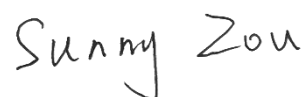
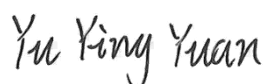


TEST REPORT

Applicant: vivo Mobile Communication Co., Ltd.
Address: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Equipment Type: Mobile Phone
Model Name: V2430
Brand Name: vivo
FCC ID: 2AUCY-V2430
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Dec. 26, 2024
Test Date: Dec. 27, 2024 - Jan. 13, 2025
Date of Issue: Feb. 17, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Yu Yingyuan**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Feb. 17, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ 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	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.2 Manufacturer Information

Manufacturer	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	V2430
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	MP_0.1
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	/
IMEI Number	/

2.4 Technical Information

Network and Wireless connectivity	WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80)
-----------------------------------	--

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: 43.85 mW U-NII-2A: 43.75 mW U-NII-2C: 40.74 mW U-NII-3: 51.17 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: 0.39 dBi U-NII-2A: 5250 MHz to 5350 MHz: -0.85 dBi U-NII-2C: 5470 MHz to 5725 MHz: 0.83 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.43 dBi
About the Product	The equipment is Mobile Phone, intended for used with information technology equipment.

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

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
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.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass

Note 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.

Note ³: Compared with the EUT of test report BL-SZ24C1274-604, the changes of the EUT of this report as below:

1. Added second source memory: 4+256G
2. Add second source fast charge power: 44W
3. Add the battery: BA86 (Sunwoda Electronic Co., Ltd.).
4. Add the adapter: V4440L0A0-US (Dongguan Aohai Technology Co., Ltd.).
5. Add the USB cable: BK-C-49-B.

Other hardware circuit and software are the same as EUT referred in test report BL-SZ24C1274-604. Therefore, in addition to the above differences, all test data and EUT information are derived from the report BL-SZ24C1274-604, which was issued by Shenzhen BALUN Technology Co., Ltd. on Jan. 17, 2025.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	46% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.8℃ to +25.1℃
Working Voltage of the EUT	NV (Normal Voltage)	3.85 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2024.08.01	2025.07.31
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2024.07.04	2025.07.03
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2024.05.22	2025.05.21
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2025.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	Agilent	N9038A	MY55330120	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Amplifier	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27
Anechoic Chamber	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8 m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

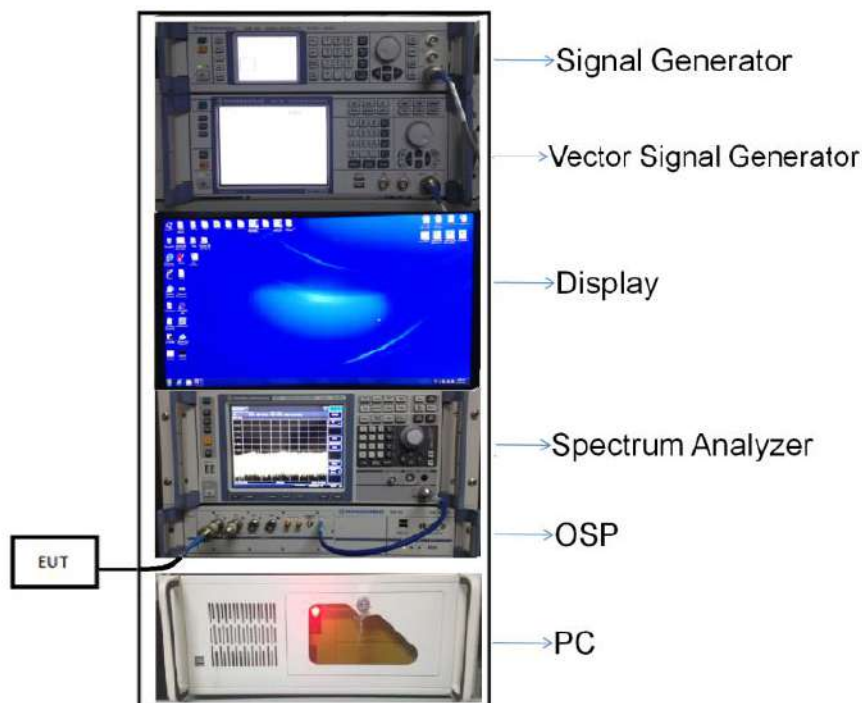
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

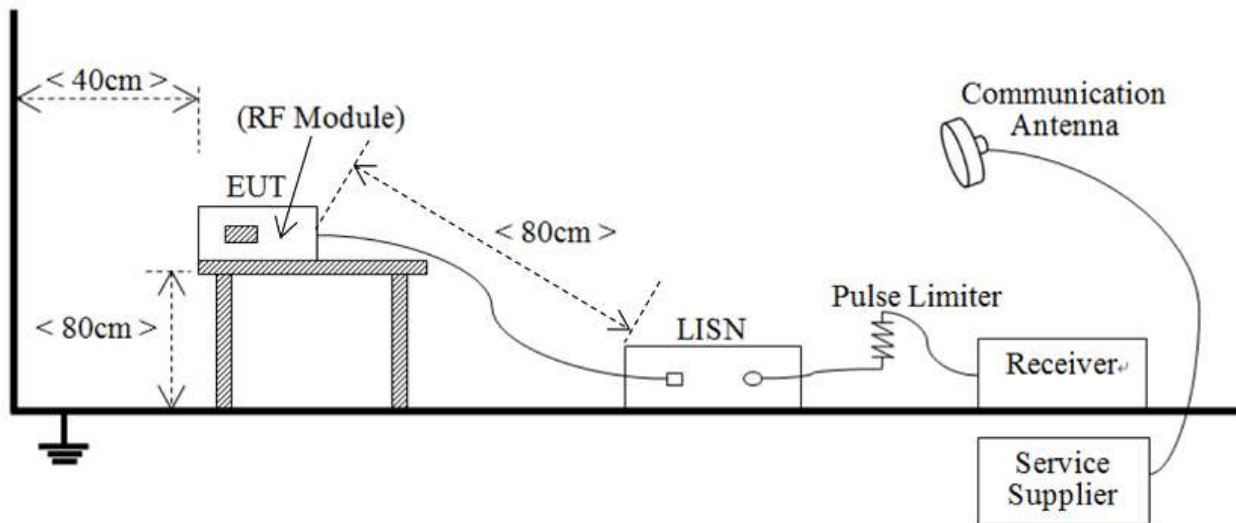
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



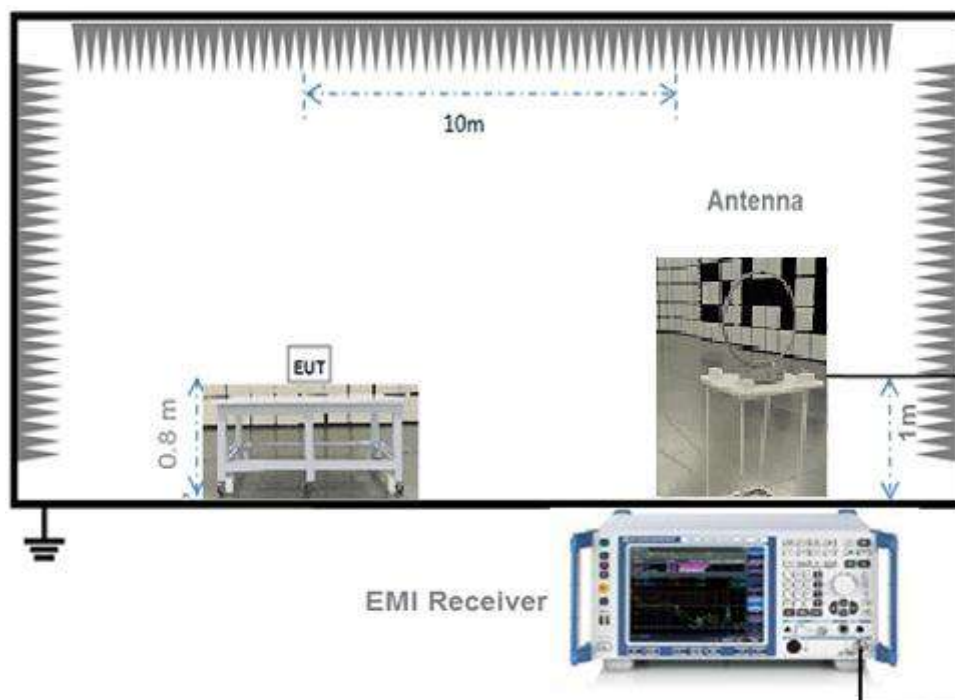
(Diagram 1)

4.5.2 For AC Power Supply Port Test



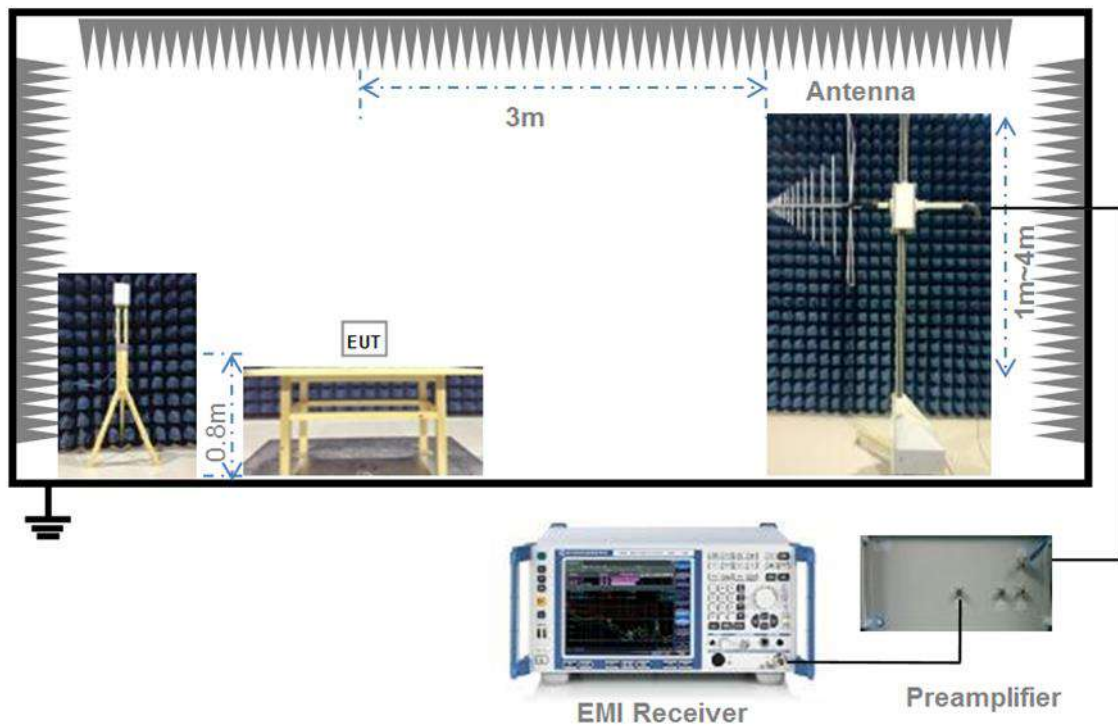
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



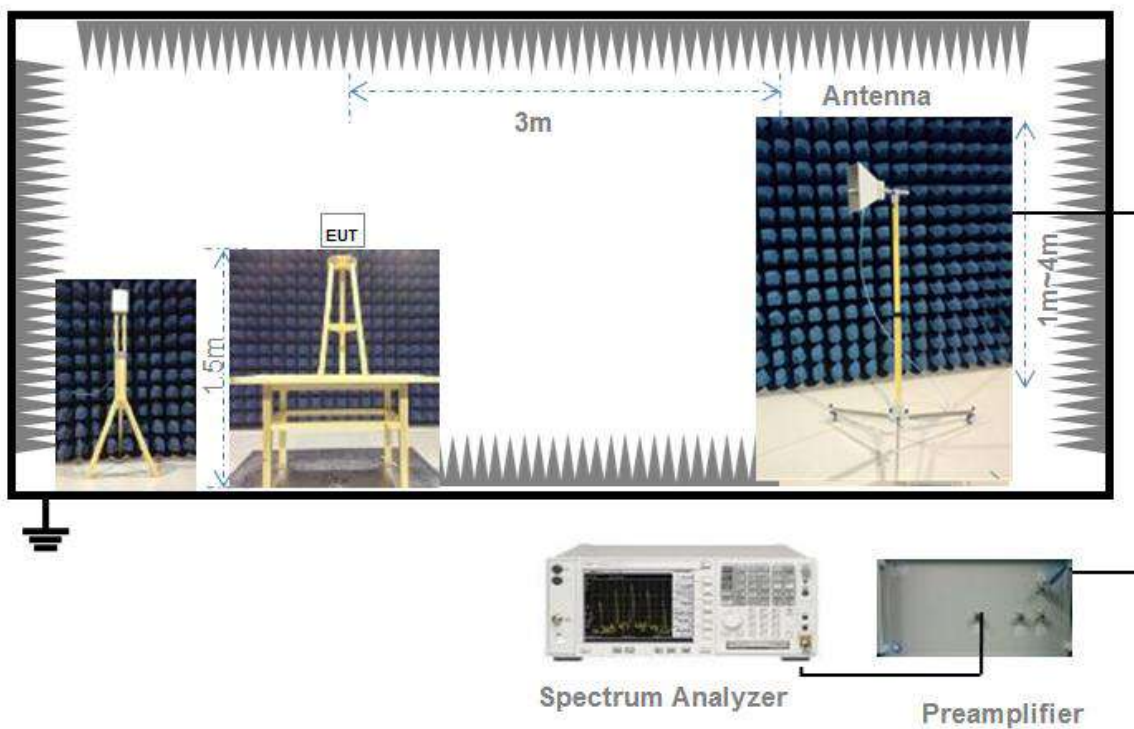
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

Set RBW ≥ 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)

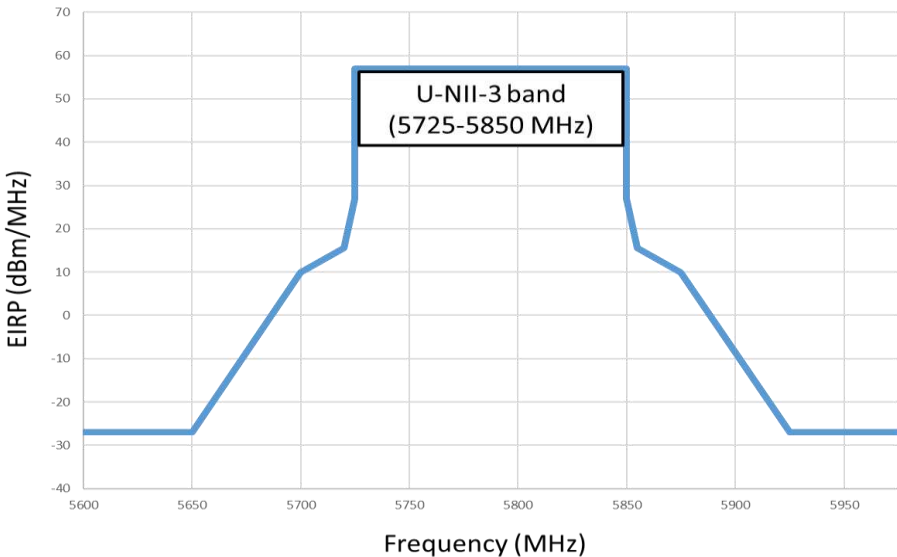
5.5.1 Limit

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.393	1.545	90.16%
11n (HT20)	1.175	1.338	87.82%
11n (HT40)	0.588	0.758	77.58%
11ac (VHT20)	1.186	1.380	85.94%
11ac (VHT40)	0.590	0.751	78.59%
11ac (VHT80)	0.295	0.447	66.00%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.59	22.86	250	Pass
11a	CH44	16.18	41.50	250	Pass
11a	CH48	16.42	43.85	250	Pass
11n (HT20)	CH36	12.97	19.82	250	Pass
11n (HT20)	CH44	15.50	35.48	250	Pass
11n (HT20)	CH48	15.80	38.02	250	Pass
11n (HT40)	CH38	12.09	16.18	250	Pass
11n (HT40)	CH46	14.11	25.76	250	Pass
11ac (VHT20)	CH36	12.95	19.72	250	Pass
11ac (VHT20)	CH44	14.59	28.77	250	Pass
11ac (VHT20)	CH48	14.86	30.62	250	Pass
11ac (VHT40)	CH38	12.76	18.88	250	Pass
11ac (VHT40)	CH46	14.94	31.19	250	Pass
11ac (VHT80)	CH42	10.57	11.40	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	16.41	43.75	250	Pass
11a	CH60	15.93	39.17	250	Pass
11a	CH64	13.00	19.95	250	Pass
11n (HT20)	CH52	15.59	36.22	250	Pass
11n (HT20)	CH60	15.19	33.04	250	Pass
11n (HT20)	CH64	12.12	16.29	250	Pass
11n (HT40)	CH54	13.69	23.39	250	Pass
11n (HT40)	CH62	11.38	13.74	250	Pass
11ac (VHT20)	CH52	14.70	29.51	250	Pass
11ac (VHT20)	CH60	14.28	26.79	250	Pass
11ac (VHT20)	CH64	12.12	16.29	250	Pass
11ac (VHT40)	CH54	14.55	28.51	250	Pass
11ac (VHT40)	CH62	12.23	16.71	250	Pass
11ac (VHT80)	CH58	10.51	11.25	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	8.36	6.85	250	Pass
11a	CH116	16.10	40.74	250	Pass
11a	CH140	9.81	9.57	250	Pass
11n (HT20)	CH100	8.52	7.11	250	Pass
11n (HT20)	CH116	15.34	34.20	250	Pass
11n (HT20)	CH140	9.92	9.82	250	Pass
11n (HT40)	CH102	7.76	5.97	250	Pass
11n (HT40)	CH118	13.36	21.68	250	Pass
11n (HT40)	CH134	9.06	8.05	250	Pass
11ac (VHT20)	CH100	8.56	7.18	250	Pass
11ac (VHT20)	CH116	14.42	27.67	250	Pass
11ac (VHT20)	CH140	10.03	10.07	250	Pass
11ac (VHT40)	CH102	8.45	7.00	250	Pass
11ac (VHT40)	CH118	14.36	27.29	250	Pass
11ac (VHT40)	CH134	10.07	10.16	250	Pass
11ac (VHT80)	CH106	7.56	5.70	250	Pass
11ac (VHT80)	CH122	10.69	11.72	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.09	51.17	1000	Pass
11a	CH157	16.91	49.09	1000	Pass
11a	CH165	16.66	46.34	1000	Pass
11n (HT20)	CH149	16.36	43.25	1000	Pass
11n (HT20)	CH157	16.16	41.30	1000	Pass
11n (HT20)	CH165	15.90	38.90	1000	Pass
11n (HT40)	CH151	14.55	28.51	1000	Pass
11n (HT40)	CH159	14.31	26.98	1000	Pass
11ac (VHT20)	CH149	15.47	35.24	1000	Pass
11ac (VHT20)	CH157	15.32	34.04	1000	Pass
11ac (VHT20)	CH165	15.00	31.62	1000	Pass
11ac (VHT40)	CH151	15.36	34.36	1000	Pass
11ac (VHT40)	CH159	15.23	33.34	1000	Pass
11ac (VHT80)	CH155	13.38	21.78	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2520085-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	28.24	16.77
11a	CH44	35.31	17.98
11a	CH48	36.43	18.89
11n (HT20)	CH36	30.03	17.86
11n (HT20)	CH44	35.76	18.04
11n (HT20)	CH48	38.04	18.24
11n (HT40)	CH38	57.35	36.56
11n (HT40)	CH46	64.49	36.40
11ac (VHT20)	CH36	31.85	17.80
11ac (VHT20)	CH44	31.29	17.89
11ac (VHT20)	CH48	33.33	18.00
11ac (VHT40)	CH38	54.62	36.56
11ac (VHT40)	CH46	67.71	36.41
11ac (VHT80)	CH42	86.70	75.54

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	36.32	18.72
11a	CH60	34.77	18.01
11a	CH64	29.09	16.77
11n (HT20)	CH52	36.90	18.15
11n (HT20)	CH60	35.34	18.05
11n (HT20)	CH64	30.98	17.84
11n (HT40)	CH54	57.23	36.32
11n (HT40)	CH62	54.57	36.54
11ac (VHT20)	CH52	32.21	17.95
11ac (VHT20)	CH60	32.85	17.91
11ac (VHT20)	CH64	31.80	17.79
11ac (VHT40)	CH54	62.01	36.39
11ac (VHT40)	CH62	55.36	36.49
11ac (VHT80)	CH58	86.41	75.39

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	28.76	16.79
11a	CH116	35.03	18.31
11a	CH140	27.32	16.77
11n (HT20)	CH100	31.86	17.88
11n (HT20)	CH116	36.87	18.08
11n (HT20)	CH140	30.13	17.86
11n (HT40)	CH102	57.17	36.62
11n (HT40)	CH118	54.17	36.30
11n (HT40)	CH134	55.26	36.59
11ac (VHT20)	CH100	33.11	17.79
11ac (VHT20)	CH116	32.66	17.91
11ac (VHT20)	CH140	33.21	17.78
11ac (VHT40)	CH102	54.43	36.53
11ac (VHT40)	CH118	61.00	36.29
11ac (VHT40)	CH134	54.61	36.50
11ac (VHT80)	CH106	87.07	75.68
11ac (VHT80)	CH122	86.51	75.48

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	37.18	18.53
11a	CH157	35.47	18.37
11a	CH165	35.24	18.17
11n (HT20)	CH149	36.92	18.11
11n (HT20)	CH157	35.78	18.09
11n (HT20)	CH165	35.33	18.05
11n (HT40)	CH151	53.73	36.30
11n (HT40)	CH159	52.67	36.29
11ac (VHT20)	CH149	32.89	17.91
11ac (VHT20)	CH157	30.95	17.88
11ac (VHT20)	CH165	33.24	17.89
11ac (VHT40)	CH151	60.49	36.27
11ac (VHT40)	CH159	60.32	36.24
11ac (VHT80)	CH155	105.30	75.70

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2520085-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.40	500.00	Pass
11a	CH157	16.40	500.00	Pass
11a	CH165	16.45	500.00	Pass
11n (HT20)	CH149	17.35	500.00	Pass
11n (HT20)	CH157	17.25	500.00	Pass
11n (HT20)	CH165	17.40	500.00	Pass
11n (HT40)	CH151	35.25	500.00	Pass
11n (HT40)	CH159	35.35	500.00	Pass
11ac (VHT20)	CH149	17.30	500.00	Pass
11ac (VHT20)	CH157	17.30	500.00	Pass
11ac (VHT20)	CH165	17.40	500.00	Pass
11ac (VHT40)	CH151	35.30	500.00	Pass
11ac (VHT40)	CH159	35.30	500.00	Pass
11ac (VHT80)	CH155	75.95	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2520085-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	2.21	11.00	Pass
11a	CH44	4.55	11.00	Pass
11a	CH48	4.84	11.00	Pass
11n (HT20)	CH36	0.69	11.00	Pass
11n (HT20)	CH44	3.36	11.00	Pass
11n (HT20)	CH48	3.54	11.00	Pass
11n (HT40)	CH38	-3.34	11.00	Pass
11n (HT40)	CH46	-1.22	11.00	Pass
11ac (VHT20)	CH36	0.64	11.00	Pass
11ac (VHT20)	CH44	2.37	11.00	Pass
11ac (VHT20)	CH48	2.72	11.00	Pass
11ac (VHT40)	CH38	-2.87	11.00	Pass
11ac (VHT40)	CH46	-0.68	11.00	Pass
11ac (VHT80)	CH42	-8.39	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.58	11.00	Pass
11a	CH60	4.07	11.00	Pass
11a	CH64	1.10	11.00	Pass
11n (HT20)	CH52	3.35	11.00	Pass
11n (HT20)	CH60	3.06	11.00	Pass
11n (HT20)	CH64	-0.11	11.00	Pass
11n (HT40)	CH54	-1.74	11.00	Pass
11n (HT40)	CH62	-4.06	11.00	Pass
11ac (VHT20)	CH52	2.44	11.00	Pass
11ac (VHT20)	CH60	2.17	11.00	Pass
11ac (VHT20)	CH64	-0.08	11.00	Pass
11ac (VHT40)	CH54	-1.07	11.00	Pass
11ac (VHT40)	CH62	-3.20	11.00	Pass
11ac (VHT80)	CH58	-8.92	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-3.46	11.00	Pass
11a	CH116	4.55	11.00	Pass
11a	CH140	-1.89	11.00	Pass
11n (HT20)	CH100	-4.00	11.00	Pass
11n (HT20)	CH116	3.07	11.00	Pass
11n (HT20)	CH140	-2.53	11.00	Pass
11n (HT40)	CH102	-8.19	11.00	Pass
11n (HT40)	CH118	-2.12	11.00	Pass
11n (HT40)	CH134	-6.75	11.00	Pass
11ac (VHT20)	CH100	-4.08	11.00	Pass
11ac (VHT20)	CH116	2.06	11.00	Pass
11ac (VHT20)	CH140	-2.54	11.00	Pass
11ac (VHT40)	CH102	-7.38	11.00	Pass
11ac (VHT40)	CH118	-1.22	11.00	Pass
11ac (VHT40)	CH134	-5.67	11.00	Pass
11ac (VHT80)	CH106	-11.98	11.00	Pass
11ac (VHT80)	CH122	-8.76	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	2.20	30.00	Pass
11a	CH157	1.95	30.00	Pass
11a	CH165	1.70	30.00	Pass
11n (HT20)	CH149	1.28	30.00	Pass
11n (HT20)	CH157	1.02	30.00	Pass
11n (HT20)	CH165	0.60	30.00	Pass
11n (HT40)	CH151	-3.93	30.00	Pass
11n (HT40)	CH159	-4.13	30.00	Pass
11ac (VHT20)	CH149	0.22	30.00	Pass
11ac (VHT20)	CH157	-0.01	30.00	Pass
11ac (VHT20)	CH165	-0.31	30.00	Pass
11ac (VHT40)	CH151	-3.34	30.00	Pass
11ac (VHT40)	CH159	-3.45	30.00	Pass
11ac (VHT80)	CH155	-8.92	30.00	Pass

A.5 Conducted Emissions

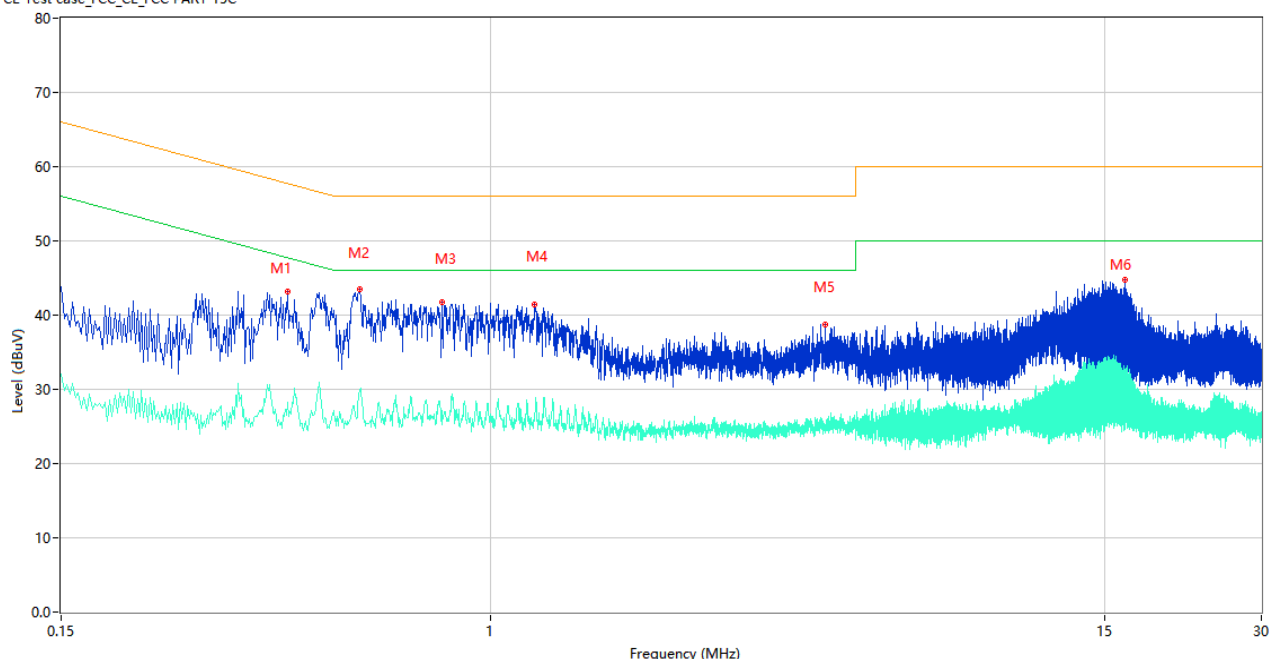
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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 (120 VAC, 60 Hz) shown here.

Test Data and Plots

PHASE L

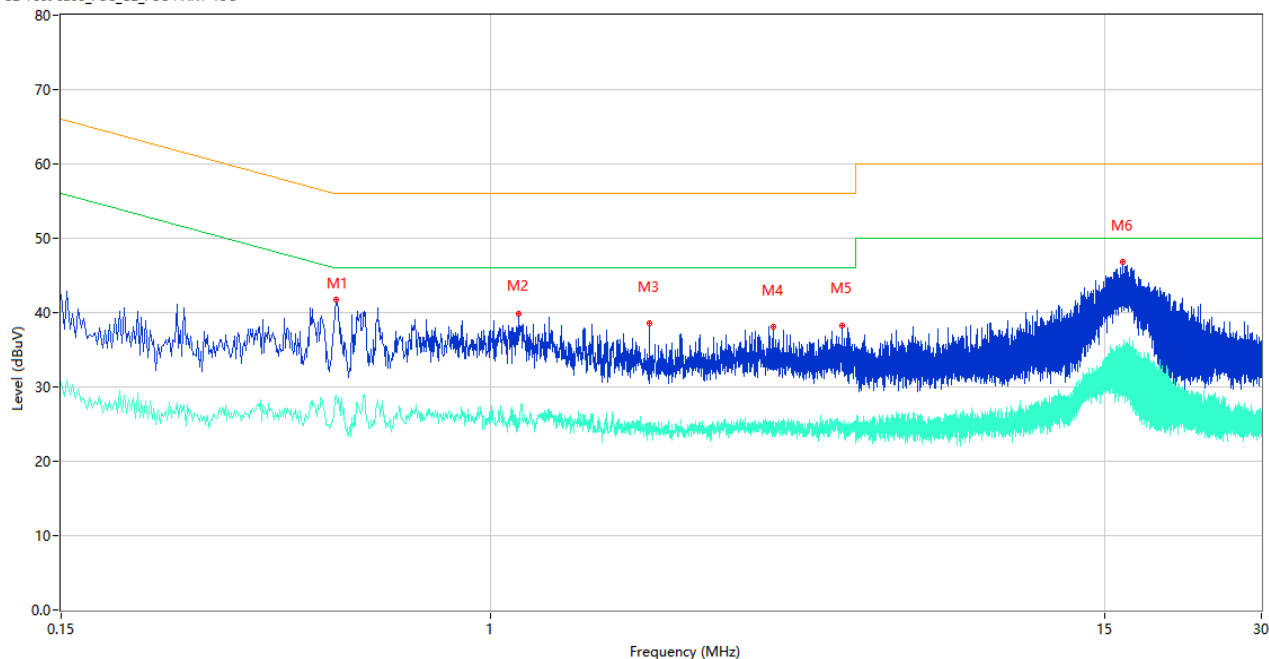
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.408	43.23	10.47	57.69	14.46	Peak	L	Pass
1**	0.408	28.20	10.47	47.69	19.49	AV	L	Pass
2	0.560	43.46	10.06	56.00	12.54	Peak	L	Pass
2**	0.560	29.97	10.06	46.00	16.03	AV	L	Pass
3	0.808	41.73	10.54	56.00	14.27	Peak	L	Pass
3**	0.808	27.10	10.54	46.00	18.90	AV	L	Pass
4	1.214	41.40	10.07	56.00	14.60	Peak	L	Pass
4**	1.214	26.52	10.07	46.00	19.48	AV	L	Pass
5	4.368	38.81	10.19	56.00	17.19	Peak	L	Pass
5**	4.368	24.31	10.19	46.00	21.69	AV	L	Pass
6	16.410	44.80	10.58	60.00	15.20	Peak	L	Pass
6**	16.410	32.42	10.58	50.00	17.58	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.506	41.81	9.99	56.00	14.19	Peak	N	Pass
1**	0.506	28.85	9.99	46.00	17.15	AV	N	Pass
2	1.130	39.76	10.25	56.00	16.24	Peak	N	Pass
2**	1.130	25.39	10.25	46.00	20.61	AV	N	Pass
3	2.012	38.52	10.30	56.00	17.48	Peak	N	Pass
3**	2.012	25.20	10.30	46.00	20.80	AV	N	Pass
4	3.478	38.05	10.15	56.00	17.95	Peak	N	Pass
4**	3.478	24.68	10.15	46.00	21.32	AV	N	Pass
5	4.722	38.29	10.12	56.00	17.71	Peak	N	Pass
5**	4.722	24.36	10.12	46.00	21.64	AV	N	Pass
6	16.282	46.82	10.75	60.00	13.18	Peak	N	Pass
6**	16.282	30.03	10.75	50.00	19.97	AV	N	Pass

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

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

Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

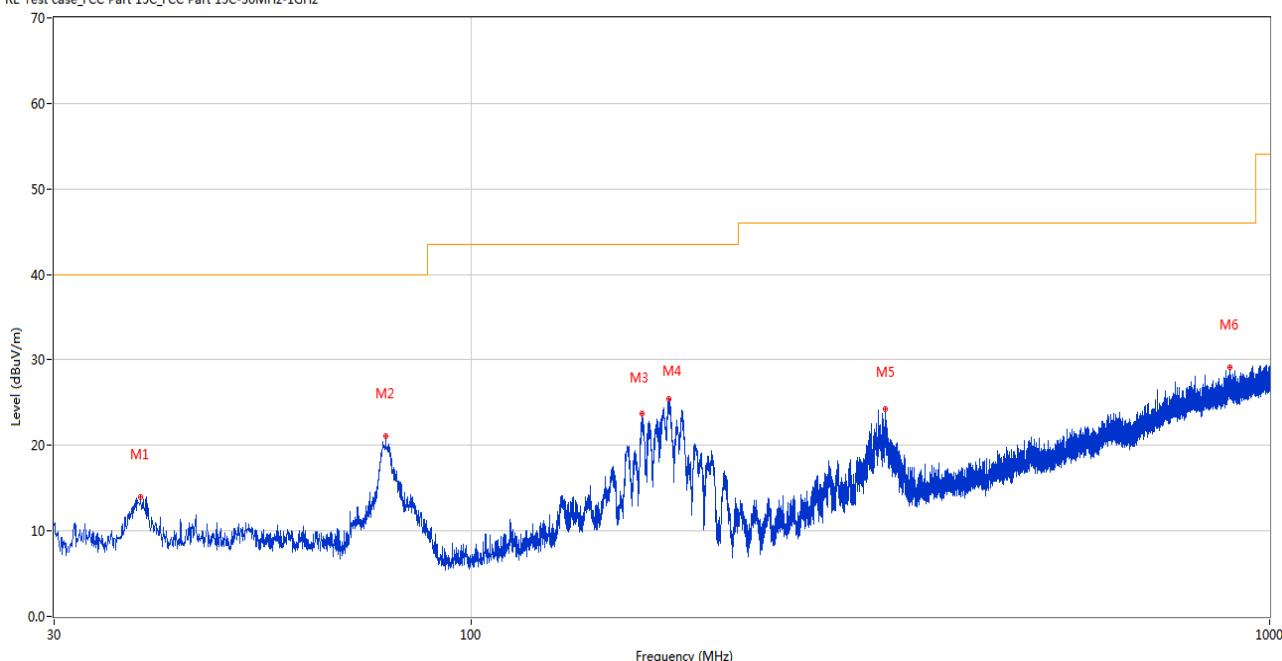
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

