.25	74.0	30.75	Peak	151.00	400	Horizontal	Pass
2**	2744.951	34.91	54.0	19.09	AV	151.00	400	Horizontal	Pass
3	4115.658	47.79	74.0	26.21	Peak	270.00	200	Horizontal	Pass
3**	4115.658	38.23	54.0	15.77	AV	270.00	200	Horizontal	Pass
4	7434.288	54.12	74.0	19.89	Peak	133.00	200	Horizontal	Pass
4**	7434.288	45.44	54.0	8.56	AV	133.00	200	Horizontal	Pass
5	12300.947	52.43	74.0	21.57	Peak	256.00	100	Horizontal	Pass
5**	12300.947	42.07	54.0	11.93	AV	256.00	100	Horizontal	Pass
6	15898.419	53.59	74.0	20.41	Peak	135.00	100	Horizontal	Pass
6**	15898.419	44.70	54.0	9.30	AV	135.00	100	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.217	49.19	74.0	24.81	Peak	253.00	200	Vertical	Pass
1**	1157.217	34.78	54.0	19.22	AV	253.00	200	Vertical	Pass
2	1336.692	46.70	74.0	27.30	Peak	210.00	100	Vertical	Pass
2**	1336.692	37.69	54.0	16.32	AV	210.00	100	Vertical	Pass
3	4922.285	48.42	74.0	25.58	Peak	34.00	200	Vertical	Pass
3**	4922.285	38.80	54.0	15.20	AV	34.00	200	Vertical	Pass
4	7932.117	52.76	74.0	21.24	Peak	137.00	300	Vertical	Pass
4**	7932.117	43.12	54.0	10.88	AV	137.00	300	Vertical	Pass
5	12498.003	53.04	74.0	20.97	Peak	308.00	200	Vertical	Pass
5**	12498.003	42.88	54.0	11.12	AV	308.00	200	Vertical	Pass
6	17102.564	53.99	74.0	20.01	Peak	180.00	400	Vertical	Pass
6**	17102.564	43.45	54.0	10.56	AV	180.00	400	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.142	39.11	74.0	34.89	Peak	205.00	100	Horizontal	Pass
1**	1488.142	32.16	54.0	21.84	AV	205.00	100	Horizontal	Pass
2	2740.185	42.95	74.0	31.05	Peak	30.00	100	Horizontal	Pass
2**	2740.185	34.78	54.0	19.22	AV	30.00	100	Horizontal	Pass
3	4120.896	47.66	74.0	26.34	Peak	62.00	200	Horizontal	Pass
3**	4120.896	37.91	54.0	16.09	AV	62.00	200	Horizontal	Pass
4	7436.611	53.96	74.0	20.04	Peak	141.00	400	Horizontal	Pass
4**	7436.611	45.42	54.0	8.58	AV	141.00	400	Horizontal	Pass
5	12298.502	52.33	74.0	21.67	Peak	166.00	300	Horizontal	Pass
5**	12298.502	42.18	54.0	11.82	AV	166.00	300	Horizontal	Pass
6	15896.579	53.11	74.0	20.89	Peak	355.00	200	Horizontal	Pass
6**	15896.579	44.59	54.0	9.41	AV	355.00	200	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1159.013	49.12	74.0	24.88	Peak	86.00	400	Vertical	Pass
1**	1159.013	34.31	54.0	19.69	AV	86.00	400	Vertical	Pass
2	1333.964	46.33	74.0	27.67	Peak	215.00	300	Vertical	Pass
2**	1333.964	37.76	54.0	16.24	AV	215.00	300	Vertical	Pass
3	4926.906	48.18	74.0	25.82	Peak	236.00	200	Vertical	Pass
3**	4926.906	38.73	54.0	15.27	AV	236.00	200	Vertical	Pass
4	7934.204	52.57	74.0	21.44	Peak	107.00	400	Vertical	Pass
4**	7934.204	43.14	54.0	10.87	AV	107.00	400	Vertical	Pass
5	12495.044	52.74	74.0	21.27	Peak	32.00	300	Vertical	Pass
5**	12495.044	43.15	54.0	10.85	AV	32.00	300	Vertical	Pass
6	17102.982	53.86	74.0	20.14	Peak	276.00	200	Vertical	Pass
6**	17102.982	43.28	54.0	10.72	AV	276.00	200	Vertical	Pass

11ax20(SU), U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.971	39.37	74.0	34.63	Peak	51.00	200	Horizontal	Pass
1**	1488.971	31.92	54.0	22.08	AV	51.00	200	Horizontal	Pass
2	2739.735	43.24	74.0	30.77	Peak	327.00	300	Horizontal	Pass
2**	2739.735	35.35	54.0	18.65	AV	327.00	300	Horizontal	Pass
3	4116.947	47.67	74.0	26.33	Peak	156.00	200	Horizontal	Pass
3**	4116.947	38.69	54.0	15.31	AV	156.00	200	Horizontal	Pass
4	7431.475	54.32	74.0	19.68	Peak	238.00	200	Horizontal	Pass
4**	7431.475	45.79	54.0	8.22	AV	238.00	200	Horizontal	Pass
5	12298.917	52.97	74.0	21.03	Peak	350.00	300	Horizontal	Pass
5**	12298.917	42.59	54.0	11.42	AV	350.00	300	Horizontal	Pass
6	15901.497	53.79	74.0	20.22	Peak	303.00	200	Horizontal	Pass
6**	15901.497	44.68	54.0	9.32	AV	303.00	200	Horizontal	Pass

11ax20(SU), U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.394	49.10	74.0	24.90	Peak	129.00	400	Vertical	Pass
1**	1157.394	34.08	54.0	19.92	AV	129.00	400	Vertical	Pass
2	1339.784	46.18	74.0	27.82	Peak	299.00	200	Vertical	Pass
2**	1339.784	37.53	54.0	16.47	AV	299.00	200	Vertical	Pass
3	4920.218	47.94	74.0	26.06	Peak	78.00	200	Vertical	Pass
3**	4920.218	38.51	54.0	15.49	AV	78.00	200	Vertical	Pass
4	7933.378	52.31	74.0	21.69	Peak	113.00	400	Vertical	Pass
4**	7933.378	42.92	54.0	11.08	AV	113.00	400	Vertical	Pass
5	12494.812	52.46	74.0	21.54	Peak	272.00	200	Vertical	Pass
5**	12494.812	42.89	54.0	11.11	AV	272.00	200	Vertical	Pass
6	17101.353	53.81	74.0	20.19	Peak	305.00	400	Vertical	Pass
6**	17101.353	42.98	54.0	11.02	AV	305.00	400	Vertical	Pass

11ax20(SU), U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.583	39.52	74.0	34.48	Peak	153.00	400	Horizontal	Pass
1**	1482.583	32.15	54.0	21.85	AV	153.00	400	Horizontal	Pass
2	2739.205	43.41	74.0	30.59	Peak	174.00	200	Horizontal	Pass
2**	2739.205	35.22	54.0	18.78	AV	174.00	200	Horizontal	Pass
3	4115.697	47.78	74.0	26.23	Peak	53.00	200	Horizontal	Pass
3**	4115.697	38.50	54.0	15.50	AV	53.00	200	Horizontal	Pass
4	7431.382	54.39	74.0	19.61	Peak	141.00	300	Horizontal	Pass
4**	7431.382	46.03	54.0	7.97	AV	141.00	300	Horizontal	Pass
5	12302.623	52.84	74.0	21.16	Peak	170.00	200	Horizontal	Pass
5**	12302.623	42.56	54.0	11.44	AV	170.00	200	Horizontal	Pass
6	15897.201	53.94	74.0	20.06	Peak	226.00	100	Horizontal	Pass
6**	15897.201	45.15	54.0	8.85	AV	226.00	100	Horizontal	Pass

11ax20(SU), U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.807	49.51	74.0	24.49	Peak	9.00	200	Vertical	Pass
1**	1161.807	35.01	54.0	18.99	AV	9.00	200	Vertical	Pass
2	1337.931	46.96	74.0	27.04	Peak	7.00	300	Vertical	Pass
2**	1337.931	38.21	54.0	15.80	AV	7.00	300	Vertical	Pass
3	4920.456	48.33	74.0	25.67	Peak	191.00	200	Vertical	Pass
3**	4920.456	39.17	54.0	14.83	AV	191.00	200	Vertical	Pass
4	7933.207	52.93	74.0	21.07	Peak	117.00	300	Vertical	Pass
4**	7933.207	43.66	54.0	10.34	AV	117.00	300	Vertical	Pass
5	12496.182	53.21	74.0	20.79	Peak	222.00	200	Vertical	Pass
5**	12496.182	43.55	54.0	10.45	AV	222.00	200	Vertical	Pass
6	17103.782	54.42	74.0	19.58	Peak	96.00	200	Vertical	Pass
6**	17103.782	43.67	54.0	10.33	AV	96.00	200	Vertical	Pass

11ax20(SU), U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

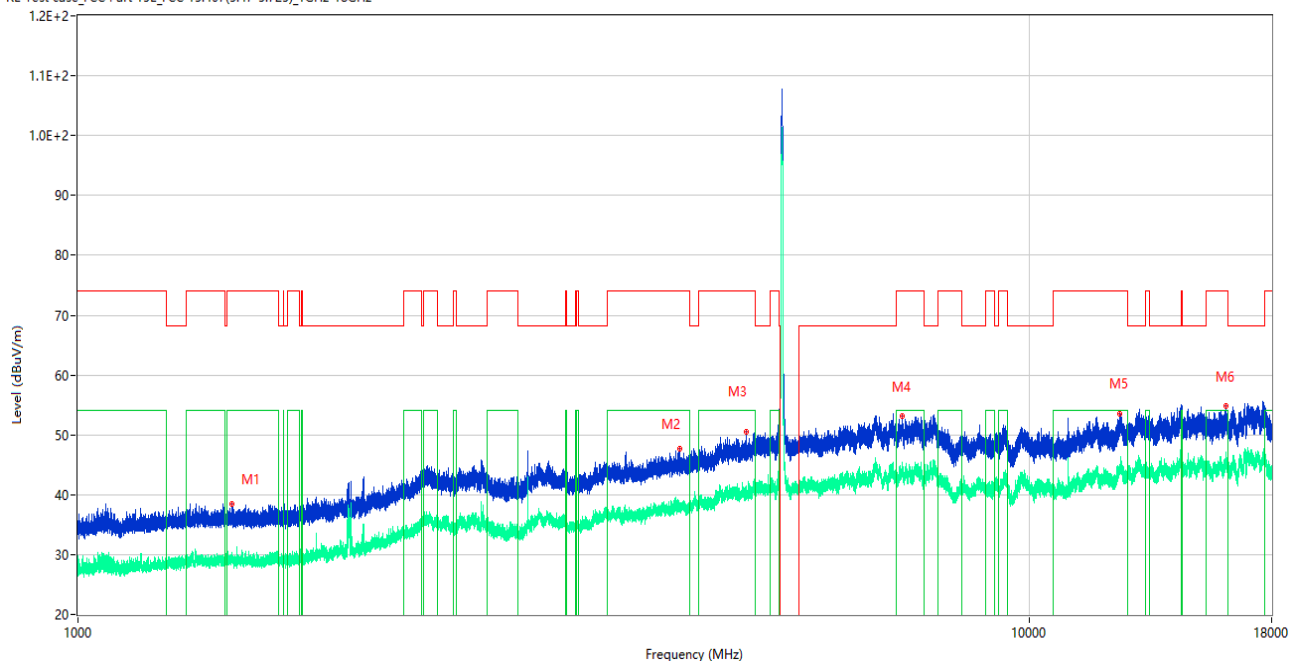
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.392	39.39	74.0	34.61	Peak	229.00	400	Horizontal	Pass
1**	1485.392	32.23	54.0	21.77	AV	229.00	400	Horizontal	Pass
2	2745.636	43.15	74.0	30.85	Peak	47.00	100	Horizontal	Pass
2**	2745.636	35.18	54.0	18.83	AV	47.00	100	Horizontal	Pass
3	4117.640	48.02	74.0	25.98	Peak	108.00	200	Horizontal	Pass
3**	4117.640	38.50	54.0	15.50	AV	108.00	200	Horizontal	Pass
4	7434.529	54.10	74.0	19.90	Peak	267.00	200	Horizontal	Pass
4**	7434.529	45.77	54.0	8.23	AV	267.00	200	Horizontal	Pass
5	12299.464	52.61	74.0	21.39	Peak	275.00	300	Horizontal	Pass
5**	12299.464	42.23	54.0	11.77	AV	275.00	300	Horizontal	Pass
6	15902.404	53.87	74.0	20.13	Peak	190.00	400	Horizontal	Pass
6**	15902.404	45.04	54.0	8.96	AV	190.00	400	Horizontal	Pass

