

# TEST REPORT

**Applicant:** Xiaomi Communications Co., Ltd.  
**Address:** #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road,  
Haidian District, Beijing, China, 100085  
**Equipment Type:** Mobile Phone  
**Model Name:** 25057RN09G  
**Brand Name:** Redmi  
**FCC ID:** 2AFZZRN09G  
**Test Standard:** 47 CFR Part 15 Subpart E  
(refer to section 3.1)  
**Sample Arrival Date:** May 12, 2025  
**Test Date:** May 19, 2025 - May 23, 2025  
**Date of Issue:** Jun. 18, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Li Ganming

**Checked by:** Ye Hongji

**Approved by:** Sunny Zou

(Technical Director)

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*Sunny Zou*

<b>Revision History</b>		
Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 18, 2025</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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

Applicant	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

### 2.2 Manufacturer Information

Manufacturer	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

### 2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	25057RN09G
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	135300O19
Software Version	Xiaomi HyperOS 2.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	S33, S17
IMEI Number	S17: IMEI1: 868392070064904; IMEI2: 868392070064912
	S33: IMEI1: 868392070084803; IMEI2: 868392070084811

### 2.4 Technical Information

Network and Wireless connectivity	<p>2G Network GSM/GPRS/EDGE 850/900</p> <p>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5</p> <p>4G Network FDD LTE Band 2/4/5/7/12/13/17/18/19/26/66/71 TDD LTE Band 38/41/42/48</p> <p>LTE CA Uplink (UL): CA_7C, CA_38C, CA_2A-4A, CA_2A-7A, CA_4A-5A, CA_4A-7A</p> <p>5G Network</p> <p>SA: NR n2/n5/n7/n12/n26/n38/n41/n48/n66/n71/n77/n78</p> <p>NSA(EN-DC): DC_7A_n5A, DC_4A_n7A, DC_5A_n7A, DC_66A_n7A, DC_2A_n38A, DC_4A_n38A, DC_66A_n38A, DC_2A_n41A, DC_4A_n41A, DC_5A_n41A, DC_66A_n41A, DC_2A_n66A, DC_5A_n66A, DC_2A_n77A, DC_18A_n77A,</p>
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	DC_2A_n78A, DC_4A_n78A, DC_5A_n78A, DC_7A_n78A, DC_19A_n78A, DC_26A_n78A, DC_66A_n78A, DC_38A_n78A, DC_41A_n78A Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GPS, GLONASS, Galileo, BDS, NFC
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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	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Modulation technology	OFDM
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 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 50.35 mW U-NII-2A: 54.70 mW U-NII-2C: 56.23 mW U-NII-3: 15.78 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -0.19 dBi U-NII-2A: 5250 MHz to 5350 MHz: -0.04 dBi U-NII-2C: 5470 MHz to 5725 MHz: 0.62 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.43 dBi
About the Product	The equipment is Mobile Phone, intended for used with information technology equipment.

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		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
<b>36</b>	<b>5180</b>	<b>38</b>	<b>5190</b>	<b>42</b>	<b>5210</b>
40	5200	<b>46</b>	<b>5230</b>	<b>58</b>	<b>5290</b>
<b>44</b>	<b>5220</b>	<b>54</b>	<b>5270</b>	<b>106</b>	<b>5530</b>
<b>48</b>	<b>5240</b>	<b>62</b>	<b>5310</b>	122	5610
<b>52</b>	<b>5260</b>	<b>102</b>	<b>5510</b>	<b>155</b>	<b>5775</b>
56	5280	110	5550		
<b>60</b>	<b>5300</b>	118	5590		
<b>64</b>	<b>5320</b>	126	5630		
<b>100</b>	<b>5500</b>	134	5670		
104	5520	<b>151</b>	<b>5755</b>		
108	5540	<b>159</b>	<b>5795</b>		
112	5560				
<b>116</b>	<b>5580</b>				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
<b>140</b>	<b>5700</b>				
<b>149</b>	<b>5745</b>				
153	5765				
<b>157</b>	<b>5785</b>				
161	5805				
<b>165</b>	<b>5825</b>				

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)

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

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670	--	--	--

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	58	Mid	5290

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Mid	5775
122	High	5610	--	--	--

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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

### 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	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

#### 3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass <sup>Note1</sup>
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass

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

Note <sup>2</sup>: 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	43% to 64%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.1°C to +26.1°C
Working Voltage of the EUT	NV (Normal Voltage)	3.85V

### 4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2025.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

### 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.

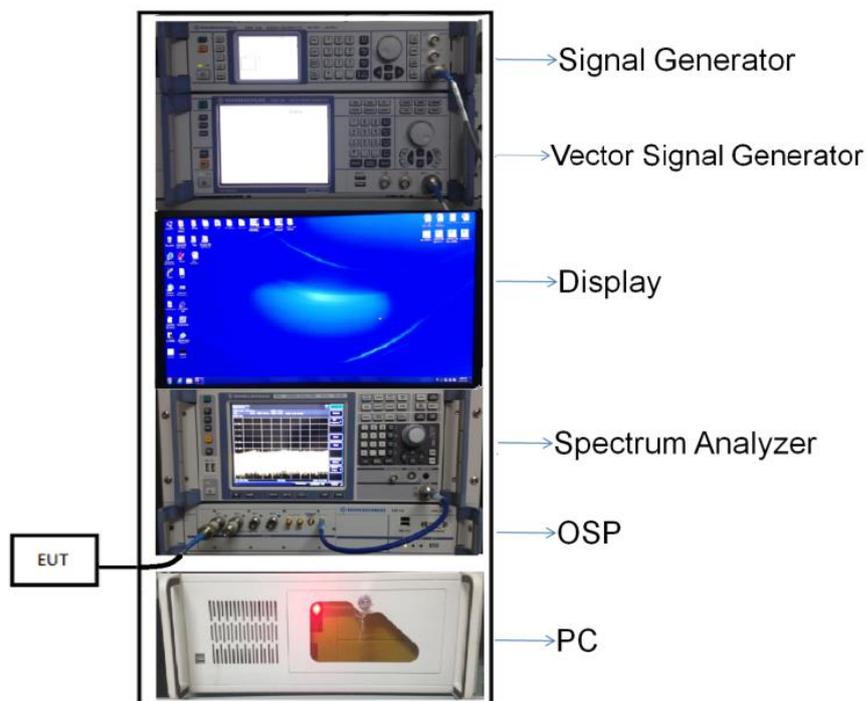
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

### 4.5 Description of Test Setup

#### 4.5.1 For Antenna Port Test

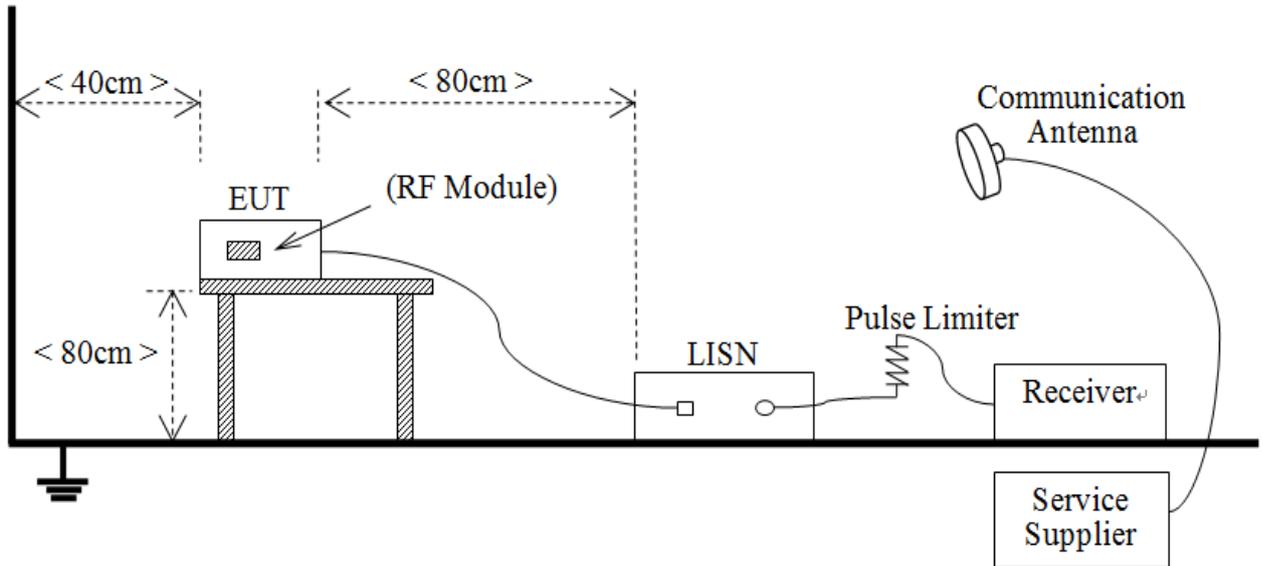
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



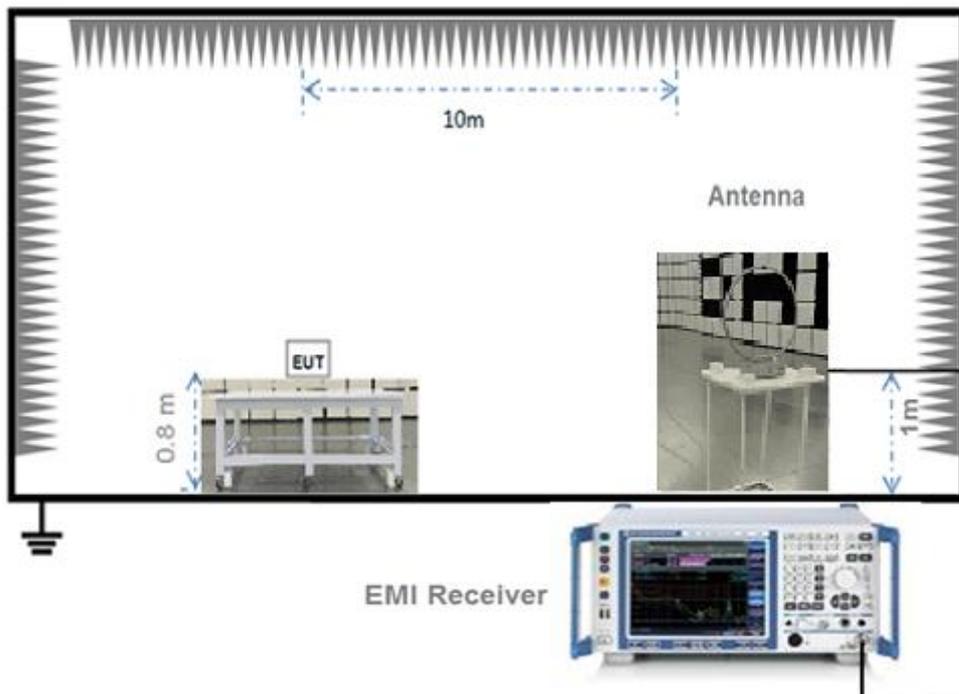
(Diagram 1)

4.5.2 For AC Power Supply Port Test



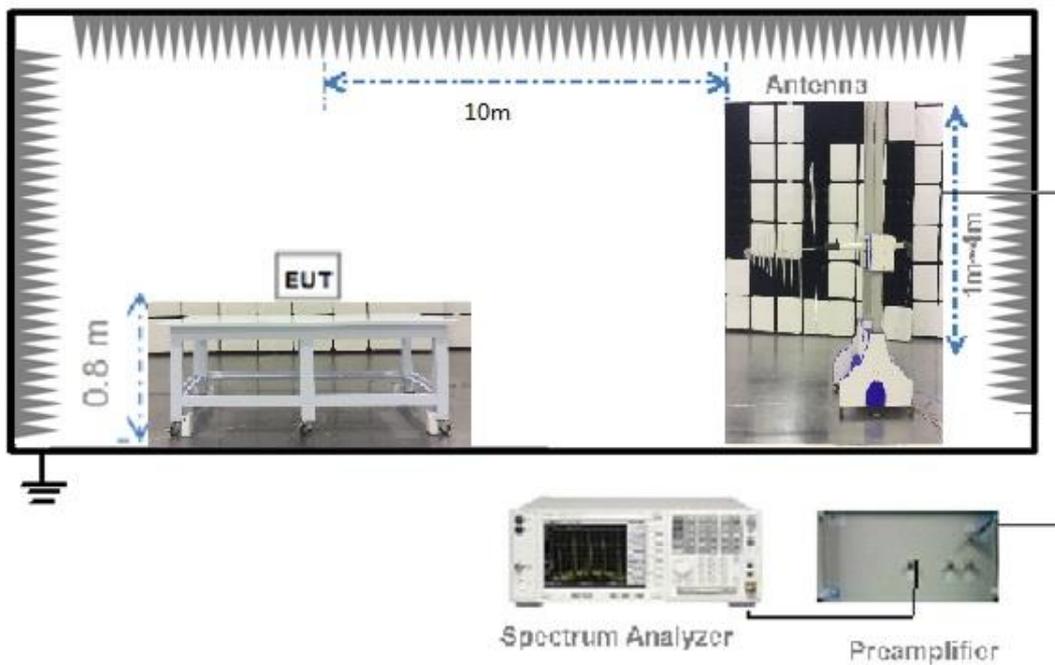
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



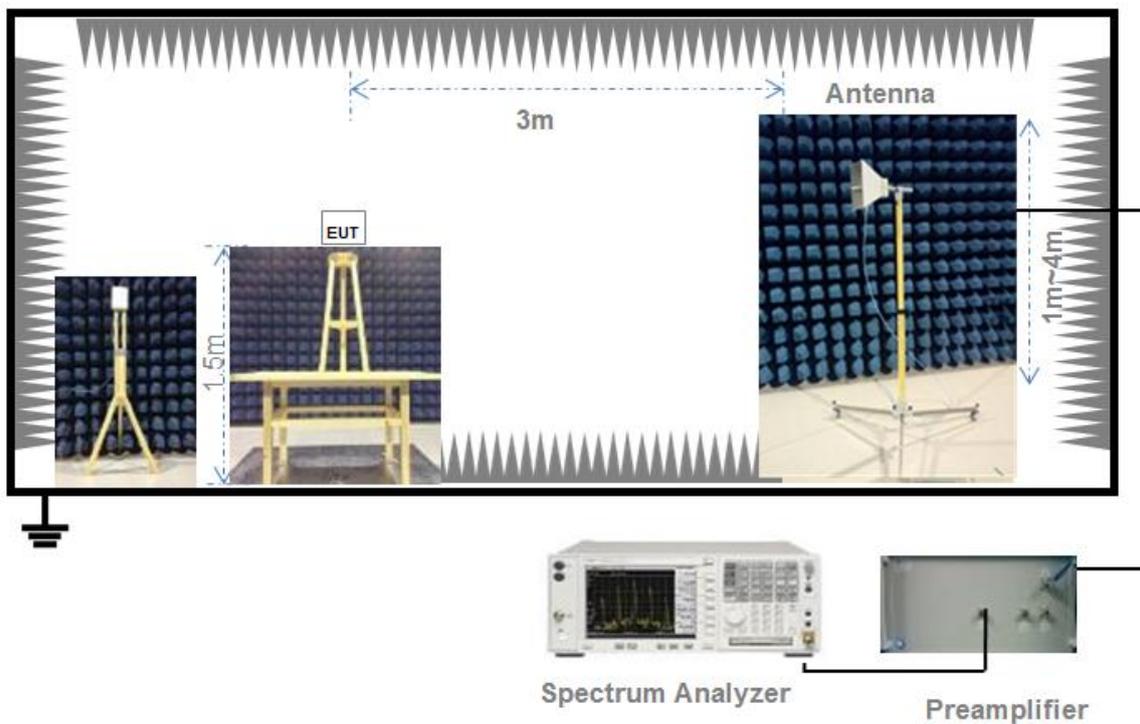
(Diagram 3)

#### 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.	

#### 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 C63.4 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, 6.2

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

### 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\*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 C63.4 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

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 $\mu$ H/50 $\Omega$  line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB $\mu$ 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)

Frequency (MHz)	Field Strength (µV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note<sup>1</sup>: The Limit for radiated test was performed according to FCC Part 15C

Note<sup>2</sup>: 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	<p>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.</p>

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  $\leq 30$  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 $\mu$ 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  $\geq 98$  percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than  $\pm 2$  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 ( $\geq 98$  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.

#### Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.20	2.24	98.26%	0.08
11n(HT20)/11ac(VHT20)	2.05	2.09	98.27%	0.08
11n(HT40)/11ac(VHT40)	1.00	1.04	96.35%	0.16
11ac(VHT80)	0.49	0.52	93.09%	0.31

#### Test Data

##### Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.50	44.67	250	Pass
11a	CH44	16.88	48.75	250	Pass
11a	CH48	17.02	50.35	250	Pass
11n(HT20)	CH36	15.60	36.31	250	Pass
11n(HT20)	CH44	16.05	40.27	250	Pass
11n(HT20)	CH48	15.95	39.36	250	Pass
11n(HT40)	CH38	15.30	33.88	250	Pass
11n(HT40)	CH46	15.62	36.48	250	Pass
11ac(VHT20)	CH36	15.61	36.39	250	Pass
11ac(VHT20)	CH44	16.02	39.99	250	Pass
11ac(VHT20)	CH48	15.96	39.45	250	Pass
11ac(VHT40)	CH38	15.36	34.36	250	Pass
11ac(VHT40)	CH46	15.63	36.56	250	Pass
11ac(VHT80)	CH42	14.47	27.99	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.38	54.70	250	Pass
11a	CH60	17.10	51.29	250	Pass
11a	CH64	17.16	52.00	250	Pass
11n(HT20)	CH52	16.35	43.15	250	Pass
11n(HT20)	CH60	16.07	40.46	250	Pass
11n(HT20)	CH64	16.11	40.83	250	Pass
11n(HT40)	CH54	15.86	38.55	250	Pass
11n(HT40)	CH62	15.70	37.15	250	Pass
11ac(VHT20)	CH52	16.22	41.88	250	Pass
11ac(VHT20)	CH60	16.04	40.18	250	Pass
11ac(VHT20)	CH64	16.08	40.55	250	Pass
11ac(VHT40)	CH54	15.83	38.28	250	Pass
11ac(VHT40)	CH62	15.69	37.07	250	Pass
11ac(VHT80)	CH58	14.84	30.48	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	17.50	56.23	250	Pass
11a	CH116	17.35	54.33	250	Pass
11a	CH140	17.11	51.40	250	Pass
11n(HT20)	CH100	16.36	43.25	250	Pass
11n(HT20)	CH116	16.24	42.07	250	Pass
11n(HT20)	CH140	15.96	39.45	250	Pass
11n(HT40)	CH102	15.90	38.90	250	Pass
11n(HT40)	CH118	15.69	37.07	250	Pass
11n(HT40)	CH134	15.43	34.91	250	Pass
11ac(VHT20)	CH100	16.37	43.35	250	Pass
11ac(VHT20)	CH116	16.26	42.27	250	Pass
11ac(VHT20)	CH140	15.94	39.26	250	Pass
11ac(VHT40)	CH102	15.90	38.90	250	Pass
11ac(VHT40)	CH118	15.62	36.48	250	Pass
11ac(VHT40)	CH134	15.38	34.51	250	Pass
11ac(VHT80)	CH106	14.98	31.48	250	Pass
11ac(VHT80)	CH122	14.54	28.44	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	10.64	11.59	1000	Pass
11a	CH157	11.45	13.96	1000	Pass
11a	CH165	11.03	12.68	1000	Pass
11n(HT20)	CH149	10.50	11.22	1000	Pass
11n(HT20)	CH157	11.35	13.65	1000	Pass
11n(HT20)	CH165	10.92	12.36	1000	Pass
11n(HT40)	CH151	10.93	12.39	1000	Pass
11n(HT40)	CH159	11.98	15.78	1000	Pass
11ac(VHT20)	CH149	10.48	11.17	1000	Pass
11ac(VHT20)	CH157	11.30	13.49	1000	Pass
11ac(VHT20)	CH165	10.90	12.30	1000	Pass
11ac(VHT40)	CH151	10.96	12.47	1000	Pass
11ac(VHT40)	CH159	11.93	15.60	1000	Pass
11ac(VHT80)	CH155	11.05	12.74	1000	Pass

## A.2 Emission Bandwidth & 99% Bandwidth

Note 1: Test plots please refer to the document "Annex No.: BL-SZ2550149-604 Data Part 1.pdf".

### Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.49	16.54
11a	CH44	20.57	16.56
11a	CH48	20.62	16.56
11n(HT20)	CH36	21.07	17.66
11n(HT20)	CH44	20.96	17.66
11n(HT20)	CH48	20.98	17.65
11n(HT40)	CH38	41.72	36.22
11n(HT40)	CH46	41.82	36.25
11ac(VHT20)	CH36	20.91	17.66
11ac(VHT20)	CH44	21.05	16.66
11ac(VHT20)	CH48	21.01	17.67
11ac(VHT40)	CH38	41.67	36.23
11ac(VHT40)	CH46	41.24	36.24
11ac(VHT80)	CH42	83.94	75.83

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.45	16.53
11a	CH60	20.76	16.52
11a	CH64	20.54	16.55
11n(HT20)	CH52	21.02	17.66
11n(HT20)	CH60	20.91	17.67
11n(HT20)	CH64	21.02	17.66
11n(HT40)	CH54	41.54	36.21
11n(HT40)	CH62	41.80	36.22
11ac(VHT20)	CH52	21.02	17.64
11ac(VHT20)	CH60	20.99	17.66
11ac(VHT20)	CH64	21.00	17.65
11ac(VHT40)	CH54	41.70	36.22
11ac(VHT40)	CH62	41.39	36.24
11ac(VHT80)	CH58	83.73	75.73

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.69	16.54
11a	CH116	20.89	16.55
11a	CH140	20.61	16.54
11n(HT20)	CH100	20.81	17.66
11n(HT20)	CH116	20.85	17.67
11n(HT20)	CH140	20.93	17.66
11n(HT40)	CH102	41.69	36.23
11n(HT40)	CH118	41.82	36.23
11n(HT40)	CH134	41.51	36.23
11ac(VHT20)	CH100	20.94	17.66
11ac(VHT20)	CH116	20.89	17.66
11ac(VHT20)	CH140	20.91	17.66
11ac(VHT40)	CH102	41.46	36.22
11ac(VHT40)	CH118	41.60	36.23
11ac(VHT40)	CH134	41.33	36.26
11ac(VHT80)	CH106	83.75	75.70
11ac(VHT80)	CH122	84.13	75.75

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.83	16.58
11a	CH157	20.78	16.56
11a	CH165	20.90	16.60
11n(HT20)	CH149	21.07	17.68
11n(HT20)	CH157	20.96	17.69
11n(HT20)	CH165	20.98	17.68
11n(HT40)	CH151	41.70	36.28
11n(HT40)	CH159	41.43	36.25
11ac(VHT20)	CH149	21.00	17.66
11ac(VHT20)	CH157	20.94	17.67
11ac(VHT20)	CH165	21.05	17.68
11ac(VHT40)	CH151	41.68	36.28
11ac(VHT40)	CH159	41.55	36.28
11ac(VHT80)	CH155	84.24	75.88

### A.3 6 dB Bandwidth

Note 1: Test plots please refer to the document "Annex No.: BL-SZ2550149-604 Data Part 2.pdf".