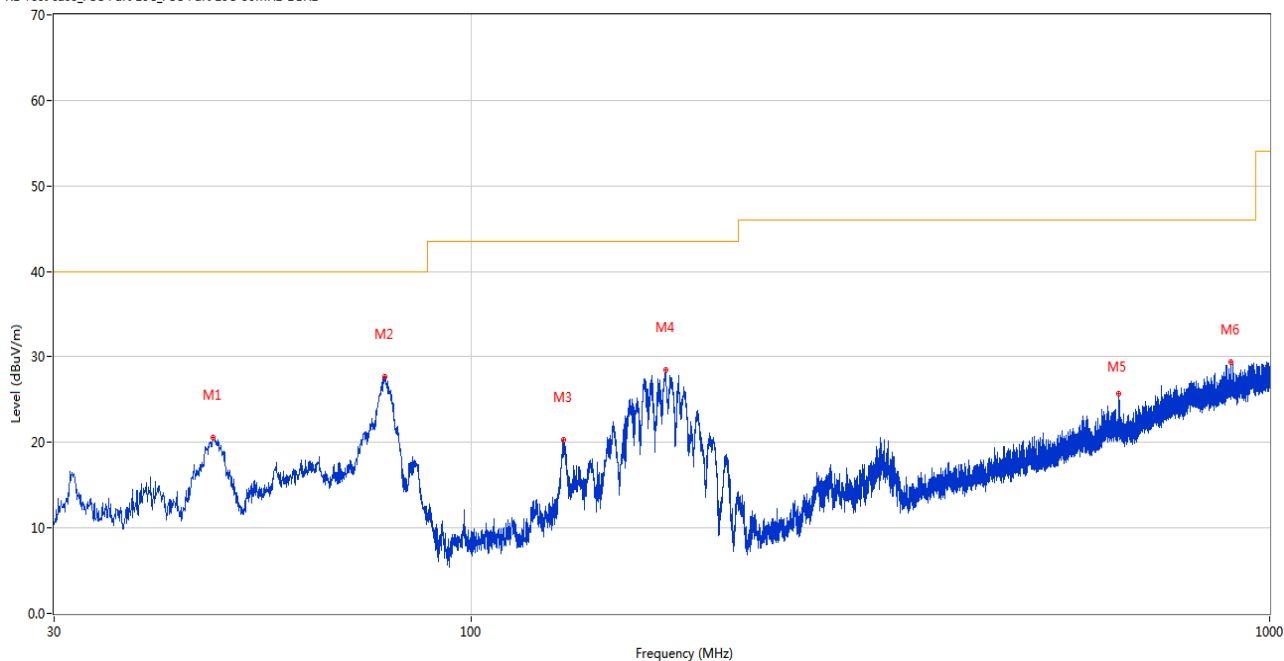
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.487	13.99	-26.80	40.0	26.01	Peak	360.00	200	Horizontal	Pass
2	78.063	21.04	-30.43	40.0	18.96	Peak	172.00	200	Horizontal	Pass
3	163.666	23.74	-25.19	43.5	19.76	Peak	115.00	200	Horizontal	Pass
4	176.567	25.45	-26.59	43.5	18.05	Peak	93.00	200	Horizontal	Pass
5	329.778	24.30	-23.33	46.0	21.70	Peak	74.00	100	Horizontal	Pass
6	891.360	29.12	-10.54	46.0	16.88	Peak	141.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.508	20.60	-26.74	40.0	19.40	Peak	155.00	100	Vertical	Pass
2	77.821	27.66	-30.37	40.0	12.34	Peak	251.00	100	Vertical	Pass
3	130.346	20.29	-27.40	43.5	23.21	Peak	99.00	100	Vertical	Pass
4	175.064	28.47	-26.42	43.5	15.03	Peak	39.00	100	Vertical	Pass
5	647.890	25.67	-15.33	46.0	20.33	Peak	197.00	100	Vertical	Pass
6	893.930	29.36	-10.61	46.0	16.64	Peak	29.00	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)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.700	38.02	74.0	35.98	Peak	44.00	300	Horizontal	Pass
1**	1581.700	29.08	54.0	24.92	AV	44.00	300	Horizontal	Pass
2	3981.800	49.63	74.0	24.37	Peak	352.00	400	Horizontal	Pass
2**	3981.800	40.81	54.0	13.19	AV	352.00	400	Horizontal	Pass
3	5177.800	107.59	--	--	Peak	101.00	200	Horizontal	N/A
3**	5177.800	99.96	--	--	AV	101.00	200	Horizontal	N/A
4	7547.400	50.57	74.0	23.43	Peak	253.00	100	Horizontal	Pass
4**	7547.400	40.41	54.0	13.59	AV	253.00	100	Horizontal	Pass
5	11295.250	51.51	74.0	22.49	Peak	360.00	200	Horizontal	Pass
5**	11295.250	41.39	54.0	12.61	AV	360.00	200	Horizontal	Pass
6	16084.013	54.07	74.0	19.93	Peak	209.00	400	Horizontal	Pass
6**	16084.013	44.71	54.0	9.29	AV	209.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.500	39.36	74.0	34.64	Peak	0.00	400	Vertical	Pass
1**	1585.500	29.14	54.0	24.86	AV	0.00	400	Vertical	Pass
2	2338.800	43.19	74.0	30.81	Peak	0.00	100	Vertical	Pass
2**	2338.800	33.42	54.0	20.58	AV	0.00	100	Vertical	Pass
3	4940.400	51.83	74.0	22.17	Peak	307.00	100	Vertical	Pass
3**	4940.400	42.95	54.0	11.05	AV	307.00	100	Vertical	Pass
4	5184.200	100.19	--	--	Peak	182.00	200	Vertical	N/A
4**	5184.200	93.64	--	--	AV	182.00	200	Vertical	N/A
5	10930.700	51.28	74.0	22.72	Peak	116.00	200	Vertical	Pass
5**	10930.700	42.23	54.0	11.77	AV	116.00	200	Vertical	Pass
6	17395.200	54.67	68.2	13.53	Peak	134.00	300	Vertical	Pass
6**	17395.200	45.20	--	--	AV	134.00	300	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.100	38.34	74.0	35.66	Peak	360.00	300	Horizontal	Pass
1**	1584.100	28.67	54.0	25.33	AV	360.00	300	Horizontal	Pass
2	4176.200	50.86	74.0	23.14	Peak	118.00	400	Horizontal	Pass
2**	4176.200	43.87	54.0	10.13	AV	118.00	400	Horizontal	Pass
3	5213.000	110.03	--	--	Peak	95.00	200	Horizontal	N/A
3**	5213.000	102.50	--	--	AV	95.00	200	Horizontal	N/A
4	7501.112	49.61	74.0	24.39	Peak	47.00	300	Horizontal	Pass
4**	7501.112	40.97	54.0	13.03	AV	47.00	300	Horizontal	Pass
5	11335.788	51.48	74.0	22.52	Peak	14.00	100	Horizontal	Pass
5**	11335.788	43.11	54.0	10.89	AV	14.00	100	Horizontal	Pass
6	16013.662	53.81	74.0	20.19	Peak	95.00	300	Horizontal	Pass
6**	16013.662	43.76	54.0	10.24	AV	95.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.300	38.33	74.0	35.67	Peak	360.00	100	Vertical	Pass
1**	1454.300	28.71	54.0	25.29	AV	360.00	100	Vertical	Pass
2	4192.600	49.61	74.0	24.39	Peak	117.00	100	Vertical	Pass
2**	4192.600	40.48	54.0	13.52	AV	117.00	100	Vertical	Pass
3	5221.200	103.16	--	--	Peak	185.00	200	Vertical	N/A
3**	5221.200	95.92	--	--	AV	185.00	200	Vertical	N/A
4	7504.275	50.87	74.0	23.13	Peak	282.00	100	Vertical	Pass
4**	7504.275	40.59	54.0	13.41	AV	282.00	100	Vertical	Pass
5	11761.287	51.46	74.0	22.54	Peak	13.00	150	Vertical	Pass
5**	11761.287	42.00	54.0	12.00	AV	13.00	150	Vertical	Pass
6	15786.338	53.83	74.0	20.17	Peak	150.00	100	Vertical	Pass
6**	15786.338	44.35	54.0	9.65	AV	150.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.600	37.78	74.0	36.22	Peak	91.00	200	Horizontal	Pass
1**	1458.600	28.84	54.0	25.16	AV	91.00	200	Horizontal	Pass
2	4192.000	50.33	74.0	23.67	Peak	111.00	400	Horizontal	Pass
2**	4192.000	45.39	54.0	8.61	AV	111.00	400	Horizontal	Pass
3	5243.200	109.79	--	--	Peak	100.00	100	Horizontal	N/A
3**	5243.200	101.69	--	--	AV	100.00	100	Horizontal	N/A
4	7502.837	50.08	74.0	23.92	Peak	0.00	400	Horizontal	Pass
4**	7502.837	41.21	54.0	12.79	AV	0.00	400	Horizontal	Pass
5	11905.037	51.59	74.0	22.41	Peak	310.00	200	Horizontal	Pass
5**	11905.037	43.19	54.0	10.81	AV	310.00	200	Horizontal	Pass
6	15562.687	53.68	74.0	20.32	Peak	0.00	300	Horizontal	Pass
6**	15562.687	44.08	54.0	9.92	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.700	38.54	74.0	35.46	Peak	360.00	300	Vertical	Pass
1**	1583.700	29.77	54.0	24.23	AV	360.00	300	Vertical	Pass
2	4327.000	49.40	74.0	24.60	Peak	17.00	300	Vertical	Pass
2**	4327.000	39.69	54.0	14.31	AV	17.00	300	Vertical	Pass
3	5244.000	102.75	--	--	Peak	184.00	100	Vertical	N/A
3**	5244.000	95.68	--	--	AV	184.00	100	Vertical	N/A
4	7501.687	49.96	74.0	24.04	Peak	205.00	100	Vertical	Pass
4**	7501.687	42.01	54.0	11.99	AV	205.00	100	Vertical	Pass
5	11209.862	51.69	74.0	22.31	Peak	0.00	150	Vertical	Pass
5**	11209.862	42.58	54.0	11.42	AV	0.00	150	Vertical	Pass
6	15905.250	53.90	74.0	20.10	Peak	127.00	400	Vertical	Pass
6**	15905.250	43.98	54.0	10.02	AV	127.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.300	38.18	74.0	35.82	Peak	230.00	100	Horizontal	Pass
1**	1487.300	29.03	54.0	24.97	AV	230.00	100	Horizontal	Pass
2	4225.400	49.87	74.0	24.13	Peak	1.00	300	Horizontal	Pass
2**	4225.400	39.68	54.0	14.32	AV	1.00	300	Horizontal	Pass
3	5172.400	107.31	--	--	Peak	97.00	100	Horizontal	N/A
3**	5172.400	99.05	--	--	AV	97.00	100	Horizontal	N/A
4	7452.525	50.13	74.0	23.87	Peak	14.00	200	Horizontal	Pass
4**	7452.525	40.94	54.0	13.06	AV	14.00	200	Horizontal	Pass
5	11211.300	51.44	74.0	22.56	Peak	233.00	200	Horizontal	Pass
5**	11211.300	42.33	54.0	11.67	AV	233.00	200	Horizontal	Pass
6	15670.575	53.74	74.0	20.26	Peak	85.00	400	Horizontal	Pass
6**	15670.575	44.04	54.0	9.96	AV	85.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.600	39.15	74.0	34.85	Peak	289.00	200	Vertical	Pass
1**	1488.600	29.67	54.0	24.33	AV	289.00	200	Vertical	Pass
2	3991.200	49.52	74.0	24.48	Peak	352.00	200	Vertical	Pass
2**	3991.200	40.38	54.0	13.62	AV	352.00	200	Vertical	Pass
3	5172.400	100.26	--	--	Peak	185.00	100	Vertical	N/A
3**	5172.400	92.06	--	--	AV	185.00	100	Vertical	N/A
4	7668.438	49.61	74.0	24.39	Peak	255.00	100	Vertical	Pass
4**	7668.438	39.60	54.0	14.40	AV	255.00	100	Vertical	Pass
5	11890.088	51.29	74.0	22.71	Peak	144.00	100	Vertical	Pass
5**	11890.088	41.77	54.0	12.23	AV	144.00	100	Vertical	Pass
6	16096.088	54.44	74.0	19.56	Peak	360.00	400	Vertical	Pass
6**	16096.088	44.58	54.0	9.42	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.700	38.36	74.0	35.64	Peak	118.00	100	Horizontal	Pass
1**	1571.700	29.14	54.0	24.86	AV	118.00	100	Horizontal	Pass
2	4176.000	48.35	74.0	25.65	Peak	125.00	150	Horizontal	Pass
2**	4176.000	45.58	54.0	8.42	AV	125.00	150	Horizontal	Pass
3	5218.200	109.71	--	--	Peak	101.00	150	Horizontal	N/A
3**	5218.200	101.44	--	--	AV	101.00	150	Horizontal	N/A
4	7449.362	50.02	74.0	23.98	Peak	296.00	300	Horizontal	Pass
4**	7449.362	40.18	54.0	13.82	AV	296.00	300	Horizontal	Pass
5	11792.625	51.92	74.0	22.08	Peak	15.00	150	Horizontal	Pass
5**	11792.625	43.07	54.0	10.93	AV	15.00	150	Horizontal	Pass
6	15819.938	54.26	74.0	19.74	Peak	201.00	200	Horizontal	Pass
6**	15819.938	45.40	54.0	8.60	AV	201.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.900	38.68	74.0	35.32	Peak	252.00	400	Vertical	Pass
1**	1488.900	29.69	54.0	24.31	AV	252.00	400	Vertical	Pass
2	4318.800	49.74	74.0	24.26	Peak	209.00	400	Vertical	Pass
2**	4318.800	40.03	54.0	13.97	AV	209.00	400	Vertical	Pass
3	5222.600	102.66	--	--	Peak	185.00	150	Vertical	N/A
3**	5222.600	95.76	--	--	AV	185.00	150	Vertical	N/A
4	7466.612	49.55	74.0	24.45	Peak	217.00	300	Vertical	Pass
4**	7466.612	40.94	54.0	13.06	AV	217.00	300	Vertical	Pass
5	11945.287	52.09	74.0	21.91	Peak	14.00	150	Vertical	Pass
5**	11945.287	42.13	54.0	11.87	AV	14.00	150	Vertical	Pass
6	15520.950	54.20	74.0	19.80	Peak	360.00	300	Vertical	Pass
6**	15520.950	45.05	54.0	8.95	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.200	38.57	74.0	35.43	Peak	337.00	200	Horizontal	Pass
1**	1572.200	28.61	54.0	25.39	AV	337.00	200	Horizontal	Pass
2	4192.200	49.37	74.0	24.63	Peak	207.00	150	Horizontal	Pass
2**	4192.200	45.65	54.0	8.35	AV	207.00	150	Horizontal	Pass
3	5243.800	109.19	--	--	Peak	99.00	100	Horizontal	N/A
3**	5243.800	101.65	--	--	AV	99.00	100	Horizontal	N/A
4	7392.150	49.98	74.0	24.02	Peak	179.00	300	Horizontal	Pass
4**	7392.150	39.59	54.0	14.41	AV	179.00	300	Horizontal	Pass
5	10935.588	51.43	74.0	22.57	Peak	270.00	100	Horizontal	Pass
5**	10935.588	41.90	54.0	12.10	AV	270.00	100	Horizontal	Pass
6	16127.588	54.30	74.0	19.70	Peak	7.00	400	Horizontal	Pass
6**	16127.588	45.37	54.0	8.63	AV	7.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1548.600	38.40	74.0	35.60	Peak	275.00	300	Vertical	Pass
1**	1548.600	28.83	54.0	25.17	AV	275.00	300	Vertical	Pass
2	3714.400	50.18	74.0	23.82	Peak	15.00	100	Vertical	Pass
2**	3714.400	39.64	54.0	14.36	AV	15.00	100	Vertical	Pass
3	5242.400	102.75	--	--	Peak	4.00	200	Vertical	N/A
3**	5242.400	94.94	--	--	AV	4.00	200	Vertical	N/A
4	7495.363	49.75	74.0	24.25	Peak	333.00	100	Vertical	Pass
4**	7495.363	40.62	54.0	13.38	AV	333.00	100	Vertical	Pass
5	10927.250	51.45	74.0	22.55	Peak	14.00	200	Vertical	Pass
5**	10927.250	42.38	54.0	11.62	AV	14.00	200	Vertical	Pass
6	16098.187	53.93	74.0	20.07	Peak	229.00	100	Vertical	Pass
6**	16098.187	44.63	54.0	9.37	AV	229.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.800	38.06	74.0	35.94	Peak	152.00	200	Horizontal	Pass
1**	1456.800	28.36	54.0	25.64	AV	152.00	200	Horizontal	Pass
2	4373.000	49.79	74.0	24.21	Peak	34.00	100	Horizontal	Pass
2**	4373.000	41.17	54.0	12.83	AV	34.00	100	Horizontal	Pass
3	5173.600	103.66	--	--	Peak	91.00	200	Horizontal	N/A
3**	5173.600	95.71	--	--	AV	91.00	200	Horizontal	N/A
4	7510.888	49.72	74.0	24.28	Peak	335.00	400	Horizontal	Pass
4**	7510.888	39.98	54.0	14.02	AV	335.00	400	Horizontal	Pass
5	11772.787	51.57	74.0	22.43	Peak	16.00	200	Horizontal	Pass
5**	11772.787	42.27	54.0	11.73	AV	16.00	200	Horizontal	Pass
6	15829.913	54.08	74.0	19.92	Peak	130.00	400	Horizontal	Pass
6**	15829.913	44.16	54.0	9.84	AV	130.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1610.100	38.67	74.0	35.33	Peak	347.00	100	Vertical	Pass
1**	1610.100	29.61	54.0	24.39	AV	347.00	100	Vertical	Pass
2	4244.600	49.92	74.0	24.08	Peak	151.00	400	Vertical	Pass
2**	4244.600	41.04	54.0	12.96	AV	151.00	400	Vertical	Pass
3	5205.000	96.87	--	--	Peak	27.00	100	Vertical	N/A
3**	5205.000	88.26	--	--	AV	27.00	100	Vertical	N/A
4	7507.725	50.27	74.0	23.73	Peak	301.00	200	Vertical	Pass
4**	7507.725	40.82	54.0	13.18	AV	301.00	200	Vertical	Pass
5	11789.750	51.50	74.0	22.50	Peak	301.00	200	Vertical	Pass
5**	11789.750	42.52	54.0	11.48	AV	301.00	200	Vertical	Pass
6	15948.300	53.87	74.0	20.13	Peak	248.00	200	Vertical	Pass
6**	15948.300	43.56	54.0	10.44	AV	248.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.300	38.60	74.0	35.40	Peak	207.00	300	Horizontal	Pass
1**	1490.300	28.94	54.0	25.06	AV	207.00	300	Horizontal	Pass
2	4184.000	48.85	74.0	25.15	Peak	58.00	150	Horizontal	Pass
2**	4184.000	44.82	54.0	9.18	AV	58.00	150	Horizontal	Pass
3	5223.000	106.19	--	--	Peak	95.00	200	Horizontal	N/A
3**	5223.000	98.42	--	--	AV	95.00	200	Horizontal	N/A
4	7619.850	49.59	74.0	24.41	Peak	34.00	200	Horizontal	Pass
4**	7619.850	40.65	54.0	13.35	AV	34.00	200	Horizontal	Pass
5	11897.850	51.71	74.0	22.29	Peak	71.00	200	Horizontal	Pass
5**	11897.850	42.88	54.0	11.12	AV	71.00	200	Horizontal	Pass
6	15823.088	53.91	74.0	20.09	Peak	0.00	100	Horizontal	Pass
6**	15823.088	44.98	54.0	9.02	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.800	38.03	74.0	35.97	Peak	174.00	200	Vertical	Pass
1**	1491.800	28.90	54.0	25.10	AV	174.00	200	Vertical	Pass
2	4268.600	49.80	74.0	24.20	Peak	252.00	300	Vertical	Pass
2**	4268.600	39.24	54.0	14.76	AV	252.00	300	Vertical	Pass
3	5223.800	99.63	--	--	Peak	197.00	100	Vertical	N/A
3**	5223.800	90.75	--	--	AV	197.00	100	Vertical	N/A
4	7501.400	49.72	74.0	24.28	Peak	267.00	300	Vertical	Pass
4**	7501.400	41.28	54.0	12.72	AV	267.00	300	Vertical	Pass
5	10924.375	51.07	74.0	22.93	Peak	183.00	150	Vertical	Pass
5**	10924.375	42.92	54.0	11.08	AV	183.00	150	Vertical	Pass
6	15544.838	54.40	74.0	19.60	Peak	16.00	400	Vertical	Pass
6**	15544.838	43.59	54.0	10.41	AV	16.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.300	38.55	74.0	35.45	Peak	332.00	300	Horizontal	Pass
1**	1598.300	28.73	54.0	25.27	AV	332.00	300	Horizontal	Pass
2	4114.600	50.14	74.0	23.86	Peak	138.00	300	Horizontal	Pass
2**	4114.600	41.32	54.0	12.68	AV	138.00	300	Horizontal	Pass
3	5185.800	107.51	--	--	Peak	106.00	150	Horizontal	N/A
3**	5185.800	99.34	--	--	AV	106.00	150	Horizontal	N/A
4	7464.025	49.65	74.0	24.35	Peak	284.00	100	Horizontal	Pass
4**	7464.025	41.84	54.0	12.16	AV	284.00	100	Horizontal	Pass
5	11929.475	51.73	74.0	22.27	Peak	82.00	200	Horizontal	Pass
5**	11929.475	42.27	54.0	11.73	AV	82.00	200	Horizontal	Pass
6	16096.612	54.17	74.0	19.83	Peak	114.00	400	Horizontal	Pass
6**	16096.612	44.14	54.0	9.86	AV	114.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.700	38.22	74.0	35.78	Peak	0.00	300	Vertical	Pass
1**	1495.700	29.14	54.0	24.86	AV	0.00	300	Vertical	Pass
2	4384.000	50.04	74.0	23.96	Peak	318.00	300	Vertical	Pass
2**	4384.000	40.37	54.0	13.63	AV	318.00	300	Vertical	Pass
3	5185.000	100.24	--	--	Peak	183.00	200	Vertical	N/A
3**	5185.000	92.79	--	--	AV	183.00	200	Vertical	N/A
4	7503.413	49.92	74.0	24.08	Peak	14.00	300	Vertical	Pass
4**	7503.413	41.33	54.0	12.67	AV	14.00	300	Vertical	Pass
5	11203.537	51.57	74.0	22.43	Peak	82.00	150	Vertical	Pass
5**	11203.537	42.48	54.0	11.52	AV	82.00	150	Vertical	Pass
6	16088.738	54.87	74.0	19.13	Peak	268.00	200	Vertical	Pass
6**	16088.738	44.55	54.0	9.45	AV	268.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.300	38.46	74.0	35.54	Peak	176.00	300	Horizontal	Pass
1**	1490.300	29.38	54.0	24.62	AV	176.00	300	Horizontal	Pass
2	4368.800	49.54	74.0	24.46	Peak	104.00	200	Horizontal	Pass
2**	4368.800	41.27	54.0	12.73	AV	104.00	200	Horizontal	Pass
3	5218.200	108.64	--	--	Peak	104.00	200	Horizontal	N/A
3**	5218.200	100.41	--	--	AV	104.00	200	Horizontal	N/A
4	7507.438	49.71	74.0	24.29	Peak	284.00	300	Horizontal	Pass
4**	7507.438	40.84	54.0	13.16	AV	284.00	300	Horizontal	Pass
5	11927.750	51.36	74.0	22.64	Peak	166.00	200	Horizontal	Pass
5**	11927.750	42.39	54.0	11.61	AV	166.00	200	Horizontal	Pass
6	15827.812	53.70	74.0	20.30	Peak	56.00	200	Horizontal	Pass
6**	15827.812	45.10	54.0	8.90	AV	56.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1595.600	38.36	74.0	35.64	Peak	261.00	100	Vertical	Pass
1**	1595.600	28.80	54.0	25.20	AV	261.00	100	Vertical	Pass
2	3985.800	50.24	74.0	23.76	Peak	318.00	300	Vertical	Pass
2**	3985.800	39.92	54.0	14.08	AV	318.00	300	Vertical	Pass
3	5223.800	101.23	--	--	Peak	189.00	100	Vertical	N/A
3**	5223.800	94.09	--	--	AV	189.00	100	Vertical	N/A
4	7607.775	50.23	74.0	23.77	Peak	134.00	100	Vertical	Pass
4**	7607.775	39.65	54.0	14.35	AV	134.00	100	Vertical	Pass
5	10918.338	52.15	74.0	21.85	Peak	205.00	150	Vertical	Pass
5**	10918.338	42.59	54.0	11.41	AV	205.00	150	Vertical	Pass
6	15838.312	54.37	74.0	19.63	Peak	49.00	100	Vertical	Pass
6**	15838.312	44.87	54.0	9.13	AV	49.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.500	38.26	74.0	35.74	Peak	236.00	400	Horizontal	Pass
1**	1459.500	29.12	54.0	24.88	AV	236.00	400	Horizontal	Pass
2	4192.200	48.98	74.0	25.02	Peak	187.00	150	Horizontal	Pass
2**	4192.200	44.58	54.0	9.42	AV	187.00	150	Horizontal	Pass
3	5236.400	108.63	--	--	Peak	102.00	200	Horizontal	N/A
3**	5236.400	101.29	--	--	AV	102.00	200	Horizontal	N/A
4	7501.687	49.94	74.0	24.06	Peak	144.00	300	Horizontal	Pass
4**	7501.687	41.41	54.0	12.59	AV	144.00	300	Horizontal	Pass
5	11818.213	51.61	74.0	22.39	Peak	199.00	100	Horizontal	Pass
5**	11818.213	41.35	54.0	12.65	AV	199.00	100	Horizontal	Pass
6	15827.025	54.59	74.0	19.41	Peak	191.00	100	Horizontal	Pass
6**	15827.025	45.14	54.0	8.86	AV	191.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.500	38.46	74.0	35.54	Peak	209.00	200	Vertical	Pass
1**	1599.500	28.73	54.0	25.27	AV	209.00	200	Vertical	Pass
2	4163.200	50.08	74.0	23.92	Peak	232.00	200	Vertical	Pass
2**	4163.200	40.24	54.0	13.76	AV	232.00	200	Vertical	Pass
3	5247.200	101.75	--	--	Peak	60.00	200	Vertical	N/A
3**	5247.200	93.82	--	--	AV	60.00	200	Vertical	N/A
4	7448.787	49.73	74.0	24.27	Peak	137.00	300	Vertical	Pass
4**	7448.787	40.52	54.0	13.48	AV	137.00	300	Vertical	Pass
5	11758.987	51.46	74.0	22.54	Peak	87.00	100	Vertical	Pass
5**	11758.987	41.74	54.0	12.26	AV	87.00	100	Vertical	Pass
6	16095.563	53.65	74.0	20.35	Peak	122.00	300	Vertical	Pass
6**	16095.563	44.37	54.0	9.63	AV	122.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.300	38.64	74.0	35.36	Peak	177.00	100	Horizontal	Pass
1**	1562.300	28.74	54.0	25.26	AV	177.00	100	Horizontal	Pass
2	3994.000	49.46	74.0	24.54	Peak	36.00	200	Horizontal	Pass
2**	3994.000	40.63	54.0	13.37	AV	36.00	200	Horizontal	Pass
3	5202.800	104.10	--	--	Peak	103.00	150	Horizontal	N/A
3**	5202.800	97.17	--	--	AV	103.00	150	Horizontal	N/A
4	7519.225	50.20	74.0	23.80	Peak	279.00	300	Horizontal	Pass
4**	7519.225	40.33	54.0	13.67	AV	279.00	300	Horizontal	Pass
5	11816.200	51.44	74.0	22.56	Peak	68.00	200	Horizontal	Pass
5**	11816.200	42.20	54.0	11.80	AV	68.00	200	Horizontal	Pass
6	15524.362	54.11	74.0	19.89	Peak	263.00	300	Horizontal	Pass
6**	15524.362	44.40	54.0	9.60	AV	263.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.700	38.13	74.0	35.87	Peak	285.00	200	Vertical	Pass
1**	1503.700	28.70	54.0	25.30	AV	285.00	200	Vertical	Pass
2	4175.600	49.98	74.0	24.02	Peak	0.00	100	Vertical	Pass
2**	4175.600	40.24	54.0	13.76	AV	0.00	100	Vertical	Pass
3	5202.800	96.14	--	--	Peak	31.00	200	Vertical	N/A
3**	5202.800	88.53	--	--	AV	31.00	200	Vertical	N/A
4	7379.788	49.86	74.0	24.14	Peak	85.00	200	Vertical	Pass
4**	7379.788	40.64	54.0	13.36	AV	85.00	200	Vertical	Pass
5	12511.088	51.10	74.0	22.90	Peak	360.00	100	Vertical	Pass
5**	12511.088	41.34	54.0	12.66	AV	360.00	100	Vertical	Pass
6	15973.238	54.36	74.0	19.64	Peak	206.00	100	Vertical	Pass
6**	15973.238	43.59	54.0	10.41	AV	206.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.800	38.28	74.0	35.72	Peak	49.00	100	Horizontal	Pass
1**	1449.800	28.02	54.0	25.98	AV	49.00	100	Horizontal	Pass
2	3970.600	50.20	74.0	23.80	Peak	316.00	300	Horizontal	Pass
2**	3970.600	39.20	54.0	14.80	AV	316.00	300	Horizontal	Pass
3	5224.000	107.09	--	--	Peak	98.00	150	Horizontal	N/A
3**	5224.000	97.84	--	--	AV	98.00	150	Horizontal	N/A
4	7333.500	49.88	74.0	24.12	Peak	308.00	300	Horizontal	Pass
4**	7333.500	41.04	54.0	12.96	AV	308.00	300	Horizontal	Pass
5	11822.812	51.91	74.0	22.09	Peak	221.00	200	Horizontal	Pass
5**	11822.812	42.80	54.0	11.20	AV	221.00	200	Horizontal	Pass
6	15814.425	54.10	74.0	19.90	Peak	270.00	100	Horizontal	Pass
6**	15814.425	45.10	54.0	8.90	AV	270.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.000	38.86	74.0	35.14	Peak	167.00	300	Vertical	Pass
1**	1469.000	29.14	54.0	24.86	AV	167.00	300	Vertical	Pass
2	4227.200	50.23	74.0	23.77	Peak	163.00	300	Vertical	Pass
2**	4227.200	40.11	54.0	13.89	AV	163.00	300	Vertical	Pass
3	5227.800	99.05	--	--	Peak	186.00	150	Vertical	N/A
3**	5227.800	91.81	--	--	AV	186.00	150	Vertical	N/A
4	7482.425	50.21	74.0	23.79	Peak	183.00	400	Vertical	Pass
4**	7482.425	39.55	54.0	14.45	AV	183.00	400	Vertical	Pass
5	11827.412	51.68	74.0	22.32	Peak	360.00	100	Vertical	Pass
5**	11827.412	42.19	54.0	11.81	AV	360.00	100	Vertical	Pass
6	16136.250	54.11	74.0	19.89	Peak	71.00	200	Vertical	Pass
6**	16136.250	44.40	54.0	9.60	AV	71.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.400	38.58	74.0	35.42	Peak	35.00	300	Horizontal	Pass
1**	1460.400	28.51	54.0	25.49	AV	35.00	300	Horizontal	Pass
2	4109.400	49.37	74.0	24.63	Peak	263.00	200	Horizontal	Pass
2**	4109.400	40.89	54.0	13.11	AV	263.00	200	Horizontal	Pass
3	5224.600	100.06	--	--	Peak	95.00	200	Horizontal	N/A
3**	5224.600	92.12	--	--	AV	95.00	200	Horizontal	N/A
4	7564.075	49.67	74.0	24.33	Peak	360.00	300	Horizontal	Pass
4**	7564.075	39.66	54.0	14.34	AV	360.00	300	Horizontal	Pass
5	11331.763	52.11	74.0	21.89	Peak	116.00	100	Horizontal	Pass
5**	11331.763	42.55	54.0	11.45	AV	116.00	100	Horizontal	Pass
6	15572.400	54.03	74.0	19.97	Peak	0.00	400	Horizontal	Pass
6**	15572.400	44.66	54.0	9.34	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.700	38.29	74.0	35.71	Peak	188.00	200	Vertical	Pass
1**	1584.700	28.82	54.0	25.18	AV	188.00	200	Vertical	Pass
2	4382.200	49.73	74.0	24.27	Peak	123.00	100	Vertical	Pass
2**	4382.200	41.17	54.0	12.83	AV	123.00	100	Vertical	Pass
3	5226.000	93.51	--	--	Peak	195.00	150	Vertical	N/A
3**	5226.000	85.36	--	--	AV	195.00	150	Vertical	N/A
4	7455.975	49.74	74.0	24.26	Peak	296.00	400	Vertical	Pass
4**	7455.975	40.39	54.0	13.61	AV	296.00	400	Vertical	Pass
5	11830.575	51.42	74.0	22.58	Peak	360.00	150	Vertical	Pass
5**	11830.575	41.99	54.0	12.01	AV	360.00	150	Vertical	Pass
6	15816.526	53.96	74.0	20.04	Peak	148.00	300	Vertical	Pass
6**	15816.526	44.53	54.0	9.47	AV	148.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.300	37.97	74.0	36.03	Peak	358.00	100	Horizontal	Pass
1**	1585.300	29.31	54.0	24.69	AV	358.00	100	Horizontal	Pass
2	4208.200	49.18	74.0	24.82	Peak	107.00	150	Horizontal	Pass
2**	4208.200	48.76	54.0	5.24	AV	107.00	150	Horizontal	Pass
3	5257.000	110.79	--	--	Peak	96.00	100	Horizontal	N/A
3**	5257.000	103.34	--	--	AV	96.00	100	Horizontal	N/A
4	7505.425	50.56	74.0	23.44	Peak	131.00	400	Horizontal	Pass
4**	7505.425	41.49	54.0	12.51	AV	131.00	400	Horizontal	Pass
5	11339.525	51.26	74.0	22.74	Peak	334.00	200	Horizontal	Pass
5**	11339.525	42.02	54.0	11.98	AV	334.00	200	Horizontal	Pass
6	15564.787	53.62	74.0	20.38	Peak	93.00	300	Horizontal	Pass
6**	15564.787	45.68	54.0	8.32	AV	93.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.800	38.30	74.0	35.70	Peak	198.00	300	Vertical	Pass
1**	1555.800	29.54	54.0	24.46	AV	198.00	300	Vertical	Pass
2	4309.000	49.53	74.0	24.47	Peak	342.00	200	Vertical	Pass
2**	4309.000	40.61	54.0	13.39	AV	342.00	200	Vertical	Pass
3	5252.800	103.70	--	--	Peak	17.00	200	Vertical	N/A
3**	5252.800	95.73	--	--	AV	17.00	200	Vertical	N/A
4	7554.588	49.63	74.0	24.37	Peak	251.00	200	Vertical	Pass
4**	7554.588	40.64	54.0	13.36	AV	251.00	200	Vertical	Pass
5	11332.625	51.95	74.0	22.05	Peak	360.00	100	Vertical	Pass
5**	11332.625	41.87	54.0	12.13	AV	360.00	100	Vertical	Pass
6	16017.599	53.94	74.0	20.06	Peak	76.00	200	Vertical	Pass
6**	16017.599	44.19	54.0	9.81	AV	76.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.500	38.47	74.0	35.53	Peak	17.00	100	Horizontal	Pass
1**	1488.500	29.49	54.0	24.51	AV	17.00	100	Horizontal	Pass
2	4240.400	49.07	74.0	24.93	Peak	107.00	150	Horizontal	Pass
2**	4240.400	44.98	54.0	9.02	AV	107.00	150	Horizontal	Pass
3	5297.400	109.66	--	--	Peak	96.00	100	Horizontal	N/A
3**	5297.400	102.27	--	--	AV	96.00	100	Horizontal	N/A
4	7616.400	49.99	74.0	24.01	Peak	343.00	300	Horizontal	Pass
4**	7616.400	41.18	54.0	12.82	AV	343.00	300	Horizontal	Pass
5	10929.838	52.30	74.0	21.70	Peak	325.00	200	Horizontal	Pass
5**	10929.838	42.47	54.0	11.53	AV	325.00	200	Horizontal	Pass
6	15522.787	54.58	74.0	19.42	Peak	213.00	200	Horizontal	Pass
6**	15522.787	44.91	54.0	9.09	AV	213.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	38.16	74.0	35.84	Peak	29.00	200	Vertical	Pass
1**	1490.900	29.36	54.0	24.64	AV	29.00	200	Vertical	Pass
2	4381.600	50.03	74.0	23.97	Peak	253.00	100	Vertical	Pass
2**	4381.600	40.46	54.0	13.54	AV	253.00	100	Vertical	Pass
3	5305.800	103.11	--	--	Peak	62.00	150	Vertical	N/A
3**	5305.800	95.88	--	--	AV	62.00	150	Vertical	N/A
4	7502.837	49.37	74.0	24.63	Peak	354.00	300	Vertical	Pass
4**	7502.837	41.35	54.0	12.65	AV	354.00	300	Vertical	Pass
5	11930.912	51.60	74.0	22.40	Peak	286.00	150	Vertical	Pass
5**	11930.912	42.50	54.0	11.50	AV	286.00	150	Vertical	Pass
6	15816.787	53.97	74.0	20.03	Peak	133.00	400	Vertical	Pass
6**	15816.787	44.78	54.0	9.22	AV	133.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.300	38.23	74.0	35.77	Peak	305.00	200	Horizontal	Pass
1**	1562.300	29.04	54.0	24.96	AV	305.00	200	Horizontal	Pass
2	4143.800	50.17	74.0	23.83	Peak	298.00	300	Horizontal	Pass
2**	4143.800	39.91	54.0	14.09	AV	298.00	300	Horizontal	Pass
3	5312.800	107.84	--	--	Peak	98.00	200	Horizontal	N/A
3**	5312.800	100.73	--	--	AV	98.00	200	Horizontal	N/A
4	7525.837	49.52	74.0	24.48	Peak	0.00	200	Horizontal	Pass
4**	7525.837	40.11	54.0	13.89	AV	0.00	200	Horizontal	Pass
5	10921.787	52.00	74.0	22.00	Peak	282.00	150	Horizontal	Pass
5**	10921.787	43.14	54.0	10.86	AV	282.00	150	Horizontal	Pass
6	16182.713	54.43	74.0	19.57	Peak	0.00	300	Horizontal	Pass
6**	16182.713	44.26	54.0	9.74	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.900	38.65	74.0	35.35	Peak	181.00	200	Vertical	Pass
1**	1525.900	29.02	54.0	24.98	AV	181.00	200	Vertical	Pass
2	4328.000	49.61	74.0	24.39	Peak	114.00	200	Vertical	Pass
2**	4328.000	39.86	54.0	14.14	AV	114.00	200	Vertical	Pass
3	5313.000	101.30	--	--	Peak	58.00	100	Vertical	N/A
3**	5313.000	93.83	--	--	AV	58.00	100	Vertical	N/A
4	7457.125	50.56	74.0	23.44	Peak	351.00	400	Vertical	Pass
4**	7457.125	40.16	54.0	13.84	AV	351.00	400	Vertical	Pass
5	11771.350	52.10	74.0	21.90	Peak	13.00	150	Vertical	Pass
5**	11771.350	43.24	54.0	10.76	AV	13.00	150	Vertical	Pass
6	15817.312	53.94	74.0	20.06	Peak	360.00	400	Vertical	Pass
6**	15817.312	44.97	54.0	9.03	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.400	38.15	74.0	35.85	Peak	226.00	400	Horizontal	Pass
1**	1440.400	28.78	54.0	25.22	AV	226.00	400	Horizontal	Pass
2	4208.400	48.87	74.0	25.13	Peak	114.00	150	Horizontal	Pass
2**	4208.400	45.46	54.0	8.54	AV	114.00	150	Horizontal	Pass
3	5257.000	109.32	--	--	Peak	91.00	100	Horizontal	N/A
3**	5257.000	102.21	--	--	AV	91.00	100	Horizontal	N/A
4	7449.362	49.43	74.0	24.57	Peak	82.00	100	Horizontal	Pass
4**	7449.362	40.14	54.0	13.86	AV	82.00	100	Horizontal	Pass
5	11331.188	51.09	74.0	22.91	Peak	134.00	200	Horizontal	Pass
5**	11331.188	42.16	54.0	11.84	AV	134.00	200	Horizontal	Pass
6	15867.975	54.18	74.0	19.82	Peak	23.00	300	Horizontal	Pass
6**	15867.975	44.38	54.0	9.62	AV	23.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.000	39.06	74.0	34.94	Peak	17.00	300	Vertical	Pass
1**	1596.000	29.26	54.0	24.74	AV	17.00	300	Vertical	Pass
2	3945.200	49.57	74.0	24.43	Peak	132.00	100	Vertical	Pass
2**	3945.200	40.78	54.0	13.22	AV	132.00	100	Vertical	Pass
3	5258.400	102.86	--	--	Peak	217.00	150	Vertical	N/A
3**	5258.400	95.09	--	--	AV	217.00	150	Vertical	N/A
4	7549.125	49.76	74.0	24.24	Peak	257.00	100	Vertical	Pass
4**	7549.125	40.42	54.0	13.58	AV	257.00	100	Vertical	Pass
5	11311.350	51.34	74.0	22.66	Peak	50.00	150	Vertical	Pass
5**	11311.350	41.43	54.0	12.57	AV	50.00	150	Vertical	Pass
6	15521.738	53.84	74.0	20.16	Peak	111.00	100	Vertical	Pass
6**	15521.738	44.13	54.0	9.87	AV	111.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.300	38.16	74.0	35.84	Peak	199.00	400	Horizontal	Pass
1**	1557.300	30.16	54.0	23.84	AV	199.00	400	Horizontal	Pass
2	4240.400	48.13	74.0	25.87	Peak	216.00	150	Horizontal	Pass
2**	4240.400	44.30	54.0	9.70	AV	216.00	150	Horizontal	Pass
3	5303.400	109.26	--	--	Peak	102.00	100	Horizontal	N/A
3**	5303.400	102.15	--	--	AV	102.00	100	Horizontal	N/A
4	7532.163	49.87	74.0	24.13	Peak	301.00	200	Horizontal	Pass
4**	7532.163	40.45	54.0	13.55	AV	301.00	200	Horizontal	Pass
5	10918.625	52.03	74.0	21.97	Peak	318.00	100	Horizontal	Pass
5**	10918.625	42.87	54.0	11.13	AV	318.00	100	Horizontal	Pass
6	15982.162	53.91	74.0	20.09	Peak	0.00	100	Horizontal	Pass
6**	15982.162	43.87	54.0	10.13	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.700	38.58	74.0	35.42	Peak	69.00	100	Vertical	Pass
1**	1478.700	28.58	54.0	25.42	AV	69.00	100	Vertical	Pass
2	4163.400	50.01	74.0	23.99	Peak	153.00	300	Vertical	Pass
2**	4163.400	40.66	54.0	13.34	AV	153.00	300	Vertical	Pass
3	5292.000	102.70	--	--	Peak	62.00	200	Vertical	N/A
3**	5292.000	93.53	--	--	AV	62.00	200	Vertical	N/A
4	7510.888	50.13	74.0	23.87	Peak	0.00	200	Vertical	Pass
4**	7510.888	41.25	54.0	12.75	AV	0.00	200	Vertical	Pass
5	11787.450	51.51	74.0	22.49	Peak	0.00	150	Vertical	Pass
5**	11787.450	43.47	54.0	10.53	AV	0.00	150	Vertical	Pass
6	15821.250	54.75	74.0	19.25	Peak	228.00	400	Vertical	Pass
6**	15821.250	46.16	54.0	7.84	AV	228.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.400	38.65	74.0	35.35	Peak	311.00	200	Horizontal	Pass
1**	1599.400	28.89	54.0	25.11	AV	311.00	200	Horizontal	Pass
2	4256.400	47.87	74.0	26.13	Peak	84.00	150	Horizontal	Pass
2**	4256.400	43.74	54.0	10.26	AV	84.00	150	Horizontal	Pass
3	5323.800	107.27	--	--	Peak	94.00	150	Horizontal	N/A
3**	5323.800	99.31	--	--	AV	94.00	150	Horizontal	N/A
4	7452.237	49.78	74.0	24.22	Peak	115.00	400	Horizontal	Pass
4**	7452.237	40.86	54.0	13.14	AV	115.00	400	Horizontal	Pass
5	11945.000	51.17	74.0	22.83	Peak	115.00	150	Horizontal	Pass
5**	11945.000	42.22	54.0	11.78	AV	115.00	150	Horizontal	Pass
6	15820.987	53.59	74.0	20.41	Peak	130.00	100	Horizontal	Pass
6**	15820.987	45.63	54.0	8.37	AV	130.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1519.900	38.62	74.0	35.38	Peak	345.00	300	Vertical	Pass
1**	1519.900	28.32	54.0	25.68	AV	345.00	300	Vertical	Pass
2	4102.200	49.69	74.0	24.31	Peak	173.00	200	Vertical	Pass
2**	4102.200	40.55	54.0	13.45	AV	173.00	200	Vertical	Pass
3	5314.600	100.99	--	--	Peak	207.00	150	Vertical	N/A
3**	5314.600	93.06	--	--	AV	207.00	150	Vertical	N/A
4	7503.413	49.84	74.0	24.16	Peak	331.00	100	Vertical	Pass
4**	7503.413	41.40	54.0	12.60	AV	331.00	100	Vertical	Pass
5	10930.700	51.39	74.0	22.61	Peak	279.00	150	Vertical	Pass
5**	10930.700	41.82	54.0	12.18	AV	279.00	150	Vertical	Pass
6	15645.112	53.75	74.0	20.25	Peak	36.00	400	Vertical	Pass
6**	15645.112	44.12	54.0	9.88	AV	36.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1477.600	38.68	74.0	35.32	Peak	201.00	400	Horizontal	Pass
1**	1477.600	28.72	54.0	25.28	AV	201.00	400	Horizontal	Pass
2	4216.000	49.23	74.0	24.77	Peak	83.00	150	Horizontal	Pass
2**	4216.000	44.94	54.0	9.06	AV	83.00	150	Horizontal	Pass
3	5264.200	105.96	--	--	Peak	105.00	100	Horizontal	N/A
3**	5264.200	98.35	--	--	AV	105.00	100	Horizontal	N/A
4	7438.437	49.75	74.0	24.25	Peak	149.00	300	Horizontal	Pass
4**	7438.437	39.98	54.0	14.02	AV	149.00	300	Horizontal	Pass
5	10918.338	51.66	74.0	22.34	Peak	219.00	200	Horizontal	Pass
5**	10918.338	42.62	54.0	11.38	AV	219.00	200	Horizontal	Pass
6	15567.938	54.23	74.0	19.77	Peak	266.00	300	Horizontal	Pass
6**	15567.938	44.91	54.0	9.09	AV	266.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.500	38.01	74.0	35.99	Peak	284.00	300	Vertical	Pass
1**	1551.500	28.76	54.0	25.24	AV	284.00	300	Vertical	Pass
2	4222.800	50.16	74.0	23.84	Peak	206.00	200	Vertical	Pass
2**	4222.800	39.98	54.0	14.02	AV	206.00	200	Vertical	Pass
3	5274.400	98.48	--	--	Peak	59.00	100	Vertical	N/A
3**	5274.400	90.61	--	--	AV	59.00	100	Vertical	N/A
4	7554.300	49.77	74.0	24.23	Peak	254.00	200	Vertical	Pass
4**	7554.300	40.45	54.0	13.55	AV	254.00	200	Vertical	Pass
5	10920.925	52.35	74.0	21.65	Peak	0.00	100	Vertical	Pass
5**	10920.925	42.50	54.0	11.50	AV	0.00	100	Vertical	Pass
6	15540.375	54.10	74.0	19.90	Peak	228.00	200	Vertical	Pass
6**	15540.375	43.99	54.0	10.01	AV	228.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.400	38.37	74.0	35.63	Peak	82.00	200	Horizontal	Pass
1**	1450.400	29.42	54.0	24.58	AV	82.00	200	Horizontal	Pass
2	3991.000	49.45	74.0	24.55	Peak	49.00	400	Horizontal	Pass
2**	3991.000	41.62	54.0	12.38	AV	49.00	400	Horizontal	Pass
3	5323.400	104.53	--	--	Peak	71.00	200	Horizontal	N/A
3**	5323.400	96.91	--	--	AV	71.00	200	Horizontal	N/A
4	7501.687	49.28	74.0	24.72	Peak	99.00	400	Horizontal	Pass
4**	7501.687	41.08	54.0	12.92	AV	99.00	400	Horizontal	Pass
5	11819.076	51.32	74.0	22.68	Peak	319.00	150	Horizontal	Pass
5**	11819.076	42.05	54.0	11.95	AV	319.00	150	Horizontal	Pass
6	15833.588	53.80	74.0	20.20	Peak	131.00	100	Horizontal	Pass
6**	15833.588	45.40	54.0	8.60	AV	131.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.700	38.20	74.0	35.80	Peak	251.00	100	Vertical	Pass
1**	1518.700	29.28	54.0	24.72	AV	251.00	100	Vertical	Pass
2	4187.800	49.82	74.0	24.18	Peak	107.00	100	Vertical	Pass
2**	4187.800	40.83	54.0	13.17	AV	107.00	100	Vertical	Pass
3	5323.200	97.25	--	--	Peak	50.00	200	Vertical	N/A
3**	5323.200	89.29	--	--	AV	50.00	200	Vertical	N/A
4	7502.550	49.91	74.0	24.09	Peak	263.00	400	Vertical	Pass
4**	7502.550	41.45	54.0	12.55	AV	263.00	400	Vertical	Pass
5	12581.238	51.81	74.0	22.19	Peak	13.00	150	Vertical	Pass
5**	12581.238	40.80	54.0	13.20	AV	13.00	150	Vertical	Pass
6	16088.475	54.05	74.0	19.95	Peak	360.00	400	Vertical	Pass
6**	16088.475	45.25	54.0	8.75	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.400	38.52	74.0	35.48	Peak	250.00	100	Horizontal	Pass
1**	1496.400	28.52	54.0	25.48	AV	250.00	100	Horizontal	Pass
2	4208.000	50.52	74.0	23.48	Peak	262.00	150	Horizontal	Pass
2**	4208.000	44.43	54.0	9.57	AV	262.00	150	Horizontal	Pass
3	5261.400	109.27	--	--	Peak	102.00	100	Horizontal	N/A
3**	5261.400	101.79	--	--	AV	102.00	100	Horizontal	N/A
4	7590.525	50.51	74.0	23.49	Peak	150.00	400	Horizontal	Pass
4**	7590.525	39.76	54.0	14.24	AV	150.00	400	Horizontal	Pass
5	10926.963	52.16	74.0	21.84	Peak	116.00	200	Horizontal	Pass
5**	10926.963	42.16	54.0	11.84	AV	116.00	200	Horizontal	Pass
6	16097.138	53.94	74.0	20.06	Peak	305.00	400	Horizontal	Pass
6**	16097.138	44.22	54.0	9.78	AV	305.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.300	38.35	74.0	35.65	Peak	145.00	300	Vertical	Pass
1**	1599.300	28.75	54.0	25.25	AV	145.00	300	Vertical	Pass
2	4002.400	49.87	74.0	24.13	Peak	318.00	300	Vertical	Pass
2**	4002.400	39.91	54.0	14.09	AV	318.00	300	Vertical	Pass
3	5255.600	101.93	--	--	Peak	229.00	100	Vertical	N/A
3**	5255.600	94.59	--	--	AV	229.00	100	Vertical	N/A
4	7602.888	49.94	74.0	24.06	Peak	231.00	200	Vertical	Pass
4**	7602.888	40.45	54.0	13.55	AV	231.00	200	Vertical	Pass
5	10927.250	51.55	74.0	22.45	Peak	181.00	100	Vertical	Pass
5**	10927.250	42.67	54.0	11.33	AV	181.00	100	Vertical	Pass
6	15652.200	53.73	74.0	20.27	Peak	0.00	300	Vertical	Pass
6**	15652.200	45.92	54.0	8.08	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.000	38.03	74.0	35.97	Peak	329.00	100	Horizontal	Pass
1**	1468.000	28.15	54.0	25.85	AV	329.00	100	Horizontal	Pass
2	4240.200	50.33	74.0	23.67	Peak	171.00	150	Horizontal	Pass
2**	4240.200	45.10	54.0	8.90	AV	171.00	150	Horizontal	Pass
3	5304.600	108.70	--	--	Peak	102.00	150	Horizontal	N/A
3**	5304.600	100.70	--	--	AV	102.00	150	Horizontal	N/A
4	7593.400	49.93	74.0	24.07	Peak	167.00	200	Horizontal	Pass
4**	7593.400	40.31	54.0	13.69	AV	167.00	200	Horizontal	Pass
5	11820.225	51.09	74.0	22.91	Peak	352.00	150	Horizontal	Pass
5**	11820.225	43.22	54.0	10.78	AV	352.00	150	Horizontal	Pass
6	16096.874	54.06	74.0	19.94	Peak	189.00	300	Horizontal	Pass
6**	16096.874	45.33	54.0	8.67	AV	189.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.300	38.24	74.0	35.76	Peak	360.00	100	Vertical	Pass
1**	1552.300	28.62	54.0	25.38	AV	360.00	100	Vertical	Pass
2	4136.800	49.58	74.0	24.42	Peak	264.00	200	Vertical	Pass
2**	4136.800	40.23	54.0	13.77	AV	264.00	200	Vertical	Pass
3	5305.400	101.66	--	--	Peak	61.00	100	Vertical	N/A
3**	5305.400	93.58	--	--	AV	61.00	100	Vertical	N/A
4	7482.138	49.70	74.0	24.30	Peak	49.00	100	Vertical	Pass
4**	7482.138	40.29	54.0	13.71	AV	49.00	100	Vertical	Pass
5	11334.062	51.79	74.0	22.21	Peak	150.00	100	Vertical	Pass
5**	11334.062	42.68	54.0	11.32	AV	150.00	100	Vertical	Pass
6	15817.575	54.36	74.0	19.64	Peak	15.00	200	Vertical	Pass
6**	15817.575	45.19	54.0	8.81	AV	15.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.300	38.10	74.0	35.90	Peak	176.00	300	Horizontal	Pass
1**	1488.300	29.38	54.0	24.62	AV	176.00	300	Horizontal	Pass
2	4380.600	49.51	74.0	24.49	Peak	163.00	300	Horizontal	Pass
2**	4380.600	41.13	54.0	12.87	AV	163.00	300	Horizontal	Pass
3	5315.400	107.62	--	--	Peak	94.00	150	Horizontal	N/A
3**	5315.400	99.80	--	--	AV	94.00	150	Horizontal	N/A
4	7547.112	49.58	74.0	24.42	Peak	32.00	400	Horizontal	Pass
4**	7547.112	40.60	54.0	13.40	AV	32.00	400	Horizontal	Pass
5	11942.412	51.75	74.0	22.25	Peak	32.00	200	Horizontal	Pass
5**	11942.412	43.09	54.0	10.91	AV	32.00	200	Horizontal	Pass
6	15512.287	53.82	74.0	20.18	Peak	111.00	400	Horizontal	Pass
6**	15512.287	45.37	54.0	8.63	AV	111.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.100	39.21	74.0	34.79	Peak	131.00	200	Vertical	Pass
1**	1546.100	28.41	54.0	25.59	AV	131.00	200	Vertical	Pass
2	4090.000	49.78	74.0	24.22	Peak	83.00	400	Vertical	Pass
2**	4090.000	40.41	54.0	13.59	AV	83.00	400	Vertical	Pass
3	5323.600	99.59	--	--	Peak	61.00	100	Vertical	N/A
3**	5323.600	92.36	--	--	AV	61.00	100	Vertical	N/A
4	7576.437	49.51	74.0	24.49	Peak	164.00	400	Vertical	Pass
4**	7576.437	40.26	54.0	13.74	AV	164.00	400	Vertical	Pass
5	12323.637	51.61	74.0	22.39	Peak	360.00	100	Vertical	Pass
5**	12323.637	41.40	54.0	12.60	AV	360.00	100	Vertical	Pass
6	16106.325	54.00	74.0	20.00	Peak	132.00	400	Vertical	Pass
6**	16106.325	44.52	54.0	9.48	AV	132.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.400	38.22	74.0	35.78	Peak	30.00	100	Horizontal	Pass
1**	1459.400	28.51	54.0	25.49	AV	30.00	100	Horizontal	Pass
2	4216.200	48.50	74.0	25.50	Peak	161.00	150	Horizontal	Pass
2**	4216.200	45.26	54.0	8.74	AV	161.00	150	Horizontal	Pass
3	5259.600	106.77	--	--	Peak	71.00	150	Horizontal	N/A
3**	5259.600	97.51	--	--	AV	71.00	150	Horizontal	N/A
4	7446.488	50.11	74.0	23.89	Peak	64.00	300	Horizontal	Pass
4**	7446.488	41.30	54.0	12.70	AV	64.00	300	Horizontal	Pass
5	10916.325	51.75	74.0	22.25	Peak	360.00	200	Horizontal	Pass
5**	10916.325	41.72	54.0	12.28	AV	360.00	200	Horizontal	Pass
6	15820.724	54.07	74.0	19.93	Peak	174.00	400	Horizontal	Pass
6**	15820.724	44.54	54.0	9.46	AV	174.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.700	38.29	74.0	35.71	Peak	236.00	300	Vertical	Pass
1**	1487.700	29.86	54.0	24.14	AV	236.00	300	Vertical	Pass
2	4063.200	49.45	74.0	24.55	Peak	352.00	100	Vertical	Pass
2**	4063.200	40.36	54.0	13.64	AV	352.00	100	Vertical	Pass
3	5262.800	99.70	--	--	Peak	196.00	100	Vertical	N/A
3**	5262.800	90.77	--	--	AV	196.00	100	Vertical	N/A
4	7598.287	50.20	74.0	23.80	Peak	0.00	200	Vertical	Pass
4**	7598.287	40.54	54.0	13.46	AV	0.00	200	Vertical	Pass
5	10922.937	51.51	74.0	22.49	Peak	0.00	200	Vertical	Pass
5**	10922.937	42.67	54.0	11.33	AV	0.00	200	Vertical	Pass
6	15833.850	53.71	74.0	20.29	Peak	231.00	100	Vertical	Pass
6**	15833.850	44.80	54.0	9.20	AV	231.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.400	38.20	74.0	35.80	Peak	288.00	300	Horizontal	Pass
1**	1486.400	29.51	54.0	24.49	AV	288.00	300	Horizontal	Pass
2	4216.000	48.40	74.0	25.60	Peak	107.00	150	Horizontal	Pass
2**	4216.000	45.16	54.0	8.84	AV	107.00	150	Horizontal	Pass
3	5258.800	106.53	--	--	Peak	96.00	150	Horizontal	N/A
3**	5258.800	98.26	--	--	AV	96.00	150	Horizontal	N/A
4	7453.388	49.85	74.0	24.15	Peak	98.00	300	Horizontal	Pass
4**	7453.388	40.80	54.0	13.20	AV	98.00	300	Horizontal	Pass
5	11893.250	52.00	74.0	22.00	Peak	98.00	150	Horizontal	Pass
5**	11893.250	42.48	54.0	11.52	AV	98.00	150	Horizontal	Pass
6	15829.650	53.54	74.0	20.46	Peak	225.00	200	Horizontal	Pass
6**	15829.650	44.55	54.0	9.45	AV	225.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.800	38.29	74.0	35.71	Peak	322.00	300	Vertical	Pass
1**	1623.800	28.99	54.0	25.01	AV	322.00	300	Vertical	Pass
2	4381.000	49.86	74.0	24.14	Peak	254.00	100	Vertical	Pass
2**	4381.000	40.76	54.0	13.24	AV	254.00	100	Vertical	Pass
3	5273.200	99.69	--	--	Peak	53.00	200	Vertical	N/A
3**	5273.200	90.84	--	--	AV	53.00	200	Vertical	N/A
4	7445.913	49.43	74.0	24.57	Peak	119.00	200	Vertical	Pass
4**	7445.913	40.83	54.0	13.17	AV	119.00	200	Vertical	Pass
5	10927.537	51.45	74.0	22.55	Peak	119.00	200	Vertical	Pass
5**	10927.537	42.03	54.0	11.97	AV	119.00	200	Vertical	Pass
6	16095.037	53.98	74.0	20.02	Peak	94.00	400	Vertical	Pass
6**	16095.037	44.48	54.0	9.52	AV	94.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.900	38.49	74.0	35.51	Peak	262.00	400	Horizontal	Pass
1**	1521.900	28.76	54.0	25.24	AV	262.00	400	Horizontal	Pass
2	4232.000	49.84	74.0	24.16	Peak	103.00	150	Horizontal	Pass
2**	4232.000	43.70	54.0	10.30	AV	103.00	150	Horizontal	Pass
3	5274.000	100.49	--	--	Peak	69.00	100	Horizontal	N/A
3**	5274.000	92.71	--	--	AV	69.00	100	Horizontal	N/A
4	7555.450	49.82	74.0	24.18	Peak	132.00	100	Horizontal	Pass
4**	7555.450	40.26	54.0	13.74	AV	132.00	100	Horizontal	Pass
5	10927.250	51.14	74.0	22.86	Peak	98.00	100	Horizontal	Pass
5**	10927.250	42.74	54.0	11.26	AV	98.00	100	Horizontal	Pass
6	15830.963	54.92	74.0	19.08	Peak	153.00	100	Horizontal	Pass
6**	15830.963	45.72	54.0	8.28	AV	153.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.300	38.94	74.0	35.06	Peak	108.00	200	Vertical	Pass
1**	1514.300	29.37	54.0	24.63	AV	108.00	200	Vertical	Pass
2	4171.000	50.01	74.0	23.99	Peak	129.00	400	Vertical	Pass
2**	4171.000	39.13	54.0	14.87	AV	129.00	400	Vertical	Pass
3	5309.400	93.20	--	--	Peak	230.00	150	Vertical	N/A
3**	5309.400	85.38	--	--	AV	230.00	150	Vertical	N/A
4	7617.550	50.11	74.0	23.89	Peak	131.00	100	Vertical	Pass
4**	7617.550	40.57	54.0	13.43	AV	131.00	100	Vertical	Pass
5	11769.338	51.73	74.0	22.27	Peak	148.00	100	Vertical	Pass
5**	11769.338	43.15	54.0	10.85	AV	148.00	100	Vertical	Pass
6	15829.125	54.27	74.0	19.73	Peak	19.00	400	Vertical	Pass
6**	15829.125	44.87	54.0	9.13	AV	19.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.300	38.61	74.0	35.39	Peak	288.00	200	Horizontal	Pass
1**	1559.300	28.85	54.0	25.15	AV	288.00	200	Horizontal	Pass
2	4377.600	49.74	74.0	24.26	Peak	105.00	300	Horizontal	Pass
2**	4377.600	40.20	54.0	13.80	AV	105.00	300	Horizontal	Pass
3	5506.600	105.05	--	--	Peak	94.00	200	Horizontal	N/A
3**	5506.600	96.92	--	--	AV	94.00	200	Horizontal	N/A
4	7502.263	49.69	74.0	24.31	Peak	300.00	200	Horizontal	Pass
4**	7502.263	40.97	54.0	13.03	AV	300.00	200	Horizontal	Pass
5	11930.625	51.61	74.0	22.39	Peak	183.00	200	Horizontal	Pass
5**	11930.625	42.32	54.0	11.68	AV	183.00	200	Horizontal	Pass
6	15967.462	54.61	74.0	19.39	Peak	287.00	100	Horizontal	Pass
6**	15967.462	44.59	54.0	9.41	AV	287.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.000	38.85	74.0	35.15	Peak	143.00	100	Vertical	Pass
1**	1500.000	29.05	54.0	24.95	AV	143.00	100	Vertical	Pass
2	4309.000	50.02	74.0	23.98	Peak	0.00	100	Vertical	Pass
2**	4309.000	39.89	54.0	14.11	AV	0.00	100	Vertical	Pass
3	5503.600	101.16	--	--	Peak	73.00	100	Vertical	N/A
3**	5503.600	94.56	--	--	AV	73.00	100	Vertical	N/A
4	7732.837	49.69	74.0	24.31	Peak	164.00	300	Vertical	Pass
4**	7732.837	39.53	54.0	14.47	AV	164.00	300	Vertical	Pass
5	11336.362	51.37	74.0	22.63	Peak	164.00	150	Vertical	Pass
5**	11336.362	42.25	54.0	11.75	AV	164.00	150	Vertical	Pass
6	16101.599	54.45	74.0	19.55	Peak	132.00	100	Vertical	Pass
6**	16101.599	45.40	54.0	8.60	AV	132.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.700	38.91	74.0	35.09	Peak	299.00	300	Horizontal	Pass
1**	1513.700	29.03	54.0	24.97	AV	299.00	300	Horizontal	Pass
2	4390.600	49.49	74.0	24.51	Peak	0.00	200	Horizontal	Pass
2**	4390.600	40.52	54.0	13.48	AV	0.00	200	Horizontal	Pass
3	5573.600	111.01	--	--	Peak	98.00	150	Horizontal	N/A
3**	5573.600	104.04	--	--	AV	98.00	150	Horizontal	N/A
4	7511.175	49.96	74.0	24.04	Peak	95.00	100	Horizontal	Pass
4**	7511.175	41.70	54.0	12.30	AV	95.00	100	Horizontal	Pass
5	12292.013	51.23	74.0	22.77	Peak	62.00	200	Horizontal	Pass
5**	12292.013	41.79	54.0	12.21	AV	62.00	200	Horizontal	Pass
6	15666.638	53.86	74.0	20.14	Peak	170.00	400	Horizontal	Pass
6**	15666.638	44.08	54.0	9.92	AV	170.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.000	38.82	74.0	35.18	Peak	307.00	400	Vertical	Pass
1**	1510.000	29.53	54.0	24.47	AV	307.00	400	Vertical	Pass
2	4069.200	49.76	74.0	24.24	Peak	326.00	100	Vertical	Pass
2**	4069.200	40.51	54.0	13.49	AV	326.00	100	Vertical	Pass
3	5578.000	108.50	--	--	Peak	66.00	150	Vertical	N/A
3**	5578.000	101.53	--	--	AV	66.00	150	Vertical	N/A
4	7491.337	49.42	74.0	24.58	Peak	68.00	300	Vertical	Pass
4**	7491.337	40.72	54.0	13.28	AV	68.00	300	Vertical	Pass
5	10918.338	51.18	74.0	22.82	Peak	85.00	200	Vertical	Pass
5**	10918.338	42.23	54.0	11.77	AV	85.00	200	Vertical	Pass
6	15823.088	54.82	74.0	19.18	Peak	0.00	200	Vertical	Pass
6**	15823.088	45.15	54.0	8.85	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)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.800	38.48	74.0	35.52	Peak	174.00	100	Horizontal	Pass
1**	1501.800	29.15	54.0	24.85	AV	174.00	100	Horizontal	Pass
2	4092.200	50.00	74.0	24.00	Peak	342.00	400	Horizontal	Pass
2**	4092.200	39.74	54.0	14.26	AV	342.00	400	Horizontal	Pass
3	5697.400	105.35	--	--	Peak	98.00	150	Horizontal	N/A
3**	5697.400	98.17	--	--	AV	98.00	150	Horizontal	N/A
4	7506.862	49.20	74.0	24.80	Peak	231.00	300	Horizontal	Pass
4**	7506.862	40.80	54.0	13.20	AV	231.00	300	Horizontal	Pass
5	10807.075	52.29	74.0	21.71	Peak	360.00	200	Horizontal	Pass
5**	10807.075	41.68	54.0	12.32	AV	360.00	200	Horizontal	Pass
6	15566.099	53.81	74.0	20.19	Peak	323.00	200	Horizontal	Pass
6**	15566.099	44.93	54.0	9.07	AV	323.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1558.100	38.09	74.0	35.91	Peak	360.00	200	Vertical	Pass
1**	1558.100	28.76	54.0	25.24	AV	360.00	200	Vertical	Pass
2	3889.600	49.83	74.0	24.17	Peak	109.00	400	Vertical	Pass
2**	3889.600	39.97	54.0	14.03	AV	109.00	400	Vertical	Pass
3	5696.400	101.26	--	--	Peak	75.00	100	Vertical	N/A
3**	5696.400	93.92	--	--	AV	75.00	100	Vertical	N/A
4	7533.025	49.96	74.0	24.04	Peak	280.00	100	Vertical	Pass
4**	7533.025	39.90	54.0	14.10	AV	280.00	100	Vertical	Pass
5	10929.838	53.02	74.0	20.98	Peak	79.00	150	Vertical	Pass
5**	10929.838	42.45	54.0	11.55	AV	79.00	150	Vertical	Pass
6	16092.412	53.88	74.0	20.12	Peak	228.00	300	Vertical	Pass
6**	16092.412	45.00	54.0	9.00	AV	228.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.300	38.06	74.0	35.94	Peak	201.00	100	Horizontal	Pass
1**	1490.300	29.30	54.0	24.70	AV	201.00	100	Horizontal	Pass
2	4027.200	49.95	74.0	24.05	Peak	263.00	200	Horizontal	Pass
2**	4027.200	40.32	54.0	13.68	AV	263.00	200	Horizontal	Pass
3	5507.600	104.16	--	--	Peak	96.00	100	Horizontal	N/A
3**	5507.600	97.59	--	--	AV	96.00	100	Horizontal	N/A
4	7441.025	50.20	74.0	23.80	Peak	80.00	300	Horizontal	Pass
4**	7441.025	40.58	54.0	13.42	AV	80.00	300	Horizontal	Pass
5	11326.588	51.86	74.0	22.14	Peak	313.00	150	Horizontal	Pass
5**	11326.588	42.14	54.0	11.86	AV	313.00	150	Horizontal	Pass
6	15906.037	53.95	74.0	20.05	Peak	15.00	200	Horizontal	Pass
6**	15906.037	43.95	54.0	10.05	AV	15.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.000	38.42	74.0	35.58	Peak	28.00	300	Vertical	Pass
1**	1531.000	29.28	54.0	24.72	AV	28.00	300	Vertical	Pass
2	4120.600	49.91	74.0	24.09	Peak	318.00	100	Vertical	Pass
2**	4120.600	39.96	54.0	14.04	AV	318.00	100	Vertical	Pass
3	5496.600	101.05	--	--	Peak	74.00	150	Vertical	N/A
3**	5496.600	93.58	--	--	AV	74.00	150	Vertical	N/A
4	7338.100	49.96	74.0	24.04	Peak	214.00	200	Vertical	Pass
4**	7338.100	40.84	54.0	13.16	AV	214.00	200	Vertical	Pass
5	11332.050	51.53	74.0	22.47	Peak	214.00	100	Vertical	Pass
5**	11332.050	43.24	54.0	10.76	AV	214.00	100	Vertical	Pass
6	15865.088	54.07	74.0	19.93	Peak	94.00	300	Vertical	Pass
6**	15865.088	44.07	54.0	9.93	AV	94.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.900	38.19	74.0	35.81	Peak	31.00	400	Horizontal	Pass
1**	1585.900	29.23	54.0	24.77	AV	31.00	400	Horizontal	Pass
2	3993.600	49.85	74.0	24.15	Peak	63.00	200	Horizontal	Pass
2**	3993.600	40.46	54.0	13.54	AV	63.00	200	Horizontal	Pass
3	5584.600	110.60	--	--	Peak	97.00	150	Horizontal	N/A
3**	5584.600	103.61	--	--	AV	97.00	150	Horizontal	N/A
4	7501.975	49.80	74.0	24.20	Peak	245.00	200	Horizontal	Pass
4**	7501.975	41.39	54.0	12.61	AV	245.00	200	Horizontal	Pass
5	11316.525	51.41	74.0	22.59	Peak	45.00	100	Horizontal	Pass
5**	11316.525	42.15	54.0	11.85	AV	45.00	100	Horizontal	Pass
6	16104.487	54.37	74.0	19.63	Peak	287.00	100	Horizontal	Pass
6**	16104.487	45.36	54.0	8.64	AV	287.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1609.800	38.27	74.0	35.73	Peak	337.00	200	Vertical	Pass
1**	1609.800	29.09	54.0	24.91	AV	337.00	200	Vertical	Pass
2	4138.200	49.74	74.0	24.26	Peak	300.00	100	Vertical	Pass
2**	4138.200	40.38	54.0	13.62	AV	300.00	100	Vertical	Pass
3	5572.600	108.36	--	--	Peak	64.00	200	Vertical	N/A
3**	5572.600	99.93	--	--	AV	64.00	200	Vertical	N/A
4	7338.962	49.74	74.0	24.26	Peak	44.00	200	Vertical	Pass
4**	7338.962	39.86	54.0	14.14	AV	44.00	200	Vertical	Pass
5	11757.838	51.83	74.0	22.17	Peak	44.00	100	Vertical	Pass
5**	11757.838	41.83	54.0	12.17	AV	44.00	100	Vertical	Pass
6	15833.850	54.21	74.0	19.79	Peak	150.00	400	Vertical	Pass
6**	15833.850	45.68	54.0	8.32	AV	150.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.500	38.49	74.0	35.51	Peak	273.00	300	Horizontal	Pass
1**	1495.500	29.00	54.0	25.00	AV	273.00	300	Horizontal	Pass
2	3679.400	49.88	74.0	24.12	Peak	296.00	200	Horizontal	Pass
2**	3679.400	39.77	54.0	14.23	AV	296.00	200	Horizontal	Pass
3	5694.600	106.16	--	--	Peak	97.00	200	Horizontal	N/A
3**	5694.600	97.16	--	--	AV	97.00	200	Horizontal	N/A
4	7486.162	49.88	74.0	24.12	Peak	95.00	200	Horizontal	Pass
4**	7486.162	40.52	54.0	13.48	AV	95.00	200	Horizontal	Pass
5	10919.200	52.33	74.0	21.67	Peak	280.00	100	Horizontal	Pass
5**	10919.200	42.68	54.0	11.32	AV	280.00	100	Horizontal	Pass
6	15802.087	54.14	74.0	19.86	Peak	188.00	400	Horizontal	Pass
6**	15802.087	44.79	54.0	9.21	AV	188.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1566.100	38.08	74.0	35.92	Peak	165.00	300	Vertical	Pass
1**	1566.100	28.81	54.0	25.19	AV	165.00	300	Vertical	Pass
2	4192.600	49.52	74.0	24.48	Peak	322.00	300	Vertical	Pass
2**	4192.600	40.68	54.0	13.32	AV	322.00	300	Vertical	Pass
3	5692.800	101.81	--	--	Peak	64.00	200	Vertical	N/A
3**	5692.800	94.10	--	--	AV	64.00	200	Vertical	N/A
4	7443.612	50.38	74.0	23.62	Peak	263.00	400	Vertical	Pass
4**	7443.612	40.74	54.0	13.26	AV	263.00	400	Vertical	Pass
5	11818.213	51.47	74.0	22.53	Peak	247.00	100	Vertical	Pass
5**	11818.213	41.77	54.0	12.23	AV	247.00	100	Vertical	Pass
6	16034.662	54.25	74.0	19.75	Peak	247.00	100	Vertical	Pass
6**	16034.662	43.99	54.0	10.01	AV	247.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.900	38.97	74.0	35.03	Peak	257.00	400	Horizontal	Pass
1**	1588.900	28.69	54.0	25.31	AV	257.00	400	Horizontal	Pass
2	4380.800	50.36	74.0	23.64	Peak	253.00	400	Horizontal	Pass
2**	4380.800	40.55	54.0	13.45	AV	253.00	400	Horizontal	Pass
3	5494.000	100.99	--	--	Peak	96.00	150	Horizontal	N/A
3**	5494.000	92.89	--	--	AV	96.00	150	Horizontal	N/A
4	7553.438	49.62	74.0	24.38	Peak	145.00	200	Horizontal	Pass
4**	7553.438	41.06	54.0	12.94	AV	145.00	200	Horizontal	Pass
5	10920.637	51.78	74.0	22.22	Peak	112.00	100	Horizontal	Pass
5**	10920.637	42.81	54.0	11.19	AV	112.00	100	Horizontal	Pass
6	16132.312	53.99	74.0	20.01	Peak	247.00	100	Horizontal	Pass
6**	16132.312	44.33	54.0	9.67	AV	247.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.000	38.81	74.0	35.19	Peak	360.00	300	Vertical	Pass
1**	1437.000	28.87	54.0	25.13	AV	360.00	300	Vertical	Pass
2	4043.000	49.80	74.0	24.20	Peak	300.00	100	Vertical	Pass
2**	4043.000	39.63	54.0	14.37	AV	300.00	100	Vertical	Pass
3	5493.400	97.55	--	--	Peak	63.00	200	Vertical	N/A
3**	5493.400	89.57	--	--	AV	63.00	200	Vertical	N/A
4	7465.750	49.84	74.0	24.16	Peak	64.00	300	Vertical	Pass
4**	7465.750	42.24	54.0	11.76	AV	64.00	300	Vertical	Pass
5	10931.849	51.84	74.0	22.16	Peak	96.00	150	Vertical	Pass
5**	10931.849	42.64	54.0	11.36	AV	96.00	150	Vertical	Pass
6	15833.326	54.99	74.0	19.01	Peak	217.00	150	Vertical	Pass
6**	15833.326	45.20	54.0	8.80	AV	217.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.700	38.45	74.0	35.55	Peak	306.00	200	Horizontal	Pass
1**	1536.700	28.87	54.0	25.13	AV	306.00	200	Horizontal	Pass
2	4189.000	49.71	74.0	24.29	Peak	118.00	300	Horizontal	Pass
2**	4189.000	40.76	54.0	13.24	AV	118.00	300	Horizontal	Pass
3	5586.400	106.78	--	--	Peak	96.00	200	Horizontal	N/A
3**	5586.400	99.09	--	--	AV	96.00	200	Horizontal	N/A
4	7544.525	49.89	74.0	24.11	Peak	48.00	400	Horizontal	Pass
4**	7544.525	40.18	54.0	13.82	AV	48.00	400	Horizontal	Pass
5	11787.450	52.33	74.0	21.67	Peak	280.00	200	Horizontal	Pass
5**	11787.450	42.94	54.0	11.06	AV	280.00	200	Horizontal	Pass
6	16105.012	54.44	74.0	19.56	Peak	352.00	400	Horizontal	Pass
6**	16105.012	44.52	54.0	9.48	AV	352.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.900	37.94	74.0	36.06	Peak	6.00	400	Vertical	Pass
1**	1478.900	28.32	54.0	25.68	AV	6.00	400	Vertical	Pass
2	4118.600	50.11	74.0	23.89	Peak	19.00	300	Vertical	Pass
2**	4118.600	40.85	54.0	13.15	AV	19.00	300	Vertical	Pass
3	5596.600	103.00	--	--	Peak	76.00	200	Vertical	N/A
3**	5596.600	96.21	--	--	AV	76.00	200	Vertical	N/A
4	7460.287	49.45	74.0	24.55	Peak	231.00	100	Vertical	Pass
4**	7460.287	40.42	54.0	13.58	AV	231.00	100	Vertical	Pass
5	11767.900	51.33	74.0	22.67	Peak	213.00	100	Vertical	Pass
5**	11767.900	42.87	54.0	11.13	AV	213.00	100	Vertical	Pass
6	15841.200	54.26	74.0	19.74	Peak	170.00	200	Vertical	Pass
6**	15841.200	44.66	54.0	9.34	AV	170.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.100	38.32	74.0	35.68	Peak	360.00	400	Horizontal	Pass
1**	1555.100	29.86	54.0	24.14	AV	360.00	400	Horizontal	Pass
2	4144.600	50.06	74.0	23.94	Peak	222.00	400	Horizontal	Pass
2**	4144.600	40.01	54.0	13.99	AV	222.00	400	Horizontal	Pass
3	5686.800	102.49	--	--	Peak	97.00	200	Horizontal	N/A
3**	5686.800	94.54	--	--	AV	97.00	200	Horizontal	N/A
4	7504.563	49.95	74.0	24.05	Peak	179.00	400	Horizontal	Pass
4**	7504.563	41.07	54.0	12.93	AV	179.00	400	Horizontal	Pass
5	11207.850	51.80	74.0	22.20	Peak	346.00	150	Horizontal	Pass
5**	11207.850	41.32	54.0	12.68	AV	346.00	150	Horizontal	Pass
6	15828.338	53.86	74.0	20.14	Peak	229.00	400	Horizontal	Pass
6**	15828.338	44.75	54.0	9.25	AV	229.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.900	38.53	74.0	35.47	Peak	216.00	100	Vertical	Pass
1**	1524.900	28.62	54.0	25.38	AV	216.00	100	Vertical	Pass
2	4233.600	49.42	74.0	24.58	Peak	216.00	400	Vertical	Pass
2**	4233.600	40.40	54.0	13.60	AV	216.00	400	Vertical	Pass
3	5654.400	98.77	--	--	Peak	63.00	200	Vertical	N/A
3**	5654.400	90.40	--	--	AV	63.00	200	Vertical	N/A
4	7507.438	49.59	74.0	24.41	Peak	199.00	200	Vertical	Pass
4**	7507.438	41.05	54.0	12.95	AV	199.00	200	Vertical	Pass
5	10924.951	52.48	74.0	21.52	Peak	99.00	100	Vertical	Pass
5**	10924.951	43.14	54.0	10.86	AV	99.00	100	Vertical	Pass
6	15748.013	53.68	74.0	20.32	Peak	0.00	200	Vertical	Pass
6**	15748.013	43.61	54.0	10.39	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.800	38.12	74.0	35.88	Peak	280.00	300	Horizontal	Pass
1**	1507.800	28.92	54.0	25.08	AV	280.00	300	Horizontal	Pass
2	4381.600	49.58	74.0	24.42	Peak	0.00	100	Horizontal	Pass
2**	4381.600	41.01	54.0	12.99	AV	0.00	100	Horizontal	Pass
3	5502.400	104.28	--	--	Peak	105.00	100	Horizontal	N/A
3**	5502.400	96.60	--	--	AV	105.00	100	Horizontal	N/A
4	7572.412	49.52	74.0	24.48	Peak	181.00	400	Horizontal	Pass
4**	7572.412	40.35	54.0	13.65	AV	181.00	400	Horizontal	Pass
5	11338.951	51.31	74.0	22.69	Peak	214.00	100	Horizontal	Pass
5**	11338.951	43.07	54.0	10.93	AV	214.00	100	Horizontal	Pass
6	16175.625	54.37	74.0	19.63	Peak	91.00	100	Horizontal	Pass
6**	16175.625	44.22	54.0	9.78	AV	91.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.900	38.41	74.0	35.59	Peak	98.00	100	Vertical	Pass
1**	1469.900	28.49	54.0	25.51	AV	98.00	100	Vertical	Pass
2	3998.200	50.01	74.0	23.99	Peak	183.00	100	Vertical	Pass
2**	3998.200	40.55	54.0	13.45	AV	183.00	100	Vertical	Pass
3	5494.000	100.46	--	--	Peak	74.00	200	Vertical	N/A
3**	5494.000	91.90	--	--	AV	74.00	200	Vertical	N/A
4	7442.175	49.75	74.0	24.25	Peak	41.00	100	Vertical	Pass
4**	7442.175	40.94	54.0	13.06	AV	41.00	100	Vertical	Pass
5	11924.588	51.57	74.0	22.43	Peak	211.00	200	Vertical	Pass
5**	11924.588	43.08	54.0	10.92	AV	211.00	200	Vertical	Pass
6	15806.812	54.69	74.0	19.31	Peak	73.00	100	Vertical	Pass
6**	15806.812	46.00	54.0	8.00	AV	73.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.000	38.97	74.0	35.03	Peak	310.00	200	Horizontal	Pass
1**	1586.000	29.42	54.0	24.58	AV	310.00	200	Horizontal	Pass
2	4088.800	49.50	74.0	24.50	Peak	141.00	100	Horizontal	Pass
2**	4088.800	39.68	54.0	14.32	AV	141.00	100	Horizontal	Pass
3	5572.600	110.26	--	--	Peak	97.00	200	Horizontal	N/A
3**	5572.600	102.94	--	--	AV	97.00	200	Horizontal	N/A
4	7593.688	50.81	74.0	23.19	Peak	266.00	300	Horizontal	Pass
4**	7593.688	40.21	54.0	13.79	AV	266.00	300	Horizontal	Pass
5	12584.974	51.44	74.0	22.56	Peak	360.00	150	Horizontal	Pass
5**	12584.974	41.59	54.0	12.41	AV	360.00	150	Horizontal	Pass
6	16088.212	54.06	74.0	19.94	Peak	187.00	100	Horizontal	Pass
6**	16088.212	44.57	54.0	9.43	AV	187.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1567.500	38.08	74.0	35.92	Peak	360.00	200	Vertical	Pass
1**	1567.500	28.42	54.0	25.58	AV	360.00	200	Vertical	Pass
2	4333.600	50.13	74.0	23.87	Peak	0.00	400	Vertical	Pass
2**	4333.600	39.74	54.0	14.26	AV	0.00	400	Vertical	Pass
3	5578.400	106.59	--	--	Peak	76.00	100	Vertical	N/A
3**	5578.400	99.32	--	--	AV	76.00	100	Vertical	N/A
4	7510.025	49.90	74.0	24.10	Peak	29.00	400	Vertical	Pass
4**	7510.025	41.76	54.0	12.24	AV	29.00	400	Vertical	Pass
5	10914.888	51.70	74.0	22.30	Peak	360.00	100	Vertical	Pass
5**	10914.888	42.67	54.0	11.33	AV	360.00	100	Vertical	Pass
6	15849.862	53.81	74.0	20.19	Peak	220.00	150	Vertical	Pass
6**	15849.862	44.99	54.0	9.01	AV	220.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.700	39.05	74.0	34.95	Peak	331.00	300	Horizontal	Pass
1**	1504.700	28.67	54.0	25.33	AV	331.00	300	Horizontal	Pass
2	4376.000	50.03	74.0	23.97	Peak	98.00	200	Horizontal	Pass
2**	4376.000	40.98	54.0	13.02	AV	98.00	200	Horizontal	Pass
3	5694.000	105.74	--	--	Peak	98.00	200	Horizontal	N/A
3**	5694.000	97.58	--	--	AV	98.00	200	Horizontal	N/A
4	7503.987	50.06	74.0	23.94	Peak	360.00	200	Horizontal	Pass
4**	7503.987	40.89	54.0	13.11	AV	360.00	200	Horizontal	Pass
5	10925.237	52.05	74.0	21.95	Peak	229.00	150	Horizontal	Pass
5**	10925.237	41.87	54.0	12.13	AV	229.00	150	Horizontal	Pass
6	15523.838	54.64	74.0	19.36	Peak	171.00	400	Horizontal	Pass
6**	15523.838	44.80	54.0	9.20	AV	171.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.600	38.18	74.0	35.82	Peak	136.00	200	Vertical	Pass
1**	1585.600	29.11	54.0	24.89	AV	136.00	200	Vertical	Pass
2	4344.800	50.65	74.0	23.35	Peak	265.00	100	Vertical	Pass
2**	4344.800	40.27	54.0	13.73	AV	265.00	100	Vertical	Pass
3	5692.400	101.29	--	--	Peak	75.00	150	Vertical	N/A
3**	5692.400	93.86	--	--	AV	75.00	150	Vertical	N/A
4	7467.763	49.50	74.0	24.50	Peak	0.00	400	Vertical	Pass
4**	7467.763	40.35	54.0	13.65	AV	0.00	400	Vertical	Pass
5	11815.050	53.11	74.0	20.89	Peak	0.00	200	Vertical	Pass
5**	11815.050	42.15	54.0	11.85	AV	0.00	200	Vertical	Pass
6	15517.275	53.86	74.0	20.14	Peak	228.00	300	Vertical	Pass
6**	15517.275	44.21	54.0	9.79	AV	228.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.900	38.91	74.0	35.09	Peak	225.00	300	Horizontal	Pass
1**	1438.900	28.55	54.0	25.45	AV	225.00	300	Horizontal	Pass
2	4345.000	50.02	74.0	23.98	Peak	298.00	300	Horizontal	Pass
2**	4345.000	40.97	54.0	13.03	AV	298.00	300	Horizontal	Pass
3	5496.200	101.33	--	--	Peak	107.00	150	Horizontal	N/A
3**	5496.200	92.61	--	--	AV	107.00	150	Horizontal	N/A
4	7502.550	49.98	74.0	24.02	Peak	27.00	400	Horizontal	Pass
4**	7502.550	40.96	54.0	13.04	AV	27.00	400	Horizontal	Pass
5	10924.375	52.89	74.0	21.11	Peak	111.00	150	Horizontal	Pass
5**	10924.375	42.98	54.0	11.02	AV	111.00	150	Horizontal	Pass
6	15853.537	54.00	74.0	20.00	Peak	326.00	300	Horizontal	Pass
6**	15853.537	44.78	54.0	9.22	AV	326.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1563.000	38.18	74.0	35.82	Peak	285.00	300	Vertical	Pass
1**	1563.000	28.91	54.0	25.09	AV	285.00	300	Vertical	Pass
2	4201.400	49.54	74.0	24.46	Peak	188.00	200	Vertical	Pass
2**	4201.400	39.90	54.0	14.10	AV	188.00	200	Vertical	Pass
3	5526.800	97.42	--	--	Peak	74.00	200	Vertical	N/A
3**	5526.800	89.52	--	--	AV	74.00	200	Vertical	N/A
4	7451.663	49.52	74.0	24.48	Peak	0.00	400	Vertical	Pass
4**	7451.663	40.94	54.0	13.06	AV	0.00	400	Vertical	Pass
5	11949.312	51.24	74.0	22.76	Peak	278.00	200	Vertical	Pass
5**	11949.312	41.69	54.0	12.31	AV	278.00	200	Vertical	Pass
6	15568.201	54.24	74.0	19.76	Peak	170.00	100	Vertical	Pass
6**	15568.201	44.59	54.0	9.41	AV	170.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.100	38.08	74.0	35.92	Peak	226.00	100	Horizontal	Pass
1**	1581.100	28.75	54.0	25.25	AV	226.00	100	Horizontal	Pass
2	4380.600	50.36	74.0	23.64	Peak	222.00	100	Horizontal	Pass
2**	4380.600	40.03	54.0	13.97	AV	222.00	100	Horizontal	Pass
3	5582.600	106.60	--	--	Peak	98.00	100	Horizontal	N/A
3**	5582.600	98.94	--	--	AV	98.00	100	Horizontal	N/A
4	7442.175	50.03	74.0	23.97	Peak	43.00	200	Horizontal	Pass
4**	7442.175	41.21	54.0	12.79	AV	43.00	200	Horizontal	Pass
5	11805.563	51.33	74.0	22.67	Peak	297.00	100	Horizontal	Pass
5**	11805.563	41.75	54.0	12.25	AV	297.00	100	Horizontal	Pass
6	15519.112	54.17	74.0	19.83	Peak	109.00	150	Horizontal	Pass
6**	15519.112	43.95	54.0	10.05	AV	109.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.400	38.34	74.0	35.66	Peak	66.00	200	Vertical	Pass
1**	1500.400	29.11	54.0	24.89	AV	66.00	200	Vertical	Pass
2	4041.400	49.66	74.0	24.34	Peak	299.00	200	Vertical	Pass
2**	4041.400	39.83	54.0	14.17	AV	299.00	200	Vertical	Pass
3	5583.800	103.35	--	--	Peak	74.00	100	Vertical	N/A
3**	5583.800	94.74	--	--	AV	74.00	100	Vertical	N/A
4	7512.612	50.03	74.0	23.97	Peak	163.00	200	Vertical	Pass
4**	7512.612	40.98	54.0	13.02	AV	163.00	200	Vertical	Pass
5	11849.263	51.77	74.0	22.23	Peak	214.00	150	Vertical	Pass
5**	11849.263	42.49	54.0	11.51	AV	214.00	150	Vertical	Pass
6	15840.938	54.24	74.0	19.76	Peak	94.00	100	Vertical	Pass
6**	15840.938	43.92	54.0	10.08	AV	94.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.300	38.81	74.0	35.19	Peak	360.00	300	Horizontal	Pass
1**	1571.300	28.31	54.0	25.69	AV	360.00	300	Horizontal	Pass
2	4133.600	49.92	74.0	24.08	Peak	359.00	300	Horizontal	Pass
2**	4133.600	41.06	54.0	12.94	AV	359.00	300	Horizontal	Pass
3	5657.000	105.43	--	--	Peak	97.00	100	Horizontal	N/A
3**	5657.000	97.71	--	--	AV	97.00	100	Horizontal	N/A
4	7451.087	49.67	74.0	24.33	Peak	179.00	100	Horizontal	Pass
4**	7451.087	40.76	54.0	13.24	AV	179.00	100	Horizontal	Pass
5	12413.050	51.47	74.0	22.53	Peak	230.00	200	Horizontal	Pass
5**	12413.050	42.86	54.0	11.14	AV	230.00	200	Horizontal	Pass
6	15823.875	54.48	74.0	19.52	Peak	36.00	100	Horizontal	Pass
6**	15823.875	45.16	54.0	8.84	AV	36.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.700	38.17	74.0	35.83	Peak	253.00	200	Vertical	Pass
1**	1490.700	28.90	54.0	25.10	AV	253.00	200	Vertical	Pass
2	4201.000	49.99	74.0	24.01	Peak	196.00	300	Vertical	Pass
2**	4201.000	40.49	54.0	13.51	AV	196.00	300	Vertical	Pass
3	5680.000	101.60	--	--	Peak	74.00	200	Vertical	N/A
3**	5680.000	93.33	--	--	AV	74.00	200	Vertical	N/A
4	7508.300	49.90	74.0	24.10	Peak	247.00	300	Vertical	Pass
4**	7508.300	40.63	54.0	13.37	AV	247.00	300	Vertical	Pass
5	11838.050	51.54	74.0	22.46	Peak	263.00	100	Vertical	Pass
5**	11838.050	42.80	54.0	11.20	AV	263.00	100	Vertical	Pass
6	16181.662	53.97	74.0	20.03	Peak	111.00	100	Vertical	Pass
6**	16181.662	43.25	54.0	10.75	AV	111.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.900	38.11	74.0	35.89	Peak	167.00	300	Horizontal	Pass
1**	1583.900	28.39	54.0	25.61	AV	167.00	300	Horizontal	Pass
2	3888.800	49.60	74.0	24.40	Peak	153.00	100	Horizontal	Pass
2**	3888.800	40.33	54.0	13.67	AV	153.00	100	Horizontal	Pass
3	5552.800	99.47	--	--	Peak	109.00	100	Horizontal	N/A
3**	5552.800	90.73	--	--	AV	109.00	100	Horizontal	N/A
4	7461.725	49.46	74.0	24.54	Peak	346.00	400	Horizontal	Pass
4**	7461.725	42.05	54.0	11.95	AV	346.00	400	Horizontal	Pass
5	11215.612	52.31	74.0	21.69	Peak	279.00	200	Horizontal	Pass
5**	11215.612	42.19	54.0	11.81	AV	279.00	200	Horizontal	Pass
6	15517.799	53.93	74.0	20.07	Peak	360.00	400	Horizontal	Pass
6**	15517.799	44.99	54.0	9.01	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.000	38.98	74.0	35.02	Peak	84.00	400	Vertical	Pass
1**	1599.000	28.89	54.0	25.11	AV	84.00	400	Vertical	Pass
2	4015.000	49.99	74.0	24.01	Peak	108.00	300	Vertical	Pass
2**	4015.000	40.24	54.0	13.76	AV	108.00	300	Vertical	Pass
3	5547.600	95.89	--	--	Peak	75.00	100	Vertical	N/A
3**	5547.600	87.48	--	--	AV	75.00	100	Vertical	N/A
4	7502.550	50.21	74.0	23.79	Peak	10.00	400	Vertical	Pass
4**	7502.550	40.74	54.0	13.26	AV	10.00	400	Vertical	Pass
5	11770.488	51.45	74.0	22.55	Peak	178.00	100	Vertical	Pass
5**	11770.488	42.34	54.0	11.66	AV	178.00	100	Vertical	Pass
6	15820.724	53.72	74.0	20.28	Peak	170.00	200	Vertical	Pass
6**	15820.724	45.13	54.0	8.87	AV	170.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.700	38.45	74.0	35.55	Peak	360.00	300	Horizontal	Pass
1**	1458.700	28.71	54.0	25.29	AV	360.00	300	Horizontal	Pass
2	4231.000	49.64	74.0	24.36	Peak	188.00	400	Horizontal	Pass
2**	4231.000	40.68	54.0	13.32	AV	188.00	400	Horizontal	Pass
3	5628.600	101.54	--	--	Peak	97.00	100	Horizontal	N/A
3**	5628.600	94.01	--	--	AV	97.00	100	Horizontal	N/A
4	7554.875	50.16	74.0	23.84	Peak	360.00	100	Horizontal	Pass
4**	7554.875	40.66	54.0	13.34	AV	360.00	100	Horizontal	Pass
5	10930.125	51.21	74.0	22.79	Peak	326.00	150	Horizontal	Pass
5**	10930.125	42.05	54.0	11.95	AV	326.00	150	Horizontal	Pass
6	15820.987	54.47	74.0	19.53	Peak	286.00	300	Horizontal	Pass
6**	15820.987	45.15	54.0	8.85	AV	286.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.900	38.47	74.0	35.53	Peak	197.00	300	Vertical	Pass
1**	1494.900	29.06	54.0	24.94	AV	197.00	300	Vertical	Pass
2	3928.800	49.49	74.0	24.51	Peak	348.00	200	Vertical	Pass
2**	3928.800	39.20	54.0	14.80	AV	348.00	200	Vertical	Pass
3	5647.000	98.53	--	--	Peak	75.00	100	Vertical	N/A
3**	5647.000	90.69	--	--	AV	75.00	100	Vertical	N/A
4	7447.638	50.12	74.0	23.88	Peak	360.00	100	Vertical	Pass
4**	7447.638	40.39	54.0	13.61	AV	360.00	100	Vertical	Pass
5	11335.500	51.43	74.0	22.57	Peak	265.00	200	Vertical	Pass
5**	11335.500	43.36	54.0	10.64	AV	265.00	200	Vertical	Pass
6	16071.937	53.80	74.0	20.20	Peak	248.00	100	Vertical	Pass
6**	16071.937	44.45	54.0	9.55	AV	248.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.400	38.42	74.0	35.58	Peak	141.00	100	Horizontal	Pass
1**	1483.400	28.50	54.0	25.50	AV	141.00	100	Horizontal	Pass
2	4383.400	49.71	74.0	24.29	Peak	186.00	400	Horizontal	Pass
2**	4383.400	40.41	54.0	13.59	AV	186.00	400	Horizontal	Pass
3	5738.800	111.32	--	--	Peak	97.00	150	Horizontal	N/A
3**	5738.800	103.24	--	--	AV	97.00	150	Horizontal	N/A
4	7613.813	50.43	74.0	23.57	Peak	360.00	400	Horizontal	Pass
4**	7613.813	40.45	54.0	13.55	AV	360.00	400	Horizontal	Pass
5	11219.637	51.89	74.0	22.11	Peak	9.00	150	Horizontal	Pass
5**	11219.637	42.33	54.0	11.67	AV	9.00	150	Horizontal	Pass
6	16174.312	54.25	74.0	19.75	Peak	54.00	200	Horizontal	Pass
6**	16174.312	43.49	54.0	10.51	AV	54.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.900	38.04	74.0	35.96	Peak	233.00	300	Vertical	Pass
1**	1590.900	29.08	54.0	24.92	AV	233.00	300	Vertical	Pass
2	4005.600	49.71	74.0	24.29	Peak	360.00	200	Vertical	Pass
2**	4005.600	40.91	54.0	13.09	AV	360.00	200	Vertical	Pass
3	5748.200	107.54	--	--	Peak	64.00	200	Vertical	N/A
3**	5748.200	99.72	--	--	AV	64.00	200	Vertical	N/A
4	7458.275	49.16	74.0	24.84	Peak	73.00	400	Vertical	Pass
4**	7458.275	40.46	54.0	13.54	AV	73.00	400	Vertical	Pass
5	11820.225	51.30	74.0	22.70	Peak	0.00	150	Vertical	Pass
5**	11820.225	41.75	54.0	12.25	AV	0.00	150	Vertical	Pass
6	16068.263	53.69	74.0	20.31	Peak	152.00	100	Vertical	Pass
6**	16068.263	44.38	54.0	9.62	AV	152.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.800	39.01	74.0	34.99	Peak	43.00	400	Horizontal	Pass
1**	1561.800	29.54	54.0	24.46	AV	43.00	400	Horizontal	Pass
2	4379.800	51.13	74.0	22.87	Peak	118.00	200	Horizontal	Pass
2**	4379.800	41.42	54.0	12.58	AV	118.00	200	Horizontal	Pass
3	5782.400	110.78	--	--	Peak	107.00	200	Horizontal	N/A
3**	5782.400	103.37	--	--	AV	107.00	200	Horizontal	N/A
4	7502.837	50.39	74.0	23.61	Peak	229.00	300	Horizontal	Pass
4**	7502.837	40.88	54.0	13.12	AV	229.00	300	Horizontal	Pass
5	11944.138	51.56	74.0	22.44	Peak	313.00	200	Horizontal	Pass
5**	11944.138	41.81	54.0	12.19	AV	313.00	200	Horizontal	Pass
6	15823.088	53.78	74.0	20.22	Peak	94.00	200	Horizontal	Pass
6**	15823.088	45.44	54.0	8.56	AV	94.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1446.900	38.32	74.0	35.68	Peak	330.00	400	Vertical	Pass
1**	1446.900	28.90	54.0	25.10	AV	330.00	400	Vertical	Pass
2	3983.400	49.45	74.0	24.55	Peak	360.00	300	Vertical	Pass
2**	3983.400	40.19	54.0	13.81	AV	360.00	300	Vertical	Pass
3	5778.400	106.94	--	--	Peak	74.00	150	Vertical	N/A
3**	5778.400	99.57	--	--	AV	74.00	150	Vertical	N/A
4	7427.800	49.75	74.0	24.25	Peak	245.00	300	Vertical	Pass
4**	7427.800	39.81	54.0	14.19	AV	245.00	300	Vertical	Pass
5	11938.962	51.86	74.0	22.14	Peak	330.00	150	Vertical	Pass
5**	11938.962	42.52	54.0	11.48	AV	330.00	150	Vertical	Pass
6	16075.612	54.21	74.0	19.79	Peak	171.00	100	Vertical	Pass
6**	16075.612	44.04	54.0	9.96	AV	171.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.700	38.19	74.0	35.81	Peak	355.00	200	Horizontal	Pass
1**	1479.700	28.69	54.0	25.31	AV	355.00	200	Horizontal	Pass
2	4272.000	49.68	74.0	24.32	Peak	0.00	100	Horizontal	Pass
2**	4272.000	39.74	54.0	14.26	AV	0.00	100	Horizontal	Pass
3	5828.400	109.59	--	--	Peak	109.00	150	Horizontal	N/A
3**	5828.400	102.55	--	--	AV	109.00	150	Horizontal	N/A
4	7451.663	49.51	74.0	24.49	Peak	145.00	400	Horizontal	Pass
4**	7451.663	40.34	54.0	13.66	AV	145.00	400	Horizontal	Pass
5	11777.963	51.31	74.0	22.69	Peak	44.00	150	Horizontal	Pass
5**	11777.963	42.45	54.0	11.55	AV	44.00	150	Horizontal	Pass
6	15851.175	53.52	74.0	20.48	Peak	304.00	300	Horizontal	Pass
6**	15851.175	44.01	54.0	9.99	AV	304.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.100	38.96	74.0	35.04	Peak	330.00	400	Vertical	Pass
1**	1507.100	28.85	54.0	25.15	AV	330.00	400	Vertical	Pass
2	4342.800	49.82	74.0	24.18	Peak	257.00	300	Vertical	Pass
2**	4342.800	40.50	54.0	13.50	AV	257.00	300	Vertical	Pass
3	5822.400	105.37	--	--	Peak	64.00	150	Vertical	N/A
3**	5822.400	98.04	--	--	AV	64.00	150	Vertical	N/A
4	7463.162	49.45	74.0	24.55	Peak	263.00	200	Vertical	Pass
4**	7463.162	40.64	54.0	13.36	AV	263.00	200	Vertical	Pass
5	12338.588	51.48	74.0	22.52	Peak	29.00	200	Vertical	Pass
5**	12338.588	41.66	54.0	12.34	AV	29.00	200	Vertical	Pass
6	15803.924	54.19	74.0	19.81	Peak	268.00	400	Vertical	Pass
6**	15803.924	43.88	54.0	10.12	AV	268.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.800	38.26	74.0	35.74	Peak	48.00	300	Horizontal	Pass
1**	1532.800	29.17	54.0	24.83	AV	48.00	300	Horizontal	Pass
2	4392.400	49.59	74.0	24.41	Peak	352.00	200	Horizontal	Pass
2**	4392.400	40.11	54.0	13.89	AV	352.00	200	Horizontal	Pass
3	5742.000	110.78	--	--	Peak	95.00	200	Horizontal	N/A
3**	5742.000	102.52	--	--	AV	95.00	200	Horizontal	N/A
4	7684.825	50.27	74.0	23.73	Peak	261.00	200	Horizontal	Pass
4**	7684.825	39.57	54.0	14.43	AV	261.00	200	Horizontal	Pass
5	11213.600	51.06	74.0	22.94	Peak	111.00	100	Horizontal	Pass
5**	11213.600	42.04	54.0	11.96	AV	111.00	100	Horizontal	Pass
6	15827.287	54.13	74.0	19.87	Peak	0.00	200	Horizontal	Pass
6**	15827.287	45.27	54.0	8.73	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.400	38.78	74.0	35.22	Peak	8.00	200	Vertical	Pass
1**	1450.400	28.60	54.0	25.40	AV	8.00	200	Vertical	Pass
2	4379.800	49.75	74.0	24.25	Peak	320.00	400	Vertical	Pass
2**	4379.800	40.89	54.0	13.11	AV	320.00	400	Vertical	Pass
3	5741.400	107.71	--	--	Peak	64.00	200	Vertical	N/A
3**	5741.400	99.04	--	--	AV	64.00	200	Vertical	N/A
4	7508.875	49.99	74.0	24.01	Peak	60.00	300	Vertical	Pass
4**	7508.875	42.04	54.0	11.96	AV	60.00	300	Vertical	Pass
5	10920.925	51.99	74.0	22.01	Peak	311.00	200	Vertical	Pass
5**	10920.925	42.35	54.0	11.65	AV	311.00	200	Vertical	Pass
6	15843.037	53.87	74.0	20.13	Peak	211.00	200	Vertical	Pass
6**	15843.037	44.69	54.0	9.31	AV	211.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.800	38.63	74.0	35.37	Peak	36.00	100	Horizontal	Pass
1**	1491.800	29.29	54.0	24.71	AV	36.00	100	Horizontal	Pass
2	4390.800	49.84	74.0	24.16	Peak	332.00	400	Horizontal	Pass
2**	4390.800	40.23	54.0	13.77	AV	332.00	400	Horizontal	Pass
3	5783.400	109.57	--	--	Peak	86.00	150	Horizontal	N/A
3**	5783.400	101.60	--	--	AV	86.00	150	Horizontal	N/A
4	7572.700	50.14	74.0	23.86	Peak	0.00	100	Horizontal	Pass
4**	7572.700	40.07	54.0	13.93	AV	0.00	100	Horizontal	Pass
5	11915.963	51.17	74.0	22.83	Peak	360.00	200	Horizontal	Pass
5**	11915.963	41.48	54.0	12.52	AV	360.00	200	Horizontal	Pass
6	16102.651	53.78	74.0	20.22	Peak	35.00	400	Horizontal	Pass
6**	16102.651	46.18	54.0	7.82	AV	35.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.800	38.32	74.0	35.68	Peak	0.00	300	Vertical	Pass
1**	1511.800	29.32	54.0	24.68	AV	0.00	300	Vertical	Pass
2	4287.400	50.45	74.0	23.55	Peak	42.00	200	Vertical	Pass
2**	4287.400	40.76	54.0	13.24	AV	42.00	200	Vertical	Pass
3	5780.400	106.82	--	--	Peak	64.00	100	Vertical	N/A
3**	5780.400	98.89	--	--	AV	64.00	100	Vertical	N/A
4	7453.100	50.42	74.0	23.58	Peak	144.00	400	Vertical	Pass
4**	7453.100	40.93	54.0	13.07	AV	144.00	400	Vertical	Pass
5	10924.088	52.02	74.0	21.98	Peak	161.00	200	Vertical	Pass
5**	10924.088	42.72	54.0	11.28	AV	161.00	200	Vertical	Pass
6	16103.437	53.70	74.0	20.30	Peak	15.00	300	Vertical	Pass
6**	16103.437	44.88	54.0	9.12	AV	15.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.900	38.40	74.0	35.60	Peak	321.00	100	Horizontal	Pass
1**	1486.900	28.93	54.0	25.07	AV	321.00	100	Horizontal	Pass
2	4344.000	49.63	74.0	24.37	Peak	360.00	400	Horizontal	Pass
2**	4344.000	40.70	54.0	13.30	AV	360.00	400	Horizontal	Pass
3	5822.000	109.04	--	--	Peak	109.00	200	Horizontal	N/A
3**	5822.000	101.36	--	--	AV	109.00	200	Horizontal	N/A
4	7501.687	50.16	74.0	23.84	Peak	286.00	400	Horizontal	Pass
4**	7501.687	41.22	54.0	12.78	AV	286.00	400	Horizontal	Pass
5	11772.500	51.36	74.0	22.64	Peak	234.00	200	Horizontal	Pass
5**	11772.500	41.76	54.0	12.24	AV	234.00	200	Horizontal	Pass
6	16099.763	54.04	74.0	19.96	Peak	189.00	300	Horizontal	Pass
6**	16099.763	44.78	54.0	9.22	AV	189.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.700	38.64	74.0	35.36	Peak	305.00	200	Vertical	Pass
1**	1572.700	28.54	54.0	25.46	AV	305.00	200	Vertical	Pass
2	4159.200	49.45	74.0	24.55	Peak	129.00	100	Vertical	Pass
2**	4159.200	40.36	54.0	13.64	AV	129.00	100	Vertical	Pass
3	5817.600	105.36	--	--	Peak	64.00	100	Vertical	N/A
3**	5817.600	97.57	--	--	AV	64.00	100	Vertical	N/A
4	7576.150	49.48	74.0	24.52	Peak	280.00	100	Vertical	Pass
4**	7576.150	39.75	54.0	14.25	AV	280.00	100	Vertical	Pass
5	11920.562	51.30	74.0	22.70	Peak	115.00	150	Vertical	Pass
5**	11920.562	42.05	54.0	11.95	AV	115.00	150	Vertical	Pass
6	16106.588	53.45	74.0	20.55	Peak	360.00	100	Vertical	Pass
6**	16106.588	44.03	54.0	9.97	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.200	38.05	74.0	35.95	Peak	324.00	100	Horizontal	Pass
1**	1503.200	28.32	54.0	25.68	AV	324.00	100	Horizontal	Pass
2	4390.800	49.83	74.0	24.17	Peak	235.00	400	Horizontal	Pass
2**	4390.800	40.61	54.0	13.39	AV	235.00	400	Horizontal	Pass
3	5756.000	107.34	--	--	Peak	109.00	200	Horizontal	N/A
3**	5756.000	97.74	--	--	AV	109.00	200	Horizontal	N/A
4	7447.638	50.06	74.0	23.94	Peak	313.00	200	Horizontal	Pass
4**	7447.638	40.22	54.0	13.78	AV	313.00	200	Horizontal	Pass
5	11801.538	51.34	74.0	22.66	Peak	77.00	200	Horizontal	Pass
5**	11801.538	41.36	54.0	12.64	AV	77.00	200	Horizontal	Pass
6	16081.651	53.45	74.0	20.55	Peak	55.00	200	Horizontal	Pass
6**	16081.651	43.84	54.0	10.16	AV	55.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	38.19	74.0	35.81	Peak	126.00	400	Vertical	Pass
1**	1489.800	29.06	54.0	24.94	AV	126.00	400	Vertical	Pass
2	4370.800	49.72	74.0	24.28	Peak	30.00	400	Vertical	Pass
2**	4370.800	39.63	54.0	14.37	AV	30.00	400	Vertical	Pass
3	5757.800	103.83	--	--	Peak	64.00	150	Vertical	N/A
3**	5757.800	96.92	--	--	AV	64.00	150	Vertical	N/A
4	7559.475	49.54	74.0	24.46	Peak	7.00	400	Vertical	Pass
4**	7559.475	40.39	54.0	13.61	AV	7.00	400	Vertical	Pass
5	11826.550	52.13	74.0	21.87	Peak	294.00	100	Vertical	Pass
5**	11826.550	42.68	54.0	11.32	AV	294.00	100	Vertical	Pass
6	16024.688	54.29	74.0	19.71	Peak	360.00	300	Vertical	Pass
6**	16024.688	44.10	54.0	9.90	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1465.500	38.11	74.0	35.89	Peak	287.00	300	Horizontal	Pass
1**	1465.500	28.43	54.0	25.57	AV	287.00	300	Horizontal	Pass
2	4278.600	50.78	74.0	23.22	Peak	322.00	100	Horizontal	Pass
2**	4278.600	40.06	54.0	13.94	AV	322.00	100	Horizontal	Pass
3	5785.000	105.51	--	--	Peak	109.00	200	Horizontal	N/A
3**	5785.000	97.28	--	--	AV	109.00	200	Horizontal	N/A
4	7464.600	49.51	74.0	24.49	Peak	0.00	400	Horizontal	Pass
4**	7464.600	40.14	54.0	13.86	AV	0.00	400	Horizontal	Pass
5	11826.838	51.61	74.0	22.39	Peak	360.00	200	Horizontal	Pass
5**	11826.838	41.77	54.0	12.23	AV	360.00	200	Horizontal	Pass
6	15562.162	53.93	74.0	20.07	Peak	0.00	150	Horizontal	Pass
6**	15562.162	43.41	54.0	10.59	AV	0.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.900	38.78	74.0	35.22	Peak	336.00	100	Vertical	Pass
1**	1575.900	28.56	54.0	25.44	AV	336.00	100	Vertical	Pass
2	4883.000	52.79	74.0	21.21	Peak	264.00	150	Vertical	Pass
2**	4883.000	43.01	54.0	10.99	AV	264.00	150	Vertical	Pass
3	5788.600	102.33	--	--	Peak	64.00	100	Vertical	N/A
3**	5788.600	94.81	--	--	AV	64.00	100	Vertical	N/A
4	7511.462	49.80	74.0	24.20	Peak	196.00	100	Vertical	Pass
4**	7511.462	41.07	54.0	12.93	AV	196.00	100	Vertical	Pass
5	11943.276	51.37	74.0	22.63	Peak	163.00	100	Vertical	Pass
5**	11943.276	41.65	54.0	12.35	AV	163.00	100	Vertical	Pass
6	16174.312	53.81	74.0	20.19	Peak	228.00	200	Vertical	Pass
6**	16174.312	43.59	54.0	10.41	AV	228.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.000	38.42	74.0	35.58	Peak	92.00	400	Horizontal	Pass
1**	1480.000	28.73	54.0	25.27	AV	92.00	400	Horizontal	Pass
2	4236.600	49.80	74.0	24.20	Peak	349.00	200	Horizontal	Pass
2**	4236.600	39.77	54.0	14.23	AV	349.00	200	Horizontal	Pass
3	5738.600	110.09	--	--	Peak	100.00	150	Horizontal	N/A
3**	5738.600	102.03	--	--	AV	100.00	150	Horizontal	N/A
4	7557.175	49.66	74.0	24.34	Peak	360.00	300	Horizontal	Pass
4**	7557.175	40.04	54.0	13.96	AV	360.00	300	Horizontal	Pass
5	11767.612	51.27	74.0	22.73	Peak	360.00	150	Horizontal	Pass
5**	11767.612	42.88	54.0	11.12	AV	360.00	150	Horizontal	Pass
6	15818.625	53.96	74.0	20.04	Peak	169.00	300	Horizontal	Pass
6**	15818.625	44.56	54.0	9.44	AV	169.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.800	38.23	74.0	35.77	Peak	360.00	300	Vertical	Pass
1**	1582.800	28.67	54.0	25.33	AV	360.00	300	Vertical	Pass
2	4376.000	50.57	74.0	23.43	Peak	165.00	300	Vertical	Pass
2**	4376.000	40.32	54.0	13.68	AV	165.00	300	Vertical	Pass
3	5749.800	107.17	--	--	Peak	64.00	150	Vertical	N/A
3**	5749.800	98.65	--	--	AV	64.00	150	Vertical	N/A
4	7547.400	49.98	74.0	24.02	Peak	0.00	300	Vertical	Pass
4**	7547.400	40.48	54.0	13.52	AV	0.00	300	Vertical	Pass
5	11929.763	53.06	74.0	20.94	Peak	196.00	100	Vertical	Pass
5**	11929.763	42.28	54.0	11.72	AV	196.00	100	Vertical	Pass
6	15562.424	54.11	74.0	19.89	Peak	35.00	400	Vertical	Pass
6**	15562.424	44.73	54.0	9.27	AV	35.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.900	38.62	74.0	35.38	Peak	342.00	400	Horizontal	Pass
1**	1443.900	28.85	54.0	25.15	AV	342.00	400	Horizontal	Pass
2	4189.400	49.87	74.0	24.13	Peak	41.00	400	Horizontal	Pass
2**	4189.400	40.12	54.0	13.88	AV	41.00	400	Horizontal	Pass
3	5783.800	108.73	--	--	Peak	109.00	150	Horizontal	N/A
3**	5783.800	101.01	--	--	AV	109.00	150	Horizontal	N/A
4	7336.663	49.94	74.0	24.06	Peak	225.00	400	Horizontal	Pass
4**	7336.663	40.03	54.0	13.97	AV	225.00	400	Horizontal	Pass
5	11764.450	51.30	74.0	22.70	Peak	157.00	200	Horizontal	Pass
5**	11764.450	42.34	54.0	11.66	AV	157.00	200	Horizontal	Pass
6	15825.713	53.85	74.0	20.15	Peak	280.00	400	Horizontal	Pass
6**	15825.713	44.83	54.0	9.17	AV	280.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1620.800	37.88	74.0	36.12	Peak	343.00	400	Vertical	Pass
1**	1620.800	29.27	54.0	24.73	AV	343.00	400	Vertical	Pass
2	4002.000	49.69	74.0	24.31	Peak	0.00	200	Vertical	Pass
2**	4002.000	40.68	54.0	13.32	AV	0.00	200	Vertical	Pass
3	5782.400	105.79	--	--	Peak	65.00	100	Vertical	N/A
3**	5782.400	98.16	--	--	AV	65.00	100	Vertical	N/A
4	7427.513	49.81	74.0	24.19	Peak	245.00	400	Vertical	Pass
4**	7427.513	39.49	54.0	14.51	AV	245.00	400	Vertical	Pass
5	11230.850	51.20	74.0	22.80	Peak	212.00	200	Vertical	Pass
5**	11230.850	40.98	54.0	13.02	AV	212.00	200	Vertical	Pass
6	15830.700	54.39	74.0	19.61	Peak	55.00	200	Vertical	Pass
6**	15830.700	44.68	54.0	9.32	AV	55.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.800	39.06	74.0	34.94	Peak	282.00	400	Horizontal	Pass
1**	1587.800	28.94	54.0	25.06	AV	282.00	400	Horizontal	Pass
2	4386.400	49.44	74.0	24.56	Peak	0.00	200	Horizontal	Pass
2**	4386.400	40.76	54.0	13.24	AV	0.00	200	Horizontal	Pass
3	5829.600	108.08	--	--	Peak	109.00	100	Horizontal	N/A
3**	5829.600	100.96	--	--	AV	109.00	100	Horizontal	N/A
4	7558.325	49.78	74.0	24.22	Peak	124.00	100	Horizontal	Pass
4**	7558.325	40.65	54.0	13.35	AV	124.00	100	Horizontal	Pass
5	11337.224	51.55	74.0	22.45	Peak	124.00	200	Horizontal	Pass
5**	11337.224	42.76	54.0	11.24	AV	124.00	200	Horizontal	Pass
6	16010.512	53.66	74.0	20.34	Peak	211.00	100	Horizontal	Pass
6**	16010.512	43.84	54.0	10.16	AV	211.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.700	38.06	74.0	35.94	Peak	92.00	100	Vertical	Pass
1**	1541.700	29.47	54.0	24.53	AV	92.00	100	Vertical	Pass
2	4224.200	49.74	74.0	24.26	Peak	343.00	100	Vertical	Pass
2**	4224.200	42.32	54.0	11.68	AV	343.00	100	Vertical	Pass
3	5823.200	104.58	--	--	Peak	63.00	100	Vertical	N/A
3**	5823.200	96.69	--	--	AV	63.00	100	Vertical	N/A
4	7470.063	50.21	74.0	23.79	Peak	263.00	300	Vertical	Pass
4**	7470.063	40.74	54.0	13.26	AV	263.00	300	Vertical	Pass
5	11781.987	51.56	74.0	22.44	Peak	59.00	200	Vertical	Pass
5**	11781.987	42.81	54.0	11.19	AV	59.00	200	Vertical	Pass
6	16089.263	53.44	74.0	20.56	Peak	232.00	300	Vertical	Pass
6**	16089.263	44.76	54.0	9.24	AV	232.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.900	38.59	74.0	35.41	Peak	42.00	400	Horizontal	Pass
1**	1485.900	28.94	54.0	25.06	AV	42.00	400	Horizontal	Pass
2	4377.600	49.51	74.0	24.49	Peak	295.00	100	Horizontal	Pass
2**	4377.600	41.80	54.0	12.20	AV	295.00	100	Horizontal	Pass
3	5752.000	107.61	--	--	Peak	109.00	150	Horizontal	N/A
3**	5752.000	99.05	--	--	AV	109.00	150	Horizontal	N/A
4	7604.038	49.64	74.0	24.36	Peak	262.00	200	Horizontal	Pass
4**	7604.038	40.72	54.0	13.28	AV	262.00	200	Horizontal	Pass
5	10929.838	51.80	74.0	22.20	Peak	228.00	100	Horizontal	Pass
5**	10929.838	42.50	54.0	11.50	AV	228.00	100	Horizontal	Pass
6	15807.600	54.42	74.0	19.58	Peak	94.00	300	Horizontal	Pass
6**	15807.600	43.81	54.0	10.19	AV	94.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.600	38.25	74.0	35.75	Peak	360.00	100	Vertical	Pass
1**	1600.600	28.72	54.0	25.28	AV	360.00	100	Vertical	Pass
2	3997.400	49.81	74.0	24.19	Peak	40.00	400	Vertical	Pass
2**	3997.400	39.92	54.0	14.08	AV	40.00	400	Vertical	Pass
3	5760.000	103.97	--	--	Peak	63.00	100	Vertical	N/A
3**	5760.000	96.47	--	--	AV	63.00	100	Vertical	N/A
4	7466.038	50.48	74.0	23.52	Peak	179.00	100	Vertical	Pass
4**	7466.038	40.55	54.0	13.45	AV	179.00	100	Vertical	Pass
5	11337.800	51.87	74.0	22.13	Peak	76.00	200	Vertical	Pass
5**	11337.800	43.78	54.0	10.22	AV	76.00	200	Vertical	Pass
6	15839.100	54.17	74.0	19.83	Peak	344.00	400	Vertical	Pass
6**	15839.100	44.24	54.0	9.76	AV	344.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.900	38.19	74.0	35.81	Peak	109.00	400	Horizontal	Pass
1**	1584.900	28.45	54.0	25.55	AV	109.00	400	Horizontal	Pass
2	4386.800	50.23	74.0	23.77	Peak	284.00	200	Horizontal	Pass
2**	4386.800	41.37	54.0	12.63	AV	284.00	200	Horizontal	Pass
3	5788.200	106.40	--	--	Peak	114.00	200	Horizontal	N/A
3**	5788.200	97.48	--	--	AV	114.00	200	Horizontal	N/A
4	7536.187	49.76	74.0	24.24	Peak	190.00	100	Horizontal	Pass
4**	7536.187	40.44	54.0	13.56	AV	190.00	100	Horizontal	Pass
5	11763.875	52.10	74.0	21.90	Peak	360.00	150	Horizontal	Pass
5**	11763.875	42.48	54.0	11.52	AV	360.00	150	Horizontal	Pass
6	15813.112	53.70	74.0	20.30	Peak	0.00	200	Horizontal	Pass
6**	15813.112	44.64	54.0	9.36	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.900	38.26	74.0	35.74	Peak	232.00	100	Vertical	Pass
1**	1458.900	28.77	54.0	25.23	AV	232.00	100	Vertical	Pass
2	4010.400	49.85	74.0	24.15	Peak	20.00	100	Vertical	Pass
2**	4010.400	39.93	54.0	14.07	AV	20.00	100	Vertical	Pass
3	5782.600	102.89	--	--	Peak	65.00	100	Vertical	N/A
3**	5782.600	95.24	--	--	AV	65.00	100	Vertical	N/A
4	7443.900	49.32	74.0	24.68	Peak	195.00	200	Vertical	Pass
4**	7443.900	41.49	54.0	12.51	AV	195.00	200	Vertical	Pass
5	11324.287	51.46	74.0	22.54	Peak	145.00	150	Vertical	Pass
5**	11324.287	41.50	54.0	12.50	AV	145.00	150	Vertical	Pass
6	16106.849	53.50	74.0	20.50	Peak	18.00	400	Vertical	Pass
6**	16106.849	44.28	54.0	9.72	AV	18.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.800	38.19	74.0	35.81	Peak	260.00	300	Horizontal	Pass
1**	1493.800	28.48	54.0	25.52	AV	260.00	300	Horizontal	Pass
2	4298.600	50.29	74.0	23.71	Peak	63.00	300	Horizontal	Pass
2**	4298.600	40.79	54.0	13.21	AV	63.00	300	Horizontal	Pass
3	5753.200	103.56	--	--	Peak	109.00	200	Horizontal	N/A
3**	5753.200	95.44	--	--	AV	109.00	200	Horizontal	N/A
4	7506.000	49.77	74.0	24.23	Peak	111.00	300	Horizontal	Pass
4**	7506.000	41.14	54.0	12.86	AV	111.00	300	Horizontal	Pass
5	11775.950	51.25	74.0	22.75	Peak	24.00	150	Horizontal	Pass
5**	11775.950	42.64	54.0	11.36	AV	24.00	150	Horizontal	Pass
6	16097.662	53.92	74.0	20.08	Peak	253.00	100	Horizontal	Pass
6**	16097.662	45.44	54.0	8.56	AV	253.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.900	39.16	74.0	34.84	Peak	76.00	400	Vertical	Pass
1**	1546.900	29.07	54.0	24.93	AV	76.00	400	Vertical	Pass
2	3999.600	49.79	74.0	24.21	Peak	360.00	300	Vertical	Pass
2**	3999.600	39.82	54.0	14.18	AV	360.00	300	Vertical	Pass
3	5781.600	100.56	--	--	Peak	64.00	150	Vertical	N/A
3**	5781.600	91.56	--	--	AV	64.00	150	Vertical	N/A
4	7455.688	49.36	74.0	24.64	Peak	126.00	200	Vertical	Pass
4**	7455.688	40.47	54.0	13.53	AV	126.00	200	Vertical	Pass
5	11765.026	51.61	74.0	22.39	Peak	126.00	100	Vertical	Pass
5**	11765.026	42.31	54.0	11.69	AV	126.00	100	Vertical	Pass
6	15843.826	54.24	74.0	19.76	Peak	192.00	400	Vertical	Pass
6**	15843.826	44.81	54.0	9.19	AV	192.00	400	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