11ax20(SU), U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.679	49.30	74.0	24.71	Peak	2.00	200	Vertical	Pass
1**	1161.679	34.81	54.0	19.19	AV	2.00	200	Vertical	Pass
2	1337.440	46.83	74.0	27.18	Peak	119.00	200	Vertical	Pass
2**	1337.440	37.98	54.0	16.03	AV	119.00	200	Vertical	Pass
3	4923.538	48.39	74.0	25.61	Peak	235.00	200	Vertical	Pass
3**	4923.538	38.99	54.0	15.01	AV	235.00	200	Vertical	Pass
4	7936.457	52.81	74.0	21.19	Peak	172.00	300	Vertical	Pass
4**	7936.457	43.46	54.0	10.54	AV	172.00	300	Vertical	Pass
5	12498.755	53.11	74.0	20.89	Peak	154.00	200	Vertical	Pass
5**	12498.755	43.11	54.0	10.89	AV	154.00	200	Vertical	Pass
6	17103.720	54.13	74.0	19.87	Peak	93.00	400	Vertical	Pass
6**	17103.720	43.59	54.0	10.41	AV	93.00	400	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.216	38.82	74.0	35.18	Peak	193.00	100	Horizontal	Pass
1**	1450.216	29.07	54.0	24.93	AV	193.00	100	Horizontal	Pass
2	4294.037	47.88	74.0	26.12	Peak	288.00	400	Horizontal	Pass
2**	4294.037	38.20	54.0	15.81	AV	288.00	400	Horizontal	Pass
3	5044.913	50.72	74.0	23.29	Peak	237.00	200	Horizontal	Pass
3**	5044.913	40.95	54.0	13.05	AV	237.00	200	Horizontal	Pass
4	7361.936	53.31	74.0	20.69	Peak	170.00	200	Horizontal	Pass
4**	7361.936	44.99	54.0	9.01	AV	170.00	200	Horizontal	Pass
5	12457.078	53.82	74.0	20.18	Peak	345.00	100	Horizontal	Pass
5**	12457.078	44.61	54.0	9.39	AV	345.00	100	Horizontal	Pass
6	16119.707	55.07	74.0	18.93	Peak	65.00	100	Horizontal	Pass
6**	16119.707	45.92	54.0	8.08	AV	65.00	100	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.074	41.71	74.0	32.29	Peak	100.00	300	Vertical	Pass
1**	1492.074	27.22	54.0	26.78	AV	100.00	300	Vertical	Pass
2	4344.041	46.32	74.0	27.68	Peak	349.00	400	Vertical	Pass
2**	4344.041	35.14	54.0	18.86	AV	349.00	400	Vertical	Pass
3	4956.880	49.00	74.0	25.00	Peak	318.00	200	Vertical	Pass
3**	4956.880	42.68	54.0	11.32	AV	318.00	200	Vertical	Pass
4	7596.796	53.71	74.0	20.29	Peak	88.00	200	Vertical	Pass
4**	7596.796	42.54	54.0	11.46	AV	88.00	200	Vertical	Pass
5	12500.793	55.22	74.0	18.78	Peak	277.00	200	Vertical	Pass
5**	12500.793	44.44	54.0	9.56	AV	277.00	200	Vertical	Pass
6	16120.327	55.87	74.0	18.13	Peak	217.00	300	Vertical	Pass
6**	16120.327	42.22	54.0	11.78	AV	217.00	300	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.118	38.64	74.0	35.36	Peak	255.00	200	Horizontal	Pass
1**	1449.118	29.03	54.0	24.97	AV	255.00	200	Horizontal	Pass
2	4295.386	47.71	74.0	26.29	Peak	272.00	300	Horizontal	Pass
2**	4295.386	37.99	54.0	16.01	AV	272.00	300	Horizontal	Pass
3	5048.691	50.54	74.0	23.46	Peak	146.00	200	Horizontal	Pass
3**	5048.691	40.84	54.0	13.16	AV	146.00	200	Horizontal	Pass
4	7359.684	53.06	74.0	20.94	Peak	334.00	100	Horizontal	Pass
4**	7359.684	44.83	54.0	9.17	AV	334.00	100	Horizontal	Pass
5	12461.106	53.53	74.0	20.47	Peak	272.00	400	Horizontal	Pass
5**	12461.106	44.34	54.0	9.66	AV	272.00	400	Horizontal	Pass
6	16125.240	54.93	74.0	19.07	Peak	75.00	100	Horizontal	Pass
6**	16125.240	45.63	54.0	8.37	AV	75.00	100	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.515	41.66	74.0	32.34	Peak	248.00	400	Vertical	Pass
1**	1492.515	27.15	54.0	26.85	AV	248.00	400	Vertical	Pass
2	4341.650	46.20	74.0	27.80	Peak	235.00	400	Vertical	Pass
2**	4341.650	34.98	54.0	19.02	AV	235.00	400	Vertical	Pass
3	4958.653	48.82	74.0	25.18	Peak	312.00	200	Vertical	Pass
3**	4958.653	42.63	54.0	11.37	AV	312.00	200	Vertical	Pass
4	7595.618	53.56	74.0	20.44	Peak	61.00	200	Vertical	Pass
4**	7595.618	42.35	54.0	11.65	AV	61.00	200	Vertical	Pass
5	12497.179	55.00	74.0	19.00	Peak	241.00	200	Vertical	Pass
5**	12497.179	44.39	54.0	9.61	AV	241.00	200	Vertical	Pass
6	16114.358	55.84	74.0	18.16	Peak	240.00	400	Vertical	Pass
6**	16114.358	42.18	54.0	11.82	AV	240.00	400	Vertical	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.131	38.39	74.0	35.61	Peak	359.00	400	Horizontal	Pass
1**	1454.131	28.77	54.0	25.23	AV	359.00	400	Horizontal	Pass
2	4294.352	47.65	74.0	26.35	Peak	195.00	200	Horizontal	Pass
2**	4294.352	37.70	54.0	16.30	AV	195.00	200	Horizontal	Pass
3	5041.960	50.28	74.0	23.72	Peak	162.00	200	Horizontal	Pass
3**	5041.960	40.78	54.0	13.22	AV	162.00	200	Horizontal	Pass
4	7356.641	52.85	74.0	21.15	Peak	317.00	100	Horizontal	Pass
4**	7356.641	44.75	54.0	9.25	AV	317.00	100	Horizontal	Pass
5	12456.456	53.39	74.0	20.61	Peak	257.00	100	Horizontal	Pass
5**	12456.456	44.16	54.0	9.84	AV	257.00	100	Horizontal	Pass
6	16119.199	54.72	74.0	19.28	Peak	306.00	400	Horizontal	Pass
6**	16119.199	45.36	54.0	8.64	AV	306.00	400	Horizontal	Pass

11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.785	41.40	74.0	32.60	Peak	330.00	200	Vertical	Pass
1**	1496.785	27.08	54.0	26.92	AV	330.00	200	Vertical	Pass
2	4339.447	45.97	74.0	28.03	Peak	307.00	400	Vertical	Pass
2**	4339.447	34.87	54.0	19.13	AV	307.00	400	Vertical	Pass
3	4952.208	48.56	74.0	25.44	Peak	192.00	200	Vertical	Pass
3**	4952.208	42.43	54.0	11.57	AV	192.00	200	Vertical	Pass
4	7600.702	53.33	74.0	20.67	Peak	315.00	100	Vertical	Pass
4**	7600.702	42.13	54.0	11.87	AV	315.00	100	Vertical	Pass
5	12499.337	54.99	74.0	19.01	Peak	2.00	300	Vertical	Pass
5**	12499.337	44.10	54.0	9.90	AV	2.00	300	Vertical	Pass
6	16118.508	55.64	74.0	18.36	Peak	193.00	200	Vertical	Pass
6**	16118.508	41.92	54.0	12.08	AV	193.00	200	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.027	38.33	74.0	35.67	Peak	165.00	200	Horizontal	Pass
1**	1454.027	28.50	54.0	25.50	AV	165.00	200	Horizontal	Pass
2	4293.134	47.65	74.0	26.35	Peak	270.00	100	Horizontal	Pass
2**	4293.134	37.61	54.0	16.39	AV	270.00	100	Horizontal	Pass
3	5042.885	50.02	74.0	23.98	Peak	39.00	200	Horizontal	Pass
3**	5042.885	40.69	54.0	13.31	AV	39.00	200	Horizontal	Pass
4	7359.673	52.83	74.0	21.17	Peak	251.00	400	Horizontal	Pass
4**	7359.673	44.49	54.0	9.51	AV	251.00	400	Horizontal	Pass
5	12455.352	53.11	74.0	20.89	Peak	349.00	100	Horizontal	Pass
5**	12455.352	44.14	54.0	9.86	AV	349.00	100	Horizontal	Pass
6	16119.745	54.60	74.0	19.40	Peak	217.00	400	Horizontal	Pass
6**	16119.745	45.18	54.0	8.82	AV	217.00	400	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.449	41.17	74.0	32.83	Peak	45.00	400	Vertical	Pass
1**	1494.449	27.01	54.0	26.99	AV	45.00	400	Vertical	Pass
2	4343.821	45.71	74.0	28.29	Peak	280.00	300	Vertical	Pass
2**	4343.821	34.86	54.0	19.14	AV	280.00	300	Vertical	Pass
3	4953.180	48.50	74.0	25.50	Peak	192.00	200	Vertical	Pass
3**	4953.180	42.28	54.0	11.72	AV	192.00	200	Vertical	Pass
4	7601.836	53.14	74.0	20.87	Peak	223.00	100	Vertical	Pass
4**	7601.836	41.97	54.0	12.03	AV	223.00	100	Vertical	Pass
5	12501.913	54.87	74.0	19.13	Peak	301.00	300	Vertical	Pass
5**	12501.913	43.86	54.0	10.14	AV	301.00	300	Vertical	Pass
6	16121.157	55.40	74.0	18.60	Peak	85.00	400	Vertical	Pass
6**	16121.157	41.87	54.0	12.13	AV	85.00	400	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1453.033	38.13	74.0	35.87	Peak	58.00	300	Horizontal	Pass
1**	1453.033	28.27	54.0	25.73	AV	58.00	300	Horizontal	Pass
2	4294.510	47.59	74.0	26.41	Peak	98.00	200	Horizontal	Pass
2**	4294.510	37.50	54.0	16.50	AV	98.00	200	Horizontal	Pass
3	5046.399	49.90	74.0	24.11	Peak	264.00	200	Horizontal	Pass
3**	5046.399	40.61	54.0	13.39	AV	264.00	200	Horizontal	Pass
4	7357.584	52.63	74.0	21.37	Peak	180.00	100	Horizontal	Pass
4**	7357.584	44.46	54.0	9.54	AV	180.00	100	Horizontal	Pass
5	12456.804	52.85	74.0	21.15	Peak	356.00	200	Horizontal	Pass
5**	12456.804	44.00	54.0	10.01	AV	356.00	200	Horizontal	Pass
6	16122.602	54.40	74.0	19.60	Peak	189.00	100	Horizontal	Pass
6**	16122.602	44.92	54.0	9.08	AV	189.00	100	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.814	40.99	74.0	33.01	Peak	236.00	300	Vertical	Pass
1**	1499.814	26.81	54.0	27.19	AV	236.00	300	Vertical	Pass
2	4344.593	45.53	74.0	28.47	Peak	222.00	100	Vertical	Pass
2**	4344.593	34.61	54.0	19.39	AV	222.00	100	Vertical	Pass
3	4953.485	48.21	74.0	25.79	Peak	36.00	200	Vertical	Pass
3**	4953.485	42.11	54.0	11.89	AV	36.00	200	Vertical	Pass
4	7602.896	53.05	74.0	20.95	Peak	91.00	300	Vertical	Pass
4**	7602.896	41.70	54.0	12.30	AV	91.00	300	Vertical	Pass
5	12498.209	54.72	74.0	19.28	Peak	237.00	100	Vertical	Pass
5**	12498.209	43.72	54.0	10.28	AV	237.00	100	Vertical	Pass
6	16115.013	55.35	74.0	18.65	Peak	311.00	400	Vertical	Pass
6**	16115.013	41.72	54.0	12.28	AV	311.00	400	Vertical	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.841	38.06	74.0	35.94	Peak	0.00	400	Horizontal	Pass
1**	1449.841	28.07	54.0	25.94	AV	0.00	400	Horizontal	Pass
2	4287.922	47.44	74.0	26.56	Peak	253.00	100	Horizontal	Pass
2**	4287.922	37.25	54.0	16.75	AV	253.00	100	Horizontal	Pass
3	5044.307	49.71	74.0	24.29	Peak	340.00	200	Horizontal	Pass
3**	5044.307	40.37	54.0	13.64	AV	340.00	200	Horizontal	Pass
4	7355.933	52.51	74.0	21.49	Peak	66.00	100	Horizontal	Pass
4**	7355.933	44.36	54.0	9.64	AV	66.00	100	Horizontal	Pass
5	12462.150	52.76	74.0	21.24	Peak	153.00	300	Horizontal	Pass
5**	12462.150	43.99	54.0	10.01	AV	153.00	300	Horizontal	Pass
6	16121.314	54.13	74.0	19.87	Peak	301.00	300	Horizontal	Pass
6**	16121.314	44.69	54.0	9.31	AV	301.00	300	Horizontal	Pass

