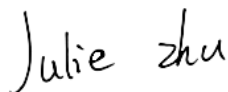
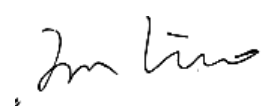


TEST REPORT

Applicant: E&S International Enterprises, Inc.
Address: 7801 Hayvenhurst Avenue, Van Nuys, California
91406, United States
Equipment Type: 10.1" Tablet
Model Name: RATM31046 (refer to section 2.3)
Brand Name: RCA
FCC ID: 2AYPE-RATM31046
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: May 30, 2024
Test Date: May 30, 2024 - Jun. 12, 2024
Date of Issue: Jul. 11, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 04, 2024</u>	<u>Initial Issue</u>
<u>Rev. 01</u>	<u>Jul. 04, 2024</u>	<u>Corrected the Maximum Output Power in Section 2.4</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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	E&S International Enterprises, Inc.
Address	7801 Hayvenhurst Avenue, Van Nuys, California 91406, United States

2.2 Manufacturer Information

Manufacturer	HENA GROUP COMPANY LIMITED
Address	ROOM 2205, WESTLANDS CENTRE, 20 WESTLAND ROAD, QUARRY BAY, HONG KONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	10.1" Tablet
Model Name Under Test	RATM31046
Series Model Name	16QF9, RATM31046-*****, RATM31046F-*****, RATM31046K-*****(The "*" in model name can be 0 to 9, A to Z, a to z, "-" or blank)
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in shell color and model name. (this information provided by the applicant)
Hardware Version	EM_T8123_V1.0 L20
Software Version	Android 14
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g and 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
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: 8.67 mW U-NII-2A: 8.87 mW U-NII-2C: 6.25 mW U-NII-3: 6.21 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 0.96 dBi U-NII-2A: 5250 MHz to 5350 MHz: 0.59 dBi U-NII-2C: 5470 MHz to 5725 MHz: 1.34 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.67 dBi
About the Product	The equipment is 10.1" Tablet, intended for used with information technology equipment.

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

3.2 Test Verdict

No.	Description	FCC Part No.	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

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

Note ²: 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	44% to 66%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.8°C to +24.8°C
	LT (Low Temperature)	0.0°C
	HT (High Temperature)	+35.0°C
Working Voltage of the EUT	NV (Normal Voltage)	3.80 V
	LV (Low Voltage)	3.00 V
	HV (High Voltage)	4.35 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
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2023.09.05	2024.09.04
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2024.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2023.09.05	2024.09.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
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	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
Amplifier	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
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
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05

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%

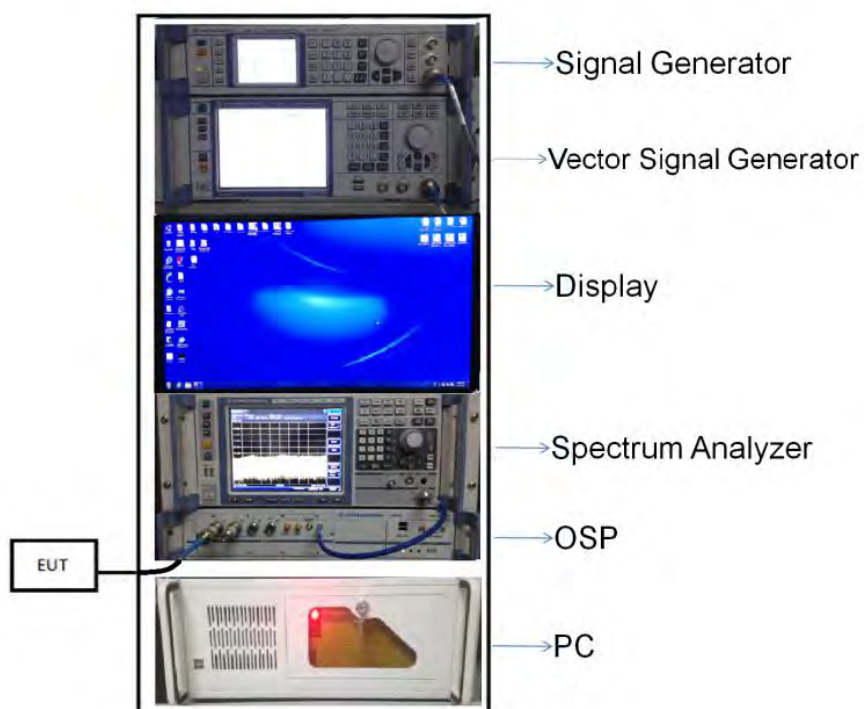
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

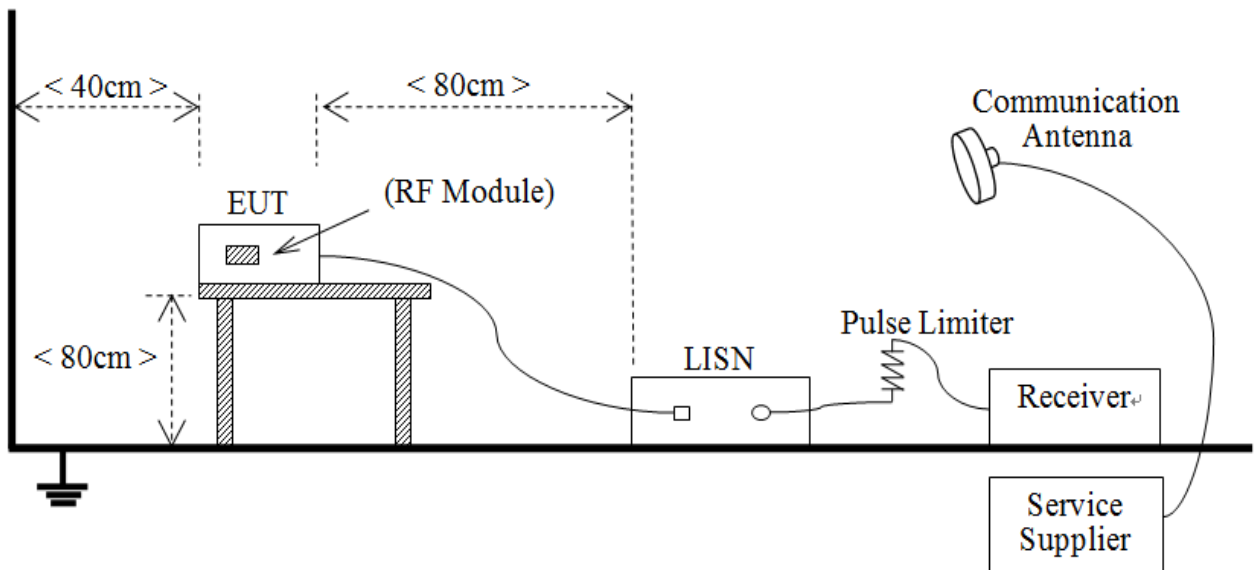
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



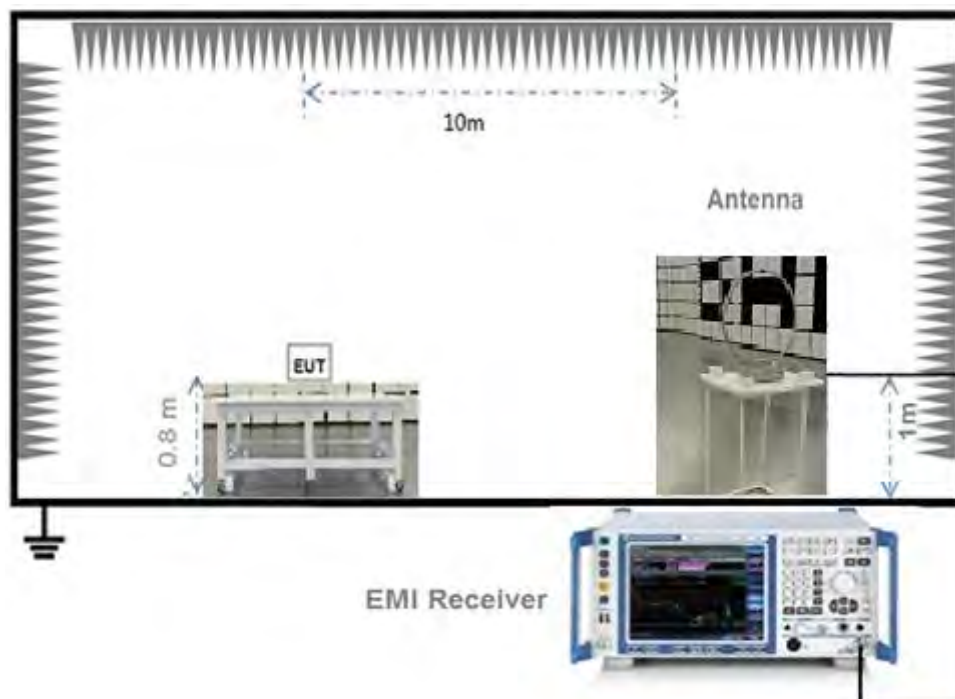
(Diagram 1)

4.5.2 For AC Power Supply Port Test



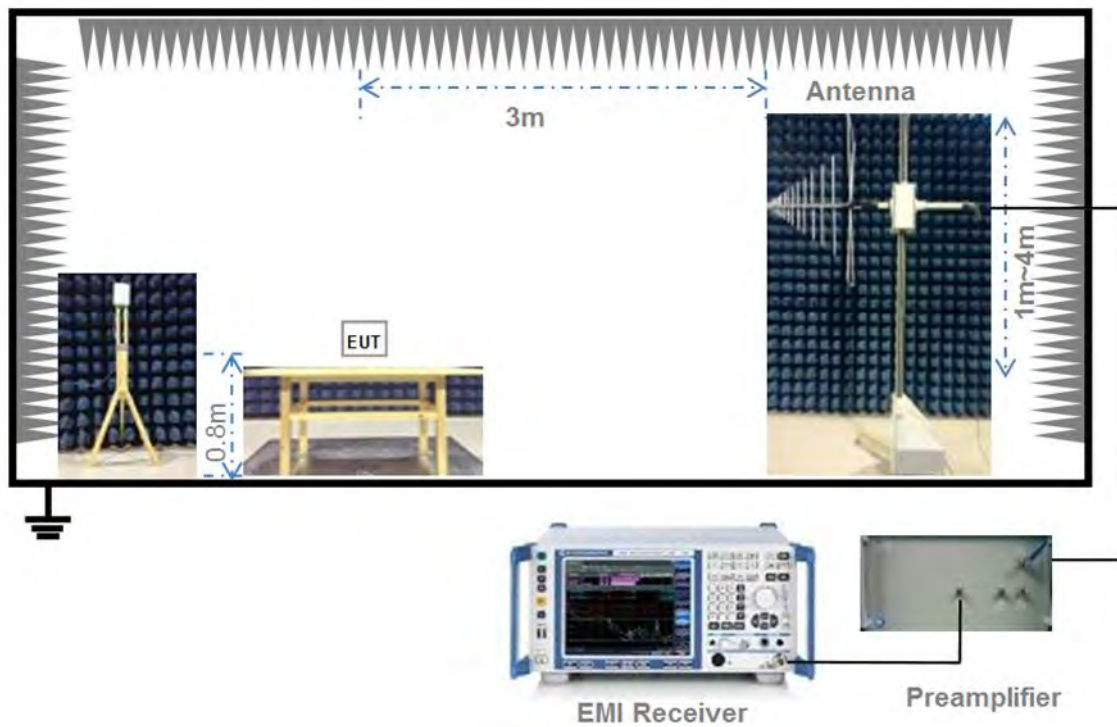
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



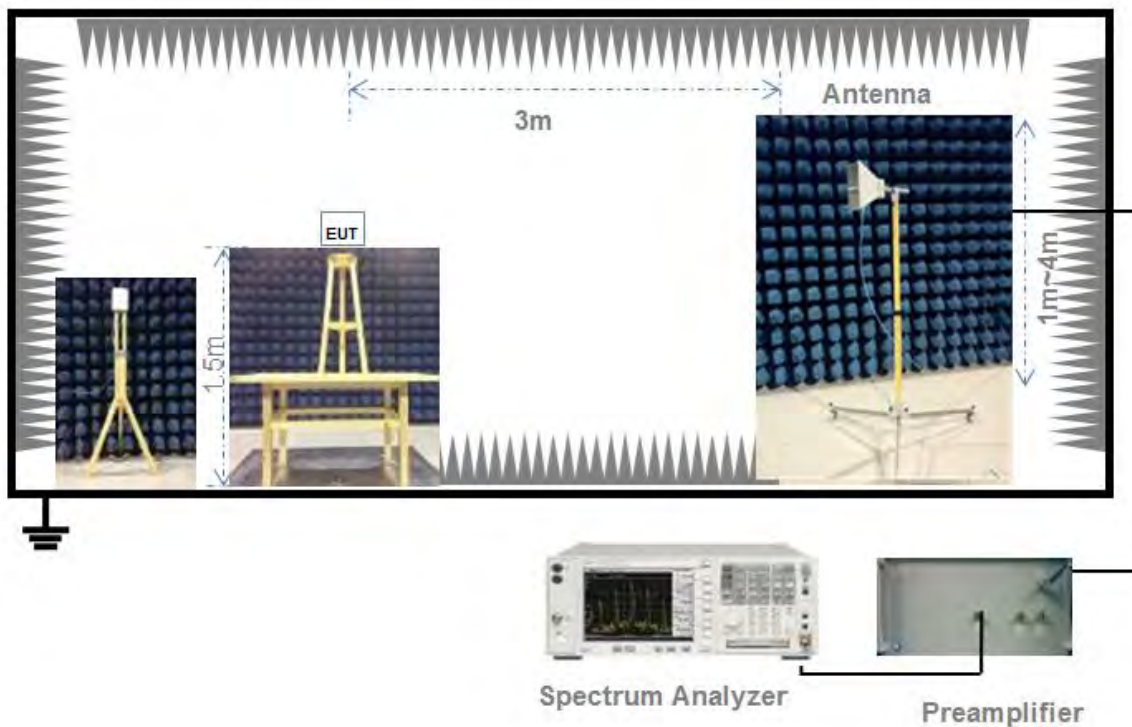
(Diagram 3)

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.	

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 ≥ 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)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ 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.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

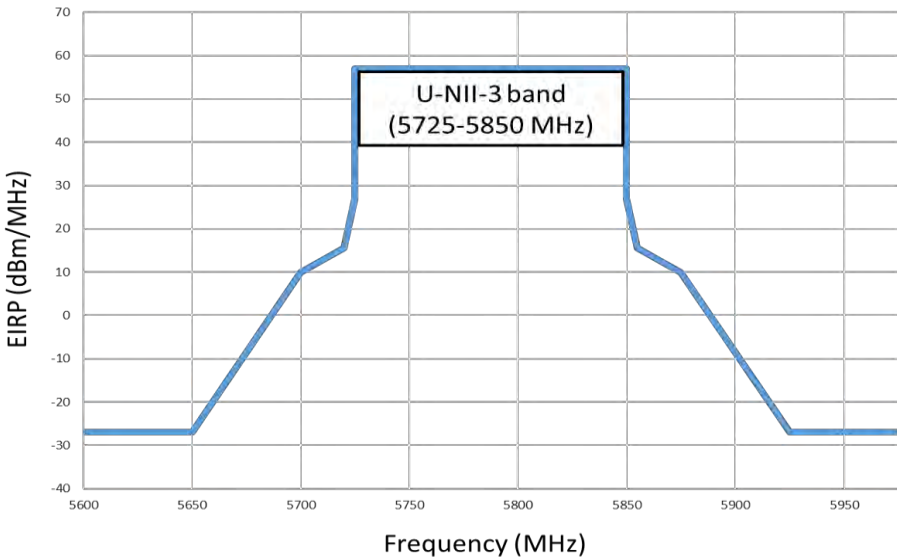
5.5.1 Limit

FCC §15.209 & 15.407(b)

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.

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.43	97.27%	0.12
11n (HT20)/11ac (VHT20)	1.31	1.35	97.40%	0.11
11n (HT40)/11ac (VHT40)	0.65	0.69	95.05%	0.22
11ac (VHT80)	0.32	0.36	90.24%	0.45

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	9.24	8.39	250	Pass
11a	CH44	9.18	8.28	250	Pass
11a	CH48	9.26	8.43	250	Pass
11n (HT20)	CH36	9.14	8.20	250	Pass
11n (HT20)	CH44	9.07	8.07	250	Pass
11n (HT20)	CH48	9.13	8.18	250	Pass
11n (HT40)	CH38	9.15	8.22	250	Pass
11n (HT40)	CH46	9.06	8.05	250	Pass
11ac (VHT20)	CH36	9.16	8.24	250	Pass
11ac (VHT20)	CH44	9.04	8.02	250	Pass
11ac (VHT20)	CH48	9.10	8.13	250	Pass
11ac (VHT40)	CH38	9.23	8.38	250	Pass
11ac (VHT40)	CH46	9.06	8.05	250	Pass
11ac (VHT80)	CH42	9.38	8.67	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	9.40	8.71	250	Pass
11a	CH60	9.35	8.61	250	Pass
11a	CH64	9.33	8.57	250	Pass
11n (HT20)	CH52	9.24	8.39	250	Pass
11n (HT20)	CH60	9.25	8.41	250	Pass
11n (HT20)	CH64	9.22	8.36	250	Pass
11n (HT40)	CH54	9.17	8.26	250	Pass
11n (HT40)	CH62	9.22	8.36	250	Pass
11ac (VHT20)	CH52	9.24	8.39	250	Pass
11ac (VHT20)	CH60	9.31	8.53	250	Pass
11ac (VHT20)	CH64	9.19	8.30	250	Pass
11ac (VHT40)	CH54	9.48	8.87	250	Pass
11ac (VHT40)	CH62	9.01	7.96	250	Pass
11ac (VHT80)	CH58	9.15	8.22	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	7.50	5.62	250	Pass
11a	CH116	7.96	6.25	250	Pass
11a	CH140	7.83	6.07	250	Pass
11n (HT20)	CH100	7.59	5.74	250	Pass
11n (HT20)	CH116	7.94	6.22	250	Pass
11n (HT20)	CH140	7.71	5.90	250	Pass
11n (HT40)	CH102	7.56	5.70	250	Pass
11n (HT40)	CH118	7.96	6.25	250	Pass
11n (HT40)	CH134	7.95	6.24	250	Pass
11ac (VHT20)	CH100	7.58	5.73	250	Pass
11ac (VHT20)	CH116	7.95	6.24	250	Pass
11ac (VHT20)	CH140	7.71	5.90	250	Pass
11ac (VHT40)	CH102	7.61	5.77	250	Pass
11ac (VHT40)	CH118	7.51	5.64	250	Pass
11ac (VHT40)	CH134	7.90	6.17	250	Pass
11ac (VHT80)	CH106	7.74	5.94	250	Pass
11ac (VHT80)	CH122	7.65	5.82	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	7.76	5.97	1000	Pass
11a	CH157	7.77	5.98	1000	Pass
11a	CH165	7.48	5.60	1000	Pass
11n (HT20)	CH149	7.62	5.78	1000	Pass
11n (HT20)	CH157	7.64	5.81	1000	Pass
11n (HT20)	CH165	7.93	6.21	1000	Pass
11n (HT40)	CH151	7.75	5.96	1000	Pass
11n (HT40)	CH159	7.71	5.90	1000	Pass
11ac (VHT20)	CH149	7.59	5.74	1000	Pass
11ac (VHT20)	CH157	7.61	5.77	1000	Pass
11ac (VHT20)	CH165	7.87	6.12	1000	Pass
11ac (VHT40)	CH151	7.73	5.93	1000	Pass
11ac (VHT40)	CH159	7.68	5.86	1000	Pass
11ac (VHT80)	CH155	7.67	5.85	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2451145-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.07	16.50
11a	CH44	20.00	16.49
11a	CH48	20.00	16.50
11n (HT20)	CH36	20.37	17.60
11n (HT20)	CH44	20.32	17.61
11n (HT20)	CH48	20.34	17.60
11n (HT40)	CH38	40.72	36.08
11n (HT40)	CH46	40.78	36.07
11ac (VHT20)	CH36	20.32	17.58
11ac (VHT20)	CH44	20.31	17.58
11ac (VHT20)	CH48	20.34	17.59
11ac (VHT40)	CH38	40.55	36.03
11ac (VHT40)	CH46	40.89	36.02
11ac (VHT80)	CH42	81.07	75.36

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.03	16.52
11a	CH60	20.06	16.51
11a	CH64	19.99	16.49
11n (HT20)	CH52	20.44	17.59
11n (HT20)	CH60	20.43	17.59
11n (HT20)	CH64	20.40	17.62
11n (HT40)	CH54	40.50	36.08
11n (HT40)	CH62	40.68	36.12
11ac (VHT20)	CH52	20.43	17.58
11ac (VHT20)	CH60	20.44	17.58
11ac (VHT20)	CH64	20.38	17.58
11ac (VHT40)	CH54	40.72	36.05
11ac (VHT40)	CH62	40.70	36.06
11ac (VHT80)	CH58	81.02	75.41

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.13	16.53
11a	CH116	20.57	16.54
11a	CH140	20.09	16.56
11n (HT20)	CH100	20.40	17.62
11n (HT20)	CH116	20.51	17.65
11n (HT20)	CH140	21.22	17.66
11n (HT40)	CH102	41.30	36.16
11n (HT40)	CH118	40.76	36.19
11n (HT40)	CH134	40.54	36.15
11ac (VHT20)	CH100	20.46	17.60
11ac (VHT20)	CH116	20.34	17.63
11ac (VHT20)	CH140	20.51	17.66
11ac (VHT40)	CH102	40.84	36.09
11ac (VHT40)	CH118	40.79	36.10
11ac (VHT40)	CH134	40.61	36.07
11ac (VHT80)	CH106	81.18	75.55
11ac (VHT80)	CH122	107.20	75.57

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.46	16.57
11a	CH157	20.30	16.57
11a	CH165	20.79	16.57
11n (HT20)	CH149	20.45	17.67
11n (HT20)	CH157	21.76	17.68
11n (HT20)	CH165	20.49	17.67
11n (HT40)	CH151	41.25	36.22
11n (HT40)	CH159	41.01	36.25
11ac (VHT20)	CH149	20.99	17.64
11ac (VHT20)	CH157	20.46	17.65
11ac (VHT20)	CH165	22.02	17.64
11ac (VHT40)	CH151	41.41	36.13
11ac (VHT40)	CH159	40.58	36.11
11ac (VHT80)	CH155	93.59	75.59

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2451145-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	15.40	500.00	Pass
11a	CH165	15.40	500.00	Pass
11n (HT20)	CH149	15.40	500.00	Pass
11n (HT20)	CH157	15.40	500.00	Pass
11n (HT20)	CH165	15.30	500.00	Pass
11n (HT40)	CH151	35.40	500.00	Pass
11n (HT40)	CH159	35.30	500.00	Pass
11ac (VHT20)	CH149	15.40	500.00	Pass
11ac (VHT20)	CH157	15.40	500.00	Pass
11ac (VHT20)	CH165	15.40	500.00	Pass
11ac (VHT40)	CH151	35.40	500.00	Pass
11ac (VHT40)	CH159	35.30	500.00	Pass
11ac (VHT80)	CH155	75.30	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2451145-604 Data Part 3.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-1.27	11.00	Pass
11a	CH44	-1.34	11.00	Pass
11a	CH48	-1.26	11.00	Pass
11n (HT20)	CH36	-1.55	11.00	Pass
11n (HT20)	CH44	-1.65	11.00	Pass
11n (HT20)	CH48	-1.54	11.00	Pass
11n (HT40)	CH38	-4.41	11.00	Pass
11n (HT40)	CH46	-4.65	11.00	Pass
11ac (VHT20)	CH36	-1.64	11.00	Pass
11ac (VHT20)	CH44	-1.72	11.00	Pass
11ac (VHT20)	CH48	-1.73	11.00	Pass
11ac (VHT40)	CH38	-4.46	11.00	Pass
11ac (VHT40)	CH46	-4.62	11.00	Pass
11ac (VHT80)	CH42	-7.53	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-1.27	11.00	Pass
11a	CH60	-1.33	11.00	Pass
11a	CH64	-1.28	11.00	Pass
11n (HT20)	CH52	-1.58	11.00	Pass
11n (HT20)	CH60	-1.62	11.00	Pass
11n (HT20)	CH64	-1.53	11.00	Pass
11n (HT40)	CH54	-4.60	11.00	Pass
11n (HT40)	CH62	-4.50	11.00	Pass
11ac (VHT20)	CH52	-1.63	11.00	Pass
11ac (VHT20)	CH60	-1.55	11.00	Pass
11ac (VHT20)	CH64	-1.65	11.00	Pass
11ac (VHT40)	CH54	-4.27	11.00	Pass
11ac (VHT40)	CH62	-4.77	11.00	Pass
11ac (VHT80)	CH58	-7.66	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-2.94	11.00	Pass
11a	CH116	-2.44	11.00	Pass
11a	CH140	-2.77	11.00	Pass
11n (HT20)	CH100	-3.09	11.00	Pass
11n (HT20)	CH116	-2.71	11.00	Pass
11n (HT20)	CH140	-3.17	11.00	Pass
11n (HT40)	CH102	-5.96	11.00	Pass
11n (HT40)	CH118	-5.71	11.00	Pass
11n (HT40)	CH134	-5.71	11.00	Pass
11ac (VHT20)	CH100	-3.15	11.00	Pass
11ac (VHT20)	CH116	-2.72	11.00	Pass
11ac (VHT20)	CH140	-3.04	11.00	Pass
11ac (VHT40)	CH102	-5.94	11.00	Pass
11ac (VHT40)	CH118	-6.18	11.00	Pass
11ac (VHT40)	CH134	-5.82	11.00	Pass
11ac (VHT80)	CH106	-8.90	11.00	Pass
11ac (VHT80)	CH122	-9.14	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-5.60	30.00	Pass
11a	CH157	-5.65	30.00	Pass
11a	CH165	-6.02	30.00	Pass
11n (HT20)	CH149	-5.94	30.00	Pass
11n (HT20)	CH157	-5.96	30.00	Pass
11n (HT20)	CH165	-5.73	30.00	Pass
11n (HT40)	CH151	-8.78	30.00	Pass
11n (HT40)	CH159	-8.95	30.00	Pass
11ac (VHT20)	CH149	-5.93	30.00	Pass
11ac (VHT20)	CH157	-6.04	30.00	Pass
11ac (VHT20)	CH165	-5.85	30.00	Pass
11ac (VHT40)	CH151	-8.83	30.00	Pass
11ac (VHT40)	CH159	-8.87	30.00	Pass
11ac (VHT80)	CH155	-11.60	30.00	Pass

A.5 Conducted Emissions

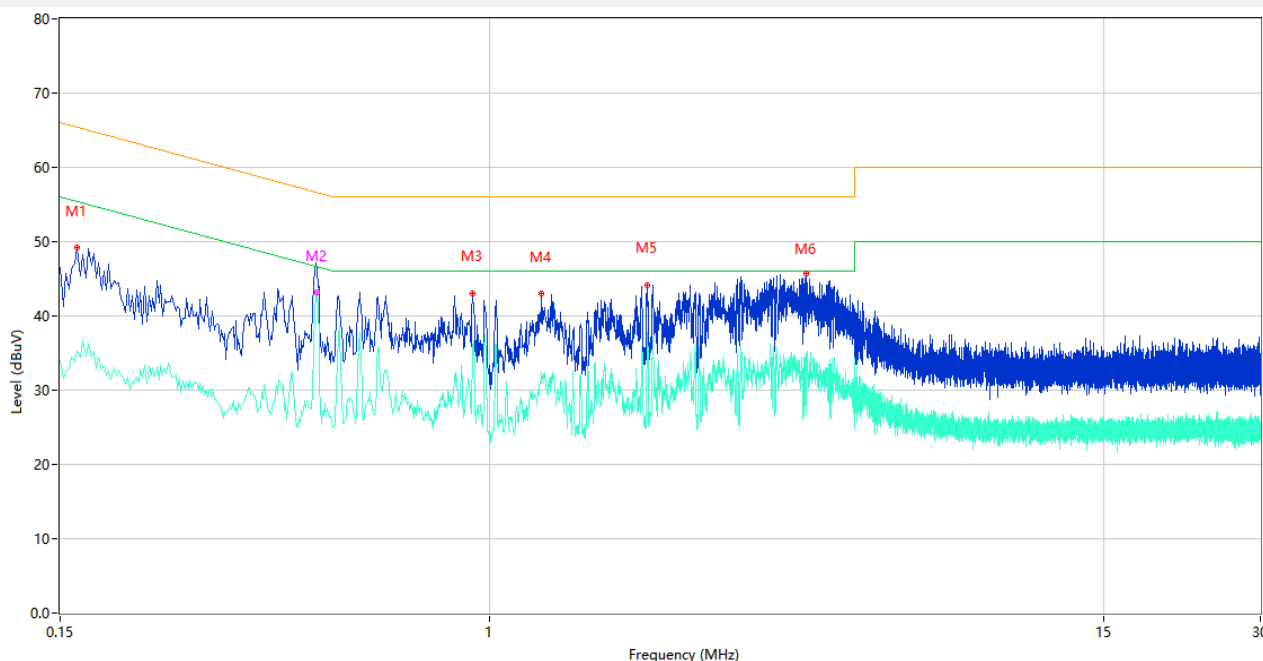
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

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

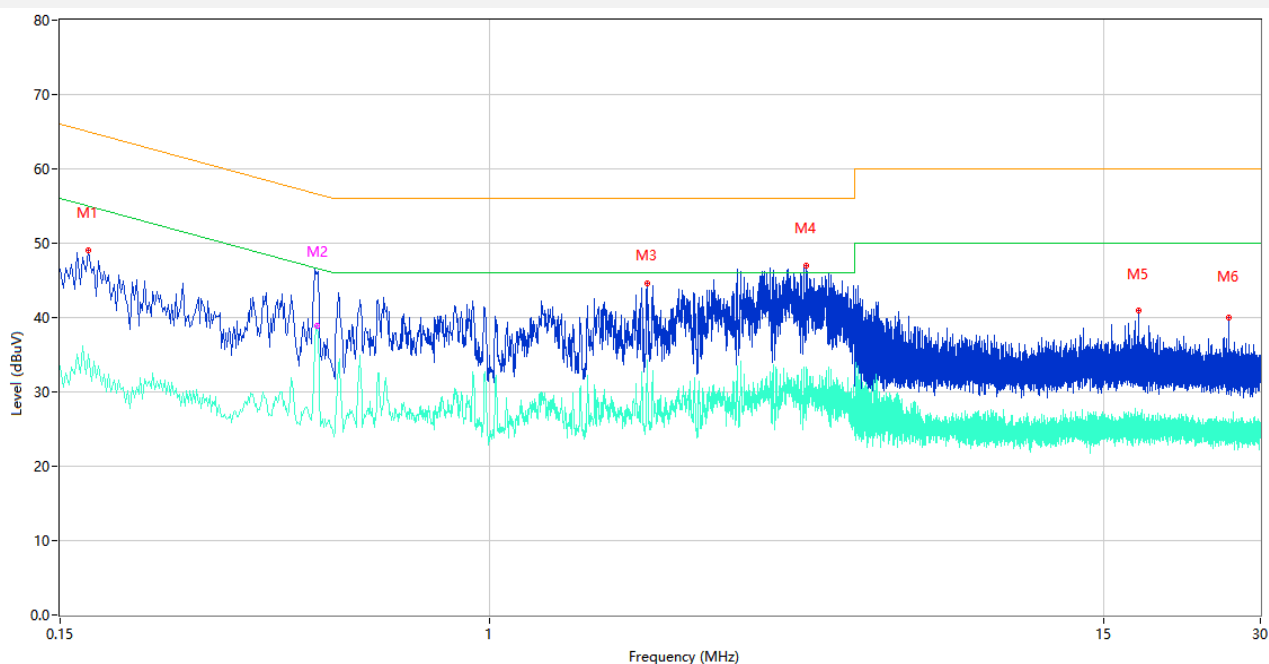
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	49.15	9.78	65.36	16.21	Peak	L	Pass
1**	0.162	35.28	9.78	55.36	20.08	AV	L	Pass
2	0.466	46.29	10.01	56.58	10.29	Peak	L	Pass
2**	0.466	43.10	10.01	46.58	3.48	AV	L	Pass
3	0.928	43.09	10.11	56.00	12.91	Peak	L	Pass
3**	0.928	35.81	10.11	46.00	10.19	AV	L	Pass
4	1.256	42.95	10.45	56.00	13.05	Peak	L	Pass
4**	1.256	31.83	10.45	46.00	14.17	AV	L	Pass
5	2.002	44.19	10.24	56.00	11.81	Peak	L	Pass
5**	2.002	36.20	10.24	46.00	9.80	AV	L	Pass
6	4.048	45.71	10.34	56.00	10.29	Peak	L	Pass
6**	4.048	31.51	10.34	46.00	14.49	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.170	49.09	9.78	64.96	15.87	Peak	N	Pass
1**	0.170	35.08	9.78	54.96	19.88	AV	N	Pass
2	0.466	45.94	10.01	56.58	10.64	Peak	N	Pass
2**	0.466	38.91	10.01	46.58	7.67	AV	N	Pass
3	2.002	44.54	10.24	56.00	11.46	Peak	N	Pass
3**	2.002	33.37	10.24	46.00	12.63	AV	N	Pass
4	4.050	47.02	10.34	56.00	8.98	Peak	N	Pass
4**	4.050	33.34	10.34	46.00	12.66	AV	N	Pass
5	17.494	40.95	10.82	60.00	19.05	Peak	N	Pass
5**	17.494	26.06	10.82	50.00	23.94	AV	N	Pass
6	26.158	40.03	11.01	60.00	19.97	Peak	N	Pass
6**	26.158	26.36	11.01	50.00	23.64	AV	N	Pass

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

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

Note²: For the test data above 1 GHz, According the ANSI C63.4, 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.

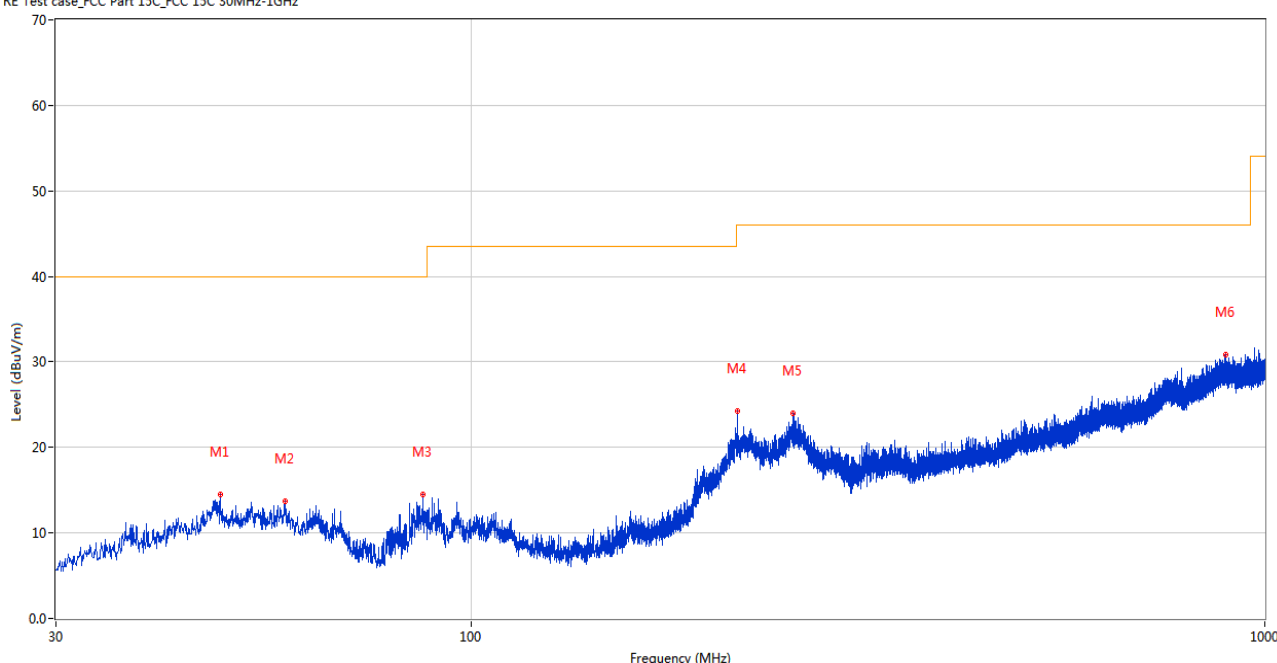
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