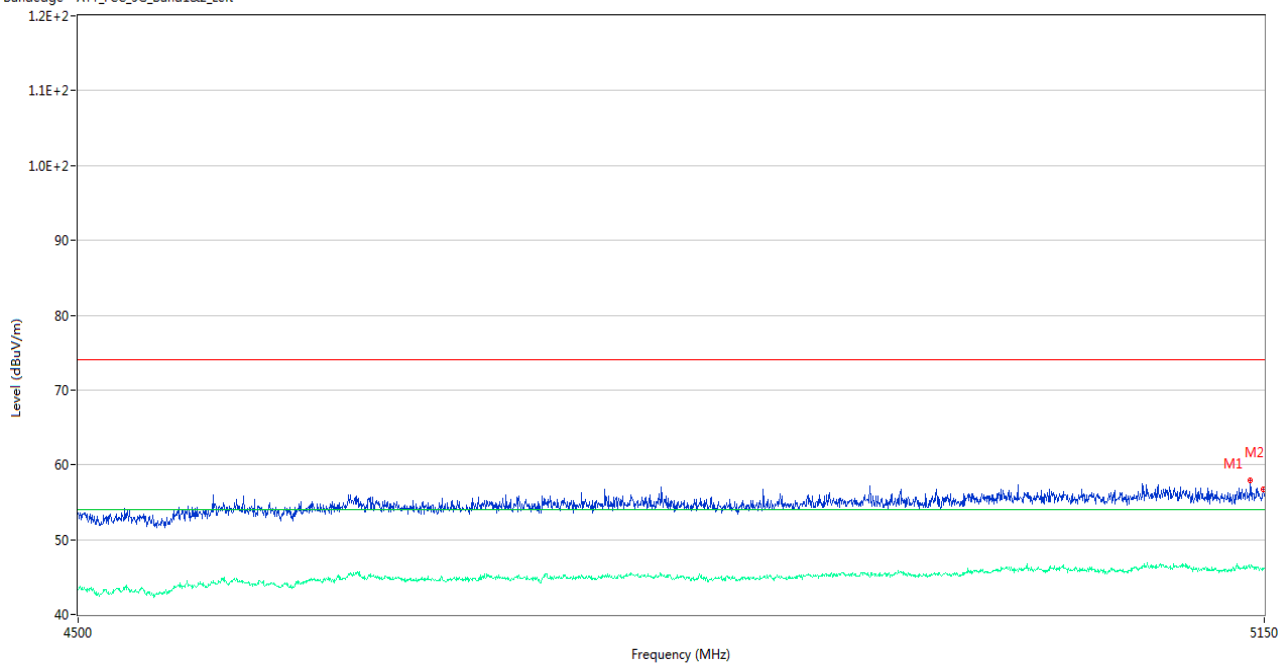
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low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