11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.640	40.83	74.0	33.17	Peak	186.00	300	Vertical	Pass
1**	1498.640	26.63	54.0	27.37	AV	186.00	300	Vertical	Pass
2	4340.616	45.33	74.0	28.67	Peak	157.00	400	Vertical	Pass
2**	4340.616	34.60	54.0	19.40	AV	157.00	400	Vertical	Pass
3	4957.795	48.20	74.0	25.81	Peak	189.00	200	Vertical	Pass
3**	4957.795	42.01	54.0	11.99	AV	189.00	200	Vertical	Pass
4	7600.020	52.79	74.0	21.21	Peak	11.00	100	Vertical	Pass
4**	7600.020	41.59	54.0	12.42	AV	11.00	100	Vertical	Pass
5	12494.594	54.43	74.0	19.57	Peak	55.00	400	Vertical	Pass
5**	12494.594	43.50	54.0	10.50	AV	55.00	400	Vertical	Pass
6	16114.963	55.32	74.0	18.68	Peak	198.00	200	Vertical	Pass
6**	16114.963	41.55	54.0	12.45	AV	198.00	200	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.080	38.54	74.0	35.46	Peak	118.00	100	Horizontal	Pass
1**	1450.080	28.98	54.0	25.02	AV	118.00	100	Horizontal	Pass
2	4293.442	47.81	74.0	26.20	Peak	243.00	400	Horizontal	Pass
2**	4293.442	38.19	54.0	15.81	AV	243.00	400	Horizontal	Pass
3	5044.378	50.51	74.0	23.49	Peak	177.00	200	Horizontal	Pass
3**	5044.378	40.80	54.0	13.20	AV	177.00	200	Horizontal	Pass
4	7359.165	53.19	74.0	20.81	Peak	101.00	300	Horizontal	Pass
4**	7359.165	44.75	54.0	9.25	AV	101.00	300	Horizontal	Pass
5	12461.861	53.54	74.0	20.46	Peak	242.00	100	Horizontal	Pass
5**	12461.861	44.49	54.0	9.51	AV	242.00	100	Horizontal	Pass
6	16124.525	54.82	74.0	19.18	Peak	342.00	400	Horizontal	Pass
6**	16124.525	45.66	54.0	8.35	AV	342.00	400	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.723	41.57	74.0	32.43	Peak	205.00	200	Vertical	Pass
1**	1498.723	27.01	54.0	26.99	AV	205.00	200	Vertical	Pass
2	4344.831	46.10	74.0	27.90	Peak	183.00	300	Vertical	Pass
2**	4344.831	34.85	54.0	19.15	AV	183.00	300	Vertical	Pass
3	4958.814	48.93	74.0	25.07	Peak	43.00	200	Vertical	Pass
3**	4958.814	42.68	54.0	11.32	AV	43.00	200	Vertical	Pass
4	7601.085	53.70	74.0	20.30	Peak	1.00	100	Vertical	Pass
4**	7601.085	42.53	54.0	11.48	AV	1.00	100	Vertical	Pass
5	12497.121	55.21	74.0	18.79	Peak	288.00	100	Vertical	Pass
5**	12497.121	44.34	54.0	9.66	AV	288.00	100	Vertical	Pass
6	16117.937	55.60	74.0	18.40	Peak	96.00	200	Vertical	Pass
6**	16117.937	42.21	54.0	11.79	AV	96.00	200	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.279	38.35	74.0	35.65	Peak	68.00	100	Horizontal	Pass
1**	1454.279	28.92	54.0	25.09	AV	68.00	100	Horizontal	Pass
2	4289.485	47.58	74.0	26.42	Peak	41.00	300	Horizontal	Pass
2**	4289.485	37.73	54.0	16.27	AV	41.00	300	Horizontal	Pass
3	5048.578	50.29	74.0	23.71	Peak	64.00	200	Horizontal	Pass
3**	5048.578	40.69	54.0	13.31	AV	64.00	200	Horizontal	Pass
4	7357.585	53.06	74.0	20.94	Peak	318.00	200	Horizontal	Pass
4**	7357.585	44.62	54.0	9.38	AV	318.00	200	Horizontal	Pass
5	12456.130	53.39	74.0	20.61	Peak	256.00	100	Horizontal	Pass
5**	12456.130	44.21	54.0	9.79	AV	256.00	100	Horizontal	Pass
6	16118.761	54.66	74.0	19.35	Peak	195.00	300	Horizontal	Pass
6**	16118.761	45.36	54.0	8.64	AV	195.00	300	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.801	41.34	74.0	32.66	Peak	159.00	100	Vertical	Pass
1**	1494.801	26.94	54.0	27.06	AV	159.00	100	Vertical	Pass
2	4339.377	45.91	74.0	28.09	Peak	8.00	400	Vertical	Pass
2**	4339.377	34.77	54.0	19.23	AV	8.00	400	Vertical	Pass
3	4958.825	48.81	74.0	25.19	Peak	70.00	200	Vertical	Pass
3**	4958.825	42.45	54.0	11.55	AV	70.00	200	Vertical	Pass
4	7595.956	53.55	74.0	20.45	Peak	93.00	400	Vertical	Pass
4**	7595.956	42.32	54.0	11.68	AV	93.00	400	Vertical	Pass
5	12500.897	55.06	74.0	18.94	Peak	10.00	300	Vertical	Pass
5**	12500.897	44.09	54.0	9.91	AV	10.00	300	Vertical	Pass
6	16115.594	55.36	74.0	18.64	Peak	63.00	300	Vertical	Pass
6**	16115.594	42.07	54.0	11.93	AV	63.00	300	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.284	38.20	74.0	35.80	Peak	321.00	100	Horizontal	Pass
1**	1454.284	28.73	54.0	25.27	AV	321.00	100	Horizontal	Pass
2	4294.117	47.52	74.0	26.49	Peak	101.00	200	Horizontal	Pass
2**	4294.117	37.66	54.0	16.34	AV	101.00	200	Horizontal	Pass
3	5043.948	50.28	74.0	23.72	Peak	12.00	200	Horizontal	Pass
3**	5043.948	40.51	54.0	13.49	AV	12.00	200	Horizontal	Pass
4	7358.252	53.00	74.0	21.00	Peak	25.00	200	Horizontal	Pass
4**	7358.252	44.45	54.0	9.55	AV	25.00	200	Horizontal	Pass
5	12457.653	53.12	74.0	20.88	Peak	225.00	200	Horizontal	Pass
5**	12457.653	44.12	54.0	9.88	AV	225.00	200	Horizontal	Pass
6	16121.998	54.54	74.0	19.46	Peak	307.00	100	Horizontal	Pass
6**	16121.998	45.11	54.0	8.89	AV	307.00	100	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.703	41.11	74.0	32.89	Peak	92.00	100	Vertical	Pass
1**	1498.703	26.91	54.0	27.09	AV	92.00	100	Vertical	Pass
2	4343.639	45.71	74.0	28.29	Peak	121.00	200	Vertical	Pass
2**	4343.639	34.57	54.0	19.43	AV	121.00	200	Vertical	Pass
3	4952.977	48.69	74.0	25.31	Peak	65.00	200	Vertical	Pass
3**	4952.977	42.44	54.0	11.56	AV	65.00	200	Vertical	Pass
4	7601.221	53.54	74.0	20.46	Peak	116.00	200	Vertical	Pass
4**	7601.221	42.05	54.0	11.96	AV	116.00	200	Vertical	Pass
5	12496.105	54.81	74.0	19.19	Peak	9.00	300	Vertical	Pass
5**	12496.105	44.04	54.0	9.96	AV	9.00	300	Vertical	Pass
6	16116.821	55.09	74.0	18.92	Peak	94.00	400	Vertical	Pass
6**	16116.821	41.81	54.0	12.20	AV	94.00	400	Vertical	Pass

11ax20(SU), U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.312	37.88	74.0	36.12	Peak	82.00	300	Horizontal	Pass
1**	1450.312	28.17	54.0	25.83	AV	82.00	300	Horizontal	Pass
2	4290.537	47.52	74.0	26.48	Peak	5.00	400	Horizontal	Pass
2**	4290.537	37.36	54.0	16.65	AV	5.00	400	Horizontal	Pass
3	5042.603	49.89	74.0	24.11	Peak	133.00	200	Horizontal	Pass
3**	5042.603	40.38	54.0	13.62	AV	133.00	200	Horizontal	Pass
4	7359.277	52.50	74.0	21.50	Peak	355.00	400	Horizontal	Pass
4**	7359.277	44.26	54.0	9.75	AV	355.00	400	Horizontal	Pass
5	12462.011	52.67	74.0	21.33	Peak	47.00	100	Horizontal	Pass
5**	12462.011	43.78	54.0	10.22	AV	47.00	100	Horizontal	Pass
6	16118.874	54.12	74.0	19.88	Peak	186.00	300	Horizontal	Pass
6**	16118.874	44.66	54.0	9.34	AV	186.00	300	Horizontal	Pass

11ax20(SU), U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.181	40.92	74.0	33.09	Peak	178.00	400	Vertical	Pass
1**	1497.181	26.67	54.0	27.33	AV	178.00	400	Vertical	Pass
2	4346.671	45.37	74.0	28.64	Peak	348.00	200	Vertical	Pass
2**	4346.671	34.50	54.0	19.50	AV	348.00	200	Vertical	Pass
3	4959.000	48.13	74.0	25.87	Peak	185.00	200	Vertical	Pass
3**	4959.000	42.02	54.0	11.99	AV	185.00	200	Vertical	Pass
4	7596.577	52.76	74.0	21.24	Peak	14.00	100	Vertical	Pass
4**	7596.577	41.69	54.0	12.32	AV	14.00	100	Vertical	Pass
5	12494.153	54.69	74.0	19.31	Peak	59.00	300	Vertical	Pass
5**	12494.153	43.44	54.0	10.56	AV	59.00	300	Vertical	Pass
6	16117.734	55.06	74.0	18.94	Peak	34.00	200	Vertical	Pass
6**	16117.734	41.58	54.0	12.42	AV	34.00	200	Vertical	Pass

11ax20(SU), U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1452.411	37.80	74.0	36.20	Peak	240.00	200	Horizontal	Pass
1**	1452.411	27.83	54.0	26.17	AV	240.00	200	Horizontal	Pass
2	4292.635	47.28	74.0	26.72	Peak	104.00	300	Horizontal	Pass
2**	4292.635	37.11	54.0	16.89	AV	104.00	300	Horizontal	Pass
3	5048.461	49.41	74.0	24.59	Peak	237.00	200	Horizontal	Pass
3**	5048.461	40.07	54.0	13.93	AV	237.00	200	Horizontal	Pass
4	7356.730	52.25	74.0	21.75	Peak	221.00	200	Horizontal	Pass
4**	7356.730	44.15	54.0	9.85	AV	221.00	200	Horizontal	Pass
5	12457.409	52.56	74.0	21.44	Peak	180.00	200	Horizontal	Pass
5**	12457.409	43.77	54.0	10.23	AV	180.00	200	Horizontal	Pass
6	16118.764	54.11	74.0	19.90	Peak	359.00	400	Horizontal	Pass
6**	16118.764	44.48	54.0	9.52	AV	359.00	400	Horizontal	Pass

11ax20(SU), U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.066	40.54	74.0	33.46	Peak	325.00	100	Vertical	Pass
1**	1499.066	26.63	54.0	27.37	AV	325.00	100	Vertical	Pass
2	4340.603	45.22	74.0	28.78	Peak	249.00	200	Vertical	Pass
2**	4340.603	34.44	54.0	19.56	AV	249.00	200	Vertical	Pass
3	4957.557	47.98	74.0	26.02	Peak	145.00	200	Vertical	Pass
3**	4957.557	41.83	54.0	12.17	AV	145.00	200	Vertical	Pass
4	7595.825	52.71	74.0	21.29	Peak	225.00	200	Vertical	Pass
4**	7595.825	41.36	54.0	12.64	AV	225.00	200	Vertical	Pass
5	12501.174	54.43	74.0	19.57	Peak	1.00	100	Vertical	Pass
5**	12501.174	43.41	54.0	10.59	AV	1.00	100	Vertical	Pass
6	16118.901	55.21	74.0	18.79	Peak	171.00	300	Vertical	Pass
6**	16118.901	41.45	54.0	12.55	AV	171.00	300	Vertical	Pass

