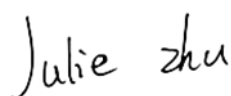
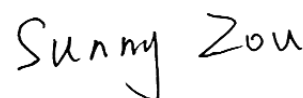


TEST REPORT

Applicant: Libre Wireless Technologies, Inc.
Address: 17835 Newhope Street, Ste A, Fountain Valley, CA
92708, US
Equipment Type: High Performance Wireless Media Module
Model Name: LS8 (refer to section 2.3)
Brand Name: LIBRE
FCC ID: 2ADBM-LS8
ISED Number: 20276-LS8
47 CFR Part 15 Subpart E
Test Standard: RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Sep. 09, 2024
Test Date: Sep. 19, 2024 - Oct. 21, 2024
Date of Issue: Nov. 04, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Nov. 04, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Libre Wireless Technologies, Inc.
Address	17835 Newhope Street, Ste A, Fountain Valley, CA 92708, US

2.2 Manufacturer Information

Manufacturer	Libre Wireless Technologies, Inc.
Address	17835 Newhope Street, Ste A, Fountain Valley, CA 92708, US

2.3 General Description for Equipment under Test (EUT)

EUT Name	High Performance Wireless Media Module
Model Name Under Test	LS8
Series Model Name	LS8-NFK-22G-S, LS8-NFK-24G-S, LS8-NFK-44G-S, LS8-NFK-22G-R, LS8-NFK-24G-R, LS8-NFK-44G-R, LS8-NFK-11G-R, LS8-NFK-12G-R, LS8-NFK-21G-R, LS8-NFK-42G-R
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name and memory, the R series WIFI only has one IPEX port. (this information provided by the applicant)
Serial Number	20240902LS8
Hardware Version	MP1.0
Software Version	8118
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

Antenna Information:

Antenna Manufacturer	Model	Antenna Type	Antenna Gain
AUDEN COMMUNICATIONS & MULTIMEDIA TECHNO (KUNSHAN) CO., LTD	LSANT-1C-180	PCB	5.9 dBi
Suzhou Point Positive Electronic Technology Co., Ltd	RC1WFI0886A	Rod	2.73919 dBi
AUDEN COMMUNICATIONS & MULTIMEDIA TECHNO (KUNSHAN) CO., LTD	AUK01966B-2.4&5.8G	FPC	2.13 dBi
Note: Antenna model AUK01966B-2.4&5.8G and RC1WFI0886A are alternative antennas, the max gain antenna is chosen for all test.			

2.4 Technical Information

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

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard
Modulation technology	OFDM
Modulation Type	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: 39.63 mW U-NII-2A: 49.77 mW U-NII-2C: 50.00 mW U-NII-3: 49.89 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PCB Antenna
Antenna Gain	5.9 dBi
About the Product	The equipment is High Performance Wireless Media Module, intended for used with information technology equipment.

Mode	Antenna	
	Antenna 1	Antenna 3
802.11a	√	√
802.11n20	√	√
802.11n40	√	√
802.11ac20	√	√
802.11ac40	√	√
802.11ac80	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.		

2.5 Channel List

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

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

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

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	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	42% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.3℃ to +24.8℃
Working Voltage of the EUT	NV (Normal Voltage)	5 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
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	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
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	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

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℃
Humidity	4%

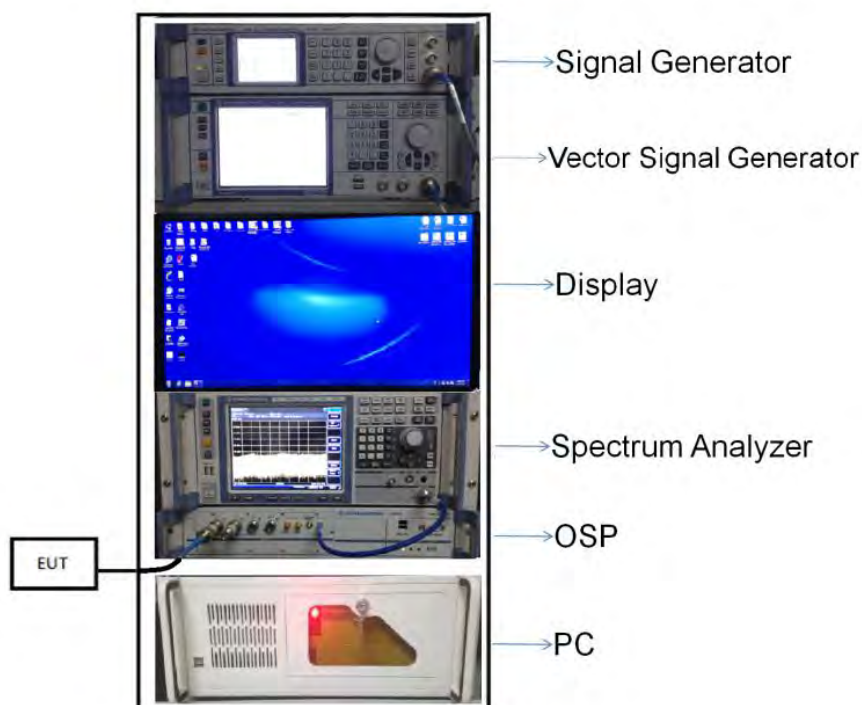
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

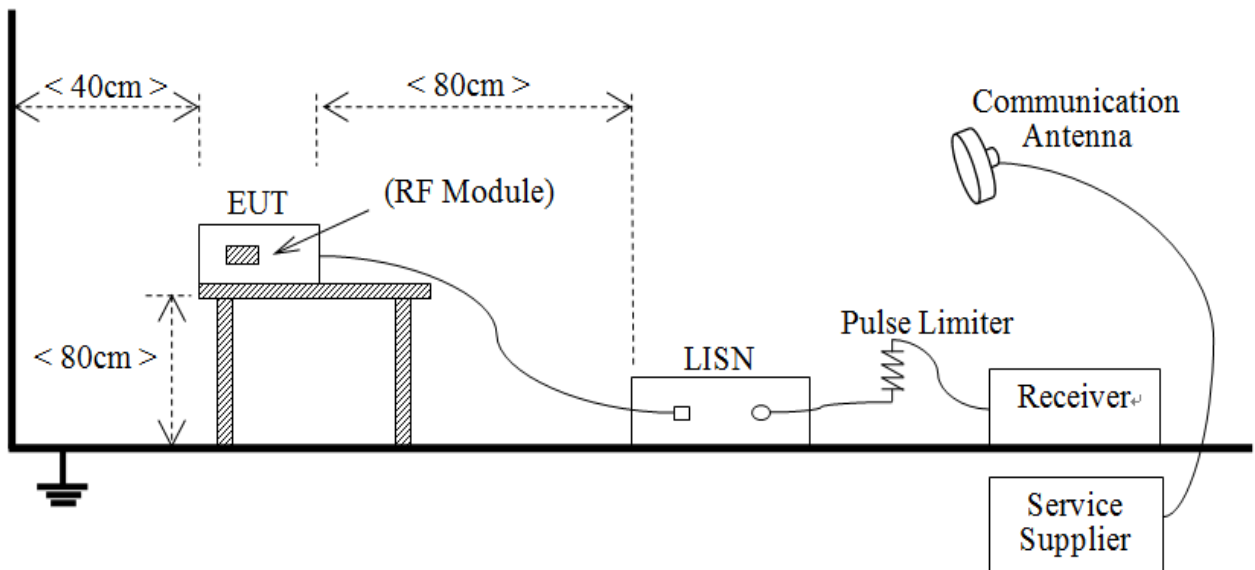
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



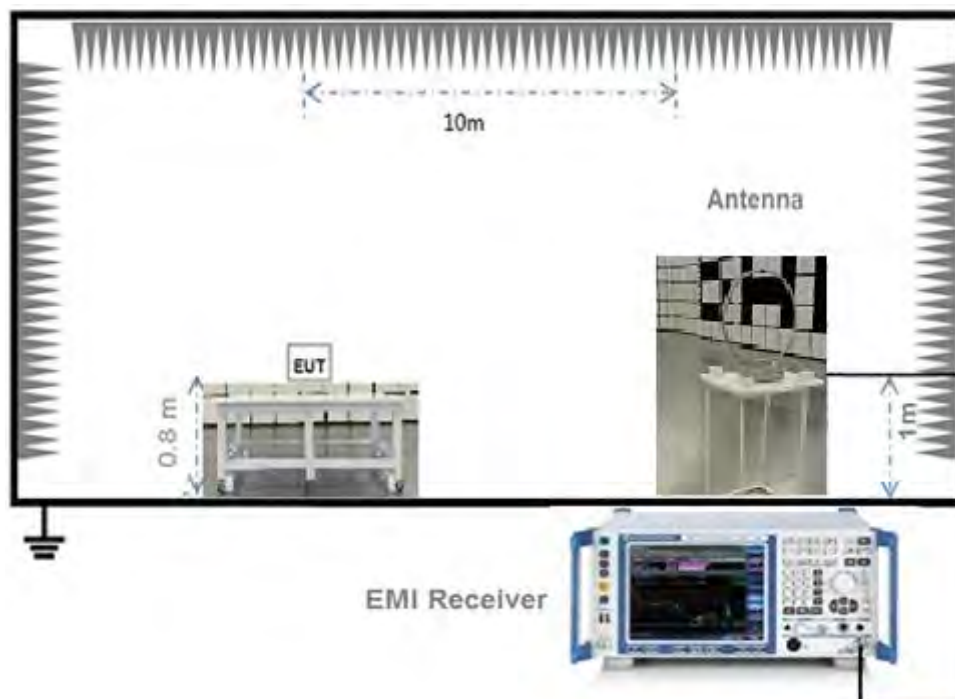
(Diagram 1)

4.5.2 For AC Power Supply Port Test



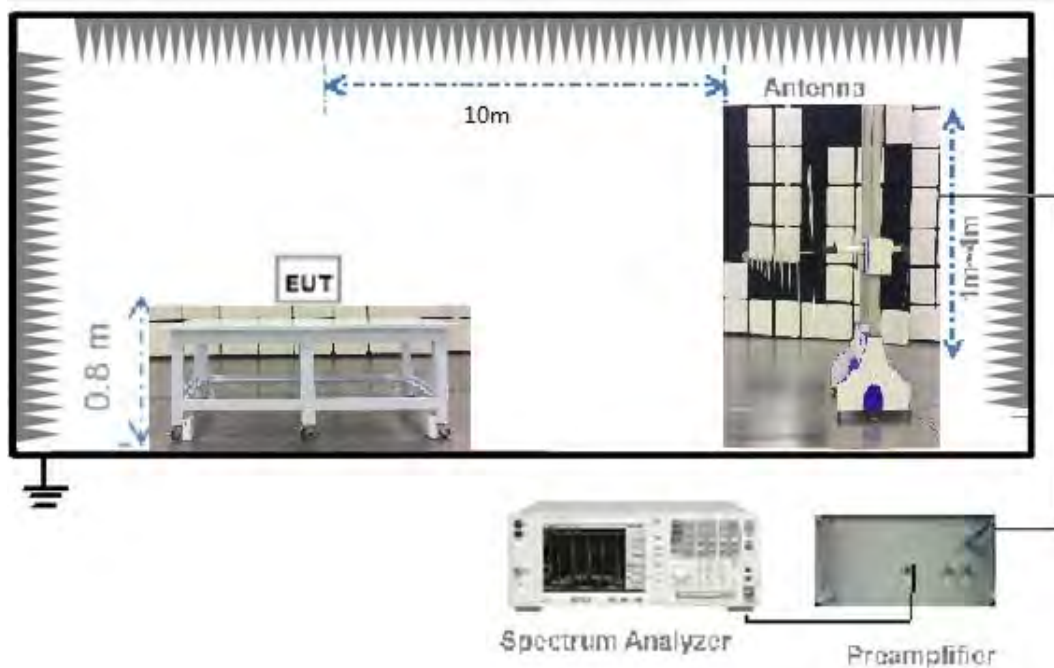
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



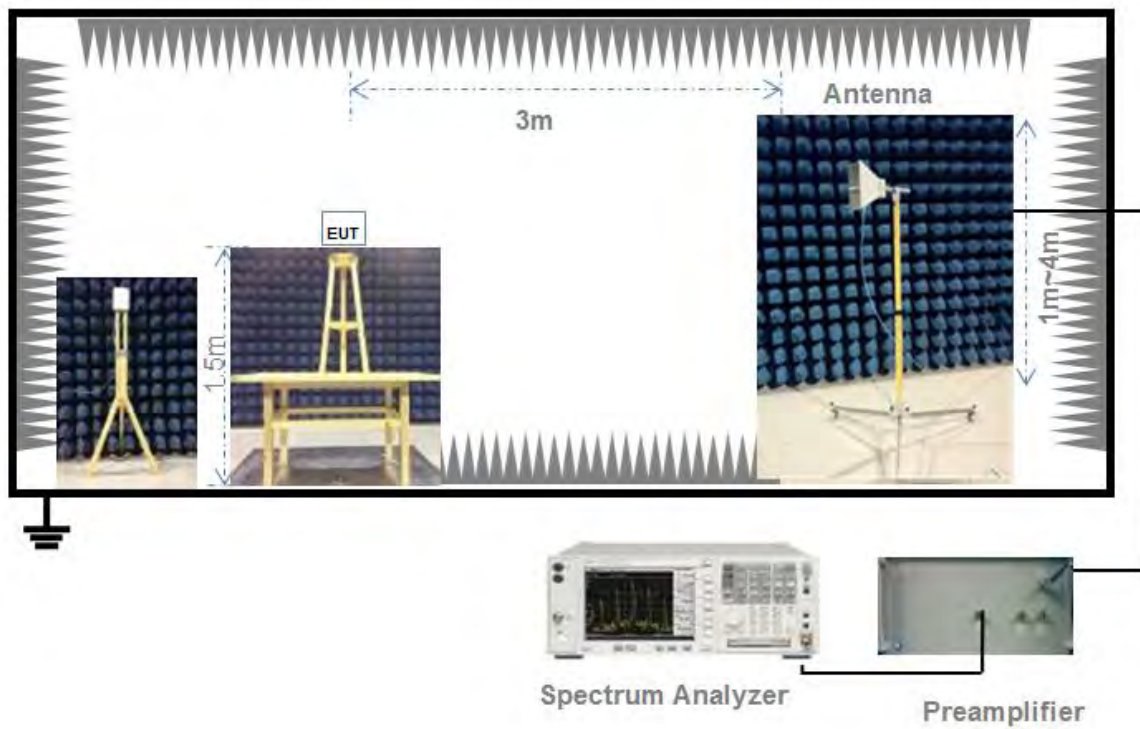
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

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

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

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 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 conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W

Note: Where "B" is the 26 dB emissions bandwidth in MHz.

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W

Note: Where "B" is the 99% emissions bandwidth in MHz.

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

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A

Note1: Where "B" is the 99% emissions bandwidth in MHz.

Note2: EIRP= maximum conducted output power+ Antenna Gain.

5.3.2 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

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.

5.3.4 Test Result

Please refer to ANNEX A.1.

5.4 Emission Bandwidth and 6 dB Bandwidth

5.4.1 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.

5.4.2 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.

5.4.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

5. Set RBW = 100 kHz, VBW = 300 kHz.
6. Detector = Peak. Trace mode = Max hold.
7. Allow the trace to stabilize.
8. 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.

5.4.4 Test Result

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

5.5 Power Spectral density (PSD)

5.5.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.5.2 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.

5.5.3 Test Procedure

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

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

5.5.4 Test Result

Please refer to ANNEX A.4.

5.6 Conducted Emission

5.6.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.6.2 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.

5.6.3 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.

5.6.4 Test Result

Please refer to ANNEX A.5.

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

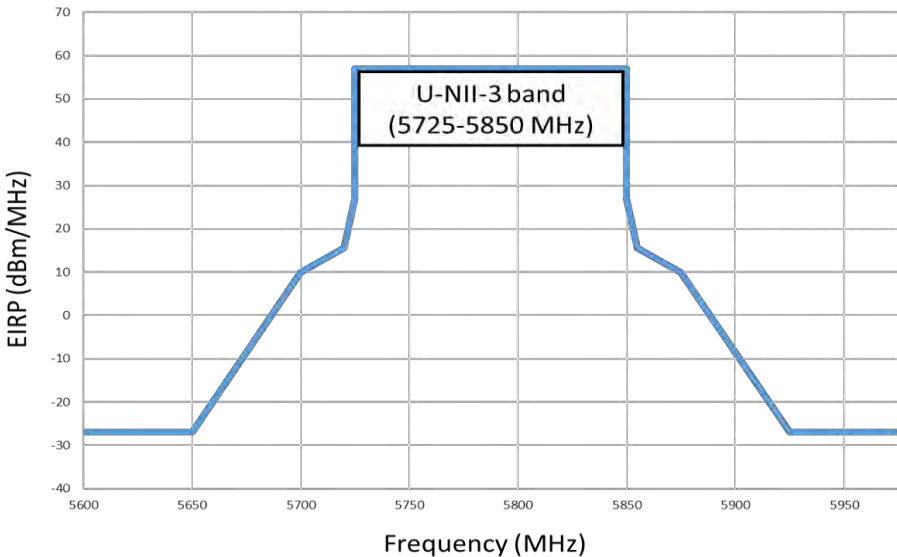
5.7.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

Note ²: The tighter limit applies at the band edge.

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

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

5.7.2 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.

5.7.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:
$$E = \text{EIRP} - 20\log D + 104.8$$
where:
E = electric field strength in dB μ V/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.
- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

g) Sweep time = auto.

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.7.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note 4: For IC standard, the U-NII-3 (5725 - 5850 MHz) 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	0.37	0.52	71.59%	1.45
11n (HT20)/11ac (VHT20)	5.07	5.27	96.15%	0.17
11n (HT40)/11ac (VHT40)	2.44	2.66	91.62%	0.38
11ac (VHT80)	1.14	1.35	84.44%	0.73

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.96	24.89	250	Pass
11a	CH44	14.33	27.10	250	Pass
11a	CH48	14.61	28.91	250	Pass
11n (HT20)	CH36	14.03	25.29	250	Pass
11n (HT20)	CH44	13.84	24.21	250	Pass
11n (HT20)	CH48	14.62	28.97	250	Pass
11n (HT40)	CH38	15.30	33.88	250	Pass
11n (HT40)	CH46	15.56	35.97	250	Pass
11ac (VHT20)	CH36	14.62	28.97	250	Pass
11ac (VHT20)	CH44	14.85	30.55	250	Pass
11ac (VHT20)	CH48	14.71	29.58	250	Pass
11ac (VHT40)	CH38	15.98	39.63	250	Pass
11ac (VHT40)	CH46	15.74	37.50	250	Pass
11ac (VHT80)	CH42	13.98	25.00	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	16.69	46.67	250	Pass
11a	CH60	16.91	49.09	250	Pass
11a	CH64	16.86	48.53	250	Pass
11n (HT20)	CH52	16.62	45.92	250	Pass
11n (HT20)	CH60	16.71	46.88	250	Pass
11n (HT20)	CH64	16.67	46.45	250	Pass
11n (HT40)	CH54	15.73	37.41	250	Pass
11n (HT40)	CH62	15.90	38.90	250	Pass
11ac (VHT20)	CH52	16.97	49.77	250	Pass
11ac (VHT20)	CH60	16.79	47.75	250	Pass
11ac (VHT20)	CH64	16.87	48.64	250	Pass
11ac (VHT40)	CH54	16.00	39.81	250	Pass
11ac (VHT40)	CH62	15.99	39.72	250	Pass
11ac (VHT80)	CH58	13.86	24.32	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	16.41	43.75	250	Pass
11a	CH116	16.89	48.87	250	Pass
11a	CH140	16.99	50.00	250	Pass
11n (HT20)	CH100	15.90	38.90	250	Pass
11n (HT20)	CH116	16.62	45.92	250	Pass
11n (HT20)	CH140	16.60	45.71	250	Pass
11n (HT40)	CH102	15.13	32.58	250	Pass
11n (HT40)	CH118	15.79	37.93	250	Pass
11n (HT40)	CH134	15.86	38.55	250	Pass
11ac (VHT20)	CH100	16.83	48.19	250	Pass
11ac (VHT20)	CH116	16.96	49.66	250	Pass
11ac (VHT20)	CH140	16.96	49.66	250	Pass
11ac (VHT40)	CH102	15.99	39.72	250	Pass
11ac (VHT40)	CH118	15.86	38.55	250	Pass
11ac (VHT40)	CH134	15.94	39.26	250	Pass
11ac (VHT80)	CH106	13.98	25.00	250	Pass
11ac (VHT80)	CH122	13.90	24.55	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.89	48.87	1000	Pass
11a	CH157	16.36	43.25	1000	Pass
11a	CH165	15.92	39.08	1000	Pass
11n (HT20)	CH149	16.60	45.71	1000	Pass
11n (HT20)	CH157	16.08	40.55	1000	Pass
11n (HT20)	CH165	15.57	36.06	1000	Pass
11n (HT40)	CH151	15.60	36.31	1000	Pass
11n (HT40)	CH159	14.99	31.55	1000	Pass
11ac (VHT20)	CH149	16.98	49.89	1000	Pass
11ac (VHT20)	CH157	16.89	48.87	1000	Pass
11ac (VHT20)	CH165	16.50	44.67	1000	Pass
11ac (VHT40)	CH151	15.93	39.17	1000	Pass
11ac (VHT40)	CH159	15.95	39.36	1000	Pass
11ac (VHT80)	CH155	13.88	24.43	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	19.86	96.83	163	Pass
11a	CH44	20.23	105.44	163	Pass
11a	CH48	20.51	112.46	163	Pass
11n (HT20)	CH36	19.93	98.40	174	Pass
11n (HT20)	CH44	19.74	94.19	174	Pass
11n (HT20)	CH48	20.52	112.72	174	Pass
11n (HT40)	CH38	21.20	131.83	200	Pass
11n (HT40)	CH46	21.46	139.96	200	Pass
11ac (VHT20)	CH36	20.52	112.72	175	Pass
11ac (VHT20)	CH44	20.75	118.85	175	Pass
11ac (HVT20)	CH48	20.61	115.08	175	Pass
11ac (VHT40)	CH38	21.88	154.17	200	Pass
11ac (VHT40)	CH46	21.64	145.88	200	Pass
11ac (VHT80)	CH42	19.88	97.27	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	22.59	181.55	820	Pass
11a	CH60	22.81	190.99	820	Pass
11a	CH64	22.76	188.80	821	Pass
11n (HT20)	CH52	22.52	178.65	874	Pass
11n (HT20)	CH60	22.61	182.39	874	Pass
11n (HT20)	CH64	22.57	180.72	874	Pass
11n (HT40)	CH54	21.63	145.55	1000	Pass
11n (HT40)	CH62	21.80	151.36	1000	Pass
11ac (VHT20)	CH52	22.87	193.64	876	Pass
11ac (VHT20)	CH60	22.69	185.78	876	Pass
11ac (HVT20)	CH64	22.77	189.23	877	Pass
11ac (VHT40)	CH54	21.90	154.88	1000	Pass
11ac (VHT40)	CH62	21.89	154.53	1000	Pass
11ac (VHT80)	CH58	19.76	94.62	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	22.31	170.22	819	Pass
11a	CH116	22.79	190.11	820	Pass
11a	CH140	22.89	194.54	820	Pass
11n (HT20)	CH100	21.80	151.36	873	Pass
11n (HT20)	CH116	22.52	178.65	874	Pass
11n (HT20)	CH140	22.50	177.83	874	Pass
11n (HT40)	CH102	21.03	126.77	1000	Pass
11n (HT40)	CH118	21.69	147.57	1000	Pass
11n (HT40)	CH134	21.76	149.97	1000	Pass
11ac (VHT20)	CH100	22.73	187.50	874	Pass
11ac (VHT20)	CH116	22.86	193.20	875	Pass
11ac (VHT20)	CH140	22.86	193.20	874	Pass
11ac (VHT40)	CH102	21.89	154.53	1000	Pass
11ac (VHT40)	CH118	21.76	149.97	1000	Pass
11ac (VHT40)	CH134	21.84	152.76	1000	Pass
11ac (VHT80)	CH106	19.88	97.27	1000	Pass
11ac (VHT80)	CH122	19.80	95.50	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	22.79	190.11	Pass
11a	CH157	22.26	168.27	Pass
11a	CH165	21.82	152.05	Pass
11n (HT20)	CH149	22.50	177.83	Pass
11n (HT20)	CH157	21.98	157.76	Pass
11n (HT20)	CH165	21.47	140.28	Pass
11n (HT40)	CH151	21.50	141.25	Pass
11n (HT40)	CH159	20.89	122.74	Pass
11ac (VHT20)	CH149	22.88	194.09	Pass
11ac (VHT20)	CH157	22.79	190.11	Pass
11ac (VHT20)	CH165	22.40	173.78	Pass
11ac (VHT40)	CH151	21.83	152.41	Pass
11ac (VHT40)	CH159	21.85	153.11	Pass
11ac (VHT80)	CH155	19.78	95.06	Pass

A.2 Emission Bandwidth & 99% Bandwidth

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: Test plots please refer to the document “Annex No.: BL-SZ2490059-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.62	16.35
11a	CH44	22.61	16.33
11a	CH48	22.95	16.34
11n (HT20)	CH36	22.13	17.44
11n (HT20)	CH44	22.20	17.42
11n (HT20)	CH48	23.15	17.43
11n (HT40)	CH38	45.38	36.13
11n (HT40)	CH46	44.39	36.16
11ac (VHT20)	CH36	22.90	17.48
11ac (VHT20)	CH44	24.50	17.47
11ac (VHT20)	CH48	23.40	17.48
11ac (VHT40)	CH38	44.38	36.00
11ac (VHT40)	CH46	45.32	35.97
11ac (VHT80)	CH42	139.90	76.86

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	25.20	16.37
11a	CH60	24.46	16.37
11a	CH64	24.59	16.37
11n (HT20)	CH52	23.23	17.45
11n (HT20)	CH60	23.50	17.45
11n (HT20)	CH64	23.63	17.44
11n (HT40)	CH54	47.63	36.16
11n (HT40)	CH62	48.78	36.22
11ac (VHT20)	CH52	21.94	17.48
11ac (VHT20)	CH60	23.30	17.49
11ac (VHT20)	CH64	23.89	17.49
11ac (VHT40)	CH54	49.56	36.04
11ac (VHT40)	CH62	48.38	36.03
11ac (VHT80)	CH58	158.50	76.95

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.56	16.34
11a	CH116	22.87	16.36
11a	CH140	26.82	16.36
11n (HT20)	CH100	22.72	17.42
11n (HT20)	CH116	23.06	17.45
11n (HT20)	CH140	23.07	17.44
11n (HT40)	CH102	44.33	36.12
11n (HT40)	CH118	48.09	36.20
11n (HT40)	CH134	47.42	36.21
11ac (VHT20)	CH100	21.49	17.44
11ac (VHT20)	CH116	21.93	17.46
11ac (VHT20)	CH140	22.61	17.43
11ac (VHT40)	CH102	47.47	35.95
11ac (VHT40)	CH118	42.97	35.93
11ac (VHT40)	CH134	43.70	35.95
11ac (VHT80)	CH106	158.40	76.86
11ac (VHT80)	CH122	158.80	77.03

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	39.39	19.39
11a	CH157	20.30	16.32
11a	CH165	21.36	16.33
11n (HT20)	CH149	21.35	17.41
11n (HT20)	CH157	23.49	17.43
11n (HT20)	CH165	20.95	17.40
11n (HT40)	CH151	43.73	36.15
11n (HT40)	CH159	43.36	36.12
11ac (VHT20)	CH149	22.58	17.46
11ac (VHT20)	CH157	22.46	17.46
11ac (VHT20)	CH165	21.24	17.46
11ac (VHT40)	CH151	43.95	35.98
11ac (VHT40)	CH159	43.53	35.94
11ac (VHT80)	CH155	140.80	76.80

A.3 6 dB Bandwidth

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: Test plots please refer to the document “Annex No.: BL-SZ2490059-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.30	500.00	Pass
11a	CH157	15.30	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n (HT20)	CH149	15.30	500.00	Pass
11n (HT20)	CH157	15.30	500.00	Pass
11n (HT20)	CH165	15.30	500.00	Pass
11n (HT40)	CH151	35.30	500.00	Pass
11n (HT40)	CH159	34.00	500.00	Pass
11ac (VHT20)	CH149	14.80	500.00	Pass
11ac (VHT20)	CH157	15.70	500.00	Pass
11ac (VHT20)	CH165	17.00	500.00	Pass
11ac (VHT40)	CH151	35.20	500.00	Pass
11ac (VHT40)	CH159	29.90	500.00	Pass
11ac (VHT80)	CH155	76.50	500.00	Pass

