

TEST REPORT

Applicant: Sichuan AI-Link Technology Co., Ltd.
Address: Anzhou, Industrial park, Mianyang, Sichuan
Equipment Type: WIFI&Bluetooth Module
Model Name: WF-R21C-ESA1
Brand Name: AI-Link
FCC ID: 2AOKI-AL8821CE1
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Jan. 29, 2024
Test Date: Feb. 07, 2024 - Mar. 20, 2024
Date of Issue: Apr. 02, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Julie Zhu**Checked by:** Ye Hongji**Approved by:** Liao Jianming

(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 02, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Sichuan AI-Link Technology Co., Ltd.
Address	Anzhou, Industrial park, Mianyang, Sichuan

2.2 Manufacturer Information

Manufacturer	Sichuan AI-Link Technology Co., Ltd.
Address	Anzhou, Industrial park, Mianyang, Sichuan

2.3 General Description for Equipment under Test (EUT)

EUT Name	WIFI&Bluetooth Module
Model Name Under Test	WF-R21C-ESA1
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	JUI7.820.0923
Software Version	RTLWlanE_WindowsDriver_2024.0.10.137_Drv_3.00.0039
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 34.12 mW U-NII-2A: 22.70 mW U-NII-2C: 45.81 mW U-NII-3: 33.19 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 3.09 dBi U-NII-2A: 5250 MHz to 5350 MHz: 3.78 dBi U-NII-2C: 5470 MHz to 5725 MHz: 3.95 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.12 dBi
About the Product	The equipment is WIFI&Bluetooth Module, intended for used with information technology equipment.

2.5 Channel List

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

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

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

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

Note ²: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	51% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.4°C to +25.2°C
	LT (Low Temperature)	0.0°C
	HT (High Temperature)	+70.0°C
Working Voltage of the EUT	NV (Normal Voltage)	3.3 V
	LV (Low Voltage)	3.0 V
	HV (High Voltage)	3.6 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2023.05.16	2024.05.15
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.20	2024.05.19
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
Amplifier	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

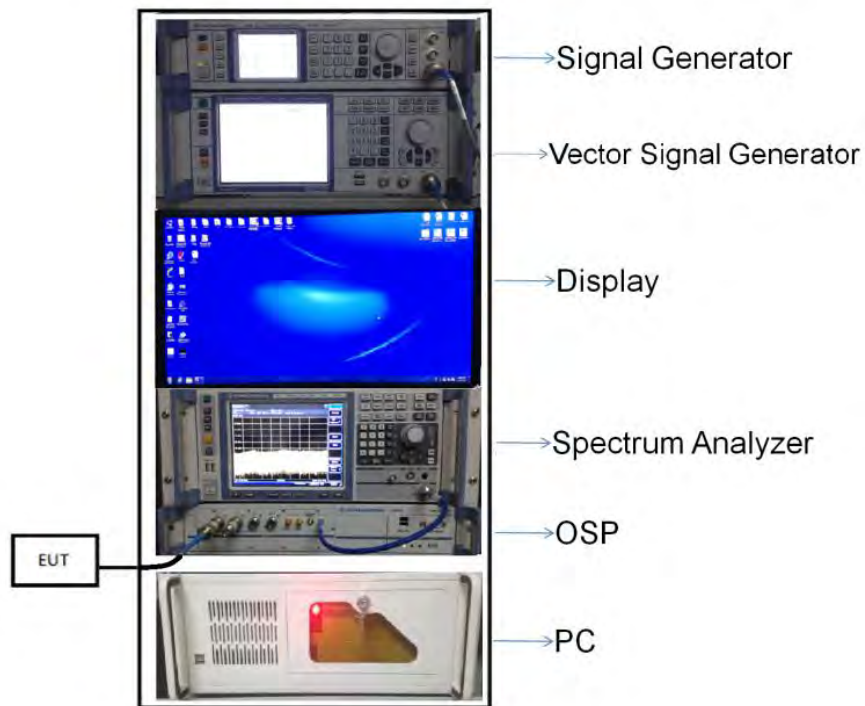
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

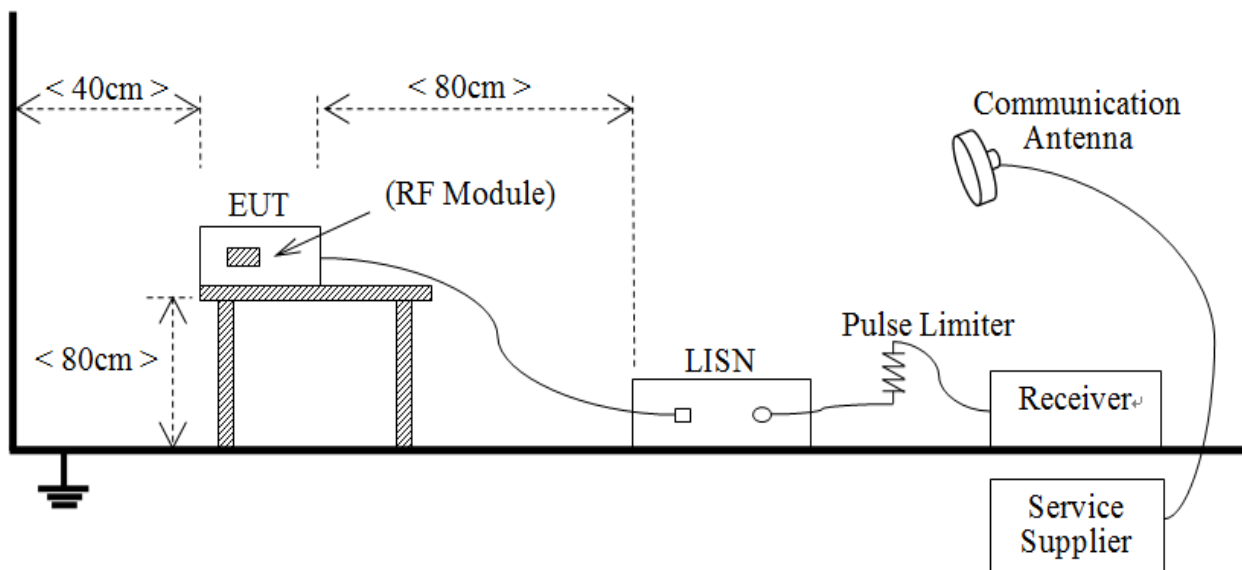
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



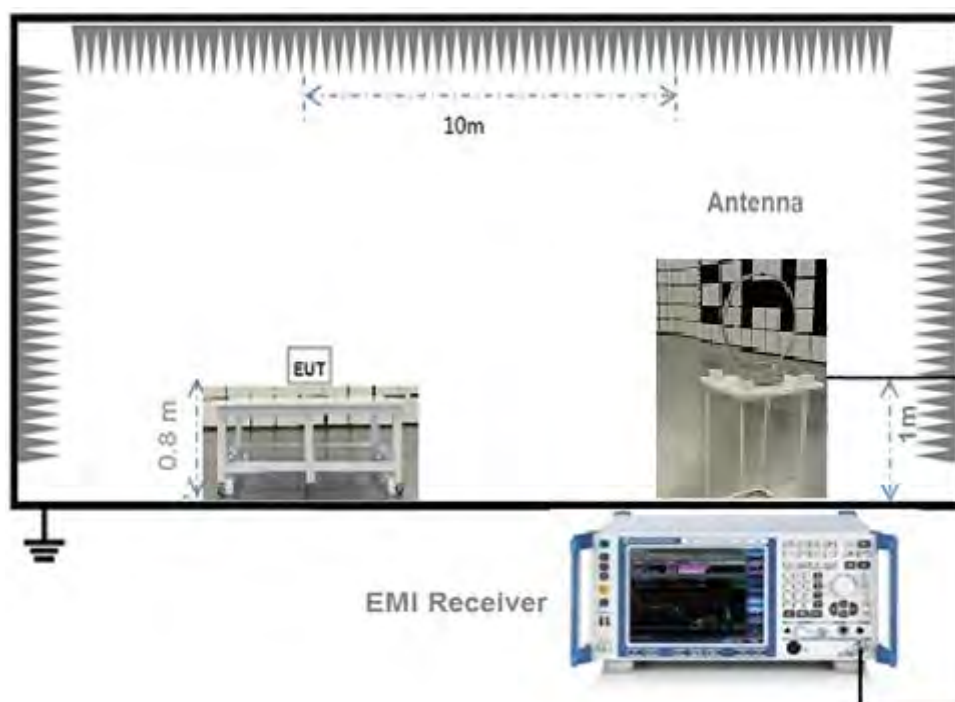
(Diagram 1)

4.5.2 For AC Power Supply Port Test



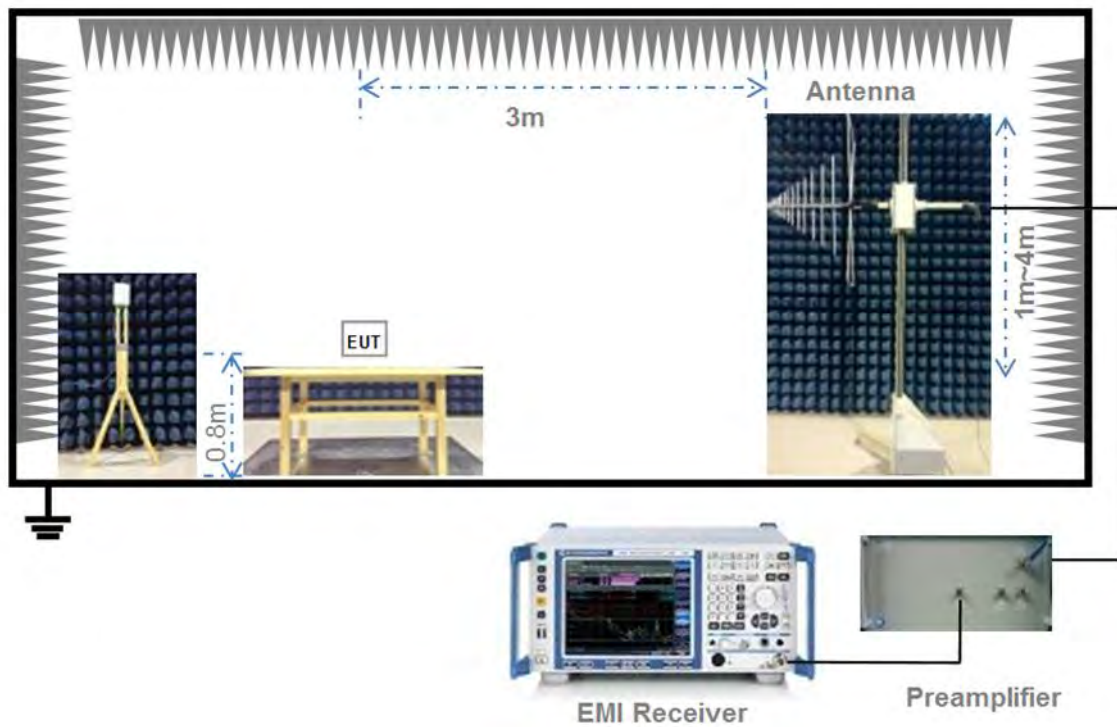
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



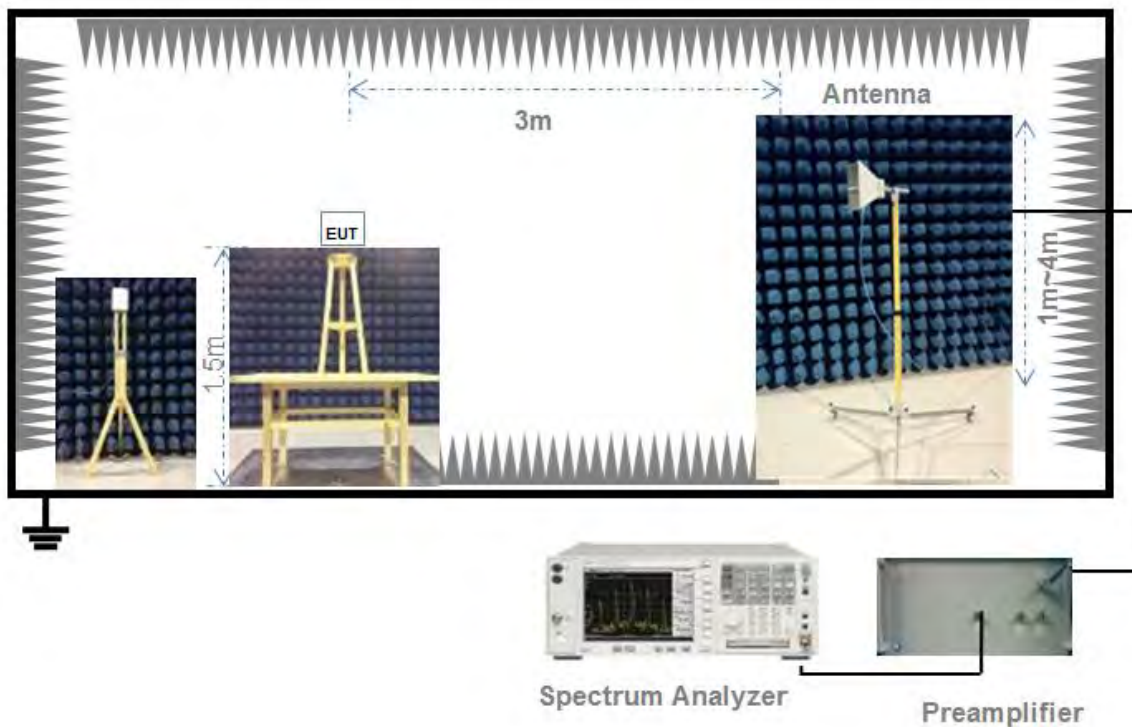
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

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)

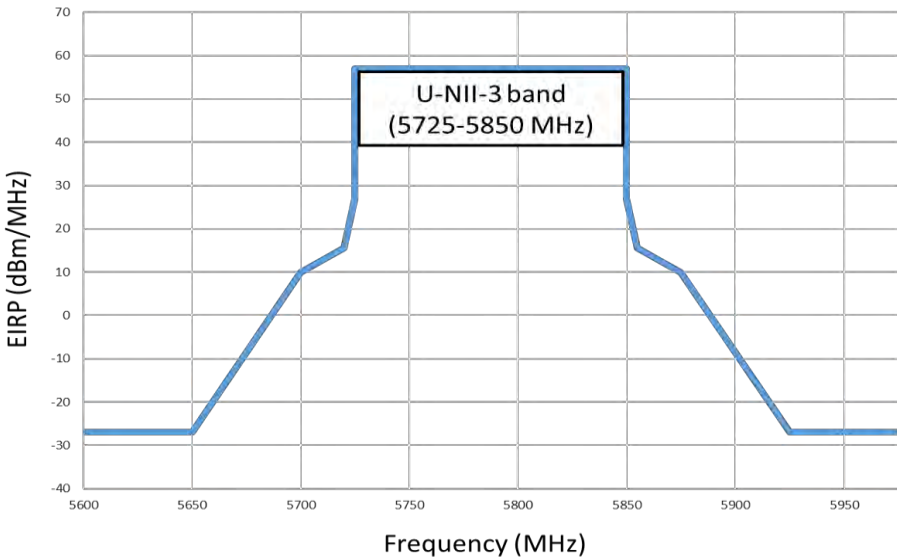
5.5.1 Limit

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

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

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note: 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	50.00	50.00	100.00%
11n (HT20)/11ac (VHT20)	50.00	50.00	100.00%
11n (HT40)/11ac (VHT40)	50.00	50.00	100.00%
11ac (VHT80)	50.00	50.00	100.00%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.33	34.12	250	Pass
11a	CH44	12.53	17.91	250	Pass
11a	CH48	11.98	15.78	250	Pass
11n (HT20)	CH36	14.73	29.72	250	Pass
11n (HT20)	CH44	12.96	19.77	250	Pass
11n (HT20)	CH48	12.26	16.83	250	Pass
11n (HT40)	CH38	13.17	20.75	250	Pass
11n (HT40)	CH46	14.74	29.79	250	Pass
11ac (VHT20)	CH36	14.64	29.11	250	Pass
11ac (VHT20)	CH44	12.94	19.68	250	Pass
11ac (VHT20)	CH48	12.27	16.87	250	Pass
11ac (VHT40)	CH38	12.83	19.19	250	Pass
11ac (VHT40)	CH46	13.68	23.33	250	Pass
11ac (VHT80)	CH42	12.45	17.58	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	12.28	16.90	250	Pass
11a	CH60	10.45	11.09	250	Pass
11a	CH64	10.50	11.22	250	Pass
11n (HT20)	CH52	12.64	18.37	250	Pass
11n (HT20)	CH60	10.44	11.07	250	Pass
11n (HT20)	CH64	9.86	9.68	250	Pass
11n (HT40)	CH54	13.18	20.80	250	Pass
11n (HT40)	CH62	11.40	13.80	250	Pass
11ac (VHT20)	CH52	12.21	16.63	250	Pass
11ac (VHT20)	CH60	9.86	9.68	250	Pass
11ac (VHT20)	CH64	9.81	9.57	250	Pass
11ac (VHT40)	CH54	13.56	22.70	250	Pass
11ac (VHT40)	CH62	11.76	15.00	250	Pass
11ac (VHT80)	CH58	12.60	18.20	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	15.31	33.96	250	Pass
11a	CH116	16.34	43.05	250	Pass
11a	CH140	7.72	5.92	250	Pass
11n (HT20)	CH100	14.66	29.24	250	Pass
11n (HT20)	CH116	16.61	45.81	250	Pass
11n (HT20)	CH140	7.65	5.82	250	Pass
11n (HT40)	CH102	10.05	10.12	250	Pass
11n (HT40)	CH118	15.61	36.39	250	Pass
11n (HT40)	CH134	11.26	13.37	250	Pass
11ac (VHT20)	CH100	14.49	28.12	250	Pass
11ac (VHT20)	CH116	14.83	30.41	250	Pass
11ac (VHT20)	CH140	7.64	5.81	250	Pass
11ac (VHT40)	CH102	10.14	10.33	250	Pass
11ac (VHT40)	CH118	13.74	23.66	250	Pass
11ac (VHT40)	CH134	11.58	14.39	250	Pass
11ac (VHT80)	CH106	8.86	7.69	250	Pass
11ac (VHT80)	CH122	13.88	24.43	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	13.57	22.75	1000	Pass
11a	CH157	13.60	22.91	1000	Pass
11a	CH165	13.92	24.66	1000	Pass
11n (HT20)	CH149	13.82	24.10	1000	Pass
11n (HT20)	CH157	13.73	23.60	1000	Pass
11n (HT20)	CH165	13.99	25.06	1000	Pass
11n (HT40)	CH151	15.21	33.19	1000	Pass
11n (HT40)	CH159	15.04	31.92	1000	Pass
11ac (VHT20)	CH149	14.18	26.18	1000	Pass
11ac (VHT20)	CH157	13.94	24.77	1000	Pass
11ac (VHT20)	CH165	14.46	27.93	1000	Pass
11ac (VHT40)	CH151	13.84	24.21	1000	Pass
11ac (VHT40)	CH159	13.80	23.99	1000	Pass
11ac (VHT80)	CH155	13.74	23.66	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2411300-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	25.47	16.74
11a	CH44	20.15	16.58
11a	CH48	20.22	16.59
11n (HT20)	CH36	21.75	17.72
11n (HT20)	CH44	21.06	17.68
11n (HT20)	CH48	21.07	17.69
11n (HT40)	CH38	41.76	36.22
11n (HT40)	CH46	43.32	36.26
11ac (VHT20)	CH36	21.82	17.75
11ac (VHT20)	CH44	21.07	17.70
11ac (VHT20)	CH48	21.08	17.71
11ac (VHT40)	CH38	41.73	36.21
11ac (VHT40)	CH46	41.87	36.21
11ac (VHT80)	CH42	82.60	75.85

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.21	16.59
11a	CH60	20.25	16.61
11a	CH64	20.29	16.61
11n (HT20)	CH52	21.10	17.69
11n (HT20)	CH60	21.11	17.69
11n (HT20)	CH64	21.13	17.72
11n (HT40)	CH54	41.97	36.23
11n (HT40)	CH62	41.95	36.28
11ac (VHT20)	CH52	21.05	17.71
11ac (VHT20)	CH60	21.09	17.75
11ac (VHT20)	CH64	21.14	17.74
11ac (VHT40)	CH54	41.85	36.21
11ac (VHT40)	CH62	41.89	36.31
11ac (VHT80)	CH58	82.91	76.03

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	28.72	16.97
11a	CH116	38.14	20.56
11a	CH140	20.36	16.73
11n (HT20)	CH100	27.88	17.86
11n (HT20)	CH116	39.90	22.52
11n (HT20)	CH140	21.14	17.83
11n (HT40)	CH102	41.90	36.33
11n (HT40)	CH118	74.46	37.39
11n (HT40)	CH134	42.00	36.32
11ac (VHT20)	CH100	26.37	17.87
11ac (VHT20)	CH116	33.19	18.10
11ac (VHT20)	CH140	21.10	17.84
11ac (VHT40)	CH102	41.86	36.31
11ac (VHT40)	CH118	52.59	36.42
11ac (VHT40)	CH134	41.85	36.31
11ac (VHT80)	CH106	82.73	76.37
11ac (VHT80)	CH122	110.60	76.30

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	25.32	16.77
11a	CH157	25.48	16.84
11a	CH165	26.59	16.90
11n (HT20)	CH149	28.72	17.87
11n (HT20)	CH157	28.74	17.93
11n (HT20)	CH165	29.48	17.99
11n (HT40)	CH151	74.57	37.76
11n (HT40)	CH159	78.46	39.40
11ac (VHT20)	CH149	31.94	18.01
11ac (VHT20)	CH157	30.95	18.02
11ac (VHT20)	CH165	33.27	18.27
11ac (VHT40)	CH151	60.18	36.55
11ac (VHT40)	CH159	60.23	36.59
11ac (VHT80)	CH155	110.90	76.53

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2411300-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.60	500.00	Pass
11a	CH157	16.65	500.00	Pass
11a	CH165	16.65	500.00	Pass
11n (HT20)	CH149	17.75	500.00	Pass
11n (HT20)	CH157	17.75	500.00	Pass
11n (HT20)	CH165	17.80	500.00	Pass
11n (HT40)	CH151	36.50	500.00	Pass
11n (HT40)	CH159	36.50	500.00	Pass
11ac (VHT20)	CH149	17.75	500.00	Pass
11ac (VHT20)	CH157	17.75	500.00	Pass
11ac (VHT20)	CH165	17.80	500.00	Pass
11ac (VHT40)	CH151	36.50	500.00	Pass
11ac (VHT40)	CH159	36.50	500.00	Pass
11ac (VHT80)	CH155	76.40	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2411300-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	2.35	11.00	Pass
11a	CH44	-0.44	11.00	Pass
11a	CH48	-0.94	11.00	Pass
11n (HT20)	CH36	1.93	11.00	Pass
11n (HT20)	CH44	0.34	11.00	Pass
11n (HT20)	CH48	-0.54	11.00	Pass
11n (HT40)	CH38	-4.76	11.00	Pass
11n (HT40)	CH46	-2.56	11.00	Pass
11ac (VHT20)	CH36	1.80	11.00	Pass
11ac (VHT20)	CH44	0.26	11.00	Pass
11ac (VHT20)	CH48	-0.42	11.00	Pass
11ac (VHT40)	CH38	-4.17	11.00	Pass
11ac (VHT40)	CH46	-1.74	11.00	Pass
11ac (VHT80)	CH42	-9.55	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-0.71	11.00	Pass
11a	CH60	-2.88	11.00	Pass
11a	CH64	-2.16	11.00	Pass
11n (HT20)	CH52	-0.16	11.00	Pass
11n (HT20)	CH60	-2.25	11.00	Pass
11n (HT20)	CH64	-3.03	11.00	Pass
11n (HT40)	CH54	-4.30	11.00	Pass
11n (HT40)	CH62	-5.09	11.00	Pass
11ac (VHT20)	CH52	-0.72	11.00	Pass
11ac (VHT20)	CH60	-2.68	11.00	Pass
11ac (VHT20)	CH64	-2.78	11.00	Pass
11ac (VHT40)	CH54	-3.79	11.00	Pass
11ac (VHT40)	CH62	-5.24	11.00	Pass
11ac (VHT80)	CH58	-8.38	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	2.45	11.00	Pass
11a	CH116	3.61	11.00	Pass
11a	CH140	-5.29	11.00	Pass
11n (HT20)	CH100	1.88	11.00	Pass
11n (HT20)	CH116	4.15	11.00	Pass
11n (HT20)	CH140	-4.99	11.00	Pass
11n (HT40)	CH102	-7.61	11.00	Pass
11n (HT40)	CH118	-1.17	11.00	Pass
11n (HT40)	CH134	-6.95	11.00	Pass
11ac (VHT20)	CH100	2.30	11.00	Pass
11ac (VHT20)	CH116	2.83	11.00	Pass
11ac (VHT20)	CH140	-5.34	11.00	Pass
11ac (VHT40)	CH102	-6.91	11.00	Pass
11ac (VHT40)	CH118	-1.18	11.00	Pass
11ac (VHT40)	CH134	-5.47	11.00	Pass
11ac (VHT80)	CH106	-13.24	11.00	Pass
11ac (VHT80)	CH122	-6.15	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-2.23	30.00	Pass
11a	CH157	-2.01	30.00	Pass
11a	CH165	-2.07	30.00	Pass
11n (HT20)	CH149	-1.91	30.00	Pass
11n (HT20)	CH157	-1.95	30.00	Pass
11n (HT20)	CH165	-1.80	30.00	Pass
11n (HT40)	CH151	-5.30	30.00	Pass
11n (HT40)	CH159	-5.65	30.00	Pass
11ac (VHT20)	CH149	-1.43	30.00	Pass
11ac (VHT20)	CH157	-1.68	30.00	Pass
11ac (VHT20)	CH165	-1.41	30.00	Pass
11ac (VHT40)	CH151	-5.16	30.00	Pass
11ac (VHT40)	CH159	-5.46	30.00	Pass
11ac (VHT80)	CH155	-8.76	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.

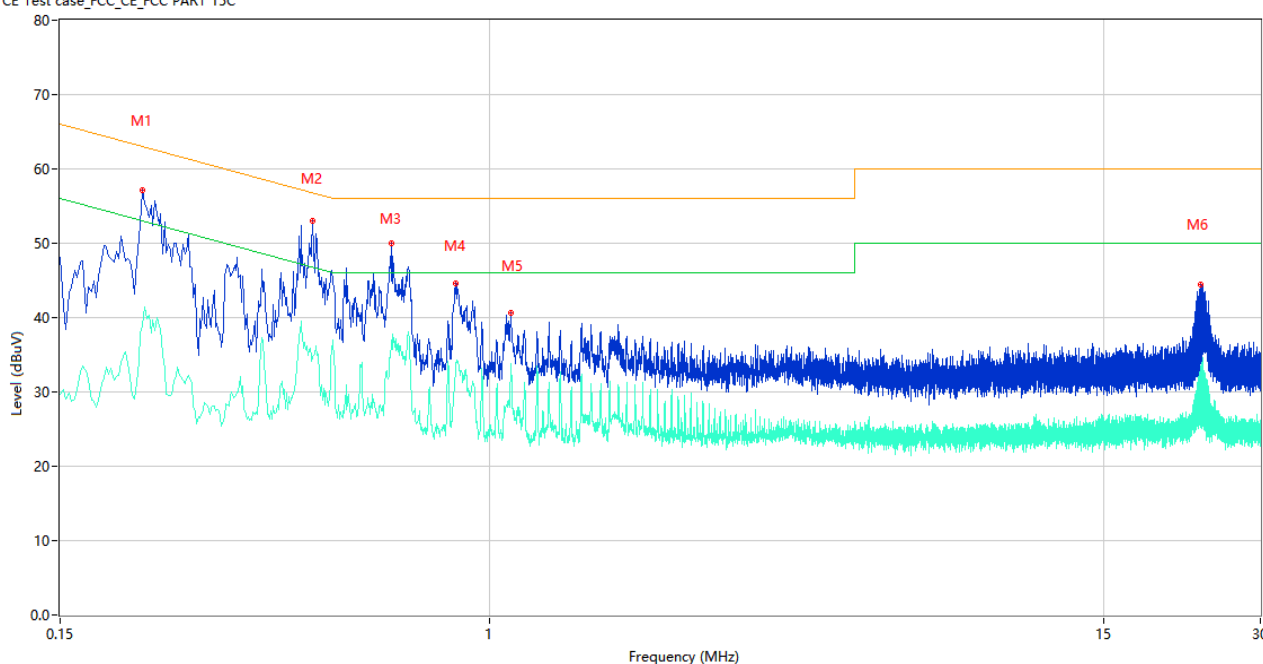
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

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

Test Data and Plots

PHASE L

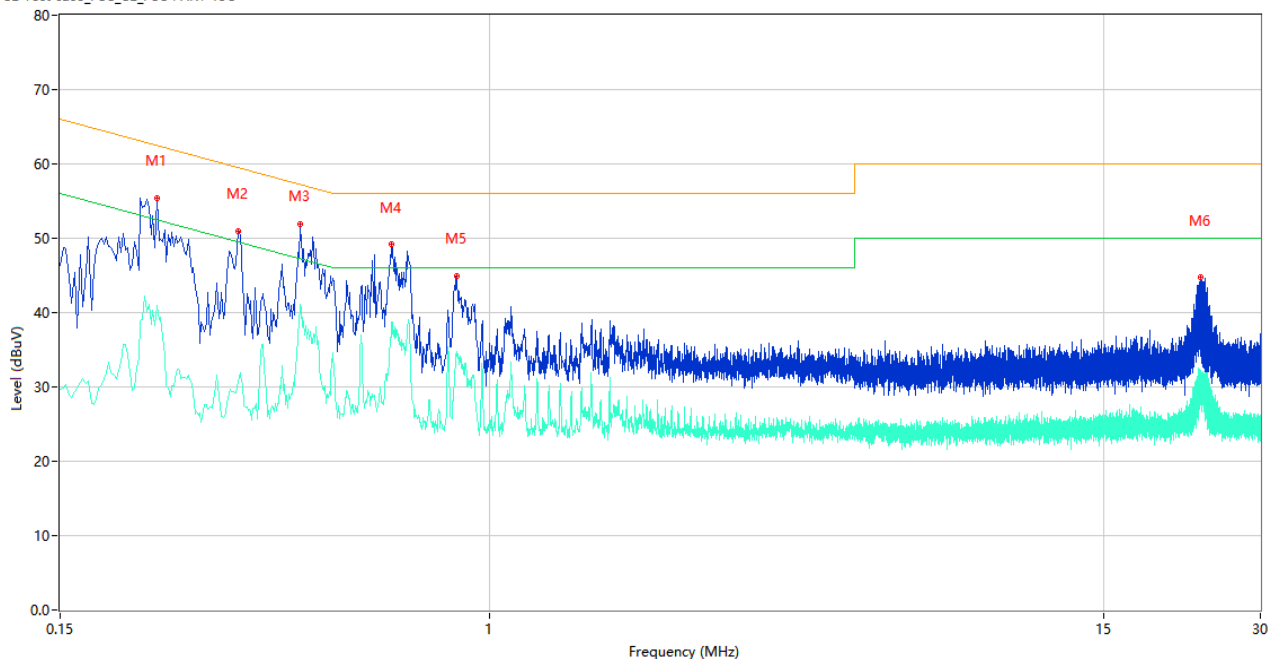
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.216	57.07	9.77	62.97	5.90	Peak	L	Pass
1**	0.216	38.89	9.77	52.97	14.08	AV	L	Pass
2	0.458	52.95	10.02	56.73	3.78	Peak	L	Pass
2**	0.458	34.58	10.02	46.73	12.15	AV	L	Pass
3	0.646	50.03	10.20	56.00	5.97	Peak	L	Pass
3**	0.646	36.47	10.20	46.00	9.53	AV	L	Pass
4	0.858	44.65	10.54	56.00	11.35	Peak	L	Pass
4**	0.858	32.79	10.54	46.00	13.21	AV	L	Pass
5	1.098	40.60	10.00	56.00	15.40	Peak	L	Pass
5**	1.098	33.79	10.00	46.00	12.21	AV	L	Pass
6	23.022	44.51	10.86	60.00	15.49	Peak	L	Pass
6**	23.022	33.27	10.86	50.00	16.73	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	0.230	55.47	9.77	62.45	6.98	Peak	N	Pass
1**	0.230	41.01	9.77	52.45	11.44	AV	N	Pass
2	0.330	50.98	10.36	59.45	8.47	Peak	N	Pass
2**	0.330	30.56	10.36	49.45	18.89	AV	N	Pass
3	0.432	51.83	10.22	57.21	5.38	Peak	N	Pass
3**	0.432	41.17	10.22	47.21	6.04	AV	N	Pass
4	0.648	49.14	10.21	56.00	6.86	Peak	N	Pass
4**	0.648	38.68	10.21	46.00	7.32	AV	N	Pass
5	0.864	44.95	10.49	56.00	11.05	Peak	N	Pass
5**	0.864	34.71	10.49	46.00	11.29	AV	N	Pass
6	23.072	44.76	10.65	60.00	15.24	Peak	N	Pass
6**	23.072	29.63	10.65	50.00	20.37	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.

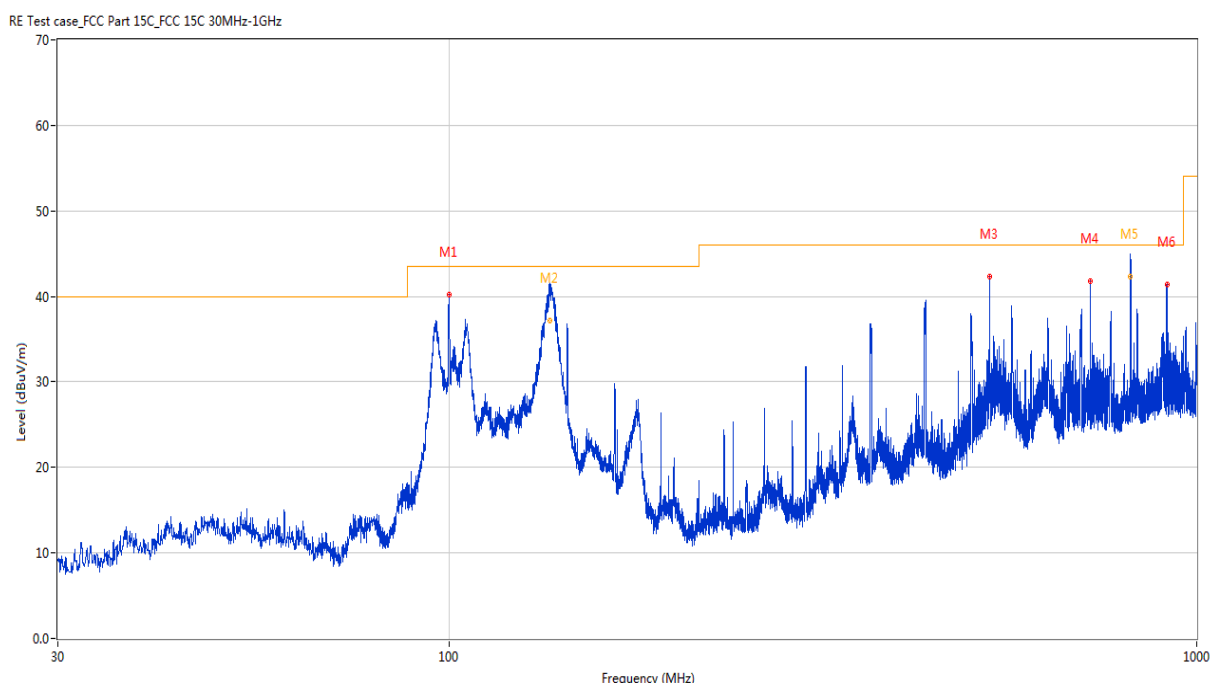
Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

