TEST REPORT

Applicant:	Lunar USA Inc.
Address:	1721 W Plano Parkway, Suite 128, Plano, TX 75075
Equipment Type:	Lunar Eclipse L1
Model Name:	Eclipse L1
Brand Name:	Lunar Eclipse L1
FCC ID:	2A5SE-ECLIPSE-L1
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Apr. 30, 2024
Test Date:	May 13, 2024 – Jun. 03, 2024
Date of Issue:	Jul. 26, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Si Xiao **Checked by:** Ye Hongji **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Jul. 26, 2024	Initial Issue

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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	Lunar USA Inc.
Address	1721 W Plano Parkway, Suite 128, Plano, TX 75075

2.2 Manufacturer Information

Manufacturer	Lunar USA Inc.
Address	1721 W Plano Parkway, Suite 128, Plano, TX 75075

2.3 General Description for Equipment under Test (EUT)

EUT Name	Lunar Eclipse L1
Model Name Under Test	Eclipse L1
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	M155-MUB-V2
Software Version	R03
Dimensions (Approx.)	169mm*76.3mm*8.8mm
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/12/17/25/26/66/71 LTE TDD Band 41 LTE CA Uplink (UL): CA_5B, CA_41C, CA_66B, CA_66C LTE Downlink (DL): CA_2B,CA_2C, CA_4B, CA_4C, CA_5B, CA_12B, CA_41C, CA_66B, CA_66C, CA_71B, CA_2A-2A, CA_2A-4A, CA_2A-5A, CA_2A-66A, CA_4A-4A, CA_4A-5A, CA_4A-12A, CA_5A-66A, CA_25A-25A, CA_41A-41A, CA_66A-66 5G Network SA: NR n2/n5/n25/n66/n71/n41/n77 NSA(EN-DC): DC_2A_n41A, DC_2A_n66A, DC_2A_n71A, DC_66A_25A, DC_66A_n41A, DC_66A_n71A DL(EN-DC): DC_2A_n41A, DC_2C_n41A, DC_2A_n66A, DC_2A_n71A, DC_2C_n71A, DC_66A_n25A, DC_66A_n41A, DC_66A_n71A, DC_66C_n71A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo

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: 28.58 mW U-NII-2A: 27.67 mW U-NII-2C: 34.36 mW U-NII-3: 34.83 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: -0.8 dBi U-NII-2A: 5250 MHz to 5350 MHz: -0.8 dBi U-NII-2C: 5470 MHz to 5725 MHz: -0.8 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.8 dBi
About the Product	The equipment is Lunar Eclipse L1, 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**	**138**	**5690**
56	5280	110	5550	**155**	**5775**
60	**5300**	**118**	**5590**		
64	**5320**	126	5630		
100	**5500**	**134**	**5670**		
104	5520	**142**	**5710**		
108	5540	**151**	**5755**		
112	5560	**159**	**5795**		
116	**5580**				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	**5700**				
144	**5720**				
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	144	--	5720
116	Mid	5580	149	Low	5745
140	High	5700	157	Mid	5785
144	--	5720	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	142	--	5710
118	Mid	5590	151	Low	5755
134	High	5670	159	High	5795
142	--	5710			

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	138	--	5690

122	High	5610	155	Mid	5775
138	--	5690			

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	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149/144
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155/138
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	144/140/100	165/149/144
	11n(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144

	11ac(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	50% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.7℃ to +25.1℃
	LT (Low Temperature)	-10.0℃
	HT (High Temperature)	+50.0℃
Working Voltage of the EUT	NV (Normal Voltage)	3.87 V
	LV (Low Voltage)	3.40 V
	HV (High Voltage)	4.45 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.20	2024.05.19
				2024.05.16	2027.05.15
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-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	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

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8 m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

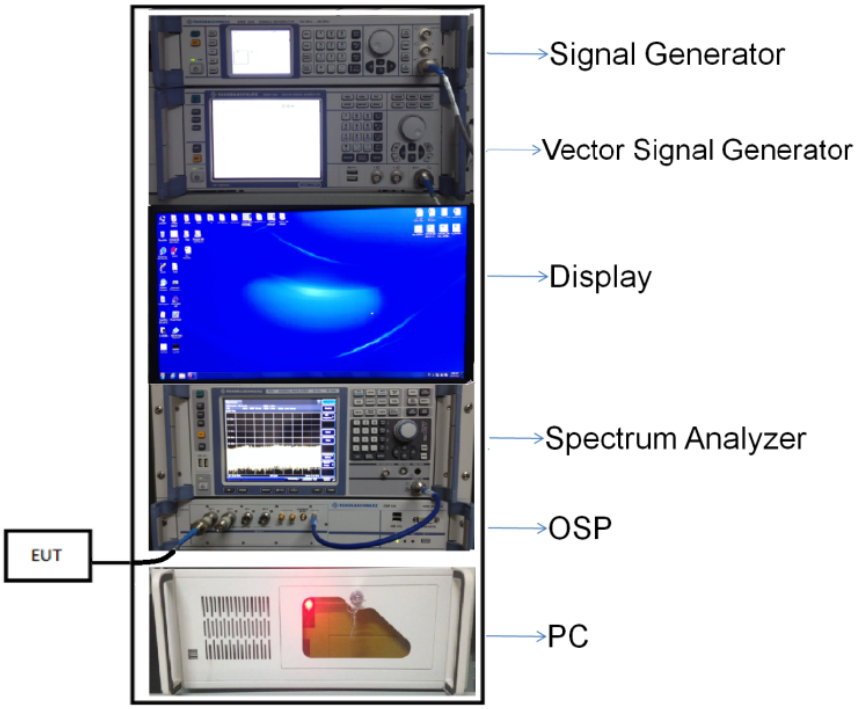
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

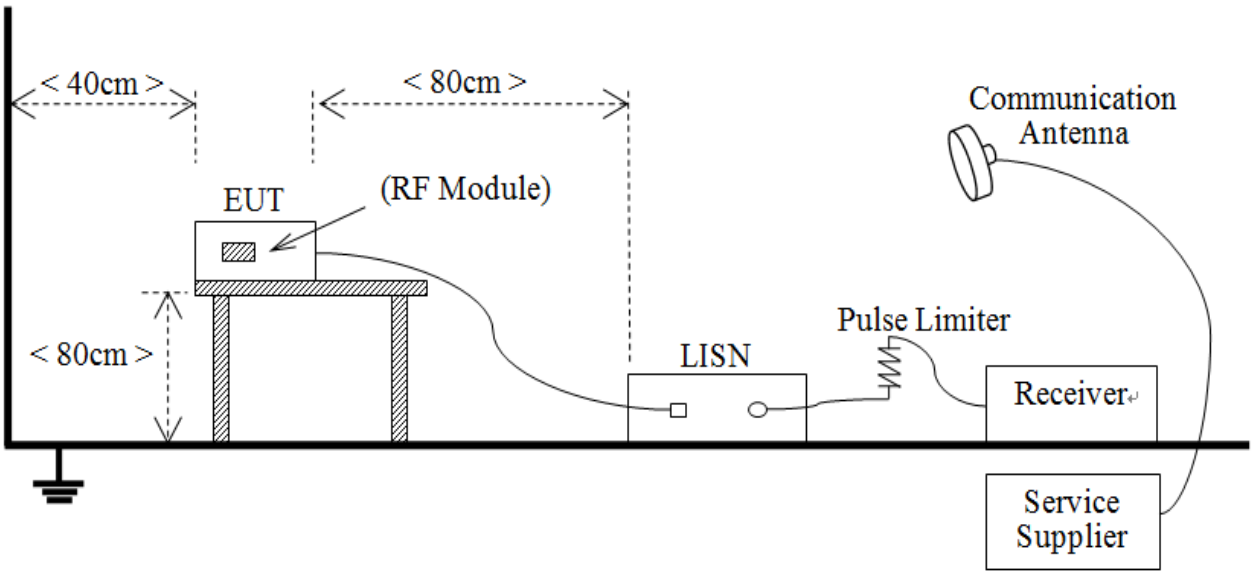
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:
Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



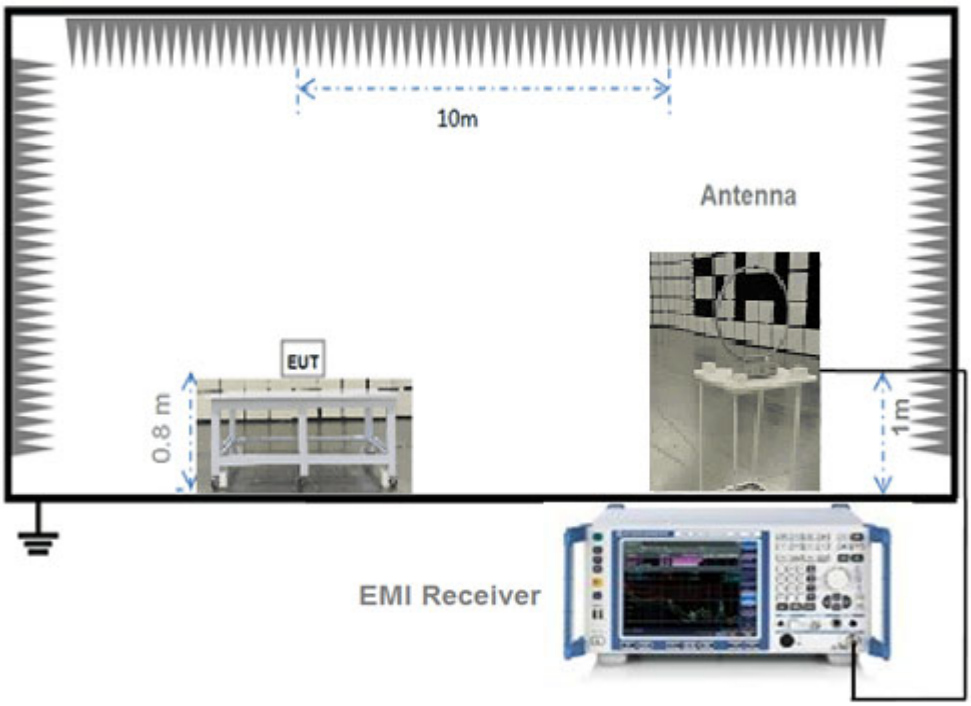
(Diagram 1)

4.5.2For AC Power Supply Port Test



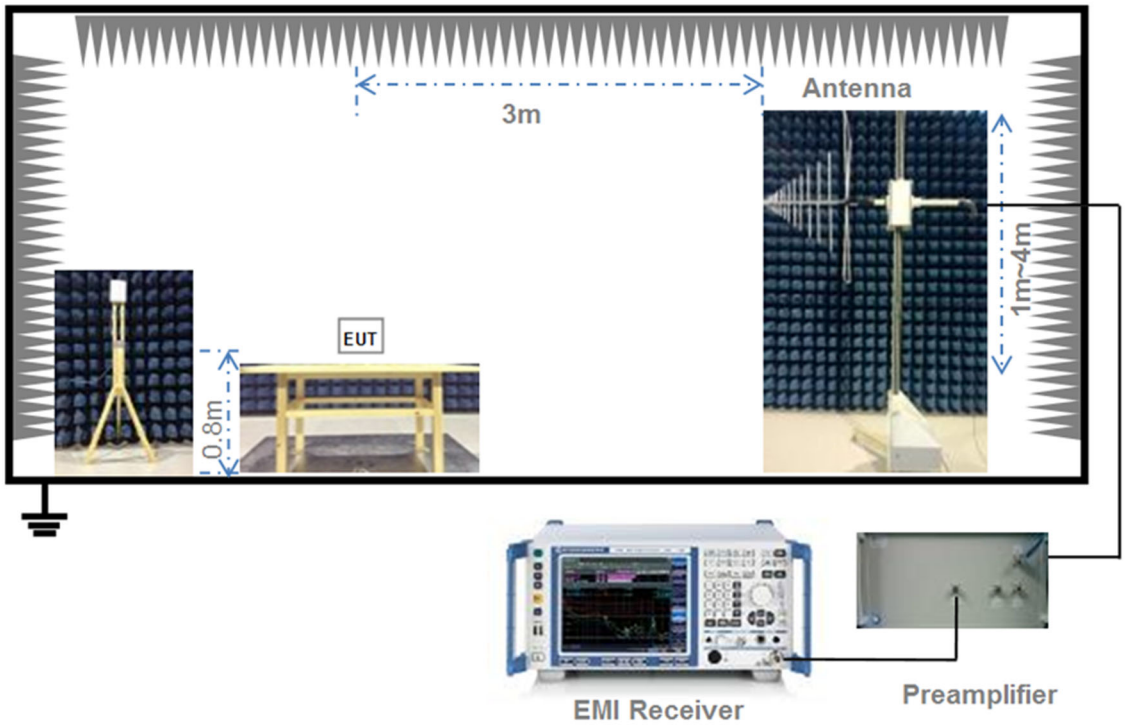
(Diagram 2)

4.5.3For Radiated Test (Below 30 MHz)



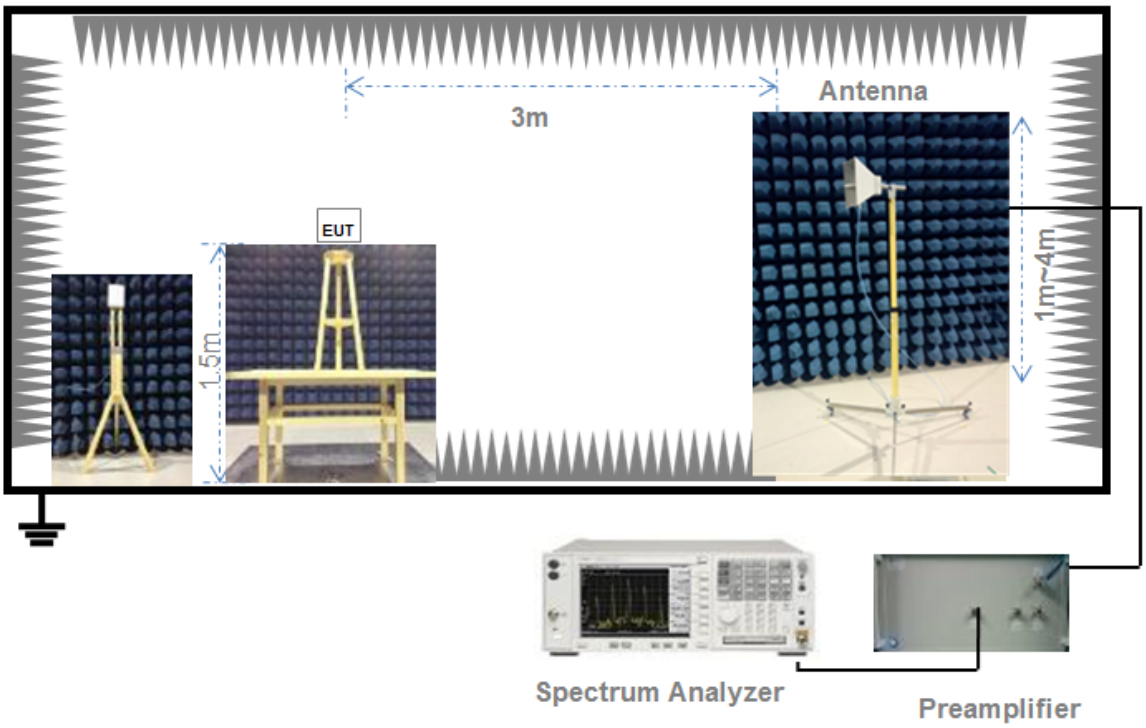
(Diagram 3)