A.4 Power Spectral Density

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: Test plots please refer to the document “Annex No.: BL-SZ2490059-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	3.31	11.00	Pass
11a	CH44	3.87	11.00	Pass
11a	CH48	3.98	11.00	Pass
11n (HT20)	CH36	3.38	11.00	Pass
11n (HT20)	CH44	3.04	11.00	Pass
11n (HT20)	CH48	3.84	11.00	Pass
11n (HT40)	CH38	1.78	11.00	Pass
11n (HT40)	CH46	1.76	11.00	Pass
11ac (VHT20)	CH36	3.74	11.00	Pass
11ac (VHT20)	CH44	3.98	11.00	Pass
11ac (VHT20)	CH48	3.78	11.00	Pass
11ac (VHT40)	CH38	2.02	11.00	Pass
11ac (VHT40)	CH46	1.76	11.00	Pass
11ac (VHT80)	CH42	-4.15	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	6.32	11.00	Pass
11a	CH60	6.51	11.00	Pass
11a	CH64	6.48	11.00	Pass
11n (HT20)	CH52	6.06	11.00	Pass
11n (HT20)	CH60	5.93	11.00	Pass
11n (HT20)	CH64	6.22	11.00	Pass
11n (HT40)	CH54	2.06	11.00	Pass
11n (HT40)	CH62	2.57	11.00	Pass
11ac (VHT20)	CH52	6.12	11.00	Pass
11ac (VHT20)	CH60	5.99	11.00	Pass
11ac (VHT20)	CH64	6.10	11.00	Pass
11ac (VHT40)	CH54	1.78	11.00	Pass
11ac (VHT40)	CH62	2.12	11.00	Pass
11ac (VHT80)	CH58	-4.05	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	6.49	11.00	Pass
11a	CH116	6.86	11.00	Pass
11a	CH140	6.84	11.00	Pass
11n (HT20)	CH100	5.87	11.00	Pass
11n (HT20)	CH116	6.36	11.00	Pass
11n (HT20)	CH140	6.09	11.00	Pass
11n (HT40)	CH102	1.78	11.00	Pass
11n (HT40)	CH118	2.57	11.00	Pass
11n (HT40)	CH134	2.38	11.00	Pass
11ac (VHT20)	CH100	6.50	11.00	Pass
11ac (VHT20)	CH116	6.62	11.00	Pass
11ac (VHT20)	CH140	6.44	11.00	Pass
11ac (VHT40)	CH102	2.37	11.00	Pass
11ac (VHT40)	CH118	2.30	11.00	Pass
11ac (VHT40)	CH134	2.13	11.00	Pass
11ac (VHT80)	CH106	-3.55	11.00	Pass
11ac (VHT80)	CH122	-3.74	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	4.23	30.00	Pass
11a	CH157	3.09	30.00	Pass
11a	CH165	2.96	30.00	Pass
11n (HT20)	CH149	3.29	30.00	Pass
11n (HT20)	CH157	2.77	30.00	Pass
11n (HT20)	CH165	2.42	30.00	Pass
11n (HT40)	CH151	-0.77	30.00	Pass
11n (HT40)	CH159	-0.93	30.00	Pass
11ac (VHT20)	CH149	3.48	30.00	Pass
11ac (VHT20)	CH157	3.23	30.00	Pass
11ac (VHT20)	CH165	2.91	30.00	Pass
11ac (VHT40)	CH151	-0.93	30.00	Pass
11ac (VHT40)	CH159	-0.97	30.00	Pass
11ac (VHT80)	CH155	-6.92	30.00	Pass

E.I.R.P PSD

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	9.21	10.00	Pass
11a	CH44	9.77	10.00	Pass
11a	CH48	9.88	10.00	Pass
11n (HT20)	CH36	9.28	10.00	Pass
11n (HT20)	CH44	8.94	10.00	Pass
11n (HT20)	CH48	9.74	10.00	Pass
11n (HT40)	CH38	7.68	10.00	Pass
11n (HT40)	CH46	7.66	10.00	Pass
11ac (VHT20)	CH36	9.64	10.00	Pass
11ac (VHT20)	CH44	9.88	10.00	Pass
11ac (VHT20)	CH48	9.68	10.00	Pass
11ac (VHT40)	CH38	7.92	10.00	Pass
11ac (VHT40)	CH46	7.66	10.00	Pass
11ac (VHT80)	CH42	1.75	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	12.22	Pass
11a	CH60	12.41	Pass
11a	CH64	12.38	Pass
11n (HT20)	CH52	11.96	Pass
11n (HT20)	CH60	11.83	Pass
11n (HT20)	CH64	12.12	Pass
11n (HT40)	CH54	7.96	Pass
11n (HT40)	CH62	8.47	Pass
11ac (VHT20)	CH52	12.02	Pass
11ac (VHT20)	CH60	11.89	Pass
11ac (VHT20)	CH64	12.00	Pass
11ac (VHT40)	CH54	7.68	Pass
11ac (VHT40)	CH62	8.02	Pass
11ac (VHT80)	CH58	1.85	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	12.39	Pass
11a	CH116	12.76	Pass
11a	CH140	12.74	Pass
11n (HT20)	CH100	11.77	Pass
11n (HT20)	CH116	12.26	Pass
11n (HT20)	CH140	11.99	Pass
11n (HT40)	CH102	7.68	Pass
11n (HT40)	CH118	8.47	Pass
11n (HT40)	CH134	8.28	Pass
11ac (VHT20)	CH100	12.40	Pass
11ac (VHT20)	CH116	12.52	Pass
11ac (VHT20)	CH140	12.34	Pass
11ac (VHT40)	CH102	8.27	Pass
11ac (VHT40)	CH118	8.20	Pass
11ac (VHT40)	CH134	8.03	Pass
11ac (VHT80)	CH106	2.35	Pass
11ac (VHT80)	CH122	2.16	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	10.13	Pass
11a	CH157	8.99	Pass
11a	CH165	8.86	Pass
11n (HT20)	CH149	9.19	Pass
11n (HT20)	CH157	8.67	Pass
11n (HT20)	CH165	8.32	Pass
11n (HT40)	CH151	5.13	Pass
11n (HT40)	CH159	4.97	Pass
11ac (VHT20)	CH149	9.38	Pass
11ac (VHT20)	CH157	9.13	Pass
11ac (VHT20)	CH165	8.81	Pass
11ac (VHT40)	CH151	4.97	Pass
11ac (VHT40)	CH159	4.94	Pass
11ac (VHT80)	CH155	-1.02	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.

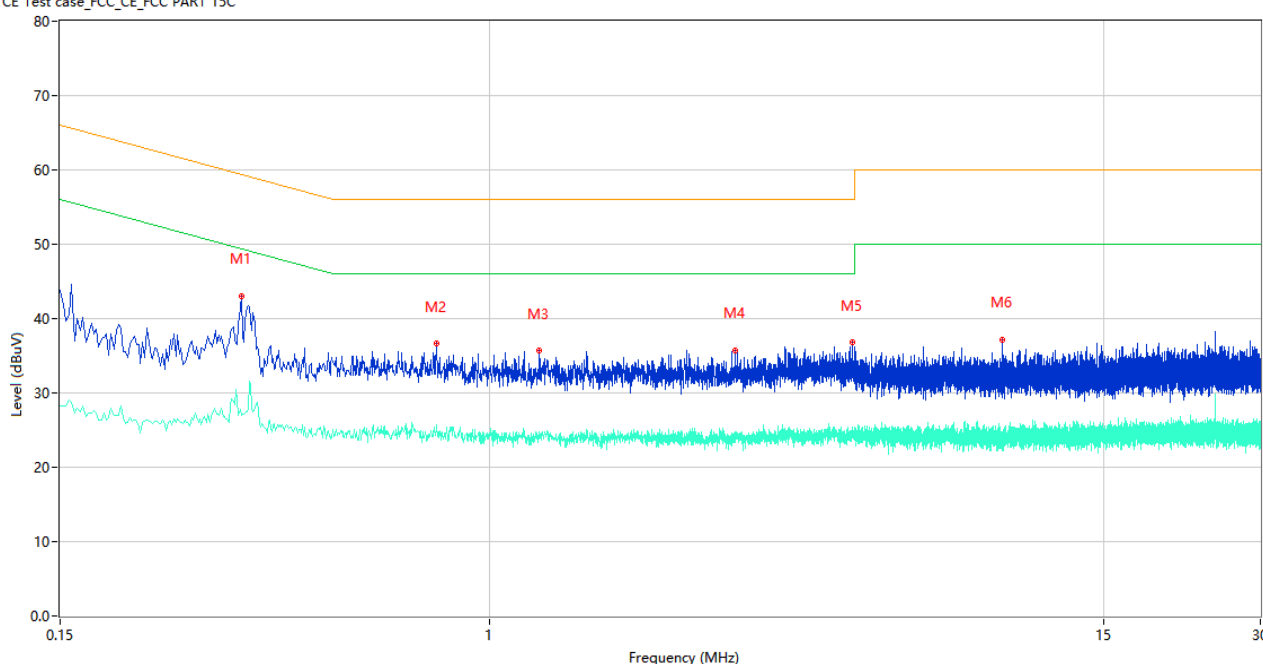
Note 3: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PCB Antenna

PHASE L

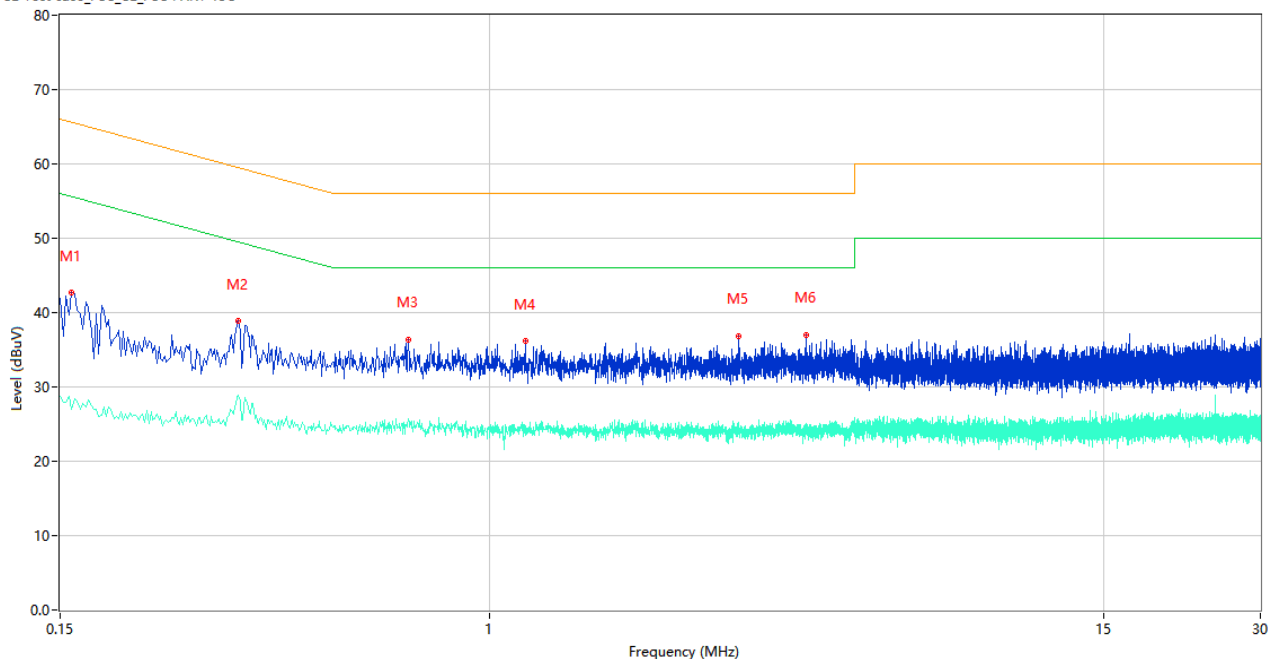
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.334	43.09	10.44	59.35	16.26	Peak	L	Pass
1**	0.334	26.94	10.44	49.35	22.41	AV	L	Pass
2	0.792	36.64	10.47	56.00	19.36	Peak	L	Pass
2**	0.792	25.66	10.47	46.00	20.34	AV	L	Pass
3	1.244	35.67	10.39	56.00	20.33	Peak	L	Pass
3**	1.244	24.74	10.39	46.00	21.26	AV	L	Pass
4	2.956	35.73	10.20	56.00	20.27	Peak	L	Pass
4**	2.956	24.76	10.20	46.00	21.24	AV	L	Pass
5	4.944	36.79	10.24	56.00	19.21	Peak	L	Pass
5**	4.944	24.14	10.24	46.00	21.86	AV	L	Pass
6	9.612	37.15	10.22	60.00	22.85	Peak	L	Pass
6**	9.612	24.78	10.22	50.00	25.22	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C

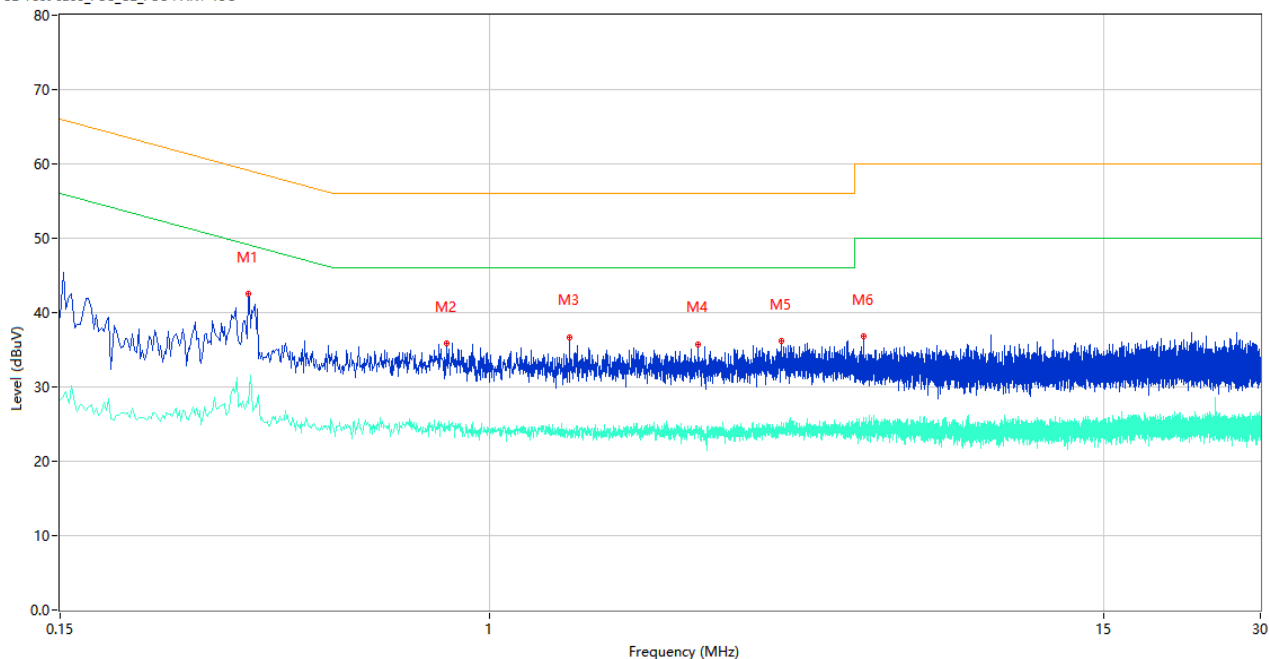


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	42.66	9.78	65.57	22.91	Peak	N	Pass
1**	0.158	26.94	9.78	55.57	28.63	AV	N	Pass
2	0.330	38.88	10.36	59.45	20.57	Peak	N	Pass
2**	0.330	28.97	10.36	49.45	20.48	AV	N	Pass
3	0.698	36.39	10.64	56.00	19.61	Peak	N	Pass
3**	0.698	25.68	10.64	46.00	20.32	AV	N	Pass
4	1.168	36.11	10.21	56.00	19.89	Peak	N	Pass
4**	1.168	24.72	10.21	46.00	21.28	AV	N	Pass
5	3.004	36.89	10.26	56.00	19.11	Peak	N	Pass
5**	3.004	24.93	10.26	46.00	21.07	AV	N	Pass
6	4.050	37.00	10.34	56.00	19.00	Peak	N	Pass
6**	4.050	25.11	10.34	46.00	20.89	AV	N	Pass

Rod Antenna

PHASE L

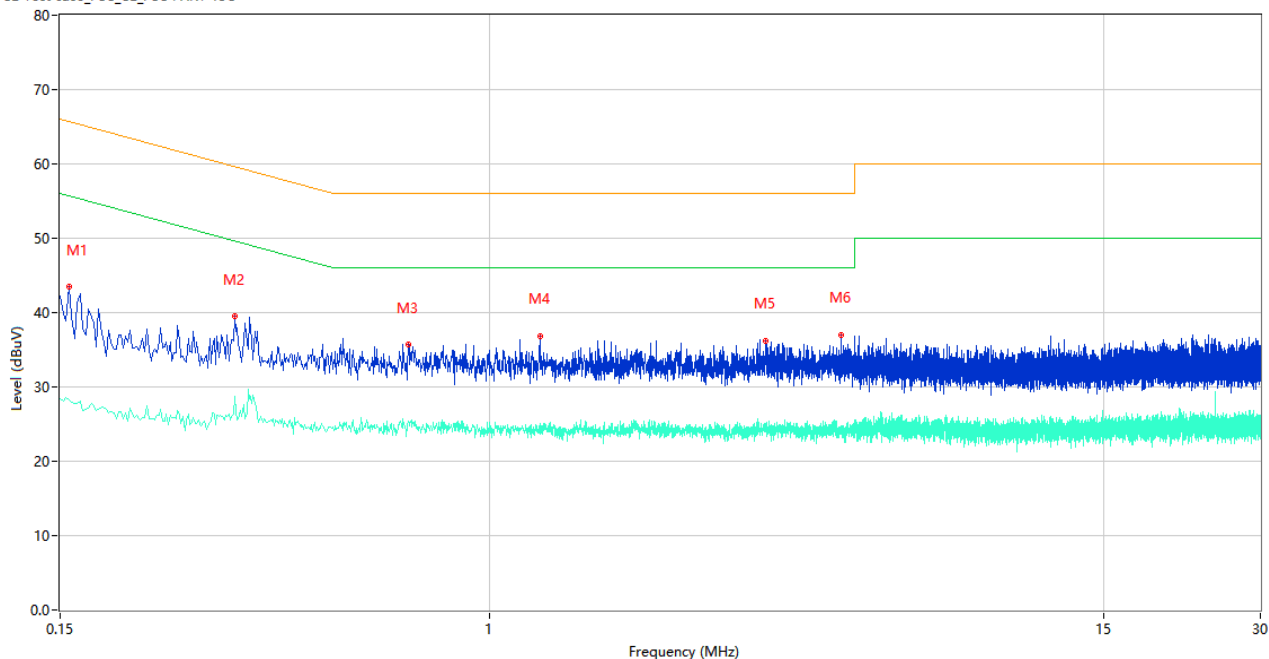
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.344	42.49	10.64	59.11	16.62	Peak	L	Pass
1**	0.344	27.74	10.64	49.11	21.37	AV	L	Pass
2	0.826	35.84	10.58	56.00	20.16	Peak	L	Pass
2**	0.826	24.37	10.58	46.00	21.63	AV	L	Pass
3	1.420	36.71	9.87	56.00	19.29	Peak	L	Pass
3**	1.420	23.99	9.87	46.00	22.01	AV	L	Pass
4	2.504	35.75	10.16	56.00	20.25	Peak	L	Pass
4**	2.504	24.32	10.16	46.00	21.68	AV	L	Pass
5	3.624	36.16	10.39	56.00	19.84	Peak	L	Pass
5**	3.624	25.22	10.39	46.00	20.78	AV	L	Pass
6	5.218	36.82	10.41	60.00	23.18	Peak	L	Pass
6**	5.218	24.67	10.41	50.00	25.33	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C

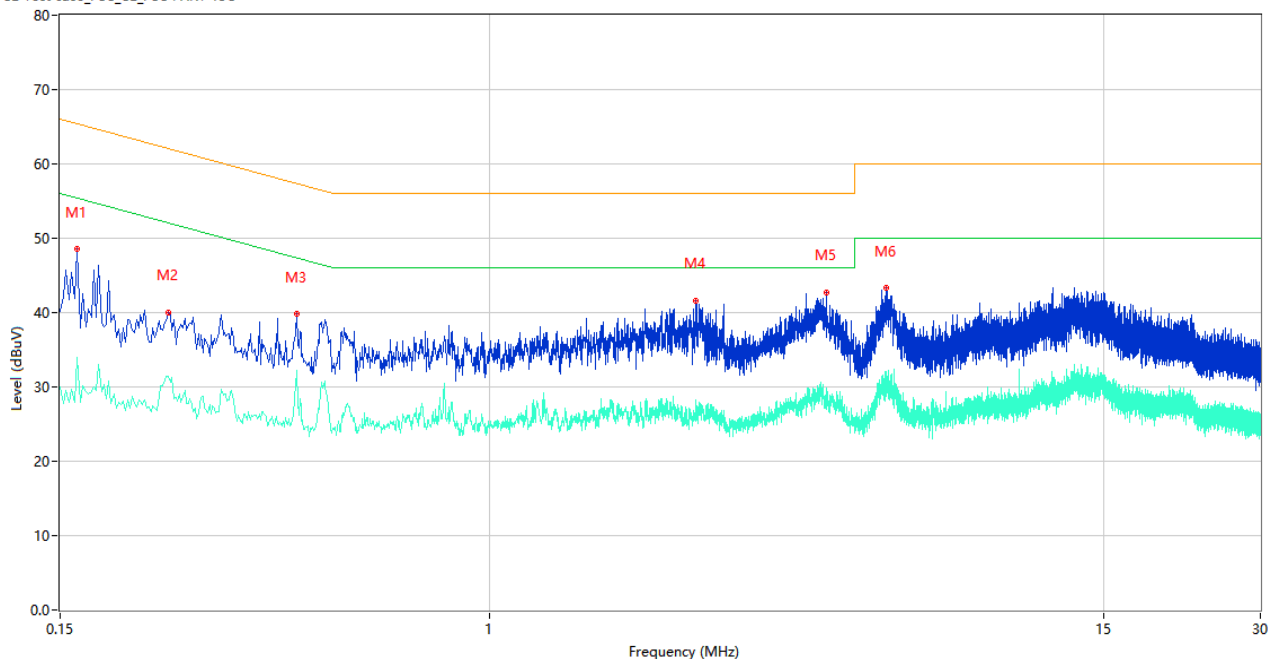


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	43.44	9.78	65.67	22.23	Peak	N	Pass
1**	0.156	28.30	9.78	55.67	27.37	AV	N	Pass
2	0.324	39.52	10.24	59.60	20.08	Peak	N	Pass
2**	0.324	28.76	10.24	49.60	20.84	AV	N	Pass
3	0.698	35.71	10.64	56.00	20.29	Peak	N	Pass
3**	0.698	25.42	10.64	46.00	20.58	AV	N	Pass
4	1.246	36.90	10.42	56.00	19.10	Peak	N	Pass
4**	1.246	24.61	10.42	46.00	21.39	AV	N	Pass
5	3.382	36.21	10.27	56.00	19.79	Peak	N	Pass
5**	3.382	25.03	10.27	46.00	20.97	AV	N	Pass
6	4.706	37.01	10.12	56.00	18.99	Peak	N	Pass
6**	4.706	24.51	10.12	46.00	21.49	AV	N	Pass

FPC Antenna

PHASE L

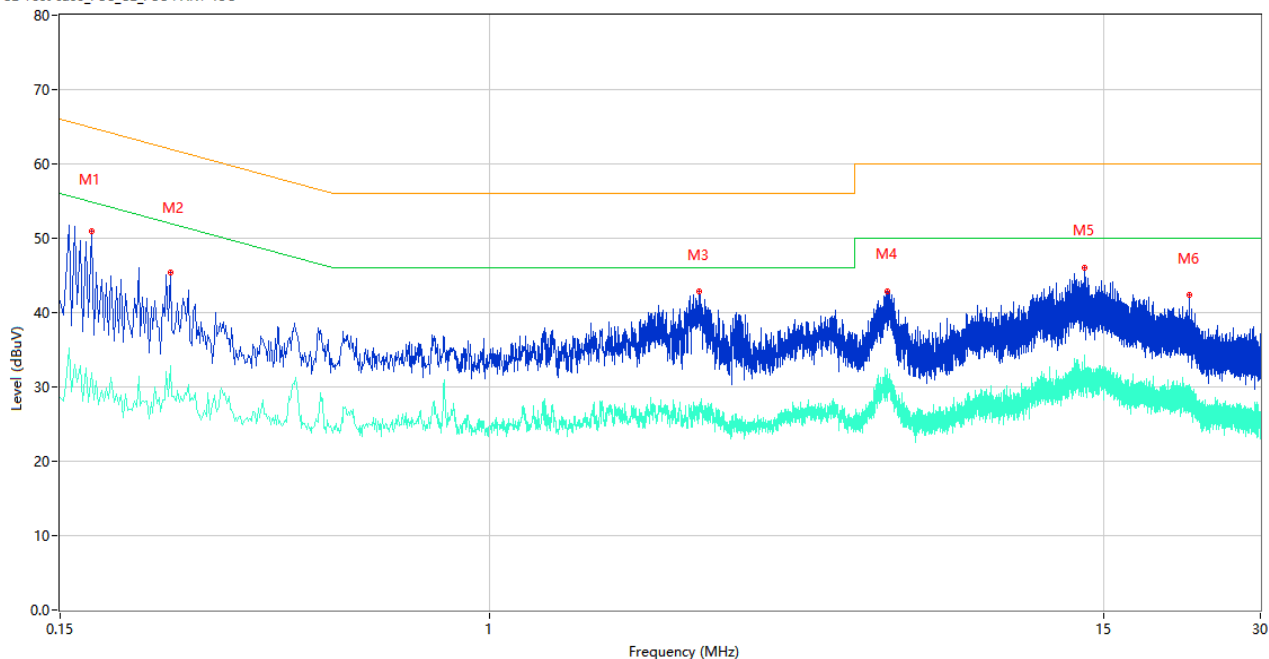
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	48.50	9.78	65.36	16.86	Peak	L	Pass
1**	0.162	34.02	9.78	55.36	21.34	AV	L	Pass
2	0.242	40.07	9.77	62.03	21.96	Peak	L	Pass
2**	0.242	31.36	9.77	52.03	20.67	AV	L	Pass
3	0.426	39.80	10.28	57.33	17.53	Peak	L	Pass
3**	0.426	32.23	10.28	47.33	15.10	AV	L	Pass
4	2.482	41.66	10.17	56.00	14.34	Peak	L	Pass
4**	2.482	26.74	10.17	46.00	19.26	AV	L	Pass
5	4.424	42.71	10.20	56.00	13.29	Peak	L	Pass
5**	4.424	29.92	10.20	46.00	16.08	AV	L	Pass
6	5.748	43.27	10.58	60.00	16.73	Peak	L	Pass
6**	5.748	30.15	10.58	50.00	19.85	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	0.172	50.90	9.78	64.86	13.96	Peak	N	Pass
1**	0.172	31.86	9.78	54.86	23.00	AV	N	Pass
2	0.244	45.33	9.77	61.96	16.63	Peak	N	Pass
2**	0.244	32.78	9.77	51.96	19.18	AV	N	Pass
3	2.524	42.78	10.13	56.00	13.22	Peak	N	Pass
3**	2.524	26.35	10.13	46.00	19.65	AV	N	Pass
4	5.792	42.93	10.21	60.00	17.07	Peak	N	Pass
4**	5.792	32.43	10.21	50.00	17.57	AV	N	Pass
5	13.820	46.10	10.56	60.00	13.90	Peak	N	Pass
5**	13.820	32.20	10.56	50.00	17.80	AV	N	Pass
6	21.948	42.33	10.89	60.00	17.67	Peak	N	Pass
6**	21.948	29.51	10.89	50.00	20.49	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.