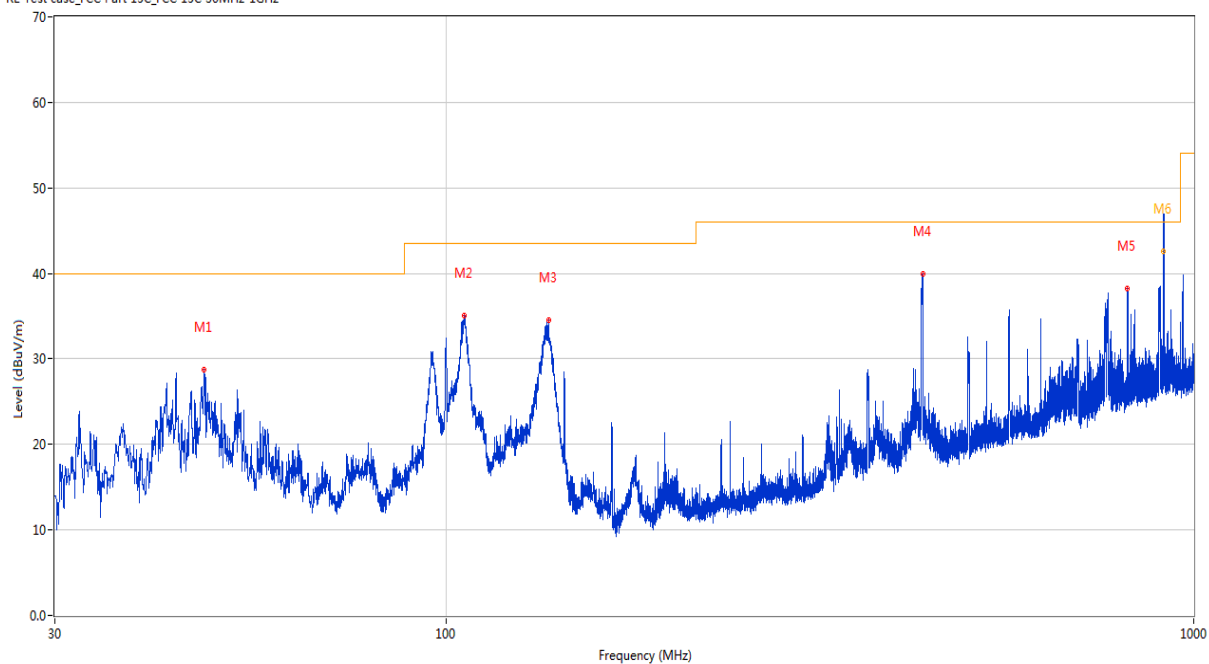
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	100.082	40.19	-24.76	43.5	3.31	Peak	295.70	200	Horizontal	Pass
2	136.361	41.54	-27.55	43.5	1.96	Peak	104.60	200	Horizontal	N/A
2*	136.361	37.12	-27.55	43.5	6.38	QP	104.60	200	Horizontal	Pass
3	527.998	42.38	-15.95	46.0	3.62	Peak	169.50	100	Horizontal	Pass
4	720.010	41.78	-13.49	46.0	4.22	Peak	194.30	100	Horizontal	Pass
5	816.039	44.97	-10.93	46.0	1.03	Peak	1.60	100	Horizontal	N/A
5*	816.039	42.36	-10.93	46.0	3.64	QP	1.60	100	Horizontal	Pass
6	912.021	41.45	-10.22	46.0	4.55	Peak	187.70	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.508	28.76	-22.76	40.0	11.24	Peak	181.10	200	Vertical	Pass
2	105.660	35.12	-24.21	43.5	8.38	Peak	120.60	100	Vertical	Pass
3	137.137	34.56	-27.62	43.5	8.94	Peak	190.00	200	Vertical	Pass
4	433.908	39.89	-17.97	46.0	6.11	Peak	204.70	100	Vertical	Pass
5	816.039	38.22	-10.93	46.0	7.78	Peak	185.10	100	Vertical	Pass
6	911.972	46.97	-10.23	46.0	-0.97	Peak	178.80	100	Vertical	N/A
6*	911.972	42.56	-10.23	46.0	3.44	QP	178.80	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.600	58.56	-17.12	74.0	15.44	Peak	98.00	200	Horizontal	Pass
1**	1489.600	44.46	-17.12	54.0	9.54	AV	98.00	200	Horizontal	Pass
2	4297.750	46.81	-4.97	74.0	27.19	Peak	165.00	200	Horizontal	Pass
2**	4297.750	37.94	-4.97	54.0	16.06	AV	165.00	200	Horizontal	Pass
3	5186.000	100.57	-2.33	--	--	Peak	80.00	200	Horizontal	N/A
3**	5186.000	92.93	-2.33	--	--	AV	80.00	200	Horizontal	N/A
4	7696.250	53.84	1.22	74.0	20.16	Peak	209.00	400	Horizontal	Pass
4**	7696.250	44.06	1.22	54.0	9.94	AV	209.00	400	Horizontal	Pass
5	15529.875	57.60	1.24	74.0	16.40	Peak	0.00	100	Horizontal	Pass
5**	15529.875	46.35	1.24	54.0	7.65	AV	0.00	100	Horizontal	Pass
6	15544.313	56.60	1.17	74.0	17.40	Peak	79.00	100	Horizontal	Pass
6**	15544.313	49.75	1.17	54.0	4.25	AV	79.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.900	60.29	-16.80	74.0	13.71	Peak	13.00	200	Vertical	Pass
1**	1575.900	45.17	-16.80	54.0	8.83	AV	13.00	200	Vertical	Pass
2	4195.000	46.95	-5.46	74.0	27.05	Peak	255.00	300	Vertical	Pass
2**	4195.000	37.60	-5.46	54.0	16.40	AV	255.00	300	Vertical	Pass
3	5173.750	104.42	-2.69	--	--	Peak	65.00	150	Vertical	N/A
3**	5173.750	96.87	-2.69	--	--	AV	65.00	150	Vertical	N/A
4	12396.363	52.62	1.09	74.0	21.38	Peak	243.00	150	Vertical	Pass
4**	12396.363	43.84	1.09	54.0	10.16	AV	243.00	150	Vertical	Pass
5	15549.038	59.96	1.14	74.0	14.04	Peak	7.00	100	Vertical	Pass
5**	15549.038	48.92	1.14	54.0	5.08	AV	7.00	100	Vertical	Pass
6	15539.849	55.14	1.19	74.0	18.86	Peak	0.00	100	Vertical	Pass
6**	15539.849	50.72	1.19	54.0	3.28	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.900	58.31	-17.13	74.0	15.69	Peak	63.00	200	Horizontal	Pass
1**	1489.900	44.98	-17.13	54.0	9.02	AV	63.00	200	Horizontal	Pass
2	4346.750	47.31	-4.81	74.0	26.69	Peak	169.00	400	Horizontal	Pass
2**	4346.750	37.95	-4.81	54.0	16.05	AV	169.00	400	Horizontal	Pass
3	5215.500	97.01	-2.50	--	--	Peak	45.00	200	Horizontal	N/A
3**	5215.500	90.51	-2.50	--	--	AV	45.00	200	Horizontal	N/A
4	7672.500	52.90	0.72	74.0	21.10	Peak	94.00	200	Horizontal	Pass
4**	7672.500	44.27	0.72	54.0	9.73	AV	94.00	200	Horizontal	Pass
5	12509.412	52.82	1.38	74.0	21.18	Peak	0.00	100	Horizontal	Pass
5**	12509.412	44.16	1.38	54.0	9.84	AV	0.00	100	Horizontal	Pass
6	15675.037	59.81	1.87	74.0	14.19	Peak	75.00	400	Horizontal	Pass
6**	15675.037	50.15	1.87	54.0	3.85	AV	75.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.900	59.26	-17.01	74.0	14.74	Peak	6.00	100	Vertical	Pass
1**	1572.900	43.98	-17.01	54.0	10.02	AV	6.00	100	Vertical	Pass
2	4262.000	47.48	-4.53	74.0	26.52	Peak	347.00	400	Vertical	Pass
2**	4262.000	38.01	-4.53	54.0	15.99	AV	347.00	400	Vertical	Pass
3	5215.250	101.54	-2.43	--	--	Peak	72.00	150	Vertical	N/A
3**	5215.250	94.80	-2.43	--	--	AV	72.00	150	Vertical	N/A
4	12508.225	52.68	1.39	74.0	21.32	Peak	100.00	200	Vertical	Pass
4**	12508.225	43.12	1.39	54.0	10.88	AV	100.00	200	Vertical	Pass
5	15660.599	55.72	2.03	74.0	18.28	Peak	360.00	200	Vertical	Pass
5**	15660.599	50.98	2.03	54.0	3.02	AV	360.00	200	Vertical	Pass
6	15668.737	58.94	1.94	74.0	15.06	Peak	22.00	100	Vertical	Pass
6**	15668.737	48.35	1.94	54.0	5.65	AV	22.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.900	58.08	-17.32	74.0	15.92	Peak	62.00	200	Horizontal	Pass
1**	1517.900	45.65	-17.32	54.0	8.35	AV	62.00	200	Horizontal	Pass
2	4337.500	47.79	-5.14	74.0	26.21	Peak	242.00	300	Horizontal	Pass
2**	4337.500	37.59	-5.14	54.0	16.41	AV	242.00	300	Horizontal	Pass
3	5235.250	96.57	-2.86	--	--	Peak	18.00	200	Horizontal	N/A
3**	5235.250	88.77	-2.86	--	--	AV	18.00	200	Horizontal	N/A
4	12469.512	52.68	1.19	74.0	21.32	Peak	261.00	200	Horizontal	Pass
4**	12469.512	42.99	1.19	54.0	11.01	AV	261.00	200	Horizontal	Pass
5	15723.862	58.14	1.43	74.0	15.86	Peak	75.00	400	Horizontal	Pass
5**	15723.862	48.54	1.43	54.0	5.46	AV	75.00	400	Horizontal	Pass
6	15724.125	54.56	1.42	74.0	19.44	Peak	85.00	200	Horizontal	Pass
6**	15724.125	50.16	1.42	54.0	3.84	AV	85.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.200	60.51	-17.08	74.0	13.49	Peak	5.00	100	Vertical	Pass
1**	1577.200	44.84	-17.08	54.0	9.16	AV	5.00	100	Vertical	Pass
2	4250.750	47.58	-4.27	74.0	26.42	Peak	360.00	300	Vertical	Pass
2**	4250.750	39.53	-4.27	54.0	14.47	AV	360.00	300	Vertical	Pass
3	5234.250	100.70	-2.83	--	--	Peak	355.00	200	Vertical	N/A
3**	5234.250	94.20	-2.83	--	--	AV	355.00	200	Vertical	N/A
4	12005.200	53.02	0.40	74.0	20.98	Peak	3.00	200	Vertical	Pass
4**	12005.200	43.10	0.40	54.0	10.90	AV	3.00	200	Vertical	Pass
5	15729.637	60.77	1.38	74.0	13.23	Peak	26.00	100	Vertical	Pass
5**	15729.637	46.74	1.38	54.0	7.26	AV	26.00	100	Vertical	Pass
6	15729.901	53.49	1.38	74.0	20.51	Peak	0.00	200	Vertical	Pass
6**	15729.901	50.94	1.38	54.0	3.06	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1516.000	57.84	-16.95	74.0	16.16	Peak	76.00	200	Horizontal	Pass
1**	1516.000	42.68	-16.95	54.0	11.32	AV	76.00	200	Horizontal	Pass
2	4357.000	47.06	-4.64	74.0	26.94	Peak	61.00	100	Horizontal	Pass
2**	4357.000	38.32	-4.64	54.0	15.68	AV	61.00	100	Horizontal	Pass
3	5186.250	99.98	-2.42	--	--	Peak	1.00	150	Horizontal	N/A
3**	5186.250	92.55	-2.42	--	--	AV	1.00	150	Horizontal	N/A
4	7708.500	53.76	1.84	74.0	20.24	Peak	0.00	100	Horizontal	Pass
4**	7708.500	44.75	1.84	54.0	9.25	AV	0.00	100	Horizontal	Pass
5	15535.126	58.12	1.22	74.0	15.88	Peak	70.00	400	Horizontal	Pass
5**	15535.126	47.27	1.22	54.0	6.73	AV	70.00	400	Horizontal	Pass
6	15545.625	57.42	1.16	74.0	16.58	Peak	9.00	400	Horizontal	Pass
6**	15545.625	49.63	1.16	54.0	4.37	AV	9.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1565.900	59.27	-17.33	74.0	14.73	Peak	32.00	200	Vertical	Pass
1**	1565.900	46.88	-17.33	54.0	7.12	AV	32.00	200	Vertical	Pass
2	4126.250	49.30	-5.61	74.0	24.70	Peak	11.00	100	Vertical	Pass
2**	4126.250	37.81	-5.61	54.0	16.19	AV	11.00	100	Vertical	Pass
3	5174.250	103.74	-2.59	--	--	Peak	51.00	100	Vertical	N/A
3**	5174.250	97.05	-2.59	--	--	AV	51.00	100	Vertical	N/A
4	7312.250	52.85	0.58	74.0	21.15	Peak	11.00	300	Vertical	Pass
4**	7312.250	43.47	0.58	54.0	10.53	AV	11.00	300	Vertical	Pass
5	15530.138	59.57	1.24	74.0	14.43	Peak	17.00	400	Vertical	Pass
5**	15530.138	47.98	1.24	54.0	6.02	AV	17.00	400	Vertical	Pass
6	15544.313	54.43	1.17	74.0	15.57	Peak	9.00	400	Vertical	Pass
6**	15544.313	50.99	1.17	54.0	3.01	AV	9.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.900	57.43	-16.92	74.0	16.57	Peak	64.00	100	Horizontal	Pass
1**	1515.900	46.15	-16.92	54.0	7.85	AV	64.00	100	Horizontal	Pass
2	4327.500	46.66	-4.91	74.0	27.34	Peak	92.00	300	Horizontal	Pass
2**	4327.500	37.62	-4.91	54.0	16.38	AV	92.00	300	Horizontal	Pass
3	5215.500	97.49	-2.50	--	--	Peak	23.00	100	Horizontal	N/A
3**	5215.500	90.76	-2.50	--	--	AV	23.00	100	Horizontal	N/A
4	12408.237	53.12	1.10	74.0	20.88	Peak	105.00	150	Horizontal	Pass
4**	12408.237	43.26	1.10	54.0	10.74	AV	105.00	150	Horizontal	Pass
5	15649.838	57.98	2.14	74.0	16.02	Peak	106.00	300	Horizontal	Pass
5**	15649.838	46.23	2.14	54.0	7.77	AV	106.00	300	Horizontal	Pass
6	15660.338	54.50	2.03	74.0	19.50	Peak	320.00	300	Horizontal	Pass
6**	15660.338	49.66	2.03	54.0	4.34	AV	320.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.500	59.54	-17.15	74.0	14.46	Peak	360.00	100	Vertical	Pass
1**	1577.500	45.83	-17.15	54.0	8.17	AV	360.00	100	Vertical	Pass
2	4134.000	47.31	-5.47	74.0	26.69	Peak	21.00	100	Vertical	Pass
2**	4134.000	37.41	-5.47	54.0	16.59	AV	21.00	100	Vertical	Pass
3	5213.000	101.55	-2.60	--	--	Peak	68.00	100	Vertical	N/A
3**	5213.000	93.64	-2.60	--	--	AV	68.00	100	Vertical	N/A
4	7701.750	54.17	1.40	74.0	19.83	Peak	291.00	100	Vertical	Pass
4**	7701.750	44.21	1.40	54.0	9.79	AV	291.00	100	Vertical	Pass
5	15666.638	60.00	1.96	74.0	14.00	Peak	29.00	400	Vertical	Pass
5**	15666.638	49.57	1.96	54.0	4.43	AV	29.00	400	Vertical	Pass
6	15666.900	57.17	1.96	74.0	16.83	Peak	12.00	300	Vertical	Pass
6**	15666.900	50.80	1.96	54.0	3.20	AV	12.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.200	57.19	-17.16	74.0	16.81	Peak	96.00	400	Horizontal	Pass
1**	1490.200	43.12	-17.16	54.0	10.88	AV	96.00	400	Horizontal	Pass
2	4274.500	46.79	-5.15	74.0	27.21	Peak	145.00	100	Horizontal	Pass
2**	4274.500	38.21	-5.15	54.0	15.79	AV	145.00	100	Horizontal	Pass
3	5235.500	96.20	-2.90	--	--	Peak	33.00	200	Horizontal	N/A
3**	5235.500	88.56	-2.90	--	--	AV	33.00	200	Horizontal	N/A
4	12450.987	52.81	1.05	74.0	21.19	Peak	236.00	200	Horizontal	Pass
4**	12450.987	43.36	1.05	54.0	10.64	AV	236.00	200	Horizontal	Pass
5	15721.500	58.64	1.44	74.0	15.36	Peak	73.00	400	Horizontal	Pass
5**	15721.500	46.98	1.44	54.0	7.02	AV	73.00	400	Horizontal	Pass
6	15723.862	54.35	1.43	74.0	19.65	Peak	360.00	200	Horizontal	Pass
6**	15723.862	50.00	1.43	54.0	4.00	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.200	58.79	-16.81	74.0	15.21	Peak	0.00	400	Vertical	Pass
1**	1576.200	40.14	-16.81	54.0	13.86	AV	0.00	400	Vertical	Pass
2	4197.000	47.42	-5.55	74.0	26.58	Peak	360.00	300	Vertical	Pass
2**	4197.000	37.33	-5.55	54.0	16.67	AV	360.00	300	Vertical	Pass
3	5244.000	100.80	-3.31	--	--	Peak	350.00	150	Vertical	N/A
3**	5244.000	93.13	-3.31	--	--	AV	350.00	150	Vertical	N/A
4	12514.162	53.54	1.36	74.0	20.46	Peak	261.00	150	Vertical	Pass
4**	12514.162	43.93	1.36	54.0	10.07	AV	261.00	150	Vertical	Pass
5	15709.950	60.14	1.53	74.0	13.86	Peak	14.00	200	Vertical	Pass
5**	15709.950	47.05	1.53	54.0	6.95	AV	14.00	200	Vertical	Pass
6	15720.974	57.82	1.45	74.0	16.18	Peak	360.00	200	Vertical	Pass
6**	15720.974	50.74	1.45	54.0	3.26	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	58.21	-17.13	74.0	15.79	Peak	91.00	200	Horizontal	Pass
1**	1489.800	46.01	-17.13	54.0	7.99	AV	91.00	200	Horizontal	Pass
2	4319.750	47.83	-5.08	74.0	26.17	Peak	335.00	200	Horizontal	Pass
2**	4319.750	38.64	-5.08	54.0	15.36	AV	335.00	200	Horizontal	Pass
3	5187.750	98.22	-2.46	--	--	Peak	92.00	100	Horizontal	N/A
3**	5187.750	90.21	-2.46	--	--	AV	92.00	100	Horizontal	N/A
4	7709.000	53.60	1.89	74.0	20.40	Peak	360.00	100	Horizontal	Pass
4**	7709.000	44.30	1.89	54.0	9.70	AV	360.00	100	Horizontal	Pass
5	12364.300	52.64	0.92	74.0	21.36	Peak	327.00	100	Horizontal	Pass
5**	12364.300	43.05	0.92	54.0	10.95	AV	327.00	100	Horizontal	Pass
6	15565.575	54.80	1.07	74.0	19.20	Peak	0.00	100	Horizontal	Pass
6**	15565.575	46.84	1.07	54.0	7.16	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.500	59.86	-17.15	74.0	14.14	Peak	25.00	300	Vertical	Pass
1**	1577.500	44.82	-17.15	54.0	9.18	AV	25.00	300	Vertical	Pass
2	4250.500	47.91	-4.38	74.0	26.09	Peak	19.00	100	Vertical	Pass
2**	4250.500	37.76	-4.38	54.0	16.24	AV	19.00	100	Vertical	Pass
3	5205.250	102.17	-2.36	--	--	Peak	63.00	200	Vertical	N/A
3**	5205.250	95.49	-2.36	--	--	AV	63.00	200	Vertical	N/A
4	12469.987	53.30	1.20	74.0	20.70	Peak	354.00	200	Vertical	Pass
4**	12469.987	43.02	1.20	54.0	10.98	AV	354.00	200	Vertical	Pass
5	15579.750	57.53	1.00	74.0	16.47	Peak	21.00	400	Vertical	Pass
5**	15579.750	48.84	1.00	54.0	5.16	AV	21.00	400	Vertical	Pass
6	15576.863	54.49	1.02	74.0	19.51	Peak	38.00	400	Vertical	Pass
6**	15576.863	50.50	1.02	54.0	3.50	AV	38.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.400	58.38	-17.10	74.0	15.62	Peak	96.00	300	Horizontal	Pass
1**	1489.400	43.90	-17.10	54.0	10.10	AV	96.00	300	Horizontal	Pass
2	4251.000	47.14	-4.04	74.0	26.86	Peak	301.00	100	Horizontal	Pass
2**	4251.000	38.12	-4.04	54.0	15.88	AV	301.00	100	Horizontal	Pass
3	5231.750	95.93	-3.11	--	--	Peak	43.00	200	Horizontal	N/A
3**	5231.750	89.25	-3.11	--	--	AV	43.00	200	Horizontal	N/A
4	12000.213	53.15	0.47	74.0	20.85	Peak	207.00	150	Horizontal	Pass
4**	12000.213	43.76	0.47	54.0	10.24	AV	207.00	150	Horizontal	Pass
5	15696.825	58.25	1.64	74.0	15.75	Peak	344.00	200	Horizontal	Pass
5**	15696.825	49.66	1.64	54.0	4.34	AV	344.00	200	Horizontal	Pass
6	15687.638	57.13	1.74	74.0	16.87	Peak	86.00	200	Horizontal	Pass
6**	15687.638	50.39	1.74	54.0	3.61	AV	86.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.700	59.69	-17.04	74.0	14.31	Peak	0.00	100	Vertical	Pass
1**	1577.700	47.28	-17.04	54.0	6.72	AV	0.00	100	Vertical	Pass
2	4344.750	47.72	-5.03	74.0	26.28	Peak	178.00	100	Vertical	Pass
2**	4344.750	37.72	-5.03	54.0	16.28	AV	178.00	100	Vertical	Pass
3	5214.500	100.60	-2.61	--	--	Peak	76.00	200	Vertical	N/A
3**	5214.500	92.92	-2.61	--	--	AV	76.00	200	Vertical	N/A
4	12412.512	52.51	1.09	74.0	21.49	Peak	0.00	150	Vertical	Pass
4**	12412.512	43.82	1.09	54.0	10.18	AV	0.00	150	Vertical	Pass
5	15691.837	59.30	1.69	74.0	14.70	Peak	21.00	400	Vertical	Pass
5**	15691.837	49.68	1.69	54.0	4.32	AV	21.00	400	Vertical	Pass
6	15696.300	57.10	1.64	74.0	16.90	Peak	12.00	200	Vertical	Pass
6**	15696.300	50.75	1.64	54.0	3.25	AV	12.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.500	57.67	-17.12	74.0	16.33	Peak	96.00	400	Horizontal	Pass
1**	1489.500	43.64	-17.12	54.0	10.36	AV	96.00	400	Horizontal	Pass
2	4305.500	46.86	-5.12	74.0	27.14	Peak	301.00	200	Horizontal	Pass
2**	4305.500	38.21	-5.12	54.0	15.79	AV	301.00	200	Horizontal	Pass
3	5185.500	100.92	-2.48	--	--	Peak	91.00	100	Horizontal	N/A
3**	5185.500	93.64	-2.48	--	--	AV	91.00	100	Horizontal	N/A
4	12502.525	52.67	1.42	74.0	21.33	Peak	360.00	100	Horizontal	Pass
4**	12502.525	44.02	1.42	54.0	9.98	AV	360.00	100	Horizontal	Pass
5	15543.262	55.92	1.17	74.0	18.08	Peak	12.00	200	Horizontal	Pass
5**	15543.262	49.69	1.17	54.0	4.31	AV	12.00	200	Horizontal	Pass
6	15546.675	57.73	1.16	74.0	16.27	Peak	102.00	100	Horizontal	Pass
6**	15546.675	48.47	1.16	54.0	5.53	AV	102.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.100	60.99	-17.03	74.0	13.01	Peak	4.00	200	Vertical	Pass
1**	1577.100	42.48	-17.03	54.0	11.52	AV	4.00	200	Vertical	Pass
2	4167.500	47.42	-5.42	74.0	26.58	Peak	360.00	300	Vertical	Pass
2**	4167.500	37.02	-5.42	54.0	16.98	AV	360.00	300	Vertical	Pass
3	5173.750	105.12	-2.69	--	--	Peak	67.00	200	Vertical	N/A
3**	5173.750	97.64	-2.69	--	--	AV	67.00	200	Vertical	N/A
4	12258.138	53.10	1.01	74.0	20.90	Peak	324.00	200	Vertical	Pass
4**	12258.138	42.60	1.01	54.0	11.40	AV	324.00	200	Vertical	Pass
5	15540.638	58.63	1.19	74.0	15.37	Peak	18.00	200	Vertical	Pass
5**	15540.638	50.83	1.19	54.0	3.17	AV	18.00	200	Vertical	Pass
6	15545.888	60.10	1.16	74.0	13.90	Peak	26.00	100	Vertical	Pass
6**	15545.888	50.26	1.16	54.0	3.74	AV	26.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	57.09	-17.13	74.0	16.91	Peak	88.00	100	Horizontal	Pass
1**	1489.800	45.51	-17.13	54.0	8.49	AV	88.00	100	Horizontal	Pass
2	4157.250	46.97	-5.64	74.0	27.03	Peak	0.00	100	Horizontal	Pass
2**	4157.250	36.78	-5.64	54.0	17.22	AV	0.00	100	Horizontal	Pass
3	5215.000	97.00	-2.67	--	--	Peak	17.00	200	Horizontal	N/A
3**	5215.000	88.94	-2.67	--	--	AV	17.00	200	Horizontal	N/A
4	12420.825	52.53	1.08	74.0	21.47	Peak	0.00	150	Horizontal	Pass
4**	12420.825	43.30	1.08	54.0	10.70	AV	0.00	150	Horizontal	Pass
5	15657.187	54.69	2.06	74.0	19.31	Peak	345.00	150	Horizontal	Pass
5**	15657.187	49.60	2.06	54.0	4.40	AV	345.00	150	Horizontal	Pass
6	15672.937	57.47	1.89	74.0	16.53	Peak	104.00	200	Horizontal	Pass
6**	15672.937	47.14	1.89	54.0	6.86	AV	104.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.600	59.25	-17.10	74.0	14.75	Peak	354.00	400	Vertical	Pass
1**	1577.600	47.59	-17.10	54.0	6.41	AV	354.00	400	Vertical	Pass
2	4127.250	47.63	-5.31	74.0	26.37	Peak	41.00	200	Vertical	Pass
2**	4127.250	38.08	-5.31	54.0	15.92	AV	41.00	200	Vertical	Pass
3	5214.250	101.18	-2.58	--	--	Peak	342.00	150	Vertical	Pass
3**	5214.250	93.64	-2.58	--	--	AV	342.00	150	Vertical	N/A
4	12365.250	53.02	0.93	74.0	20.98	Peak	0.00	200	Vertical	Pass
4**	12365.250	42.99	0.93	54.0	11.01	AV	0.00	200	Vertical	Pass
5	15677.662	59.83	1.84	74.0	14.17	Peak	24.00	200	Vertical	Pass
5**	15677.662	45.80	1.84	54.0	8.20	AV	24.00	200	Vertical	Pass
6	15658.237	56.11	2.05	74.0	17.89	Peak	7.00	150	Vertical	Pass
6**	15658.237	50.29	2.05	54.0	3.71	AV	7.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.600	57.42	-17.24	74.0	16.58	Peak	82.00	300	Horizontal	Pass
1**	1528.600	41.40	-17.24	54.0	12.60	AV	82.00	300	Horizontal	Pass
2	4208.250	46.96	-4.99	74.0	27.04	Peak	293.00	200	Horizontal	Pass
2**	4208.250	37.04	-4.99	54.0	16.96	AV	293.00	200	Horizontal	Pass
3	5233.000	96.01	-2.98	--	--	Peak	17.00	150	Horizontal	N/A
3**	5233.000	88.75	-2.98	--	--	AV	17.00	150	Horizontal	N/A
4	12532.213	52.63	1.25	74.0	21.37	Peak	344.00	200	Horizontal	Pass
4**	12532.213	43.90	1.25	54.0	10.10	AV	344.00	200	Horizontal	Pass
5	15716.775	56.71	1.48	74.0	17.29	Peak	347.00	300	Horizontal	Pass
5**	15716.775	47.53	1.48	54.0	6.47	AV	347.00	300	Horizontal	Pass
6	15720.713	52.98	1.45	74.0	21.02	Peak	339.00	300	Horizontal	Pass
6**	15720.713	48.67	1.45	54.0	5.33	AV	339.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.800	59.35	-16.97	74.0	14.65	Peak	3.00	200	Vertical	Pass
1**	1572.800	43.71	-16.97	54.0	10.29	AV	3.00	200	Vertical	Pass
2	4306.250	46.77	-5.20	74.0	27.23	Peak	198.00	200	Vertical	Pass
2**	4306.250	39.25	-5.20	54.0	14.75	AV	198.00	200	Vertical	Pass
3	5244.500	101.05	-3.18	--	--	Peak	337.00	200	Vertical	N/A
3**	5244.500	93.55	-3.18	--	--	AV	337.00	200	Vertical	N/A
4	11498.849	53.12	-0.61	74.0	20.88	Peak	91.00	100	Vertical	Pass
4**	11498.849	42.61	-0.61	54.0	11.39	AV	91.00	100	Vertical	Pass
5	15716.250	58.04	1.48	74.0	15.96	Peak	14.00	300	Vertical	Pass
5**	15716.250	47.88	1.48	54.0	6.12	AV	14.00	300	Vertical	Pass
6	15725.175	54.98	1.42	74.0	19.02	Peak	14.00	300	Vertical	Pass
6**	15725.175	50.05	1.42	54.0	3.95	AV	14.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.500	58.47	-17.07	74.0	15.53	Peak	82.00	100	Horizontal	Pass
1**	1515.500	39.54	-17.07	54.0	14.46	AV	82.00	100	Horizontal	Pass
2	4277.750	47.40	-5.18	74.0	26.60	Peak	228.00	200	Horizontal	Pass
2**	4277.750	37.97	-5.18	54.0	16.03	AV	228.00	200	Horizontal	Pass
3	5191.500	98.00	-2.46	--	--	Peak	89.00	200	Horizontal	N/A
3**	5191.500	90.62	-2.46	--	--	AV	89.00	200	Horizontal	N/A
4	12447.662	52.53	1.04	74.0	21.47	Peak	275.00	150	Horizontal	Pass
4**	12447.662	43.28	1.04	54.0	10.72	AV	275.00	150	Horizontal	Pass
5	15572.138	55.50	1.04	74.0	18.50	Peak	340.00	400	Horizontal	Pass
5**	15572.138	47.50	1.04	54.0	6.50	AV	340.00	400	Horizontal	Pass
6	15576.075	53.34	1.02	74.0	20.66	Peak	108.00	100	Horizontal	Pass
6**	15576.075	48.44	1.02	54.0	5.56	AV	108.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1558.500	59.03	-17.26	74.0	14.97	Peak	4.00	300	Vertical	Pass
1**	1558.500	43.84	-17.26	54.0	10.16	AV	4.00	300	Vertical	Pass
2	4191.250	47.08	-5.59	74.0	26.92	Peak	36.00	300	Vertical	Pass
2**	4191.250	37.07	-5.59	54.0	16.93	AV	36.00	300	Vertical	Pass
3	5203.500	103.09	-2.71	--	--	Peak	77.00	100	Vertical	N/A
3**	5203.500	95.03	-2.71	--	--	AV	77.00	100	Vertical	N/A
4	12010.900	52.95	0.32	74.0	21.05	Peak	147.00	150	Vertical	Pass
4**	12010.900	43.58	0.32	54.0	10.42	AV	147.00	150	Vertical	Pass
5	15558.750	57.51	1.10	74.0	16.49	Peak	19.00	100	Vertical	Pass
5**	15558.750	49.29	1.10	54.0	4.71	AV	19.00	100	Vertical	Pass
6	15574.500	54.34	1.03	74.0	19.66	Peak	4.00	100	Vertical	Pass
6**	15574.500	50.54	1.03	54.0	3.46	AV	4.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.700	58.10	-17.12	74.0	15.90	Peak	66.00	300	Horizontal	Pass
1**	1489.700	44.07	-17.12	54.0	9.93	AV	66.00	300	Horizontal	Pass
2	4350.750	46.90	-4.64	74.0	27.10	Peak	313.00	200	Horizontal	Pass
2**	4350.750	37.96	-4.64	54.0	16.04	AV	313.00	200	Horizontal	Pass
3	5243.000	95.98	-3.12	--	--	Peak	40.00	150	Horizontal	N/A
3**	5243.000	89.03	-3.12	--	--	AV	40.00	150	Horizontal	N/A
4	12510.838	52.88	1.38	74.0	21.12	Peak	44.00	200	Horizontal	Pass
4**	12510.838	43.51	1.38	54.0	10.49	AV	44.00	200	Horizontal	Pass
5	15691.050	58.08	1.70	74.0	15.92	Peak	349.00	100	Horizontal	Pass
5**	15691.050	49.71	1.70	54.0	4.29	AV	349.00	100	Horizontal	Pass
6	15695.776	55.52	1.65	74.0	18.48	Peak	72.00	100	Horizontal	Pass
6**	15695.776	50.73	1.65	54.0	3.27	AV	72.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1563.500	59.39	-17.46	74.0	14.61	Peak	4.00	200	Vertical	Pass
1**	1563.500	43.92	-17.46	54.0	10.08	AV	4.00	200	Vertical	Pass
2	4347.500	46.97	-4.70	74.0	27.03	Peak	40.00	200	Vertical	Pass
2**	4347.500	38.15	-4.70	54.0	15.85	AV	40.00	200	Vertical	Pass
3	5232.750	100.91	-3.05	--	--	Peak	330.00	100	Vertical	N/A
3**	5232.750	93.08	-3.05	--	--	AV	330.00	100	Vertical	N/A
4	12312.050	52.89	0.63	74.0	21.11	Peak	221.00	150	Vertical	Pass
4**	12312.050	42.57	0.63	54.0	11.43	AV	221.00	150	Vertical	Pass
5	15687.375	59.29	1.74	74.0	14.71	Peak	14.00	200	Vertical	Pass
5**	15687.375	50.43	1.74	54.0	3.57	AV	14.00	200	Vertical	Pass
6	15694.200	57.50	1.67	74.0	16.50	Peak	23.00	100	Vertical	Pass
6**	15694.200	50.88	1.67	54.0	3.12	AV	23.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.900	57.76	-16.92	74.0	16.24	Peak	83.00	200	Horizontal	Pass
1**	1515.900	41.32	-16.92	54.0	12.68	AV	83.00	200	Horizontal	Pass
2	3874.000	47.45	-5.81	74.0	26.55	Peak	89.00	400	Horizontal	Pass
2**	3874.000	36.57	-5.81	54.0	17.43	AV	89.00	400	Horizontal	Pass
3	5237.750	94.69	-2.98	--	--	Peak	19.00	100	Horizontal	N/A
3**	5237.750	87.04	-2.98	--	--	AV	19.00	100	Horizontal	N/A
4	11513.099	53.11	-0.76	74.0	20.89	Peak	80.00	150	Horizontal	Pass
4**	11513.099	42.91	-0.76	54.0	11.09	AV	80.00	150	Horizontal	Pass
5	15649.050	53.16	2.12	74.0	20.84	Peak	342.00	150	Horizontal	Pass
5**	15649.050	50.08	2.12	54.0	3.92	AV	342.00	150	Horizontal	Pass
6	15654.825	56.40	2.09	74.0	17.60	Peak	342.00	100	Horizontal	Pass
6**	15654.825	48.43	2.09	54.0	5.57	AV	342.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1553.100	58.91	-17.43	74.0	15.09	Peak	15.00	400	Vertical	Pass
1**	1553.100	42.84	-17.43	54.0	11.16	AV	15.00	400	Vertical	Pass
2	4184.500	47.10	-5.25	74.0	26.90	Peak	16.00	400	Vertical	Pass
2**	4184.500	37.31	-5.25	54.0	16.69	AV	16.00	400	Vertical	Pass
3	5228.250	98.92	-3.20	--	--	Peak	339.00	200	Vertical	N/A
3**	5228.250	91.40	-3.20	--	--	AV	339.00	200	Vertical	N/A
4	12491.837	52.85	1.37	74.0	21.15	Peak	246.00	150	Vertical	Pass
4**	12491.837	44.53	1.37	54.0	9.47	AV	246.00	150	Vertical	Pass
5	15644.325	56.64	2.00	74.0	17.36	Peak	12.00	150	Vertical	Pass
5**	15644.325	50.11	2.00	54.0	3.89	AV	12.00	150	Vertical	Pass
6	15648.787	57.34	2.11	74.0	16.66	Peak	12.00	300	Vertical	Pass
6**	15648.787	49.00	2.11	54.0	5.00	AV	12.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.700	57.86	-16.95	74.0	16.14	Peak	66.00	300	Horizontal	Pass
1**	1515.700	44.36	-16.95	54.0	9.64	AV	66.00	300	Horizontal	Pass
2	4254.250	47.10	-4.53	74.0	26.90	Peak	338.00	300	Horizontal	Pass
2**	4254.250	37.74	-4.53	54.0	16.26	AV	338.00	300	Horizontal	Pass
3	5254.750	96.77	-2.89	--	--	Peak	41.00	200	Horizontal	N/A
3**	5254.750	89.54	-2.89	--	--	AV	41.00	200	Horizontal	N/A
4	12270.725	52.73	0.88	74.0	21.27	Peak	310.00	100	Horizontal	Pass
4**	12270.725	43.36	0.88	54.0	10.64	AV	310.00	100	Horizontal	Pass
5	15779.775	57.82	1.12	74.0	16.18	Peak	79.00	300	Horizontal	Pass
5**	15779.775	48.87	1.12	54.0	5.13	AV	79.00	300	Horizontal	Pass
6	15780.037	55.01	1.12	74.0	18.99	Peak	349.00	100	Horizontal	Pass
6**	15780.037	49.93	1.12	54.0	4.07	AV	349.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.000	59.62	-16.98	74.0	14.38	Peak	360.00	300	Vertical	Pass
1**	1577.000	46.95	-16.98	54.0	7.05	AV	360.00	300	Vertical	Pass
2	4126.000	47.35	-5.60	74.0	26.65	Peak	39.00	200	Vertical	Pass
2**	4126.000	37.33	-5.60	54.0	16.67	AV	39.00	200	Vertical	Pass
3	5254.000	101.58	-2.78	--	--	Peak	331.00	150	Vertical	N/A
3**	5254.000	93.72	-2.78	--	--	AV	331.00	150	Vertical	N/A
4	11695.025	53.80	-0.60	74.0	20.20	Peak	14.00	100	Vertical	Pass
4**	11695.025	43.22	-0.60	54.0	10.78	AV	14.00	100	Vertical	Pass
5	15780.563	56.70	1.12	74.0	17.30	Peak	21.00	100	Vertical	Pass
5**	15780.563	50.79	1.12	54.0	3.21	AV	21.00	100	Vertical	Pass
6	15785.813	59.81	1.10	74.0	14.19	Peak	12.00	400	Vertical	Pass
6**	15785.813	49.56	1.10	54.0	4.44	AV	12.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.000	58.45	-17.14	74.0	15.55	Peak	64.00	100	Horizontal	Pass
1**	1490.000	44.83	-17.14	54.0	9.17	AV	64.00	100	Horizontal	Pass
2	4306.500	47.59	-5.21	74.0	26.41	Peak	0.00	300	Horizontal	Pass
2**	4306.500	38.83	-5.21	54.0	15.17	AV	0.00	300	Horizontal	Pass
3	5294.000	94.85	-2.66	--	--	Peak	40.00	150	Horizontal	N/A
3**	5294.000	87.63	-2.66	--	--	AV	40.00	150	Horizontal	N/A
4	12261.463	53.26	0.98	74.0	20.74	Peak	71.00	100	Horizontal	Pass
4**	12261.463	43.57	0.98	54.0	10.43	AV	71.00	100	Horizontal	Pass
5	15896.325	58.33	2.00	74.0	15.67	Peak	89.00	300	Horizontal	Pass
5**	15896.325	46.51	2.00	54.0	7.49	AV	89.00	300	Horizontal	Pass
6	15902.625	55.18	1.98	74.0	18.82	Peak	80.00	N/A	Horizontal	Pass
6**	15902.625	49.36	1.98	54.0	4.64	AV	80.00	N/A	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.400	58.55	-17.06	74.0	15.45	Peak	0.00	100	Vertical	Pass
1**	1568.400	42.91	-17.06	54.0	11.09	AV	0.00	100	Vertical	Pass
2	3992.250	46.99	-5.81	74.0	27.01	Peak	141.00	300	Vertical	Pass
2**	3992.250	37.06	-5.81	54.0	16.94	AV	141.00	300	Vertical	Pass
3	5293.750	99.78	-2.66	--	--	Peak	347.00	100	Vertical	N/A
3**	5293.750	92.84	-2.66	--	--	AV	347.00	100	Vertical	N/A
4	12500.388	52.72	1.44	74.0	21.28	Peak	177.00	150	Vertical	Pass
4**	12500.388	43.16	1.44	54.0	10.84	AV	177.00	150	Vertical	Pass
5	15901.312	57.29	2.00	74.0	16.71	Peak	48.00	200	Vertical	Pass
5**	15901.312	50.94	2.00	54.0	3.06	AV	48.00	200	Vertical	Pass
6	15908.924	57.53	1.87	74.0	16.47	Peak	33.00	400	Vertical	Pass
6**	15908.924	46.33	1.87	54.0	7.67	AV	33.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1516.000	58.37	-16.95	74.0	15.63	Peak	57.00	300	Horizontal	Pass
1**	1516.000	44.89	-16.95	54.0	9.11	AV	57.00	300	Horizontal	Pass
2	4260.500	47.42	-4.43	74.0	26.58	Peak	67.00	200	Horizontal	Pass
2**	4260.500	37.74	-4.43	54.0	16.26	AV	67.00	200	Horizontal	Pass
3	5314.750	94.67	-3.20	--	--	Peak	18.00	200	Horizontal	N/A
3**	5314.750	87.47	-3.20	--	--	AV	18.00	200	Horizontal	N/A
4	12183.326	53.13	0.26	74.0	20.87	Peak	341.00	150	Horizontal	Pass
4**	12183.326	41.84	0.26	54.0	12.16	AV	341.00	150	Horizontal	Pass
5	15959.063	53.22	1.18	74.0	20.78	Peak	325.00	400	Horizontal	Pass
5**	15959.063	49.19	1.18	54.0	4.81	AV	325.00	400	Horizontal	Pass
6	15966.412	56.52	1.19	74.0	17.48	Peak	104.00	100	Horizontal	Pass
6**	15966.412	46.07	1.19	54.0	7.93	AV	104.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.500	57.89	-17.03	74.0	16.11	Peak	360.00	100	Vertical	Pass
1**	1571.500	41.57	-17.03	54.0	12.43	AV	360.00	100	Vertical	Pass
2	4181.750	47.49	-5.21	74.0	26.51	Peak	21.00	200	Vertical	Pass
2**	4181.750	37.72	-5.21	54.0	16.28	AV	21.00	200	Vertical	Pass
3	5324.250	100.34	-2.77	--	--	Peak	335.00	150	Vertical	N/A
3**	5324.250	93.43	-2.77	--	--	AV	335.00	150	Vertical	N/A
4	12449.563	53.08	1.04	74.0	20.92	Peak	332.00	150	Vertical	Pass
4**	12449.563	42.98	1.04	54.0	11.02	AV	332.00	150	Vertical	Pass
5	15957.750	56.14	1.17	74.0	17.86	Peak	36.00	400	Vertical	Pass
5**	15957.750	50.95	1.17	54.0	3.05	AV	36.00	400	Vertical	Pass
6	15966.412	59.14	1.19	74.0	14.86	Peak	36.00	400	Vertical	Pass
6**	15966.412	48.02	1.19	54.0	5.98	AV	36.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.500	58.08	-17.12	74.0	15.92	Peak	76.00	300	Horizontal	Pass
1**	1489.500	46.38	-17.12	54.0	7.62	AV	76.00	300	Horizontal	Pass
2	4224.000	47.62	-5.03	74.0	26.38	Peak	321.00	300	Horizontal	Pass
2**	4224.000	37.67	-5.03	54.0	16.33	AV	321.00	300	Horizontal	Pass
3	5255.000	96.61	-3.06	--	--	Peak	45.00	200	Horizontal	N/A
3**	5255.000	89.70	-3.06	--	--	AV	45.00	200	Horizontal	N/A
4	11801.187	52.38	-0.16	74.0	21.62	Peak	271.00	150	Horizontal	Pass
4**	11801.187	44.38	-0.16	54.0	9.62	AV	271.00	150	Horizontal	Pass
5	15774.525	56.13	1.14	74.0	17.87	Peak	104.00	150	Horizontal	Pass
5**	15774.525	50.48	1.14	54.0	3.52	AV	104.00	150	Horizontal	Pass
6	15777.150	57.49	1.13	74.0	16.51	Peak	72.00	200	Horizontal	Pass
6**	15777.150	47.39	1.13	54.0	6.61	AV	72.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.600	60.56	-17.10	74.0	13.44	Peak	0.00	200	Vertical	Pass
1**	1577.600	45.82	-17.10	54.0	8.18	AV	0.00	200	Vertical	Pass
2	4184.750	47.93	-5.35	74.0	26.07	Peak	41.00	200	Vertical	Pass
2**	4184.750	37.21	-5.35	54.0	16.79	AV	41.00	200	Vertical	Pass
3	5253.250	101.40	-3.02	--	--	Peak	352.00	150	Vertical	N/A
3**	5253.250	93.55	-3.02	--	--	AV	352.00	150	Vertical	N/A
4	12521.050	53.65	1.32	74.0	20.35	Peak	356.00	200	Vertical	Pass
4**	12521.050	43.90	1.32	54.0	10.10	AV	356.00	200	Vertical	Pass
5	15786.599	60.07	1.10	74.0	13.93	Peak	28.00	400	Vertical	Pass
5**	15786.599	49.01	1.10	54.0	4.99	AV	28.00	400	Vertical	Pass
6	15782.662	56.44	1.11	74.0	17.56	Peak	28.00	400	Vertical	Pass
6**	15782.662	50.93	1.11	54.0	3.17	AV	28.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.700	57.86	-17.12	74.0	16.14	Peak	76.00	400	Horizontal	Pass
1**	1489.700	46.43	-17.12	54.0	7.57	AV	76.00	400	Horizontal	Pass
2	4333.750	47.63	-4.95	74.0	26.37	Peak	206.00	200	Horizontal	Pass
2**	4333.750	37.37	-4.95	54.0	16.63	AV	206.00	200	Horizontal	Pass
3	5294.750	95.32	-2.74	--	--	Peak	41.00	150	Horizontal	N/A
3**	5294.750	88.65	-2.74	--	--	AV	41.00	150	Horizontal	N/A
4	12399.688	52.68	1.11	74.0	21.32	Peak	54.00	150	Horizontal	Pass
4**	12399.688	43.30	1.11	54.0	10.70	AV	54.00	150	Horizontal	Pass
5	15896.849	54.67	2.00	74.0	19.33	Peak	345.00	150	Horizontal	Pass
5**	15896.849	48.61	2.00	54.0	5.39	AV	345.00	150	Horizontal	Pass
6	15901.050	56.29	2.01	74.0	17.71	Peak	79.00	200	Horizontal	Pass
6**	15901.050	47.29	2.01	54.0	6.71	AV	79.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.100	60.12	-17.03	74.0	13.88	Peak	360.00	200	Vertical	Pass
1**	1577.100	45.33	-17.03	54.0	8.67	AV	360.00	200	Vertical	Pass
2	4085.500	47.25	-5.58	74.0	26.75	Peak	131.00	200	Vertical	Pass
2**	4085.500	37.79	-5.58	54.0	16.21	AV	131.00	200	Vertical	Pass
3	5293.500	100.16	-2.73	--	--	Peak	338.00	100	Vertical	N/A
3**	5293.500	92.19	-2.73	--	--	AV	338.00	100	Vertical	N/A
4	12493.975	53.43	1.39	74.0	20.57	Peak	139.00	200	Vertical	Pass
4**	12493.975	44.02	1.39	54.0	9.98	AV	139.00	200	Vertical	Pass
5	15902.625	55.68	1.98	74.0	18.32	Peak	28.00	200	Vertical	Pass
5**	15902.625	50.89	1.98	54.0	3.11	AV	28.00	200	Vertical	Pass
6	15906.300	59.92	1.92	74.0	14.08	Peak	19.00	400	Vertical	Pass
6**	15906.300	48.21	1.92	54.0	5.79	AV	19.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	58.21	-17.13	74.0	15.79	Peak	86.00	300	Horizontal	Pass
1**	1489.800	42.57	-17.13	54.0	11.43	AV	86.00	300	Horizontal	Pass
2	4356.250	47.37	-4.80	74.0	26.63	Peak	228.00	400	Horizontal	Pass
2**	4356.250	38.56	-4.80	54.0	15.44	AV	228.00	400	Horizontal	Pass
3	5314.500	94.20	-3.21	--	--	Peak	18.00	100	Horizontal	N/A
3**	5314.500	87.86	-3.21	--	--	AV	18.00	100	Horizontal	N/A
4	7438.000	53.46	0.45	74.0	20.54	Peak	360.00	400	Horizontal	Pass
4**	7438.000	43.85	0.45	54.0	10.15	AV	360.00	400	Horizontal	Pass
5	12190.451	52.99	0.32	74.0	21.01	Peak	234.00	100	Horizontal	Pass
5**	12190.451	42.67	0.32	54.0	11.33	AV	234.00	100	Horizontal	Pass
6	15957.750	55.48	1.17	74.0	18.52	Peak	344.00	200	Horizontal	Pass
6**	15957.750	46.87	1.17	54.0	7.13	AV	344.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.100	58.33	-16.89	74.0	15.67	Peak	3.00	400	Vertical	Pass
1**	1575.100	40.76	-16.89	54.0	13.24	AV	3.00	400	Vertical	Pass
2	4126.250	47.84	-5.61	74.0	26.16	Peak	40.00	200	Vertical	Pass
2**	4126.250	37.31	-5.61	54.0	16.69	AV	40.00	200	Vertical	Pass
3	5321.750	99.75	-2.80	--	--	Peak	347.00	200	Vertical	N/A
3**	5321.750	91.69	-2.80	--	--	AV	347.00	200	Vertical	N/A
4	12459.537	52.81	1.11	74.0	21.19	Peak	207.00	200	Vertical	Pass
4**	12459.537	43.32	1.11	54.0	10.68	AV	207.00	200	Vertical	Pass
5	15960.901	58.50	1.18	74.0	15.50	Peak	24.00	200	Vertical	Pass
5**	15960.901	49.13	1.18	54.0	4.87	AV	24.00	200	Vertical	Pass
6	15959.588	56.71	1.18	74.0	17.29	Peak	34.00	400	Vertical	Pass
6**	15959.588	50.64	1.18	54.0	3.36	AV	34.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.300	57.08	-17.13	74.0	16.92	Peak	302.00	100	Horizontal	Pass
1**	1577.300	41.24	-17.13	54.0	12.76	AV	302.00	100	Horizontal	Pass
2	4188.750	46.91	-5.76	74.0	27.09	Peak	87.00	300	Horizontal	Pass
2**	4188.750	36.44	-5.76	54.0	17.56	AV	87.00	300	Horizontal	Pass
3	5254.750	94.61	-2.89	--	--	Peak	41.00	200	Horizontal	N/A
3**	5254.750	85.58	-2.89	--	--	AV	41.00	200	Horizontal	N/A
4	12317.513	52.29	0.66	74.0	21.71	Peak	66.00	200	Horizontal	Pass
4**	12317.513	43.10	0.66	54.0	10.90	AV	66.00	200	Horizontal	Pass
5	15823.875	55.79	1.33	74.0	18.21	Peak	77.00	400	Horizontal	Pass
5**	15823.875	46.16	1.33	54.0	7.84	AV	77.00	400	Horizontal	Pass
6	15824.137	52.91	1.34	74.0	21.09	Peak	77.00	400	Horizontal	Pass
6**	15824.137	48.94	1.34	54.0	5.06	AV	77.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.500	58.52	-17.15	74.0	15.48	Peak	8.00	100	Vertical	Pass
1**	1577.500	44.80	-17.15	54.0	9.20	AV	8.00	100	Vertical	Pass
2	4218.500	47.36	-5.17	74.0	26.64	Peak	21.00	100	Vertical	Pass
2**	4218.500	37.37	-5.17	54.0	16.63	AV	21.00	100	Vertical	Pass
3	5283.750	99.40	-3.04	--	--	Peak	335.00	150	Vertical	N/A
3**	5283.750	92.28	-3.04	--	--	AV	335.00	150	Vertical	N/A
4	12431.513	52.74	1.06	74.0	21.26	Peak	271.00	100	Vertical	Pass
4**	12431.513	43.37	1.06	54.0	10.63	AV	271.00	100	Vertical	Pass
5	15802.350	57.26	1.07	74.0	16.74	Peak	28.00	300	Vertical	Pass
5**	15802.350	47.71	1.07	54.0	6.29	AV	28.00	300	Vertical	Pass
6	15805.500	54.48	1.11	74.0	19.52	Peak	0.00	400	Vertical	Pass
6**	15805.500	50.12	1.11	54.0	3.88	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.100	57.36	-16.85	74.0	16.64	Peak	62.00	400	Horizontal	Pass
1**	1600.100	45.79	-16.85	54.0	8.21	AV	62.00	400	Horizontal	Pass
2	4309.250	47.65	-4.93	74.0	26.35	Peak	0.00	300	Horizontal	Pass
2**	4309.250	39.15	-4.93	54.0	14.85	AV	0.00	300	Horizontal	Pass
3	5297.250	93.63	-2.70	--	--	Peak	45.00	150	Horizontal	N/A
3**	5297.250	86.14	-2.70	--	--	AV	45.00	150	Horizontal	N/A
4	12436.500	53.44	1.06	74.0	20.56	Peak	307.00	150	Horizontal	Pass
4**	12436.500	42.71	1.06	54.0	11.29	AV	307.00	150	Horizontal	Pass
5	15909.188	56.04	1.87	74.0	17.96	Peak	72.00	300	Horizontal	Pass
5**	15909.188	46.05	1.87	54.0	7.95	AV	72.00	300	Horizontal	Pass
6	15915.750	53.08	1.75	74.0	20.92	Peak	110.00	200	Horizontal	Pass
6**	15915.750	49.15	1.75	54.0	4.85	AV	110.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.400	59.29	-17.18	74.0	14.71	Peak	0.00	200	Vertical	Pass
1**	1577.400	43.96	-17.18	54.0	10.04	AV	0.00	200	Vertical	Pass
2	4186.750	47.49	-5.33	74.0	26.51	Peak	232.00	100	Vertical	Pass
2**	4186.750	37.49	-5.33	54.0	16.51	AV	232.00	100	Vertical	Pass
3	5322.500	98.26	-3.06	--	--	Peak	351.00	100	Vertical	N/A
3**	5322.500	90.24	-3.06	--	--	AV	351.00	100	Vertical	N/A
4	12465.000	52.79	1.16	74.0	21.21	Peak	231.00	200	Vertical	Pass
4**	12465.000	43.68	1.16	54.0	10.32	AV	231.00	200	Vertical	Pass
5	15925.987	56.49	1.58	74.0	17.51	Peak	12.00	200	Vertical	Pass
5**	15925.987	50.96	1.58	54.0	3.04	AV	12.00	200	Vertical	Pass
6	15929.662	59.24	1.51	74.0	14.76	Peak	21.00	300	Vertical	Pass
6**	15929.662	48.57	1.51	54.0	5.43	AV	21.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.000	57.75	-17.14	74.0	16.25	Peak	59.00	400	Horizontal	Pass
1**	1490.000	43.02	-17.14	54.0	10.98	AV	59.00	400	Horizontal	Pass
2	4289.250	47.73	-4.41	74.0	26.27	Peak	360.00	100	Horizontal	Pass
2**	4289.250	37.88	-4.41	54.0	16.12	AV	360.00	100	Horizontal	Pass
3	5253.750	97.13	-2.87	--	--	Peak	34.00	100	Horizontal	N/A
3**	5253.750	89.62	-2.87	--	--	AV	34.00	100	Horizontal	N/A
4	11995.938	52.56	0.38	74.0	21.44	Peak	168.00	200	Horizontal	Pass
4**	11995.938	42.25	0.38	54.0	11.75	AV	168.00	200	Horizontal	Pass
5	15778.725	55.24	1.13	74.0	18.76	Peak	101.00	200	Horizontal	Pass
5**	15778.725	50.22	1.13	54.0	3.78	AV	101.00	200	Horizontal	Pass
6	15786.338	59.49	1.10	74.0	14.51	Peak	77.00	100	Horizontal	Pass
6**	15786.338	48.94	1.10	54.0	5.06	AV	77.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.200	58.50	-17.31	74.0	15.50	Peak	10.00	300	Vertical	Pass
1**	1556.200	44.36	-17.31	54.0	9.64	AV	10.00	300	Vertical	Pass
2	4192.500	49.81	-5.32	74.0	24.19	Peak	40.00	400	Vertical	Pass
2**	4192.500	38.43	-5.32	54.0	15.57	AV	40.00	400	Vertical	Pass
3	5254.250	101.28	-2.88	--	--	Peak	338.00	100	Vertical	N/A
3**	5254.250	94.06	-2.88	--	--	AV	338.00	100	Vertical	N/A
4	11810.213	52.75	-0.26	74.0	21.25	Peak	314.00	100	Vertical	Pass
4**	11810.213	42.65	-0.26	54.0	11.35	AV	314.00	100	Vertical	Pass
5	15776.888	59.36	1.13	74.0	14.64	Peak	34.00	300	Vertical	Pass
5**	15776.888	50.24	1.13	54.0	3.76	AV	34.00	300	Vertical	Pass
6	15777.675	56.16	1.13	74.0	17.84	Peak	4.00	300	Vertical	Pass
6**	15777.675	50.75	1.13	54.0	3.25	AV	4.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	58.07	-17.13	74.0	15.93	Peak	59.00	200	Horizontal	Pass
1**	1489.800	45.38	-17.13	54.0	8.62	AV	59.00	200	Horizontal	Pass
2	4353.500	47.55	-4.72	74.0	26.45	Peak	179.00	200	Horizontal	Pass
2**	4353.500	38.49	-4.72	54.0	15.51	AV	179.00	200	Horizontal	Pass
3	5296.250	95.10	-2.89	--	--	Peak	40.00	100	Horizontal	N/A
3**	5296.250	88.02	-2.89	--	--	AV	40.00	100	Horizontal	N/A
4	12504.901	52.75	1.41	74.0	21.25	Peak	341.00	150	Horizontal	Pass
4**	12504.901	43.28	1.41	54.0	10.72	AV	341.00	150	Horizontal	Pass
5	15901.312	56.20	2.00	74.0	17.80	Peak	79.00	150	Horizontal	Pass
5**	15901.312	49.28	2.00	54.0	4.72	AV	79.00	150	Horizontal	Pass
6	15907.088	57.16	1.90	74.0	16.84	Peak	79.00	200	Horizontal	Pass
6**	15907.088	46.30	1.90	54.0	7.70	AV	79.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.900	58.58	-17.17	74.0	15.42	Peak	0.00	200	Vertical	Pass
1**	1569.900	44.23	-17.17	54.0	9.77	AV	0.00	200	Vertical	Pass
2	4272.500	47.44	-5.34	74.0	26.56	Peak	18.00	300	Vertical	Pass
2**	4272.500	38.15	-5.34	54.0	15.85	AV	18.00	300	Vertical	Pass
3	5293.250	99.66	-2.69	--	--	Peak	335.00	200	Vertical	N/A
3**	5293.250	92.81	-2.69	--	--	AV	335.00	200	Vertical	N/A
4	11791.450	52.45	-0.15	74.0	21.55	Peak	10.00	200	Vertical	Pass
4**	11791.450	42.90	-0.15	54.0	11.10	AV	10.00	200	Vertical	Pass
5	15906.037	58.16	1.92	74.0	15.84	Peak	28.00	300	Vertical	Pass
5**	15906.037	48.82	1.92	54.0	5.18	AV	28.00	300	Vertical	Pass
6	15898.951	56.86	2.02	74.0	17.14	Peak	36.00	150	Vertical	Pass
6**	15898.951	50.97	2.02	54.0	3.03	AV	36.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1516.000	57.66	-16.95	74.0	16.34	Peak	94.00	200	Horizontal	Pass
1**	1516.000	45.22	-16.95	54.0	8.78	AV	94.00	200	Horizontal	Pass
2	4216.000	47.49	-5.34	74.0	26.51	Peak	340.00	200	Horizontal	Pass
2**	4216.000	37.92	-5.34	54.0	16.08	AV	340.00	200	Horizontal	Pass
3	5317.000	94.80	-2.90	--	--	Peak	16.00	100	Horizontal	N/A
3**	5317.000	87.11	-2.90	--	--	AV	16.00	100	Horizontal	N/A
4	12444.338	52.44	1.05	74.0	21.56	Peak	51.00	200	Horizontal	Pass
4**	12444.338	43.54	1.05	54.0	10.46	AV	51.00	200	Horizontal	Pass
5	15956.175	58.11	1.17	74.0	15.89	Peak	350.00	200	Horizontal	Pass
5**	15956.175	45.97	1.17	54.0	8.03	AV	350.00	200	Horizontal	Pass
6	15959.588	53.75	1.18	74.0	20.25	Peak	323.00	200	Horizontal	Pass
6**	15959.588	48.49	1.18	54.0	5.51	AV	323.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1570.900	59.09	-17.22	74.0	14.91	Peak	6.00	400	Vertical	Pass
1**	1570.900	44.49	-17.22	54.0	9.51	AV	6.00	400	Vertical	Pass
2	4209.250	47.46	-5.14	74.0	26.54	Peak	0.00	200	Vertical	Pass
2**	4209.250	38.27	-5.14	54.0	15.73	AV	0.00	200	Vertical	Pass
3	5324.250	99.79	-2.77	--	--	Peak	332.00	150	Vertical	N/A
3**	5324.250	93.17	-2.77	--	--	AV	332.00	150	Vertical	N/A
4	12066.000	53.55	-0.21	74.0	20.45	Peak	288.00	150	Vertical	Pass
4**	12066.000	42.91	-0.21	54.0	11.09	AV	288.00	150	Vertical	Pass
5	15956.175	60.93	1.17	74.0	13.07	Peak	28.00	200	Vertical	Pass
5**	15956.175	48.64	1.17	54.0	5.36	AV	28.00	200	Vertical	Pass
6	15968.513	58.40	1.20	74.0	15.60	Peak	28.00	200	Vertical	Pass
6**	15968.513	50.70	1.20	54.0	3.30	AV	28.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.900	57.61	-17.13	74.0	16.39	Peak	85.00	200	Horizontal	Pass
1**	1489.900	46.29	-17.13	54.0	7.71	AV	85.00	200	Horizontal	Pass
2	4238.500	47.30	-4.98	74.0	26.70	Peak	213.00	300	Horizontal	Pass
2**	4238.500	37.25	-4.98	54.0	16.75	AV	213.00	300	Horizontal	Pass
3	5275.250	94.59	-2.99	--	--	Peak	43.00	150	Horizontal	N/A
3**	5275.250	86.73	-2.99	--	--	AV	43.00	150	Horizontal	N/A
4	12404.200	52.76	1.10	74.0	21.24	Peak	163.00	200	Horizontal	Pass
4**	12404.200	43.51	1.10	54.0	10.49	AV	163.00	200	Horizontal	Pass
5	15825.188	56.23	1.35	74.0	17.77	Peak	77.00	200	Horizontal	Pass
5**	15825.188	46.63	1.35	54.0	7.37	AV	77.00	200	Horizontal	Pass
6	15825.450	56.10	1.35	74.0	17.90	Peak	77.00	150	Horizontal	Pass
6**	15825.450	49.04	1.35	54.0	4.96	AV	77.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.600	58.41	-17.01	74.0	15.59	Peak	0.00	100	Vertical	Pass
1**	1573.600	44.22	-17.01	54.0	9.78	AV	0.00	100	Vertical	Pass
2	4126.750	47.54	-5.47	74.0	26.46	Peak	36.00	400	Vertical	Pass
2**	4126.750	37.96	-5.47	54.0	16.04	AV	36.00	400	Vertical	Pass
3	5283.000	99.20	-2.98	--	--	Peak	335.00	100	Vertical	N/A
3**	5283.000	91.86	-2.98	--	--	AV	335.00	100	Vertical	N/A
4	11752.738	52.46	-0.19	74.0	21.54	Peak	293.00	200	Vertical	Pass
4**	11752.738	42.79	-0.19	54.0	11.21	AV	293.00	200	Vertical	Pass
5	15811.800	56.49	1.19	74.0	17.51	Peak	18.00	200	Vertical	Pass
5**	15811.800	47.67	1.19	54.0	6.33	AV	18.00	200	Vertical	Pass
6	15824.925	55.57	1.34	74.0	18.43	Peak	25.00	150	Vertical	Pass
6**	15824.925	50.09	1.34	54.0	3.91	AV	25.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.500	58.40	-17.12	74.0	15.60	Peak	87.00	300	Horizontal	Pass
1**	1489.500	44.03	-17.12	54.0	9.97	AV	87.00	300	Horizontal	Pass
2	4325.250	47.48	-4.82	74.0	26.52	Peak	261.00	100	Horizontal	Pass
2**	4325.250	37.75	-4.82	54.0	16.25	AV	261.00	100	Horizontal	Pass
3	5296.500	94.16	-2.81	--	--	Peak	19.00	200	Horizontal	N/A
3**	5296.500	86.55	-2.81	--	--	AV	19.00	200	Horizontal	N/A
4	12271.674	52.19	0.87	74.0	21.81	Peak	297.00	150	Horizontal	Pass
4**	12271.674	42.52	0.87	54.0	11.48	AV	297.00	150	Horizontal	Pass
5	15926.513	53.76	1.57	74.0	20.24	Peak	87.00	150	Horizontal	Pass
5**	15926.513	49.24	1.57	54.0	4.76	AV	87.00	150	Horizontal	Pass
6	15927.300	56.30	1.55	74.0	17.70	Peak	60.00	400	Horizontal	Pass
6**	15927.300	47.76	1.55	54.0	6.24	AV	60.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.500	60.36	-17.15	74.0	13.64	Peak	0.00	100	Vertical	Pass
1**	1577.500	43.45	-17.15	54.0	10.55	AV	0.00	100	Vertical	Pass
2	4314.250	47.28	-4.88	74.0	26.72	Peak	193.00	100	Vertical	Pass
2**	4314.250	38.36	-4.88	54.0	15.64	AV	193.00	100	Vertical	Pass
3	5323.500	98.78	-2.83	--	--	Peak	337.00	150	Vertical	N/A
3**	5323.500	91.60	-2.83	--	--	AV	337.00	150	Vertical	N/A
4	12417.974	52.95	1.08	74.0	21.05	Peak	237.00	150	Vertical	Pass
4**	12417.974	43.66	1.08	54.0	10.34	AV	237.00	150	Vertical	Pass
5	15911.812	56.00	1.82	74.0	18.00	Peak	21.00	150	Vertical	Pass
5**	15911.812	50.88	1.82	54.0	3.12	AV	21.00	150	Vertical	Pass
6	15927.037	58.17	1.56	74.0	15.83	Peak	31.00	300	Vertical	Pass
6**	15927.037	49.25	1.56	54.0	4.75	AV	31.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.700	57.68	-17.06	74.0	16.32	Peak	182.00	200	Horizontal	Pass
1**	1491.700	43.83	-17.06	54.0	10.17	AV	182.00	200	Horizontal	Pass
2	4321.750	47.49	-5.13	74.0	26.51	Peak	0.00	400	Horizontal	Pass
2**	4321.750	37.83	-5.13	54.0	16.17	AV	0.00	400	Horizontal	Pass
3	5299.750	92.69	-3.05	--	--	Peak	86.00	150	Horizontal	N/A
3**	5299.750	84.61	-3.05	--	--	AV	86.00	150	Horizontal	N/A
4	12453.125	52.53	1.06	74.0	21.47	Peak	132.00	150	Horizontal	Pass
4**	12453.125	42.65	1.06	54.0	11.35	AV	132.00	150	Horizontal	Pass
5	15883.725	55.47	1.90	74.0	18.53	Peak	113.00	150	Horizontal	Pass
5**	15883.725	49.56	1.90	54.0	4.44	AV	113.00	150	Horizontal	Pass
6	15887.925	57.67	1.93	74.0	16.33	Peak	79.00	100	Horizontal	Pass
6**	15887.925	48.72	1.93	54.0	5.28	AV	79.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.600	57.83	-17.15	74.0	16.17	Peak	120.00	300	Vertical	Pass
1**	1551.600	42.29	-17.15	54.0	11.71	AV	120.00	300	Vertical	Pass
2	4382.000	47.24	-5.36	74.0	26.76	Peak	210.00	300	Vertical	Pass
2**	4382.000	37.40	-5.36	54.0	16.60	AV	210.00	300	Vertical	Pass
3	5281.000	98.58	-2.97	--	--	Peak	349.00	100	Vertical	N/A
3**	5281.000	90.34	-2.97	--	--	AV	349.00	100	Vertical	N/A
4	12461.438	52.72	1.13	74.0	21.28	Peak	47.00	200	Vertical	Pass
4**	12461.438	43.69	1.13	54.0	10.31	AV	47.00	200	Vertical	Pass
5	15889.762	60.29	1.95	74.0	13.71	Peak	48.00	300	Vertical	Pass
5**	15889.762	48.99	1.95	54.0	5.01	AV	48.00	300	Vertical	Pass
6	15890.813	57.39	1.96	74.0	16.61	Peak	48.00	300	Vertical	Pass
6**	15890.813	50.80	1.96	54.0	3.20	AV	48.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.100	57.02	-17.17	74.0	16.98	Peak	184.00	300	Horizontal	Pass
1**	1528.100	39.13	-17.17	54.0	14.87	AV	184.00	300	Horizontal	Pass
2	4358.250	46.99	-4.57	74.0	27.01	Peak	358.00	200	Horizontal	Pass
2**	4358.250	38.32	-4.57	54.0	15.68	AV	358.00	200	Horizontal	Pass
3	5494.500	101.06	-2.43	--	--	Peak	62.00	150	Horizontal	N/A
3**	5494.500	93.72	-2.43	--	--	AV	62.00	150	Horizontal	N/A
4	11001.763	55.72	-1.44	74.0	18.28	Peak	64.00	100	Horizontal	Pass
4**	11001.763	46.98	-1.44	54.0	7.02	AV	64.00	100	Horizontal	Pass
5	11002.000	52.24	-1.45	74.0	21.76	Peak	72.00	200	Horizontal	Pass
5**	11002.000	48.85	-1.45	54.0	5.15	AV	72.00	200	Horizontal	Pass
6	16497.713	62.11	0.92	68.2	6.09	Peak	339.00	200	Horizontal	Pass
6**	16497.713	54.39	0.92	--	--	AV	339.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.400	57.09	-17.16	74.0	16.91	Peak	128.00	300	Vertical	Pass
1**	1491.400	43.26	-17.16	54.0	10.74	AV	128.00	300	Vertical	Pass
2	4185.250	47.18	-5.31	74.0	26.82	Peak	186.00	300	Vertical	Pass
2**	4185.250	38.07	-5.31	54.0	15.93	AV	186.00	300	Vertical	Pass
3	5494.500	109.04	-2.43	--	--	Peak	92.00	200	Vertical	N/A
3**	5494.500	101.80	-2.43	--	--	AV	92.00	200	Vertical	N/A
4	10999.862	55.05	-1.40	74.0	18.95	Peak	64.00	200	Vertical	Pass
4**	10999.862	49.01	-1.40	54.0	4.99	AV	64.00	200	Vertical	Pass
5	11002.237	55.48	-1.45	74.0	18.52	Peak	105.00	150	Vertical	Pass
5**	11002.237	46.00	-1.45	54.0	8.00	AV	105.00	200	Vertical	Pass
6	16491.150	63.07	1.14	68.2	5.13	Peak	21.00	200	Vertical	Pass
6**	16491.150	52.57	1.14	--	--	AV	21.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	56.01	-17.18	74.0	17.99	Peak	155.00	300	Horizontal	Pass
1**	1490.900	42.12	-17.18	54.0	11.88	AV	155.00	300	Horizontal	Pass
2	4256.000	47.98	-4.07	74.0	26.02	Peak	291.00	400	Horizontal	Pass
2**	4256.000	38.20	-4.07	54.0	15.80	AV	291.00	400	Horizontal	Pass