#### 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	16.20	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n(HT20)	CH149	17.20	500.00	Pass
11n(HT20)	CH157	16.50	500.00	Pass
11n(HT20)	CH165	15.40	500.00	Pass
11n(HT40)	CH151	35.90	500.00	Pass
11n(HT40)	CH159	35.60	500.00	Pass
11ac(VHT20)	CH149	15.20	500.00	Pass
11ac(VHT20)	CH157	15.40	500.00	Pass
11ac(VHT20)	CH165	15.20	500.00	Pass
11ac(VHT40)	CH151	36.00	500.00	Pass
11ac(VHT40)	CH159	35.90	500.00	Pass
11ac(VHT80)	CH155	75.30	500.00	Pass

## A.4 Power Spectral Density

Note 1: Test plots please refer to the document "Annex No.: BL-SZ2550149-604 Data Part 3.pdf".

### Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5.61	11.00	Pass
11a	CH44	5.98	11.00	Pass
11a	CH48	6.19	11.00	Pass
11n(HT20)	CH36	4.45	11.00	Pass
11n(HT20)	CH44	4.87	11.00	Pass
11n(HT20)	CH48	4.80	11.00	Pass
11n(HT40)	CH38	1.03	11.00	Pass
11n(HT40)	CH46	1.37	11.00	Pass
11ac(VHT20)	CH36	4.44	11.00	Pass
11ac(VHT20)	CH44	4.87	11.00	Pass
11ac(VHT20)	CH48	4.77	11.00	Pass
11ac(VHT40)	CH38	1.11	11.00	Pass
11ac(VHT40)	CH46	1.36	11.00	Pass
11ac(VHT80)	CH42	-3.01	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	6.35	11.00	Pass
11a	CH60	6.18	11.00	Pass
11a	CH64	6.20	11.00	Pass
11n(HT20)	CH52	5.10	11.00	Pass
11n(HT20)	CH60	4.83	11.00	Pass
11n(HT20)	CH64	4.94	11.00	Pass
11n(HT40)	CH54	1.65	11.00	Pass
11n(HT40)	CH62	1.37	11.00	Pass
11ac(VHT20)	CH52	5.10	11.00	Pass
11ac(VHT20)	CH60	4.86	11.00	Pass
11ac(VHT20)	CH64	4.94	11.00	Pass
11ac(VHT40)	CH54	1.69	11.00	Pass
11ac(VHT40)	CH62	1.33	11.00	Pass
11ac(VHT80)	CH58	-2.75	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	6.54	11.00	Pass
11a	CH116	6.44	11.00	Pass
11a	CH140	6.13	11.00	Pass
11n(HT20)	CH100	5.23	11.00	Pass
11n(HT20)	CH116	5.01	11.00	Pass
11n(HT20)	CH140	4.70	11.00	Pass
11n(HT40)	CH102	1.73	11.00	Pass
11n(HT40)	CH118	1.41	11.00	Pass
11n(HT40)	CH134	1.20	11.00	Pass
11ac(VHT20)	CH100	5.23	11.00	Pass
11ac(VHT20)	CH116	5.00	11.00	Pass
11ac(VHT20)	CH140	4.77	11.00	Pass
11ac(VHT40)	CH102	1.64	11.00	Pass
11ac(VHT40)	CH118	1.36	11.00	Pass
11ac(VHT40)	CH134	1.04	11.00	Pass
11ac(VHT80)	CH106	-2.45	11.00	Pass
11ac(VHT80)	CH122	-2.86	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-3.11	30.00	Pass
11a	CH157	-2.25	30.00	Pass
11a	CH165	-2.68	30.00	Pass
11n(HT20)	CH149	-3.46	30.00	Pass
11n(HT20)	CH157	-2.71	30.00	Pass
11n(HT20)	CH165	-3.06	30.00	Pass
11n(HT40)	CH151	-6.31	30.00	Pass
11n(HT40)	CH159	-5.17	30.00	Pass
11ac(VHT20)	CH149	-3.58	30.00	Pass
11ac(VHT20)	CH157	-2.65	30.00	Pass
11ac(VHT20)	CH165	-2.91	30.00	Pass
11ac(VHT40)	CH151	-6.19	30.00	Pass
11ac(VHT40)	CH159	-5.21	30.00	Pass
11ac(VHT80)	CH155	-9.35	30.00	Pass

## A.5 Conducted Emissions

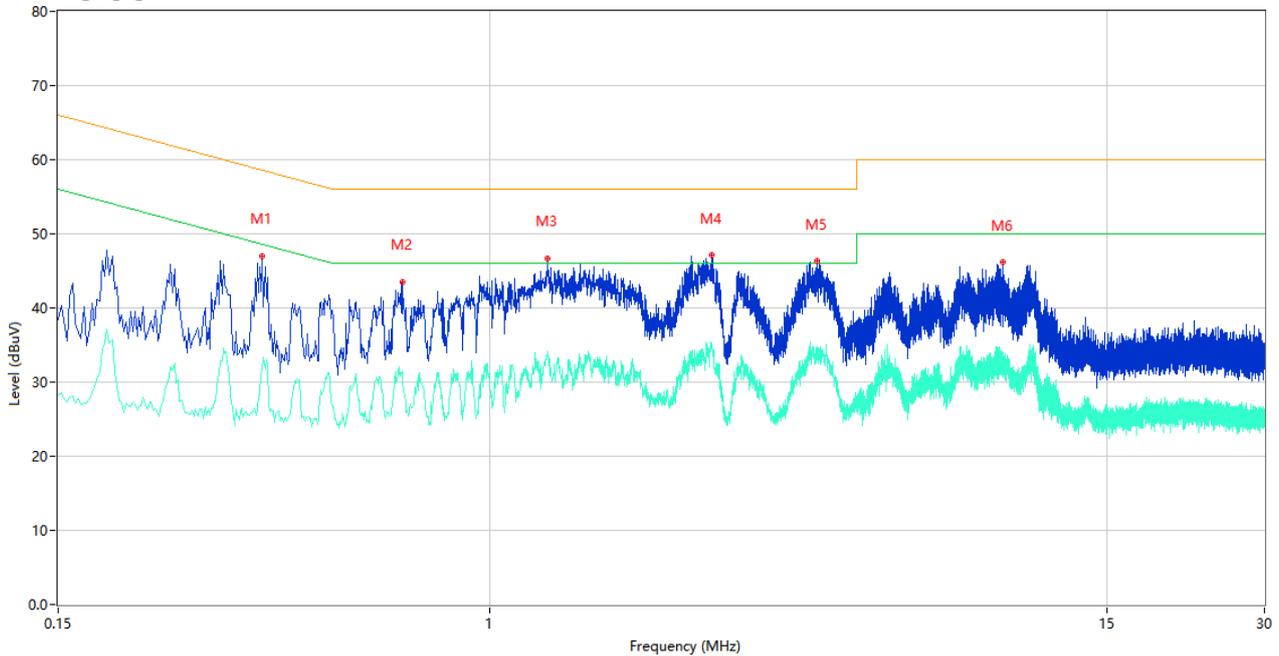
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: 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.

### Test Data and Plots

#### PHASE L

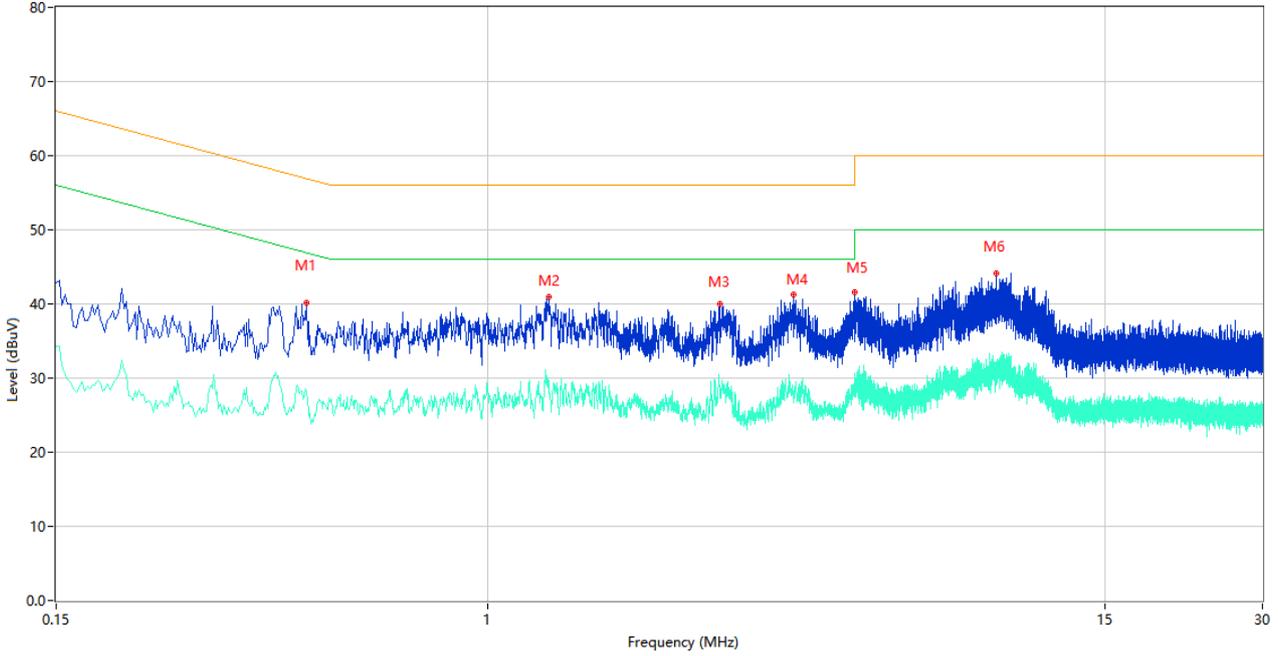
CE Test case\_FCC\_CE\_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.368	47.01	10.73	58.55	11.54	Peak	L	Pass
1**	0.368	31.38	10.73	48.55	17.17	AV	L	Pass
2	0.680	43.57	10.49	56.00	12.43	Peak	L	Pass
2**	0.680	31.39	10.49	46.00	14.61	AV	L	Pass
3	1.284	46.61	10.50	56.00	9.39	Peak	L	Pass
3**	1.284	34.15	10.50	46.00	11.85	AV	L	Pass
4	2.652	47.13	10.21	56.00	8.87	Peak	L	Pass
4**	2.652	34.50	10.21	46.00	11.50	AV	L	Pass
5	4.196	46.29	10.15	56.00	9.71	Peak	L	Pass
5**	4.196	34.59	10.15	46.00	11.41	AV	L	Pass
6	9.494	46.11	10.32	60.00	13.89	Peak	L	Pass
6**	9.494	33.47	10.32	50.00	16.53	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	0.450	40.18	10.05	56.88	16.70	Peak	N	Pass
1**	0.450	28.18	10.05	46.88	18.70	AV	N	Pass
2	1.304	40.98	10.47	56.00	15.02	Peak	N	Pass
2**	1.304	29.64	10.47	46.00	16.36	AV	N	Pass
3	2.772	39.98	10.30	56.00	16.02	Peak	N	Pass
3**	2.772	28.75	10.30	46.00	17.25	AV	N	Pass
4	3.820	41.24	10.33	56.00	14.76	Peak	N	Pass
4**	3.820	27.84	10.33	46.00	18.16	AV	N	Pass
5	4.992	41.52	10.42	56.00	14.48	Peak	N	Pass
5**	4.992	28.26	10.42	46.00	17.74	AV	N	Pass
6	9.308	44.19	10.27	60.00	15.81	Peak	N	Pass
6**	9.308	29.69	10.27	50.00	20.31	AV	N	Pass

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

Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, According the ANSI C63.4, 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.

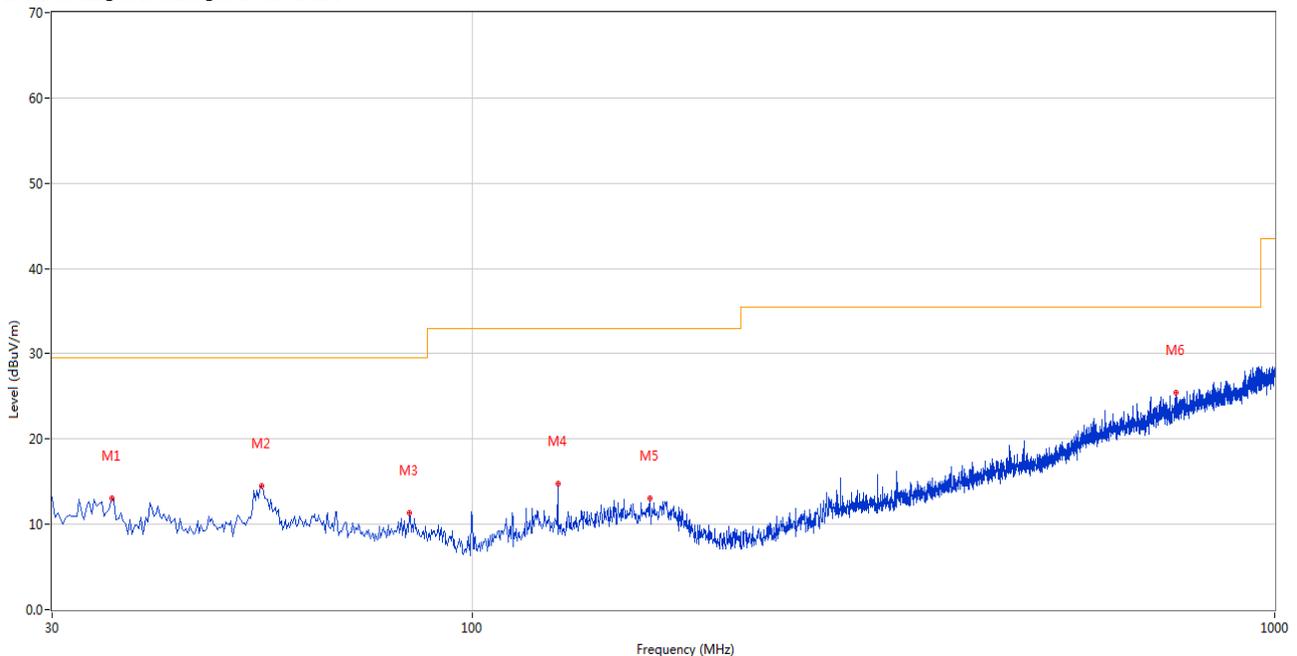
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: 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

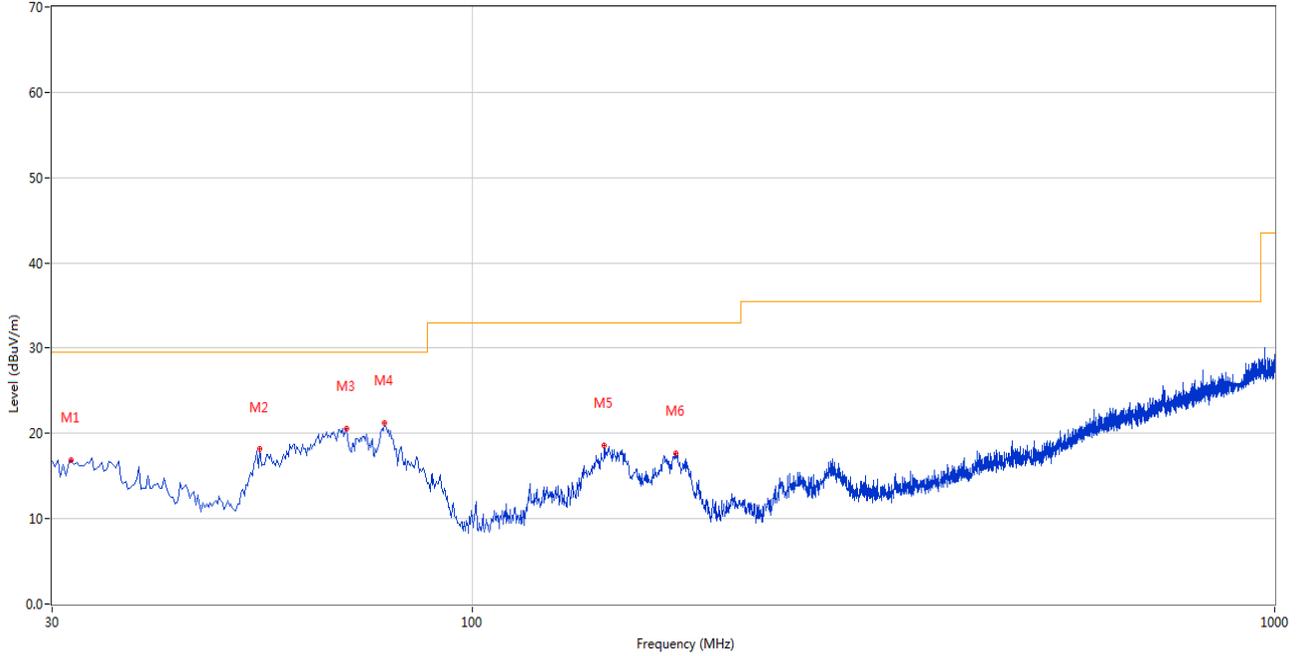
10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.576	13.10	-27.05	29.5	16.40	Peak	360.00	100	Horizontal	Pass
2	54.729	14.49	-27.13	29.5	15.01	Peak	195.00	100	Horizontal	Pass
3	83.579	11.37	-30.23	29.5	18.13	Peak	335.00	100	Horizontal	Pass
4	127.946	14.80	-27.47	33.0	18.20	Peak	146.00	100	Horizontal	Pass
5	166.493	13.03	-26.33	33.0	19.97	Peak	136.00	100	Horizontal	Pass
6	753.197	25.51	-13.38	35.5	9.99	Peak	183.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.697	17.60	-26.99	29.5	11.90	Peak	279.00	100	Vertical	Pass
2	54.486	18.13	-27.12	29.5	11.37	Peak	196.00	200	Vertical	Pass
3	69.760	20.53	-29.01	29.5	8.97	Peak	214.00	200	Vertical	Pass
4	77.761	21.23	-29.88	29.5	8.27	Peak	146.00	100	Vertical	Pass
5	146.128	18.55	-26.29	33.0	14.45	Peak	304.00	100	Vertical	Pass
6	179.343	17.63	-27.58	33.0	15.37	Peak	273.00	100	Vertical	Pass