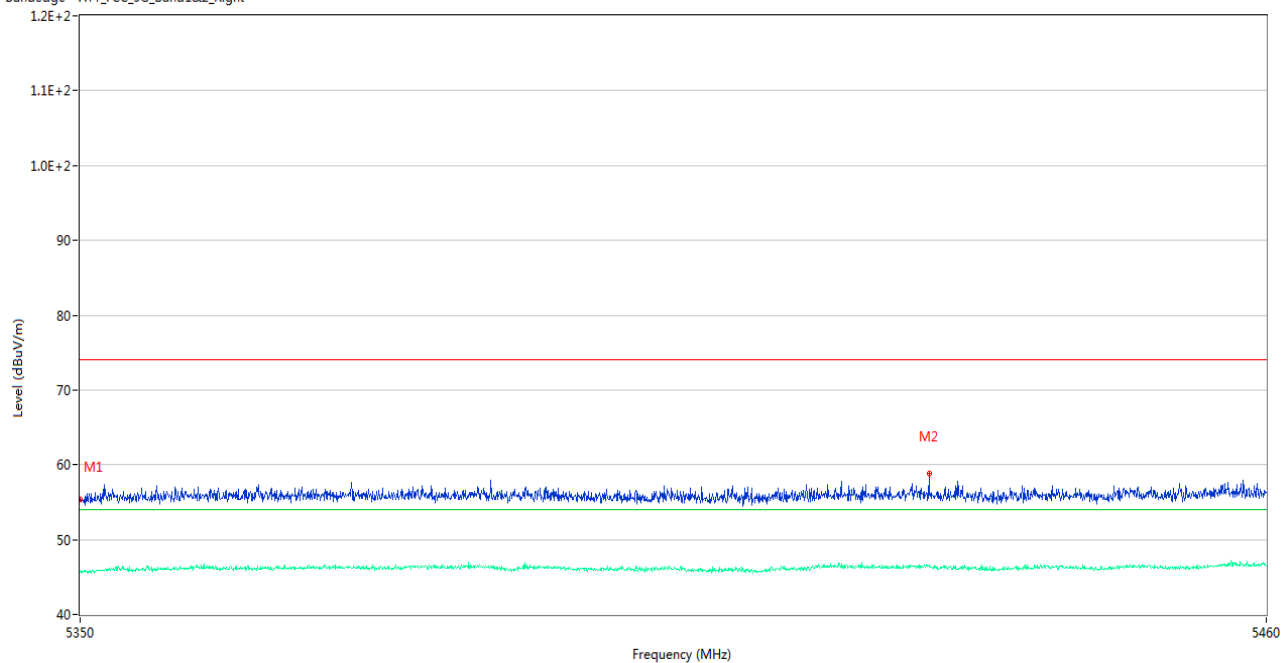
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5141.875	57.92	74.0	16.08	Peak	360.00	200	Horizontal	Pass
1**	5141.875	46.20	54.0	7.80	AV	360.00	200	Horizontal	Pass
2	5149.675	56.74	74.0	17.26	Peak	102.00	100	Horizontal	Pass
2**	5149.675	46.12	54.0	7.88	AV	102.00	100	Horizontal	Pass