3	5574.250	99.68	-2.38	--	--	Peak	72.00	150	Horizontal	N/A
3**	5574.250	91.93	-2.38	--	--	AV	72.00	150	Horizontal	N/A
4	11154.000	55.59	-1.58	74.0	18.41	Peak	86.00	200	Horizontal	Pass
4**	11154.000	50.81	-1.58	54.0	3.19	AV	86.00	200	Horizontal	Pass
5	11159.937	58.30	-1.77	74.0	15.70	Peak	69.00	200	Horizontal	Pass
5**	11159.937	50.31	-1.77	54.0	3.69	AV	69.00	200	Horizontal	Pass
6	16735.012	64.34	2.06	68.2	3.86	Peak	77.00	200	Horizontal	Pass
6**	16735.012	56.17	2.06	--	--	AV	77.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.700	57.87	-17.30	74.0	16.13	Peak	119.00	200	Vertical	Pass
1**	1552.700	41.87	-17.30	54.0	12.13	AV	119.00	200	Vertical	Pass
2	4117.500	46.98	-5.69	74.0	27.02	Peak	240.00	300	Vertical	Pass
2**	4117.500	37.33	-5.69	54.0	16.67	AV	240.00	300	Vertical	Pass
3	5577.250	109.62	-1.99	--	--	Peak	94.00	200	Vertical	N/A
3**	5577.250	101.91	-1.99	--	--	AV	94.00	200	Vertical	N/A
4	11159.700	55.59	-1.76	74.0	18.41	Peak	64.00	300	Vertical	Pass
4**	11159.700	46.23	-1.76	54.0	7.77	AV	64.00	300	Vertical	Pass
5	11159.937	54.40	-1.77	74.0	19.60	Peak	64.00	200	Vertical	Pass
5**	11159.937	50.86	-1.77	54.0	3.14	AV	64.00	200	Vertical	Pass
6	16736.062	64.63	2.03	68.2	3.57	Peak	50.00	150	Vertical	Pass
6**	16736.062	57.86	2.03	--	--	AV	50.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.100	58.85	-17.29	74.0	15.15	Peak	183.00	200	Horizontal	Pass
1**	1491.100	44.03	-17.29	54.0	9.97	AV	183.00	200	Horizontal	Pass
2	4237.750	47.71	-5.03	74.0	26.29	Peak	244.00	100	Horizontal	Pass
2**	4237.750	37.07	-5.03	54.0	16.93	AV	244.00	100	Horizontal	Pass
3	5693.500	98.77	-2.34	--	--	Peak	62.00	150	Horizontal	N/A
3**	5693.500	91.59	-2.34	--	--	AV	62.00	150	Horizontal	N/A
4	11400.762	56.13	-1.73	74.0	17.87	Peak	76.00	100	Horizontal	Pass
4**	11400.762	47.79	-1.73	54.0	6.21	AV	76.00	100	Horizontal	Pass
5	11401.713	53.82	-1.72	74.0	20.18	Peak	54.00	150	Horizontal	Pass
5**	11401.713	50.09	-1.72	54.0	3.91	AV	54.00	150	Horizontal	Pass
6	17093.850	60.44	2.64	68.2	7.76	Peak	118.00	100	Horizontal	Pass
6**	17093.850	53.24	2.64	--	--	AV	118.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	56.49	-17.18	74.0	17.51	Peak	121.00	400	Vertical	Pass
1**	1490.900	41.56	-17.18	54.0	12.44	AV	121.00	400	Vertical	Pass
2	3818.000	47.65	-6.24	74.0	26.35	Peak	113.00	300	Vertical	Pass
2**	3818.000	36.34	-6.24	54.0	17.66	AV	113.00	300	Vertical	Pass
3	5705.250	107.81	-2.29	--	--	Peak	113.00	150	Vertical	N/A
3**	5705.250	100.29	-2.29	--	--	AV	113.00	150	Vertical	N/A
4	11402.188	56.91	-1.72	74.0	17.09	Peak	84.00	200	Vertical	Pass
4**	11402.188	48.84	-1.72	54.0	5.16	AV	84.00	200	Vertical	Pass
5	11402.424	54.18	-1.72	74.0	19.82	Peak	84.00	150	Vertical	Pass
5**	11402.424	50.06	-1.72	54.0	3.94	AV	84.00	150	Vertical	Pass
6	17097.000	65.16	2.73	68.2	3.24	Peak	47.00	100	Vertical	Pass
6**	17097.000	56.93	2.73	--	--	AV	47.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.100	57.39	-17.29	74.0	16.61	Peak	154.00	300	Horizontal	Pass
1**	1491.100	44.52	-17.29	54.0	9.48	AV	154.00	300	Horizontal	Pass
2	4382.250	46.75	-5.24	74.0	27.25	Peak	36.00	300	Horizontal	Pass
2**	4382.250	37.17	-5.24	54.0	16.83	AV	36.00	300	Horizontal	Pass
3	5493.500	101.40	-2.24	--	--	Peak	79.00	100	Horizontal	N/A
3**	5493.500	93.55	-2.24	--	--	AV	79.00	100	Horizontal	N/A
4	11002.237	56.49	-1.45	74.0	17.51	Peak	66.00	100	Horizontal	Pass
4**	11002.237	46.29	-1.45	54.0	7.71	AV	66.00	100	Horizontal	Pass
5	11002.474	53.63	-1.46	74.0	20.37	Peak	66.00	200	Horizontal	Pass
5**	11002.474	48.80	-1.46	54.0	5.20	AV	66.00	200	Horizontal	Pass
6	16502.176	61.61	0.84	68.2	6.59	Peak	118.00	200	Horizontal	Pass
6**	16502.176	53.86	0.84	--	--	AV	118.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.100	57.88	-17.29	74.0	16.12	Peak	126.00	100	Vertical	Pass
1**	1491.100	45.59	-17.29	54.0	8.41	AV	126.00	100	Vertical	Pass
2	4387.500	47.48	-5.51	74.0	26.52	Peak	138.00	100	Vertical	Pass
2**	4387.500	36.92	-5.51	54.0	17.08	AV	138.00	100	Vertical	Pass
3	5495.000	109.00	-2.38	--	--	Peak	91.00	100	Vertical	N/A
3**	5495.000	101.60	-2.38	--	--	AV	91.00	100	Vertical	N/A
4	11001.050	54.70	-1.42	74.0	19.30	Peak	67.00	200	Vertical	Pass
4**	11001.050	48.58	-1.42	54.0	5.42	AV	67.00	200	Vertical	Pass
5	11002.713	55.30	-1.47	74.0	18.70	Peak	67.00	200	Vertical	Pass
5**	11002.713	46.88	-1.47	54.0	7.12	AV	67.00	200	Vertical	Pass
6	16494.037	62.97	1.05	68.2	5.23	Peak	21.00	100	Vertical	Pass
6**	16494.037	54.96	1.05	--	--	AV	21.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.300	55.68	-17.22	74.0	18.32	Peak	176.00	200	Horizontal	Pass
1**	1491.300	41.02	-17.22	54.0	12.98	AV	176.00	200	Horizontal	Pass
2	4118.250	47.14	-5.47	74.0	26.86	Peak	341.00	100	Horizontal	Pass
2**	4118.250	37.53	-5.47	54.0	16.47	AV	341.00	100	Horizontal	Pass
3	5574.000	99.35	-2.50	--	--	Peak	157.00	200	Horizontal	N/A
3**	5574.000	92.75	-2.50	--	--	AV	157.00	200	Horizontal	N/A
4	11158.275	53.82	-1.72	74.0	20.18	Peak	69.00	100	Horizontal	Pass
4**	11158.275	50.96	-1.72	54.0	3.04	AV	69.00	100	Horizontal	Pass
5	11162.075	57.92	-1.83	74.0	16.08	Peak	69.00	200	Horizontal	Pass
5**	11162.075	47.32	-1.83	54.0	6.68	AV	69.00	200	Horizontal	Pass
6	16737.901	65.12	1.98	68.2	3.08	Peak	77.00	100	Horizontal	Pass
6**	16737.901	56.21	1.98	--	--	AV	77.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.000	58.62	-17.26	74.0	15.38	Peak	122.00	400	Vertical	Pass
1**	1562.000	44.17	-17.26	54.0	9.83	AV	122.00	400	Vertical	Pass
2	4137.000	47.05	-5.47	74.0	26.95	Peak	111.00	300	Vertical	Pass
2**	4137.000	36.85	-5.47	54.0	17.15	AV	111.00	300	Vertical	Pass
3	5585.500	109.70	-1.98	--	--	Peak	87.00	200	Vertical	N/A
3**	5585.500	101.82	-1.98	--	--	AV	87.00	200	Vertical	N/A
4	11161.362	56.55	-1.81	74.0	17.45	Peak	67.00	200	Vertical	Pass
4**	11161.362	47.82	-1.81	54.0	6.18	AV	67.00	200	Vertical	Pass
5	11161.600	53.17	-1.82	74.0	20.83	Peak	28.00	300	Vertical	Pass
5**	11161.600	49.54	-1.82	54.0	4.46	AV	28.00	300	Vertical	Pass
6	16727.136	64.97	2.28	68.2	3.23	Peak	28.00	200	Vertical	Pass
6**	16727.136	56.66	2.28	--	--	AV	28.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.000	57.08	-16.96	74.0	16.92	Peak	188.00	300	Horizontal	Pass
1**	1489.000	40.41	-16.96	54.0	13.59	AV	188.00	300	Horizontal	Pass
2	4037.500	47.65	-5.94	74.0	26.35	Peak	218.00	100	Horizontal	Pass
2**	4037.500	36.72	-5.94	54.0	17.28	AV	218.00	100	Horizontal	Pass
3	5694.250	98.23	-2.17	--	--	Peak	62.00	100	Horizontal	N/A
3**	5694.250	91.18	-2.17	--	--	AV	62.00	100	Horizontal	N/A
4	11397.437	56.54	-1.77	74.0	17.46	Peak	76.00	150	Horizontal	Pass
4**	11397.437	46.90	-1.77	54.0	7.10	AV	76.00	150	Horizontal	Pass
5	11400.050	54.63	-1.73	74.0	19.37	Peak	52.00	100	Horizontal	Pass
5**	11400.050	49.96	-1.73	54.0	4.04	AV	52.00	100	Horizontal	Pass
6	17087.813	61.14	2.47	68.2	7.06	Peak	118.00	150	Horizontal	Pass
6**	17087.813	49.49	2.47	--	--	AV	118.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.800	57.49	-17.13	74.0	16.51	Peak	123.00	300	Vertical	Pass
1**	1490.800	45.72	-17.13	54.0	8.28	AV	123.00	300	Vertical	Pass
2	4130.000	47.36	-5.54	74.0	26.64	Peak	140.00	400	Vertical	Pass
2**	4130.000	37.27	-5.54	54.0	16.73	AV	140.00	400	Vertical	Pass
3	5694.500	107.61	-2.24	--	--	Peak	114.00	150	Vertical	N/A
3**	5694.500	101.29	-2.24	--	--	AV	114.00	150	Vertical	N/A
4	11392.687	56.52	-1.83	74.0	17.48	Peak	84.00	200	Vertical	Pass
4**	11392.687	45.73	-1.83	54.0	8.27	AV	84.00	200	Vertical	Pass
5	11397.913	54.48	-1.76	74.0	19.52	Peak	67.00	150	Vertical	Pass
5**	11397.913	50.07	-1.76	54.0	3.93	AV	67.00	150	Vertical	Pass
6	17101.199	65.16	2.83	68.2	3.04	Peak	52.00	200	Vertical	Pass
6**	17101.199	55.70	2.83	--	--	AV	52.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.400	57.24	-17.10	74.0	16.76	Peak	190.00	300	Horizontal	Pass
1**	1489.400	41.09	-17.10	54.0	12.91	AV	190.00	300	Horizontal	Pass
2	4363.000	46.67	-4.96	74.0	27.33	Peak	290.00	200	Horizontal	Pass
2**	4363.000	37.43	-4.96	54.0	16.57	AV	290.00	200	Horizontal	Pass
3	5496.750	96.41	-2.47	--	--	Peak	84.00	200	Horizontal	N/A
3**	5496.750	88.85	-2.47	--	--	AV	84.00	200	Horizontal	N/A
4	7686.750	54.12	1.11	74.0	19.88	Peak	268.00	200	Horizontal	Pass
4**	7686.750	44.57	1.11	54.0	9.43	AV	268.00	200	Horizontal	Pass
5	11019.575	52.59	-1.93	74.0	21.41	Peak	62.00	100	Horizontal	Pass
5**	11019.575	45.15	-1.93	54.0	8.85	AV	62.00	100	Horizontal	Pass
6	16525.275	59.67	0.73	68.2	8.53	Peak	91.00	100	Horizontal	Pass
6**	16525.275	50.65	0.73	--	--	AV	91.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.300	57.14	-17.22	74.0	16.86	Peak	125.00	100	Vertical	Pass
1**	1491.300	43.80	-17.22	54.0	10.20	AV	125.00	100	Vertical	Pass
2	4207.500	47.63	-4.98	74.0	26.37	Peak	186.00	400	Vertical	Pass
2**	4207.500	37.50	-4.98	54.0	16.50	AV	186.00	400	Vertical	Pass
3	5495.000	106.14	-2.38	--	--	Peak	115.00	100	Vertical	N/A
3**	5495.000	99.19	-2.38	--	--	AV	115.00	100	Vertical	N/A
4	7711.500	54.07	1.98	74.0	19.93	Peak	186.00	300	Vertical	Pass
4**	7711.500	44.60	1.98	54.0	9.40	AV	186.00	300	Vertical	Pass
5	11007.462	52.46	-1.60	74.0	21.54	Peak	30.00	100	Vertical	Pass
5**	11007.462	43.26	-1.60	54.0	10.74	AV	30.00	100	Vertical	Pass
6	16523.437	60.26	0.74	68.2	7.94	Peak	21.00	300	Vertical	Pass
6**	16523.437	53.05	0.74	--	--	AV	21.00	300	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	55.90	-17.13	74.0	18.10	Peak	184.00	200	Horizontal	Pass
1**	1489.800	41.89	-17.13	54.0	12.11	AV	184.00	200	Horizontal	Pass
2	4283.250	47.50	-4.57	74.0	26.50	Peak	203.00	100	Horizontal	Pass
2**	4283.250	37.57	-4.57	54.0	16.43	AV	203.00	100	Horizontal	Pass
3	5577.000	96.90	-1.99	--	--	Peak	75.00	100	Horizontal	N/A
3**	5577.000	89.82	-1.99	--	--	AV	75.00	100	Horizontal	N/A
4	11180.125	52.59	-2.40	74.0	21.41	Peak	71.00	100	Horizontal	Pass
4**	11180.125	47.88	-2.40	54.0	6.12	AV	71.00	100	Horizontal	Pass
5	11185.112	54.39	-2.55	74.0	19.61	Peak	71.00	100	Horizontal	Pass
5**	11185.112	45.79	-2.55	54.0	8.21	AV	71.00	100	Horizontal	Pass
6	16764.937	63.12	1.59	68.2	5.08	Peak	77.00	100	Horizontal	Pass
6**	16764.937	54.47	1.59	--	--	AV	77.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1554.900	57.21	-17.29	74.0	16.79	Peak	127.00	400	Vertical	Pass
1**	1554.900	42.84	-17.29	54.0	11.16	AV	127.00	400	Vertical	Pass
2	4189.750	47.36	-5.67	74.0	26.64	Peak	155.00	100	Vertical	Pass
2**	4189.750	37.35	-5.67	54.0	16.65	AV	155.00	100	Vertical	Pass
3	5577.000	107.70	-1.99	--	--	Peak	111.00	150	Vertical	N/A
3**	5577.000	100.76	-1.99	--	--	AV	111.00	150	Vertical	N/A
4	11180.363	52.10	-2.40	74.0	21.90	Peak	71.00	150	Vertical	Pass
4**	11180.363	46.59	-2.40	54.0	7.41	AV	71.00	150	Vertical	Pass
5	11185.112	53.52	-2.55	74.0	20.48	Peak	47.00	150	Vertical	Pass
5**	11185.112	45.26	-2.55	54.0	8.74	AV	47.00	150	Vertical	Pass
6	16751.287	65.16	1.64	68.2	3.04	Peak	50.00	150	Vertical	Pass
6**	16751.287	53.22	1.64	--	--	AV	50.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1554.600	56.33	-17.44	74.0	17.67	Peak	122.00	200	Horizontal	Pass
1**	1554.600	37.93	-17.44	54.0	16.07	AV	122.00	200	Horizontal	Pass
2	4336.750	47.23	-4.63	74.0	26.77	Peak	300.00	200	Horizontal	Pass
2**	4336.750	38.30	-4.63	54.0	15.70	AV	300.00	200	Horizontal	Pass
3	5683.750	97.18	-2.34	--	--	Peak	65.00	150	Horizontal	N/A
3**	5683.750	88.57	-2.34	--	--	AV	65.00	150	Horizontal	N/A
4	11338.537	55.62	-2.37	74.0	18.38	Peak	72.00	200	Horizontal	Pass
4**	11338.537	47.19	-2.37	54.0	6.81	AV	72.00	200	Horizontal	Pass
5	11339.963	55.42	-2.38	74.0	18.58	Peak	72.00	150	Horizontal	Pass
5**	11339.963	50.35	-2.38	54.0	3.65	AV	72.00	150	Horizontal	Pass
6	16999.349	63.76	1.98	68.2	4.44	Peak	327.00	200	Horizontal	Pass
6**	16999.349	52.98	1.98	--	--	AV	327.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1553.700	57.85	-17.60	74.0	16.15	Peak	123.00	400	Vertical	Pass
1**	1553.700	38.93	-17.60	54.0	15.07	AV	123.00	400	Vertical	Pass
2	4313.500	47.80	-5.32	74.0	26.20	Peak	244.00	100	Vertical	Pass
2**	4313.500	37.62	-5.32	54.0	16.38	AV	244.00	100	Vertical	Pass
3	5655.500	106.91	-2.15	--	--	Peak	108.00	150	Vertical	N/A
3**	5655.500	101.08	-2.15	--	--	AV	108.00	150	Vertical	N/A
4	11319.537	54.78	-2.33	74.0	19.22	Peak	86.00	200	Vertical	Pass
4**	11319.537	46.13	-2.33	54.0	7.87	AV	86.00	200	Vertical	Pass
5	11340.675	54.57	-2.38	74.0	19.43	Peak	86.00	150	Vertical	Pass
5**	11340.675	48.97	-2.38	54.0	5.03	AV	86.00	150	Vertical	Pass
6	16994.887	65.15	2.11	68.2	3.05	Peak	55.00	200	Vertical	Pass
6**	16994.887	55.92	2.11	--	--	AV	55.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.800	56.75	-17.13	74.0	17.25	Peak	191.00	400	Horizontal	Pass
1**	1490.800	43.29	-17.13	54.0	10.71	AV	191.00	400	Horizontal	Pass
2	4271.500	47.11	-5.31	74.0	26.89	Peak	234.00	100	Horizontal	Pass
2**	4271.500	36.98	-5.31	54.0	17.02	AV	234.00	100	Horizontal	Pass
3	5492.500	98.27	-2.30	--	--	Peak	75.00	100	Horizontal	N/A
3**	5492.500	90.85	-2.30	--	--	AV	75.00	100	Horizontal	N/A
4	10995.588	51.14	-1.57	74.0	22.86	Peak	72.00	100	Horizontal	Pass
4**	10995.588	46.78	-1.57	54.0	7.22	AV	72.00	100	Horizontal	Pass
5	10996.775	53.59	-1.52	74.0	20.41	Peak	66.00	100	Horizontal	Pass
5**	10996.775	44.84	-1.52	54.0	9.16	AV	66.00	100	Horizontal	Pass
6	16492.724	60.12	1.09	68.2	8.08	Peak	89.00	100	Horizontal	Pass
6**	16492.724	51.05	1.09	--	--	AV	89.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.700	57.92	-17.17	74.0	16.08	Peak	123.00	200	Vertical	Pass
1**	1559.700	42.08	-17.17	54.0	11.92	AV	123.00	200	Vertical	Pass
2	4256.250	47.62	-4.17	74.0	26.38	Peak	135.00	100	Vertical	Pass
2**	4256.250	37.50	-4.17	54.0	16.50	AV	135.00	100	Vertical	Pass
3	5493.000	107.99	-2.29	--	--	Peak	96.00	200	Vertical	N/A
3**	5493.000	100.98	-2.29	--	--	AV	96.00	200	Vertical	N/A
4	11001.050	52.13	-1.42	74.0	21.87	Peak	44.00	100	Vertical	Pass
4**	11001.050	46.29	-1.42	54.0	7.71	AV	44.00	100	Vertical	Pass
5	11002.713	53.22	-1.47	74.0	20.78	Peak	60.00	100	Vertical	Pass
5**	11002.713	44.66	-1.47	54.0	9.34	AV	60.00	100	Vertical	Pass
6	16506.113	61.72	0.82	68.2	6.48	Peak	21.00	100	Vertical	Pass
6**	16506.113	51.26	0.82	--	--	AV	21.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	57.64	-17.18	74.0	16.36	Peak	167.00	200	Horizontal	Pass
1**	1490.900	46.08	-17.18	54.0	7.92	AV	167.00	200	Horizontal	Pass
2	4281.000	47.04	-4.59	74.0	26.96	Peak	55.00	100	Horizontal	Pass
2**	4281.000	37.18	-4.59	54.0	16.82	AV	55.00	100	Horizontal	Pass
3	5574.250	99.57	-2.38	--	--	Peak	154.00	150	Horizontal	N/A
3**	5574.250	91.99	-2.38	--	--	AV	154.00	150	Horizontal	N/A
4	11149.013	57.06	-1.47	74.0	16.94	Peak	71.00	150	Horizontal	Pass
4**	11149.013	45.25	-1.47	54.0	8.75	AV	71.00	150	Horizontal	Pass
5	11162.550	52.80	-1.85	74.0	21.20	Peak	86.00	100	Horizontal	Pass
5**	11162.550	49.58	-1.85	54.0	4.42	AV	86.00	100	Horizontal	Pass
6	16733.699	63.99	2.10	68.2	4.21	Peak	77.00	100	Horizontal	Pass
6**	16733.699	54.25	2.10	--	--	AV	77.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.100	57.27	-17.17	74.0	16.73	Peak	120.00	100	Vertical	Pass
1**	1551.100	39.35	-17.17	54.0	14.65	AV	120.00	100	Vertical	Pass
2	4314.500	46.99	-5.02	74.0	27.01	Peak	60.00	100	Vertical	Pass
2**	4314.500	38.01	-5.02	54.0	15.99	AV	60.00	100	Vertical	Pass
3	5576.000	108.44	-2.07	--	--	Peak	103.00	100	Vertical	N/A
3**	5576.000	101.77	-2.07	--	--	AV	103.00	100	Vertical	N/A
4	11154.713	51.14	-1.60	74.0	22.86	Peak	67.00	100	Vertical	Pass
4**	11154.713	46.82	-1.60	54.0	7.18	AV	67.00	100	Vertical	Pass
5	11158.513	54.02	-1.72	74.0	19.98	Peak	67.00	100	Vertical	Pass
5**	11158.513	44.62	-1.72	54.0	9.38	AV	67.00	100	Vertical	Pass
6	16749.187	63.82	1.67	68.2	4.38	Peak	58.00	100	Vertical	Pass
6**	16749.187	53.36	1.67	--	--	AV	58.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.000	56.70	-17.09	74.0	17.30	Peak	179.00	400	Horizontal	Pass
1**	1517.000	42.24	-17.09	54.0	11.76	AV	179.00	400	Horizontal	Pass
2	4130.250	47.82	-5.58	74.0	26.18	Peak	108.00	200	Horizontal	Pass
2**	4130.250	37.06	-5.58	54.0	16.94	AV	108.00	200	Horizontal	Pass
3	5695.000	98.53	-2.19	--	--	Peak	64.00	150	Horizontal	N/A
3**	5695.000	90.92	-2.19	--	--	AV	64.00	150	Horizontal	N/A
4	11398.625	54.36	-1.75	74.0	19.64	Peak	67.00	100	Horizontal	Pass
4**	11398.625	50.31	-1.75	54.0	3.69	AV	67.00	100	Horizontal	Pass
5	11410.737	57.35	-1.67	74.0	16.65	Peak	76.00	100	Horizontal	Pass
5**	11410.737	45.71	-1.67	54.0	8.29	AV	76.00	100	Horizontal	Pass
6	17098.838	63.12	2.78	68.2	5.08	Peak	69.00	100	Horizontal	Pass
6**	17098.838	51.87	2.78	--	--	AV	69.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.600	57.73	-17.38	74.0	16.27	Peak	128.00	200	Vertical	Pass
1**	1555.600	41.60	-17.38	54.0	12.40	AV	128.00	200	Vertical	Pass
2	4328.750	47.37	-5.04	74.0	26.63	Peak	113.00	400	Vertical	Pass
2**	4328.750	37.12	-5.04	54.0	16.88	AV	113.00	400	Vertical	Pass
3	5706.250	108.23	-2.49	--	--	Peak	113.00	200	Vertical	N/A
3**	5706.250	99.79	-2.49	--	--	AV	113.00	200	Vertical	N/A
4	11397.913	59.43	-1.76	74.0	14.57	Peak	74.00	100	Vertical	Pass
4**	11397.913	46.25	-1.76	54.0	7.75	AV	74.00	100	Vertical	Pass
5	11398.150	54.70	-1.76	74.0	19.30	Peak	74.00	200	Vertical	Pass
5**	11398.150	49.39	-1.76	54.0	4.61	AV	74.00	200	Vertical	Pass
6	17086.500	64.82	2.43	68.2	3.38	Peak	57.00	100	Vertical	Pass
6**	17086.500	53.08	2.43	--	--	AV	57.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.200	55.89	-17.28	74.0	18.11	Peak	186.00	200	Horizontal	Pass
1**	1491.200	43.09	-17.28	54.0	10.91	AV	186.00	200	Horizontal	Pass
2	4274.750	47.42	-5.07	74.0	26.58	Peak	270.00	100	Horizontal	Pass
2**	4274.750	38.32	-5.07	54.0	15.68	AV	270.00	100	Horizontal	Pass
3	5522.750	95.57	-2.67	--	--	Peak	156.00	100	Horizontal	N/A
3**	5522.750	87.92	-2.67	--	--	AV	156.00	100	Horizontal	N/A
4	7709.250	53.51	1.90	74.0	20.49	Peak	225.00	300	Horizontal	Pass
4**	7709.250	45.05	1.90	54.0	8.95	AV	225.00	300	Horizontal	Pass
5	12278.563	52.40	0.79	74.0	21.60	Peak	344.00	200	Horizontal	Pass
5**	12278.563	42.41	0.79	54.0	11.59	AV	344.00	200	Horizontal	Pass
6	16521.600	58.11	0.75	68.2	10.09	Peak	118.00	150	Horizontal	Pass
6**	16521.600	49.43	0.75	--	--	AV	118.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.400	57.64	-16.75	74.0	16.36	Peak	123.00	100	Vertical	Pass
1**	1531.400	40.04	-16.75	54.0	13.96	AV	123.00	100	Vertical	Pass
2	4323.250	47.67	-4.71	74.0	26.33	Peak	293.00	300	Vertical	Pass
2**	4323.250	38.83	-4.71	54.0	15.17	AV	293.00	300	Vertical	Pass
3	5493.000	105.19	-2.29	--	--	Peak	114.00	200	Vertical	N/A
3**	5493.000	96.74	-2.29	--	--	AV	114.00	200	Vertical	N/A
4	7427.500	54.25	1.29	74.0	19.75	Peak	55.00	100	Vertical	Pass
4**	7427.500	44.09	1.29	54.0	9.91	AV	55.00	100	Vertical	Pass
5	12452.888	52.21	1.06	74.0	21.79	Peak	322.00	150	Vertical	Pass
5**	12452.888	43.07	1.06	54.0	10.93	AV	322.00	150	Vertical	Pass
6	16534.462	58.73	0.68	68.2	9.47	Peak	23.00	150	Vertical	Pass
6**	16534.462	50.93	0.68	--	--	AV	23.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.400	56.65	-17.16	74.0	17.35	Peak	175.00	100	Horizontal	Pass
1**	1491.400	42.03	-17.16	54.0	11.97	AV	175.00	100	Horizontal	Pass
2	4084.500	48.02	-5.43	74.0	25.98	Peak	208.00	400	Horizontal	Pass
2**	4084.500	37.29	-5.43	54.0	16.71	AV	208.00	400	Horizontal	Pass
3	5578.000	96.34	-2.09	--	--	Peak	160.00	150	Horizontal	N/A
3**	5578.000	89.23	-2.09	--	--	AV	160.00	150	Horizontal	N/A
4	7704.750	53.37	2.00	74.0	20.63	Peak	303.00	400	Horizontal	Pass
4**	7704.750	45.33	2.00	54.0	8.67	AV	303.00	400	Horizontal	Pass
5	11185.825	53.21	-2.58	74.0	20.79	Peak	66.00	100	Horizontal	Pass
5**	11185.825	43.45	-2.58	54.0	10.55	AV	66.00	100	Horizontal	Pass
6	16757.324	61.30	1.62	68.2	6.90	Peak	75.00	150	Horizontal	Pass
6**	16757.324	52.07	1.62	--	--	AV	75.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.000	59.46	-16.84	74.0	14.54	Peak	123.00	100	Vertical	Pass
1**	1579.000	48.06	-16.84	54.0	5.94	AV	123.00	100	Vertical	Pass
2	4353.000	46.79	-4.55	74.0	27.21	Peak	193.00	100	Vertical	Pass
2**	4353.000	37.66	-4.55	54.0	16.34	AV	193.00	100	Vertical	Pass
3	5591.250	105.52	-2.34	--	--	Peak	94.00	200	Vertical	N/A
3**	5591.250	97.34	-2.34	--	--	AV	94.00	200	Vertical	N/A
4	7689.250	53.24	1.23	74.0	20.76	Peak	285.00	300	Vertical	Pass
4**	7689.250	44.36	1.23	54.0	9.64	AV	285.00	300	Vertical	Pass
5	11158.038	52.72	-1.71	74.0	21.28	Peak	72.00	150	Vertical	Pass
5**	11158.038	42.81	-1.71	54.0	11.19	AV	72.00	150	Vertical	Pass
6	16764.937	60.84	1.59	68.2	7.36	Peak	6.00	150	Vertical	Pass
6**	16764.937	51.78	1.59	--	--	AV	6.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.000	55.18	-17.16	74.0	18.82	Peak	127.00	400	Horizontal	Pass
1**	1536.000	39.36	-17.16	54.0	14.64	AV	127.00	400	Horizontal	Pass
2	4168.000	47.71	-5.33	74.0	26.29	Peak	212.00	300	Horizontal	Pass
2**	4168.000	37.37	-5.33	54.0	16.63	AV	212.00	300	Horizontal	Pass
3	5657.000	95.84	-2.45	--	--	Peak	67.00	200	Horizontal	N/A
3**	5657.000	88.69	-2.45	--	--	AV	67.00	200	Horizontal	N/A
4	11339.725	53.57	-2.38	74.0	20.43	Peak	78.00	150	Horizontal	Pass
4**	11339.725	47.20	-2.38	54.0	6.80	AV	78.00	150	Horizontal	Pass
5	11341.150	52.69	-2.38	74.0	21.31	Peak	69.00	200	Horizontal	Pass
5**	11341.150	48.25	-2.38	54.0	5.75	AV	69.00	200	Horizontal	Pass
6	17007.488	61.77	1.88	68.2	6.43	Peak	121.00	150	Horizontal	Pass
6**	17007.488	50.40	1.88	--	--	AV	121.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.600	59.65	-16.98	74.0	14.35	Peak	97.00	300	Vertical	Pass
1**	1578.600	43.77	-16.98	54.0	10.23	AV	97.00	300	Vertical	Pass
2	4164.000	48.36	-5.48	74.0	25.64	Peak	140.00	200	Vertical	Pass
2**	4164.000	37.43	-5.48	54.0	16.57	AV	140.00	200	Vertical	Pass
3	5655.750	105.73	-2.27	--	--	Peak	116.00	150	Vertical	N/A
3**	5655.750	98.05	-2.27	--	--	AV	116.00	150	Vertical	N/A
4	7487.750	53.71	1.49	74.0	20.29	Peak	262.00	100	Vertical	Pass
4**	7487.750	44.13	1.49	54.0	9.87	AV	262.00	100	Vertical	Pass
5	11339.725	53.61	-2.38	74.0	20.39	Peak	360.00	100	Vertical	Pass
5**	11339.725	45.39	-2.38	54.0	8.61	AV	360.00	100	Vertical	Pass
6	17001.187	64.17	1.95	68.2	4.03	Peak	58.00	200	Vertical	Pass
6**	17001.187	55.73	1.95	--	--	AV	58.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.000	55.12	-17.23	74.0	18.88	Peak	169.00	400	Horizontal	Pass
1**	1491.000	42.49	-17.23	54.0	11.51	AV	169.00	400	Horizontal	Pass
2	4287.750	47.82	-4.60	74.0	26.18	Peak	360.00	100	Horizontal	Pass
2**	4287.750	37.96	-4.60	54.0	16.04	AV	360.00	100	Horizontal	Pass
3	5548.500	94.92	-2.44	--	-26.92	Peak	68.00	150	Horizontal	N/A
3**	5548.500	87.97	-2.44	--	-87.97	AV	68.00	150	Horizontal	N/A
4	7703.500	53.35	1.35	74.0	20.65	Peak	276.00	100	Horizontal	Pass
4**	7703.500	44.77	1.35	54.0	9.23	AV	276.00	100	Horizontal	Pass
5	12334.850	52.73	0.76	74.0	21.27	Peak	56.00	200	Horizontal	Pass
5**	12334.850	42.11	0.76	54.0	11.89	AV	56.00	200	Horizontal	Pass
6	16622.401	58.15	1.89	68.2	10.05	Peak	89.00	200	Horizontal	Pass
6**	16622.401	48.33	1.89	--	--	AV	89.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.300	59.38	-17.11	74.0	14.62	Peak	99.00	200	Vertical	Pass
1**	1571.300	40.56	-17.11	54.0	13.44	AV	99.00	200	Vertical	Pass
2	4263.250	47.05	-4.60	74.0	26.95	Peak	131.00	100	Vertical	Pass
2**	4263.250	38.11	-4.60	54.0	15.89	AV	131.00	100	Vertical	Pass
3	5539.500	104.47	-2.34	--	--	Peak	108.00	100	Vertical	N/A
3**	5539.500	95.95	-2.34	--	--	AV	108.00	100	Vertical	N/A
4	7688.750	53.33	1.01	74.0	20.67	Peak	360.00	200	Vertical	Pass
4**	7688.750	43.22	1.01	54.0	10.78	AV	360.00	200	Vertical	Pass
5	12217.763	53.01	0.65	74.0	20.99	Peak	54.00	100	Vertical	Pass
5**	12217.763	42.86	0.65	54.0	11.14	AV	54.00	100	Vertical	Pass
6	16628.437	57.85	2.01	68.2	10.35	Peak	21.00	200	Vertical	Pass
6**	16628.437	48.21	2.01	--	--	AV	21.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.800	55.40	-16.87	74.0	18.60	Peak	165.00	300	Horizontal	Pass
1**	1601.800	42.05	-16.87	54.0	11.95	AV	165.00	300	Horizontal	Pass
2	4258.500	47.57	-4.26	74.0	26.43	Peak	111.00	200	Horizontal	Pass
2**	4258.500	39.07	-4.26	54.0	14.93	AV	111.00	200	Horizontal	Pass
3	5591.500	95.08	-2.20	--	--	Peak	43.00	100	Horizontal	N/A
3**	5591.500	87.34	-2.20	--	--	AV	43.00	100	Horizontal	N/A
4	11218.600	54.41	-2.13	74.0	19.59	Peak	71.00	150	Horizontal	Pass
4**	11218.600	41.81	-2.13	54.0	12.19	AV	71.00	150	Horizontal	Pass
5	11256.125	51.65	-0.84	74.0	22.35	Peak	71.00	200	Horizontal	Pass
5**	11256.125	46.66	-0.84	54.0	7.34	AV	71.00	200	Horizontal	Pass
6	16844.213	63.10	3.32	68.2	5.10	Peak	79.00	200	Horizontal	Pass
6**	16844.213	51.13	3.32	--	--	AV	79.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.000	58.59	-17.23	74.0	15.41	Peak	111.00	100	Vertical	Pass
1**	1491.000	46.95	-17.23	54.0	7.05	AV	111.00	100	Vertical	Pass
2	4129.500	49.17	-5.59	74.0	24.83	Peak	201.00	200	Vertical	Pass
2**	4129.500	37.13	-5.59	54.0	16.87	AV	201.00	200	Vertical	Pass
3	5636.500	104.69	-2.05	--	--	Peak	114.00	200	Vertical	N/A
3**	5636.500	97.25	-2.05	--	--	AV	114.00	200	Vertical	N/A
4	7695.250	53.68	1.15	74.0	20.32	Peak	245.00	400	Vertical	Pass
4**	7695.250	43.67	1.15	54.0	10.33	AV	245.00	400	Vertical	Pass
5	11255.175	53.00	-0.81	74.0	21.00	Peak	68.00	200	Vertical	Pass
5**	11255.175	44.44	-0.81	54.0	9.56	AV	68.00	200	Vertical	Pass
6	16846.838	63.57	3.43	68.2	4.63	Peak	55.00	200	Vertical	Pass
6**	16846.838	55.92	3.43	--	--	AV	55.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.400	55.42	-17.24	74.0	18.58	Peak	127.00	300	Horizontal	Pass
1**	1543.400	43.52	-17.24	54.0	10.48	AV	127.00	300	Horizontal	Pass
2	3898.250	47.33	-6.36	74.0	26.67	Peak	184.00	300	Horizontal	Pass
2**	3898.250	36.35	-6.36	54.0	17.65	AV	184.00	300	Horizontal	Pass
3	5739.500	97.17	-2.08	--	--	Peak	58.00	200	Horizontal	N/A
3**	5739.500	89.63	-2.08	--	--	AV	58.00	200	Horizontal	N/A
4	11493.151	56.27	-0.71	74.0	17.73	Peak	76.00	150	Horizontal	Pass
4**	11493.151	50.06	-0.71	54.0	3.94	AV	76.00	150	Horizontal	Pass
5	11501.225	57.83	-0.61	74.0	16.17	Peak	76.00	100	Horizontal	Pass
5**	11501.225	45.19	-0.61	54.0	8.81	AV	76.00	100	Horizontal	Pass
6	17224.575	60.52	3.27	68.2	7.68	Peak	113.00	150	Horizontal	Pass
6**	17224.575	49.67	3.27	--	--	AV	113.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.700	59.64	-16.95	74.0	14.36	Peak	99.00	200	Vertical	Pass
1**	1578.700	43.70	-16.95	54.0	10.30	AV	99.00	200	Vertical	Pass
2	4182.000	47.72	-5.32	74.0	26.28	Peak	153.00	400	Vertical	Pass
2**	4182.000	37.58	-5.32	54.0	16.42	AV	153.00	400	Vertical	Pass
3	5752.250	106.68	-2.02	--	--	Peak	94.00	100	Vertical	N/A
3**	5752.250	99.60	-2.02	--	--	AV	94.00	100	Vertical	N/A
4	7689.500	53.91	1.04	74.0	20.09	Peak	215.00	100	Vertical	Pass
4**	7689.500	45.09	1.04	54.0	8.91	AV	215.00	100	Vertical	Pass
5	11489.112	57.87	-0.78	74.0	16.13	Peak	81.00	150	Vertical	Pass
5**	11489.112	50.34	-0.78	54.0	3.66	AV	81.00	150	Vertical	Pass
6	17240.850	63.24	2.74	68.2	4.96	Peak	50.00	150	Vertical	Pass
6**	17240.850	54.66	2.74	--	--	AV	50.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.300	57.55	-17.22	74.0	16.45	Peak	115.00	300	Horizontal	Pass
1**	1491.300	43.41	-17.22	54.0	10.59	AV	115.00	300	Horizontal	Pass
2	4179.500	47.48	-5.21	74.0	26.52	Peak	72.00	200	Horizontal	Pass
2**	4179.500	37.26	-5.21	54.0	16.74	AV	72.00	200	Horizontal	Pass
3	5781.500	96.74	-2.75	--	--	Peak	72.00	150	Horizontal	N/A
3**	5781.500	89.98	-2.75	--	--	AV	72.00	150	Horizontal	N/A
4	11562.500	57.11	-1.08	74.0	16.89	Peak	69.00	100	Horizontal	Pass
4**	11562.500	44.65	-1.08	54.0	9.35	AV	69.00	100	Horizontal	Pass
5	11569.150	56.74	-1.00	74.0	17.26	Peak	69.00	150	Horizontal	Pass
5**	11569.150	49.16	-1.00	54.0	4.84	AV	69.00	150	Horizontal	Pass
6	17341.387	61.36	3.02	68.2	6.84	Peak	116.00	100	Horizontal	Pass
6**	17341.387	51.80	3.02	--	--	AV	116.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.100	58.38	-17.26	74.0	15.62	Peak	117.00	100	Vertical	Pass
1**	1552.100	39.37	-17.26	54.0	14.63	AV	117.00	100	Vertical	Pass
2	4129.750	47.97	-5.54	74.0	26.03	Peak	125.00	100	Vertical	Pass
2**	4129.750	38.55	-5.54	54.0	15.45	AV	125.00	100	Vertical	Pass
3	5789.500	106.78	-2.68	--	--	Peak	102.00	200	Vertical	N/A
3**	5789.500	99.63	-2.68	--	--	AV	102.00	200	Vertical	N/A
4	11562.025	57.69	-1.09	74.0	16.31	Peak	83.00	150	Vertical	Pass
4**	11562.025	46.32	-1.09	54.0	7.68	AV	83.00	150	Vertical	Pass
5	11570.338	54.29	-0.98	74.0	19.71	Peak	68.00	150	Vertical	Pass
5**	11570.338	49.93	-0.98	54.0	4.07	AV	68.00	150	Vertical	Pass
6	17351.100	64.78	3.15	68.2	3.42	Peak	58.00	100	Vertical	Pass
6**	17351.100	53.46	3.15	--	--	AV	58.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.200	55.19	-17.28	74.0	18.81	Peak	184.00	200	Horizontal	Pass
1**	1491.200	43.87	-17.28	54.0	10.13	AV	184.00	200	Horizontal	Pass
2	3877.250	47.59	-6.14	74.0	26.41	Peak	177.00	400	Horizontal	Pass
2**	3877.250	36.48	-6.14	54.0	17.52	AV	177.00	400	Horizontal	Pass
3	5818.250	95.84	-2.23	--	--	Peak	118.00	200	Horizontal	N/A
3**	5818.250	88.38	-2.23	--	--	AV	118.00	200	Horizontal	N/A
4	11645.150	56.04	-1.28	74.0	17.96	Peak	67.00	100	Horizontal	Pass
4**	11645.150	44.65	-1.28	54.0	9.35	AV	67.00	100	Horizontal	Pass
5	11645.388	53.19	-1.28	74.0	20.81	Peak	79.00	150	Horizontal	Pass
5**	11645.388	47.61	-1.28	54.0	6.39	AV	79.00	150	Horizontal	Pass
6	17471.062	63.13	5.18	68.2	5.07	Peak	116.00	150	Horizontal	Pass
6**	17471.062	52.90	5.18	--	--	AV	116.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.100	59.52	-16.80	74.0	14.48	Peak	118.00	400	Vertical	Pass
1**	1579.100	48.06	-16.80	54.0	5.94	AV	118.00	400	Vertical	Pass
2	4342.000	47.04	-4.68	74.0	26.96	Peak	215.00	300	Vertical	Pass
2**	4342.000	37.49	-4.68	54.0	16.51	AV	215.00	300	Vertical	Pass
3	5819.750	106.14	-2.33	--	--	Peak	89.00	150	Vertical	N/A
3**	5819.750	99.38	-2.33	--	--	AV	89.00	150	Vertical	N/A
4	11647.050	53.75	-1.30	74.0	20.25	Peak	45.00	150	Vertical	Pass
4**	11647.050	49.06	-1.30	54.0	4.94	AV	45.00	150	Vertical	Pass
5	11662.012	56.25	-1.15	74.0	17.75	Peak	45.00	150	Vertical	Pass
5**	11662.012	44.10	-1.15	54.0	9.90	AV	45.00	150	Vertical	Pass
6	17469.489	64.94	5.21	68.2	3.26	Peak	45.00	150	Vertical	Pass
6**	17469.489	55.13	5.21	--	--	AV	45.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.200	55.59	-17.11	74.0	18.41	Peak	179.00	200	Horizontal	Pass
1**	1517.200	42.64	-17.11	54.0	11.36	AV	179.00	200	Horizontal	Pass
2	4332.000	47.51	-4.62	74.0	26.49	Peak	272.00	100	Horizontal	Pass
2**	4332.000	38.91	-4.62	54.0	15.09	AV	272.00	100	Horizontal	Pass
3	5738.000	97.02	-2.01	--	--	Peak	58.00	100	Horizontal	N/A
3**	5738.000	89.54	-2.01	--	--	AV	58.00	100	Horizontal	N/A
4	11486.026	56.24	-0.83	74.0	17.76	Peak	73.00	100	Horizontal	Pass
4**	11486.026	46.34	-0.83	54.0	7.66	AV	73.00	100	Horizontal	Pass
5	11490.775	54.57	-0.75	74.0	19.43	Peak	73.00	200	Horizontal	Pass
5**	11490.775	50.09	-0.75	54.0	3.91	AV	73.00	200	Horizontal	Pass
6	17224.575	60.63	3.27	68.2	7.57	Peak	106.00	100	Horizontal	Pass
6**	17224.575	48.78	3.27	--	--	AV	106.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.200	58.27	-17.31	74.0	15.73	Peak	113.00	200	Vertical	Pass
1**	1556.200	44.41	-17.31	54.0	9.59	AV	113.00	200	Vertical	Pass
2	4194.000	47.65	-5.27	74.0	26.35	Peak	193.00	400	Vertical	Pass
2**	4194.000	37.08	-5.27	54.0	16.92	AV	193.00	400	Vertical	Pass
3	5749.500	106.78	-2.29	--	--	Peak	106.00	200	Vertical	N/A
3**	5749.500	98.92	-2.29	--	--	AV	106.00	200	Vertical	N/A
4	11482.225	56.71	-0.89	74.0	17.29	Peak	47.00	400	Vertical	Pass
4**	11482.225	45.85	-0.89	54.0	8.15	AV	47.00	400	Vertical	Pass
5	11493.862	52.99	-0.70	74.0	21.01	Peak	360.00	200	Vertical	Pass
5**	11493.862	49.99	-0.70	54.0	4.01	AV	360.00	200	Vertical	Pass
6	17248.199	64.31	2.50	68.2	3.89	Peak	51.00	400	Vertical	Pass
6**	17248.199	53.45	2.50	--	--	AV	51.00	400	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.300	56.13	-17.11	74.0	17.87	Peak	116.00	200	Horizontal	Pass
1**	1517.300	44.34	-17.11	54.0	9.66	AV	116.00	200	Horizontal	Pass
2	4371.750	47.44	-5.38	74.0	26.56	Peak	360.00	100	Horizontal	Pass
2**	4371.750	37.63	-5.38	54.0	16.37	AV	360.00	100	Horizontal	Pass
3	5791.500	97.43	-2.46	--	--	Peak	91.00	100	Horizontal	N/A
3**	5791.500	90.76	-2.46	--	--	AV	91.00	100	Horizontal	N/A
4	11557.276	55.61	-1.15	74.0	18.39	Peak	74.00	100	Horizontal	Pass
4**	11557.276	44.73	-1.15	54.0	9.27	AV	74.00	100	Horizontal	Pass
5	11568.912	53.20	-1.00	74.0	20.80	Peak	54.00	300	Horizontal	Pass
5**	11568.912	49.35	-1.00	54.0	4.65	AV	54.00	300	Horizontal	Pass
6	17341.387	63.27	3.02	68.2	4.93	Peak	121.00	200	Horizontal	Pass
6**	17341.387	49.56	3.02	--	--	AV	121.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1566.300	58.75	-17.22	74.0	15.25	Peak	113.00	100	Vertical	Pass
1**	1566.300	42.55	-17.22	54.0	11.45	AV	113.00	100	Vertical	Pass
2	4362.750	47.06	-4.87	74.0	26.94	Peak	206.00	400	Vertical	Pass
2**	4362.750	38.55	-4.87	54.0	15.45	AV	206.00	400	Vertical	Pass
3	5792.000	107.01	-2.25	--	--	Peak	62.00	100	Vertical	N/A
3**	5792.000	99.97	-2.25	--	--	AV	62.00	100	Vertical	N/A
4	11568.675	56.64	-1.00	74.0	17.36	Peak	56.00	100	Vertical	Pass
4**	11568.675	47.96	-1.00	54.0	6.04	AV	56.00	100	Vertical	Pass
5	11568.912	54.26	-1.00	74.0	19.74	Peak	347.00	300	Vertical	Pass
5**	11568.912	49.20	-1.00	54.0	4.80	AV	347.00	300	Vertical	Pass
6	17343.488	64.38	3.04	68.2	3.82	Peak	29.00	200	Vertical	Pass
6**	17343.488	52.14	3.04	--	--	AV	29.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.200	55.66	-17.11	74.0	18.34	Peak	181.00	300	Horizontal	Pass
1**	1517.200	42.64	-17.11	54.0	11.36	AV	181.00	300	Horizontal	Pass
2	4123.750	46.91	-5.59	74.0	27.09	Peak	171.00	200	Horizontal	Pass
2**	4123.750	37.13	-5.59	54.0	16.87	AV	171.00	200	Horizontal	Pass
3	5820.000	95.62	-2.28	--	--	Peak	84.00	200	Horizontal	N/A
3**	5820.000	88.10	-2.28	--	--	AV	84.00	200	Horizontal	N/A
4	11649.188	52.90	-1.34	74.0	21.10	Peak	90.00	150	Horizontal	Pass
4**	11649.188	47.07	-1.34	54.0	6.93	AV	90.00	150	Horizontal	Pass
5	11652.750	55.25	-1.30	74.0	18.75	Peak	69.00	150	Horizontal	Pass
5**	11652.750	45.12	-1.30	54.0	8.88	AV	69.00	150	Horizontal	Pass
6	17481.300	61.91	4.99	68.2	6.29	Peak	121.00	150	Horizontal	Pass
6**	17481.300	51.43	4.99	--	--	AV	121.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1566.000	58.84	-17.33	74.0	15.16	Peak	115.00	200	Vertical	Pass
1**	1566.000	41.40	-17.33	54.0	12.60	AV	115.00	200	Vertical	Pass
2	4337.000	47.42	-4.74	74.0	26.58	Peak	313.00	400	Vertical	Pass
2**	4337.000	37.98	-4.74	54.0	16.02	AV	313.00	400	Vertical	Pass
3	5819.750	106.12	-2.33	--	--	Peak	102.00	150	Vertical	N/A
3**	5819.750	99.18	-2.33	--	--	AV	102.00	150	Vertical	N/A
4	11646.812	52.19	-1.30	74.0	21.81	Peak	52.00	150	Vertical	Pass
4**	11646.812	48.93	-1.30	54.0	5.07	AV	52.00	150	Vertical	Pass
5	11648.950	56.54	-1.33	74.0	17.46	Peak	61.00	200	Vertical	Pass
5**	11648.950	46.89	-1.33	54.0	7.11	AV	61.00	200	Vertical	Pass
6	17481.300	64.85	4.99	68.2	3.35	Peak	55.00	150	Vertical	Pass
6**	17481.300	54.39	4.99	--	--	AV	55.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.700	55.57	-17.09	74.0	18.43	Peak	152.00	100	Horizontal	Pass
1**	1490.700	43.96	-17.09	54.0	10.04	AV	152.00	100	Horizontal	Pass
2	4235.000	47.80	-5.17	74.0	26.20	Peak	184.00	200	Horizontal	Pass
2**	4235.000	37.20	-5.17	54.0	16.80	AV	184.00	200	Horizontal	Pass
3	5767.750	96.11	-2.36	--	--	Peak	79.00	200	Horizontal	N/A
3**	5767.750	88.16	-2.36	--	--	AV	79.00	200	Horizontal	N/A
4	11509.537	54.60	-0.71	74.0	19.40	Peak	69.00	400	Horizontal	Pass
4**	11509.537	50.50	-0.71	54.0	3.50	AV	69.00	400	Horizontal	Pass
5	11514.050	57.85	-0.77	74.0	16.15	Peak	69.00	150	Horizontal	Pass
5**	11514.050	49.29	-0.77	54.0	4.71	AV	69.00	150	Horizontal	Pass
6	17253.974	59.91	2.46	68.2	8.29	Peak	360.00	400	Horizontal	Pass
6**	17253.974	50.04	2.46	--	--	AV	360.00	400	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.000	58.21	-17.23	74.0	15.79	Peak	121.00	300	Vertical	Pass
1**	1491.000	46.95	-17.23	54.0	7.05	AV	121.00	300	Vertical	Pass
2	4131.250	47.77	-5.46	74.0	26.23	Peak	128.00	400	Vertical	Pass
2**	4131.250	37.65	-5.46	54.0	16.35	AV	128.00	400	Vertical	Pass
3	5741.750	105.51	-2.14	--	--	Peak	62.00	100	Vertical	N/A
3**	5741.750	98.01	-2.14	--	--	AV	62.00	100	Vertical	N/A
4	11510.013	54.31	-0.72	74.0	19.69	Peak	56.00	400	Vertical	Pass
4**	11510.013	50.14	-0.72	54.0	3.86	AV	56.00	400	Vertical	Pass
5	11517.850	56.88	-0.82	74.0	17.12	Peak	71.00	100	Vertical	Pass
5**	11517.850	49.88	-0.82	54.0	4.12	AV	71.00	100	Vertical	Pass
6	17267.886	62.15	2.51	68.2	6.05	Peak	33.00	400	Vertical	Pass
6**	17267.886	52.34	2.51	--	--	AV	33.00	400	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	56.15	-17.18	74.0	17.85	Peak	184.00	400	Horizontal	Pass
1**	1490.900	40.47	-17.18	54.0	13.53	AV	184.00	400	Horizontal	Pass
2	4220.750	46.98	-5.17	74.0	27.02	Peak	17.00	400	Horizontal	Pass
2**	4220.750	37.52	-5.17	54.0	16.48	AV	17.00	400	Horizontal	Pass
3	5781.500	95.67	-2.75	--	--	Peak	63.00	150	Horizontal	N/A
3**	5781.500	87.67	-2.75	--	--	AV	63.00	150	Horizontal	N/A
4	11584.588	55.05	-0.80	74.0	18.95	Peak	76.00	150	Horizontal	Pass
4**	11584.588	46.16	-0.80	54.0	7.84	AV	76.00	150	Horizontal	Pass
5	11589.812	54.71	-0.74	74.0	19.29	Peak	76.00	200	Horizontal	Pass
5**	11589.812	48.65	-0.74	54.0	5.35	AV	76.00	200	Horizontal	Pass
6	17377.350	60.58	4.37	68.2	7.62	Peak	123.00	100	Horizontal	Pass
6**	17377.350	52.05	4.37	--	--	AV	123.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.000	60.49	-16.84	74.0	13.51	Peak	99.00	300	Vertical	Pass
1**	1579.000	44.08	-16.84	54.0	9.92	AV	99.00	300	Vertical	Pass
2	4256.000	47.16	-4.07	74.0	26.84	Peak	308.00	100	Vertical	Pass
2**	4256.000	38.64	-4.07	54.0	15.36	AV	308.00	100	Vertical	Pass
3	5783.250	105.46	-2.88	--	--	Peak	80.00	200	Vertical	N/A
3**	5783.250	97.82	-2.88	--	--	AV	80.00	200	Vertical	N/A
4	11589.100	55.59	-0.75	74.0	18.41	Peak	52.00	100	Vertical	Pass
4**	11589.100	47.20	-0.75	54.0	6.80	AV	52.00	100	Vertical	Pass
5	11590.050	53.19	-0.73	74.0	20.81	Peak	52.00	200	Vertical	Pass
5**	11590.050	49.26	-0.73	54.0	4.74	AV	52.00	200	Vertical	Pass
6	17379.449	64.71	4.47	68.2	3.49	Peak	53.00	100	Vertical	Pass
6**	17379.449	54.11	4.47	--	--	AV	53.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.300	54.92	-17.18	74.0	19.08	Peak	125.00	400	Horizontal	Pass
1**	1540.300	39.16	-17.18	54.0	14.84	AV	125.00	400	Horizontal	Pass
2	4380.500	46.77	-5.13	74.0	27.23	Peak	179.00	100	Horizontal	Pass
2**	4380.500	37.23	-5.13	54.0	16.77	AV	179.00	100	Horizontal	Pass
3	5741.000	97.94	-2.12	--	--	Peak	69.00	100	Horizontal	N/A
3**	5741.000	89.98	-2.12	--	--	AV	69.00	100	Horizontal	N/A
4	11492.675	54.51	-0.72	74.0	19.49	Peak	79.00	100	Horizontal	Pass
4**	11492.675	50.97	-0.72	54.0	3.03	AV	79.00	100	Horizontal	Pass
5	11495.525	58.29	-0.67	74.0	15.71	Peak	71.00	200	Horizontal	Pass
5**	11495.525	48.44	-0.67	54.0	5.56	AV	71.00	200	Horizontal	Pass
6	17224.837	62.18	3.26	68.2	6.02	Peak	360.00	100	Horizontal	Pass
6**	17224.837	50.49	3.26	--	--	AV	360.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.100	59.52	-16.80	74.0	14.48	Peak	113.00	300	Vertical	Pass
1**	1579.100	44.01	-16.80	54.0	9.99	AV	113.00	300	Vertical	Pass
2	4130.000	48.52	-5.54	74.0	25.48	Peak	143.00	200	Vertical	Pass
2**	4130.000	38.18	-5.54	54.0	15.82	AV	143.00	200	Vertical	Pass
3	5740.000	107.85	-2.06	--	--	Peak	101.00	100	Vertical	N/A
3**	5740.000	100.56	-2.06	--	--	AV	101.00	100	Vertical	N/A
4	11492.675	58.23	-0.72	74.0	15.77	Peak	66.00	100	Vertical	Pass
4**	11492.675	48.53	-0.72	54.0	5.47	AV	66.00	100	Vertical	Pass
5	11498.849	55.79	-0.61	74.0	18.21	Peak	81.00	100	Vertical	Pass
5**	11498.849	50.74	-0.61	54.0	3.26	AV	81.00	100	Vertical	Pass
6	17220.901	64.60	3.39	68.2	3.60	Peak	55.00	100	Vertical	Pass
6**	17220.901	51.62	3.39	--	--	AV	55.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.800	55.61	-17.32	74.0	18.39	Peak	180.00	300	Horizontal	Pass
1**	1523.800	38.98	-17.32	54.0	15.02	AV	180.00	300	Horizontal	Pass
2	4353.000	47.66	-4.55	74.0	26.34	Peak	47.00	100	Horizontal	Pass
2**	4353.000	37.99	-4.55	54.0	16.01	AV	47.00	100	Horizontal	Pass
3	5791.000	99.35	-2.35	--	--	Peak	106.00	200	Horizontal	N/A
3**	5791.000	92.06	-2.35	--	--	AV	106.00	200	Horizontal	N/A
4	11564.875	52.30	-1.05	74.0	21.70	Peak	87.00	300	Horizontal	Pass
4**	11564.875	49.77	-1.05	54.0	4.23	AV	87.00	300	Horizontal	Pass
5	11575.562	56.22	-0.92	74.0	17.78	Peak	80.00	200	Horizontal	Pass
5**	11575.562	46.20	-0.92	54.0	7.80	AV	80.00	200	Horizontal	Pass
6	17361.074	60.97	3.61	68.2	7.23	Peak	336.00	300	Horizontal	Pass
6**	17361.074	49.67	3.61	--	--	AV	336.00	300	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.000	58.40	-16.84	74.0	15.60	Peak	130.00	100	Vertical	Pass
1**	1579.000	44.92	-16.84	54.0	9.08	AV	130.00	100	Vertical	Pass
2	4210.500	47.65	-5.16	74.0	26.35	Peak	185.00	300	Vertical	Pass
2**	4210.500	37.17	-5.16	54.0	16.83	AV	185.00	300	Vertical	Pass
3	5790.250	107.66	-2.31	--	--	Peak	83.00	200	Vertical	N/A
3**	5790.250	99.87	-2.31	--	--	AV	83.00	200	Vertical	N/A
4	11570.338	58.65	-0.98	74.0	15.35	Peak	91.00	200	Vertical	Pass
4**	11570.338	50.50	-0.98	54.0	3.50	AV	91.00	200	Vertical	Pass
5	11571.287	54.84	-0.97	74.0	19.16	Peak	91.00	300	Vertical	Pass
5**	11571.287	50.69	-0.97	54.0	3.31	AV	91.00	300	Vertical	Pass
6	17355.825	63.53	3.37	68.2	4.67	Peak	9.00	200	Vertical	Pass
6**	17355.825	51.61	3.37	--	--	AV	9.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.600	55.63	-17.26	74.0	18.37	Peak	124.00	100	Horizontal	Pass
1**	1543.600	38.40	-17.26	54.0	15.60	AV	124.00	100	Horizontal	Pass
2	4361.750	47.84	-4.96	74.0	26.16	Peak	7.00	400	Horizontal	Pass
2**	4361.750	37.95	-4.96	54.0	16.05	AV	7.00	400	Horizontal	Pass
3	5830.000	98.23	-2.73	--	--	Peak	86.00	100	Horizontal	N/A
3**	5830.000	90.30	-2.73	--	--	AV	86.00	100	Horizontal	N/A
4	11649.188	55.72	-1.34	74.0	18.28	Peak	80.00	100	Horizontal	Pass
4**	11649.188	47.09	-1.34	54.0	6.91	AV	80.00	100	Horizontal	Pass
5	11652.513	50.22	-1.31	74.0	23.78	Peak	94.00	100	Horizontal	Pass
5**	11652.513	48.06	-1.31	54.0	5.94	AV	94.00	100	Horizontal	Pass
6	17465.025	63.83	5.29	68.2	4.37	Peak	336.00	400	Horizontal	Pass
6**	17465.025	50.78	5.29	--	--	AV	336.00	400	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.900	59.48	-17.15	74.0	14.52	Peak	118.00	100	Vertical	Pass
1**	1551.900	44.49	-17.15	54.0	9.51	AV	118.00	100	Vertical	Pass
2	4130.500	47.64	-5.51	74.0	26.36	Peak	126.00	100	Vertical	Pass
2**	4130.500	37.20	-5.51	54.0	16.80	AV	126.00	100	Vertical	Pass
3	5821.750	106.97	-2.58	--	--	Peak	85.00	200	Vertical	N/A
3**	5821.750	99.18	-2.58	--	--	AV	85.00	200	Vertical	N/A
4	11641.588	56.73	-1.22	74.0	17.27	Peak	115.00	200	Vertical	Pass
4**	11641.588	46.87	-1.22	54.0	7.13	AV	115.00	200	Vertical	Pass
5	11650.612	53.39	-1.34	74.0	20.61	Peak	106.00	100	Vertical	Pass
5**	11650.612	49.22	-1.34	54.0	4.78	AV	106.00	100	Vertical	Pass
6	17470.011	63.63	5.20	68.2	4.57	Peak	342.00	400	Vertical	Pass
6**	17470.011	53.79	5.20	--	--	AV	342.00	400	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.200	55.59	-16.93	74.0	18.41	Peak	171.00	400	Horizontal	Pass
1**	1481.200	41.10	-16.93	54.0	12.90	AV	171.00	400	Horizontal	Pass
2	4289.250	47.35	-4.41	74.0	26.65	Peak	265.00	300	Horizontal	Pass
2**	4289.250	37.81	-4.41	54.0	16.19	AV	265.00	300	Horizontal	Pass
3	5766.500	96.09	-2.28	--	--	Peak	85.00	150	Horizontal	N/A
3**	5766.500	88.19	-2.28	--	--	AV	85.00	150	Horizontal	N/A
4	11509.300	54.38	-0.71	74.0	19.62	Peak	79.00	150	Horizontal	Pass
4**	11509.300	49.10	-0.71	54.0	4.90	AV	79.00	150	Horizontal	Pass
5	11509.537	55.63	-0.71	74.0	18.37	Peak	79.00	150	Horizontal	Pass
5**	11509.537	48.03	-0.71	54.0	5.97	AV	79.00	150	Horizontal	Pass
6	17260.538	56.72	2.48	68.2	11.48	Peak	343.00	150	Horizontal	Pass
6**	17260.538	48.70	2.48	--	--	AV	343.00	150	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.500	58.19	-17.03	74.0	15.81	Peak	118.00	200	Vertical	Pass
1**	1573.500	41.83	-17.03	54.0	12.17	AV	118.00	200	Vertical	Pass
2	4185.250	47.61	-5.31	74.0	26.39	Peak	113.00	400	Vertical	Pass
2**	4185.250	37.83	-5.31	54.0	16.17	AV	113.00	400	Vertical	Pass
3	5768.250	105.91	-2.30	--	--	Peak	93.00	150	Vertical	N/A
3**	5768.250	96.91	-2.30	--	--	AV	93.00	150	Vertical	N/A
4	11511.200	54.03	-0.74	74.0	19.97	Peak	92.00	150	Vertical	Pass
4**	11511.200	49.05	-0.74	54.0	4.95	AV	92.00	150	Vertical	Pass
5	11517.138	56.08	-0.81	74.0	17.92	Peak	77.00	150	Vertical	Pass
5**	11517.138	47.32	-0.81	54.0	6.68	AV	77.00	150	Vertical	Pass
6	17262.637	58.36	2.49	68.2	9.84	Peak	349.00	150	Vertical	Pass
6**	17262.637	49.44	2.49	--	--	AV	349.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.500	56.62	-17.10	74.0	17.38	Peak	175.00	100	Horizontal	Pass
1**	1491.500	42.36	-17.10	54.0	11.64	AV	175.00	100	Horizontal	Pass
2	3876.750	47.67	-6.04	74.0	26.33	Peak	154.00	300	Horizontal	Pass
2**	3876.750	36.30	-6.04	54.0	17.70	AV	154.00	300	Horizontal	Pass
3	5792.250	96.48	-2.24	--	--	Peak	112.00	150	Horizontal	N/A
3**	5792.250	88.64	-2.24	--	--	AV	112.00	150	Horizontal	N/A
4	11587.200	53.91	-0.77	74.0	20.09	Peak	86.00	100	Horizontal	Pass
4**	11587.200	45.82	-0.77	54.0	8.18	AV	86.00	100	Horizontal	Pass
5	11589.338	51.22	-0.74	74.0	22.78	Peak	86.00	150	Horizontal	Pass
5**	11589.338	47.63	-0.74	54.0	6.37	AV	86.00	150	Horizontal	Pass
6	17373.938	59.28	4.21	68.2	8.92	Peak	315.00	100	Horizontal	Pass
6**	17373.938	48.89	4.21	--	--	AV	315.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.300	58.96	-16.99	74.0	15.04	Peak	110.00	300	Vertical	Pass
1**	1575.300	41.23	-16.99	54.0	12.77	AV	110.00	300	Vertical	Pass
2	4178.500	47.70	-5.12	74.0	26.30	Peak	175.00	100	Vertical	Pass
2**	4178.500	37.24	-5.12	54.0	16.76	AV	175.00	100	Vertical	Pass
3	5796.500	104.84	-2.26	--	--	Peak	86.00	150	Vertical	N/A
3**	5796.500	96.66	-2.26	--	--	AV	86.00	150	Vertical	N/A
4	11590.525	54.71	-0.73	74.0	19.29	Peak	89.00	100	Vertical	Pass
4**	11590.525	47.30	-0.73	54.0	6.70	AV	89.00	100	Vertical	Pass
5	11590.762	53.00	-0.73	74.0	21.00	Peak	60.00	150	Vertical	Pass
5**	11590.762	47.98	-0.73	54.0	6.02	AV	60.00	150	Vertical	Pass
6	17407.275	59.78	5.45	68.2	8.42	Peak	35.00	100	Vertical	Pass
6**	17407.275	48.32	5.45	--	--	AV	35.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.100	56.42	-17.22	74.0	17.58	Peak	180.00	400	Horizontal	Pass
1**	1522.100	40.72	-17.22	54.0	13.28	AV	180.00	400	Horizontal	Pass
2	4149.500	46.92	-5.46	74.0	27.08	Peak	7.00	100	Horizontal	Pass
2**	4149.500	37.98	-5.46	54.0	16.02	AV	7.00	100	Horizontal	Pass
3	5792.750	94.89	-2.18	--	--	Peak	105.00	150	Horizontal	N/A
3**	5792.750	86.66	-2.18	--	--	AV	105.00	150	Horizontal	N/A
4	11531.862	54.09	-1.00	74.0	19.91	Peak	79.00	150	Horizontal	Pass
4**	11531.862	43.35	-1.00	54.0	10.65	AV	79.00	150	Horizontal	Pass
5	11543.737	52.04	-1.16	74.0	21.96	Peak	79.00	100	Horizontal	Pass
5**	11543.737	48.03	-1.16	54.0	5.97	AV	79.00	100	Horizontal	Pass
6	17302.276	57.17	2.66	68.2	11.03	Peak	341.00	100	Horizontal	Pass
6**	17302.276	48.13	2.66	--	--	AV	341.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.000	60.00	-16.84	74.0	14.00	Peak	117.00	200	Vertical	Pass
1**	1579.000	42.82	-16.84	54.0	11.18	AV	117.00	200	Vertical	Pass
2	4150.250	47.28	-5.39	74.0	26.72	Peak	344.00	400	Vertical	Pass
2**	4150.250	37.87	-5.39	54.0	16.13	AV	344.00	400	Vertical	Pass
3	5801.750	103.62	-2.01	--	--	Peak	90.00	200	Vertical	N/A
3**	5801.750	96.16	-2.01	--	--	AV	90.00	200	Vertical	N/A
4	11542.313	52.81	-1.14	74.0	21.19	Peak	91.00	150	Vertical	Pass
4**	11542.313	48.99	-1.14	54.0	5.01	AV	91.00	150	Vertical	Pass
5	11549.674	55.33	-1.24	74.0	18.67	Peak	77.00	100	Vertical	Pass
5**	11549.674	46.80	-1.24	54.0	7.20	AV	77.00	100	Vertical	Pass
6	17312.776	58.76	2.75	68.2	9.44	Peak	41.00	150	Vertical	Pass
6**	17312.776	49.71	2.75	--	--	AV	41.00	150	Vertical	N/A