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

#### 11a, 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	1505.600	37.47	74.0	36.53	Peak	35.00	400	Horizontal	Pass
1**	1505.600	27.87	54.0	26.13	AV	35.00	400	Horizontal	Pass
2	4311.400	48.93	74.0	25.07	Peak	202.00	200	Horizontal	Pass
2**	4311.400	38.83	54.0	15.17	AV	202.00	200	Horizontal	Pass
3	5178.000	109.67	--	--	Peak	249.00	200	Horizontal	N/A
3**	5178.000	102.68	--	--	AV	249.00	200	Horizontal	N/A
4	7365.125	45.98	74.0	28.02	Peak	0.00	100	Horizontal	Pass
4**	7365.125	36.73	54.0	17.27	AV	0.00	100	Horizontal	Pass
5	12035.849	47.71	74.0	26.29	Peak	339.00	100	Horizontal	Pass
5**	12035.849	38.07	54.0	15.93	AV	339.00	100	Horizontal	Pass
6	15577.650	51.15	74.0	22.85	Peak	321.00	400	Horizontal	Pass
6**	15577.650	42.04	54.0	11.96	AV	321.00	400	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	1499.400	39.14	74.0	34.86	Peak	310.00	200	Vertical	Pass
1**	1499.400	30.68	54.0	23.32	AV	310.00	200	Vertical	Pass
2	4394.400	47.89	74.0	26.11	Peak	250.00	200	Vertical	Pass
2**	4394.400	38.36	54.0	15.64	AV	250.00	200	Vertical	Pass
3	5178.600	99.50	--	--	Peak	153.00	200	Vertical	N/A
3**	5178.600	92.72	--	--	AV	153.00	200	Vertical	N/A
4	7323.725	46.46	74.0	27.54	Peak	219.00	400	Vertical	Pass
4**	7323.725	36.87	54.0	17.13	AV	219.00	400	Vertical	Pass
5	12444.100	47.87	74.0	26.13	Peak	292.00	100	Vertical	Pass
5**	12444.100	38.83	54.0	15.17	AV	292.00	100	Vertical	Pass
6	16080.338	50.98	74.0	23.02	Peak	0.00	400	Vertical	Pass
6**	16080.338	42.50	54.0	11.50	AV	0.00	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	1610.200	36.97	74.0	37.03	Peak	0.00	400	Horizontal	Pass
1**	1610.200	27.75	54.0	26.25	AV	0.00	400	Horizontal	Pass
2	4377.600	47.27	74.0	26.73	Peak	62.00	100	Horizontal	Pass
2**	4377.600	38.39	54.0	15.61	AV	62.00	100	Horizontal	Pass
3	5222.400	109.73	--	--	Peak	242.00	200	Horizontal	N/A
3**	5222.400	102.65	--	--	AV	242.00	200	Horizontal	N/A
4	7472.362	46.01	74.0	27.99	Peak	213.00	400	Horizontal	Pass
4**	7472.362	36.03	54.0	17.97	AV	213.00	400	Horizontal	Pass
5	11934.937	48.34	74.0	25.66	Peak	238.00	150	Horizontal	Pass
5**	11934.937	38.88	54.0	15.12	AV	238.00	150	Horizontal	Pass
6	16072.200	50.87	74.0	23.13	Peak	356.00	200	Horizontal	Pass
6**	16072.200	40.52	54.0	13.48	AV	356.00	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	1495.100	39.39	74.0	34.61	Peak	78.00	100	Vertical	Pass
1**	1495.100	30.67	54.0	23.33	AV	78.00	100	Vertical	Pass
2	4368.600	47.25	74.0	26.75	Peak	233.00	100	Vertical	Pass
2**	4368.600	38.12	54.0	15.88	AV	233.00	100	Vertical	Pass
3	5221.000	101.76	--	--	Peak	124.00	200	Vertical	N/A
3**	5221.000	95.00	--	--	AV	124.00	200	Vertical	N/A
4	7341.263	46.71	74.0	27.29	Peak	13.00	300	Vertical	Pass
4**	7341.263	36.57	54.0	17.43	AV	13.00	300	Vertical	Pass
5	11992.724	47.61	74.0	26.39	Peak	287.00	200	Vertical	Pass
5**	11992.724	37.67	54.0	16.33	AV	287.00	200	Vertical	Pass
6	16039.125	50.35	74.0	23.65	Peak	358.00	200	Vertical	Pass
6**	16039.125	40.08	54.0	13.92	AV	358.00	200	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	1486.500	36.85	74.0	37.15	Peak	247.00	400	Horizontal	Pass
1**	1486.500	27.64	54.0	26.36	AV	247.00	400	Horizontal	Pass
2	4162.200	48.21	74.0	25.79	Peak	350.00	100	Horizontal	Pass
2**	4162.200	37.96	54.0	16.04	AV	350.00	100	Horizontal	Pass
3	5238.800	109.74	--	--	Peak	222.00	200	Horizontal	N/A
3**	5238.800	102.28	--	--	AV	222.00	200	Horizontal	N/A
4	7418.600	46.10	74.0	27.90	Peak	0.00	100	Horizontal	Pass
4**	7418.600	36.51	54.0	17.49	AV	0.00	100	Horizontal	Pass
5	12633.850	47.61	74.0	26.39	Peak	314.00	100	Horizontal	Pass
5**	12633.850	38.25	54.0	15.75	AV	314.00	100	Horizontal	Pass
6	15838.312	50.57	74.0	23.43	Peak	220.00	300	Horizontal	Pass
6**	15838.312	41.32	54.0	12.68	AV	220.00	300	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	1493.700	41.13	74.0	32.87	Peak	219.00	200	Vertical	Pass
1**	1493.700	27.95	54.0	26.05	AV	219.00	200	Vertical	Pass
2	4069.200	47.29	74.0	26.71	Peak	14.00	400	Vertical	Pass
2**	4069.200	38.35	54.0	15.65	AV	14.00	400	Vertical	Pass
3	5238.800	100.46	--	--	Peak	143.00	200	Vertical	N/A
3**	5238.800	92.80	--	--	AV	143.00	200	Vertical	N/A
4	7444.763	47.45	74.0	26.55	Peak	187.00	200	Vertical	Pass
4**	7444.763	37.83	54.0	16.17	AV	187.00	200	Vertical	Pass
5	12477.737	47.91	74.0	26.09	Peak	0.00	200	Vertical	Pass
5**	12477.737	38.01	54.0	15.99	AV	0.00	200	Vertical	Pass
6	16078.500	50.33	74.0	23.67	Peak	134.00	400	Vertical	Pass
6**	16078.500	41.61	54.0	12.39	AV	134.00	400	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	1494.900	37.23	74.0	36.77	Peak	47.00	100	Horizontal	Pass
1**	1494.900	28.29	54.0	25.71	AV	47.00	100	Horizontal	Pass
2	3987.200	47.81	74.0	26.19	Peak	94.00	200	Horizontal	Pass
2**	3987.200	37.49	54.0	16.51	AV	94.00	200	Horizontal	Pass
3	5181.200	108.20	--	--	Peak	237.00	150	Horizontal	N/A
3**	5181.200	101.59	--	--	AV	237.00	150	Horizontal	N/A
4	7465.750	46.12	74.0	27.88	Peak	89.00	200	Horizontal	Pass
4**	7465.750	36.50	54.0	17.50	AV	89.00	200	Horizontal	Pass
5	12327.375	47.55	74.0	26.45	Peak	188.00	100	Horizontal	Pass
5**	12327.375	37.70	54.0	16.30	AV	188.00	100	Horizontal	Pass
6	16166.963	51.06	74.0	22.94	Peak	330.00	300	Horizontal	Pass
6**	16166.963	40.96	54.0	13.04	AV	330.00	300	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	1500.300	39.62	74.0	34.38	Peak	25.00	100	Vertical	Pass
1**	1500.300	31.31	54.0	22.69	AV	25.00	100	Vertical	Pass
2	4389.600	47.51	74.0	26.49	Peak	78.00	100	Vertical	Pass
2**	4389.600	37.94	54.0	16.06	AV	78.00	100	Vertical	Pass
3	5179.000	99.28	--	--	Peak	125.00	100	Vertical	N/A
3**	5179.000	92.79	--	--	AV	125.00	100	Vertical	N/A
4	7528.425	45.68	74.0	28.32	Peak	40.00	300	Vertical	Pass
4**	7528.425	36.87	54.0	17.13	AV	40.00	300	Vertical	Pass
5	12582.388	47.77	74.0	26.23	Peak	187.00	100	Vertical	Pass
5**	12582.388	37.74	54.0	16.26	AV	187.00	100	Vertical	Pass
6	15809.175	50.61	74.0	23.39	Peak	360.00	100	Vertical	Pass
6**	15809.175	40.83	54.0	13.17	AV	360.00	100	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	1587.000	37.36	74.0	36.64	Peak	360.00	100	Horizontal	Pass
1**	1587.000	27.29	54.0	26.71	AV	360.00	100	Horizontal	Pass
2	4073.600	48.00	74.0	26.00	Peak	111.00	300	Horizontal	Pass
2**	4073.600	37.60	54.0	16.40	AV	111.00	300	Horizontal	Pass
3	5222.200	109.07	--	--	Peak	238.00	150	Horizontal	N/A
3**	5222.200	100.84	--	--	AV	238.00	150	Horizontal	N/A
4	7412.562	45.85	74.0	28.15	Peak	212.00	200	Horizontal	Pass
4**	7412.562	36.66	54.0	17.34	AV	212.00	200	Horizontal	Pass
5	10836.975	47.79	74.0	26.21	Peak	15.00	200	Horizontal	Pass
5**	10836.975	38.39	54.0	15.61	AV	15.00	200	Horizontal	Pass
6	15507.562	50.77	74.0	23.23	Peak	82.00	400	Horizontal	Pass
6**	15507.562	41.49	54.0	12.51	AV	82.00	400	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	1496.700	39.63	74.0	34.37	Peak	26.00	100	Vertical	Pass
1**	1496.700	31.13	54.0	22.87	AV	26.00	100	Vertical	Pass
2	4380.200	47.34	74.0	26.66	Peak	278.00	200	Vertical	Pass
2**	4380.200	38.25	54.0	15.75	AV	278.00	200	Vertical	Pass
3	5215.600	99.53	--	--	Peak	260.00	200	Vertical	N/A
3**	5215.600	90.66	--	--	AV	260.00	200	Vertical	N/A
4	7351.325	46.11	74.0	27.89	Peak	333.00	300	Vertical	Pass
4**	7351.325	36.21	54.0	17.79	AV	333.00	300	Vertical	Pass
5	12520.575	47.81	74.0	26.19	Peak	63.00	150	Vertical	Pass
5**	12520.575	37.43	54.0	16.57	AV	63.00	150	Vertical	Pass
6	15806.812	51.08	74.0	22.92	Peak	195.00	300	Vertical	Pass
6**	15806.812	40.64	54.0	13.36	AV	195.00	300	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	1494.900	36.70	74.0	37.30	Peak	91.00	100	Horizontal	Pass
1**	1494.900	28.13	54.0	25.87	AV	91.00	100	Horizontal	Pass
2	4391.400	47.69	74.0	26.31	Peak	191.00	200	Horizontal	Pass
2**	4391.400	38.03	54.0	15.97	AV	191.00	200	Horizontal	Pass
3	5238.600	108.63	--	--	Peak	228.00	150	Horizontal	N/A
3**	5238.600	101.08	--	--	AV	228.00	150	Horizontal	N/A
4	7476.675	45.58	74.0	28.42	Peak	332.00	300	Horizontal	Pass
4**	7476.675	36.82	54.0	17.18	AV	332.00	300	Horizontal	Pass
5	12491.825	47.58	74.0	26.42	Peak	9.00	150	Horizontal	Pass
5**	12491.825	38.25	54.0	15.75	AV	9.00	150	Horizontal	Pass
6	16148.850	50.49	74.0	23.51	Peak	0.00	100	Horizontal	Pass
6**	16148.850	41.03	54.0	12.97	AV	0.00	100	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	1493.500	39.86	74.0	34.14	Peak	222.00	200	Vertical	Pass
1**	1493.500	30.08	54.0	23.92	AV	222.00	200	Vertical	Pass
2	4098.200	47.47	74.0	26.53	Peak	172.00	100	Vertical	Pass
2**	4098.200	38.28	54.0	15.72	AV	172.00	100	Vertical	Pass
3	5241.200	99.55	--	--	Peak	154.00	100	Vertical	N/A
3**	5241.200	92.47	--	--	AV	154.00	100	Vertical	N/A
4	7467.188	45.90	74.0	28.10	Peak	56.00	300	Vertical	Pass
4**	7467.188	37.12	54.0	16.88	AV	56.00	300	Vertical	Pass
5	12507.062	48.15	74.0	25.85	Peak	88.00	150	Vertical	Pass
5**	12507.062	38.37	54.0	15.63	AV	88.00	150	Vertical	Pass
6	15688.688	50.12	74.0	23.88	Peak	91.00	100	Vertical	Pass
6**	15688.688	40.24	54.0	13.76	AV	91.00	100	Vertical	Pass

## 11n40, 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	1528.100	36.73	74.0	37.27	Peak	352.00	100	Horizontal	Pass
1**	1528.100	27.67	54.0	26.33	AV	352.00	100	Horizontal	Pass
2	4383.200	47.19	74.0	26.81	Peak	160.00	400	Horizontal	Pass
2**	4383.200	37.94	54.0	16.06	AV	160.00	400	Horizontal	Pass
3	5192.800	105.36	--	--	Peak	238.00	200	Horizontal	N/A
3**	5192.800	97.61	--	--	AV	238.00	200	Horizontal	N/A
4	7414.575	46.07	74.0	27.93	Peak	285.00	200	Horizontal	Pass
4**	7414.575	36.18	54.0	17.82	AV	285.00	200	Horizontal	Pass
5	11915.099	47.60	74.0	26.40	Peak	188.00	100	Horizontal	Pass
5**	11915.099	38.20	54.0	15.80	AV	188.00	100	Horizontal	Pass
6	16090.050	50.16	74.0	23.84	Peak	26.00	400	Horizontal	Pass
6**	16090.050	40.88	54.0	13.12	AV	26.00	400	Horizontal	Pass

## 11n40, 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	1493.800	40.24	74.0	33.76	Peak	227.00	300	Vertical	Pass
1**	1493.800	30.89	54.0	23.11	AV	227.00	300	Vertical	Pass
2	4228.600	47.26	74.0	26.74	Peak	216.00	400	Vertical	Pass
2**	4228.600	37.54	54.0	16.46	AV	216.00	400	Vertical	Pass
3	5186.400	95.66	--	--	Peak	154.00	200	Vertical	N/A
3**	5186.400	87.06	--	--	AV	154.00	200	Vertical	N/A
4	7352.187	45.88	74.0	28.12	Peak	163.00	100	Vertical	Pass
4**	7352.187	36.90	54.0	17.10	AV	163.00	100	Vertical	Pass
5	11894.112	47.76	74.0	26.24	Peak	312.00	200	Vertical	Pass
5**	11894.112	37.86	54.0	16.14	AV	312.00	200	Vertical	Pass
6	15654.563	50.34	74.0	23.66	Peak	165.00	100	Vertical	Pass
6**	15654.563	39.75	54.0	14.25	AV	165.00	100	Vertical	Pass

## 11n40, 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	1485.300	36.72	74.0	37.28	Peak	45.00	200	Horizontal	Pass
1**	1485.300	27.52	54.0	26.48	AV	45.00	200	Horizontal	Pass
2	4233.000	47.36	74.0	26.64	Peak	270.00	400	Horizontal	Pass
2**	4233.000	38.04	54.0	15.96	AV	270.00	400	Horizontal	Pass
3	5225.400	105.33	--	--	Peak	238.00	150	Horizontal	N/A
3**	5225.400	98.12	--	--	AV	238.00	150	Horizontal	N/A
4	7441.312	45.88	74.0	28.12	Peak	0.00	400	Horizontal	Pass
4**	7441.312	36.76	54.0	17.24	AV	0.00	400	Horizontal	Pass
5	12283.099	47.73	74.0	26.27	Peak	336.00	150	Horizontal	Pass
5**	12283.099	37.55	54.0	16.45	AV	336.00	150	Horizontal	Pass
6	15858.525	51.26	74.0	22.74	Peak	359.00	200	Horizontal	Pass
6**	15858.525	40.16	54.0	13.84	AV	359.00	200	Horizontal	Pass

## 11n40, 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	1496.400	40.66	74.0	33.34	Peak	226.00	300	Vertical	Pass
1**	1496.400	27.59	54.0	26.41	AV	226.00	300	Vertical	Pass
2	4320.600	48.33	74.0	25.67	Peak	350.00	400	Vertical	Pass
2**	4320.600	37.68	54.0	16.32	AV	350.00	400	Vertical	Pass
3	5241.800	94.65	--	--	Peak	143.00	150	Vertical	N/A
3**	5241.800	86.20	--	--	AV	143.00	150	Vertical	N/A
4	7395.313	46.14	74.0	27.86	Peak	167.00	100	Vertical	Pass
4**	7395.313	36.20	54.0	17.80	AV	167.00	100	Vertical	Pass
5	12441.800	47.37	74.0	26.63	Peak	337.00	100	Vertical	Pass
5**	12441.800	38.13	54.0	15.87	AV	337.00	100	Vertical	Pass
6	16132.312	52.20	74.0	21.80	Peak	360.00	400	Vertical	Pass
6**	16132.312	40.47	54.0	13.53	AV	360.00	400	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	1504.400	36.64	74.0	37.36	Peak	360.00	400	Horizontal	Pass
1**	1504.400	27.42	54.0	26.58	AV	360.00	400	Horizontal	Pass
2	4366.400	48.02	74.0	25.98	Peak	79.00	200	Horizontal	Pass
2**	4366.400	37.76	54.0	16.24	AV	79.00	200	Horizontal	Pass
3	5182.200	108.19	--	--	Peak	223.00	150	Horizontal	N/A
3**	5182.200	100.55	--	--	AV	223.00	150	Horizontal	N/A
4	7506.862	45.74	74.0	28.26	Peak	336.00	300	Horizontal	Pass
4**	7506.862	36.66	54.0	17.34	AV	336.00	300	Horizontal	Pass
5	11944.713	47.37	74.0	26.63	Peak	15.00	200	Horizontal	Pass
5**	11944.713	38.28	54.0	15.72	AV	15.00	200	Horizontal	Pass
6	15872.437	50.25	74.0	23.75	Peak	26.00	300	Horizontal	Pass
6**	15872.437	41.48	54.0	12.52	AV	26.00	300	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	1494.700	39.08	74.0	34.92	Peak	51.00	400	Vertical	Pass
1**	1494.700	29.09	54.0	24.91	AV	51.00	400	Vertical	Pass
2	4378.400	47.49	74.0	26.51	Peak	360.00	100	Vertical	Pass
2**	4378.400	38.68	54.0	15.32	AV	360.00	100	Vertical	Pass
3	5182.200	98.97	--	--	Peak	142.00	200	Vertical	N/A
3**	5182.200	91.23	--	--	AV	142.00	200	Vertical	N/A
4	7347.013	45.74	74.0	28.26	Peak	285.00	400	Vertical	Pass
4**	7347.013	36.16	54.0	17.84	AV	285.00	400	Vertical	Pass
5	12434.326	47.41	74.0	26.59	Peak	112.00	100	Vertical	Pass
5**	12434.326	38.21	54.0	15.79	AV	112.00	100	Vertical	Pass
6	15710.474	50.44	74.0	23.56	Peak	221.00	200	Vertical	Pass
6**	15710.474	41.59	54.0	12.41	AV	221.00	200	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	1548.500	36.52	74.0	37.48	Peak	211.00	400	Horizontal	Pass
1**	1548.500	27.00	54.0	27.00	AV	211.00	400	Horizontal	Pass
2	3672.400	47.74	74.0	26.26	Peak	0.00	100	Horizontal	Pass
2**	3672.400	37.66	54.0	16.34	AV	0.00	100	Horizontal	Pass
3	5221.600	109.20	--	--	Peak	234.00	100	Horizontal	N/A
3**	5221.600	101.29	--	--	AV	234.00	100	Horizontal	N/A
4	7518.362	46.25	74.0	27.75	Peak	250.00	300	Horizontal	Pass
4**	7518.362	36.88	54.0	17.12	AV	250.00	300	Horizontal	Pass
5	12597.913	47.57	74.0	26.43	Peak	303.00	150	Horizontal	Pass
5**	12597.913	37.83	54.0	16.17	AV	303.00	150	Horizontal	Pass
6	15855.638	50.41	74.0	23.59	Peak	360.00	100	Horizontal	Pass
6**	15855.638	41.84	54.0	12.16	AV	360.00	100	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	1496.300	38.67	74.0	35.33	Peak	221.00	200	Vertical	Pass
1**	1496.300	28.54	54.0	25.46	AV	221.00	200	Vertical	Pass
2	4297.200	48.40	74.0	25.60	Peak	85.00	300	Vertical	Pass
2**	4297.200	37.83	54.0	16.17	AV	85.00	300	Vertical	Pass
3	5218.600	101.10	--	--	Peak	120.00	100	Vertical	N/A
3**	5218.600	94.46	--	--	AV	120.00	100	Vertical	N/A
4	7462.587	45.45	74.0	28.55	Peak	9.00	400	Vertical	Pass
4**	7462.587	37.14	54.0	16.86	AV	9.00	400	Vertical	Pass
5	11493.049	47.52	74.0	26.48	Peak	308.00	200	Vertical	Pass
5**	11493.049	37.93	54.0	16.07	AV	308.00	200	Vertical	Pass
6	15576.863	50.47	74.0	23.53	Peak	311.00	100	Vertical	Pass
6**	15576.863	41.47	54.0	12.53	AV	311.00	100	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	1506.100	37.83	74.0	36.17	Peak	360.00	100	Horizontal	Pass
1**	1506.100	28.16	54.0	25.84	AV	360.00	100	Horizontal	Pass
2	3956.400	47.19	74.0	26.81	Peak	181.00	200	Horizontal	Pass
2**	3956.400	37.31	54.0	16.69	AV	181.00	200	Horizontal	Pass
3	5238.000	109.80	--	--	Peak	233.00	100	Horizontal	N/A
3**	5238.000	101.24	--	--	AV	233.00	100	Horizontal	N/A
4	7441.888	45.68	74.0	28.32	Peak	248.00	200	Horizontal	Pass
4**	7441.888	36.75	54.0	17.25	AV	248.00	200	Horizontal	Pass
5	11928.901	48.29	74.0	25.71	Peak	0.00	100	Horizontal	Pass
5**	11928.901	37.56	54.0	16.44	AV	0.00	100	Horizontal	Pass
6	16046.213	50.95	74.0	23.05	Peak	213.00	300	Horizontal	Pass
6**	16046.213	40.43	54.0	13.57	AV	213.00	300	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	1497.400	41.22	74.0	32.78	Peak	225.00	100	Vertical	Pass
1**	1497.400	29.32	54.0	24.68	AV	225.00	100	Vertical	Pass
2	4367.600	48.14	74.0	25.86	Peak	139.00	400	Vertical	Pass
2**	4367.600	37.82	54.0	16.18	AV	139.00	400	Vertical	Pass
3	5241.000	99.29	--	--	Peak	244.00	100	Vertical	N/A
3**	5241.000	91.49	--	--	AV	244.00	100	Vertical	N/A
4	7403.650	46.00	74.0	28.00	Peak	118.00	100	Vertical	Pass
4**	7403.650	37.00	54.0	17.00	AV	118.00	100	Vertical	Pass
5	11485.862	47.48	74.0	26.52	Peak	91.00	150	Vertical	Pass
5**	11485.862	36.98	54.0	17.02	AV	91.00	150	Vertical	Pass
6	15459.262	50.35	74.0	23.65	Peak	360.00	200	Vertical	Pass
6**	15459.262	41.81	54.0	12.19	AV	360.00	200	Vertical	Pass

## 11ac40, 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	1582.900	36.95	74.0	37.05	Peak	0.00	100	Horizontal	Pass
1**	1582.900	26.78	54.0	27.22	AV	0.00	100	Horizontal	Pass
2	4012.400	47.45	74.0	26.55	Peak	0.00	300	Horizontal	Pass
2**	4012.400	37.67	54.0	16.33	AV	0.00	300	Horizontal	Pass
3	5193.600	104.75	--	--	Peak	239.00	200	Horizontal	N/A
3**	5193.600	96.79	--	--	AV	239.00	200	Horizontal	N/A
4	7363.112	45.53	74.0	28.47	Peak	12.00	400	Horizontal	Pass
4**	7363.112	37.34	54.0	16.66	AV	12.00	400	Horizontal	Pass
5	12412.188	47.92	74.0	26.08	Peak	212.00	150	Horizontal	Pass
5**	12412.188	39.48	54.0	14.52	AV	212.00	150	Horizontal	Pass
6	15839.887	50.45	74.0	23.55	Peak	219.00	300	Horizontal	Pass
6**	15839.887	41.53	54.0	12.47	AV	219.00	300	Horizontal	Pass

## 11ac40, 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	1500.300	38.48	74.0	35.52	Peak	228.00	300	Vertical	Pass
1**	1500.300	28.04	54.0	25.96	AV	228.00	300	Vertical	Pass
2	4091.400	46.90	74.0	27.10	Peak	47.00	100	Vertical	Pass
2**	4091.400	37.23	54.0	16.77	AV	47.00	100	Vertical	Pass
3	5186.000	97.02	--	--	Peak	126.00	200	Vertical	N/A
3**	5186.000	88.70	--	--	AV	126.00	200	Vertical	N/A
4	7366.850	46.03	74.0	27.97	Peak	16.00	400	Vertical	Pass
4**	7366.850	36.78	54.0	17.22	AV	16.00	400	Vertical	Pass
5	12499.588	47.69	74.0	26.31	Peak	263.00	200	Vertical	Pass
5**	12499.588	37.66	54.0	16.34	AV	263.00	200	Vertical	Pass
6	16144.388	50.31	74.0	23.69	Peak	0.00	300	Vertical	Pass
6**	16144.388	41.76	54.0	12.24	AV	0.00	300	Vertical	Pass

## 11ac40, 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	1508.500	36.41	74.0	37.59	Peak	331.00	200	Horizontal	Pass
1**	1508.500	27.71	54.0	26.29	AV	331.00	200	Horizontal	Pass
2	4079.200	46.96	74.0	27.04	Peak	78.00	300	Horizontal	Pass
2**	4079.200	37.69	54.0	16.31	AV	78.00	300	Horizontal	Pass
3	5228.600	106.58	--	--	Peak	250.00	200	Horizontal	N/A
3**	5228.600	97.14	--	--	AV	250.00	200	Horizontal	N/A
4	7421.188	45.51	74.0	28.49	Peak	237.00	200	Horizontal	Pass
4**	7421.188	37.48	54.0	16.52	AV	237.00	200	Horizontal	Pass
5	12615.737	47.72	74.0	26.28	Peak	288.00	150	Horizontal	Pass
5**	12615.737	38.14	54.0	15.86	AV	288.00	150	Horizontal	Pass
6	15807.863	50.40	74.0	23.60	Peak	218.00	100	Horizontal	Pass
6**	15807.863	40.33	54.0	13.67	AV	218.00	100	Horizontal	Pass

## 11ac40, 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	1493.700	40.23	74.0	33.77	Peak	140.00	300	Vertical	Pass
1**	1493.700	28.07	54.0	25.93	AV	140.00	300	Vertical	Pass
2	4082.200	47.52	74.0	26.48	Peak	47.00	400	Vertical	Pass
2**	4082.200	37.85	54.0	16.15	AV	47.00	400	Vertical	Pass
3	5232.400	96.23	--	--	Peak	126.00	150	Vertical	N/A
3**	5232.400	87.41	--	--	AV	126.00	150	Vertical	N/A
4	7484.725	45.91	74.0	28.09	Peak	0.00	300	Vertical	Pass
4**	7484.725	36.48	54.0	17.52	AV	0.00	300	Vertical	Pass
5	11900.438	47.75	74.0	26.25	Peak	263.00	150	Vertical	Pass
5**	11900.438	38.65	54.0	15.35	AV	263.00	150	Vertical	Pass
6	15530.925	50.51	74.0	23.49	Peak	54.00	300	Vertical	Pass
6**	15530.925	40.87	54.0	13.13	AV	54.00	300	Vertical	Pass