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

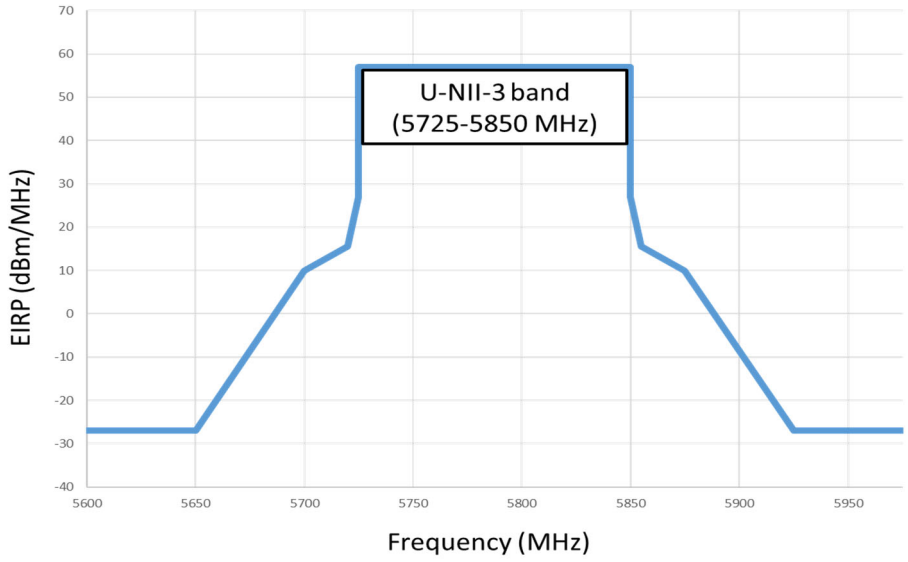
5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/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 ≥ 3 x 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 ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (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 ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.43	97.55%	0.11
11n (HT20)/11ac (VHT20)	1.31	1.35	97.10%	0.13
11n (HT40)/11ac (VHT40)	0.65	0.69	94.58%	0.24
11ac (VHT80)	0.32	0.36	90.38%	0.44

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.37	27.35	250	Pass
11a	CH44	14.43	27.73	250	Pass
11a	CH48	14.40	27.54	250	Pass
11n (HT20)	CH36	14.23	26.49	250	Pass
11n (HT20)	CH44	14.31	26.98	250	Pass
11n (HT20)	CH48	14.31	26.98	250	Pass
11n (HT40)	CH38	14.15	26.00	250	Pass
11n (HT40)	CH46	14.21	26.36	250	Pass
11ac (VHT20)	CH36	14.35	27.23	250	Pass
11ac (VHT20)	CH44	14.56	28.58	250	Pass
11ac (VHT20)	CH48	14.34	27.16	250	Pass
11ac (VHT40)	CH38	14.29	26.85	250	Pass
11ac (VHT40)	CH46	14.24	26.55	250	Pass
11ac (VHT80)	CH42	13.54	22.59	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	14.40	27.54	250	Pass
11a	CH60	14.42	27.67	250	Pass
11a	CH64	14.22	26.42	250	Pass
11n (HT20)	CH52	14.27	26.73	250	Pass
11n (HT20)	CH60	14.26	26.67	250	Pass
11n (HT20)	CH64	14.03	25.29	250	Pass
11n (HT40)	CH54	14.18	26.18	250	Pass
11n (HT40)	CH62	14.10	25.70	250	Pass
11ac (VHT20)	CH52	14.35	27.23	250	Pass
11ac (VHT20)	CH60	14.24	26.55	250	Pass
11ac (VHT20)	CH64	14.03	25.29	250	Pass
11ac (VHT40)	CH54	14.20	26.30	250	Pass
11ac (VHT40)	CH62	14.10	25.70	250	Pass
11ac (VHT80)	CH58	12.22	16.67	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	14.05	25.41	250	Pass
11a	CH116	14.60	28.84	250	Pass
11a	CH140	15.36	34.36	250	Pass
11n (HT20)	CH100	13.97	24.95	250	Pass
11n (HT20)	CH116	14.44	27.80	250	Pass
11n (HT20)	CH140	14.72	29.65	250	Pass
11n (HT40)	CH102	14.13	25.88	250	Pass
11n (HT40)	CH118	14.52	28.31	250	Pass
11n (HT40)	CH134	14.50	28.18	250	Pass
11ac (VHT20)	CH100	13.85	24.27	250	Pass
11ac (VHT20)	CH116	14.34	27.16	250	Pass
11ac (VHT20)	CH140	14.76	29.92	250	Pass
11ac (VHT40)	CH102	13.92	24.66	250	Pass
11ac (VHT40)	CH118	14.47	27.99	250	Pass
11ac (VHT40)	CH134	14.50	28.18	250	Pass
11ac (VHT80)	CH106	13.13	20.56	250	Pass
11ac (VHT80)	CH122	14.35	27.23	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.42	34.83	1000	Pass
11a	CH157	15.12	32.51	1000	Pass
11a	CH165	15.17	32.89	1000	Pass
11n (HT20)	CH149	14.84	30.48	1000	Pass
11n (HT20)	CH157	14.93	31.12	1000	Pass
11n (HT20)	CH165	14.97	31.41	1000	Pass
11n (HT40)	CH151	14.90	30.90	1000	Pass
11n (HT40)	CH159	14.95	31.26	1000	Pass
11ac (VHT20)	CH149	14.84	30.48	1000	Pass
11ac (VHT20)	CH157	14.88	30.76	1000	Pass
11ac (VHT20)	CH165	14.48	28.05	1000	Pass
11ac (VHT40)	CH151	14.84	30.48	1000	Pass
11ac (VHT40)	CH159	14.92	31.05	1000	Pass
11ac (VHT80)	CH155	14.60	28.84	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	14.62	28.97	190	Pass
11n (HT20)	CH144	13.88	24.43	193	Pass
11n (HT40)	CH142	14.74	29.79	250	Pass
11ac (VHT20)	CH144	13.87	24.38	193	Pass
11ac (VHT40)	CH142	14.77	29.99	250	Pass
11ac (VHT80)	CH138	14.87	30.69	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	6.22	4.19	1000	Pass
11n (HT20)	CH144	6.15	4.12	1000	Pass
11n (HT40)	CH142	1.56	1.43	1000	Pass
11ac (VHT20)	CH144	6.24	4.21	1000	Pass
11ac (VHT40)	CH142	1.66	1.47	1000	Pass
11ac (VHT80)	CH138	-3.47	0.45	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2450047-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.42	16.56
11a	CH44	20.12	16.55
11a	CH48	20.06	16.53
11n (HT20)	CH36	20.53	17.65
11n (HT20)	CH44	20.68	17.65
11n (HT20)	CH48	21.30	17.65
11n (HT40)	CH38	41.05	36.21
11n (HT40)	CH46	41.06	36.18
11ac (VHT20)	CH36	21.01	17.62
11ac (VHT20)	CH44	21.06	17.63
11ac (VHT20)	CH48	20.55	17.61
11ac (VHT40)	CH38	40.86	36.09
11ac (VHT40)	CH46	40.81	36.10
11ac (VHT80)	CH42	85.12	75.49

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.26	16.55
11a	CH60	20.11	16.53
11a	CH64	20.06	16.54
11n (HT20)	CH52	20.72	17.67
11n (HT20)	CH60	20.29	17.67
11n (HT20)	CH64	20.38	17.65
11n (HT40)	CH54	40.62	36.19
11n (HT40)	CH62	41.02	36.17
11ac (VHT20)	CH52	20.98	17.59
11ac (VHT20)	CH60	20.39	17.61
11ac (VHT20)	CH64	20.61	17.61
11ac (VHT40)	CH54	40.75	36.07
11ac (VHT40)	CH62	40.65	36.08
11ac (VHT80)	CH58	92.33	75.51

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.35	16.54
11a	CH116	20.70	16.55
11a	CH140	20.76	16.55
11n (HT20)	CH100	21.43	17.67
11n (HT20)	CH116	21.37	17.66
11n (HT20)	CH140	20.52	17.64
11n (HT40)	CH102	41.62	36.18
11n (HT40)	CH118	41.03	36.22
11n (HT40)	CH134	40.80	36.17
11ac (VHT20)	CH100	20.36	17.61
11ac (VHT20)	CH116	20.49	17.62
11ac (VHT20)	CH140	20.50	17.60
11ac (VHT40)	CH102	42.19	36.08
11ac (VHT40)	CH118	41.10	36.10
11ac (VHT40)	CH134	40.62	36.06
11ac (VHT80)	CH106	85.79	75.47
11ac (VHT80)	CH122	81.11	75.51

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.12	16.51
11a	CH157	20.07	16.52
11a	CH165	20.69	16.54
11n (HT20)	CH149	21.03	17.64
11n (HT20)	CH157	20.33	17.63
11n (HT20)	CH165	20.32	17.64
11n (HT40)	CH151	40.64	36.16
11n (HT40)	CH159	40.62	36.18
11ac (VHT20)	CH149	20.38	17.61
11ac (VHT20)	CH157	20.38	17.59
11ac (VHT20)	CH165	20.34	17.60
11ac (VHT40)	CH151	40.64	36.03
11ac (VHT40)	CH159	40.52	36.05
11ac (VHT80)	CH155	83.22	75.44

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	15.10	13.30
11n (HT20)	CH144	15.30	13.80
11n (HT40)	CH142	35.40	33.10
11ac (VHT20)	CH144	15.30	13.80
11ac (VHT40)	CH142	35.40	33.10
11ac (VHT80)	CH138	80.40	72.80

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	5.00	3.30
11n (HT20)	CH144	5.20	3.80
11n (HT40)	CH142	5.20	3.10
11ac (VHT20)	CH144	5.20	3.80
11ac (VHT40)	CH142	5.30	3.00
11ac (VHT80)	CH138	8.10	2.70

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2450047-604 Data Part 2.pdf”.

Test Data

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

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	11.50	500.00	Pass
11n (HT20)	CH144	11.60	500.00	Pass
11n (HT40)	CH142	17.80	500.00	Pass
11ac (VHT20)	CH144	11.50	500.00	Pass
11ac (VHT40)	CH142	22.80	500.00	Pass
11ac (VHT80)	CH138	42.80	500.00	Pass

A.4 Power Spectral Density

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ2450047-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	4.72	11.00	Pass
11a	CH44	4.64	11.00	Pass
11a	CH48	4.10	11.00	Pass
11n (HT20)	CH36	4.48	11.00	Pass
11n (HT20)	CH44	4.33	11.00	Pass
11n (HT20)	CH48	4.32	11.00	Pass
11n (HT40)	CH38	1.54	11.00	Pass
11n (HT40)	CH46	1.30	11.00	Pass
11ac (VHT20)	CH36	4.36	11.00	Pass
11ac (VHT20)	CH44	4.33	11.00	Pass
11ac (VHT20)	CH48	3.91	11.00	Pass
11ac (VHT40)	CH38	1.40	11.00	Pass
11ac (VHT40)	CH46	1.31	11.00	Pass
11ac (VHT80)	CH42	-3.69	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.72	11.00	Pass
11a	CH60	4.70	11.00	Pass
11a	CH64	4.55	11.00	Pass
11n (HT20)	CH52	4.40	11.00	Pass
11n (HT20)	CH60	4.43	11.00	Pass
11n (HT20)	CH64	4.30	11.00	Pass
11n (HT40)	CH54	1.39	11.00	Pass
11n (HT40)	CH62	1.40	11.00	Pass
11ac (VHT20)	CH52	3.79	11.00	Pass
11ac (VHT20)	CH60	4.29	11.00	Pass
11ac (VHT20)	CH64	4.10	11.00	Pass
11ac (VHT40)	CH54	0.81	11.00	Pass
11ac (VHT40)	CH62	1.29	11.00	Pass
11ac (VHT80)	CH58	-4.79	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	4.08	11.00	Pass
11a	CH116	4.86	11.00	Pass
11a	CH140	5.15	11.00	Pass
11n (HT20)	CH100	4.15	11.00	Pass
11n (HT20)	CH116	4.57	11.00	Pass
11n (HT20)	CH140	4.30	11.00	Pass
11n (HT40)	CH102	1.29	11.00	Pass
11n (HT40)	CH118	1.66	11.00	Pass
11n (HT40)	CH134	1.41	11.00	Pass
11ac (VHT20)	CH100	3.64	11.00	Pass
11ac (VHT20)	CH116	4.52	11.00	Pass
11ac (VHT20)	CH140	4.31	11.00	Pass
11ac (VHT40)	CH102	1.24	11.00	Pass
11ac (VHT40)	CH118	1.64	11.00	Pass
11ac (VHT40)	CH134	0.86	11.00	Pass
11ac (VHT80)	CH106	-3.64	11.00	Pass
11ac (VHT80)	CH122	-1.92	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	2.16	30.00	Pass
11a	CH157	2.19	30.00	Pass
11a	CH165	2.33	30.00	Pass
11n (HT20)	CH149	1.77	30.00	Pass
11n (HT20)	CH157	1.26	30.00	Pass
11n (HT20)	CH165	2.17	30.00	Pass
11n (HT40)	CH151	-1.56	30.00	Pass
11n (HT40)	CH159	-1.13	30.00	Pass
11ac (VHT20)	CH149	1.91	30.00	Pass
11ac (VHT20)	CH157	1.70	30.00	Pass
11ac (VHT20)	CH165	2.14	30.00	Pass
11ac (VHT40)	CH151	-1.78	30.00	Pass
11ac (VHT40)	CH159	-1.32	30.00	Pass
11ac (VHT80)	CH155	-4.69	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	4.76	11.00	Pass
11n (HT20)	CH144	3.98	11.00	Pass
11n (HT40)	CH142	1.54	11.00	Pass
11ac (VHT20)	CH144	4.54	11.00	Pass
11ac (VHT40)	CH142	1.48	11.00	Pass
11ac (VHT80)	CH138	-1.53	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	2.52	30.00	Pass
11n (HT20)	CH144	1.83	30.00	Pass
11n (HT40)	CH142	-1.27	30.00	Pass
11ac (VHT20)	CH144	1.76	30.00	Pass
11ac (VHT40)	CH142	-1.09	30.00	Pass
11ac (VHT80)	CH138	-4.14	30.00	Pass