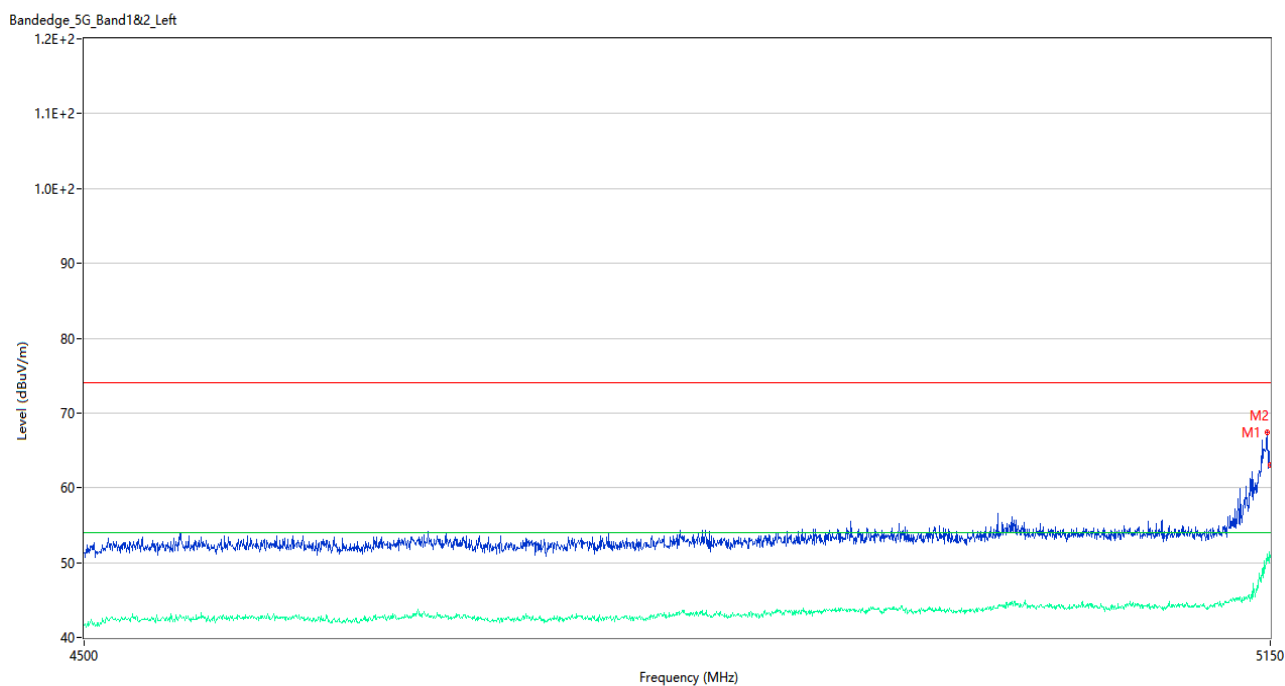
A.6.2 Band Edge (Restricted-band)