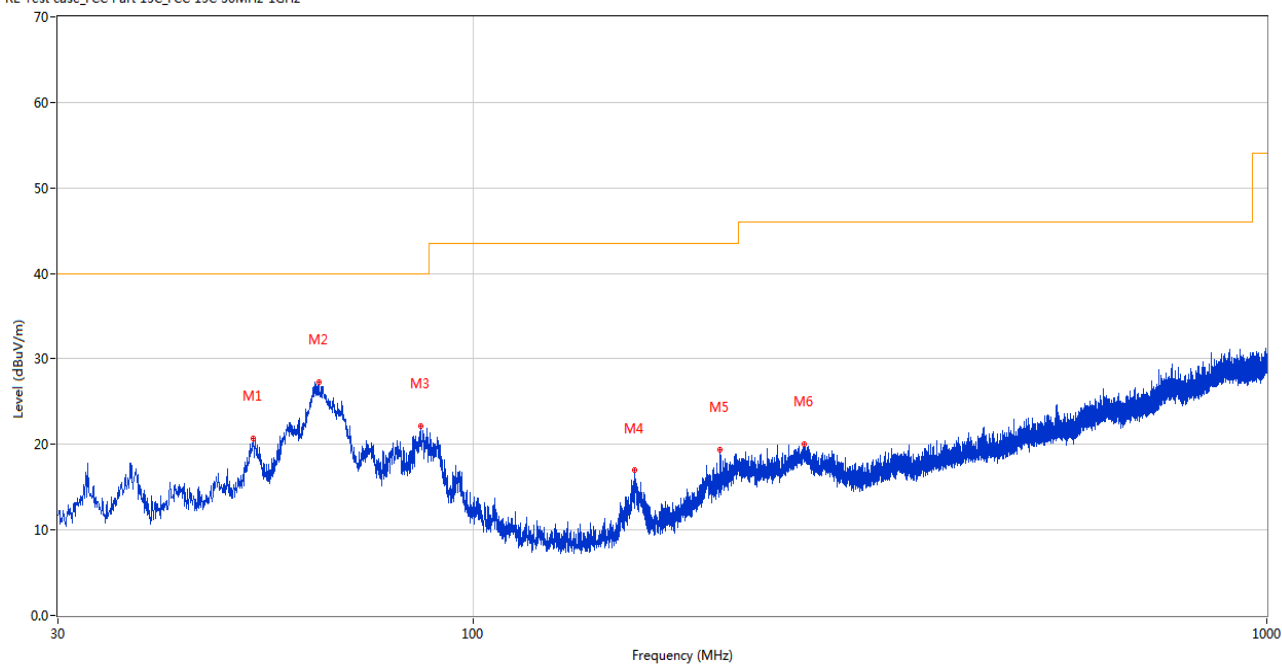
RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.285	14.48	-23.23	40.0	25.52	Peak	358.00	100	Horizontal	Pass
2	58.276	13.75	-23.80	40.0	26.25	Peak	266.40	200	Horizontal	Pass
3	86.988	14.51	-28.29	40.0	25.49	Peak	139.40	200	Horizontal	Pass
4	216.676	24.22	-23.98	46.0	21.78	Peak	266.30	100	Horizontal	Pass
5	254.798	24.05	-22.05	46.0	21.95	Peak	256.10	100	Horizontal	Pass
6	892.378	30.88	-7.81	46.0	15.12	Peak	0.40	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_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	52.892	20.74	-23.29	40.0	19.26	Peak	278.80	100	Vertical	Pass
2	63.901	27.28	-25.19	40.0	12.72	Peak	211.00	100	Vertical	Pass
3	86.018	22.12	-28.72	40.0	17.88	Peak	242.10	100	Vertical	Pass
4	159.883	16.94	-27.53	43.5	26.56	Peak	307.60	100	Vertical	Pass
5	204.940	19.37	-24.53	43.5	24.13	Peak	359.20	100	Vertical	Pass
6	261.248	20.06	-22.04	46.0	25.94	Peak	350.10	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.000	39.40	-17.17	74.0	34.60	Peak	244.00	400	Horizontal	Pass
1**	1480.000	30.06	-17.17	54.0	23.94	AV	244.00	400	Horizontal	Pass
2	4378.800	50.22	-3.38	74.0	23.78	Peak	248.00	400	Horizontal	Pass
2**	4378.800	41.37	-3.38	54.0	12.63	AV	248.00	400	Horizontal	Pass
3	5181.000	104.11	-2.67	--	--	Peak	145.00	150	Horizontal	N/A
3**	5181.000	96.16	-2.67	--	--	AV	145.00	150	Horizontal	N/A
4	7341.263	49.52	-3.09	74.0	24.48	Peak	137.00	100	Horizontal	Pass
4**	7341.263	40.84	-3.09	54.0	13.16	AV	137.00	100	Horizontal	Pass
5	12482.338	53.44	1.63	74.0	20.56	Peak	349.00	150	Horizontal	Pass
5**	12482.338	42.98	1.63	54.0	11.02	AV	349.00	150	Horizontal	Pass
6	15849.600	55.95	1.33	74.0	18.05	Peak	140.00	400	Horizontal	Pass
6**	15849.600	46.14	1.33	54.0	7.86	AV	140.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.600	38.95	-17.21	74.0	35.05	Peak	63.00	100	Vertical	Pass
1**	1514.600	29.27	-17.21	54.0	24.73	AV	63.00	100	Vertical	Pass
2	4373.800	50.06	-3.88	74.0	23.94	Peak	173.00	100	Vertical	Pass
2**	4373.800	40.99	-3.88	54.0	13.01	AV	173.00	100	Vertical	Pass
3	5179.000	95.33	-2.54	--	--	Peak	294.00	200	Vertical	N/A
3**	5179.000	87.32	-2.54	--	--	AV	294.00	200	Vertical	N/A
4	7679.363	49.42	-2.43	74.0	24.58	Peak	360.00	200	Vertical	Pass
4**	7679.363	40.02	-2.43	54.0	13.98	AV	360.00	200	Vertical	Pass
5	12276.775	53.20	1.68	74.0	20.80	Peak	226.00	150	Vertical	Pass
5**	12276.775	43.75	1.68	54.0	10.25	AV	226.00	150	Vertical	Pass
6	15845.401	56.15	1.37	74.0	17.85	Peak	221.00	300	Vertical	Pass
6**	15845.401	46.62	1.37	54.0	7.38	AV	221.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.200	39.39	-17.02	74.0	34.61	Peak	175.00	300	Horizontal	Pass
1**	1502.200	29.16	-17.02	54.0	24.84	AV	175.00	300	Horizontal	Pass
2	4391.800	50.38	-3.48	74.0	23.62	Peak	161.00	200	Horizontal	Pass
2**	4391.800	40.29	-3.48	54.0	13.71	AV	161.00	200	Horizontal	Pass
3	5221.400	104.99	-2.68	--	--	Peak	139.00	200	Horizontal	N/A
3**	5221.400	98.59	-2.68	--	--	AV	139.00	200	Horizontal	N/A
4	7340.112	49.85	-2.98	74.0	24.15	Peak	124.00	300	Horizontal	Pass
4**	7340.112	41.44	-2.98	54.0	12.56	AV	124.00	300	Horizontal	Pass
5	12382.576	53.81	1.49	74.0	20.19	Peak	252.00	150	Horizontal	Pass
5**	12382.576	43.92	1.49	54.0	10.08	AV	252.00	150	Horizontal	Pass
6	15844.612	56.15	1.37	74.0	17.85	Peak	12.00	300	Horizontal	Pass
6**	15844.612	46.19	1.37	54.0	7.81	AV	12.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.200	39.16	-16.96	74.0	34.84	Peak	36.00	100	Vertical	Pass
1**	1458.200	29.57	-16.96	54.0	24.43	AV	36.00	100	Vertical	Pass
2	4258.000	51.03	-4.45	74.0	22.97	Peak	79.00	100	Vertical	Pass
2**	4258.000	40.29	-4.45	54.0	13.71	AV	79.00	100	Vertical	Pass
3	5222.600	95.29	-2.70	--	--	Peak	141.00	100	Vertical	N/A
3**	5222.600	88.73	-2.70	--	--	AV	141.00	100	Vertical	N/A
4	7379.788	50.05	-3.47	74.0	23.95	Peak	68.00	100	Vertical	Pass
4**	7379.788	40.24	-3.47	54.0	13.76	AV	68.00	100	Vertical	Pass
5	11502.250	53.47	-0.01	74.0	20.53	Peak	199.00	100	Vertical	Pass
5**	11502.250	43.05	-0.01	54.0	10.95	AV	199.00	100	Vertical	Pass
6	15351.113	55.97	0.69	74.0	18.03	Peak	31.00	100	Vertical	Pass
6**	15351.113	45.06	0.69	54.0	8.94	AV	31.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.200	39.53	-17.09	74.0	34.47	Peak	56.00	200	Horizontal	Pass
1**	1460.200	29.48	-17.09	54.0	24.52	AV	56.00	200	Horizontal	Pass
2	4388.800	49.94	-3.38	74.0	24.06	Peak	326.00	300	Horizontal	Pass
2**	4388.800	40.59	-3.38	54.0	13.41	AV	326.00	300	Horizontal	Pass
3	5238.600	105.55	-2.59	--	--	Peak	139.00	100	Horizontal	N/A
3**	5238.600	97.86	-2.59	--	--	AV	139.00	100	Horizontal	N/A
4	7625.600	49.90	-2.82	74.0	24.10	Peak	132.00	300	Horizontal	Pass
4**	7625.600	40.58	-2.82	54.0	13.42	AV	132.00	300	Horizontal	Pass
5	12514.825	53.92	1.53	74.0	20.08	Peak	71.00	150	Horizontal	Pass
5**	12514.825	43.78	1.53	54.0	10.22	AV	71.00	150	Horizontal	Pass
6	16076.401	56.47	1.57	74.0	17.53	Peak	164.00	400	Horizontal	Pass
6**	16076.401	46.72	1.57	54.0	7.28	AV	164.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	39.55	-16.88	74.0	34.45	Peak	109.00	300	Vertical	Pass
1**	1493.500	30.08	-16.88	54.0	23.92	AV	109.00	300	Vertical	Pass
2	4376.200	49.44	-3.98	74.0	24.56	Peak	82.00	100	Vertical	Pass
2**	4376.200	40.53	-3.98	54.0	13.47	AV	82.00	100	Vertical	Pass
3	5238.800	95.22	-2.61	--	--	Peak	138.00	100	Vertical	N/A
3**	5238.800	87.80	-2.61	--	--	AV	138.00	100	Vertical	N/A
4	7338.675	49.96	-2.91	74.0	24.04	Peak	19.00	200	Vertical	Pass
4**	7338.675	41.02	-2.91	54.0	12.98	AV	19.00	200	Vertical	Pass
5	12333.987	53.26	1.36	74.0	20.74	Peak	104.00	150	Vertical	Pass
5**	12333.987	43.22	1.36	54.0	10.78	AV	104.00	150	Vertical	Pass
6	16082.700	55.56	1.58	74.0	18.44	Peak	293.00	200	Vertical	Pass
6**	16082.700	47.06	1.58	54.0	6.94	AV	293.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.800	41.57	-17.07	74.0	32.43	Peak	127.00	300	Horizontal	Pass
1**	1331.800	35.64	-17.07	54.0	18.36	AV	127.00	300	Horizontal	Pass
2	3769.800	49.36	-5.00	74.0	24.64	Peak	59.00	150	Horizontal	Pass
2**	3769.800	39.70	-5.00	54.0	14.30	AV	59.00	150	Horizontal	Pass
3	4883.800	53.10	-2.57	74.0	20.90	Peak	25.00	150	Horizontal	Pass
3**	4883.800	42.76	-2.57	54.0	11.24	AV	25.00	150	Horizontal	Pass
4	5179.200	103.80	-2.56	--	--	Peak	146.00	300	Horizontal	N/A
4**	5179.200	96.71	-2.56	--	--	AV	146.00	300	Horizontal	N/A
5	12231.063	53.34	1.27	74.0	20.66	Peak	188.00	300	Horizontal	Pass
5**	12231.063	44.43	1.27	54.0	9.57	AV	188.00	300	Horizontal	Pass
6	15522.000	56.33	1.38	74.0	17.67	Peak	143.00	100	Horizontal	Pass
6**	15522.000	45.97	1.38	54.0	8.03	AV	143.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.100	39.33	-16.83	74.0	34.67	Peak	188.00	100	Vertical	Pass
1**	1506.100	29.97	-16.83	54.0	24.03	AV	188.00	100	Vertical	Pass
2	4387.600	49.71	-3.37	74.0	24.29	Peak	176.00	400	Vertical	Pass
2**	4387.600	41.38	-3.37	54.0	12.62	AV	176.00	400	Vertical	Pass
3	5181.400	94.44	-2.65	--	--	Peak	299.00	150	Vertical	N/A
3**	5181.400	86.90	-2.65	--	--	AV	299.00	150	Vertical	N/A
4	7336.375	49.66	-3.12	74.0	24.34	Peak	244.00	100	Vertical	Pass
4**	7336.375	40.62	-3.12	54.0	13.38	AV	244.00	100	Vertical	Pass
5	12407.012	53.14	1.46	74.0	20.86	Peak	87.00	100	Vertical	Pass
5**	12407.012	44.03	1.46	54.0	9.97	AV	87.00	100	Vertical	Pass
6	15775.050	55.89	1.27	74.0	18.11	Peak	274.00	100	Vertical	Pass
6**	15775.050	46.32	1.27	54.0	7.68	AV	274.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.800	38.96	-16.82	74.0	35.04	Peak	207.00	200	Horizontal	Pass
1**	1506.800	29.36	-16.82	54.0	24.64	AV	207.00	200	Horizontal	Pass
2	4396.400	50.84	-3.99	74.0	23.16	Peak	114.00	100	Horizontal	Pass
2**	4396.400	39.95	-3.99	54.0	14.05	AV	114.00	100	Horizontal	Pass
3	5222.400	104.45	-2.70	--	--	Peak	145.00	150	Horizontal	N/A
3**	5222.400	96.69	-2.70	--	--	AV	145.00	150	Horizontal	N/A
4	7329.475	50.00	-3.53	74.0	24.00	Peak	298.00	200	Horizontal	Pass
4**	7329.475	41.08	-3.53	54.0	12.92	AV	298.00	200	Horizontal	Pass
5	12287.412	53.48	1.72	74.0	20.52	Peak	82.00	200	Horizontal	Pass
5**	12287.412	43.84	1.72	54.0	10.16	AV	82.00	200	Horizontal	Pass
6	15497.062	56.32	1.09	74.0	17.68	Peak	251.00	300	Horizontal	Pass
6**	15497.062	46.78	1.09	54.0	7.22	AV	251.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.500	39.98	-17.10	74.0	34.02	Peak	312.00	300	Vertical	Pass
1**	1596.500	30.15	-17.10	54.0	23.85	AV	312.00	300	Vertical	Pass
2	4210.000	50.95	-4.45	74.0	23.05	Peak	193.00	300	Vertical	Pass
2**	4210.000	40.58	-4.45	54.0	13.42	AV	193.00	300	Vertical	Pass
3	5221.400	94.61	-2.68	--	--	Peak	146.00	100	Vertical	N/A
3**	5221.400	87.96	-2.68	--	--	AV	146.00	100	Vertical	N/A
4	7340.400	49.94	-3.01	74.0	24.06	Peak	359.00	400	Vertical	Pass
4**	7340.400	41.10	-3.01	54.0	12.90	AV	359.00	400	Vertical	Pass
5	12321.625	53.71	1.42	74.0	20.29	Peak	254.00	200	Vertical	Pass
5**	12321.625	44.04	1.42	54.0	9.96	AV	254.00	200	Vertical	Pass
6	16126.800	56.15	0.88	74.0	17.85	Peak	242.00	200	Vertical	Pass
6**	16126.800	46.12	0.88	54.0	7.88	AV	242.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.100	39.41	-17.16	74.0	34.59	Peak	339.00	100	Horizontal	Pass
1**	1568.100	29.42	-17.16	54.0	24.58	AV	339.00	100	Horizontal	Pass
2	4359.400	49.96	-4.09	74.0	24.04	Peak	351.00	200	Horizontal	Pass
2**	4359.400	41.57	-4.09	54.0	12.43	AV	351.00	200	Horizontal	Pass
3	5237.200	105.10	-2.53	--	--	Peak	130.00	100	Horizontal	N/A
3**	5237.200	97.40	-2.53	--	--	AV	130.00	100	Horizontal	N/A
4	7681.950	50.06	-2.69	74.0	23.94	Peak	267.00	300	Horizontal	Pass
4**	7681.950	39.67	-2.69	54.0	14.33	AV	267.00	300	Horizontal	Pass
5	12061.438	52.99	0.92	74.0	21.01	Peak	355.00	200	Horizontal	Pass
5**	12061.438	43.14	0.92	54.0	10.86	AV	355.00	200	Horizontal	Pass
6	15639.075	55.91	1.39	74.0	18.09	Peak	171.00	100	Horizontal	Pass
6**	15639.075	46.21	1.39	54.0	7.79	AV	171.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.200	38.77	-17.20	74.0	35.23	Peak	66.00	200	Vertical	Pass
1**	1515.200	29.69	-17.20	54.0	24.31	AV	66.00	200	Vertical	Pass
2	4358.800	50.56	-4.13	74.0	23.44	Peak	1.00	100	Vertical	Pass
2**	4358.800	40.40	-4.13	54.0	13.60	AV	1.00	100	Vertical	Pass
3	5237.600	94.78	-2.54	--	--	Peak	195.00	100	Vertical	N/A
3**	5237.600	86.97	-2.54	--	--	AV	195.00	100	Vertical	N/A
4	7263.925	49.94	-3.22	74.0	24.06	Peak	141.00	300	Vertical	Pass
4**	7263.925	39.06	-3.22	54.0	14.94	AV	141.00	300	Vertical	Pass
5	11953.050	53.16	1.26	74.0	20.84	Peak	269.00	200	Vertical	Pass
5**	11953.050	44.05	1.26	54.0	9.95	AV	269.00	200	Vertical	Pass
6	15870.599	55.48	0.59	74.0	18.52	Peak	21.00	100	Vertical	Pass
6**	15870.599	45.84	0.59	54.0	8.16	AV	21.00	100	Vertical	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.500	39.31	-17.02	74.0	34.69	Peak	205.00	300	Horizontal	Pass
1**	1557.500	29.58	-17.02	54.0	24.42	AV	205.00	300	Horizontal	Pass
2	4377.600	50.34	-3.51	74.0	23.66	Peak	205.00	100	Horizontal	Pass
2**	4377.600	41.33	-3.51	54.0	12.67	AV	205.00	100	Horizontal	Pass
3	5188.400	101.93	-2.33	--	--	Peak	135.00	200	Horizontal	N/A
3**	5188.400	94.24	-2.33	--	--	AV	135.00	200	Horizontal	N/A
4	7594.838	49.43	-3.15	74.0	24.57	Peak	312.00	200	Horizontal	Pass
4**	7594.838	39.59	-3.15	54.0	14.41	AV	312.00	200	Horizontal	Pass
5	12392.350	52.78	1.58	74.0	21.22	Peak	139.00	200	Horizontal	Pass
5**	12392.350	44.39	1.58	54.0	9.61	AV	139.00	200	Horizontal	Pass
6	15828.862	56.04	1.53	74.0	17.96	Peak	181.00	200	Horizontal	Pass
6**	15828.862	46.36	1.53	54.0	7.64	AV	181.00	200	Horizontal	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.900	40.04	-16.96	74.0	33.96	Peak	107.00	300	Vertical	Pass
1**	1499.900	33.15	-16.96	54.0	20.85	AV	107.00	300	Vertical	Pass
2	4365.000	50.07	-3.92	74.0	23.93	Peak	185.00	300	Vertical	Pass
2**	4365.000	40.77	-3.92	54.0	13.23	AV	185.00	300	Vertical	Pass
3	5186.600	91.48	-2.39	--	--	Peak	185.00	150	Vertical	N/A
3**	5186.600	83.65	-2.39	--	--	AV	185.00	150	Vertical	N/A
4	7673.900	49.76	-2.34	74.0	24.24	Peak	208.00	400	Vertical	Pass
4**	7673.900	40.90	-2.34	54.0	13.10	AV	208.00	400	Vertical	Pass
5	12269.875	53.39	1.45	74.0	20.61	Peak	208.00	150	Vertical	Pass
5**	12269.875	43.92	1.45	54.0	10.08	AV	208.00	150	Vertical	Pass
6	15839.362	56.00	1.45	74.0	18.00	Peak	80.00	100	Vertical	Pass
6**	15839.362	46.58	1.45	54.0	7.42	AV	80.00	100	Vertical	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.600	38.69	-16.87	74.0	35.31	Peak	55.00	200	Horizontal	Pass
1**	1494.600	29.70	-16.87	54.0	24.30	AV	55.00	200	Horizontal	Pass
2	4378.000	50.04	-3.46	74.0	23.96	Peak	0.00	400	Horizontal	Pass
2**	4378.000	41.74	-3.46	54.0	12.26	AV	0.00	400	Horizontal	Pass
3	5228.200	102.73	-2.75	--	--	Peak	145.00	100	Horizontal	N/A
3**	5228.200	94.60	-2.75	--	--	AV	145.00	100	Horizontal	N/A
4	7533.600	49.56	-2.87	74.0	24.44	Peak	359.00	300	Horizontal	Pass
4**	7533.600	40.26	-2.87	54.0	13.74	AV	359.00	300	Horizontal	Pass
5	12417.937	53.61	1.40	74.0	20.39	Peak	342.00	200	Horizontal	Pass
5**	12417.937	43.43	1.40	54.0	10.57	AV	342.00	200	Horizontal	Pass
6	15612.826	55.80	1.39	74.0	18.20	Peak	344.00	100	Horizontal	Pass
6**	15612.826	46.38	1.39	54.0	7.62	AV	344.00	100	Horizontal	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.600	47.15	-17.03	74.0	26.85	Peak	40.00	100	Vertical	Pass
1**	1329.600	36.43	-17.03	54.0	17.57	AV	40.00	100	Vertical	Pass
2	3703.800	49.33	-5.14	74.0	24.67	Peak	21.00	150	Vertical	Pass
2**	3703.800	38.94	-5.14	54.0	15.06	AV	21.00	150	Vertical	Pass
3	4984.600	52.57	-1.88	74.0	21.43	Peak	262.00	100	Vertical	Pass
3**	4984.600	43.75	-1.88	54.0	10.25	AV	262.00	100	Vertical	Pass
4	5234.600	92.60	-2.74	--	--	Peak	142.00	100	Vertical	N/A
4**	5234.600	84.17	-2.74	--	--	AV	142.00	100	Vertical	N/A
5	11958.513	52.01	0.99	74.0	21.99	Peak	135.00	150	Vertical	Pass
5**	11958.513	43.01	0.99	54.0	10.99	AV	135.00	150	Vertical	Pass
6	16068.263	55.62	1.27	74.0	18.38	Peak	62.00	150	Vertical	Pass
6**	16068.263	46.03	1.27	54.0	7.97	AV	62.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.400	39.18	-17.11	74.0	34.82	Peak	74.00	200	Horizontal	Pass
1**	1569.400	30.23	-17.11	54.0	23.77	AV	74.00	200	Horizontal	Pass
2	4378.200	50.29	-3.44	74.0	23.71	Peak	126.00	400	Horizontal	Pass
2**	4378.200	41.96	-3.44	54.0	12.04	AV	126.00	400	Horizontal	Pass
3	5178.800	104.02	-2.53	--	--	Peak	148.00	150	Horizontal	N/A
3**	5178.800	97.44	-2.53	--	--	AV	148.00	150	Horizontal	N/A
4	7341.550	49.72	-3.12	74.0	24.28	Peak	221.00	200	Horizontal	Pass
4**	7341.550	40.89	-3.12	54.0	13.11	AV	221.00	200	Horizontal	Pass
5	12316.162	53.17	1.41	74.0	20.83	Peak	186.00	100	Horizontal	Pass
5**	12316.162	43.37	1.41	54.0	10.63	AV	186.00	100	Horizontal	Pass
6	16199.775	56.62	1.58	74.0	17.38	Peak	89.00	400	Horizontal	Pass
6**	16199.775	46.43	1.58	54.0	7.57	AV	89.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.400	39.47	-16.90	74.0	34.53	Peak	63.00	200	Vertical	Pass
1**	1621.400	29.54	-16.90	54.0	24.46	AV	63.00	200	Vertical	Pass
2	4377.800	51.57	-3.48	74.0	22.43	Peak	0.00	400	Vertical	Pass
2**	4377.800	43.04	-3.48	54.0	10.96	AV	0.00	400	Vertical	Pass
3	5182.800	94.05	-2.55	--	--	Peak	293.00	150	Vertical	N/A
3**	5182.800	85.98	-2.55	--	--	AV	293.00	150	Vertical	N/A
4	7335.800	49.87	-3.23	74.0	24.13	Peak	48.00	300	Vertical	Pass
4**	7335.800	40.30	-3.23	54.0	13.70	AV	48.00	300	Vertical	Pass
5	12310.412	53.32	1.37	74.0	20.68	Peak	286.00	150	Vertical	Pass
5**	12310.412	44.15	1.37	54.0	9.85	AV	286.00	150	Vertical	Pass
6	15798.412	56.01	2.28	74.0	17.99	Peak	323.00	400	Vertical	Pass
6**	15798.412	46.88	2.28	54.0	7.12	AV	323.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.700	39.40	-16.93	74.0	34.60	Peak	360.00	100	Horizontal	Pass
1**	1586.700	30.02	-16.93	54.0	23.98	AV	360.00	100	Horizontal	Pass
2	4378.800	50.23	-3.38	74.0	23.77	Peak	351.00	200	Horizontal	Pass
2**	4378.800	41.35	-3.38	54.0	12.65	AV	351.00	200	Horizontal	Pass
3	5221.800	105.16	-2.69	--	--	Peak	143.00	100	Horizontal	N/A
3**	5221.800	97.83	-2.69	--	--	AV	143.00	100	Horizontal	N/A
4	7365.125	49.70	-3.36	74.0	24.30	Peak	71.00	400	Horizontal	Pass
4**	7365.125	41.34	-3.36	54.0	12.66	AV	71.00	400	Horizontal	Pass
5	12327.663	52.90	1.42	74.0	21.10	Peak	352.00	100	Horizontal	Pass
5**	12327.663	43.71	1.42	54.0	10.29	AV	352.00	100	Horizontal	Pass
6	15861.412	55.96	0.90	74.0	18.04	Peak	301.00	100	Horizontal	Pass
6**	15861.412	46.13	0.90	54.0	7.87	AV	301.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.100	39.19	-17.16	74.0	34.81	Peak	360.00	400	Vertical	Pass
1**	1597.100	29.82	-17.16	54.0	24.18	AV	360.00	400	Vertical	Pass
2	4379.400	50.58	-3.32	74.0	23.42	Peak	341.00	200	Vertical	Pass
2**	4379.400	41.99	-3.32	54.0	12.01	AV	341.00	200	Vertical	Pass
3	5222.200	94.60	-2.70	--	--	Peak	142.00	100	Vertical	N/A
3**	5222.200	87.78	-2.70	--	--	AV	142.00	100	Vertical	N/A
4	7683.100	49.95	-2.68	74.0	24.05	Peak	240.00	200	Vertical	Pass
4**	7683.100	40.27	-2.68	54.0	13.73	AV	240.00	200	Vertical	Pass
5	12268.438	53.59	1.40	74.0	20.41	Peak	125.00	100	Vertical	Pass
5**	12268.438	43.96	1.40	54.0	10.04	AV	125.00	100	Vertical	Pass
6	15846.713	56.25	1.36	74.0	17.75	Peak	172.00	200	Vertical	Pass
6**	15846.713	46.91	1.36	54.0	7.09	AV	172.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1544.900	38.92	-17.23	74.0	35.08	Peak	150.00	400	Horizontal	Pass
1**	1544.900	29.38	-17.23	54.0	24.62	AV	150.00	400	Horizontal	Pass
2	4380.000	49.81	-3.32	74.0	24.19	Peak	20.00	400	Horizontal	Pass
2**	4380.000	41.81	-3.32	54.0	12.19	AV	20.00	400	Horizontal	Pass
3	5238.600	105.43	-2.59	--	--	Peak	145.00	100	Horizontal	N/A
3**	5238.600	97.57	-2.59	--	--	AV	145.00	100	Horizontal	N/A
4	7334.938	49.80	-3.24	74.0	24.20	Peak	240.00	400	Horizontal	Pass
4**	7334.938	40.64	-3.24	54.0	13.36	AV	240.00	400	Horizontal	Pass
5	12226.175	54.21	1.31	74.0	19.79	Peak	135.00	150	Horizontal	Pass
5**	12226.175	43.59	1.31	54.0	10.41	AV	135.00	150	Horizontal	Pass
6	15849.338	55.43	1.34	74.0	18.57	Peak	94.00	400	Horizontal	Pass
6**	15849.338	46.76	1.34	54.0	7.24	AV	94.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.000	39.66	-17.30	74.0	34.34	Peak	266.00	400	Vertical	Pass
1**	1521.000	29.14	-17.30	54.0	24.86	AV	266.00	400	Vertical	Pass
2	4379.800	51.10	-3.28	74.0	22.90	Peak	317.00	300	Vertical	Pass
2**	4379.800	41.88	-3.28	54.0	12.12	AV	317.00	300	Vertical	Pass
3	5242.000	94.97	-2.48	--	--	Peak	145.00	100	Vertical	N/A
3**	5242.000	87.04	-2.48	--	--	AV	145.00	100	Vertical	N/A
4	7365.412	49.72	-3.34	74.0	24.28	Peak	19.00	100	Vertical	Pass
4**	7365.412	40.75	-3.34	54.0	13.25	AV	19.00	100	Vertical	Pass
5	12488.088	53.17	1.66	74.0	20.83	Peak	54.00	200	Vertical	Pass
5**	12488.088	43.16	1.66	54.0	10.84	AV	54.00	200	Vertical	Pass
6	15507.826	56.02	1.37	74.0	17.98	Peak	322.00	400	Vertical	Pass
6**	15507.826	46.06	1.37	54.0	7.94	AV	322.00	400	Vertical	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.600	38.67	-16.98	74.0	35.33	Peak	41.00	400	Horizontal	Pass
1**	1458.600	29.70	-16.98	54.0	24.30	AV	41.00	400	Horizontal	Pass
2	4379.800	49.83	-3.28	74.0	24.17	Peak	0.00	100	Horizontal	Pass
2**	4379.800	41.84	-3.28	54.0	12.16	AV	0.00	100	Horizontal	Pass
3	5191.600	101.35	-2.25	--	--	Peak	137.00	100	Horizontal	N/A
3**	5191.600	94.19	-2.25	--	--	AV	137.00	100	Horizontal	N/A
4	7627.325	50.47	-2.75	74.0	23.53	Peak	224.00	100	Horizontal	Pass
4**	7627.325	40.45	-2.75	54.0	13.55	AV	224.00	100	Horizontal	Pass
5	12312.424	53.19	1.39	74.0	20.81	Peak	172.00	200	Horizontal	Pass
5**	12312.424	44.05	1.39	54.0	9.95	AV	172.00	200	Horizontal	Pass
6	15508.875	56.37	1.40	74.0	17.63	Peak	360.00	300	Horizontal	Pass
6**	15508.875	46.88	1.40	54.0	7.12	AV	360.00	300	Horizontal	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.100	39.09	-16.72	74.0	34.91	Peak	79.00	100	Vertical	Pass
1**	1485.100	29.47	-16.72	54.0	24.53	AV	79.00	100	Vertical	Pass
2	4386.600	50.14	-3.30	74.0	23.86	Peak	210.00	300	Vertical	Pass
2**	4386.600	41.83	-3.30	54.0	12.17	AV	210.00	300	Vertical	Pass
3	5187.800	91.74	-2.36	--	--	Peak	139.00	200	Vertical	N/A
3**	5187.800	84.05	-2.36	--	--	AV	139.00	200	Vertical	N/A
4	7623.875	49.65	-3.01	74.0	24.35	Peak	360.00	300	Vertical	Pass
4**	7623.875	40.11	-3.01	54.0	13.89	AV	360.00	300	Vertical	Pass
5	12509.362	53.03	1.62	74.0	20.97	Peak	270.00	200	Vertical	Pass
5**	12509.362	42.92	1.62	54.0	11.08	AV	270.00	200	Vertical	Pass
6	15680.026	56.41	1.58	74.0	17.59	Peak	213.00	400	Vertical	Pass
6**	15680.026	46.47	1.58	54.0	7.53	AV	213.00	400	Vertical	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.600	40.09	-16.73	74.0	33.91	Peak	351.00	400	Horizontal	Pass
1**	1489.600	29.94	-16.73	54.0	24.06	AV	351.00	400	Horizontal	Pass
2	4380.400	50.30	-3.39	74.0	23.70	Peak	28.00	100	Horizontal	Pass
2**	4380.400	41.41	-3.39	54.0	12.59	AV	28.00	100	Horizontal	Pass
3	5232.400	102.21	-2.65	--	--	Peak	141.00	100	Horizontal	N/A
3**	5232.400	94.28	-2.65	--	--	AV	141.00	100	Horizontal	N/A
4	7635.375	50.34	-3.01	74.0	23.66	Peak	316.00	200	Horizontal	Pass
4**	7635.375	40.23	-3.01	54.0	13.77	AV	316.00	200	Horizontal	Pass
5	12231.349	53.21	1.26	74.0	20.79	Peak	351.00	150	Horizontal	Pass
5**	12231.349	43.90	1.26	54.0	10.10	AV	351.00	150	Horizontal	Pass
6	15793.950	56.00	2.13	74.0	18.00	Peak	320.00	300	Horizontal	Pass
6**	15793.950	46.88	2.13	54.0	7.12	AV	320.00	300	Horizontal	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.900	39.23	-16.96	74.0	34.77	Peak	109.00	400	Vertical	Pass
1**	1499.900	30.17	-16.96	54.0	23.83	AV	109.00	400	Vertical	Pass
2	4382.000	50.33	-3.64	74.0	23.67	Peak	204.00	100	Vertical	Pass
2**	4382.000	41.83	-3.64	54.0	12.17	AV	204.00	100	Vertical	Pass
3	5225.600	92.60	-2.56	--	--	Peak	146.00	200	Vertical	N/A
3**	5225.600	84.97	-2.56	--	--	AV	146.00	200	Vertical	N/A
4	7673.038	50.11	-2.33	74.0	23.89	Peak	191.00	400	Vertical	Pass
4**	7673.038	40.65	-2.33	54.0	13.35	AV	191.00	400	Vertical	Pass
5	12277.063	53.27	1.69	74.0	20.73	Peak	280.00	150	Vertical	Pass
5**	12277.063	44.43	1.69	54.0	9.57	AV	280.00	150	Vertical	Pass
6	16085.325	56.10	1.52	74.0	17.90	Peak	0.00	200	Vertical	Pass
6**	16085.325	46.04	1.52	54.0	7.96	AV	0.00	200	Vertical	Pass

11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.300	38.99	-17.17	74.0	35.01	Peak	286.00	300	Horizontal	Pass
1**	1534.300	29.56	-17.17	54.0	24.44	AV	286.00	300	Horizontal	Pass
2	4380.400	50.20	-3.39	74.0	23.80	Peak	0.00	200	Horizontal	Pass
2**	4380.400	41.71	-3.39	54.0	12.29	AV	0.00	200	Horizontal	Pass
3	5216.800	99.19	-2.67	--	--	Peak	141.00	100	Horizontal	N/A
3**	5216.800	91.81	-2.67	--	--	AV	141.00	100	Horizontal	N/A
4	7444.475	49.69	-3.22	74.0	24.31	Peak	0.00	400	Horizontal	Pass
4**	7444.475	40.60	-3.22	54.0	13.40	AV	0.00	400	Horizontal	Pass
5	12240.838	53.74	1.06	74.0	20.26	Peak	88.00	150	Horizontal	Pass
5**	12240.838	43.46	1.06	54.0	10.54	AV	88.00	150	Horizontal	Pass
6	16081.125	56.55	1.62	74.0	17.45	Peak	0.00	100	Horizontal	Pass
6**	16081.125	46.34	1.62	54.0	7.66	AV	0.00	100	Horizontal	Pass

11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.700	39.27	-16.81	74.0	34.73	Peak	66.00	300	Vertical	Pass
1**	1585.700	29.45	-16.81	54.0	24.55	AV	66.00	300	Vertical	Pass
2	4371.200	49.93	-4.26	74.0	24.07	Peak	225.00	100	Vertical	Pass
2**	4371.200	40.57	-4.26	54.0	13.43	AV	225.00	100	Vertical	Pass
3	5203.200	89.88	-2.19	--	--	Peak	248.00	100	Vertical	N/A
3**	5203.200	81.65	-2.19	--	--	AV	248.00	100	Vertical	N/A
4	7401.350	49.65	-3.96	74.0	24.35	Peak	37.00	100	Vertical	Pass
4**	7401.350	40.03	-3.96	54.0	13.97	AV	37.00	100	Vertical	Pass
5	12677.838	53.28	0.89	74.0	20.72	Peak	303.00	150	Vertical	Pass
5**	12677.838	42.85	0.89	54.0	11.15	AV	303.00	150	Vertical	Pass
6	15522.787	56.08	1.39	74.0	17.92	Peak	175.00	300	Vertical	Pass
6**	15522.787	45.78	1.39	54.0	8.22	AV	175.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1610.500	38.97	-17.12	74.0	35.03	Peak	16.00	300	Horizontal	Pass
1**	1610.500	29.35	-17.12	54.0	24.65	AV	16.00	300	Horizontal	Pass
2	4377.800	50.02	-3.48	74.0	23.98	Peak	219.00	300	Horizontal	Pass
2**	4377.800	41.57	-3.48	54.0	12.43	AV	219.00	300	Horizontal	Pass
3	5259.000	106.07	-1.76	--	--	Peak	135.00	200	Horizontal	N/A
3**	5259.000	98.88	-1.76	--	--	AV	135.00	200	Horizontal	N/A
4	7341.837	50.78	-3.15	74.0	23.22	Peak	144.00	400	Horizontal	Pass
4**	7341.837	41.19	-3.15	54.0	12.81	AV	144.00	400	Horizontal	Pass
5	12446.401	53.83	1.83	74.0	20.17	Peak	63.00	100	Horizontal	Pass
5**	12446.401	44.11	1.83	54.0	9.89	AV	63.00	100	Horizontal	Pass
6	15786.863	55.59	1.88	74.0	18.41	Peak	269.00	300	Horizontal	Pass
6**	15786.863	46.17	1.88	54.0	7.83	AV	269.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.000	40.39	-16.94	74.0	33.61	Peak	116.00	300	Vertical	Pass
1**	1500.000	29.58	-16.94	54.0	24.42	AV	116.00	300	Vertical	Pass
2	4384.200	50.42	-3.61	74.0	23.58	Peak	322.00	200	Vertical	Pass
2**	4384.200	41.05	-3.61	54.0	12.95	AV	322.00	200	Vertical	Pass
3	5262.200	97.00	-2.22	--	--	Peak	144.00	150	Vertical	N/A
3**	5262.200	88.86	-2.22	--	--	AV	144.00	150	Vertical	N/A
4	7330.337	49.63	-3.45	74.0	24.37	Peak	79.00	400	Vertical	Pass
4**	7330.337	40.57	-3.45	54.0	13.43	AV	79.00	400	Vertical	Pass
5	12287.700	52.88	1.72	74.0	21.12	Peak	273.00	100	Vertical	Pass
5**	12287.700	44.21	1.72	54.0	9.79	AV	273.00	100	Vertical	Pass
6	15852.225	55.33	1.27	74.0	18.67	Peak	270.00	300	Vertical	Pass
6**	15852.225	46.09	1.27	54.0	7.91	AV	270.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.100	38.72	-17.09	74.0	35.28	Peak	120.00	400	Horizontal	Pass
1**	1538.100	29.93	-17.09	54.0	24.07	AV	120.00	400	Horizontal	Pass
2	4382.200	50.43	-3.64	74.0	23.57	Peak	329.00	100	Horizontal	Pass
2**	4382.200	42.34	-3.64	54.0	11.66	AV	329.00	100	Horizontal	Pass
3	5296.600	105.95	-2.89	--	--	Peak	144.00	150	Horizontal	N/A
3**	5296.600	98.75	-2.89	--	--	AV	144.00	150	Horizontal	N/A
4	7686.837	49.90	-2.03	74.0	24.10	Peak	109.00	400	Horizontal	Pass
4**	7686.837	40.49	-2.03	54.0	13.51	AV	109.00	400	Horizontal	Pass
5	12279.075	53.56	1.77	74.0	20.44	Peak	0.00	100	Horizontal	Pass
5**	12279.075	44.13	1.77	54.0	9.87	AV	0.00	100	Horizontal	Pass
6	15507.299	55.68	1.35	74.0	18.32	Peak	343.00	200	Horizontal	Pass
6**	15507.299	45.60	1.35	54.0	8.40	AV	343.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.800	39.29	-16.95	74.0	34.71	Peak	304.00	400	Vertical	Pass
1**	1540.800	29.67	-16.95	54.0	24.33	AV	304.00	400	Vertical	Pass
2	4390.200	49.94	-3.31	74.0	24.06	Peak	309.00	400	Vertical	Pass
2**	4390.200	41.74	-3.31	54.0	12.26	AV	309.00	400	Vertical	Pass
3	5301.200	97.55	-2.82	--	--	Peak	141.00	100	Vertical	N/A
3**	5301.200	89.99	-2.82	--	--	AV	141.00	100	Vertical	N/A
4	7678.788	50.60	-2.47	74.0	23.40	Peak	360.00	100	Vertical	Pass
4**	7678.788	41.07	-2.47	54.0	12.93	AV	360.00	100	Vertical	Pass
5	11947.300	53.47	1.47	74.0	20.53	Peak	204.00	100	Vertical	Pass
5**	11947.300	43.15	1.47	54.0	10.85	AV	204.00	100	Vertical	Pass
6	15508.350	55.97	1.39	74.0	18.03	Peak	1.00	300	Vertical	Pass
6**	15508.350	46.64	1.39	54.0	7.36	AV	1.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.500	39.18	-17.03	74.0	34.82	Peak	159.00	400	Horizontal	Pass
1**	1587.500	29.80	-17.03	54.0	24.20	AV	159.00	400	Horizontal	Pass
2	4385.000	50.78	-3.47	74.0	23.22	Peak	49.00	300	Horizontal	Pass
2**	4385.000	41.13	-3.47	54.0	12.87	AV	49.00	300	Horizontal	Pass
3	5321.600	106.39	-2.21	--	--	Peak	143.00	150	Horizontal	N/A
3**	5321.600	98.84	-2.21	--	--	AV	143.00	150	Horizontal	N/A
4	7353.050	50.01	-3.82	74.0	23.99	Peak	258.00	100	Horizontal	Pass
4**	7353.050	39.71	-3.82	54.0	14.29	AV	258.00	100	Horizontal	Pass
5	12313.575	53.35	1.39	74.0	20.65	Peak	14.00	100	Horizontal	Pass
5**	12313.575	44.53	1.39	54.0	9.47	AV	14.00	100	Horizontal	Pass
6	15513.338	55.80	1.41	74.0	18.20	Peak	287.00	100	Horizontal	Pass
6**	15513.338	46.24	1.41	54.0	7.76	AV	287.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.800	39.03	-16.94	74.0	34.97	Peak	123.00	300	Vertical	Pass
1**	1496.800	29.03	-16.94	54.0	24.97	AV	123.00	300	Vertical	Pass
2	4392.000	49.84	-3.50	74.0	24.16	Peak	141.00	100	Vertical	Pass
2**	4392.000	41.90	-3.50	54.0	12.10	AV	141.00	100	Vertical	Pass
3	5322.600	97.62	-1.95	--	--	Peak	141.00	200	Vertical	N/A
3**	5322.600	90.19	-1.95	--	--	AV	141.00	200	Vertical	N/A
4	7569.825	48.84	-2.97	74.0	25.16	Peak	79.00	100	Vertical	Pass
4**	7569.825	39.27	-2.97	54.0	14.73	AV	79.00	100	Vertical	Pass
5	11951.037	52.82	1.35	74.0	21.18	Peak	200.00	150	Vertical	Pass
5**	11951.037	43.08	1.35	54.0	10.92	AV	200.00	150	Vertical	Pass
6	15512.549	55.82	1.42	74.0	18.18	Peak	199.00	100	Vertical	Pass
6**	15512.549	47.00	1.42	54.0	7.00	AV	199.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.700	38.91	-17.00	74.0	35.09	Peak	331.00	100	Horizontal	Pass
1**	1482.700	30.31	-17.00	54.0	23.69	AV	331.00	100	Horizontal	Pass
2	4387.600	50.31	-3.37	74.0	23.69	Peak	284.00	200	Horizontal	Pass
2**	4387.600	41.96	-3.37	54.0	12.04	AV	284.00	200	Horizontal	Pass
3	5258.800	105.50	-1.76	--	--	Peak	147.00	150	Horizontal	N/A
3**	5258.800	98.13	-1.76	--	--	AV	147.00	150	Horizontal	N/A
4	7484.725	49.83	-3.55	74.0	24.17	Peak	210.00	400	Horizontal	Pass
4**	7484.725	39.30	-3.55	54.0	14.70	AV	210.00	400	Horizontal	Pass
5	12233.362	53.56	1.21	74.0	20.44	Peak	127.00	100	Horizontal	Pass
5**	12233.362	44.36	1.21	54.0	9.64	AV	127.00	100	Horizontal	Pass
6	15782.400	56.15	1.67	74.0	17.85	Peak	78.00	400	Horizontal	Pass
6**	15782.400	46.45	1.67	54.0	7.55	AV	78.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.900	40.62	-16.88	74.0	33.38	Peak	116.00	400	Vertical	Pass
1**	1492.900	31.45	-16.88	54.0	22.55	AV	116.00	400	Vertical	Pass
2	4388.400	49.96	-3.40	74.0	24.04	Peak	21.00	300	Vertical	Pass
2**	4388.400	41.01	-3.40	54.0	12.99	AV	21.00	300	Vertical	Pass
3	5261.600	96.98	-2.08	--	--	Peak	149.00	150	Vertical	N/A
3**	5261.600	88.96	-2.08	--	--	AV	149.00	150	Vertical	N/A
4	7687.413	50.22	-2.12	74.0	23.78	Peak	0.00	300	Vertical	Pass
4**	7687.413	40.44	-2.12	54.0	13.56	AV	0.00	300	Vertical	Pass
5	12219.275	53.11	1.22	74.0	20.89	Peak	13.00	150	Vertical	Pass
5**	12219.275	43.41	1.22	54.0	10.59	AV	13.00	150	Vertical	Pass
6	15833.062	56.51	1.47	74.0	17.49	Peak	193.00	200	Vertical	Pass
6**	15833.062	46.48	1.47	54.0	7.52	AV	193.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.800	38.73	-17.26	74.0	35.27	Peak	0.00	200	Horizontal	Pass
1**	1575.800	29.66	-17.26	54.0	24.34	AV	0.00	200	Horizontal	Pass
2	4135.200	50.21	-4.74	74.0	23.79	Peak	174.00	100	Horizontal	Pass
2**	4135.200	40.42	-4.74	54.0	13.58	AV	174.00	100	Horizontal	Pass
3	5298.800	105.89	-2.90	--	--	Peak	141.00	200	Horizontal	N/A
3**	5298.800	97.97	-2.90	--	--	AV	141.00	200	Horizontal	N/A
4	7732.550	49.72	-2.19	74.0	24.28	Peak	260.00	300	Horizontal	Pass
4**	7732.550	40.11	-2.19	54.0	13.89	AV	260.00	300	Horizontal	Pass
5	12069.775	53.48	0.79	74.0	20.52	Peak	94.00	100	Horizontal	Pass
5**	12069.775	42.87	0.79	54.0	11.13	AV	94.00	100	Horizontal	Pass
6	15842.513	56.40	1.41	74.0	17.60	Peak	339.00	300	Horizontal	Pass
6**	15842.513	46.49	1.41	54.0	7.51	AV	339.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.400	39.30	-16.82	74.0	34.70	Peak	52.00	300	Vertical	Pass
1**	1562.400	29.90	-16.82	54.0	24.10	AV	52.00	300	Vertical	Pass
2	4378.200	49.72	-3.44	74.0	24.28	Peak	276.00	200	Vertical	Pass
2**	4378.200	41.55	-3.44	54.0	12.45	AV	276.00	200	Vertical	Pass
3	5299.000	96.52	-2.92	--	--	Peak	150.00	200	Vertical	N/A
3**	5299.000	89.28	-2.92	--	--	AV	150.00	200	Vertical	N/A
4	7452.237	49.37	-3.16	74.0	24.63	Peak	89.00	200	Vertical	Pass
4**	7452.237	40.78	-3.16	54.0	13.22	AV	89.00	200	Vertical	Pass
5	12261.826	53.06	1.15	74.0	20.94	Peak	0.00	200	Vertical	Pass
5**	12261.826	43.32	1.15	54.0	10.68	AV	0.00	200	Vertical	Pass
6	16082.700	56.07	1.58	74.0	17.93	Peak	175.00	200	Vertical	Pass
6**	16082.700	46.28	1.58	54.0	7.72	AV	175.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.300	39.89	-16.71	74.0	34.11	Peak	11.00	200	Horizontal	Pass
1**	1486.300	29.42	-16.71	54.0	24.58	AV	11.00	200	Horizontal	Pass
2	4392.400	50.29	-3.55	74.0	23.71	Peak	187.00	100	Horizontal	Pass
2**	4392.400	41.40	-3.55	54.0	12.60	AV	187.00	100	Horizontal	Pass
3	5322.600	105.94	-1.95	--	--	Peak	144.00	150	Horizontal	N/A
3**	5322.600	97.96	-1.95	--	--	AV	144.00	150	Horizontal	N/A
4	7437.287	49.29	-3.42	74.0	24.71	Peak	164.00	300	Horizontal	Pass
4**	7437.287	40.27	-3.42	54.0	13.73	AV	164.00	300	Horizontal	Pass
5	12280.800	52.84	1.80	74.0	21.16	Peak	0.00	150	Horizontal	Pass
5**	12280.800	43.83	1.80	54.0	10.17	AV	0.00	150	Horizontal	Pass
6	15798.674	56.29	2.29	74.0	17.71	Peak	281.00	200	Horizontal	Pass
6**	15798.674	46.40	2.29	54.0	7.60	AV	281.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.400	40.08	-16.87	74.0	33.92	Peak	99.00	100	Vertical	Pass
1**	1494.400	29.43	-16.87	54.0	24.57	AV	99.00	100	Vertical	Pass
2	4391.000	50.28	-3.38	74.0	23.72	Peak	317.00	200	Vertical	Pass
2**	4391.000	41.58	-3.38	54.0	12.42	AV	317.00	200	Vertical	Pass
3	5321.400	97.34	-2.26	--	--	Peak	152.00	150	Vertical	N/A
3**	5321.400	89.55	-2.26	--	--	AV	152.00	150	Vertical	N/A
4	7529.575	50.04	-2.83	74.0	23.96	Peak	102.00	400	Vertical	Pass
4**	7529.575	39.42	-2.83	54.0	14.58	AV	102.00	400	Vertical	Pass
5	12212.088	53.16	1.09	74.0	20.84	Peak	201.00	100	Vertical	Pass
5**	12212.088	42.80	1.09	54.0	11.20	AV	201.00	100	Vertical	Pass
6	15866.662	56.33	0.75	74.0	17.67	Peak	280.00	200	Vertical	Pass
6**	15866.662	46.77	0.75	54.0	7.23	AV	280.00	200	Vertical	Pass