U-NII-1 11a High Channel

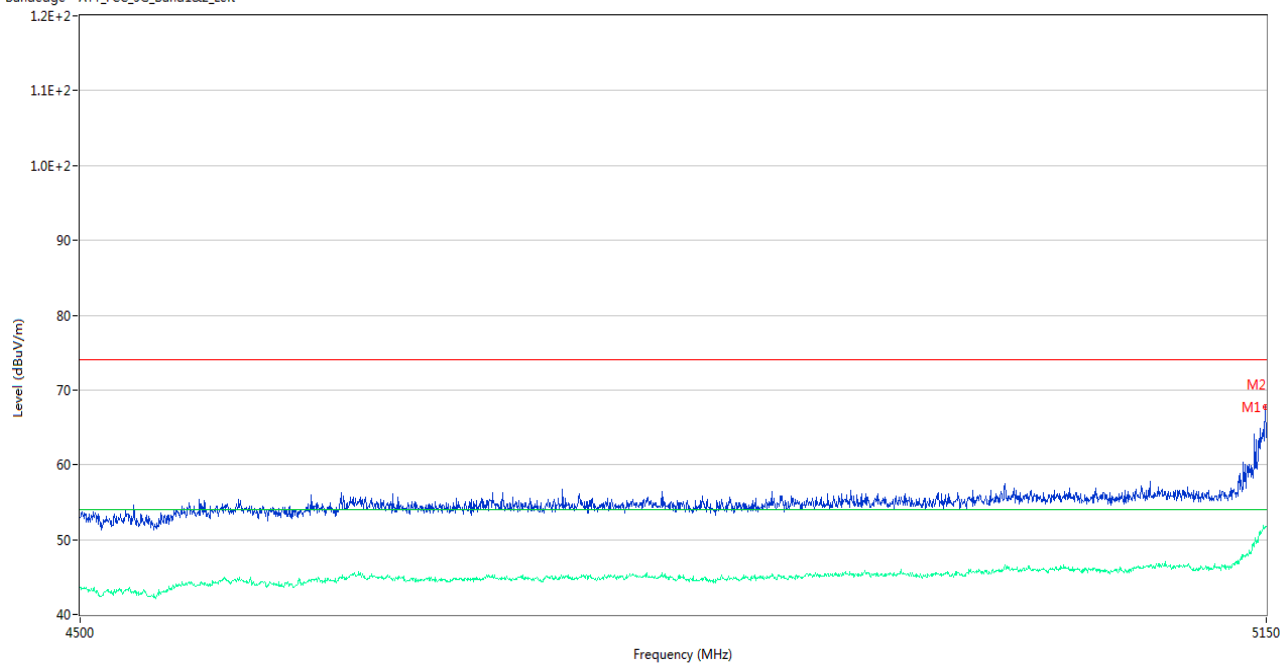
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.29	74.0	18.71	Peak	263.00	200	Horizontal	Pass
1**	5350.000	45.69	54.0	8.31	AV	263.00	200	Horizontal	Pass
2	5428.485	58.80	74.0	15.20	Peak	336.00	100	Horizontal	Pass
2**	5428.485	46.63	54.0	7.37	AV	336.00	100	Horizontal	Pass

U-NII-1 11n20 Low Channel

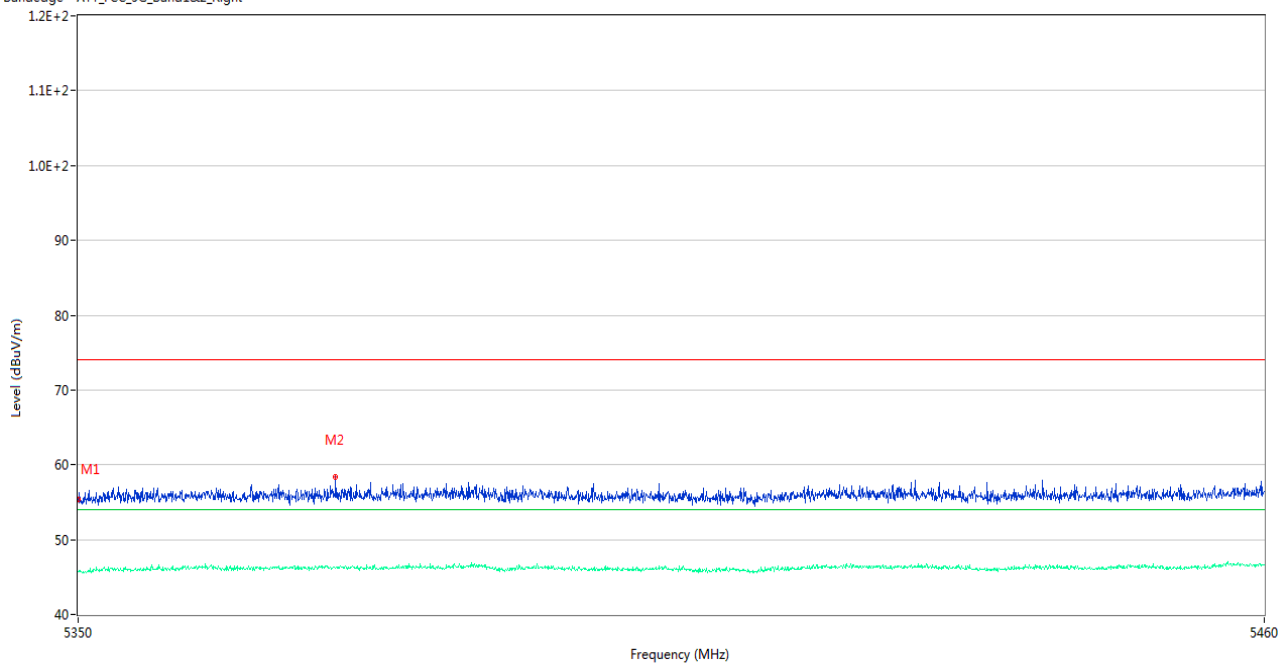
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	67.79	74.0	6.21	Peak	104.00	200	Horizontal	Pass
1**	5149.675	51.61	54.0	2.39	AV	104.00	200	Horizontal	Pass
2	5149.675	67.79	74.0	6.21	Peak	104.00	200	Horizontal	Pass
2**	5149.675	51.61	54.0	2.39	AV	104.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel

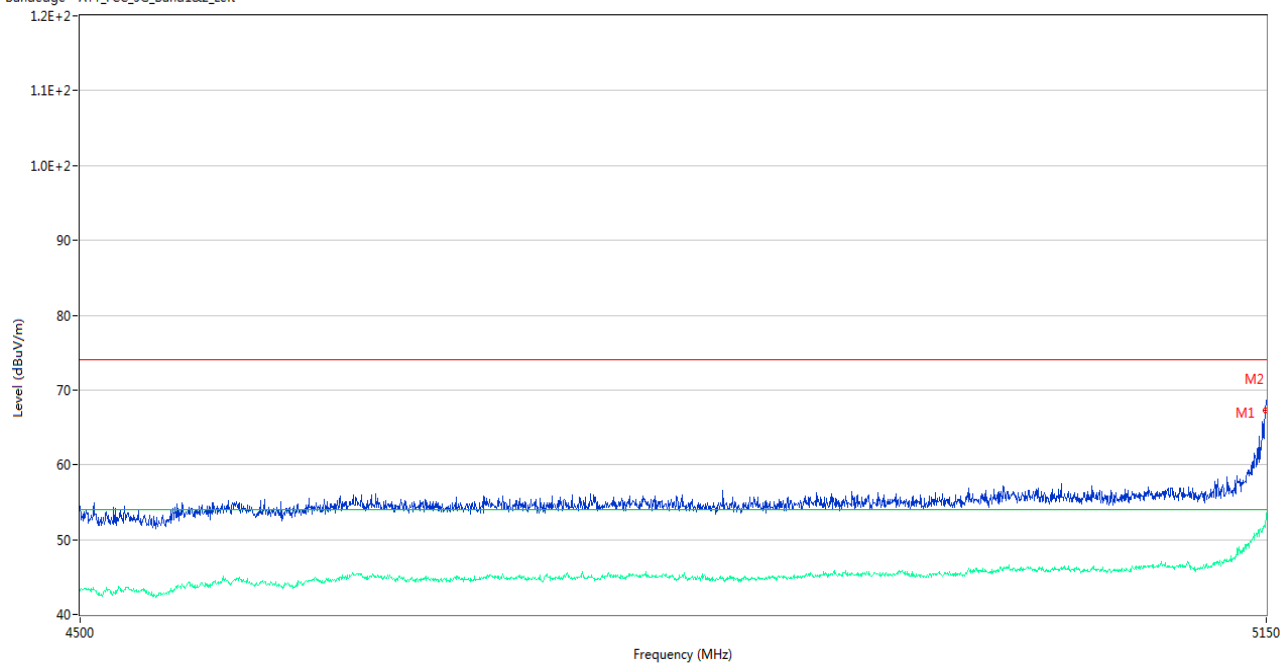
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.42	74.0	18.58	Peak	164.00	100	Horizontal	Pass
1**	5350.000	45.69	54.0	8.31	AV	164.00	100	Horizontal	Pass
2	5373.705	58.35	74.0	15.65	Peak	69.00	150	Horizontal	Pass
2**	5373.705	46.19	54.0	7.81	AV	69.00	150	Horizontal	Pass

U-NII-1 11n40 Low Channel

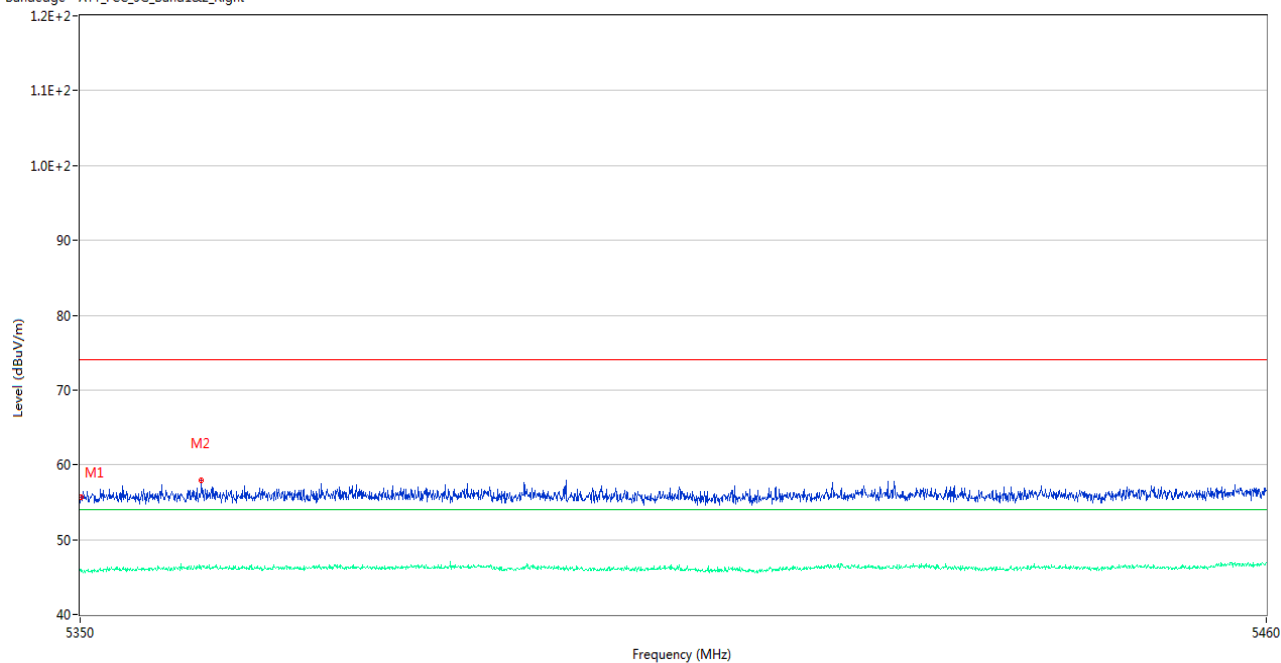
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	67.25	74.0	6.75	Peak	110.00	200	Horizontal	Pass
1**	5149.675	51.59	54.0	2.41	AV	110.00	200	Horizontal	Pass
2	5149.675	67.25	74.0	6.75	Peak	110.00	100	Horizontal	Pass
2**	5149.675	51.59	54.0	2.41	AV	110.00	100	Horizontal	Pass

U-NII-1 11n40 High Channel

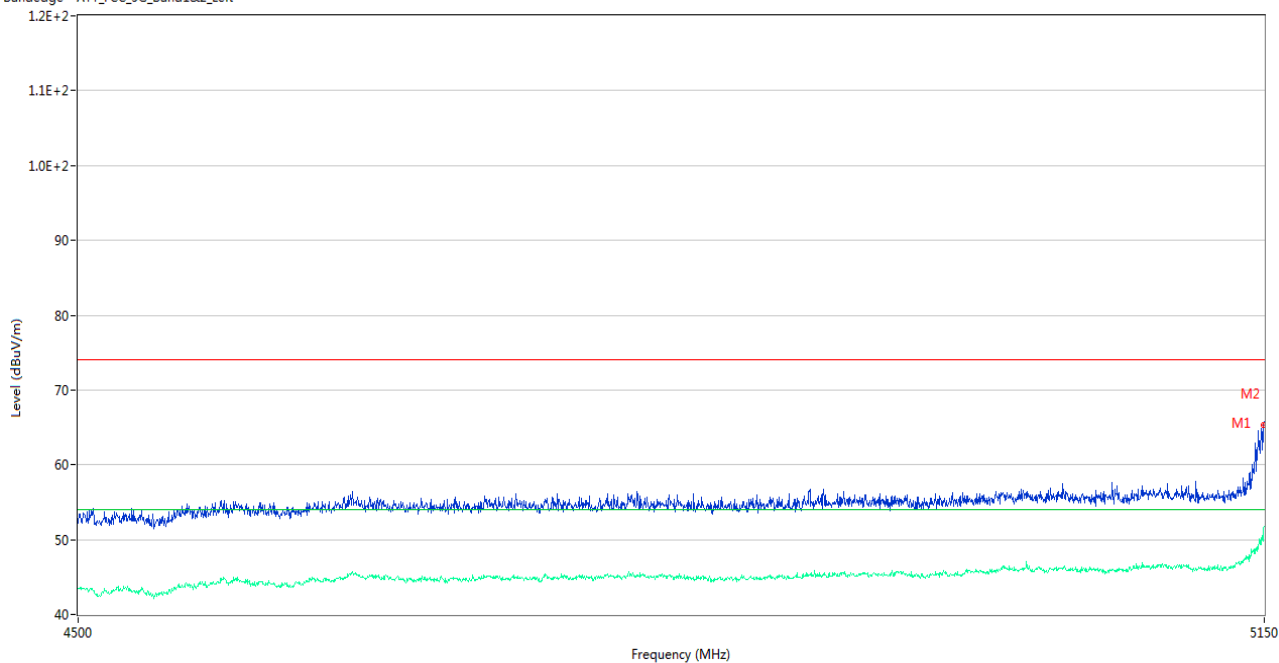
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.63	74.0	18.37	Peak	43.00	150	Horizontal	Pass
1**	5350.055	45.66	54.0	8.34	AV	43.00	150	Horizontal	Pass
2	5361.165	57.92	74.0	16.08	Peak	246.00	100	Horizontal	Pass
2**	5361.165	46.35	54.0	7.65	AV	246.00	100	Horizontal	Pass

U-NII-1 11ac20 Low Channel

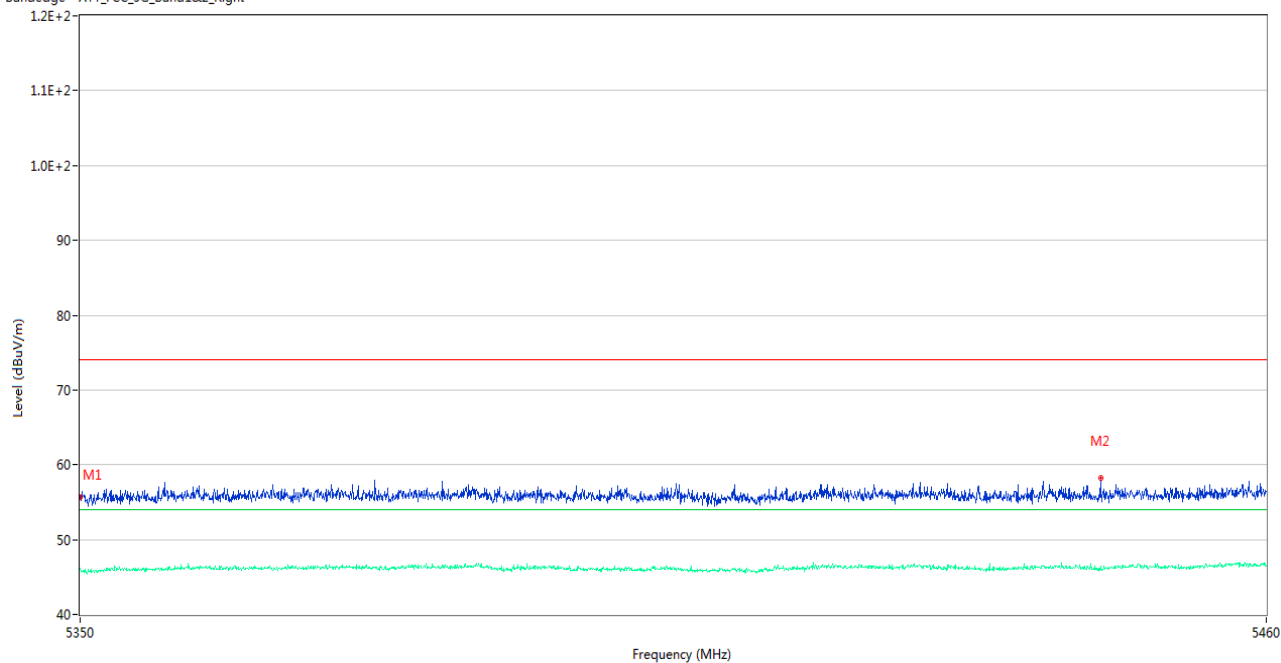
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	65.30	74.0	8.70	Peak	95.00	200	Horizontal	Pass
1**	5149.675	51.44	54.0	2.56	AV	95.00	200	Horizontal	Pass
2	5149.675	65.30	74.0	8.70	Peak	95.00	200	Horizontal	Pass
2**	5149.675	51.44	54.0	2.56	AV	95.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

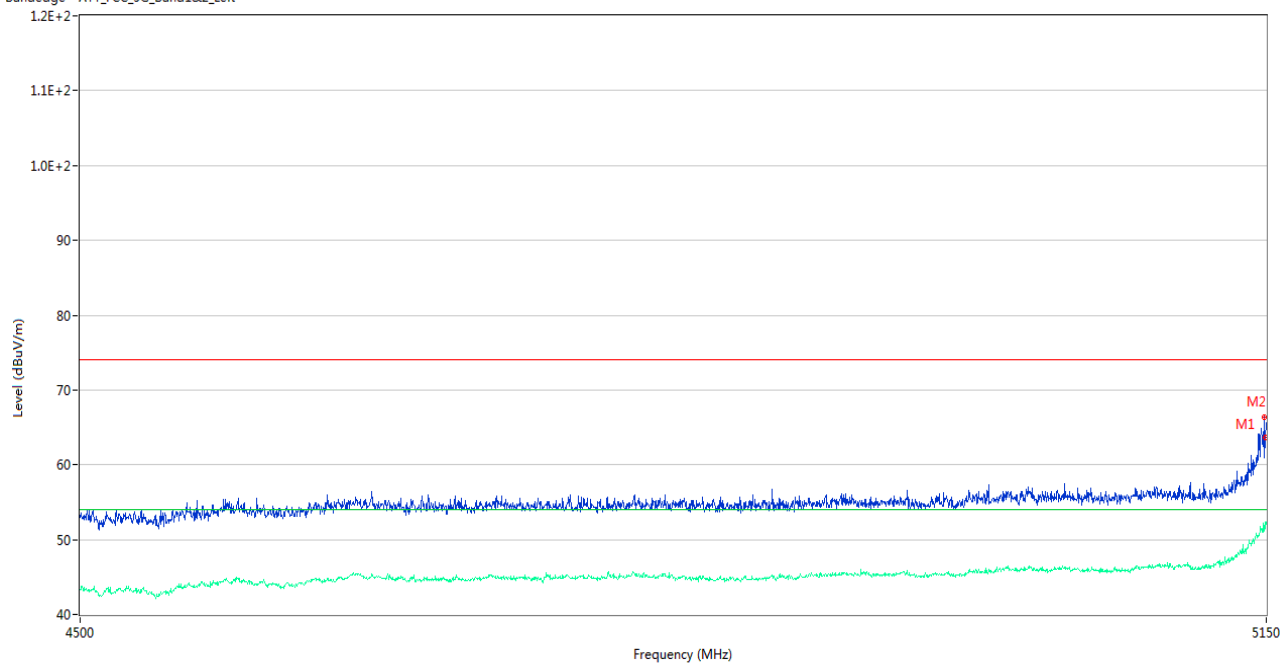
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.65	74.0	18.35	Peak	150.00	100	Horizontal	Pass
1**	5350.000	46.22	54.0	7.78	AV	150.00	100	Horizontal	Pass
2	5444.490	58.25	74.0	15.75	Peak	115.00	200	Horizontal	Pass
2**	5444.490	46.42	54.0	7.58	AV	115.00	200	Horizontal	Pass

U-NII-1 11ac40 Low Channel

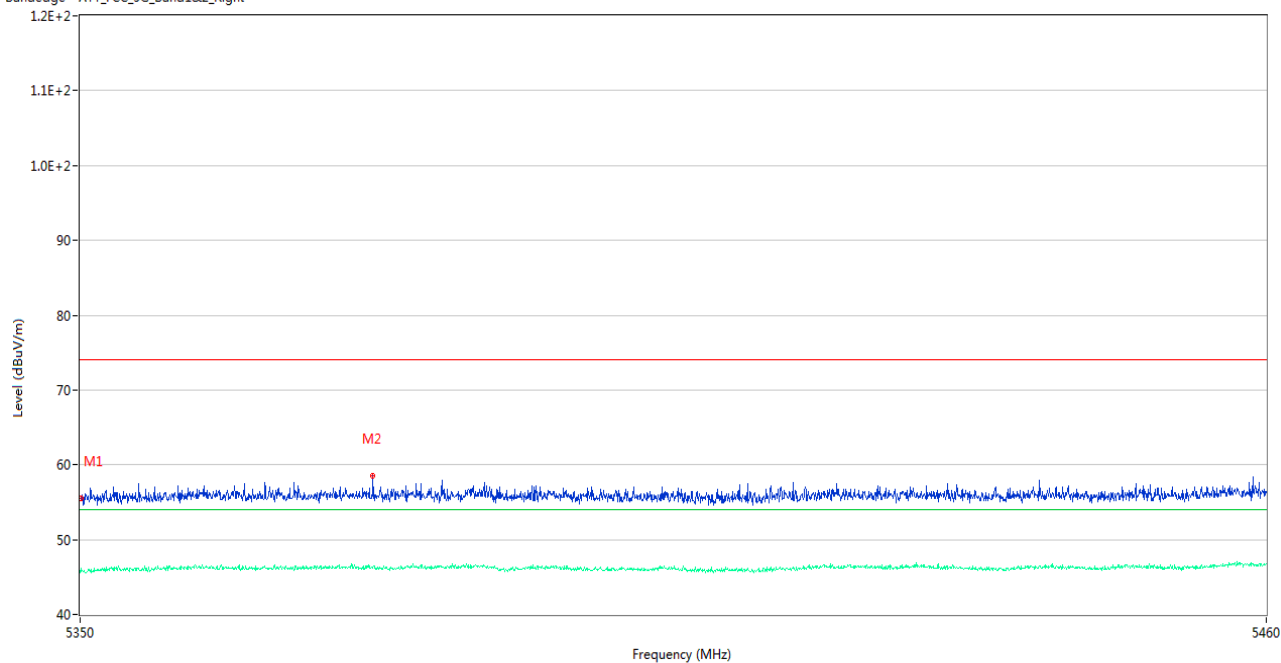
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	66.44	74.0	7.56	Peak	89.00	200	Horizontal	Pass
1**	5149.025	51.54	54.0	2.46	AV	89.00	200	Horizontal	Pass
2	5149.675	63.58	74.0	10.42	Peak	103.00	200	Horizontal	Pass
2**	5149.675	51.44	54.0	2.56	AV	103.00	200	Horizontal	Pass