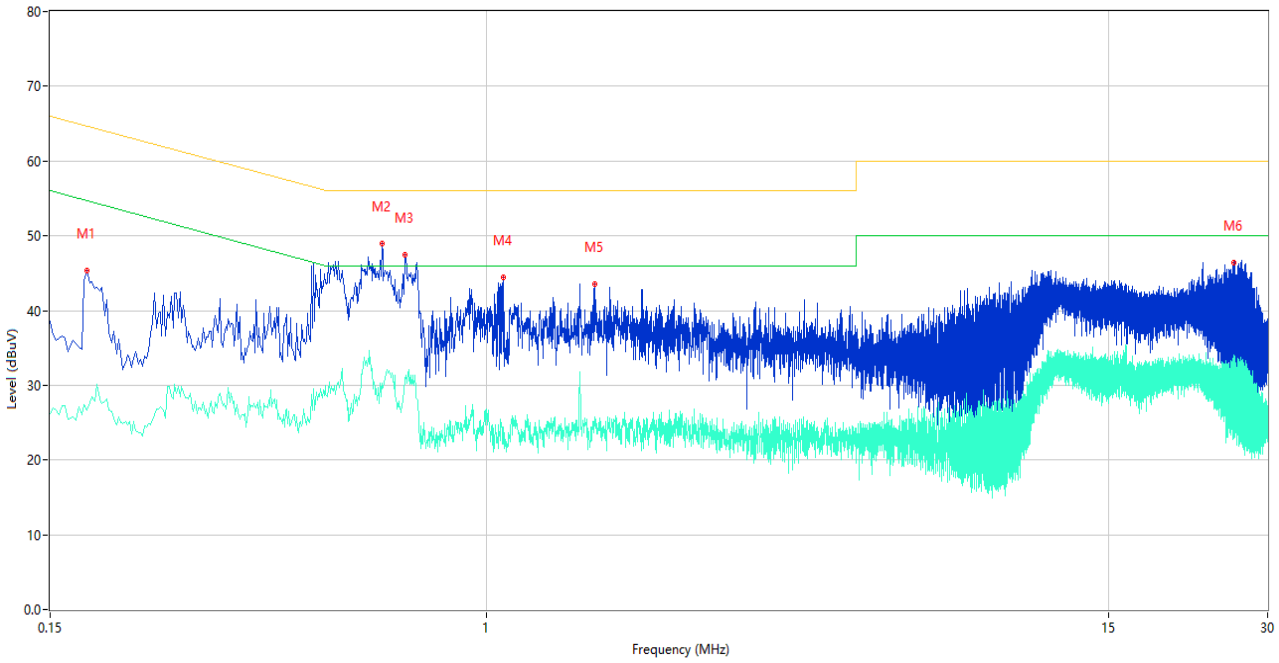
A.5 Conducted Emissions

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

Note [2]: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

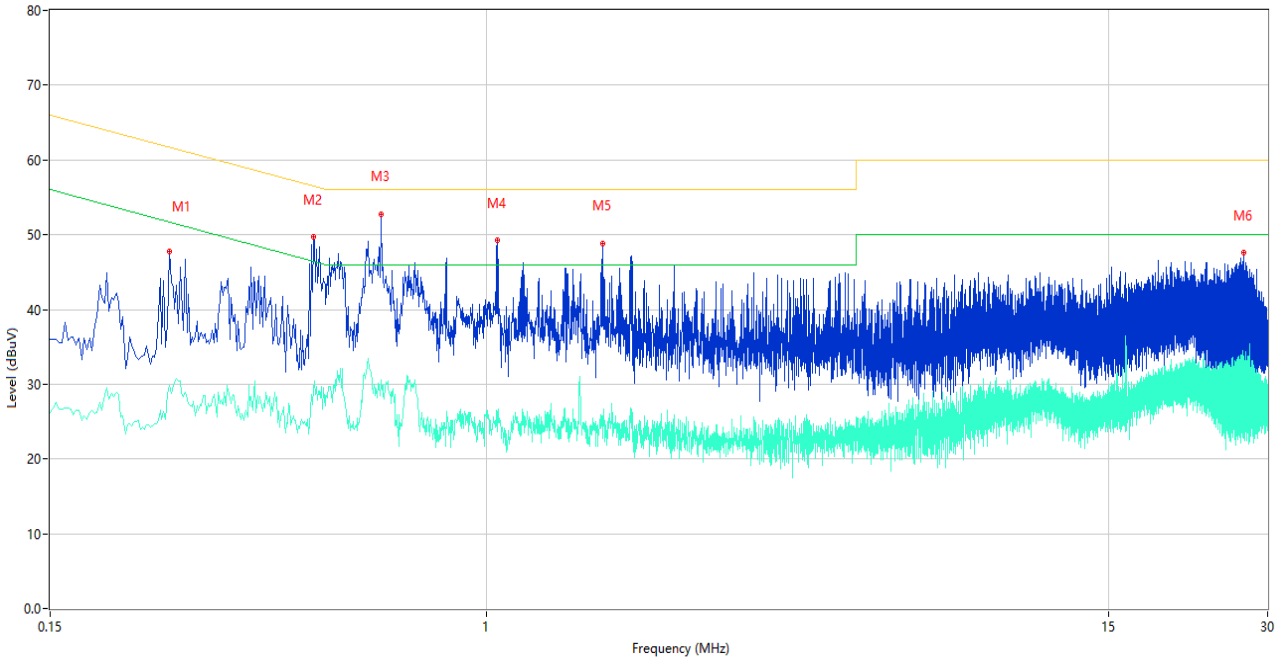
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	45.33	10.08	64.67	19.34	Peak	L	Pass
1**	0.176	26.71	10.08	54.67	27.96	AV	L	Pass
2	0.636	48.96	10.42	56.00	7.04	Peak	L	Pass
2**	0.636	30.34	10.42	46.00	15.66	AV	L	Pass
3	0.702	47.46	10.73	56.00	8.54	Peak	L	Pass
3**	0.702	31.07	10.73	46.00	14.93	AV	L	Pass
4	1.078	44.38	10.36	56.00	11.62	Peak	L	Pass
4**	1.078	24.45	10.36	46.00	21.55	AV	L	Pass
5	1.602	43.54	10.08	56.00	12.46	Peak	L	Pass
5**	1.602	25.72	10.08	46.00	20.28	AV	L	Pass
6	25.886	46.44	13.90	60.00	13.56	Peak	L	Pass
6**	25.886	23.33	13.90	50.00	26.67	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.252	47.72	10.05	61.69	13.97	Peak	N	Pass
1**	0.252	29.84	10.05	51.69	21.85	AV	N	Pass
2	0.472	49.70	10.47	56.48	6.78	Peak	N	Pass
2**	0.472	29.31	10.47	46.48	17.17	AV	N	Pass
3	0.634	52.79	10.43	56.00	3.21	Peak	N	Pass
3**	0.634	30.61	10.43	46.00	15.39	AV	N	Pass
4	1.052	49.25	10.15	56.00	6.75	Peak	N	Pass
4**	1.052	26.11	10.15	46.00	19.89	AV	N	Pass
5	1.658	48.87	10.67	56.00	7.13	Peak	N	Pass
5**	1.658	25.75	10.67	46.00	20.25	AV	N	Pass
6	27.048	47.56	14.16	60.00	12.44	Peak	N	Pass
6**	27.048	24.98	14.16	50.00	25.02	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.

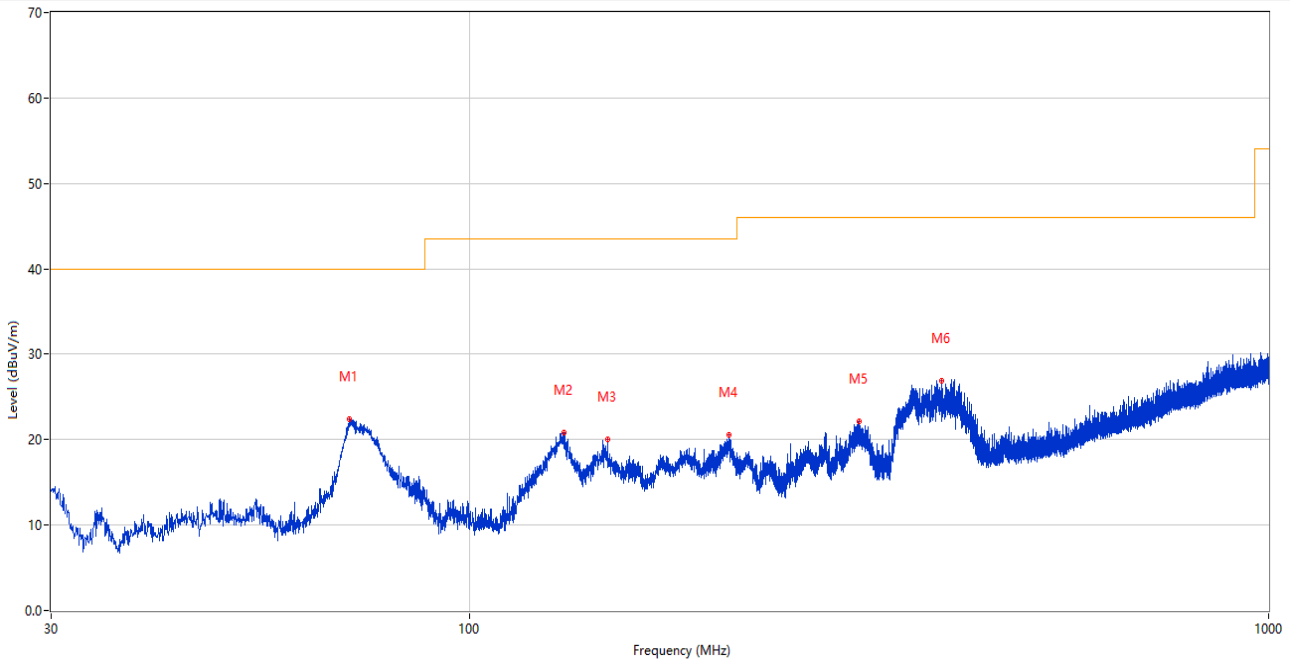
Note [2]: For the test data above 1 GHz， According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