11n40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.500	38.81	-17.37	74.0	35.19	Peak	135.00	300	Horizontal	Pass
1**	1594.500	29.60	-17.37	54.0	24.40	AV	135.00	300	Horizontal	Pass
2	4382.600	50.29	-3.64	74.0	23.71	Peak	341.00	300	Horizontal	Pass
2**	4382.600	41.54	-3.64	54.0	12.46	AV	341.00	300	Horizontal	Pass
3	5271.400	103.04	-2.58	--	--	Peak	136.00	150	Horizontal	N/A
3**	5271.400	95.77	-2.58	--	--	AV	136.00	150	Horizontal	N/A
4	7356.212	49.81	-3.81	74.0	24.19	Peak	114.00	300	Horizontal	Pass
4**	7356.212	40.18	-3.81	54.0	13.82	AV	114.00	300	Horizontal	Pass
5	12248.313	53.31	0.97	74.0	20.69	Peak	360.00	100	Horizontal	Pass
5**	12248.313	43.67	0.97	54.0	10.33	AV	360.00	100	Horizontal	Pass
6	16144.388	55.71	1.04	74.0	18.29	Peak	0.00	300	Horizontal	Pass
6**	16144.388	46.66	1.04	54.0	7.34	AV	0.00	300	Horizontal	Pass

11n40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.400	39.62	-16.88	74.0	34.38	Peak	102.00	200	Vertical	Pass
1**	1493.400	29.53	-16.88	54.0	24.47	AV	102.00	200	Vertical	Pass
2	4374.000	50.04	-3.92	74.0	23.96	Peak	285.00	100	Vertical	Pass
2**	4374.000	40.50	-3.92	54.0	13.50	AV	285.00	100	Vertical	Pass
3	5271.600	94.06	-2.61	--	--	Peak	145.00	200	Vertical	N/A
3**	5271.600	86.63	-2.61	--	--	AV	145.00	200	Vertical	N/A
4	7338.387	49.53	-2.90	74.0	24.47	Peak	230.00	100	Vertical	Pass
4**	7338.387	40.79	-2.90	54.0	13.21	AV	230.00	100	Vertical	Pass
5	12603.662	53.00	1.91	74.0	21.00	Peak	360.00	200	Vertical	Pass
5**	12603.662	44.45	1.91	54.0	9.55	AV	360.00	200	Vertical	Pass
6	15826.237	56.43	1.60	74.0	17.57	Peak	226.00	400	Vertical	Pass
6**	15826.237	46.38	1.60	54.0	7.62	AV	226.00	400	Vertical	Pass

11n40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.300	39.32	-17.09	74.0	34.68	Peak	113.00	300	Horizontal	Pass
1**	1624.300	29.12	-17.09	54.0	24.88	AV	113.00	300	Horizontal	Pass
2	4392.800	49.90	-3.61	74.0	24.10	Peak	149.00	400	Horizontal	Pass
2**	4392.800	40.63	-3.61	54.0	13.37	AV	149.00	400	Horizontal	Pass
3	5314.400	103.48	-2.35	--	--	Peak	138.00	100	Horizontal	N/A
3**	5314.400	95.02	-2.35	--	--	AV	138.00	100	Horizontal	N/A
4	7364.837	49.72	-3.42	74.0	24.28	Peak	98.00	400	Horizontal	Pass
4**	7364.837	39.92	-3.42	54.0	14.08	AV	98.00	400	Horizontal	Pass
5	12611.713	52.71	1.89	74.0	21.29	Peak	148.00	100	Horizontal	Pass
5**	12611.713	43.12	1.89	54.0	10.88	AV	148.00	100	Horizontal	Pass
6	16083.488	56.13	1.56	74.0	17.87	Peak	68.00	100	Horizontal	Pass
6**	16083.488	46.61	1.56	54.0	7.39	AV	68.00	100	Horizontal	Pass

11n40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.300	39.26	-16.88	74.0	34.74	Peak	106.00	200	Vertical	Pass
1**	1500.300	29.57	-16.88	54.0	24.43	AV	106.00	200	Vertical	Pass
2	4389.800	50.03	-3.33	74.0	23.97	Peak	152.00	100	Vertical	Pass
2**	4389.800	41.04	-3.33	54.0	12.96	AV	152.00	100	Vertical	Pass
3	5312.000	95.74	-2.34	--	--	Peak	140.00	200	Vertical	N/A
3**	5312.000	87.84	-2.34	--	--	AV	140.00	200	Vertical	N/A
4	7685.975	49.27	-1.99	74.0	24.73	Peak	311.00	200	Vertical	Pass
4**	7685.975	40.90	-1.99	54.0	13.10	AV	311.00	200	Vertical	Pass
5	12433.750	53.32	1.66	74.0	20.68	Peak	208.00	150	Vertical	Pass
5**	12433.750	43.51	1.66	54.0	10.49	AV	208.00	150	Vertical	Pass
6	15820.200	56.81	1.87	74.0	17.19	Peak	8.00	300	Vertical	Pass
6**	15820.200	46.95	1.87	54.0	7.05	AV	8.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1544.500	39.02	-17.25	74.0	34.98	Peak	204.00	200	Horizontal	Pass
1**	1544.500	29.58	-17.25	54.0	24.42	AV	204.00	200	Horizontal	Pass
2	4176.800	50.01	-4.83	74.0	23.99	Peak	329.00	300	Horizontal	Pass
2**	4176.800	40.17	-4.83	54.0	13.83	AV	329.00	300	Horizontal	Pass
3	5259.200	105.34	-1.76	--	--	Peak	143.00	150	Horizontal	N/A
3**	5259.200	98.27	-1.76	--	--	AV	143.00	150	Horizontal	N/A
4	7496.513	49.39	-3.59	74.0	24.61	Peak	360.00	200	Horizontal	Pass
4**	7496.513	40.05	-3.59	54.0	13.95	AV	360.00	200	Horizontal	Pass
5	12247.162	53.28	0.99	74.0	20.72	Peak	273.00	200	Horizontal	Pass
5**	12247.162	43.91	0.99	54.0	10.09	AV	273.00	200	Horizontal	Pass
6	15823.350	55.99	1.72	74.0	18.01	Peak	153.00	100	Horizontal	Pass
6**	15823.350	46.86	1.72	54.0	7.14	AV	153.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.300	39.01	-16.87	74.0	34.99	Peak	214.00	100	Vertical	Pass
1**	1494.300	29.67	-16.87	54.0	24.33	AV	214.00	100	Vertical	Pass
2	4392.800	51.35	-3.61	74.0	22.65	Peak	107.00	400	Vertical	Pass
2**	4392.800	42.39	-3.61	54.0	11.61	AV	107.00	400	Vertical	Pass
3	5258.600	96.65	-1.77	--	--	Peak	140.00	150	Vertical	N/A
3**	5258.600	89.88	-1.77	--	--	AV	140.00	150	Vertical	N/A
4	7347.013	49.34	-3.63	74.0	24.66	Peak	360.00	400	Vertical	Pass
4**	7347.013	40.36	-3.63	54.0	13.64	AV	360.00	400	Vertical	Pass
5	10932.712	52.80	0.03	74.0	21.20	Peak	215.00	100	Vertical	Pass
5**	10932.712	43.98	0.03	54.0	10.02	AV	215.00	100	Vertical	Pass
6	15837.000	55.64	1.45	74.0	18.36	Peak	0.00	400	Vertical	Pass
6**	15837.000	46.77	1.45	54.0	7.23	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.800	39.34	-17.37	74.0	34.66	Peak	190.00	300	Horizontal	Pass
1**	1466.800	30.06	-17.37	54.0	23.94	AV	190.00	300	Horizontal	Pass
2	4285.400	50.35	-4.26	74.0	23.65	Peak	107.00	300	Horizontal	Pass
2**	4285.400	41.22	-4.26	54.0	12.78	AV	107.00	300	Horizontal	Pass
3	5298.200	106.32	-2.86	--	--	Peak	141.00	200	Horizontal	N/A
3**	5298.200	98.38	-2.86	--	--	AV	141.00	200	Horizontal	N/A
4	7345.000	49.42	-3.49	74.0	24.58	Peak	128.00	100	Horizontal	Pass
4**	7345.000	41.38	-3.49	54.0	12.62	AV	128.00	100	Horizontal	Pass
5	12338.588	53.48	1.30	74.0	20.52	Peak	34.00	100	Horizontal	Pass
5**	12338.588	43.56	1.30	54.0	10.44	AV	34.00	100	Horizontal	Pass
6	15399.412	57.18	0.75	74.0	16.82	Peak	360.00	300	Horizontal	Pass
6**	15399.412	45.79	0.75	54.0	8.21	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.900	39.41	-16.96	74.0	34.59	Peak	111.00	400	Vertical	Pass
1**	1499.900	29.38	-16.96	54.0	24.62	AV	111.00	400	Vertical	Pass
2	4384.600	50.03	-3.54	74.0	23.97	Peak	178.00	400	Vertical	Pass
2**	4384.600	41.21	-3.54	54.0	12.79	AV	178.00	400	Vertical	Pass
3	5302.600	97.19	-2.72	--	--	Peak	145.00	150	Vertical	N/A
3**	5302.600	89.96	-2.72	--	--	AV	145.00	150	Vertical	N/A
4	7336.950	49.83	-3.01	74.0	24.17	Peak	360.00	100	Vertical	Pass
4**	7336.950	40.95	-3.01	54.0	13.05	AV	360.00	100	Vertical	Pass
5	12279.075	52.98	1.77	74.0	21.02	Peak	350.00	150	Vertical	Pass
5**	12279.075	44.17	1.77	54.0	9.83	AV	350.00	150	Vertical	Pass
6	15814.950	55.92	2.06	74.0	18.08	Peak	0.00	400	Vertical	Pass
6**	15814.950	47.15	2.06	54.0	6.85	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.100	39.10	-17.24	74.0	34.90	Peak	61.00	300	Horizontal	Pass
1**	1612.100	29.85	-17.24	54.0	24.15	AV	61.00	300	Horizontal	Pass
2	4394.200	50.07	-3.81	74.0	23.93	Peak	71.00	300	Horizontal	Pass
2**	4394.200	41.55	-3.81	54.0	12.45	AV	71.00	300	Horizontal	Pass
3	5318.000	105.73	-2.47	--	--	Peak	144.00	200	Horizontal	N/A
3**	5318.000	98.25	-2.47	--	--	AV	144.00	200	Horizontal	N/A
4	7342.987	49.98	-3.31	74.0	24.02	Peak	222.00	300	Horizontal	Pass
4**	7342.987	41.18	-3.31	54.0	12.82	AV	222.00	300	Horizontal	Pass
5	12302.937	53.03	1.42	74.0	20.97	Peak	360.00	200	Horizontal	Pass
5**	12302.937	43.46	1.42	54.0	10.54	AV	360.00	200	Horizontal	Pass
6	15799.725	55.59	2.33	74.0	18.41	Peak	167.00	100	Horizontal	Pass
6**	15799.725	47.01	2.33	54.0	6.99	AV	167.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.000	38.89	-17.03	74.0	35.11	Peak	0.00	100	Vertical	Pass
1**	1584.000	29.78	-17.03	54.0	24.22	AV	0.00	100	Vertical	Pass
2	4224.600	50.09	-4.25	74.0	23.91	Peak	316.00	100	Vertical	Pass
2**	4224.600	39.57	-4.25	54.0	14.43	AV	316.00	100	Vertical	Pass
3	5318.800	98.07	-2.36	--	--	Peak	150.00	100	Vertical	N/A
3**	5318.800	90.30	-2.36	--	--	AV	150.00	100	Vertical	N/A
4	7621.000	49.40	-2.74	74.0	24.60	Peak	119.00	100	Vertical	Pass
4**	7621.000	40.16	-2.74	54.0	13.84	AV	119.00	100	Vertical	Pass
5	12290.288	53.00	1.66	74.0	21.00	Peak	85.00	100	Vertical	Pass
5**	12290.288	43.91	1.66	54.0	10.09	AV	85.00	100	Vertical	Pass
6	16031.250	55.92	0.72	74.0	18.08	Peak	155.00	100	Vertical	Pass
6**	16031.250	46.02	0.72	54.0	7.98	AV	155.00	100	Vertical	Pass

11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.700	39.39	-16.88	74.0	34.61	Peak	43.00	100	Horizontal	Pass
1**	1493.700	30.35	-16.88	54.0	23.65	AV	43.00	100	Horizontal	Pass
2	4377.200	49.80	-3.65	74.0	24.20	Peak	84.00	400	Horizontal	Pass
2**	4377.200	41.28	-3.65	54.0	12.72	AV	84.00	400	Horizontal	Pass
3	5271.600	103.20	-2.61	--	--	Peak	142.00	200	Horizontal	N/A
3**	5271.600	95.66	-2.61	--	--	AV	142.00	200	Horizontal	N/A
4	7349.887	49.74	-3.65	74.0	24.26	Peak	299.00	100	Horizontal	Pass
4**	7349.887	41.00	-3.65	54.0	13.00	AV	299.00	100	Horizontal	Pass
5	12238.537	53.26	1.09	74.0	20.74	Peak	149.00	100	Horizontal	Pass
5**	12238.537	43.54	1.09	54.0	10.46	AV	149.00	100	Horizontal	Pass
6	15504.151	55.65	1.26	74.0	18.35	Peak	58.00	400	Horizontal	Pass
6**	15504.151	46.39	1.26	54.0	7.61	AV	58.00	400	Horizontal	Pass

11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.300	39.09	-17.17	74.0	34.91	Peak	324.00	200	Vertical	Pass
1**	1534.300	28.82	-17.17	54.0	25.18	AV	324.00	200	Vertical	Pass
2	4301.400	50.58	-4.30	74.0	23.42	Peak	254.00	100	Vertical	Pass
2**	4301.400	40.77	-4.30	54.0	13.23	AV	254.00	100	Vertical	Pass
3	5271.600	94.57	-2.61	--	--	Peak	148.00	200	Vertical	N/A
3**	5271.600	87.00	-2.61	--	--	AV	148.00	200	Vertical	N/A
4	7569.825	49.75	-2.97	74.0	24.25	Peak	360.00	300	Vertical	Pass
4**	7569.825	39.69	-2.97	54.0	14.31	AV	360.00	300	Vertical	Pass
5	12302.937	53.19	1.42	74.0	20.81	Peak	0.00	200	Vertical	Pass
5**	12302.937	43.63	1.42	54.0	10.37	AV	0.00	200	Vertical	Pass
6	15795.787	55.97	2.19	74.0	18.03	Peak	342.00	100	Vertical	Pass
6**	15795.787	46.88	2.19	54.0	7.12	AV	342.00	100	Vertical	Pass

11ac40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.100	39.35	-16.82	74.0	34.65	Peak	19.00	200	Horizontal	Pass
1**	1491.100	29.65	-16.82	54.0	24.35	AV	19.00	200	Horizontal	Pass
2	4393.400	50.81	-3.70	74.0	23.19	Peak	105.00	100	Horizontal	Pass
2**	4393.400	41.94	-3.70	54.0	12.06	AV	105.00	100	Horizontal	Pass
3	5310.800	103.67	-2.36	--	--	Peak	133.00	100	Horizontal	N/A
3**	5310.800	94.20	-2.36	--	--	AV	133.00	100	Horizontal	N/A
4	7685.687	49.98	-2.09	74.0	24.02	Peak	248.00	300	Horizontal	Pass
4**	7685.687	40.28	-2.09	54.0	13.72	AV	248.00	300	Horizontal	Pass
5	12242.275	53.76	1.04	74.0	20.24	Peak	86.00	150	Horizontal	Pass
5**	12242.275	43.70	1.04	54.0	10.30	AV	86.00	150	Horizontal	Pass
6	16025.213	55.43	0.68	74.0	18.57	Peak	146.00	100	Horizontal	Pass
6**	16025.213	46.07	0.68	54.0	7.93	AV	146.00	100	Horizontal	Pass

11ac40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.800	39.80	-16.76	74.0	34.20	Peak	45.00	100	Vertical	Pass
1**	1484.800	29.90	-16.76	54.0	24.10	AV	45.00	100	Vertical	Pass
2	4380.400	50.72	-3.39	74.0	23.28	Peak	328.00	400	Vertical	Pass
2**	4380.400	41.07	-3.39	54.0	12.93	AV	328.00	400	Vertical	Pass
3	5308.000	95.60	-2.32	--	--	Peak	151.00	200	Vertical	N/A
3**	5308.000	88.09	-2.32	--	--	AV	151.00	200	Vertical	N/A
4	7722.487	49.72	-2.63	74.0	24.28	Peak	297.00	200	Vertical	Pass
4**	7722.487	39.96	-2.63	54.0	14.04	AV	297.00	200	Vertical	Pass
5	12283.675	52.91	1.78	74.0	21.09	Peak	0.00	100	Vertical	Pass
5**	12283.675	44.00	1.78	54.0	10.00	AV	0.00	100	Vertical	Pass
6	15858.525	56.06	1.01	74.0	17.94	Peak	300.00	100	Vertical	Pass
6**	15858.525	46.76	1.01	54.0	7.24	AV	300.00	100	Vertical	Pass

11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.800	38.71	-16.98	74.0	35.29	Peak	50.00	300	Horizontal	Pass
1**	1501.800	29.63	-16.98	54.0	24.37	AV	50.00	300	Horizontal	Pass
2	4386.000	50.36	-3.30	74.0	23.64	Peak	39.00	300	Horizontal	Pass
2**	4386.000	41.89	-3.30	54.0	12.11	AV	39.00	300	Horizontal	Pass
3	5282.800	100.77	-2.58	--	--	Peak	137.00	200	Horizontal	N/A
3**	5282.800	94.07	-2.58	--	--	AV	137.00	200	Horizontal	N/A
4	7347.875	49.71	-3.73	74.0	24.29	Peak	170.00	200	Horizontal	Pass
4**	7347.875	39.85	-3.73	54.0	14.15	AV	170.00	200	Horizontal	Pass
5	12329.675	53.00	1.42	74.0	21.00	Peak	148.00	150	Horizontal	Pass
5**	12329.675	44.35	1.42	54.0	9.65	AV	148.00	150	Horizontal	Pass
6	15503.625	56.13	1.25	74.0	17.87	Peak	208.00	300	Horizontal	Pass
6**	15503.625	45.97	1.25	54.0	8.03	AV	208.00	300	Horizontal	Pass