U-NII-1 11ac40 High Channel

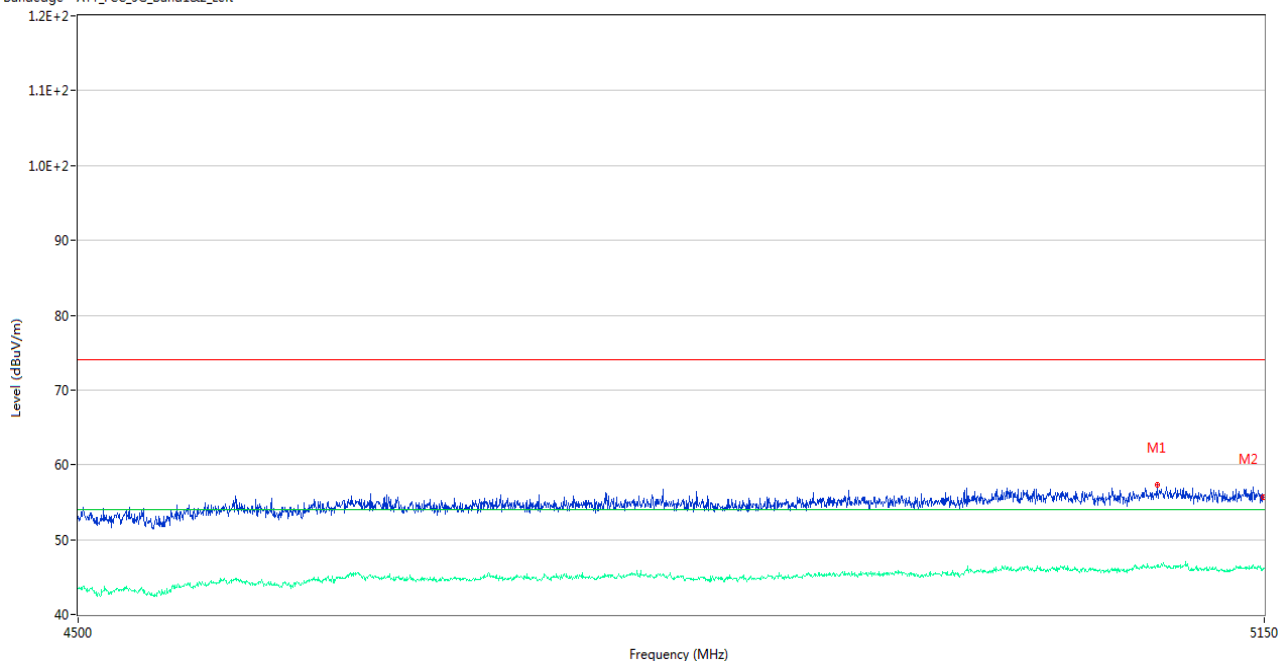
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.53	74.0	18.47	Peak	259.00	150	Horizontal	Pass
1**	5350.055	46.17	54.0	7.83	AV	259.00	150	Horizontal	Pass
2	5376.950	58.48	74.0	15.52	Peak	351.00	100	Horizontal	Pass
2**	5376.950	46.18	54.0	7.82	AV	351.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

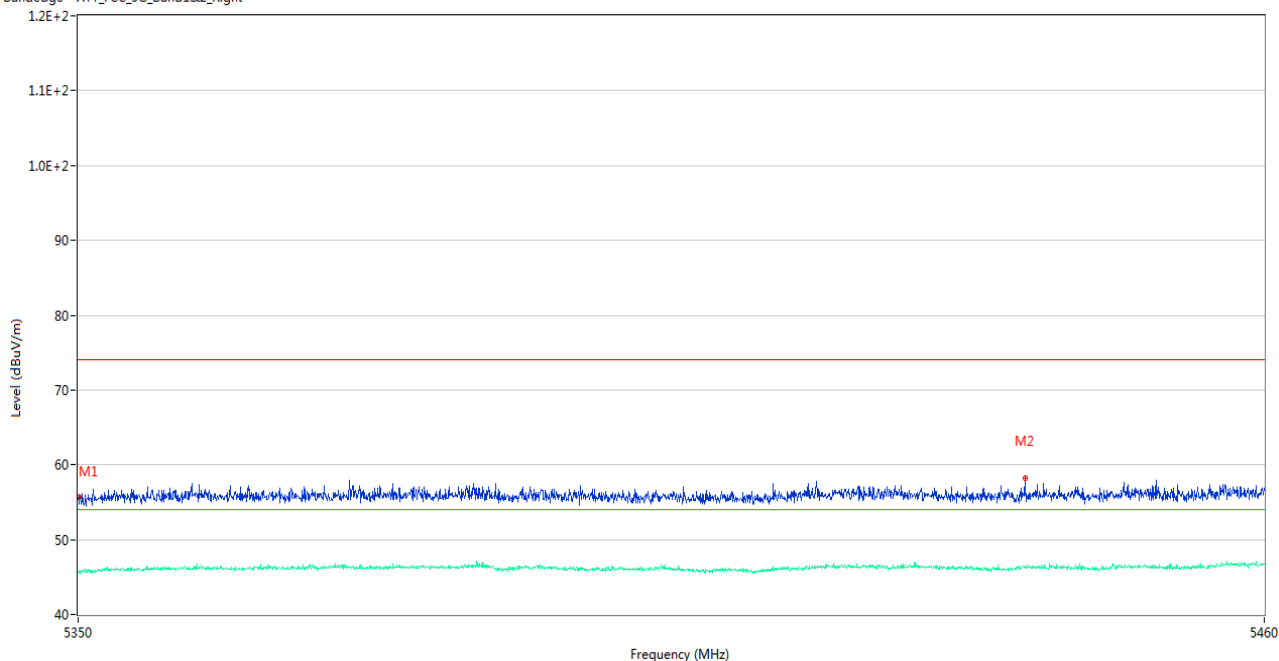
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5087.600	57.30	74.0	16.70	Peak	154.00	100	Horizontal	Pass
1**	5087.600	46.33	54.0	7.67	AV	154.00	100	Horizontal	Pass
2	5149.675	55.60	74.0	18.40	Peak	263.00	150	Horizontal	Pass
2**	5149.675	46.22	54.0	7.78	AV	263.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

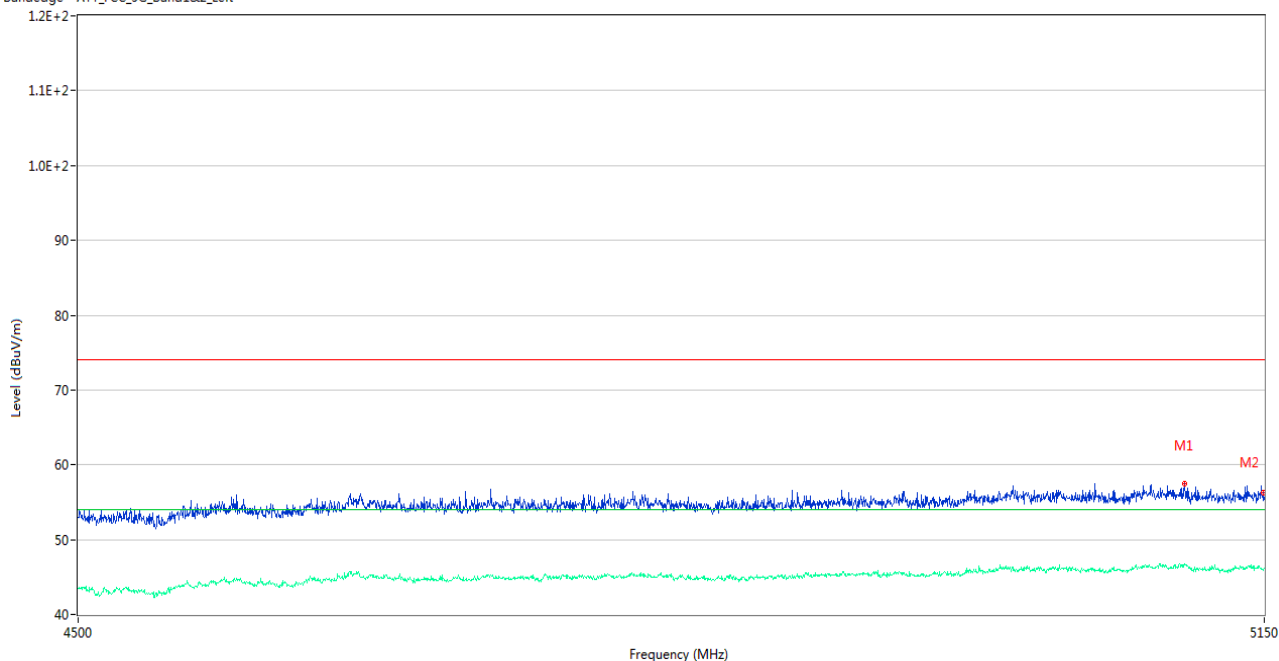
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.66	74.0	18.34	Peak	152.00	100	Horizontal	Pass
1**	5350.055	45.63	54.0	8.37	AV	152.00	100	Horizontal	Pass
2	5437.615	58.19	74.0	15.81	Peak	165.00	150	Horizontal	Pass
2**	5437.615	46.55	54.0	7.45	AV	165.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel

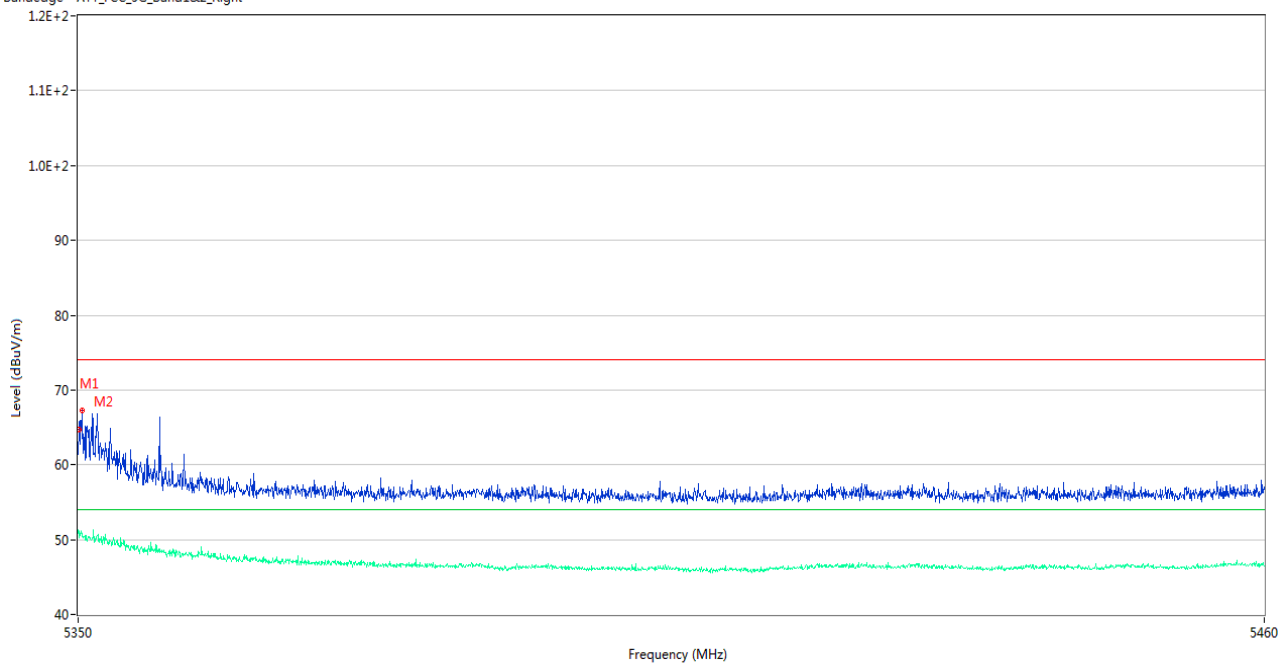
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5103.525	57.52	74.0	16.48	Peak	45.00	200	Horizontal	Pass
1**	5103.525	46.76	54.0	7.24	AV	45.00	200	Horizontal	Pass
2	5149.675	56.24	74.0	17.76	Peak	227.00	150	Horizontal	Pass
2**	5149.675	45.92	54.0	8.08	AV	227.00	150	Horizontal	Pass

U-NII-2A 11a High Channel

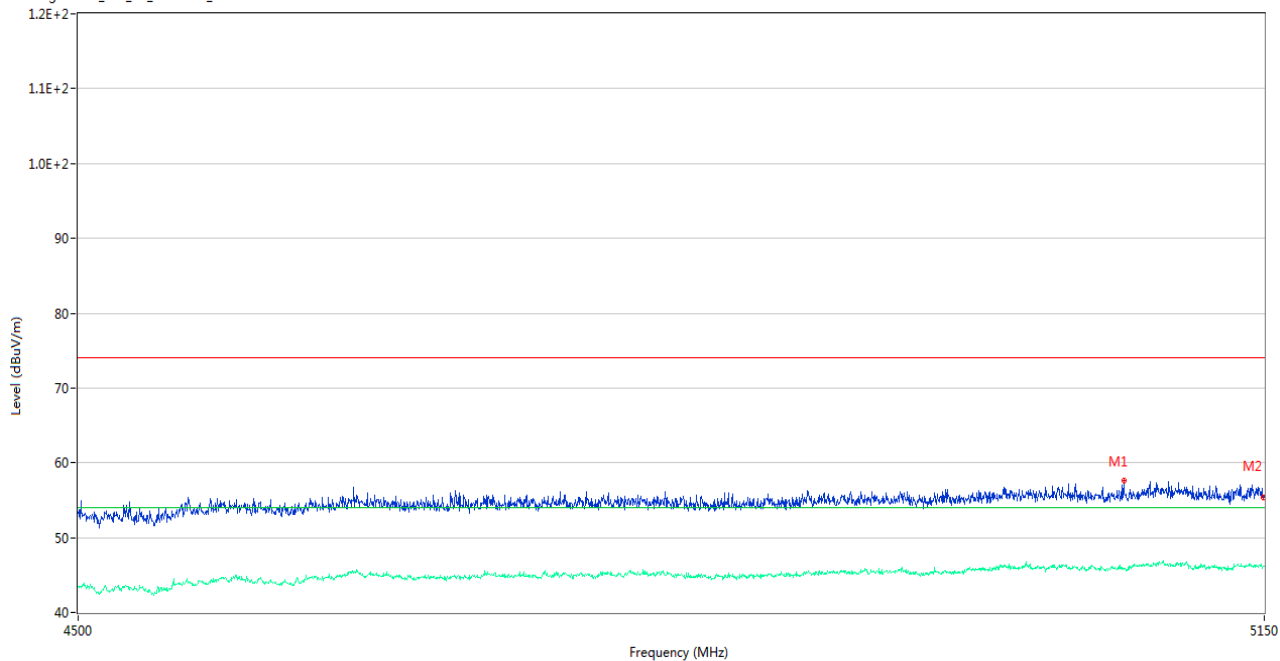
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	64.75	74.0	9.25	Peak	100.00	200	Horizontal	Pass
1**	5350.055	50.26	54.0	3.74	AV	100.00	200	Horizontal	Pass
2	5350.330	67.26	74.0	6.74	Peak	67.00	200	Horizontal	Pass
2**	5350.330	50.44	54.0	3.56	AV	67.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel

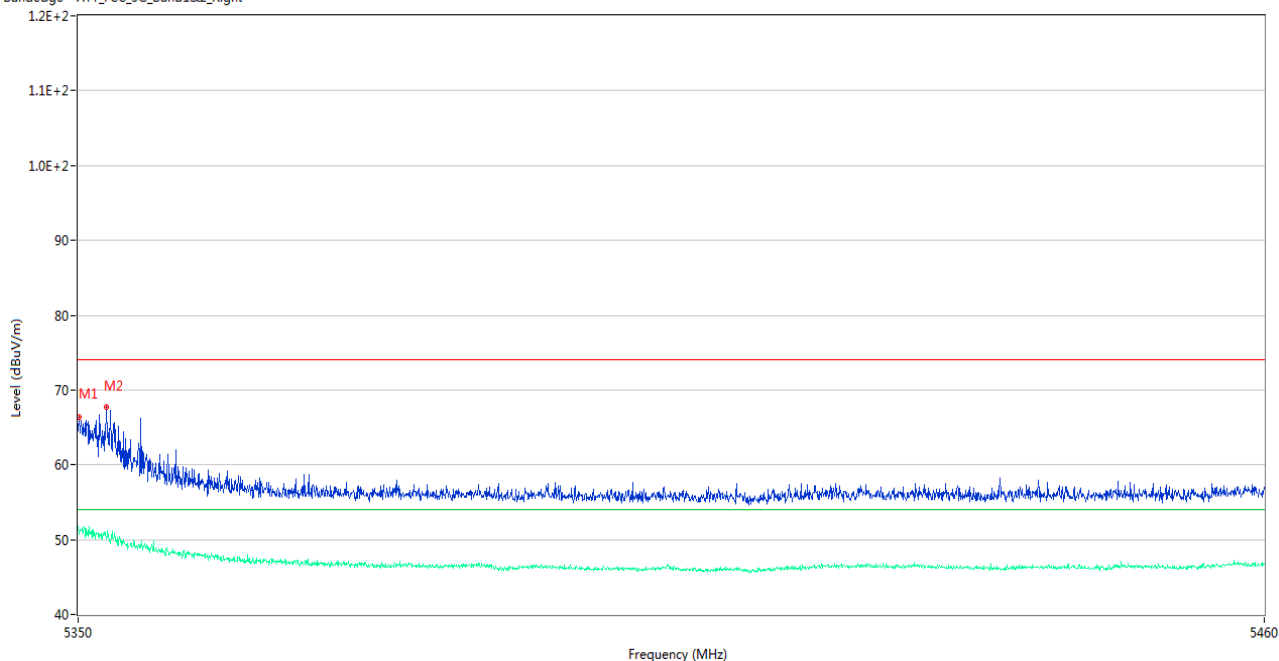
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5068.425	57.58	74.0	16.42	Peak	341.00	200	Horizontal	Pass
1**	5068.425	45.77	54.0	8.23	AV	341.00	200	Horizontal	Pass
2	5149.675	55.44	74.0	18.56	Peak	185.00	100	Horizontal	Pass
2**	5149.675	46.16	54.0	7.84	AV	185.00	100	Horizontal	Pass

U-NII-2A 11n20 High Channel

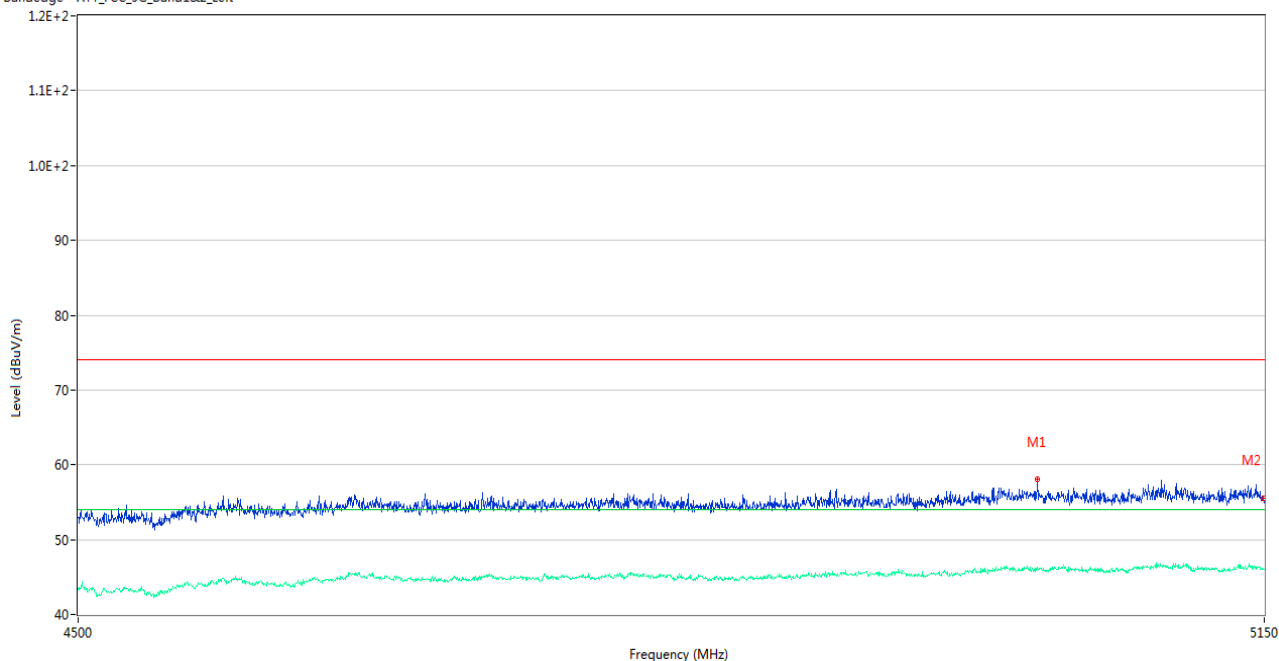
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	66.30	74.0	7.70	Peak	96.00	200	Horizontal	Pass
1**	5350.055	50.87	54.0	3.13	AV	96.00	200	Horizontal	Pass
2	5352.585	67.74	74.0	6.26	Peak	66.00	100	Horizontal	Pass
2**	5352.585	50.03	54.0	3.97	AV	66.00	100	Horizontal	Pass

U-NII-2A 11n40 Low Channel

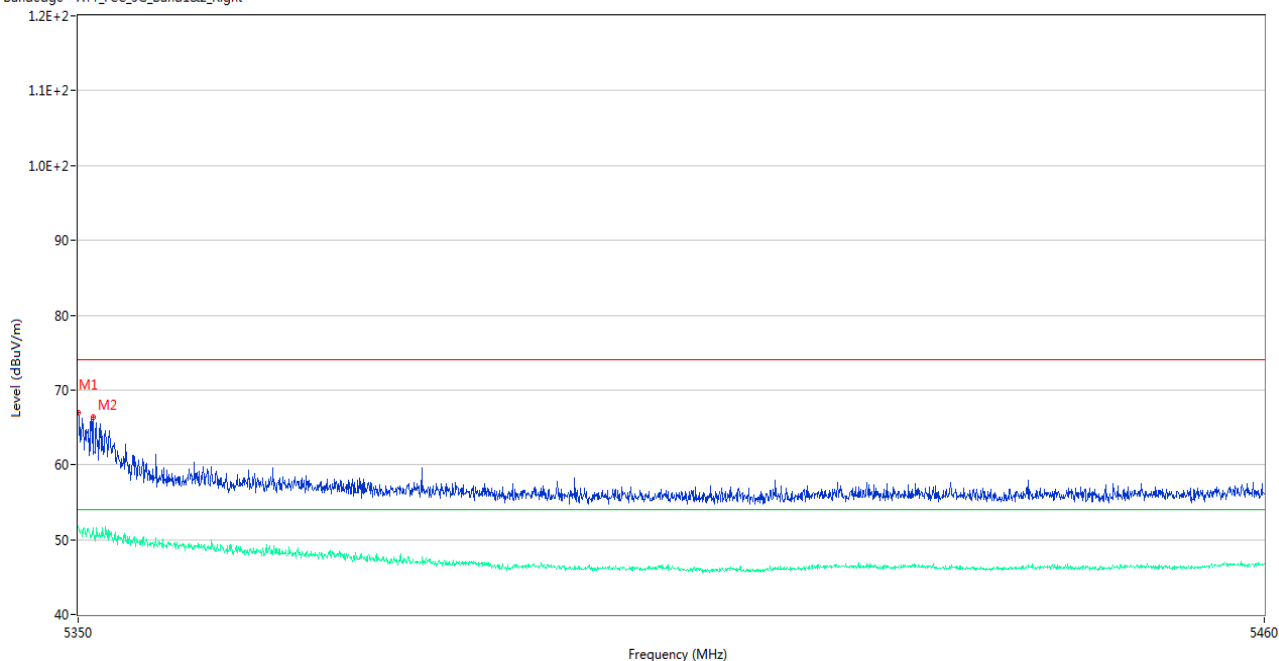
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5019.025	58.02	74.0	15.98	Peak	269.00	200	Horizontal	Pass
1**	5019.025	45.96	54.0	8.04	AV	269.00	200	Horizontal	Pass
2	5149.675	55.57	74.0	18.43	Peak	69.00	200	Horizontal	Pass
2**	5149.675	46.01	54.0	7.99	AV	69.00	200	Horizontal	Pass

U-NII-2A 11n40 High Channel

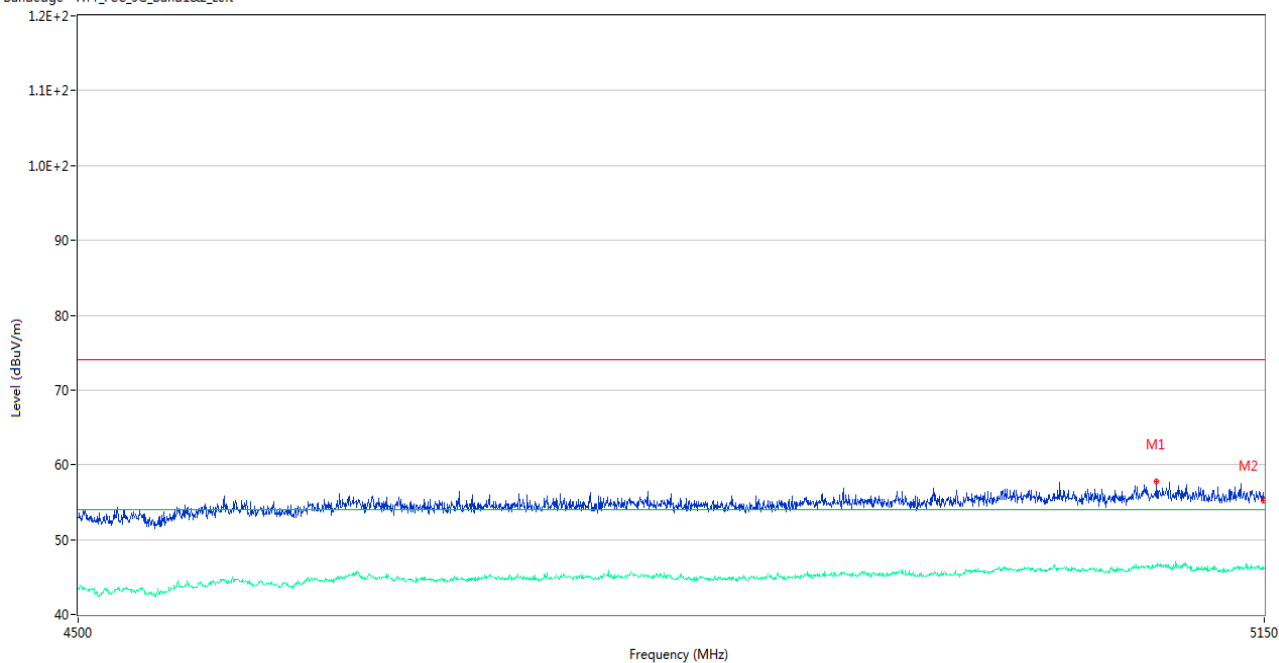
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	66.92	74.0	7.08	Peak	97.00	100	Horizontal	Pass
1**	5350.000	51.74	54.0	2.26	AV	97.00	100	Horizontal	Pass
2	5351.375	66.39	74.0	7.61	Peak	93.00	200	Horizontal	Pass
2**	5351.375	51.62	54.0	2.38	AV	93.00	200	Horizontal	Pass

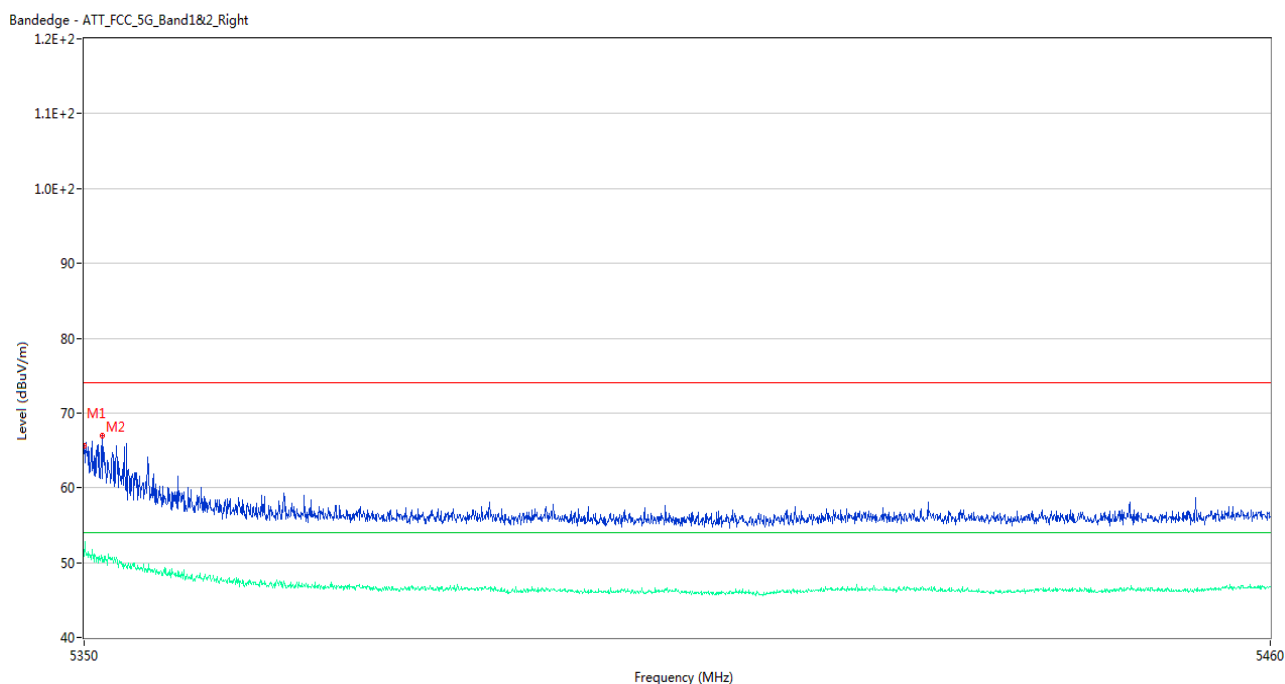
U-NII-2A 11ac20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5087.275	57.76	74.0	16.24	Peak	40.00	150	Horizontal	Pass
1**	5087.275	46.45	54.0	7.55	AV	40.00	150	Horizontal	Pass
2	5149.675	55.24	74.0	18.76	Peak	277.00	150	Horizontal	Pass
2**	5149.675	46.40	54.0	7.60	AV	277.00	150	Horizontal	Pass

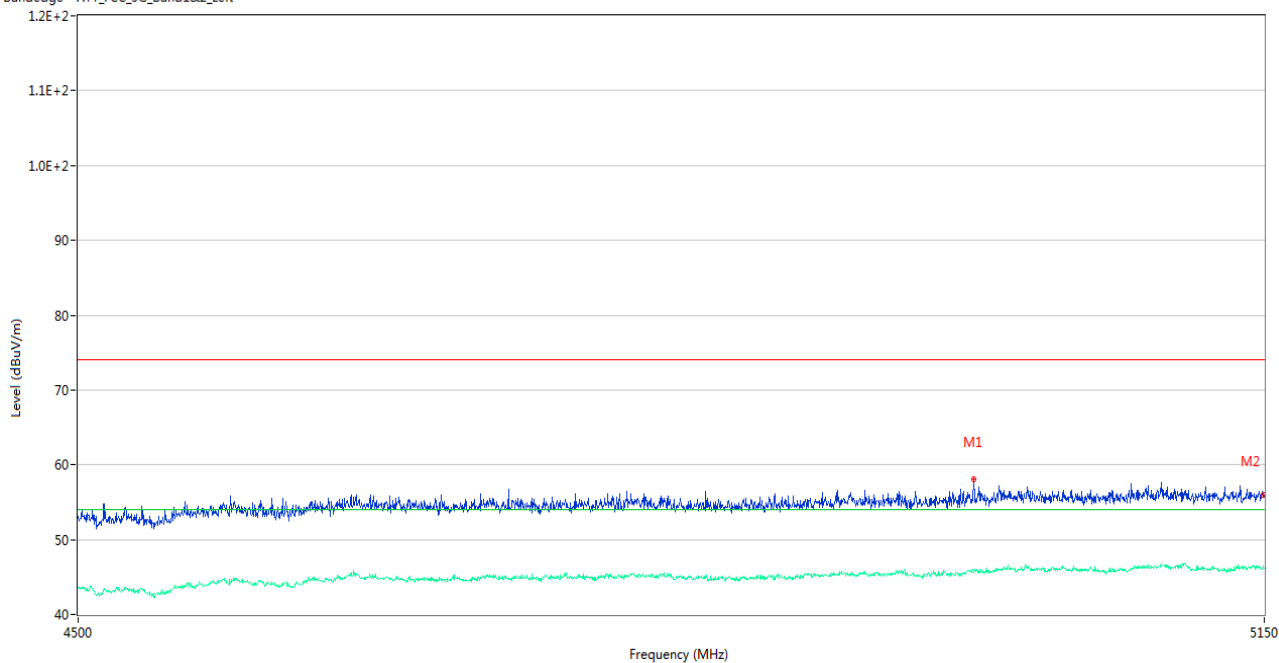
U-NII-2A 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.66	74.0	8.34	Peak	101.00	150	Horizontal	Pass
1**	5350.000	50.89	54.0	3.11	AV	101.00	150	Horizontal	Pass
2	5351.650	66.99	74.0	7.01	Peak	106.00	100	Horizontal	Pass
2**	5351.650	50.05	54.0	3.95	AV	106.00	100	Horizontal	Pass

U-NII-2A 11ac40 Low Channel

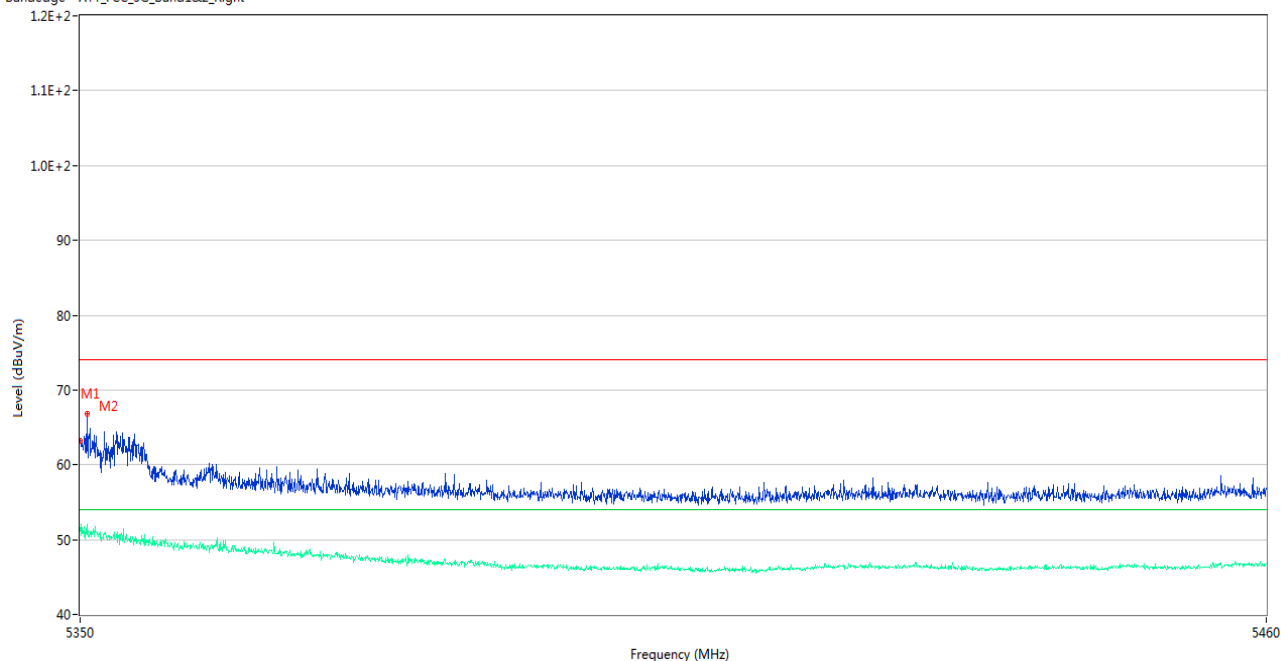
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4982.625	58.04	74.0	15.96	Peak	6.00	200	Horizontal	Pass
1**	4982.625	45.55	54.0	8.45	AV	6.00	200	Horizontal	Pass
2	5149.675	55.99	74.0	18.01	Peak	17.00	150	Horizontal	Pass
2**	5149.675	46.45	54.0	7.55	AV	17.00	150	Horizontal	Pass

U-NII-2A 11ac40 High Channel

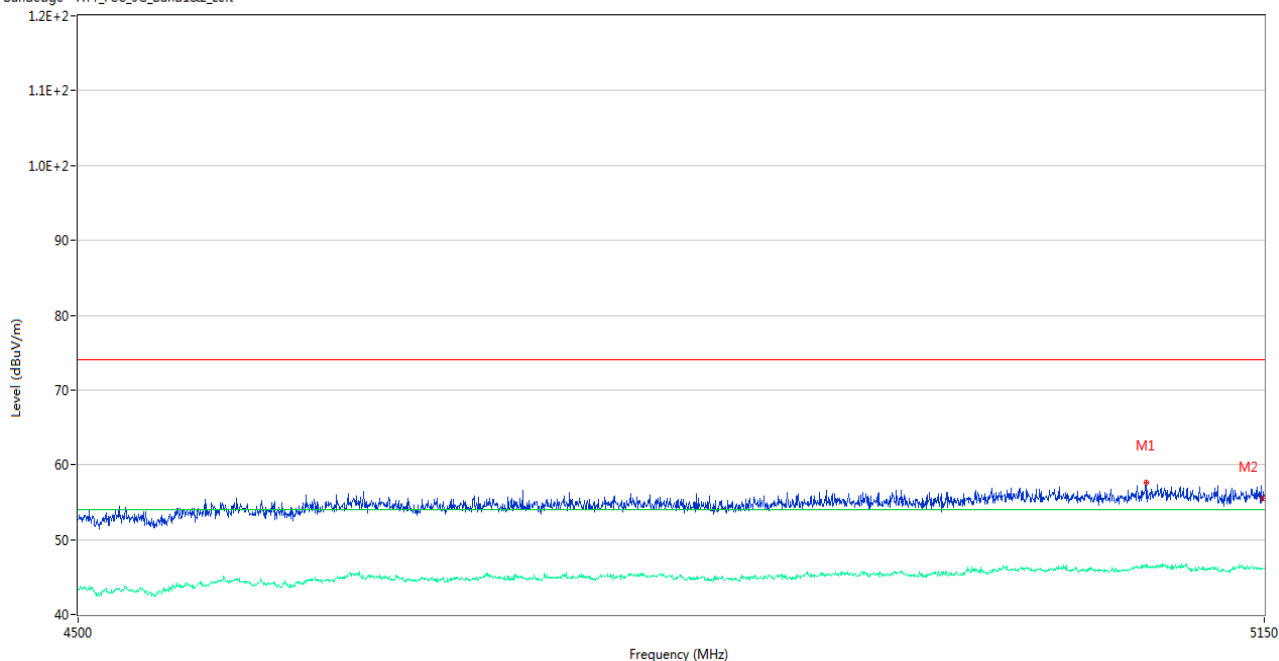
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.16	74.0	10.84	Peak	100.00	200	Horizontal	Pass
1**	5350.000	51.19	54.0	2.81	AV	100.00	200	Horizontal	Pass
2	5350.605	66.87	74.0	7.13	Peak	103.00	200	Horizontal	Pass
2**	5350.605	50.65	54.0	3.35	AV	103.00	200	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel