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

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

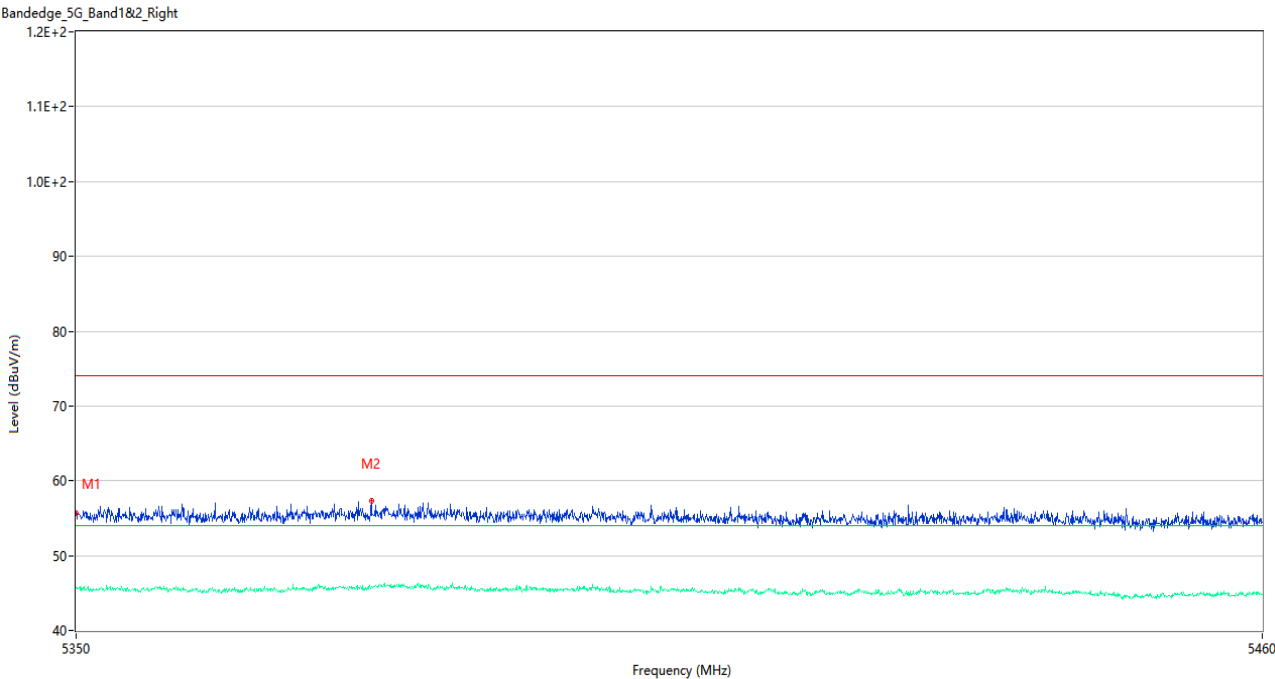
Test Data and Plots

U-NII-1 11a Low Channel



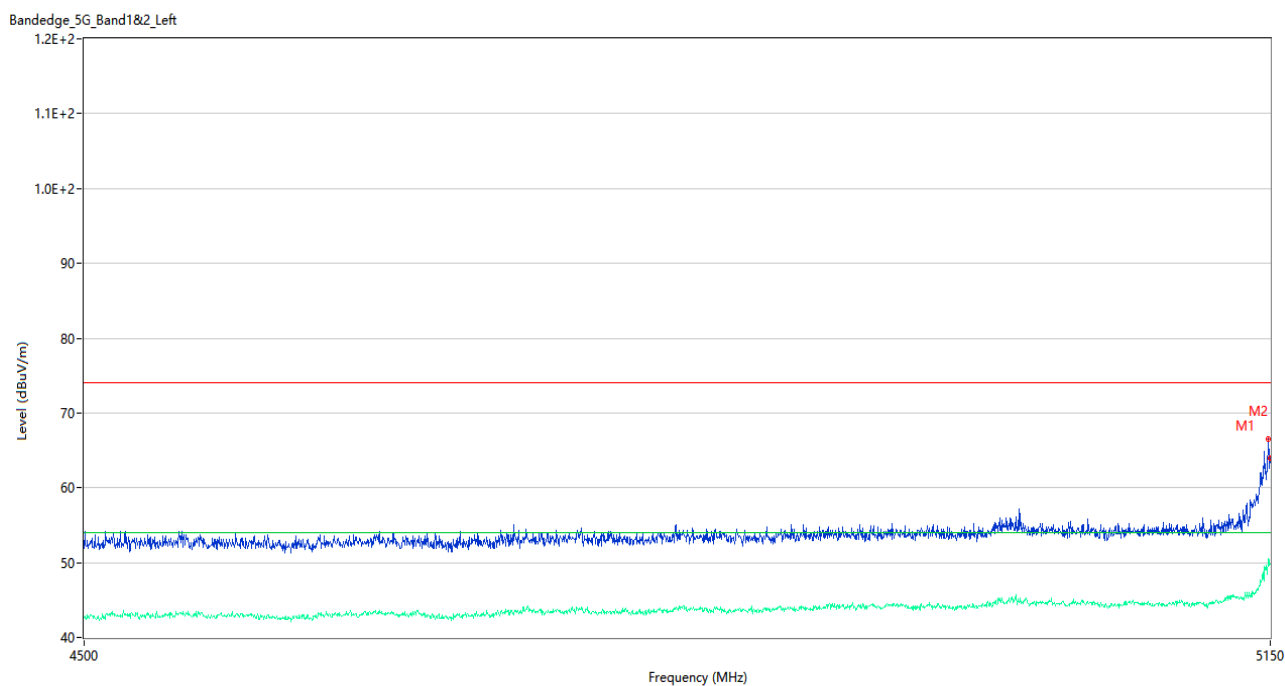
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.050	67.48	2.77	74.0	6.52	Peak	59.00	200	Vertical	Pass
1**	5148.050	50.22	2.77	54.0	3.78	AV	59.00	200	Vertical	Pass
2	5150.000	63.05	2.86	74.0	10.95	Peak	334.00	200	Vertical	Pass
2**	5150.000	50.63	2.86	54.0	3.37	AV	334.00	200	Vertical	Pass

U-NII-1 11a High Channel



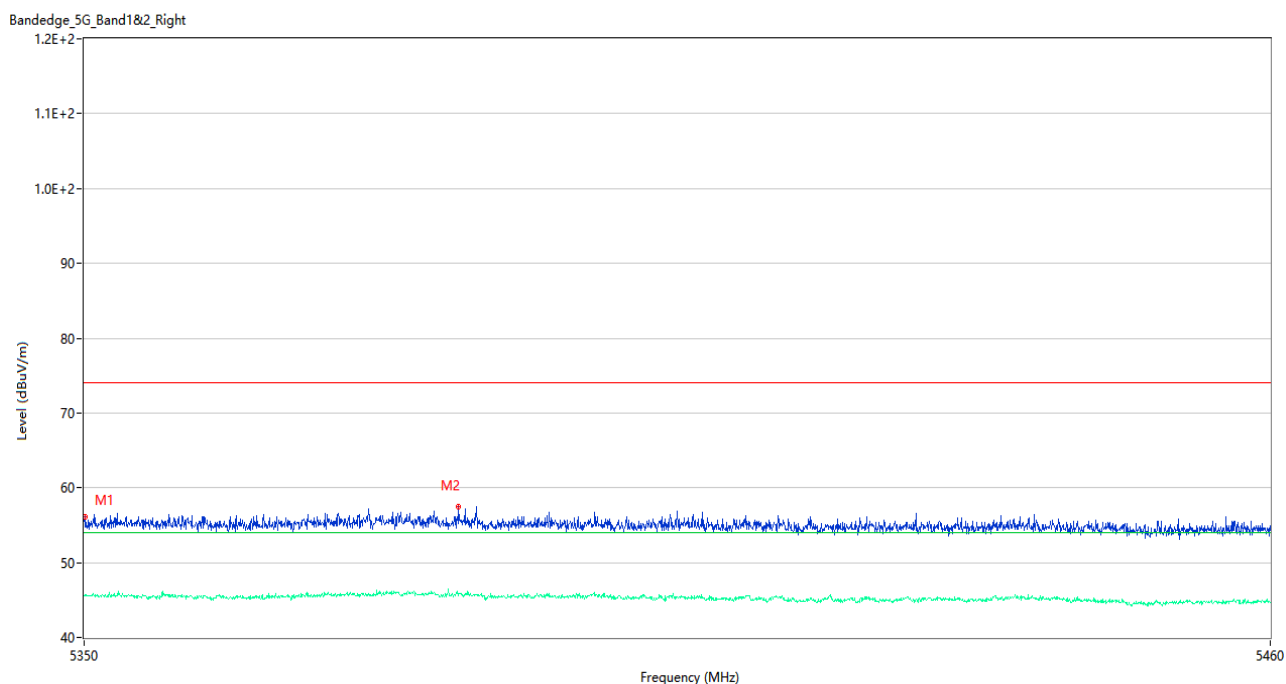
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.65	3.32	74.0	18.35	Peak	113.00	200	Vertical	Pass
1**	5350.000	45.74	3.32	54.0	8.26	AV	113.00	200	Vertical	Pass
2	5377.170	57.31	3.10	74.0	16.69	Peak	339.00	200	Vertical	Pass
2**	5377.170	45.91	3.10	54.0	8.09	AV	339.00	200	Vertical	Pass

U-NII-1 11n20 Low Channel



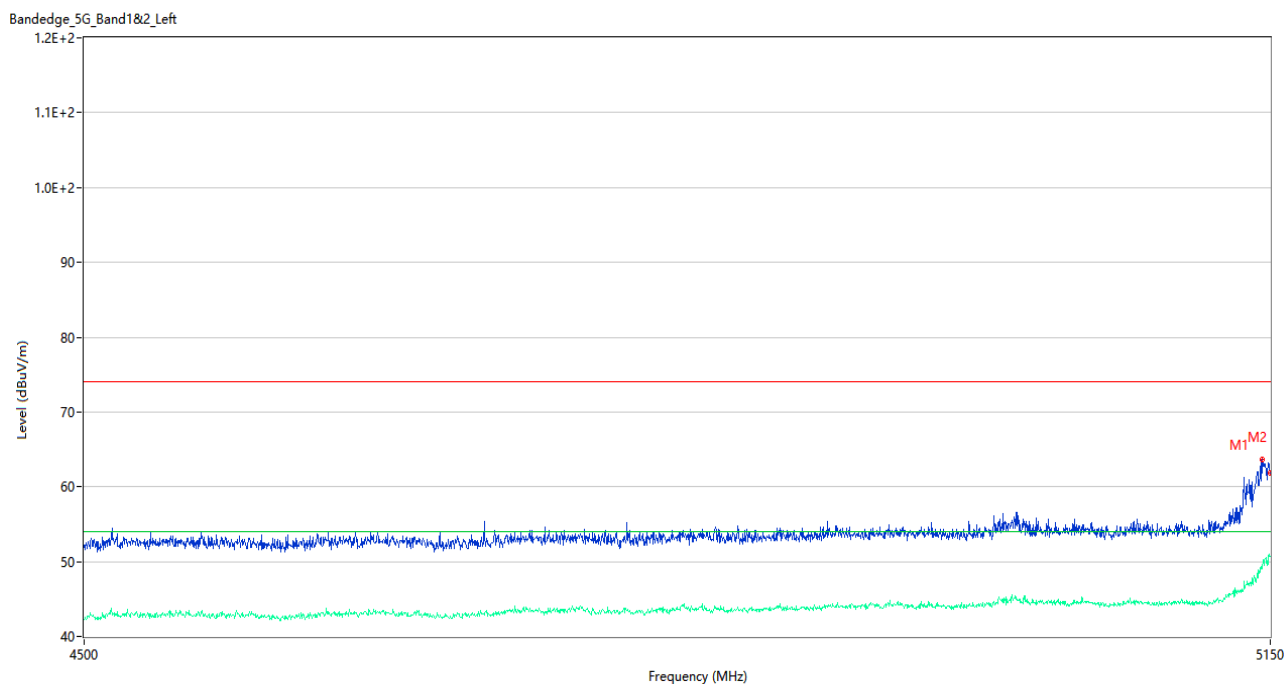
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	66.45	2.87	74.0	7.55	Peak	59.00	150	Vertical	Pass
1**	5149.025	50.51	2.87	54.0	3.49	AV	59.00	150	Vertical	Pass
2	5150.000	64.00	2.86	74.0	10.00	Peak	55.00	100	Vertical	Pass
2**	5150.000	49.78	2.86	54.0	4.22	AV	55.00	100	Vertical	Pass

U-NII-1 11n20 High Channel



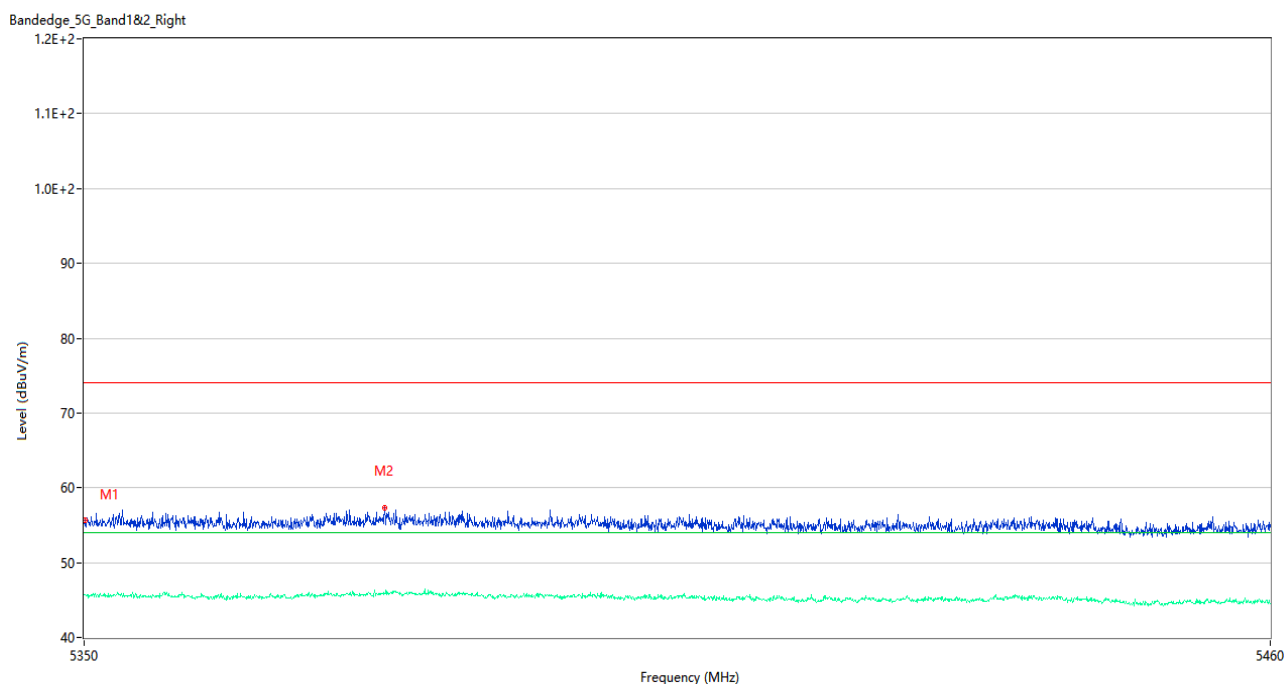
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.06	3.30	74.0	17.94	Peak	252.00	100	Vertical	Pass
1**	5350.055	45.70	3.30	54.0	8.30	AV	252.00	100	Vertical	Pass
2	5384.485	57.49	3.19	74.0	16.51	Peak	212.00	200	Vertical	Pass
2**	5384.485	45.94	3.19	54.0	8.06	AV	212.00	200	Vertical	Pass

U-NII-1 11n40 Low Channel



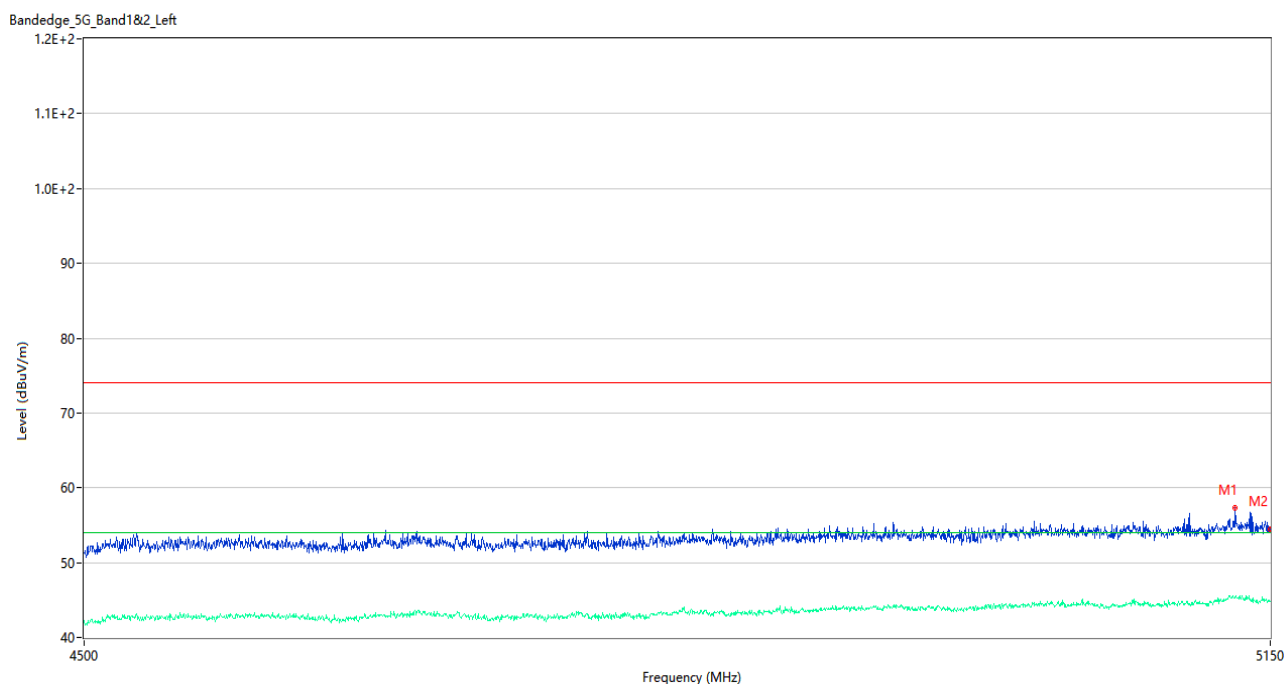
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	63.68	3.01	74.0	10.32	Peak	57.00	100	Vertical	Pass
1**	5145.450	49.41	3.01	54.0	4.59	AV	57.00	100	Vertical	Pass
2	5150.000	61.79	2.86	74.0	12.21	Peak	340.00	200	Vertical	Pass
2**	5150.000	50.63	2.86	54.0	3.37	AV	340.00	200	Vertical	Pass

U-NII-1 11n40 High Channel



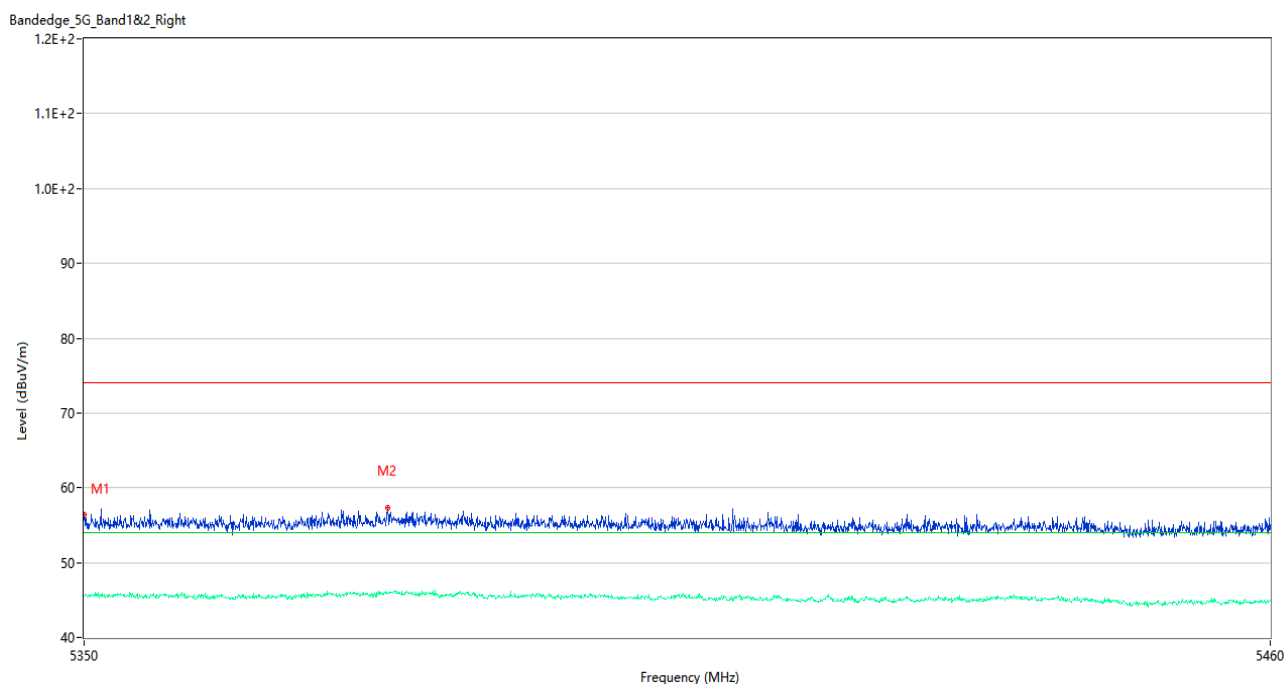
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.61	3.30	74.0	18.39	Peak	242.00	200	Vertical	Pass
1**	5350.055	45.66	3.30	54.0	8.34	AV	242.00	200	Vertical	Pass
2	5377.665	57.30	3.11	74.0	16.70	Peak	232.00	100	Vertical	Pass
2**	5377.665	45.93	3.11	54.0	8.07	AV	232.00	100	Vertical	Pass

U-NII-1 11ac20 Low Channel



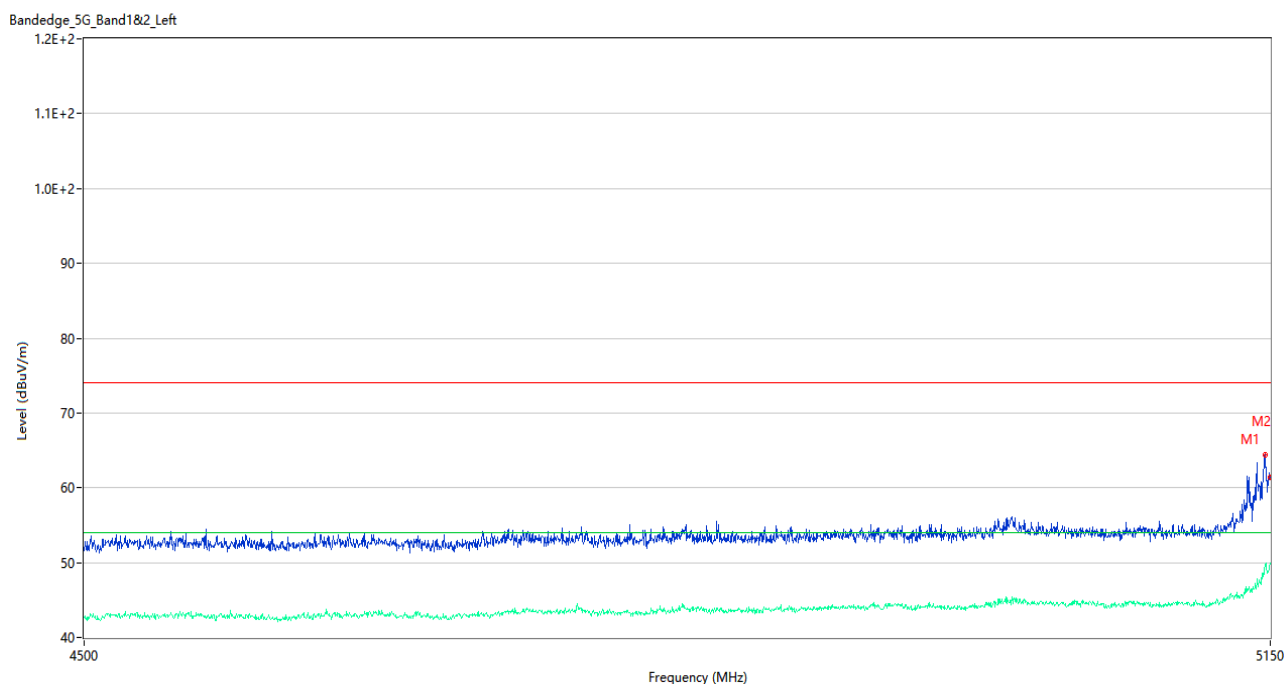
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	65.88	2.87	74.0	8.12	Peak	56.00	150	Vertical	Pass
1**	5149.025	49.72	2.87	54.0	4.28	AV	56.00	150	Vertical	Pass
2	5150.000	65.47	2.86	74.0	8.53	Peak	56.00	200	Vertical	Pass
2**	5150.000	50.86	2.86	54.0	3.14	AV	56.00	200	Vertical	Pass