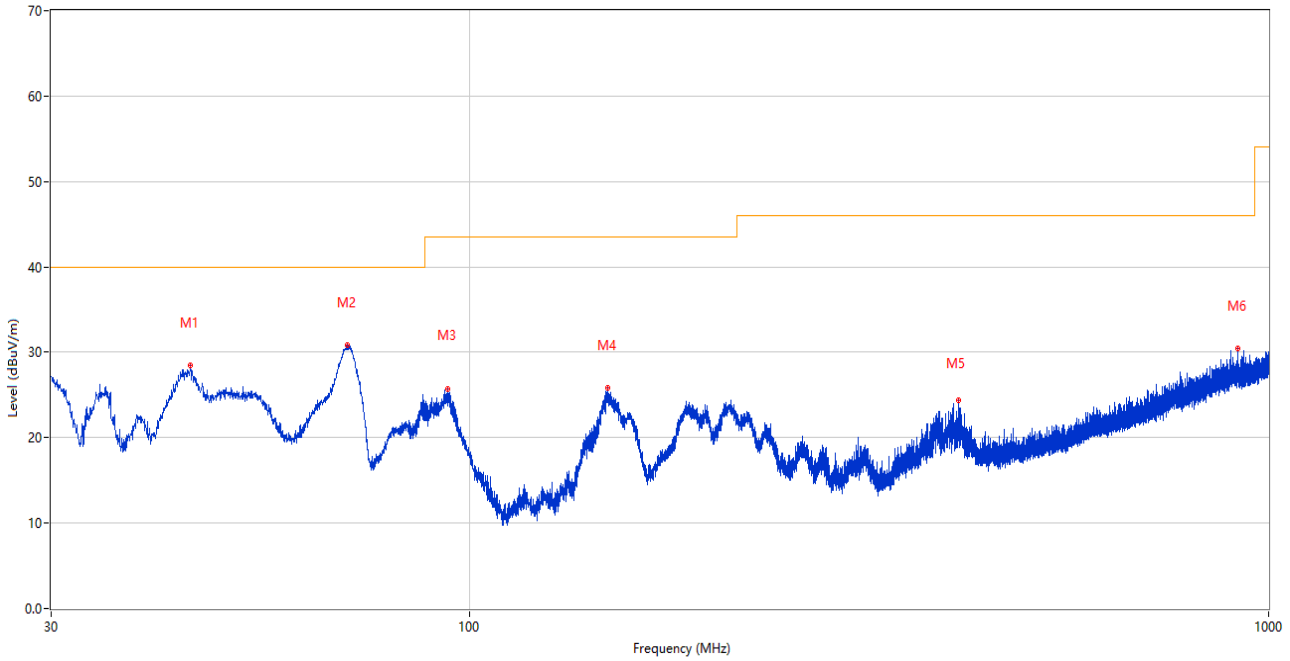
Test Data and Plots

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	70.885	22.45	-29.75	40.0	17.55	Peak	322.00	200	Horizontal	Pass
2	131.365	20.82	-29.87	43.5	22.68	Peak	121.00	200	Horizontal	Pass
3	149.068	19.98	-30.05	43.5	23.52	Peak	283.00	200	Horizontal	Pass
4	211.584	20.58	-26.64	43.5	22.92	Peak	56.00	100	Horizontal	Pass
5	307.178	22.17	-23.48	46.0	23.83	Peak	94.00	100	Horizontal	Pass
6	389.530	26.91	-21.20	46.0	19.09	Peak	60.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.792	28.46	-25.61	40.0	11.54	Peak	330.00	200	Vertical	Pass
2	70.303	30.85	-29.50	40.0	9.15	Peak	237.00	100	Vertical	Pass
3	93.971	25.75	-27.69	43.5	17.75	Peak	348.00	100	Vertical	Pass
4	148.971	25.82	-30.05	43.5	17.68	Peak	306.00	100	Vertical	Pass
5	409.949	24.40	-20.57	46.0	21.60	Peak	64.00	100	Vertical	Pass
6	914.446	30.49	-9.79	46.0	15.51	Peak	8.00	200	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	1614.000	38.55	-16.70	74.0	35.45	Peak	142.00	400	Horizontal	Pass
1**	1614.000	29.28	-16.70	54.0	24.72	AV	142.00	400	Horizontal	Pass
2	4190.500	47.84	-5.37	74.0	26.16	Peak	270.00	400	Horizontal	Pass
2**	4190.500	37.66	-5.37	54.0	16.34	AV	270.00	400	Horizontal	Pass
3	5180.250	104.30	-2.48	--	--	Peak	9.00	150	Horizontal	N/A
3**	5180.250	96.58	-2.48	--	--	AV	9.00	150	Horizontal	N/A
4	7429.250	53.20	0.97	74.0	20.80	Peak	270.00	400	Horizontal	Pass
4**	7429.250	43.69	0.97	54.0	10.31	AV	270.00	400	Horizontal	Pass
5	12270.725	52.72	0.88	74.0	21.28	Peak	334.00	200	Horizontal	Pass
5**	12270.725	43.04	0.88	54.0	10.96	AV	334.00	200	Horizontal	Pass
6	16145.175	54.51	2.11	74.0	19.49	Peak	200.00	200	Horizontal	Pass
6**	16145.175	44.91	2.11	54.0	9.09	AV	200.00	200	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	1473.100	38.10	-17.24	74.0	35.90	Peak	360.00	200	Vertical	Pass
1**	1473.100	28.14	-17.24	54.0	25.86	AV	360.00	200	Vertical	Pass
2	4331.750	47.01	-4.61	74.0	26.99	Peak	0.00	300	Vertical	Pass
2**	4331.750	38.62	-4.61	54.0	15.38	AV	0.00	300	Vertical	Pass
3	5179.000	98.33	-2.65	--	--	Peak	202.00	150	Vertical	N/A
3**	5179.000	90.98	-2.65	--	--	AV	202.00	150	Vertical	N/A
4	7706.250	53.44	1.54	74.0	20.56	Peak	300.00	300	Vertical	Pass
4**	7706.250	44.66	1.54	54.0	9.34	AV	300.00	300	Vertical	Pass
5	12242.700	52.77	1.00	74.0	21.23	Peak	130.00	200	Vertical	Pass
5**	12242.700	42.82	1.00	54.0	11.18	AV	130.00	200	Vertical	Pass
6	16089.263	54.52	1.61	74.0	19.48	Peak	102.00	100	Vertical	Pass
6**	16089.263	45.26	1.61	54.0	8.74	AV	102.00	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	1579.900	39.43	-17.12	74.0	34.57	Peak	237.00	400	Horizontal	Pass
1**	1579.900	28.41	-17.12	54.0	25.59	AV	237.00	400	Horizontal	Pass
2	4305.500	47.13	-5.12	74.0	26.87	Peak	320.00	200	Horizontal	Pass
2**	4305.500	37.62	-5.12	54.0	16.38	AV	320.00	200	Horizontal	Pass
3	5218.500	102.33	-2.88	--	--	Peak	30.00	150	Horizontal	N/A
3**	5218.500	94.90	-2.88	--	--	AV	30.00	150	Horizontal	N/A
4	7707.750	53.92	1.53	74.0	20.08	Peak	0.00	400	Horizontal	Pass
4**	7707.750	44.80	1.53	54.0	9.20	AV	0.00	400	Horizontal	Pass
5	12398.262	52.78	1.10	74.0	21.22	Peak	198.00	100	Horizontal	Pass
5**	12398.262	43.61	1.10	54.0	10.39	AV	198.00	100	Horizontal	Pass
6	16126.537	55.52	1.96	74.0	18.48	Peak	360.00	400	Horizontal	Pass
6**	16126.537	45.24	1.96	54.0	8.76	AV	360.00	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	1479.400	39.22	-17.08	74.0	34.78	Peak	118.00	300	Vertical	Pass
1**	1479.400	29.19	-17.08	54.0	24.81	AV	118.00	300	Vertical	Pass
2	4320.750	47.31	-4.72	74.0	26.69	Peak	250.00	100	Vertical	Pass
2**	4320.750	38.42	-4.72	54.0	15.58	AV	250.00	100	Vertical	Pass
3	5218.750	98.11	-2.94	--	--	Peak	205.00	200	Vertical	N/A
3**	5218.750	90.54	-2.94	--	--	AV	205.00	200	Vertical	N/A
4	7706.500	53.23	1.58	74.0	20.77	Peak	73.00	300	Vertical	Pass
4**	7706.500	44.58	1.58	54.0	9.42	AV	73.00	300	Vertical	Pass
5	12471.888	52.66	1.21	74.0	21.34	Peak	360.00	100	Vertical	Pass
5**	12471.888	43.35	1.21	54.0	10.65	AV	360.00	100	Vertical	Pass
6	15865.088	54.81	1.76	74.0	19.19	Peak	207.00	200	Vertical	Pass
6**	15865.088	44.58	1.76	54.0	9.42	AV	207.00	200	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	1443.200	38.44	-16.85	74.0	35.56	Peak	282.00	100	Horizontal	Pass
1**	1443.200	28.57	-16.85	54.0	25.43	AV	282.00	100	Horizontal	Pass
2	4074.250	47.05	-5.51	74.0	26.95	Peak	80.00	300	Horizontal	Pass
2**	4074.250	37.57	-5.51	54.0	16.43	AV	80.00	300	Horizontal	Pass
3	5241.500	102.60	-3.10	--	--	Peak	0.00	100	Horizontal	N/A
3**	5241.500	95.62	-3.10	--	--	AV	0.00	100	Horizontal	N/A
4	7714.250	53.72	1.56	74.0	20.28	Peak	60.00	400	Horizontal	Pass
4**	7714.250	43.51	1.56	54.0	10.49	AV	60.00	400	Horizontal	Pass
5	11789.550	53.00	-0.16	74.0	21.00	Peak	196.00	200	Horizontal	Pass
5**	11789.550	44.04	-0.16	54.0	9.96	AV	196.00	200	Horizontal	Pass
6	16126.800	54.84	1.97	74.0	19.16	Peak	178.00	400	Horizontal	Pass
6**	16126.800	45.82	1.97	54.0	8.18	AV	178.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.400	38.18	-17.16	74.0	35.82	Peak	0.00	100	Vertical	Pass
1**	1475.400	28.90	-17.16	54.0	25.10	AV	0.00	100	Vertical	Pass
2	4315.250	47.20	-4.91	74.0	26.80	Peak	31.00	200	Vertical	Pass
2**	4315.250	38.22	-4.91	54.0	15.78	AV	31.00	200	Vertical	Pass
3	5238.000	97.14	-3.05	--	--	Peak	202.00	100	Vertical	N/A
3**	5238.000	89.89	-3.05	--	--	AV	202.00	100	Vertical	N/A
4	7689.000	53.38	1.21	74.0	20.62	Peak	9.00	200	Vertical	Pass
4**	7689.000	44.20	1.21	54.0	9.80	AV	9.00	200	Vertical	Pass
5	11791.450	52.85	-0.15	74.0	21.15	Peak	120.00	100	Vertical	Pass
5**	11791.450	43.79	-0.15	54.0	10.21	AV	120.00	100	Vertical	Pass
6	15662.963	54.79	2.00	74.0	19.21	Peak	4.00	400	Vertical	Pass
6**	15662.963	45.35	2.00	54.0	8.65	AV	4.00	400	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	1450.600	38.45	-16.87	74.0	35.55	Peak	225.00	300	Horizontal	Pass
1**	1450.600	29.55	-16.87	54.0	24.45	AV	225.00	300	Horizontal	Pass
2	4260.250	47.56	-4.42	74.0	26.44	Peak	136.00	300	Horizontal	Pass
2**	4260.250	38.19	-4.42	54.0	15.81	AV	136.00	300	Horizontal	Pass
3	5178.250	103.32	-2.57	--	--	Peak	16.00	150	Horizontal	N/A
3**	5178.250	95.66	-2.57	--	--	AV	16.00	150	Horizontal	N/A
4	7694.250	53.23	1.16	74.0	20.77	Peak	217.00	200	Horizontal	Pass
4**	7694.250	45.22	1.16	54.0	8.78	AV	217.00	200	Horizontal	Pass
5	11730.413	52.57	-0.32	74.0	21.43	Peak	333.00	100	Horizontal	Pass
5**	11730.413	43.21	-0.32	54.0	10.79	AV	333.00	100	Horizontal	Pass
6	16103.700	55.36	1.78	74.0	18.64	Peak	63.00	300	Horizontal	Pass
6**	16103.700	45.87	1.78	54.0	8.13	AV	63.00	300	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	1512.300	39.19	-16.41	74.0	34.81	Peak	57.00	400	Vertical	Pass
1**	1512.300	30.28	-16.41	54.0	23.72	AV	57.00	400	Vertical	Pass
2	4333.000	47.47	-5.23	74.0	26.53	Peak	0.00	300	Vertical	Pass
2**	4333.000	37.52	-5.23	54.0	16.48	AV	0.00	300	Vertical	Pass
3	5182.000	98.83	-2.38	--	--	Peak	216.00	100	Vertical	N/A
3**	5182.000	90.84	-2.38	--	--	AV	216.00	100	Vertical	N/A
4	7485.750	52.84	1.39	74.0	21.16	Peak	35.00	100	Vertical	Pass
4**	7485.750	43.58	1.39	54.0	10.42	AV	35.00	100	Vertical	Pass
5	12437.687	53.08	1.05	74.0	20.92	Peak	360.00	200	Vertical	Pass
5**	12437.687	43.80	1.05	54.0	10.20	AV	360.00	200	Vertical	Pass
6	15938.326	54.78	1.36	74.0	19.22	Peak	10.00	400	Vertical	Pass
6**	15938.326	44.89	1.36	54.0	9.11	AV	10.00	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	1618.300	38.62	-16.97	74.0	35.38	Peak	162.00	200	Horizontal	Pass
1**	1618.300	29.02	-16.97	54.0	24.98	AV	162.00	200	Horizontal	Pass
2	4350.500	47.61	-4.54	74.0	26.39	Peak	0.00	100	Horizontal	Pass
2**	4350.500	37.78	-4.54	54.0	16.22	AV	0.00	100	Horizontal	Pass
3	5219.000	102.93	-2.84	--	--	Peak	12.00	200	Horizontal	N/A
3**	5219.000	96.03	-2.84	--	--	AV	12.00	200	Horizontal	N/A
4	7712.000	53.31	1.91	74.0	20.69	Peak	360.00	100	Horizontal	Pass
4**	7712.000	44.88	1.91	54.0	9.12	AV	360.00	100	Horizontal	Pass
5	12031.325	52.68	0.04	74.0	21.32	Peak	26.00	100	Horizontal	Pass
5**	12031.325	42.23	0.04	54.0	11.77	AV	26.00	100	Horizontal	Pass
6	15897.900	54.57	2.01	74.0	19.43	Peak	207.00	300	Horizontal	Pass
6**	15897.900	45.25	2.01	54.0	8.75	AV	207.00	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	1624.600	38.76	-16.96	74.0	35.24	Peak	336.00	200	Vertical	Pass
1**	1624.600	29.22	-16.96	54.0	24.78	AV	336.00	200	Vertical	Pass
2	4263.500	47.15	-4.55	74.0	26.85	Peak	121.00	100	Vertical	Pass
2**	4263.500	37.72	-4.55	54.0	16.28	AV	121.00	100	Vertical	Pass
3	5218.750	96.94	-2.94	--	--	Peak	209.00	200	Vertical	N/A
3**	5218.750	90.63	-2.94	--	--	AV	209.00	200	Vertical	N/A
4	7711.500	53.12	1.98	74.0	20.88	Peak	100.00	300	Vertical	Pass
4**	7711.500	44.41	1.98	54.0	9.59	AV	100.00	300	Vertical	Pass
5	11783.612	52.74	-0.16	74.0	21.26	Peak	179.00	150	Vertical	Pass
5**	11783.612	43.61	-0.16	54.0	10.39	AV	179.00	150	Vertical	Pass
6	16094.513	55.13	1.68	74.0	18.87	Peak	58.00	200	Vertical	Pass
6**	16094.513	46.22	1.68	54.0	7.78	AV	58.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.900	38.37	-16.97	74.0	35.63	Peak	340.00	100	Horizontal	Pass
1**	1451.900	28.57	-16.97	54.0	25.43	AV	340.00	100	Horizontal	Pass
2	4226.000	47.05	-5.18	74.0	26.95	Peak	201.00	400	Horizontal	Pass
2**	4226.000	38.04	-5.18	54.0	15.96	AV	201.00	400	Horizontal	Pass
3	5237.500	102.91	-3.09	--	--	Peak	15.00	100	Horizontal	N/A
3**	5237.500	94.87	-3.09	--	--	AV	15.00	100	Horizontal	N/A
4	7710.500	53.72	1.96	74.0	20.28	Peak	181.00	400	Horizontal	Pass
4**	7710.500	44.63	1.96	54.0	9.37	AV	181.00	400	Horizontal	Pass
5	11762.950	52.87	-0.18	74.0	21.13	Peak	159.00	100	Horizontal	Pass
5**	11762.950	43.20	-0.18	54.0	10.80	AV	159.00	100	Horizontal	Pass
6	16038.075	54.66	1.13	74.0	19.34	Peak	41.00	300	Horizontal	Pass
6**	16038.075	45.45	1.13	54.0	8.55	AV	41.00	300	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	1626.000	39.10	-17.06	74.0	34.90	Peak	186.00	200	Vertical	Pass
1**	1626.000	28.88	-17.06	54.0	25.12	AV	186.00	200	Vertical	Pass
2	4321.000	47.40	-4.84	74.0	26.60	Peak	322.00	400	Vertical	Pass
2**	4321.000	37.69	-4.84	54.0	16.31	AV	322.00	400	Vertical	Pass
3	5238.750	97.47	-2.91	--	--	Peak	200.00	200	Vertical	N/A
3**	5238.750	90.41	-2.91	--	--	AV	200.00	200	Vertical	N/A
4	7707.000	53.17	1.71	74.0	20.83	Peak	0.00	200	Vertical	Pass
4**	7707.000	44.78	1.71	54.0	9.22	AV	0.00	200	Vertical	Pass
5	12260.037	53.36	0.99	74.0	20.64	Peak	225.00	100	Vertical	Pass
5**	12260.037	43.48	0.99	54.0	10.52	AV	225.00	100	Vertical	Pass
6	16115.250	55.05	1.87	74.0	18.95	Peak	130.00	400	Vertical	Pass
6**	16115.250	45.66	1.87	54.0	8.34	AV	130.00	400	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	1489.900	38.28	-17.13	74.0	35.72	Peak	0.00	200	Horizontal	Pass
1**	1489.900	28.63	-17.13	54.0	25.37	AV	0.00	200	Horizontal	Pass
2	4315.000	46.70	-5.00	74.0	27.30	Peak	137.00	200	Horizontal	Pass
2**	4315.000	38.24	-5.00	54.0	15.76	AV	137.00	200	Horizontal	Pass
3	5185.750	100.08	-2.41	--	--	Peak	0.00	200	Horizontal	N/A
3**	5185.750	91.94	-2.41	--	--	AV	0.00	200	Horizontal	N/A
4	7708.750	53.29	1.82	74.0	20.71	Peak	96.00	100	Horizontal	Pass
4**	7708.750	44.35	1.82	54.0	9.65	AV	96.00	100	Horizontal	Pass
5	12270.725	53.25	0.88	74.0	20.75	Peak	75.00	150	Horizontal	Pass
5**	12270.725	43.95	0.88	54.0	10.05	AV	75.00	150	Horizontal	Pass
6	15907.875	55.68	1.89	74.0	18.32	Peak	295.00	300	Horizontal	Pass
6**	15907.875	45.99	1.89	54.0	8.01	AV	295.00	300	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	1586.800	38.67	-17.11	74.0	35.33	Peak	228.00	200	Vertical	Pass
1**	1586.800	29.38	-17.11	54.0	24.62	AV	228.00	200	Vertical	Pass
2	4335.500	46.93	-4.83	74.0	27.07	Peak	164.00	100	Vertical	Pass
2**	4335.500	37.55	-4.83	54.0	16.45	AV	164.00	100	Vertical	Pass
3	5187.500	95.09	-2.55	--	--	Peak	203.00	200	Vertical	N/A
3**	5187.500	87.82	-2.55	--	--	AV	203.00	200	Vertical	N/A
4	7704.500	53.33	1.93	74.0	20.67	Peak	62.00	300	Vertical	Pass
4**	7704.500	45.25	1.93	54.0	8.75	AV	62.00	300	Vertical	Pass