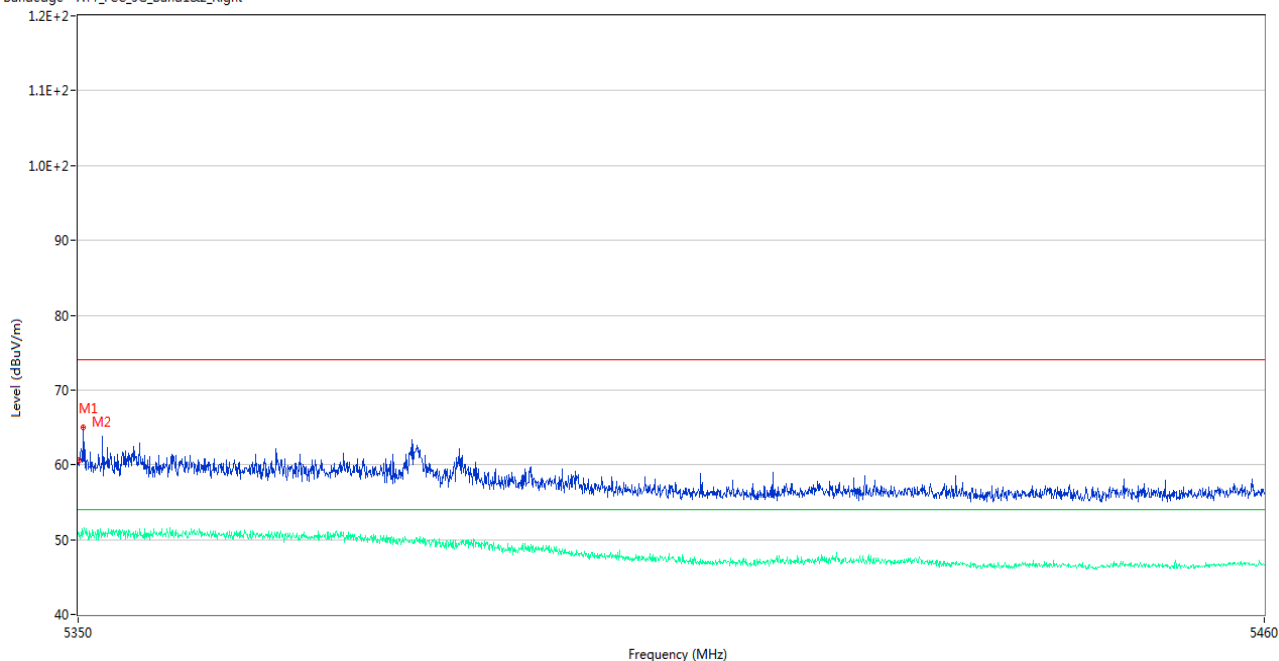
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5081.100	57.59	74.0	16.41	Peak	360.00	100	Horizontal	Pass
1**	5081.100	46.37	54.0	7.63	AV	360.00	100	Horizontal	Pass
2	5149.675	55.55	74.0	18.45	Peak	65.00	150	Horizontal	Pass
2**	5149.675	46.02	54.0	7.98	AV	65.00	150	Horizontal	Pass

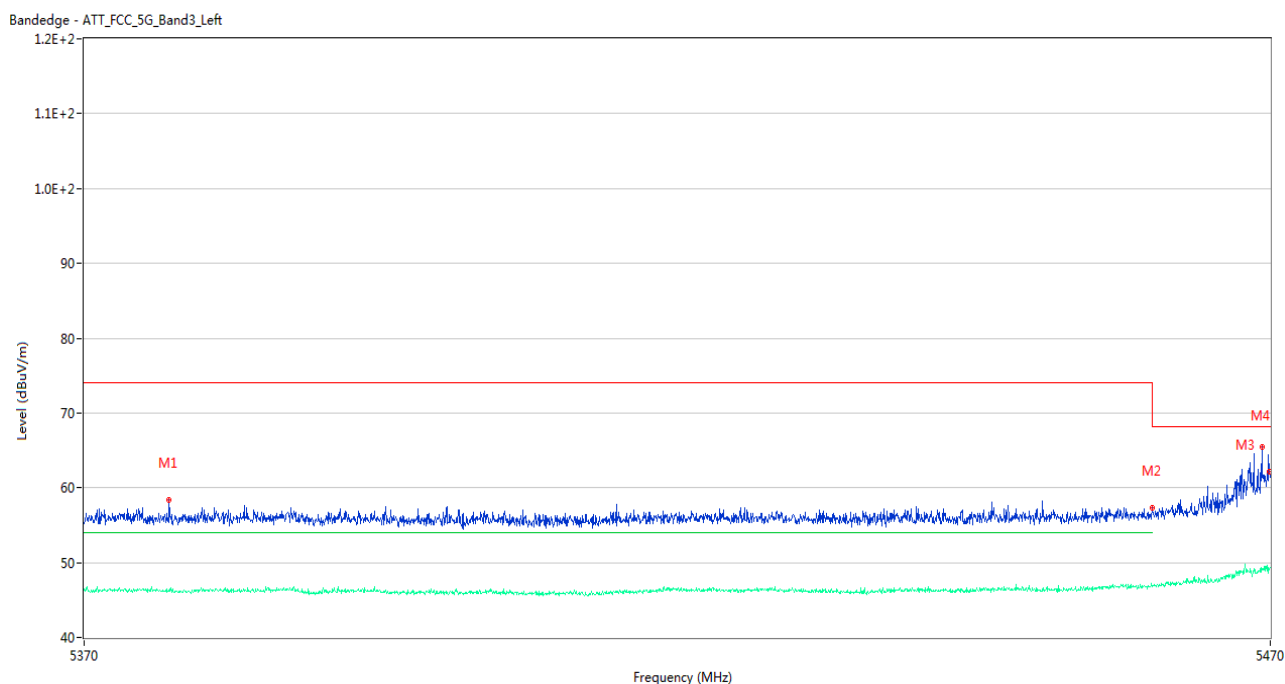
U-NII-2A 11ac80 Middle Channel

Bandedge - ATT_FCC_5G_Band1&2_Right



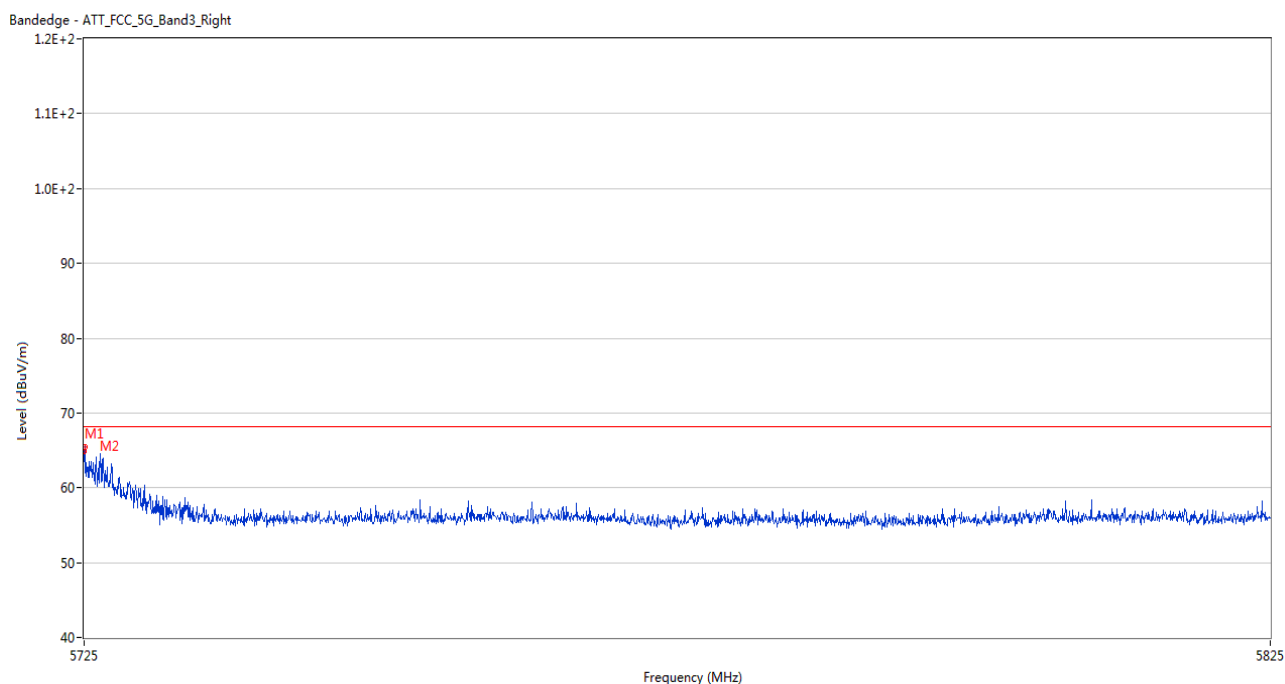
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	60.57	74.0	13.43	Peak	322.00	200	Horizontal	Pass
1**	5350.055	50.37	54.0	3.63	AV	322.00	200	Horizontal	Pass
2	5350.495	64.97	74.0	9.03	Peak	97.00	150	Horizontal	Pass
2**	5350.495	50.67	54.0	3.33	AV	97.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



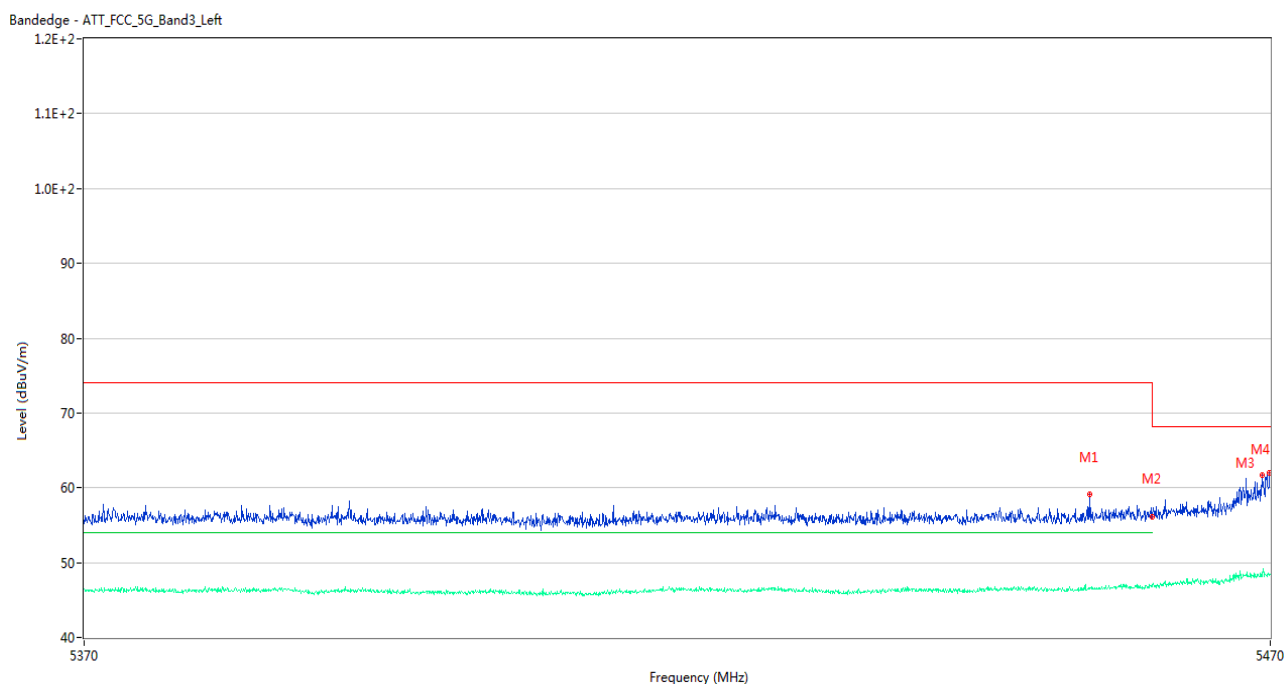
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5377.100	58.35	74.0	15.65	Peak	115.00	200	Horizontal	Pass
1**	5377.100	46.24	54.0	7.76	AV	115.00	200	Horizontal	Pass
2	5460.000	57.30	74.0	16.70	Peak	216.00	100	Horizontal	Pass
2**	5460.000	46.88	54.0	7.12	AV	216.00	100	Horizontal	Pass
3	5469.300	65.39	68.2	2.81	Peak	69.00	100	Horizontal	Pass
3**	5469.300	49.15	--	--	AV	69.00	100	Horizontal	N/A
4	5469.950	62.15	68.2	6.05	Peak	87.00	200	Horizontal	Pass
4**	5469.950	49.02	--	--	AV	87.00	200	Horizontal	N/A

U-NII-2C 11a High Channel



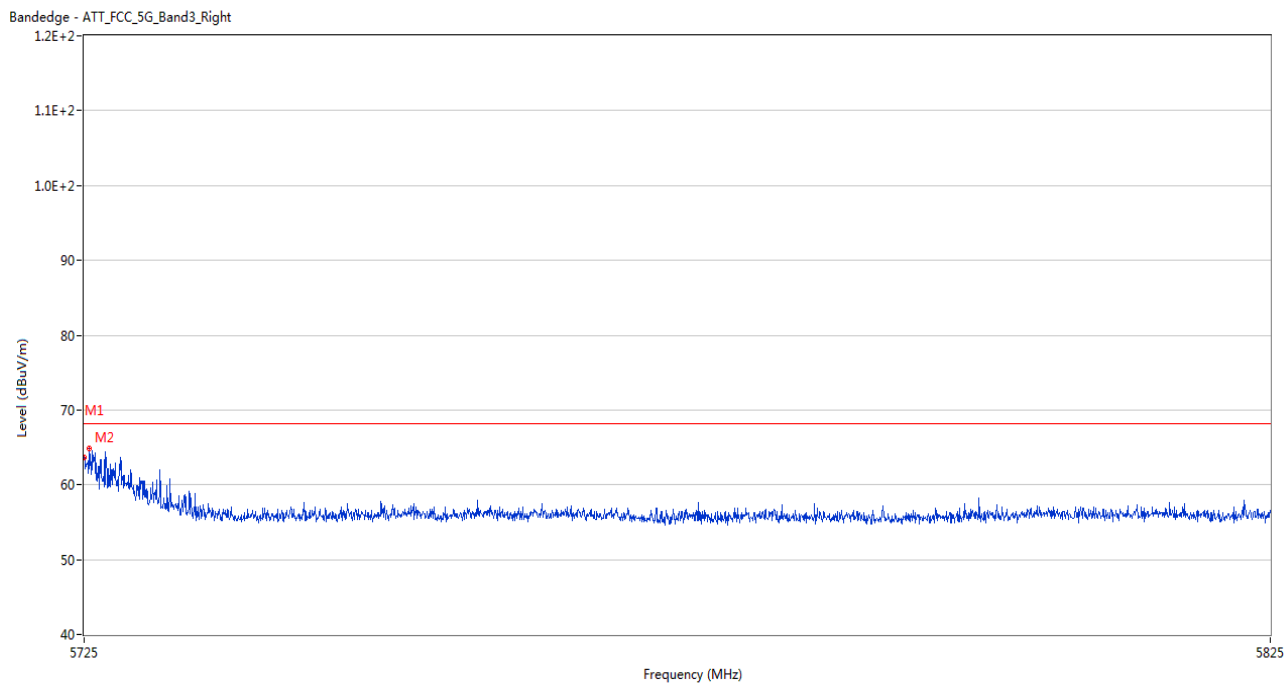
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.89	68.2	3.31	Peak	94.00	150	Horizontal	Pass
2	5725.100	65.46	68.2	2.74	Peak	97.00	100	Horizontal	Pass

U-NII-2C 11n20 Low Channel



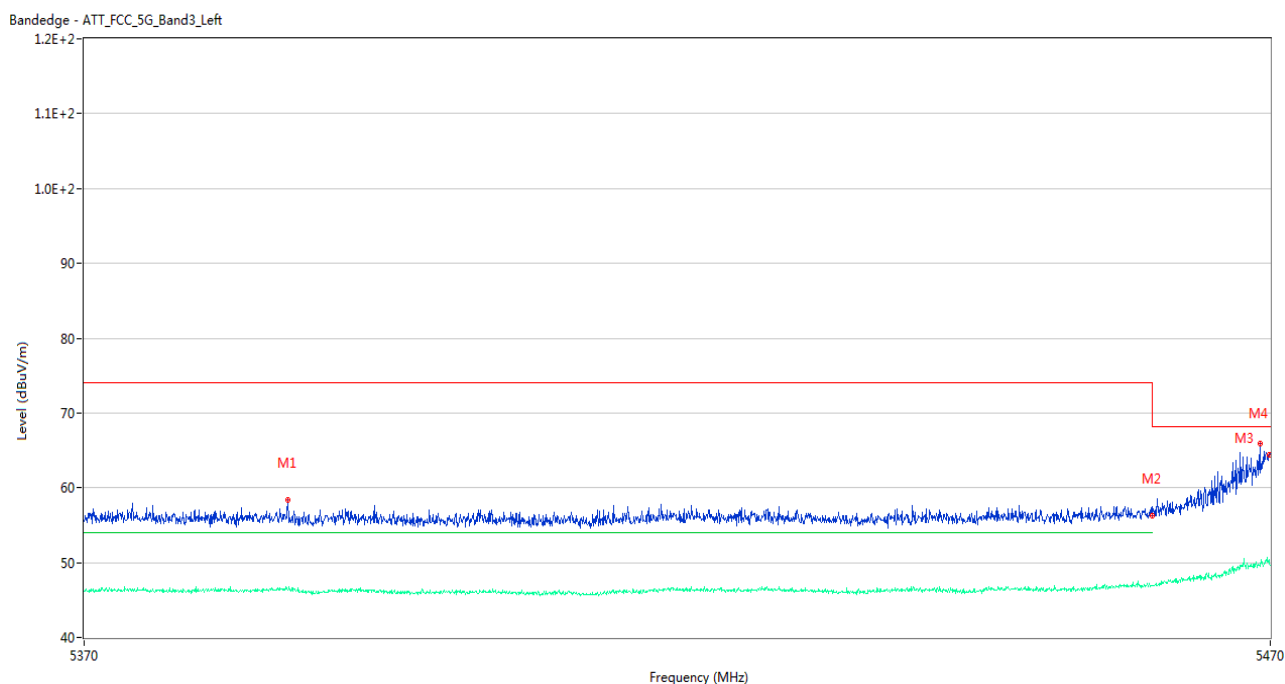
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5454.700	59.13	74.0	14.87	Peak	145.00	150	Horizontal	Pass
1**	5454.700	46.45	54.0	7.55	AV	145.00	150	Horizontal	Pass
2	5460.000	56.19	74.0	17.81	Peak	298.00	150	Horizontal	Pass
2**	5460.000	47.02	54.0	6.98	AV	298.00	150	Horizontal	Pass
3	5469.350	61.65	68.2	6.55	Peak	98.00	150	Horizontal	Pass
3**	5469.350	48.43	--	--	AV	98.00	150	Horizontal	N/A
4	5469.950	62.00	68.2	6.20	Peak	88.00	150	Horizontal	Pass
4**	5469.950	48.43	--	--	AV	88.00	150	Horizontal	N/A

U-NII-2C 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	63.68	68.2	4.52	Peak	100.00	200	Horizontal	Pass
2	5725.450	64.81	68.2	3.39	Peak	87.00	200	Horizontal	Pass

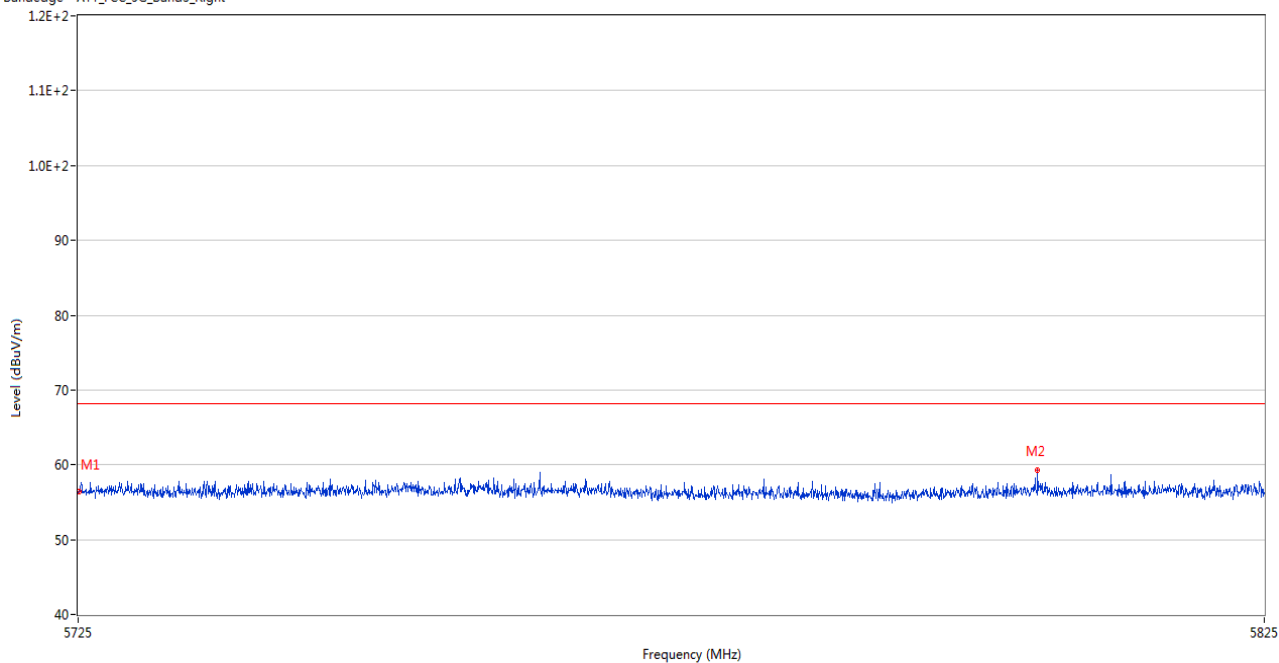
U-NII-2C 11n40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5387.050	58.39	74.0	15.61	Peak	2.00	200	Horizontal	Pass
1**	5387.050	46.34	54.0	7.66	AV	2.00	200	Horizontal	Pass
2	5460.000	56.20	74.0	17.80	Peak	226.00	100	Horizontal	Pass
2**	5460.000	46.89	54.0	7.11	AV	226.00	100	Horizontal	Pass
3	5469.100	65.92	68.2	2.28	Peak	46.00	200	Horizontal	Pass
3**	5469.100	49.56	--	--	AV	46.00	200	Horizontal	N/A
4	5469.950	64.39	68.2	3.81	Peak	326.00	150	Horizontal	Pass
4**	5469.950	49.89	--	--	AV	326.00	150	Horizontal	N/A

U-NII-2C 11n40 High Channel

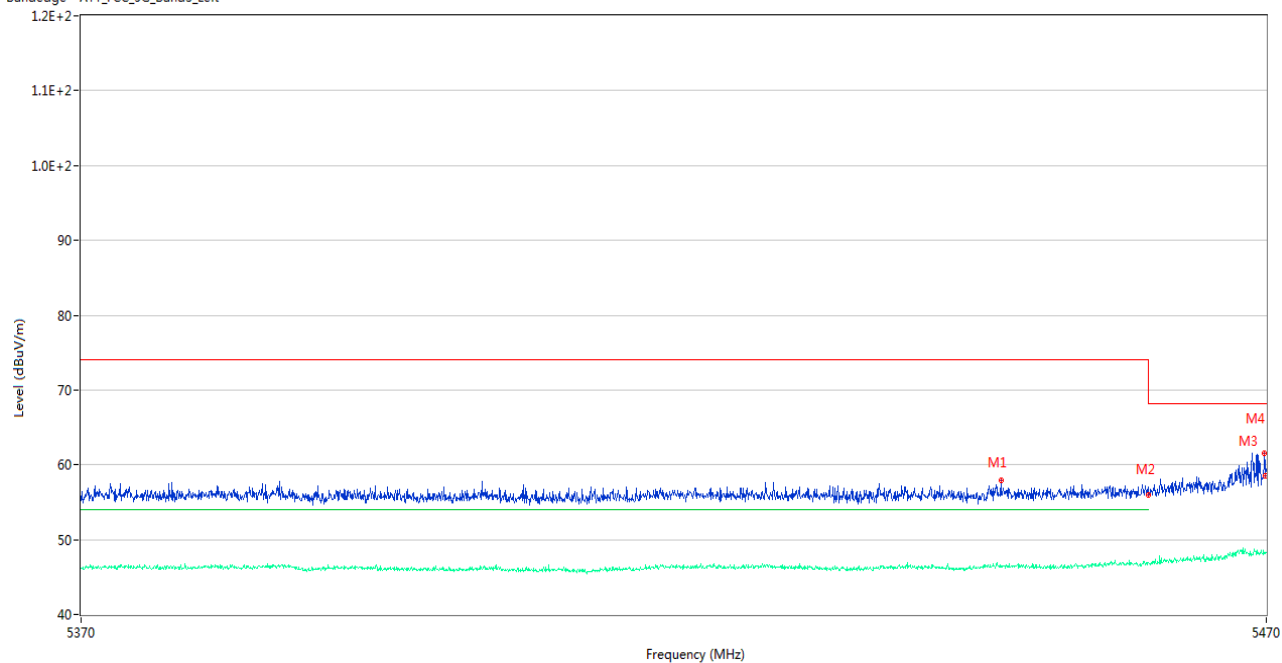
Bandedge - ATT_FCC_5G_Band3_Right



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	56.45	68.2	11.75	Peak	287.00	100	Horizontal	Pass
2	5805.750	59.30	68.2	8.90	Peak	90.00	200	Horizontal	Pass

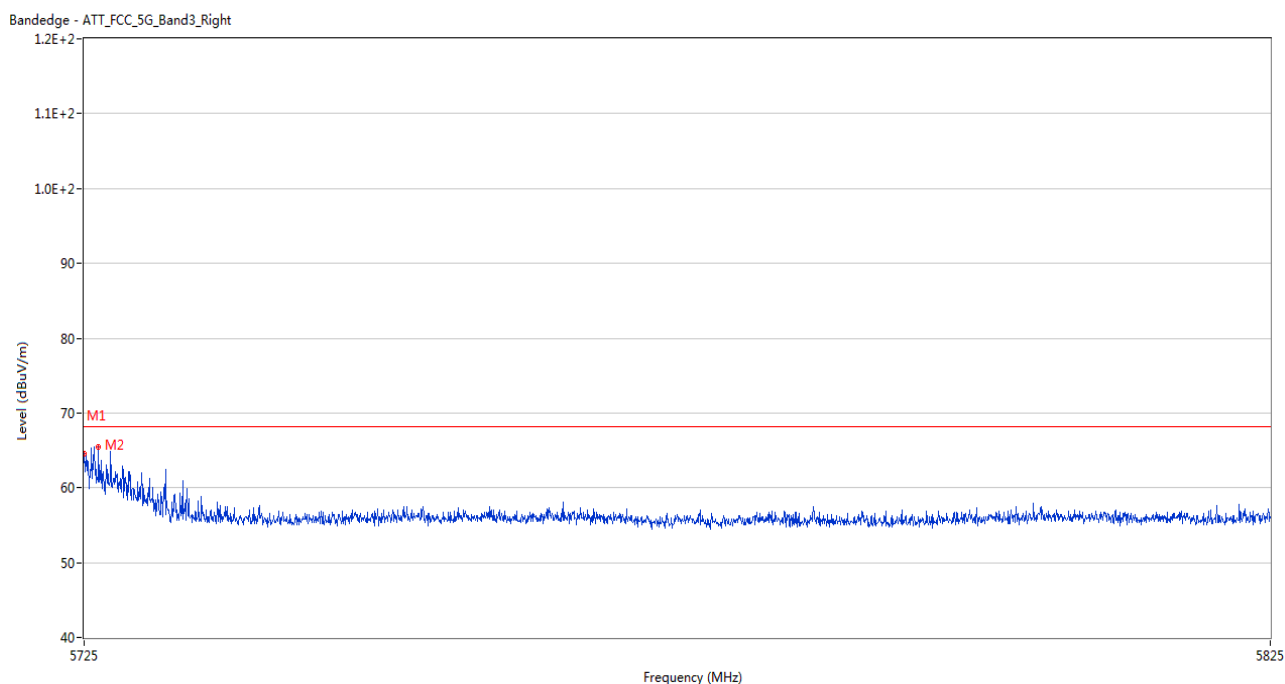
U-NII-2C 11ac20 Low Channel

Bandedge - ATT_FCC_5G_Band3_Left



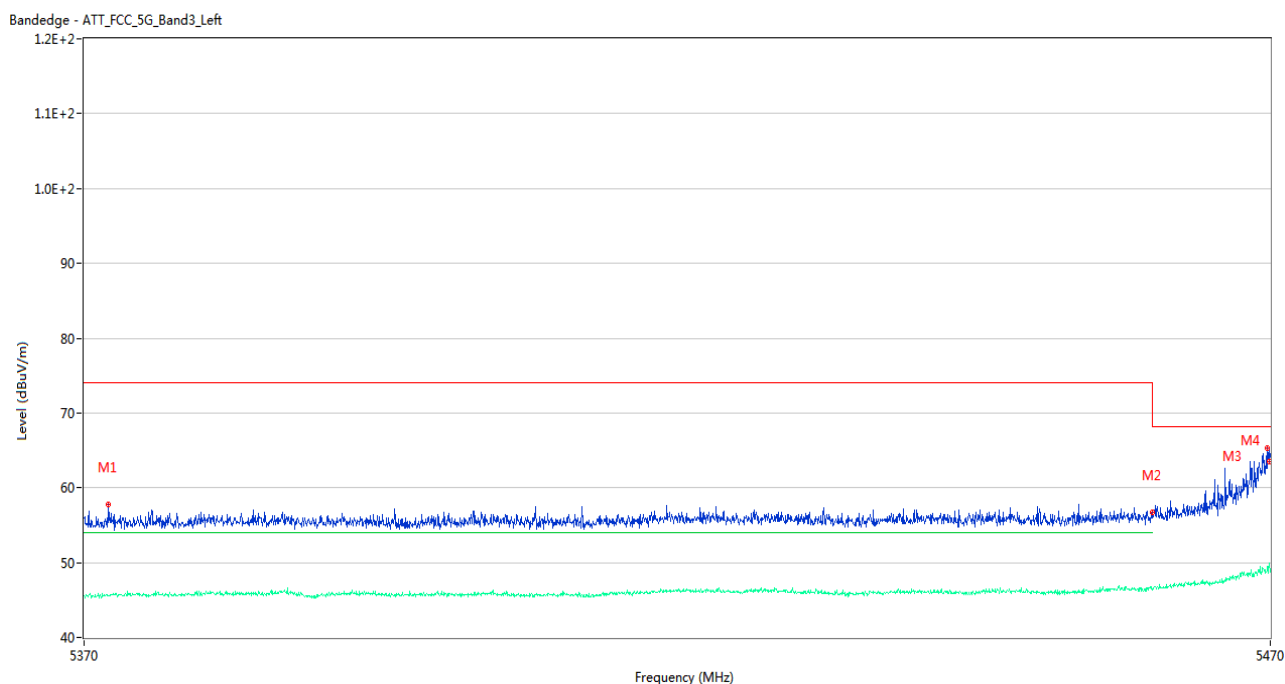
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5447.450	57.86	74.0	16.14	Peak	71.00	200	Horizontal	Pass
1**	5447.450	46.39	54.0	7.61	AV	71.00	200	Horizontal	Pass
2	5460.000	56.03	74.0	17.97	Peak	175.00	100	Horizontal	Pass
2**	5460.000	46.94	54.0	7.06	AV	175.00	100	Horizontal	Pass
3	5469.850	61.57	68.2	6.63	Peak	71.00	200	Horizontal	Pass
3**	5469.850	48.30	--	--	AV	71.00	200	Horizontal	N/A
4	5469.950	58.53	68.2	9.67	Peak	98.00	200	Horizontal	Pass
4**	5469.950	48.19	--	--	AV	98.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel



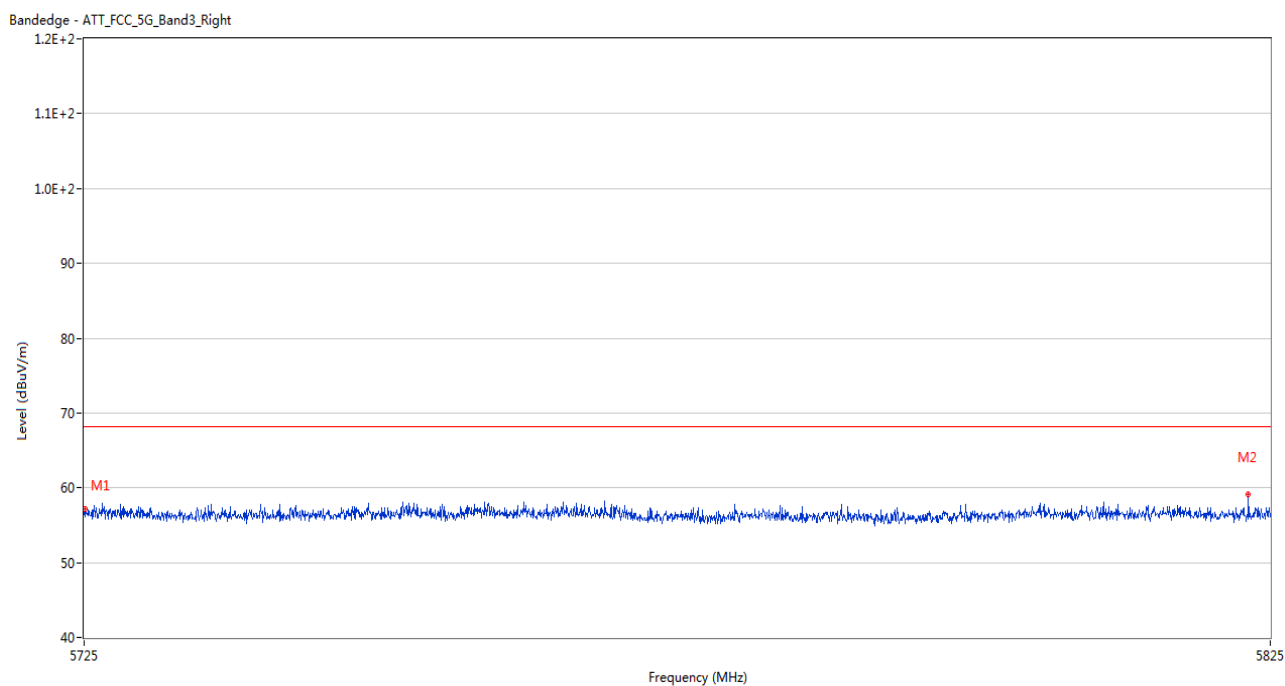
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.49	68.2	3.71	Peak	96.00	150	Horizontal	Pass
2	5726.200	65.53	68.2	2.67	Peak	94.00	200	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



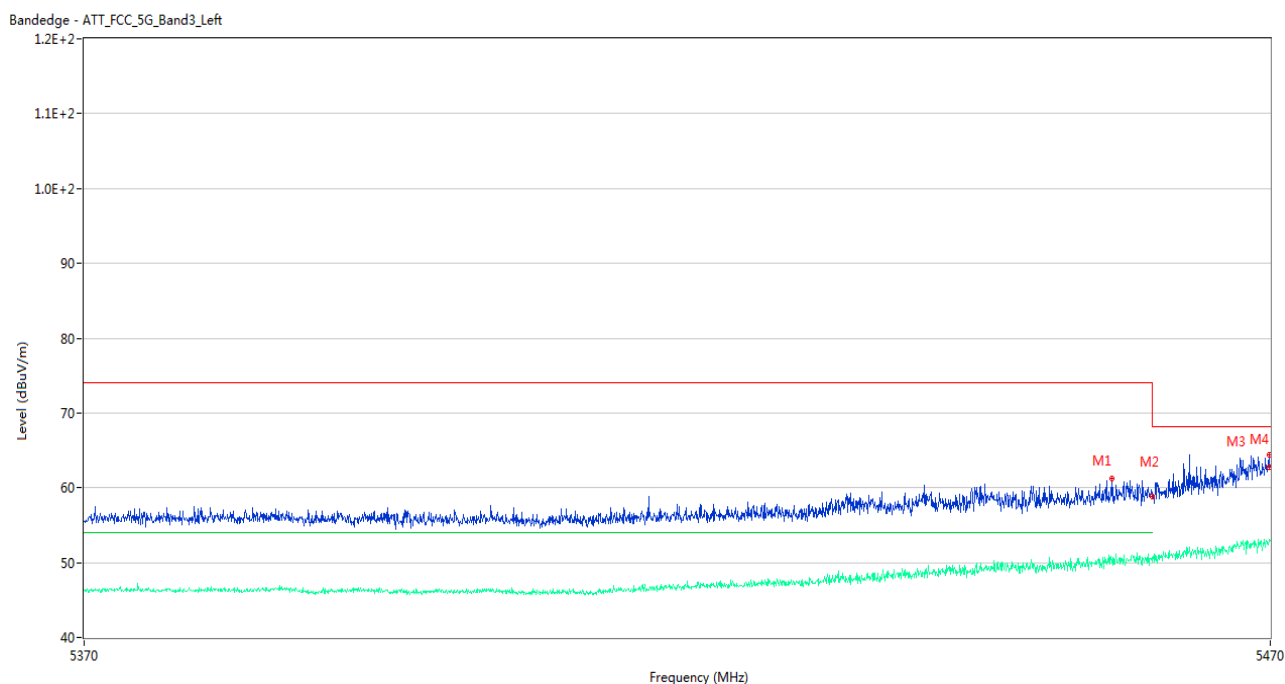
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5372.050	57.78	74.0	16.22	Peak	198.00	100	Horizontal	Pass
1**	5372.050	45.57	54.0	8.43	AV	198.00	100	Horizontal	Pass
2	5460.000	56.76	74.0	17.24	Peak	251.00	150	Horizontal	Pass
2**	5460.000	46.47	54.0	7.53	AV	251.00	150	Horizontal	Pass
3	5469.700	65.33	68.2	2.87	Peak	360.00	150	Horizontal	Pass
3**	5469.700	48.95	--	--	AV	360.00	150	Horizontal	N/A
4	5469.950	63.49	68.2	4.71	Peak	360.00	150	Horizontal	Pass
4**	5469.950	49.95	--	--	AV	360.00	150	Horizontal	N/A