U-NII-1 11ac20 High Channel



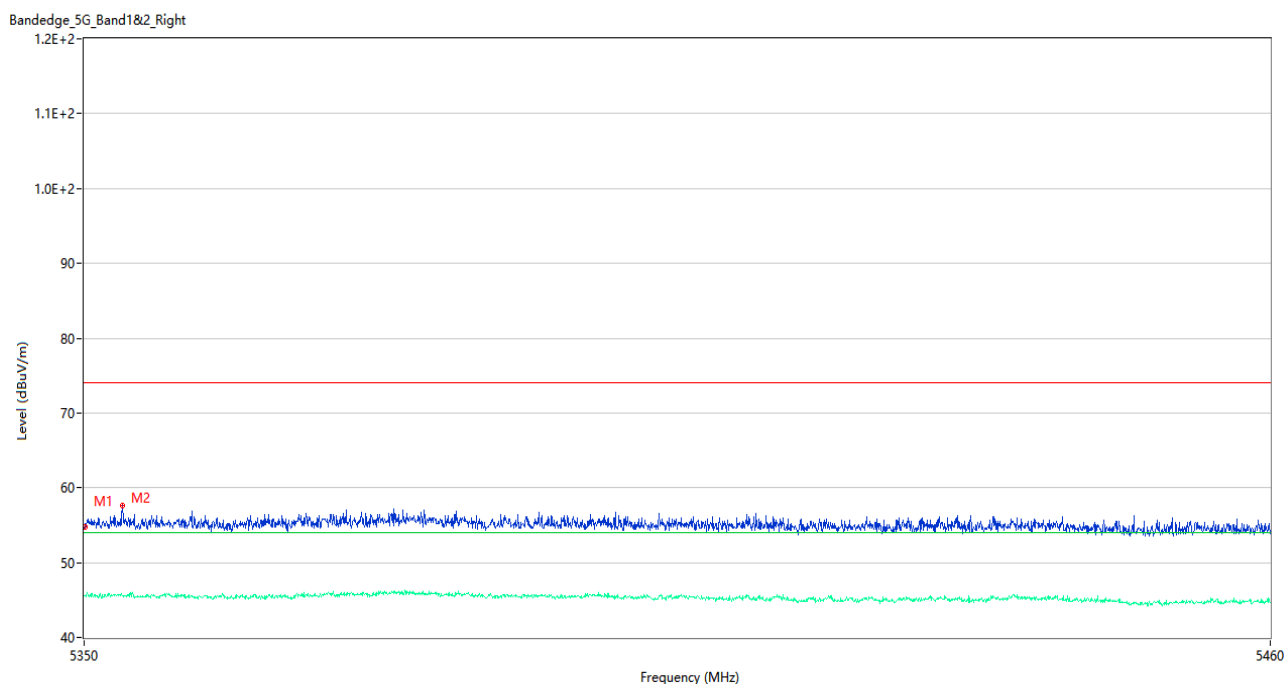
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.39	3.32	74.0	17.61	Peak	50.00	100	Vertical	Pass
1**	5350.000	45.54	3.32	54.0	8.46	AV	50.00	100	Vertical	Pass
2	5377.940	57.31	3.14	74.0	16.69	Peak	103.00	100	Vertical	Pass
2**	5377.940	45.83	3.14	54.0	8.17	AV	103.00	100	Vertical	Pass

U-NII-1 11ac40 Low Channel



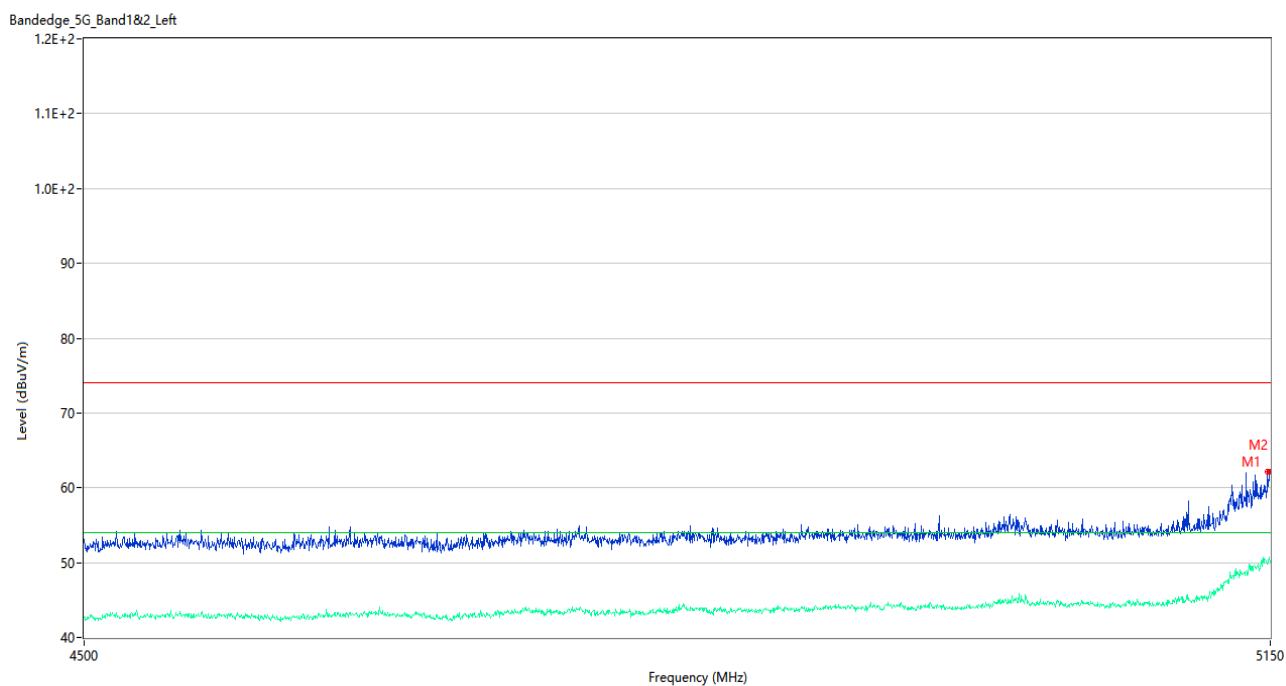
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	64.33	3.00	74.0	9.67	Peak	59.00	100	Vertical	Pass
1**	5147.075	49.64	3.00	54.0	4.36	AV	59.00	100	Vertical	Pass
2	5150.000	61.38	2.86	74.0	12.62	Peak	59.00	200	Vertical	Pass
2**	5150.000	50.01	2.86	54.0	3.99	AV	59.00	200	Vertical	Pass

U-NII-1 11ac40 High Channel



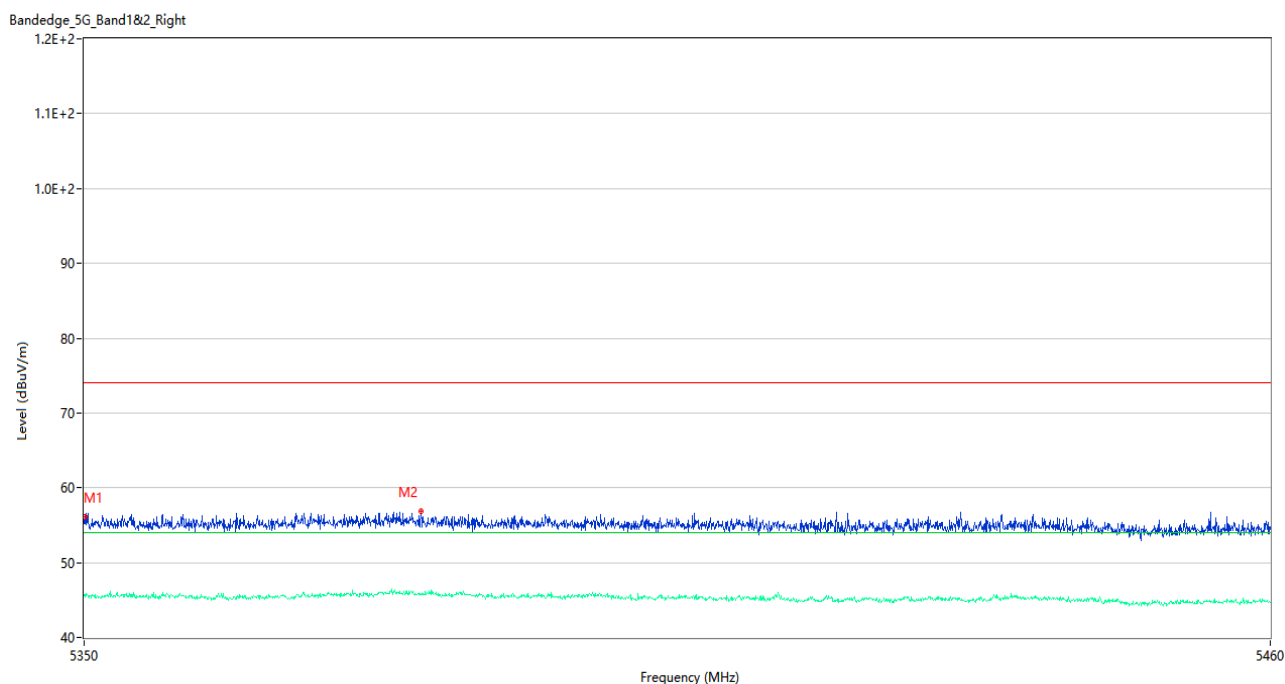
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.70	3.30	74.0	19.30	Peak	360.00	200	Vertical	Pass
1**	5350.055	45.61	3.30	54.0	8.39	AV	360.00	200	Vertical	Pass
2	5353.520	57.64	3.13	74.0	16.36	Peak	139.00	100	Vertical	Pass
2**	5353.520	45.60	3.13	54.0	8.40	AV	139.00	100	Vertical	Pass

U-NII-1 11ac80 Middle Channel



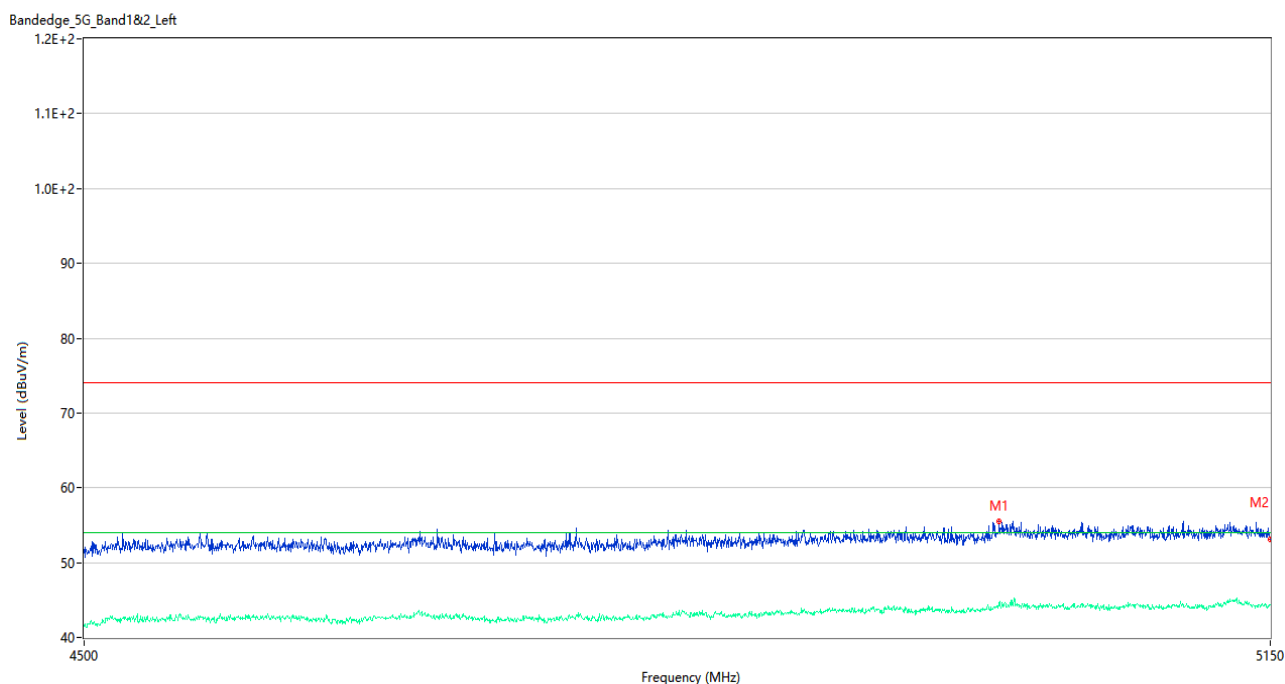
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.375	62.18	2.77	74.0	11.82	Peak	55.00	150	Vertical	Pass
1**	5148.375	49.99	2.77	54.0	4.01	AV	55.00	150	Vertical	Pass
2	5150.000	62.21	2.86	74.0	11.79	Peak	55.00	150	Vertical	Pass
2**	5150.000	50.13	2.86	54.0	3.87	AV	55.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel



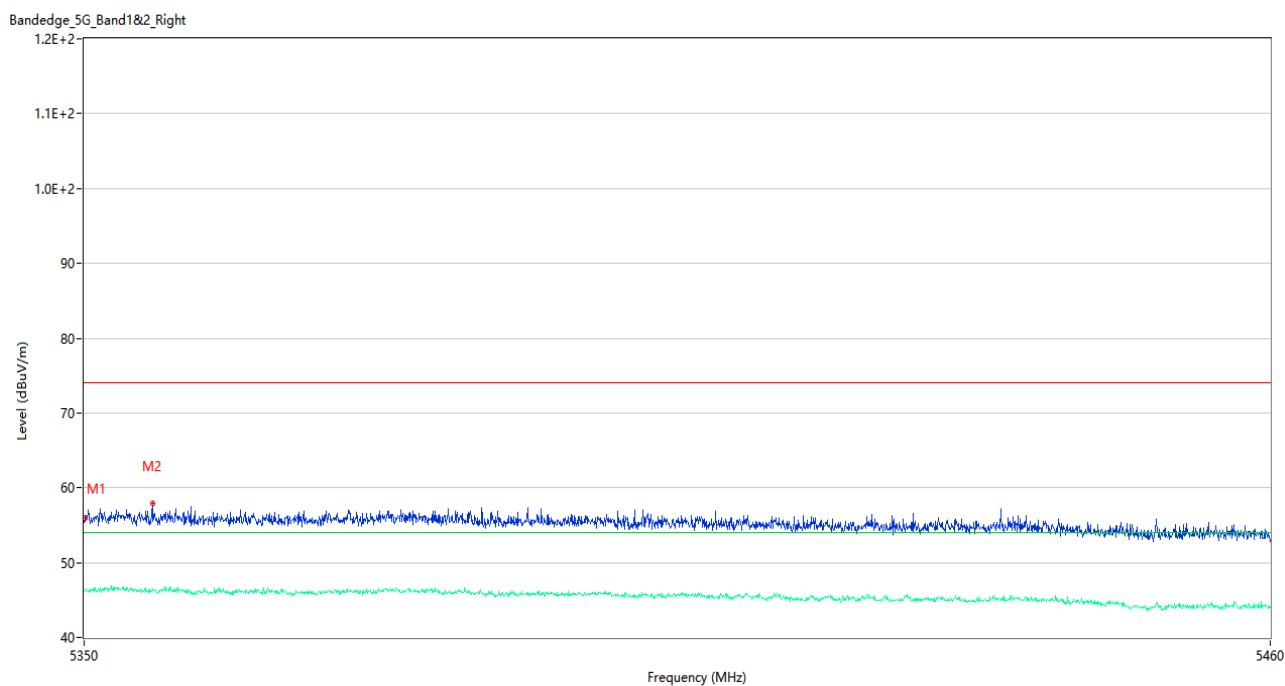
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.09	3.30	74.0	17.91	Peak	174.00	150	Vertical	Pass
1**	5350.055	45.43	3.30	54.0	8.57	AV	174.00	150	Vertical	Pass
2	5381.020	56.91	3.07	74.0	17.09	Peak	0.00	150	Vertical	Pass
2**	5381.020	45.80	3.07	54.0	8.20	AV	0.00	150	Vertical	Pass

U-NII-2A 11a Low Channel



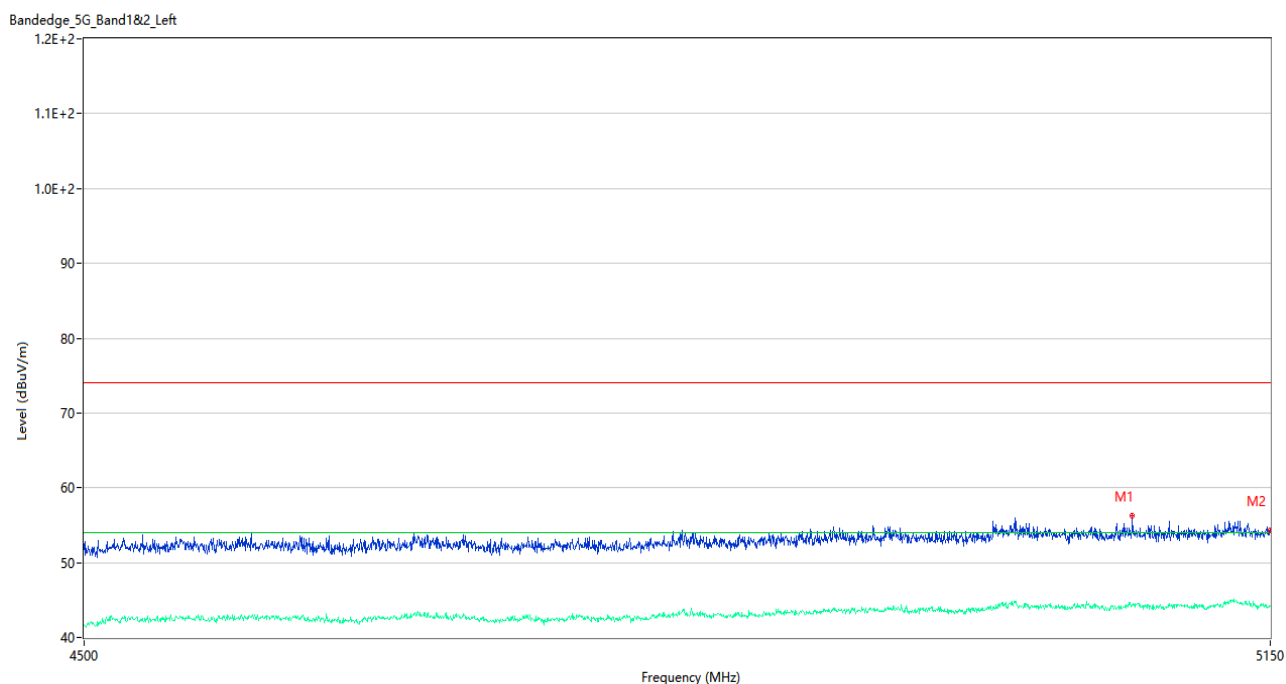
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4993.675	55.56	2.75	74.0	18.44	Peak	193.00	100	Vertical	Pass
1**	4993.675	44.47	2.75	54.0	9.53	AV	193.00	100	Vertical	Pass
2	5150.000	53.04	2.86	74.0	20.96	Peak	295.00	150	Vertical	Pass
2**	5150.000	44.35	2.86	54.0	9.65	AV	295.00	150	Vertical	Pass

U-NII-2A 11a High Channel



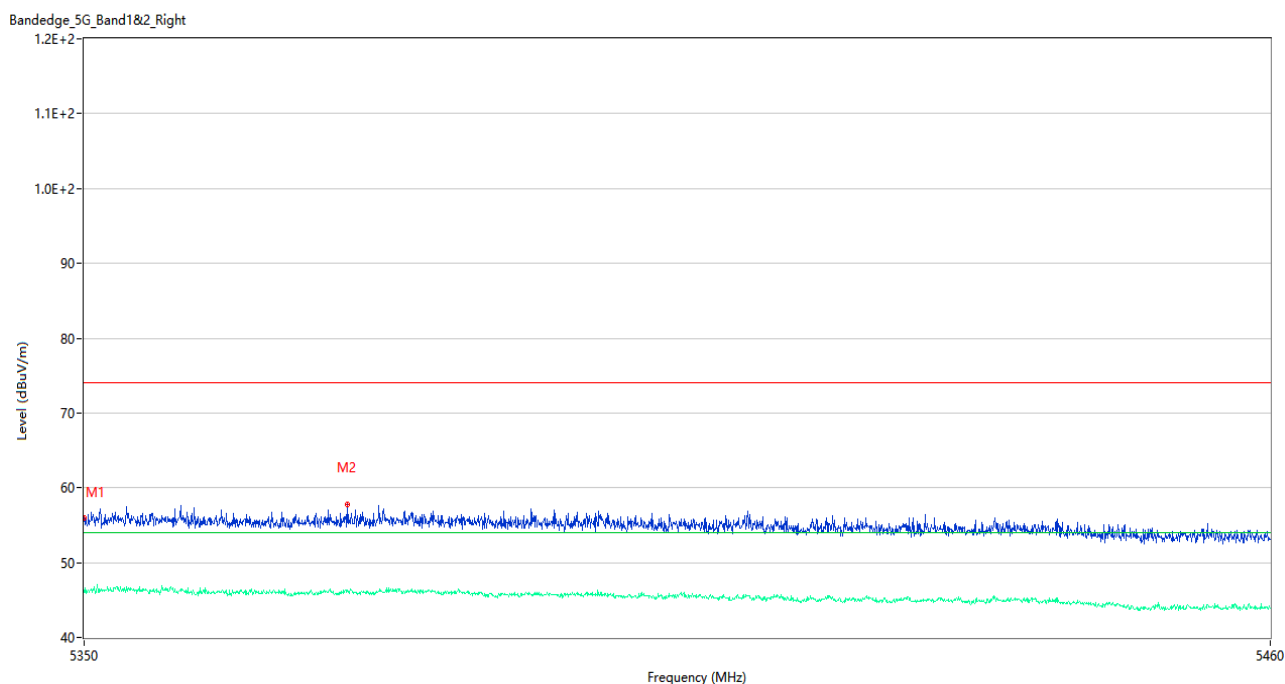
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.95	3.30	74.0	18.05	Peak	144.00	150	Vertical	Pass
1**	5350.055	46.38	3.30	54.0	7.62	AV	144.00	150	Vertical	Pass
2	5356.270	57.95	2.93	74.0	16.05	Peak	56.00	100	Vertical	Pass
2**	5356.270	46.54	2.93	54.0	7.46	AV	56.00	100	Vertical	Pass

U-NII-2A 11n20 Low Channel



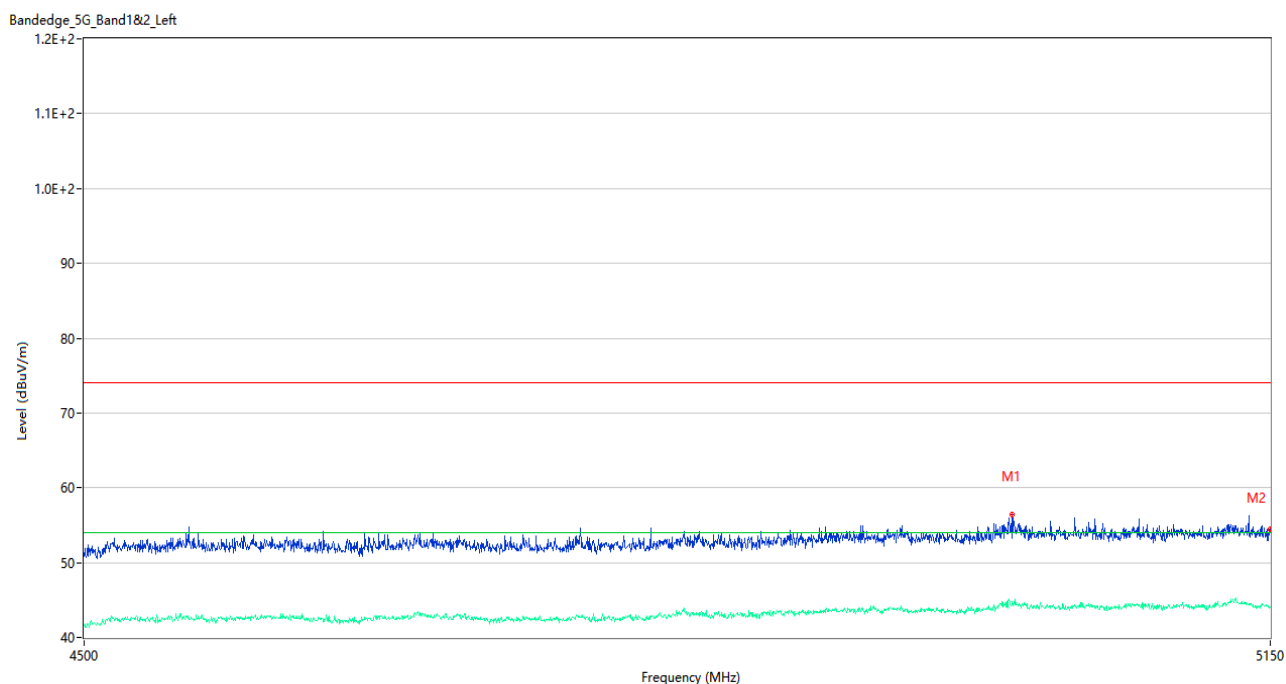
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5069.725	56.20	3.14	74.0	17.80	Peak	259.00	150	Vertical	Pass
1**	5069.725	44.20	3.14	54.0	9.80	AV	259.00	150	Vertical	Pass
2	5150.000	54.32	2.86	74.0	19.68	Peak	193.00	150	Vertical	Pass
2**	5150.000	44.22	2.86	54.0	9.78	AV	193.00	150	Vertical	Pass

U-NII-2A 11n20 High Channel



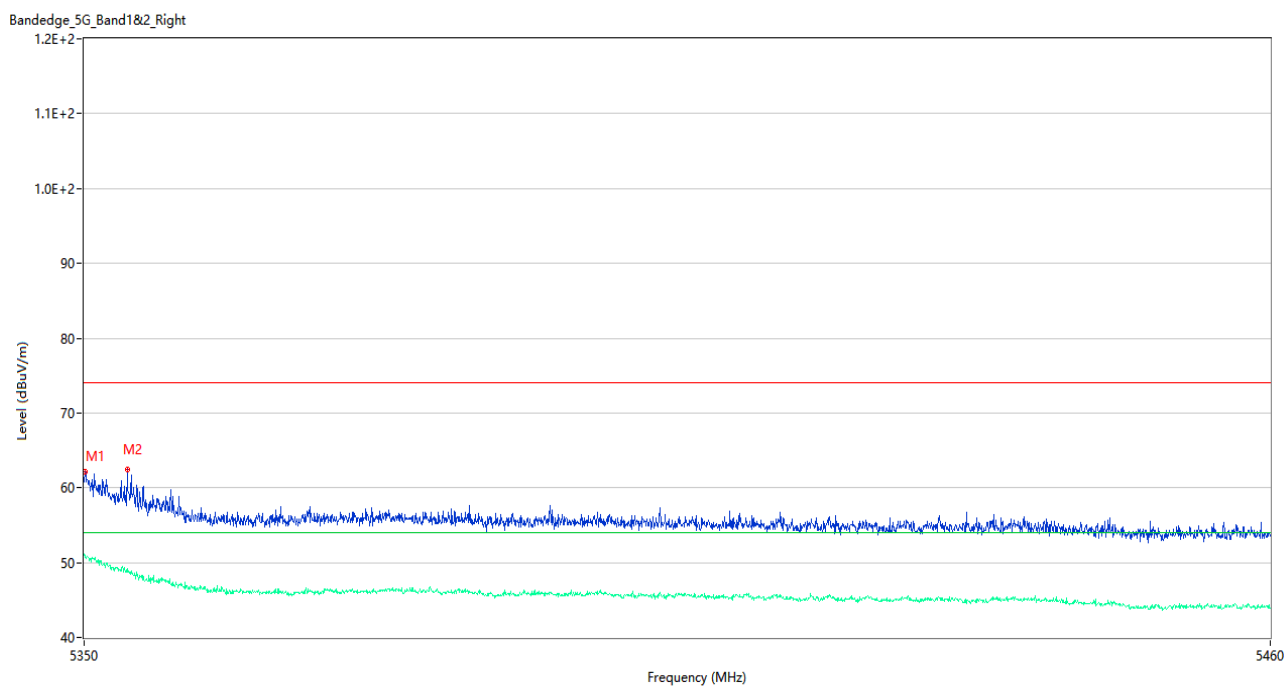
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.94	3.32	74.0	18.06	Peak	152.00	100	Vertical	Pass
1**	5350.000	46.06	3.32	54.0	7.94	AV	152.00	100	Vertical	Pass
2	5374.255	57.75	2.99	74.0	16.25	Peak	57.00	150	Vertical	Pass
2**	5374.255	46.17	2.99	54.0	7.83	AV	57.00	150	Vertical	Pass

U-NII-2A 11n40 Low Channel



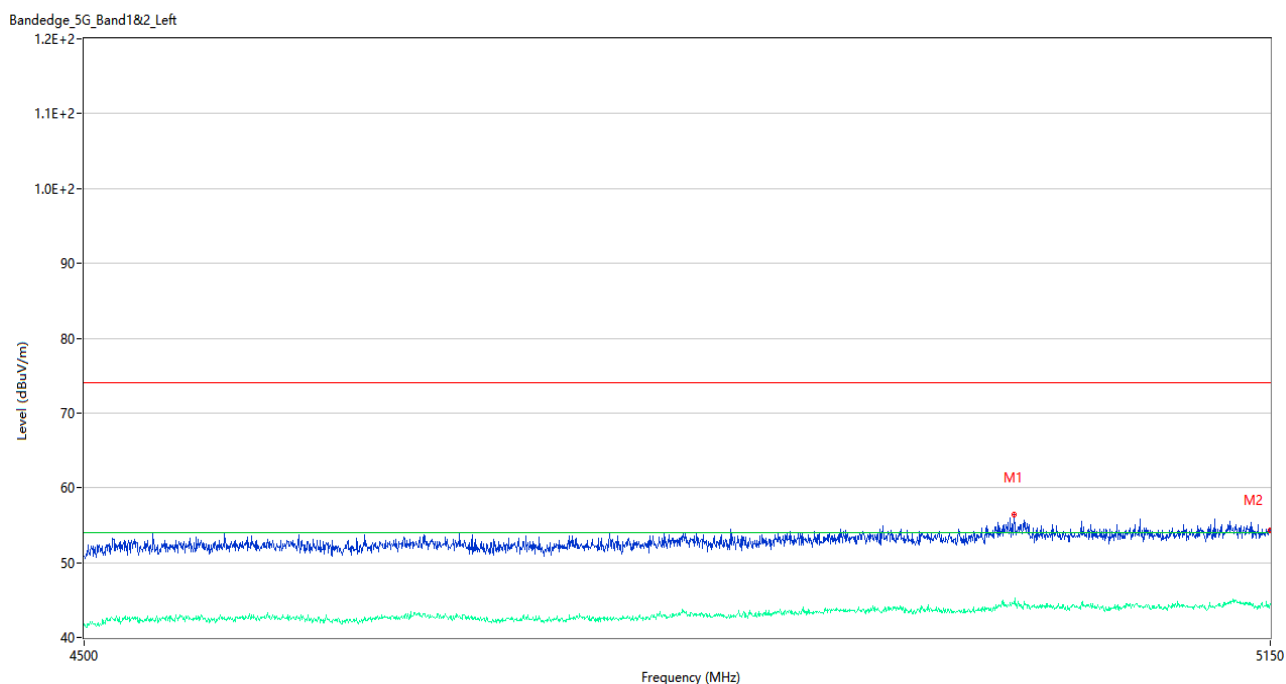
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5000.825	56.47	2.81	74.0	17.53	Peak	227.00	150	Vertical	Pass
1**	5000.825	44.33	2.81	54.0	9.67	AV	227.00	150	Vertical	Pass
2	5150.000	54.45	2.86	74.0	19.55	Peak	315.00	150	Vertical	Pass
2**	5150.000	44.08	2.86	54.0	9.92	AV	315.00	150	Vertical	Pass

U-NII-2A 11n40 High Channel



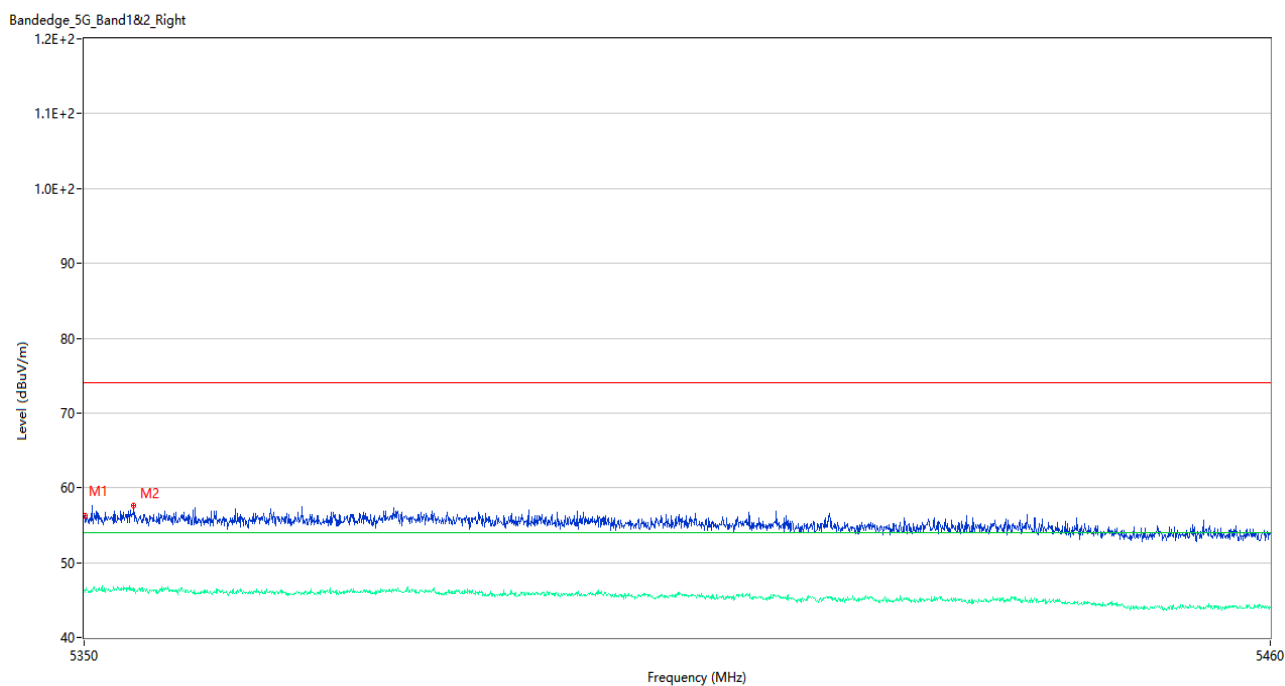
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	62.14	3.30	74.0	11.86	Peak	57.00	200	Vertical	Pass
1**	5350.055	50.73	3.30	54.0	3.27	AV	57.00	200	Vertical	Pass
2	5353.960	62.39	3.09	74.0	11.61	Peak	57.00	150	Vertical	Pass
2**	5353.960	48.75	3.09	54.0	5.25	AV	57.00	150	Vertical	Pass

U-NII-2A 11ac20 Low Channel



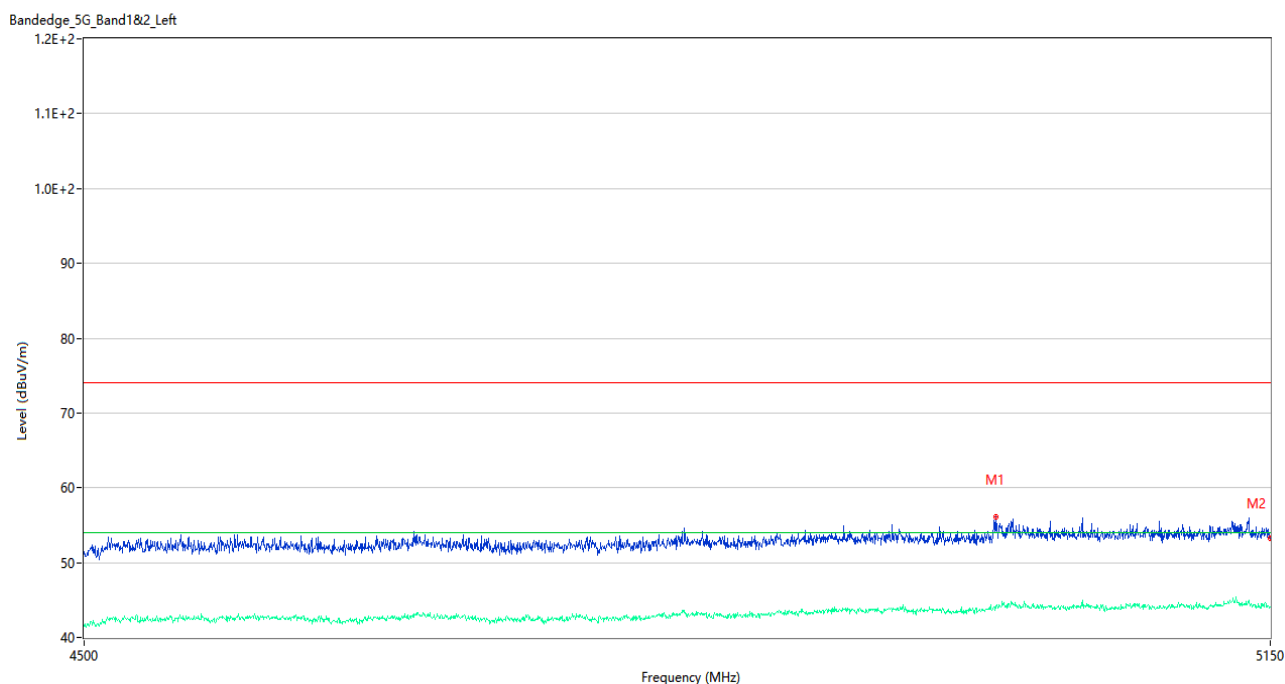
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5002.125	56.47	2.73	74.0	17.53	Peak	232.00	100	Vertical	Pass
1**	5002.125	44.49	2.73	54.0	9.51	AV	232.00	100	Vertical	Pass
2	5150.000	54.26	2.86	74.0	19.74	Peak	18.00	100	Vertical	Pass
2**	5150.000	44.51	2.86	54.0	9.49	AV	18.00	100	Vertical	Pass

U-NII-2A 11ac20 High Channel



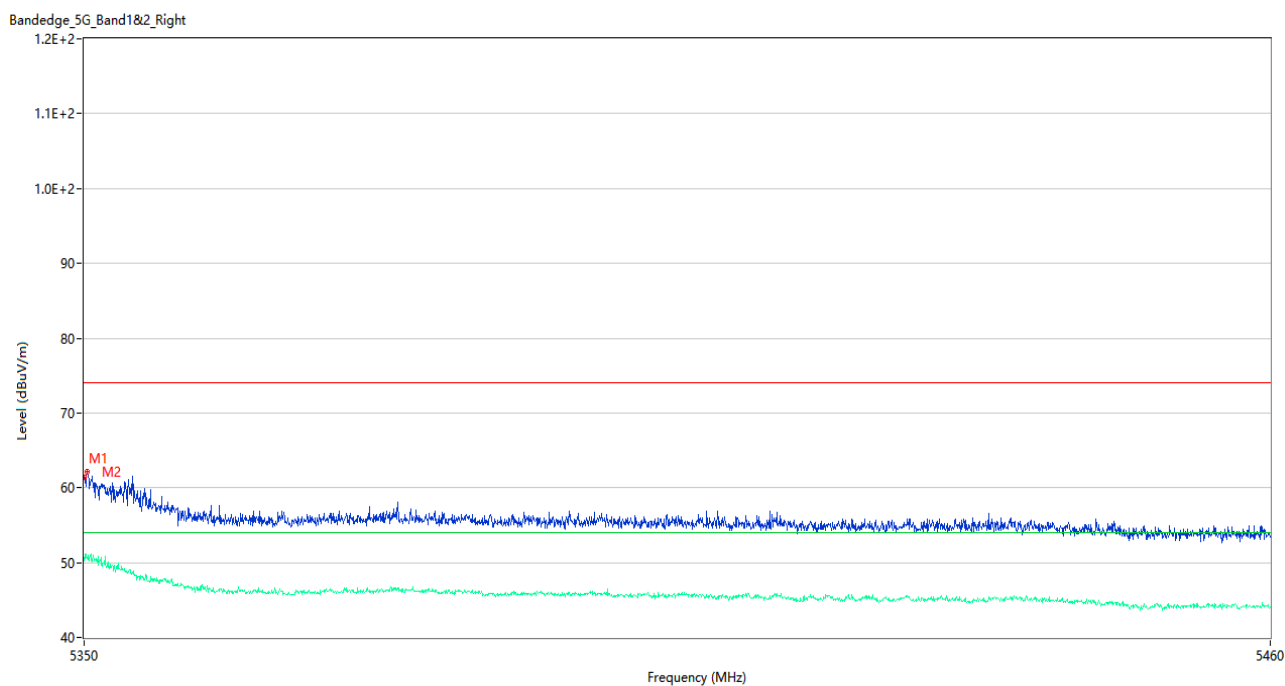
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.27	3.30	74.0	17.73	Peak	307.00	150	Vertical	Pass
1**	5350.055	46.16	3.30	54.0	7.84	AV	307.00	150	Vertical	Pass
2	5354.565	57.70	2.97	74.0	16.30	Peak	49.00	150	Vertical	Pass
2**	5354.565	46.20	2.97	54.0	7.80	AV	49.00	150	Vertical	Pass