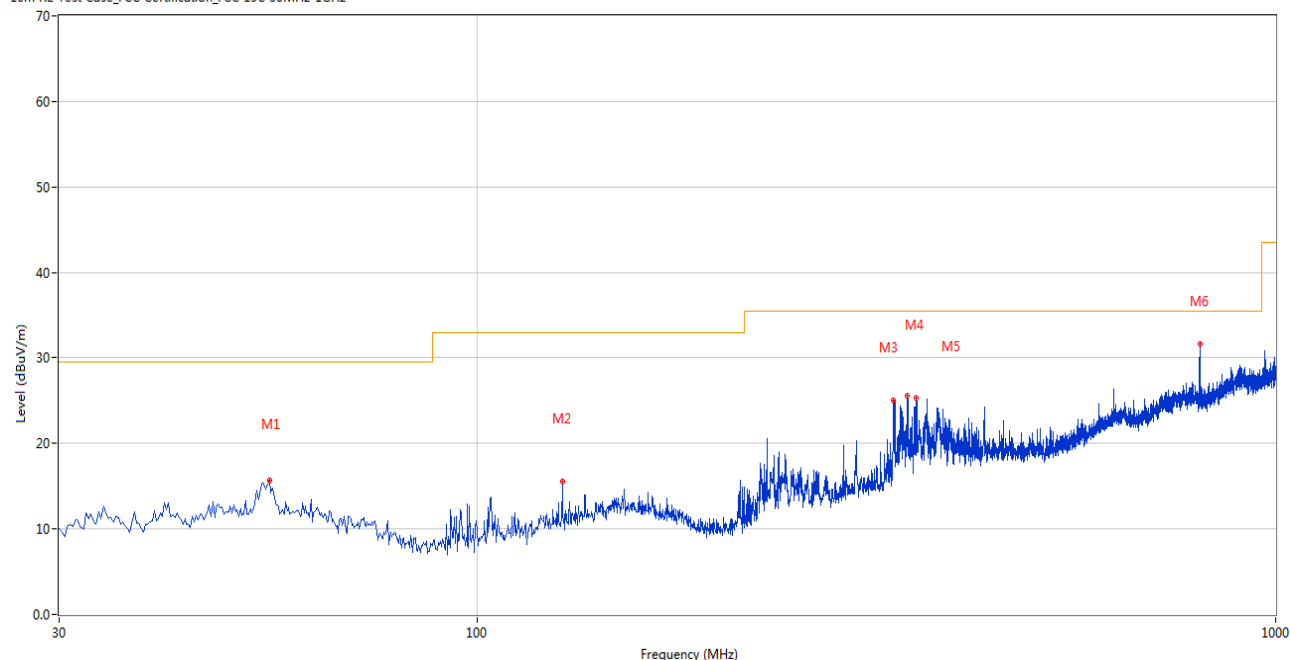
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

PCB Antenna

30 MHz to 1 GHz, ANT H

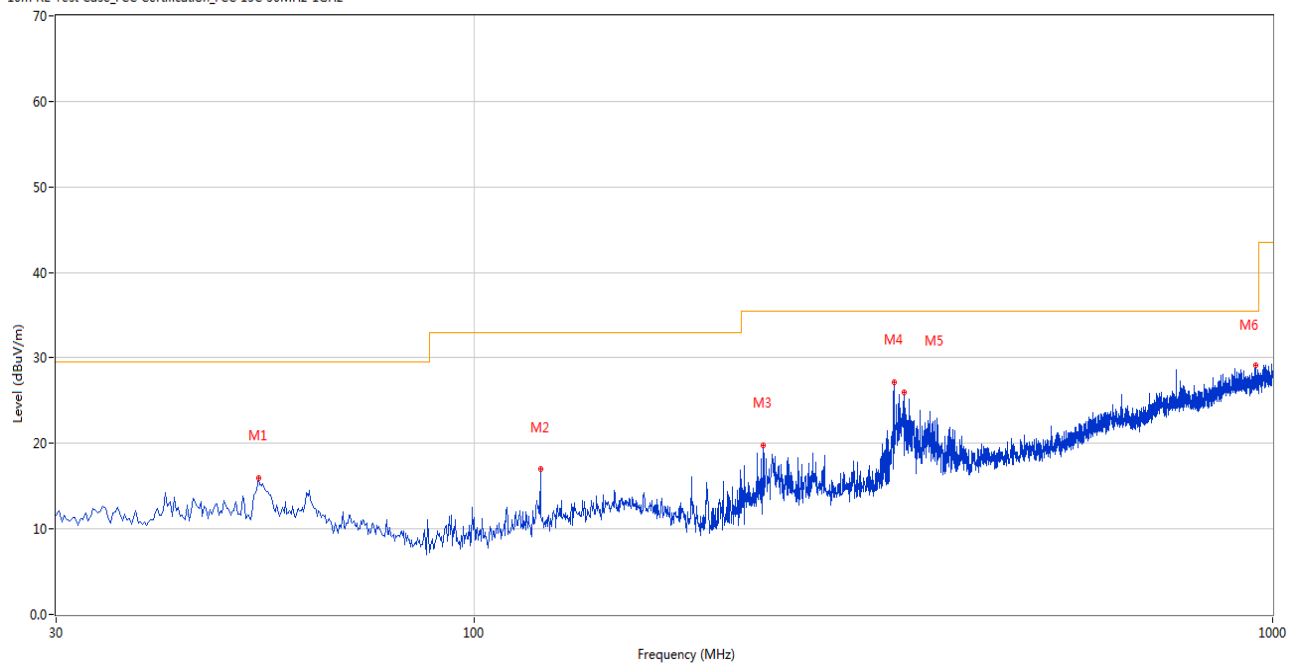
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.971	15.72	-26.13	29.5	13.78	Peak	344.00	100	Horizontal	Pass
2	127.946	14.99	-27.27	33.0	18.01	Peak	10.00	200	Horizontal	Pass
3	332.079	25.09	-24.06	35.5	10.41	Peak	104.00	200	Horizontal	Pass
4	346.141	25.51	-23.87	35.5	9.99	Peak	34.00	200	Horizontal	Pass
5	355.111	25.32	-23.72	35.5	10.18	Peak	145.00	200	Horizontal	Pass
6	803.382	31.64	-13.30	35.5	3.86	Peak	307.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz

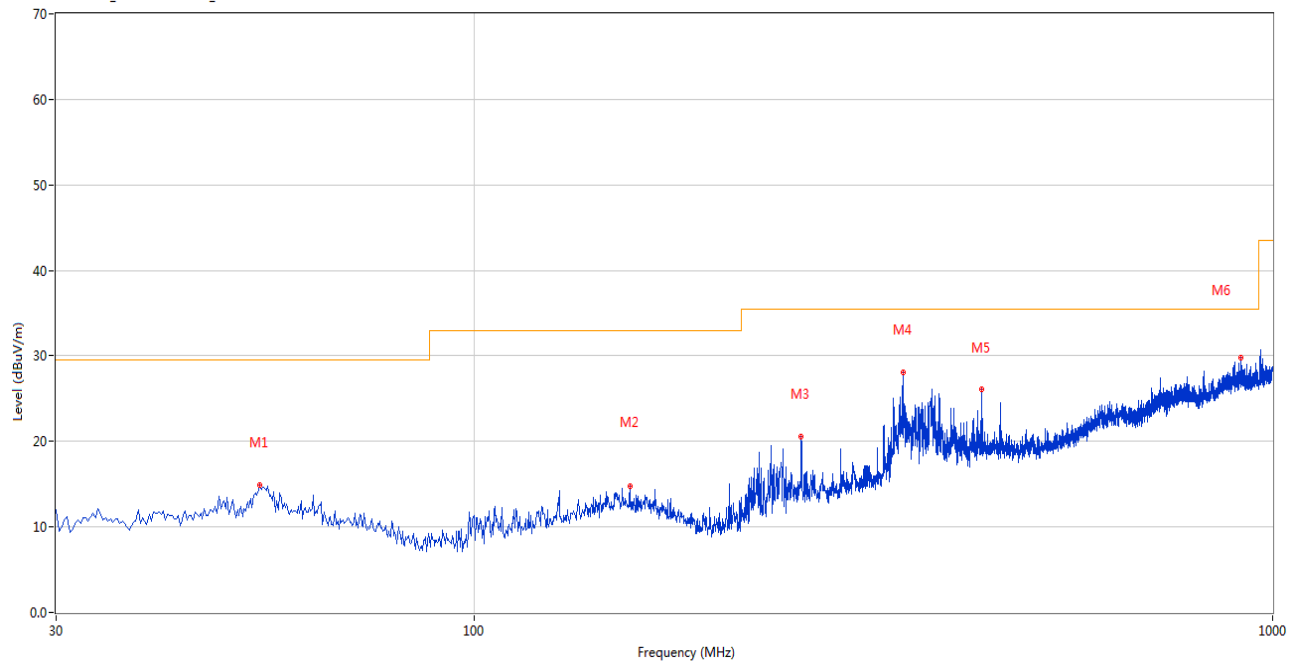


No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.759	15.92	-26.08	29.5	13.58	Peak	289.00	200	Vertical	Pass
2	121.157	16.94	-28.07	33.0	16.06	Peak	71.00	100	Vertical	Pass
3	230.497	19.72	-28.42	35.5	15.78	Peak	124.00	100	Vertical	Pass
4	335.716	27.18	-23.68	35.5	8.32	Peak	282.00	100	Vertical	Pass
5	345.899	26.03	-23.84	35.5	9.47	Peak	356.00	100	Vertical	Pass
6	951.512	29.12	-10.44	35.5	6.38	Peak	310.00	200	Vertical	Pass

Rod Antenna

30 MHz to 1 GHz, ANT H

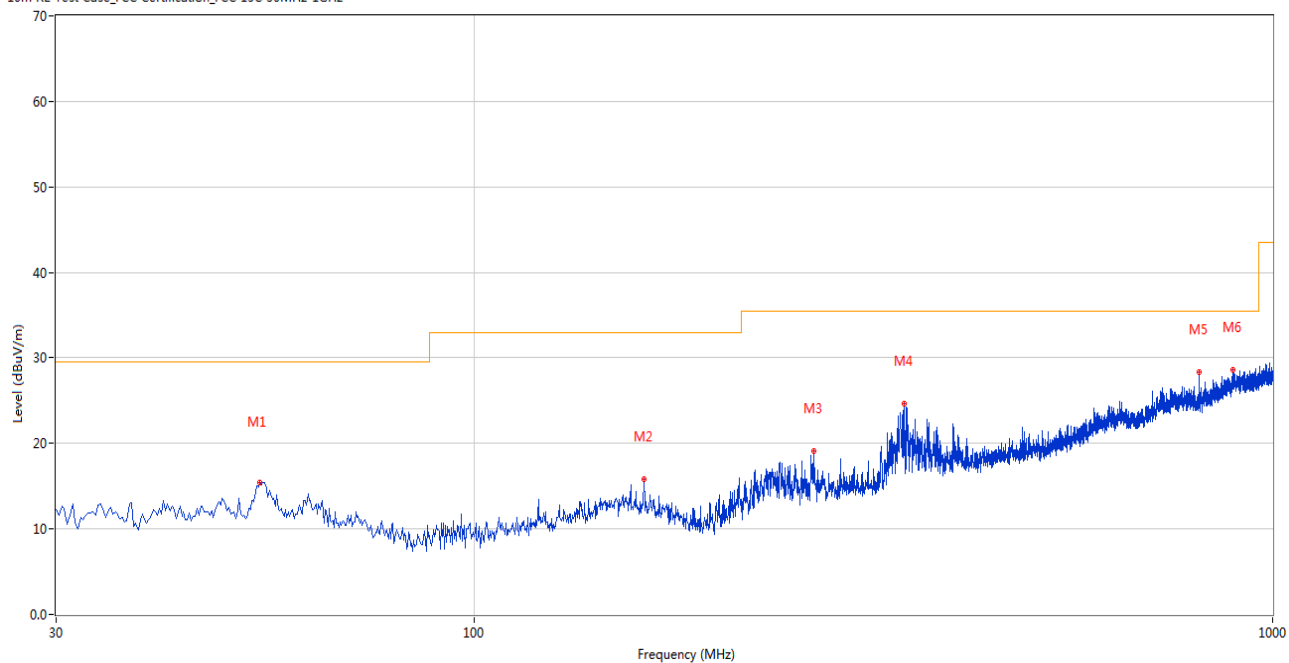
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.002	14.87	-26.08	29.5	14.63	Peak	281.00	100	Horizontal	Pass
2	156.796	14.74	-25.56	33.0	18.26	Peak	337.00	100	Horizontal	Pass
3	256.923	20.53	-26.49	35.5	14.97	Peak	128.00	200	Horizontal	Pass
4	344.444	28.07	-23.70	35.5	7.43	Peak	156.00	200	Horizontal	Pass
5	432.692	26.04	-20.99	35.5	9.46	Peak	128.00	200	Horizontal	Pass
6	912.964	29.82	-10.54	35.5	5.68	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz

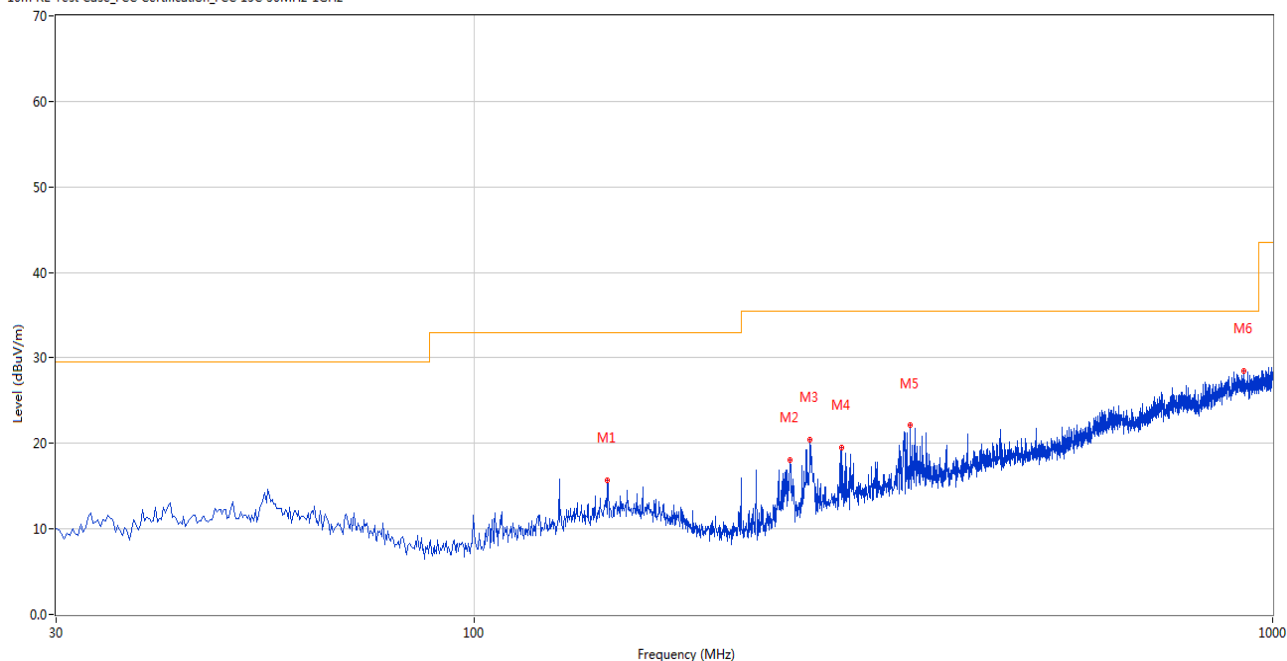


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.002	15.37	-26.08	29.5	14.13	Peak	211.00	200	Vertical	Pass
2	163.342	15.82	-25.72	33.0	17.18	Peak	3.00	100	Vertical	Pass
3	266.621	19.18	-26.20	35.5	16.32	Peak	105.00	100	Vertical	Pass
4	345.656	24.63	-23.82	35.5	10.87	Peak	0.00	100	Vertical	Pass
5	808.715	28.34	-13.21	35.5	7.16	Peak	174.00	200	Vertical	Pass
6	892.357	28.67	-10.62	35.5	6.83	Peak	0.00	200	Vertical	Pass

FPC Antenna

30 MHz to 1 GHz, ANT H

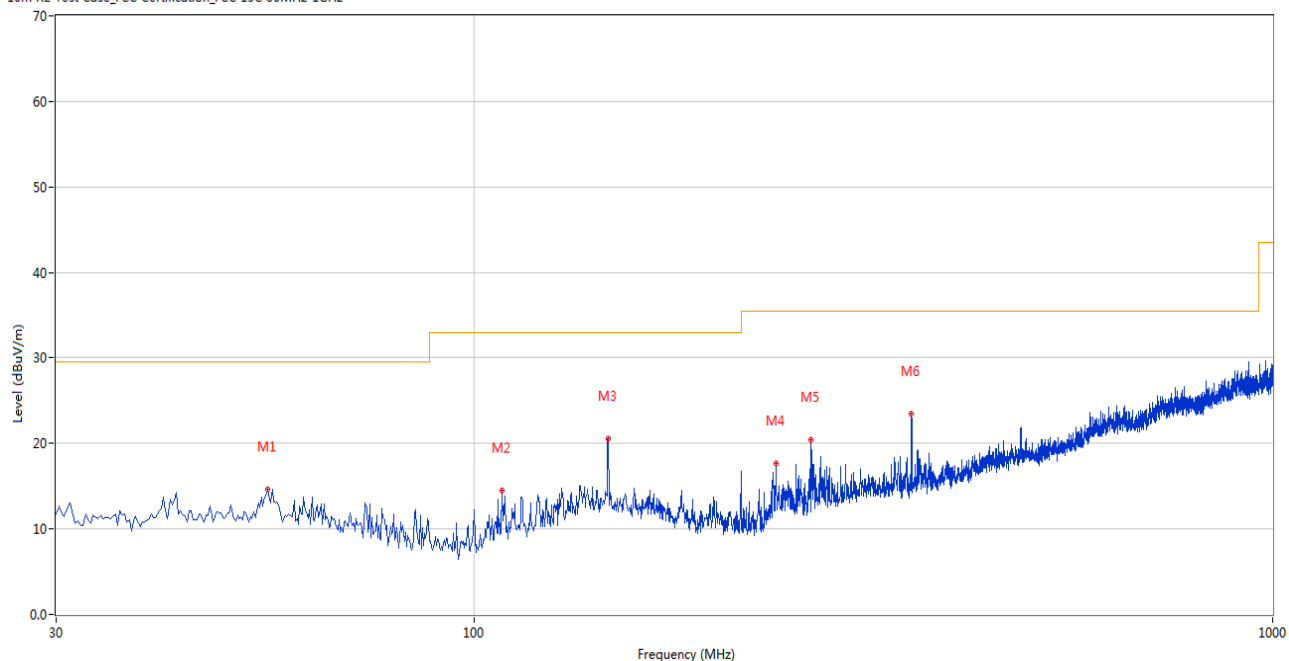
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	147.098	15.74	-25.56	33.0	17.26	Peak	2.00	200	Horizontal	Pass
2	248.923	18.12	-26.75	35.5	17.38	Peak	128.00	200	Horizontal	Pass
3	263.469	20.41	-26.38	35.5	15.09	Peak	318.00	200	Horizontal	Pass
4	288.925	19.57	-25.16	35.5	15.93	Peak	263.00	200	Horizontal	Pass
5	351.717	22.09	-23.97	35.5	13.41	Peak	307.00	200	Horizontal	Pass
6	919.025	28.43	-10.51	35.5	7.07	Peak	145.00	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	55.214	14.62	-26.15	29.5	14.88	Peak	107.00	100	Vertical	Pass
2	108.550	14.55	-29.13	33.0	18.45	Peak	329.00	100	Vertical	Pass
3	147.341	20.62	-25.58	33.0	12.38	Peak	69.00	100	Vertical	Pass
4	238.983	17.67	-27.23	35.5	17.83	Peak	360.00	200	Vertical	Pass
5	263.954	20.47	-26.37	35.5	15.03	Peak	360.00	200	Vertical	Pass
6	353.172	23.47	-23.77	35.5	12.03	Peak	258.00	100	Vertical	Pass

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: The spurious above 18G is noise only, do not show on the report.