## 11ac80, 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	1505.200	36.57	74.0	37.43	Peak	285.00	100	Horizontal	Pass
1**	1505.200	27.31	54.0	26.69	AV	285.00	100	Horizontal	Pass
2	4362.800	47.44	74.0	26.56	Peak	287.00	400	Horizontal	Pass
2**	4362.800	37.79	54.0	16.21	AV	287.00	400	Horizontal	Pass
3	5201.600	101.45	--	--	Peak	238.00	100	Horizontal	N/A
3**	5201.600	92.66	--	--	AV	238.00	100	Horizontal	N/A
4	7435.275	45.51	74.0	28.49	Peak	0.00	300	Horizontal	Pass
4**	7435.275	35.97	54.0	18.03	AV	0.00	300	Horizontal	Pass
5	12473.138	47.30	74.0	26.70	Peak	287.00	150	Horizontal	Pass
5**	12473.138	38.53	54.0	15.47	AV	287.00	150	Horizontal	Pass
6	15480.787	50.30	74.0	23.70	Peak	194.00	300	Horizontal	Pass
6**	15480.787	40.04	54.0	13.96	AV	194.00	300	Horizontal	Pass

## 11ac80, 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	1499.600	39.82	74.0	34.18	Peak	31.00	400	Vertical	Pass
1**	1499.600	28.17	54.0	25.83	AV	31.00	400	Vertical	Pass
2	4323.000	47.29	74.0	26.71	Peak	254.00	200	Vertical	Pass
2**	4323.000	37.99	54.0	16.01	AV	254.00	200	Vertical	Pass
3	5207.000	91.71	--	--	Peak	254.00	150	Vertical	N/A
3**	5207.000	83.54	--	--	AV	254.00	150	Vertical	N/A
4	7414.287	45.60	74.0	28.40	Peak	235.00	100	Vertical	Pass
4**	7414.287	36.40	54.0	17.60	AV	235.00	100	Vertical	Pass
5	12571.750	47.45	74.0	26.55	Peak	360.00	100	Vertical	Pass
5**	12571.750	38.25	54.0	15.75	AV	360.00	100	Vertical	Pass
6	15571.088	50.25	74.0	23.75	Peak	194.00	300	Vertical	Pass
6**	15571.088	41.11	54.0	12.89	AV	194.00	300	Vertical	Pass

## 11a, 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	1525.500	37.29	74.0	36.71	Peak	75.00	200	Horizontal	Pass
1**	1525.500	26.91	54.0	27.09	AV	75.00	200	Horizontal	Pass
2	3726.400	47.56	74.0	26.44	Peak	174.00	200	Horizontal	Pass
2**	3726.400	36.86	54.0	17.14	AV	174.00	200	Horizontal	Pass
3	5259.400	110.26	--	--	Peak	238.00	200	Horizontal	N/A
3**	5259.400	103.23	--	--	AV	238.00	200	Horizontal	N/A
4	7515.487	46.09	74.0	27.91	Peak	261.00	400	Horizontal	Pass
4**	7515.487	36.60	54.0	17.40	AV	261.00	400	Horizontal	Pass
5	11902.162	47.66	74.0	26.34	Peak	41.00	100	Horizontal	Pass
5**	11902.162	38.37	54.0	15.63	AV	41.00	100	Horizontal	Pass
6	15581.850	50.39	74.0	23.61	Peak	26.00	100	Horizontal	Pass
6**	15581.850	40.75	54.0	13.25	AV	26.00	100	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	1498.100	39.19	74.0	34.81	Peak	29.00	100	Vertical	Pass
1**	1498.100	32.53	54.0	21.47	AV	29.00	100	Vertical	Pass
2	4152.400	47.47	74.0	26.53	Peak	239.00	200	Vertical	Pass
2**	4152.400	37.50	54.0	16.50	AV	239.00	200	Vertical	Pass
3	5258.800	101.10	--	--	Peak	143.00	200	Vertical	N/A
3**	5258.800	93.75	--	--	AV	143.00	200	Vertical	N/A
4	7477.250	45.62	74.0	28.38	Peak	261.00	300	Vertical	Pass
4**	7477.250	37.23	54.0	16.77	AV	261.00	300	Vertical	Pass
5	12621.200	48.34	74.0	25.66	Peak	135.00	200	Vertical	Pass
5**	12621.200	38.75	54.0	15.25	AV	135.00	200	Vertical	Pass
6	15671.888	50.27	74.0	23.73	Peak	331.00	300	Vertical	Pass
6**	15671.888	41.32	54.0	12.68	AV	331.00	300	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	1497.600	36.41	74.0	37.59	Peak	88.00	400	Horizontal	Pass
1**	1497.600	27.82	54.0	26.18	AV	88.00	400	Horizontal	Pass
2	4232.800	47.10	74.0	26.90	Peak	143.00	300	Horizontal	Pass
2**	4232.800	37.47	54.0	16.53	AV	143.00	300	Horizontal	Pass
3	5297.800	107.29	--	--	Peak	222.00	150	Horizontal	N/A
3**	5297.800	100.62	--	--	AV	222.00	150	Horizontal	N/A
4	7526.700	46.04	74.0	27.96	Peak	14.00	200	Horizontal	Pass
4**	7526.700	35.89	54.0	18.11	AV	14.00	200	Horizontal	Pass
5	12451.575	47.68	74.0	26.32	Peak	0.00	200	Horizontal	Pass
5**	12451.575	38.89	54.0	15.11	AV	0.00	200	Horizontal	Pass
6	15575.026	50.32	74.0	23.68	Peak	249.00	400	Horizontal	Pass
6**	15575.026	41.07	54.0	12.93	AV	249.00	400	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	1494.800	40.19	74.0	33.81	Peak	150.00	100	Vertical	Pass
1**	1494.800	29.36	54.0	24.64	AV	150.00	100	Vertical	Pass
2	4093.800	47.16	74.0	26.84	Peak	127.00	400	Vertical	Pass
2**	4093.800	38.16	54.0	15.84	AV	127.00	400	Vertical	Pass
3	5301.200	101.05	--	--	Peak	143.00	100	Vertical	N/A
3**	5301.200	93.19	--	--	AV	143.00	100	Vertical	N/A
4	7528.138	45.91	74.0	28.09	Peak	139.00	400	Vertical	Pass
4**	7528.138	36.58	54.0	17.42	AV	139.00	400	Vertical	Pass
5	12282.526	47.40	74.0	26.60	Peak	114.00	150	Vertical	Pass
5**	12282.526	38.07	54.0	15.93	AV	114.00	150	Vertical	Pass
6	16164.338	50.45	74.0	23.55	Peak	140.00	300	Vertical	Pass
6**	16164.338	40.70	54.0	13.30	AV	140.00	300	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	1497.000	36.74	74.0	37.26	Peak	24.00	200	Horizontal	Pass
1**	1497.000	27.37	54.0	26.63	AV	24.00	200	Horizontal	Pass
2	4379.800	47.10	74.0	26.90	Peak	173.00	100	Horizontal	Pass
2**	4379.800	39.13	54.0	14.87	AV	173.00	100	Horizontal	Pass
3	5318.600	109.03	--	--	Peak	237.00	200	Horizontal	N/A
3**	5318.600	101.28	--	--	AV	237.00	200	Horizontal	N/A
4	7469.200	45.71	74.0	28.29	Peak	9.00	100	Horizontal	Pass
4**	7469.200	36.84	54.0	17.16	AV	9.00	100	Horizontal	Pass
5	10921.787	47.75	74.0	26.25	Peak	360.00	200	Horizontal	Pass
5**	10921.787	37.36	54.0	16.64	AV	360.00	200	Horizontal	Pass
6	16068.000	51.05	74.0	22.95	Peak	333.00	300	Horizontal	Pass
6**	16068.000	41.50	54.0	12.50	AV	333.00	300	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	1498.400	39.29	74.0	34.71	Peak	35.00	300	Vertical	Pass
1**	1498.400	31.72	54.0	22.28	AV	35.00	300	Vertical	Pass
2	4316.400	47.12	74.0	26.88	Peak	93.00	300	Vertical	Pass
2**	4316.400	37.89	54.0	16.11	AV	93.00	300	Vertical	Pass
3	5321.600	101.72	--	--	Peak	282.00	100	Vertical	N/A
3**	5321.600	95.47	--	--	AV	282.00	100	Vertical	N/A
4	7529.000	46.69	74.0	27.31	Peak	211.00	300	Vertical	Pass
4**	7529.000	36.77	54.0	17.23	AV	211.00	300	Vertical	Pass
5	11932.637	47.38	74.0	26.62	Peak	336.00	200	Vertical	Pass
5**	11932.637	38.15	54.0	15.85	AV	336.00	200	Vertical	Pass
6	16151.737	50.50	74.0	23.50	Peak	54.00	100	Vertical	Pass
6**	16151.737	40.51	54.0	13.49	AV	54.00	100	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	1483.500	36.81	74.0	37.19	Peak	360.00	300	Horizontal	Pass
1**	1483.500	26.99	54.0	27.01	AV	360.00	300	Horizontal	Pass
2	4235.800	46.81	74.0	27.19	Peak	222.00	200	Horizontal	Pass
2**	4235.800	37.31	54.0	16.69	AV	222.00	200	Horizontal	Pass
3	5256.800	109.45	--	--	Peak	239.00	100	Horizontal	N/A
3**	5256.800	100.99	--	--	AV	239.00	100	Horizontal	N/A
4	7599.437	46.13	74.0	27.87	Peak	139.00	400	Horizontal	Pass
4**	7599.437	35.49	54.0	18.51	AV	139.00	400	Horizontal	Pass
5	11955.350	47.83	74.0	26.17	Peak	139.00	200	Horizontal	Pass
5**	11955.350	36.94	54.0	17.06	AV	139.00	200	Horizontal	Pass
6	15466.875	50.33	74.0	23.67	Peak	278.00	100	Horizontal	Pass
6**	15466.875	40.39	54.0	13.61	AV	278.00	100	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	1498.300	39.10	74.0	34.90	Peak	80.00	400	Vertical	Pass
1**	1498.300	28.81	54.0	25.19	AV	80.00	400	Vertical	Pass
2	4070.400	47.12	74.0	26.88	Peak	352.00	400	Vertical	Pass
2**	4070.400	37.48	54.0	16.52	AV	352.00	400	Vertical	Pass
3	5261.600	100.35	--	--	Peak	127.00	200	Vertical	N/A
3**	5261.600	92.10	--	--	AV	127.00	200	Vertical	N/A
4	7474.087	46.37	74.0	27.63	Peak	37.00	300	Vertical	Pass
4**	7474.087	36.38	54.0	17.62	AV	37.00	300	Vertical	Pass
5	11906.187	47.75	74.0	26.25	Peak	61.00	100	Vertical	Pass
5**	11906.187	38.18	54.0	15.82	AV	61.00	100	Vertical	Pass
6	16156.200	50.72	74.0	23.28	Peak	162.00	400	Vertical	Pass
6**	16156.200	41.33	54.0	12.67	AV	162.00	400	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	1496.600	37.58	74.0	36.42	Peak	57.00	300	Horizontal	Pass
1**	1496.600	27.95	54.0	26.05	AV	57.00	300	Horizontal	Pass
2	3689.000	47.95	74.0	26.05	Peak	16.00	400	Horizontal	Pass
2**	3689.000	38.71	54.0	15.29	AV	16.00	400	Horizontal	Pass
3	5297.600	108.61	--	--	Peak	214.00	150	Horizontal	N/A
3**	5297.600	101.12	--	--	AV	214.00	150	Horizontal	N/A
4	7467.188	46.03	74.0	27.97	Peak	49.00	100	Horizontal	Pass
4**	7467.188	37.35	54.0	16.65	AV	49.00	100	Horizontal	Pass
5	12501.313	47.64	74.0	26.36	Peak	360.00	150	Horizontal	Pass
5**	12501.313	37.23	54.0	16.77	AV	360.00	150	Horizontal	Pass
6	15575.287	51.05	74.0	22.95	Peak	305.00	100	Horizontal	Pass
6**	15575.287	42.65	54.0	11.35	AV	305.00	100	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	1499.100	40.09	74.0	33.91	Peak	26.00	100	Vertical	Pass
1**	1499.100	28.63	54.0	25.37	AV	26.00	100	Vertical	Pass
2	4334.800	47.38	74.0	26.62	Peak	314.00	200	Vertical	Pass
2**	4334.800	38.12	54.0	15.88	AV	314.00	200	Vertical	Pass
3	5298.000	100.00	--	--	Peak	127.00	150	Vertical	N/A
3**	5298.000	92.43	--	--	AV	127.00	150	Vertical	N/A
4	7461.150	45.99	74.0	28.01	Peak	71.00	300	Vertical	Pass
4**	7461.150	37.07	54.0	16.93	AV	71.00	300	Vertical	Pass
5	11896.412	47.59	74.0	26.41	Peak	196.00	150	Vertical	Pass
5**	11896.412	38.59	54.0	15.41	AV	196.00	150	Vertical	Pass
6	15841.463	50.16	74.0	23.84	Peak	166.00	200	Vertical	Pass
6**	15841.463	40.86	54.0	13.14	AV	166.00	200	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	1506.800	37.45	74.0	36.55	Peak	358.00	400	Horizontal	Pass
1**	1506.800	28.44	54.0	25.56	AV	358.00	400	Horizontal	Pass
2	4319.800	47.42	74.0	26.58	Peak	275.00	300	Horizontal	Pass
2**	4319.800	38.27	54.0	15.73	AV	275.00	300	Horizontal	Pass
3	5318.800	107.46	--	--	Peak	225.00	200	Horizontal	N/A
3**	5318.800	100.02	--	--	AV	225.00	200	Horizontal	N/A
4	7487.600	45.56	74.0	28.44	Peak	219.00	400	Horizontal	Pass
4**	7487.600	36.30	54.0	17.70	AV	219.00	400	Horizontal	Pass
5	11458.550	47.56	74.0	26.44	Peak	0.00	150	Horizontal	Pass
5**	11458.550	37.74	54.0	16.26	AV	0.00	150	Horizontal	Pass
6	16077.187	49.87	74.0	24.13	Peak	223.00	100	Horizontal	Pass
6**	16077.187	41.27	54.0	12.73	AV	223.00	100	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	1493.000	39.29	74.0	34.71	Peak	238.00	300	Vertical	Pass
1**	1493.000	28.38	54.0	25.62	AV	238.00	300	Vertical	Pass
2	4087.800	48.38	74.0	25.62	Peak	109.00	300	Vertical	Pass
2**	4087.800	38.67	54.0	15.33	AV	109.00	300	Vertical	Pass
3	5323.200	100.37	--	--	Peak	124.00	200	Vertical	N/A
3**	5323.200	92.01	--	--	AV	124.00	200	Vertical	N/A
4	7509.737	46.32	74.0	27.68	Peak	46.00	300	Vertical	Pass
4**	7509.737	36.46	54.0	17.54	AV	46.00	300	Vertical	Pass
5	11071.000	48.00	74.0	26.00	Peak	169.00	100	Vertical	Pass
5**	11071.000	36.96	54.0	17.04	AV	169.00	100	Vertical	Pass
6	15819.150	51.02	74.0	22.98	Peak	91.00	400	Vertical	Pass
6**	15819.150	40.81	54.0	13.19	AV	91.00	400	Vertical	Pass

## 11n40, 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	1489.900	38.64	74.0	35.36	Peak	236.00	200	Horizontal	Pass
1**	1489.900	28.05	54.0	25.95	AV	236.00	200	Horizontal	Pass
2	4225.800	47.81	74.0	26.19	Peak	0.00	300	Horizontal	Pass
2**	4225.800	38.56	54.0	15.44	AV	0.00	300	Horizontal	Pass
3	5258.600	105.50	--	--	Peak	252.00	150	Horizontal	N/A
3**	5258.600	97.89	--	--	AV	252.00	150	Horizontal	N/A
4	7476.388	46.65	74.0	27.35	Peak	196.00	300	Horizontal	Pass
4**	7476.388	36.84	54.0	17.16	AV	196.00	300	Horizontal	Pass
5	11415.137	48.63	74.0	25.37	Peak	0.00	150	Horizontal	Pass
5**	11415.137	37.65	54.0	16.35	AV	0.00	150	Horizontal	Pass
6	15907.088	50.78	74.0	23.22	Peak	31.00	400	Horizontal	Pass
6**	15907.088	41.36	54.0	12.64	AV	31.00	400	Horizontal	Pass

## 11n40, 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	1496.500	39.57	74.0	34.43	Peak	248.00	100	Vertical	Pass
1**	1496.500	28.99	54.0	25.01	AV	248.00	100	Vertical	Pass
2	4194.400	48.04	74.0	25.96	Peak	78.00	100	Vertical	Pass
2**	4194.400	37.81	54.0	16.19	AV	78.00	100	Vertical	Pass
3	5257.600	97.00	--	--	Peak	125.00	100	Vertical	N/A
3**	5257.600	88.99	--	--	AV	125.00	100	Vertical	N/A
4	7478.112	45.84	74.0	28.16	Peak	172.00	200	Vertical	Pass
4**	7478.112	36.66	54.0	17.34	AV	172.00	200	Vertical	Pass
5	11328.888	48.03	74.0	25.97	Peak	147.00	200	Vertical	Pass
5**	11328.888	38.76	54.0	15.24	AV	147.00	200	Vertical	Pass
6	16060.650	50.72	74.0	23.28	Peak	84.00	100	Vertical	Pass
6**	16060.650	41.41	54.0	12.59	AV	84.00	100	Vertical	Pass

## 11n40, 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	1506.900	37.21	74.0	36.79	Peak	100.00	200	Horizontal	Pass
1**	1506.900	28.54	54.0	25.46	AV	100.00	200	Horizontal	Pass
2	4232.800	47.98	74.0	26.02	Peak	236.00	300	Horizontal	Pass
2**	4232.800	38.08	54.0	15.92	AV	236.00	300	Horizontal	Pass
3	5312.800	104.56	--	--	Peak	204.00	150	Horizontal	N/A
3**	5312.800	95.91	--	--	AV	204.00	150	Horizontal	N/A
4	7552.575	46.01	74.0	27.99	Peak	345.00	400	Horizontal	Pass
4**	7552.575	37.66	54.0	16.34	AV	345.00	400	Horizontal	Pass
5	12001.637	47.81	74.0	26.19	Peak	97.00	200	Horizontal	Pass
5**	12001.637	38.36	54.0	15.64	AV	97.00	200	Horizontal	Pass
6	15576.337	51.17	74.0	22.83	Peak	169.00	100	Horizontal	Pass
6**	15576.337	41.17	54.0	12.83	AV	169.00	100	Horizontal	Pass

## 11n40, 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	1493.600	38.70	74.0	35.30	Peak	153.00	300	Vertical	Pass
1**	1493.600	30.13	54.0	23.87	AV	153.00	300	Vertical	Pass
2	4394.200	48.14	74.0	25.86	Peak	41.00	400	Vertical	Pass
2**	4394.200	37.62	54.0	16.38	AV	41.00	400	Vertical	Pass
3	5315.000	97.15	--	--	Peak	105.00	100	Vertical	N/A
3**	5315.000	89.38	--	--	AV	105.00	100	Vertical	N/A
4	7522.387	45.89	74.0	28.11	Peak	96.00	300	Vertical	Pass
4**	7522.387	36.90	54.0	17.10	AV	96.00	300	Vertical	Pass
5	10912.588	48.97	74.0	25.03	Peak	319.00	100	Vertical	Pass
5**	10912.588	38.01	54.0	15.99	AV	319.00	100	Vertical	Pass
6	15521.212	50.97	74.0	23.03	Peak	360.00	300	Vertical	Pass
6**	15521.212	40.49	54.0	13.51	AV	360.00	300	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	1505.800	36.53	74.0	37.47	Peak	105.00	400	Horizontal	Pass
1**	1505.800	28.41	54.0	25.59	AV	105.00	400	Horizontal	Pass
2	4380.400	47.11	74.0	26.89	Peak	0.00	100	Horizontal	Pass
2**	4380.400	38.22	54.0	15.78	AV	0.00	100	Horizontal	Pass
3	5258.200	109.36	--	--	Peak	238.00	100	Horizontal	N/A
3**	5258.200	101.13	--	--	AV	238.00	100	Horizontal	N/A
4	7430.388	46.35	74.0	27.65	Peak	126.00	400	Horizontal	Pass
4**	7430.388	35.98	54.0	18.02	AV	126.00	400	Horizontal	Pass
5	12616.313	47.24	74.0	26.76	Peak	126.00	100	Horizontal	Pass
5**	12616.313	38.39	54.0	15.61	AV	126.00	100	Horizontal	Pass
6	16139.924	50.50	74.0	23.50	Peak	360.00	100	Horizontal	Pass
6**	16139.924	41.36	54.0	12.64	AV	360.00	100	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	1496.600	39.88	74.0	34.12	Peak	24.00	100	Vertical	Pass
1**	1496.600	29.67	54.0	24.33	AV	24.00	100	Vertical	Pass
2	4161.800	46.94	74.0	27.06	Peak	360.00	200	Vertical	Pass
2**	4161.800	37.10	54.0	16.90	AV	360.00	200	Vertical	Pass
3	5258.200	99.98	--	--	Peak	252.00	150	Vertical	N/A
3**	5258.200	92.96	--	--	AV	252.00	150	Vertical	N/A
4	7507.438	46.16	74.0	27.84	Peak	161.00	100	Vertical	Pass
4**	7507.438	36.10	54.0	17.90	AV	161.00	100	Vertical	Pass
5	11928.901	47.61	74.0	26.39	Peak	11.00	100	Vertical	Pass
5**	11928.901	39.15	54.0	14.85	AV	11.00	100	Vertical	Pass
6	15567.150	50.62	74.0	23.38	Peak	220.00	100	Vertical	Pass
6**	15567.150	40.72	54.0	13.28	AV	220.00	100	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	1621.700	37.30	74.0	36.70	Peak	41.00	200	Horizontal	Pass
1**	1621.700	29.17	54.0	24.83	AV	41.00	200	Horizontal	Pass
2	4379.600	47.57	74.0	26.43	Peak	252.00	200	Horizontal	Pass
2**	4379.600	38.83	54.0	15.17	AV	252.00	200	Horizontal	Pass
3	5301.200	108.76	--	--	Peak	235.00	100	Horizontal	N/A
3**	5301.200	101.16	--	--	AV	235.00	100	Horizontal	N/A
4	7458.563	46.05	74.0	27.95	Peak	0.00	200	Horizontal	Pass
4**	7458.563	36.91	54.0	17.09	AV	0.00	200	Horizontal	Pass
5	12624.362	47.98	74.0	26.02	Peak	22.00	200	Horizontal	Pass
5**	12624.362	38.94	54.0	15.06	AV	22.00	200	Horizontal	Pass
6	15824.137	51.33	74.0	22.67	Peak	198.00	400	Horizontal	Pass
6**	15824.137	41.35	54.0	12.65	AV	198.00	400	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	1496.700	39.68	74.0	34.32	Peak	232.00	300	Vertical	Pass
1**	1496.700	31.34	54.0	22.66	AV	232.00	300	Vertical	Pass
2	4233.000	47.65	74.0	26.35	Peak	14.00	100	Vertical	Pass
2**	4233.000	38.79	54.0	15.21	AV	14.00	100	Vertical	Pass
3	5299.000	100.59	--	--	Peak	126.00	200	Vertical	N/A
3**	5299.000	92.80	--	--	AV	126.00	200	Vertical	N/A
4	7479.550	46.30	74.0	27.70	Peak	360.00	100	Vertical	Pass
4**	7479.550	36.83	54.0	17.17	AV	360.00	100	Vertical	Pass
5	12442.087	47.99	74.0	26.01	Peak	172.00	150	Vertical	Pass
5**	12442.087	38.94	54.0	15.06	AV	172.00	150	Vertical	Pass
6	16079.287	51.10	74.0	22.90	Peak	252.00	200	Vertical	Pass
6**	16079.287	41.79	54.0	12.21	AV	252.00	200	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	1485.500	37.08	74.0	36.92	Peak	0.00	200	Horizontal	Pass
1**	1485.500	28.53	54.0	25.47	AV	0.00	200	Horizontal	Pass
2	4316.000	47.63	74.0	26.37	Peak	220.00	200	Horizontal	Pass
2**	4316.000	38.12	54.0	15.88	AV	220.00	200	Horizontal	Pass
3	5324.200	108.26	--	--	Peak	204.00	200	Horizontal	N/A
3**	5324.200	100.06	--	--	AV	204.00	200	Horizontal	N/A
4	7444.475	46.11	74.0	27.89	Peak	219.00	400	Horizontal	Pass
4**	7444.475	37.55	54.0	16.45	AV	219.00	400	Horizontal	Pass
5	10964.338	47.74	74.0	26.26	Peak	318.00	150	Horizontal	Pass
5**	10964.338	37.85	54.0	16.15	AV	318.00	150	Horizontal	Pass
6	15707.062	50.74	74.0	23.26	Peak	197.00	400	Horizontal	Pass
6**	15707.062	40.67	54.0	13.33	AV	197.00	400	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	1496.400	41.37	74.0	32.63	Peak	41.00	100	Vertical	Pass
1**	1496.400	31.88	54.0	22.12	AV	41.00	100	Vertical	Pass
2	4205.200	48.19	74.0	25.81	Peak	155.00	200	Vertical	Pass
2**	4205.200	37.58	54.0	16.42	AV	155.00	200	Vertical	Pass
3	5323.200	99.65	--	--	Peak	106.00	150	Vertical	N/A
3**	5323.200	92.00	--	--	AV	106.00	150	Vertical	N/A
4	7450.800	45.78	74.0	28.22	Peak	219.00	400	Vertical	Pass
4**	7450.800	37.03	54.0	16.97	AV	219.00	400	Vertical	Pass
5	11488.737	47.71	74.0	26.29	Peak	95.00	200	Vertical	Pass
5**	11488.737	37.81	54.0	16.19	AV	95.00	200	Vertical	Pass
6	15880.313	50.41	74.0	23.59	Peak	115.00	100	Vertical	Pass
6**	15880.313	41.21	54.0	12.79	AV	115.00	100	Vertical	Pass