5	11800.950	53.41	-0.16	74.0	20.59	Peak	2.00	100	Vertical	Pass
5**	11800.950	44.24	-0.16	54.0	9.76	AV	2.00	100	Vertical	Pass
6	16091.099	55.43	1.63	74.0	18.57	Peak	321.00	100	Vertical	Pass
6**	16091.099	46.38	1.63	54.0	7.62	AV	321.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.100	38.51	-17.02	74.0	35.49	Peak	4.00	400	Horizontal	Pass
1**	1451.100	28.65	-17.02	54.0	25.35	AV	4.00	400	Horizontal	Pass
2	4315.000	47.18	-5.00	74.0	26.82	Peak	81.00	400	Horizontal	Pass
2**	4315.000	38.10	-5.00	54.0	15.90	AV	81.00	400	Horizontal	Pass
3	5228.750	100.11	-3.26	--	--	Peak	0.00	150	Horizontal	N/A
3**	5228.750	92.46	-3.26	--	--	AV	0.00	150	Horizontal	N/A
4	7593.250	53.39	0.96	74.0	20.61	Peak	0.00	400	Horizontal	Pass
4**	7593.250	43.16	0.96	54.0	10.84	AV	0.00	400	Horizontal	Pass
5	12255.050	53.24	1.05	74.0	20.76	Peak	360.00	200	Horizontal	Pass
5**	12255.050	43.57	1.05	54.0	10.43	AV	360.00	200	Horizontal	Pass
6	16049.887	54.67	1.09	74.0	19.33	Peak	293.00	300	Horizontal	Pass
6**	16049.887	44.60	1.09	54.0	9.40	AV	293.00	300	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	1604.900	38.89	-16.65	74.0	35.11	Peak	324.00	100	Vertical	Pass
1**	1604.900	29.59	-16.65	54.0	24.41	AV	324.00	100	Vertical	Pass
2	4261.250	47.01	-4.60	74.0	26.99	Peak	144.00	400	Vertical	Pass
2**	4261.250	37.35	-4.60	54.0	16.65	AV	144.00	400	Vertical	Pass
3	5228.250	94.54	-3.20	--	--	Peak	217.00	150	Vertical	N/A
3**	5228.250	86.74	-3.20	--	--	AV	217.00	150	Vertical	N/A
4	7739.500	53.45	0.14	74.0	20.55	Peak	23.00	400	Vertical	Pass
4**	7739.500	43.35	0.14	54.0	10.65	AV	23.00	400	Vertical	Pass
5	12261.463	52.39	0.98	74.0	21.61	Peak	0.00	100	Vertical	Pass
5**	12261.463	43.29	0.98	54.0	10.71	AV	0.00	100	Vertical	Pass
6	16060.912	54.43	1.23	74.0	19.57	Peak	45.00	200	Vertical	Pass
6**	16060.912	44.89	1.23	54.0	9.11	AV	45.00	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	1494.100	38.41	-17.12	74.0	35.59	Peak	70.00	200	Horizontal	Pass
1**	1494.100	28.80	-17.12	54.0	25.20	AV	70.00	200	Horizontal	Pass
2	4365.000	46.73	-5.05	74.0	27.27	Peak	138.00	400	Horizontal	Pass
2**	4365.000	37.40	-5.05	54.0	16.60	AV	138.00	400	Horizontal	Pass
3	5181.500	103.33	-2.37	--	--	Peak	12.00	200	Horizontal	N/A
3**	5181.500	95.27	-2.37	--	--	AV	12.00	200	Horizontal	N/A
4	7417.500	53.29	0.71	74.0	20.71	Peak	302.00	100	Horizontal	Pass
4**	7417.500	44.87	0.71	54.0	9.13	AV	302.00	100	Horizontal	Pass
5	12264.313	52.84	0.95	74.0	21.16	Peak	30.00	100	Horizontal	Pass
5**	12264.313	43.26	0.95	54.0	10.74	AV	30.00	100	Horizontal	Pass
6	16093.987	55.13	1.67	74.0	18.87	Peak	285.00	100	Horizontal	Pass
6**	16093.987	46.06	1.67	54.0	7.94	AV	285.00	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	1595.600	38.21	-16.93	74.0	35.79	Peak	16.00	100	Vertical	Pass
1**	1595.600	29.95	-16.93	54.0	24.05	AV	16.00	100	Vertical	Pass
2	4262.000	47.13	-4.53	74.0	26.87	Peak	38.00	200	Vertical	Pass
2**	4262.000	37.68	-4.53	54.0	16.32	AV	38.00	200	Vertical	Pass
3	5181.250	98.99	-2.31	--	--	Peak	199.00	150	Vertical	N/A
3**	5181.250	91.48	-2.31	--	--	AV	199.00	150	Vertical	N/A
4	7423.000	53.00	1.54	74.0	21.00	Peak	320.00	100	Vertical	Pass
4**	7423.000	44.17	1.54	54.0	9.83	AV	320.00	100	Vertical	Pass
5	11738.250	52.57	-0.27	74.0	21.43	Peak	360.00	100	Vertical	Pass
5**	11738.250	43.30	-0.27	54.0	10.70	AV	360.00	100	Vertical	Pass
6	16186.125	54.58	1.91	74.0	19.42	Peak	55.00	100	Vertical	Pass
6**	16186.125	44.22	1.91	54.0	9.78	AV	55.00	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	1453.600	39.50	-16.98	74.0	34.50	Peak	149.00	300	Horizontal	Pass
1**	1453.600	28.69	-16.98	54.0	25.31	AV	149.00	300	Horizontal	Pass
2	4319.500	47.04	-5.05	74.0	26.96	Peak	280.00	400	Horizontal	Pass
2**	4319.500	38.04	-5.05	54.0	15.96	AV	280.00	400	Horizontal	Pass
3	5217.500	102.89	-2.81	--	--	Peak	0.00	100	Horizontal	N/A
3**	5217.500	95.04	-2.81	--	--	AV	0.00	100	Horizontal	N/A
4	7687.250	53.14	1.17	74.0	20.86	Peak	239.00	400	Horizontal	Pass
4**	7687.250	44.20	1.17	54.0	9.80	AV	239.00	400	Horizontal	Pass
5	12270.012	52.61	0.88	74.0	21.39	Peak	360.00	100	Horizontal	Pass
5**	12270.012	43.12	0.88	54.0	10.88	AV	360.00	100	Horizontal	Pass
6	16097.925	54.21	1.72	74.0	19.79	Peak	161.00	300	Horizontal	Pass
6**	16097.925	45.88	1.72	54.0	8.12	AV	161.00	300	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	1599.600	38.15	-16.97	74.0	35.85	Peak	21.00	200	Vertical	Pass
1**	1599.600	28.92	-16.97	54.0	25.08	AV	21.00	200	Vertical	Pass
2	4269.500	47.20	-5.07	74.0	26.80	Peak	187.00	300	Vertical	Pass
2**	4269.500	36.99	-5.07	54.0	17.01	AV	187.00	300	Vertical	Pass
3	5218.500	98.24	-2.88	--	--	Peak	210.00	100	Vertical	N/A
3**	5218.500	90.12	-2.88	--	--	AV	210.00	100	Vertical	N/A
4	7729.750	52.80	0.53	74.0	21.20	Peak	91.00	400	Vertical	Pass
4**	7729.750	43.64	0.53	54.0	10.36	AV	91.00	400	Vertical	Pass
5	11728.275	52.77	-0.34	74.0	21.23	Peak	60.00	150	Vertical	Pass
5**	11728.275	42.56	-0.34	54.0	11.44	AV	60.00	150	Vertical	Pass
6	16110.262	54.65	1.83	74.0	19.35	Peak	63.00	400	Vertical	Pass
6**	16110.262	45.82	1.83	54.0	8.18	AV	63.00	400	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	1480.700	38.24	-16.80	74.0	35.76	Peak	323.00	200	Horizontal	Pass
1**	1480.700	28.88	-16.80	54.0	25.12	AV	323.00	200	Horizontal	Pass
2	4348.750	47.04	-4.53	74.0	26.96	Peak	326.00	400	Horizontal	Pass
2**	4348.750	38.22	-4.53	54.0	15.78	AV	326.00	400	Horizontal	Pass
3	5242.500	102.66	-2.92	--	--	Peak	16.00	100	Horizontal	N/A
3**	5242.500	95.53	-2.92	--	--	AV	16.00	100	Horizontal	N/A
4	7695.500	53.39	1.35	74.0	20.61	Peak	16.00	400	Horizontal	Pass
4**	7695.500	44.40	1.35	54.0	9.60	AV	16.00	400	Horizontal	Pass
5	11770.550	53.91	-0.18	74.0	20.09	Peak	39.00	100	Horizontal	Pass
5**	11770.550	43.14	-0.18	54.0	10.86	AV	39.00	100	Horizontal	Pass
6	15911.550	54.69	1.83	74.0	19.31	Peak	310.00	200	Horizontal	Pass
6**	15911.550	44.34	1.83	54.0	9.66	AV	310.00	200	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	1549.000	38.61	-17.41	74.0	35.39	Peak	220.00	300	Vertical	Pass
1**	1549.000	28.42	-17.41	54.0	25.58	AV	220.00	300	Vertical	Pass
2	4158.250	47.54	-5.42	74.0	26.46	Peak	88.00	200	Vertical	Pass
2**	4158.250	37.21	-5.42	54.0	16.79	AV	88.00	200	Vertical	Pass
3	5241.250	97.31	-3.17	--	--	Peak	195.00	200	Vertical	N/A
3**	5241.250	89.73	-3.17	--	--	AV	195.00	200	Vertical	N/A
4	7709.250	53.05	1.90	74.0	20.95	Peak	280.00	300	Vertical	Pass
4**	7709.250	44.55	1.90	54.0	9.45	AV	280.00	300	Vertical	Pass
5	12262.887	52.98	0.96	74.0	21.02	Peak	359.00	150	Vertical	Pass
5**	12262.887	43.70	0.96	54.0	10.30	AV	359.00	150	Vertical	Pass
6	15423.300	55.16	2.49	74.0	18.84	Peak	236.00	300	Vertical	Pass
6**	15423.300	45.23	2.49	54.0	8.77	AV	236.00	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	1616.600	38.28	-16.96	74.0	35.72	Peak	142.00	200	Horizontal	Pass
1**	1616.600	28.84	-16.96	54.0	25.16	AV	142.00	200	Horizontal	Pass
2	4233.250	47.18	-5.14	74.0	26.82	Peak	115.00	400	Horizontal	Pass
2**	4233.250	39.30	-5.14	54.0	14.70	AV	115.00	400	Horizontal	Pass
3	5193.750	99.74	-2.72	--	--	Peak	13.00	100	Horizontal	N/A
3**	5193.750	92.58	-2.72	--	--	AV	13.00	100	Horizontal	N/A
4	7681.750	54.15	0.79	74.0	19.85	Peak	54.00	300	Horizontal	Pass
4**	7681.750	44.13	0.79	54.0	9.87	AV	54.00	300	Horizontal	Pass
5	12437.925	52.66	1.05	74.0	21.34	Peak	25.00	100	Horizontal	Pass
5**	12437.925	43.36	1.05	54.0	10.64	AV	25.00	100	Horizontal	Pass
6	15904.987	54.78	1.94	74.0	19.22	Peak	8.00	300	Horizontal	Pass
6**	15904.987	46.56	1.94	54.0	7.44	AV	8.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.800	38.12	-16.90	74.0	35.88	Peak	0.00	300	Vertical	Pass
1**	1593.800	28.90	-16.90	54.0	25.10	AV	0.00	300	Vertical	Pass
2	4383.250	47.15	-5.06	74.0	26.85	Peak	205.00	400	Vertical	Pass
2**	4383.250	38.02	-5.06	54.0	15.98	AV	205.00	400	Vertical	Pass
3	5185.750	94.93	-2.41	--	--	Peak	205.00	200	Vertical	N/A
3**	5185.750	87.26	-2.41	--	--	AV	205.00	200	Vertical	N/A
4	7698.250	54.10	1.14	74.0	19.90	Peak	142.00	100	Vertical	Pass
4**	7698.250	44.09	1.14	54.0	9.91	AV	142.00	100	Vertical	Pass
5	12246.500	52.65	1.05	74.0	21.35	Peak	203.00	100	Vertical	Pass
5**	12246.500	44.10	1.05	54.0	9.90	AV	203.00	100	Vertical	Pass
6	16062.224	56.13	1.25	74.0	17.87	Peak	21.00	400	Vertical	Pass
6**	16062.224	45.13	1.25	54.0	8.87	AV	21.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.800	38.66	-16.89	74.0	35.34	Peak	89.00	100	Horizontal	Pass
1**	1602.800	28.78	-16.89	54.0	25.22	AV	89.00	100	Horizontal	Pass
2	4396.000	47.34	-5.19	74.0	26.66	Peak	314.00	200	Horizontal	Pass
2**	4396.000	38.21	-5.19	54.0	15.79	AV	314.00	200	Horizontal	Pass
3	5232.250	100.45	-2.99	--	--	Peak	0.00	100	Horizontal	N/A
3**	5232.250	93.10	-2.99	--	--	AV	0.00	100	Horizontal	N/A
4	7420.500	53.40	1.22	74.0	20.60	Peak	70.00	400	Horizontal	Pass
4**	7420.500	45.10	1.22	54.0	8.90	AV	70.00	400	Horizontal	Pass
5	12264.549	52.94	0.94	74.0	21.06	Peak	151.00	200	Horizontal	Pass
5**	12264.549	43.86	0.94	54.0	10.14	AV	151.00	200	Horizontal	Pass
6	15688.424	54.60	1.73	74.0	19.40	Peak	297.00	200	Horizontal	Pass
6**	15688.424	46.04	1.73	54.0	7.96	AV	297.00	200	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	1586.700	38.35	-17.15	74.0	35.65	Peak	244.00	400	Vertical	Pass
1**	1586.700	28.68	-17.15	54.0	25.32	AV	244.00	400	Vertical	Pass
2	4246.750	47.27	-4.40	74.0	26.73	Peak	0.00	300	Vertical	Pass
2**	4246.750	38.06	-4.40	54.0	15.94	AV	0.00	300	Vertical	Pass
3	5227.750	94.58	-3.16	--	--	Peak	198.00	100	Vertical	N/A
3**	5227.750	86.94	-3.16	--	--	AV	198.00	100	Vertical	N/A
4	7617.500	54.10	0.47	74.0	19.90	Peak	0.00	300	Vertical	Pass
4**	7617.500	44.19	0.47	54.0	9.81	AV	0.00	300	Vertical	Pass
5	12499.912	52.70	1.44	74.0	21.30	Peak	290.00	150	Vertical	Pass
5**	12499.912	43.19	1.44	54.0	10.81	AV	290.00	150	Vertical	Pass
6	16080.075	54.78	1.49	74.0	19.22	Peak	324.00	300	Vertical	Pass
6**	16080.075	45.53	1.49	54.0	8.47	AV	324.00	300	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	1540.200	38.88	-17.20	74.0	35.12	Peak	0.00	100	Horizontal	Pass
1**	1540.200	29.04	-17.20	54.0	24.96	AV	0.00	100	Horizontal	Pass
2	4255.000	47.10	-4.05	74.0	26.90	Peak	0.00	200	Horizontal	Pass
2**	4255.000	38.28	-4.05	54.0	15.72	AV	0.00	200	Horizontal	Pass
3	5205.750	97.59	-2.34	--	--	Peak	5.00	150	Horizontal	N/A
3**	5205.750	90.45	-2.34	--	--	AV	5.00	150	Horizontal	N/A
4	7729.000	53.39	0.24	74.0	20.61	Peak	197.00	400	Horizontal	Pass
4**	7729.000	43.80	0.24	54.0	10.20	AV	197.00	400	Horizontal	Pass
5	12444.338	53.44	1.05	74.0	20.56	Peak	318.00	150	Horizontal	Pass
5**	12444.338	43.03	1.05	54.0	10.97	AV	318.00	150	Horizontal	Pass
6	16106.325	54.86	1.80	74.0	19.14	Peak	37.00	400	Horizontal	Pass
6**	16106.325	45.75	1.80	54.0	8.25	AV	37.00	400	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	1583.700	38.17	-17.02	74.0	35.83	Peak	123.00	400	Vertical	Pass
1**	1583.700	28.77	-17.02	54.0	25.23	AV	123.00	400	Vertical	Pass
2	4300.000	47.03	-5.40	74.0	26.97	Peak	171.00	400	Vertical	Pass
2**	4300.000	37.85	-5.40	54.0	16.15	AV	171.00	400	Vertical	Pass
3	5207.000	93.15	-2.32	--	--	Peak	193.00	150	Vertical	N/A
3**	5207.000	85.37	-2.32	--	--	AV	193.00	150	Vertical	N/A
4	7715.000	53.59	1.54	74.0	20.41	Peak	193.00	400	Vertical	Pass
4**	7715.000	43.90	1.54	54.0	10.10	AV	193.00	400	Vertical	Pass
5	11800.950	53.00	-0.16	74.0	21.00	Peak	208.00	200	Vertical	Pass
5**	11800.950	43.66	-0.16	54.0	10.34	AV	208.00	200	Vertical	Pass
6	16147.276	55.12	2.13	74.0	18.88	Peak	156.00	200	Vertical	Pass
6**	16147.276	45.79	2.13	54.0	8.21	AV	156.00	200	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	1556.700	38.29	-17.58	74.0	35.71	Peak	321.00	400	Horizontal	Pass
1**	1556.700	28.77	-17.58	54.0	25.23	AV	321.00	400	Horizontal	Pass
2	4255.250	47.58	-4.03	74.0	26.42	Peak	297.00	400	Horizontal	Pass
2**	4255.250	38.73	-4.03	54.0	15.27	AV	297.00	400	Horizontal	Pass
3	5261.250	103.23	-3.06	--	--	Peak	10.00	150	Horizontal	N/A