Test Data

PCB Antenna

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	1440.271	42.40	74.0	31.60	Peak	43.00	100	Horizontal	Pass
1**	1440.271	35.91	54.0	18.09	AV	43.00	100	Horizontal	Pass
2	4149.859	48.64	74.0	25.36	Peak	214.00	100	Horizontal	Pass
2**	4149.859	36.54	54.0	17.46	AV	214.00	100	Horizontal	Pass
3	7370.627	49.70	74.0	24.30	Peak	142.00	200	Horizontal	Pass
3**	7370.627	44.60	54.0	9.40	AV	142.00	200	Horizontal	Pass
4	12464.759	54.57	74.0	19.43	Peak	315.00	300	Horizontal	Pass
4**	12464.759	42.03	54.0	11.97	AV	315.00	300	Horizontal	Pass
5	15877.721	54.87	74.0	19.13	Peak	57.00	100	Horizontal	Pass
5**	15877.721	44.31	54.0	9.69	AV	57.00	100	Horizontal	Pass
6	17421.119	54.16	74.0	19.84	Peak	115.00	300	Horizontal	Pass
6**	17421.119	46.89	54.0	7.11	AV	115.00	300	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	1336.248	44.36	74.0	29.64	Peak	85.00	100	Vertical	Pass
1**	1336.248	33.12	54.0	20.88	AV	85.00	100	Vertical	Pass
2	1436.891	40.50	74.0	33.50	Peak	264.00	100	Vertical	Pass
2**	1436.891	38.16	54.0	15.84	AV	264.00	100	Vertical	Pass
3	4148.087	48.59	26.3	-22.26	Peak	84.00	200	Vertical	Pass
3**	4148.087	38.17	14.9	-23.26	AV	84.00	200	Vertical	Pass
4	3802.740	48.51	74.0	25.49	Peak	121.00	300	Vertical	Pass
4**	3802.740	38.30	54.0	15.70	AV	121.00	300	Vertical	Pass
5	7603.102	50.93	74.0	23.07	Peak	332.00	300	Vertical	Pass
5**	7603.102	44.41	54.0	9.59	AV	332.00	300	Vertical	Pass
6	17421.325	55.28	74.0	18.72	Peak	229.00	200	Vertical	Pass
6**	17421.325	44.69	54.0	9.31	AV	229.00	200	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	1444.401	46.06	74.0	27.94	Peak	230.00	400	Horizontal	Pass
1**	1444.401	41.53	54.0	12.47	AV	230.00	400	Horizontal	Pass
2	4145.455	48.38	74.0	25.62	Peak	196.00	300	Horizontal	Pass
2**	4145.455	39.59	54.0	14.41	AV	196.00	300	Horizontal	Pass
3	7367.781	54.73	74.0	19.27	Peak	104.00	200	Horizontal	Pass
3**	7367.781	44.13	54.0	9.87	AV	104.00	200	Horizontal	Pass
4	12461.794	50.62	74.0	23.38	Peak	133.00	100	Horizontal	Pass
4**	12461.794	44.02	54.0	9.98	AV	133.00	100	Horizontal	Pass
5	15881.233	54.48	74.0	19.52	Peak	108.00	100	Horizontal	Pass
5**	15881.233	46.36	54.0	7.64	AV	108.00	100	Horizontal	Pass
6	17415.972	54.50	74.0	19.50	Peak	341.00	400	Horizontal	Pass
6**	17415.972	48.34	54.0	5.66	AV	341.00	400	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	1330.360	44.34	74.0	29.66	Peak	237.00	200	Vertical	Pass
1**	1330.360	35.55	54.0	18.45	AV	237.00	200	Vertical	Pass
2	1437.541	44.44	74.0	29.56	Peak	121.00	200	Vertical	Pass
2**	1437.541	35.36	54.0	18.64	AV	121.00	200	Vertical	Pass
3	4153.810	47.15	26.3	-20.82	Peak	300.00	200	Vertical	Pass
3**	4153.810	37.14	14.9	-22.23	AV	300.00	200	Vertical	Pass
4	3795.615	48.62	74.0	25.38	Peak	251.00	100	Vertical	Pass
4**	3795.615	39.74	54.0	14.26	AV	251.00	100	Vertical	Pass
5	7601.172	52.31	74.0	21.69	Peak	57.00	300	Vertical	Pass
5**	7601.172	44.30	54.0	9.70	AV	57.00	300	Vertical	Pass
6	17416.019	57.69	74.0	16.31	Peak	237.00	100	Vertical	Pass
6**	17416.019	48.23	54.0	5.77	AV	237.00	100	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	1441.880	43.61	74.0	30.39	Peak	5.00	400	Horizontal	Pass
1**	1441.880	39.19	54.0	14.81	AV	5.00	400	Horizontal	Pass
2	4149.297	44.37	74.0	29.63	Peak	72.00	100	Horizontal	Pass
2**	4149.297	36.42	54.0	17.58	AV	72.00	100	Horizontal	Pass
3	7369.277	51.21	74.0	22.79	Peak	339.00	200	Horizontal	Pass
3**	7369.277	45.89	54.0	8.11	AV	339.00	200	Horizontal	Pass
4	12465.563	56.03	74.0	17.97	Peak	116.00	100	Horizontal	Pass
4**	12465.563	44.60	54.0	9.40	AV	116.00	100	Horizontal	Pass
5	15883.211	56.11	74.0	17.89	Peak	211.00	300	Horizontal	Pass
5**	15883.211	44.29	54.0	9.71	AV	211.00	300	Horizontal	Pass
6	17419.362	55.17	74.0	18.83	Peak	349.00	200	Horizontal	Pass
6**	17419.362	49.77	54.0	4.23	AV	349.00	200	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	1330.247	45.03	74.0	28.97	Peak	117.00	300	Vertical	Pass
1**	1330.247	34.40	54.0	19.60	AV	117.00	300	Vertical	Pass
2	1443.073	43.83	74.0	30.17	Peak	218.00	200	Vertical	Pass
2**	1443.073	37.87	54.0	16.13	AV	218.00	200	Vertical	Pass
3	4153.168	49.53	26.3	-23.20	Peak	349.00	200	Vertical	Pass
3**	4153.168	41.12	14.9	-26.21	AV	349.00	200	Vertical	Pass
4	3799.710	45.32	74.0	28.68	Peak	350.00	100	Vertical	Pass
4**	3799.710	35.72	54.0	18.28	AV	350.00	100	Vertical	Pass
5	7601.701	50.95	74.0	23.05	Peak	224.00	400	Vertical	Pass
5**	7601.701	47.03	54.0	6.97	AV	224.00	400	Vertical	Pass
6	17416.433	57.24	74.0	16.76	Peak	172.00	300	Vertical	Pass
6**	17416.433	49.25	54.0	4.75	AV	172.00	300	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
1v	1510.433	38.79	74.0	35.21	Peak	68.00	200	Horizontal	Pass
1**	1510.433	30.68	54.0	23.32	AV	68.00	200	Horizontal	Pass
2	2350.265	43.23	74.0	30.77	Peak	37.00	300	Horizontal	Pass
2**	2350.265	33.61	54.0	20.39	AV	37.00	300	Horizontal	Pass
3	4204.489	45.63	74.0	28.37	Peak	57.00	200	Horizontal	Pass
3**	4204.489	35.54	54.0	18.46	AV	57.00	200	Horizontal	Pass
4	7435.140	53.84	74.0	20.16	Peak	334.00	100	Horizontal	Pass
4**	7435.140	43.83	54.0	10.17	AV	334.00	100	Horizontal	Pass
5	12514.216	53.96	74.0	20.04	Peak	280.00	400	Horizontal	Pass
5**	12514.216	45.43	54.0	8.57	AV	280.00	400	Horizontal	Pass
6	16147.021	54.33	74.0	19.67	Peak	192.00	400	Horizontal	Pass
6**	16147.021	43.46	54.0	10.54	AV	192.00	400	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	1334.094	46.93	74.0	27.07	Peak	254.00	200	Vertical	Pass
1**	1334.094	31.13	54.0	22.87	AV	254.00	200	Vertical	Pass
2	1439.737	40.69	74.0	33.31	Peak	123.00	200	Vertical	Pass
2**	1439.737	36.70	54.0	17.30	AV	123.00	200	Vertical	Pass
3	4151.833	47.29	26.3	-20.96	Peak	269.00	200	Vertical	Pass
3**	4151.833	36.26	14.9	-21.35	AV	269.00	200	Vertical	Pass
4	3798.450	45.85	74.0	28.15	Peak	151.00	100	Vertical	Pass
4**	3798.450	38.73	54.0	15.27	AV	151.00	100	Vertical	Pass
5	7601.806	50.86	74.0	23.14	Peak	338.00	400	Vertical	Pass
5**	7601.806	47.33	54.0	6.67	AV	338.00	400	Vertical	Pass
6	17422.478	55.67	74.0	18.33	Peak	98.00	100	Vertical	Pass
6**	17422.478	44.63	54.0	9.37	AV	98.00	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	1439.277	45.95	74.0	28.05	Peak	280.00	200	Horizontal	Pass
1**	1439.277	36.03	54.0	17.97	AV	280.00	200	Horizontal	Pass
2	4145.579	49.89	74.0	24.11	Peak	228.00	100	Horizontal	Pass
2**	4145.579	37.81	54.0	16.19	AV	228.00	100	Horizontal	Pass
3	7368.300	52.03	74.0	21.97	Peak	158.00	200	Horizontal	Pass
3**	7368.300	43.53	54.0	10.47	AV	158.00	200	Horizontal	Pass
4	12463.260	51.14	74.0	22.86	Peak	178.00	200	Horizontal	Pass
4**	12463.260	44.89	54.0	9.11	AV	178.00	200	Horizontal	Pass
5	15880.031	56.06	74.0	17.94	Peak	292.00	300	Horizontal	Pass
5**	15880.031	46.38	54.0	7.62	AV	292.00	300	Horizontal	Pass
6	17420.451	55.41	74.0	18.59	Peak	127.00	300	Horizontal	Pass
6**	17420.451	47.27	54.0	6.73	AV	127.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.837	42.36	74.0	31.64	Peak	331.00	300	Vertical	Pass
1**	1332.837	33.73	54.0	20.27	AV	331.00	300	Vertical	Pass
2	1441.453	39.54	74.0	34.46	Peak	67.00	400	Vertical	Pass
2**	1441.453	34.03	54.0	19.97	AV	67.00	400	Vertical	Pass
3	4149.179	49.84	26.3	-23.51	Peak	117.00	200	Vertical	Pass
3**	4149.179	40.86	14.9	-25.95	AV	117.00	200	Vertical	Pass
4	3801.910	47.29	74.0	26.71	Peak	282.00	100	Vertical	Pass
4**	3801.910	34.53	54.0	19.47	AV	282.00	100	Vertical	Pass
5	7604.870	52.28	74.0	21.72	Peak	4.00	300	Vertical	Pass
5**	7604.870	46.28	54.0	7.72	AV	4.00	300	Vertical	Pass
6	17423.072	57.35	74.0	16.65	Peak	356.00	200	Vertical	Pass
6**	17423.072	48.32	54.0	5.68	AV	356.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.524	42.42	74.0	31.58	Peak	264.00	200	Horizontal	Pass
1**	1438.524	41.31	54.0	12.69	AV	264.00	200	Horizontal	Pass
2	4144.278	47.34	74.0	26.66	Peak	150.00	100	Horizontal	Pass
2**	4144.278	38.95	54.0	15.05	AV	150.00	100	Horizontal	Pass
3	7371.727	55.39	74.0	18.61	Peak	256.00	200	Horizontal	Pass
3**	7371.727	43.33	54.0	10.67	AV	256.00	200	Horizontal	Pass
4	12462.025	51.34	74.0	22.66	Peak	93.00	200	Horizontal	Pass
4**	12462.025	46.32	54.0	7.68	AV	93.00	200	Horizontal	Pass
5	15882.784	56.34	74.0	17.66	Peak	243.00	200	Horizontal	Pass
5**	15882.784	43.85	54.0	10.15	AV	243.00	200	Horizontal	Pass
6	17421.463	56.33	74.0	17.67	Peak	146.00	400	Horizontal	Pass
6**	17421.463	45.86	54.0	8.14	AV	146.00	400	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	1330.117	45.73	74.0	28.27	Peak	143.00	300	Vertical	Pass
1**	1330.117	36.43	54.0	17.57	AV	143.00	300	Vertical	Pass
2	1440.387	43.30	74.0	30.70	Peak	41.00	100	Vertical	Pass
2**	1440.387	35.68	54.0	18.32	AV	41.00	100	Vertical	Pass
3	4151.651	48.33	26.3	-22.00	Peak	134.00	200	Vertical	Pass
3**	4151.651	37.08	14.9	-22.17	AV	134.00	200	Vertical	Pass
4	3797.639	47.91	74.0	26.09	Peak	142.00	400	Vertical	Pass
4**	3797.639	37.53	54.0	16.47	AV	142.00	400	Vertical	Pass
5	7597.882	55.21	74.0	18.79	Peak	234.00	300	Vertical	Pass
5**	7597.882	45.64	54.0	8.36	AV	234.00	300	Vertical	Pass
6	17420.754	57.11	74.0	16.89	Peak	319.00	400	Vertical	Pass
6**	17420.754	45.50	54.0	8.50	AV	319.00	400	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
1v	1511.458	40.68	74.0	33.32	Peak	237.00	300	Horizontal	Pass
1**	1511.458	27.25	54.0	26.75	AV	237.00	300	Horizontal	Pass
2	2350.665	43.28	74.0	30.72	Peak	75.00	200	Horizontal	Pass
2**	2350.665	33.99	54.0	20.01	AV	75.00	200	Horizontal	Pass
3	4206.023	44.43	74.0	29.57	Peak	131.00	200	Horizontal	Pass
3**	4206.023	38.60	54.0	15.40	AV	131.00	200	Horizontal	Pass
4	7440.687	52.02	74.0	21.98	Peak	18.00	300	Horizontal	Pass
4**	7440.687	40.97	54.0	13.03	AV	18.00	300	Horizontal	Pass
5	12519.280	51.41	74.0	22.59	Peak	357.00	200	Horizontal	Pass
5**	12519.280	44.54	54.0	9.46	AV	357.00	200	Horizontal	Pass
6	16146.190	51.14	74.0	22.86	Peak	209.00	200	Horizontal	Pass
6**	16146.190	46.35	54.0	7.65	AV	209.00	200	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	1336.120	46.09	74.0	27.91	Peak	209.00	100	Vertical	Pass
1**	1336.120	33.66	54.0	20.34	AV	209.00	100	Vertical	Pass
2	1441.908	43.89	74.0	30.11	Peak	111.00	200	Vertical	Pass
2**	1441.908	34.94	54.0	19.06	AV	111.00	200	Vertical	Pass
3	4149.825	46.25	26.3	-19.92	Peak	157.00	200	Vertical	Pass
3**	4149.825	40.16	14.9	-25.25	AV	157.00	200	Vertical	Pass
4	3800.081	48.46	74.0	25.54	Peak	95.00	200	Vertical	Pass
4**	3800.081	34.89	54.0	19.11	AV	95.00	200	Vertical	Pass
5	7597.237	54.11	74.0	19.89	Peak	64.00	100	Vertical	Pass
5**	7597.237	44.90	54.0	9.10	AV	64.00	100	Vertical	Pass
6	17421.629	57.76	74.0	16.24	Peak	333.00	100	Vertical	Pass
6**	17421.629	44.61	54.0	9.39	AV	333.00	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	1438.482	43.45	74.0	30.55	Peak	351.00	300	Horizontal	Pass
1**	1438.482	41.53	54.0	12.47	AV	351.00	300	Horizontal	Pass
2	4148.959	48.82	74.0	25.18	Peak	22.00	100	Horizontal	Pass
2**	4148.959	39.89	54.0	14.11	AV	22.00	100	Horizontal	Pass
3	7368.523	50.96	74.0	23.04	Peak	33.00	200	Horizontal	Pass
3**	7368.523	46.07	54.0	7.93	AV	33.00	200	Horizontal	Pass
4	12467.034	54.16	74.0	19.84	Peak	188.00	100	Horizontal	Pass
4**	12467.034	47.39	54.0	6.61	AV	188.00	100	Horizontal	Pass
5	15877.406	52.98	74.0	21.02	Peak	22.00	100	Horizontal	Pass
5**	15877.406	43.26	54.0	10.74	AV	22.00	100	Horizontal	Pass
6	17416.910	56.28	74.0	17.72	Peak	284.00	400	Horizontal	Pass
6**	17416.910	45.94	54.0	8.06	AV	284.00	400	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	1336.302	44.08	74.0	29.92	Peak	253.00	400	Vertical	Pass
1**	1336.302	34.38	54.0	19.62	AV	253.00	400	Vertical	Pass
2	1443.939	42.71	74.0	31.29	Peak	166.00	400	Vertical	Pass
2**	1443.939	35.59	54.0	18.41	AV	166.00	400	Vertical	Pass
3	4152.948	49.42	26.3	-23.09	Peak	54.00	200	Vertical	Pass
3**	4152.948	41.97	14.9	-27.06	AV	54.00	200	Vertical	Pass
4	3802.473	43.41	74.0	30.59	Peak	53.00	200	Vertical	Pass
4**	3802.473	34.95	54.0	19.05	AV	53.00	200	Vertical	Pass
5	7604.247	53.41	74.0	20.59	Peak	26.00	400	Vertical	Pass
5**	7604.247	42.36	54.0	11.64	AV	26.00	400	Vertical	Pass
6	17420.355	58.69	74.0	15.31	Peak	302.00	100	Vertical	Pass
6**	17420.355	45.75	54.0	8.25	AV	302.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.856	42.01	74.0	31.99	Peak	186.00	100	Horizontal	Pass
1**	1441.856	37.81	54.0	16.19	AV	186.00	100	Horizontal	Pass
2	4149.625	45.59	74.0	28.41	Peak	303.00	100	Horizontal	Pass
2**	4149.625	34.85	54.0	19.15	AV	303.00	100	Horizontal	Pass
3	7371.059	53.93	74.0	20.07	Peak	261.00	200	Horizontal	Pass
3**	7371.059	42.77	54.0	11.23	AV	261.00	200	Horizontal	Pass
4	12464.998	53.89	74.0	20.11	Peak	17.00	400	Horizontal	Pass
4**	12464.998	44.48	54.0	9.52	AV	17.00	400	Horizontal	Pass
5	15879.501	56.44	74.0	17.56	Peak	119.00	100	Horizontal	Pass
5**	15879.501	45.64	54.0	8.36	AV	119.00	100	Horizontal	Pass
6	17420.527	53.48	74.0	20.52	Peak	136.00	200	Horizontal	Pass
6**	17420.527	46.84	54.0	7.16	AV	136.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.890	45.51	74.0	28.49	Peak	27.00	300	Vertical	Pass
1**	1336.890	34.22	54.0	19.78	AV	27.00	300	Vertical	Pass
2	1438.243	44.10	74.0	29.90	Peak	116.00	100	Vertical	Pass
2**	1438.243	35.12	54.0	18.88	AV	116.00	100	Vertical	Pass
3	4152.636	48.99	26.3	-22.66	Peak	101.00	200	Vertical	Pass
3**	4152.636	41.58	14.9	-26.67	AV	101.00	200	Vertical	Pass
4	3797.604	47.25	74.0	26.75	Peak	180.00	100	Vertical	Pass
4**	3797.604	35.28	54.0	18.72	AV	180.00	100	Vertical	Pass
5	7600.151	55.57	74.0	18.43	Peak	346.00	300	Vertical	Pass
5**	7600.151	44.00	54.0	10.00	AV	346.00	300	Vertical	Pass
6	17419.095	58.18	74.0	15.82	Peak	8.00	200	Vertical	Pass
6**	17419.095	44.67	54.0	9.33	AV	8.00	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	1443.760	43.26	74.0	30.74	Peak	93.00	300	Horizontal	Pass
1**	1443.760	41.55	54.0	12.45	AV	93.00	300	Horizontal	Pass
2	4150.446	46.12	74.0	27.88	Peak	91.00	300	Horizontal	Pass
2**	4150.446	40.07	54.0	13.93	AV	91.00	300	Horizontal	Pass
3	7367.154	50.16	74.0	23.84	Peak	283.00	200	Horizontal	Pass
3**	7367.154	43.98	54.0	10.02	AV	283.00	200	Horizontal	Pass
4	12461.593	54.65	74.0	19.35	Peak	2.00	300	Horizontal	Pass
4**	12461.593	45.26	54.0	8.74	AV	2.00	300	Horizontal	Pass
5	15881.545	55.19	74.0	18.81	Peak	57.00	400	Horizontal	Pass
5**	15881.545	47.08	54.0	6.92	AV	57.00	400	Horizontal	Pass
6	17423.303	53.39	74.0	20.61	Peak	14.00	200	Horizontal	Pass
6**	17423.303	50.28	54.0	3.72	AV	14.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1337.206	41.93	74.0	32.07	Peak	302.00	300	Vertical	Pass
1**	1337.206	31.78	54.0	22.22	AV	302.00	300	Vertical	Pass
2	1436.783	40.97	74.0	33.03	Peak	114.00	300	Vertical	Pass
2**	1436.783	35.05	54.0	18.95	AV	114.00	300	Vertical	Pass
3	4147.835	47.35	26.3	-21.02	Peak	223.00	200	Vertical	Pass
3**	4147.835	36.34	14.9	-21.43	AV	223.00	200	Vertical	Pass
4	3796.153	48.20	74.0	25.80	Peak	241.00	200	Vertical	Pass
4**	3796.153	35.59	54.0	18.41	AV	241.00	200	Vertical	Pass
5	7600.761	53.79	74.0	20.21	Peak	77.00	300	Vertical	Pass
5**	7600.761	45.99	54.0	8.01	AV	77.00	300	Vertical	Pass
6	17416.414	56.05	74.0	17.95	Peak	20.00	400	Vertical	Pass
6**	17416.414	46.98	54.0	7.02	AV	20.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.537	46.79	74.0	27.21	Peak	241.00	400	Horizontal	Pass
1**	1440.537	36.78	54.0	17.22	AV	241.00	400	Horizontal	Pass
2	4152.084	49.37	74.0	24.63	Peak	239.00	400	Horizontal	Pass
2**	4152.084	36.85	54.0	17.15	AV	239.00	400	Horizontal	Pass
3	7367.046	50.45	74.0	23.55	Peak	317.00	200	Horizontal	Pass
3**	7367.046	43.28	54.0	10.72	AV	317.00	200	Horizontal	Pass
4	12466.553	51.77	74.0	22.23	Peak	219.00	100	Horizontal	Pass
4**	12466.553	46.31	54.0	7.69	AV	219.00	100	Horizontal	Pass
5	15882.451	51.91	74.0	22.09	Peak	324.00	100	Horizontal	Pass
5**	15882.451	43.15	54.0	10.85	AV	324.00	100	Horizontal	Pass
6	17416.910	53.26	74.0	20.74	Peak	66.00	200	Horizontal	Pass
6**	17416.910	47.70	54.0	6.30	AV	66.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.566	42.79	74.0	31.21	Peak	117.00	200	Vertical	Pass
1**	1333.566	36.52	54.0	17.48	AV	117.00	200	Vertical	Pass
2	1437.495	44.21	74.0	29.79	Peak	194.00	300	Vertical	Pass
2**	1437.495	34.69	54.0	19.31	AV	194.00	300	Vertical	Pass
3	4149.010	46.91	26.3	-20.58	Peak	261.00	200	Vertical	Pass
3**	4149.010	39.56	14.9	-24.65	AV	261.00	200	Vertical	Pass
4	3799.839	45.71	74.0	28.29	Peak	343.00	300	Vertical	Pass
4**	3799.839	36.18	54.0	17.82	AV	343.00	300	Vertical	Pass
5	7597.786	55.74	74.0	18.26	Peak	20.00	300	Vertical	Pass
5**	7597.786	45.64	54.0	8.36	AV	20.00	300	Vertical	Pass
6	17418.143	56.33	74.0	17.67	Peak	19.00	300	Vertical	Pass
6**	17418.143	44.46	54.0	9.54	AV	19.00	300	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	1437.494	46.01	74.0	27.99	Peak	359.00	100	Horizontal	Pass
1**	1437.494	41.18	54.0	12.82	AV	359.00	100	Horizontal	Pass
2	4147.281	46.89	74.0	27.11	Peak	312.00	100	Horizontal	Pass
2**	4147.281	39.34	54.0	14.66	AV	312.00	100	Horizontal	Pass
3	7366.876	51.23	74.0	22.77	Peak	207.00	200	Horizontal	Pass
3**	7366.876	40.97	54.0	13.03	AV	207.00	200	Horizontal	Pass
4	12461.169	54.46	74.0	19.54	Peak	144.00	100	Horizontal	Pass
4**	12461.169	41.64	54.0	12.36	AV	144.00	100	Horizontal	Pass
5	15878.910	52.48	74.0	21.52	Peak	289.00	200	Horizontal	Pass
5**	15878.910	42.28	54.0	11.72	AV	289.00	200	Horizontal	Pass
6	17422.126	58.91	74.0	15.09	Peak	74.00	400	Horizontal	Pass
6**	17422.126	45.98	54.0	8.02	AV	74.00	400	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	1333.110	41.62	74.0	32.38	Peak	190.00	300	Vertical	Pass
1**	1333.110	33.00	54.0	21.00	AV	190.00	300	Vertical	Pass
2	1439.192	44.61	74.0	29.39	Peak	63.00	100	Vertical	Pass
2**	1439.192	36.09	54.0	17.91	AV	63.00	100	Vertical	Pass
3	4150.049	46.37	26.3	-20.04	Peak	71.00	200	Vertical	Pass
3**	4150.049	37.04	14.9	-22.13	AV	71.00	200	Vertical	Pass
4	3797.666	48.99	74.0	25.01	Peak	342.00	100	Vertical	Pass
4**	3797.666	35.37	54.0	18.63	AV	342.00	100	Vertical	Pass
5	7601.660	50.77	74.0	23.23	Peak	145.00	100	Vertical	Pass
5**	7601.660	47.55	54.0	6.45	AV	145.00	100	Vertical	Pass
6	17419.581	53.96	74.0	20.04	Peak	148.00	300	Vertical	Pass
6**	17419.581	46.62	54.0	7.38	AV	148.00	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	1442.220	45.46	74.0	28.54	Peak	59.00	300	Horizontal	Pass
1**	1442.220	40.05	54.0	13.95	AV	59.00	300	Horizontal	Pass
2	4151.458	44.91	74.0	29.09	Peak	179.00	300	Horizontal	Pass
2**	4151.458	36.01	54.0	17.99	AV	179.00	300	Horizontal	Pass
3	7365.971	54.24	74.0	19.76	Peak	148.00	200	Horizontal	Pass
3**	7365.971	42.53	54.0	11.47	AV	148.00	200	Horizontal	Pass
4	12461.769	55.87	74.0	18.13	Peak	148.00	300	Horizontal	Pass
4**	12461.769	45.16	54.0	8.84	AV	148.00	300	Horizontal	Pass
5	15882.296	55.38	74.0	18.62	Peak	323.00	100	Horizontal	Pass
5**	15882.296	43.31	54.0	10.69	AV	323.00	100	Horizontal	Pass
6	17420.101	54.02	74.0	19.98	Peak	342.00	400	Horizontal	Pass
6**	17420.101	45.56	54.0	8.44	AV	342.00	400	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	1330.123	45.67	74.0	28.33	Peak	170.00	100	Vertical	Pass
1**	1330.123	32.42	54.0	21.58	AV	170.00	100	Vertical	Pass
2	1441.152	38.95	74.0	35.05	Peak	260.00	100	Vertical	Pass
2**	1441.152	37.47	54.0	16.53	AV	260.00	100	Vertical	Pass
3	4151.662	49.56	26.3	-23.23	Peak	340.00	200	Vertical	Pass
3**	4151.662	36.46	14.9	-21.55	AV	340.00	200	Vertical	Pass
4	3796.214	43.82	74.0	30.18	Peak	271.00	200	Vertical	Pass
4**	3796.214	37.65	54.0	16.35	AV	271.00	200	Vertical	Pass
5	7601.988	53.62	74.0	20.38	Peak	325.00	400	Vertical	Pass
5**	7601.988	43.88	54.0	10.12	AV	325.00	400	Vertical	Pass
6	17418.135	55.29	74.0	18.71	Peak	227.00	400	Vertical	Pass
6**	17418.135	49.45	54.0	4.55	AV	227.00	400	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	1440.623	44.78	74.0	29.22	Peak	3.00	400	Horizontal	Pass
1**	1440.623	40.51	54.0	13.49	AV	3.00	400	Horizontal	Pass
2	4150.829	49.51	74.0	24.49	Peak	341.00	400	Horizontal	Pass
2**	4150.829	35.41	54.0	18.59	AV	341.00	400	Horizontal	Pass
3	7367.326	52.55	74.0	21.45	Peak	292.00	200	Horizontal	Pass
3**	7367.326	41.09	54.0	12.91	AV	292.00	200	Horizontal	Pass
4	12460.142	55.95	74.0	18.05	Peak	345.00	100	Horizontal	Pass
4**	12460.142	43.37	54.0	10.63	AV	345.00	100	Horizontal	Pass
5	15883.350	53.35	74.0	20.65	Peak	260.00	400	Horizontal	Pass
5**	15883.350	44.94	54.0	9.06	AV	260.00	400	Horizontal	Pass
6	17420.938	58.85	74.0	15.15	Peak	310.00	300	Horizontal	Pass
6**	17420.938	45.54	54.0	8.46	AV	310.00	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	1334.242	47.37	74.0	26.63	Peak	15.00	400	Vertical	Pass
1**	1334.242	36.36	54.0	17.64	AV	15.00	400	Vertical	Pass
2	1440.847	40.47	74.0	33.53	Peak	14.00	100	Vertical	Pass
2**	1440.847	39.82	54.0	14.18	AV	14.00	100	Vertical	Pass
3	4152.337	46.89	26.3	-20.56	Peak	39.00	200	Vertical	Pass
3**	4152.337	38.34	14.9	-23.43	AV	39.00	200	Vertical	Pass
4	3802.495	48.18	74.0	25.82	Peak	342.00	400	Vertical	Pass
4**	3802.495	37.93	54.0	16.07	AV	342.00	400	Vertical	Pass
5	7600.388	50.92	74.0	23.08	Peak	189.00	400	Vertical	Pass
5**	7600.388	44.95	54.0	9.05	AV	189.00	400	Vertical	Pass
6	17422.374	53.28	74.0	20.72	Peak	15.00	200	Vertical	Pass
6**	17422.374	48.10	54.0	5.90	AV	15.00	200	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	1438.374	44.35	74.0	29.65	Peak	74.00	200	Horizontal	Pass
1**	1438.374	40.33	54.0	13.67	AV	74.00	200	Horizontal	Pass
2	4144.747	47.54	74.0	26.46	Peak	194.00	200	Horizontal	Pass
2**	4144.747	39.68	54.0	14.32	AV	194.00	200	Horizontal	Pass
3	7370.227	52.54	74.0	21.46	Peak	233.00	200	Horizontal	Pass
3**	7370.227	41.04	54.0	12.96	AV	233.00	200	Horizontal	Pass
4	12461.139	52.78	74.0	21.22	Peak	347.00	400	Horizontal	Pass
4**	12461.139	42.42	54.0	11.58	AV	347.00	400	Horizontal	Pass
5	15882.351	51.79	74.0	22.21	Peak	45.00	300	Horizontal	Pass
5**	15882.351	42.19	54.0	11.81	AV	45.00	300	Horizontal	Pass
6	17418.138	56.52	74.0	17.48	Peak	191.00	100	Horizontal	Pass
6**	17418.138	48.14	54.0	5.86	AV	191.00	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	1335.728	46.92	74.0	27.08	Peak	294.00	400	Vertical	Pass
1**	1335.728	34.53	54.0	19.47	AV	294.00	400	Vertical	Pass
2	1443.944	39.13	74.0	34.87	Peak	336.00	400	Vertical	Pass
2**	1443.944	35.19	54.0	18.81	AV	336.00	400	Vertical	Pass
3	2656.650	47.47	68.2	20.73	Peak	218.00	200	Vertical	Pass
3**	2656.650	33.24	--	--	AV	218.00	200	Vertical	Pass
4	3802.590	48.73	74.0	25.27	Peak	252.00	300	Vertical	Pass
4**	3802.590	36.69	54.0	17.31	AV	252.00	300	Vertical	Pass
5	7601.284	53.73	74.0	20.27	Peak	62.00	200	Vertical	Pass
5**	7601.284	41.92	54.0	12.08	AV	62.00	200	Vertical	Pass
6	17423.029	55.60	74.0	18.40	Peak	216.00	200	Vertical	Pass
6**	17423.029	47.08	54.0	6.92	AV	216.00	200	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	1438.594	47.78	74.0	26.22	Peak	355.00	200	Horizontal	Pass
1**	1438.594	36.37	54.0	17.63	AV	355.00	200	Horizontal	Pass
2	4146.420	44.64	74.0	29.36	Peak	250.00	300	Horizontal	Pass
2**	4146.420	37.31	54.0	16.69	AV	250.00	300	Horizontal	Pass
3	7364.571	53.84	74.0	20.16	Peak	156.00	200	Horizontal	Pass
3**	7364.571	41.71	54.0	12.29	AV	156.00	200	Horizontal	Pass
4	12462.619	51.27	74.0	22.73	Peak	106.00	200	Horizontal	Pass
4**	12462.619	43.83	54.0	10.17	AV	106.00	200	Horizontal	Pass
5	15879.157	53.56	74.0	20.44	Peak	276.00	400	Horizontal	Pass
5**	15879.157	43.67	54.0	10.33	AV	276.00	400	Horizontal	Pass
6	17421.511	54.21	74.0	19.79	Peak	227.00	300	Horizontal	Pass
6**	17421.511	46.92	54.0	7.08	AV	227.00	300	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	1336.195	46.45	74.0	27.55	Peak	327.00	200	Vertical	Pass
1**	1336.195	34.79	54.0	19.21	AV	327.00	200	Vertical	Pass
2	1441.952	39.44	74.0	34.56	Peak	329.00	100	Vertical	Pass
2**	1441.952	39.12	54.0	14.88	AV	329.00	100	Vertical	Pass
3	2659.344	42.99	68.2	25.21	Peak	340.00	200	Vertical	Pass
3**	2659.344	32.18	--	--	AV	340.00	200	Vertical	Pass
4	3801.266	46.55	74.0	27.45	Peak	298.00	200	Vertical	Pass
4**	3801.266	36.70	54.0	17.30	AV	298.00	200	Vertical	Pass
5	7598.043	54.75	74.0	19.25	Peak	149.00	400	Vertical	Pass
5**	7598.043	46.48	54.0	7.52	AV	149.00	400	Vertical	Pass
6	17422.212	54.84	74.0	19.16	Peak	150.00	300	Vertical	Pass
6**	17422.212	50.18	54.0	3.82	AV	150.00	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	1440.455	43.44	74.0	30.56	Peak	278.00	300	Horizontal	Pass
1**	1440.455	40.65	54.0	13.35	AV	278.00	300	Horizontal	Pass
2	4144.976	45.39	74.0	28.61	Peak	128.00	300	Horizontal	Pass
2**	4144.976	40.10	54.0	13.90	AV	128.00	300	Horizontal	Pass
3	7366.296	54.23	74.0	19.77	Peak	308.00	200	Horizontal	Pass
3**	7366.296	42.92	54.0	11.08	AV	308.00	200	Horizontal	Pass
4	12466.267	55.46	74.0	18.54	Peak	150.00	100	Horizontal	Pass
4**	12466.267	45.08	54.0	8.92	AV	150.00	100	Horizontal	Pass
5	15882.163	52.53	74.0	21.47	Peak	99.00	200	Horizontal	Pass
5**	15882.163	43.14	54.0	10.86	AV	99.00	200	Horizontal	Pass
6	17416.428	57.30	74.0	16.70	Peak	223.00	300	Horizontal	Pass
6**	17416.428	50.19	54.0	3.81	AV	223.00	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	1332.742	47.13	74.0	26.87	Peak	127.00	200	Vertical	Pass
1**	1332.742	34.71	54.0	19.29	AV	127.00	200	Vertical	Pass
2	1442.354	40.51	74.0	33.49	Peak	62.00	300	Vertical	Pass
2**	1442.354	37.00	54.0	17.00	AV	62.00	300	Vertical	Pass
3	2659.782	47.18	68.2	21.02	Peak	297.00	200	Vertical	Pass
3**	2659.782	37.78	--	--	AV	297.00	200	Vertical	Pass
4	3797.745	47.76	74.0	26.24	Peak	140.00	200	Vertical	Pass
4**	3797.745	40.07	54.0	13.93	AV	140.00	200	Vertical	Pass
5	7598.732	51.48	74.0	22.52	Peak	316.00	400	Vertical	Pass
5**	7598.732	43.74	54.0	10.26	AV	316.00	400	Vertical	Pass
6	17419.209	54.41	74.0	19.59	Peak	161.00	300	Vertical	Pass
6**	17419.209	48.58	54.0	5.42	AV	161.00	300	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	1441.159	44.35	74.0	29.65	Peak	205.00	400	Horizontal	Pass
1**	1441.159	39.12	54.0	14.88	AV	205.00	400	Horizontal	Pass
2	4147.364	46.68	74.0	27.32	Peak	232.00	200	Horizontal	Pass
2**	4147.364	39.28	54.0	14.72	AV	232.00	200	Horizontal	Pass
3	7368.892	51.21	74.0	22.79	Peak	45.00	200	Horizontal	Pass
3**	7368.892	45.65	54.0	8.35	AV	45.00	200	Horizontal	Pass
4	12464.506	52.13	74.0	21.87	Peak	223.00	300	Horizontal	Pass
4**	12464.506	46.57	54.0	7.43	AV	223.00	300	Horizontal	Pass
5	15880.632	52.96	74.0	21.04	Peak	180.00	200	Horizontal	Pass
5**	15880.632	43.31	54.0	10.69	AV	180.00	200	Horizontal	Pass
6	17418.309	56.64	74.0	17.36	Peak	63.00	400	Horizontal	Pass
6**	17418.309	46.16	54.0	7.84	AV	63.00	400	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	1334.994	44.28	74.0	29.72	Peak	54.00	200	Vertical	Pass
1**	1334.994	32.13	54.0	21.87	AV	54.00	200	Vertical	Pass
2	1443.208	43.28	74.0	30.72	Peak	80.00	400	Vertical	Pass
2**	1443.208	39.32	54.0	14.68	AV	80.00	400	Vertical	Pass
3	2659.335	44.38	68.2	23.82	Peak	275.00	200	Vertical	Pass
3**	2659.335	35.36	--	--	AV	275.00	200	Vertical	Pass
4	3797.057	48.15	74.0	25.85	Peak	343.00	400	Vertical	Pass
4**	3797.057	39.13	54.0	14.87	AV	343.00	400	Vertical	Pass
5	7598.872	53.69	74.0	20.31	Peak	61.00	400	Vertical	Pass
5**	7598.872	43.31	54.0	10.69	AV	61.00	400	Vertical	Pass
6	17420.943	56.01	74.0	17.99	Peak	20.00	400	Vertical	Pass
6**	17420.943	45.79	54.0	8.21	AV	20.00	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	1438.987	42.61	74.0	31.39	Peak	149.00	300	Horizontal	Pass
1**	1438.987	40.02	54.0	13.98	AV	149.00	300	Horizontal	Pass
2	4148.160	45.66	74.0	28.34	Peak	326.00	400	Horizontal	Pass
2**	4148.160	37.33	54.0	16.67	AV	326.00	400	Horizontal	Pass
3	7367.333	55.23	74.0	18.77	Peak	33.00	200	Horizontal	Pass
3**	7367.333	46.14	54.0	7.86	AV	33.00	200	Horizontal	Pass
4	12461.518	52.83	74.0	21.17	Peak	241.00	400	Horizontal	Pass
4**	12461.518	43.58	54.0	10.42	AV	241.00	400	Horizontal	Pass
5	15881.719	55.17	74.0	18.83	Peak	355.00	100	Horizontal	Pass
5**	15881.719	44.26	54.0	9.74	AV	355.00	100	Horizontal	Pass
6	17420.266	54.04	74.0	19.96	Peak	120.00	400	Horizontal	Pass
6**	17420.266	44.73	54.0	9.27	AV	120.00	400	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	1332.066	42.30	74.0	31.70	Peak	332.00	200	Vertical	Pass
1**	1332.066	33.55	54.0	20.45	AV	332.00	200	Vertical	Pass
2	1442.018	44.63	74.0	29.37	Peak	41.00	400	Vertical	Pass
2**	1442.018	37.87	54.0	16.13	AV	41.00	400	Vertical	Pass
3	2656.594	43.35	68.2	24.85	Peak	128.00	200	Vertical	Pass
3**	2656.594	34.54	--	--	AV	128.00	200	Vertical	Pass
4	3799.138	44.23	74.0	29.77	Peak	223.00	300	Vertical	Pass
4**	3799.138	38.94	54.0	15.06	AV	223.00	300	Vertical	Pass
5	7598.890	53.14	74.0	20.86	Peak	89.00	200	Vertical	Pass
5**	7598.890	46.25	54.0	7.75	AV	89.00	200	Vertical	Pass
6	17420.604	57.67	74.0	16.33	Peak	280.00	100	Vertical	Pass
6**	17420.604	48.47	54.0	5.53	AV	280.00	100	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	1439.970	45.71	74.0	28.29	Peak	113.00	400	Horizontal	Pass
1**	1439.970	36.97	54.0	17.03	AV	113.00	400	Horizontal	Pass
2	4147.500	49.01	74.0	24.99	Peak	336.00	200	Horizontal	Pass
2**	4147.500	36.09	54.0	17.91	AV	336.00	200	Horizontal	Pass
3	7367.964	50.39	74.0	23.61	Peak	307.00	200	Horizontal	Pass
3**	7367.964	44.31	54.0	9.69	AV	307.00	200	Horizontal	Pass