## 11ac40, 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	1471.500	37.86	74.0	36.14	Peak	341.00	100	Horizontal	Pass
1**	1471.500	27.39	54.0	26.61	AV	341.00	100	Horizontal	Pass
2	4194.800	47.79	74.0	26.21	Peak	74.00	200	Horizontal	Pass
2**	4194.800	37.73	54.0	16.27	AV	74.00	200	Horizontal	Pass
3	5259.000	105.30	--	--	Peak	249.00	200	Horizontal	N/A
3**	5259.000	97.79	--	--	AV	249.00	200	Horizontal	N/A
4	7462.587	46.48	74.0	27.52	Peak	271.00	200	Horizontal	Pass
4**	7462.587	36.58	54.0	17.42	AV	271.00	200	Horizontal	Pass
5	12439.788	47.60	74.0	26.40	Peak	145.00	200	Horizontal	Pass
5**	12439.788	37.62	54.0	16.38	AV	145.00	200	Horizontal	Pass
6	15818.888	50.48	74.0	23.52	Peak	198.00	400	Horizontal	Pass
6**	15818.888	41.16	54.0	12.84	AV	198.00	400	Horizontal	Pass

## 11ac40, 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	1495.400	38.41	74.0	35.59	Peak	232.00	300	Vertical	Pass
1**	1495.400	28.58	54.0	25.42	AV	232.00	300	Vertical	Pass
2	4378.200	47.69	74.0	26.31	Peak	0.00	100	Vertical	Pass
2**	4378.200	38.48	54.0	15.52	AV	0.00	100	Vertical	Pass
3	5261.000	97.36	--	--	Peak	122.00	200	Vertical	N/A
3**	5261.000	89.67	--	--	AV	122.00	200	Vertical	N/A
4	7502.837	45.51	74.0	28.49	Peak	221.00	300	Vertical	Pass
4**	7502.837	37.25	54.0	16.75	AV	221.00	300	Vertical	Pass
5	12536.963	48.03	74.0	25.97	Peak	146.00	200	Vertical	Pass
5**	12536.963	37.41	54.0	16.59	AV	146.00	200	Vertical	Pass
6	16091.362	51.14	74.0	22.86	Peak	171.00	300	Vertical	Pass
6**	16091.362	41.43	54.0	12.57	AV	171.00	300	Vertical	Pass

## 11ac40, 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	1490.300	37.05	74.0	36.95	Peak	360.00	400	Horizontal	Pass
1**	1490.300	27.93	54.0	26.07	AV	360.00	400	Horizontal	Pass
2	4226.800	47.56	74.0	26.44	Peak	235.00	400	Horizontal	Pass
2**	4226.800	38.87	54.0	15.13	AV	235.00	400	Horizontal	Pass
3	5306.600	104.78	--	--	Peak	202.00	200	Horizontal	N/A
3**	5306.600	97.30	--	--	AV	202.00	200	Horizontal	N/A
4	7445.338	46.07	74.0	27.93	Peak	360.00	100	Horizontal	Pass
4**	7445.338	37.21	54.0	16.79	AV	360.00	100	Horizontal	Pass
5	12439.213	47.83	74.0	26.17	Peak	97.00	100	Horizontal	Pass
5**	12439.213	38.89	54.0	15.11	AV	97.00	100	Horizontal	Pass
6	16079.549	50.54	74.0	23.46	Peak	0.00	200	Horizontal	Pass
6**	16079.549	42.18	54.0	11.82	AV	0.00	200	Horizontal	Pass

## 11ac40, 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	1494.200	38.88	74.0	35.12	Peak	239.00	200	Vertical	Pass
1**	1494.200	30.12	54.0	23.88	AV	239.00	200	Vertical	Pass
2	3987.600	48.24	74.0	25.76	Peak	360.00	300	Vertical	Pass
2**	3987.600	37.87	54.0	16.13	AV	360.00	300	Vertical	Pass
3	5312.400	97.88	--	--	Peak	123.00	150	Vertical	N/A
3**	5312.400	89.40	--	--	AV	123.00	150	Vertical	N/A
4	7476.962	46.05	74.0	27.95	Peak	223.00	200	Vertical	Pass
4**	7476.962	37.35	54.0	16.65	AV	223.00	200	Vertical	Pass
5	11286.625	48.42	74.0	25.58	Peak	72.00	200	Vertical	Pass
5**	11286.625	38.07	54.0	15.93	AV	72.00	200	Vertical	Pass
6	16122.338	51.17	74.0	22.83	Peak	277.00	400	Vertical	Pass
6**	16122.338	40.36	54.0	13.64	AV	277.00	400	Vertical	Pass

## 11ac80, 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	1588.900	37.78	74.0	36.22	Peak	170.00	300	Horizontal	Pass
1**	1588.900	28.01	54.0	25.99	AV	170.00	300	Horizontal	Pass
2	4378.800	47.37	74.0	26.63	Peak	105.00	300	Horizontal	Pass
2**	4378.800	39.62	54.0	14.38	AV	105.00	300	Horizontal	Pass
3	5297.000	101.36	--	--	Peak	218.00	100	Horizontal	N/A
3**	5297.000	93.20	--	--	AV	218.00	100	Horizontal	N/A
4	7367.712	46.09	74.0	27.91	Peak	247.00	400	Horizontal	Pass
4**	7367.712	37.24	54.0	16.76	AV	247.00	400	Horizontal	Pass
5	12290.288	47.67	74.0	26.33	Peak	360.00	100	Horizontal	Pass
5**	12290.288	37.88	54.0	16.12	AV	360.00	100	Horizontal	Pass
6	16074.037	50.80	74.0	23.20	Peak	166.00	100	Horizontal	Pass
6**	16074.037	41.43	54.0	12.57	AV	166.00	100	Horizontal	Pass

## 11ac80, 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	1497.100	39.04	74.0	34.96	Peak	56.00	400	Vertical	Pass
1**	1497.100	28.22	54.0	25.78	AV	56.00	400	Vertical	Pass
2	4136.600	47.96	74.0	26.04	Peak	249.00	200	Vertical	Pass
2**	4136.600	38.38	54.0	15.62	AV	249.00	200	Vertical	Pass
3	5293.200	93.86	--	--	Peak	135.00	200	Vertical	N/A
3**	5293.200	85.10	--	--	AV	135.00	200	Vertical	N/A
4	7528.425	46.33	74.0	27.67	Peak	346.00	300	Vertical	Pass
4**	7528.425	37.73	54.0	16.27	AV	346.00	300	Vertical	Pass
5	12419.088	47.57	74.0	26.43	Peak	148.00	150	Vertical	Pass
5**	12419.088	38.20	54.0	15.80	AV	148.00	150	Vertical	Pass
6	16136.513	50.36	74.0	23.64	Peak	222.00	300	Vertical	Pass
6**	16136.513	41.34	54.0	12.66	AV	222.00	300	Vertical	Pass

## 11a, 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	1444.000	37.08	74.0	36.92	Peak	230.00	200	Horizontal	Pass
1**	1444.000	27.31	54.0	26.69	AV	230.00	200	Horizontal	Pass
2	3666.800	49.19	74.0	24.81	Peak	107.00	300	Horizontal	Pass
2**	3666.800	46.07	54.0	7.93	AV	107.00	300	Horizontal	Pass
3	5499.000	106.03	--	--	Peak	235.00	150	Horizontal	N/A
3**	5499.000	98.27	--	--	AV	235.00	150	Horizontal	N/A
4	7332.925	47.80	74.0	26.20	Peak	343.00	100	Horizontal	Pass
4**	7332.925	39.83	54.0	14.17	AV	343.00	100	Horizontal	Pass
5	11495.349	47.92	74.0	26.08	Peak	245.00	200	Horizontal	Pass
5**	11495.349	38.27	54.0	15.73	AV	245.00	200	Horizontal	Pass
6	15820.987	50.32	74.0	23.68	Peak	360.00	400	Horizontal	Pass
6**	15820.987	40.34	54.0	13.66	AV	360.00	400	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	1499.400	41.22	74.0	32.78	Peak	40.00	400	Vertical	Pass
1**	1499.400	28.71	54.0	25.29	AV	40.00	400	Vertical	Pass
2	4151.600	47.75	74.0	26.25	Peak	0.00	200	Vertical	Pass
2**	4151.600	38.58	54.0	15.42	AV	0.00	200	Vertical	Pass
3	5497.000	99.58	--	--	Peak	282.00	200	Vertical	N/A
3**	5497.000	91.66	--	--	AV	282.00	200	Vertical	N/A
4	7364.837	46.05	74.0	27.95	Peak	270.00	300	Vertical	Pass
4**	7364.837	36.81	54.0	17.19	AV	270.00	300	Vertical	Pass
5	11999.912	48.07	74.0	25.93	Peak	295.00	200	Vertical	Pass
5**	11999.912	38.45	54.0	15.55	AV	295.00	200	Vertical	Pass
6	16136.776	50.06	74.0	23.94	Peak	0.00	200	Vertical	Pass
6**	16136.776	41.79	54.0	12.21	AV	0.00	200	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	1532.100	37.14	74.0	36.86	Peak	84.00	300	Horizontal	Pass
1**	1532.100	27.54	54.0	26.46	AV	84.00	300	Horizontal	Pass
2	3720.000	48.34	74.0	25.66	Peak	154.00	300	Horizontal	Pass
2**	3720.000	44.56	54.0	9.44	AV	154.00	300	Horizontal	Pass
3	5578.000	104.52	--	--	Peak	217.00	100	Horizontal	N/A
3**	5578.000	97.45	--	--	AV	217.00	100	Horizontal	N/A
4	7440.163	46.84	74.0	27.16	Peak	173.00	100	Horizontal	Pass
4**	7440.163	41.07	54.0	12.93	AV	173.00	100	Horizontal	Pass
5	12672.663	47.73	74.0	26.27	Peak	325.00	100	Horizontal	Pass
5**	12672.663	38.47	54.0	15.53	AV	325.00	100	Horizontal	Pass
6	16171.162	50.18	74.0	23.82	Peak	4.00	100	Horizontal	Pass
6**	16171.162	41.50	54.0	12.50	AV	4.00	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	1495.000	39.78	74.0	34.22	Peak	169.00	200	Vertical	Pass
1**	1495.000	30.04	54.0	23.96	AV	169.00	200	Vertical	Pass
2	4191.200	47.40	74.0	26.60	Peak	153.00	200	Vertical	Pass
2**	4191.200	38.65	54.0	15.35	AV	153.00	200	Vertical	Pass
3	5578.400	99.58	--	--	Peak	38.00	150	Vertical	N/A
3**	5578.400	92.31	--	--	AV	38.00	150	Vertical	N/A
4	7365.412	46.91	74.0	27.09	Peak	296.00	400	Vertical	Pass
4**	7365.412	37.14	54.0	16.86	AV	296.00	400	Vertical	Pass
5	12482.050	48.30	74.0	25.70	Peak	21.00	200	Vertical	Pass
5**	12482.050	37.96	54.0	16.04	AV	21.00	200	Vertical	Pass
6	16138.350	50.13	74.0	23.87	Peak	197.00	100	Vertical	Pass
6**	16138.350	41.38	54.0	12.62	AV	197.00	100	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	1610.300	37.05	74.0	36.95	Peak	117.00	400	Horizontal	Pass
1**	1610.300	27.88	54.0	26.12	AV	117.00	400	Horizontal	Pass
2	4390.600	47.96	74.0	26.04	Peak	59.00	300	Horizontal	Pass
2**	4390.600	38.64	54.0	15.36	AV	59.00	300	Horizontal	Pass
3	5698.400	104.51	--	--	Peak	234.00	100	Horizontal	N/A
3**	5698.400	97.22	--	--	AV	234.00	100	Horizontal	N/A
4	7478.400	46.16	74.0	27.84	Peak	47.00	200	Horizontal	Pass
4**	7478.400	37.22	54.0	16.78	AV	47.00	200	Horizontal	Pass
5	12489.525	47.51	74.0	26.49	Peak	73.00	150	Horizontal	Pass
5**	12489.525	37.89	54.0	16.11	AV	73.00	150	Horizontal	Pass
6	15826.500	51.16	74.0	22.84	Peak	0.00	100	Horizontal	Pass
6**	15826.500	40.73	54.0	13.27	AV	0.00	100	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	1493.900	38.84	74.0	35.16	Peak	39.00	400	Vertical	Pass
1**	1493.900	28.47	54.0	25.53	AV	39.00	400	Vertical	Pass
2	4361.600	48.00	74.0	26.00	Peak	360.00	100	Vertical	Pass
2**	4361.600	38.44	54.0	15.56	AV	360.00	100	Vertical	Pass
3	5698.400	100.45	--	--	Peak	300.00	100	Vertical	N/A
3**	5698.400	92.30	--	--	AV	300.00	100	Vertical	N/A
4	7522.100	45.84	74.0	28.16	Peak	145.00	400	Vertical	Pass
4**	7522.100	37.21	54.0	16.79	AV	145.00	400	Vertical	Pass
5	12421.675	48.07	74.0	25.93	Peak	296.00	200	Vertical	Pass
5**	12421.675	37.75	54.0	16.25	AV	296.00	200	Vertical	Pass
6	15573.450	50.57	74.0	23.43	Peak	0.00	300	Vertical	Pass
6**	15573.450	41.24	54.0	12.76	AV	0.00	300	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	1584.700	37.06	74.0	36.94	Peak	56.00	400	Horizontal	Pass
1**	1584.700	27.38	54.0	26.62	AV	56.00	400	Horizontal	Pass
2	3667.000	48.17	74.0	25.83	Peak	103.00	150	Horizontal	Pass
2**	3667.000	46.18	54.0	7.82	AV	103.00	150	Horizontal	Pass
3	5501.000	104.53	--	--	Peak	236.00	150	Horizontal	N/A
3**	5501.000	96.97	--	--	AV	236.00	150	Horizontal	N/A
4	7333.500	48.90	74.0	25.10	Peak	320.00	200	Horizontal	Pass
4**	7333.500	42.89	54.0	11.11	AV	320.00	200	Horizontal	Pass
5	11934.363	48.21	74.0	25.79	Peak	271.00	100	Horizontal	Pass
5**	11934.363	38.82	54.0	15.18	AV	271.00	100	Horizontal	Pass
6	16192.687	50.63	74.0	23.37	Peak	170.00	100	Horizontal	Pass
6**	16192.687	41.39	54.0	12.61	AV	170.00	100	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	1495.200	39.18	74.0	34.82	Peak	158.00	300	Vertical	Pass
1**	1495.200	31.33	54.0	22.67	AV	158.00	300	Vertical	Pass
2	4378.400	47.16	74.0	26.84	Peak	0.00	300	Vertical	Pass
2**	4378.400	39.45	54.0	14.55	AV	0.00	300	Vertical	Pass
3	5498.600	99.48	--	--	Peak	283.00	100	Vertical	N/A
3**	5498.600	91.73	--	--	AV	283.00	100	Vertical	N/A
4	7333.212	47.27	74.0	26.73	Peak	171.00	300	Vertical	Pass
4**	7333.212	41.16	54.0	12.84	AV	171.00	300	Vertical	Pass
5	12694.225	48.00	74.0	26.00	Peak	147.00	200	Vertical	Pass
5**	12694.225	37.60	54.0	16.40	AV	147.00	200	Vertical	Pass
6	16135.987	50.59	74.0	23.41	Peak	223.00	400	Vertical	Pass
6**	16135.987	41.92	54.0	12.08	AV	223.00	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	1484.200	36.49	74.0	37.51	Peak	49.00	400	Horizontal	Pass
1**	1484.200	27.55	54.0	26.45	AV	49.00	400	Horizontal	Pass
2	3720.000	48.77	74.0	25.23	Peak	186.00	300	Horizontal	Pass
2**	3720.000	44.03	54.0	9.97	AV	186.00	300	Horizontal	Pass
3	5580.600	104.32	--	--	Peak	216.00	100	Horizontal	N/A
3**	5580.600	96.60	--	--	AV	216.00	100	Horizontal	N/A
4	7318.837	47.00	74.0	27.00	Peak	360.00	300	Horizontal	Pass
4**	7318.837	37.54	54.0	16.46	AV	360.00	300	Horizontal	Pass
5	11328.312	47.86	74.0	26.14	Peak	22.00	100	Horizontal	Pass
5**	11328.312	38.50	54.0	15.50	AV	22.00	100	Horizontal	Pass
6	16173.787	50.65	74.0	23.35	Peak	251.00	400	Horizontal	Pass
6**	16173.787	41.59	54.0	12.41	AV	251.00	400	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	1493.300	39.07	74.0	34.93	Peak	233.00	300	Vertical	Pass
1**	1493.300	27.81	54.0	26.19	AV	233.00	300	Vertical	Pass
2	4381.000	47.88	74.0	26.12	Peak	8.00	100	Vertical	Pass
2**	4381.000	38.93	54.0	15.07	AV	8.00	100	Vertical	Pass
3	5581.400	99.17	--	--	Peak	104.00	150	Vertical	N/A
3**	5581.400	91.41	--	--	AV	104.00	150	Vertical	N/A
4	7468.050	47.99	74.0	26.01	Peak	97.00	100	Vertical	Pass
4**	7468.050	37.38	54.0	16.62	AV	97.00	100	Vertical	Pass
5	12543.863	47.94	74.0	26.06	Peak	247.00	100	Vertical	Pass
5**	12543.863	37.97	54.0	16.03	AV	247.00	100	Vertical	Pass
6	15801.037	50.85	74.0	23.15	Peak	217.00	300	Vertical	Pass
6**	15801.037	41.16	54.0	12.84	AV	217.00	300	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	1500.100	37.00	74.0	37.00	Peak	115.00	200	Horizontal	Pass
1**	1500.100	27.52	54.0	26.48	AV	115.00	200	Horizontal	Pass
2	3800.600	48.22	74.0	25.78	Peak	0.00	300	Horizontal	Pass
2**	3800.600	41.30	54.0	12.70	AV	0.00	300	Horizontal	Pass
3	5698.800	102.68	--	--	Peak	238.00	100	Horizontal	N/A
3**	5698.800	94.95	--	--	AV	238.00	100	Horizontal	N/A
4	7493.638	47.06	74.0	26.94	Peak	302.00	100	Horizontal	Pass
4**	7493.638	38.40	54.0	15.60	AV	302.00	100	Horizontal	Pass
5	12490.963	48.17	74.0	25.83	Peak	249.00	200	Horizontal	Pass
5**	12490.963	38.06	54.0	15.94	AV	249.00	200	Horizontal	Pass
6	15802.087	50.58	74.0	23.42	Peak	114.00	200	Horizontal	Pass
6**	15802.087	41.75	54.0	12.25	AV	114.00	200	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	1499.400	38.12	74.0	35.88	Peak	98.00	400	Vertical	Pass
1**	1499.400	30.16	54.0	23.84	AV	98.00	400	Vertical	Pass
2	4234.200	48.12	74.0	25.88	Peak	122.00	400	Vertical	Pass
2**	4234.200	37.84	54.0	16.16	AV	122.00	400	Vertical	Pass
3	5703.000	98.77	--	--	Peak	43.00	100	Vertical	N/A
3**	5703.000	90.61	--	--	AV	43.00	100	Vertical	N/A
4	7520.375	45.97	74.0	28.03	Peak	120.00	200	Vertical	Pass
4**	7520.375	37.23	54.0	16.77	AV	120.00	200	Vertical	Pass
5	12459.625	47.64	74.0	26.36	Peak	170.00	150	Vertical	Pass
5**	12459.625	38.75	54.0	15.25	AV	170.00	150	Vertical	Pass
6	15452.701	50.23	74.0	23.77	Peak	199.00	300	Vertical	Pass
6**	15452.701	41.31	54.0	12.69	AV	199.00	300	Vertical	Pass

## 11n40, 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	1494.400	37.27	74.0	36.73	Peak	241.00	300	Horizontal	Pass
1**	1494.400	27.93	54.0	26.07	AV	241.00	300	Horizontal	Pass
2	3673.600	49.80	74.0	24.20	Peak	68.00	150	Horizontal	Pass
2**	3673.600	47.80	54.0	6.20	AV	68.00	150	Horizontal	Pass
3	5513.200	102.41	--	--	Peak	240.00	150	Horizontal	N/A
3**	5513.200	94.87	--	--	AV	240.00	150	Horizontal	N/A
4	7346.438	47.37	74.0	26.63	Peak	351.00	100	Horizontal	Pass
4**	7346.438	42.20	54.0	11.80	AV	351.00	100	Horizontal	Pass
5	11333.488	48.26	74.0	25.74	Peak	210.00	200	Horizontal	Pass
5**	11333.488	37.61	54.0	16.39	AV	210.00	200	Horizontal	Pass
6	15825.713	50.86	74.0	23.14	Peak	248.00	150	Horizontal	Pass
6**	15825.713	40.58	54.0	13.42	AV	248.00	150	Horizontal	Pass