3**	5261.250	97.11	-3.06	--	--	AV	10.00	150	Horizontal	N/A
4	7403.250	53.47	0.40	74.0	20.53	Peak	117.00	200	Horizontal	Pass
4**	7403.250	42.99	0.40	54.0	11.01	AV	117.00	200	Horizontal	Pass
5	11719.725	53.10	-0.39	74.0	20.90	Peak	337.00	100	Horizontal	Pass
5**	11719.725	43.14	-0.39	54.0	10.86	AV	337.00	100	Horizontal	Pass
6	16111.838	55.28	1.85	74.0	18.72	Peak	217.00	400	Horizontal	Pass
6**	16111.838	46.74	1.85	54.0	7.26	AV	217.00	400	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	1616.600	38.59	-16.96	74.0	35.41	Peak	159.00	400	Vertical	Pass
1**	1616.600	29.04	-16.96	54.0	24.96	AV	159.00	400	Vertical	Pass
2	4261.250	47.17	-4.60	74.0	26.83	Peak	0.00	400	Vertical	Pass
2**	4261.250	37.67	-4.60	54.0	16.33	AV	0.00	400	Vertical	Pass
3	5259.000	96.63	-2.95	--	--	Peak	200.00	150	Vertical	N/A
3**	5259.000	89.42	-2.95	--	--	AV	200.00	150	Vertical	N/A
4	7692.250	53.37	0.93	74.0	20.63	Peak	247.00	200	Vertical	Pass
4**	7692.250	43.58	0.93	54.0	10.42	AV	247.00	200	Vertical	Pass
5	12260.037	52.94	0.99	74.0	21.06	Peak	276.00	150	Vertical	Pass
5**	12260.037	44.16	0.99	54.0	9.84	AV	276.00	150	Vertical	Pass
6	16091.362	54.55	1.64	74.0	19.45	Peak	82.00	400	Vertical	Pass
6**	16091.362	45.59	1.64	54.0	8.41	AV	82.00	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	1510.500	39.24	-17.07	74.0	34.76	Peak	212.00	400	Horizontal	Pass
1**	1510.500	28.22	-17.07	54.0	25.78	AV	212.00	400	Horizontal	Pass
2	4306.250	47.32	-5.20	74.0	26.68	Peak	324.00	300	Horizontal	Pass
2**	4306.250	37.86	-5.20	54.0	16.14	AV	324.00	300	Horizontal	Pass
3	5301.500	102.62	-2.76	--	--	Peak	0.00	100	Horizontal	N/A
3**	5301.500	95.11	-2.76	--	--	AV	0.00	100	Horizontal	N/A
4	7714.750	53.76	1.62	74.0	20.24	Peak	222.00	300	Horizontal	Pass
4**	7714.750	44.23	1.62	54.0	9.77	AV	222.00	300	Horizontal	Pass
5	11765.562	52.90	-0.18	74.0	21.10	Peak	96.00	150	Horizontal	Pass
5**	11765.562	43.69	-0.18	54.0	10.31	AV	96.00	150	Horizontal	Pass
6	15936.487	55.32	1.39	74.0	18.68	Peak	297.00	400	Horizontal	Pass
6**	15936.487	45.03	1.39	54.0	8.97	AV	297.00	400	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	1513.500	38.92	-16.76	74.0	35.08	Peak	295.00	400	Vertical	Pass
1**	1513.500	29.53	-16.76	54.0	24.47	AV	295.00	400	Vertical	Pass
2	4336.250	47.33	-4.87	74.0	26.67	Peak	57.00	300	Vertical	Pass
2**	4336.250	37.73	-4.87	54.0	16.27	AV	57.00	300	Vertical	Pass
3	5298.250	97.04	-2.76	--	--	Peak	180.00	150	Vertical	N/A
3**	5298.250	89.53	-2.76	--	--	AV	180.00	150	Vertical	N/A
4	7711.750	53.25	2.04	74.0	20.75	Peak	180.00	400	Vertical	Pass
4**	7711.750	45.20	2.04	54.0	8.80	AV	180.00	400	Vertical	Pass
5	11713.787	52.90	-0.43	74.0	21.10	Peak	202.00	150	Vertical	Pass
5**	11713.787	43.47	-0.43	54.0	10.53	AV	202.00	150	Vertical	Pass
6	15674.776	55.09	1.87	74.0	18.91	Peak	79.00	300	Vertical	Pass
6**	15674.776	44.87	1.87	54.0	9.13	AV	79.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.500	38.11	-16.80	74.0	35.89	Peak	255.00	300	Horizontal	Pass
1**	1511.500	30.18	-16.80	54.0	23.82	AV	255.00	300	Horizontal	Pass
2	4358.000	47.48	-4.58	74.0	26.52	Peak	283.00	100	Horizontal	Pass
2**	4358.000	38.56	-4.58	54.0	15.44	AV	283.00	100	Horizontal	Pass
3	5318.000	102.07	-3.10	--	--	Peak	1.00	200	Horizontal	N/A
3**	5318.000	94.87	-3.10	--	--	AV	1.00	200	Horizontal	N/A
4	7516.500	53.42	0.16	74.0	20.58	Peak	0.00	300	Horizontal	Pass
4**	7516.500	43.22	0.16	54.0	10.78	AV	0.00	300	Horizontal	Pass
5	11689.088	53.09	-0.70	74.0	20.91	Peak	181.00	200	Horizontal	Pass
5**	11689.088	44.46	-0.70	54.0	9.54	AV	181.00	200	Horizontal	Pass
6	15909.188	55.10	1.87	74.0	18.90	Peak	41.00	200	Horizontal	Pass
6**	15909.188	45.35	1.87	54.0	8.65	AV	41.00	200	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	1538.000	38.55	-17.44	74.0	35.45	Peak	310.00	300	Vertical	Pass
1**	1538.000	28.50	-17.44	54.0	25.50	AV	310.00	300	Vertical	Pass
2	4379.000	47.16	-5.06	74.0	26.84	Peak	161.00	100	Vertical	Pass
2**	4379.000	37.29	-5.06	54.0	16.71	AV	161.00	100	Vertical	Pass
3	5317.000	97.68	-2.90	--	--	Peak	222.00	100	Vertical	N/A
3**	5317.000	89.79	-2.90	--	--	AV	222.00	100	Vertical	N/A
4	7707.500	53.39	1.49	74.0	20.61	Peak	344.00	200	Vertical	Pass
4**	7707.500	45.18	1.49	54.0	8.82	AV	344.00	200	Vertical	Pass
5	12188.787	52.75	0.31	74.0	21.25	Peak	269.00	100	Vertical	Pass
5**	12188.787	43.72	0.31	54.0	10.28	AV	269.00	100	Vertical	Pass
6	15913.125	55.14	1.80	74.0	18.86	Peak	13.00	300	Vertical	Pass
6**	15913.125	45.64	1.80	54.0	8.36	AV	13.00	300	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	1496.900	39.29	-16.77	74.0	34.71	Peak	237.00	300	Horizontal	Pass
1**	1496.900	29.49	-16.77	54.0	24.51	AV	237.00	300	Horizontal	Pass
2	4194.250	47.34	-5.33	74.0	26.66	Peak	344.00	400	Horizontal	Pass
2**	4194.250	37.79	-5.33	54.0	16.21	AV	344.00	400	Horizontal	Pass
3	5257.750	102.81	-3.07	--	--	Peak	9.00	100	Horizontal	N/A
3**	5257.750	95.55	-3.07	--	--	AV	9.00	100	Horizontal	N/A
4	7714.000	53.37	1.69	74.0	20.63	Peak	31.00	200	Horizontal	Pass
4**	7714.000	45.08	1.69	54.0	8.92	AV	31.00	200	Horizontal	Pass
5	12240.562	52.62	0.97	74.0	21.38	Peak	296.00	100	Horizontal	Pass
5**	12240.562	44.25	0.97	54.0	9.75	AV	296.00	100	Horizontal	Pass
6	16153.575	55.29	2.13	74.0	18.71	Peak	303.00	100	Horizontal	Pass
6**	16153.575	44.55	2.13	54.0	9.45	AV	303.00	100	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	1576.400	38.09	-16.87	74.0	35.91	Peak	192.00	300	Vertical	Pass
1**	1576.400	28.55	-16.87	54.0	25.45	AV	192.00	300	Vertical	Pass
2	4301.000	47.08	-5.17	74.0	26.92	Peak	100.00	100	Vertical	Pass
2**	4301.000	37.26	-5.17	54.0	16.74	AV	100.00	100	Vertical	Pass
3	5261.000	96.28	-3.04	--	--	Peak	203.00	200	Vertical	N/A
3**	5261.000	89.27	-3.04	--	--	AV	203.00	200	Vertical	N/A
4	7364.000	53.26	0.77	74.0	20.74	Peak	344.00	400	Vertical	Pass
4**	7364.000	43.10	0.77	54.0	10.90	AV	344.00	400	Vertical	Pass
5	12259.800	52.96	1.00	74.0	21.04	Peak	2.00	200	Vertical	Pass
5**	12259.800	43.86	1.00	54.0	10.14	AV	2.00	200	Vertical	Pass
6	16122.863	54.78	1.93	74.0	19.22	Peak	60.00	100	Vertical	Pass
6**	16122.863	45.55	1.93	54.0	8.45	AV	60.00	100	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	1609.000	38.85	-17.21	74.0	35.15	Peak	0.00	300	Horizontal	Pass
1**	1609.000	29.17	-17.21	54.0	24.83	AV	0.00	300	Horizontal	Pass
2	4311.250	47.21	-5.45	74.0	26.79	Peak	254.00	400	Horizontal	Pass
2**	4311.250	37.13	-5.45	54.0	16.87	AV	254.00	400	Horizontal	Pass
3	5298.750	102.57	-2.76	--	--	Peak	0.00	100	Horizontal	N/A
3**	5298.750	95.24	-2.76	--	--	AV	0.00	100	Horizontal	N/A
4	7725.000	53.05	0.71	74.0	20.95	Peak	137.00	200	Horizontal	Pass
4**	7725.000	44.36	0.71	54.0	9.64	AV	137.00	200	Horizontal	Pass
5	11748.463	52.90	-0.21	74.0	21.10	Peak	77.00	150	Horizontal	Pass
5**	11748.463	43.41	-0.21	54.0	10.59	AV	77.00	150	Horizontal	Pass
6	16130.475	55.19	2.00	74.0	18.81	Peak	307.00	300	Horizontal	Pass
6**	16130.475	45.34	2.00	54.0	8.66	AV	307.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.100	38.45	-17.11	74.0	35.55	Peak	94.00	200	Vertical	Pass
1**	1518.100	28.68	-17.11	54.0	25.32	AV	94.00	200	Vertical	Pass
2	4309.500	47.82	-5.05	74.0	26.18	Peak	166.00	200	Vertical	Pass
2**	4309.500	37.67	-5.05	54.0	16.33	AV	166.00	200	Vertical	Pass
3	5299.000	96.88	-2.59	--	--	Peak	190.00	200	Vertical	N/A
3**	5299.000	89.58	-2.59	--	--	AV	190.00	200	Vertical	N/A
4	7712.250	53.63	1.81	74.0	20.37	Peak	71.00	100	Vertical	Pass
4**	7712.250	44.83	1.81	54.0	9.17	AV	71.00	100	Vertical	Pass
5	12251.487	53.21	1.09	74.0	20.79	Peak	28.00	200	Vertical	Pass
5**	12251.487	45.07	1.09	54.0	8.93	AV	28.00	200	Vertical	Pass
6	16098.450	54.62	1.73	74.0	19.38	Peak	200.00	200	Vertical	Pass
6**	16098.450	45.74	1.73	54.0	8.26	AV	200.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.700	38.95	-17.26	74.0	35.05	Peak	195.00	200	Horizontal	Pass
1**	1520.700	28.96	-17.26	54.0	25.04	AV	195.00	200	Horizontal	Pass
2	4286.750	47.12	-4.57	74.0	26.88	Peak	63.00	300	Horizontal	Pass
2**	4286.750	37.98	-4.57	54.0	16.02	AV	63.00	300	Horizontal	Pass
3	5321.750	101.99	-2.80	--	--	Peak	2.00	200	Horizontal	N/A
3**	5321.750	94.44	-2.80	--	--	AV	2.00	200	Horizontal	N/A
4	7711.750	53.79	2.04	74.0	20.21	Peak	305.00	200	Horizontal	Pass
4**	7711.750	44.81	2.04	54.0	9.19	AV	305.00	200	Horizontal	Pass
5	11777.675	53.04	-0.17	74.0	20.96	Peak	276.00	150	Horizontal	Pass
5**	11777.675	43.10	-0.17	54.0	10.90	AV	276.00	150	Horizontal	Pass
6	15673.463	54.78	1.89	74.0	19.22	Peak	187.00	200	Horizontal	Pass
6**	15673.463	44.56	1.89	54.0	9.44	AV	187.00	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	1610.200	38.74	-17.04	74.0	35.26	Peak	325.00	300	Vertical	Pass
1**	1610.200	29.00	-17.04	54.0	25.00	AV	325.00	300	Vertical	Pass
2	4108.250	46.90	-5.80	74.0	27.10	Peak	242.00	300	Vertical	Pass
2**	4108.250	38.07	-5.80	54.0	15.93	AV	242.00	300	Vertical	Pass
3	5321.500	97.70	-2.68	--	--	Peak	220.00	200	Vertical	N/A
3**	5321.500	90.31	-2.68	--	--	AV	220.00	200	Vertical	N/A
4	7436.750	53.03	0.78	74.0	20.97	Peak	220.00	200	Vertical	Pass
4**	7436.750	43.71	0.78	54.0	10.29	AV	220.00	200	Vertical	Pass
5	11711.651	53.02	-0.44	74.0	20.98	Peak	45.00	100	Vertical	Pass
5**	11711.651	43.18	-0.44	54.0	10.82	AV	45.00	100	Vertical	Pass
6	16092.937	55.58	1.66	74.0	18.42	Peak	149.00	100	Vertical	Pass
6**	16092.937	45.54	1.66	54.0	8.46	AV	149.00	100	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	1626.400	38.85	-16.70	74.0	35.15	Peak	247.00	100	Horizontal	Pass
1**	1626.400	29.13	-16.70	54.0	24.87	AV	247.00	100	Horizontal	Pass
2	4097.500	47.03	-5.79	74.0	26.97	Peak	318.00	200	Horizontal	Pass
2**	4097.500	37.54	-5.79	54.0	16.46	AV	318.00	200	Horizontal	Pass
3	5266.000	100.23	-2.90	--	--	Peak	16.00	100	Horizontal	N/A
3**	5266.000	91.92	-2.90	--	--	AV	16.00	100	Horizontal	N/A
4	7710.500	53.62	1.96	74.0	20.38	Peak	0.00	400	Horizontal	Pass
4**	7710.500	45.72	1.96	54.0	8.28	AV	0.00	400	Horizontal	Pass
5	11719.725	52.90	-0.39	74.0	21.10	Peak	356.00	200	Horizontal	Pass
5**	11719.725	43.26	-0.39	54.0	10.74	AV	356.00	200	Horizontal	Pass
6	16110.000	55.07	1.83	74.0	18.93	Peak	230.00	100	Horizontal	Pass
6**	16110.000	46.20	1.83	54.0	7.80	AV	230.00	100	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	1605.700	38.20	-16.94	74.0	35.80	Peak	14.00	300	Vertical	Pass
1**	1605.700	28.69	-16.94	54.0	25.31	AV	14.00	300	Vertical	Pass
2	4289.250	47.73	-4.41	74.0	26.27	Peak	244.00	100	Vertical	Pass
2**	4289.250	38.54	-4.41	54.0	15.46	AV	244.00	100	Vertical	Pass
3	5268.250	95.01	-2.77	--	--	Peak	203.00	100	Vertical	N/A
3**	5268.250	87.69	-2.77	--	--	AV	203.00	100	Vertical	N/A
4	7748.000	53.01	0.20	74.0	20.99	Peak	183.00	100	Vertical	Pass
4**	7748.000	44.33	0.20	54.0	9.67	AV	183.00	100	Vertical	Pass
5	11756.775	53.28	-0.19	74.0	20.72	Peak	330.00	200	Vertical	Pass
5**	11756.775	43.51	-0.19	54.0	10.49	AV	330.00	200	Vertical	Pass
6	16136.513	54.98	2.04	74.0	19.02	Peak	161.00	100	Vertical	Pass
6**	16136.513	46.52	2.04	54.0	7.48	AV	161.00	100	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	1612.600	38.58	-16.75	74.0	35.42	Peak	0.00	400	Horizontal	Pass
1**	1612.600	28.86	-16.75	54.0	25.14	AV	0.00	400	Horizontal	Pass
2	4368.000	47.24	-4.67	74.0	26.76	Peak	16.00	200	Horizontal	Pass
2**	4368.000	38.11	-4.67	54.0	15.89	AV	16.00	200	Horizontal	Pass
3	5303.750	99.27	-2.80	--	--	Peak	16.00	100	Horizontal	N/A
3**	5303.750	91.16	-2.80	--	--	AV	16.00	100	Horizontal	N/A
4	7703.500	53.18	1.35	74.0	20.82	Peak	219.00	200	Horizontal	Pass
4**	7703.500	44.73	1.35	54.0	9.27	AV	219.00	200	Horizontal	Pass
5	11766.038	52.58	-0.18	74.0	21.42	Peak	170.00	200	Horizontal	Pass
5**	11766.038	43.94	-0.18	54.0	10.06	AV	170.00	200	Horizontal	Pass
6	16128.638	54.95	1.98	74.0	19.05	Peak	230.00	200	Horizontal	Pass
6**	16128.638	46.20	1.98	54.0	7.80	AV	230.00	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	1611.000	38.58	-17.01	74.0	35.42	Peak	221.00	400	Vertical	Pass
1**	1611.000	29.39	-17.01	54.0	24.61	AV	221.00	400	Vertical	Pass