4	12463.146	50.75	74.0	23.25	Peak	107.00	200	Horizontal	Pass
4**	12463.146	47.27	54.0	6.73	AV	107.00	200	Horizontal	Pass
5	15885.224	51.48	74.0	22.52	Peak	133.00	400	Horizontal	Pass
5**	15885.224	45.60	54.0	8.40	AV	133.00	400	Horizontal	Pass
6	17421.520	56.32	74.0	17.68	Peak	164.00	200	Horizontal	Pass
6**	17421.520	48.08	54.0	5.92	AV	164.00	200	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	1335.386	47.19	74.0	26.81	Peak	120.00	300	Vertical	Pass
1**	1335.386	33.81	54.0	20.19	AV	120.00	300	Vertical	Pass
2	1440.869	39.63	74.0	34.37	Peak	139.00	200	Vertical	Pass
2**	1440.869	38.29	54.0	15.71	AV	139.00	200	Vertical	Pass
3	2656.754	48.00	68.2	20.20	Peak	111.00	200	Vertical	Pass
3**	2656.754	32.41	--	--	AV	111.00	200	Vertical	Pass
4	3800.829	48.22	74.0	25.78	Peak	321.00	400	Vertical	Pass
4**	3800.829	37.09	54.0	16.91	AV	321.00	400	Vertical	Pass
5	7601.828	54.60	74.0	19.40	Peak	346.00	100	Vertical	Pass
5**	7601.828	42.26	54.0	11.74	AV	346.00	100	Vertical	Pass
6	17418.720	55.58	74.0	18.42	Peak	320.00	200	Vertical	Pass
6**	17418.720	49.00	54.0	5.00	AV	320.00	200	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	1441.604	44.15	74.0	29.85	Peak	90.00	300	Horizontal	Pass
1**	1441.604	39.30	54.0	14.70	AV	90.00	300	Horizontal	Pass
2	4147.842	46.40	74.0	27.60	Peak	49.00	200	Horizontal	Pass
2**	4147.842	35.76	54.0	18.24	AV	49.00	200	Horizontal	Pass
3	7366.612	52.23	74.0	21.77	Peak	142.00	200	Horizontal	Pass
3**	7366.612	41.16	54.0	12.84	AV	142.00	200	Horizontal	Pass
4	12465.028	55.18	74.0	18.82	Peak	117.00	300	Horizontal	Pass
4**	12465.028	44.67	54.0	9.33	AV	117.00	300	Horizontal	Pass
5	15879.717	55.46	74.0	18.54	Peak	191.00	300	Horizontal	Pass
5**	15879.717	45.41	54.0	8.59	AV	191.00	300	Horizontal	Pass
6	17420.860	56.38	74.0	17.62	Peak	165.00	400	Horizontal	Pass
6**	17420.860	44.94	54.0	9.06	AV	165.00	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	1337.225	44.39	74.0	29.61	Peak	254.00	300	Vertical	Pass
1**	1337.225	34.83	54.0	19.17	AV	254.00	300	Vertical	Pass
2	1443.245	40.54	74.0	33.46	Peak	165.00	100	Vertical	Pass
2**	1443.245	36.45	54.0	17.55	AV	165.00	100	Vertical	Pass
3	2656.780	43.13	68.2	25.07	Peak	344.00	200	Vertical	Pass
3**	2656.780	34.02	--	--	AV	344.00	200	Vertical	Pass
4	3799.951	44.55	74.0	29.45	Peak	278.00	200	Vertical	Pass
4**	3799.951	34.89	54.0	19.11	AV	278.00	200	Vertical	Pass
5	7601.609	54.97	74.0	19.03	Peak	69.00	200	Vertical	Pass
5**	7601.609	42.52	54.0	11.48	AV	69.00	200	Vertical	Pass
6	17420.589	57.99	74.0	16.01	Peak	232.00	300	Vertical	Pass
6**	17420.589	44.49	54.0	9.51	AV	232.00	300	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	1439.477	47.77	74.0	26.23	Peak	1.00	400	Horizontal	Pass
1**	1439.477	39.41	54.0	14.59	AV	1.00	400	Horizontal	Pass
2	4144.846	44.31	74.0	29.69	Peak	340.00	200	Horizontal	Pass
2**	4144.846	37.18	54.0	16.82	AV	340.00	200	Horizontal	Pass
3	7368.042	50.10	74.0	23.90	Peak	164.00	200	Horizontal	Pass
3**	7368.042	43.10	54.0	10.90	AV	164.00	200	Horizontal	Pass
4	12461.746	53.77	74.0	20.23	Peak	105.00	200	Horizontal	Pass
4**	12461.746	42.84	54.0	11.16	AV	105.00	200	Horizontal	Pass
5	15882.007	54.84	74.0	19.16	Peak	263.00	300	Horizontal	Pass
5**	15882.007	42.06	54.0	11.94	AV	263.00	300	Horizontal	Pass
6	17419.515	53.48	74.0	20.52	Peak	339.00	200	Horizontal	Pass
6**	17419.515	47.93	54.0	6.07	AV	339.00	200	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	1329.429	43.95	74.0	30.05	Peak	52.00	400	Vertical	Pass
1**	1329.429	33.82	54.0	20.18	AV	52.00	400	Vertical	Pass
2	1437.850	40.01	74.0	33.99	Peak	99.00	400	Vertical	Pass
2**	1437.850	35.06	54.0	18.94	AV	99.00	400	Vertical	Pass
3	2660.498	42.43	68.2	25.77	Peak	146.00	200	Vertical	Pass
3**	2660.498	37.47	--	--	AV	146.00	200	Vertical	Pass
4	3796.055	43.40	74.0	30.60	Peak	53.00	200	Vertical	Pass
4**	3796.055	36.56	54.0	17.44	AV	53.00	200	Vertical	Pass
5	7599.476	50.59	74.0	23.41	Peak	203.00	100	Vertical	Pass
5**	7599.476	46.80	54.0	7.20	AV	203.00	100	Vertical	Pass
6	17419.204	56.45	74.0	17.55	Peak	278.00	100	Vertical	Pass
6**	17419.204	47.74	54.0	6.26	AV	278.00	100	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	1442.149	45.42	74.0	28.58	Peak	60.00	100	Horizontal	Pass
1**	1442.149	41.11	54.0	12.89	AV	60.00	100	Horizontal	Pass
2	4152.112	49.34	74.0	24.66	Peak	342.00	400	Horizontal	Pass
2**	4152.112	34.62	54.0	19.38	AV	342.00	400	Horizontal	Pass
3	7365.805	51.27	74.0	22.73	Peak	128.00	200	Horizontal	Pass
3**	7365.805	42.72	54.0	11.28	AV	128.00	200	Horizontal	Pass
4	12462.078	54.59	74.0	19.41	Peak	233.00	200	Horizontal	Pass
4**	12462.078	42.20	54.0	11.80	AV	233.00	200	Horizontal	Pass
5	15878.598	52.69	74.0	21.31	Peak	99.00	400	Horizontal	Pass
5**	15878.598	41.75	54.0	12.25	AV	99.00	400	Horizontal	Pass
6	17418.931	54.69	74.0	19.31	Peak	109.00	200	Horizontal	Pass
6**	17418.931	45.19	54.0	8.81	AV	109.00	200	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	1335.717	45.08	74.0	28.92	Peak	318.00	300	Vertical	Pass
1**	1335.717	34.81	54.0	19.19	AV	318.00	300	Vertical	Pass
2	1437.459	42.20	74.0	31.80	Peak	41.00	400	Vertical	Pass
2**	1437.459	34.26	54.0	19.74	AV	41.00	400	Vertical	Pass
3	2657.587	45.85	68.2	22.35	Peak	167.00	200	Vertical	Pass
3**	2657.587	33.37	--	--	AV	167.00	200	Vertical	Pass
4	3802.679	47.96	74.0	26.04	Peak	291.00	200	Vertical	Pass
4**	3802.679	39.01	54.0	14.99	AV	291.00	200	Vertical	Pass
5	7597.953	51.45	74.0	22.55	Peak	328.00	200	Vertical	Pass
5**	7597.953	42.53	54.0	11.47	AV	328.00	200	Vertical	Pass
6	17420.619	58.12	74.0	15.88	Peak	125.00	200	Vertical	Pass
6**	17420.619	49.08	54.0	4.92	AV	125.00	200	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	1442.643	45.46	74.0	28.54	Peak	42.00	400	Horizontal	Pass
1**	1442.643	38.27	54.0	15.73	AV	42.00	400	Horizontal	Pass
2	4151.443	45.91	74.0	28.09	Peak	210.00	100	Horizontal	Pass
2**	4151.443	37.22	54.0	16.78	AV	210.00	100	Horizontal	Pass
3	7369.271	49.96	74.0	24.04	Peak	27.00	200	Horizontal	Pass
3**	7369.271	40.68	54.0	13.32	AV	27.00	200	Horizontal	Pass
4	12464.652	50.90	74.0	23.10	Peak	88.00	300	Horizontal	Pass
4**	12464.652	41.98	54.0	12.02	AV	88.00	300	Horizontal	Pass
5	15880.356	53.95	74.0	20.05	Peak	190.00	300	Horizontal	Pass
5**	15880.356	42.87	54.0	11.13	AV	190.00	300	Horizontal	Pass
6	17420.602	56.39	74.0	17.61	Peak	92.00	200	Horizontal	Pass
6**	17420.602	49.13	54.0	4.87	AV	92.00	200	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	1334.043	46.14	74.0	27.86	Peak	335.00	200	Vertical	Pass
1**	1334.043	33.37	54.0	20.63	AV	335.00	200	Vertical	Pass
2	1444.086	41.83	74.0	32.17	Peak	31.00	300	Vertical	Pass
2**	1444.086	37.76	54.0	16.24	AV	31.00	300	Vertical	Pass
3	2655.741	45.90	68.2	22.30	Peak	260.00	200	Vertical	Pass
3**	2655.741	37.06	--	--	AV	260.00	200	Vertical	Pass
4	3800.275	47.15	74.0	26.85	Peak	204.00	200	Vertical	Pass
4**	3800.275	36.97	54.0	17.03	AV	204.00	200	Vertical	Pass
5	7604.359	50.55	74.0	23.45	Peak	72.00	100	Vertical	Pass
5**	7604.359	45.90	54.0	8.10	AV	72.00	100	Vertical	Pass
6	17421.044	55.48	74.0	18.52	Peak	115.00	100	Vertical	Pass
6**	17421.044	49.84	54.0	4.16	AV	115.00	100	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	1444.824	42.46	74.0	31.54	Peak	3.00	200	Horizontal	Pass
1**	1444.824	39.60	54.0	14.40	AV	3.00	200	Horizontal	Pass
2	4147.137	46.79	74.0	27.21	Peak	271.00	200	Horizontal	Pass
2**	4147.137	36.22	54.0	17.78	AV	271.00	200	Horizontal	Pass
3	7366.616	55.42	74.0	18.58	Peak	293.00	200	Horizontal	Pass
3**	7366.616	45.35	54.0	8.65	AV	293.00	200	Horizontal	Pass
4	12460.405	55.71	74.0	18.29	Peak	137.00	100	Horizontal	Pass
4**	12460.405	41.81	54.0	12.19	AV	137.00	100	Horizontal	Pass
5	15883.522	51.83	74.0	22.17	Peak	53.00	300	Horizontal	Pass
5**	15883.522	43.97	54.0	10.03	AV	53.00	300	Horizontal	Pass
6	17419.928	53.26	74.0	20.74	Peak	22.00	300	Horizontal	Pass
6**	17419.928	44.55	54.0	9.45	AV	22.00	300	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	1335.058	43.46	74.0	30.54	Peak	70.00	200	Vertical	Pass
1**	1335.058	34.27	54.0	19.73	AV	70.00	200	Vertical	Pass
2	1443.751	41.31	74.0	32.69	Peak	169.00	300	Vertical	Pass
2**	1443.751	34.34	54.0	19.66	AV	169.00	300	Vertical	Pass
3	2659.536	47.40	68.2	20.80	Peak	26.00	200	Vertical	Pass
3**	2659.536	34.92	--	--	AV	26.00	200	Vertical	Pass
4	3801.830	47.87	74.0	26.13	Peak	327.00	200	Vertical	Pass
4**	3801.830	39.23	54.0	14.77	AV	327.00	200	Vertical	Pass
5	7603.709	51.37	74.0	22.63	Peak	356.00	100	Vertical	Pass
5**	7603.709	41.94	54.0	12.06	AV	356.00	100	Vertical	Pass
6	17421.925	58.71	74.0	15.29	Peak	130.00	200	Vertical	Pass
6**	17421.925	45.43	54.0	8.57	AV	130.00	200	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	1441.538	42.95	74.0	31.05	Peak	144.00	400	Horizontal	Pass
1**	1441.538	40.61	54.0	13.39	AV	144.00	400	Horizontal	Pass
2	4151.894	49.56	74.0	24.44	Peak	232.00	100	Horizontal	Pass
2**	4151.894	34.95	54.0	19.05	AV	232.00	100	Horizontal	Pass
3	7365.209	53.15	74.0	20.85	Peak	83.00	200	Horizontal	Pass
3**	7365.209	46.01	54.0	7.99	AV	83.00	200	Horizontal	Pass
4	12460.085	54.72	74.0	19.28	Peak	48.00	200	Horizontal	Pass
4**	12460.085	46.72	54.0	7.28	AV	48.00	200	Horizontal	Pass
5	15885.095	52.42	74.0	21.58	Peak	346.00	100	Horizontal	Pass
5**	15885.095	42.60	54.0	11.40	AV	346.00	100	Horizontal	Pass
6	17420.536	54.31	74.0	19.69	Peak	311.00	400	Horizontal	Pass
6**	17420.536	49.66	54.0	4.34	AV	311.00	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	1329.987	44.77	74.0	29.23	Peak	295.00	200	Vertical	Pass
1**	1329.987	36.34	54.0	17.66	AV	295.00	200	Vertical	Pass
2	1443.677	40.00	74.0	34.00	Peak	95.00	400	Vertical	Pass
2**	1443.677	37.59	54.0	16.41	AV	95.00	400	Vertical	Pass
3	2657.542	47.95	68.2	20.25	Peak	349.00	200	Vertical	Pass
3**	2657.542	36.87	--	--	AV	349.00	200	Vertical	Pass
4	3795.196	48.17	74.0	25.83	Peak	55.00	300	Vertical	Pass
4**	3795.196	36.66	54.0	17.34	AV	55.00	300	Vertical	Pass
5	7603.557	50.40	74.0	23.60	Peak	78.00	400	Vertical	Pass
5**	7603.557	44.50	54.0	9.50	AV	78.00	400	Vertical	Pass
6	17418.833	55.98	74.0	18.02	Peak	262.00	200	Vertical	Pass
6**	17418.833	45.37	54.0	8.63	AV	262.00	200	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	1443.498	44.27	74.0	29.73	Peak	70.00	400	Horizontal	Pass
1**	1443.498	39.08	54.0	14.92	AV	70.00	400	Horizontal	Pass
2	4150.351	45.81	74.0	28.19	Peak	281.00	400	Horizontal	Pass
2**	4150.351	37.74	54.0	16.26	AV	281.00	400	Horizontal	Pass
3	7368.745	53.45	74.0	20.55	Peak	277.00	200	Horizontal	Pass
3**	7368.745	45.25	54.0	8.75	AV	277.00	200	Horizontal	Pass
4	12468.043	52.96	74.0	21.04	Peak	128.00	300	Horizontal	Pass
4**	12468.043	45.08	54.0	8.92	AV	128.00	300	Horizontal	Pass
5	15879.235	54.08	74.0	19.92	Peak	227.00	400	Horizontal	Pass
5**	15879.235	45.42	54.0	8.58	AV	227.00	400	Horizontal	Pass
6	17422.346	53.49	74.0	20.51	Peak	134.00	300	Horizontal	Pass
6**	17422.346	47.88	54.0	6.12	AV	134.00	300	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	1333.027	44.50	74.0	29.50	Peak	184.00	100	Vertical	Pass
1**	1333.027	31.15	54.0	22.85	AV	184.00	100	Vertical	Pass
2	1439.866	40.71	74.0	33.29	Peak	117.00	300	Vertical	Pass
2**	1439.866	35.29	54.0	18.71	AV	117.00	300	Vertical	Pass
3	2655.484	48.08	68.2	20.12	Peak	201.00	200	Vertical	Pass
3**	2655.484	36.11	--	--	AV	201.00	200	Vertical	Pass
4	3796.911	48.80	74.0	25.20	Peak	228.00	200	Vertical	Pass
4**	3796.911	37.26	54.0	16.74	AV	228.00	200	Vertical	Pass
5	7601.242	54.56	74.0	19.44	Peak	242.00	200	Vertical	Pass
5**	7601.242	44.36	54.0	9.64	AV	242.00	200	Vertical	Pass
6	17419.061	57.23	74.0	16.77	Peak	228.00	200	Vertical	Pass
6**	17419.061	47.23	54.0	6.77	AV	228.00	200	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	1437.612	47.57	74.0	26.43	Peak	43.00	100	Horizontal	Pass
1**	1437.612	36.44	54.0	17.56	AV	43.00	100	Horizontal	Pass
2	4148.871	46.85	74.0	27.15	Peak	32.00	100	Horizontal	Pass
2**	4148.871	38.67	54.0	15.33	AV	32.00	100	Horizontal	Pass
3	7371.541	52.91	74.0	21.09	Peak	253.00	200	Horizontal	Pass
3**	7371.541	44.16	54.0	9.84	AV	253.00	200	Horizontal	Pass
4	12461.435	53.91	74.0	20.09	Peak	109.00	200	Horizontal	Pass
4**	12461.435	45.42	54.0	8.58	AV	109.00	200	Horizontal	Pass
5	15877.435	51.95	74.0	22.05	Peak	360.00	400	Horizontal	Pass
5**	15877.435	41.81	54.0	12.19	AV	360.00	400	Horizontal	Pass
6	17422.474	58.63	74.0	15.37	Peak	185.00	300	Horizontal	Pass
6**	17422.474	44.45	54.0	9.55	AV	185.00	300	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	1332.734	46.86	74.0	27.14	Peak	134.00	100	Vertical	Pass
1**	1332.734	31.21	54.0	22.79	AV	134.00	100	Vertical	Pass
2	1443.047	44.54	74.0	29.46	Peak	170.00	100	Vertical	Pass
2**	1443.047	35.53	54.0	18.47	AV	170.00	100	Vertical	Pass
3	2654.383	45.73	68.2	22.47	Peak	249.00	200	Vertical	Pass
3**	2654.383	35.85	--	--	AV	249.00	200	Vertical	Pass
4	3802.581	46.97	74.0	27.03	Peak	127.00	300	Vertical	Pass
4**	3802.581	36.56	54.0	17.44	AV	127.00	300	Vertical	Pass
5	7602.502	50.94	74.0	23.06	Peak	6.00	400	Vertical	Pass
5**	7602.502	47.56	54.0	6.44	AV	6.00	400	Vertical	Pass
6	17420.692	56.30	74.0	17.70	Peak	304.00	400	Vertical	Pass
6**	17420.692	48.16	54.0	5.84	AV	304.00	400	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	1438.607	47.69	74.0	26.31	Peak	102.00	200	Horizontal	Pass
1**	1438.607	41.81	54.0	12.19	AV	102.00	200	Horizontal	Pass
2	4150.411	48.94	74.0	25.06	Peak	203.00	100	Horizontal	Pass
2**	4150.411	38.14	54.0	15.86	AV	203.00	100	Horizontal	Pass
3	7370.594	52.72	74.0	21.28	Peak	207.00	200	Horizontal	Pass
3**	7370.594	42.96	54.0	11.04	AV	207.00	200	Horizontal	Pass
4	12465.363	55.76	74.0	18.24	Peak	144.00	200	Horizontal	Pass
4**	12465.363	41.98	54.0	12.02	AV	144.00	200	Horizontal	Pass
5	15882.797	54.36	74.0	19.64	Peak	253.00	400	Horizontal	Pass
5**	15882.797	41.72	54.0	12.28	AV	253.00	400	Horizontal	Pass
6	17422.586	56.95	74.0	17.05	Peak	340.00	200	Horizontal	Pass
6**	17422.586	50.05	54.0	3.95	AV	340.00	200	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	1332.778	45.54	74.0	28.46	Peak	218.00	200	Vertical	Pass
1**	1332.778	35.63	54.0	18.37	AV	218.00	200	Vertical	Pass
2	1439.184	40.28	74.0	33.72	Peak	283.00	300	Vertical	Pass
2**	1439.184	37.41	54.0	16.59	AV	283.00	300	Vertical	Pass
3	2660.484	43.35	68.2	24.85	Peak	130.00	200	Vertical	Pass
3**	2660.484	36.80	--	--	AV	130.00	200	Vertical	Pass
4	3798.871	45.58	74.0	28.42	Peak	278.00	100	Vertical	Pass
4**	3798.871	38.06	54.0	15.94	AV	278.00	100	Vertical	Pass
5	7602.003	52.09	74.0	21.91	Peak	0.00	400	Vertical	Pass
5**	7602.003	41.94	54.0	12.06	AV	0.00	400	Vertical	Pass
6	17420.402	57.11	74.0	16.89	Peak	168.00	400	Vertical	Pass
6**	17420.402	50.03	54.0	3.97	AV	168.00	400	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	1442.619	45.16	74.0	28.84	Peak	83.00	300	Horizontal	Pass
1**	1442.619	38.68	54.0	15.32	AV	83.00	300	Horizontal	Pass
2	4148.979	47.37	74.0	26.63	Peak	114.00	400	Horizontal	Pass
2**	4148.979	36.38	54.0	17.62	AV	114.00	400	Horizontal	Pass
3	7369.207	54.12	74.0	19.88	Peak	18.00	200	Horizontal	Pass
3**	7369.207	46.02	54.0	7.98	AV	18.00	200	Horizontal	Pass
4	12466.995	52.68	74.0	21.32	Peak	129.00	100	Horizontal	Pass
4**	12466.995	43.21	54.0	10.79	AV	129.00	100	Horizontal	Pass
5	15882.312	55.35	74.0	18.65	Peak	168.00	400	Horizontal	Pass
5**	15882.312	41.87	54.0	12.13	AV	168.00	400	Horizontal	Pass
6	17419.730	56.86	74.0	17.14	Peak	297.00	300	Horizontal	Pass
6**	17419.730	46.04	54.0	7.96	AV	297.00	300	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	1335.818	47.34	74.0	26.66	Peak	81.00	200	Vertical	Pass
1**	1335.818	32.94	54.0	21.06	AV	81.00	200	Vertical	Pass
2	1443.627	41.90	74.0	32.10	Peak	319.00	100	Vertical	Pass
2**	1443.627	36.60	54.0	17.40	AV	319.00	100	Vertical	Pass
3	2653.732	43.95	68.2	24.25	Peak	42.00	200	Vertical	Pass
3**	2653.732	33.26	--	--	AV	42.00	200	Vertical	Pass
4	3799.766	48.09	74.0	25.91	Peak	242.00	300	Vertical	Pass
4**	3799.766	35.63	54.0	18.37	AV	242.00	300	Vertical	Pass
5	7599.531	51.63	74.0	22.37	Peak	299.00	300	Vertical	Pass
5**	7599.531	43.25	54.0	10.75	AV	299.00	300	Vertical	Pass
6	17418.541	58.18	74.0	15.82	Peak	58.00	100	Vertical	Pass
6**	17418.541	47.76	54.0	6.24	AV	58.00	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	1437.512	44.55	74.0	29.45	Peak	216.00	100	Horizontal	Pass
1**	1437.512	40.54	54.0	13.46	AV	216.00	100	Horizontal	Pass
2	4146.797	48.33	74.0	25.67	Peak	215.00	300	Horizontal	Pass
2**	4146.797	39.09	54.0	14.91	AV	215.00	300	Horizontal	Pass
3	7371.513	50.10	74.0	23.90	Peak	205.00	200	Horizontal	Pass
3**	7371.513	43.56	54.0	10.44	AV	205.00	200	Horizontal	Pass
4	12466.362	50.65	74.0	23.35	Peak	308.00	400	Horizontal	Pass
4**	12466.362	45.44	54.0	8.56	AV	308.00	400	Horizontal	Pass
5	15881.370	51.14	74.0	22.86	Peak	121.00	100	Horizontal	Pass
5**	15881.370	47.13	54.0	6.87	AV	121.00	100	Horizontal	Pass
6	17417.024	55.15	74.0	18.85	Peak	227.00	300	Horizontal	Pass
6**	17417.024	50.29	54.0	3.71	AV	227.00	300	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	1336.875	45.02	74.0	28.98	Peak	104.00	300	Vertical	Pass
1**	1336.875	34.23	54.0	19.77	AV	104.00	300	Vertical	Pass
2	1441.781	42.54	74.0	31.46	Peak	111.00	300	Vertical	Pass
2**	1441.781	34.84	54.0	19.16	AV	111.00	300	Vertical	Pass
3	2659.255	47.16	68.2	21.04	Peak	107.00	200	Vertical	Pass
3**	2659.255	33.03	--	--	AV	107.00	200	Vertical	Pass
4	3801.609	46.66	74.0	27.34	Peak	17.00	200	Vertical	Pass
4**	3801.609	37.19	54.0	16.81	AV	17.00	200	Vertical	Pass
5	7600.491	54.69	74.0	19.31	Peak	39.00	300	Vertical	Pass
5**	7600.491	42.36	54.0	11.64	AV	39.00	300	Vertical	Pass
6	17422.277	54.55	74.0	19.45	Peak	288.00	200	Vertical	Pass
6**	17422.277	45.00	54.0	9.00	AV	288.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.604	46.43	74.0	27.57	Peak	335.00	400	Horizontal	Pass
1**	1440.604	36.18	54.0	17.82	AV	335.00	400	Horizontal	Pass
2	4144.464	46.54	74.0	27.46	Peak	177.00	100	Horizontal	Pass
2**	4144.464	39.26	54.0	14.74	AV	177.00	100	Horizontal	Pass
3	7368.158	52.94	74.0	21.06	Peak	347.00	200	Horizontal	Pass
3**	7368.158	42.59	54.0	11.41	AV	347.00	200	Horizontal	Pass
4	12460.369	56.09	74.0	17.91	Peak	179.00	400	Horizontal	Pass
4**	12460.369	45.73	54.0	8.27	AV	179.00	400	Horizontal	Pass
5	15878.889	54.99	74.0	19.01	Peak	144.00	400	Horizontal	Pass
5**	15878.889	45.20	54.0	8.80	AV	144.00	400	Horizontal	Pass
6	17419.308	58.78	74.0	15.22	Peak	300.00	400	Horizontal	Pass
6**	17419.308	48.82	54.0	5.18	AV	300.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.225	47.22	74.0	26.78	Peak	22.00	400	Vertical	Pass
1**	1333.225	32.98	54.0	21.02	AV	22.00	400	Vertical	Pass
2	1436.962	43.71	74.0	30.29	Peak	173.00	400	Vertical	Pass
2**	1436.962	37.85	54.0	16.15	AV	173.00	400	Vertical	Pass
3	2659.338	47.65	68.2	20.55	Peak	288.00	200	Vertical	Pass
3**	2659.338	36.90	--	--	AV	288.00	200	Vertical	Pass
4	3799.246	44.78	74.0	29.22	Peak	222.00	100	Vertical	Pass
4**	3799.246	36.77	54.0	17.23	AV	222.00	100	Vertical	Pass
5	7599.010	53.23	74.0	20.77	Peak	99.00	400	Vertical	Pass
5**	7599.010	44.27	54.0	9.73	AV	99.00	400	Vertical	Pass
6	17419.496	56.80	74.0	17.20	Peak	102.00	400	Vertical	Pass
6**	17419.496	49.05	54.0	4.95	AV	102.00	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	1437.852	42.21	74.0	31.79	Peak	74.00	100	Horizontal	Pass
1**	1437.852	38.33	54.0	15.67	AV	74.00	100	Horizontal	Pass
2	4146.843	49.34	74.0	24.66	Peak	19.00	300	Horizontal	Pass
2**	4146.843	36.72	54.0	17.28	AV	19.00	300	Horizontal	Pass
3	7367.295	50.35	74.0	23.65	Peak	279.00	200	Horizontal	Pass
3**	7367.295	42.92	54.0	11.08	AV	279.00	200	Horizontal	Pass
4	12462.827	56.16	74.0	17.84	Peak	250.00	400	Horizontal	Pass
4**	12462.827	46.41	54.0	7.59	AV	250.00	400	Horizontal	Pass
5	15882.863	53.32	74.0	20.68	Peak	291.00	300	Horizontal	Pass
5**	15882.863	41.82	54.0	12.18	AV	291.00	300	Horizontal	Pass
6	17417.992	56.04	74.0	17.96	Peak	157.00	300	Horizontal	Pass
6**	17417.992	44.85	54.0	9.15	AV	157.00	300	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	1332.642	47.30	74.0	26.70	Peak	164.00	400	Vertical	Pass
1**	1332.642	30.78	54.0	23.22	AV	164.00	400	Vertical	Pass
2	1442.181	43.32	74.0	30.68	Peak	202.00	300	Vertical	Pass
2**	1442.181	38.22	54.0	15.78	AV	202.00	300	Vertical	Pass
3	2653.495	45.11	68.2	23.09	Peak	181.00	200	Vertical	Pass
3**	2653.495	37.27	--	--	AV	181.00	200	Vertical	Pass
4	3800.083	43.99	74.0	30.01	Peak	124.00	100	Vertical	Pass
4**	3800.083	38.53	54.0	15.47	AV	124.00	100	Vertical	Pass
5	7603.353	51.04	74.0	22.96	Peak	287.00	200	Vertical	Pass
5**	7603.353	43.53	54.0	10.47	AV	287.00	200	Vertical	Pass
6	17422.299	55.25	74.0	18.75	Peak	72.00	300	Vertical	Pass
6**	17422.299	44.99	54.0	9.01	AV	72.00	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	1441.114	43.61	74.0	30.39	Peak	242.00	100	Horizontal	Pass
1**	1441.114	36.31	54.0	17.69	AV	242.00	100	Horizontal	Pass
2	4150.356	44.55	74.0	29.45	Peak	293.00	200	Horizontal	Pass
2**	4150.356	37.19	54.0	16.81	AV	293.00	200	Horizontal	Pass
3	7365.430	52.35	74.0	21.65	Peak	97.00	200	Horizontal	Pass
3**	7365.430	43.72	54.0	10.28	AV	97.00	200	Horizontal	Pass
4	12462.157	53.99	74.0	20.01	Peak	181.00	400	Horizontal	Pass
4**	12462.157	46.62	54.0	7.38	AV	181.00	400	Horizontal	Pass
5	15882.557	51.83	74.0	22.17	Peak	208.00	300	Horizontal	Pass
5**	15882.557	43.00	54.0	11.00	AV	208.00	300	Horizontal	Pass
6	17416.005	56.07	74.0	17.93	Peak	266.00	200	Horizontal	Pass
6**	17416.005	46.31	54.0	7.69	AV	266.00	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	1334.883	46.40	74.0	27.60	Peak	321.00	100	Vertical	Pass
1**	1334.883	34.84	54.0	19.16	AV	321.00	100	Vertical	Pass
2	1441.501	41.29	74.0	32.71	Peak	100.00	300	Vertical	Pass
2**	1441.501	35.40	54.0	18.60	AV	100.00	300	Vertical	Pass
3	2657.996	46.23	68.2	21.97	Peak	272.00	200	Vertical	Pass
3**	2657.996	33.62	--	--	AV	272.00	200	Vertical	Pass
4	3799.529	45.28	74.0	28.72	Peak	149.00	400	Vertical	Pass
4**	3799.529	39.31	54.0	14.69	AV	149.00	400	Vertical	Pass
5	7601.622	51.98	74.0	22.02	Peak	224.00	300	Vertical	Pass
5**	7601.622	45.25	54.0	8.75	AV	224.00	300	Vertical	Pass
6	17418.797	57.45	74.0	16.55	Peak	357.00	100	Vertical	Pass
6**	17418.797	45.90	54.0	8.10	AV	357.00	100	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	1444.776	42.23	74.0	31.77	Peak	85.00	200	Horizontal	Pass
1**	1444.776	40.84	54.0	13.16	AV	85.00	200	Horizontal	Pass
2	4151.811	45.79	74.0	28.21	Peak	295.00	100	Horizontal	Pass
2**	4151.811	36.69	54.0	17.31	AV	295.00	100	Horizontal	Pass
3	7370.232	52.60	74.0	21.40	Peak	75.00	200	Horizontal	Pass
3**	7370.232	44.59	54.0	9.41	AV	75.00	200	Horizontal	Pass
4	12464.146	55.70	74.0	18.30	Peak	100.00	400	Horizontal	Pass
4**	12464.146	47.05	54.0	6.95	AV	100.00	400	Horizontal	Pass
5	15882.118	54.28	74.0	19.72	Peak	223.00	200	Horizontal	Pass
5**	15882.118	41.88	54.0	12.12	AV	223.00	200	Horizontal	Pass
6	17420.526	56.23	74.0	17.77	Peak	9.00	300	Horizontal	Pass
6**	17420.526	44.81	54.0	9.19	AV	9.00	300	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	1331.704	47.31	74.0	26.69	Peak	72.00	300	Vertical	Pass
1**	1331.704	33.96	54.0	20.04	AV	72.00	300	Vertical	Pass
2	1442.706	41.46	74.0	32.54	Peak	283.00	100	Vertical	Pass
2**	1442.706	37.67	54.0	16.33	AV	283.00	100	Vertical	Pass
3	2656.676	46.09	68.2	22.11	Peak	39.00	200	Vertical	Pass
3**	2656.676	34.36	--	--	AV	39.00	200	Vertical	Pass
4	3796.805	46.32	74.0	27.68	Peak	100.00	300	Vertical	Pass
4**	3796.805	37.26	54.0	16.74	AV	100.00	300	Vertical	Pass
5	7603.662	50.97	74.0	23.03	Peak	30.00	400	Vertical	Pass
5**	7603.662	45.43	54.0	8.57	AV	30.00	400	Vertical	Pass
6	17423.334	53.73	74.0	20.27	Peak	194.00	200	Vertical	Pass
6**	17423.334	47.11	54.0	6.89	AV	194.00	200	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	1439.731	46.69	74.0	27.31	Peak	348.00	100	Horizontal	Pass
1**	1439.731	38.69	54.0	15.31	AV	348.00	100	Horizontal	Pass
2	4147.912	49.55	74.0	24.45	Peak	341.00	300	Horizontal	Pass
2**	4147.912	37.46	54.0	16.54	AV	341.00	300	Horizontal	Pass
3	7367.346	53.53	74.0	20.47	Peak	83.00	200	Horizontal	Pass
3**	7367.346	43.02	54.0	10.98	AV	83.00	200	Horizontal	Pass
4	12467.598	51.91	74.0	22.09	Peak	104.00	100	Horizontal	Pass
4**	12467.598	42.05	54.0	11.95	AV	104.00	100	Horizontal	Pass
5	15881.097	55.25	74.0	18.75	Peak	327.00	200	Horizontal	Pass
5**	15881.097	46.27	54.0	7.73	AV	327.00	200	Horizontal	Pass
6	17419.751	57.31	74.0	16.69	Peak	209.00	100	Horizontal	Pass
6**	17419.751	49.18	54.0	4.82	AV	209.00	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	1332.098	42.36	74.0	31.64	Peak	246.00	200	Vertical	Pass
1**	1332.098	36.16	54.0	17.84	AV	246.00	200	Vertical	Pass
2	1442.891	44.80	74.0	29.20	Peak	277.00	100	Vertical	Pass
2**	1442.891	39.41	54.0	14.59	AV	277.00	100	Vertical	Pass
3	2657.368	44.17	68.2	24.03	Peak	113.00	200	Vertical	Pass
3**	2657.368	32.35	--	--	AV	113.00	200	Vertical	Pass
4	3798.377	45.25	74.0	28.75	Peak	28.00	300	Vertical	Pass
4**	3798.377	35.07	54.0	18.93	AV	28.00	300	Vertical	Pass
5	7601.409	55.67	74.0	18.33	Peak	164.00	400	Vertical	Pass
5**	7601.409	46.64	54.0	7.36	AV	164.00	400	Vertical	Pass
6	17421.337	56.14	74.0	17.86	Peak	180.00	400	Vertical	Pass
6**	17421.337	47.44	54.0	6.56	AV	180.00	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	1444.002	42.12	74.0	31.88	Peak	209.00	100	Horizontal	Pass
1**	1444.002	36.88	54.0	17.12	AV	209.00	100	Horizontal	Pass
2	4148.041	46.05	74.0	27.95	Peak	318.00	200	Horizontal	Pass
2**	4148.041	38.40	54.0	15.60	AV	318.00	200	Horizontal	Pass
3	7367.928	50.48	74.0	23.52	Peak	4.00	200	Horizontal	Pass
3**	7367.928	41.96	54.0	12.04	AV	4.00	200	Horizontal	Pass
4	12462.654	52.53	74.0	21.47	Peak	223.00	300	Horizontal	Pass
4**	12462.654	47.39	54.0	6.61	AV	223.00	300	Horizontal	Pass
5	15880.953	52.48	74.0	21.52	Peak	170.00	200	Horizontal	Pass
5**	15880.953	47.10	54.0	6.90	AV	170.00	200	Horizontal	Pass
6	17418.554	58.40	74.0	15.60	Peak	35.00	100	Horizontal	Pass
6**	17418.554	46.32	54.0	7.68	AV	35.00	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	1333.149	44.80	74.0	29.20	Peak	91.00	200	Vertical	Pass
1**	1333.149	33.24	54.0	20.76	AV	91.00	200	Vertical	Pass
2	1439.529	40.40	74.0	33.60	Peak	79.00	200	Vertical	Pass
2**	1439.529	37.78	54.0	16.22	AV	79.00	200	Vertical	Pass
3	2657.540	47.30	68.2	20.90	Peak	315.00	200	Vertical	Pass
3**	2657.540	32.62	--	--	AV	315.00	200	Vertical	Pass
4	3798.336	47.80	74.0	26.20	Peak	56.00	400	Vertical	Pass
4**	3798.336	38.97	54.0	15.03	AV	56.00	400	Vertical	Pass
5	7601.746	54.64	74.0	19.36	Peak	288.00	300	Vertical	Pass
5**	7601.746	45.75	54.0	8.25	AV	288.00	300	Vertical	Pass
6	17415.917	56.42	74.0	17.58	Peak	167.00	200	Vertical	Pass
6**	17415.917	49.64	54.0	4.36	AV	167.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.601	44.55	74.0	29.45	Peak	189.00	200	Horizontal	Pass
1**	1439.601	41.75	54.0	12.25	AV	189.00	200	Horizontal	Pass
2	4151.586	46.10	74.0	27.90	Peak	254.00	100	Horizontal	Pass
2**	4151.586	36.43	54.0	17.57	AV	254.00	100	Horizontal	Pass
3	7369.901	52.55	74.0	21.45	Peak	196.00	200	Horizontal	Pass
3**	7369.901	45.88	54.0	8.12	AV	196.00	200	Horizontal	Pass
4	12465.359	54.01	74.0	19.99	Peak	330.00	200	Horizontal	Pass
4**	12465.359	41.80	54.0	12.20	AV	330.00	200	Horizontal	Pass
5	15884.824	54.38	74.0	19.62	Peak	187.00	200	Horizontal	Pass
5**	15884.824	45.60	54.0	8.40	AV	187.00	200	Horizontal	Pass
6	17422.908	54.57	74.0	19.43	Peak	56.00	400	Horizontal	Pass
6**	17422.908	48.06	54.0	5.94	AV	56.00	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	1334.903	46.21	74.0	27.79	Peak	333.00	100	Vertical	Pass
1**	1334.903	34.06	54.0	19.94	AV	333.00	100	Vertical	Pass
2	1441.625	40.13	74.0	33.87	Peak	126.00	400	Vertical	Pass
2**	1441.625	39.42	54.0	14.58	AV	126.00	400	Vertical	Pass
3	2659.182	46.91	68.2	21.29	Peak	276.00	200	Vertical	Pass
3**	2659.182	36.43	--	--	AV	276.00	200	Vertical	Pass
4	3800.420	48.56	74.0	25.44	Peak	137.00	400	Vertical	Pass
4**	3800.420	38.58	54.0	15.42	AV	137.00	400	Vertical	Pass
5	7602.149	50.83	74.0	23.17	Peak	99.00	100	Vertical	Pass
5**	7602.149	47.28	54.0	6.72	AV	99.00	100	Vertical	Pass
6	17415.900	54.19	74.0	19.81	Peak	108.00	400	Vertical	Pass
6**	17415.900	48.28	54.0	5.72	AV	108.00	400	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	1438.040	45.03	74.0	28.97	Peak	326.00	100	Horizontal	Pass
1**	1438.040	40.08	54.0	13.92	AV	326.00	100	Horizontal	Pass
2	4152.178	48.19	74.0	25.81	Peak	87.00	300	Horizontal	Pass
2**	4152.178	37.22	54.0	16.78	AV	87.00	300	Horizontal	Pass
3	7369.264	50.42	74.0	23.58	Peak	357.00	200	Horizontal	Pass
3**	7369.264	45.87	54.0	8.13	AV	357.00	200	Horizontal	Pass
4	12467.560	52.63	74.0	21.37	Peak	174.00	400	Horizontal	Pass
4**	12467.560	45.26	54.0	8.74	AV	174.00	400	Horizontal	Pass
5	15882.505	52.88	74.0	21.12	Peak	350.00	100	Horizontal	Pass
5**	15882.505	45.94	54.0	8.06	AV	350.00	100	Horizontal	Pass
6	17419.846	58.77	74.0	15.23	Peak	94.00	300	Horizontal	Pass
6**	17419.846	47.85	54.0	6.15	AV	94.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.134	45.57	74.0	28.43	Peak	149.00	200	Vertical	Pass
1**	1330.134	34.72	54.0	19.28	AV	149.00	200	Vertical	Pass