11ax20(SU), U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

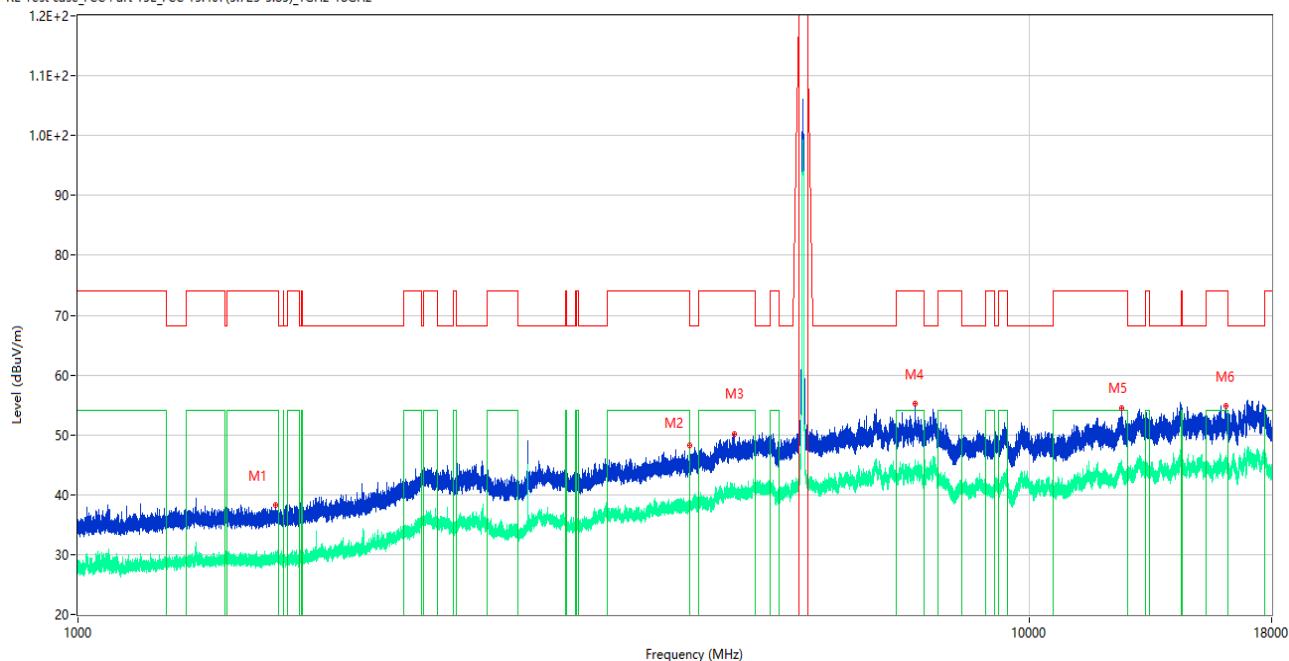
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.600	37.56	74.0	36.44	Peak	36.00	300	Horizontal	Pass
1**	1449.600	27.70	54.0	26.30	AV	36.00	300	Horizontal	Pass
2	4291.818	47.28	74.0	26.72	Peak	49.00	100	Horizontal	Pass
2**	4291.818	36.74	54.0	17.26	AV	49.00	100	Horizontal	Pass
3	5046.143	49.52	74.0	24.48	Peak	288.00	200	Horizontal	Pass
3**	5046.143	40.10	54.0	13.90	AV	288.00	200	Horizontal	Pass
4	7355.948	52.25	74.0	21.75	Peak	103.00	300	Horizontal	Pass
4**	7355.948	44.06	54.0	9.94	AV	103.00	300	Horizontal	Pass
5	12458.158	52.52	74.0	21.48	Peak	277.00	400	Horizontal	Pass
5**	12458.158	43.91	54.0	10.09	AV	277.00	400	Horizontal	Pass
6	16119.626	53.90	74.0	20.10	Peak	139.00	200	Horizontal	Pass
6**	16119.626	44.41	54.0	9.59	AV	139.00	200	Horizontal	Pass

11ax20(SU), U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.368	40.47	74.0	33.53	Peak	105.00	100	Vertical	Pass
1**	1497.368	26.39	54.0	27.62	AV	105.00	100	Vertical	Pass
2	4342.320	45.03	74.0	28.97	Peak	75.00	200	Vertical	Pass
2**	4342.320	34.23	54.0	19.77	AV	75.00	200	Vertical	Pass
3	4952.248	47.76	74.0	26.25	Peak	263.00	200	Vertical	Pass
3**	4952.248	41.56	54.0	12.44	AV	263.00	200	Vertical	Pass
4	7598.187	52.60	74.0	21.41	Peak	267.00	200	Vertical	Pass
4**	7598.187	41.46	54.0	12.54	AV	267.00	200	Vertical	Pass
5	12494.788	54.28	74.0	19.72	Peak	95.00	300	Vertical	Pass
5**	12494.788	43.10	54.0	10.90	AV	95.00	300	Vertical	Pass
6	16117.240	55.23	74.0	18.78	Peak	140.00	400	Vertical	Pass
6**	16117.240	41.25	54.0	12.75	AV	140.00	400	Vertical	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1609.959	38.50	74.0	35.50	Peak	34.00	100	Horizontal	Pass
1**	1609.959	29.22	54.0	24.78	AV	34.00	100	Horizontal	Pass
2	4396.776	48.49	74.0	25.51	Peak	305.00	100	Horizontal	Pass
2**	4396.776	38.38	54.0	15.62	AV	305.00	100	Horizontal	Pass
3	4894.589	50.42	74.0	23.58	Peak	338.00	200	Horizontal	Pass
3**	4894.589	40.39	54.0	13.61	AV	338.00	200	Horizontal	Pass
4	7598.343	55.48	74.0	18.52	Peak	25.00	100	Horizontal	Pass
4**	7598.343	45.57	54.0	8.43	AV	25.00	100	Horizontal	Pass
5	12504.988	54.67	74.0	19.33	Peak	139.00	100	Horizontal	Pass
5**	12504.988	44.23	54.0	9.77	AV	139.00	100	Horizontal	Pass
6	16125.333	55.05	74.0	18.95	Peak	336.00	400	Horizontal	Pass
6**	16125.333	46.45	54.0	7.55	AV	336.00	400	Horizontal	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.051	40.51	74.0	33.49	Peak	199.00	200	Vertical	Pass
1**	1498.051	29.70	54.0	24.30	AV	199.00	200	Vertical	Pass
2	4359.913	47.40	74.0	26.60	Peak	359.00	400	Vertical	Pass
2**	4359.913	38.75	54.0	15.25	AV	359.00	400	Vertical	Pass
3	4835.565	50.12	74.0	23.88	Peak	278.00	200	Vertical	Pass
3**	4835.565	40.69	54.0	13.31	AV	278.00	200	Vertical	Pass
4	7586.507	53.70	74.0	20.30	Peak	7.00	300	Vertical	Pass
4**	7586.507	45.01	54.0	8.99	AV	7.00	300	Vertical	Pass
5	12528.450	53.44	74.0	20.56	Peak	126.00	100	Vertical	Pass
5**	12528.450	44.00	54.0	10.00	AV	126.00	100	Vertical	Pass
6	16136.003	54.40	74.0	19.60	Peak	276.00	400	Vertical	Pass
6**	16136.003	44.69	54.0	9.32	AV	276.00	400	Vertical	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.812	38.24	74.0	35.77	Peak	304.00	400	Horizontal	Pass
1**	1615.812	29.12	54.0	24.88	AV	304.00	400	Horizontal	Pass
2	4395.794	48.39	74.0	25.61	Peak	13.00	200	Horizontal	Pass
2**	4395.794	38.29	54.0	15.71	AV	13.00	200	Horizontal	Pass
3	4898.796	50.17	74.0	23.83	Peak	273.00	200	Horizontal	Pass
3**	4898.796	40.17	54.0	13.83	AV	273.00	200	Horizontal	Pass
4	7599.961	55.33	74.0	18.67	Peak	2.00	400	Horizontal	Pass
4**	7599.961	45.52	54.0	8.48	AV	2.00	400	Horizontal	Pass
5	12508.344	54.58	74.0	19.42	Peak	271.00	200	Horizontal	Pass
5**	12508.344	43.98	54.0	10.02	AV	271.00	200	Horizontal	Pass
6	16122.219	54.79	74.0	19.21	Peak	156.00	400	Horizontal	Pass
6**	16122.219	46.15	54.0	7.85	AV	156.00	400	Horizontal	Pass

11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.562	40.45	74.0	33.55	Peak	82.00	300	Vertical	Pass
1**	1495.562	29.57	54.0	24.43	AV	82.00	300	Vertical	Pass
2	4356.225	47.12	74.0	26.88	Peak	328.00	100	Vertical	Pass
2**	4356.225	38.68	54.0	15.32	AV	328.00	100	Vertical	Pass
3	4839.772	49.99	74.0	24.01	Peak	320.00	200	Vertical	Pass
3**	4839.772	40.51	54.0	13.49	AV	320.00	200	Vertical	Pass
4	7583.119	53.58	74.0	20.42	Peak	167.00	100	Vertical	Pass
4**	7583.119	44.79	54.0	9.21	AV	167.00	100	Vertical	Pass
5	12529.413	53.42	74.0	20.58	Peak	346.00	200	Vertical	Pass
5**	12529.413	43.92	54.0	10.08	AV	346.00	200	Vertical	Pass
6	16130.753	54.25	74.0	19.75	Peak	187.00	100	Vertical	Pass
6**	16130.753	44.41	54.0	9.59	AV	187.00	100	Vertical	Pass

11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.678	38.03	74.0	35.97	Peak	102.00	200	Horizontal	Pass
1**	1616.678	28.86	54.0	25.14	AV	102.00	200	Horizontal	Pass
2	4402.084	48.18	74.0	25.82	Peak	269.00	200	Horizontal	Pass
2**	4402.084	38.15	54.0	15.85	AV	269.00	200	Horizontal	Pass
3	4899.498	50.09	74.0	23.91	Peak	30.00	200	Horizontal	Pass
3**	4899.498	39.91	54.0	14.09	AV	30.00	200	Horizontal	Pass
4	7598.126	55.15	74.0	18.85	Peak	192.00	400	Horizontal	Pass
4**	7598.126	45.23	54.0	8.78	AV	192.00	400	Horizontal	Pass
5	12501.501	54.31	74.0	19.69	Peak	292.00	200	Horizontal	Pass
5**	12501.501	43.89	54.0	10.11	AV	292.00	200	Horizontal	Pass
6	16120.300	54.72	74.0	19.28	Peak	161.00	100	Horizontal	Pass
6**	16120.300	45.90	54.0	8.10	AV	161.00	100	Horizontal	Pass