2	4345.750	47.34	-4.80	74.0	26.66	Peak	360.00	300	Vertical	Pass
2**	4345.750	37.13	-4.80	54.0	16.87	AV	360.00	300	Vertical	Pass
3	5307.250	94.10	-3.08	--	--	Peak	238.00	200	Vertical	N/A
3**	5307.250	86.02	-3.08	--	--	AV	238.00	200	Vertical	N/A
4	7705.250	53.81	2.03	74.0	20.19	Peak	360.00	300	Vertical	Pass
4**	7705.250	45.08	2.03	54.0	8.92	AV	360.00	300	Vertical	Pass
5	11999.737	52.79	0.46	74.0	21.21	Peak	94.00	100	Vertical	Pass
5**	11999.737	43.82	0.46	54.0	10.18	AV	94.00	100	Vertical	Pass
6	16086.112	54.87	1.57	74.0	19.13	Peak	0.00	300	Vertical	Pass
6**	16086.112	45.69	1.57	54.0	8.31	AV	0.00	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	1574.600	38.58	-16.94	74.0	35.42	Peak	298.00	300	Horizontal	Pass
1**	1574.600	29.20	-16.94	54.0	24.80	AV	298.00	300	Horizontal	Pass
2	4237.500	47.23	-5.10	74.0	26.77	Peak	0.00	200	Horizontal	Pass
2**	4237.500	37.50	-5.10	54.0	16.50	AV	0.00	200	Horizontal	Pass
3	5259.500	102.60	-2.78	--	--	Peak	12.00	150	Horizontal	N/A
3**	5259.500	95.79	-2.78	--	--	AV	12.00	150	Horizontal	N/A
4	7695.500	53.44	1.35	74.0	20.56	Peak	341.00	200	Horizontal	Pass
4**	7695.500	44.39	1.35	54.0	9.61	AV	341.00	200	Horizontal	Pass
5	11695.737	53.21	-0.59	74.0	20.79	Peak	283.00	200	Horizontal	Pass
5**	11695.737	43.72	-0.59	54.0	10.28	AV	283.00	200	Horizontal	Pass
6	16155.675	54.77	2.11	74.0	19.23	Peak	107.00	400	Horizontal	Pass
6**	16155.675	46.14	2.11	54.0	7.86	AV	107.00	400	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	1473.200	38.64	-17.31	74.0	35.36	Peak	110.00	400	Vertical	Pass
1**	1473.200	29.07	-17.31	54.0	24.93	AV	110.00	400	Vertical	Pass
2	4263.250	47.08	-4.60	74.0	26.92	Peak	118.00	300	Vertical	Pass
2**	4263.250	37.44	-4.60	54.0	16.56	AV	118.00	300	Vertical	Pass
3	5260.500	96.76	-3.00	--	--	Peak	208.00	150	Vertical	N/A
3**	5260.500	89.21	-3.00	--	--	AV	208.00	150	Vertical	N/A
4	7712.250	53.28	1.81	74.0	20.72	Peak	118.00	100	Vertical	Pass
4**	7712.250	44.57	1.81	54.0	9.43	AV	118.00	100	Vertical	Pass
5	11792.162	53.12	-0.15	74.0	20.88	Peak	132.00	100	Vertical	Pass
5**	11792.162	43.51	-0.15	54.0	10.49	AV	132.00	100	Vertical	Pass
6	16109.213	54.70	1.82	74.0	19.30	Peak	191.00	300	Vertical	Pass
6**	16109.213	46.16	1.82	54.0	7.84	AV	191.00	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	1484.300	38.19	-16.90	74.0	35.81	Peak	147.00	300	Horizontal	Pass
1**	1484.300	28.95	-16.90	54.0	25.05	AV	147.00	300	Horizontal	Pass
2	4245.000	47.15	-4.25	74.0	26.85	Peak	83.00	300	Horizontal	Pass
2**	4245.000	38.02	-4.25	54.0	15.98	AV	83.00	300	Horizontal	Pass
3	5299.250	102.21	-2.76	--	--	Peak	10.00	150	Horizontal	N/A
3**	5299.250	96.06	-2.76	--	--	AV	10.00	150	Horizontal	N/A
4	7708.250	53.23	1.90	74.0	20.77	Peak	344.00	400	Horizontal	Pass
4**	7708.250	44.70	1.90	54.0	9.30	AV	344.00	400	Horizontal	Pass
5	11762.237	53.32	-0.18	74.0	20.68	Peak	127.00	200	Horizontal	Pass
5**	11762.237	43.76	-0.18	54.0	10.24	AV	127.00	200	Horizontal	Pass
6	15930.974	55.18	1.49	74.0	18.82	Peak	112.00	100	Horizontal	Pass
6**	15930.974	45.15	1.49	54.0	8.85	AV	112.00	100	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	1442.100	38.39	-16.84	74.0	35.61	Peak	151.00	300	Vertical	Pass
1**	1442.100	28.83	-16.84	54.0	25.17	AV	151.00	300	Vertical	Pass
2	4314.500	47.51	-5.02	74.0	26.49	Peak	133.00	400	Vertical	Pass
2**	4314.500	37.85	-5.02	54.0	16.15	AV	133.00	400	Vertical	Pass
3	5298.500	96.67	-2.84	--	--	Peak	184.00	100	Vertical	N/A
3**	5298.500	89.19	-2.84	--	--	AV	184.00	100	Vertical	N/A
4	7707.500	53.58	1.49	74.0	20.42	Peak	212.00	100	Vertical	Pass
4**	7707.500	44.68	1.49	54.0	9.32	AV	212.00	100	Vertical	Pass
5	11803.325	53.31	-0.18	74.0	20.69	Peak	179.00	100	Vertical	Pass
5**	11803.325	43.40	-0.18	54.0	10.60	AV	179.00	100	Vertical	Pass
6	15702.600	55.64	1.58	74.0	18.36	Peak	13.00	200	Vertical	Pass
6**	15702.600	45.80	1.58	54.0	8.20	AV	13.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.400	38.47	-16.81	74.0	35.53	Peak	233.00	200	Horizontal	Pass
1**	1612.400	28.98	-16.81	54.0	25.02	AV	233.00	200	Horizontal	Pass
2	4385.750	47.16	-5.24	74.0	26.84	Peak	1.00	200	Horizontal	Pass
2**	4385.750	38.86	-5.24	54.0	15.14	AV	1.00	200	Horizontal	Pass
3	5317.250	102.03	-2.75	--	--	Peak	1.00	200	Horizontal	N/A
3**	5317.250	94.46	-2.75	--	--	AV	1.00	200	Horizontal	N/A
4	7705.250	53.10	2.03	74.0	20.90	Peak	95.00	400	Horizontal	Pass
4**	7705.250	45.01	2.03	54.0	8.99	AV	95.00	400	Horizontal	Pass
5	11750.362	52.78	-0.20	74.0	21.22	Peak	336.00	100	Horizontal	Pass
5**	11750.362	43.07	-0.20	54.0	10.93	AV	336.00	100	Horizontal	Pass
6	15892.125	55.23	1.97	74.0	18.77	Peak	307.00	200	Horizontal	Pass
6**	15892.125	45.26	1.97	54.0	8.74	AV	307.00	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	1612.600	38.46	-16.75	74.0	35.54	Peak	311.00	400	Vertical	Pass
1**	1612.600	30.17	-16.75	54.0	23.83	AV	311.00	400	Vertical	Pass
2	4390.000	47.15	-5.41	74.0	26.85	Peak	203.00	200	Vertical	Pass
2**	4390.000	37.55	-5.41	54.0	16.45	AV	203.00	200	Vertical	Pass
3	5321.500	97.45	-2.68	--	--	Peak	122.00	150	Vertical	N/A
3**	5321.500	90.52	-2.68	--	--	AV	122.00	150	Vertical	N/A
4	7422.250	53.69	1.22	74.0	20.31	Peak	0.00	400	Vertical	Pass
4**	7422.250	44.08	1.22	54.0	9.92	AV	0.00	400	Vertical	Pass
5	11709.750	52.64	-0.45	74.0	21.36	Peak	140.00	200	Vertical	Pass
5**	11709.750	43.89	-0.45	54.0	10.11	AV	140.00	200	Vertical	Pass
6	16095.825	55.44	1.70	74.0	18.56	Peak	130.00	400	Vertical	Pass
6**	16095.825	45.39	1.70	54.0	8.61	AV	130.00	400	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	1604.000	39.08	-16.82	74.0	34.92	Peak	213.00	100	Horizontal	Pass
1**	1604.000	29.38	-16.82	54.0	24.62	AV	213.00	100	Horizontal	Pass
2	4382.000	47.05	-5.36	74.0	26.95	Peak	16.00	300	Horizontal	Pass
2**	4382.000	37.52	-5.36	54.0	16.48	AV	16.00	300	Horizontal	Pass
3	5268.750	99.83	-2.67	--	--	Peak	16.00	150	Horizontal	N/A
3**	5268.750	93.32	-2.67	--	--	AV	16.00	150	Horizontal	N/A
4	7551.750	52.99	0.01	74.0	21.01	Peak	320.00	300	Horizontal	Pass
4**	7551.750	42.49	0.01	54.0	11.51	AV	320.00	300	Horizontal	Pass
5	12016.362	53.21	0.25	74.0	20.79	Peak	256.00	100	Horizontal	Pass
5**	12016.362	43.20	0.25	54.0	10.80	AV	256.00	100	Horizontal	Pass
6	16068.525	55.01	1.33	74.0	18.99	Peak	79.00	300	Horizontal	Pass
6**	16068.525	45.11	1.33	54.0	8.89	AV	79.00	300	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	1446.800	38.42	-16.99	74.0	35.58	Peak	0.00	200	Vertical	Pass
1**	1446.800	28.75	-16.99	54.0	25.25	AV	0.00	200	Vertical	Pass
2	4112.250	47.10	-5.71	74.0	26.90	Peak	119.00	300	Vertical	Pass
2**	4112.250	38.82	-5.71	54.0	15.18	AV	119.00	300	Vertical	Pass
3	5268.000	94.57	-2.68	--	--	Peak	202.00	100	Vertical	N/A
3**	5268.000	87.24	-2.68	--	--	AV	202.00	100	Vertical	N/A
4	7441.000	53.23	0.73	74.0	20.77	Peak	182.00	200	Vertical	Pass
4**	7441.000	44.15	0.73	54.0	9.85	AV	182.00	200	Vertical	Pass
5	12279.987	53.15	0.77	74.0	20.85	Peak	320.00	100	Vertical	Pass
5**	12279.987	43.38	0.77	54.0	10.62	AV	320.00	100	Vertical	Pass
6	15438.000	55.27	2.19	74.0	18.73	Peak	244.00	200	Vertical	Pass
6**	15438.000	45.52	2.19	54.0	8.48	AV	244.00	200	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	1442.300	38.31	-16.70	74.0	35.69	Peak	80.00	300	Horizontal	Pass
1**	1442.300	29.91	-16.70	54.0	24.09	AV	80.00	300	Horizontal	Pass
2	4103.750	47.07	-5.70	74.0	26.93	Peak	177.00	100	Horizontal	Pass
2**	4103.750	38.05	-5.70	54.0	15.95	AV	177.00	100	Horizontal	Pass
3	5306.250	99.56	-2.73	--	--	Peak	16.00	150	Horizontal	N/A
3**	5306.250	91.70	-2.73	--	--	AV	16.00	150	Horizontal	N/A
4	7656.750	52.94	1.29	74.0	21.06	Peak	238.00	200	Horizontal	Pass
4**	7656.750	42.97	1.29	54.0	11.03	AV	238.00	200	Horizontal	Pass
5	12514.400	53.04	1.36	74.0	20.96	Peak	358.00	150	Horizontal	Pass
5**	12514.400	43.13	1.36	54.0	10.87	AV	358.00	150	Horizontal	Pass
6	15916.013	55.10	1.75	74.0	18.90	Peak	173.00	300	Horizontal	Pass
6**	15916.013	45.27	1.75	54.0	8.73	AV	173.00	300	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	1612.900	38.34	-16.63	74.0	35.66	Peak	360.00	100	Vertical	Pass
1**	1612.900	29.68	-16.63	54.0	24.32	AV	360.00	100	Vertical	Pass
2	4322.500	47.36	-5.07	74.0	26.64	Peak	158.00	300	Vertical	Pass
2**	4322.500	37.73	-5.07	54.0	16.27	AV	158.00	300	Vertical	Pass
3	5311.500	93.94	-3.26	--	--	Peak	138.00	150	Vertical	N/A
3**	5311.500	86.18	-3.26	--	--	AV	138.00	150	Vertical	N/A
4	7431.000	53.32	1.14	74.0	20.68	Peak	238.00	100	Vertical	Pass
4**	7431.000	44.30	1.14	54.0	9.70	AV	238.00	100	Vertical	Pass
5	12009.713	52.82	0.34	74.0	21.18	Peak	300.00	150	Vertical	Pass
5**	12009.713	43.46	0.34	54.0	10.54	AV	300.00	150	Vertical	Pass
6	16138.613	54.64	2.06	74.0	19.36	Peak	299.00	200	Vertical	Pass
6**	16138.613	45.54	2.06	54.0	8.46	AV	299.00	200	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	1606.900	38.73	-16.73	74.0	35.27	Peak	261.00	100	Horizontal	Pass
1**	1606.900	29.64	-16.73	54.0	24.36	AV	261.00	100	Horizontal	Pass
2	4322.250	47.57	-5.05	74.0	26.43	Peak	55.00	200	Horizontal	Pass
2**	4322.250	37.49	-5.05	54.0	16.51	AV	55.00	200	Horizontal	Pass
3	5287.250	96.76	-2.87	--	--	Peak	14.00	150	Horizontal	N/A
3**	5287.250	89.59	-2.87	--	--	AV	14.00	150	Horizontal	N/A
4	7406.750	54.04	0.52	74.0	19.96	Peak	360.00	300	Horizontal	Pass
4**	7406.750	43.29	0.52	54.0	10.71	AV	360.00	300	Horizontal	Pass
5	12199.950	53.45	0.40	74.0	20.55	Peak	54.00	200	Horizontal	Pass
5**	12199.950	43.28	0.40	54.0	10.72	AV	54.00	200	Horizontal	Pass
6	15906.300	55.07	1.92	74.0	18.93	Peak	159.00	300	Horizontal	Pass
6**	15906.300	45.87	1.92	54.0	8.13	AV	159.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1452.900	38.27	-16.97	74.0	35.73	Peak	360.00	400	Vertical	Pass
1**	1452.900	29.08	-16.97	54.0	24.92	AV	360.00	400	Vertical	Pass
2	4222.250	47.29	-5.11	74.0	26.71	Peak	16.00	400	Vertical	Pass
2**	4222.250	38.65	-5.11	54.0	15.35	AV	16.00	400	Vertical	Pass
3	5271.250	91.24	-2.73	--	--	Peak	230.00	100	Vertical	N/A
3**	5271.250	83.13	-2.73	--	--	AV	230.00	100	Vertical	N/A
4	7705.750	53.50	1.53	74.0	20.50	Peak	123.00	100	Vertical	Pass
4**	7705.750	44.42	1.53	54.0	9.58	AV	123.00	100	Vertical	Pass
5	11777.438	53.10	-0.17	74.0	20.90	Peak	217.00	150	Vertical	Pass
5**	11777.438	43.21	-0.17	54.0	10.79	AV	217.00	150	Vertical	Pass
6	16132.575	54.59	2.01	74.0	19.41	Peak	270.00	200	Vertical	Pass
6**	16132.575	47.49	2.01	54.0	6.51	AV	270.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.600	38.51	-16.75	74.0	35.49	Peak	266.00	400	Horizontal	Pass
1**	1612.600	29.55	-16.75	54.0	24.45	AV	266.00	400	Horizontal	Pass
2	4291.250	46.94	-4.68	74.0	27.06	Peak	137.00	300	Horizontal	Pass
2**	4291.250	38.15	-4.68	54.0	15.85	AV	137.00	300	Horizontal	Pass
3	5497.500	96.72	-2.69	--	--	Peak	19.00	150	Horizontal	N/A
3**	5497.500	88.48	-2.69	--	--	AV	19.00	150	Horizontal	N/A
4	7251.250	53.38	-0.31	74.0	20.62	Peak	160.00	400	Horizontal	Pass
4**	7251.250	42.70	-0.31	54.0	11.30	AV	160.00	400	Horizontal	Pass
5	11804.512	53.61	-0.20	74.0	20.39	Peak	244.00	150	Horizontal	Pass
5**	11804.512	44.61	-0.20	54.0	9.39	AV	244.00	150	Horizontal	Pass
6	15909.975	55.52	1.85	74.0	18.48	Peak	64.00	100	Horizontal	Pass
6**	15909.975	45.76	1.85	54.0	8.24	AV	64.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.400	38.67	-16.99	74.0	35.33	Peak	153.00	400	Vertical	Pass
1**	1524.400	29.24	-16.99	54.0	24.76	AV	153.00	400	Vertical	Pass
2	4160.500	47.12	-5.62	74.0	26.88	Peak	236.00	100	Vertical	Pass
2**	4160.500	37.79	-5.62	54.0	16.21	AV	236.00	100	Vertical	Pass
3	5498.750	93.17	-2.54	--	--	Peak	128.00	200	Vertical	N/A
3**	5498.750	86.27	-2.54	--	--	AV	128.00	200	Vertical	N/A
4	7711.500	53.77	1.98	74.0	20.23	Peak	172.00	100	Vertical	Pass
4**	7711.500	44.47	1.98	54.0	9.53	AV	172.00	100	Vertical	Pass
5	11797.625	52.99	-0.15	74.0	21.01	Peak	12.00	150	Vertical	Pass
5**	11797.625	43.94	-0.15	54.0	10.06	AV	12.00	150	Vertical	Pass
6	16138.087	54.95	2.06	74.0	19.05	Peak	342.00	300	Vertical	Pass