U-NII-2C 11ac40 High Channel



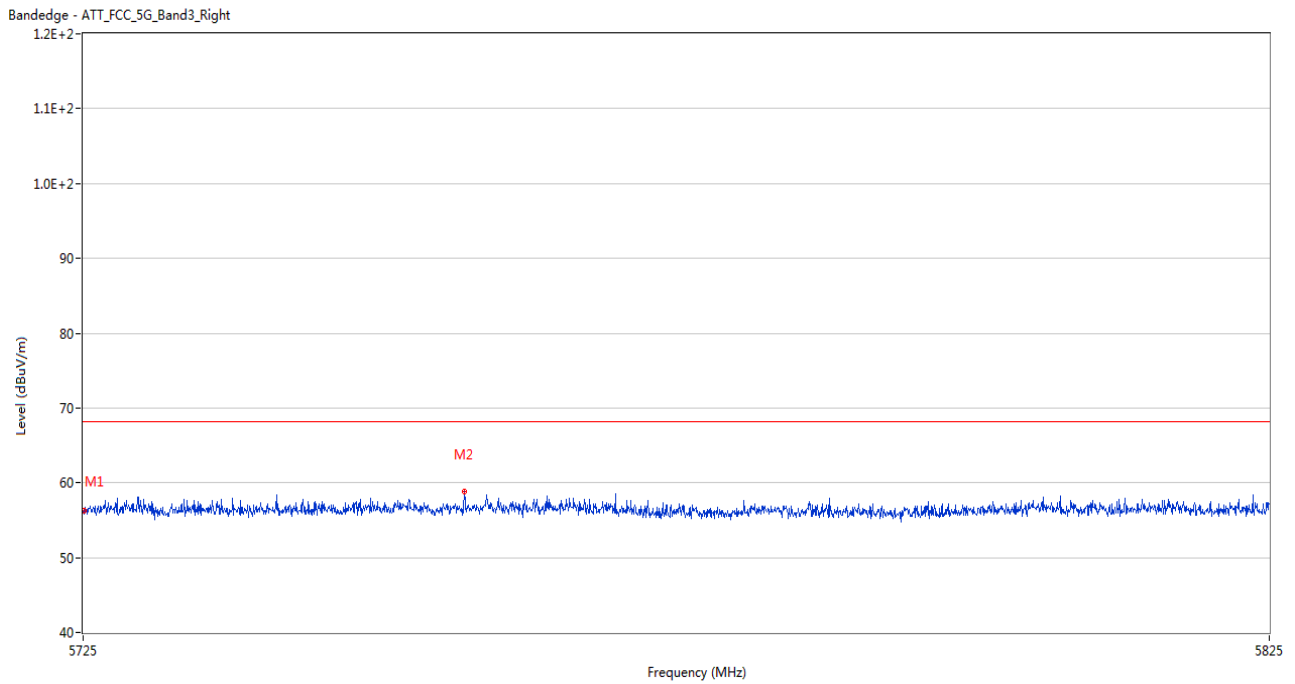
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	57.12	68.2	11.08	Peak	271.00	150	Horizontal	Pass
2	5823.150	59.06	68.2	9.14	Peak	0.00	200	Horizontal	Pass

U-NII-2C 11ac80 Low Channel



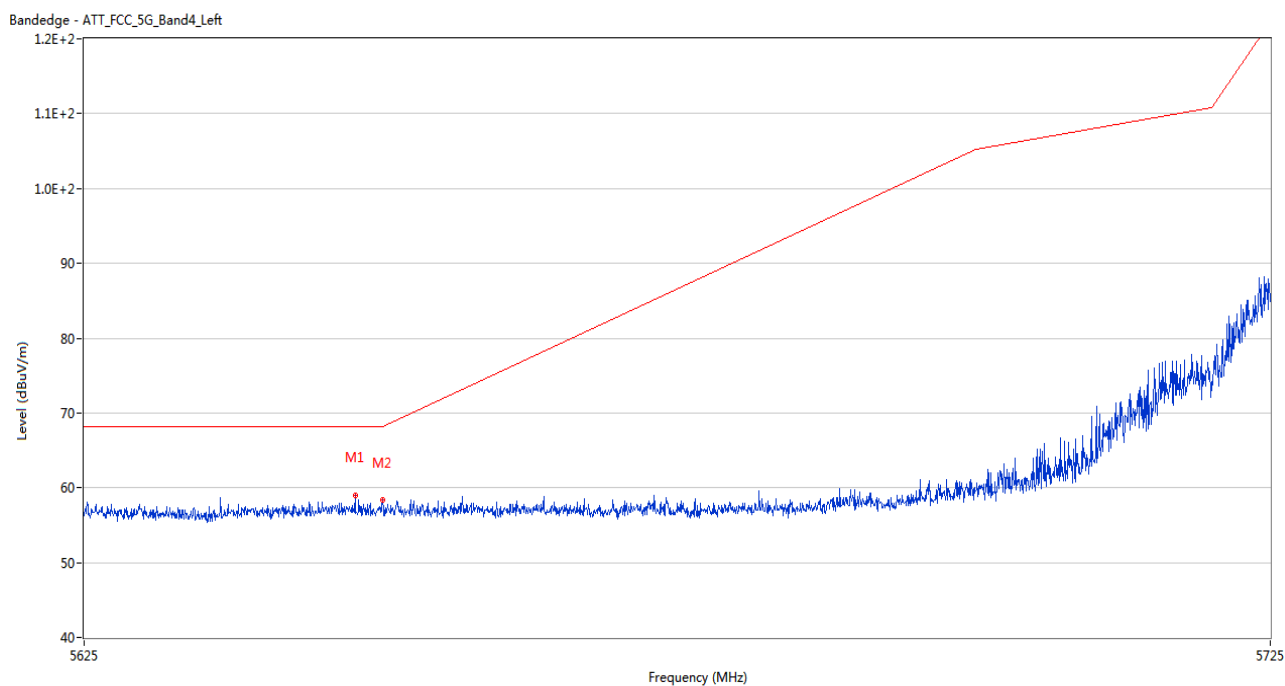
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.500	61.24	74.0	12.76	Peak	99.00	100	Horizontal	Pass
1**	5456.500	49.91	54.0	4.09	AV	99.00	100	Horizontal	Pass
2	5460.000	58.86	74.0	15.14	Peak	69.00	100	Horizontal	Pass
2**	5460.000	50.65	54.0	3.35	AV	69.00	100	Horizontal	Pass
3	5469.900	64.45	68.2	3.75	Peak	99.00	100	Horizontal	Pass
3**	5469.900	52.76	--	--	AV	99.00	100	Horizontal	N/A
4	5469.950	62.72	68.2	5.48	Peak	99.00	200	Horizontal	Pass
4**	5469.950	53.13	--	--	AV	99.00	200	Horizontal	N/A

U-NII-2C 11ac80 High Channel



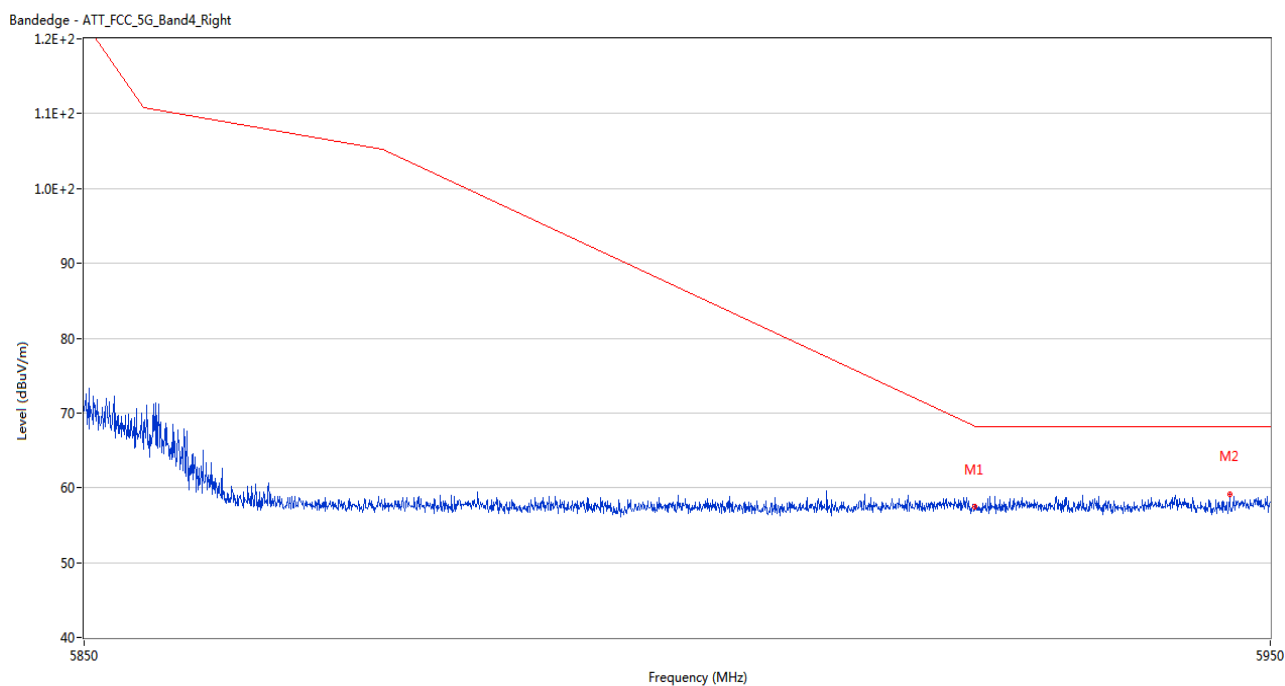
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	56.31	68.2	11.89	Peak	213.00	100	Horizontal	Pass
2	5756.950	58.81	68.2	9.39	Peak	29.00	150	Horizontal	Pass

U-NII-3 11a Low Channel



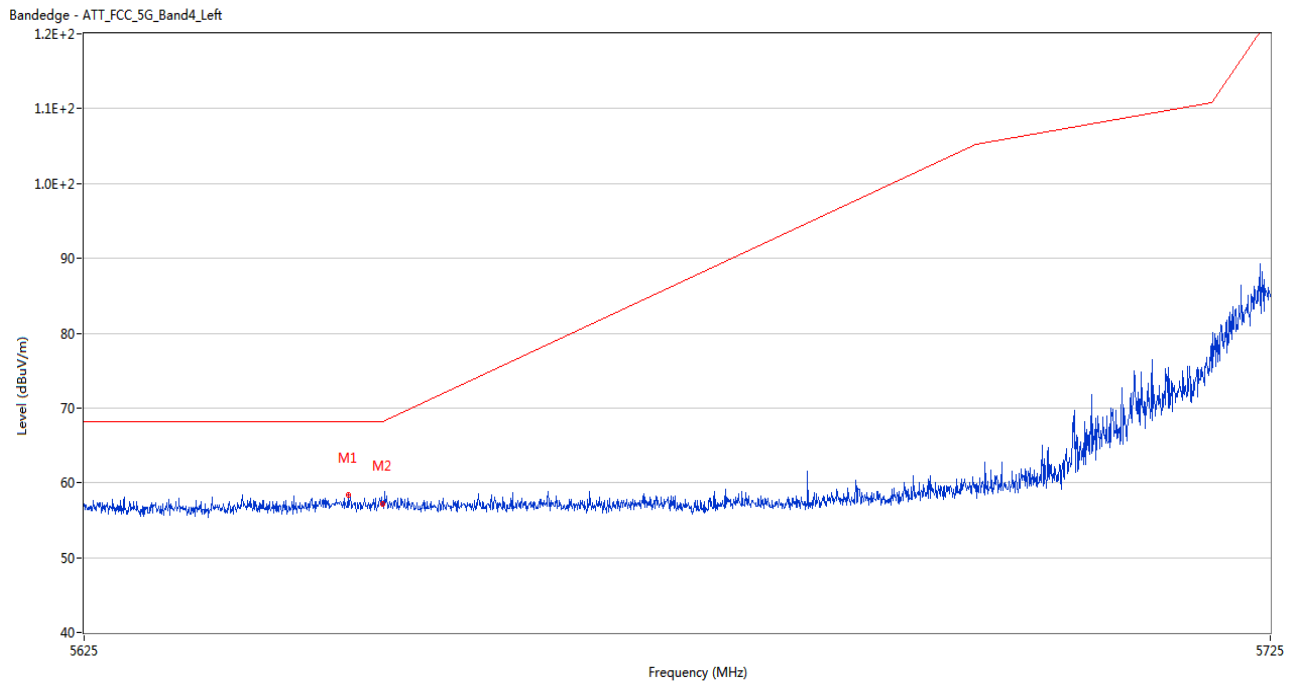
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.700	59.03	68.2	9.17	Peak	173.00	150	Horizontal	Pass
2	5650.000	58.42	68.2	9.78	Peak	173.00	100	Horizontal	Pass

U-NII-3 11a High Channel



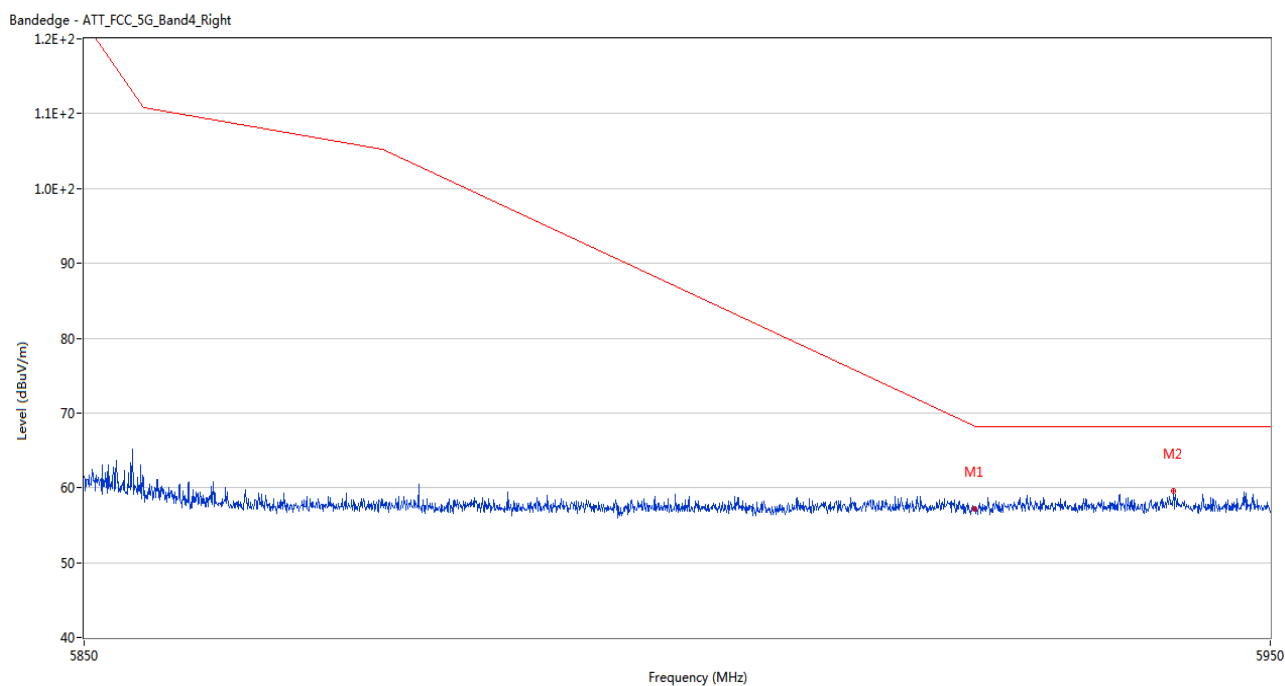
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.48	68.2	10.72	Peak	109.00	150	Horizontal	Pass
2	5946.550	59.20	68.2	9.00	Peak	128.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel



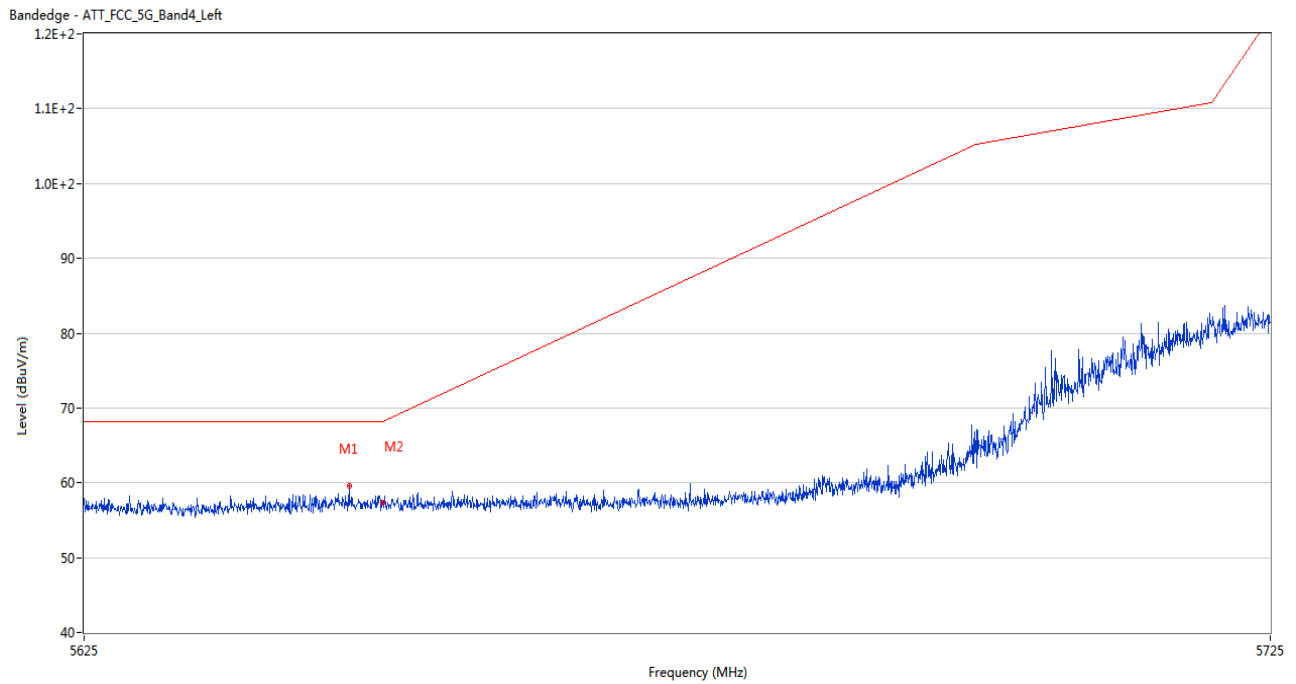
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.100	58.38	68.2	9.82	Peak	107.00	150	Horizontal	Pass
2	5650.000	57.24	68.2	10.96	Peak	254.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel



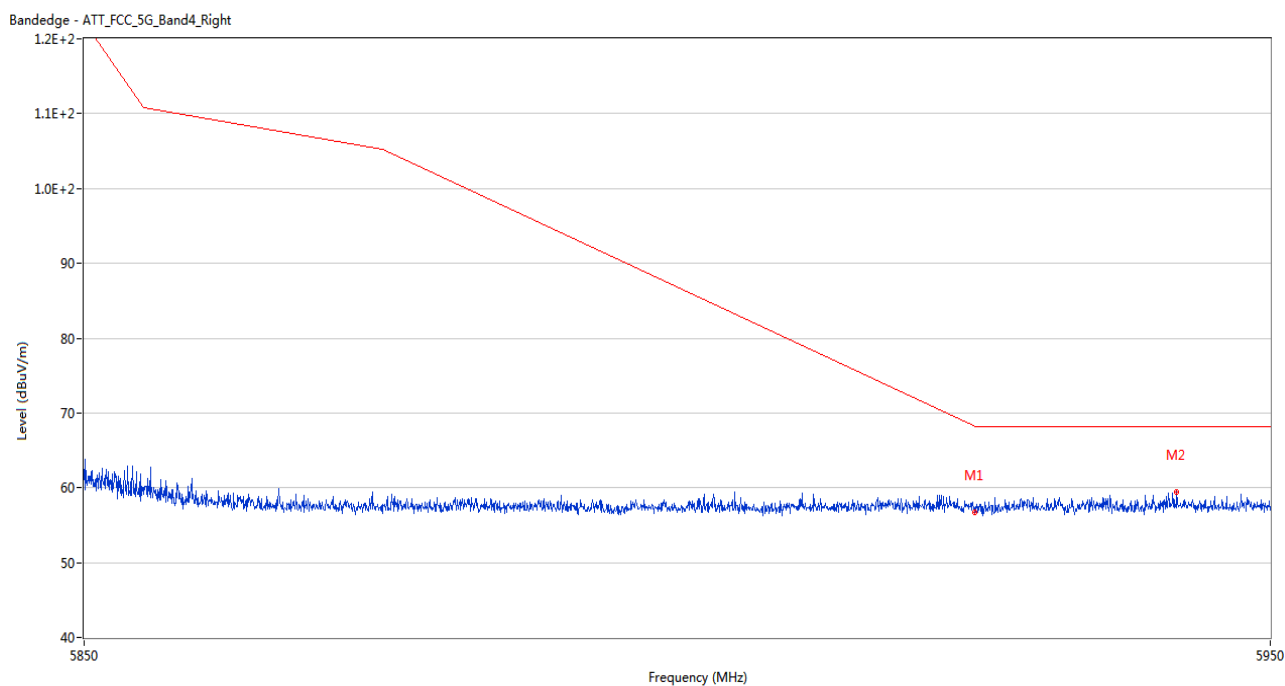
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.21	68.2	10.99	Peak	263.00	200	Horizontal	Pass
2	5941.800	59.60	68.2	8.60	Peak	35.00	200	Horizontal	Pass

U-NII-3 11n40 Low Channel



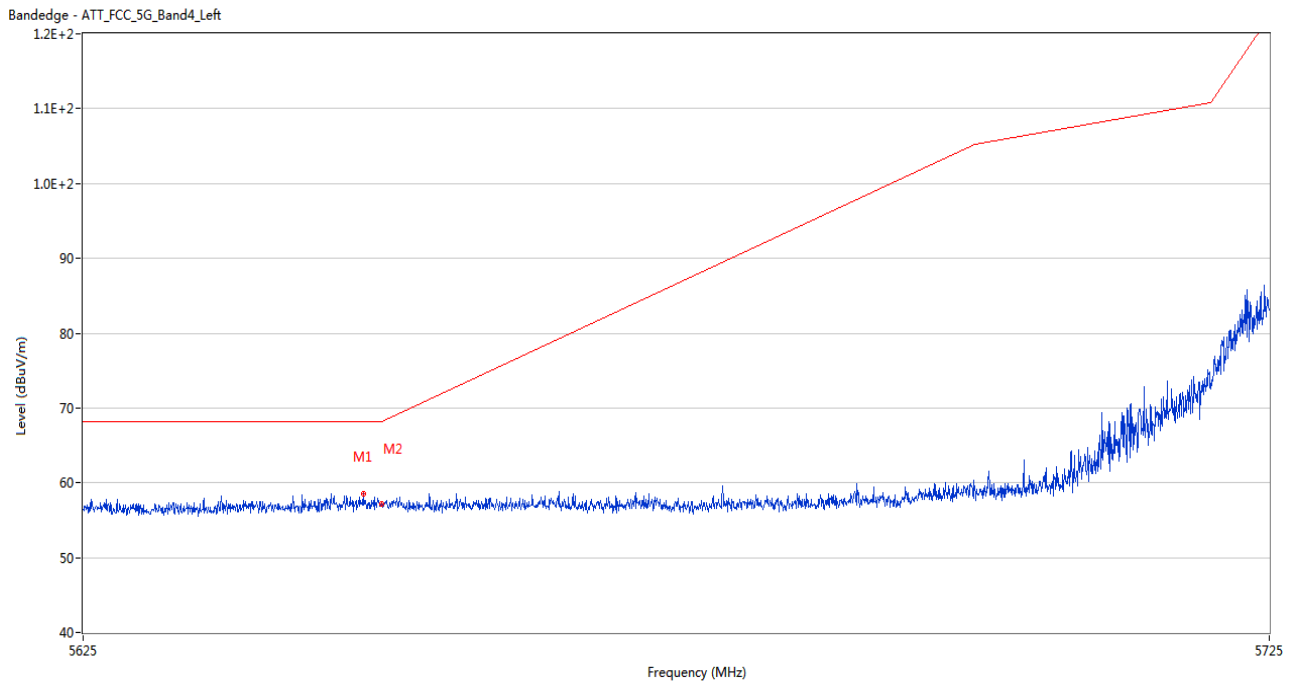
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.200	59.56	68.2	8.64	Peak	113.00	100	Horizontal	Pass
2	5650.000	57.33	68.2	10.87	Peak	155.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel



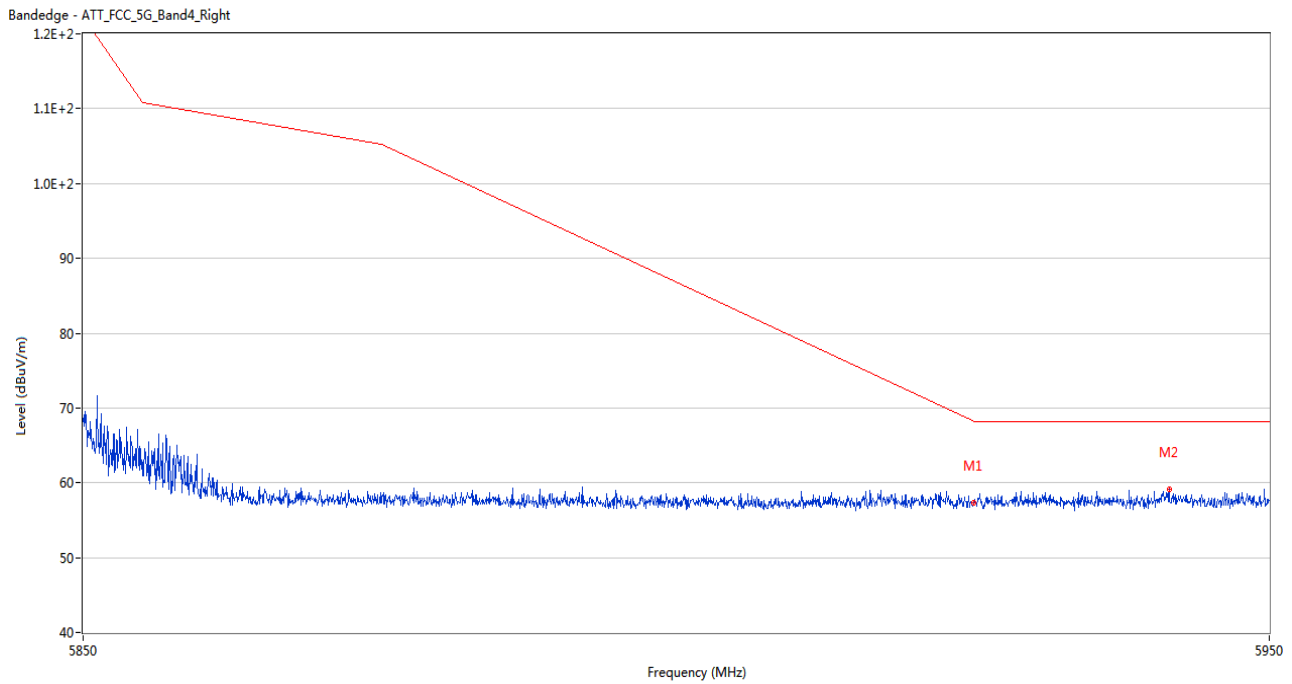
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.68	68.2	11.52	Peak	244.00	150	Horizontal	Pass
2	5942.050	59.38	68.2	8.82	Peak	187.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel



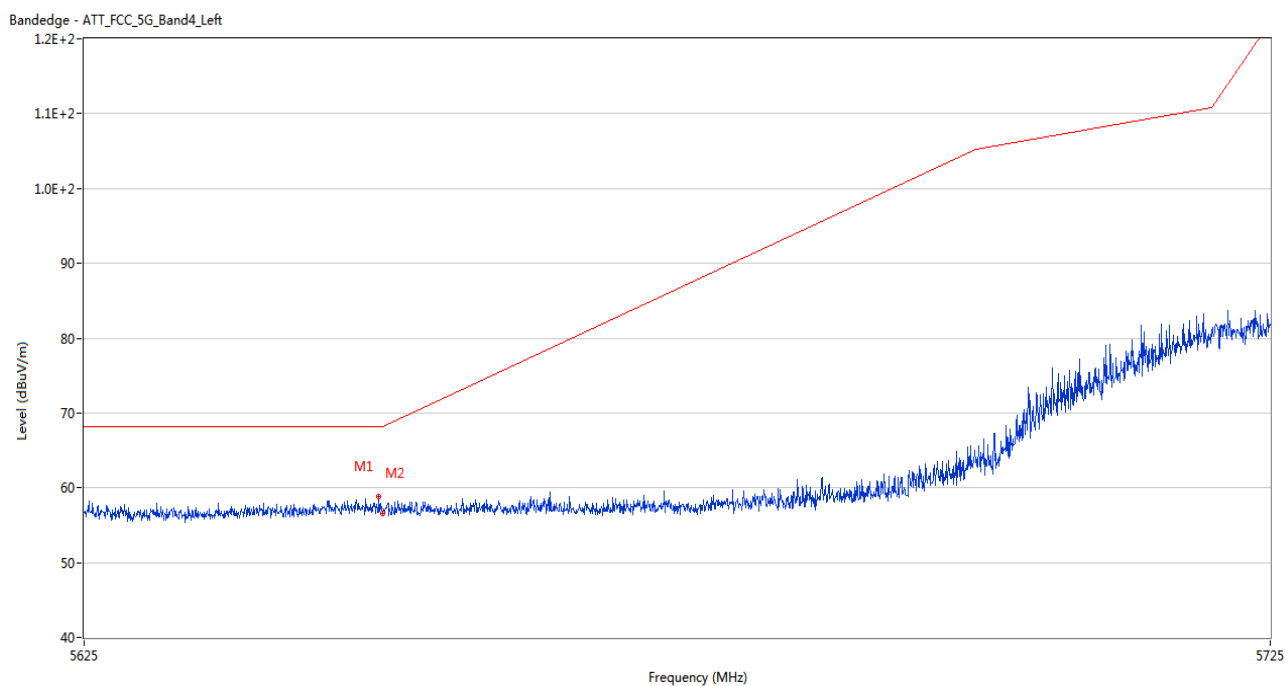
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.450	58.52	68.2	9.68	Peak	345.00	150	Horizontal	Pass
2	5650.000	57.13	68.2	11.07	Peak	80.00	200	Horizontal	Pass

U-NII-3 11ac20 High Channel



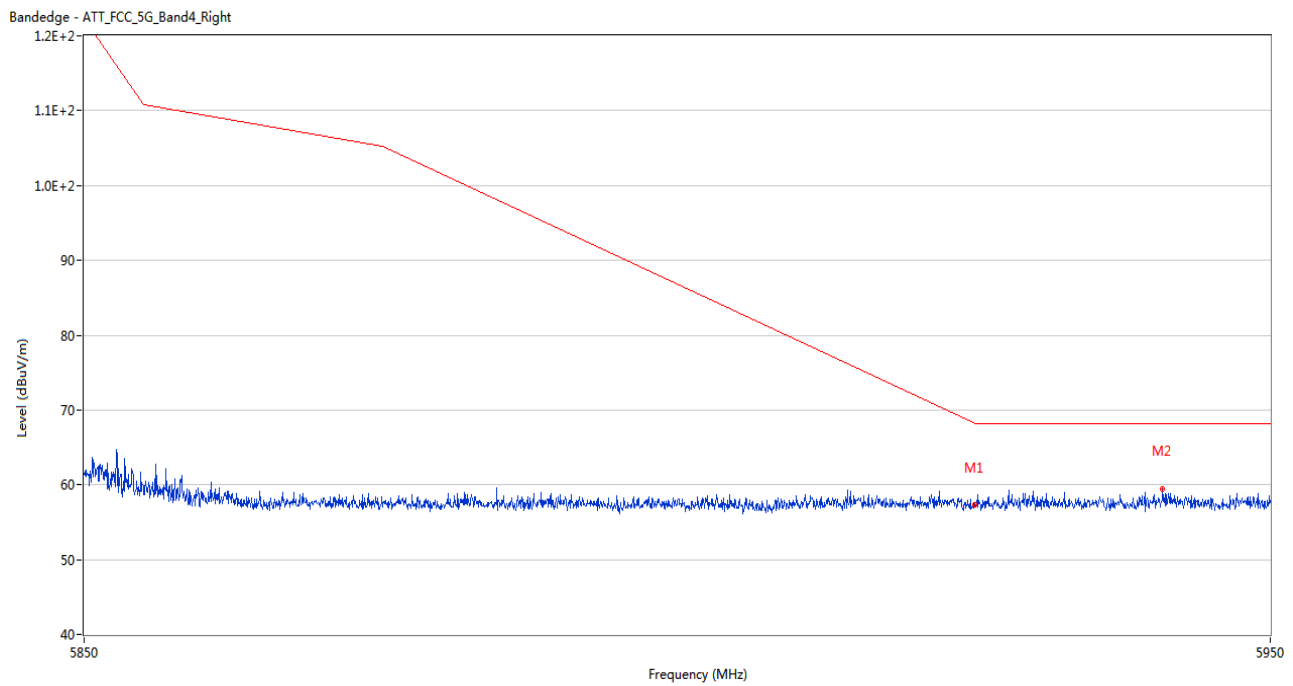
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.28	68.2	10.92	Peak	254.00	100	Horizontal	Pass
2	5941.500	59.13	68.2	9.07	Peak	45.00	150	Horizontal	Pass

U-NII-3 11ac40 Low Channel



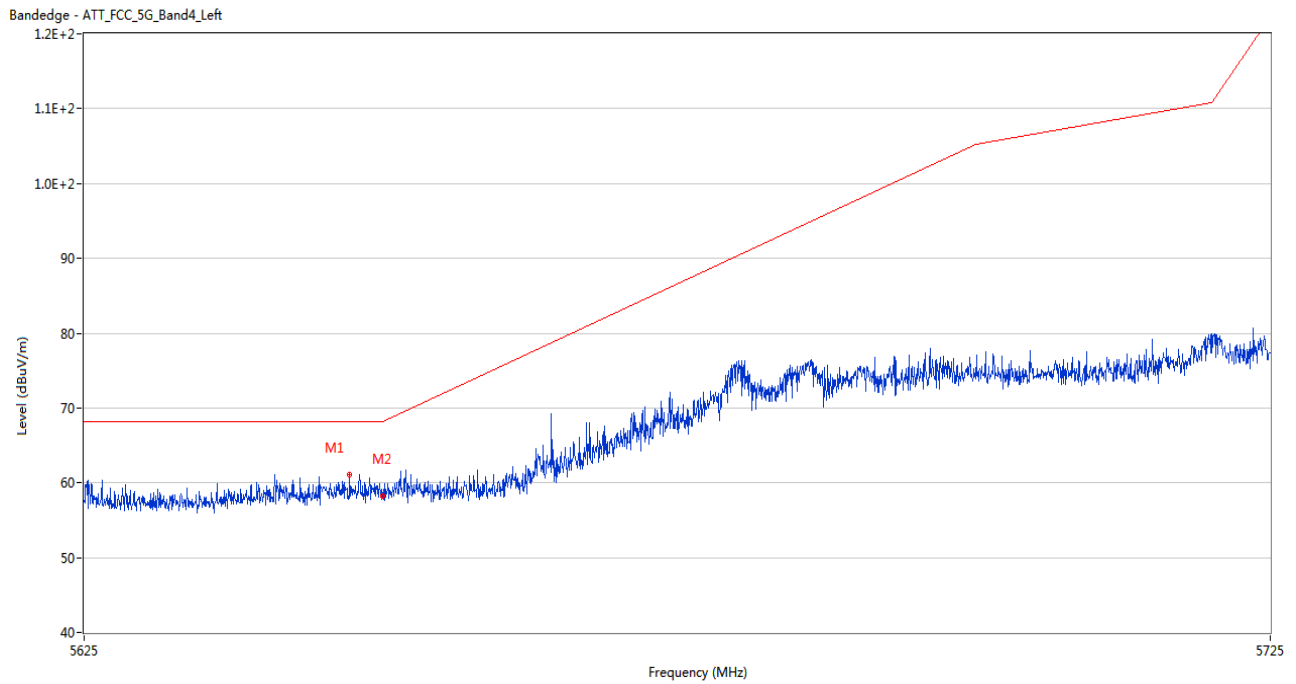
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.700	58.80	68.2	9.40	Peak	19.00	200	Horizontal	Pass
2	5650.000	56.53	68.2	11.67	Peak	256.00	200	Horizontal	Pass

U-NII-3 11ac40 High Channel



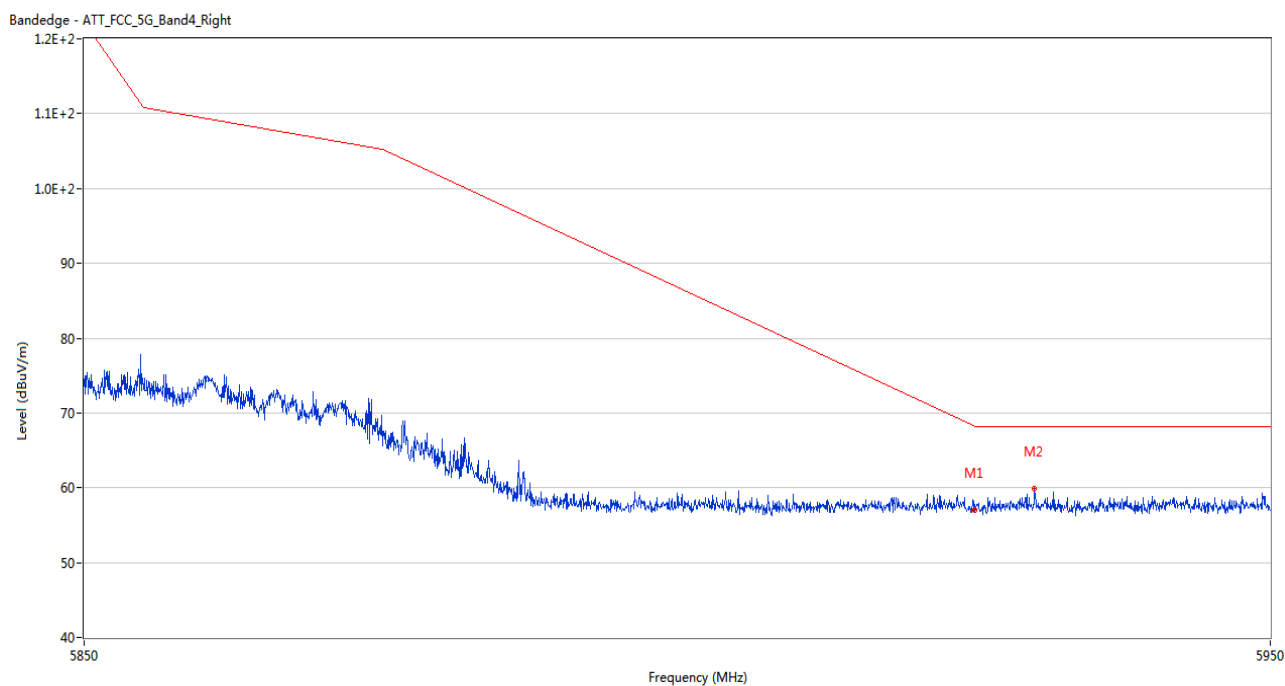
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.27	68.2	10.93	Peak	158.00	100	Horizontal	Pass
2	5940.850	59.51	68.2	8.69	Peak	100.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.250	61.17	68.2	7.03	Peak	89.00	150	Horizontal	Pass
2	5650.000	58.23	68.2	9.97	Peak	94.00	100	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.07	68.2	11.13	Peak	214.00	200	Horizontal	Pass
2	5930.000	59.88	68.2	8.32	Peak	298.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2520085-AR-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520085-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2520085-AI.PDF”.

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--END OF REPORT--