U-NII-2A 11ac40 Low Channel



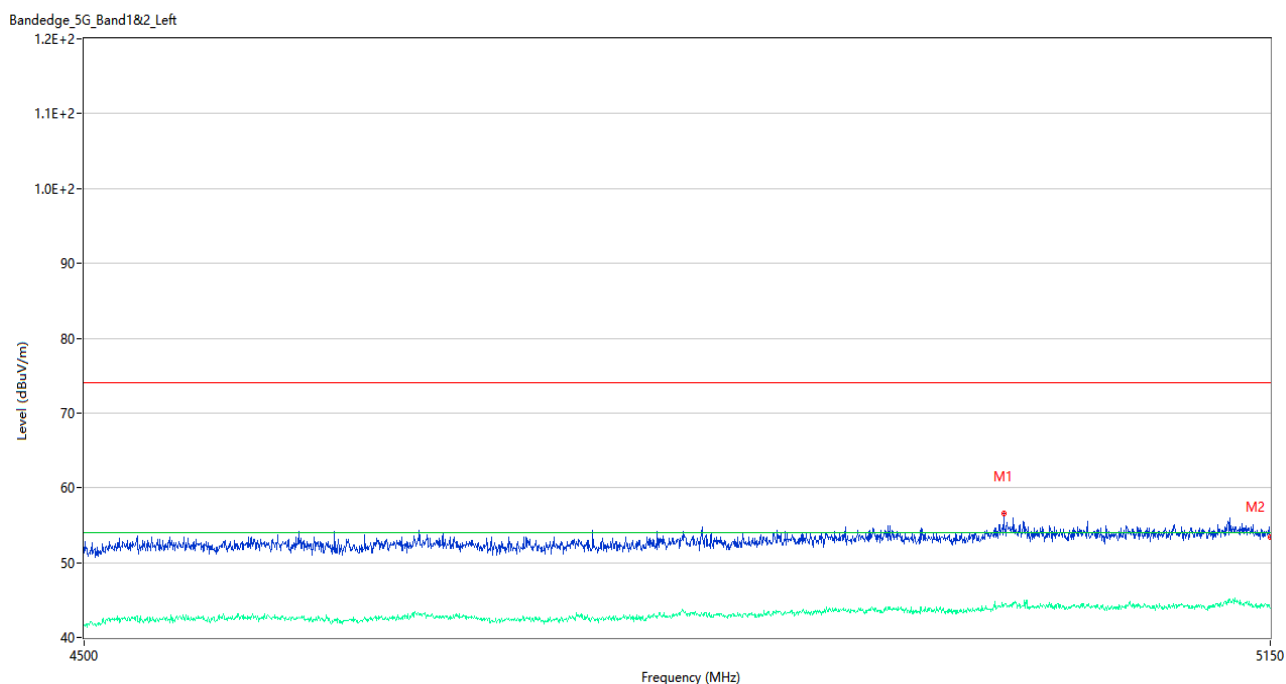
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4992.050	56.11	2.62	74.0	17.89	Peak	234.00	100	Vertical	Pass
1**	4992.050	44.16	2.62	54.0	9.84	AV	234.00	100	Vertical	Pass
2	5150.000	53.23	2.86	74.0	20.77	Peak	288.00	100	Vertical	Pass
2**	5150.000	44.06	2.86	54.0	9.94	AV	288.00	100	Vertical	Pass

U-NII-2A 11ac40 High Channel



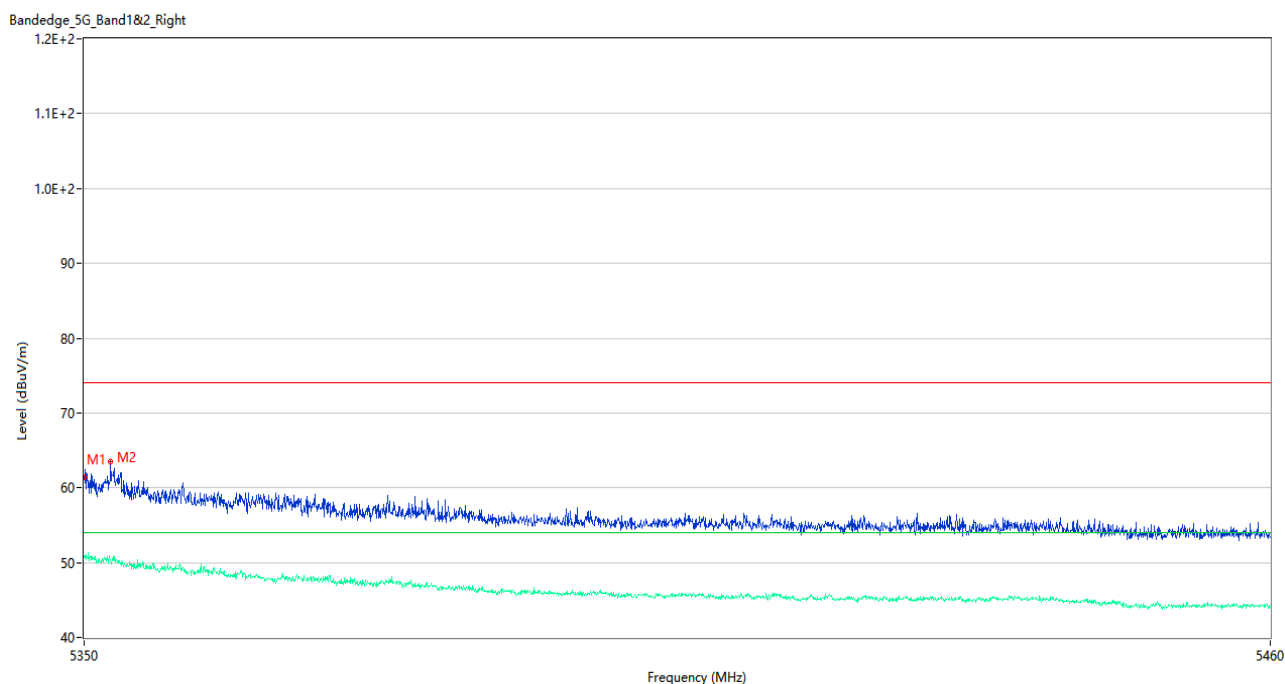
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.43	3.32	74.0	12.57	Peak	54.00	150	Vertical	Pass
1**	5350.000	50.31	3.32	54.0	3.69	AV	54.00	150	Vertical	Pass
2	5350.275	62.19	3.20	74.0	11.81	Peak	57.00	100	Vertical	Pass
2**	5350.275	50.55	3.20	54.0	3.45	AV	57.00	100	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



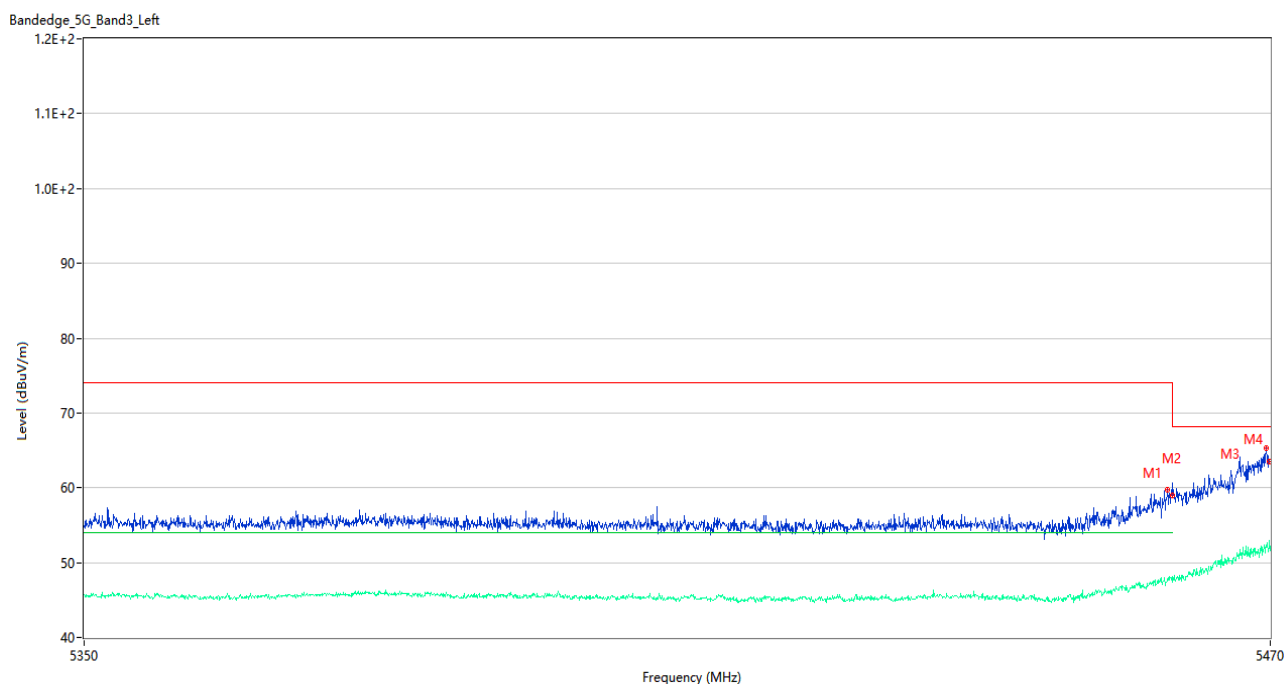
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4996.275	56.58	2.62	74.0	17.42	Peak	234.00	150	Vertical	Pass
1**	4996.275	44.18	2.62	54.0	9.82	AV	234.00	150	Vertical	Pass
2	5150.000	53.45	2.86	74.0	20.55	Peak	288.00	200	Vertical	Pass
2**	5150.000	43.98	2.86	54.0	10.02	AV	288.00	200	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



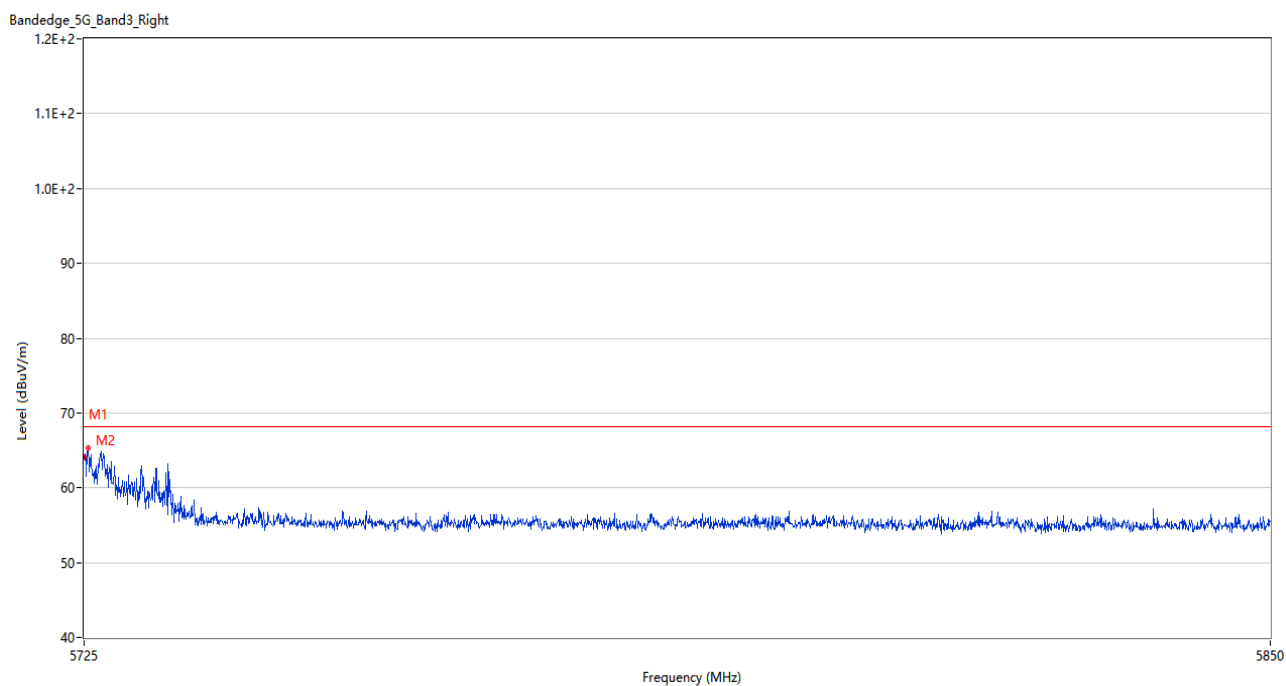
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.45	3.32	74.0	12.55	Peak	52.00	200	Vertical	Pass
1**	5350.000	50.75	3.32	54.0	3.25	AV	52.00	200	Vertical	Pass
2	5352.420	63.45	3.10	74.0	10.55	Peak	56.00	100	Vertical	Pass
2**	5352.420	50.22	3.10	54.0	3.78	AV	56.00	100	Vertical	Pass

U-NII-2C 11a Low Channel



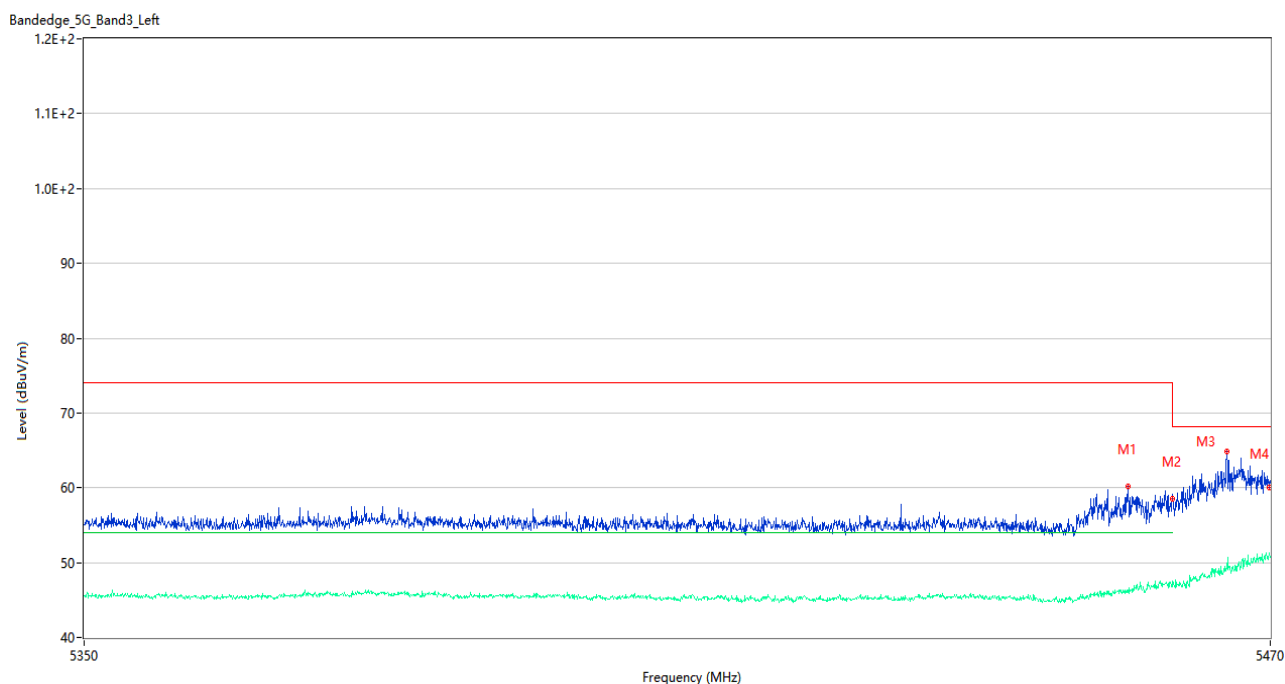
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.500	59.74	3.60	74.0	14.26	Peak	95.00	150	Vertical	Pass
1**	5459.500	47.79	3.60	54.0	6.21	AV	95.00	150	Vertical	Pass
2	5459.980	58.99	3.49	74.0	15.01	Peak	111.00	100	Vertical	Pass
2**	5459.980	47.33	3.49	54.0	6.67	AV	111.00	100	Vertical	Pass
3	5469.580	65.11	3.29	68.2	3.09	Peak	92.00	100	Vertical	Pass
3**	5469.580	52.01	3.29	--	--	AV	92.00	100	Vertical	N/A
4	5469.940	63.58	3.29	68.2	4.62	Peak	88.00	100	Vertical	Pass
4**	5469.940	52.98	3.29	--	--	AV	88.00	100	Vertical	N/A

U-NII-2C 11a High Channel



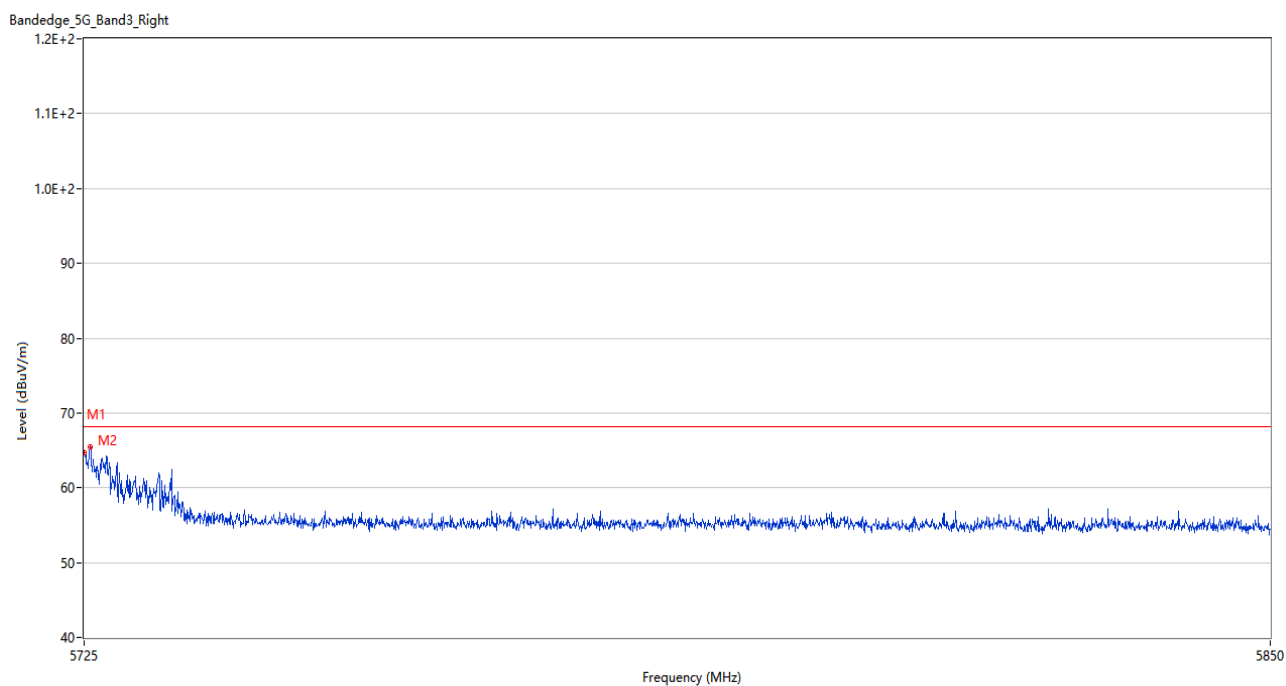
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.07	3.51	68.2	4.13	Peak	325.00	100	Vertical	Pass
2	5725.375	65.14	3.34	68.2	3.06	Peak	322.00	150	Vertical	Pass

U-NII-2C 11n20 Low Channel



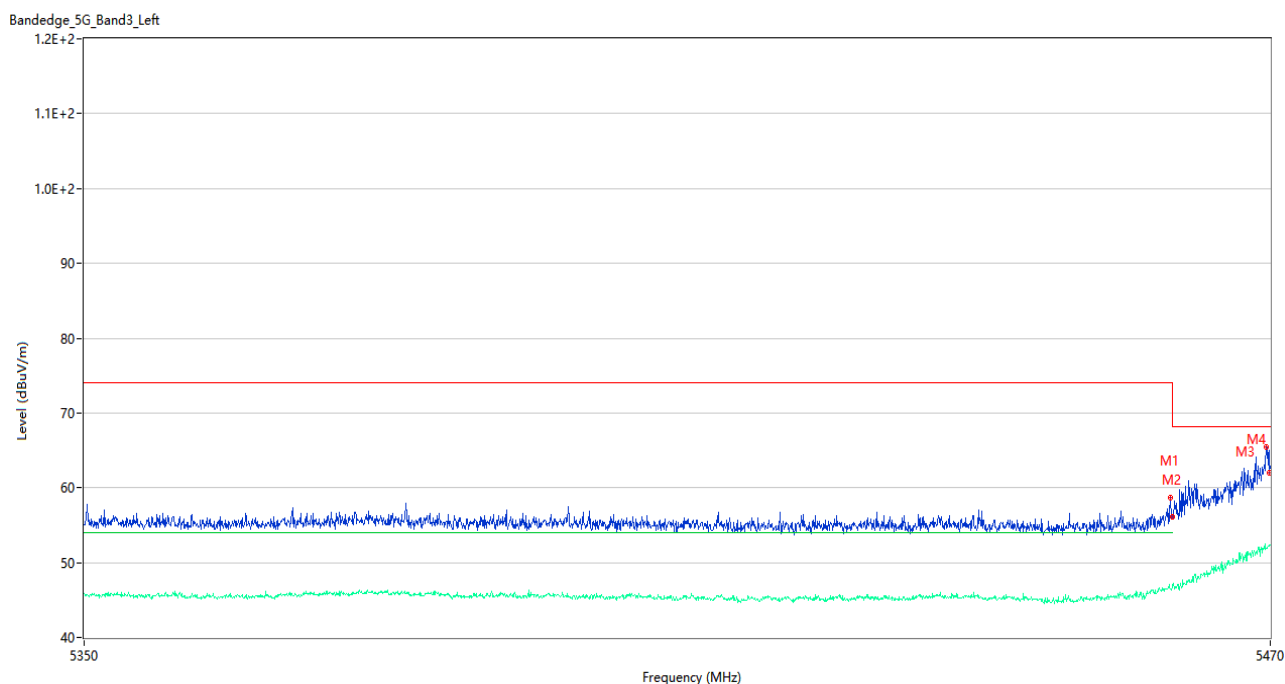
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.480	60.16	3.30	74.0	13.84	Peak	98.00	200	Vertical	Pass
1**	5455.480	45.97	3.30	54.0	8.03	AV	98.00	200	Vertical	Pass
2	5459.980	58.55	3.49	74.0	15.45	Peak	98.00	200	Vertical	Pass
2**	5459.980	46.72	3.49	54.0	7.28	AV	98.00	200	Vertical	Pass
3	5465.560	64.82	3.47	68.2	3.38	Peak	93.00	150	Vertical	Pass
3**	5465.560	49.13	3.47	--	--	AV	93.00	150	Vertical	N/A
4	5469.940	60.02	3.29	68.2	8.18	Peak	101.00	200	Vertical	Pass
4**	5469.940	51.32	3.29	--	--	AV	101.00	200	Vertical	N/A

U-NII-2C 11n20 High Channel



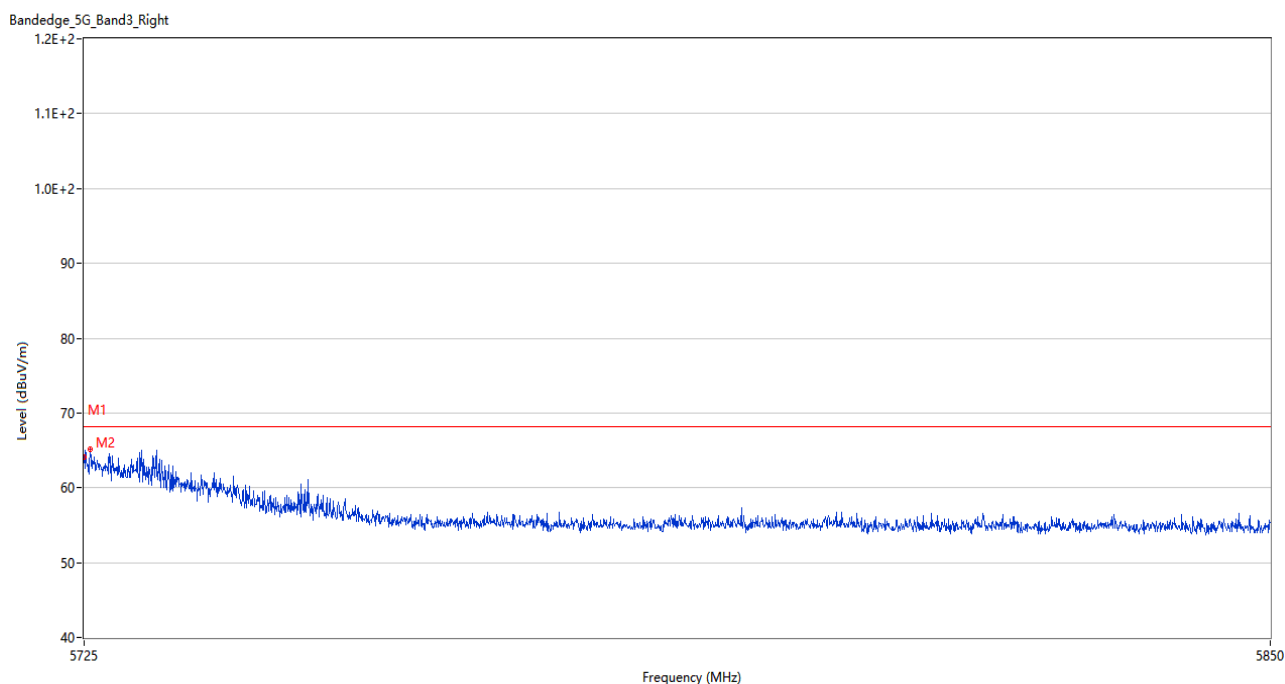
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.73	3.51	68.2	3.47	Peak	325.00	150	Vertical	Pass
2	5725.625	65.04	3.65	68.2	3.16	Peak	325.00	200	Vertical	Pass

U-NII-2C 11n40 Low Channel



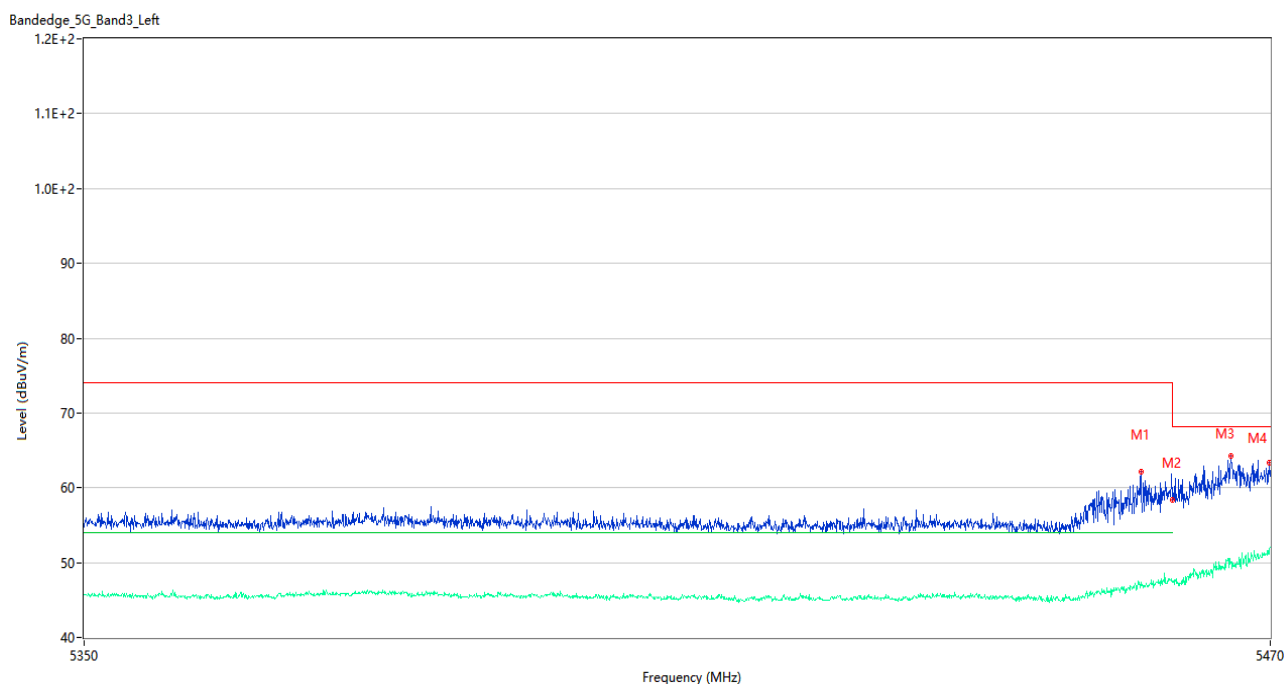
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.800	58.67	3.56	74.0	15.33	Peak	98.00	200	Vertical	Pass
1**	5459.800	46.51	3.56	54.0	7.49	AV	98.00	200	Vertical	Pass
2	5459.980	56.10	3.49	74.0	17.90	Peak	52.00	200	Vertical	Pass
2**	5459.980	46.60	3.49	54.0	7.40	AV	52.00	200	Vertical	Pass
3	5469.580	65.16	3.29	68.2	3.04	Peak	94.00	200	Vertical	Pass
3**	5469.580	51.92	3.29	--	--	AV	94.00	200	Vertical	N/A
4	5469.940	61.98	3.29	68.2	6.22	Peak	113.00	150	Vertical	Pass
4**	5469.940	52.18	3.29	--	--	AV	113.00	150	Vertical	N/A

U-NII-2C 11n40 High Channel



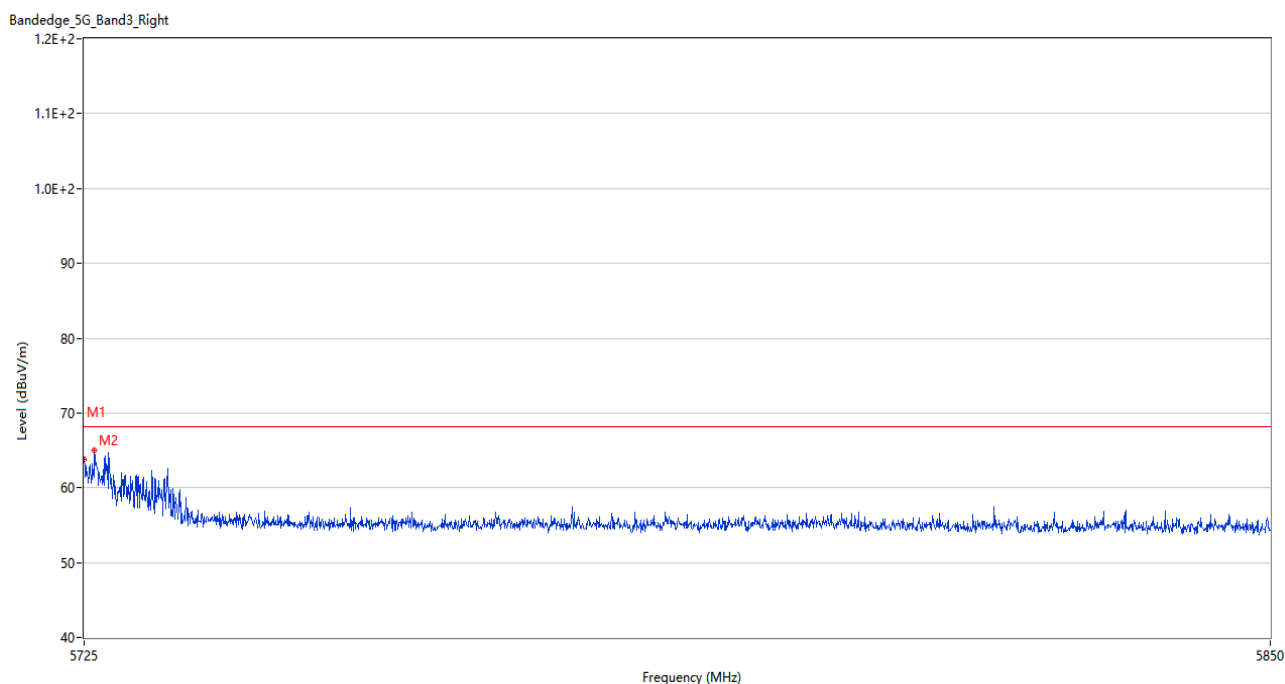
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.08	3.51	68.2	4.12	Peak	322.00	150	Vertical	Pass
2	5725.625	65.19	3.65	68.2	3.01	Peak	325.00	100	Vertical	Pass

U-NII-2C 11ac20 Low Channel



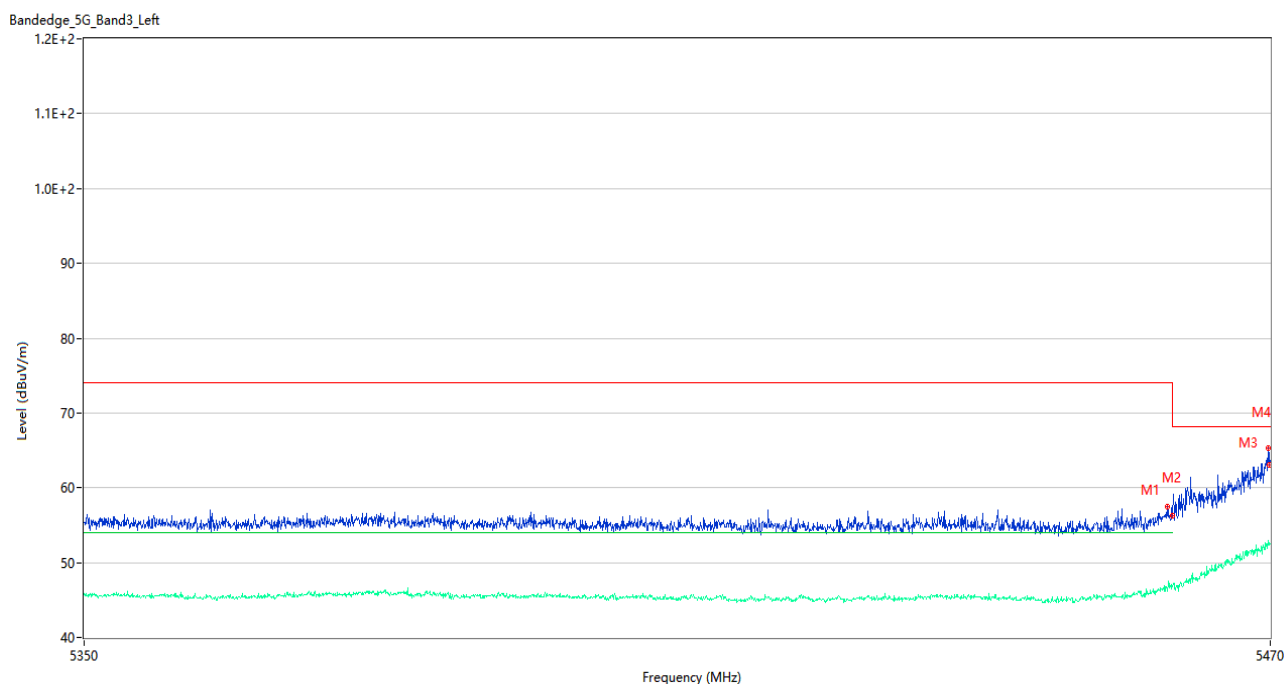
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.800	62.07	3.51	74.0	11.93	Peak	100.00	150	Vertical	Pass
1**	5456.800	47.14	3.51	54.0	6.86	AV	100.00	150	Vertical	Pass
2	5459.980	58.32	3.49	74.0	15.68	Peak	100.00	100	Vertical	Pass
2**	5459.980	47.45	3.49	54.0	6.55	AV	100.00	100	Vertical	Pass
3	5465.980	64.32	3.17	68.2	3.88	Peak	93.00	150	Vertical	Pass
3**	5465.980	49.93	3.17	--	--	AV	93.00	150	Vertical	N/A
4	5469.940	63.34	3.29	68.2	4.86	Peak	93.00	150	Vertical	Pass
4**	5469.940	51.72	3.29	--	--	AV	93.00	150	Vertical	N/A

U-NII-2C 11ac20 High Channel



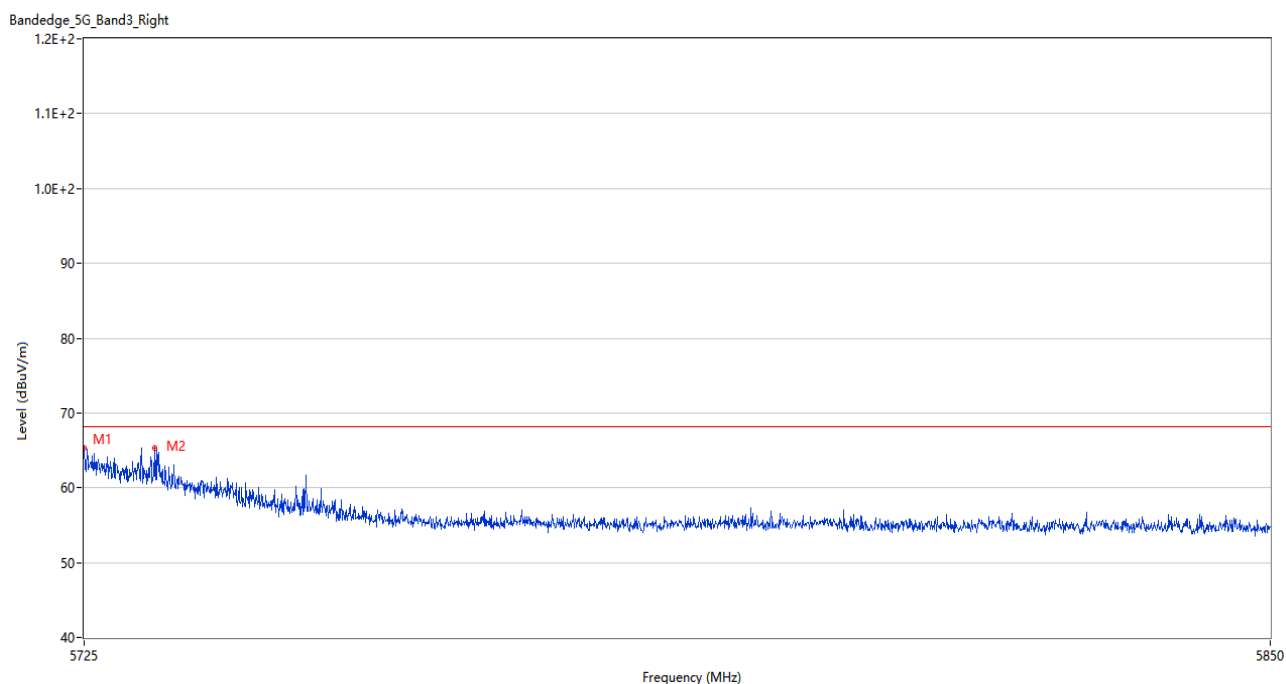
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	63.74	3.51	68.2	4.46	Peak	322.00	200	Vertical	Pass
2	5726.063	65.08	3.59	68.2	3.12	Peak	322.00	150	Vertical	Pass

U-NII-2C 11ac40 Low Channel



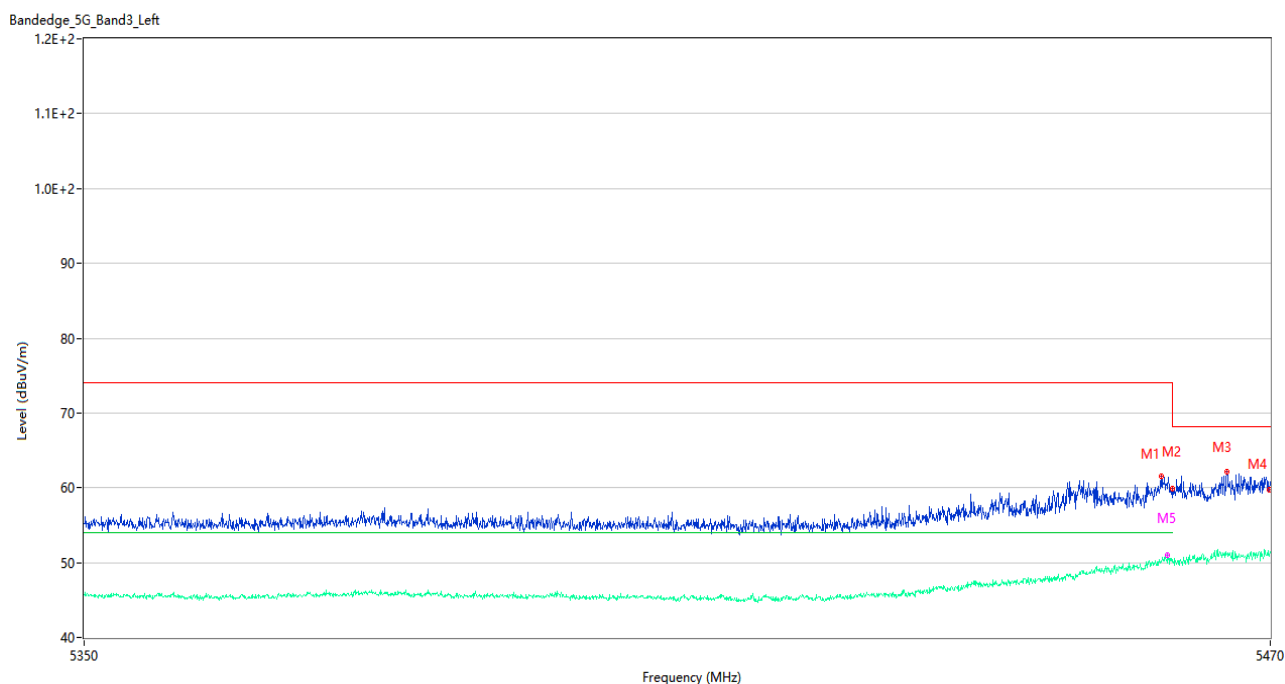
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.440	57.43	3.59	74.0	16.57	Peak	90.00	100	Vertical	Pass
1**	5459.440	46.68	3.59	54.0	7.32	AV	90.00	100	Vertical	Pass
2	5459.980	56.33	3.49	74.0	17.67	Peak	323.00	150	Vertical	Pass
2**	5459.980	46.84	3.49	54.0	7.16	AV	323.00	150	Vertical	Pass
3	5469.760	65.18	3.28	68.2	3.02	Peak	93.00	100	Vertical	Pass
3**	5469.760	52.30	3.28	--	--	AV	93.00	100	Vertical	N/A
4	5469.940	63.10	3.29	68.2	5.10	Peak	90.00	150	Vertical	Pass
4**	5469.940	52.31	3.29	--	--	AV	90.00	150	Vertical	N/A