2	1441.542	41.35	74.0	32.65	Peak	317.00	300	Vertical	Pass
2**	1441.542	38.58	54.0	15.42	AV	317.00	300	Vertical	Pass
3	2660.721	43.53	68.2	24.67	Peak	75.00	200	Vertical	Pass
3**	2660.721	35.74	--	--	AV	75.00	200	Vertical	Pass
4	3798.501	44.69	74.0	29.31	Peak	191.00	400	Vertical	Pass
4**	3798.501	37.14	54.0	16.86	AV	191.00	400	Vertical	Pass
5	7603.804	52.56	74.0	21.44	Peak	182.00	400	Vertical	Pass
5**	7603.804	47.68	54.0	6.32	AV	182.00	400	Vertical	Pass
6	17418.115	55.43	74.0	18.57	Peak	185.00	100	Vertical	Pass
6**	17418.115	48.71	54.0	5.29	AV	185.00	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	1438.967	45.15	74.0	28.85	Peak	348.00	100	Horizontal	Pass
1**	1438.967	39.13	54.0	14.87	AV	348.00	100	Horizontal	Pass
2	4150.511	46.39	74.0	27.61	Peak	13.00	300	Horizontal	Pass
2**	4150.511	39.40	54.0	14.60	AV	13.00	300	Horizontal	Pass
3	7368.639	53.02	74.0	20.98	Peak	108.00	200	Horizontal	Pass
3**	7368.639	40.85	54.0	13.15	AV	108.00	200	Horizontal	Pass
4	12463.572	54.42	74.0	19.58	Peak	274.00	300	Horizontal	Pass
4**	12463.572	44.14	54.0	9.86	AV	274.00	300	Horizontal	Pass
5	15879.309	54.18	74.0	19.82	Peak	196.00	400	Horizontal	Pass
5**	15879.309	43.37	54.0	10.63	AV	196.00	400	Horizontal	Pass
6	17423.520	54.32	74.0	19.68	Peak	304.00	400	Horizontal	Pass
6**	17423.520	47.82	54.0	6.18	AV	304.00	400	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	1336.728	43.50	74.0	30.50	Peak	122.00	200	Vertical	Pass
1**	1336.728	34.37	54.0	19.63	AV	122.00	200	Vertical	Pass
2	1441.361	44.09	74.0	29.91	Peak	334.00	100	Vertical	Pass
2**	1441.361	39.08	54.0	14.92	AV	334.00	100	Vertical	Pass
3	2656.938	44.98	68.2	23.22	Peak	22.00	200	Vertical	Pass
3**	2656.938	35.40	--	--	AV	22.00	200	Vertical	Pass
4	3798.154	44.99	74.0	29.01	Peak	245.00	200	Vertical	Pass
4**	3798.154	38.02	54.0	15.98	AV	245.00	200	Vertical	Pass
5	7604.633	53.06	74.0	20.94	Peak	196.00	400	Vertical	Pass
5**	7604.633	41.91	54.0	12.09	AV	196.00	400	Vertical	Pass
6	17418.786	54.64	74.0	19.36	Peak	64.00	100	Vertical	Pass
6**	17418.786	47.91	54.0	6.09	AV	64.00	100	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	1438.352	43.55	74.0	30.45	Peak	282.00	200	Horizontal	Pass
1**	1438.352	36.91	54.0	17.09	AV	282.00	200	Horizontal	Pass
2	4147.631	45.37	74.0	28.63	Peak	249.00	400	Horizontal	Pass
2**	4147.631	38.70	54.0	15.30	AV	249.00	400	Horizontal	Pass
3	7366.299	51.82	74.0	22.18	Peak	297.00	200	Horizontal	Pass
3**	7366.299	41.32	54.0	12.68	AV	297.00	200	Horizontal	Pass
4	12465.769	52.93	74.0	21.07	Peak	47.00	100	Horizontal	Pass
4**	12465.769	44.48	54.0	9.52	AV	47.00	100	Horizontal	Pass
5	15879.283	54.90	74.0	19.10	Peak	49.00	300	Horizontal	Pass
5**	15879.283	46.08	54.0	7.92	AV	49.00	300	Horizontal	Pass
6	17417.413	56.10	74.0	17.90	Peak	55.00	200	Horizontal	Pass
6**	17417.413	48.80	54.0	5.20	AV	55.00	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	1334.402	43.86	74.0	30.14	Peak	239.00	100	Vertical	Pass
1**	1334.402	34.30	54.0	19.70	AV	239.00	100	Vertical	Pass
2	1441.337	44.43	74.0	29.57	Peak	53.00	400	Vertical	Pass
2**	1441.337	36.68	54.0	17.32	AV	53.00	400	Vertical	Pass
3	2657.936	43.63	68.2	24.57	Peak	256.00	200	Vertical	Pass
3**	2657.936	36.42	--	--	AV	256.00	200	Vertical	Pass
4	3799.286	49.18	74.0	24.82	Peak	11.00	100	Vertical	Pass
4**	3799.286	37.38	54.0	16.62	AV	11.00	100	Vertical	Pass
5	7602.858	54.26	74.0	19.74	Peak	301.00	200	Vertical	Pass
5**	7602.858	45.77	54.0	8.23	AV	301.00	200	Vertical	Pass
6	17416.511	58.32	74.0	15.68	Peak	79.00	300	Vertical	Pass
6**	17416.511	48.73	54.0	5.27	AV	79.00	300	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	1441.391	47.05	74.0	26.95	Peak	72.00	400	Horizontal	Pass
1**	1441.391	41.30	54.0	12.70	AV	72.00	400	Horizontal	Pass
2	4151.400	45.16	74.0	28.84	Peak	344.00	400	Horizontal	Pass
2**	4151.400	35.32	54.0	18.68	AV	344.00	400	Horizontal	Pass
3	7370.972	54.15	74.0	19.85	Peak	203.00	200	Horizontal	Pass
3**	7370.972	40.97	54.0	13.03	AV	203.00	200	Horizontal	Pass
4	12460.661	53.34	74.0	20.66	Peak	312.00	400	Horizontal	Pass
4**	12460.661	44.28	54.0	9.72	AV	312.00	400	Horizontal	Pass
5	15883.304	50.80	74.0	23.20	Peak	79.00	100	Horizontal	Pass
5**	15883.304	41.37	54.0	12.63	AV	79.00	100	Horizontal	Pass
6	17419.652	57.94	74.0	16.06	Peak	157.00	200	Horizontal	Pass
6**	17419.652	48.54	54.0	5.46	AV	157.00	200	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	1333.225	44.26	74.0	29.74	Peak	57.00	400	Vertical	Pass
1**	1333.225	33.48	54.0	20.52	AV	57.00	400	Vertical	Pass
2	1442.088	39.66	74.0	34.34	Peak	45.00	100	Vertical	Pass
2**	1442.088	38.66	54.0	15.34	AV	45.00	100	Vertical	Pass
3	2658.111	43.55	68.2	24.65	Peak	275.00	200	Vertical	Pass
3**	2658.111	35.80	--	--	AV	275.00	200	Vertical	Pass
4	3800.537	46.66	74.0	27.34	Peak	347.00	400	Vertical	Pass
4**	3800.537	39.22	54.0	14.78	AV	347.00	400	Vertical	Pass
5	7601.036	55.30	74.0	18.70	Peak	287.00	300	Vertical	Pass
5**	7601.036	42.28	54.0	11.72	AV	287.00	300	Vertical	Pass
6	17418.936	56.01	74.0	17.99	Peak	0.00	100	Vertical	Pass
6**	17418.936	46.59	54.0	7.41	AV	0.00	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	1437.777	42.62	74.0	31.38	Peak	259.00	300	Horizontal	Pass
1**	1437.777	36.13	54.0	17.87	AV	259.00	300	Horizontal	Pass
2	4149.366	48.08	74.0	25.92	Peak	306.00	400	Horizontal	Pass
2**	4149.366	40.35	54.0	13.65	AV	306.00	400	Horizontal	Pass
3	7366.403	53.86	74.0	20.14	Peak	181.00	200	Horizontal	Pass
3**	7366.403	43.07	54.0	10.93	AV	181.00	200	Horizontal	Pass
4	12467.770	51.95	74.0	22.05	Peak	240.00	200	Horizontal	Pass
4**	12467.770	44.97	54.0	9.03	AV	240.00	200	Horizontal	Pass
5	15879.560	54.44	74.0	19.56	Peak	343.00	100	Horizontal	Pass
5**	15879.560	43.54	54.0	10.46	AV	343.00	100	Horizontal	Pass
6	17421.677	57.30	74.0	16.70	Peak	25.00	300	Horizontal	Pass
6**	17421.677	48.45	54.0	5.55	AV	25.00	300	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	1333.367	44.69	74.0	29.31	Peak	313.00	200	Vertical	Pass
1**	1333.367	34.49	54.0	19.51	AV	313.00	200	Vertical	Pass
2	1436.704	44.86	74.0	29.14	Peak	45.00	100	Vertical	Pass
2**	1436.704	34.49	54.0	19.51	AV	45.00	100	Vertical	Pass
3	2657.699	47.91	68.2	20.29	Peak	245.00	200	Vertical	Pass
3**	2657.699	36.47	--	--	AV	245.00	200	Vertical	Pass
4	3796.910	45.87	74.0	28.13	Peak	205.00	200	Vertical	Pass
4**	3796.910	38.83	54.0	15.17	AV	205.00	200	Vertical	Pass
5	7603.852	54.57	74.0	19.43	Peak	359.00	200	Vertical	Pass
5**	7603.852	44.58	54.0	9.42	AV	359.00	200	Vertical	Pass
6	17422.937	53.87	74.0	20.13	Peak	18.00	100	Vertical	Pass
6**	17422.937	48.79	54.0	5.21	AV	18.00	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	1440.013	42.04	74.0	31.96	Peak	295.00	400	Horizontal	Pass
1**	1440.013	37.37	54.0	16.63	AV	295.00	400	Horizontal	Pass
2	4147.391	48.95	74.0	25.05	Peak	183.00	100	Horizontal	Pass
2**	4147.391	38.37	54.0	15.63	AV	183.00	100	Horizontal	Pass
3	7366.988	51.69	74.0	22.31	Peak	76.00	200	Horizontal	Pass
3**	7366.988	45.40	54.0	8.60	AV	76.00	200	Horizontal	Pass
4	12466.303	50.82	74.0	23.18	Peak	19.00	300	Horizontal	Pass
4**	12466.303	45.54	54.0	8.46	AV	19.00	300	Horizontal	Pass
5	15879.749	53.91	74.0	20.09	Peak	209.00	100	Horizontal	Pass
5**	15879.749	46.72	54.0	7.28	AV	209.00	100	Horizontal	Pass
6	17418.243	57.76	74.0	16.24	Peak	309.00	200	Horizontal	Pass
6**	17418.243	49.37	54.0	4.63	AV	309.00	200	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	1332.105	46.88	74.0	27.12	Peak	331.00	400	Vertical	Pass
1**	1332.105	32.26	54.0	21.74	AV	331.00	400	Vertical	Pass
2	1438.665	43.71	74.0	30.29	Peak	331.00	400	Vertical	Pass
2**	1438.665	38.78	54.0	15.22	AV	331.00	400	Vertical	Pass
3	2656.992	43.13	68.2	25.07	Peak	185.00	200	Vertical	Pass
3**	2656.992	36.26	--	--	AV	185.00	200	Vertical	Pass
4	3802.671	43.81	74.0	30.19	Peak	144.00	400	Vertical	Pass
4**	3802.671	38.32	54.0	15.68	AV	144.00	400	Vertical	Pass
5	7597.670	54.64	74.0	19.36	Peak	340.00	100	Vertical	Pass
5**	7597.670	43.45	54.0	10.55	AV	340.00	100	Vertical	Pass
6	17417.371	54.79	74.0	19.21	Peak	336.00	400	Vertical	Pass
6**	17417.371	46.51	54.0	7.49	AV	336.00	400	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	1437.863	42.77	74.0	31.23	Peak	167.00	300	Horizontal	Pass
1**	1437.863	38.67	54.0	15.33	AV	167.00	300	Horizontal	Pass
2	4145.507	44.71	74.0	29.29	Peak	35.00	300	Horizontal	Pass
2**	4145.507	39.78	54.0	14.22	AV	35.00	300	Horizontal	Pass
3	7366.048	54.30	74.0	19.70	Peak	149.00	200	Horizontal	Pass
3**	7366.048	44.19	54.0	9.81	AV	149.00	200	Horizontal	Pass
4	12464.734	51.42	74.0	22.58	Peak	1.00	100	Horizontal	Pass
4**	12464.734	45.35	54.0	8.65	AV	1.00	100	Horizontal	Pass
5	15877.390	52.93	74.0	21.07	Peak	85.00	200	Horizontal	Pass
5**	15877.390	42.07	54.0	11.93	AV	85.00	200	Horizontal	Pass
6	17420.329	58.36	74.0	15.64	Peak	354.00	100	Horizontal	Pass
6**	17420.329	49.66	54.0	4.34	AV	354.00	100	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	1333.179	46.47	74.0	27.53	Peak	32.00	300	Vertical	Pass
1**	1333.179	31.40	54.0	22.60	AV	32.00	300	Vertical	Pass
2	1438.809	39.20	74.0	34.80	Peak	16.00	300	Vertical	Pass
2**	1438.809	34.07	54.0	19.93	AV	16.00	300	Vertical	Pass
3	2656.486	42.63	68.2	25.57	Peak	273.00	200	Vertical	Pass
3**	2656.486	35.59	--	--	AV	273.00	200	Vertical	Pass
4	3802.023	46.93	74.0	27.07	Peak	331.00	100	Vertical	Pass
4**	3802.023	37.61	54.0	16.39	AV	331.00	100	Vertical	Pass
5	7604.482	53.66	74.0	20.34	Peak	102.00	300	Vertical	Pass
5**	7604.482	42.32	54.0	11.68	AV	102.00	300	Vertical	Pass
6	17418.503	57.84	74.0	16.16	Peak	266.00	300	Vertical	Pass
6**	17418.503	45.86	54.0	8.14	AV	266.00	300	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	1438.828	45.90	74.0	28.10	Peak	235.00	300	Horizontal	Pass
1**	1438.828	40.31	54.0	13.69	AV	235.00	300	Horizontal	Pass
2	4145.078	45.97	74.0	28.03	Peak	119.00	300	Horizontal	Pass
2**	4145.078	37.18	54.0	16.82	AV	119.00	300	Horizontal	Pass
3	7370.378	53.89	74.0	20.11	Peak	4.00	200	Horizontal	Pass
3**	7370.378	41.70	54.0	12.30	AV	4.00	200	Horizontal	Pass
4	12463.395	52.63	74.0	21.37	Peak	97.00	200	Horizontal	Pass
4**	12463.395	41.73	54.0	12.27	AV	97.00	200	Horizontal	Pass
5	15879.813	54.25	74.0	19.75	Peak	91.00	100	Horizontal	Pass
5**	15879.813	45.33	54.0	8.67	AV	91.00	100	Horizontal	Pass
6	17423.285	55.14	74.0	18.86	Peak	328.00	100	Horizontal	Pass
6**	17423.285	49.50	54.0	4.50	AV	328.00	100	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	1333.650	43.14	74.0	30.86	Peak	197.00	100	Vertical	Pass
1**	1333.650	31.41	54.0	22.59	AV	197.00	100	Vertical	Pass
2	1442.800	44.03	74.0	29.97	Peak	291.00	300	Vertical	Pass
2**	1442.800	38.65	54.0	15.35	AV	291.00	300	Vertical	Pass
3	2657.759	45.99	68.2	22.21	Peak	252.00	200	Vertical	Pass
3**	2657.759	32.51	--	--	AV	252.00	200	Vertical	Pass
4	3796.552	47.59	74.0	26.41	Peak	252.00	200	Vertical	Pass
4**	3796.552	36.28	54.0	17.72	AV	252.00	200	Vertical	Pass
5	7599.660	51.49	74.0	22.51	Peak	38.00	100	Vertical	Pass
5**	7599.660	41.83	54.0	12.17	AV	38.00	100	Vertical	Pass
6	17421.587	57.08	74.0	16.92	Peak	290.00	200	Vertical	Pass
6**	17421.587	45.44	54.0	8.56	AV	290.00	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	1444.006	45.47	74.0	28.53	Peak	310.00	400	Horizontal	Pass
1**	1444.006	37.71	54.0	16.29	AV	310.00	400	Horizontal	Pass
2	4146.255	49.68	74.0	24.32	Peak	158.00	100	Horizontal	Pass
2**	4146.255	35.46	54.0	18.54	AV	158.00	100	Horizontal	Pass
3	7372.029	51.56	74.0	22.44	Peak	18.00	200	Horizontal	Pass
3**	7372.029	41.37	54.0	12.63	AV	18.00	200	Horizontal	Pass
4	12463.057	53.69	74.0	20.31	Peak	109.00	100	Horizontal	Pass
4**	12463.057	47.58	54.0	6.42	AV	109.00	100	Horizontal	Pass
5	15881.269	52.46	74.0	21.54	Peak	172.00	100	Horizontal	Pass
5**	15881.269	46.64	54.0	7.36	AV	172.00	100	Horizontal	Pass
6	17421.361	54.55	74.0	19.45	Peak	49.00	200	Horizontal	Pass
6**	17421.361	47.42	54.0	6.58	AV	49.00	200	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	1332.341	42.05	74.0	31.95	Peak	152.00	100	Vertical	Pass
1**	1332.341	31.55	54.0	22.45	AV	152.00	100	Vertical	Pass
2	1438.850	42.40	74.0	31.60	Peak	351.00	100	Vertical	Pass
2**	1438.850	40.02	54.0	13.98	AV	351.00	100	Vertical	Pass
3	2657.847	42.67	68.2	25.53	Peak	263.00	200	Vertical	Pass
3**	2657.847	36.92	--	--	AV	263.00	200	Vertical	Pass
4	3800.835	46.68	74.0	27.32	Peak	110.00	300	Vertical	Pass
4**	3800.835	40.13	54.0	13.87	AV	110.00	300	Vertical	Pass
5	7602.231	54.97	74.0	19.03	Peak	353.00	300	Vertical	Pass
5**	7602.231	41.84	54.0	12.16	AV	353.00	300	Vertical	Pass
6	17419.848	54.44	74.0	19.56	Peak	80.00	300	Vertical	Pass
6**	17419.848	50.01	54.0	3.99	AV	80.00	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	1444.790	46.74	74.0	27.26	Peak	218.00	100	Horizontal	Pass
1**	1444.790	40.43	54.0	13.57	AV	218.00	100	Horizontal	Pass
2	4151.573	47.93	74.0	26.07	Peak	253.00	200	Horizontal	Pass
2**	4151.573	37.44	54.0	16.56	AV	253.00	200	Horizontal	Pass
3	7366.524	52.20	74.0	21.80	Peak	274.00	200	Horizontal	Pass
3**	7366.524	45.12	54.0	8.88	AV	274.00	200	Horizontal	Pass
4	12460.372	52.65	74.0	21.35	Peak	23.00	100	Horizontal	Pass
4**	12460.372	42.58	54.0	11.42	AV	23.00	100	Horizontal	Pass
5	15878.580	53.16	74.0	20.84	Peak	65.00	100	Horizontal	Pass
5**	15878.580	43.74	54.0	10.26	AV	65.00	100	Horizontal	Pass
6	17420.942	54.53	74.0	19.47	Peak	113.00	300	Horizontal	Pass
6**	17420.942	49.17	54.0	4.83	AV	113.00	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	1330.214	45.81	74.0	28.19	Peak	248.00	100	Vertical	Pass
1**	1330.214	33.72	54.0	20.28	AV	248.00	100	Vertical	Pass
2	1443.085	39.35	74.0	34.65	Peak	43.00	400	Vertical	Pass
2**	1443.085	39.91	54.0	14.09	AV	43.00	400	Vertical	Pass
3	2654.004	43.00	68.2	25.20	Peak	304.00	200	Vertical	Pass
3**	2654.004	35.49	--	--	AV	304.00	200	Vertical	Pass
4	3797.054	48.00	74.0	26.00	Peak	77.00	100	Vertical	Pass
4**	3797.054	34.97	54.0	19.03	AV	77.00	100	Vertical	Pass
5	7599.990	52.77	74.0	21.23	Peak	133.00	100	Vertical	Pass
5**	7599.990	44.42	54.0	9.58	AV	133.00	100	Vertical	Pass
6	17421.290	57.99	74.0	16.01	Peak	120.00	100	Vertical	Pass
6**	17421.290	49.84	54.0	4.16	AV	120.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.172	42.30	74.0	31.70	Peak	245.00	100	Horizontal	Pass
1**	1440.172	39.15	54.0	14.85	AV	245.00	100	Horizontal	Pass
2	4145.921	44.75	74.0	29.25	Peak	22.00	100	Horizontal	Pass
2**	4145.921	39.76	54.0	14.24	AV	22.00	100	Horizontal	Pass
3	7369.141	51.04	74.0	22.96	Peak	140.00	200	Horizontal	Pass
3**	7369.141	45.20	54.0	8.80	AV	140.00	200	Horizontal	Pass
4	12461.666	55.40	74.0	18.60	Peak	160.00	100	Horizontal	Pass
4**	12461.666	43.00	54.0	11.00	AV	160.00	100	Horizontal	Pass
5	15884.022	53.14	74.0	20.86	Peak	98.00	300	Horizontal	Pass
5**	15884.022	43.74	54.0	10.26	AV	98.00	300	Horizontal	Pass
6	17422.797	54.28	74.0	19.72	Peak	28.00	400	Horizontal	Pass
6**	17422.797	44.67	54.0	9.33	AV	28.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.446	44.64	74.0	29.36	Peak	163.00	400	Vertical	Pass
1**	1331.446	31.90	54.0	22.10	AV	163.00	400	Vertical	Pass
2	1436.764	39.21	74.0	34.79	Peak	138.00	200	Vertical	Pass
2**	1436.764	37.20	54.0	16.80	AV	138.00	200	Vertical	Pass
3	2653.351	43.63	68.2	24.57	Peak	193.00	200	Vertical	Pass
3**	2653.351	36.78	--	--	AV	193.00	200	Vertical	Pass
4	3799.583	46.69	74.0	27.31	Peak	152.00	200	Vertical	Pass
4**	3799.583	39.17	54.0	14.83	AV	152.00	200	Vertical	Pass
5	7603.614	51.84	74.0	22.16	Peak	43.00	100	Vertical	Pass
5**	7603.614	44.79	54.0	9.21	AV	43.00	100	Vertical	Pass
6	17418.996	54.24	74.0	19.76	Peak	115.00	400	Vertical	Pass
6**	17418.996	45.51	54.0	8.49	AV	115.00	400	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	1441.628	46.82	74.0	27.18	Peak	168.00	300	Horizontal	Pass
1**	1441.628	39.42	54.0	14.58	AV	168.00	300	Horizontal	Pass
2	4147.793	44.74	74.0	29.26	Peak	207.00	400	Horizontal	Pass
2**	4147.793	35.84	54.0	18.16	AV	207.00	400	Horizontal	Pass
3	7366.229	54.47	74.0	19.53	Peak	319.00	200	Horizontal	Pass
3**	7366.229	45.01	54.0	8.99	AV	319.00	200	Horizontal	Pass
4	12461.390	52.07	74.0	21.93	Peak	360.00	400	Horizontal	Pass
4**	12461.390	45.19	54.0	8.81	AV	360.00	400	Horizontal	Pass
5	15883.420	55.57	74.0	18.43	Peak	87.00	200	Horizontal	Pass
5**	15883.420	46.92	54.0	7.08	AV	87.00	200	Horizontal	Pass
6	17418.534	54.97	74.0	19.03	Peak	293.00	300	Horizontal	Pass
6**	17418.534	47.94	54.0	6.06	AV	293.00	300	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	1335.517	46.09	74.0	27.91	Peak	54.00	200	Vertical	Pass
1**	1335.517	34.18	54.0	19.82	AV	54.00	200	Vertical	Pass
2	1441.453	39.69	74.0	34.31	Peak	229.00	100	Vertical	Pass
2**	1441.453	34.53	54.0	19.47	AV	229.00	100	Vertical	Pass
3	2655.910	46.64	68.2	21.56	Peak	215.00	200	Vertical	Pass
3**	2655.910	33.46	--	--	AV	215.00	200	Vertical	Pass
4	3797.748	48.62	74.0	25.38	Peak	102.00	300	Vertical	Pass
4**	3797.748	39.84	54.0	14.16	AV	102.00	300	Vertical	Pass
5	7597.279	52.10	74.0	21.90	Peak	182.00	300	Vertical	Pass
5**	7597.279	43.75	54.0	10.25	AV	182.00	300	Vertical	Pass
6	17420.843	57.87	74.0	16.13	Peak	338.00	100	Vertical	Pass
6**	17420.843	49.29	54.0	4.71	AV	338.00	100	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	1438.647	44.97	74.0	29.03	Peak	70.00	400	Horizontal	Pass
1**	1438.647	38.98	54.0	15.02	AV	70.00	400	Horizontal	Pass
2	4147.359	49.93	74.0	24.07	Peak	97.00	400	Horizontal	Pass
2**	4147.359	36.89	54.0	17.11	AV	97.00	400	Horizontal	Pass
3	7364.923	50.80	74.0	23.20	Peak	57.00	200	Horizontal	Pass
3**	7364.923	46.32	54.0	7.68	AV	57.00	200	Horizontal	Pass
4	12465.687	52.04	74.0	21.96	Peak	130.00	400	Horizontal	Pass
4**	12465.687	41.84	54.0	12.16	AV	130.00	400	Horizontal	Pass
5	15878.979	56.50	74.0	17.50	Peak	187.00	200	Horizontal	Pass
5**	15878.979	42.69	54.0	11.31	AV	187.00	200	Horizontal	Pass
6	17416.859	54.30	74.0	19.70	Peak	149.00	400	Horizontal	Pass
6**	17416.859	46.82	54.0	7.18	AV	149.00	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	1331.752	45.27	74.0	28.73	Peak	287.00	400	Vertical	Pass
1**	1331.752	35.93	54.0	18.07	AV	287.00	400	Vertical	Pass
2	1443.453	42.96	74.0	31.04	Peak	133.00	300	Vertical	Pass
2**	1443.453	36.04	54.0	17.96	AV	133.00	300	Vertical	Pass
3	2657.511	42.80	68.2	25.40	Peak	352.00	200	Vertical	Pass
3**	2657.511	33.30	--	--	AV	352.00	200	Vertical	Pass
4	3796.326	45.22	74.0	28.78	Peak	76.00	400	Vertical	Pass
4**	3796.326	39.93	54.0	14.07	AV	76.00	400	Vertical	Pass
5	7601.327	50.99	74.0	23.01	Peak	97.00	100	Vertical	Pass
5**	7601.327	42.34	54.0	11.66	AV	97.00	100	Vertical	Pass
6	17419.178	53.08	74.0	20.92	Peak	326.00	100	Vertical	Pass
6**	17419.178	44.54	54.0	9.46	AV	326.00	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	1438.711	45.40	74.0	28.60	Peak	303.00	200	Horizontal	Pass
1**	1438.711	39.94	54.0	14.06	AV	303.00	200	Horizontal	Pass
2	4150.907	44.77	74.0	29.23	Peak	225.00	400	Horizontal	Pass
2**	4150.907	38.23	54.0	15.77	AV	225.00	400	Horizontal	Pass
3	7365.042	54.48	74.0	19.52	Peak	142.00	200	Horizontal	Pass
3**	7365.042	44.40	54.0	9.60	AV	142.00	200	Horizontal	Pass
4	12464.340	56.51	74.0	17.49	Peak	201.00	400	Horizontal	Pass
4**	12464.340	45.30	54.0	8.70	AV	201.00	400	Horizontal	Pass
5	15880.095	55.85	74.0	18.15	Peak	323.00	300	Horizontal	Pass
5**	15880.095	46.63	54.0	7.37	AV	323.00	300	Horizontal	Pass
6	17417.748	59.04	74.0	14.96	Peak	217.00	400	Horizontal	Pass
6**	17417.748	46.00	54.0	8.00	AV	217.00	400	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	1333.295	44.24	74.0	29.76	Peak	345.00	400	Vertical	Pass
1**	1333.295	32.89	54.0	21.11	AV	345.00	400	Vertical	Pass
2	1443.762	41.48	74.0	32.52	Peak	171.00	300	Vertical	Pass
2**	1443.762	38.67	54.0	15.33	AV	171.00	300	Vertical	Pass
3	2653.489	43.65	68.2	24.55	Peak	339.00	200	Vertical	Pass
3**	2653.489	35.98	--	--	AV	339.00	200	Vertical	Pass
4	3802.493	48.76	74.0	25.24	Peak	164.00	400	Vertical	Pass
4**	3802.493	38.80	54.0	15.20	AV	164.00	400	Vertical	Pass
5	7603.686	55.53	74.0	18.47	Peak	28.00	400	Vertical	Pass
5**	7603.686	44.53	54.0	9.47	AV	28.00	400	Vertical	Pass
6	17415.896	56.18	74.0	17.82	Peak	279.00	200	Vertical	Pass
6**	17415.896	48.17	54.0	5.83	AV	279.00	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	1438.779	45.13	74.0	28.87	Peak	69.00	100	Horizontal	Pass
1**	1438.779	38.97	54.0	15.03	AV	69.00	100	Horizontal	Pass
2	4149.660	47.66	74.0	26.34	Peak	286.00	300	Horizontal	Pass
2**	4149.660	36.34	54.0	17.66	AV	286.00	300	Horizontal	Pass
3	7370.496	50.88	74.0	23.12	Peak	125.00	200	Horizontal	Pass
3**	7370.496	44.44	54.0	9.56	AV	125.00	200	Horizontal	Pass
4	12467.977	54.59	74.0	19.41	Peak	236.00	100	Horizontal	Pass
4**	12467.977	46.55	54.0	7.45	AV	236.00	100	Horizontal	Pass
5	15883.641	54.58	74.0	19.42	Peak	34.00	200	Horizontal	Pass
5**	15883.641	41.94	54.0	12.06	AV	34.00	200	Horizontal	Pass
6	17416.439	57.76	74.0	16.24	Peak	45.00	100	Horizontal	Pass
6**	17416.439	46.91	54.0	7.09	AV	45.00	100	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	1332.567	43.91	74.0	30.09	Peak	29.00	200	Vertical	Pass
1**	1332.567	32.27	54.0	21.73	AV	29.00	200	Vertical	Pass
2	1436.808	39.10	74.0	34.90	Peak	275.00	300	Vertical	Pass
2**	1436.808	38.26	54.0	15.74	AV	275.00	300	Vertical	Pass
3	2658.154	45.31	68.2	22.89	Peak	3.00	200	Vertical	Pass
3**	2658.154	35.76	--	--	AV	3.00	200	Vertical	Pass
4	3796.220	43.73	74.0	30.27	Peak	89.00	200	Vertical	Pass
4**	3796.220	36.87	54.0	17.13	AV	89.00	200	Vertical	Pass
5	7603.032	54.99	74.0	19.01	Peak	260.00	100	Vertical	Pass
5**	7603.032	44.97	54.0	9.03	AV	260.00	100	Vertical	Pass
6	17418.440	56.29	74.0	17.71	Peak	87.00	200	Vertical	Pass
6**	17418.440	47.67	54.0	6.33	AV	87.00	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	1442.504	43.41	74.0	30.59	Peak	107.00	300	Horizontal	Pass
1**	1442.504	41.05	54.0	12.95	AV	107.00	300	Horizontal	Pass
2	4149.832	47.82	74.0	26.18	Peak	167.00	100	Horizontal	Pass
2**	4149.832	38.59	54.0	15.41	AV	167.00	100	Horizontal	Pass
3	7370.661	50.53	74.0	23.47	Peak	30.00	200	Horizontal	Pass
3**	7370.661	42.52	54.0	11.48	AV	30.00	200	Horizontal	Pass
4	12461.662	51.97	74.0	22.03	Peak	333.00	100	Horizontal	Pass
4**	12461.662	41.83	54.0	12.17	AV	333.00	100	Horizontal	Pass
5	15881.060	54.56	74.0	19.44	Peak	47.00	300	Horizontal	Pass
5**	15881.060	45.41	54.0	8.59	AV	47.00	300	Horizontal	Pass
6	17418.650	56.17	74.0	17.83	Peak	343.00	300	Horizontal	Pass
6**	17418.650	48.01	54.0	5.99	AV	343.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.675	44.35	74.0	29.65	Peak	74.00	200	Vertical	Pass
1**	1331.675	34.71	54.0	19.29	AV	74.00	200	Vertical	Pass
2	1439.292	41.67	74.0	32.33	Peak	7.00	100	Vertical	Pass
2**	1439.292	35.83	54.0	18.17	AV	7.00	100	Vertical	Pass
3	2660.880	43.82	68.2	24.38	Peak	314.00	200	Vertical	Pass
3**	2660.880	33.11	--	--	AV	314.00	200	Vertical	Pass
4	3795.704	46.58	74.0	27.42	Peak	325.00	200	Vertical	Pass
4**	3795.704	34.51	54.0	19.49	AV	325.00	200	Vertical	Pass
5	7603.902	50.36	74.0	23.64	Peak	227.00	200	Vertical	Pass
5**	7603.902	45.97	54.0	8.03	AV	227.00	200	Vertical	Pass
6	17418.624	56.29	74.0	17.71	Peak	10.00	400	Vertical	Pass
6**	17418.624	44.56	54.0	9.44	AV	10.00	400	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	1438.941	44.94	74.0	29.06	Peak	351.00	100	Horizontal	Pass
1**	1438.941	40.77	54.0	13.23	AV	351.00	100	Horizontal	Pass
2	4147.161	44.57	74.0	29.43	Peak	335.00	200	Horizontal	Pass
2**	4147.161	35.95	54.0	18.05	AV	335.00	200	Horizontal	Pass
3	7366.794	49.73	74.0	24.27	Peak	51.00	200	Horizontal	Pass
3**	7366.794	41.08	54.0	12.92	AV	51.00	200	Horizontal	Pass
4	12466.815	50.95	74.0	23.05	Peak	54.00	100	Horizontal	Pass
4**	12466.815	47.01	54.0	6.99	AV	54.00	100	Horizontal	Pass
5	15885.278	53.35	74.0	20.65	Peak	134.00	400	Horizontal	Pass
5**	15885.278	46.38	54.0	7.62	AV	134.00	400	Horizontal	Pass
6	17422.536	54.50	74.0	19.50	Peak	347.00	100	Horizontal	Pass
6**	17422.536	49.29	54.0	4.71	AV	347.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.984	43.94	74.0	30.06	Peak	172.00	200	Vertical	Pass
1**	1332.984	33.27	54.0	20.73	AV	172.00	200	Vertical	Pass
2	1442.674	43.79	74.0	30.21	Peak	205.00	200	Vertical	Pass
2**	1442.674	36.28	54.0	17.72	AV	205.00	200	Vertical	Pass
3	2660.615	47.83	68.2	20.37	Peak	360.00	200	Vertical	Pass
3**	2660.615	35.89	--	--	AV	360.00	200	Vertical	Pass
4	3796.059	46.57	74.0	27.43	Peak	82.00	300	Vertical	Pass
4**	3796.059	37.67	54.0	16.33	AV	82.00	300	Vertical	Pass
5	7603.280	54.55	74.0	19.45	Peak	298.00	200	Vertical	Pass
5**	7603.280	45.78	54.0	8.22	AV	298.00	200	Vertical	Pass
6	17420.646	58.57	74.0	15.43	Peak	254.00	100	Vertical	Pass
6**	17420.646	49.50	54.0	4.50	AV	254.00	100	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	1438.860	43.05	74.0	30.95	Peak	238.00	300	Horizontal	Pass
1**	1438.860	38.76	54.0	15.24	AV	238.00	300	Horizontal	Pass
2	4146.101	49.14	74.0	24.86	Peak	110.00	300	Horizontal	Pass
2**	4146.101	34.66	54.0	19.34	AV	110.00	300	Horizontal	Pass
3	7368.251	51.57	74.0	22.43	Peak	136.00	200	Horizontal	Pass
3**	7368.251	42.15	54.0	11.85	AV	136.00	200	Horizontal	Pass
4	12460.766	55.26	74.0	18.74	Peak	197.00	200	Horizontal	Pass
4**	12460.766	42.71	54.0	11.29	AV	197.00	200	Horizontal	Pass
5	15884.751	51.10	74.0	22.90	Peak	306.00	300	Horizontal	Pass
5**	15884.751	43.22	54.0	10.78	AV	306.00	300	Horizontal	Pass
6	17418.571	53.57	74.0	20.43	Peak	78.00	100	Horizontal	Pass
6**	17418.571	45.82	54.0	8.18	AV	78.00	100	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	1329.940	42.42	74.0	31.58	Peak	37.00	100	Vertical	Pass
1**	1329.940	33.39	54.0	20.61	AV	37.00	100	Vertical	Pass
2	1436.818	42.71	74.0	31.29	Peak	285.00	200	Vertical	Pass
2**	1436.818	36.24	54.0	17.76	AV	285.00	200	Vertical	Pass
3	2659.761	46.59	68.2	21.61	Peak	146.00	200	Vertical	Pass
3**	2659.761	33.50	--	--	AV	146.00	200	Vertical	Pass
4	3795.319	44.79	74.0	29.21	Peak	251.00	400	Vertical	Pass
4**	3795.319	37.78	54.0	16.22	AV	251.00	400	Vertical	Pass
5	7601.584	53.47	74.0	20.53	Peak	185.00	200	Vertical	Pass
5**	7601.584	44.15	54.0	9.85	AV	185.00	200	Vertical	Pass
6	17419.480	55.13	74.0	18.87	Peak	299.00	300	Vertical	Pass
6**	17419.480	46.68	54.0	7.32	AV	299.00	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	1440.730	44.23	74.0	29.77	Peak	130.00	200	Horizontal	Pass
1**	1440.730	39.15	54.0	14.85	AV	130.00	200	Horizontal	Pass
2	4146.954	49.23	74.0	24.77	Peak	334.00	400	Horizontal	Pass
2**	4146.954	39.95	54.0	14.05	AV	334.00	400	Horizontal	Pass
3	7367.368	49.55	74.0	24.45	Peak	69.00	200	Horizontal	Pass
3**	7367.368	41.92	54.0	12.08	AV	69.00	200	Horizontal	Pass
4	12461.737	54.79	74.0	19.21	Peak	3.00	200	Horizontal	Pass
4**	12461.737	46.55	54.0	7.45	AV	3.00	200	Horizontal	Pass
5	15878.168	55.07	74.0	18.93	Peak	242.00	400	Horizontal	Pass
5**	15878.168	42.81	54.0	11.19	AV	242.00	400	Horizontal	Pass
6	17422.321	55.15	74.0	18.85	Peak	222.00	300	Horizontal	Pass
6**	17422.321	45.93	54.0	8.07	AV	222.00	300	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	1335.855	45.75	74.0	28.25	Peak	34.00	200	Vertical	Pass
1**	1335.855	36.19	54.0	17.81	AV	34.00	200	Vertical	Pass
2	1444.273	41.44	74.0	32.56	Peak	117.00	300	Vertical	Pass
2**	1444.273	36.62	54.0	17.38	AV	117.00	300	Vertical	Pass
3	2655.429	43.44	68.2	24.76	Peak	124.00	200	Vertical	Pass
3**	2655.429	34.35	--	--	AV	124.00	200	Vertical	Pass
4	3798.653	45.21	74.0	28.79	Peak	144.00	100	Vertical	Pass
4**	3798.653	38.97	54.0	15.03	AV	144.00	100	Vertical	Pass
5	7600.695	51.15	74.0	22.85	Peak	206.00	100	Vertical	Pass
5**	7600.695	46.48	54.0	7.52	AV	206.00	100	Vertical	Pass
6	17416.945	53.76	74.0	20.24	Peak	45.00	300	Vertical	Pass
6**	17416.945	47.06	54.0	6.94	AV	45.00	300	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	1443.741	47.68	74.0	26.32	Peak	51.00	300	Horizontal	Pass
1**	1443.741	40.24	54.0	13.76	AV	51.00	300	Horizontal	Pass
2	4147.469	47.64	74.0	26.36	Peak	224.00	400	Horizontal	Pass
2**	4147.469	35.39	54.0	18.61	AV	224.00	400	Horizontal	Pass
3	7365.832	49.80	74.0	24.20	Peak	305.00	200	Horizontal	Pass
3**	7365.832	44.52	54.0	9.48	AV	305.00	200	Horizontal	Pass
4	12465.694	54.46	74.0	19.54	Peak	261.00	100	Horizontal	Pass
4**	12465.694	43.36	54.0	10.64	AV	261.00	100	Horizontal	Pass
5	15880.499	52.97	74.0	21.03	Peak	310.00	400	Horizontal	Pass
5**	15880.499	41.35	54.0	12.65	AV	310.00	400	Horizontal	Pass
6	17421.822	58.28	74.0	15.72	Peak	115.00	300	Horizontal	Pass
6**	17421.822	47.01	54.0	6.99	AV	115.00	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	1336.882	43.42	74.0	30.58	Peak	331.00	100	Vertical	Pass
1**	1336.882	33.35	54.0	20.65	AV	331.00	100	Vertical	Pass
2	1441.883	39.38	74.0	34.62	Peak	119.00	400	Vertical	Pass
2**	1441.883	35.91	54.0	18.09	AV	119.00	400	Vertical	Pass
3	2654.027	43.72	68.2	24.48	Peak	44.00	200	Vertical	Pass
3**	2654.027	35.40	--	--	AV	44.00	200	Vertical	Pass
4	3797.653	46.72	74.0	27.28	Peak	120.00	100	Vertical	Pass
4**	3797.653	39.55	54.0	14.45	AV	120.00	100	Vertical	Pass
5	7598.965	52.99	74.0	21.01	Peak	114.00	400	Vertical	Pass
5**	7598.965	43.15	54.0	10.85	AV	114.00	400	Vertical	Pass
6	17421.692	53.64	74.0	20.36	Peak	356.00	100	Vertical	Pass
6**	17421.692	48.28	54.0	5.72	AV	356.00	100	Vertical	Pass