## 11n40, 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	1494.300	37.94	74.0	36.06	Peak	298.00	200	Vertical	Pass
1**	1494.300	29.24	54.0	24.76	AV	298.00	200	Vertical	Pass
2	3794.000	47.32	74.0	26.68	Peak	250.00	100	Vertical	Pass
2**	3794.000	37.55	54.0	16.45	AV	250.00	100	Vertical	Pass
3	5508.600	98.56	--	--	Peak	101.00	200	Vertical	N/A
3**	5508.600	89.91	--	--	AV	101.00	200	Vertical	N/A
4	7346.438	46.34	74.0	27.66	Peak	145.00	100	Vertical	Pass
4**	7346.438	39.49	54.0	14.51	AV	145.00	100	Vertical	Pass
5	12505.625	48.41	74.0	25.59	Peak	249.00	150	Vertical	Pass
5**	12505.625	37.99	54.0	16.01	AV	249.00	150	Vertical	Pass
6	15571.088	49.93	74.0	24.07	Peak	211.00	150	Vertical	Pass
6**	15571.088	41.37	54.0	12.63	AV	211.00	150	Vertical	Pass

## 11n40, 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	1513.800	37.48	74.0	36.52	Peak	173.00	200	Horizontal	Pass
1**	1513.800	27.80	54.0	26.20	AV	173.00	200	Horizontal	Pass
2	3726.400	48.37	74.0	25.63	Peak	168.00	300	Horizontal	Pass
2**	3726.400	43.70	54.0	10.30	AV	168.00	300	Horizontal	Pass
3	5586.600	100.76	--	--	Peak	218.00	200	Horizontal	N/A
3**	5586.600	93.23	--	--	AV	218.00	200	Horizontal	N/A
4	7485.300	46.99	74.0	27.01	Peak	212.00	400	Horizontal	Pass
4**	7485.300	36.78	54.0	17.22	AV	212.00	400	Horizontal	Pass
5	11486.151	47.90	74.0	26.10	Peak	360.00	150	Horizontal	Pass
5**	11486.151	37.64	54.0	16.36	AV	360.00	150	Horizontal	Pass
6	15806.812	50.67	74.0	23.33	Peak	4.00	100	Horizontal	Pass
6**	15806.812	41.76	54.0	12.24	AV	4.00	100	Horizontal	Pass

## 11n40, 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	1494.800	37.88	74.0	36.12	Peak	132.00	300	Vertical	Pass
1**	1494.800	27.94	54.0	26.06	AV	132.00	300	Vertical	Pass
2	4380.600	47.67	74.0	26.33	Peak	219.00	300	Vertical	Pass
2**	4380.600	38.37	54.0	15.63	AV	219.00	300	Vertical	Pass
3	5586.000	96.28	--	--	Peak	268.00	150	Vertical	N/A
3**	5586.000	88.28	--	--	AV	268.00	150	Vertical	N/A
4	7466.612	47.15	74.0	26.85	Peak	173.00	400	Vertical	Pass
4**	7466.612	37.71	54.0	16.29	AV	173.00	400	Vertical	Pass
5	12567.725	47.95	74.0	26.05	Peak	270.00	100	Vertical	Pass
5**	12567.725	38.16	54.0	15.84	AV	270.00	100	Vertical	Pass
6	15841.463	50.91	74.0	23.09	Peak	0.00	400	Vertical	Pass
6**	15841.463	41.21	54.0	12.79	AV	0.00	400	Vertical	Pass

## 11n40, 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	1504.500	37.51	74.0	36.49	Peak	100.00	300	Horizontal	Pass
1**	1504.500	27.67	54.0	26.33	AV	100.00	300	Horizontal	Pass
2	3779.800	48.33	74.0	25.67	Peak	164.00	300	Horizontal	Pass
2**	3779.800	42.32	54.0	11.68	AV	164.00	300	Horizontal	Pass
3	5671.800	100.03	--	--	Peak	230.00	150	Horizontal	N/A
3**	5671.800	91.46	--	--	AV	230.00	150	Horizontal	N/A
4	7560.050	45.89	74.0	28.11	Peak	360.00	300	Horizontal	Pass
4**	7560.050	39.40	54.0	14.60	AV	360.00	300	Horizontal	Pass
5	12619.475	48.80	74.0	25.20	Peak	187.00	100	Horizontal	Pass
5**	12619.475	38.72	54.0	15.28	AV	187.00	100	Horizontal	Pass
6	16164.862	50.61	74.0	23.39	Peak	360.00	100	Horizontal	Pass
6**	16164.862	40.64	54.0	13.36	AV	360.00	100	Horizontal	Pass

## 11n40, 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	1485.600	38.13	74.0	35.87	Peak	176.00	300	Vertical	Pass
1**	1485.600	28.59	54.0	25.41	AV	176.00	300	Vertical	Pass
2	4378.400	48.04	74.0	25.96	Peak	85.00	300	Vertical	Pass
2**	4378.400	39.03	54.0	14.97	AV	85.00	300	Vertical	Pass
3	5658.600	95.16	--	--	Peak	69.00	150	Vertical	N/A
3**	5658.600	86.75	--	--	AV	69.00	150	Vertical	N/A
4	7441.888	46.15	74.0	27.85	Peak	138.00	300	Vertical	Pass
4**	7441.888	36.85	54.0	17.15	AV	138.00	300	Vertical	Pass
5	11648.012	47.42	74.0	26.58	Peak	138.00	100	Vertical	Pass
5**	11648.012	36.80	54.0	17.20	AV	138.00	100	Vertical	Pass
6	15824.925	50.79	74.0	23.21	Peak	39.00	100	Vertical	Pass
6**	15824.925	41.88	54.0	12.12	AV	39.00	100	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	1598.100	36.56	74.0	37.44	Peak	22.00	300	Horizontal	Pass
1**	1598.100	27.68	54.0	26.32	AV	22.00	300	Horizontal	Pass
2	3667.000	48.47	74.0	25.53	Peak	74.00	150	Horizontal	Pass
2**	3667.000	46.32	54.0	7.68	AV	74.00	150	Horizontal	Pass
3	5499.200	104.08	--	--	Peak	234.00	200	Horizontal	N/A
3**	5499.200	96.76	--	--	AV	234.00	200	Horizontal	N/A
4	7333.500	48.78	74.0	25.22	Peak	346.00	300	Horizontal	Pass
4**	7333.500	43.10	54.0	10.90	AV	346.00	300	Horizontal	Pass
5	11952.187	47.77	74.0	26.23	Peak	222.00	200	Horizontal	Pass
5**	11952.187	37.64	54.0	16.36	AV	222.00	200	Horizontal	Pass
6	16170.900	50.31	74.0	23.69	Peak	167.00	400	Horizontal	Pass
6**	16170.900	42.34	54.0	11.66	AV	167.00	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	1499.700	40.04	74.0	33.96	Peak	237.00	200	Vertical	Pass
1**	1499.700	29.84	54.0	24.16	AV	237.00	200	Vertical	Pass
2	4283.600	47.90	74.0	26.10	Peak	0.00	200	Vertical	Pass
2**	4283.600	38.24	54.0	15.76	AV	0.00	200	Vertical	Pass
3	5498.600	99.21	--	--	Peak	251.00	100	Vertical	N/A
3**	5498.600	90.94	--	--	AV	251.00	100	Vertical	N/A
4	7333.500	47.22	74.0	26.78	Peak	170.00	100	Vertical	Pass
4**	7333.500	42.86	54.0	11.14	AV	170.00	100	Vertical	Pass
5	12418.800	47.66	74.0	26.34	Peak	121.00	150	Vertical	Pass
5**	12418.800	38.32	54.0	15.68	AV	121.00	150	Vertical	Pass
6	16197.937	51.08	74.0	22.92	Peak	305.00	100	Vertical	Pass
6**	16197.937	40.37	54.0	13.63	AV	305.00	100	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	1494.400	36.78	74.0	37.22	Peak	193.00	100	Horizontal	Pass
1**	1494.400	27.69	54.0	26.31	AV	193.00	100	Horizontal	Pass
2	3720.200	48.60	74.0	25.40	Peak	74.00	200	Horizontal	Pass
2**	3720.200	44.76	54.0	9.24	AV	74.00	200	Horizontal	Pass
3	5578.400	105.16	--	--	Peak	217.00	100	Horizontal	N/A
3**	5578.400	98.01	--	--	AV	217.00	100	Horizontal	N/A
4	7439.875	46.81	74.0	27.19	Peak	345.00	300	Horizontal	Pass
4**	7439.875	40.22	54.0	13.78	AV	345.00	300	Horizontal	Pass
5	12434.037	47.60	74.0	26.40	Peak	360.00	100	Horizontal	Pass
5**	12434.037	38.56	54.0	15.44	AV	360.00	100	Horizontal	Pass
6	15840.151	50.59	74.0	23.41	Peak	169.00	100	Horizontal	Pass
6**	15840.151	40.84	54.0	13.16	AV	169.00	100	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	1494.500	38.43	74.0	35.57	Peak	30.00	100	Vertical	Pass
1**	1494.500	27.72	54.0	26.28	AV	30.00	100	Vertical	Pass
2	4075.200	47.57	74.0	26.43	Peak	360.00	100	Vertical	Pass
2**	4075.200	37.17	54.0	16.83	AV	360.00	100	Vertical	Pass
3	5578.400	99.01	--	--	Peak	109.00	100	Vertical	N/A
3**	5578.400	91.45	--	--	AV	109.00	100	Vertical	N/A
4	7439.875	46.69	74.0	27.31	Peak	73.00	100	Vertical	Pass
4**	7439.875	39.96	54.0	14.04	AV	73.00	100	Vertical	Pass
5	10911.150	47.78	74.0	26.22	Peak	73.00	200	Vertical	Pass
5**	10911.150	38.20	54.0	15.80	AV	73.00	200	Vertical	Pass
6	15585.000	50.65	74.0	23.35	Peak	112.00	100	Vertical	Pass
6**	15585.000	41.01	54.0	12.99	AV	112.00	100	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	1506.400	36.69	74.0	37.31	Peak	251.00	400	Horizontal	Pass
1**	1506.400	27.71	54.0	26.29	AV	251.00	400	Horizontal	Pass
2	4388.800	48.67	74.0	25.33	Peak	137.00	400	Horizontal	Pass
2**	4388.800	38.50	54.0	15.50	AV	137.00	400	Horizontal	Pass
3	5698.600	102.78	--	--	Peak	218.00	150	Horizontal	N/A
3**	5698.600	96.64	--	--	AV	218.00	150	Horizontal	N/A
4	7555.163	46.44	74.0	27.56	Peak	47.00	100	Horizontal	Pass
4**	7555.163	36.37	54.0	17.63	AV	47.00	100	Horizontal	Pass
5	12576.062	47.34	74.0	26.66	Peak	347.00	200	Horizontal	Pass
5**	12576.062	38.31	54.0	15.69	AV	347.00	200	Horizontal	Pass
6	15842.250	50.43	74.0	23.57	Peak	3.00	100	Horizontal	Pass
6**	15842.250	41.67	54.0	12.33	AV	3.00	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	1518.000	37.63	74.0	36.37	Peak	160.00	400	Vertical	Pass
1**	1518.000	27.30	54.0	26.70	AV	160.00	400	Vertical	Pass
2	3674.600	47.55	74.0	26.45	Peak	93.00	400	Vertical	Pass
2**	3674.600	37.40	54.0	16.60	AV	93.00	400	Vertical	Pass
3	5698.600	99.43	--	--	Peak	29.00	100	Vertical	N/A
3**	5698.600	91.79	--	--	AV	29.00	100	Vertical	N/A
4	7438.150	46.48	74.0	27.52	Peak	272.00	300	Vertical	Pass
4**	7438.150	36.97	54.0	17.03	AV	272.00	300	Vertical	Pass
5	12590.725	48.27	74.0	25.73	Peak	272.00	100	Vertical	Pass
5**	12590.725	38.24	54.0	15.76	AV	272.00	100	Vertical	Pass
6	15575.287	50.67	74.0	23.33	Peak	199.00	200	Vertical	Pass
6**	15575.287	41.56	54.0	12.44	AV	199.00	200	Vertical	Pass

## 11ac40, 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	1508.100	37.50	74.0	36.50	Peak	186.00	200	Horizontal	Pass
1**	1508.100	27.60	54.0	26.40	AV	186.00	200	Horizontal	Pass
2	3673.600	49.86	74.0	24.14	Peak	94.00	150	Horizontal	Pass
2**	3673.600	47.89	54.0	6.11	AV	94.00	150	Horizontal	Pass
3	5512.400	102.39	--	--	Peak	230.00	100	Horizontal	N/A
3**	5512.400	95.72	--	--	AV	230.00	100	Horizontal	N/A
4	7347.013	47.01	74.0	26.99	Peak	338.00	150	Horizontal	Pass
4**	7347.013	43.29	54.0	10.71	AV	338.00	150	Horizontal	Pass
5	11955.637	47.85	74.0	26.15	Peak	144.00	100	Horizontal	Pass
5**	11955.637	37.69	54.0	16.31	AV	144.00	100	Horizontal	Pass
6	16077.712	49.80	74.0	24.20	Peak	335.00	200	Horizontal	Pass
6**	16077.712	41.01	54.0	12.99	AV	335.00	200	Horizontal	Pass

## 11ac40, 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	1507.400	38.55	74.0	35.45	Peak	107.00	200	Vertical	Pass
1**	1507.400	28.31	54.0	25.69	AV	107.00	200	Vertical	Pass
2	4186.800	48.05	74.0	25.95	Peak	44.00	300	Vertical	Pass
2**	4186.800	37.78	54.0	16.22	AV	44.00	300	Vertical	Pass
3	5513.600	98.22	--	--	Peak	267.00	100	Vertical	N/A
3**	5513.600	89.87	--	--	AV	267.00	100	Vertical	N/A
4	7346.725	46.28	74.0	27.72	Peak	0.00	200	Vertical	Pass
4**	7346.725	42.46	54.0	11.54	AV	0.00	200	Vertical	Pass
5	11918.262	48.09	74.0	25.91	Peak	0.00	100	Vertical	Pass
5**	11918.262	38.30	54.0	15.70	AV	0.00	100	Vertical	Pass
6	15999.487	49.81	74.0	24.19	Peak	360.00	400	Vertical	Pass
6**	15999.487	39.85	54.0	14.15	AV	360.00	400	Vertical	Pass

## 11ac40, 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	1450.400	37.36	74.0	36.64	Peak	216.00	100	Horizontal	Pass
1**	1450.400	27.40	54.0	26.60	AV	216.00	100	Horizontal	Pass
2	3726.600	48.45	74.0	25.55	Peak	100.00	300	Horizontal	Pass
2**	3726.600	44.27	54.0	9.73	AV	100.00	300	Horizontal	Pass
3	5594.200	101.36	--	--	Peak	232.00	200	Horizontal	N/A
3**	5594.200	93.46	--	--	AV	232.00	200	Horizontal	N/A
4	7453.100	46.67	74.0	27.33	Peak	344.00	200	Horizontal	Pass
4**	7453.100	39.71	54.0	14.29	AV	344.00	200	Horizontal	Pass
5	11323.425	47.84	74.0	26.16	Peak	64.00	100	Horizontal	Pass
5**	11323.425	38.92	54.0	15.08	AV	64.00	100	Horizontal	Pass
6	16072.988	51.18	74.0	22.82	Peak	9.00	300	Horizontal	Pass
6**	16072.988	40.93	54.0	13.07	AV	9.00	300	Horizontal	Pass

## 11ac40, 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	1494.200	40.61	74.0	33.39	Peak	106.00	300	Vertical	Pass
1**	1494.200	33.21	54.0	20.79	AV	106.00	300	Vertical	Pass
2	4382.400	48.07	74.0	25.93	Peak	0.00	300	Vertical	Pass
2**	4382.400	38.22	54.0	15.78	AV	0.00	300	Vertical	Pass
3	5586.600	96.21	--	--	Peak	0.00	100	Vertical	N/A
3**	5586.600	87.87	--	--	AV	0.00	100	Vertical	N/A
4	7444.188	46.37	74.0	27.63	Peak	147.00	300	Vertical	Pass
4**	7444.188	37.30	54.0	16.70	AV	147.00	300	Vertical	Pass
5	11318.825	48.02	74.0	25.98	Peak	196.00	150	Vertical	Pass
5**	11318.825	39.41	54.0	14.59	AV	196.00	150	Vertical	Pass
6	16149.638	50.55	74.0	23.45	Peak	167.00	100	Vertical	Pass
6**	16149.638	40.51	54.0	13.49	AV	167.00	100	Vertical	Pass

## 11ac40, 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	1619.700	37.16	74.0	36.84	Peak	170.00	400	Horizontal	Pass
1**	1619.700	27.42	54.0	26.58	AV	170.00	400	Horizontal	Pass
2	3779.800	48.33	74.0	25.67	Peak	125.00	100	Horizontal	Pass
2**	3779.800	42.49	54.0	11.51	AV	125.00	100	Horizontal	Pass
3	5671.800	99.23	--	--	Peak	222.00	200	Horizontal	N/A
3**	5671.800	91.77	--	--	AV	222.00	200	Horizontal	N/A
4	7359.663	46.79	74.0	27.21	Peak	231.00	400	Horizontal	Pass
4**	7359.663	37.47	54.0	16.53	AV	231.00	400	Horizontal	Pass
5	12463.938	47.82	74.0	26.18	Peak	360.00	200	Horizontal	Pass
5**	12463.938	37.72	54.0	16.28	AV	360.00	200	Horizontal	Pass
6	15578.438	50.76	74.0	23.24	Peak	118.00	150	Horizontal	Pass
6**	15578.438	41.65	54.0	12.35	AV	118.00	150	Horizontal	Pass

## 11ac40, 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	1500.200	38.86	74.0	35.14	Peak	112.00	400	Vertical	Pass
1**	1500.200	27.98	54.0	26.02	AV	112.00	400	Vertical	Pass
2	4318.000	47.86	74.0	26.14	Peak	314.00	300	Vertical	Pass
2**	4318.000	38.37	54.0	15.63	AV	314.00	300	Vertical	Pass
3	5673.800	95.88	--	--	Peak	1.00	200	Vertical	N/A
3**	5673.800	87.98	--	--	AV	1.00	200	Vertical	N/A
4	7501.112	46.15	74.0	27.85	Peak	122.00	300	Vertical	Pass
4**	7501.112	37.18	54.0	16.82	AV	122.00	300	Vertical	Pass
5	12463.075	47.74	74.0	26.26	Peak	320.00	150	Vertical	Pass
5**	12463.075	38.50	54.0	15.50	AV	320.00	150	Vertical	Pass
6	15839.887	50.63	74.0	23.37	Peak	0.00	100	Vertical	Pass
6**	15839.887	41.45	54.0	12.55	AV	0.00	100	Vertical	Pass

## 11ac80, 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	1485.500	37.22	74.0	36.78	Peak	348.00	300	Horizontal	Pass
1**	1485.500	27.82	54.0	26.18	AV	348.00	300	Horizontal	Pass
2	3686.800	49.24	74.0	24.76	Peak	94.00	100	Horizontal	Pass
2**	3686.800	45.75	54.0	8.25	AV	94.00	100	Horizontal	Pass
3	5521.400	98.69	--	--	Peak	223.00	150	Horizontal	N/A
3**	5521.400	90.99	--	--	AV	223.00	150	Horizontal	N/A
4	7443.900	46.08	74.0	27.92	Peak	79.00	200	Horizontal	Pass
4**	7443.900	37.61	54.0	16.39	AV	79.00	200	Horizontal	Pass
5	11917.688	47.84	74.0	26.16	Peak	259.00	100	Horizontal	Pass
5**	11917.688	38.14	54.0	15.86	AV	259.00	100	Horizontal	Pass
6	15802.875	51.31	74.0	22.69	Peak	66.00	300	Horizontal	Pass
6**	15802.875	41.16	54.0	12.84	AV	66.00	300	Horizontal	Pass

## 11ac80, 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	1497.500	39.24	74.0	34.76	Peak	82.00	300	Vertical	Pass
1**	1497.500	27.74	54.0	26.26	AV	82.00	300	Vertical	Pass
2	4391.400	47.97	74.0	26.03	Peak	296.00	200	Vertical	Pass
2**	4391.400	38.50	54.0	15.50	AV	296.00	200	Vertical	Pass
3	5522.800	93.15	--	--	Peak	265.00	200	Vertical	N/A
3**	5522.800	85.80	--	--	AV	265.00	200	Vertical	N/A
4	7453.100	46.47	74.0	27.53	Peak	153.00	100	Vertical	Pass
4**	7453.100	36.24	54.0	17.76	AV	153.00	100	Vertical	Pass
5	11919.988	47.80	74.0	26.20	Peak	52.00	150	Vertical	Pass
5**	11919.988	38.54	54.0	15.46	AV	52.00	150	Vertical	Pass
6	15988.987	50.76	74.0	23.24	Peak	275.00	100	Vertical	Pass
6**	15988.987	41.91	54.0	12.09	AV	275.00	100	Vertical	Pass

## 11ac80, 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	1496.300	37.66	74.0	36.34	Peak	130.00	200	Horizontal	Pass
1**	1496.300	28.21	54.0	25.79	AV	130.00	200	Horizontal	Pass
2	3739.800	49.27	74.0	24.73	Peak	91.00	400	Horizontal	Pass
2**	3739.800	42.72	54.0	11.28	AV	91.00	400	Horizontal	Pass
3	5615.800	97.80	--	--	Peak	238.00	200	Horizontal	N/A
3**	5615.800	88.91	--	--	AV	238.00	200	Horizontal	N/A
4	7402.212	45.70	74.0	28.30	Peak	334.00	200	Horizontal	Pass
4**	7402.212	36.86	54.0	17.14	AV	334.00	200	Horizontal	Pass
5	11935.799	47.43	74.0	26.57	Peak	334.00	200	Horizontal	Pass
5**	11935.799	38.25	54.0	15.75	AV	334.00	200	Horizontal	Pass
6	15591.825	50.20	74.0	23.80	Peak	350.00	150	Horizontal	Pass
6**	15591.825	40.44	54.0	13.56	AV	350.00	150	Horizontal	Pass

## 11ac80, 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	1479.500	38.06	74.0	35.94	Peak	114.00	100	Vertical	Pass
1**	1479.500	29.08	54.0	24.92	AV	114.00	100	Vertical	Pass
2	4237.000	47.14	74.0	26.86	Peak	338.00	150	Vertical	Pass
2**	4237.000	38.04	54.0	15.96	AV	338.00	150	Vertical	Pass
3	5603.800	92.08	--	--	Peak	306.00	200	Vertical	N/A
3**	5603.800	85.94	--	--	AV	306.00	200	Vertical	N/A
4	7476.388	46.35	74.0	27.65	Peak	284.00	400	Vertical	Pass
4**	7476.388	37.02	54.0	16.98	AV	284.00	400	Vertical	Pass
5	10837.550	47.59	74.0	26.41	Peak	78.00	100	Vertical	Pass
5**	10837.550	39.35	54.0	14.65	AV	78.00	100	Vertical	Pass
6	15844.350	50.70	74.0	23.30	Peak	210.00	150	Vertical	Pass
6**	15844.350	40.39	54.0	13.61	AV	210.00	150	Vertical	Pass