11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.600	38.89	-17.34	74.0	35.11	Peak	38.00	300	Vertical	Pass
1**	1598.600	29.07	-17.34	54.0	24.93	AV	38.00	300	Vertical	Pass
2	4380.000	49.94	-3.32	74.0	24.06	Peak	203.00	300	Vertical	Pass
2**	4380.000	42.69	-3.32	54.0	11.31	AV	203.00	300	Vertical	Pass
3	5288.000	91.56	-2.71	--	--	Peak	148.00	150	Vertical	N/A
3**	5288.000	83.93	-2.71	--	--	AV	148.00	150	Vertical	N/A
4	7610.075	49.33	-2.88	74.0	24.67	Peak	0.00	300	Vertical	Pass
4**	7610.075	40.22	-2.88	54.0	13.78	AV	0.00	300	Vertical	Pass
5	12245.437	53.17	1.01	74.0	20.83	Peak	258.00	200	Vertical	Pass
5**	12245.437	43.61	1.01	54.0	10.39	AV	258.00	200	Vertical	Pass
6	16073.250	55.57	1.47	74.0	18.43	Peak	0.00	200	Vertical	Pass
6**	16073.250	47.34	1.47	54.0	6.66	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.900	39.54	-16.72	74.0	34.46	Peak	59.00	400	Horizontal	Pass
1**	1489.900	29.74	-16.72	54.0	24.26	AV	59.00	400	Horizontal	Pass
2	4389.600	50.39	-3.34	74.0	23.61	Peak	201.00	300	Horizontal	Pass
2**	4389.600	41.26	-3.34	54.0	12.74	AV	201.00	300	Horizontal	Pass
3	5498.800	105.70	-1.67	--	--	Peak	170.00	100	Horizontal	N/A
3**	5498.800	97.48	-1.67	--	--	AV	170.00	100	Horizontal	N/A
4	7341.550	49.81	-3.12	74.0	24.19	Peak	66.00	300	Horizontal	Pass
4**	7341.550	40.89	-3.12	54.0	13.11	AV	66.00	300	Horizontal	Pass
5	12323.925	53.11	1.42	74.0	20.89	Peak	0.00	100	Horizontal	Pass
5**	12323.925	44.10	1.42	54.0	9.90	AV	0.00	100	Horizontal	Pass
6	15828.076	55.75	1.55	74.0	18.25	Peak	360.00	200	Horizontal	Pass
6**	15828.076	46.20	1.55	54.0	7.80	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.000	39.42	-17.17	74.0	34.58	Peak	111.00	100	Vertical	Pass
1**	1498.000	28.97	-17.17	54.0	25.03	AV	111.00	100	Vertical	Pass
2	4386.600	50.55	-3.30	74.0	23.45	Peak	146.00	400	Vertical	Pass
2**	4386.600	42.15	-3.30	54.0	11.85	AV	146.00	400	Vertical	Pass
3	5501.400	94.00	-1.43	--	--	Peak	28.00	100	Vertical	N/A
3**	5501.400	86.89	-1.43	--	--	AV	28.00	100	Vertical	N/A
4	7626.462	49.84	-2.69	74.0	24.16	Peak	0.00	200	Vertical	Pass
4**	7626.462	40.64	-2.69	54.0	13.36	AV	0.00	200	Vertical	Pass
5	12433.463	52.87	1.65	74.0	21.13	Peak	299.00	150	Vertical	Pass
5**	12433.463	43.23	1.65	54.0	10.77	AV	299.00	150	Vertical	Pass
6	15803.924	55.98	2.28	74.0	18.02	Peak	71.00	400	Vertical	Pass
6**	15803.924	47.02	2.28	54.0	6.98	AV	71.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.500	39.51	-17.42	74.0	34.49	Peak	43.00	400	Horizontal	Pass
1**	1471.500	29.46	-17.42	54.0	24.54	AV	43.00	400	Horizontal	Pass
2	4386.600	51.06	-3.30	74.0	22.94	Peak	21.00	400	Horizontal	Pass
2**	4386.600	42.24	-3.30	54.0	11.76	AV	21.00	400	Horizontal	Pass
3	5579.200	105.27	-1.63	--	--	Peak	170.00	100	Horizontal	N/A
3**	5579.200	98.92	-1.63	--	--	AV	170.00	100	Horizontal	N/A
4	7381.513	49.31	-3.39	74.0	24.69	Peak	30.00	100	Horizontal	Pass
4**	7381.513	40.94	-3.39	54.0	13.06	AV	30.00	100	Horizontal	Pass
5	12492.975	53.11	1.66	74.0	20.89	Peak	267.00	150	Horizontal	Pass
5**	12492.975	43.63	1.66	54.0	10.37	AV	267.00	150	Horizontal	Pass
6	15849.600	55.89	1.33	74.0	18.11	Peak	360.00	200	Horizontal	Pass
6**	15849.600	46.79	1.33	54.0	7.21	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.000	39.27	-16.84	74.0	34.73	Peak	92.00	300	Vertical	Pass
1**	1496.000	29.84	-16.84	54.0	24.16	AV	92.00	300	Vertical	Pass
2	4385.600	50.10	-3.36	74.0	23.90	Peak	25.00	400	Vertical	Pass
2**	4385.600	41.78	-3.36	54.0	12.22	AV	25.00	400	Vertical	Pass
3	5582.000	95.80	-1.73	--	--	Peak	66.00	200	Vertical	N/A
3**	5582.000	88.41	-1.73	--	--	AV	66.00	200	Vertical	N/A
4	7336.088	49.53	-3.18	74.0	24.47	Peak	232.00	300	Vertical	Pass
4**	7336.088	40.22	-3.18	54.0	13.78	AV	232.00	300	Vertical	Pass
5	11915.963	53.61	1.49	74.0	20.39	Peak	274.00	200	Vertical	Pass
5**	11915.963	43.65	1.49	54.0	10.35	AV	274.00	200	Vertical	Pass
6	15832.800	56.59	1.47	74.0	17.41	Peak	0.00	200	Vertical	Pass
6**	15832.800	47.56	1.47	54.0	6.44	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.200	38.73	-17.01	74.0	35.27	Peak	124.00	300	Horizontal	Pass
1**	1443.200	29.70	-17.01	54.0	24.30	AV	124.00	300	Horizontal	Pass
2	4380.800	49.77	-3.46	74.0	24.23	Peak	307.00	100	Horizontal	Pass
2**	4380.800	41.69	-3.46	54.0	12.31	AV	307.00	100	Horizontal	Pass
3	5701.000	105.61	-1.44	--	--	Peak	148.00	100	Horizontal	N/A
3**	5701.000	98.41	-1.44	--	--	AV	148.00	100	Horizontal	N/A
4	7627.612	49.53	-2.79	74.0	24.47	Peak	156.00	400	Horizontal	Pass
4**	7627.612	40.43	-2.79	54.0	13.57	AV	156.00	400	Horizontal	Pass
5	11848.974	53.10	1.13	74.0	20.90	Peak	195.00	100	Horizontal	Pass
5**	11848.974	42.67	1.13	54.0	11.33	AV	195.00	100	Horizontal	Pass
6	15624.375	55.72	1.71	74.0	18.28	Peak	0.00	100	Horizontal	Pass
6**	15624.375	46.24	1.71	54.0	7.76	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.100	39.71	-17.01	74.0	34.29	Peak	12.00	400	Vertical	Pass
1**	1459.100	29.39	-17.01	54.0	24.61	AV	12.00	400	Vertical	Pass
2	4380.000	50.54	-3.32	74.0	23.46	Peak	274.00	100	Vertical	Pass
2**	4380.000	41.30	-3.32	54.0	12.70	AV	274.00	100	Vertical	Pass
3	5698.200	96.39	-1.08	--	--	Peak	71.00	100	Vertical	N/A
3**	5698.200	89.12	-1.08	--	--	AV	71.00	100	Vertical	N/A
4	7338.100	50.22	-2.89	74.0	23.78	Peak	33.00	100	Vertical	Pass
4**	7338.100	40.92	-2.89	54.0	13.08	AV	33.00	100	Vertical	Pass
5	12321.050	53.92	1.42	74.0	20.08	Peak	185.00	150	Vertical	Pass
5**	12321.050	44.05	1.42	54.0	9.95	AV	185.00	150	Vertical	Pass
6	15844.350	55.63	1.38	74.0	18.37	Peak	6.00	100	Vertical	Pass
6**	15844.350	47.48	1.38	54.0	6.52	AV	6.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.700	38.78	-17.07	74.0	35.22	Peak	42.00	100	Horizontal	Pass
1**	1572.700	29.78	-17.07	54.0	24.22	AV	42.00	100	Horizontal	Pass
2	4369.600	50.33	-3.97	74.0	23.67	Peak	323.00	400	Horizontal	Pass
2**	4369.600	41.21	-3.97	54.0	12.79	AV	323.00	400	Horizontal	Pass
3	5501.200	106.53	-1.47	--	--	Peak	177.00	100	Horizontal	N/A
3**	5501.200	99.44	-1.47	--	--	AV	177.00	100	Horizontal	N/A
4	7603.463	49.62	-2.74	74.0	24.38	Peak	197.00	100	Horizontal	Pass
4**	7603.463	39.87	-2.74	54.0	14.13	AV	197.00	100	Horizontal	Pass
5	12319.901	53.04	1.42	74.0	20.96	Peak	162.00	150	Horizontal	Pass
5**	12319.901	43.20	1.42	54.0	10.80	AV	162.00	150	Horizontal	Pass
6	15849.075	55.96	1.34	74.0	18.04	Peak	80.00	100	Horizontal	Pass
6**	15849.075	46.63	1.34	54.0	7.37	AV	80.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.000	39.41	-17.23	74.0	34.59	Peak	93.00	100	Vertical	Pass
1**	1514.000	29.76	-17.23	54.0	24.24	AV	93.00	100	Vertical	Pass
2	4379.200	51.49	-3.34	74.0	22.51	Peak	360.00	100	Vertical	Pass
2**	4379.200	41.88	-3.34	54.0	12.12	AV	360.00	100	Vertical	Pass
3	5499.000	94.91	-1.68	--	--	Peak	154.00	200	Vertical	N/A
3**	5499.000	87.15	-1.68	--	--	AV	154.00	200	Vertical	N/A
4	7339.825	49.54	-2.95	74.0	24.46	Peak	0.00	300	Vertical	Pass
4**	7339.825	40.57	-2.95	54.0	13.43	AV	0.00	300	Vertical	Pass
5	11502.250	53.10	-0.01	74.0	20.90	Peak	326.00	100	Vertical	Pass
5**	11502.250	42.98	-0.01	54.0	11.02	AV	326.00	100	Vertical	Pass
6	16081.125	55.74	1.62	74.0	18.26	Peak	360.00	400	Vertical	Pass
6**	16081.125	47.08	1.62	54.0	6.92	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.500	39.34	-16.85	74.0	34.66	Peak	177.00	100	Horizontal	Pass
1**	1495.500	29.52	-16.85	54.0	24.48	AV	177.00	100	Horizontal	Pass
2	4397.200	50.24	-4.14	74.0	23.76	Peak	299.00	300	Horizontal	Pass
2**	4397.200	40.28	-4.14	54.0	13.72	AV	299.00	300	Horizontal	Pass
3	5580.600	104.96	-1.69	--	--	Peak	184.00	200	Horizontal	N/A
3**	5580.600	97.06	-1.69	--	--	AV	184.00	200	Horizontal	N/A
4	7715.300	49.33	-2.54	74.0	24.67	Peak	169.00	100	Horizontal	Pass
4**	7715.300	40.04	-2.54	54.0	13.96	AV	169.00	100	Horizontal	Pass
5	12268.724	53.09	1.41	74.0	20.91	Peak	48.00	200	Horizontal	Pass
5**	12268.724	43.89	1.41	54.0	10.11	AV	48.00	200	Horizontal	Pass
6	15663.750	55.54	1.32	74.0	18.46	Peak	21.00	200	Horizontal	Pass
6**	15663.750	46.30	1.32	54.0	7.70	AV	21.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.300	39.34	-17.18	74.0	34.66	Peak	115.00	200	Vertical	Pass
1**	1447.300	29.40	-17.18	54.0	24.60	AV	115.00	200	Vertical	Pass
2	4336.600	49.97	-4.37	74.0	24.03	Peak	20.00	300	Vertical	Pass
2**	4336.600	39.17	-4.37	54.0	14.83	AV	20.00	300	Vertical	Pass
3	5578.400	95.46	-1.60	--	--	Peak	99.00	150	Vertical	N/A
3**	5578.400	87.95	-1.60	--	--	AV	99.00	150	Vertical	N/A
4	7338.675	49.72	-2.91	74.0	24.28	Peak	117.00	200	Vertical	Pass
4**	7338.675	40.94	-2.91	54.0	13.06	AV	117.00	200	Vertical	Pass
5	12298.338	53.85	1.51	74.0	20.15	Peak	344.00	100	Vertical	Pass
5**	12298.338	43.54	1.51	54.0	10.46	AV	344.00	100	Vertical	Pass
6	16133.625	55.90	1.05	74.0	18.10	Peak	154.00	200	Vertical	Pass
6**	16133.625	46.90	1.05	54.0	7.10	AV	154.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.500	39.16	-17.12	74.0	34.84	Peak	175.00	200	Horizontal	Pass
1**	1582.500	29.43	-17.12	54.0	24.57	AV	175.00	200	Horizontal	Pass
2	4380.200	50.18	-3.35	74.0	23.82	Peak	0.00	100	Horizontal	Pass
2**	4380.200	41.43	-3.35	54.0	12.57	AV	0.00	100	Horizontal	Pass
3	5700.600	105.50	-1.32	--	--	Peak	186.00	100	Horizontal	N/A
3**	5700.600	97.75	-1.32	--	--	AV	186.00	100	Horizontal	N/A
4	7408.250	49.54	-3.84	74.0	24.46	Peak	220.00	400	Horizontal	Pass
4**	7408.250	39.75	-3.84	54.0	14.25	AV	220.00	400	Horizontal	Pass
5	12598.200	53.19	1.86	74.0	20.81	Peak	27.00	200	Horizontal	Pass
5**	12598.200	44.02	1.86	54.0	9.98	AV	27.00	200	Horizontal	Pass
6	15668.213	55.91	1.40	74.0	18.09	Peak	135.00	300	Horizontal	Pass
6**	15668.213	45.98	1.40	54.0	8.02	AV	135.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.600	38.53	-17.27	74.0	35.47	Peak	74.00	300	Vertical	Pass
1**	1590.600	29.47	-17.27	54.0	24.53	AV	74.00	300	Vertical	Pass
2	4297.800	49.92	-4.03	74.0	24.08	Peak	69.00	100	Vertical	Pass
2**	4297.800	40.49	-4.03	54.0	13.51	AV	69.00	100	Vertical	Pass
3	5703.000	96.43	-1.66	--	--	Peak	55.00	200	Vertical	N/A
3**	5703.000	89.02	-1.66	--	--	AV	55.00	200	Vertical	N/A
4	7349.600	49.81	-3.67	74.0	24.19	Peak	339.00	200	Vertical	Pass
4**	7349.600	40.26	-3.67	54.0	13.74	AV	339.00	200	Vertical	Pass
5	12611.425	53.51	1.89	74.0	20.49	Peak	360.00	150	Vertical	Pass
5**	12611.425	43.51	1.89	54.0	10.49	AV	360.00	150	Vertical	Pass
6	15515.963	56.18	1.40	74.0	17.82	Peak	29.00	100	Vertical	Pass
6**	15515.963	46.42	1.40	54.0	7.58	AV	29.00	100	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.800	39.65	-16.83	74.0	34.35	Peak	117.00	400	Horizontal	Pass
1**	1505.800	29.80	-16.83	54.0	24.20	AV	117.00	400	Horizontal	Pass
2	4386.600	49.93	-3.30	74.0	24.07	Peak	126.00	300	Horizontal	Pass
2**	4386.600	41.81	-3.30	54.0	12.19	AV	126.00	300	Horizontal	Pass
3	5504.600	104.33	-1.23	--	--	Peak	178.00	150	Horizontal	N/A
3**	5504.600	95.40	-1.23	--	--	AV	178.00	150	Horizontal	N/A
4	7342.700	49.81	-3.27	74.0	24.19	Peak	118.00	400	Horizontal	Pass
4**	7342.700	40.97	-3.27	54.0	13.03	AV	118.00	400	Horizontal	Pass
5	12281.375	53.89	1.80	74.0	20.11	Peak	97.00	200	Horizontal	Pass
5**	12281.375	44.37	1.80	54.0	9.63	AV	97.00	200	Horizontal	Pass
6	15854.588	55.67	1.20	74.0	18.33	Peak	23.00	300	Horizontal	Pass
6**	15854.588	45.92	1.20	54.0	8.08	AV	23.00	300	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.400	39.09	-16.72	74.0	34.91	Peak	327.00	300	Vertical	Pass
1**	1486.400	29.76	-16.72	54.0	24.24	AV	327.00	300	Vertical	Pass
2	4384.200	50.50	-3.61	74.0	23.50	Peak	269.00	100	Vertical	Pass
2**	4384.200	41.45	-3.61	54.0	12.55	AV	269.00	100	Vertical	Pass
3	5512.400	91.85	-0.95	--	--	Peak	43.00	100	Vertical	N/A
3**	5512.400	84.42	-0.95	--	--	AV	43.00	100	Vertical	N/A
4	7340.975	49.42	-3.07	74.0	24.58	Peak	274.00	400	Vertical	Pass
4**	7340.975	40.72	-3.07	54.0	13.28	AV	274.00	400	Vertical	Pass
5	12657.424	53.24	1.00	74.0	20.76	Peak	220.00	200	Vertical	Pass
5**	12657.424	43.26	1.00	54.0	10.74	AV	220.00	200	Vertical	Pass
6	15827.025	55.38	1.58	74.0	18.62	Peak	162.00	400	Vertical	Pass
6**	15827.025	46.36	1.58	54.0	7.64	AV	162.00	400	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1589.100	38.91	-17.16	74.0	35.09	Peak	36.00	400	Horizontal	Pass
1**	1589.100	30.17	-17.16	54.0	23.83	AV	36.00	400	Horizontal	Pass
2	4380.000	51.71	-3.32	74.0	22.29	Peak	0.00	300	Horizontal	Pass
2**	4380.000	41.98	-3.32	54.0	12.02	AV	0.00	300	Horizontal	Pass
3	5587.000	102.48	-1.75	--	--	Peak	158.00	100	Horizontal	N/A
3**	5587.000	94.84	-1.75	--	--	AV	158.00	100	Horizontal	N/A
4	7323.725	49.30	-3.39	74.0	24.70	Peak	136.00	400	Horizontal	Pass
4**	7323.725	40.53	-3.39	54.0	13.47	AV	136.00	400	Horizontal	Pass
5	12066.037	52.80	0.87	74.0	21.20	Peak	213.00	150	Horizontal	Pass
5**	12066.037	43.24	0.87	54.0	10.76	AV	213.00	150	Horizontal	Pass
6	15806.287	56.18	2.24	74.0	17.82	Peak	263.00	100	Horizontal	Pass
6**	15806.287	46.66	2.24	54.0	7.34	AV	263.00	100	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.300	39.31	-17.02	74.0	34.69	Peak	123.00	300	Vertical	Pass
1**	1459.300	29.28	-17.02	54.0	24.72	AV	123.00	300	Vertical	Pass
2	4372.800	50.22	-3.94	74.0	23.78	Peak	159.00	200	Vertical	Pass
2**	4372.800	41.00	-3.94	54.0	13.00	AV	159.00	200	Vertical	Pass
3	5591.200	92.41	-2.21	--	--	Peak	44.00	150	Vertical	N/A
3**	5591.200	84.69	-2.21	--	--	AV	44.00	150	Vertical	N/A
4	7687.413	49.27	-2.12	74.0	24.73	Peak	300.00	400	Vertical	Pass
4**	7687.413	40.83	-2.12	54.0	13.17	AV	300.00	400	Vertical	Pass
5	12290.288	53.26	1.66	74.0	20.74	Peak	194.00	150	Vertical	Pass
5**	12290.288	44.97	1.66	54.0	9.03	AV	194.00	150	Vertical	Pass
6	15845.925	55.50	1.36	74.0	18.50	Peak	211.00	200	Vertical	Pass
6**	15845.925	46.55	1.36	54.0	7.45	AV	211.00	200	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.600	39.98	-17.12	74.0	34.02	Peak	148.00	100	Horizontal	Pass
1**	1508.600	29.31	-17.12	54.0	24.69	AV	148.00	100	Horizontal	Pass
2	4369.000	50.22	-3.88	74.0	23.78	Peak	221.00	100	Horizontal	Pass
2**	4369.000	40.82	-3.88	54.0	13.18	AV	221.00	100	Horizontal	Pass
3	5666.400	102.75	-2.47	--	--	Peak	181.00	100	Horizontal	N/A
3**	5666.400	94.82	-2.47	--	--	AV	181.00	100	Horizontal	N/A
4	7279.737	49.71	-3.03	74.0	24.29	Peak	252.00	300	Horizontal	Pass
4**	7279.737	39.85	-3.03	54.0	14.15	AV	252.00	300	Horizontal	Pass
5	12219.563	52.88	1.22	74.0	21.12	Peak	101.00	100	Horizontal	Pass
5**	12219.563	43.10	1.22	54.0	10.90	AV	101.00	100	Horizontal	Pass
6	15848.813	55.63	1.34	74.0	18.37	Peak	347.00	200	Horizontal	Pass
6**	15848.813	46.82	1.34	54.0	7.18	AV	347.00	200	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.400	40.85	-17.06	74.0	33.15	Peak	91.00	300	Vertical	Pass
1**	1497.400	30.54	-17.06	54.0	23.46	AV	91.00	300	Vertical	Pass
2	4381.000	50.34	-3.49	74.0	23.66	Peak	21.00	100	Vertical	Pass
2**	4381.000	42.18	-3.49	54.0	11.82	AV	21.00	100	Vertical	Pass
3	5671.800	93.40	-2.29	--	--	Peak	141.00	100	Vertical	N/A
3**	5671.800	86.23	-2.29	--	--	AV	141.00	100	Vertical	N/A
4	7445.913	49.48	-3.12	74.0	24.52	Peak	360.00	400	Vertical	Pass
4**	7445.913	40.49	-3.12	54.0	13.51	AV	360.00	400	Vertical	Pass
5	12603.662	52.99	1.91	74.0	21.01	Peak	4.00	100	Vertical	Pass
5**	12603.662	43.63	1.91	54.0	10.37	AV	4.00	100	Vertical	Pass
6	15864.300	56.26	0.83	74.0	17.74	Peak	309.00	100	Vertical	Pass
6**	15864.300	45.79	0.83	54.0	8.21	AV	309.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.200	38.90	-17.26	74.0	35.10	Peak	271.00	200	Horizontal	Pass
1**	1546.200	29.28	-17.26	54.0	24.72	AV	271.00	200	Horizontal	Pass
2	4391.200	50.04	-3.40	74.0	23.96	Peak	224.00	400	Horizontal	Pass
2**	4391.200	41.26	-3.40	54.0	12.74	AV	224.00	400	Horizontal	Pass
3	5501.600	105.86	-1.40	--	--	Peak	181.00	100	Horizontal	N/A
3**	5501.600	98.69	-1.40	--	--	AV	181.00	100	Horizontal	N/A
4	7323.438	49.35	-3.37	74.0	24.65	Peak	327.00	100	Horizontal	Pass
4**	7323.438	40.45	-3.37	54.0	13.55	AV	327.00	100	Horizontal	Pass
5	12605.388	53.15	1.91	74.0	20.85	Peak	144.00	150	Horizontal	Pass
5**	12605.388	43.67	1.91	54.0	10.33	AV	144.00	150	Horizontal	Pass
6	15798.938	55.61	2.30	74.0	18.39	Peak	334.00	100	Horizontal	Pass
6**	15798.938	46.46	2.30	54.0	7.54	AV	334.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1461.000	38.95	-17.19	74.0	35.05	Peak	78.00	100	Vertical	Pass
1**	1461.000	29.03	-17.19	54.0	24.97	AV	78.00	100	Vertical	Pass
2	4385.400	50.27	-3.40	74.0	23.73	Peak	339.00	100	Vertical	Pass
2**	4385.400	41.75	-3.40	54.0	12.25	AV	339.00	100	Vertical	Pass
3	5502.800	93.63	-1.37	--	--	Peak	95.00	100	Vertical	N/A
3**	5502.800	86.11	-1.37	--	--	AV	95.00	100	Vertical	N/A
4	7741.750	49.68	-3.01	74.0	24.32	Peak	200.00	200	Vertical	Pass
4**	7741.750	39.26	-3.01	54.0	14.74	AV	200.00	200	Vertical	Pass
5	12211.225	52.93	1.06	74.0	21.07	Peak	28.00	200	Vertical	Pass
5**	12211.225	43.81	1.06	54.0	10.19	AV	28.00	200	Vertical	Pass
6	15793.424	55.81	2.12	74.0	18.19	Peak	347.00	400	Vertical	Pass
6**	15793.424	46.41	2.12	54.0	7.59	AV	347.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.700	39.29	-16.88	74.0	34.71	Peak	309.00	400	Horizontal	Pass
1**	1493.700	29.26	-16.88	54.0	24.74	AV	309.00	400	Horizontal	Pass
2	4386.000	50.75	-3.30	74.0	23.25	Peak	275.00	200	Horizontal	Pass
2**	4386.000	41.25	-3.30	54.0	12.75	AV	275.00	200	Horizontal	Pass
3	5579.000	105.04	-1.62	--	--	Peak	176.00	100	Horizontal	N/A
3**	5579.000	97.77	-1.62	--	--	AV	176.00	100	Horizontal	N/A
4	7574.425	49.43	-3.05	74.0	24.57	Peak	329.00	200	Horizontal	Pass
4**	7574.425	39.37	-3.05	54.0	14.63	AV	329.00	200	Horizontal	Pass
5	12323.925	52.95	1.42	74.0	21.05	Peak	185.00	150	Horizontal	Pass
5**	12323.925	44.61	1.42	54.0	9.39	AV	185.00	150	Horizontal	Pass
6	16190.588	55.44	1.58	74.0	18.56	Peak	303.00	100	Horizontal	Pass
6**	16190.588	46.15	1.58	54.0	7.85	AV	303.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.400	38.97	-16.89	74.0	35.03	Peak	143.00	200	Vertical	Pass
1**	1586.400	30.60	-16.89	54.0	23.40	AV	143.00	200	Vertical	Pass
2	4396.000	50.79	-3.96	74.0	23.21	Peak	255.00	300	Vertical	Pass
2**	4396.000	40.92	-3.96	54.0	13.08	AV	255.00	300	Vertical	Pass
3	5581.000	94.81	-1.70	--	--	Peak	349.00	150	Vertical	N/A
3**	5581.000	87.00	-1.70	--	--	AV	349.00	150	Vertical	N/A
4	7339.825	49.75	-2.95	74.0	24.25	Peak	262.00	300	Vertical	Pass
4**	7339.825	40.72	-2.95	54.0	13.28	AV	262.00	300	Vertical	Pass
5	12312.138	53.02	1.38	74.0	20.98	Peak	337.00	200	Vertical	Pass
5**	12312.138	44.17	1.38	54.0	9.83	AV	337.00	200	Vertical	Pass
6	15841.724	56.15	1.42	74.0	17.85	Peak	360.00	200	Vertical	Pass
6**	15841.724	47.08	1.42	54.0	6.92	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.700	38.70	-16.78	74.0	35.30	Peak	256.00	100	Horizontal	Pass
1**	1561.700	29.98	-16.78	54.0	24.02	AV	256.00	100	Horizontal	Pass
2	4281.600	50.39	-4.87	74.0	23.61	Peak	219.00	300	Horizontal	Pass
2**	4281.600	40.29	-4.87	54.0	13.71	AV	219.00	300	Horizontal	Pass
3	5701.800	105.45	-1.60	--	--	Peak	162.00	200	Horizontal	N/A
3**	5701.800	99.16	-1.60	--	--	AV	162.00	200	Horizontal	N/A
4	7341.263	50.17	-3.09	74.0	23.83	Peak	14.00	300	Horizontal	Pass
4**	7341.263	40.90	-3.09	54.0	13.10	AV	14.00	300	Horizontal	Pass
5	12272.463	52.88	1.53	74.0	21.12	Peak	208.00	200	Horizontal	Pass
5**	12272.463	43.99	1.53	54.0	10.01	AV	208.00	200	Horizontal	Pass
6	15848.025	56.68	1.35	74.0	17.32	Peak	194.00	200	Horizontal	Pass
6**	15848.025	46.08	1.35	54.0	7.92	AV	194.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.300	39.14	-17.11	74.0	34.86	Peak	316.00	100	Vertical	Pass
1**	1582.300	29.10	-17.11	54.0	24.90	AV	316.00	100	Vertical	Pass
2	4392.200	49.94	-3.53	74.0	24.06	Peak	360.00	100	Vertical	Pass
2**	4392.200	41.44	-3.53	54.0	12.56	AV	360.00	100	Vertical	Pass
3	5699.200	97.58	-0.96	--	--	Peak	69.00	200	Vertical	N/A
3**	5699.200	90.36	-0.96	--	--	AV	69.00	200	Vertical	N/A
4	7332.350	49.59	-3.24	74.0	24.41	Peak	326.00	300	Vertical	Pass
4**	7332.350	40.81	-3.24	54.0	13.19	AV	326.00	300	Vertical	Pass
5	12284.250	52.95	1.78	74.0	21.05	Peak	270.00	200	Vertical	Pass
5**	12284.250	44.80	1.78	54.0	9.20	AV	270.00	200	Vertical	Pass
6	16035.713	56.14	0.76	74.0	17.86	Peak	119.00	300	Vertical	Pass
6**	16035.713	45.84	0.76	54.0	8.16	AV	119.00	300	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.600	40.08	-16.79	74.0	33.92	Peak	119.00	200	Horizontal	Pass
1**	1561.600	29.64	-16.79	54.0	24.36	AV	119.00	200	Horizontal	Pass
2	4379.200	50.57	-3.34	74.0	23.43	Peak	130.00	400	Horizontal	Pass
2**	4379.200	41.63	-3.34	54.0	12.37	AV	130.00	400	Horizontal	Pass
3	5505.200	103.65	-1.14	--	--	Peak	184.00	200	Horizontal	N/A
3**	5505.200	95.21	-1.14	--	--	AV	184.00	200	Horizontal	N/A
4	7633.650	49.64	-2.93	74.0	24.36	Peak	164.00	200	Horizontal	Pass
4**	7633.650	40.28	-2.93	54.0	13.72	AV	164.00	200	Horizontal	Pass
5	12616.313	52.95	1.85	74.0	21.05	Peak	128.00	100	Horizontal	Pass
5**	12616.313	44.46	1.85	54.0	9.54	AV	128.00	100	Horizontal	Pass
6	15853.799	56.40	1.23	74.0	17.60	Peak	40.00	300	Horizontal	Pass
6**	15853.799	46.42	1.23	54.0	7.58	AV	40.00	300	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.400	38.83	-16.76	74.0	35.17	Peak	301.00	200	Vertical	Pass
1**	1490.400	30.07	-16.76	54.0	23.93	AV	301.00	200	Vertical	Pass
2	4390.400	49.92	-3.30	74.0	24.08	Peak	349.00	200	Vertical	Pass
2**	4390.400	41.63	-3.30	54.0	12.37	AV	349.00	200	Vertical	Pass
3	5507.600	91.86	-0.95	--	--	Peak	46.00	150	Vertical	N/A
3**	5507.600	83.95	-0.95	--	--	AV	46.00	150	Vertical	N/A
4	7441.025	49.45	-3.45	74.0	24.55	Peak	95.00	100	Vertical	Pass
4**	7441.025	41.10	-3.45	54.0	12.90	AV	95.00	100	Vertical	Pass
5	12605.963	53.39	1.91	74.0	20.61	Peak	162.00	150	Vertical	Pass
5**	12605.963	43.45	1.91	54.0	10.55	AV	162.00	150	Vertical	Pass
6	16095.300	56.06	1.32	74.0	17.94	Peak	360.00	400	Vertical	Pass
6**	16095.300	45.97	1.32	54.0	8.03	AV	360.00	400	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1537.100	39.02	-16.95	74.0	34.98	Peak	311.00	200	Horizontal	Pass
1**	1537.100	29.97	-16.95	54.0	24.03	AV	311.00	200	Horizontal	Pass
2	4381.400	51.10	-3.56	74.0	22.90	Peak	218.00	400	Horizontal	Pass
2**	4381.400	41.68	-3.56	54.0	12.32	AV	218.00	400	Horizontal	Pass
3	5591.800	102.70	-2.21	--	--	Peak	181.00	150	Horizontal	N/A
3**	5591.800	95.00	-2.21	--	--	AV	181.00	150	Horizontal	N/A
4	7338.387	50.27	-2.90	74.0	23.73	Peak	168.00	300	Horizontal	Pass
4**	7338.387	41.33	-2.90	54.0	12.67	AV	168.00	300	Horizontal	Pass
5	12445.825	53.03	1.83	74.0	20.97	Peak	280.00	150	Horizontal	Pass
5**	12445.825	44.21	1.83	54.0	9.79	AV	280.00	150	Horizontal	Pass
6	16163.025	56.70	0.99	74.0	17.30	Peak	346.00	100	Horizontal	Pass
6**	16163.025	46.27	0.99	54.0	7.73	AV	346.00	100	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.600	38.94	-16.88	74.0	35.06	Peak	360.00	100	Vertical	Pass
1**	1492.600	29.82	-16.88	54.0	24.18	AV	360.00	100	Vertical	Pass
2	4377.400	50.17	-3.58	74.0	23.83	Peak	233.00	300	Vertical	Pass
2**	4377.400	41.58	-3.58	54.0	12.42	AV	233.00	300	Vertical	Pass
3	5592.600	92.31	-2.21	--	--	Peak	95.00	100	Vertical	N/A
3**	5592.600	85.77	-2.21	--	--	AV	95.00	100	Vertical	N/A
4	7280.312	49.62	-2.95	74.0	24.38	Peak	227.00	100	Vertical	Pass
4**	7280.312	40.01	-2.95	54.0	13.99	AV	227.00	100	Vertical	Pass
5	12280.225	53.70	1.80	74.0	20.30	Peak	337.00	200	Vertical	Pass
5**	12280.225	44.04	1.80	54.0	9.96	AV	337.00	200	Vertical	Pass
6	15789.487	55.57	1.99	74.0	18.43	Peak	285.00	100	Vertical	Pass
6**	15789.487	46.33	1.99	54.0	7.67	AV	285.00	100	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.300	38.75	-16.83	74.0	35.25	Peak	281.00	200	Horizontal	Pass
1**	1506.300	28.88	-16.83	54.0	25.12	AV	281.00	200	Horizontal	Pass
2	4388.600	50.52	-3.39	74.0	23.48	Peak	263.00	100	Horizontal	Pass
2**	4388.600	41.37	-3.39	54.0	12.63	AV	263.00	100	Horizontal	Pass
3	5671.800	103.29	-2.29	--	--	Peak	160.00	100	Horizontal	N/A
3**	5671.800	95.59	-2.29	--	--	AV	160.00	100	Horizontal	N/A
4	7382.375	49.40	-3.36	74.0	24.60	Peak	325.00	200	Horizontal	Pass
4**	7382.375	39.65	-3.36	54.0	14.35	AV	325.00	200	Horizontal	Pass
5	12617.463	53.51	1.83	74.0	20.49	Peak	250.00	100	Horizontal	Pass
5**	12617.463	43.80	1.83	54.0	10.20	AV	250.00	100	Horizontal	Pass
6	16027.575	55.79	0.69	74.0	18.21	Peak	321.00	400	Horizontal	Pass
6**	16027.575	46.18	0.69	54.0	7.82	AV	321.00	400	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.600	38.86	-17.41	74.0	35.14	Peak	250.00	100	Vertical	Pass
1**	1464.600	28.89	-17.41	54.0	25.11	AV	250.00	100	Vertical	Pass
2	4385.200	50.58	-3.43	74.0	23.42	Peak	81.00	400	Vertical	Pass
2**	4385.200	41.69	-3.43	54.0	12.31	AV	81.00	400	Vertical	Pass
3	5672.600	93.73	-2.23	--	--	Peak	360.00	150	Vertical	N/A
3**	5672.600	85.96	-2.23	--	--	AV	360.00	150	Vertical	N/A
4	7675.913	50.29	-2.51	74.0	23.71	Peak	268.00	300	Vertical	Pass
4**	7675.913	39.97	-2.51	54.0	14.03	AV	268.00	300	Vertical	Pass
5	12610.275	52.73	1.89	74.0	21.27	Peak	213.00	100	Vertical	Pass
5**	12610.275	43.90	1.89	54.0	10.10	AV	213.00	100	Vertical	Pass
6	15510.713	55.56	1.43	74.0	18.44	Peak	61.00	200	Vertical	Pass
6**	15510.713	46.71	1.43	54.0	7.29	AV	61.00	200	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.900	38.74	-16.95	74.0	35.26	Peak	143.00	400	Horizontal	Pass
1**	1586.900	29.16	-16.95	54.0	24.84	AV	143.00	400	Horizontal	Pass
2	4377.000	50.60	-3.71	74.0	23.40	Peak	173.00	100	Horizontal	Pass
2**	4377.000	40.78	-3.71	54.0	13.22	AV	173.00	100	Horizontal	Pass
3	5535.400	100.46	-1.84	--	--	Peak	173.00	150	Horizontal	N/A
3**	5535.400	93.73	-1.84	--	--	AV	173.00	150	Horizontal	N/A
4	7452.237	50.16	-3.16	74.0	23.84	Peak	272.00	300	Horizontal	Pass
4**	7452.237	40.74	-3.16	54.0	13.26	AV	272.00	300	Horizontal	Pass
5	12620.912	53.82	1.76	74.0	20.18	Peak	32.00	150	Horizontal	Pass
5**	12620.912	44.13	1.76	54.0	9.87	AV	32.00	150	Horizontal	Pass
6	15823.088	55.83	1.73	74.0	18.17	Peak	216.00	400	Horizontal	Pass
6**	15823.088	46.50	1.73	54.0	7.50	AV	216.00	400	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.200	39.12	-17.28	74.0	34.88	Peak	181.00	400	Vertical	Pass
1**	1598.200	29.55	-17.28	54.0	24.45	AV	181.00	400	Vertical	Pass
2	4385.600	50.61	-3.36	74.0	23.39	Peak	269.00	300	Vertical	Pass
2**	4385.600	41.27	-3.36	54.0	12.73	AV	269.00	300	Vertical	Pass
3	5540.400	90.20	-1.99	--	--	Peak	45.00	100	Vertical	N/A
3**	5540.400	82.20	-1.99	--	--	AV	45.00	100	Vertical	N/A
4	7459.425	50.03	-3.61	74.0	23.97	Peak	125.00	300	Vertical	Pass
4**	7459.425	39.86	-3.61	54.0	14.14	AV	125.00	300	Vertical	Pass
5	12312.713	52.89	1.39	74.0	21.11	Peak	343.00	150	Vertical	Pass
5**	12312.713	43.95	1.39	54.0	10.05	AV	343.00	150	Vertical	Pass
6	15520.425	55.94	1.38	74.0	18.06	Peak	20.00	100	Vertical	Pass
6**	15520.425	45.92	1.38	54.0	8.08	AV	20.00	100	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.500	39.55	-17.12	74.0	34.45	Peak	334.00	300	Horizontal	Pass
1**	1481.500	29.06	-17.12	54.0	24.94	AV	334.00	300	Horizontal	Pass
2	4381.400	50.64	-3.56	74.0	23.36	Peak	55.00	400	Horizontal	Pass
2**	4381.400	41.72	-3.56	54.0	12.28	AV	55.00	400	Horizontal	Pass
3	5603.200	101.02	-1.97	--	--	Peak	176.00	100	Horizontal	N/A
3**	5603.200	92.78	-1.97	--	--	AV	176.00	100	Horizontal	N/A
4	7452.812	49.19	-3.24	74.0	24.81	Peak	122.00	400	Horizontal	Pass
4**	7452.812	40.13	-3.24	54.0	13.87	AV	122.00	400	Horizontal	Pass
5	12280.513	52.77	1.80	74.0	21.23	Peak	0.00	200	Horizontal	Pass
5**	12280.513	44.09	1.80	54.0	9.91	AV	0.00	200	Horizontal	Pass
6	15804.713	56.04	2.27	74.0	17.96	Peak	189.00	200	Horizontal	Pass
6**	15804.713	47.17	2.27	54.0	6.83	AV	189.00	200	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.400	39.50	-16.88	74.0	34.50	Peak	40.00	300	Vertical	Pass
1**	1493.400	29.32	-16.88	54.0	24.68	AV	40.00	300	Vertical	Pass
2	4239.400	50.42	-4.13	74.0	23.58	Peak	324.00	100	Vertical	Pass
2**	4239.400	40.42	-4.13	54.0	13.58	AV	324.00	100	Vertical	Pass
3	5606.800	91.24	-1.89	--	--	Peak	348.00	150	Vertical	N/A
3**	5606.800	82.92	-1.89	--	--	AV	348.00	150	Vertical	N/A
4	7335.225	49.89	-3.26	74.0	24.11	Peak	307.00	300	Vertical	Pass
4**	7335.225	40.57	-3.26	54.0	13.43	AV	307.00	300	Vertical	Pass
5	12346.063	53.47	1.27	74.0	20.53	Peak	290.00	100	Vertical	Pass
5**	12346.063	43.90	1.27	54.0	10.10	AV	290.00	100	Vertical	Pass
6	15798.412	55.67	2.28	74.0	18.33	Peak	348.00	100	Vertical	Pass
6**	15798.412	46.88	2.28	54.0	7.12	AV	348.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.100	39.17	-17.01	74.0	34.83	Peak	330.00	100	Horizontal	Pass
1**	1502.100	29.71	-17.01	54.0	24.29	AV	330.00	100	Horizontal	Pass
2	4387.600	49.82	-3.37	74.0	24.18	Peak	0.00	100	Horizontal	Pass
2**	4387.600	41.78	-3.37	54.0	12.22	AV	0.00	100	Horizontal	Pass
3	5744.200	106.44	-2.07	--	--	Peak	185.00	150	Horizontal	N/A
3**	5744.200	99.14	-2.07	--	--	AV	185.00	150	Horizontal	N/A
4	7444.763	50.12	-3.20	74.0	23.88	Peak	13.00	100	Horizontal	Pass
4**	7444.763	40.18	-3.20	54.0	13.82	AV	13.00	100	Horizontal	Pass
5	12461.924	53.90	1.77	74.0	20.10	Peak	291.00	100	Horizontal	Pass
5**	12461.924	43.85	1.77	54.0	10.15	AV	291.00	100	Horizontal	Pass
6	16023.900	56.87	0.64	74.0	17.13	Peak	202.00	300	Horizontal	Pass
6**	16023.900	46.40	0.64	54.0	7.60	AV	202.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.300	40.16	-17.23	74.0	33.84	Peak	87.00	400	Vertical	Pass
1**	1498.300	29.03	-17.23	54.0	24.97	AV	87.00	400	Vertical	Pass
2	4389.000	50.49	-3.37	74.0	23.51	Peak	29.00	100	Vertical	Pass
2**	4389.000	40.71	-3.37	54.0	13.29	AV	29.00	100	Vertical	Pass
3	5744.400	97.47	-2.09	--	--	Peak	20.00	150	Vertical	N/A
3**	5744.400	91.67	-2.09	--	--	AV	20.00	150	Vertical	N/A
4	7345.000	49.74	-3.49	74.0	24.26	Peak	216.00	400	Vertical	Pass
4**	7345.000	40.45	-3.49	54.0	13.55	AV	216.00	400	Vertical	Pass
5	12272.750	52.94	1.54	74.0	21.06	Peak	360.00	200	Vertical	Pass
5**	12272.750	43.16	1.54	54.0	10.84	AV	360.00	200	Vertical	Pass
6	16006.838	55.62	0.37	74.0	18.38	Peak	76.00	400	Vertical	Pass
6**	16006.838	45.52	0.37	54.0	8.48	AV	76.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.400	38.92	-17.29	74.0	35.08	Peak	151.00	100	Horizontal	Pass
1**	1437.400	29.41	-17.29	54.0	24.59	AV	151.00	100	Horizontal	Pass
2	4381.200	50.69	-3.52	74.0	23.31	Peak	338.00	200	Horizontal	Pass
2**	4381.200	41.15	-3.52	54.0	12.85	AV	338.00	200	Horizontal	Pass
3	5784.200	106.93	-1.59	--	--	Peak	157.00	100	Horizontal	N/A
3**	5784.200	99.43	-1.59	--	--	AV	157.00	100	Horizontal	N/A
4	7673.612	49.70	-2.31	74.0	24.30	Peak	130.00	100	Horizontal	Pass
4**	7673.612	40.25	-2.31	54.0	13.75	AV	130.00	100	Horizontal	Pass
5	12242.562	53.52	1.04	74.0	20.48	Peak	130.00	200	Horizontal	Pass
5**	12242.562	43.62	1.04	54.0	10.38	AV	130.00	200	Horizontal	Pass
6	15776.888	56.18	1.37	74.0	17.82	Peak	20.00	200	Horizontal	Pass
6**	15776.888	46.72	1.37	54.0	7.28	AV	20.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.500	39.11	-17.09	74.0	34.89	Peak	31.00	400	Vertical	Pass
1**	1581.500	29.96	-17.09	54.0	24.04	AV	31.00	400	Vertical	Pass
2	4385.800	50.19	-3.33	74.0	23.81	Peak	71.00	200	Vertical	Pass
2**	4385.800	42.50	-3.33	54.0	11.50	AV	71.00	200	Vertical	Pass
3	5786.800	98.45	-1.67	--	--	Peak	21.00	200	Vertical	N/A
3**	5786.800	91.27	-1.67	--	--	AV	21.00	200	Vertical	N/A
4	7337.812	49.59	-2.88	74.0	24.41	Peak	32.00	300	Vertical	Pass
4**	7337.812	41.55	-2.88	54.0	12.45	AV	32.00	300	Vertical	Pass
5	12235.088	53.37	1.16	74.0	20.63	Peak	0.00	200	Vertical	Pass
5**	12235.088	43.38	1.16	54.0	10.62	AV	0.00	200	Vertical	Pass
6	15796.575	55.80	2.22	74.0	18.20	Peak	175.00	200	Vertical	Pass
6**	15796.575	46.91	2.22	54.0	7.09	AV	175.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.700	39.08	-17.16	74.0	34.92	Peak	214.00	400	Horizontal	Pass
1**	1440.700	29.52	-17.16	54.0	24.48	AV	214.00	400	Horizontal	Pass
2	4377.800	50.36	-3.48	74.0	23.64	Peak	0.00	100	Horizontal	Pass
2**	4377.800	40.97	-3.48	54.0	13.03	AV	0.00	100	Horizontal	Pass
3	5827.200	107.05	-1.96	--	--	Peak	183.00	100	Horizontal	N/A
3**	5827.200	99.40	-1.96	--	--	AV	183.00	100	Horizontal	N/A
4	7331.200	49.50	-3.38	74.0	24.50	Peak	175.00	200	Horizontal	Pass
4**	7331.200	40.88	-3.38	54.0	13.12	AV	175.00	200	Horizontal	Pass
5	12228.763	52.87	1.30	74.0	21.13	Peak	195.00	100	Horizontal	Pass
5**	12228.763	44.54	1.30	54.0	9.46	AV	195.00	100	Horizontal	Pass
6	16103.963	56.38	1.02	74.0	17.62	Peak	21.00	400	Horizontal	Pass
6**	16103.963	47.30	1.02	54.0	6.70	AV	21.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.400	39.14	-17.05	74.0	34.86	Peak	333.00	200	Vertical	Pass
1**	1499.400	29.90	-17.05	54.0	24.10	AV	333.00	200	Vertical	Pass
2	4378.800	49.89	-3.38	74.0	24.11	Peak	248.00	300	Vertical	Pass
2**	4378.800	42.33	-3.38	54.0	11.67	AV	248.00	300	Vertical	Pass
3	5823.000	98.92	-2.13	--	--	Peak	191.00	200	Vertical	N/A
3**	5823.000	91.08	-2.13	--	--	AV	191.00	200	Vertical	N/A
4	7349.887	49.91	-3.65	74.0	24.09	Peak	106.00	100	Vertical	Pass
4**	7349.887	41.53	-3.65	54.0	12.47	AV	106.00	100	Vertical	Pass
5	12287.412	52.82	1.72	74.0	21.18	Peak	141.00	200	Vertical	Pass
5**	12287.412	44.15	1.72	54.0	9.85	AV	141.00	200	Vertical	Pass
6	15681.863	55.74	1.53	74.0	18.26	Peak	290.00	200	Vertical	Pass
6**	15681.863	45.96	1.53	54.0	8.04	AV	290.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.100	39.58	-17.03	74.0	34.42	Peak	176.00	200	Horizontal	Pass
1**	1508.100	29.57	-17.03	54.0	24.43	AV	176.00	200	Horizontal	Pass
2	4381.200	50.42	-3.52	74.0	23.58	Peak	331.00	100	Horizontal	Pass
2**	4381.200	41.38	-3.52	54.0	12.62	AV	331.00	100	Horizontal	Pass
3	5743.600	106.00	-2.09	--	--	Peak	181.00	150	Horizontal	N/A
3**	5743.600	98.31	-2.09	--	--	AV	181.00	150	Horizontal	N/A
4	7334.938	49.79	-3.24	74.0	24.21	Peak	282.00	400	Horizontal	Pass
4**	7334.938	40.72	-3.24	54.0	13.28	AV	282.00	400	Horizontal	Pass
5	12694.799	52.88	0.83	74.0	21.12	Peak	202.00	150	Horizontal	Pass
5**	12694.799	43.47	0.83	54.0	10.53	AV	202.00	150	Horizontal	Pass
6	15833.850	55.60	1.46	74.0	18.40	Peak	82.00	300	Horizontal	Pass
6**	15833.850	46.13	1.46	54.0	7.87	AV	82.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.100	39.22	-16.87	74.0	34.78	Peak	105.00	400	Vertical	Pass
1**	1494.100	29.37	-16.87	54.0	24.63	AV	105.00	400	Vertical	Pass
2	4385.000	50.11	-3.47	74.0	23.89	Peak	360.00	300	Vertical	Pass
2**	4385.000	42.07	-3.47	54.0	11.93	AV	360.00	300	Vertical	Pass
3	5746.400	98.13	-2.21	--	--	Peak	12.00	150	Vertical	N/A
3**	5746.400	90.97	-2.21	--	--	AV	12.00	150	Vertical	N/A
4	7339.537	50.00	-2.93	74.0	24.00	Peak	360.00	400	Vertical	Pass
4**	7339.537	41.10	-2.93	54.0	12.90	AV	360.00	400	Vertical	Pass
5	11040.525	52.74	-0.52	74.0	21.26	Peak	360.00	200	Vertical	Pass
5**	11040.525	42.32	-0.52	54.0	11.68	AV	360.00	200	Vertical	Pass
6	15839.362	55.42	1.45	74.0	18.58	Peak	357.00	300	Vertical	Pass
6**	15839.362	46.87	1.45	54.0	7.13	AV	357.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.500	38.71	-16.93	74.0	35.29	Peak	167.00	400	Horizontal	Pass
1**	1507.500	29.42	-16.93	54.0	24.58	AV	167.00	400	Horizontal	Pass
2	4379.200	49.94	-3.34	74.0	24.06	Peak	108.00	100	Horizontal	Pass
2**	4379.200	42.55	-3.34	54.0	11.45	AV	108.00	100	Horizontal	Pass
3	5783.400	107.18	-1.48	--	--	Peak	190.00	200	Horizontal	N/A
3**	5783.400	99.00	-1.48	--	--	AV	190.00	200	Horizontal	N/A
4	7446.200	49.48	-3.13	74.0	24.52	Peak	8.00	100	Horizontal	Pass
4**	7446.200	41.27	-3.13	54.0	12.73	AV	8.00	100	Horizontal	Pass
5	12327.088	53.80	1.42	74.0	20.20	Peak	356.00	200	Horizontal	Pass
5**	12327.088	44.12	1.42	54.0	9.88	AV	356.00	200	Horizontal	Pass
6	15511.500	55.76	1.43	74.0	18.24	Peak	315.00	400	Horizontal	Pass
6**	15511.500	48.09	1.43	54.0	5.91	AV	315.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.300	39.16	-16.88	74.0	34.84	Peak	69.00	100	Vertical	Pass
1**	1586.300	30.04	-16.88	54.0	23.96	AV	69.00	100	Vertical	Pass
2	4380.600	49.95	-3.42	74.0	24.05	Peak	360.00	200	Vertical	Pass
2**	4380.600	42.16	-3.42	54.0	11.84	AV	360.00	200	Vertical	Pass
3	5783.800	98.61	-1.54	--	--	Peak	187.00	100	Vertical	N/A
3**	5783.800	90.24	-1.54	--	--	AV	187.00	100	Vertical	N/A
4	7504.275	49.30	-3.04	74.0	24.70	Peak	336.00	300	Vertical	Pass
4**	7504.275	40.94	-3.04	54.0	13.06	AV	336.00	300	Vertical	Pass
5	12346.925	53.49	1.26	74.0	20.51	Peak	336.00	150	Vertical	Pass
5**	12346.925	43.33	1.26	54.0	10.67	AV	336.00	150	Vertical	Pass
6	15564.262	56.43	1.31	74.0	17.57	Peak	30.00	200	Vertical	Pass
6**	15564.262	45.59	1.31	54.0	8.41	AV	30.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.400	39.08	-17.04	74.0	34.92	Peak	267.00	400	Horizontal	Pass
1**	1502.400	29.01	-17.04	54.0	24.99	AV	267.00	400	Horizontal	Pass
2	4396.800	50.17	-4.02	74.0	23.83	Peak	235.00	200	Horizontal	Pass
2**	4396.800	40.90	-4.02	54.0	13.10	AV	235.00	200	Horizontal	Pass
3	5824.000	105.96	-2.13	--	--	Peak	98.00	200	Horizontal	N/A
3**	5824.000	99.00	-2.13	--	--	AV	98.00	200	Horizontal	N/A
4	7365.125	49.75	-3.36	74.0	24.25	Peak	269.00	200	Horizontal	Pass
4**	7365.125	40.81	-3.36	54.0	13.19	AV	269.00	200	Horizontal	Pass
5	12283.675	53.77	1.78	74.0	20.23	Peak	180.00	200	Horizontal	Pass
5**	12283.675	44.73	1.78	54.0	9.27	AV	180.00	200	Horizontal	Pass
6	15851.175	56.12	1.30	74.0	17.88	Peak	156.00	400	Horizontal	Pass
6**	15851.175	45.92	1.30	54.0	8.08	AV	156.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.600	38.45	-16.84	74.0	35.55	Peak	250.00	300	Vertical	Pass
1**	1505.600	29.67	-16.84	54.0	24.33	AV	250.00	300	Vertical	Pass
2	4386.400	50.44	-3.29	74.0	23.56	Peak	360.00	100	Vertical	Pass
2**	4386.400	41.19	-3.29	54.0	12.81	AV	360.00	100	Vertical	Pass
3	5823.000	98.33	-2.13	--	--	Peak	50.00	150	Vertical	N/A
3**	5823.000	90.59	-2.13	--	--	AV	50.00	150	Vertical	N/A
4	7320.563	50.54	-3.09	74.0	23.46	Peak	218.00	200	Vertical	Pass
4**	7320.563	40.43	-3.09	54.0	13.57	AV	218.00	200	Vertical	Pass
5	11961.099	53.39	0.90	74.0	20.61	Peak	218.00	150	Vertical	Pass
5**	11961.099	43.13	0.90	54.0	10.87	AV	218.00	150	Vertical	Pass
6	15808.650	55.21	2.19	74.0	18.79	Peak	1.00	300	Vertical	Pass
6**	15808.650	45.18	2.19	54.0	8.82	AV	1.00	300	Vertical	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.300	39.77	-17.29	74.0	34.23	Peak	345.00	100	Horizontal	Pass
1**	1449.300	28.85	-17.29	54.0	25.15	AV	345.00	100	Horizontal	Pass
2	4374.600	49.87	-4.04	74.0	24.13	Peak	79.00	100	Horizontal	Pass
2**	4374.600	41.14	-4.04	54.0	12.86	AV	79.00	100	Horizontal	Pass
3	5752.800	104.17	-1.96	--	--	Peak	184.00	150	Horizontal	N/A
3**	5752.800	96.81	-1.96	--	--	AV	184.00	150	Horizontal	N/A
4	7678.213	49.87	-2.51	74.0	24.13	Peak	41.00	200	Horizontal	Pass
4**	7678.213	40.60	-2.51	54.0	13.40	AV	41.00	200	Horizontal	Pass
5	12405.287	52.94	1.48	74.0	21.06	Peak	360.00	150	Horizontal	Pass
5**	12405.287	43.84	1.48	54.0	10.16	AV	360.00	150	Horizontal	Pass
6	16124.174	56.84	0.77	74.0	17.16	Peak	270.00	300	Horizontal	Pass
6**	16124.174	45.89	0.77	54.0	8.11	AV	270.00	300	Horizontal	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.700	40.31	-17.11	74.0	33.69	Peak	20.00	300	Vertical	Pass
1**	1497.700	29.05	-17.11	54.0	24.95	AV	20.00	300	Vertical	Pass
2	4395.000	50.05	-3.90	74.0	23.95	Peak	0.00	100	Vertical	Pass
2**	4395.000	40.91	-3.90	54.0	13.09	AV	0.00	100	Vertical	Pass
3	5757.200	95.13	-1.77	--	--	Peak	142.00	150	Vertical	N/A
3**	5757.200	87.50	-1.77	--	--	AV	142.00	150	Vertical	N/A
4	7382.663	49.97	-3.40	74.0	24.03	Peak	343.00	300	Vertical	Pass
4**	7382.663	41.22	-3.40	54.0	12.78	AV	343.00	300	Vertical	Pass
5	12245.437	53.18	1.01	74.0	20.82	Peak	97.00	100	Vertical	Pass
5**	12245.437	43.27	1.01	54.0	10.73	AV	97.00	100	Vertical	Pass
6	15843.299	56.03	1.39	74.0	17.97	Peak	339.00	100	Vertical	Pass
6**	15843.299	46.64	1.39	54.0	7.36	AV	339.00	100	Vertical	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.800	39.29	-16.95	74.0	34.71	Peak	0.00	300	Horizontal	Pass
1**	1540.800	29.35	-16.95	54.0	24.65	AV	0.00	300	Horizontal	Pass
2	4386.400	50.20	-3.29	74.0	23.80	Peak	165.00	200	Horizontal	Pass
2**	4386.400	41.41	-3.29	54.0	12.59	AV	165.00	200	Horizontal	Pass
3	5798.200	103.32	-1.68	--	--	Peak	189.00	200	Horizontal	N/A
3**	5798.200	95.88	-1.68	--	--	AV	189.00	200	Horizontal	N/A
4	7347.875	49.78	-3.73	74.0	24.22	Peak	210.00	200	Horizontal	Pass
4**	7347.875	40.71	-3.73	54.0	13.29	AV	210.00	200	Horizontal	Pass
5	12280.513	53.60	1.80	74.0	20.40	Peak	267.00	150	Horizontal	Pass
5**	12280.513	44.36	1.80	54.0	9.64	AV	267.00	150	Horizontal	Pass
6	15845.925	55.77	1.36	74.0	18.23	Peak	314.00	300	Horizontal	Pass
6**	15845.925	47.08	1.36	54.0	6.92	AV	314.00	300	Horizontal	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.200	39.53	-17.09	74.0	34.47	Peak	296.00	100	Vertical	Pass
1**	1499.200	29.77	-17.09	54.0	24.23	AV	296.00	100	Vertical	Pass
2	4385.800	51.04	-3.33	74.0	22.96	Peak	146.00	400	Vertical	Pass
2**	4385.800	41.43	-3.33	54.0	12.57	AV	146.00	400	Vertical	Pass
3	5799.200	95.06	-1.64	--	--	Peak	15.00	200	Vertical	N/A
3**	5799.200	86.34	-1.64	--	--	AV	15.00	200	Vertical	N/A
4	7338.387	50.11	-2.90	74.0	23.89	Peak	87.00	200	Vertical	Pass
4**	7338.387	41.76	-2.90	54.0	12.24	AV	87.00	200	Vertical	Pass
5	12308.400	53.26	1.38	74.0	20.74	Peak	53.00	150	Vertical	Pass
5**	12308.400	44.24	1.38	54.0	9.76	AV	53.00	150	Vertical	Pass
6	16194.525	55.57	1.59	74.0	18.43	Peak	333.00	200	Vertical	Pass
6**	16194.525	45.85	1.59	54.0	8.15	AV	333.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.700	38.92	-17.17	74.0	35.08	Peak	218.00	100	Horizontal	Pass
1**	1538.700	29.48	-17.17	54.0	24.52	AV	218.00	100	Horizontal	Pass
2	4383.200	50.37	-3.64	74.0	23.63	Peak	169.00	100	Horizontal	Pass
2**	4383.200	41.71	-3.64	54.0	12.29	AV	169.00	100	Horizontal	Pass
3	5746.600	106.04	-2.21	--	--	Peak	157.00	100	Horizontal	N/A
3**	5746.600	98.53	-2.21	--	--	AV	157.00	100	Horizontal	N/A
4	7625.888	49.50	-2.77	74.0	24.50	Peak	191.00	300	Horizontal	Pass
4**	7625.888	40.48	-2.77	54.0	13.52	AV	191.00	300	Horizontal	Pass
5	12239.400	53.35	1.08	74.0	20.65	Peak	60.00	200	Horizontal	Pass
5**	12239.400	43.94	1.08	54.0	10.06	AV	60.00	200	Horizontal	Pass
6	15858.525	55.67	1.01	74.0	18.33	Peak	324.00	400	Horizontal	Pass
6**	15858.525	47.24	1.01	54.0	6.76	AV	324.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.100	39.07	-16.92	74.0	34.93	Peak	303.00	200	Vertical	Pass
1**	1500.100	29.90	-16.92	54.0	24.10	AV	303.00	200	Vertical	Pass
2	4380.000	50.97	-3.32	74.0	23.03	Peak	93.00	100	Vertical	Pass
2**	4380.000	41.68	-3.32	54.0	12.32	AV	93.00	100	Vertical	Pass
3	5746.800	98.25	-2.21	--	--	Peak	47.00	100	Vertical	N/A
3**	5746.800	90.68	-2.21	--	--	AV	47.00	100	Vertical	N/A
4	7339.537	49.91	-2.93	74.0	24.09	Peak	179.00	300	Vertical	Pass
4**	7339.537	41.12	-2.93	54.0	12.88	AV	179.00	300	Vertical	Pass
5	12248.025	53.70	0.98	74.0	20.30	Peak	142.00	200	Vertical	Pass
5**	12248.025	43.25	0.98	54.0	10.75	AV	142.00	200	Vertical	Pass
6	15825.188	56.13	1.64	74.0	17.87	Peak	242.00	300	Vertical	Pass
6**	15825.188	46.42	1.64	54.0	7.58	AV	242.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1537.600	39.21	-17.02	74.0	34.79	Peak	192.00	200	Horizontal	Pass
1**	1537.600	29.42	-17.02	54.0	24.58	AV	192.00	200	Horizontal	Pass
2	4211.200	50.00	-4.45	74.0	24.00	Peak	188.00	400	Horizontal	Pass
2**	4211.200	40.34	-4.45	54.0	13.66	AV	188.00	400	Horizontal	Pass
3	5782.800	106.58	-1.40	--	--	Peak	162.00	200	Horizontal	N/A
3**	5782.800	99.50	-1.40	--	--	AV	162.00	200	Horizontal	N/A
4	7351.325	49.39	-3.71	74.0	24.61	Peak	325.00	200	Horizontal	Pass
4**	7351.325	41.07	-3.71	54.0	12.93	AV	325.00	200	Horizontal	Pass
5	12237.100	53.33	1.12	74.0	20.67	Peak	84.00	200	Horizontal	Pass
5**	12237.100	43.75	1.12	54.0	10.25	AV	84.00	200	Horizontal	Pass
6	15796.575	56.82	2.22	74.0	17.18	Peak	295.00	100	Horizontal	Pass
6**	15796.575	46.80	2.22	54.0	7.20	AV	295.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.700	39.34	-17.22	74.0	34.66	Peak	39.00	200	Vertical	Pass
1**	1511.700	29.31	-17.22	54.0	24.69	AV	39.00	200	Vertical	Pass
2	4380.000	50.74	-3.32	74.0	23.26	Peak	105.00	400	Vertical	Pass
2**	4380.000	42.44	-3.32	54.0	11.56	AV	105.00	400	Vertical	Pass
3	5786.600	98.28	-1.66	--	--	Peak	72.00	100	Vertical	N/A
3**	5786.600	90.99	-1.66	--	--	AV	72.00	100	Vertical	N/A
4	7337.525	50.46	-2.90	74.0	23.54	Peak	360.00	300	Vertical	Pass
4**	7337.525	41.86	-2.90	54.0	12.14	AV	360.00	300	Vertical	Pass
5	11953.050	53.57	1.26	74.0	20.43	Peak	0.00	100	Vertical	Pass
5**	11953.050	43.82	1.26	54.0	10.18	AV	0.00	100	Vertical	Pass
6	15801.825	55.83	2.31	74.0	18.17	Peak	360.00	300	Vertical	Pass
6**	15801.825	47.48	2.31	54.0	6.52	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.300	39.20	-17.10	74.0	34.80	Peak	47.00	100	Horizontal	Pass
1**	1617.300	29.51	-17.10	54.0	24.49	AV	47.00	100	Horizontal	Pass
2	4380.000	50.14	-3.32	74.0	23.86	Peak	176.00	100	Horizontal	Pass
2**	4380.000	41.40	-3.32	54.0	12.60	AV	176.00	100	Horizontal	Pass
3	5827.600	106.91	-1.92	--	--	Peak	190.00	200	Horizontal	N/A
3**	5827.600	99.53	-1.92	--	--	AV	190.00	200	Horizontal	N/A
4	7379.500	49.63	-3.47	74.0	24.37	Peak	269.00	200	Horizontal	Pass
4**	7379.500	39.78	-3.47	54.0	14.22	AV	269.00	200	Horizontal	Pass
5	12697.099	52.80	0.83	74.0	21.20	Peak	313.00	100	Horizontal	Pass
5**	12697.099	43.20	0.83	54.0	10.80	AV	313.00	100	Horizontal	Pass
6	15520.162	55.89	1.38	74.0	18.11	Peak	6.00	400	Horizontal	Pass
6**	15520.162	46.19	1.38	54.0	7.81	AV	6.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.900	39.41	-17.14	74.0	34.59	Peak	99.00	100	Vertical	Pass
1**	1498.900	29.14	-17.14	54.0	24.86	AV	99.00	100	Vertical	Pass
2	4386.800	50.15	-3.31	74.0	23.85	Peak	181.00	400	Vertical	Pass
2**	4386.800	41.75	-3.31	54.0	12.25	AV	181.00	400	Vertical	Pass
3	5827.200	97.91	-1.96	--	--	Peak	47.00	200	Vertical	N/A
3**	5827.200	91.25	-1.96	--	--	AV	47.00	200	Vertical	N/A
4	7508.013	50.00	-3.11	74.0	24.00	Peak	0.00	400	Vertical	Pass
4**	7508.013	41.24	-3.11	54.0	12.76	AV	0.00	400	Vertical	Pass
5	12231.063	53.04	1.27	74.0	20.96	Peak	84.00	100	Vertical	Pass
5**	12231.063	44.51	1.27	54.0	9.49	AV	84.00	100	Vertical	Pass
6	16195.049	55.84	1.60	74.0	18.16	Peak	253.00	100	Vertical	Pass
6**	16195.049	46.35	1.60	54.0	7.65	AV	253.00	100	Vertical	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.900	39.03	-16.83	74.0	34.97	Peak	42.00	400	Horizontal	Pass
1**	1505.900	30.17	-16.83	54.0	23.83	AV	42.00	400	Horizontal	Pass
2	4385.400	50.13	-3.40	74.0	23.87	Peak	248.00	200	Horizontal	Pass
2**	4385.400	41.82	-3.40	54.0	12.18	AV	248.00	200	Horizontal	Pass
3	5757.200	103.89	-1.77	--	--	Peak	187.00	100	Horizontal	N/A
3**	5757.200	96.82	-1.77	--	--	AV	187.00	100	Horizontal	N/A
4	7340.400	49.62	-3.01	74.0	24.38	Peak	360.00	100	Horizontal	Pass
4**	7340.400	41.06	-3.01	54.0	12.94	AV	360.00	100	Horizontal	Pass
5	11516.338	53.05	-0.36	74.0	20.95	Peak	290.00	100	Horizontal	Pass
5**	11516.338	43.04	-0.36	54.0	10.96	AV	290.00	100	Horizontal	Pass
6	15814.950	56.21	2.06	74.0	17.79	Peak	95.00	100	Horizontal	Pass
6**	15814.950	47.20	2.06	54.0	6.80	AV	95.00	100	Horizontal	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.900	39.30	-16.82	74.0	34.70	Peak	330.00	300	Vertical	Pass
1**	1487.900	29.09	-16.82	54.0	24.91	AV	330.00	300	Vertical	Pass
2	4388.000	50.53	-3.39	74.0	23.47	Peak	360.00	100	Vertical	Pass
2**	4388.000	41.43	-3.39	54.0	12.57	AV	360.00	100	Vertical	Pass
3	5759.200	95.09	-1.59	--	--	Peak	12.00	100	Vertical	N/A
3**	5759.200	86.75	-1.59	--	--	AV	12.00	100	Vertical	N/A
4	7678.500	49.54	-2.49	74.0	24.46	Peak	87.00	100	Vertical	Pass
4**	7678.500	40.06	-2.49	54.0	13.94	AV	87.00	100	Vertical	Pass
5	12397.813	53.24	1.59	74.0	20.76	Peak	51.00	150	Vertical	Pass
5**	12397.813	43.67	1.59	54.0	10.33	AV	51.00	150	Vertical	Pass
6	16027.312	56.17	0.69	74.0	17.83	Peak	360.00	300	Vertical	Pass
6**	16027.312	45.88	0.69	54.0	8.12	AV	360.00	300	Vertical	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.100	39.86	-16.76	74.0	34.14	Peak	348.00	100	Horizontal	Pass
1**	1489.100	29.95	-16.76	54.0	24.05	AV	348.00	100	Horizontal	Pass
2	3731.600	50.09	-5.21	74.0	23.91	Peak	94.00	200	Horizontal	Pass
2**	3731.600	39.92	-5.21	54.0	14.08	AV	94.00	200	Horizontal	Pass
3	5792.600	102.70	-1.87	--	--	Peak	186.00	200	Horizontal	N/A
3**	5792.600	96.53	-1.87	--	--	AV	186.00	200	Horizontal	N/A
4	7336.663	50.17	-3.07	74.0	23.83	Peak	360.00	300	Horizontal	Pass
4**	7336.663	40.93	-3.07	54.0	13.07	AV	360.00	300	Horizontal	Pass
5	12407.012	53.39	1.46	74.0	20.61	Peak	272.00	150	Horizontal	Pass
5**	12407.012	43.23	1.46	54.0	10.77	AV	272.00	150	Horizontal	Pass
6	15496.275	56.13	1.08	74.0	17.87	Peak	127.00	400	Horizontal	Pass
6**	15496.275	45.79	1.08	54.0	8.21	AV	127.00	400	Horizontal	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1537.000	39.49	-16.94	74.0	34.51	Peak	94.00	300	Vertical	Pass
1**	1537.000	29.59	-16.94	54.0	24.41	AV	94.00	300	Vertical	Pass
2	4386.600	50.24	-3.30	74.0	23.76	Peak	159.00	200	Vertical	Pass
2**	4386.600	41.49	-3.30	54.0	12.51	AV	159.00	200	Vertical	Pass
3	5788.800	94.49	-1.74	--	--	Peak	12.00	150	Vertical	N/A
3**	5788.800	86.20	-1.74	--	--	AV	12.00	150	Vertical	N/A
4	7363.975	49.99	-3.62	74.0	24.01	Peak	239.00	100	Vertical	Pass
4**	7363.975	40.63	-3.62	54.0	13.37	AV	239.00	100	Vertical	Pass
5	12353.825	53.01	1.18	74.0	20.99	Peak	343.00	150	Vertical	Pass
5**	12353.825	43.98	1.18	54.0	10.02	AV	343.00	150	Vertical	Pass
6	16075.875	56.02	1.56	74.0	17.98	Peak	264.00	300	Vertical	Pass
6**	16075.875	46.59	1.56	54.0	7.41	AV	264.00	300	Vertical	Pass