11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.079	40.17	74.0	33.83	Peak	342.00	200	Vertical	Pass
1**	1493.079	29.56	54.0	24.44	AV	342.00	200	Vertical	Pass
2	4353.281	47.11	74.0	26.90	Peak	211.00	400	Vertical	Pass
2**	4353.281	38.50	54.0	15.51	AV	211.00	400	Vertical	Pass
3	4839.462	49.94	74.0	24.06	Peak	66.00	200	Vertical	Pass
3**	4839.462	40.36	54.0	13.64	AV	66.00	200	Vertical	Pass
4	7582.928	53.56	74.0	20.44	Peak	30.00	100	Vertical	Pass
4**	7582.928	44.71	54.0	9.29	AV	30.00	100	Vertical	Pass
5	12528.633	53.13	74.0	20.87	Peak	292.00	400	Vertical	Pass
5**	12528.633	43.65	54.0	10.35	AV	292.00	400	Vertical	Pass
6	16134.344	53.96	74.0	20.04	Peak	144.00	100	Vertical	Pass
6**	16134.344	44.21	54.0	9.79	AV	144.00	100	Vertical	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.678	37.97	74.0	36.03	Peak	295.00	100	Horizontal	Pass
1**	1615.678	28.63	54.0	25.37	AV	295.00	100	Horizontal	Pass
2	4396.650	48.18	74.0	25.82	Peak	209.00	100	Horizontal	Pass
2**	4396.650	38.01	54.0	15.99	AV	209.00	100	Horizontal	Pass
3	4899.599	50.02	74.0	23.98	Peak	121.00	200	Horizontal	Pass
3**	4899.599	39.72	54.0	14.28	AV	121.00	200	Horizontal	Pass
4	7597.491	55.09	74.0	18.92	Peak	63.00	100	Horizontal	Pass
4**	7597.491	45.04	54.0	8.96	AV	63.00	100	Horizontal	Pass
5	12507.351	54.22	74.0	19.78	Peak	41.00	200	Horizontal	Pass
5**	12507.351	43.83	54.0	10.17	AV	41.00	200	Horizontal	Pass
6	16122.490	54.49	74.0	19.51	Peak	87.00	400	Horizontal	Pass
6**	16122.490	45.83	54.0	8.17	AV	87.00	400	Horizontal	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.739	39.90	74.0	34.10	Peak	244.00	300	Vertical	Pass
1**	1498.739	29.32	54.0	24.68	AV	244.00	300	Vertical	Pass
2	4360.624	46.88	74.0	27.12	Peak	145.00	300	Vertical	Pass
2**	4360.624	38.38	54.0	15.62	AV	145.00	300	Vertical	Pass
3	4835.929	49.80	74.0	24.20	Peak	168.00	200	Vertical	Pass
3**	4835.929	40.31	54.0	13.69	AV	168.00	200	Vertical	Pass
4	7585.323	53.29	74.0	20.71	Peak	345.00	300	Vertical	Pass
4**	7585.323	44.60	54.0	9.40	AV	345.00	300	Vertical	Pass
5	12524.872	52.88	74.0	21.12	Peak	248.00	200	Vertical	Pass
5**	12524.872	43.45	54.0	10.55	AV	248.00	200	Vertical	Pass
6	16131.166	53.95	74.0	20.05	Peak	334.00	200	Vertical	Pass
6**	16131.166	44.13	54.0	9.87	AV	334.00	200	Vertical	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1610.724	37.70	74.0	36.30	Peak	163.00	300	Horizontal	Pass
1**	1610.724	28.62	54.0	25.38	AV	163.00	300	Horizontal	Pass
2	4397.158	47.98	74.0	26.02	Peak	220.00	400	Horizontal	Pass
2**	4397.158	37.93	54.0	16.07	AV	220.00	400	Horizontal	Pass
3	4894.969	49.73	74.0	24.27	Peak	15.00	200	Horizontal	Pass
3**	4894.969	39.62	54.0	14.38	AV	15.00	200	Horizontal	Pass
4	7595.960	54.98	74.0	19.02	Peak	52.00	300	Horizontal	Pass
4**	7595.960	44.81	54.0	9.19	AV	52.00	300	Horizontal	Pass
5	12506.879	54.14	74.0	19.86	Peak	45.00	100	Horizontal	Pass
5**	12506.879	43.83	54.0	10.18	AV	45.00	100	Horizontal	Pass
6	16124.332	54.29	74.0	19.72	Peak	0.00	200	Horizontal	Pass
6**	16124.332	45.83	54.0	8.17	AV	0.00	200	Horizontal	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.625	39.70	74.0	34.30	Peak	203.00	400	Vertical	Pass
1**	1491.625	29.16	54.0	24.84	AV	203.00	400	Vertical	Pass
2	4360.328	46.58	74.0	27.42	Peak	113.00	200	Vertical	Pass
2**	4360.328	38.25	54.0	15.75	AV	113.00	200	Vertical	Pass
3	4836.065	49.55	74.0	24.45	Peak	260.00	200	Vertical	Pass
3**	4836.065	40.05	54.0	13.95	AV	260.00	200	Vertical	Pass
4	7584.258	53.18	74.0	20.82	Peak	268.00	300	Vertical	Pass
4**	7584.258	44.57	54.0	9.44	AV	268.00	300	Vertical	Pass
5	12530.219	52.75	74.0	21.25	Peak	290.00	300	Vertical	Pass
5**	12530.219	43.18	54.0	10.83	AV	290.00	300	Vertical	Pass
6	16133.799	53.90	74.0	20.10	Peak	313.00	400	Vertical	Pass
6**	16133.799	44.03	54.0	9.97	AV	313.00	400	Vertical	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.215	37.45	74.0	36.55	Peak	243.00	300	Horizontal	Pass
1**	1611.215	28.62	54.0	25.38	AV	243.00	300	Horizontal	Pass
2	4399.597	47.82	74.0	26.18	Peak	244.00	400	Horizontal	Pass
2**	4399.597	37.83	54.0	16.17	AV	244.00	400	Horizontal	Pass
3	4900.324	49.68	74.0	24.32	Peak	122.00	200	Horizontal	Pass
3**	4900.324	39.42	54.0	14.58	AV	122.00	200	Horizontal	Pass
4	7596.413	54.81	74.0	19.19	Peak	328.00	400	Horizontal	Pass
4**	7596.413	44.60	54.0	9.40	AV	328.00	400	Horizontal	Pass
5	12503.257	53.88	74.0	20.12	Peak	192.00	100	Horizontal	Pass
5**	12503.257	43.53	54.0	10.47	AV	192.00	100	Horizontal	Pass
6	16123.798	54.04	74.0	19.96	Peak	136.00	400	Horizontal	Pass
6**	16123.798	45.77	54.0	8.23	AV	136.00	400	Horizontal	Pass

11n20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.710	39.43	74.0	34.57	Peak	205.00	100	Vertical	Pass
1**	1497.710	28.95	54.0	25.05	AV	205.00	100	Vertical	Pass
2	4360.799	46.54	74.0	27.46	Peak	322.00	100	Vertical	Pass
2**	4360.799	38.14	54.0	15.86	AV	322.00	100	Vertical	Pass
3	4839.723	49.29	74.0	24.71	Peak	159.00	200	Vertical	Pass
3**	4839.723	39.95	54.0	14.05	AV	159.00	200	Vertical	Pass
4	7583.681	52.97	74.0	21.03	Peak	158.00	300	Vertical	Pass
4**	7583.681	44.38	54.0	9.62	AV	158.00	300	Vertical	Pass
5	12525.776	52.54	74.0	21.47	Peak	25.00	400	Vertical	Pass
5**	12525.776	43.06	54.0	10.94	AV	25.00	400	Vertical	Pass
6	16133.147	53.86	74.0	20.14	Peak	142.00	200	Vertical	Pass
6**	16133.147	43.96	54.0	10.04	AV	142.00	200	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.416	38.03	74.0	35.97	Peak	232.00	200	Horizontal	Pass
1**	1614.416	28.84	54.0	25.16	AV	232.00	200	Horizontal	Pass
2	4395.537	48.34	74.0	25.66	Peak	271.00	200	Horizontal	Pass
2**	4395.537	38.24	54.0	15.76	AV	271.00	200	Horizontal	Pass
3	4895.083	50.06	74.0	23.94	Peak	52.00	200	Horizontal	Pass
3**	4895.083	39.88	54.0	14.12	AV	52.00	200	Horizontal	Pass
4	7600.647	55.23	74.0	18.77	Peak	128.00	100	Horizontal	Pass
4**	7600.647	45.39	54.0	8.61	AV	128.00	100	Horizontal	Pass
5	12503.237	54.41	74.0	19.59	Peak	222.00	100	Horizontal	Pass
5**	12503.237	43.70	54.0	10.30	AV	222.00	100	Horizontal	Pass
6	16123.471	54.60	74.0	19.40	Peak	281.00	300	Horizontal	Pass
6**	16123.471	45.92	54.0	8.08	AV	281.00	300	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.205	40.44	74.0	33.57	Peak	315.00	100	Vertical	Pass
1**	1496.205	29.31	54.0	24.69	AV	315.00	100	Vertical	Pass
2	4354.315	47.10	74.0	26.90	Peak	268.00	200	Vertical	Pass
2**	4354.315	38.44	54.0	15.56	AV	268.00	200	Vertical	Pass
3	4837.420	49.78	74.0	24.22	Peak	90.00	200	Vertical	Pass
3**	4837.420	40.30	54.0	13.70	AV	90.00	200	Vertical	Pass
4	7579.727	53.45	74.0	20.55	Peak	325.00	300	Vertical	Pass
4**	7579.727	44.52	54.0	9.48	AV	325.00	300	Vertical	Pass
5	12524.965	53.12	74.0	20.88	Peak	338.00	200	Vertical	Pass
5**	12524.965	43.64	54.0	10.36	AV	338.00	200	Vertical	Pass
6	16136.464	54.01	74.0	19.99	Peak	26.00	300	Vertical	Pass
6**	16136.464	44.23	54.0	9.77	AV	26.00	300	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.573	37.84	74.0	36.16	Peak	44.00	300	Horizontal	Pass
1**	1615.573	28.69	54.0	25.31	AV	44.00	300	Horizontal	Pass
2	4396.067	47.92	74.0	26.08	Peak	236.00	200	Horizontal	Pass
2**	4396.067	38.00	54.0	16.00	AV	236.00	200	Horizontal	Pass
3	4901.181	49.87	74.0	24.13	Peak	278.00	200	Horizontal	Pass
3**	4901.181	39.61	54.0	14.39	AV	278.00	200	Horizontal	Pass
4	7597.477	55.09	74.0	18.91	Peak	11.00	400	Horizontal	Pass
4**	7597.477	45.02	54.0	8.98	AV	11.00	400	Horizontal	Pass
5	12508.239	54.19	74.0	19.81	Peak	208.00	200	Horizontal	Pass
5**	12508.239	43.69	54.0	10.31	AV	208.00	200	Horizontal	Pass
6	16122.356	54.45	74.0	19.55	Peak	351.00	100	Horizontal	Pass
6**	16122.356	45.68	54.0	8.32	AV	351.00	100	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.051	39.95	74.0	34.05	Peak	154.00	200	Vertical	Pass
1**	1497.051	29.39	54.0	24.61	AV	154.00	200	Vertical	Pass
2	4357.420	47.06	74.0	26.95	Peak	309.00	200	Vertical	Pass
2**	4357.420	38.41	54.0	15.59	AV	309.00	200	Vertical	Pass
3	4841.488	49.67	74.0	24.33	Peak	9.00	200	Vertical	Pass
3**	4841.488	40.29	54.0	13.71	AV	9.00	200	Vertical	Pass
4	7586.896	53.41	74.0	20.59	Peak	303.00	100	Vertical	Pass
4**	7586.896	44.63	54.0	9.37	AV	303.00	100	Vertical	Pass
5	12528.225	52.84	74.0	21.16	Peak	142.00	100	Vertical	Pass
5**	12528.225	43.51	54.0	10.49	AV	142.00	100	Vertical	Pass
6	16133.557	53.91	74.0	20.09	Peak	148.00	300	Vertical	Pass
6**	16133.557	44.07	54.0	9.93	AV	148.00	300	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.392	37.69	74.0	36.31	Peak	101.00	200	Horizontal	Pass
1**	1616.392	28.52	54.0	25.48	AV	101.00	200	Horizontal	Pass
2	4397.837	47.97	74.0	26.03	Peak	309.00	200	Horizontal	Pass
2**	4397.837	37.85	54.0	16.15	AV	309.00	200	Horizontal	Pass
3	4899.664	49.96	74.0	24.04	Peak	205.00	200	Horizontal	Pass
3**	4899.664	39.72	54.0	14.28	AV	205.00	200	Horizontal	Pass
4	7599.687	54.82	74.0	19.18	Peak	40.00	300	Horizontal	Pass
4**	7599.687	44.88	54.0	9.12	AV	40.00	300	Horizontal	Pass
5	12507.220	54.18	74.0	19.83	Peak	189.00	400	Horizontal	Pass
5**	12507.220	43.67	54.0	10.34	AV	189.00	400	Horizontal	Pass
6	16120.785	54.32	74.0	19.68	Peak	174.00	200	Horizontal	Pass
6**	16120.785	45.54	54.0	8.46	AV	174.00	200	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.725	39.88	74.0	34.12	Peak	193.00	300	Vertical	Pass
1**	1497.725	29.13	54.0	24.87	AV	193.00	300	Vertical	Pass
2	4360.291	46.79	74.0	27.21	Peak	47.00	300	Vertical	Pass
2**	4360.291	38.21	54.0	15.79	AV	47.00	300	Vertical	Pass
3	4840.026	49.56	74.0	24.44	Peak	231.00	200	Vertical	Pass
3**	4840.026	40.11	54.0	13.89	AV	231.00	200	Vertical	Pass
4	7584.118	53.13	74.0	20.87	Peak	177.00	300	Vertical	Pass
4**	7584.118	44.56	54.0	9.44	AV	177.00	300	Vertical	Pass
5	12530.810	52.72	74.0	21.28	Peak	37.00	200	Vertical	Pass
5**	12530.810	43.29	54.0	10.71	AV	37.00	200	Vertical	Pass
6	16136.336	53.72	74.0	20.28	Peak	297.00	300	Vertical	Pass
6**	16136.336	43.85	54.0	10.15	AV	297.00	300	Vertical	Pass

11ax20(SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.645	38.21	74.0	35.79	Peak	1.00	100	Horizontal	Pass
1**	1615.645	29.15	54.0	24.85	AV	1.00	100	Horizontal	Pass
2	4402.787	48.27	74.0	25.73	Peak	237.00	100	Horizontal	Pass
2**	4402.787	38.25	54.0	15.75	AV	237.00	100	Horizontal	Pass
3	4899.933	50.23	74.0	23.77	Peak	218.00	200	Horizontal	Pass
3**	4899.933	40.36	54.0	13.64	AV	218.00	200	Horizontal	Pass
4	7595.576	55.41	74.0	18.59	Peak	306.00	400	Horizontal	Pass
4**	7595.576	45.43	54.0	8.57	AV	306.00	400	Horizontal	Pass
5	12508.073	54.49	74.0	19.51	Peak	193.00	200	Horizontal	Pass
5**	12508.073	43.94	54.0	10.07	AV	193.00	200	Horizontal	Pass
6	16125.693	54.77	74.0	19.23	Peak	226.00	400	Horizontal	Pass
6**	16125.693	46.24	54.0	7.76	AV	226.00	400	Horizontal	Pass

11ax20(SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.696	40.51	74.0	33.49	Peak	171.00	400	Vertical	Pass
1**	1491.696	29.68	54.0	24.32	AV	171.00	400	Vertical	Pass
2	4360.120	47.25	74.0	26.75	Peak	175.00	300	Vertical	Pass
2**	4360.120	38.55	54.0	15.46	AV	175.00	300	Vertical	Pass
3	4839.597	50.05	74.0	23.95	Peak	109.00	200	Vertical	Pass
3**	4839.597	40.46	54.0	13.54	AV	109.00	200	Vertical	Pass
4	7587.349	53.52	74.0	20.48	Peak	243.00	400	Vertical	Pass
4**	7587.349	44.77	54.0	9.23	AV	243.00	400	Vertical	Pass
5	12528.436	53.24	74.0	20.76	Peak	164.00	400	Vertical	Pass
5**	12528.436	43.86	54.0	10.14	AV	164.00	400	Vertical	Pass
6	16132.170	54.22	74.0	19.78	Peak	105.00	300	Vertical	Pass
6**	16132.170	44.53	54.0	9.47	AV	105.00	300	Vertical	Pass