U-NII-2C 11ac40 High Channel



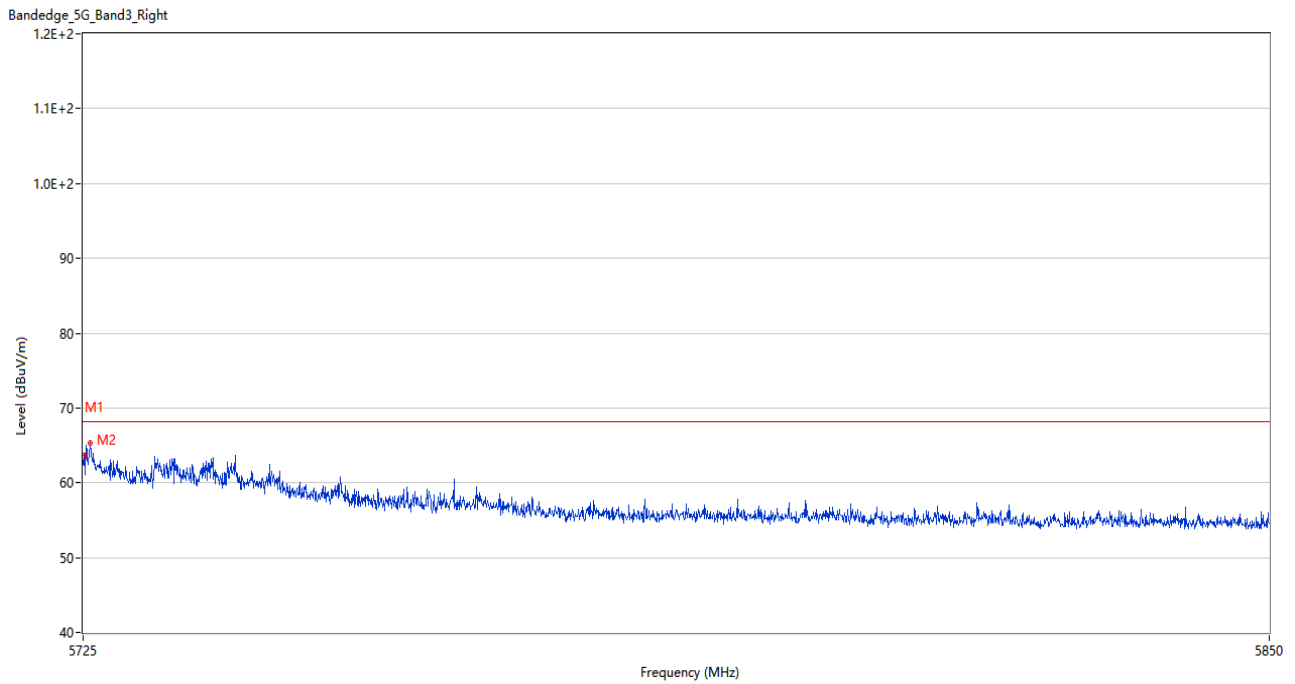
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.12	3.51	68.2	3.08	Peak	316.00	150	Vertical	Pass
2	5732.313	65.17	3.68	68.2	3.03	Peak	323.00	200	Vertical	Pass

U-NII-2C 11ac80 Low Channel



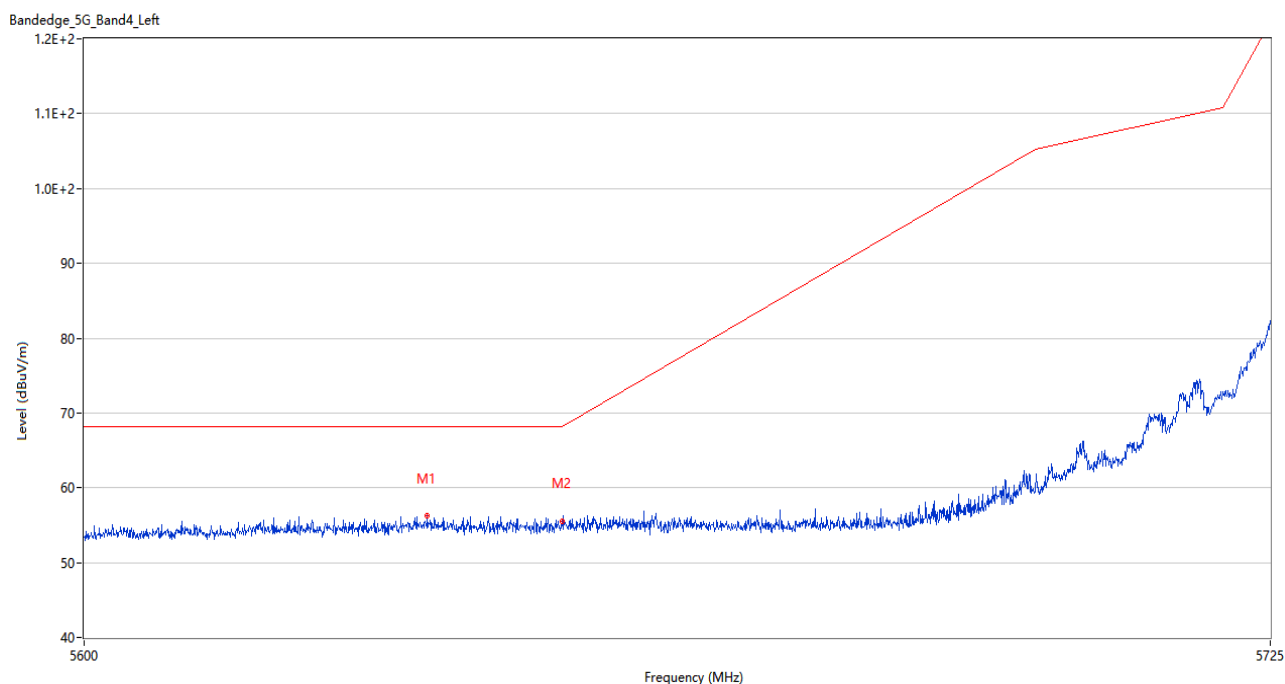
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.900	61.60	3.56	74.0	12.40	Peak	95.00	200	Vertical	Pass
1**	5458.900	50.09	3.56	54.0	3.91	AV	95.00	200	Vertical	Pass
2	5459.980	59.92	3.49	74.0	14.08	Peak	89.00	200	Vertical	Pass
2**	5459.980	50.34	3.49	54.0	3.66	AV	89.00	200	Vertical	Pass
3	5465.560	62.11	3.47	68.2	6.09	Peak	92.00	200	Vertical	Pass
3**	5465.560	51.13	3.47	--	--	AV	92.00	200	Vertical	N/A
4	5469.940	59.72	3.29	68.2	8.48	Peak	95.00	100	Vertical	Pass
4**	5469.940	50.92	3.29	--	--	AV	95.00	100	Vertical	N/A
5	5459.500	59.90	3.60	74.0	14.10	Peak	89.00	100	Vertical	Pass
5**	5459.500	50.94	3.60	54.0	3.06	AV	89.00	100	Vertical	Pass

U-NII-2C 11ac80 High Channel



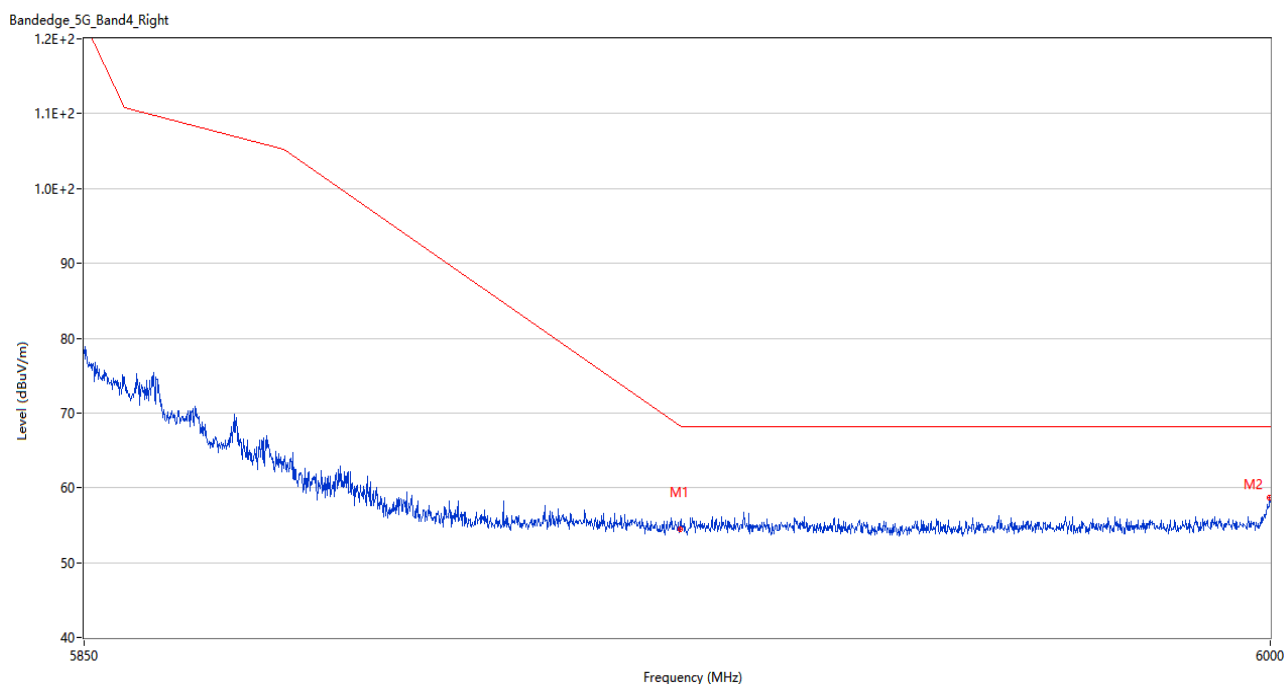
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	63.70	3.44	68.2	4.50	Peak	91.00	200	Vertical	Pass
2	5725.750	65.18	3.71	68.2	3.02	Peak	58.00	150	Vertical	Pass

U-NII-3 11a Low Channel



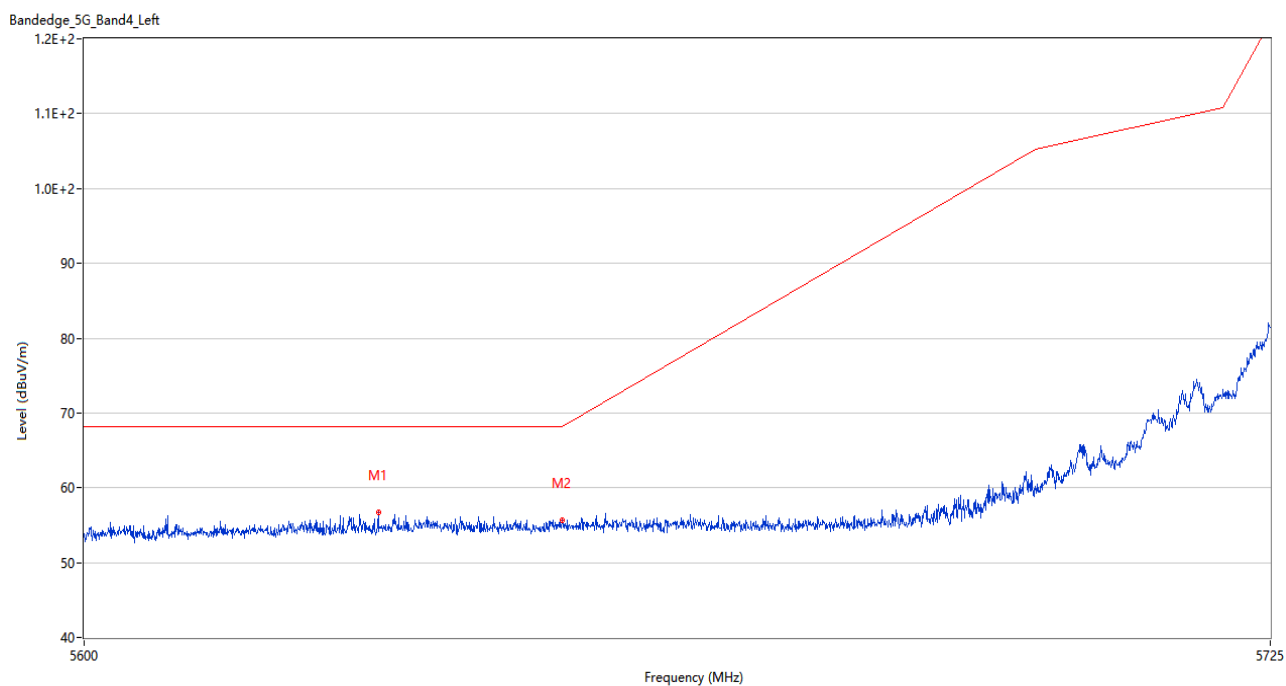
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.875	56.31	3.80	68.2	11.89	Peak	15.00	200	Vertical	Pass
2	5650.000	55.57	3.72	68.2	12.63	Peak	123.00	150	Vertical	Pass

U-NII-3 11a High Channel



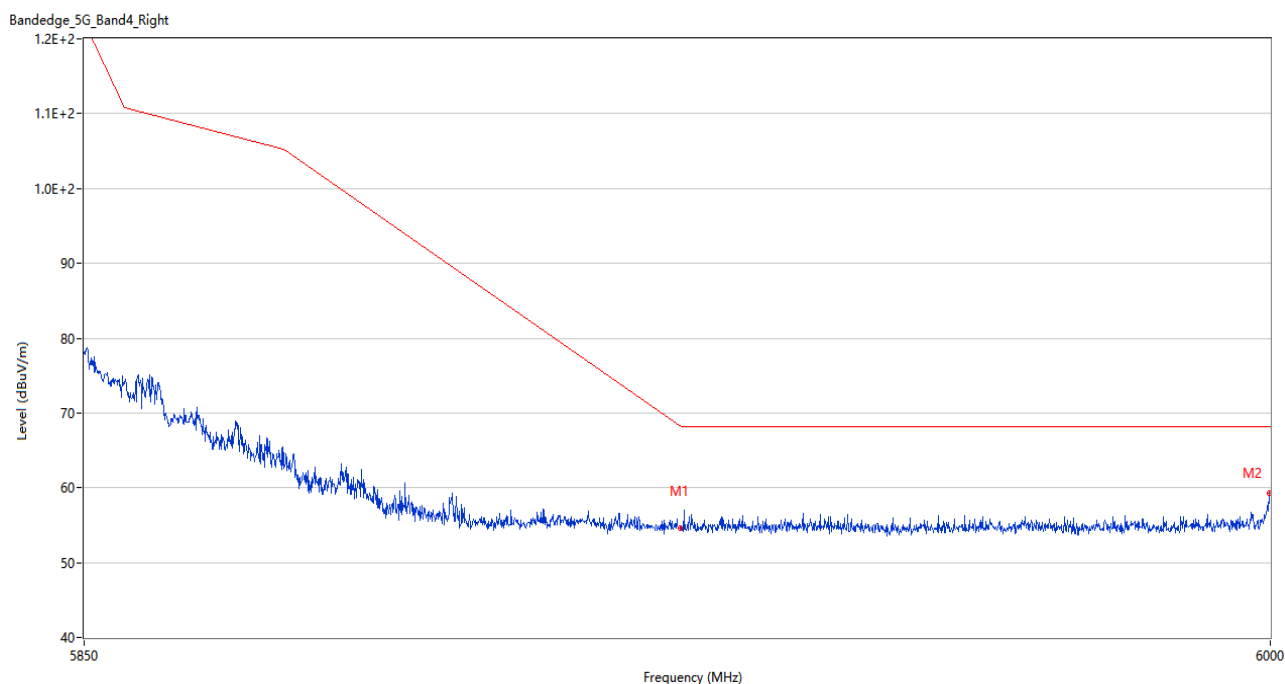
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.48	3.42	68.3	13.82	Peak	225.00	200	Vertical	Pass
2	5999.925	58.66	4.71	68.2	9.54	Peak	194.00	200	Vertical	Pass

U-NII-3 11n20 Low Channel



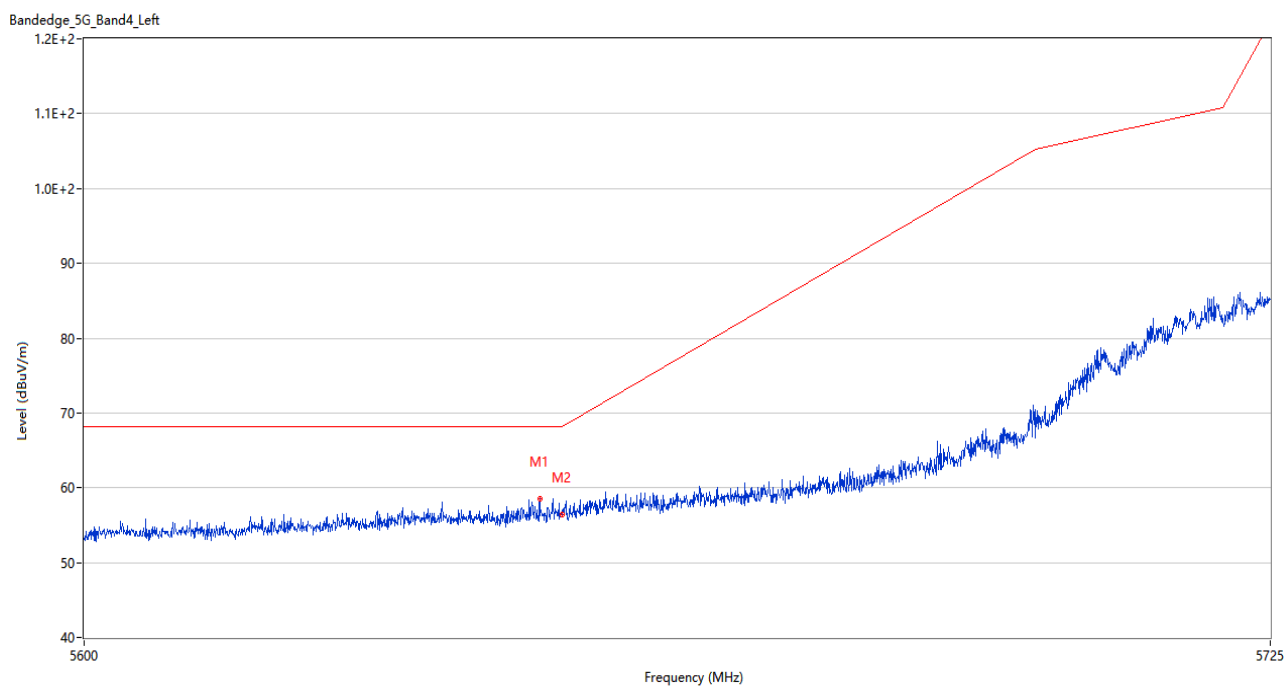
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5630.750	56.72	3.46	68.2	11.48	Peak	167.00	150	Vertical	Pass
2	5650.000	55.65	3.72	68.2	12.55	Peak	81.00	200	Vertical	Pass

U-NII-3 11n20 High Channel



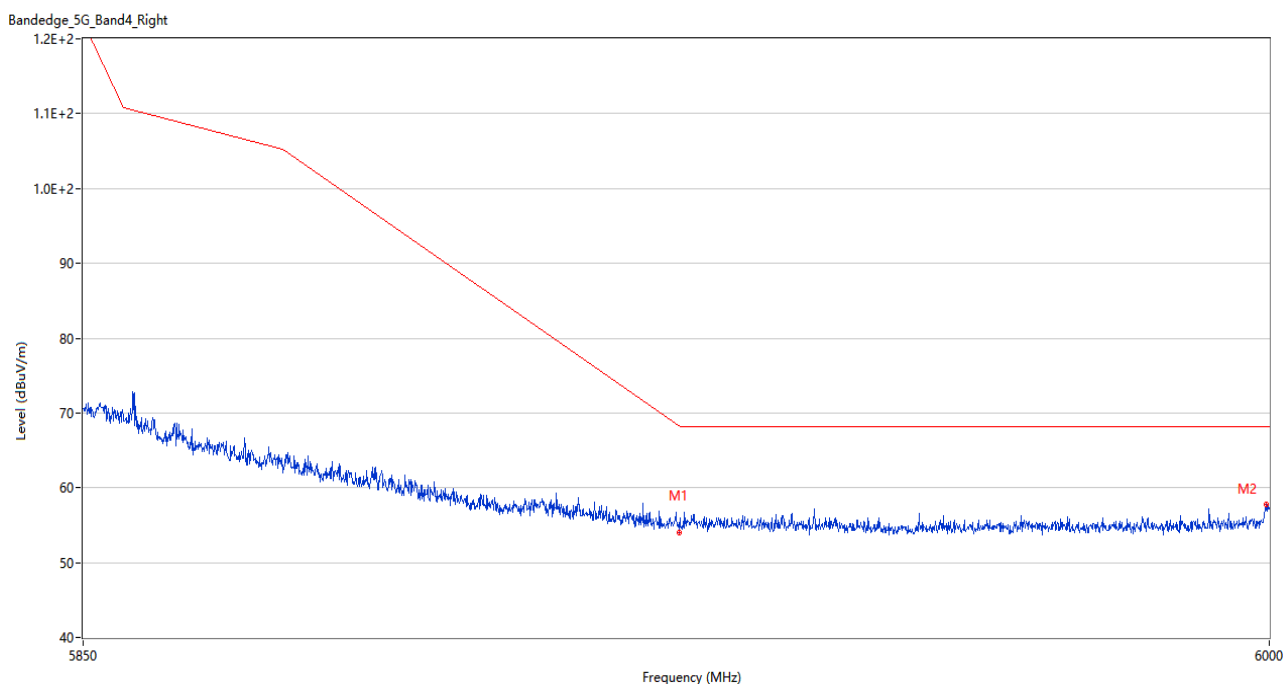
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.58	3.42	68.3	13.72	Peak	72.00	100	Vertical	Pass
2	5999.925	59.28	4.71	68.2	8.92	Peak	195.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel



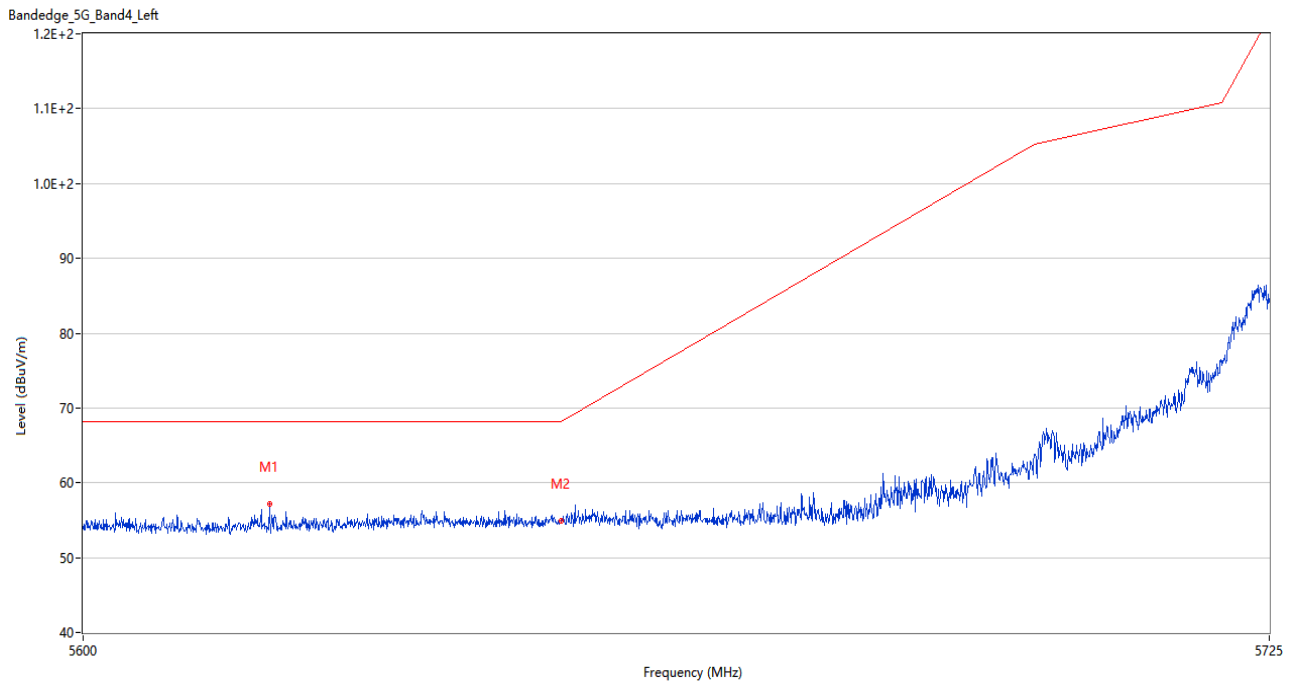
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.688	58.50	3.33	68.2	9.70	Peak	96.00	100	Vertical	Pass
2	5650.000	56.42	3.72	68.2	11.78	Peak	86.00	100	Vertical	Pass

U-NII-3 11n40 High Channel



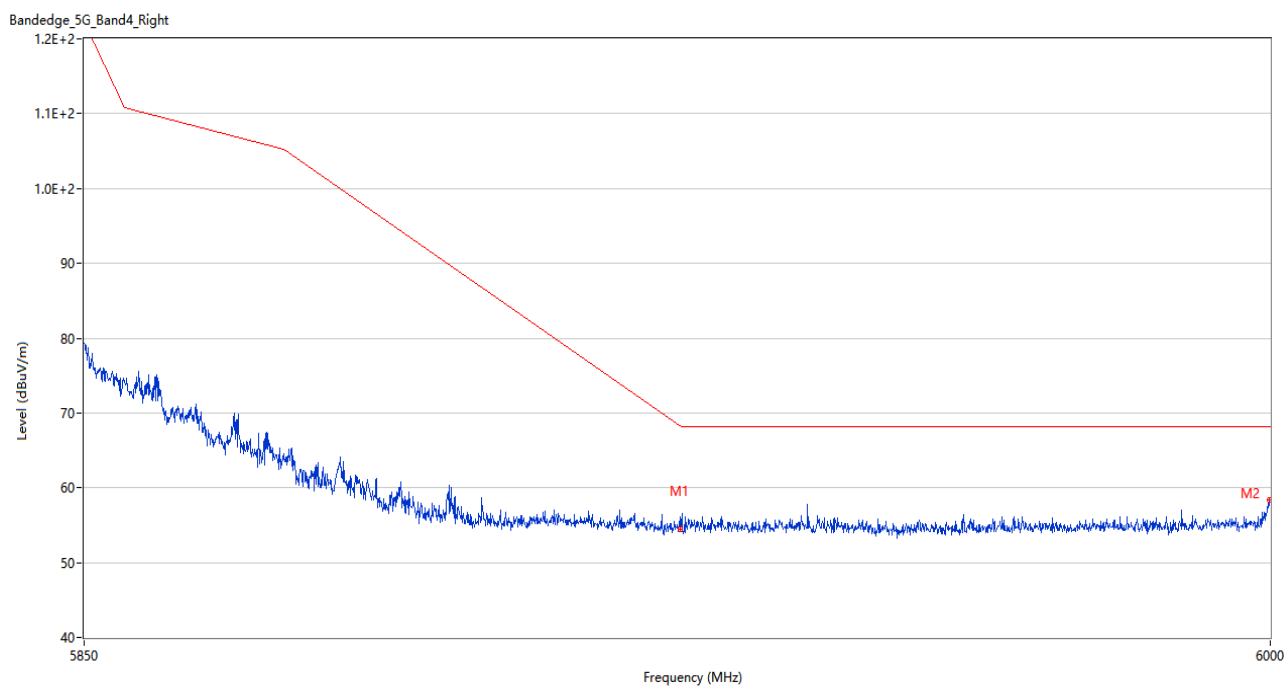
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.04	3.42	68.3	14.26	Peak	294.00	150	Vertical	Pass
2	5999.550	57.79	4.78	68.2	10.41	Peak	189.00	100	Vertical	Pass

U-NII-3 11ac20 Low Channel



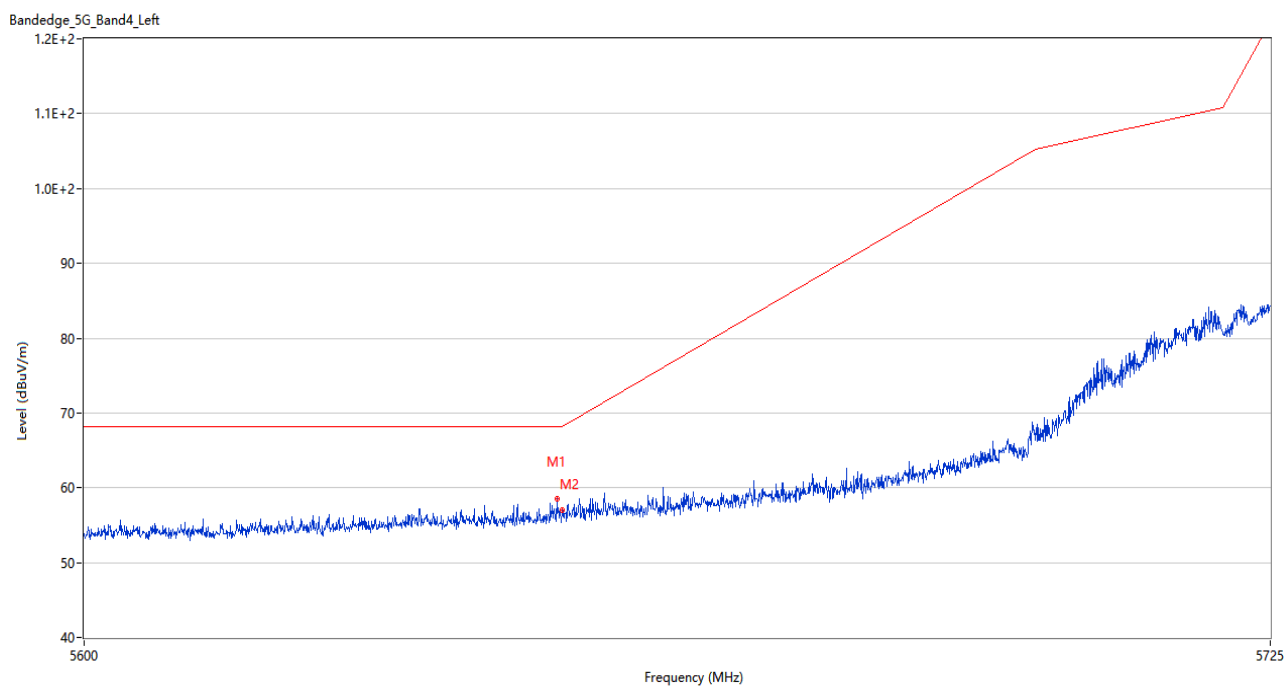
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5619.438	57.11	3.19	68.2	11.09	Peak	360.00	200	Vertical	Pass
2	5650.000	54.86	3.72	68.2	13.34	Peak	340.00	150	Vertical	Pass

U-NII-3 11ac20 High Channel



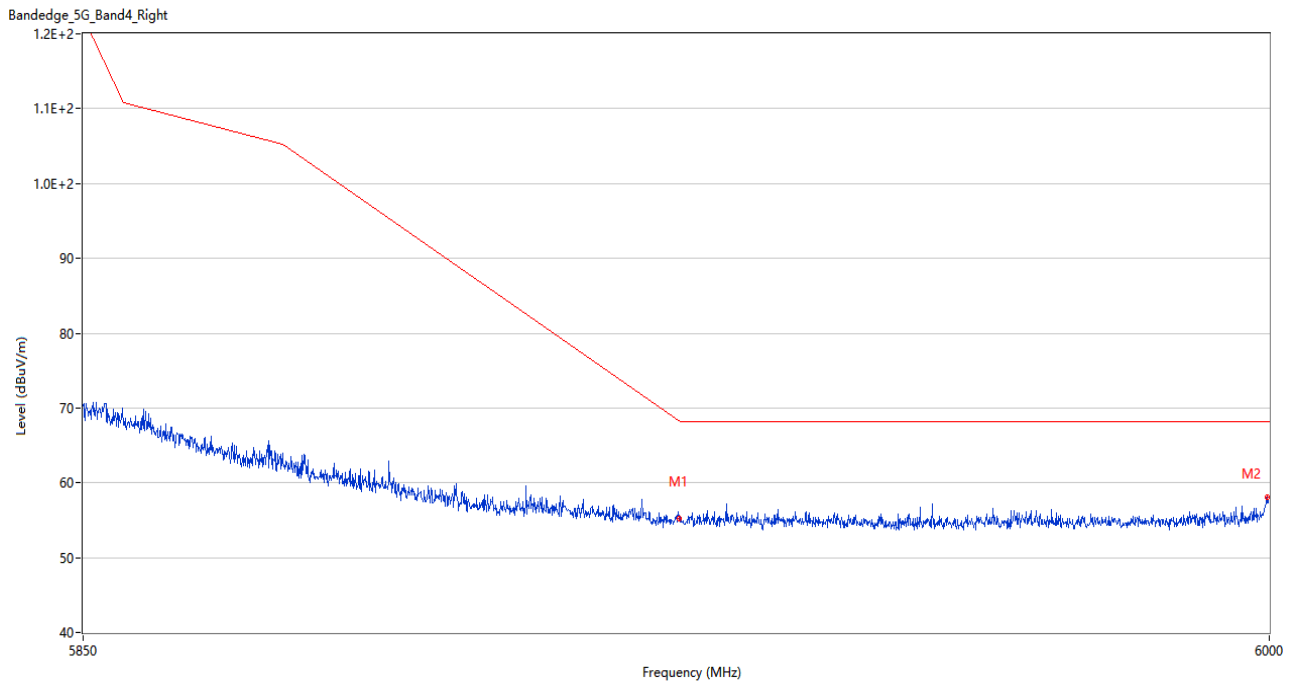
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.51	3.42	68.3	13.79	Peak	16.00	150	Vertical	Pass
2	5999.925	58.43	4.71	68.2	9.77	Peak	191.00	100	Vertical	Pass

U-NII-3 11ac40 Low Channel



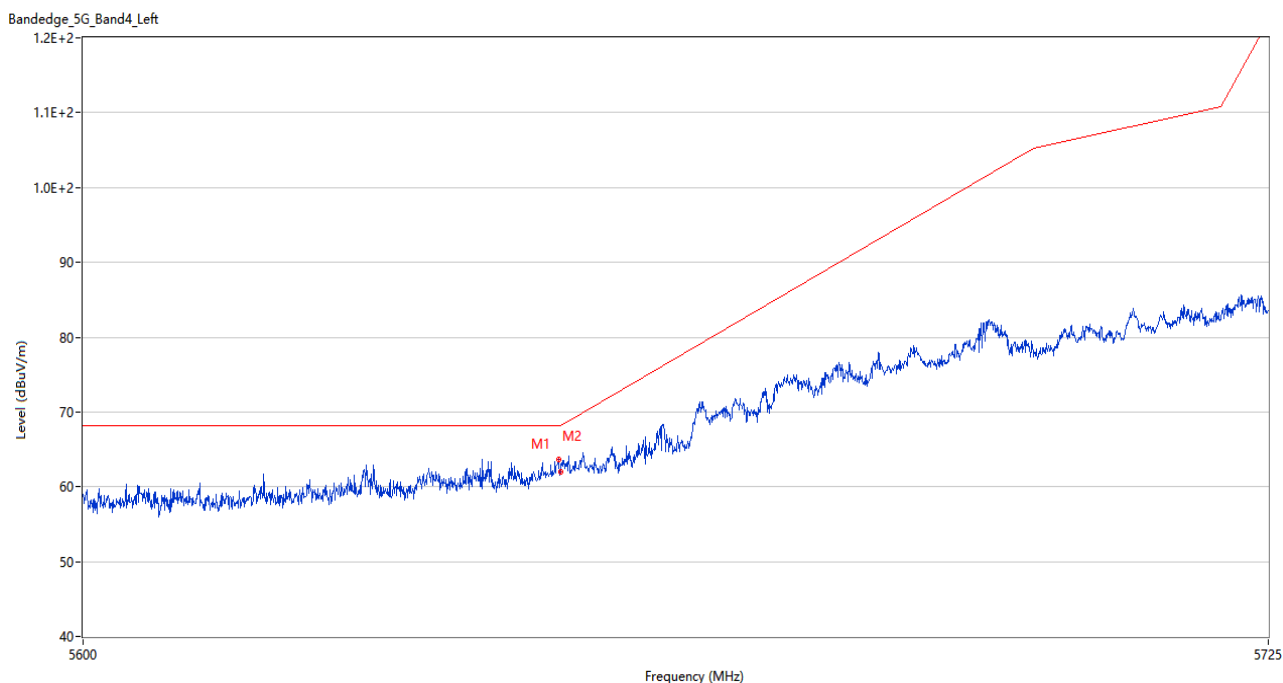
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.500	58.50	3.49	68.2	9.70	Peak	93.00	200	Vertical	Pass
2	5650.000	57.07	3.72	68.2	11.13	Peak	103.00	100	Vertical	Pass

U-NII-3 11ac40 High Channel



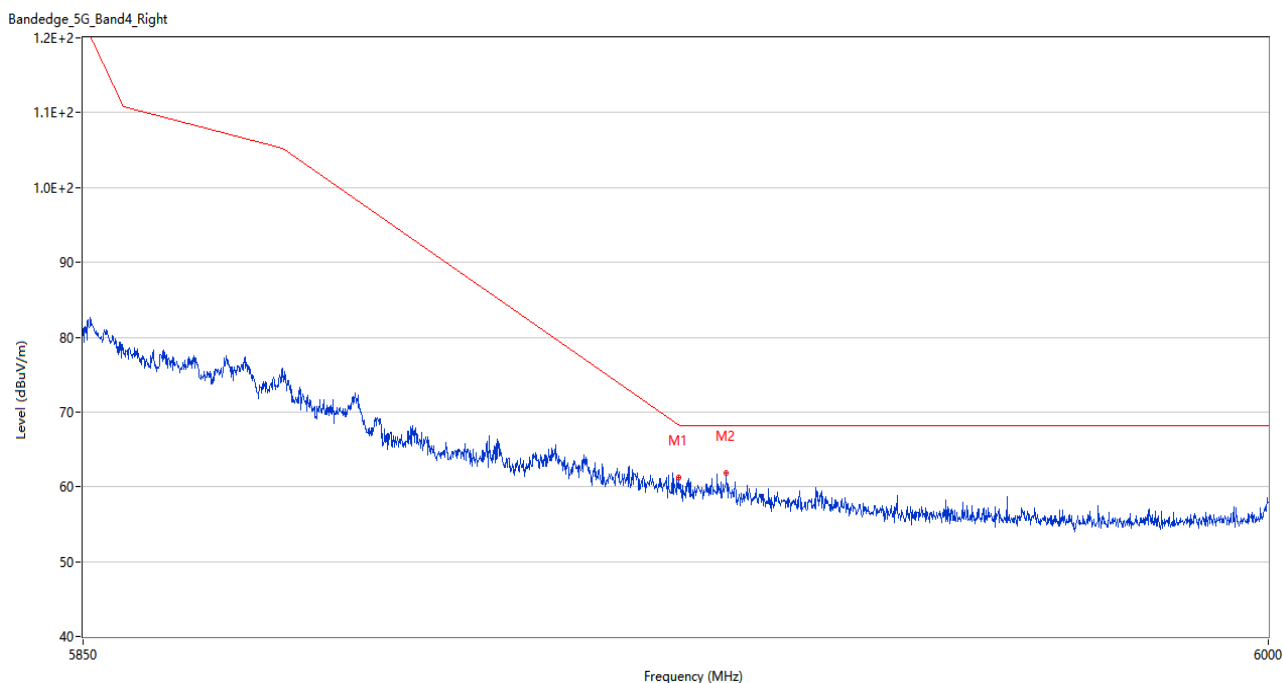
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.14	3.42	68.3	13.16	Peak	337.00	200	Vertical	Pass
2	5999.700	58.09	4.71	68.2	10.11	Peak	225.00	150	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.812	63.63	3.57	68.2	4.57	Peak	95.00	100	Vertical	Pass
2	5650.000	62.02	3.72	68.2	6.18	Peak	95.00	100	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	61.26	3.42	68.3	7.04	Peak	60.00	150	Vertical	Pass
2	5930.925	61.85	3.61	68.2	6.35	Peak	60.00	100	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2411300-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2411300-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2411300-AI.PDF”.

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