11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.100	40.15	-16.92	74.0	33.85	Peak	147.00	300	Horizontal	Pass
1**	1500.100	29.53	-16.92	54.0	24.47	AV	147.00	300	Horizontal	Pass
2	4385.600	50.57	-3.36	74.0	23.43	Peak	134.00	400	Horizontal	Pass
2**	4385.600	41.64	-3.36	54.0	12.36	AV	134.00	400	Horizontal	Pass
3	5768.400	101.22	-1.92	--	--	Peak	178.00	200	Horizontal	N/A
3**	5768.400	92.86	-1.92	--	--	AV	178.00	200	Horizontal	N/A
4	7728.237	50.34	-2.53	74.0	23.66	Peak	326.00	200	Horizontal	Pass
4**	7728.237	39.81	-2.53	54.0	14.19	AV	326.00	200	Horizontal	Pass
5	12607.400	53.55	1.90	74.0	20.45	Peak	75.00	100	Horizontal	Pass
5**	12607.400	44.30	1.90	54.0	9.70	AV	75.00	100	Horizontal	Pass
6	15793.424	56.90	2.12	74.0	17.10	Peak	75.00	400	Horizontal	Pass
6**	15793.424	46.30	2.12	54.0	7.70	AV	75.00	400	Horizontal	Pass

11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.600	39.99	-17.01	74.0	34.01	Peak	92.00	100	Vertical	Pass
1**	1499.600	30.44	-17.01	54.0	23.56	AV	92.00	100	Vertical	Pass
2	4377.800	50.17	-3.48	74.0	23.83	Peak	339.00	400	Vertical	Pass
2**	4377.800	42.02	-3.48	54.0	11.98	AV	339.00	400	Vertical	Pass
3	5781.400	93.10	-1.49	--	--	Peak	25.00	200	Vertical	N/A
3**	5781.400	85.07	-1.49	--	--	AV	25.00	200	Vertical	N/A
4	7342.987	49.41	-3.31	74.0	24.59	Peak	86.00	100	Vertical	Pass
4**	7342.987	41.53	-3.31	54.0	12.47	AV	86.00	100	Vertical	Pass
5	12292.588	53.06	1.62	74.0	20.94	Peak	290.00	150	Vertical	Pass
5**	12292.588	44.13	1.62	54.0	9.87	AV	290.00	150	Vertical	Pass
6	15803.662	56.25	2.29	74.0	17.75	Peak	225.00	300	Vertical	Pass
6**	15803.662	46.59	2.29	54.0	7.41	AV	225.00	300	Vertical	Pass

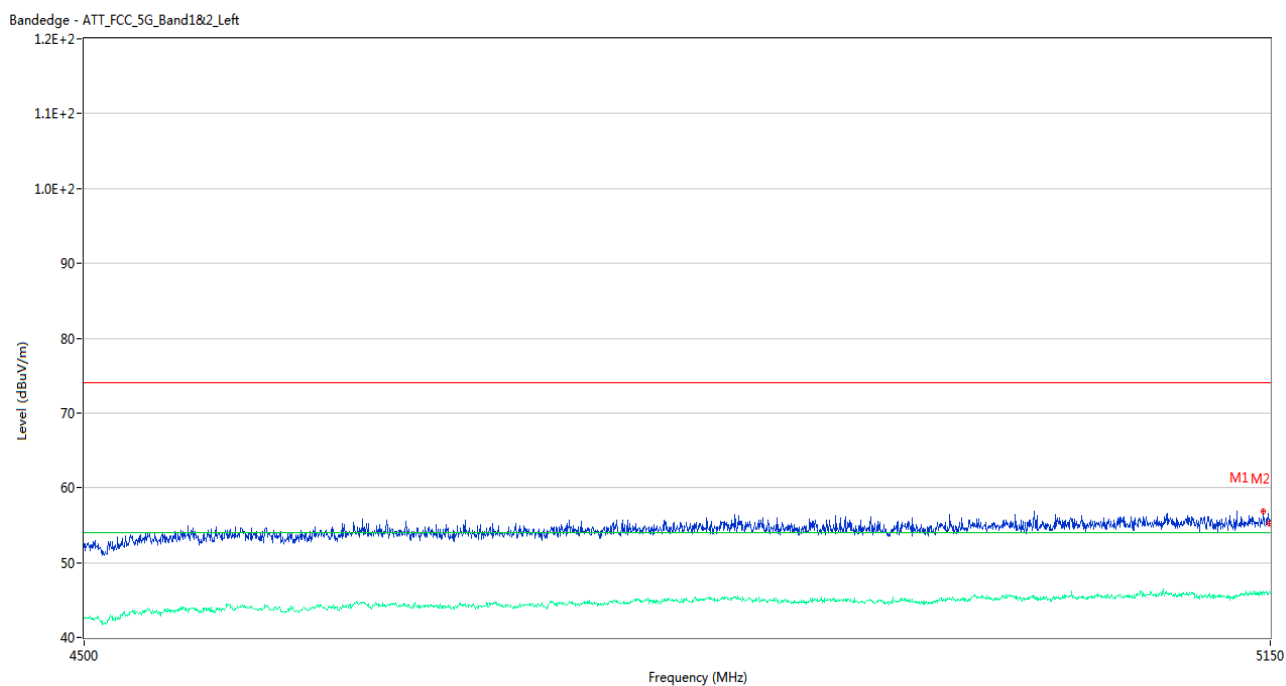
A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

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

Test Data and Plots

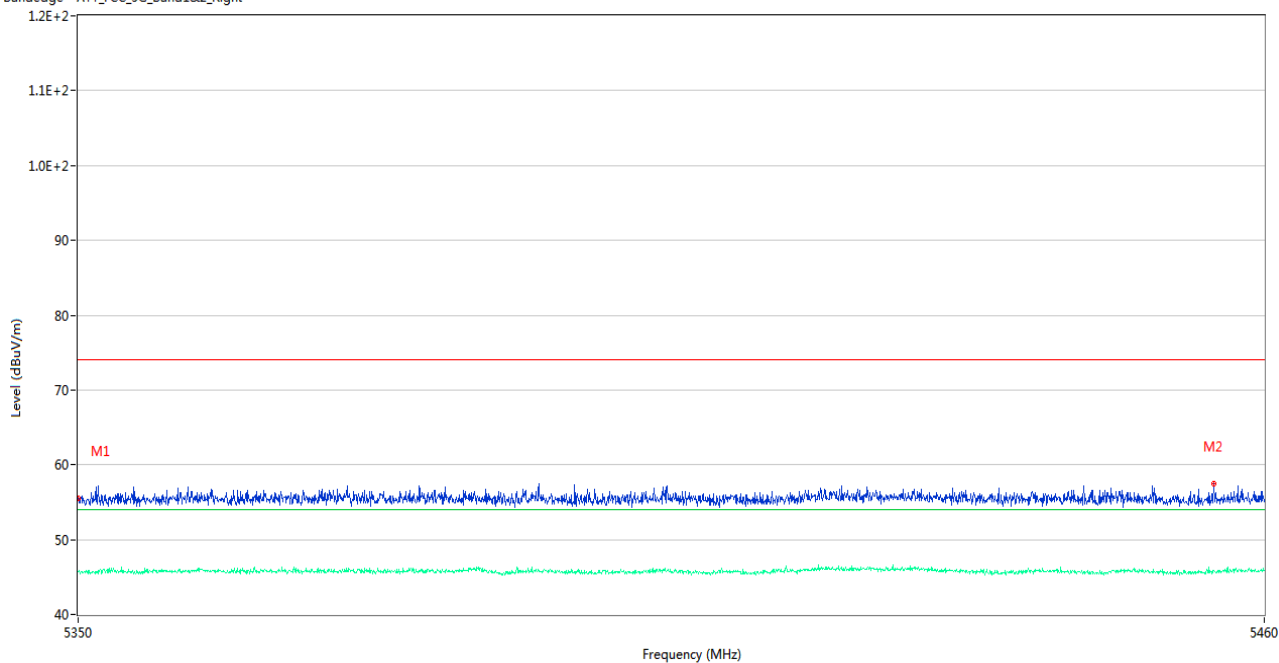
U-NII-1 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.100	56.86	2.28	74.0	17.14	Peak	109.00	200	Horizontal	Pass
1**	5146.100	45.99	2.28	54.0	8.01	AV	109.00	200	Horizontal	Pass
2	5149.675	55.19	2.07	74.0	18.81	Peak	194.00	200	Horizontal	Pass
2**	5149.675	46.07	2.07	54.0	7.93	AV	194.00	200	Horizontal	Pass

U-NII-1 11a High Channel

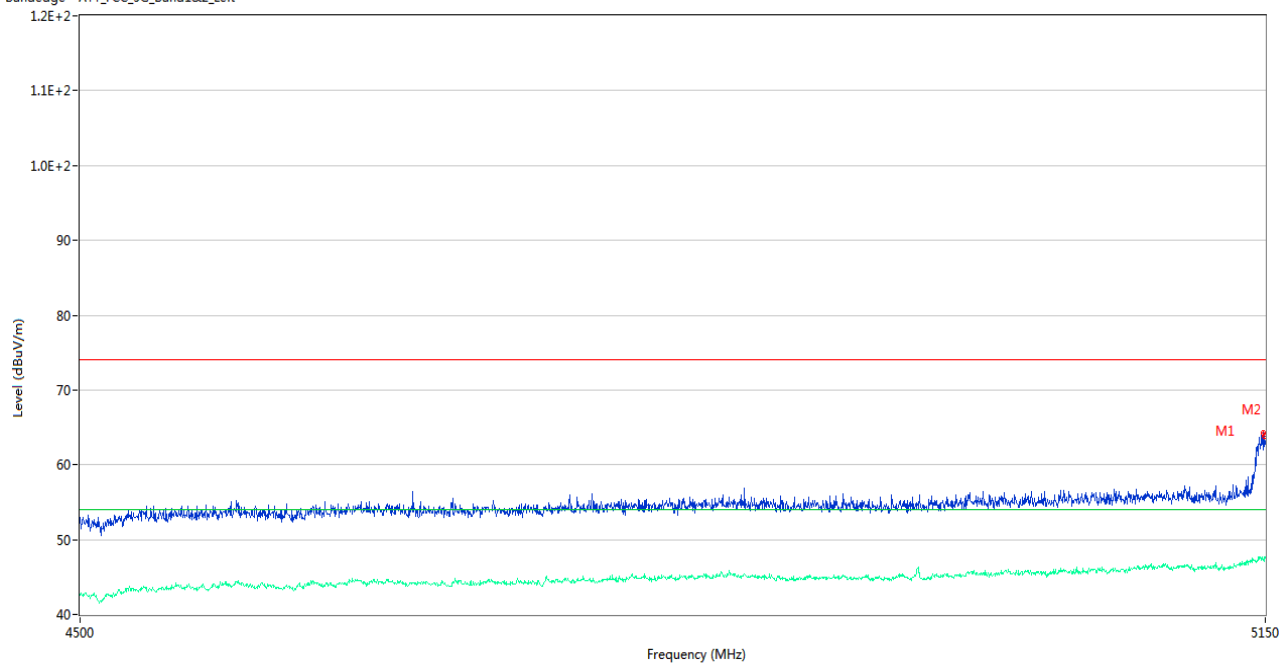
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.52	1.93	74.0	18.48	Peak	286.00	100	Horizontal	Pass
1**	5350.000	45.78	1.93	54.0	8.22	AV	286.00	100	Horizontal	Pass
2	5455.270	57.51	2.31	74.0	16.49	Peak	204.00	150	Horizontal	Pass
2**	5455.270	45.92	2.31	54.0	8.08	AV	204.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel

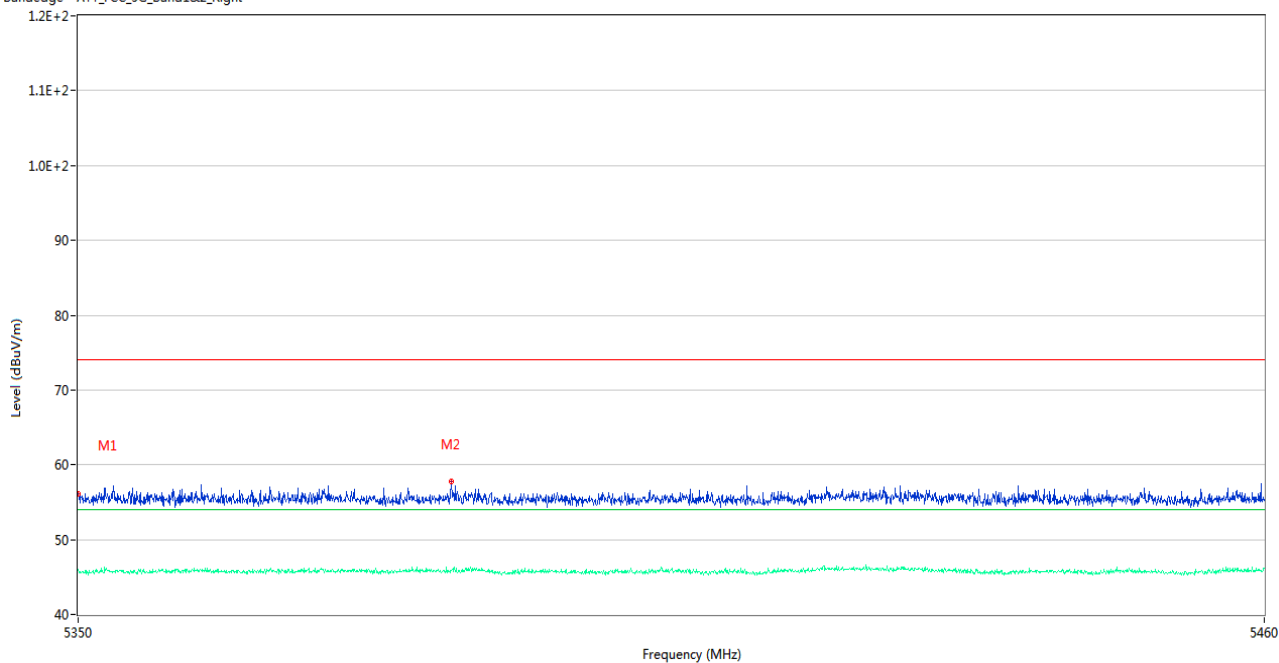
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5138.300	58.89	2.39	74.0	15.11	Peak	76.00	150	Horizontal	Pass
1**	5138.300	45.57	2.39	54.0	8.43	AV	76.00	150	Horizontal	Pass
2	5149.675	55.45	2.07	74.0	18.55	Peak	87.00	150	Horizontal	Pass
2**	5149.675	45.93	2.07	54.0	8.07	AV	87.00	150	Horizontal	Pass

U-NII-1 11n20 High Channel

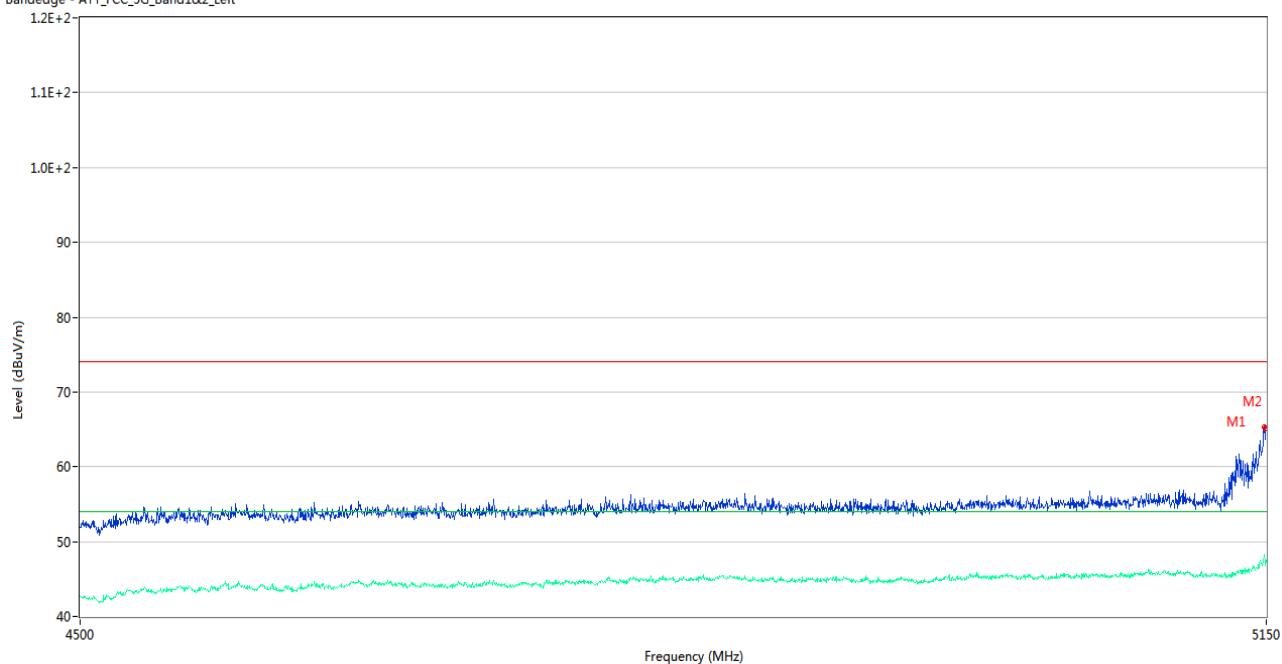
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.18	1.93	74.0	17.82	Peak	140.00	150	Horizontal	Pass
1**	5350.000	46.08	1.93	54.0	7.92	AV	140.00	150	Horizontal	Pass
2	5384.375	57.82	2.19	74.0	16.18	Peak	245.00	200	Horizontal	Pass
2**	5384.375	45.85	2.19	54.0	8.15	AV	245.00	200	Horizontal	Pass

U-NII-1 11n40 Low Channel

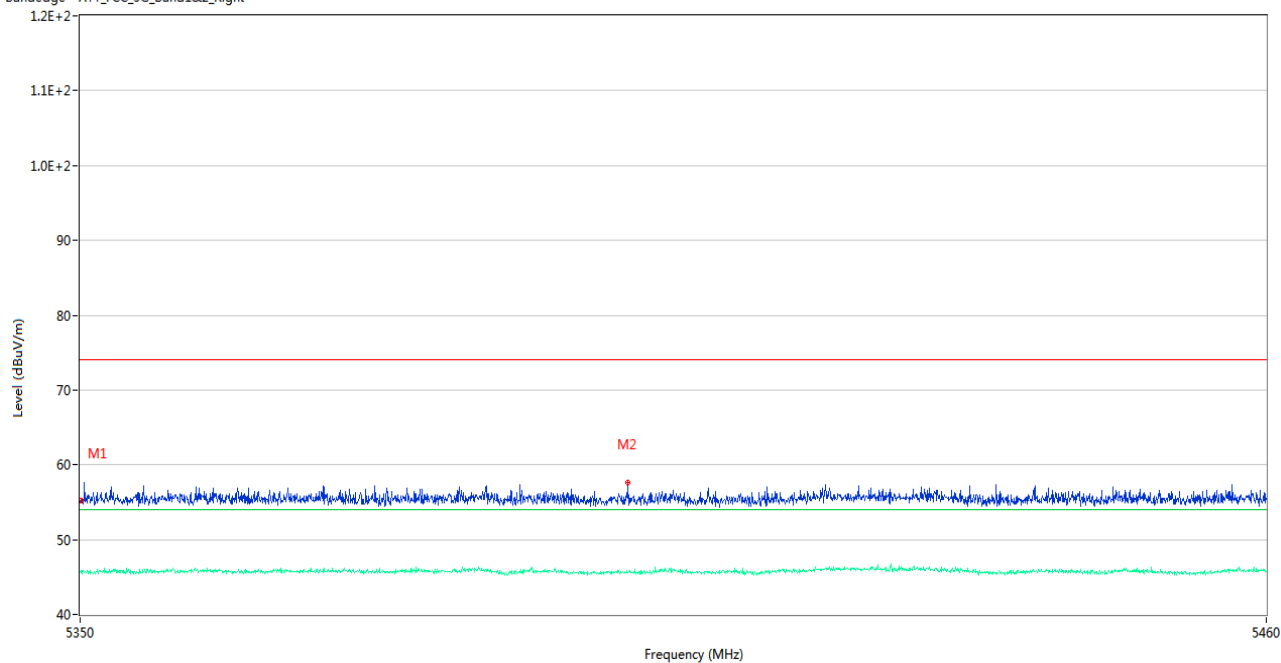
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	65.25	2.02	74.0	8.75	Peak	141.00	200	Horizontal	Pass
1**	5149.025	48.01	2.02	54.0	5.99	AV	141.00	200	Horizontal	Pass
2	5149.675	65.09	2.07	74.0	8.91	Peak	157.00	200	Horizontal	Pass
2**	5149.675	46.76	2.07	54.0	7.24	AV	157.00	200	Horizontal	Pass

U-NII-1 11n40 High Channel

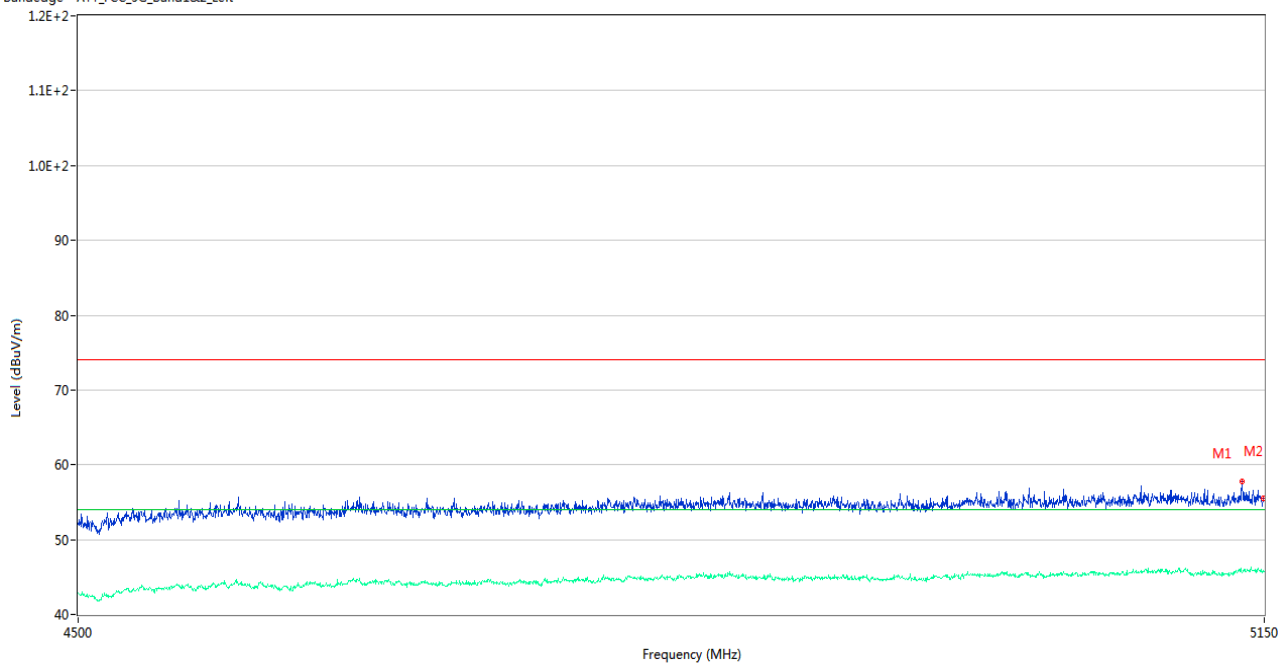
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.22	1.93	74.0	18.78	Peak	92.00	150	Horizontal	Pass
1**	5350.055	45.83	1.93	54.0	8.17	AV	92.00	150	Horizontal	Pass
2	5400.545	57.68	1.98	74.0	16.32	Peak	21.00	100	Horizontal	Pass
2**	5400.545	45.57	1.98	54.0	8.43	AV	21.00	100	Horizontal	Pass

U-NII-1 11ac20 Low Channel

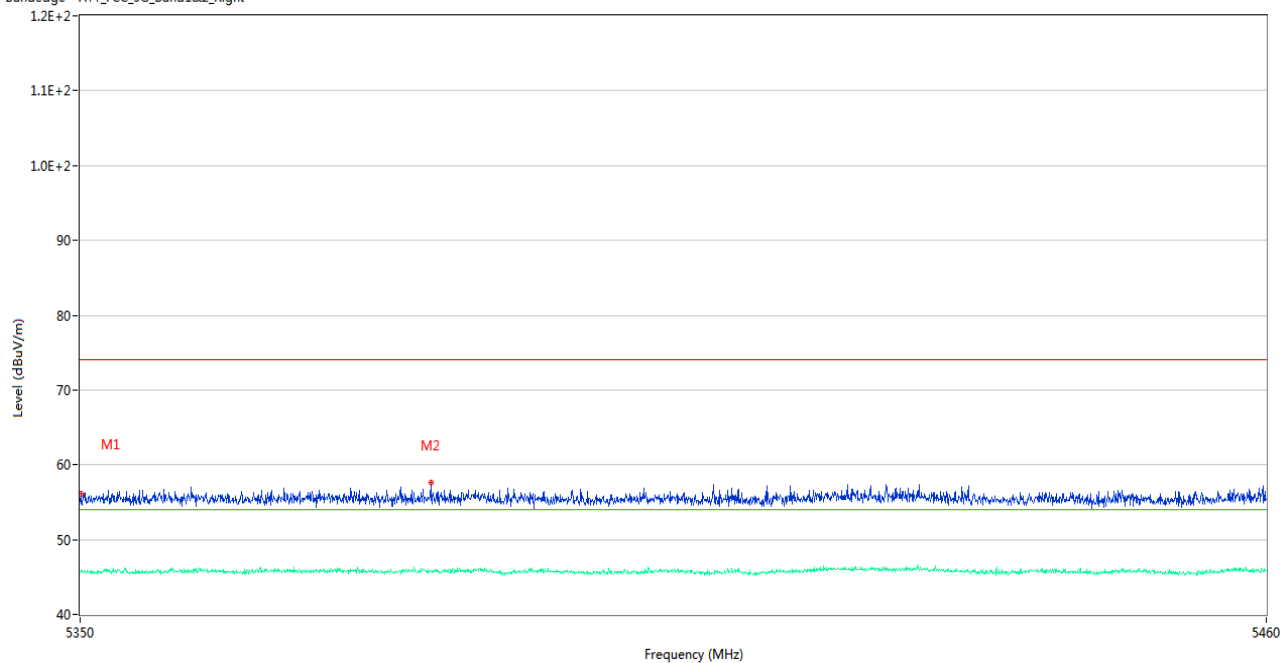
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5137.000	57.84	2.41	74.0	16.16	Peak	174.00	100	Horizontal	Pass
1**	5137.000	45.64	2.41	54.0	8.36	AV	174.00	100	Horizontal	Pass
2	5149.675	55.56	2.07	74.0	18.44	Peak	289.00	200	Horizontal	Pass
2**	5149.675	45.94	2.07	54.0	8.06	AV	289.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