11ax20(SU), U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.191	38.09	74.0	35.91	Peak	147.00	100	Horizontal	Pass
1**	1615.191	28.99	54.0	25.01	AV	147.00	100	Horizontal	Pass
2	4396.009	48.32	74.0	25.68	Peak	232.00	200	Horizontal	Pass
2**	4396.009	38.21	54.0	15.79	AV	232.00	200	Horizontal	Pass
3	4895.097	49.89	74.0	24.11	Peak	268.00	200	Horizontal	Pass
3**	4895.097	40.14	54.0	13.86	AV	268.00	200	Horizontal	Pass
4	7596.886	55.27	74.0	18.73	Peak	222.00	400	Horizontal	Pass
4**	7596.886	45.27	54.0	8.73	AV	222.00	400	Horizontal	Pass
5	12506.383	54.57	74.0	19.43	Peak	103.00	200	Horizontal	Pass
5**	12506.383	43.76	54.0	10.24	AV	103.00	200	Horizontal	Pass
6	16127.002	54.65	74.0	19.35	Peak	191.00	200	Horizontal	Pass
6**	16127.002	46.07	54.0	7.93	AV	191.00	200	Horizontal	Pass

11ax20(SU), U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.346	40.42	74.0	33.58	Peak	15.00	200	Vertical	Pass
1**	1496.346	29.29	54.0	24.71	AV	15.00	200	Vertical	Pass
2	4357.795	47.11	74.0	26.89	Peak	103.00	300	Vertical	Pass
2**	4357.795	38.58	54.0	15.43	AV	103.00	300	Vertical	Pass
3	4835.907	49.86	74.0	24.14	Peak	304.00	200	Vertical	Pass
3**	4835.907	40.32	54.0	13.68	AV	304.00	200	Vertical	Pass
4	7580.292	53.47	74.0	20.54	Peak	202.00	200	Vertical	Pass
4**	7580.292	44.75	54.0	9.25	AV	202.00	200	Vertical	Pass
5	12524.191	53.17	74.0	20.83	Peak	340.00	300	Vertical	Pass
5**	12524.191	43.90	54.0	10.10	AV	340.00	300	Vertical	Pass
6	16133.318	54.15	74.0	19.85	Peak	103.00	400	Vertical	Pass
6**	16133.318	44.23	54.0	9.77	AV	103.00	400	Vertical	Pass

11ax20(SU), U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.978	37.99	74.0	36.01	Peak	274.00	300	Horizontal	Pass
1**	1611.978	28.77	54.0	25.23	AV	274.00	300	Horizontal	Pass
2	4402.756	48.04	74.0	25.96	Peak	120.00	300	Horizontal	Pass
2**	4402.756	37.93	54.0	16.07	AV	120.00	300	Horizontal	Pass
3	4898.940	49.96	74.0	24.04	Peak	4.00	200	Horizontal	Pass
3**	4898.940	39.87	54.0	14.13	AV	4.00	200	Horizontal	Pass
4	7602.835	54.92	74.0	19.08	Peak	344.00	200	Horizontal	Pass
4**	7602.835	45.19	54.0	8.81	AV	344.00	200	Horizontal	Pass
5	12506.981	54.15	74.0	19.85	Peak	43.00	400	Horizontal	Pass
5**	12506.981	43.81	54.0	10.19	AV	43.00	400	Horizontal	Pass
6	16125.893	54.71	74.0	19.29	Peak	346.00	200	Horizontal	Pass
6**	16125.893	45.64	54.0	8.36	AV	346.00	200	Horizontal	Pass

11ax20(SU), U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.391	39.88	74.0	34.12	Peak	17.00	400	Vertical	Pass
1**	1491.391	29.33	54.0	24.67	AV	17.00	400	Vertical	Pass
2	4354.326	46.82	74.0	27.18	Peak	35.00	400	Vertical	Pass
2**	4354.326	38.23	54.0	15.78	AV	35.00	400	Vertical	Pass
3	4838.410	49.84	74.0	24.16	Peak	282.00	200	Vertical	Pass
3**	4838.410	40.13	54.0	13.87	AV	282.00	200	Vertical	Pass
4	7580.900	53.29	74.0	20.71	Peak	66.00	400	Vertical	Pass
4**	7580.900	44.52	54.0	9.48	AV	66.00	400	Vertical	Pass
5	12528.747	52.90	74.0	21.10	Peak	227.00	100	Vertical	Pass
5**	12528.747	43.53	54.0	10.47	AV	227.00	100	Vertical	Pass
6	16132.684	53.75	74.0	20.25	Peak	341.00	300	Vertical	Pass
6**	16132.684	44.00	54.0	10.00	AV	341.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

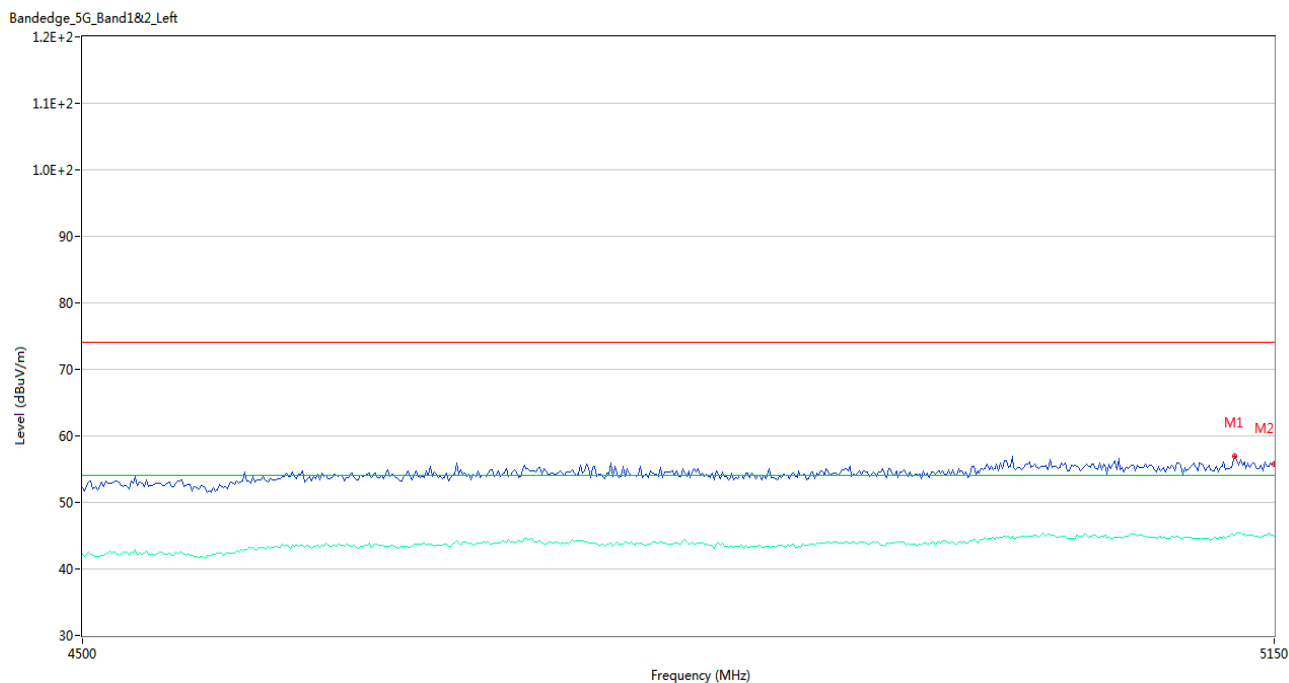
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ax(HE20)(SU)	Low	Pass
		High	Pass

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ²: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

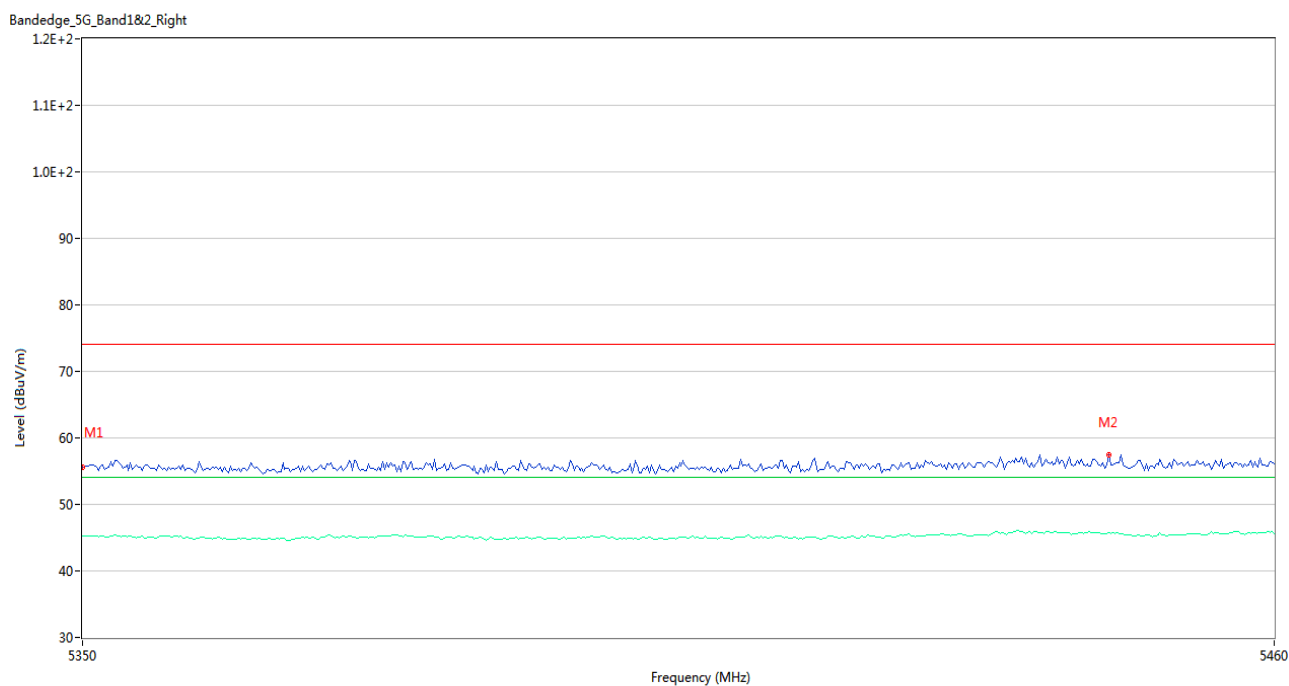
Test Data and Plots

U-NII-1 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.998	56.82	74.0	17.18	Peak	281.00	300	Horizontal	Pass
1**	5126.998	44.85	54.0	9.15	AV	281.00	300	Horizontal	Pass
2	5150.000	55.09	74.0	18.91	Peak	252.00	100	Horizontal	Pass
2**	5150.000	44.08	54.0	9.92	AV	252.00	100	Horizontal	Pass

U-NII-1 11a High Channel



No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.93	74.0	19.07	Peak	144.00	100	Horizontal	Pass
1**	5350.000	45.18	54.0	8.82	AV	144.00	100	Horizontal	Pass
2	5446.965	57.17	74.0	16.83	Peak	330.00	200	Horizontal	Pass
2**	5446.965	45.32	54.0	8.68	AV	330.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.731	56.50	74.0	17.50	Peak	229.00	300	Horizontal	Pass
1**	5126.731	44.39	54.0	9.61	AV	229.00	300	Horizontal	Pass
2	5150.000	55.27	74.0	18.73	Peak	147.00	200	Horizontal	Pass
2**	5150.000	44.82	54.0	9.18	AV	147.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.85	74.0	19.15	Peak	333.00	300	Horizontal	Pass
1**	5350.000	45.05	54.0	8.95	AV	333.00	300	Horizontal	Pass
2	5445.409	56.85	74.0	17.15	Peak	255.00	200	Horizontal	Pass
2**	5445.409	44.66	54.0	9.34	AV	255.00	200	Horizontal	Pass

U-NII-1 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.024	61.88	74.0	12.12	Peak	187.00	200	Horizontal	Pass
1**	5148.024	44.72	54.0	9.28	AV	187.00	200	Horizontal	Pass
2	5150.000	59.51	74.0	14.49	Peak	120.00	200	Horizontal	Pass
2**	5150.000	44.93	54.0	9.07	AV	120.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.53	74.0	18.47	Peak	114.00	300	Horizontal	Pass
1**	5350.000	45.06	54.0	8.94	AV	114.00	300	Horizontal	Pass
2	5447.399	56.79	74.0	17.21	Peak	110.00	300	Horizontal	Pass
2**	5447.399	44.47	54.0	9.53	AV	110.00	300	Horizontal	Pass