Rod Antenna

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	1437.634	43.77	74.0	30.23	Peak	153.00	400	Horizontal	Pass
1**	1437.634	38.08	54.0	15.92	AV	153.00	400	Horizontal	Pass
2	4148.998	46.29	74.0	27.71	Peak	304.00	300	Horizontal	Pass
2**	4148.998	36.08	54.0	17.92	AV	304.00	300	Horizontal	Pass
3	7369.515	51.95	74.0	22.05	Peak	76.00	200	Horizontal	Pass
3**	7369.515	42.78	54.0	11.22	AV	76.00	200	Horizontal	Pass
4	12467.164	53.11	74.0	20.89	Peak	65.00	200	Horizontal	Pass
4**	12467.164	45.89	54.0	8.11	AV	65.00	200	Horizontal	Pass
5	15879.052	52.09	74.0	21.91	Peak	266.00	300	Horizontal	Pass
5**	15879.052	45.73	54.0	8.27	AV	266.00	300	Horizontal	Pass
6	17417.554	53.15	74.0	20.85	Peak	320.00	300	Horizontal	Pass
6**	17417.554	48.44	54.0	5.56	AV	320.00	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	1332.049	47.32	74.0	26.68	Peak	60.00	200	Vertical	Pass
1**	1332.049	31.63	54.0	22.37	AV	60.00	200	Vertical	Pass
2	1442.490	39.71	74.0	34.29	Peak	208.00	300	Vertical	Pass
2**	1442.490	36.97	54.0	17.03	AV	208.00	300	Vertical	Pass
3	4155.307	50.35	26.3	-24.02	Peak	359.00	200	Vertical	Pass
3**	4155.307	37.28	14.9	-22.37	AV	359.00	200	Vertical	Pass
4	3802.559	45.71	74.0	28.29	Peak	159.00	300	Vertical	Pass
4**	3802.559	38.92	54.0	15.08	AV	159.00	300	Vertical	Pass
5	7603.727	50.90	74.0	23.10	Peak	243.00	300	Vertical	Pass
5**	7603.727	43.45	54.0	10.55	AV	243.00	300	Vertical	Pass
6	17421.705	55.25	74.0	18.75	Peak	153.00	200	Vertical	Pass
6**	17421.705	49.77	54.0	4.23	AV	153.00	200	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	1437.980	47.72	74.0	26.28	Peak	174.00	300	Horizontal	Pass
1**	1437.980	36.26	54.0	17.74	AV	174.00	300	Horizontal	Pass
2	4151.110	49.60	74.0	24.40	Peak	306.00	400	Horizontal	Pass
2**	4151.110	40.10	54.0	13.90	AV	306.00	400	Horizontal	Pass
3	7366.743	51.63	74.0	22.37	Peak	254.00	200	Horizontal	Pass
3**	7366.743	41.31	54.0	12.69	AV	254.00	200	Horizontal	Pass
4	12462.662	54.76	74.0	19.24	Peak	242.00	200	Horizontal	Pass
4**	12462.662	46.15	54.0	7.85	AV	242.00	200	Horizontal	Pass
5	15883.283	53.53	74.0	20.47	Peak	82.00	200	Horizontal	Pass
5**	15883.283	44.22	54.0	9.78	AV	82.00	200	Horizontal	Pass
6	17415.955	55.94	74.0	18.06	Peak	208.00	400	Horizontal	Pass
6**	17415.955	47.61	54.0	6.39	AV	208.00	400	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	1336.886	47.22	74.0	26.78	Peak	224.00	300	Vertical	Pass
1**	1336.886	32.16	54.0	21.84	AV	224.00	300	Vertical	Pass
2	1441.546	44.14	74.0	29.86	Peak	28.00	300	Vertical	Pass
2**	1441.546	39.63	54.0	14.37	AV	28.00	300	Vertical	Pass
3	2656.561	42.43	68.2	25.77	Peak	17.00	200	Vertical	Pass
3**	2656.561	37.29	--	--	AV	17.00	200	Vertical	Pass
4	3797.462	48.70	74.0	25.30	Peak	98.00	400	Vertical	Pass
4**	3797.462	34.86	54.0	19.14	AV	98.00	400	Vertical	Pass
5	7600.448	53.27	74.0	20.73	Peak	294.00	100	Vertical	Pass
5**	7600.448	45.04	54.0	8.96	AV	294.00	100	Vertical	Pass
6	17420.480	57.14	74.0	16.86	Peak	100.00	100	Vertical	Pass
6**	17420.480	46.93	54.0	7.07	AV	100.00	100	Vertical	Pass

11ac80, 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	1443.818	44.75	74.0	29.25	Peak	237.00	400	Horizontal	Pass
1**	1443.818	38.58	54.0	15.42	AV	237.00	400	Horizontal	Pass
2	4149.276	48.41	74.0	25.59	Peak	354.00	200	Horizontal	Pass
2**	4149.276	35.01	54.0	18.99	AV	354.00	200	Horizontal	Pass
3	7371.609	50.26	74.0	23.74	Peak	204.00	200	Horizontal	Pass
3**	7371.609	44.81	54.0	9.19	AV	204.00	200	Horizontal	Pass
4	12464.160	54.53	74.0	19.47	Peak	239.00	400	Horizontal	Pass
4**	12464.160	47.22	54.0	6.78	AV	239.00	400	Horizontal	Pass
5	15879.126	51.52	74.0	22.48	Peak	36.00	300	Horizontal	Pass
5**	15879.126	46.66	54.0	7.34	AV	36.00	300	Horizontal	Pass
6	17420.411	57.45	74.0	16.55	Peak	57.00	100	Horizontal	Pass
6**	17420.411	48.41	54.0	5.59	AV	57.00	100	Horizontal	Pass

11ac80, 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	1330.845	47.21	74.0	26.79	Peak	173.00	400	Vertical	Pass
1**	1330.845	31.96	54.0	22.04	AV	173.00	400	Vertical	Pass
2	1443.341	41.65	74.0	32.35	Peak	326.00	300	Vertical	Pass
2**	1443.341	36.19	54.0	17.81	AV	326.00	300	Vertical	Pass
3	2653.532	46.37	68.2	21.83	Peak	57.00	200	Vertical	Pass
3**	2653.532	34.84	--	--	AV	57.00	200	Vertical	Pass
4	3795.095	43.32	74.0	30.68	Peak	131.00	400	Vertical	Pass
4**	3795.095	35.37	54.0	18.63	AV	131.00	400	Vertical	Pass
5	7600.861	52.23	74.0	21.77	Peak	254.00	200	Vertical	Pass
5**	7600.861	46.70	54.0	7.30	AV	254.00	200	Vertical	Pass
6	17420.081	56.32	74.0	17.68	Peak	285.00	300	Vertical	Pass
6**	17420.081	45.81	54.0	8.19	AV	285.00	300	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	1438.867	44.09	74.0	29.91	Peak	32.00	100	Horizontal	Pass
1**	1438.867	37.58	54.0	16.42	AV	32.00	100	Horizontal	Pass
2	4149.613	45.52	74.0	28.48	Peak	311.00	200	Horizontal	Pass
2**	4149.613	38.06	54.0	15.94	AV	311.00	200	Horizontal	Pass
3	7369.721	53.63	74.0	20.37	Peak	172.00	200	Horizontal	Pass
3**	7369.721	42.89	54.0	11.11	AV	172.00	200	Horizontal	Pass
4	12466.834	52.59	74.0	21.41	Peak	30.00	100	Horizontal	Pass
4**	12466.834	42.79	54.0	11.21	AV	30.00	100	Horizontal	Pass
5	15883.826	55.65	74.0	18.35	Peak	195.00	200	Horizontal	Pass
5**	15883.826	45.03	54.0	8.97	AV	195.00	200	Horizontal	Pass
6	17417.124	56.99	74.0	17.01	Peak	60.00	400	Horizontal	Pass
6**	17417.124	49.58	54.0	4.42	AV	60.00	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	1330.853	42.92	74.0	31.08	Peak	75.00	100	Vertical	Pass
1**	1330.853	32.21	54.0	21.79	AV	75.00	100	Vertical	Pass
2	1440.489	44.16	74.0	29.84	Peak	101.00	300	Vertical	Pass
2**	1440.489	36.66	54.0	17.34	AV	101.00	300	Vertical	Pass
3	2655.314	48.29	68.2	19.91	Peak	152.00	200	Vertical	Pass
3**	2655.314	36.14	--	--	AV	152.00	200	Vertical	Pass
4	3795.751	45.11	74.0	28.89	Peak	142.00	200	Vertical	Pass
4**	3795.751	39.80	54.0	14.20	AV	142.00	200	Vertical	Pass
5	7603.585	52.26	74.0	21.74	Peak	44.00	200	Vertical	Pass
5**	7603.585	46.90	54.0	7.10	AV	44.00	200	Vertical	Pass
6	17419.086	58.45	74.0	15.55	Peak	113.00	300	Vertical	Pass
6**	17419.086	45.95	54.0	8.05	AV	113.00	300	Vertical	Pass