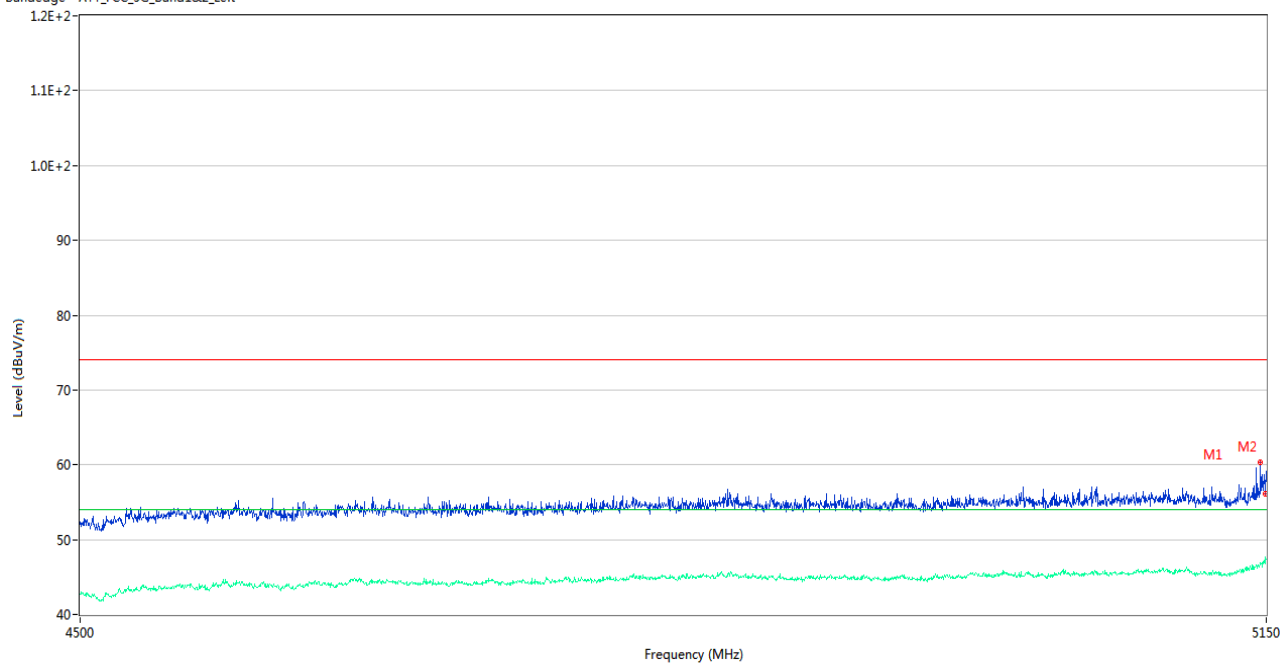
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.13	1.93	74.0	17.87	Peak	146.00	100	Horizontal	Pass
1**	5350.055	45.78	1.93	54.0	8.22	AV	146.00	100	Horizontal	Pass
2	5382.285	57.56	2.19	74.0	16.44	Peak	360.00	150	Horizontal	Pass
2**	5382.285	45.79	2.19	54.0	8.21	AV	360.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel

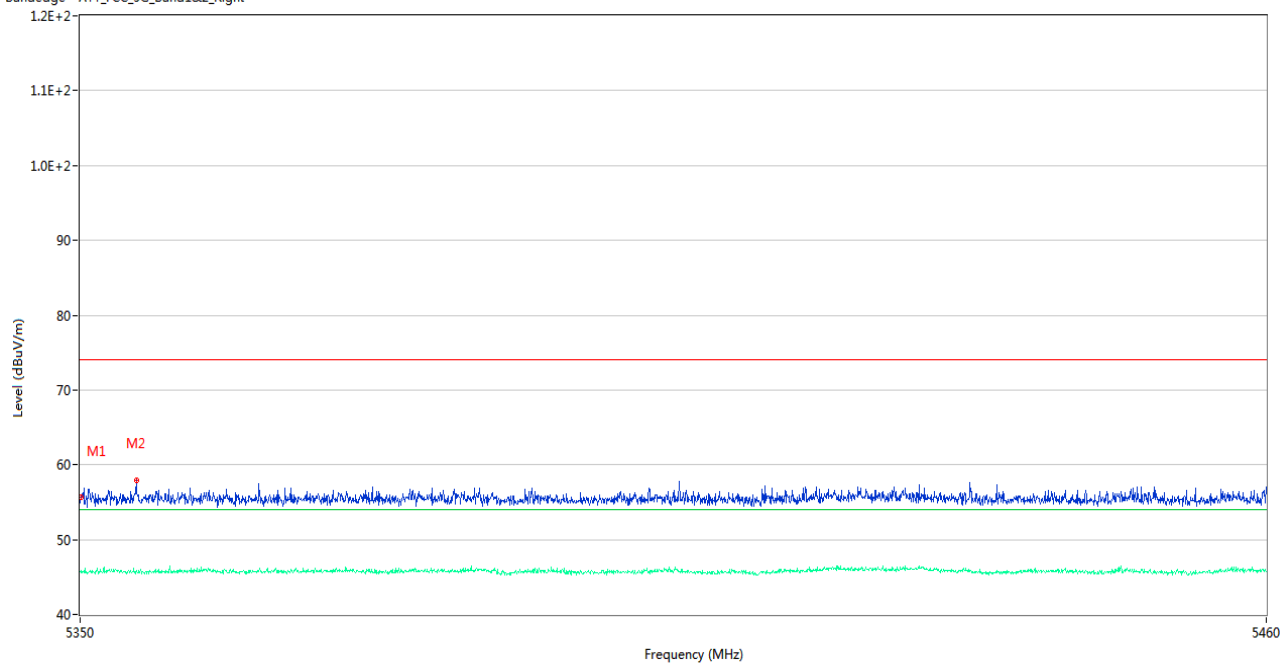
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.750	60.34	2.29	74.0	13.66	Peak	154.00	100	Horizontal	Pass
1**	5146.750	46.96	2.29	54.0	7.04	AV	154.00	100	Horizontal	Pass
2	5149.675	56.18	2.07	74.0	17.82	Peak	141.00	100	Horizontal	Pass
2**	5149.675	47.75	2.07	54.0	6.25	AV	141.00	100	Horizontal	Pass

U-NII-1 11ac40 High Channel

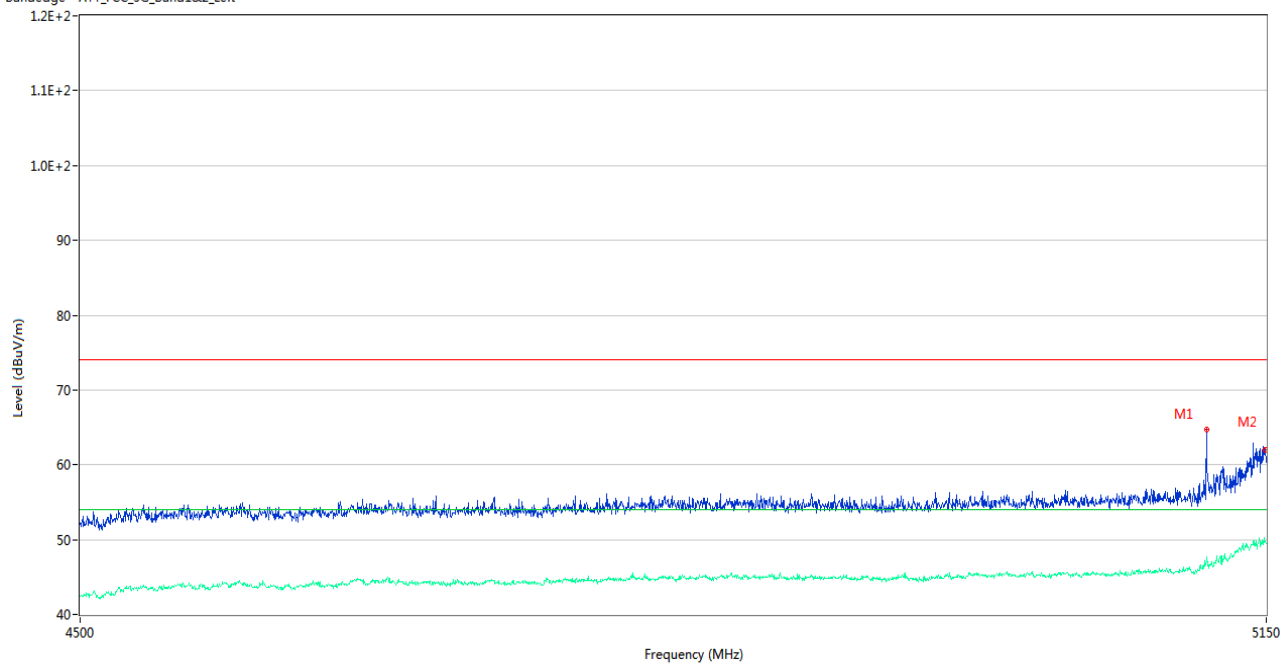
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.68	1.93	74.0	18.32	Peak	91.00	150	Horizontal	Pass
1**	5350.055	45.81	1.93	54.0	8.19	AV	91.00	150	Horizontal	Pass
2	5355.170	57.92	2.05	74.0	16.08	Peak	141.00	100	Horizontal	Pass
2**	5355.170	45.83	2.05	54.0	8.17	AV	141.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

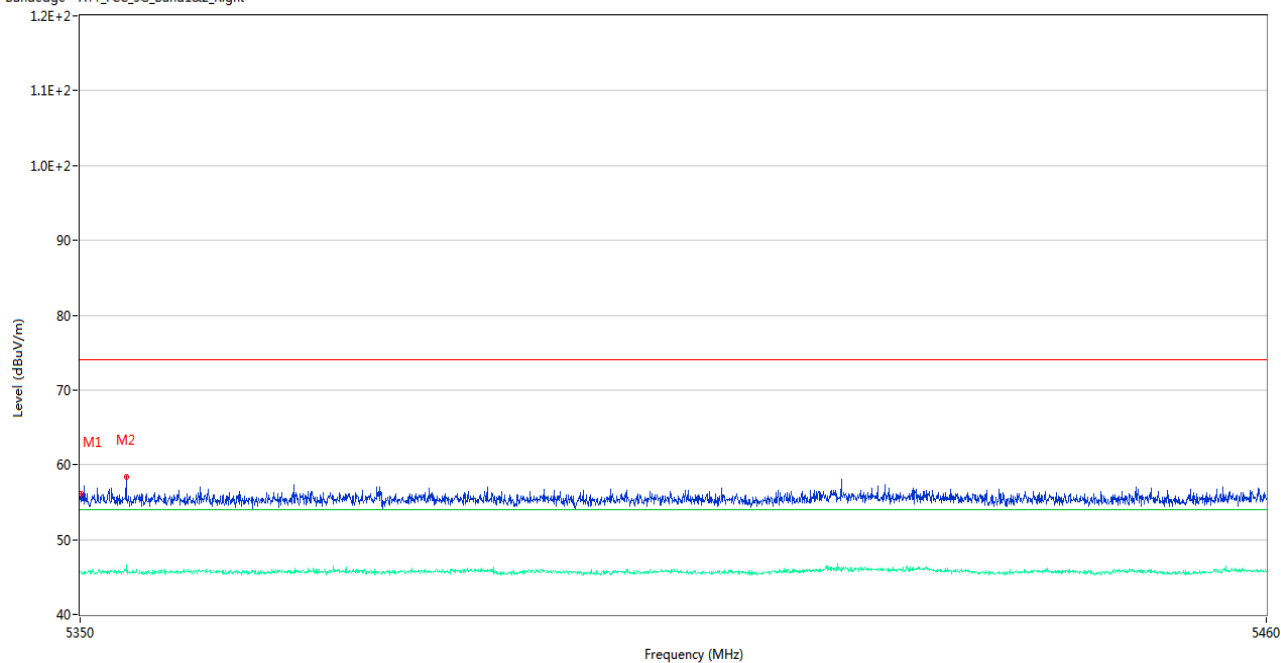
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5115.225	64.76	2.17	74.0	9.24	Peak	147.00	200	Horizontal	Pass
1**	5115.225	47.09	2.17	54.0	6.91	AV	147.00	200	Horizontal	Pass
2	5149.675	62.06	2.07	74.0	11.94	Peak	147.00	200	Horizontal	Pass
2**	5149.675	49.68	2.07	54.0	4.32	AV	147.00	200	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

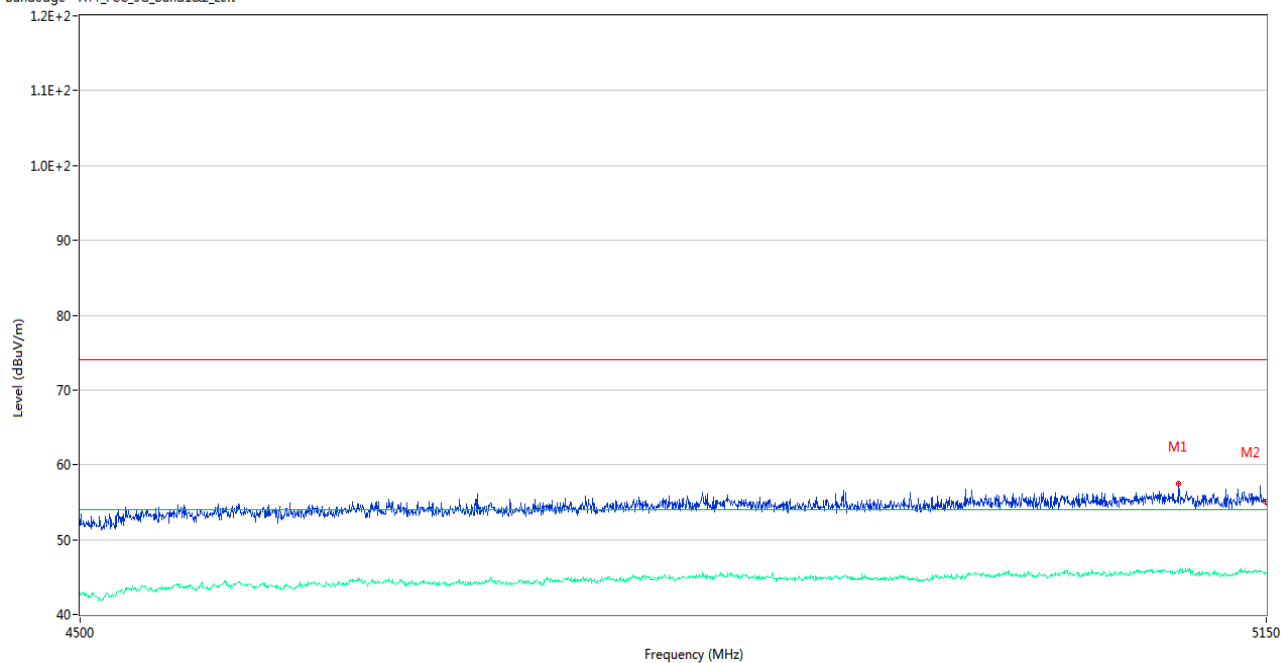
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.15	1.93	74.0	17.85	Peak	179.00	100	Horizontal	Pass
1**	5350.055	45.57	1.93	54.0	8.43	AV	179.00	100	Horizontal	Pass
2	5354.235	58.34	2.09	74.0	15.66	Peak	177.00	150	Horizontal	Pass
2**	5354.235	45.66	2.09	54.0	8.34	AV	177.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel

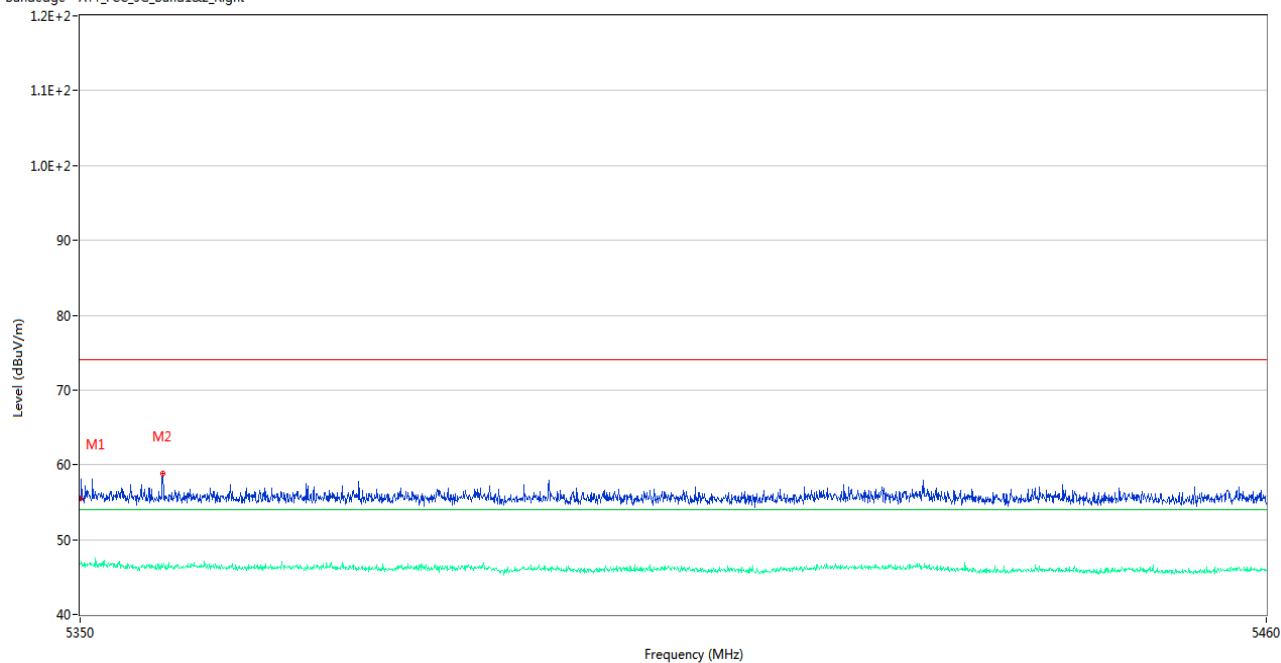
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5098.975	57.49	2.33	74.0	16.51	Peak	344.00	150	Horizontal	Pass
1**	5098.975	45.65	2.33	54.0	8.35	AV	344.00	150	Horizontal	Pass
2	5149.675	55.03	2.07	74.0	18.97	Peak	360.00	150	Horizontal	Pass
2**	5149.675	45.46	2.07	54.0	8.54	AV	360.00	150	Horizontal	Pass

U-NII-2A 11a High Channel

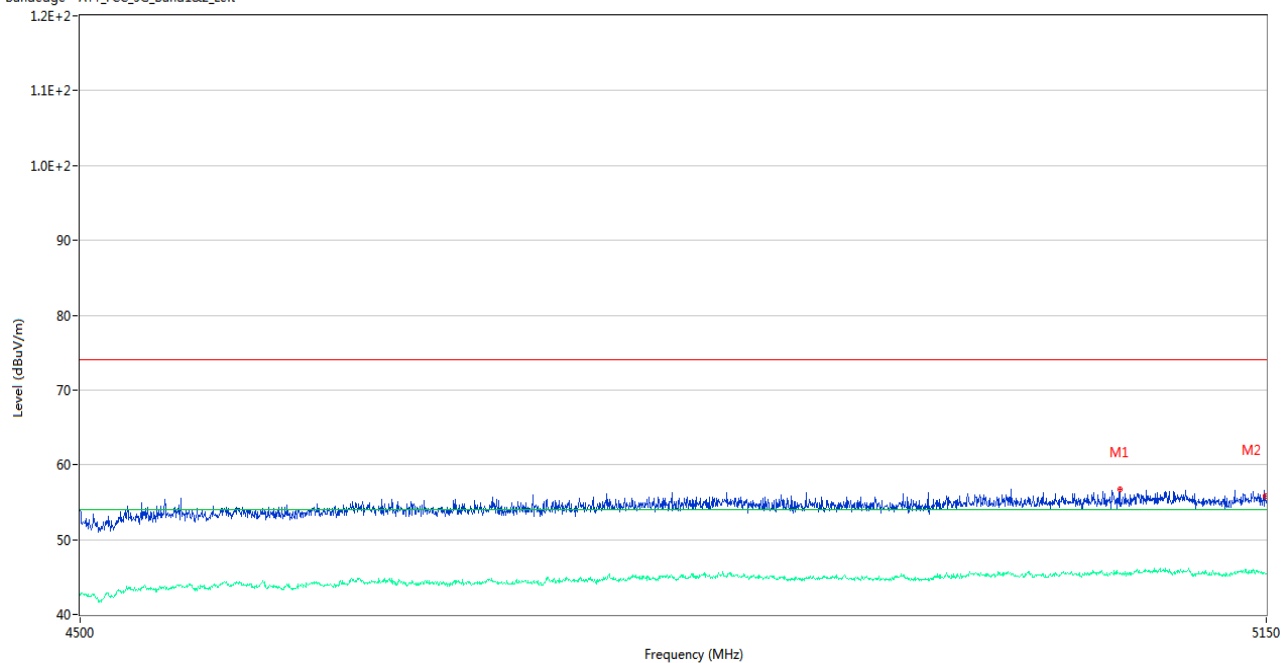
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.52	1.93	74.0	18.48	Peak	90.00	100	Horizontal	Pass
1**	5350.000	46.76	1.93	54.0	7.24	AV	90.00	100	Horizontal	Pass
2	5357.590	58.79	2.21	74.0	15.21	Peak	147.00	150	Horizontal	Pass
2**	5357.590	46.32	2.21	54.0	7.68	AV	147.00	150	Horizontal	Pass

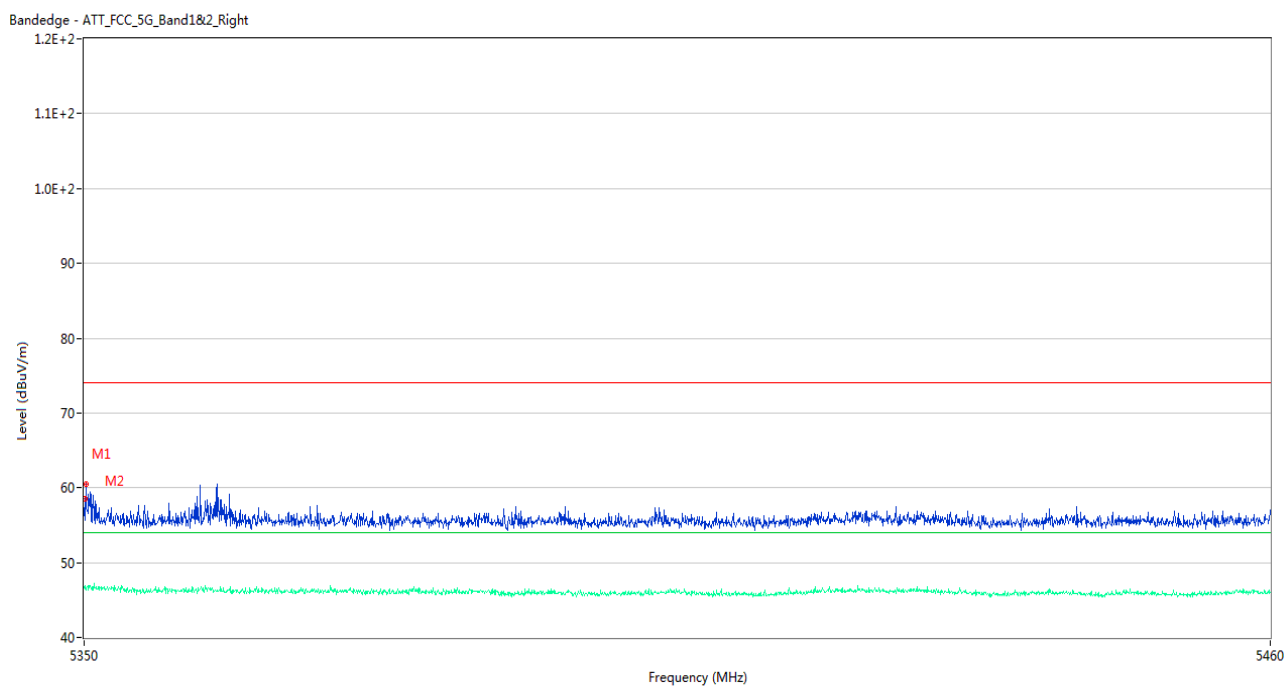
U-NII-2A 11n20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5064.850	56.67	2.01	74.0	17.33	Peak	104.00	100	Horizontal	Pass
1**	5064.850	45.57	2.01	54.0	8.43	AV	104.00	100	Horizontal	Pass
2	5149.675	55.83	2.07	74.0	18.17	Peak	27.00	200	Horizontal	Pass
2**	5149.675	45.44	2.07	54.0	8.56	AV	27.00	200	Horizontal	Pass

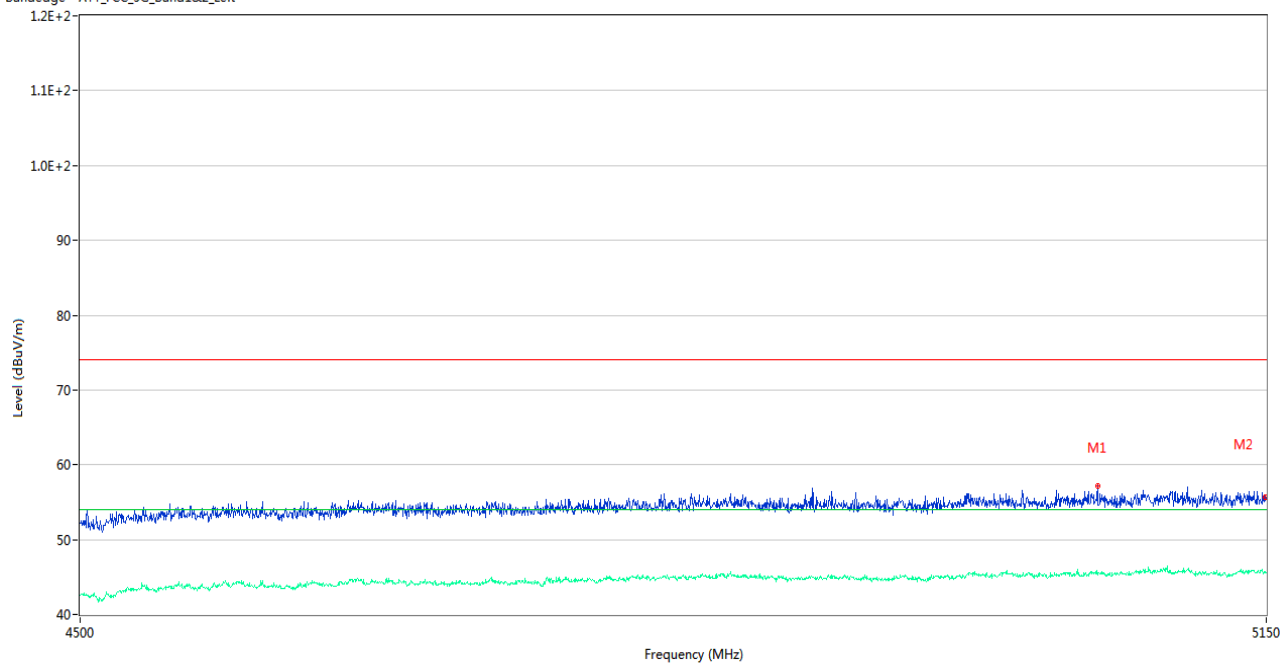
U-NII-2A 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	58.60	1.93	74.0	15.40	Peak	164.00	100	Horizontal	Pass
1**	5350.055	46.87	1.93	54.0	7.13	AV	164.00	100	Horizontal	Pass
2	5350.165	60.55	1.92	74.0	13.45	Peak	144.00	100	Horizontal	Pass
2**	5350.165	46.34	1.92	54.0	7.66	AV	144.00	100	Horizontal	Pass

U-NII-2A 11n40 Low Channel

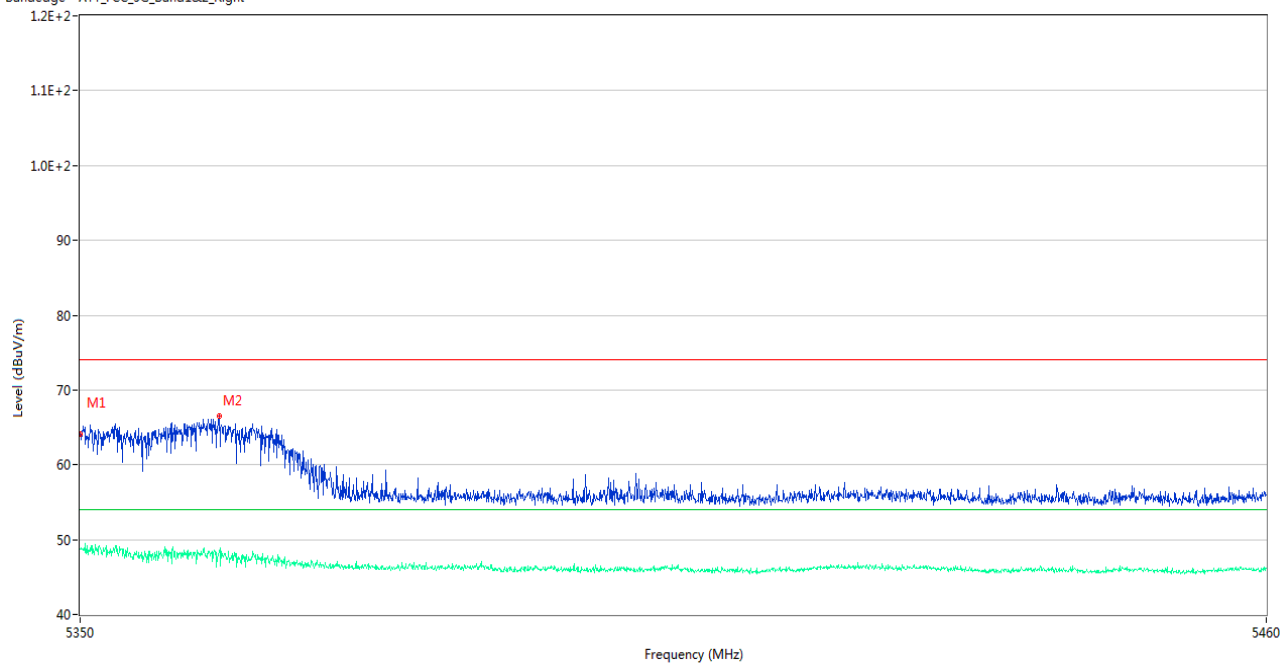
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5052.175	57.25	2.07	74.0	16.75	Peak	0.00	200	Horizontal	Pass
1**	5052.175	45.29	2.07	54.0	8.71	AV	0.00	200	Horizontal	Pass
2	5149.675	55.64	2.07	74.0	18.36	Peak	85.00	200	Horizontal	Pass
2**	5149.675	45.59	2.07	54.0	8.41	AV	85.00	200	Horizontal	Pass

U-NII-2A 11n40 High Channel

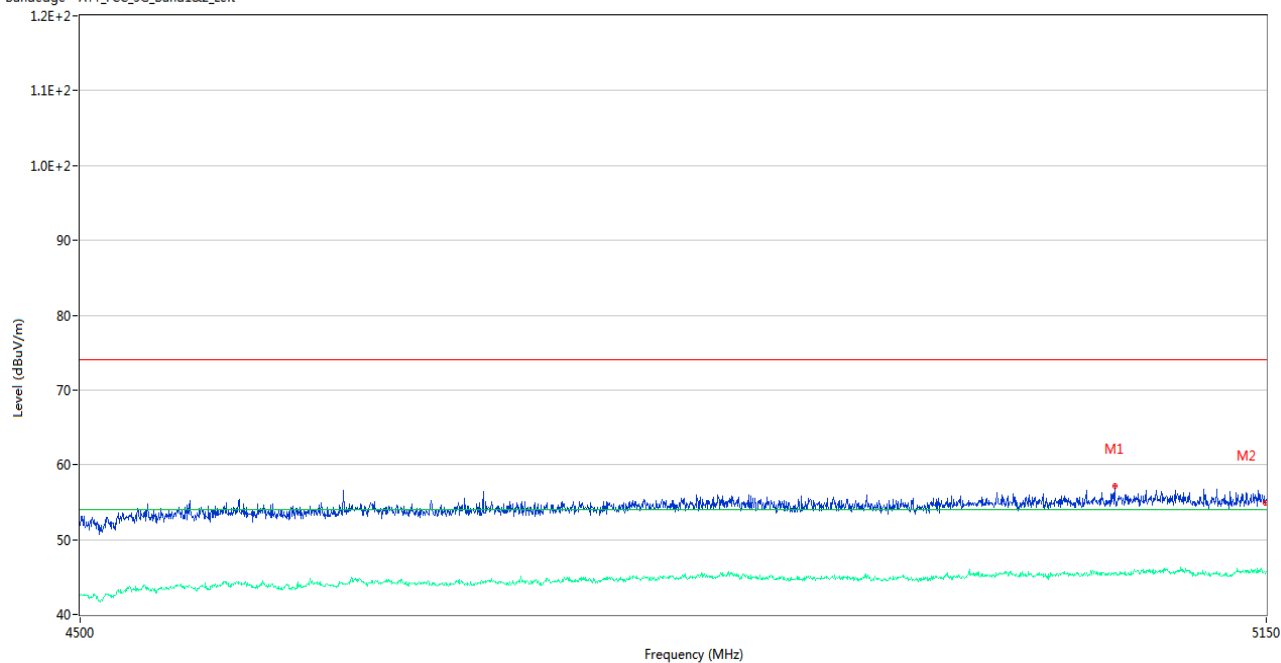
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	64.10	1.93	74.0	9.90	Peak	182.00	100	Horizontal	Pass
1**	5350.000	48.68	1.93	54.0	5.32	AV	182.00	100	Horizontal	Pass
2	5362.815	66.49	2.24	74.0	7.51	Peak	173.00	100	Horizontal	Pass
2**	5362.815	48.26	2.24	54.0	5.74	AV	173.00	100	Horizontal	Pass

U-NII-2A 11ac20 Low Channel

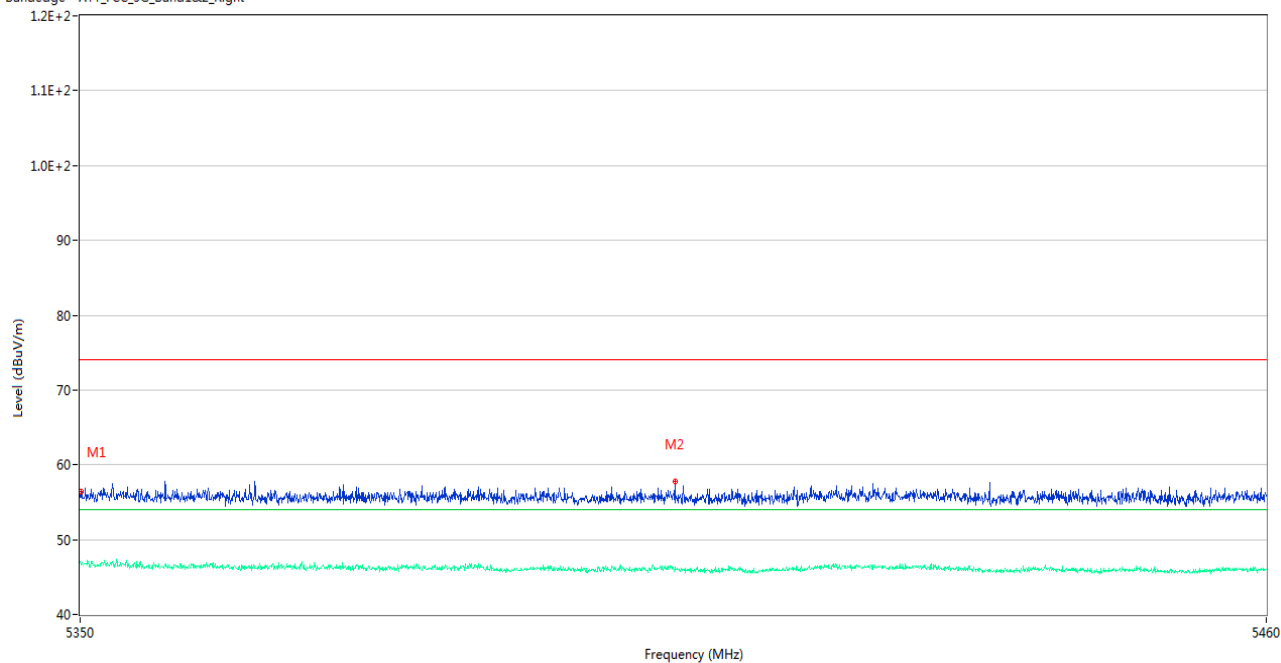
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5061.925	57.14	2.15	74.0	16.86	Peak	32.00	200	Horizontal	Pass
1**	5061.925	45.54	2.15	54.0	8.46	AV	32.00	200	Horizontal	Pass
2	5149.675	54.91	2.07	74.0	19.09	Peak	90.00	200	Horizontal	Pass
2**	5149.675	45.48	2.07	54.0	8.52	AV	90.00	200	Horizontal	Pass

U-NII-2A 11ac20 High Channel

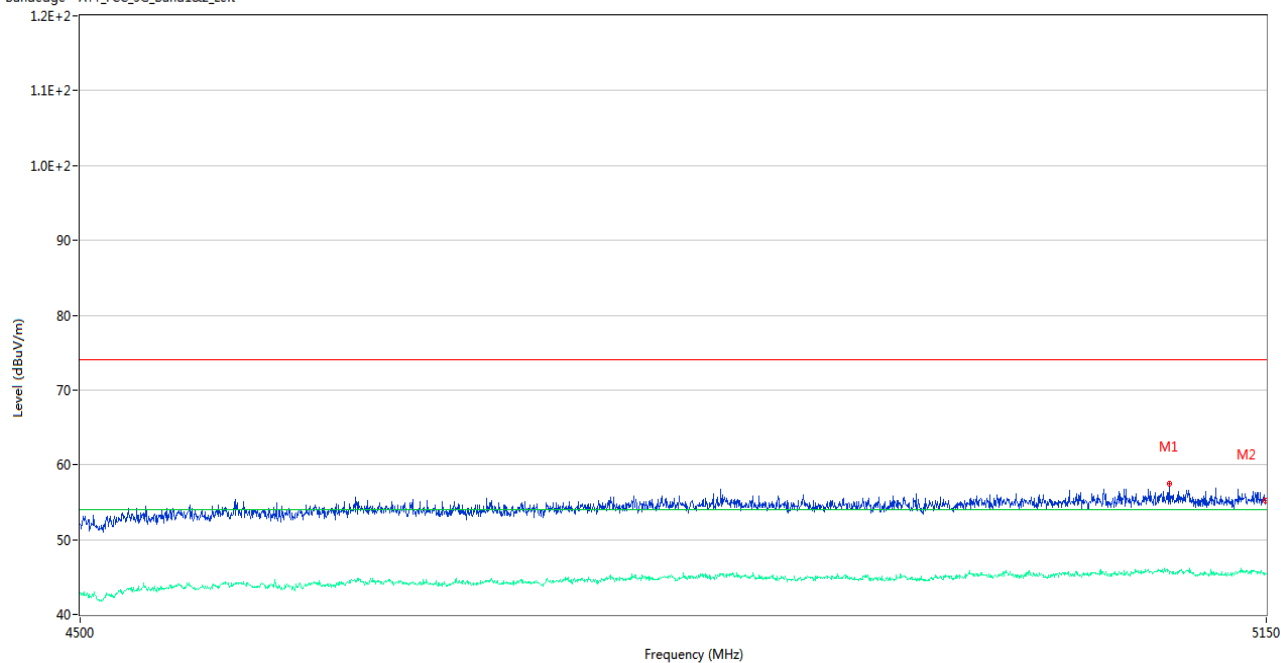
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.47	1.93	74.0	17.53	Peak	164.00	100	Horizontal	Pass
1**	5350.055	46.68	1.93	54.0	7.32	AV	164.00	100	Horizontal	Pass
2	5404.890	57.79	2.10	74.0	16.21	Peak	79.00	100	Horizontal	Pass
2**	5404.890	46.17	2.10	54.0	7.83	AV	79.00	100	Horizontal	Pass

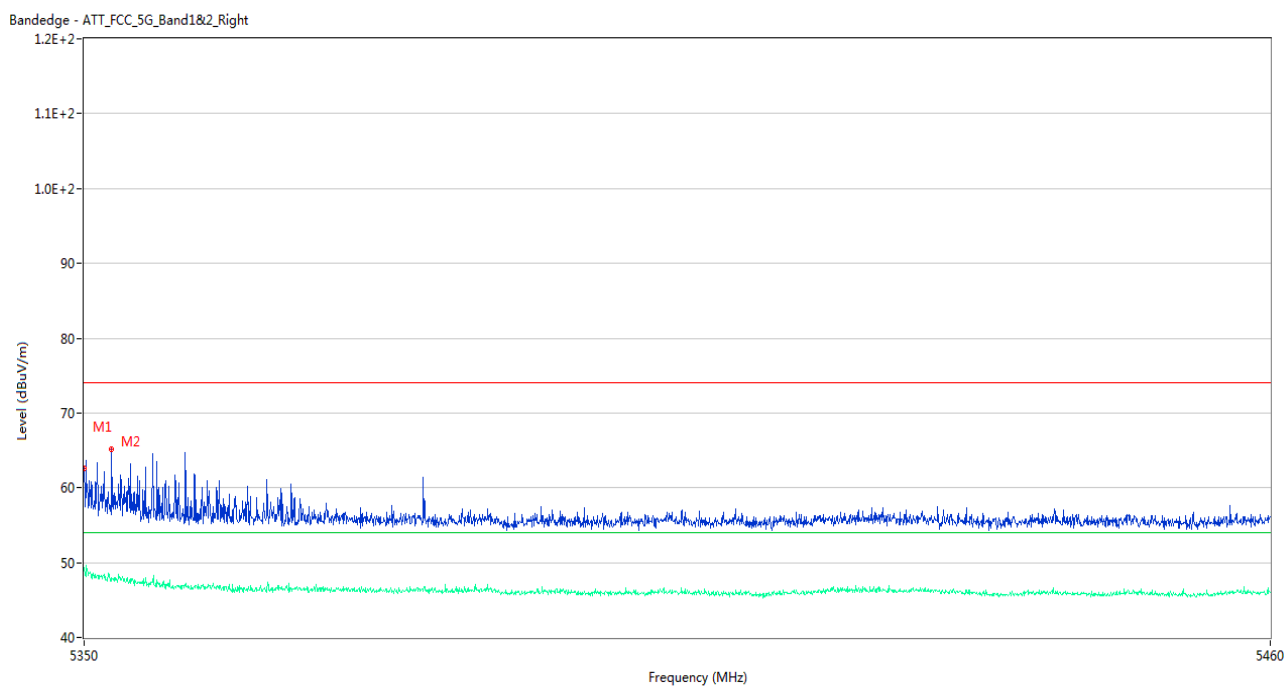
U-NII-2A 11ac40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5093.450	57.43	2.27	74.0	16.57	Peak	308.00	100	Horizontal	Pass
1**	5093.450	45.75	2.27	54.0	8.25	AV	308.00	100	Horizontal	Pass
2	5149.675	55.27	2.07	74.0	18.73	Peak	72.00	150	Horizontal	Pass
2**	5149.675	45.38	2.07	54.0	8.62	AV	72.00	150	Horizontal	Pass