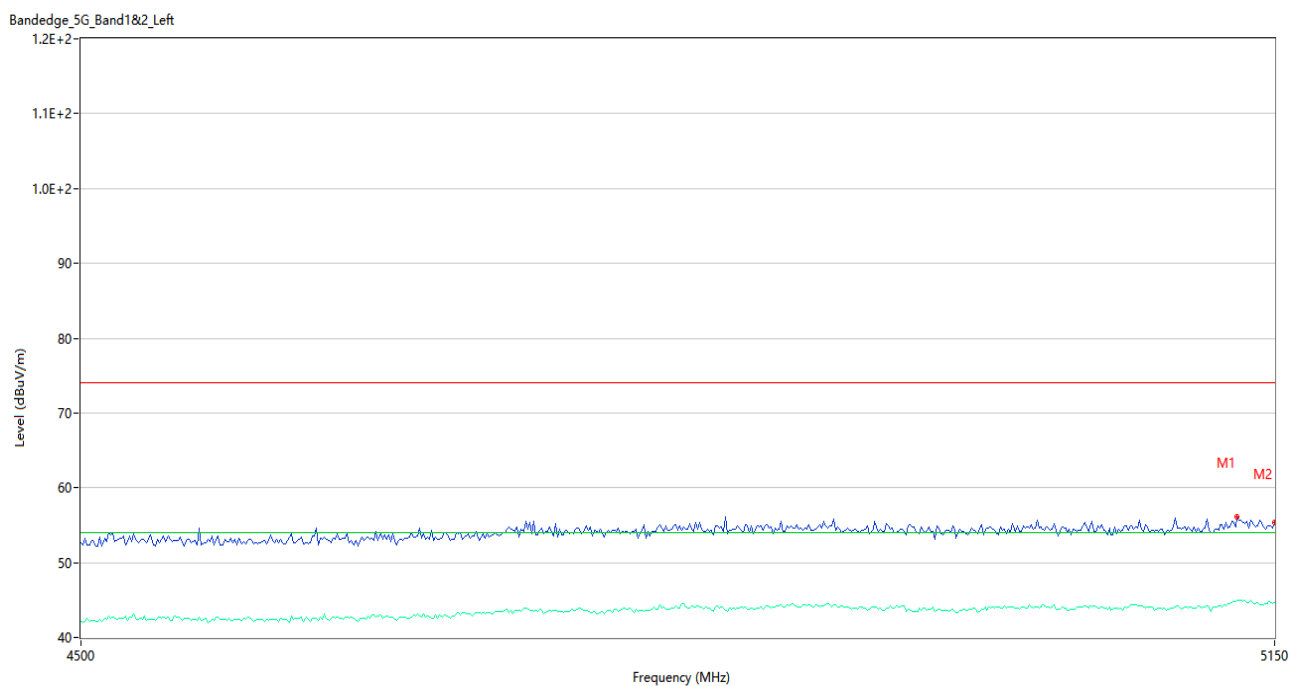
U-NII-1 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5141.294	61.56	74.0	12.44	Peak	73.00	200	Horizontal	Pass
1**	5141.294	45.16	54.0	8.84	AV	73.00	200	Horizontal	Pass
2	5150.000	57.08	74.0	16.92	Peak	268.00	300	Horizontal	Pass
2**	5150.000	44.41	54.0	9.59	AV	268.00	300	Horizontal	Pass

U-NII-1 11ax20(SU) High Channel

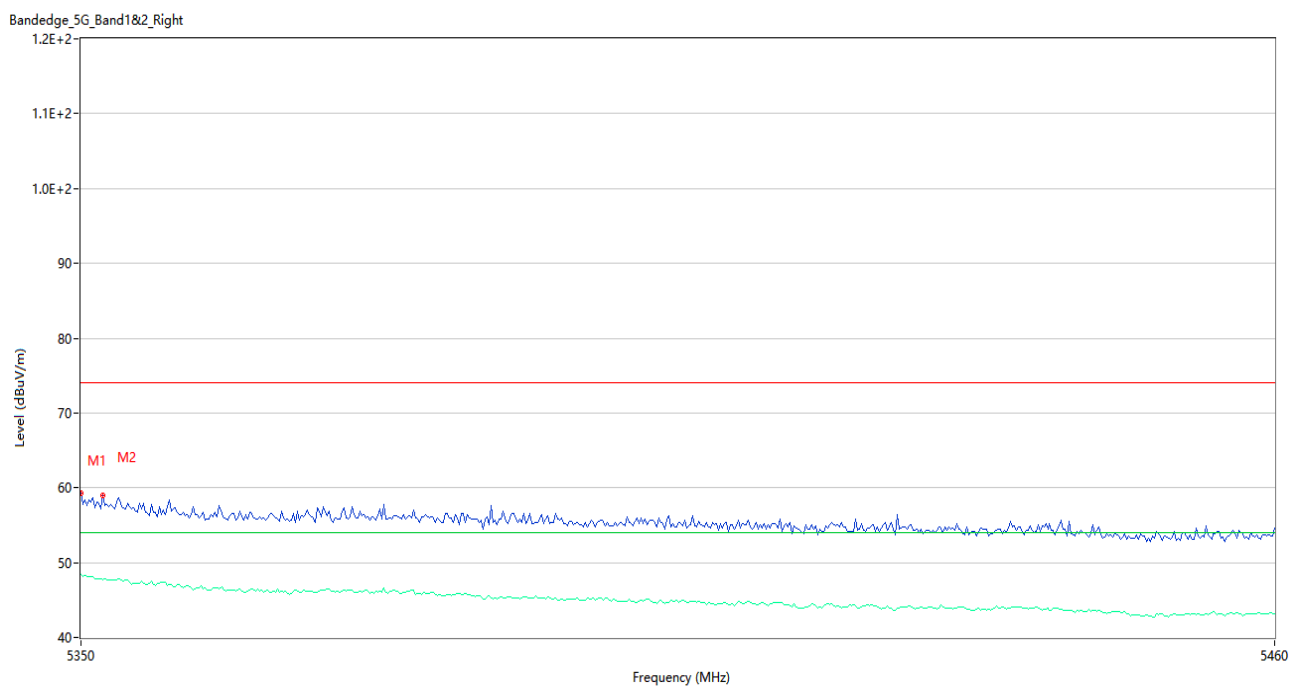
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.05	74.0	18.95	Peak	46.00	100	Horizontal	Pass
1**	5350.000	44.78	54.0	9.22	AV	46.00	100	Horizontal	Pass
2	5447.091	56.60	74.0	17.40	Peak	340.00	200	Horizontal	Pass
2**	5447.091	45.26	54.0	8.74	AV	340.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5128.517	56.26	74.0	17.74	Peak	352.00	100	Horizontal	Pass
1**	5128517	43.79	54.0	10.21	AV	352.00	100	Horizontal	Pass
2	5150.000	54.73	74.0	19.27	Peak	225.00	200	Horizontal	Pass
2**	5150.000	43.81	54.0	10.19	AV	225.00	200	Horizontal	Pass

U-NII-2A 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.27	74.0	15.73	Peak	238.00	300	Horizontal	Pass
1**	5350.000	48.11	54.0	5.89	AV	238.00	300	Horizontal	Pass
2	5352.890	58.47	74.0	15.53	Peak	175.00	200	Horizontal	Pass
2**	5352.890	47.86	54.0	6.14	AV	175.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4984.325	56.34	74.0	17.66	Peak	196.00	100	Horizontal	Pass
1**	4984.325	43.17	54.0	10.83	AV	196.00	100	Horizontal	Pass
2	5150.000	54.84	74.0	19.16	Peak	49.00	300	Horizontal	Pass
2**	5150.000	44.07	54.0	9.93	AV	49.00	300	Horizontal	Pass

U-NII-2A 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.97	74.0	16.03	Peak	240.00	200	Horizontal	Pass
1**	5350.000	47.92	54.0	6.08	AV	240.00	200	Horizontal	Pass
2	5351.850	58.65	74.0	15.35	Peak	181.00	200	Horizontal	Pass
2**	5351.850	47.36	54.0	6.64	AV	181.00	200	Horizontal	Pass

U-NII-2A 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4984.829	56.18	74.0	17.82	Peak	33.00	200	Horizontal	Pass
1**	4984.829	43.44	54.0	10.56	AV	33.00	200	Horizontal	Pass
2	5150.000	54.04	74.0	19.96	Peak	60.00	200	Horizontal	Pass
2**	5150.000	43.58	54.0	10.42	AV	60.00	200	Horizontal	Pass

U-NII-2A 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.33	74.0	15.67	Peak	331.00	300	Horizontal	Pass
1**	5350.000	47.84	54.0	6.16	AV	331.00	300	Horizontal	Pass
2	5352.863	58.71	74.0	15.29	Peak	150.00	300	Horizontal	Pass
2**	5352.863	47.55	54.0	6.45	AV	150.00	300	Horizontal	Pass

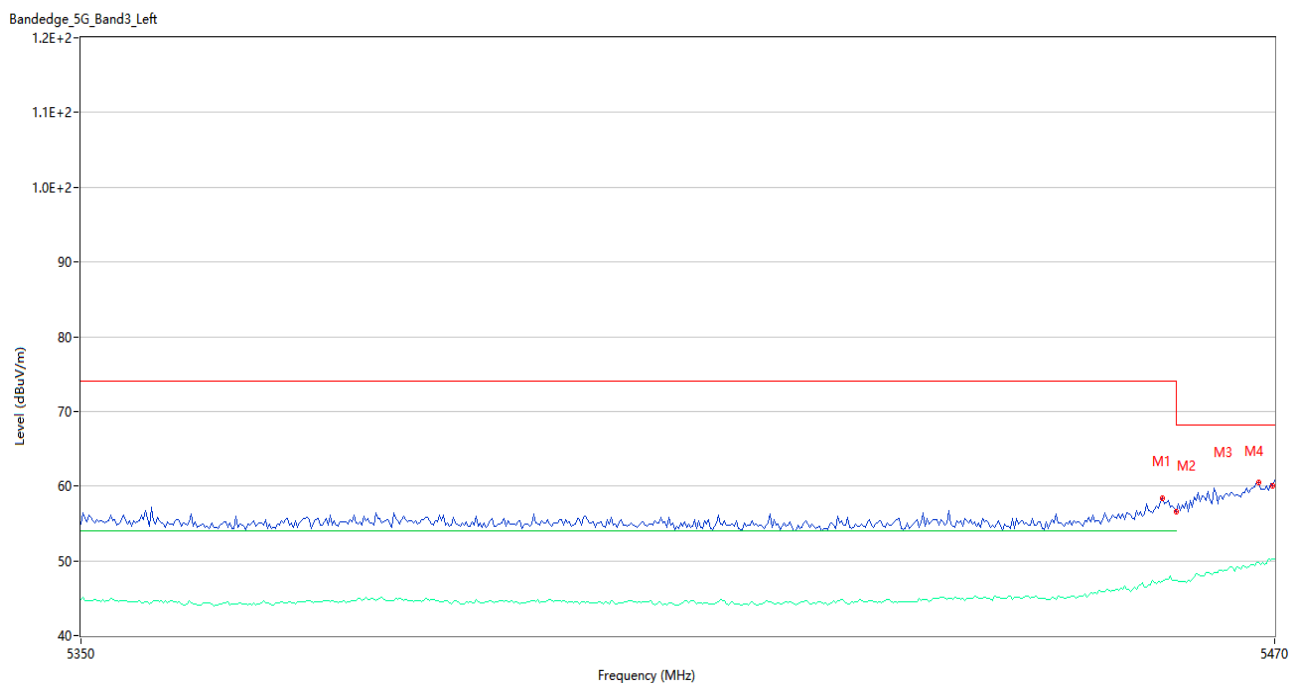
U-NII-2A 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4986.355	55.88	74.0	18.12	Peak	321.00	300	Horizontal	Pass
1**	4986.355	43.10	54.0	10.90	AV	321.00	300	Horizontal	Pass
2	5150.000	54.73	74.0	19.27	Peak	45.00	300	Horizontal	Pass
2**	5150.000	44.00	54.0	10.00	AV	45.00	300	Horizontal	Pass