## 11a, 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	1469.600	37.48	74.0	36.52	Peak	352.00	300	Horizontal	Pass
1**	1469.600	26.88	54.0	27.12	AV	352.00	300	Horizontal	Pass
2	4141.400	47.67	74.0	26.33	Peak	321.00	300	Horizontal	Pass
2**	4141.400	38.55	54.0	15.45	AV	321.00	300	Horizontal	Pass
3	5744.000	97.01	--	--	Peak	241.00	150	Horizontal	N/A
3**	5744.000	89.93	--	--	AV	241.00	150	Horizontal	N/A
4	7452.812	46.35	74.0	27.65	Peak	39.00	400	Horizontal	Pass
4**	7452.812	37.81	54.0	16.19	AV	39.00	400	Horizontal	Pass
5	11908.200	47.92	74.0	26.08	Peak	138.00	200	Horizontal	Pass
5**	11908.200	38.82	54.0	15.18	AV	138.00	200	Horizontal	Pass
6	15503.625	50.54	74.0	23.46	Peak	328.00	300	Horizontal	Pass
6**	15503.625	42.79	54.0	11.21	AV	328.00	300	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	1457.400	38.25	74.0	35.75	Peak	92.00	200	Vertical	Pass
1**	1457.400	27.65	54.0	26.35	AV	92.00	200	Vertical	Pass
2	4386.800	47.84	74.0	26.16	Peak	201.00	100	Vertical	Pass
2**	4386.800	39.23	54.0	14.77	AV	201.00	100	Vertical	Pass
3	5742.800	94.13	--	--	Peak	14.00	200	Vertical	N/A
3**	5742.800	85.93	--	--	AV	14.00	200	Vertical	N/A
4	7340.687	45.95	74.0	28.05	Peak	217.00	200	Vertical	Pass
4**	7340.687	37.23	54.0	16.77	AV	217.00	200	Vertical	Pass
5	11955.063	47.37	74.0	26.63	Peak	217.00	200	Vertical	Pass
5**	11955.063	37.96	54.0	16.04	AV	217.00	200	Vertical	Pass
6	15557.701	50.93	74.0	23.07	Peak	312.00	200	Vertical	Pass
6**	15557.701	40.78	54.0	13.22	AV	312.00	200	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	1495.700	38.15	74.0	35.85	Peak	248.00	200	Horizontal	Pass
1**	1495.700	28.54	54.0	25.46	AV	248.00	200	Horizontal	Pass
2	3857.000	48.17	74.0	25.83	Peak	80.00	400	Horizontal	Pass
2**	3857.000	41.05	54.0	12.95	AV	80.00	400	Horizontal	Pass
3	5782.800	98.37	--	--	Peak	247.00	150	Horizontal	N/A
3**	5782.800	90.26	--	--	AV	247.00	150	Horizontal	N/A
4	7422.050	46.06	74.0	27.94	Peak	0.00	300	Horizontal	Pass
4**	7422.050	36.52	54.0	17.48	AV	0.00	300	Horizontal	Pass
5	12043.900	48.19	74.0	25.81	Peak	0.00	150	Horizontal	Pass
5**	12043.900	37.03	54.0	16.97	AV	0.00	150	Horizontal	Pass
6	16184.287	50.19	74.0	23.81	Peak	231.00	100	Horizontal	Pass
6**	16184.287	40.57	54.0	13.43	AV	231.00	100	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	1493.800	41.64	74.0	32.36	Peak	103.00	100	Vertical	Pass
1**	1493.800	28.67	54.0	25.33	AV	103.00	100	Vertical	Pass
2	4388.800	48.38	74.0	25.62	Peak	66.00	400	Vertical	Pass
2**	4388.800	39.22	54.0	14.78	AV	66.00	400	Vertical	Pass
3	5786.000	94.79	--	--	Peak	66.00	150	Vertical	N/A
3**	5786.000	86.90	--	--	AV	66.00	150	Vertical	N/A
4	7504.563	46.18	74.0	27.82	Peak	284.00	300	Vertical	Pass
4**	7504.563	36.96	54.0	17.04	AV	284.00	300	Vertical	Pass
5	12456.750	47.43	74.0	26.57	Peak	181.00	100	Vertical	Pass
5**	12456.750	37.96	54.0	16.04	AV	181.00	100	Vertical	Pass
6	15503.887	50.64	74.0	23.36	Peak	145.00	300	Vertical	Pass
6**	15503.887	40.61	54.0	13.39	AV	145.00	300	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	1494.000	37.80	74.0	36.20	Peak	38.00	200	Horizontal	Pass
1**	1494.000	28.28	54.0	25.72	AV	38.00	200	Horizontal	Pass
2	4286.000	48.78	74.0	25.22	Peak	110.00	100	Horizontal	Pass
2**	4286.000	37.81	54.0	16.19	AV	110.00	100	Horizontal	Pass
3	5826.400	95.88	--	--	Peak	1.00	150	Horizontal	N/A
3**	5826.400	88.66	--	--	AV	1.00	150	Horizontal	N/A
4	7485.875	45.82	74.0	28.18	Peak	291.00	300	Horizontal	Pass
4**	7485.875	36.78	54.0	17.22	AV	291.00	300	Horizontal	Pass
5	11940.112	47.58	74.0	26.42	Peak	0.00	200	Horizontal	Pass
5**	11940.112	38.30	54.0	15.70	AV	0.00	200	Horizontal	Pass
6	15619.387	50.24	74.0	23.76	Peak	0.00	300	Horizontal	Pass
6**	15619.387	40.62	54.0	13.38	AV	0.00	300	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	1514.900	38.42	74.0	35.58	Peak	66.00	400	Vertical	Pass
1**	1514.900	29.44	54.0	24.56	AV	66.00	400	Vertical	Pass
2	4143.200	47.48	74.0	26.52	Peak	8.00	300	Vertical	Pass
2**	4143.200	38.21	54.0	15.79	AV	8.00	300	Vertical	Pass
3	5823.400	94.85	--	--	Peak	24.00	200	Vertical	N/A
3**	5823.400	87.37	--	--	AV	24.00	200	Vertical	N/A
4	7453.388	46.47	74.0	27.53	Peak	52.00	200	Vertical	Pass
4**	7453.388	36.59	54.0	17.41	AV	52.00	200	Vertical	Pass
5	11497.075	47.92	74.0	26.08	Peak	0.00	200	Vertical	Pass
5**	11497.075	38.20	54.0	15.80	AV	0.00	200	Vertical	Pass
6	16081.388	50.69	74.0	23.31	Peak	0.00	200	Vertical	Pass
6**	16081.388	41.05	54.0	12.95	AV	0.00	200	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	1509.400	37.44	74.0	36.56	Peak	264.00	300	Horizontal	Pass
1**	1509.400	27.43	54.0	26.57	AV	264.00	300	Horizontal	Pass
2	3914.800	47.39	74.0	26.61	Peak	193.00	200	Horizontal	Pass
2**	3914.800	37.93	54.0	16.07	AV	193.00	200	Horizontal	Pass
3	5742.600	98.08	--	--	Peak	240.00	100	Horizontal	N/A
3**	5742.600	89.02	--	--	AV	240.00	100	Horizontal	N/A
4	7723.638	46.32	74.0	27.68	Peak	164.00	200	Horizontal	Pass
4**	7723.638	36.88	54.0	17.12	AV	164.00	200	Horizontal	Pass
5	10915.463	47.78	74.0	26.22	Peak	164.00	100	Horizontal	Pass
5**	10915.463	38.09	54.0	15.91	AV	164.00	100	Horizontal	Pass
6	15583.950	50.46	74.0	23.54	Peak	54.00	300	Horizontal	Pass
6**	15583.950	41.49	54.0	12.51	AV	54.00	300	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	1539.500	38.14	74.0	35.86	Peak	89.00	300	Vertical	Pass
1**	1539.500	29.16	54.0	24.84	AV	89.00	300	Vertical	Pass
2	4087.600	48.00	74.0	26.00	Peak	0.00	100	Vertical	Pass
2**	4087.600	37.61	54.0	16.39	AV	0.00	100	Vertical	Pass
3	5746.400	94.09	--	--	Peak	64.00	150	Vertical	N/A
3**	5746.400	86.08	--	--	AV	64.00	150	Vertical	N/A
4	7345.575	46.39	74.0	27.61	Peak	189.00	200	Vertical	Pass
4**	7345.575	36.29	54.0	17.71	AV	189.00	200	Vertical	Pass
5	11924.875	48.06	74.0	25.94	Peak	0.00	150	Vertical	Pass
5**	11924.875	38.32	54.0	15.68	AV	0.00	150	Vertical	Pass
6	15471.600	50.37	74.0	23.63	Peak	71.00	200	Vertical	Pass
6**	15471.600	41.19	54.0	12.81	AV	71.00	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	1461.000	37.67	74.0	36.33	Peak	191.00	300	Horizontal	Pass
1**	1461.000	27.45	54.0	26.55	AV	191.00	300	Horizontal	Pass
2	4343.800	48.09	74.0	25.91	Peak	0.00	200	Horizontal	Pass
2**	4343.800	38.97	54.0	15.03	AV	0.00	200	Horizontal	Pass
3	5786.200	97.58	--	--	Peak	233.00	150	Horizontal	N/A
3**	5786.200	90.81	--	--	AV	233.00	150	Horizontal	N/A
4	7520.088	46.51	74.0	27.49	Peak	153.00	200	Horizontal	Pass
4**	7520.088	36.64	54.0	17.36	AV	153.00	200	Horizontal	Pass
5	11936.375	47.41	74.0	26.59	Peak	127.00	100	Horizontal	Pass
5**	11936.375	38.08	54.0	15.92	AV	127.00	100	Horizontal	Pass
6	16070.362	50.17	74.0	23.83	Peak	30.00	200	Horizontal	Pass
6**	16070.362	41.35	54.0	12.65	AV	30.00	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	1495.000	39.27	74.0	34.73	Peak	88.00	300	Vertical	Pass
1**	1495.000	30.05	54.0	23.95	AV	88.00	300	Vertical	Pass
2	4300.400	48.25	74.0	25.75	Peak	308.00	300	Vertical	Pass
2**	4300.400	38.27	54.0	15.73	AV	308.00	300	Vertical	Pass
3	5784.000	94.95	--	--	Peak	343.00	100	Vertical	N/A
3**	5784.000	88.74	--	--	AV	343.00	100	Vertical	N/A
4	7530.438	46.17	74.0	27.83	Peak	110.00	400	Vertical	Pass
4**	7530.438	36.20	54.0	17.80	AV	110.00	400	Vertical	Pass
5	11333.775	47.42	74.0	26.58	Peak	83.00	100	Vertical	Pass
5**	11333.775	38.06	54.0	15.94	AV	83.00	100	Vertical	Pass
6	15848.287	50.86	74.0	23.14	Peak	118.00	300	Vertical	Pass
6**	15848.287	41.27	54.0	12.73	AV	118.00	300	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	1604.800	37.28	74.0	36.72	Peak	101.00	300	Horizontal	Pass
1**	1604.800	28.17	54.0	25.83	AV	101.00	300	Horizontal	Pass
2	4094.800	47.95	74.0	26.05	Peak	299.00	300	Horizontal	Pass
2**	4094.800	38.19	54.0	15.81	AV	299.00	300	Horizontal	Pass
3	5823.200	95.57	--	--	Peak	1.00	200	Horizontal	N/A
3**	5823.200	88.47	--	--	AV	1.00	200	Horizontal	N/A
4	7339.537	46.11	74.0	27.89	Peak	269.00	400	Horizontal	Pass
4**	7339.537	37.75	54.0	16.25	AV	269.00	400	Horizontal	Pass
5	11905.613	47.77	74.0	26.23	Peak	269.00	150	Horizontal	Pass
5**	11905.613	37.93	54.0	16.07	AV	269.00	150	Horizontal	Pass
6	16017.599	50.79	74.0	23.21	Peak	307.00	400	Horizontal	Pass
6**	16017.599	40.68	54.0	13.32	AV	307.00	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	1495.300	40.51	74.0	33.49	Peak	39.00	300	Vertical	Pass
1**	1495.300	31.79	54.0	22.21	AV	39.00	300	Vertical	Pass
2	4367.800	48.54	74.0	25.46	Peak	73.00	100	Vertical	Pass
2**	4367.800	39.38	54.0	14.62	AV	73.00	100	Vertical	Pass
3	5822.600	95.70	--	--	Peak	24.00	200	Vertical	N/A
3**	5822.600	87.15	--	--	AV	24.00	200	Vertical	N/A
4	7468.337	46.72	74.0	27.28	Peak	346.00	200	Vertical	Pass
4**	7468.337	37.45	54.0	16.55	AV	346.00	200	Vertical	Pass
5	12582.963	47.96	74.0	26.04	Peak	131.00	200	Vertical	Pass
5**	12582.963	38.35	54.0	15.65	AV	131.00	200	Vertical	Pass
6	15444.037	50.28	74.0	23.72	Peak	0.00	100	Vertical	Pass
6**	15444.037	41.06	54.0	12.94	AV	0.00	100	Vertical	Pass

## 11n40, 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	1624.500	37.31	74.0	36.69	Peak	153.00	100	Horizontal	Pass
1**	1624.500	28.08	54.0	25.92	AV	153.00	100	Horizontal	Pass
2	4238.400	47.68	74.0	26.32	Peak	157.00	400	Horizontal	Pass
2**	4238.400	38.24	54.0	15.76	AV	157.00	400	Horizontal	Pass
3	5765.800	95.23	--	--	Peak	218.00	100	Horizontal	N/A
3**	5765.800	87.11	--	--	AV	218.00	100	Horizontal	N/A
4	7464.888	46.78	74.0	27.22	Peak	0.00	100	Horizontal	Pass
4**	7464.888	37.25	54.0	16.75	AV	0.00	100	Horizontal	Pass
5	11932.637	47.65	74.0	26.35	Peak	0.00	100	Horizontal	Pass
5**	11932.637	37.87	54.0	16.13	AV	0.00	100	Horizontal	Pass
6	15457.688	51.14	74.0	22.86	Peak	196.00	200	Horizontal	Pass
6**	15457.688	42.10	54.0	11.90	AV	196.00	200	Horizontal	Pass

## 11n40, 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	1441.200	38.17	74.0	35.83	Peak	75.00	100	Vertical	Pass
1**	1441.200	31.73	54.0	22.27	AV	75.00	100	Vertical	Pass
2	4390.800	48.22	74.0	25.78	Peak	37.00	300	Vertical	Pass
2**	4390.800	38.89	54.0	15.11	AV	37.00	300	Vertical	Pass
3	5771.000	91.27	--	--	Peak	37.00	100	Vertical	N/A
3**	5771.000	83.67	--	--	AV	37.00	100	Vertical	N/A
4	7482.713	46.09	74.0	27.91	Peak	346.00	300	Vertical	Pass
4**	7482.713	37.58	54.0	16.42	AV	346.00	300	Vertical	Pass
5	11373.737	48.41	74.0	25.59	Peak	26.00	200	Vertical	Pass
5**	11373.737	38.12	54.0	15.88	AV	26.00	200	Vertical	Pass
6	15505.200	50.77	74.0	23.23	Peak	0.00	200	Vertical	Pass
6**	15505.200	40.93	54.0	13.07	AV	0.00	200	Vertical	Pass

## 11n40, 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	1516.400	37.62	74.0	36.38	Peak	360.00	100	Horizontal	Pass
1**	1516.400	29.23	54.0	24.77	AV	360.00	100	Horizontal	Pass
2	4296.600	48.15	74.0	25.85	Peak	186.00	300	Horizontal	Pass
2**	4296.600	39.55	54.0	14.45	AV	186.00	300	Horizontal	Pass
3	5791.400	95.18	--	--	Peak	0.00	150	Horizontal	N/A
3**	5791.400	87.37	--	--	AV	0.00	150	Horizontal	N/A
4	7371.163	46.04	74.0	27.96	Peak	321.00	400	Horizontal	Pass
4**	7371.163	35.57	54.0	18.43	AV	321.00	400	Horizontal	Pass
5	11830.575	47.82	74.0	26.18	Peak	297.00	150	Horizontal	Pass
5**	11830.575	37.64	54.0	16.36	AV	297.00	150	Horizontal	Pass
6	16159.875	49.89	74.0	24.11	Peak	280.00	400	Horizontal	Pass
6**	16159.875	40.87	54.0	13.13	AV	280.00	400	Horizontal	Pass

## 11n40, 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	1499.400	40.36	74.0	33.64	Peak	39.00	300	Vertical	Pass
1**	1499.400	30.18	54.0	23.82	AV	39.00	300	Vertical	Pass
2	4392.800	48.04	74.0	25.96	Peak	173.00	400	Vertical	Pass
2**	4392.800	38.84	54.0	15.16	AV	173.00	400	Vertical	Pass
3	5797.800	94.11	--	--	Peak	36.00	100	Vertical	N/A
3**	5797.800	85.89	--	--	AV	36.00	100	Vertical	N/A
4	7445.338	47.41	74.0	26.59	Peak	56.00	100	Vertical	Pass
4**	7445.338	37.37	54.0	16.63	AV	56.00	100	Vertical	Pass
5	12598.200	48.04	74.0	25.96	Peak	351.00	200	Vertical	Pass
5**	12598.200	37.53	54.0	16.47	AV	351.00	200	Vertical	Pass
6	16085.850	50.55	74.0	23.45	Peak	212.00	200	Vertical	Pass
6**	16085.850	41.59	54.0	12.41	AV	212.00	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	1490.500	37.41	74.0	36.59	Peak	23.00	200	Horizontal	Pass
1**	1490.500	29.24	54.0	24.76	AV	23.00	200	Horizontal	Pass
2	4237.600	48.02	74.0	25.98	Peak	237.00	300	Horizontal	Pass
2**	4237.600	37.97	54.0	16.03	AV	237.00	300	Horizontal	Pass
3	5744.000	96.77	--	--	Peak	237.00	100	Horizontal	N/A
3**	5744.000	89.05	--	--	AV	237.00	100	Horizontal	N/A
4	7498.812	46.41	74.0	27.59	Peak	25.00	100	Horizontal	Pass
4**	7498.812	35.90	54.0	18.10	AV	25.00	100	Horizontal	Pass
5	12460.200	47.60	74.0	26.40	Peak	96.00	150	Horizontal	Pass
5**	12460.200	38.68	54.0	15.32	AV	96.00	150	Horizontal	Pass
6	15575.550	50.51	74.0	23.49	Peak	136.00	200	Horizontal	Pass
6**	15575.550	41.92	54.0	12.08	AV	136.00	200	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	1500.400	42.19	74.0	31.81	Peak	90.00	200	Vertical	Pass
1**	1500.400	28.58	54.0	25.42	AV	90.00	200	Vertical	Pass
2	4213.200	47.36	74.0	26.64	Peak	360.00	300	Vertical	Pass
2**	4213.200	38.56	54.0	15.44	AV	360.00	300	Vertical	Pass
3	5742.400	93.12	--	--	Peak	14.00	100	Vertical	N/A
3**	5742.400	85.40	--	--	AV	14.00	100	Vertical	N/A
4	7382.087	46.16	74.0	27.84	Peak	229.00	200	Vertical	Pass
4**	7382.087	37.08	54.0	16.92	AV	229.00	200	Vertical	Pass
5	11149.200	47.78	74.0	26.22	Peak	179.00	150	Vertical	Pass
5**	11149.200	37.27	54.0	16.73	AV	179.00	150	Vertical	Pass
6	15846.974	50.79	74.0	23.21	Peak	107.00	200	Vertical	Pass
6**	15846.974	41.25	54.0	12.75	AV	107.00	200	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	1506.800	37.56	74.0	36.44	Peak	277.00	400	Horizontal	Pass
1**	1506.800	28.97	54.0	25.03	AV	277.00	400	Horizontal	Pass
2	4361.000	47.43	74.0	26.57	Peak	119.00	300	Horizontal	Pass
2**	4361.000	38.66	54.0	15.34	AV	119.00	300	Horizontal	Pass
3	5783.600	97.80	--	--	Peak	245.00	100	Horizontal	N/A
3**	5783.600	90.49	--	--	AV	245.00	100	Horizontal	N/A
4	7330.050	46.07	74.0	27.93	Peak	241.00	200	Horizontal	Pass
4**	7330.050	36.51	54.0	17.49	AV	241.00	200	Horizontal	Pass
5	12488.950	49.07	74.0	24.93	Peak	0.00	100	Horizontal	Pass
5**	12488.950	38.29	54.0	15.71	AV	0.00	100	Horizontal	Pass
6	16083.225	51.29	74.0	22.71	Peak	78.00	400	Horizontal	Pass
6**	16083.225	41.55	54.0	12.45	AV	78.00	400	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	1493.400	40.47	74.0	33.53	Peak	101.00	400	Vertical	Pass
1**	1493.400	30.62	54.0	23.38	AV	101.00	400	Vertical	Pass
2	4235.600	47.78	74.0	26.22	Peak	360.00	300	Vertical	Pass
2**	4235.600	38.34	54.0	15.66	AV	360.00	300	Vertical	Pass
3	5783.600	94.83	--	--	Peak	347.00	100	Vertical	N/A
3**	5783.600	88.01	--	--	AV	347.00	100	Vertical	N/A
4	7462.300	45.97	74.0	28.03	Peak	272.00	400	Vertical	Pass
4**	7462.300	37.84	54.0	16.16	AV	272.00	400	Vertical	Pass
5	12457.900	47.77	74.0	26.23	Peak	303.00	200	Vertical	Pass
5**	12457.900	38.41	54.0	15.59	AV	303.00	200	Vertical	Pass
6	15818.888	50.54	74.0	23.46	Peak	89.00	200	Vertical	Pass
6**	15818.888	41.58	54.0	12.42	AV	89.00	200	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	1487.000	37.38	74.0	36.62	Peak	284.00	400	Horizontal	Pass
1**	1487.000	28.44	54.0	25.56	AV	284.00	400	Horizontal	Pass
2	3740.600	47.97	74.0	26.03	Peak	234.00	100	Horizontal	Pass
2**	3740.600	38.95	54.0	15.05	AV	234.00	100	Horizontal	Pass
3	5826.800	95.80	--	--	Peak	345.00	150	Horizontal	N/A
3**	5826.800	88.15	--	--	AV	345.00	150	Horizontal	N/A
4	7468.625	47.01	74.0	26.99	Peak	326.00	100	Horizontal	Pass
4**	7468.625	37.88	54.0	16.12	AV	326.00	100	Horizontal	Pass
5	12601.650	47.93	74.0	26.07	Peak	126.00	200	Horizontal	Pass
5**	12601.650	38.18	54.0	15.82	AV	126.00	200	Horizontal	Pass
6	16078.238	51.45	74.0	22.55	Peak	186.00	300	Horizontal	Pass
6**	16078.238	41.12	54.0	12.88	AV	186.00	300	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	1517.400	38.93	74.0	35.07	Peak	66.00	100	Vertical	Pass
1**	1517.400	28.81	54.0	25.19	AV	66.00	100	Vertical	Pass
2	3673.000	47.91	74.0	26.09	Peak	126.00	200	Vertical	Pass
2**	3673.000	38.02	54.0	15.98	AV	126.00	200	Vertical	Pass
3	5823.200	94.06	--	--	Peak	24.00	150	Vertical	N/A
3**	5823.200	87.01	--	--	AV	24.00	150	Vertical	N/A
4	7418.025	46.39	74.0	27.61	Peak	360.00	400	Vertical	Pass
4**	7418.025	36.43	54.0	17.57	AV	360.00	400	Vertical	Pass
5	12576.925	48.96	74.0	25.04	Peak	132.00	150	Vertical	Pass
5**	12576.925	37.85	54.0	16.15	AV	132.00	150	Vertical	Pass
6	15454.800	50.25	74.0	23.75	Peak	150.00	300	Vertical	Pass
6**	15454.800	41.66	54.0	12.34	AV	150.00	300	Vertical	Pass