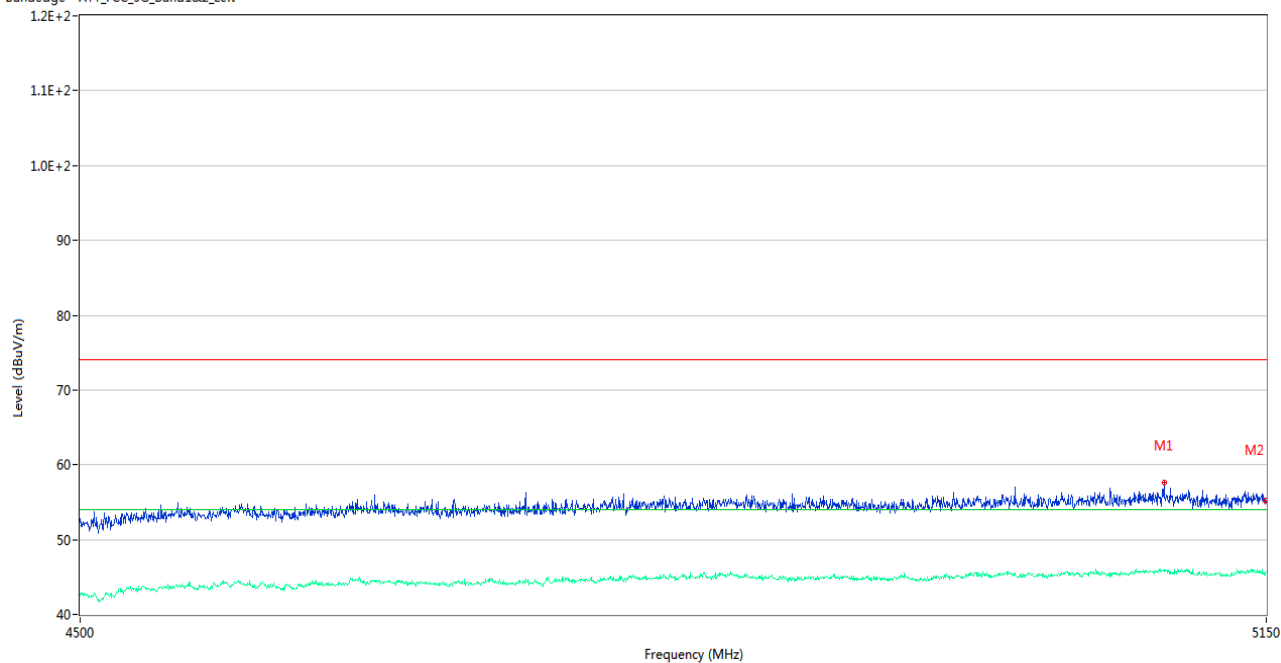
U-NII-2A 11ac40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	62.59	1.93	74.0	11.41	Peak	163.00	100	Horizontal	Pass
1**	5350.000	49.33	1.93	54.0	4.67	AV	163.00	100	Horizontal	Pass
2	5352.530	65.10	2.11	74.0	8.90	Peak	101.00	200	Horizontal	Pass
2**	5352.530	47.47	2.11	54.0	6.53	AV	101.00	200	Horizontal	Pass

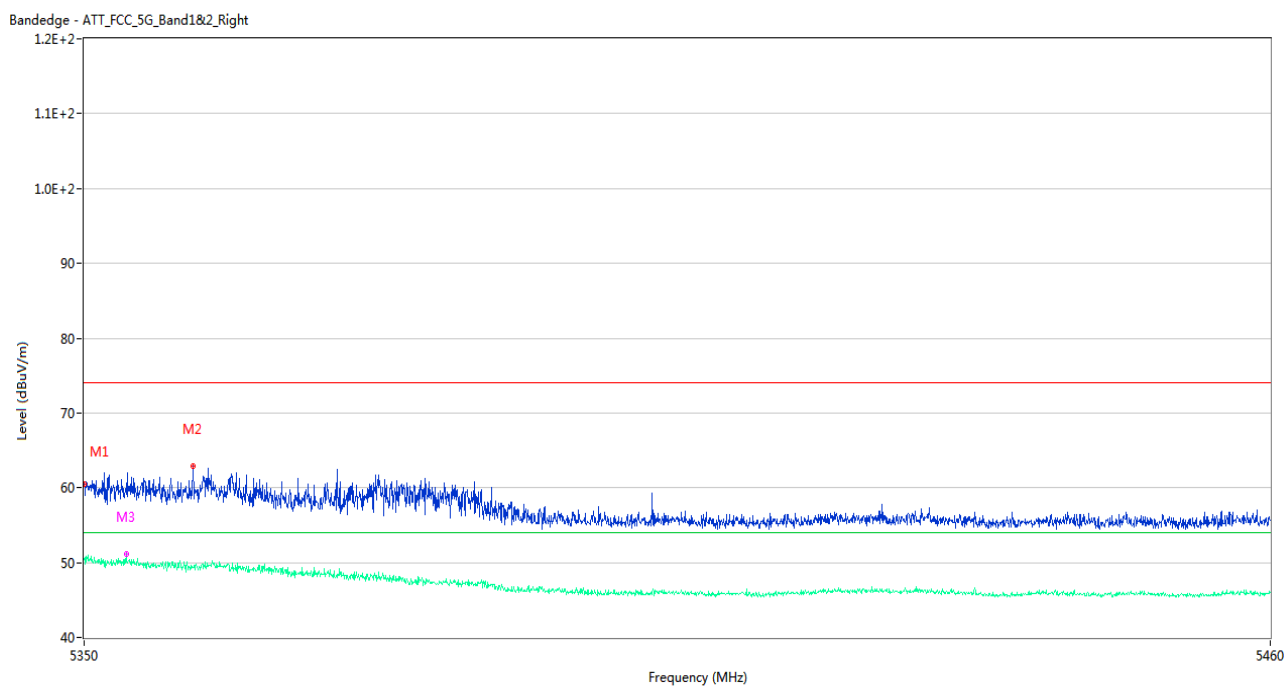
U-NII-2A 11ac80 Middle Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



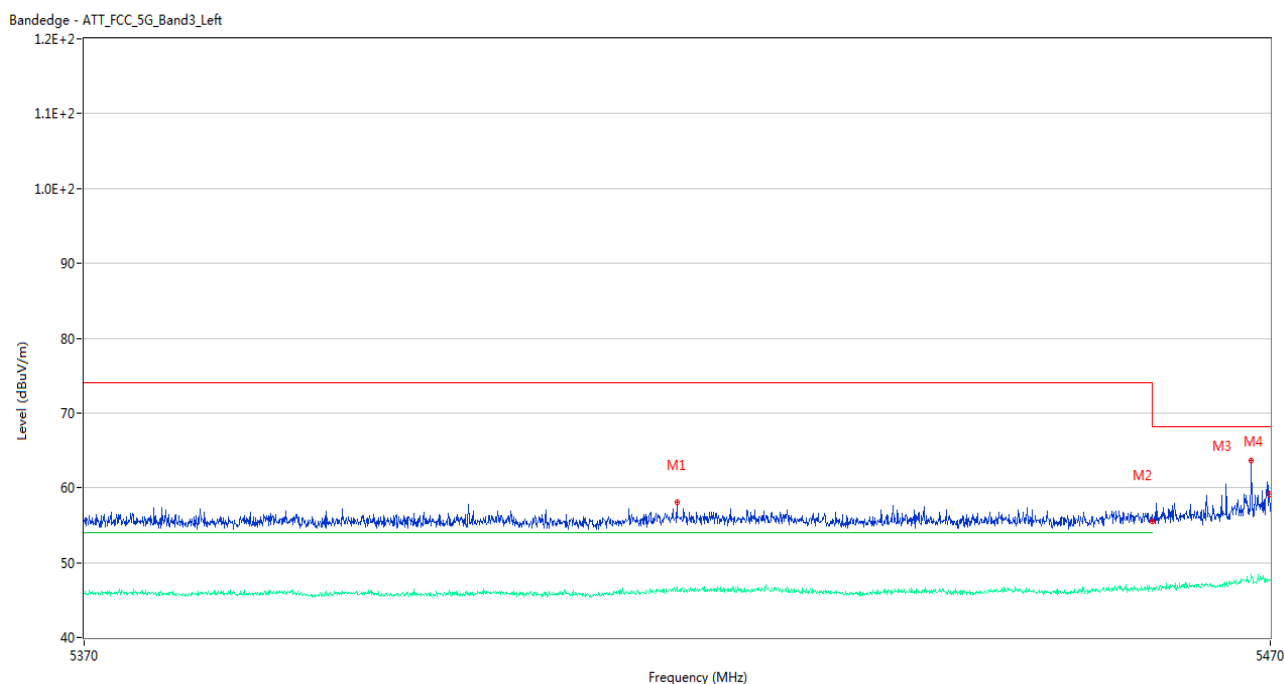
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5090.525	57.61	2.43	74.0	16.39	Peak	360.00	150	Horizontal	Pass
1**	5090.525	45.78	2.43	54.0	8.22	AV	360.00	150	Horizontal	Pass
2	5149.675	55.23	2.07	74.0	18.77	Peak	69.00	200	Horizontal	Pass
2**	5149.675	45.52	2.07	54.0	8.48	AV	69.00	200	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	60.56	1.93	74.0	13.44	Peak	166.00	150	Horizontal	Pass
1**	5350.000	50.34	1.93	54.0	3.66	AV	166.00	150	Horizontal	Pass
2	5360.010	62.85	2.27	74.0	11.15	Peak	170.00	200	Horizontal	Pass
2**	5360.010	49.38	2.27	54.0	4.62	AV	170.00	200	Horizontal	Pass
3	5353.850	59.17	2.12	74.0	14.83	Peak	170.00	150	Horizontal	Pass
3**	5353.850	50.98	2.12	54.0	3.02	AV	170.00	150	Horizontal	Pass

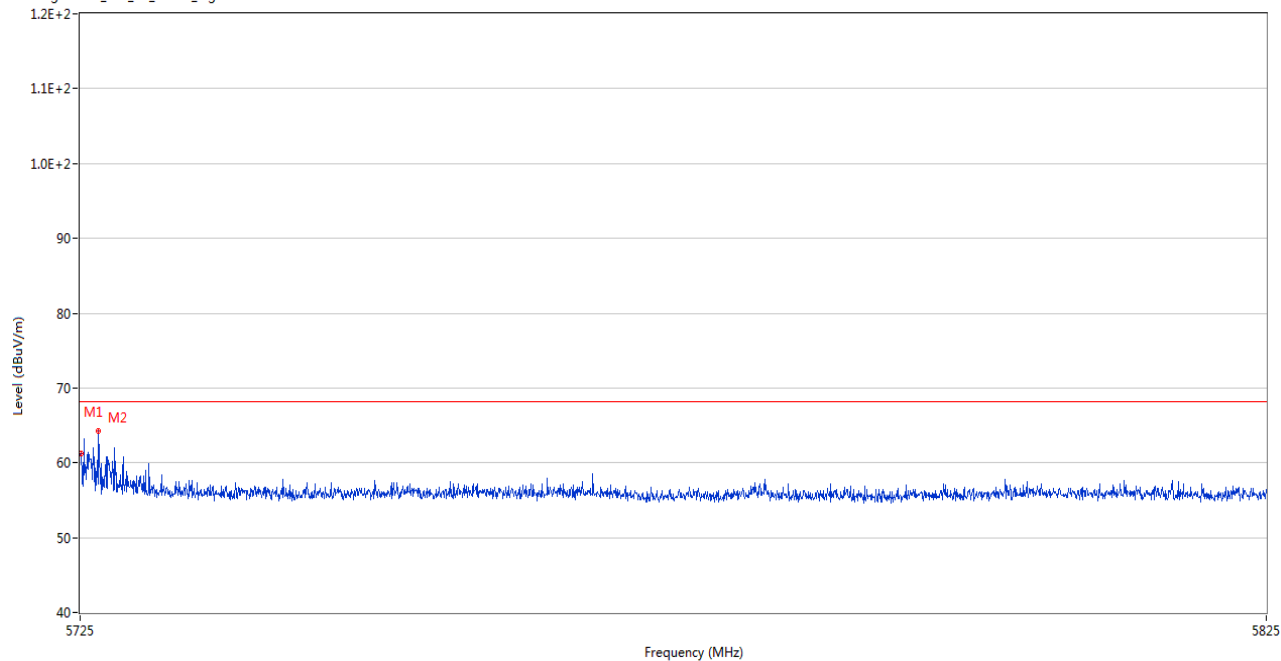
U-NII-2C 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5419.750	58.07	2.45	74.0	15.93	Peak	194.00	100	Horizontal	Pass
1**	5419.750	46.71	2.45	54.0	7.29	AV	194.00	100	Horizontal	Pass
2	5460.000	55.49	2.50	74.0	18.51	Peak	251.00	100	Horizontal	Pass
2**	5460.000	46.47	2.50	54.0	7.53	AV	251.00	100	Horizontal	Pass
3	5468.400	63.71	3.07	68.2	4.49	Peak	166.00	150	Horizontal	Pass
3**	5468.400	48.41	3.07	--	--	AV	166.00	150	Horizontal	N/A
4	5469.950	59.21	2.87	68.2	8.99	Peak	163.00	200	Horizontal	Pass
4**	5469.950	47.55	2.87	--	--	AV	163.00	200	Horizontal	N/A

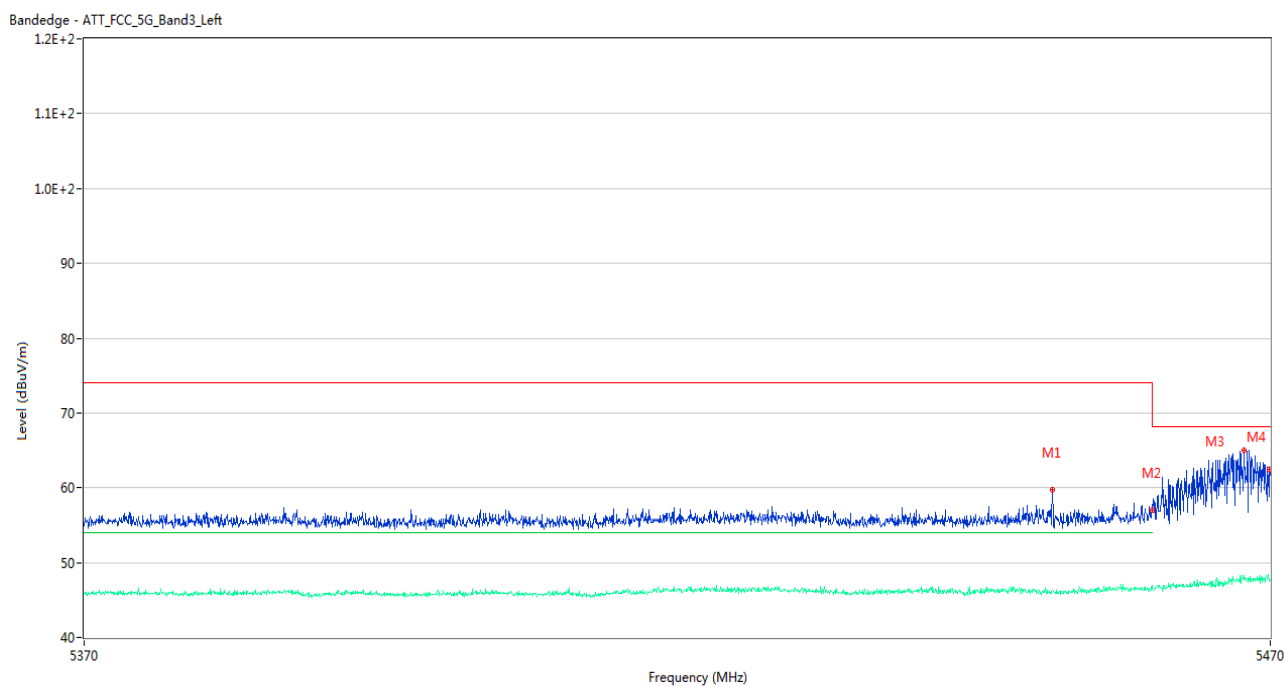
U-NII-2C 11a High Channel

Bandedge - ATT_FCC_5G_Band3_Right



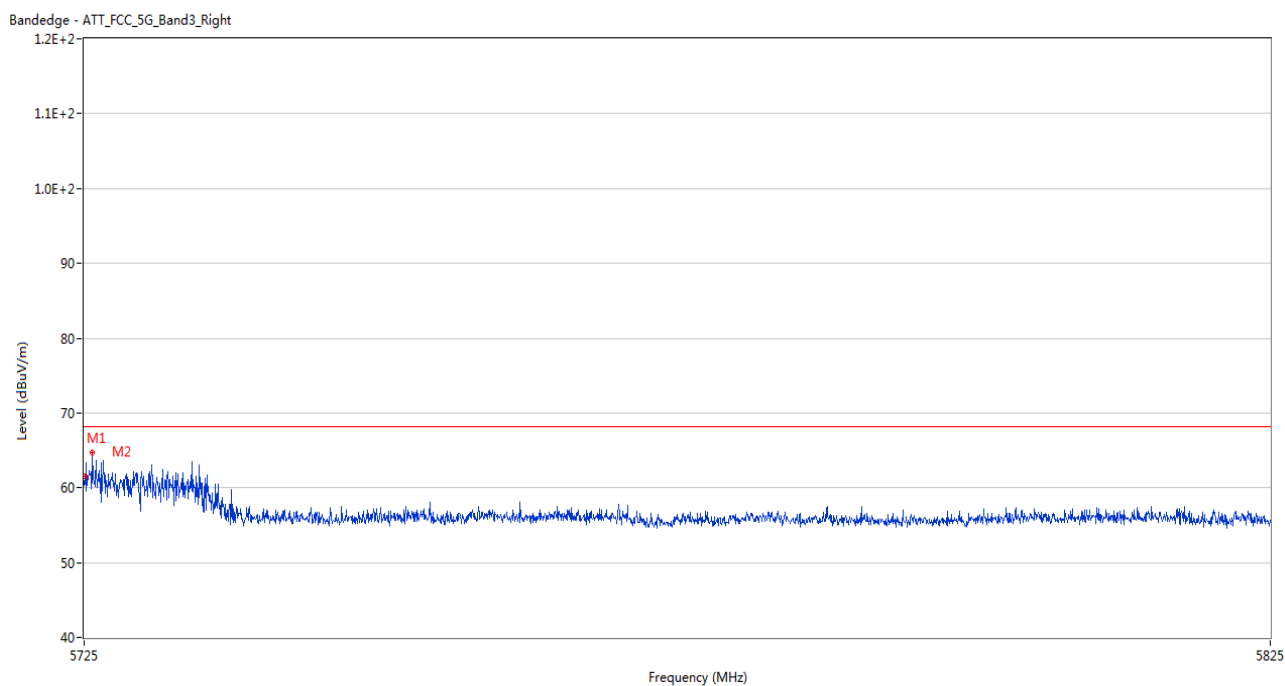
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	61.19	2.55	68.2	7.01	Peak	176.00	100	Horizontal	Pass
2	5726.550	64.24	2.52	68.2	3.96	Peak	159.00	200	Horizontal	Pass

U-NII-2C 11n20 Low Channel



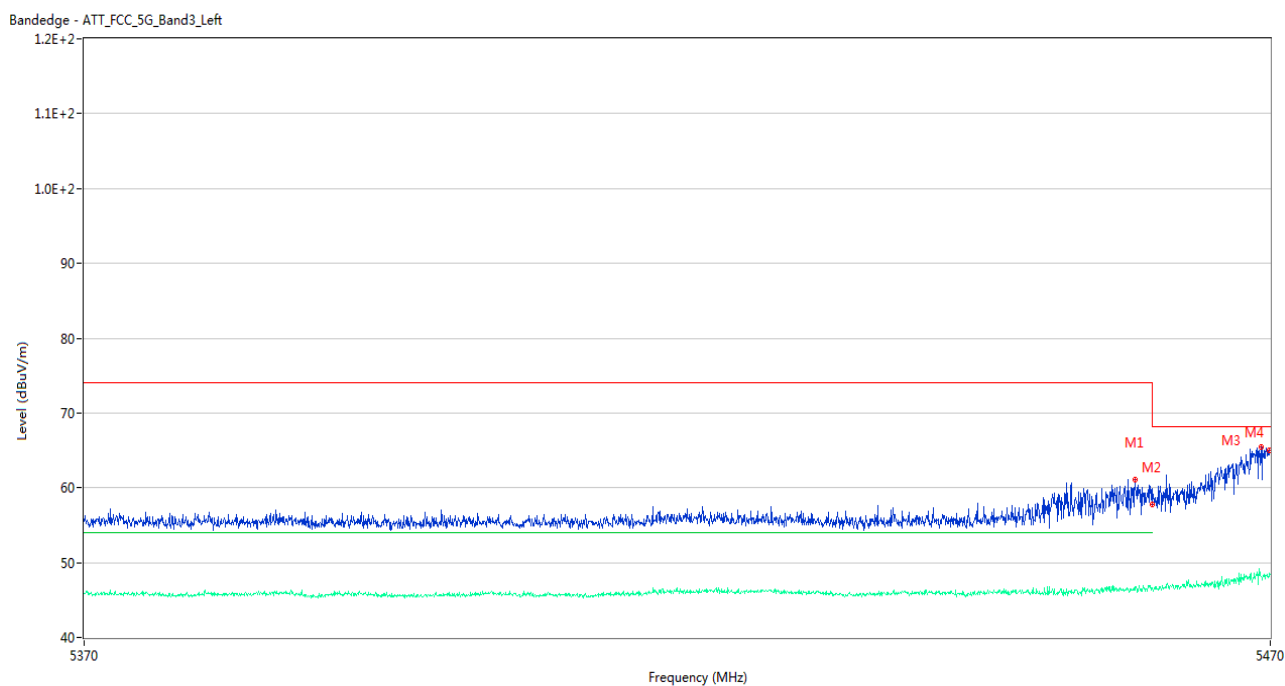
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5451.500	59.76	2.17	74.0	14.24	Peak	173.00	150	Horizontal	Pass
1**	5451.500	46.35	2.17	54.0	7.65	AV	173.00	150	Horizontal	Pass
2	5460.000	57.05	2.50	74.0	16.95	Peak	142.00	150	Horizontal	Pass
2**	5460.000	46.63	2.50	54.0	7.37	AV	142.00	150	Horizontal	Pass
3	5467.750	65.05	3.16	68.2	3.15	Peak	170.00	150	Horizontal	Pass
3**	5467.750	47.73	3.16	--	--	AV	170.00	150	Horizontal	N/A
4	5469.950	62.51	2.87	68.2	5.69	Peak	179.00	100	Horizontal	Pass
4**	5469.950	47.73	2.87	--	--	AV	179.00	100	Horizontal	N/A

U-NII-2C 11n20 High Channel



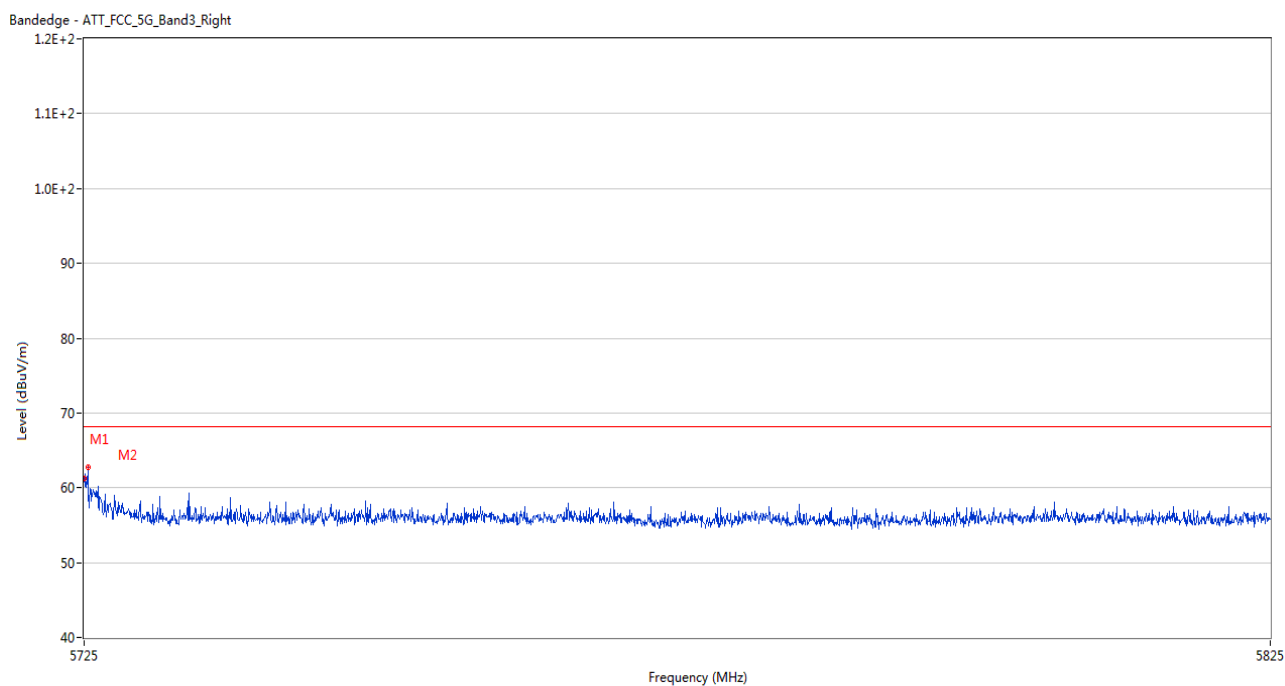
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	61.59	2.55	68.2	6.61	Peak	173.00	100	Horizontal	Pass
2	5725.700	64.73	2.54	68.2	3.47	Peak	162.00	150	Horizontal	Pass

U-NII-2C 11n40 Low Channel



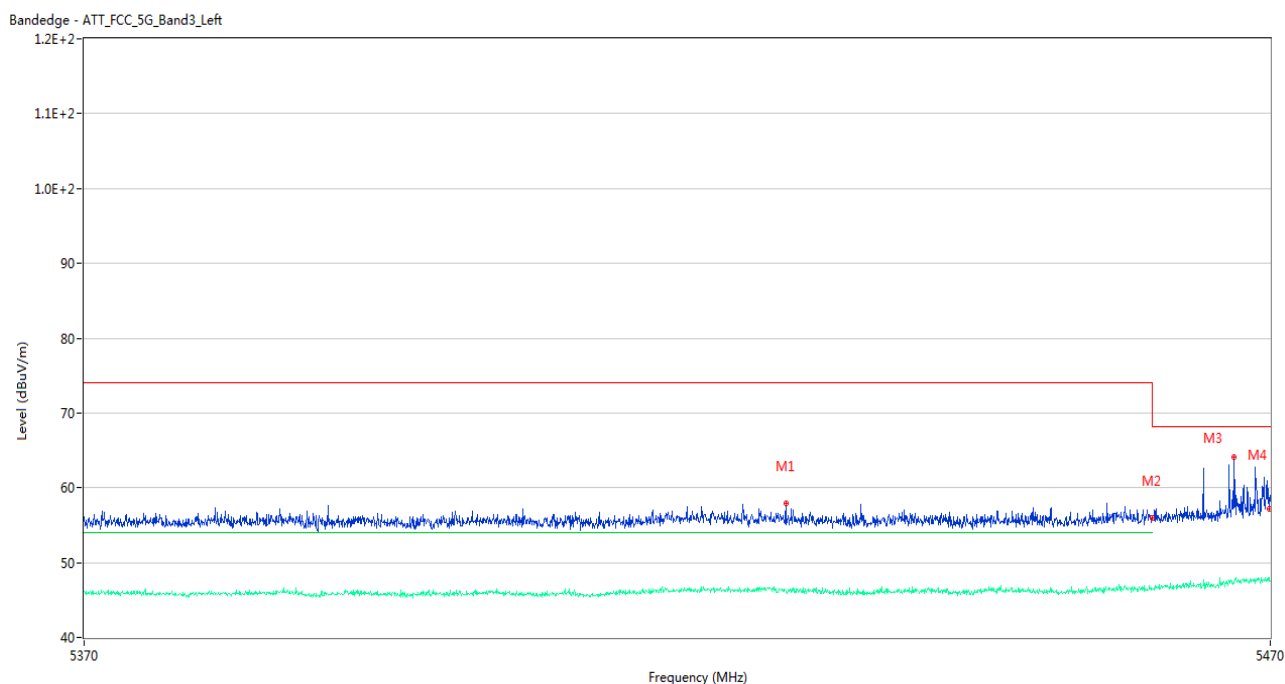
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.500	61.12	2.44	74.0	12.88	Peak	167.00	100	Horizontal	Pass
1**	5458.500	46.37	2.44	54.0	7.63	AV	167.00	100	Horizontal	Pass
2	5460.000	57.76	2.50	74.0	16.24	Peak	155.00	150	Horizontal	Pass
2**	5460.000	46.63	2.50	54.0	7.37	AV	155.00	150	Horizontal	Pass
3	5469.250	65.17	2.95	68.2	3.03	Peak	169.00	150	Horizontal	Pass
3**	5469.250	48.11	2.95	--	--	AV	169.00	150	Horizontal	N/A
4	5469.950	65.00	2.87	68.2	3.20	Peak	169.00	200	Horizontal	Pass
4**	5469.950	48.53	2.87	--	--	AV	169.00	200	Horizontal	N/A

U-NII-2C 11n40 High Channel



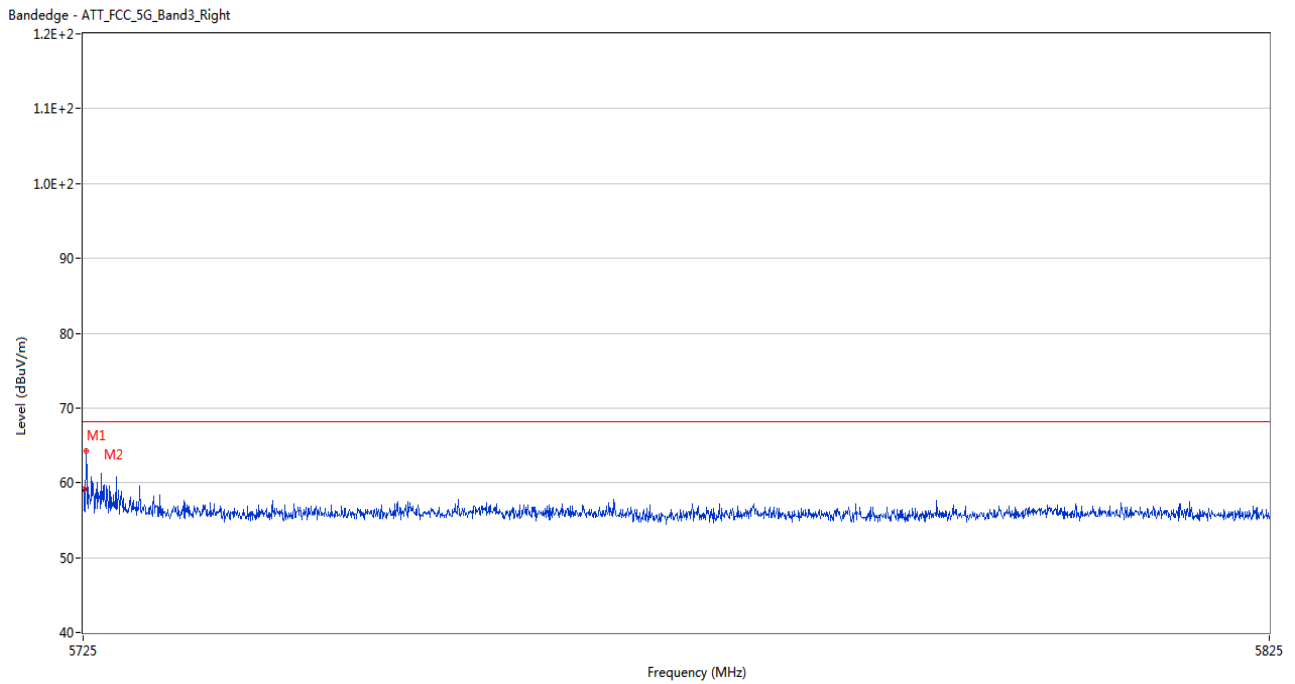
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.27	2.55	68.2	6.93	Peak	158.00	150	Horizontal	Pass
2	5725.300	62.72	2.54	68.2	5.48	Peak	158.00	150	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



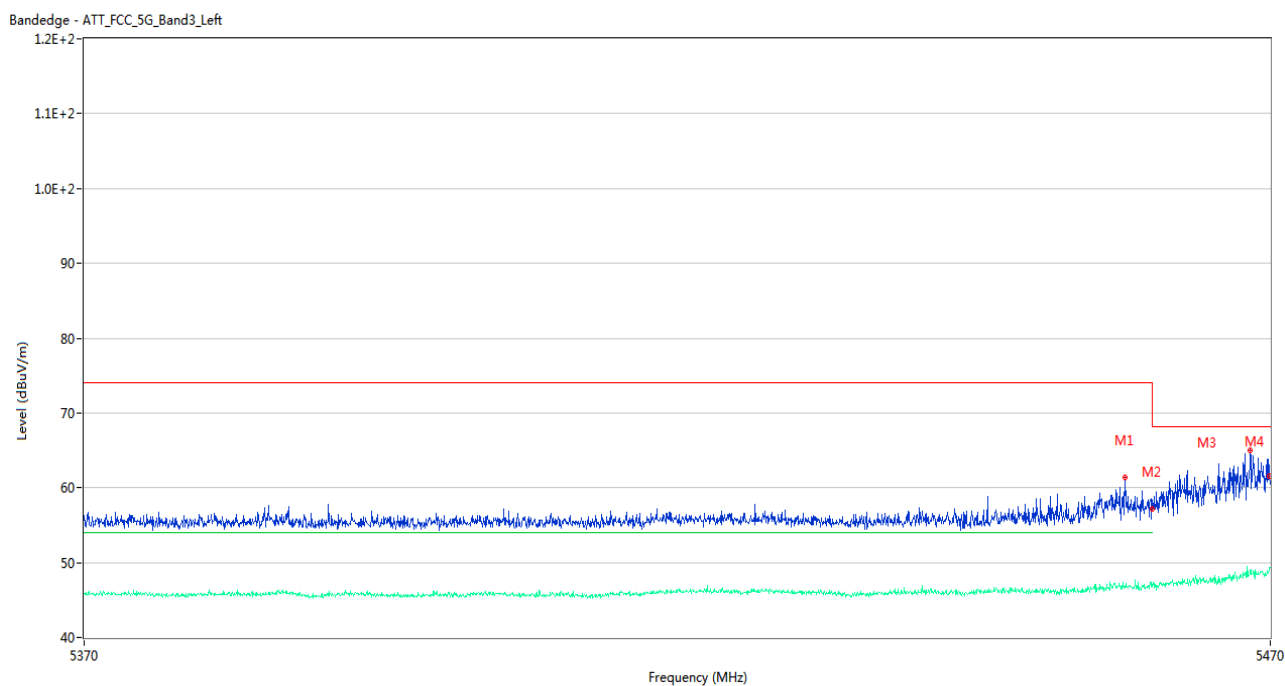
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5428.950	57.90	2.36	74.0	16.10	Peak	159.00	200	Horizontal	Pass
1**	5428.950	46.23	2.36	54.0	7.77	AV	159.00	200	Horizontal	Pass
2	5460.000	55.89	2.50	74.0	18.11	Peak	196.00	100	Horizontal	Pass
2**	5460.000	46.53	2.50	54.0	7.47	AV	196.00	100	Horizontal	Pass
3	5466.950	64.15	2.98	68.2	4.05	Peak	162.00	150	Horizontal	Pass
3**	5466.950	47.34	2.98	--	--	AV	162.00	150	Horizontal	N/A
4	5469.950	57.15	2.87	68.2	11.05	Peak	170.00	150	Horizontal	Pass
4**	5469.950	47.49	2.87	--	--	AV	170.00	150	Horizontal	N/A

U-NII-2C 11ac20 High Channel



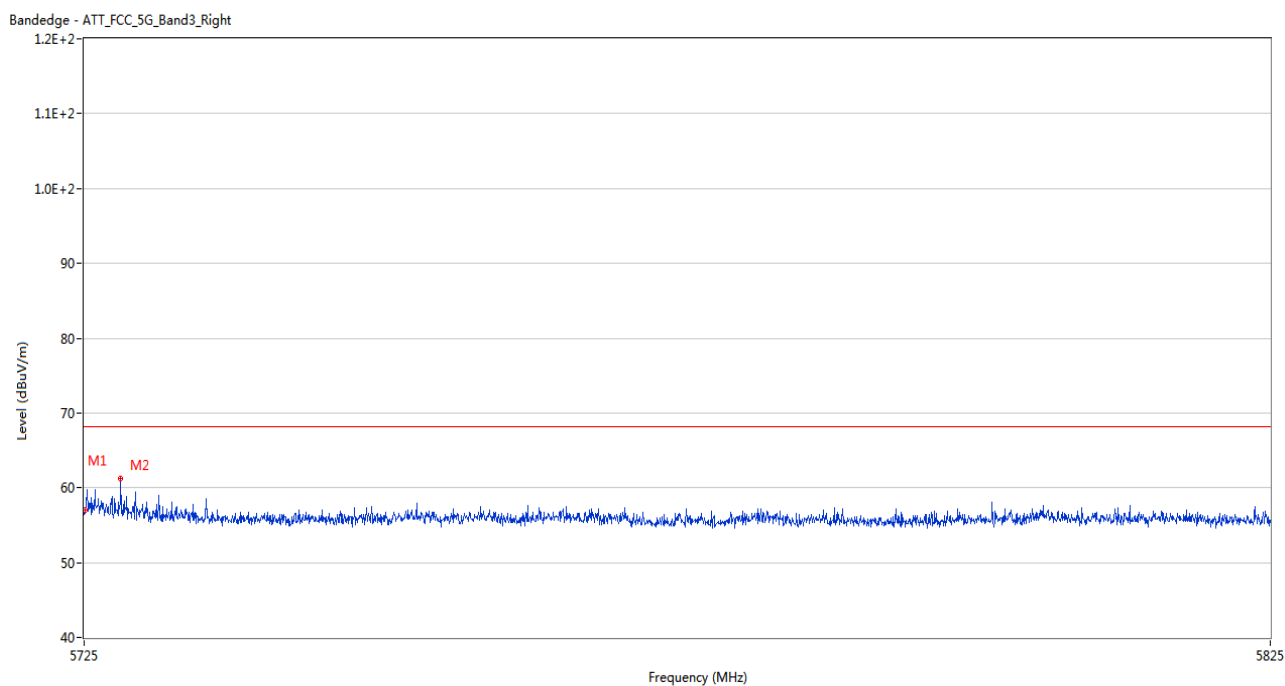
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	59.17	2.55	68.2	9.03	Peak	252.00	100	Horizontal	Pass
2	5725.250	64.26	2.55	68.2	3.94	Peak	179.00	200	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



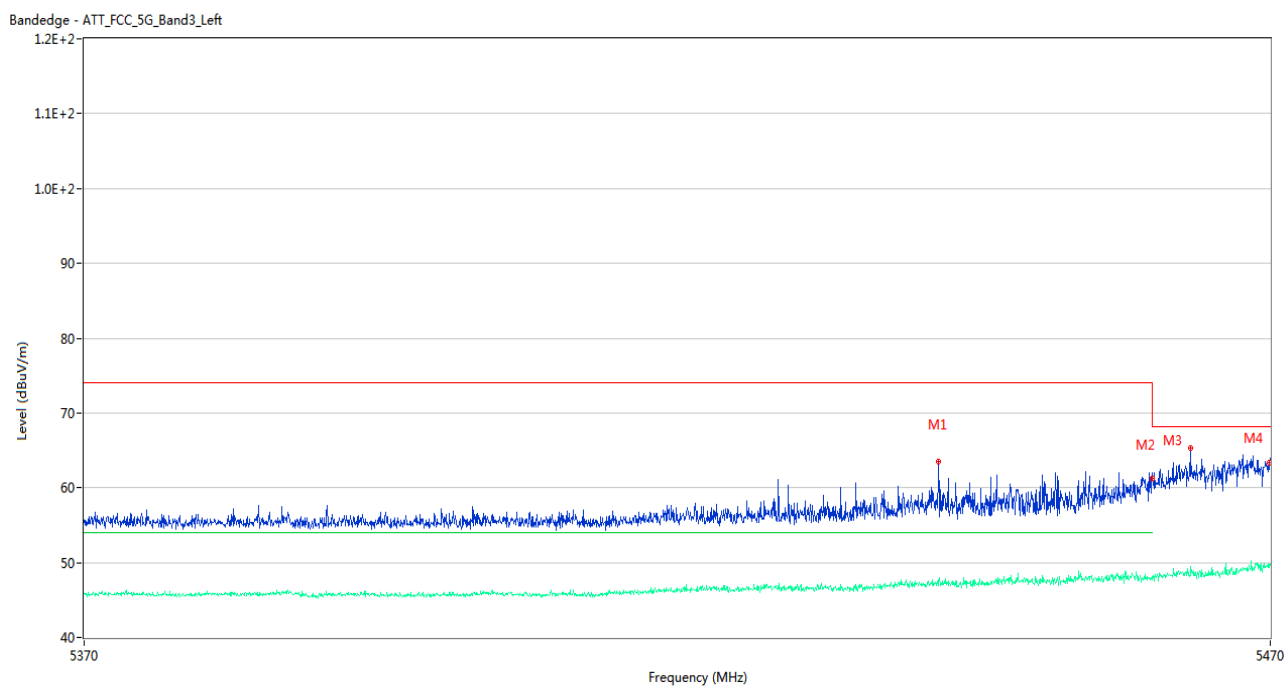
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5457.650	61.32	2.49	74.0	12.68	Peak	163.00	150	Horizontal	Pass
1**	5457.650	46.70	2.49	54.0	7.30	AV	163.00	150	Horizontal	Pass
2	5460.000	57.10	2.50	74.0	16.90	Peak	170.00	100	Horizontal	Pass
2**	5460.000	46.84	2.50	54.0	7.16	AV	170.00	100	Horizontal	Pass
3	5468.300	64.98	3.08	68.2	3.22	Peak	166.00	100	Horizontal	Pass
3**	5468.300	49.02	3.08	--	--	AV	166.00	100	Horizontal	N/A
4	5469.950	61.51	2.87	68.2	6.69	Peak	174.00	150	Horizontal	Pass
4**	5469.950	49.37	2.87	--	--	AV	174.00	150	Horizontal	N/A