FPC Antenna

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	1441.917	45.70	74.0	28.30	Peak	335.00	100	Horizontal	Pass
1**	1441.917	41.26	54.0	12.74	AV	335.00	100	Horizontal	Pass
2	4147.492	45.38	74.0	28.62	Peak	201.00	100	Horizontal	Pass
2**	4147.492	34.68	54.0	19.32	AV	201.00	100	Horizontal	Pass
3	7371.649	55.27	74.0	18.73	Peak	164.00	200	Horizontal	Pass
3**	7371.649	45.46	54.0	8.54	AV	164.00	200	Horizontal	Pass
4	12463.396	55.68	74.0	18.32	Peak	60.00	200	Horizontal	Pass
4**	12463.396	45.77	54.0	8.23	AV	60.00	200	Horizontal	Pass
5	15878.047	53.80	74.0	20.20	Peak	198.00	400	Horizontal	Pass
5**	15878.047	43.59	54.0	10.41	AV	198.00	400	Horizontal	Pass
6	17418.975	58.08	74.0	15.92	Peak	109.00	300	Horizontal	Pass
6**	17418.975	48.47	54.0	5.53	AV	109.00	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	1333.258	41.91	74.0	32.09	Peak	329.00	200	Vertical	Pass
1**	1333.258	35.88	54.0	18.12	AV	329.00	200	Vertical	Pass
2	1439.653	43.16	74.0	30.84	Peak	349.00	200	Vertical	Pass
2**	1439.653	37.61	54.0	16.39	AV	349.00	200	Vertical	Pass
3	4148.962	48.30	26.3	-21.97	Peak	294.00	200	Vertical	Pass
3**	4148.962	39.11	14.9	-24.20	AV	294.00	200	Vertical	Pass
4	3798.409	45.07	74.0	28.93	Peak	153.00	400	Vertical	Pass
4**	3798.409	35.88	54.0	18.12	AV	153.00	400	Vertical	Pass
5	7597.958	54.52	74.0	19.48	Peak	53.00	400	Vertical	Pass
5**	7597.958	45.12	54.0	8.88	AV	53.00	400	Vertical	Pass
6	17416.443	58.60	74.0	15.40	Peak	294.00	200	Vertical	Pass
6**	17416.443	49.14	54.0	4.86	AV	294.00	200	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	1444.609	43.72	74.0	30.28	Peak	237.00	400	Horizontal	Pass
1**	1444.609	38.81	54.0	15.19	AV	237.00	400	Horizontal	Pass
2	4149.713	49.31	74.0	24.69	Peak	337.00	200	Horizontal	Pass
2**	4149.713	39.32	54.0	14.68	AV	337.00	200	Horizontal	Pass
3	7368.957	49.95	74.0	24.05	Peak	58.00	200	Horizontal	Pass
3**	7368.957	45.17	54.0	8.83	AV	58.00	200	Horizontal	Pass
4	12465.416	54.53	74.0	19.47	Peak	43.00	300	Horizontal	Pass
4**	12465.416	42.80	54.0	11.20	AV	43.00	300	Horizontal	Pass
5	15877.363	53.70	74.0	20.30	Peak	202.00	200	Horizontal	Pass
5**	15877.363	42.03	54.0	11.97	AV	202.00	200	Horizontal	Pass
6	17418.885	54.43	74.0	19.57	Peak	343.00	200	Horizontal	Pass
6**	17418.885	46.03	54.0	7.97	AV	343.00	200	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	1334.265	43.50	74.0	30.50	Peak	117.00	300	Vertical	Pass
1**	1334.265	35.88	54.0	18.12	AV	117.00	300	Vertical	Pass
2	1438.060	43.04	74.0	30.96	Peak	152.00	100	Vertical	Pass
2**	1438.060	34.16	54.0	19.84	AV	152.00	100	Vertical	Pass
3	2655.903	44.85	68.2	23.35	Peak	292.00	200	Vertical	Pass
3**	2655.903	36.63	--	--	AV	292.00	200	Vertical	Pass
4	3796.994	47.57	74.0	26.43	Peak	172.00	400	Vertical	Pass
4**	3796.994	39.66	54.0	14.34	AV	172.00	400	Vertical	Pass
5	7601.736	51.60	74.0	22.40	Peak	136.00	300	Vertical	Pass
5**	7601.736	42.30	54.0	11.70	AV	136.00	300	Vertical	Pass
6	17417.919	57.64	74.0	16.36	Peak	192.00	100	Vertical	Pass
6**	17417.919	45.79	54.0	8.21	AV	192.00	100	Vertical	Pass

11ac80, 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	1443.818	44.75	74.0	29.25	Peak	237.00	400	Horizontal	Pass
1**	1443.818	38.58	54.0	15.42	AV	237.00	400	Horizontal	Pass
2	4149.276	48.41	74.0	25.59	Peak	354.00	200	Horizontal	Pass
2**	4149.276	35.01	54.0	18.99	AV	354.00	200	Horizontal	Pass
3	7371.609	50.26	74.0	23.74	Peak	204.00	200	Horizontal	Pass
3**	7371.609	44.81	54.0	9.19	AV	204.00	200	Horizontal	Pass
4	12464.160	54.53	74.0	19.47	Peak	239.00	400	Horizontal	Pass
4**	12464.160	47.22	54.0	6.78	AV	239.00	400	Horizontal	Pass
5	15879.126	51.52	74.0	22.48	Peak	36.00	300	Horizontal	Pass
5**	15879.126	46.66	54.0	7.34	AV	36.00	300	Horizontal	Pass
6	17420.411	57.45	74.0	16.55	Peak	57.00	100	Horizontal	Pass
6**	17420.411	48.41	54.0	5.59	AV	57.00	100	Horizontal	Pass

11ac80, 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	1330.845	47.21	74.0	26.79	Peak	173.00	400	Vertical	Pass
1**	1330.845	31.96	54.0	22.04	AV	173.00	400	Vertical	Pass
2	1443.341	41.65	74.0	32.35	Peak	326.00	300	Vertical	Pass
2**	1443.341	36.19	54.0	17.81	AV	326.00	300	Vertical	Pass
3	2653.532	46.37	68.2	21.83	Peak	57.00	200	Vertical	Pass
3**	2653.532	34.84	--	--	AV	57.00	200	Vertical	Pass
4	3795.095	43.32	74.0	30.68	Peak	131.00	400	Vertical	Pass
4**	3795.095	35.37	54.0	18.63	AV	131.00	400	Vertical	Pass
5	7600.861	52.23	74.0	21.77	Peak	254.00	200	Vertical	Pass
5**	7600.861	46.70	54.0	7.30	AV	254.00	200	Vertical	Pass
6	17420.081	56.32	74.0	17.68	Peak	285.00	300	Vertical	Pass
6**	17420.081	45.81	54.0	8.19	AV	285.00	300	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	1444.986	42.16	74.0	31.84	Peak	148.00	100	Horizontal	Pass
1**	1444.986	36.98	54.0	17.02	AV	148.00	100	Horizontal	Pass
2	4144.810	48.94	74.0	25.06	Peak	86.00	400	Horizontal	Pass
2**	4144.810	36.49	54.0	17.51	AV	86.00	400	Horizontal	Pass
3	7367.386	49.84	74.0	24.16	Peak	76.00	200	Horizontal	Pass
3**	7367.386	40.82	54.0	13.18	AV	76.00	200	Horizontal	Pass
4	12466.402	52.30	74.0	21.70	Peak	16.00	400	Horizontal	Pass
4**	12466.402	42.47	54.0	11.53	AV	16.00	400	Horizontal	Pass
5	15878.021	55.55	74.0	18.45	Peak	87.00	300	Horizontal	Pass
5**	15878.021	46.57	54.0	7.43	AV	87.00	300	Horizontal	Pass
6	17422.058	58.27	74.0	15.73	Peak	326.00	200	Horizontal	Pass
6**	17422.058	49.94	54.0	4.06	AV	326.00	200	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	1336.093	45.88	74.0	28.12	Peak	244.00	200	Vertical	Pass
1**	1336.093	34.93	54.0	19.07	AV	244.00	200	Vertical	Pass
2	1437.774	40.45	74.0	33.55	Peak	331.00	300	Vertical	Pass
2**	1437.774	38.49	54.0	15.51	AV	331.00	300	Vertical	Pass
3	2659.667	47.80	68.2	20.40	Peak	57.00	200	Vertical	Pass
3**	2659.667	33.67	--	--	AV	57.00	200	Vertical	Pass
4	3795.269	45.52	74.0	28.48	Peak	14.00	200	Vertical	Pass
4**	3795.269	35.09	54.0	18.91	AV	14.00	200	Vertical	Pass
5	7602.805	50.79	74.0	23.21	Peak	276.00	200	Vertical	Pass
5**	7602.805	46.56	54.0	7.44	AV	276.00	200	Vertical	Pass
6	17418.938	56.43	74.0	17.57	Peak	325.00	100	Vertical	Pass
6**	17418.938	49.37	54.0	4.63	AV	325.00	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
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
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
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(VHT80)	Low	Pass
		High	Pass

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

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Test Data

PCB Antenna

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	5144.804	68.7	74.0	5.30	Peak	54.00	200	Horizontal	Pass
1**	5144.804	45.49	54.0	8.51	AV	54.00	200	Horizontal	Pass
2	5150.000	61.47	74.0	12.53	Peak	346.00	100	Horizontal	Pass
2**	5150.000	51.36	54.0	2.64	AV	346.00	100	Horizontal	Pass

U-NII-1 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.9	74.0	18.10	Peak	97.00	300	Horizontal	Pass
1**	5350.000	44.05	54.0	9.95	AV	97.00	300	Horizontal	Pass
2	5422.784	58.73	74.0	15.27	Peak	138.00	300	Horizontal	Pass
2**	5422.784	45.57	54.0	8.43	AV	138.00	300	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	5145.961	69.91	74.0	4.09	Peak	225.00	100	Horizontal	Pass
1**	5145.961	46.55	54.0	7.45	AV	225.00	100	Horizontal	Pass
2	5150.000	61.03	74.0	12.97	Peak	105.00	100	Horizontal	Pass
2**	5150.000	51.54	54.0	2.46	AV	105.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.51	74.0	20.49	Peak	39.00	200	Horizontal	Pass
1**	5350.000	43.72	54.0	10.28	AV	39.00	200	Horizontal	Pass
2	5424.678	60.1	74.0	13.90	Peak	32.00	300	Horizontal	Pass
2**	5424.678	46.38	54.0	7.62	AV	32.00	300	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	5145.694	70.53	74.0	3.47	Peak	29.00	200	Horizontal	Pass
1**	5145.694	47.71	54.0	6.29	AV	29.00	200	Horizontal	Pass
2	5150.000	61.71	74.0	12.29	Peak	240.00	200	Horizontal	Pass
2**	5150.000	49.14	54.0	4.86	AV	240.00	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	5350.000	52.49	74.0	21.51	Peak	9.00	300	Horizontal	Pass
1**	5350.000	44.6	54.0	9.40	AV	9.00	300	Horizontal	Pass
2	5425.259	58.87	74.0	15.13	Peak	131.00	100	Horizontal	Pass
2**	5425.259	47.24	54.0	6.76	AV	131.00	100	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	5146.653	68.62	74.0	5.38	Peak	345.00	100	Horizontal	Pass
1**	5146.653	46.25	54.0	7.75	AV	345.00	100	Horizontal	Pass
2	5150.000	62.89	74.0	11.11	Peak	334.00	200	Horizontal	Pass
2**	5150.000	48.24	54.0	5.76	AV	334.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.07	74.0	20.93	Peak	50.00	100	Horizontal	Pass
1**	5350.000	43.5	54.0	10.50	AV	50.00	100	Horizontal	Pass
2	5423.969	58.59	74.0	15.41	Peak	307.00	100	Horizontal	Pass
2**	5423.969	45.05	54.0	8.95	AV	307.00	100	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	5146.317	67.39	74.0	6.61	Peak	13.00	100	Horizontal	Pass
1**	5146.317	48.86	54.0	5.14	AV	13.00	100	Horizontal	Pass
2	5150.000	64.42	74.0	9.58	Peak	243.00	100	Horizontal	Pass
2**	5150.000	50.67	54.0	3.33	AV	243.00	100	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	56.17	74.0	17.83	Peak	75.00	300	Horizontal	Pass
1**	5350.000	46	54.0	8.00	AV	75.00	300	Horizontal	Pass
2	5424.054	60.58	74.0	13.42	Peak	134.00	300	Horizontal	Pass
2**	5424.054	45.15	54.0	8.85	AV	134.00	300	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	5145.550	70.82	74.0	3.18	Peak	82.00	300	Horizontal	Pass
1**	5145.550	47.86	54.0	6.14	AV	82.00	300	Horizontal	Pass
2	5150.000	61.26	74.0	12.74	Peak	359.00	200	Horizontal	Pass
2**	5150.000	51.51	54.0	2.49	AV	359.00	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	5350.000	53.55	74.0	20.45	Peak	57.00	300	Horizontal	Pass
1**	5350.000	44.14	54.0	9.86	AV	57.00	300	Horizontal	Pass
2	5425.012	61.64	74.0	12.36	Peak	176.00	200	Horizontal	Pass
2**	5425.012	43.72	54.0	10.28	AV	176.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.208	68.4	74.0	5.60	Peak	78.00	300	Horizontal	Pass
1**	5147.208	48.89	54.0	5.11	AV	78.00	300	Horizontal	Pass
2	5150.000	64.48	74.0	9.52	Peak	141.00	100	Horizontal	Pass
2**	5150.000	50.04	54.0	3.96	AV	141.00	100	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	54.81	74.0	19.19	Peak	349.00	100	Horizontal	Pass
1**	5350.000	42.97	54.0	11.03	AV	349.00	100	Horizontal	Pass
2	5423.644	58.57	74.0	15.43	Peak	235.00	100	Horizontal	Pass
2**	5423.644	44.95	54.0	9.05	AV	235.00	100	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	5146.108	68.08	74.0	5.92	Peak	115.00	100	Horizontal	Pass
1**	5146.108	48.54	54.0	5.46	AV	115.00	100	Horizontal	Pass
2	5150.000	61.88	74.0	12.12	Peak	309.00	100	Horizontal	Pass
2**	5150.000	48.03	54.0	5.97	AV	309.00	100	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	55.12	74.0	18.88	Peak	113.00	300	Horizontal	Pass
1**	5350.000	46.45	54.0	7.55	AV	113.00	300	Horizontal	Pass
2	5424.945	61.34	74.0	12.66	Peak	105.00	300	Horizontal	Pass
2**	5424.945	44.72	54.0	9.28	AV	105.00	300	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	5147.206	68.42	74.0	5.58	Peak	333.00	300	Horizontal	Pass
1**	5147.206	47.69	54.0	6.31	AV	333.00	300	Horizontal	Pass
2	5150.000	61.43	74.0	12.57	Peak	35.00	200	Horizontal	Pass
2**	5150.000	51.15	54.0	2.85	AV	35.00	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	53.15	74.0	20.85	Peak	236.00	200	Horizontal	Pass
1**	5350.000	44.96	54.0	9.04	AV	236.00	200	Horizontal	Pass
2	5425.634	61.23	74.0	12.77	Peak	67.00	300	Horizontal	Pass
2**	5425.634	46.59	54.0	7.41	AV	67.00	300	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	5145.117	67.55	74.0	6.45	Peak	247.00	300	Horizontal	Pass
1**	5145.117	46.93	54.0	7.07	AV	247.00	300	Horizontal	Pass
2	5150.000	63.24	74.0	10.76	Peak	77.00	100	Horizontal	Pass
2**	5150.000	50.12	54.0	3.88	AV	77.00	100	Horizontal	Pass

U-NII-2A 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.4	74.0	20.60	Peak	82.00	100	Horizontal	Pass
1**	5350.000	43.91	54.0	10.09	AV	82.00	100	Horizontal	Pass
2	5425.466	60.01	74.0	13.99	Peak	89.00	100	Horizontal	Pass
2**	5425.466	47.26	54.0	6.74	AV	89.00	100	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	5147.258	67.97	74.0	6.03	Peak	189.00	300	Horizontal	Pass
1**	5147.258	47.65	54.0	6.35	AV	189.00	300	Horizontal	Pass
2	5150.000	62.5	74.0	11.50	Peak	189.00	300	Horizontal	Pass
2**	5150.000	49.23	54.0	4.77	AV	189.00	300	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	5350.000	55.07	74.0	18.93	Peak	283.00	300	Horizontal	Pass
1**	5350.000	44.84	54.0	9.16	AV	283.00	300	Horizontal	Pass
2	5425.303	59.63	74.0	14.37	Peak	8.00	100	Horizontal	Pass
2**	5425.303	45.52	54.0	8.48	AV	8.00	100	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	5145.694	68.76	74.0	5.24	Peak	160.00	100	Horizontal	Pass
1**	5145.694	46.17	54.0	7.83	AV	160.00	100	Horizontal	Pass
2	5150.000	63.06	74.0	10.94	Peak	81.00	100	Horizontal	Pass
2**	5150.000	50.7	54.0	3.30	AV	81.00	100	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	5350.000	52.28	74.0	21.72	Peak	337.00	100	Horizontal	Pass
1**	5350.000	45.95	54.0	8.05	AV	337.00	100	Horizontal	Pass
2	5425.301	57.87	74.0	16.13	Peak	67.00	300	Horizontal	Pass
2**	5425.301	44.27	54.0	9.73	AV	67.00	300	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	5455.091	58.18	74.0	15.82	Peak	261.00	200	Horizontal	Pass
1**	5455.279	44.46	54.0	9.54	AV	261.00	200	Horizontal	Pass
2	5460.000	52.75	74.0	21.25	Peak	96.00	100	Horizontal	Pass
2**	5460.000	46.77	54.0	7.23	AV	96.00	100	Horizontal	Pass
3	5464.691	65.81	68.2	2.39	Peak	188.00	100	Horizontal	Pass
3**	5465.987	45.39	--	--	AV	188.00	100	Horizontal	N/A
4	5470.000	61.98	68.2	6.22	Peak	185.00	100	Horizontal	Pass
4**	5470.000	48.7	--	--	AV	185.00	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	5725.000	56.88	68.2	11.32	Peak	351.00	300	Horizontal	Pass
2	5728.362	64.26	68.2	3.94	Peak	91.00	300	Horizontal	Pass

U-NII-2C 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5454.306	58.12	74.0	15.88	Peak	24.00	300	Horizontal	Pass
1**	5456.334	45.93	54.0	8.07	AV	24.00	300	Horizontal	Pass
2	5460.000	55.23	74.0	18.77	Peak	223.00	200	Horizontal	Pass
2**	5460.000	45.95	54.0	8.05	AV	223.00	200	Horizontal	Pass
3	5465.082	63.43	68.2	4.77	Peak	174.00	300	Horizontal	Pass
3**	5466.164	45.62	--	--	AV	174.00	300	Horizontal	N/A
4	5470.000	58.93	68.2	9.27	Peak	91.00	200	Horizontal	Pass
4**	5470.000	48.14	--	--	AV	91.00	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	53.74	68.2	14.46	Peak	96.00	100	Horizontal	Pass
2	5728.119	61.03	68.2	7.17	Peak	273.00	300	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	57.46	74.0	16.54	Peak	358.00	300	Horizontal	Pass
1**	5454.956	47.32	54.0	6.68	AV	358.00	300	Horizontal	Pass
2	5460.000	54.35	74.0	19.65	Peak	152.00	300	Horizontal	Pass
2**	5460.000	44.63	54.0	9.37	AV	152.00	300	Horizontal	Pass
3	5467.209	64.98	68.2	3.22	Peak	315.00	300	Horizontal	Pass
3**	5465.718	49.04	--	--	AV	315.00	300	Horizontal	N/A
4	5470.000	62.28	68.2	5.92	Peak	145.00	300	Horizontal	Pass
4**	5470.000	46.36	--	--	AV	145.00	300	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	55.59	68.2	12.61	Peak	213.00	200	Horizontal	Pass
2	5729.306	61.53	68.2	6.67	Peak	35.00	300	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	5454.783	58.04	74.0	15.96	Peak	332.00	300	Horizontal	Pass
1**	5453.978	44.94	54.0	9.06	AV	332.00	300	Horizontal	Pass
2	5460.000	54.78	74.0	19.22	Peak	11.00	300	Horizontal	Pass
2**	5460.000	47.53	54.0	6.47	AV	11.00	300	Horizontal	Pass
3	5465.852	62.64	68.2	5.56	Peak	192.00	200	Horizontal	Pass
3**	5467.381	47.03	--	--	AV	192.00	200	Horizontal	N/A
4	5470.000	60.67	68.2	7.53	Peak	348.00	100	Horizontal	Pass
4**	5470.000	45.81	--	--	AV	348.00	100	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	57.04	68.2	11.16	Peak	109.00	100	Horizontal	Pass
2	5728.390	61.97	68.2	6.23	Peak	355.00	200	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	5455.413	57.86	74.0	16.14	Peak	116.00	100	Horizontal	Pass
1**	5455.958	47.03	54.0	6.97	AV	116.00	100	Horizontal	Pass
2	5460.000	55.15	74.0	18.85	Peak	26.00	100	Horizontal	Pass
2**	5460.000	45.74	54.0	8.26	AV	26.00	100	Horizontal	Pass
3	5466.605	65.36	68.2	2.84	Peak	272.00	100	Horizontal	Pass
3**	5465.590	47.7	--	--	AV	272.00	100	Horizontal	N/A
4	5470.000	62.41	68.2	5.79	Peak	190.00	300	Horizontal	Pass
4**	5470.000	47.44	--	--	AV	190.00	300	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	5725.000	54.24	68.2	13.96	Peak	344.00	200	Horizontal	Pass
2	5727.532	63.51	68.2	4.69	Peak	106.00	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	5454.080	60.76	74.0	13.24	Peak	279.00	200	Horizontal	Pass
1**	5453.694	47.06	54.0	6.94	AV	279.00	200	Horizontal	Pass
2	5460.000	53.21	74.0	20.79	Peak	60.00	200	Horizontal	Pass
2**	5460.000	43.81	54.0	10.19	AV	60.00	200	Horizontal	Pass
3	5465.130	63.1	68.2	5.10	Peak	305.00	200	Horizontal	Pass
3**	5467.092	47.77	--	--	AV	305.00	200	Horizontal	N/A
4	5470.000	61.38	68.2	6.82	Peak	269.00	100	Horizontal	Pass
4**	5470.000	46.65	--	--	AV	269.00	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	56.1	68.2	12.10	Peak	258.00	200	Horizontal	Pass
2	5729.765	61.09	68.2	7.11	Peak	296.00	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	5643.843	58.62	68.2	9.58	Peak	331.00	100	Horizontal	Pass
2	5650.000	55.67	68.2	12.53	Peak	331.00	100	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	5725.000	54.28	68.2	13.92	Peak	160.00	300	Horizontal	Pass
2	5727.927	60.95	68.2	7.25	Peak	91.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.027	58.96	68.2	9.24	Peak	145.00	200	Horizontal	Pass
2	5650.000	53.37	68.2	14.83	Peak	145.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.15	68.2	14.05	Peak	176.00	200	Horizontal	Pass
2	5729.421	63.83	68.2	4.37	Peak	107.00	100	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	5643.497	61.02	68.2	7.18	Peak	68.00	300	Horizontal	Pass
2	5650.000	56.01	68.2	12.19	Peak	68.00	300	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	5725.000	56.97	68.2	11.23	Peak	72.00	100	Horizontal	Pass
2	5729.369	64.16	68.2	4.04	Peak	72.00	200	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	5725.000	55.6	68.2	12.60	Peak	0.00	300	Horizontal	Pass
2	5727.415	61.32	68.2	6.88	Peak	98.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.15	68.2	14.05	Peak	317.00	200	Horizontal	Pass
2	5729.649	63.63	68.2	4.57	Peak	9.00	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	5725.000	55.98	68.2	12.22	Peak	96.00	300	Horizontal	Pass
2	5728.356	61.34	68.2	6.86	Peak	170.00	300	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	5725.000	53.33	68.2	14.87	Peak	167.00	100	Horizontal	Pass
2	5729.604	62.73	68.2	5.47	Peak	85.00	200	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	5725.000	54.12	68.2	14.08	Peak	110.00	200	Horizontal	Pass
2	5727.840	62.61	68.2	5.59	Peak	178.00	300	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	5725.000	54.83	68.2	13.37	Peak	190.00	100	Horizontal	Pass
2	5727.498	63.78	68.2	4.42	Peak	181.00	200	Horizontal	Pass

Rod Antenna

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	5144.942	70.52	74.0	3.48	Peak	249.00	300	Horizontal	Pass
1**	5144.942	48.78	54.0	5.22	AV	249.00	300	Horizontal	Pass
2	5150.000	63.91	74.0	10.09	Peak	245.00	100	Horizontal	Pass
2**	5150.000	50.45	54.0	3.55	AV	245.00	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	5350.000	55.76	74.0	18.24	Peak	97.00	100	Horizontal	Pass
1**	5350.000	45.94	54.0	8.06	AV	97.00	100	Horizontal	Pass
2	5425.548	59.1	74.0	14.90	Peak	273.00	300	Horizontal	Pass
2**	5425.548	47.12	54.0	6.88	AV	273.00	300	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	5145.770	68.29	74.0	5.71	Peak	167.00	200	Horizontal	Pass
1**	5145.770	48.38	54.0	5.62	AV	167.00	200	Horizontal	Pass
2	5150.000	62.4	74.0	11.60	Peak	120.00	300	Horizontal	Pass
2**	5150.000	49.2	54.0	4.80	AV	120.00	300	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	5350.000	54.05	74.0	19.95	Peak	318.00	300	Horizontal	Pass
1**	5350.000	45.6	54.0	8.40	AV	318.00	300	Horizontal	Pass
2	5422.867	59.19	74.0	14.81	Peak	306.00	200	Horizontal	Pass
2**	5422.867	46.42	54.0	7.58	AV	306.00	200	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	5455.224	59.14	74.0	14.86	Peak	39.00	100	Horizontal	Pass
1**	5456.386	48.15	54.0	5.85	AV	39.00	100	Horizontal	Pass
2	5460.000	53.04	74.0	20.96	Peak	344.00	300	Horizontal	Pass
2**	5460.000	45.16	54.0	8.84	AV	344.00	300	Horizontal	Pass
3	5467.155	65.38	68.2	2.82	Peak	57.00	300	Horizontal	Pass
3**	5466.036	48.18	--	--	AV	57.00	300	Horizontal	N/A
4	5470.000	59.53	68.2	8.67	Peak	32.00	300	Horizontal	Pass
4**	5470.000	44.87	--	--	AV	32.00	300	Horizontal	N/A

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	5725.000	55.74	68.2	12.46	Peak	102.00	300	Horizontal	Pass
2	5728.250	63.76	68.2	4.44	Peak	313.00	100	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	5725.000	56.04	68.2	12.16	Peak	319.00	100	Horizontal	Pass
2	5729.288	61.21	68.2	6.99	Peak	96.00	100	Horizontal	Pass

FPC Antenna**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	5144.697	67.56	74.0	6.44	Peak	290.00	100	Horizontal	Pass
1**	5144.697	46.76	54.0	7.24	AV	290.00	100	Horizontal	Pass
2	5150.000	64.51	74.0	9.49	Peak	209.00	300	Horizontal	Pass
2**	5150.000	49.94	54.0	4.06	AV	209.00	300	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	5350.000	54.43	74.0	19.57	Peak	208.00	100	Horizontal	Pass
1**	5350.000	44.77	54.0	9.23	AV	208.00	100	Horizontal	Pass
2	5422.702	58.17	74.0	15.83	Peak	100.00	100	Horizontal	Pass
2**	5422.702	44.66	54.0	9.34	AV	100.00	100	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	5145.432	69.54	74.0	4.46	Peak	40.00	300	Horizontal	Pass
1**	5145.432	47.89	54.0	6.11	AV	40.00	300	Horizontal	Pass
2	5150.000	62.47	74.0	11.53	Peak	358.00	300	Horizontal	Pass
2**	5150.000	49.11	54.0	4.89	AV	358.00	300	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	5350.000	55.06	74.0	18.94	Peak	145.00	100	Horizontal	Pass
1**	5350.000	44.81	54.0	9.19	AV	145.00	100	Horizontal	Pass
2	5423.236	60.86	74.0	13.14	Peak	259.00	100	Horizontal	Pass
2**	5423.236	45.38	54.0	8.62	AV	259.00	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	5453.627	59.17	74.0	14.83	Peak	194.00	100	Horizontal	Pass
1**	5455.077	46.35	54.0	7.65	AV	194.00	100	Horizontal	Pass
2	5460.000	54.92	74.0	19.08	Peak	210.00	300	Horizontal	Pass
2**	5460.000	45.91	54.0	8.09	AV	210.00	300	Horizontal	Pass
3	5465.679	62.69	68.2	5.51	Peak	288.00	300	Horizontal	Pass
3**	5465.829	45.45	--	--	AV	288.00	300	Horizontal	N/A
4	5470.000	58.82	68.2	9.38	Peak	34.00	100	Horizontal	Pass
4**	5470.000	46.42	--	--	AV	34.00	100	Horizontal	N/A

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	5725.000	56.88	68.2	11.32	Peak	318.00	300	Horizontal	Pass
2	5728.373	62.76	68.2	5.44	Peak	294.00	100	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	5725.000	53.78	68.2	14.42	Peak	32.00	300	Horizontal	Pass
2	5727.392	61.77	68.2	6.43	Peak	344.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2490059-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2490059-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2490059-AI.PDF”.

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