## 11ac40, 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	1606.400	37.11	74.0	36.89	Peak	328.00	100	Horizontal	Pass
1**	1606.400	27.75	54.0	26.25	AV	328.00	100	Horizontal	Pass
2	4234.200	47.99	74.0	26.01	Peak	360.00	100	Horizontal	Pass
2**	4234.200	39.21	54.0	14.79	AV	360.00	100	Horizontal	Pass
3	5758.000	94.99	--	--	Peak	227.00	150	Horizontal	N/A
3**	5758.000	86.91	--	--	AV	227.00	150	Horizontal	N/A
4	7434.413	46.32	74.0	27.68	Peak	27.00	100	Horizontal	Pass
4**	7434.413	36.54	54.0	17.46	AV	27.00	100	Horizontal	Pass
5	11290.937	47.81	74.0	26.19	Peak	218.00	150	Horizontal	Pass
5**	11290.937	38.53	54.0	15.47	AV	218.00	150	Horizontal	Pass
6	15807.075	50.18	74.0	23.82	Peak	119.00	400	Horizontal	Pass
6**	15807.075	40.51	54.0	13.49	AV	119.00	400	Horizontal	Pass

## 11ac40, 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	1494.200	40.86	74.0	33.14	Peak	31.00	400	Vertical	Pass
1**	1494.200	28.59	54.0	25.41	AV	31.00	400	Vertical	Pass
2	4135.600	47.52	74.0	26.48	Peak	326.00	400	Vertical	Pass
2**	4135.600	38.34	54.0	15.66	AV	326.00	400	Vertical	Pass
3	5758.600	92.35	--	--	Peak	35.00	200	Vertical	N/A
3**	5758.600	84.08	--	--	AV	35.00	200	Vertical	N/A
4	7365.125	46.85	74.0	27.15	Peak	350.00	400	Vertical	Pass
4**	7365.125	37.34	54.0	16.66	AV	350.00	400	Vertical	Pass
5	12491.825	48.25	74.0	25.75	Peak	270.00	150	Vertical	Pass
5**	12491.825	39.08	54.0	14.92	AV	270.00	150	Vertical	Pass
6	15850.651	50.38	74.0	23.62	Peak	0.00	200	Vertical	Pass
6**	15850.651	40.81	54.0	13.19	AV	0.00	200	Vertical	Pass

## 11ac40, 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	1504.800	37.72	74.0	36.28	Peak	353.00	100	Horizontal	Pass
1**	1504.800	28.33	54.0	25.67	AV	353.00	100	Horizontal	Pass
2	4242.400	47.96	74.0	26.04	Peak	289.00	100	Horizontal	Pass
2**	4242.400	37.98	54.0	16.02	AV	289.00	100	Horizontal	Pass
3	5792.200	95.01	--	--	Peak	4.00	200	Horizontal	N/A
3**	5792.200	86.74	--	--	AV	4.00	200	Horizontal	N/A
4	7330.050	47.18	74.0	26.82	Peak	194.00	200	Horizontal	Pass
4**	7330.050	37.16	54.0	16.84	AV	194.00	200	Horizontal	Pass
5	11914.812	47.52	74.0	26.48	Peak	0.00	100	Horizontal	Pass
5**	11914.812	38.50	54.0	15.50	AV	0.00	100	Horizontal	Pass
6	15996.599	50.09	74.0	23.91	Peak	280.00	300	Horizontal	Pass
6**	15996.599	40.25	54.0	13.75	AV	280.00	300	Horizontal	Pass

## 11ac40, 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	1467.400	38.61	74.0	35.39	Peak	23.00	100	Vertical	Pass
1**	1467.400	27.34	54.0	26.66	AV	23.00	100	Vertical	Pass
2	4239.200	47.90	74.0	26.10	Peak	306.00	400	Vertical	Pass
2**	4239.200	38.45	54.0	15.55	AV	306.00	400	Vertical	Pass
3	5785.600	93.54	--	--	Peak	21.00	200	Vertical	N/A
3**	5785.600	84.57	--	--	AV	21.00	200	Vertical	N/A
4	7314.237	46.49	74.0	27.51	Peak	333.00	100	Vertical	Pass
4**	7314.237	36.42	54.0	17.58	AV	333.00	100	Vertical	Pass
5	12448.987	48.07	74.0	25.93	Peak	29.00	150	Vertical	Pass
5**	12448.987	38.62	54.0	15.38	AV	29.00	150	Vertical	Pass
6	15579.225	50.86	74.0	23.14	Peak	301.00	400	Vertical	Pass
6**	15579.225	41.23	54.0	12.77	AV	301.00	400	Vertical	Pass

## 11ac80, 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	1586.600	38.08	74.0	35.92	Peak	276.00	100	Horizontal	Pass
1**	1586.600	28.05	54.0	25.95	AV	276.00	100	Horizontal	Pass
2	4371.800	48.01	74.0	25.99	Peak	123.00	400	Horizontal	Pass
2**	4371.800	39.28	54.0	14.72	AV	123.00	400	Horizontal	Pass
3	5779.600	92.66	--	--	Peak	220.00	100	Horizontal	N/A
3**	5779.600	84.61	--	--	AV	220.00	100	Horizontal	N/A
4	7316.250	46.22	74.0	27.78	Peak	317.00	200	Horizontal	Pass
4**	7316.250	36.26	54.0	17.74	AV	317.00	200	Horizontal	Pass
5	11426.062	47.29	74.0	26.71	Peak	23.00	200	Horizontal	Pass
5**	11426.062	37.95	54.0	16.05	AV	23.00	200	Horizontal	Pass
6	16076.662	50.63	74.0	23.37	Peak	88.00	400	Horizontal	Pass
6**	16076.662	41.36	54.0	12.64	AV	88.00	400	Horizontal	Pass

## 11ac80, 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	1497.100	38.67	74.0	35.33	Peak	31.00	100	Vertical	Pass
1**	1497.100	29.40	54.0	24.60	AV	31.00	100	Vertical	Pass
2	4316.800	47.91	74.0	26.09	Peak	6.00	100	Vertical	Pass
2**	4316.800	39.29	54.0	14.71	AV	6.00	100	Vertical	Pass
3	5782.200	90.36	--	--	Peak	38.00	150	Vertical	N/A
3**	5782.200	82.27	--	--	AV	38.00	150	Vertical	N/A
4	7400.775	46.39	74.0	27.61	Peak	73.00	400	Vertical	Pass
4**	7400.775	36.83	54.0	17.17	AV	73.00	400	Vertical	Pass
5	12507.062	47.51	74.0	26.49	Peak	98.00	150	Vertical	Pass
5**	12507.062	38.11	54.0	15.89	AV	98.00	150	Vertical	Pass
6	16081.651	51.14	74.0	22.86	Peak	239.00	100	Vertical	Pass
6**	16081.651	41.34	54.0	12.66	AV	239.00	100	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
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
802.11ac(VHT80)	Middle	Pass	
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
802.11ac(VHT80)	Middle	Pass	
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
802.11ac(VHT80)	Low	Pass	
	High	Pass	
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

### Test Data

#### 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	5148.050	60.19	74.0	13.81	Peak	255.00	100	Horizontal	Pass
1**	5148.050	48.10	54.0	5.90	AV	255.00	100	Horizontal	Pass
2	5150.000	57.56	74.0	16.44	Peak	224.00	150	Horizontal	Pass
2**	5150.000	48.26	54.0	5.74	AV	224.00	150	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	52.65	74.0	21.35	Peak	243.00	150	Horizontal	Pass
1**	5350.000	42.65	54.0	11.35	AV	243.00	150	Horizontal	Pass
2	5457.800	55.06	74.0	18.94	Peak	98.00	100	Horizontal	Pass
2**	5457.800	43.35	54.0	10.65	AV	98.00	100	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	5149.350	59.28	74.0	14.72	Peak	232.00	200	Horizontal	Pass
1**	5149.350	47.52	54.0	6.48	AV	232.00	200	Horizontal	Pass
2	5150.000	56.10	74.0	17.90	Peak	251.00	150	Horizontal	Pass
2**	5150.000	47.88	54.0	6.12	AV	251.00	150	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	5350.055	53.07	74.0	20.93	Peak	200.00	200	Horizontal	Pass
1**	5350.055	43.00	54.0	11.00	AV	200.00	200	Horizontal	Pass
2	5423.755	55.27	74.0	18.73	Peak	212.00	150	Horizontal	Pass
2**	5423.755	43.10	54.0	10.90	AV	212.00	150	Horizontal	Pass

## U-NII-1 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.775	59.31	74.0	14.69	Peak	253.00	100	Horizontal	Pass
1**	5145.775	49.17	54.0	4.83	AV	253.00	100	Horizontal	Pass
2	5150.000	59.16	74.0	14.84	Peak	231.00	200	Horizontal	Pass
2**	5150.000	49.56	54.0	4.44	AV	231.00	200	Horizontal	Pass

## U-NII-1 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	53.51	74.0	20.49	Peak	182.00	150	Horizontal	Pass
1**	5350.055	42.72	54.0	11.28	AV	182.00	150	Horizontal	Pass
2	5458.680	54.56	74.0	19.44	Peak	276.00	150	Horizontal	Pass
2**	5458.680	43.40	54.0	10.60	AV	276.00	150	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	5141.550	58.23	74.0	15.77	Peak	235.00	150	Horizontal	Pass
1**	5141.550	47.91	54.0	6.09	AV	235.00	150	Horizontal	Pass
2	5150.000	57.12	74.0	16.88	Peak	227.00	150	Horizontal	Pass
2**	5150.000	47.73	54.0	6.27	AV	227.00	150	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	5350.055	52.91	74.0	21.09	Peak	189.00	100	Horizontal	Pass
1**	5350.055	43.11	54.0	10.89	AV	189.00	100	Horizontal	Pass
2	5371.670	54.79	74.0	19.21	Peak	185.00	150	Horizontal	Pass
2**	5371.670	43.20	54.0	10.80	AV	185.00	150	Horizontal	Pass

## U-NII-1 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.425	60.40	74.0	13.60	Peak	228.00	150	Horizontal	Pass
1**	5146.425	50.27	54.0	3.73	AV	228.00	150	Horizontal	Pass
2	5150.000	59.06	74.0	14.94	Peak	249.00	150	Horizontal	Pass
2**	5150.000	49.51	54.0	4.49	AV	249.00	150	Horizontal	Pass

## U-NII-1 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	52.31	74.0	21.69	Peak	149.00	200	Horizontal	Pass
1**	5350.000	43.29	54.0	10.71	AV	149.00	200	Horizontal	Pass
2	5361.935	54.63	74.0	19.37	Peak	194.00	100	Horizontal	Pass
2**	5361.935	43.19	54.0	10.81	AV	194.00	100	Horizontal	Pass

## U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5138.300	57.52	74.0	16.48	Peak	243.00	200	Horizontal	Pass
1**	5138.300	46.16	54.0	7.84	AV	243.00	200	Horizontal	Pass
2	5150.000	54.86	74.0	19.14	Peak	252.00	200	Horizontal	Pass
2**	5150.000	46.49	54.0	7.51	AV	252.00	200	Horizontal	Pass

## U-NII-1 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	52.31	74.0	21.69	Peak	153.00	150	Horizontal	Pass
1**	5350.055	42.76	54.0	11.24	AV	153.00	150	Horizontal	Pass
2	5446.910	55.13	74.0	18.87	Peak	269.00	150	Horizontal	Pass
2**	5446.910	43.17	54.0	10.83	AV	269.00	150	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	5135.050	54.74	74.0	19.26	Peak	81.00	100	Horizontal	Pass
1**	5135.050	43.67	54.0	10.33	AV	81.00	100	Horizontal	Pass
2	5150.000	52.88	74.0	21.12	Peak	44.00	200	Horizontal	Pass
2**	5150.000	44.29	54.0	9.71	AV	44.00	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	55.30	74.0	18.70	Peak	218.00	150	Horizontal	Pass
1**	5350.000	45.16	54.0	8.84	AV	218.00	150	Horizontal	Pass
2	5361.935	59.57	74.0	14.43	Peak	244.00	200	Horizontal	Pass
2**	5361.935	45.37	54.0	8.63	AV	244.00	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	5144.800	54.46	74.0	19.54	Peak	215.00	100	Horizontal	Pass
1**	5144.800	43.92	54.0	10.08	AV	215.00	100	Horizontal	Pass
2	5150.000	52.86	74.0	21.14	Peak	208.00	150	Horizontal	Pass
2**	5150.000	44.37	54.0	9.63	AV	208.00	150	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	58.56	74.0	15.44	Peak	245.00	200	Horizontal	Pass
1**	5350.000	45.79	54.0	8.21	AV	245.00	200	Horizontal	Pass
2	5353.685	59.53	74.0	14.47	Peak	241.00	100	Horizontal	Pass
2**	5353.685	45.16	54.0	8.84	AV	241.00	100	Horizontal	Pass

## U-NII-2A 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5105.475	54.69	74.0	19.31	Peak	357.00	200	Horizontal	Pass
1**	5105.475	43.16	54.0	10.84	AV	357.00	200	Horizontal	Pass
2	5150.000	56.02	74.0	17.98	Peak	225.00	200	Horizontal	Pass
2**	5150.000	44.00	54.0	10.00	AV	225.00	200	Horizontal	Pass

## U-NII-2A 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.11	74.0	16.89	Peak	240.00	150	Horizontal	Pass
1**	5350.000	49.81	54.0	4.19	AV	240.00	150	Horizontal	Pass
2	5350.440	59.31	74.0	14.69	Peak	244.00	150	Horizontal	Pass
2**	5350.440	48.79	54.0	5.21	AV	244.00	150	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	5146.750	55.19	74.0	18.81	Peak	228.00	150	Horizontal	Pass
1**	5146.750	43.86	54.0	10.14	AV	228.00	150	Horizontal	Pass
2	5150.000	53.05	74.0	20.95	Peak	239.00	200	Horizontal	Pass
2**	5150.000	43.72	54.0	10.28	AV	239.00	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	5350.055	59.33	74.0	14.67	Peak	243.00	100	Horizontal	Pass
1**	5350.055	45.16	54.0	8.84	AV	243.00	100	Horizontal	Pass
2	5353.960	59.38	74.0	14.62	Peak	238.00	200	Horizontal	Pass
2**	5353.960	45.25	54.0	8.75	AV	238.00	200	Horizontal	Pass

## U-NII-2A 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	55.32	74.0	18.68	Peak	232.00	200	Horizontal	Pass
1**	5148.700	43.71	54.0	10.29	AV	232.00	200	Horizontal	Pass
2	5150.000	52.75	74.0	21.25	Peak	232.00	200	Horizontal	Pass
2**	5150.000	43.93	54.0	10.07	AV	232.00	200	Horizontal	Pass

## U-NII-2A 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.74	74.0	17.26	Peak	262.00	100	Horizontal	Pass
1**	5350.055	47.63	54.0	6.37	AV	262.00	100	Horizontal	Pass
2	5350.605	58.34	74.0	15.66	Peak	220.00	150	Horizontal	Pass
2**	5350.605	48.02	54.0	5.98	AV	220.00	150	Horizontal	Pass

## U-NII-2A 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.425	54.93	74.0	19.07	Peak	233.00	150	Horizontal	Pass
1**	5146.425	43.97	54.0	10.03	AV	233.00	150	Horizontal	Pass
2	5150.000	52.95	74.0	21.05	Peak	335.00	150	Horizontal	Pass
2**	5150.000	43.71	54.0	10.29	AV	335.00	150	Horizontal	Pass

## U-NII-2A 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	58.45	74.0	15.55	Peak	247.00	200	Horizontal	Pass
1**	5350.055	49.10	54.0	4.90	AV	247.00	200	Horizontal	Pass
2	5359.735	59.57	74.0	14.43	Peak	247.00	100	Horizontal	Pass
2**	5359.735	48.46	54.0	5.54	AV	247.00	100	Horizontal	Pass
3	5356.105	57.37	74.0	16.63	Peak	243.00	150	Horizontal	Pass
3**	5356.105	49.90	54.0	4.10	AV	243.00	150	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	5458.200	56.34	74.0	17.66	Peak	263.00	150	Horizontal	Pass
1**	5458.200	46.08	54.0	7.92	AV	263.00	150	Horizontal	Pass
2	5460.000	54.96	74.0	19.04	Peak	210.00	200	Horizontal	Pass
2**	5460.000	46.62	54.0	7.38	AV	210.00	200	Horizontal	Pass
3	5461.700	57.85	68.2	10.35	Peak	242.00	200	Horizontal	Pass
3**	5461.700	46.44	--	--	AV	242.00	200	Horizontal	N/A
4	5469.950	56.52	68.2	11.68	Peak	230.00	100	Horizontal	Pass
4**	5469.950	47.23	--	--	AV	230.00	100	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	5725.050	54.78	68.2	13.42	Peak	235.00	100	Horizontal	Pass
2	5725.200	58.64	68.2	9.56	Peak	221.00	200	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	5448.750	58.46	74.0	15.54	Peak	243.00	200	Horizontal	Pass
1**	5448.750	45.60	54.0	8.40	AV	243.00	200	Horizontal	Pass
2	5460.000	54.45	74.0	19.55	Peak	228.00	200	Horizontal	Pass
2**	5460.000	45.44	54.0	8.56	AV	228.00	200	Horizontal	Pass
3	5467.200	58.51	68.2	9.69	Peak	236.00	150	Horizontal	Pass
3**	5467.200	46.97	--	--	AV	236.00	150	Horizontal	N/A
4	5469.950	55.71	68.2	12.49	Peak	205.00	200	Horizontal	Pass
4**	5469.950	47.58	--	--	AV	205.00	200	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	58.55	68.2	9.65	Peak	0.00	100	Horizontal	Pass
2	5726.100	57.97	68.2	10.23	Peak	222.00	150	Horizontal	Pass

## U-NII-2C 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.250	57.45	74.0	16.55	Peak	242.00	200	Horizontal	Pass
1**	5455.250	45.41	54.0	8.59	AV	242.00	200	Horizontal	Pass
2	5460.000	55.24	74.0	18.76	Peak	222.00	100	Horizontal	Pass
2**	5460.000	46.54	54.0	7.46	AV	222.00	100	Horizontal	Pass
3	5466.250	58.70	68.2	9.50	Peak	238.00	150	Horizontal	Pass
3**	5466.250	47.92	--	--	AV	238.00	150	Horizontal	N/A
4	5469.950	56.51	68.2	11.69	Peak	238.00	100	Horizontal	Pass
4**	5469.950	47.08	--	--	AV	238.00	100	Horizontal	N/A

## U-NII-2C 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	53.05	68.2	15.15	Peak	350.00	100	Horizontal	Pass
2	5756.050	56.04	68.2	12.16	Peak	25.00	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	5458.550	56.63	74.0	17.37	Peak	241.00	150	Horizontal	Pass
1**	5458.550	46.02	54.0	7.98	AV	241.00	150	Horizontal	Pass
2	5460.000	54.73	74.0	19.27	Peak	237.00	150	Horizontal	Pass
2**	5460.000	45.80	54.0	8.20	AV	237.00	150	Horizontal	Pass
3	5469.000	58.14	68.2	10.06	Peak	241.00	200	Horizontal	Pass
3**	5469.000	47.33	--	--	AV	241.00	200	Horizontal	N/A
4	5469.950	55.64	68.2	12.56	Peak	241.00	150	Horizontal	Pass
4**	5469.950	47.64	--	--	AV	241.00	150	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	55.02	68.2	13.18	Peak	232.00	200	Horizontal	Pass
2	5725.500	57.65	68.2	10.55	Peak	360.00	150	Horizontal	Pass

## U-NII-2C 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.500	56.66	74.0	17.34	Peak	240.00	200	Horizontal	Pass
1**	5455.500	45.49	54.0	8.51	AV	240.00	200	Horizontal	Pass
2	5460.000	55.04	74.0	18.96	Peak	254.00	150	Horizontal	Pass
2**	5460.000	46.21	54.0	7.79	AV	254.00	150	Horizontal	Pass
3	5469.000	57.38	68.2	10.82	Peak	247.00	200	Horizontal	Pass
3**	5469.000	46.41	--	--	AV	247.00	200	Horizontal	N/A
4	5469.950	55.82	68.2	12.38	Peak	224.00	200	Horizontal	Pass
4**	5469.950	46.44	--	--	AV	224.00	200	Horizontal	N/A

## U-NII-2C 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	53.17	68.2	15.03	Peak	314.00	150	Horizontal	Pass
2	5817.800	55.64	68.2	12.56	Peak	217.00	100	Horizontal	Pass

## U-NII-2C 11ac80 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5454.350	56.72	74.0	17.28	Peak	263.00	100	Horizontal	Pass
1**	5454.350	45.05	54.0	8.95	AV	263.00	100	Horizontal	Pass
2	5460.000	54.80	74.0	19.20	Peak	224.00	150	Horizontal	Pass
2**	5460.000	45.83	54.0	8.17	AV	224.00	150	Horizontal	Pass
3	5466.900	57.47	68.2	10.73	Peak	255.00	150	Horizontal	Pass
3**	5466.900	46.24	--	--	AV	255.00	150	Horizontal	N/A
4	5469.950	54.53	68.2	13.67	Peak	275.00	100	Horizontal	Pass
4**	5469.950	46.12	--	--	AV	275.00	100	Horizontal	N/A

## U-NII-2C 11ac80 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	53.33	68.2	14.87	Peak	52.00	150	Horizontal	Pass
2	5784.050	55.32	68.2	12.88	Peak	70.00	200	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	5646.950	55.01	68.2	13.19	Peak	175.00	200	Horizontal	Pass
2	5650.000	53.71	68.2	14.49	Peak	75.00	200	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	5924.950	53.43	68.2	14.77	Peak	13.00	150	Horizontal	Pass
2	5937.500	55.06	68.2	13.14	Peak	0.00	200	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	5647.850	54.74	68.2	13.46	Peak	187.00	150	Vertical	Pass
2	5650.000	53.98	68.2	14.22	Peak	180.00	150	Vertical	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	5924.950	52.74	68.2	15.46	Peak	206.00	200	Horizontal	Pass
2	5942.300	55.42	68.2	12.78	Peak	55.00	200	Horizontal	Pass

## U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5639.050	55.07	68.2	13.13	Peak	360.00	100	Horizontal	Pass
2	5650.000	52.93	68.2	15.27	Peak	125.00	150	Horizontal	Pass

## U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	52.74	68.2	15.46	Peak	307.00	150	Horizontal	Pass
2	5940.450	54.63	68.2	13.57	Peak	0.00	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	5631.300	54.33	68.2	13.87	Peak	312.00	100	Horizontal	Pass
2	5650.000	52.98	68.2	15.22	Peak	349.00	150	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	5924.950	52.70	68.2	15.50	Peak	360.00	100	Horizontal	Pass
2	5943.150	55.36	68.2	12.84	Peak	197.00	200	Horizontal	Pass

## U-NII-3 11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5641.650	55.04	68.2	13.16	Peak	229.00	200	Horizontal	Pass
2	5650.000	53.76	68.2	14.44	Peak	182.00	150	Horizontal	Pass

## U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	53.17	68.2	15.03	Peak	186.00	150	Horizontal	Pass
2	5941.900	54.95	68.2	13.25	Peak	262.00	150	Horizontal	Pass

## U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5633.950	54.75	68.2	13.45	Peak	360.00	200	Horizontal	Pass
2	5650.000	53.69	68.2	14.51	Peak	298.00	150	Horizontal	Pass

## U-NII-3 11ac80 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	52.55	68.2	15.65	Peak	356.00	100	Horizontal	Pass
2	5933.050	55.70	68.2	12.50	Peak	240.00	150	Horizontal	Pass

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2550149-AR-2.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2550149-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2550149-AI.PDF”.

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--END OF REPORT--