U-NII-2C 11ac40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	57.07	2.55	68.2	11.13	Peak	161.00	200	Horizontal	Pass
2	5728.050	61.27	2.58	68.2	6.93	Peak	174.00	150	Horizontal	Pass

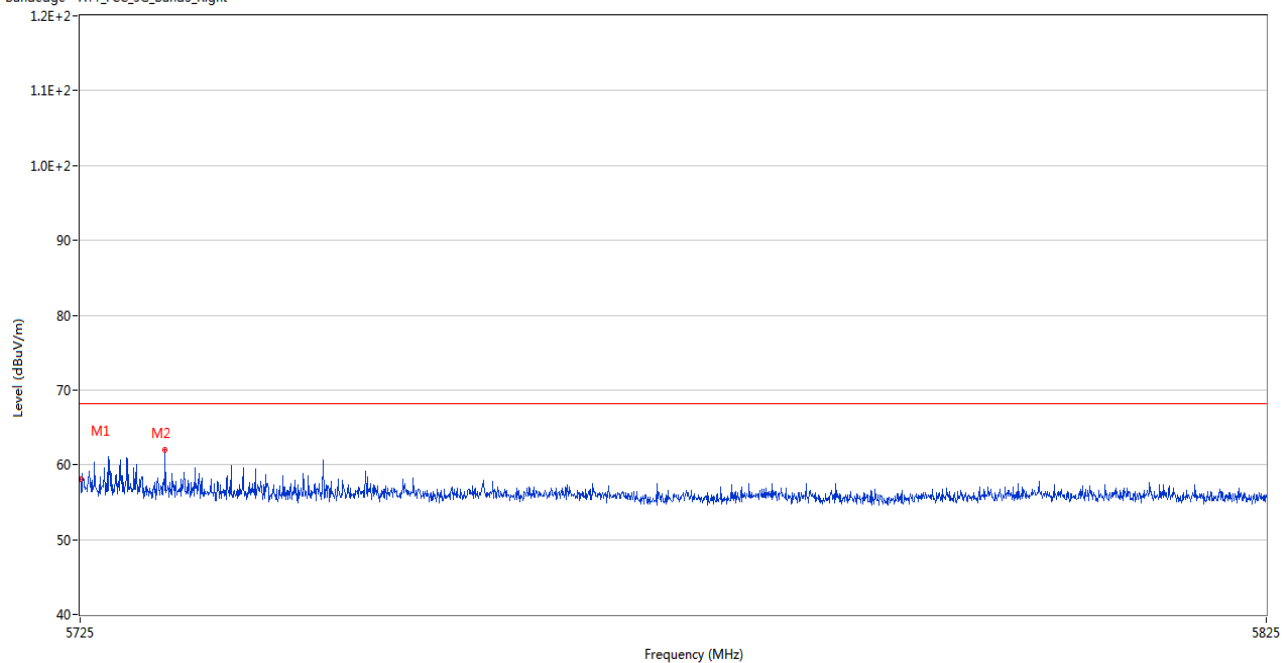
U-NII-2C 11ac80 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5441.850	63.43	2.29	74.0	10.57	Peak	150.00	100	Horizontal	Pass
1**	5441.850	47.40	2.29	54.0	6.60	AV	150.00	100	Horizontal	Pass
2	5460.000	61.22	2.50	74.0	12.78	Peak	175.00	100	Horizontal	Pass
2**	5460.000	48.13	2.50	54.0	5.87	AV	175.00	100	Horizontal	Pass
3	5463.200	65.18	2.80	68.2	3.02	Peak	172.00	150	Horizontal	Pass
3**	5463.200	48.25	2.80	--	--	AV	172.00	150	Horizontal	N/A
4	5469.950	63.31	2.87	68.2	4.89	Peak	147.00	150	Horizontal	Pass
4**	5469.950	49.41	2.87	--	--	AV	147.00	150	Horizontal	N/A

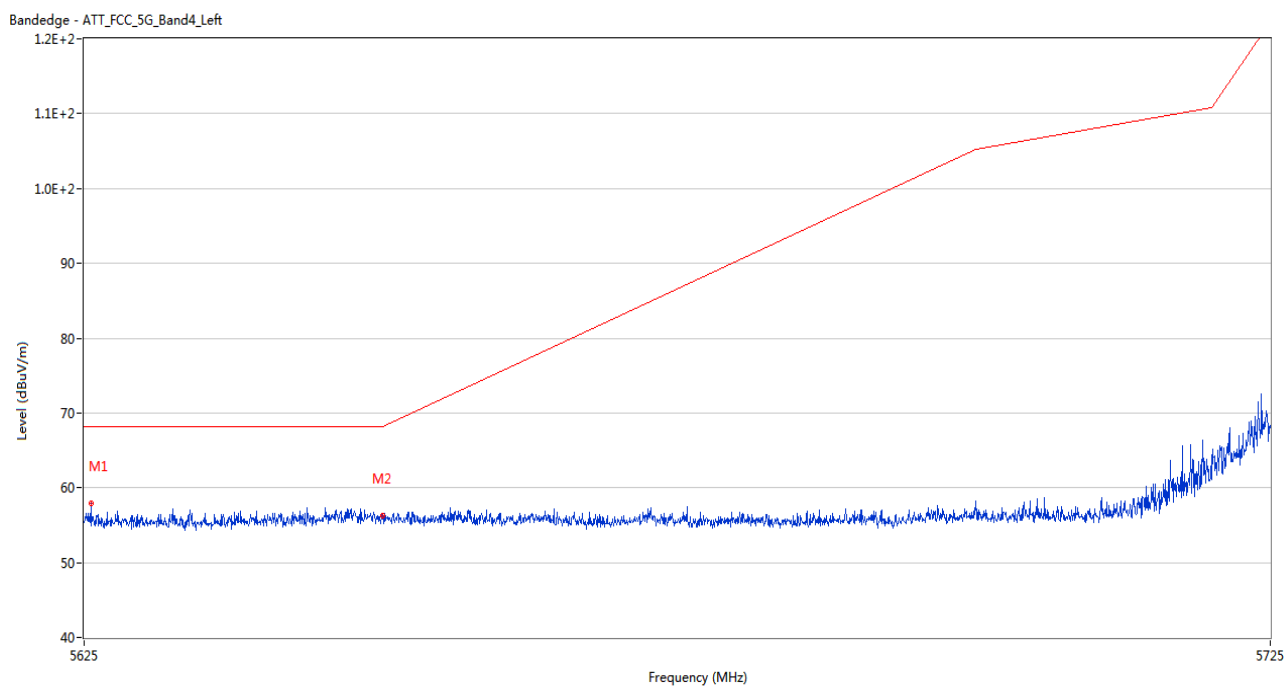
U-NII-2C 11ac80 High Channel

Bandedge - ATT_FCC_5G_Band3_Right



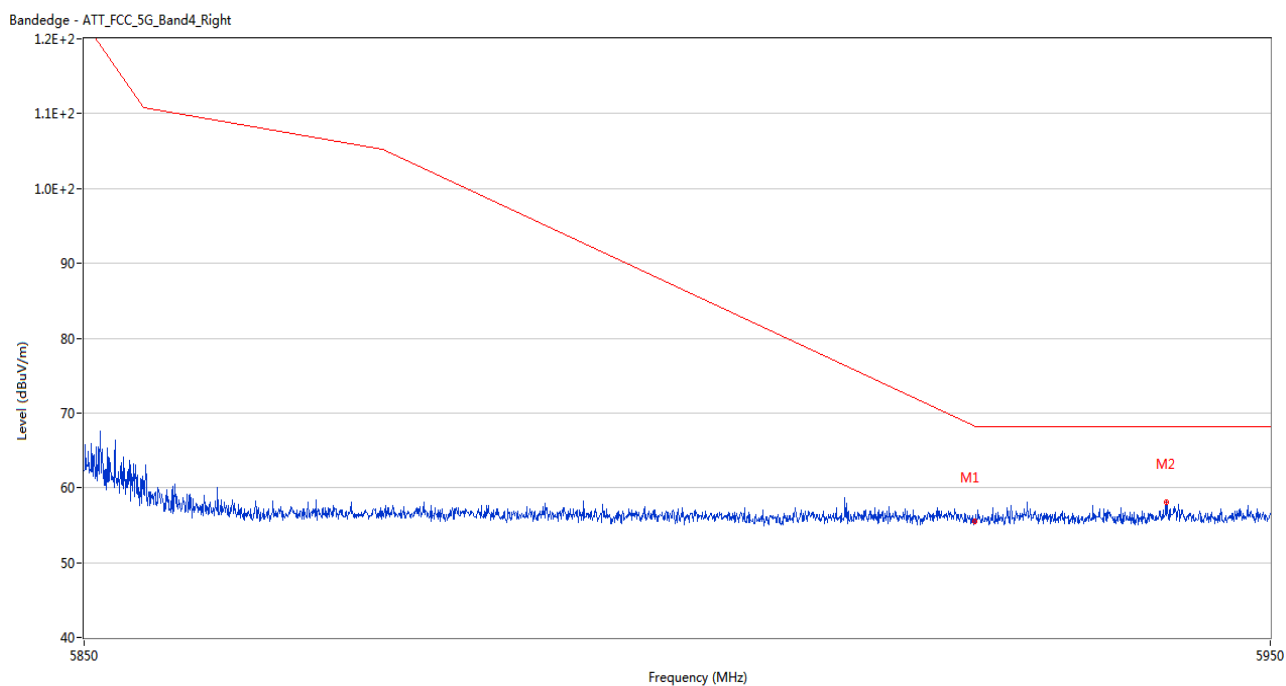
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.07	2.55	68.2	10.13	Peak	155.00	100	Horizontal	Pass
2	5732.100	61.97	2.20	68.2	6.23	Peak	155.00	200	Horizontal	Pass

U-NII-3 11a Low Channel



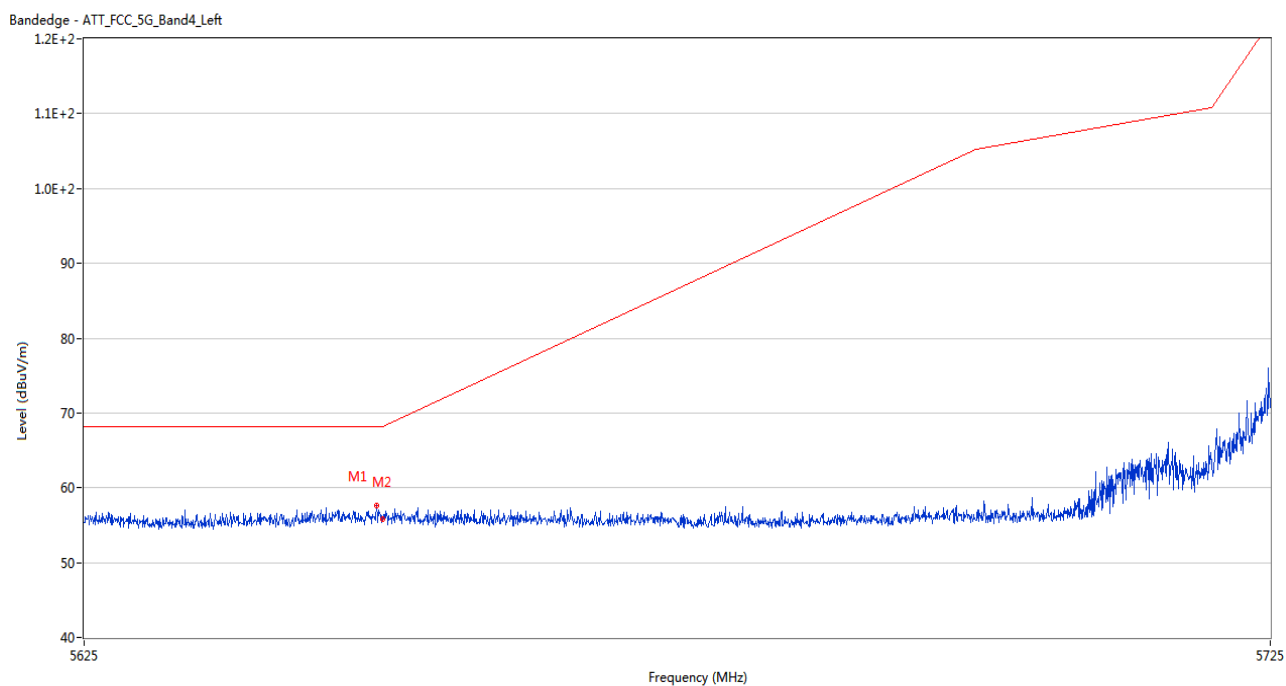
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5625.550	57.98	2.38	68.2	10.22	Peak	248.00	200	Horizontal	Pass
2	5650.000	56.30	2.54	68.2	11.90	Peak	232.00	150	Horizontal	Pass

U-NII-3 11a High Channel



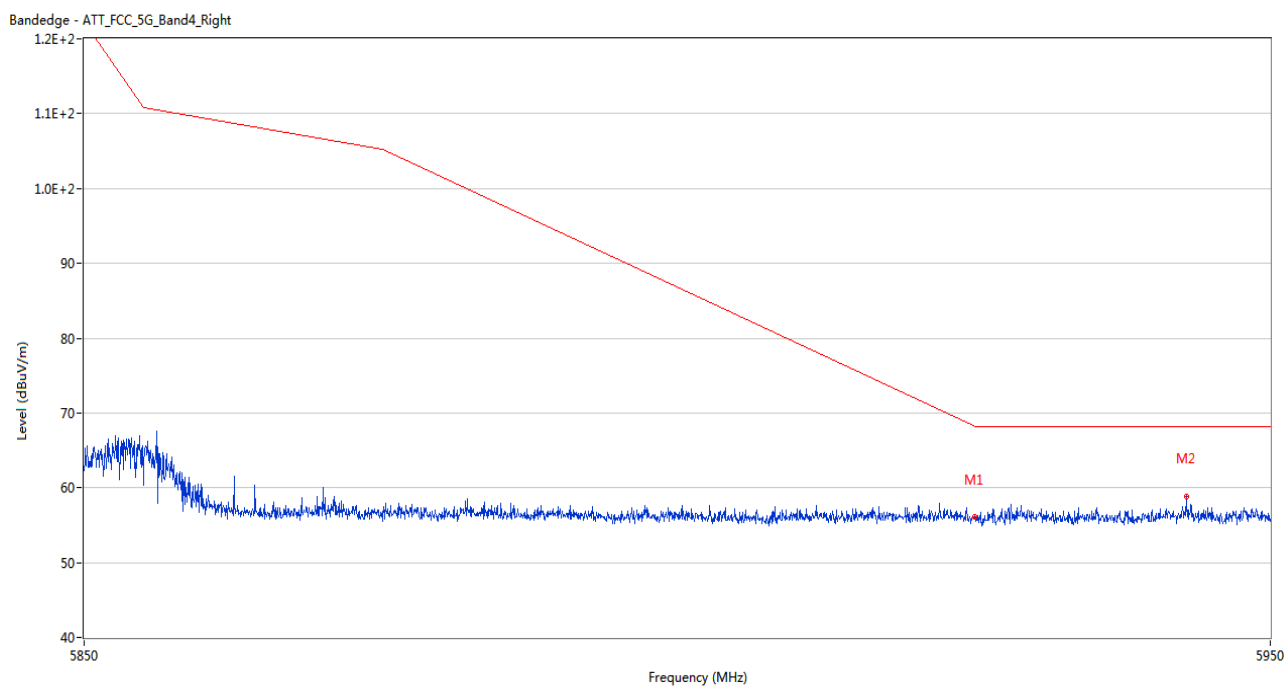
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.47	2.32	68.2	12.73	Peak	47.00	200	Horizontal	Pass
2	5941.150	58.15	2.78	68.2	10.05	Peak	112.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel



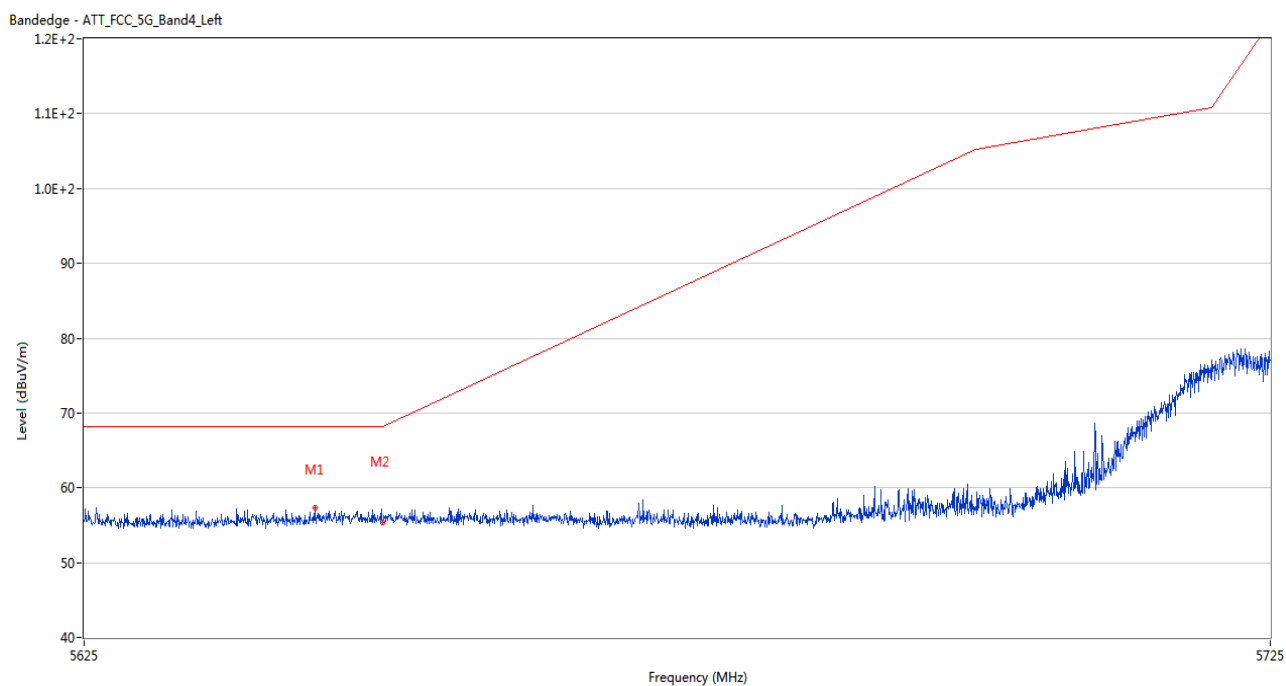
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.500	57.61	2.53	68.2	10.59	Peak	76.00	150	Horizontal	Pass
2	5650.000	55.80	2.54	68.2	12.40	Peak	231.00	150	Horizontal	Pass

U-NII-3 11n20 High Channel



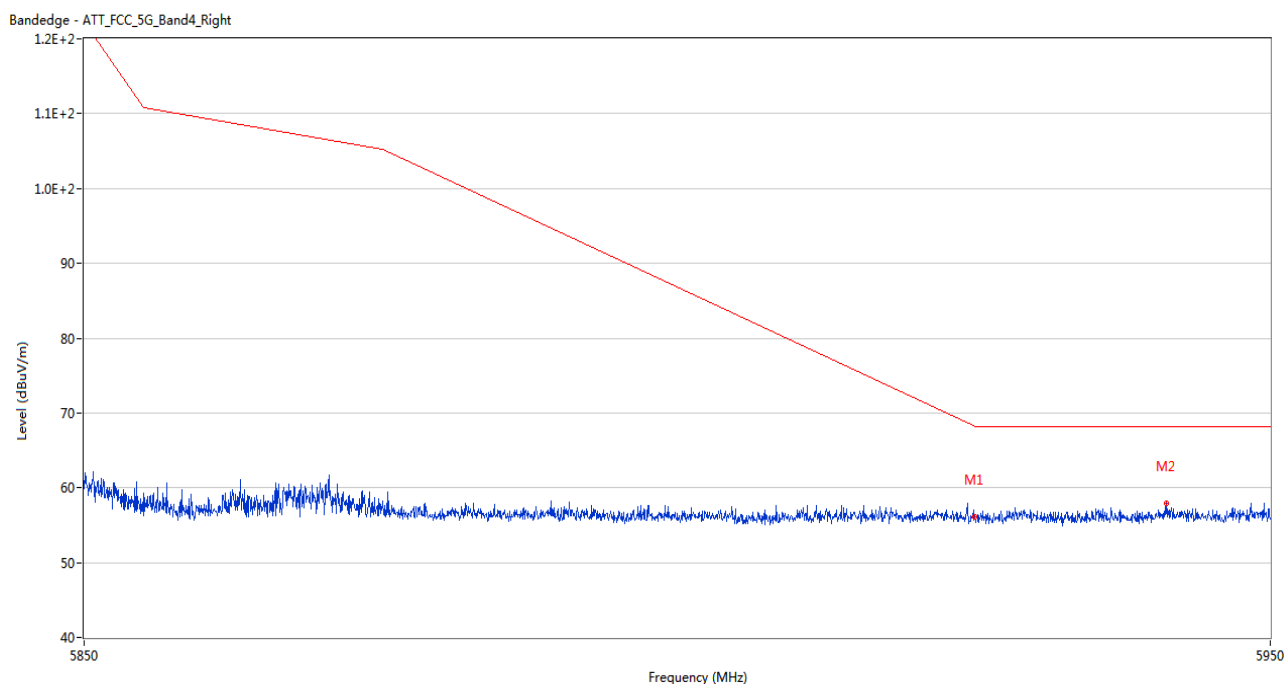
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.08	2.32	68.2	12.12	Peak	293.00	150	Horizontal	Pass
2	5942.850	58.88	2.64	68.2	9.32	Peak	286.00	150	Horizontal	Pass

U-NII-3 11n40 Low Channel



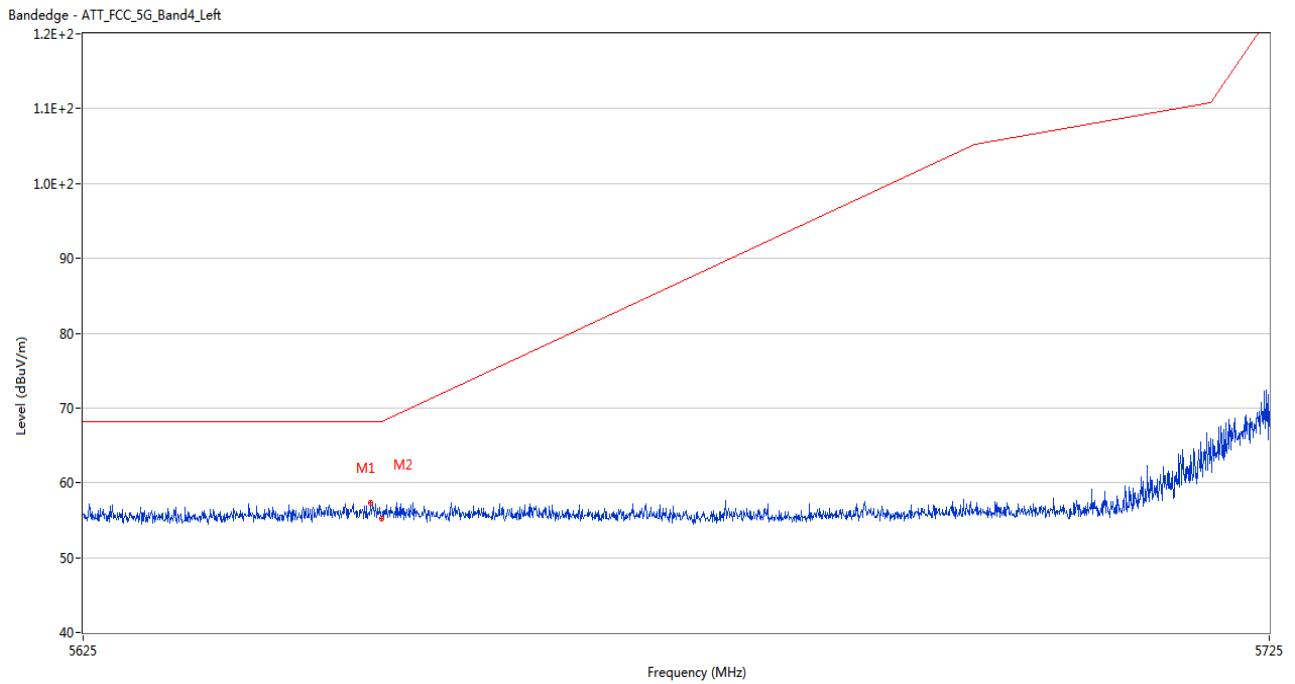
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.300	57.40	2.41	68.2	10.80	Peak	112.00	200	Horizontal	Pass
2	5650.000	55.33	2.54	68.2	12.87	Peak	81.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel



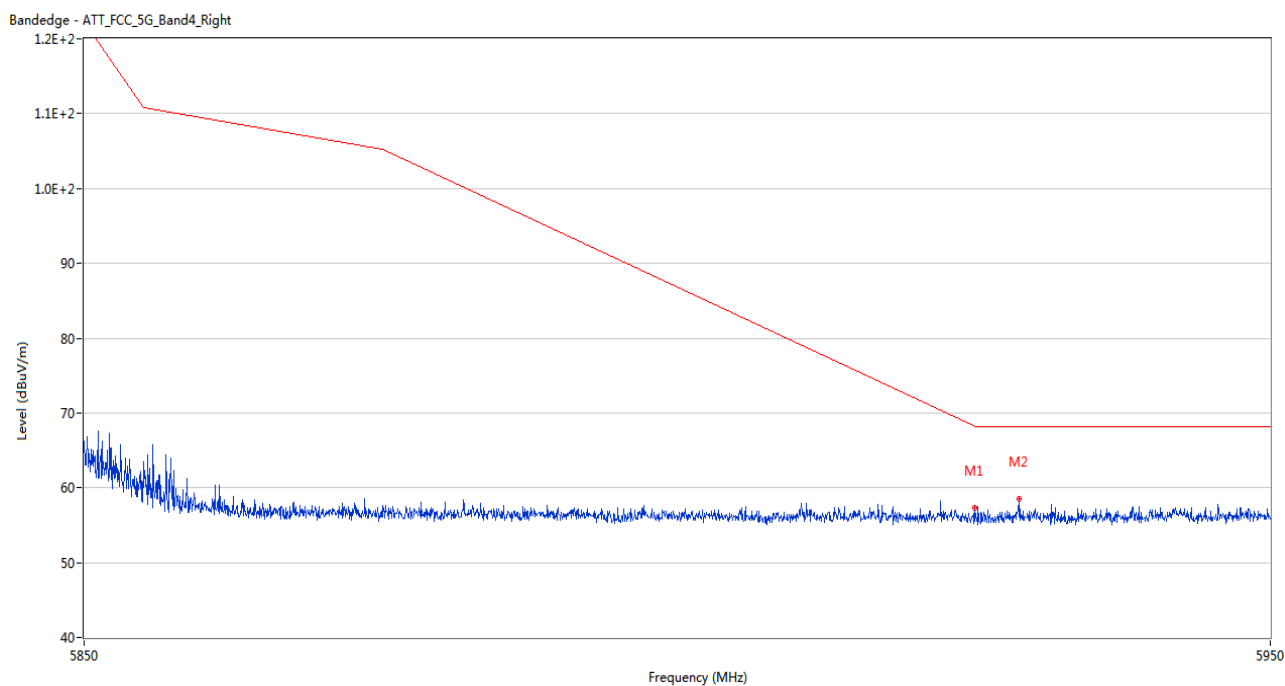
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.07	2.32	68.2	12.13	Peak	230.00	200	Horizontal	Pass
2	5941.200	57.97	2.80	68.2	10.23	Peak	97.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel



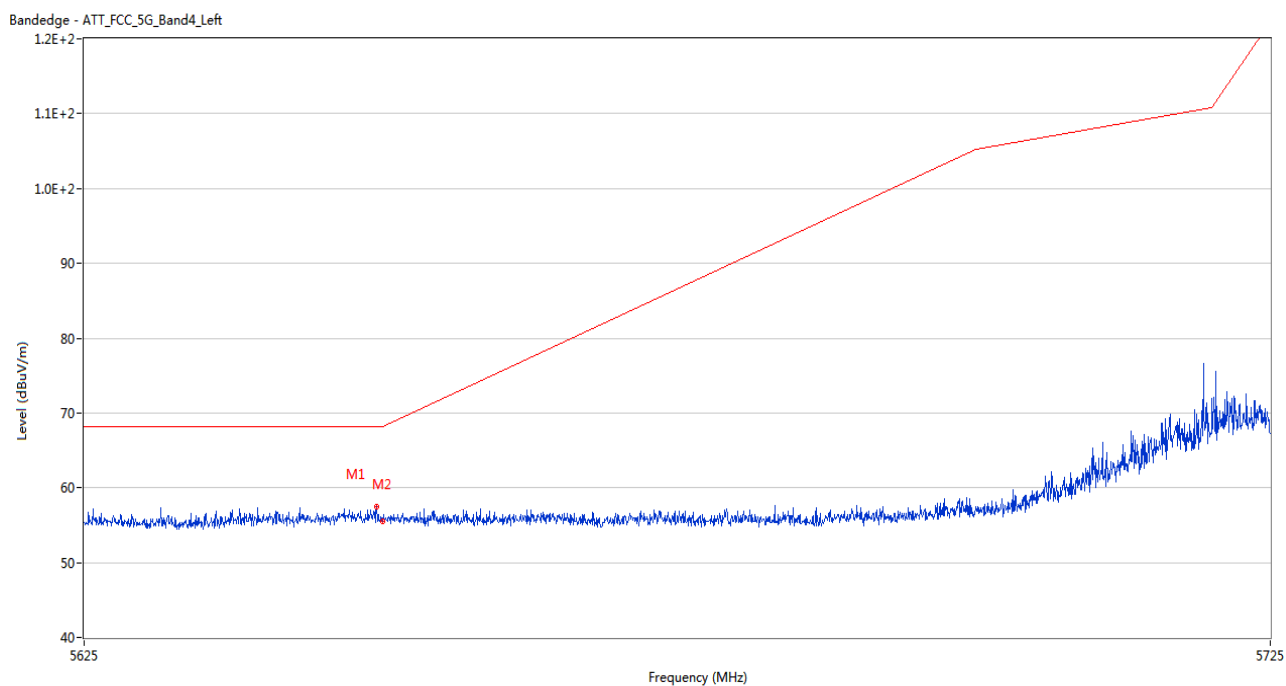
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.100	57.28	2.52	68.2	10.92	Peak	176.00	150	Horizontal	Pass
2	5650.000	55.27	2.54	68.2	12.93	Peak	0.00	150	Horizontal	Pass

U-NII-3 11ac20 High Channel



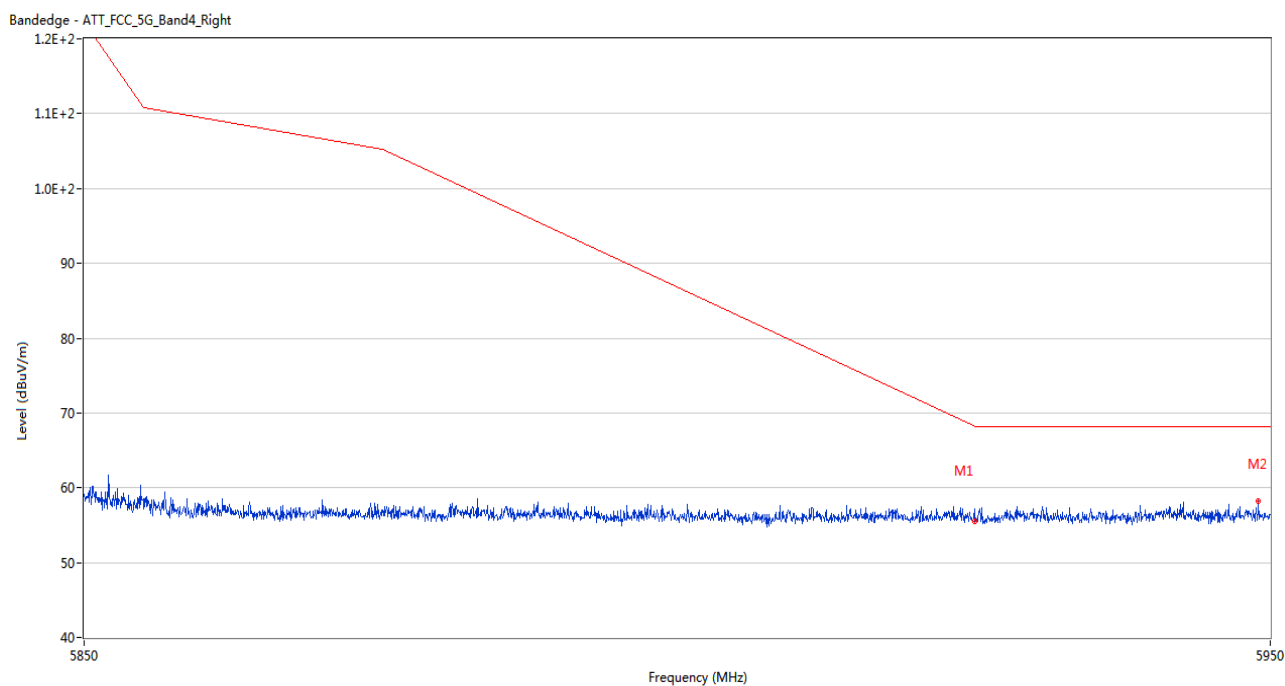
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.30	2.32	68.2	10.90	Peak	179.00	150	Horizontal	Pass
2	5928.650	58.54	2.67	68.2	9.66	Peak	114.00	150	Horizontal	Pass

U-NII-3 11ac40 Low Channel



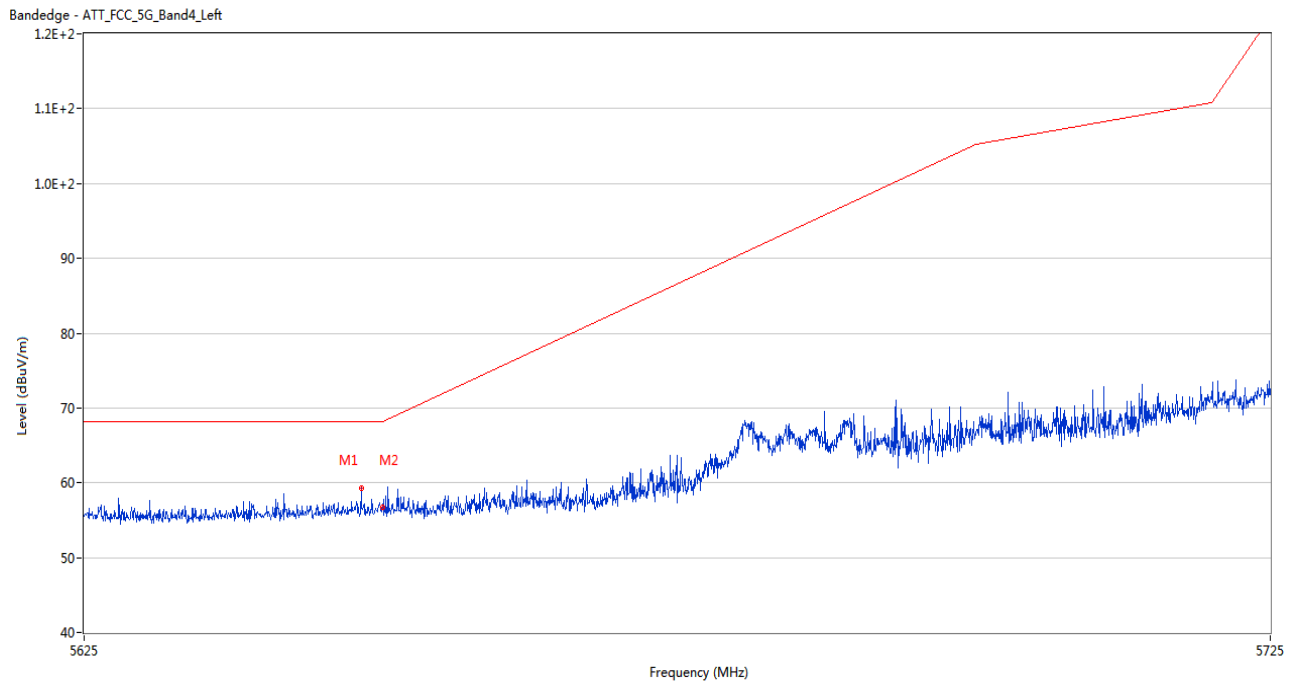
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.500	57.41	2.53	68.2	10.79	Peak	153.00	200	Horizontal	Pass
2	5650.000	55.45	2.54	68.2	12.75	Peak	54.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel



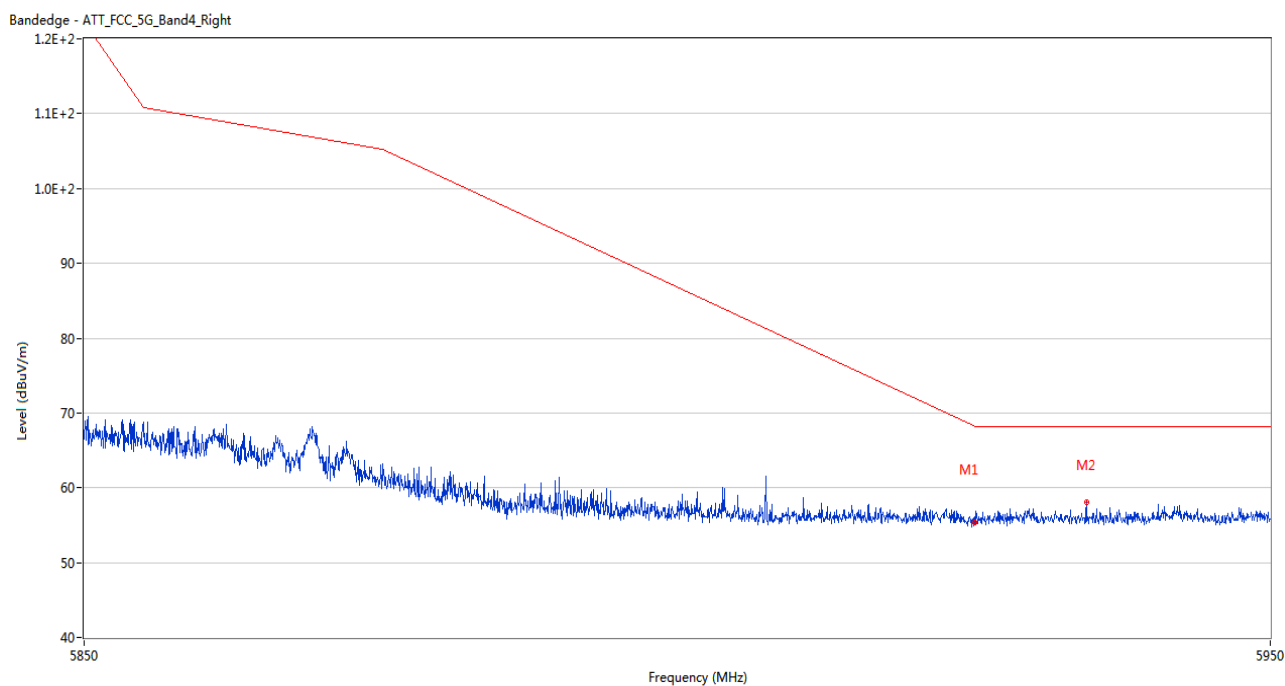
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.46	2.32	68.2	12.74	Peak	1.00	100	Horizontal	Pass
2	5949.000	58.18	2.61	68.2	10.02	Peak	35.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.200	59.28	2.53	68.2	8.92	Peak	147.00	100	Horizontal	Pass
2	5650.000	56.69	2.54	68.2	11.51	Peak	96.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.36	2.32	68.2	12.84	Peak	360.00	150	Horizontal	Pass
2	5934.400	58.04	2.42	68.2	10.16	Peak	109.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2451145-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2451145-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2451145-AI.PDF”.

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--END OF REPORT--