U-NII-2A 11ax20(SU) High Channel

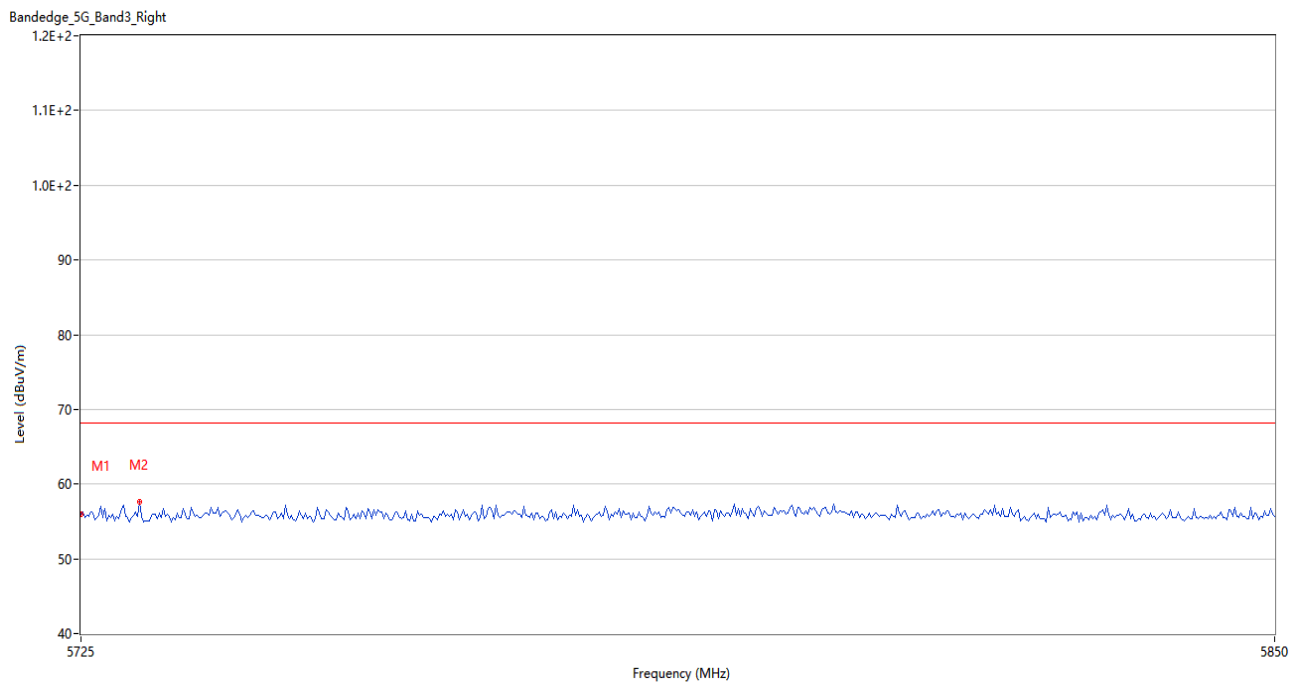
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.76	74.0	16.24	Peak	108.00	100	Horizontal	Pass
1**	5350.000	48.02	54.0	5.98	AV	108.00	100	Horizontal	Pass
2	5351.845	58.62	74.0	15.38	Peak	153.00	200	Horizontal	Pass
2**	5351.845	47.59	54.0	6.41	AV	153.00	200	Horizontal	Pass

U-NII-2C 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.308	57.57	74.0	16.43	Peak	52.00	200	Horizontal	Pass
1**	5455.715	46.38	54.0	7.62	AV	52.00	200	Horizontal	Pass
2	5460.000	55.95	74.0	18.05	Peak	233.00	100	Horizontal	Pass
2**	5460.000	47.17	54.0	6.83	AV	233.00	100	Horizontal	Pass
3	5466.714	59.72	68.2	8.48	Peak	292.00	200	Horizontal	Pass
3**	5467.865	49.24	--	--	AV	292.00	200	Horizontal	N/A
4	5470.000	59.88	68.2	8.32	Peak	75.00	300	Horizontal	Pass
4**	5470.000	49.22	--	--	AV	75.00	300	Horizontal	N/A

U-NII-2C 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.56	68.2	12.64	Peak	209.00	200	Horizontal	Pass
2	5777.160	57.52	68.2	10.68	Peak	22.00	300	Horizontal	Pass

U-NII-2C 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.665	57.25	74.0	16.75	Peak	346.00	100	Horizontal	Pass
1**	5457.733	45.27	54.0	8.73	AV	346.00	100	Horizontal	Pass
2	5460.000	55.97	74.0	18.03	Peak	348.00	100	Horizontal	Pass
2**	5460.000	46.23	54.0	7.77	AV	348.00	100	Horizontal	Pass
3	5467.682	57.11	68.2	11.09	Peak	244.00	300	Horizontal	Pass
3**	5467.111	46.21	--	--	AV	244.00	300	Horizontal	N/A
4	5470.000	54.88	68.2	13.32	Peak	85.00	300	Horizontal	Pass
4**	5470.000	46.89	--	--	AV	85.00	300	Horizontal	N/A

U-NII-2C 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.50	68.2	12.70	Peak	9.00	300	Horizontal	Pass
2	5777.155	57.25	68.2	10.95	Peak	268.00	100	Horizontal	Pass

U-NII-2C 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.633	56.86	74.0	17.14	Peak	7.00	300	Horizontal	Pass
1**	5456.614	45.13	54.0	8.87	AV	7.00	300	Horizontal	Pass
2	5460.000	55.65	74.0	18.35	Peak	211.00	100	Horizontal	Pass
2**	5460.000	46.49	54.0	7.51	AV	211.00	100	Horizontal	Pass
3	5465.515	56.60	68.2	11.60	Peak	206.00	100	Horizontal	Pass
3**	5465.402	46.40	--	--	AV	206.00	100	Horizontal	N/A
4	5470.000	55.48	68.2	12.72	Peak	272.00	200	Horizontal	Pass
4**	5470.000	46.61	--	--	AV	272.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.97	68.2	12.23	Peak	53.00	100	Horizontal	Pass
2	5776.681	57.23	68.2	10.97	Peak	281.00	300	Horizontal	Pass

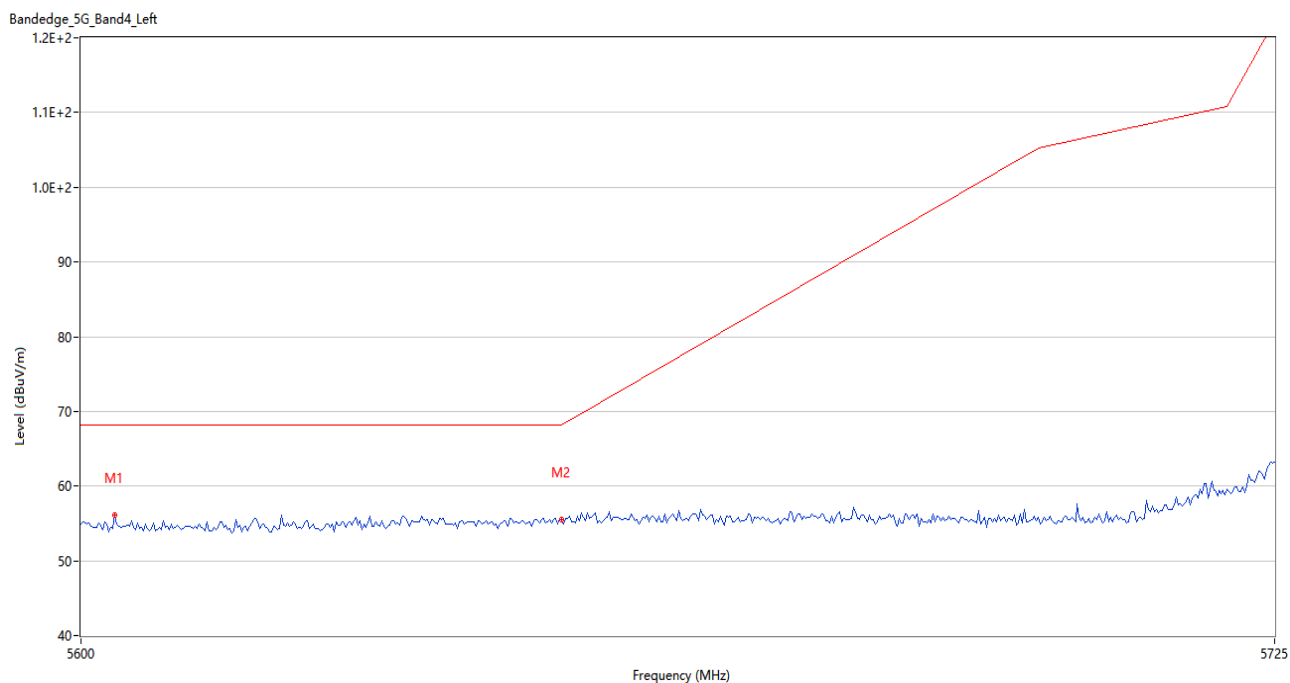
U-NII-2C 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5411.440	57.03	74.0	16.97	Peak	238.00	300	Horizontal	Pass
1**	5411.187	44.69	54.0	9.31	AV	238.00	300	Horizontal	Pass
2	5460.000	56.02	74.0	17.98	Peak	286.00	200	Horizontal	Pass
2**	5460.000	45.76	54.0	8.24	AV	286.00	200	Horizontal	Pass
3	5468.481	57.43	68.2	10.77	Peak	263.00	200	Horizontal	Pass
3**	5467.386	46.89	--	--	AV	263.00	200	Horizontal	N/A
4	5470.000	54.78	68.2	13.42	Peak	51.00	300	Horizontal	Pass
4**	5470.000	46.88	--	--	AV	51.00	300	Horizontal	N/A

U-NII-2C 11ax20(SU) High Channel

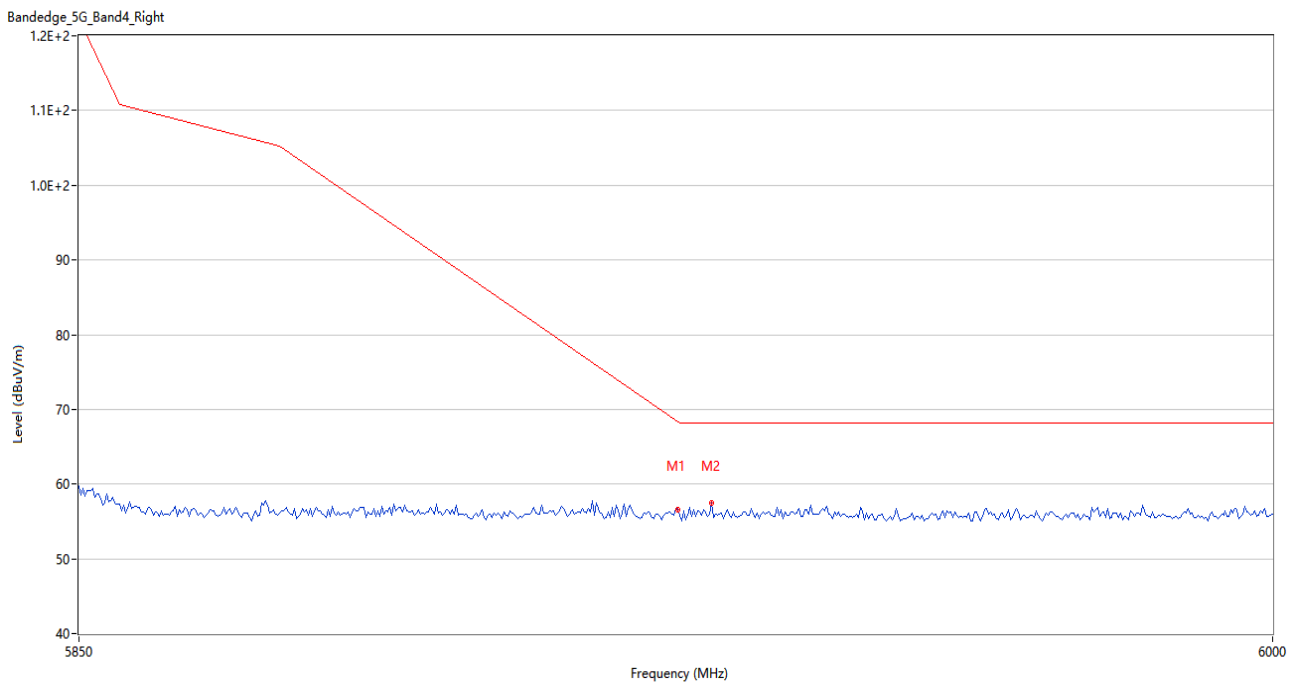
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.35	68.2	12.85	Peak	312.00	300	Horizontal	Pass
2	5776.217	57.67	68.2	10.53	Peak	47.00	300	Horizontal	Pass

U-NII-3 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5603.170	56.02	68.2	12.18	Peak	25.00	300	Horizontal	Pass
2	5650.000	55.48	68.2	12.72	Peak	25.00	300	Horizontal	Pass

U-NII-3 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.40	68.4	12.00	Peak	122.00	100	Horizontal	Pass
2	5929.173	57.28	68.2	10.92	Peak	178.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5602.129	55.681	68.2	12.52	Peak	167.00	300	Horizontal	Pass
2	5650.000	55.654	68.2	12.55	Peak	167.00	300	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.601	68.4	13.80	Peak	195.00	100	Horizontal	Pass
2	5929.660	54.422	68.2	13.78	Peak	106.00	100	Horizontal	Pass

U-NII-3 11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5599.638	54.091	68.2	14.11	Peak	205.00	100	Horizontal	Pass
2	5650.000	53.964	68.2	14.24	Peak	205.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	53.461	68.4	14.94	Peak	156.00	100	Horizontal	Pass
2	5931.488	54.612	68.2	13.59	Peak	76.00	300	Horizontal	Pass

U-NII-3 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5594.026	49.211	68.2	18.99	Peak	100.00	100	Horizontal	Pass
2	5650.000	50.564	68.2	17.64	Peak	100.00	100	Horizontal	Pass

U-NII-3 11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	51.001	68.4	17.40	Peak	311.00	200	Horizontal	Pass
2	5936.995	51.722	68.2	16.48	Peak	251.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26030539-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26030539-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26030539-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
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