6**	16138.087	45.95	2.06	54.0	8.05	AV	342.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.400	39.37	-16.38	74.0	34.63	Peak	69.00	300	Horizontal	Pass
1**	1512.400	29.24	-16.38	54.0	24.76	AV	69.00	300	Horizontal	Pass
2	4208.000	47.37	-5.03	74.0	26.63	Peak	360.00	100	Horizontal	Pass
2**	4208.000	37.60	-5.03	54.0	16.40	AV	360.00	100	Horizontal	Pass
3	5578.500	96.04	-2.10	--	--	Peak	16.00	150	Horizontal	N/A
3**	5578.500	88.40	-2.10	--	--	AV	16.00	150	Horizontal	N/A
4	7705.000	53.24	2.03	74.0	20.76	Peak	57.00	200	Horizontal	Pass
4**	7705.000	45.17	2.03	54.0	8.83	AV	57.00	200	Horizontal	Pass
5	12252.912	53.25	1.07	74.0	20.75	Peak	283.00	150	Horizontal	Pass
5**	12252.912	43.65	1.07	54.0	10.35	AV	283.00	150	Horizontal	Pass
6	15903.150	55.51	1.97	74.0	18.49	Peak	145.00	100	Horizontal	Pass
6**	15903.150	45.70	1.97	54.0	8.30	AV	145.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1589.900	38.26	-17.23	74.0	35.74	Peak	167.00	100	Vertical	Pass
1**	1589.900	28.76	-17.23	54.0	25.24	AV	167.00	100	Vertical	Pass
2	4332.000	47.03	-4.62	74.0	26.97	Peak	38.00	400	Vertical	Pass
2**	4332.000	38.83	-4.62	54.0	15.17	AV	38.00	400	Vertical	Pass
3	5581.000	93.34	-1.98	--	--	Peak	144.00	150	Vertical	N/A
3**	5581.000	85.81	-1.98	--	--	AV	144.00	150	Vertical	N/A
4	7704.750	53.15	2.00	74.0	20.85	Peak	166.00	300	Vertical	Pass
4**	7704.750	44.83	2.00	54.0	9.17	AV	166.00	300	Vertical	Pass
5	12261.463	53.15	0.98	74.0	20.85	Peak	347.00	150	Vertical	Pass
5**	12261.463	43.74	0.98	54.0	10.26	AV	347.00	150	Vertical	Pass
6	15898.424	54.87	2.01	74.0	19.13	Peak	81.00	100	Vertical	Pass
6**	15898.424	46.51	2.01	54.0	7.49	AV	81.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.600	38.42	-16.90	74.0	35.58	Peak	360.00	200	Horizontal	Pass
1**	1442.600	29.00	-16.90	54.0	25.00	AV	360.00	200	Horizontal	Pass
2	4140.000	47.10	-5.62	74.0	26.90	Peak	272.00	400	Horizontal	Pass
2**	4140.000	37.25	-5.62	54.0	16.75	AV	272.00	400	Horizontal	Pass
3	5703.750	94.79	-2.35	--	--	Peak	17.00	150	Horizontal	N/A
3**	5703.750	86.96	-2.35	--	--	AV	17.00	150	Horizontal	N/A
4	7721.750	53.49	0.97	74.0	20.51	Peak	359.00	300	Horizontal	Pass
4**	7721.750	44.31	0.97	54.0	9.69	AV	359.00	300	Horizontal	Pass
5	12511.075	52.52	1.37	74.0	21.48	Peak	273.00	150	Horizontal	Pass
5**	12511.075	42.84	1.37	54.0	11.16	AV	273.00	150	Horizontal	Pass
6	15889.762	54.83	1.95	74.0	19.17	Peak	4.00	300	Horizontal	Pass
6**	15889.762	45.97	1.95	54.0	8.03	AV	4.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.400	38.89	-16.81	74.0	35.11	Peak	314.00	400	Vertical	Pass
1**	1511.400	29.03	-16.81	54.0	24.97	AV	314.00	400	Vertical	Pass
2	4262.500	47.07	-4.38	74.0	26.93	Peak	314.00	100	Vertical	Pass
2**	4262.500	37.52	-4.38	54.0	16.48	AV	314.00	100	Vertical	Pass
3	5698.500	93.90	-2.31	--	--	Peak	123.00	150	Vertical	N/A
3**	5698.500	86.05	-2.31	--	--	AV	123.00	150	Vertical	N/A
4	7706.500	53.77	1.58	74.0	20.23	Peak	38.00	100	Vertical	Pass
4**	7706.500	44.77	1.58	54.0	9.23	AV	38.00	100	Vertical	Pass
5	12200.188	52.56	0.41	74.0	21.44	Peak	216.00	150	Vertical	Pass
5**	12200.188	42.61	0.41	54.0	11.39	AV	216.00	150	Vertical	Pass
6	16146.750	54.80	2.13	74.0	19.20	Peak	203.00	400	Vertical	Pass
6**	16146.750	45.65	2.13	54.0	8.35	AV	203.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1610.500	38.71	-17.12	74.0	35.29	Peak	49.00	300	Horizontal	Pass
1**	1610.500	28.60	-17.12	54.0	25.40	AV	49.00	300	Horizontal	Pass
2	4362.500	47.42	-5.02	74.0	26.58	Peak	294.00	200	Horizontal	Pass
2**	4362.500	37.04	-5.02	54.0	16.96	AV	294.00	200	Horizontal	Pass
3	5496.000	96.52	-2.44	--	--	Peak	19.00	200	Horizontal	N/A
3**	5496.000	89.14	-2.44	--	--	AV	19.00	200	Horizontal	N/A
4	7312.500	53.10	0.79	74.0	20.90	Peak	335.00	400	Horizontal	Pass
4**	7312.500	43.61	0.79	54.0	10.39	AV	335.00	400	Horizontal	Pass
5	11763.662	53.58	-0.18	74.0	20.42	Peak	55.00	150	Horizontal	Pass
5**	11763.662	43.29	-0.18	54.0	10.71	AV	55.00	150	Horizontal	Pass
6	16126.537	54.95	1.96	74.0	19.05	Peak	120.00	200	Horizontal	Pass
6**	16126.537	46.57	1.96	54.0	7.43	AV	120.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.500	38.09	-17.04	74.0	35.91	Peak	1.00	300	Vertical	Pass
1**	1615.500	29.27	-17.04	54.0	24.73	AV	1.00	300	Vertical	Pass
2	4286.750	48.03	-4.57	74.0	25.97	Peak	82.00	200	Vertical	Pass
2**	4286.750	40.17	-4.57	54.0	13.83	AV	82.00	200	Vertical	Pass
3	5498.750	93.03	-2.54	--	--	Peak	124.00	200	Vertical	N/A
3**	5498.750	86.09	-2.54	--	--	AV	124.00	200	Vertical	N/A
4	7483.250	53.25	1.17	74.0	20.75	Peak	60.00	200	Vertical	Pass
4**	7483.250	44.32	1.17	54.0	9.68	AV	60.00	200	Vertical	Pass
5	11805.225	53.03	-0.21	74.0	20.97	Peak	107.00	150	Vertical	Pass
5**	11805.225	43.83	-0.21	54.0	10.17	AV	107.00	150	Vertical	Pass
6	16130.737	54.85	2.00	74.0	19.15	Peak	65.00	300	Vertical	Pass
6**	16130.737	46.45	2.00	54.0	7.55	AV	65.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1608.000	38.69	-17.07	74.0	35.31	Peak	305.00	400	Horizontal	Pass
1**	1608.000	29.64	-17.07	54.0	24.36	AV	305.00	400	Horizontal	Pass
2	4295.500	48.55	-5.13	74.0	25.45	Peak	120.00	400	Horizontal	Pass
2**	4295.500	37.34	-5.13	54.0	16.66	AV	120.00	400	Horizontal	Pass
3	5581.500	95.81	-1.94	--	--	Peak	16.00	100	Horizontal	N/A
3**	5581.500	88.13	-1.94	--	--	AV	16.00	100	Horizontal	N/A
4	7713.750	53.69	1.83	74.0	20.31	Peak	360.00	200	Horizontal	Pass
4**	7713.750	44.23	1.83	54.0	9.77	AV	360.00	200	Horizontal	Pass
5	12220.137	53.63	0.69	74.0	20.37	Peak	19.00	150	Horizontal	Pass
5**	12220.137	43.66	0.69	54.0	10.34	AV	19.00	150	Horizontal	Pass
6	16096.874	54.68	1.71	74.0	19.32	Peak	322.00	400	Horizontal	Pass
6**	16096.874	45.94	1.71	54.0	8.06	AV	322.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.100	39.15	-16.98	74.0	34.85	Peak	41.00	400	Vertical	Pass
1**	1501.100	28.85	-16.98	54.0	25.15	AV	41.00	400	Vertical	Pass
2	4159.500	47.01	-5.68	74.0	26.99	Peak	189.00	400	Vertical	Pass
2**	4159.500	36.70	-5.68	54.0	17.30	AV	189.00	400	Vertical	Pass
3	5581.500	93.01	-1.94	--	--	Peak	140.00	100	Vertical	N/A
3**	5581.500	85.51	-1.94	--	--	AV	140.00	100	Vertical	N/A
4	7426.750	53.75	1.20	74.0	20.25	Peak	92.00	400	Vertical	Pass
4**	7426.750	43.97	1.20	54.0	10.03	AV	92.00	400	Vertical	Pass
5	12246.500	52.69	1.05	74.0	21.31	Peak	327.00	150	Vertical	Pass
5**	12246.500	44.00	1.05	54.0	10.00	AV	327.00	150	Vertical	Pass
6	15934.913	55.33	1.42	74.0	18.67	Peak	69.00	400	Vertical	Pass
6**	15934.913	44.99	1.42	54.0	9.01	AV	69.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.200	38.63	-17.02	74.0	35.37	Peak	337.00	300	Horizontal	Pass
1**	1489.200	28.78	-17.02	54.0	25.22	AV	337.00	300	Horizontal	Pass
2	4277.750	47.12	-5.18	74.0	26.88	Peak	99.00	300	Horizontal	Pass
2**	4277.750	37.27	-5.18	54.0	16.73	AV	99.00	300	Horizontal	Pass
3	5702.750	95.32	-2.40	--	--	Peak	16.00	150	Horizontal	N/A
3**	5702.750	86.83	-2.40	--	--	AV	16.00	150	Horizontal	N/A
4	7706.000	53.20	1.53	74.0	20.80	Peak	0.00	200	Horizontal	Pass
4**	7706.000	44.54	1.53	54.0	9.46	AV	0.00	200	Horizontal	Pass
5	11803.325	52.62	-0.18	74.0	21.38	Peak	256.00	100	Horizontal	Pass
5**	11803.325	43.53	-0.18	54.0	10.47	AV	256.00	100	Horizontal	Pass
6	15895.537	54.36	1.99	74.0	19.64	Peak	281.00	400	Horizontal	Pass
6**	15895.537	45.92	1.99	54.0	8.08	AV	281.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.200	38.66	-16.87	74.0	35.34	Peak	346.00	200	Vertical	Pass
1**	1499.200	29.71	-16.87	54.0	24.29	AV	346.00	200	Vertical	Pass
2	4104.250	47.19	-5.86	74.0	26.81	Peak	230.00	200	Vertical	Pass
2**	4104.250	37.63	-5.86	54.0	16.37	AV	230.00	200	Vertical	Pass
3	5698.750	93.52	-2.24	--	--	Peak	121.00	100	Vertical	N/A
3**	5698.750	86.49	-2.24	--	--	AV	121.00	100	Vertical	N/A
4	7487.250	53.22	1.19	74.0	20.78	Peak	208.00	200	Vertical	Pass
4**	7487.250	45.44	1.19	54.0	8.56	AV	208.00	200	Vertical	Pass
5	11782.901	52.61	-0.16	74.0	21.39	Peak	307.00	150	Vertical	Pass
5**	11782.901	43.97	-0.16	54.0	10.03	AV	307.00	150	Vertical	Pass
6	16121.813	54.84	1.93	74.0	19.16	Peak	232.00	200	Vertical	Pass
6**	16121.813	45.83	1.93	54.0	8.17	AV	232.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.800	38.79	-17.03	74.0	35.21	Peak	188.00	300	Horizontal	Pass
1**	1441.800	29.60	-17.03	54.0	24.40	AV	188.00	300	Horizontal	Pass
2	4320.750	47.75	-4.72	74.0	26.25	Peak	360.00	300	Horizontal	Pass
2**	4320.750	37.98	-4.72	54.0	16.02	AV	360.00	300	Horizontal	Pass
3	5508.500	93.41	-2.88	--	--	Peak	36.00	150	Horizontal	N/A
3**	5508.500	86.49	-2.88	--	--	AV	36.00	150	Horizontal	N/A
4	7692.500	53.84	0.97	74.0	20.16	Peak	57.00	100	Horizontal	Pass
4**	7692.500	44.38	0.97	54.0	9.62	AV	57.00	100	Horizontal	Pass
5	12236.287	52.99	0.91	74.0	21.01	Peak	242.00	200	Horizontal	Pass
5**	12236.287	43.86	0.91	54.0	10.14	AV	242.00	200	Horizontal	Pass
6	15906.562	55.60	1.91	74.0	18.40	Peak	162.00	200	Horizontal	Pass
6**	15906.562	46.07	1.91	54.0	7.93	AV	162.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.000	38.86	-17.20	74.0	35.14	Peak	175.00	100	Vertical	Pass
1**	1551.000	28.81	-17.20	54.0	25.19	AV	175.00	100	Vertical	Pass
2	3984.250	47.80	-5.66	74.0	26.20	Peak	79.00	200	Vertical	Pass
2**	3984.250	36.99	-5.66	54.0	17.01	AV	79.00	200	Vertical	Pass
3	5512.000	90.64	-3.05	--	--	Peak	140.00	100	Vertical	N/A
3**	5512.000	83.12	-3.05	--	--	AV	140.00	100	Vertical	N/A
4	7716.250	53.21	1.36	74.0	20.79	Peak	79.00	300	Vertical	Pass
4**	7716.250	44.09	1.36	54.0	9.91	AV	79.00	300	Vertical	Pass
5	11788.838	53.37	-0.16	74.0	20.63	Peak	337.00	150	Vertical	Pass
5**	11788.838	43.77	-0.16	54.0	10.23	AV	337.00	150	Vertical	Pass
6	16120.237	54.83	1.91	74.0	19.17	Peak	232.00	100	Vertical	Pass
6**	16120.237	45.02	1.91	54.0	8.98	AV	232.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.400	39.24	-16.73	74.0	34.76	Peak	246.00	100	Horizontal	Pass
1**	1606.400	29.14	-16.73	54.0	24.86	AV	246.00	100	Horizontal	Pass
2	4182.500	46.73	-5.41	74.0	27.27	Peak	0.00	300	Horizontal	Pass
2**	4182.500	37.93	-5.41	54.0	16.07	AV	0.00	300	Horizontal	Pass
3	5588.000	92.27	-2.17	--	--	Peak	36.00	200	Horizontal	N/A
3**	5588.000	84.33	-2.17	--	--	AV	36.00	200	Horizontal	N/A
4	7684.750	53.31	0.90	74.0	20.69	Peak	360.00	100	Horizontal	Pass
4**	7684.750	43.77	0.90	54.0	10.23	AV	360.00	100	Horizontal	Pass
5	12266.687	52.95	0.92	74.0	21.05	Peak	114.00	100	Horizontal	Pass
5**	12266.687	43.24	0.92	54.0	10.76	AV	114.00	100	Horizontal	Pass
6	16137.825	55.03	2.05	74.0	18.97	Peak	169.00	400	Horizontal	Pass
6**	16137.825	45.86	2.05	54.0	8.14	AV	169.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.500	38.37	-17.01	74.0	35.63	Peak	144.00	400	Vertical	Pass
1**	1602.500	28.92	-17.01	54.0	25.08	AV	144.00	400	Vertical	Pass
2	4253.750	47.18	-4.20	74.0	26.82	Peak	0.00	300	Vertical	Pass
2**	4253.750	37.80	-4.20	54.0	16.20	AV	0.00	300	Vertical	Pass
3	5595.250	90.13	-2.27	--	--	Peak	162.00	100	Vertical	N/A
3**	5595.250	80.91	-2.27	--	--	AV	162.00	100	Vertical	N/A
4	7711.000	53.58	1.81	74.0	20.42	Peak	187.00	200	Vertical	Pass
4**	7711.000	44.82	1.81	54.0	9.18	AV	187.00	200	Vertical	Pass
5	12252.675	53.11	1.07	74.0	20.89	Peak	200.00	100	Vertical	Pass
5**	12252.675	43.76	1.07	54.0	10.24	AV	200.00	100	Vertical	Pass
6	16080.075	54.83	1.49	74.0	19.17	Peak	120.00	100	Vertical	Pass
6**	16080.075	46.02	1.49	54.0	7.98	AV	120.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.000	38.59	-16.99	74.0	35.41	Peak	214.00	200	Horizontal	Pass
1**	1515.000	28.58	-16.99	54.0	25.42	AV	214.00	200	Horizontal	Pass
2	4120.750	47.20	-5.43	74.0	26.80	Peak	360.00	100	Horizontal	Pass
2**	4120.750	36.98	-5.43	54.0	17.02	AV	360.00	100	Horizontal	Pass
3	5668.250	92.48	-2.51	--	--	Peak	17.00	200	Horizontal	N/A
3**	5668.250	84.95	-2.51	--	--	AV	17.00	200	Horizontal	N/A
4	7693.000	53.18	0.83	74.0	20.82	Peak	175.00	100	Horizontal	Pass
4**	7693.000	44.16	0.83	54.0	9.84	AV	175.00	100	Horizontal	Pass
5	12569.975	52.57	0.80	74.0	21.43	Peak	139.00	100	Horizontal	Pass
5**	12569.975	41.99	0.80	54.0	12.01	AV	139.00	100	Horizontal	Pass
6	15901.575	55.02	2.00	74.0	18.98	Peak	115.00	300	Horizontal	Pass
6**	15901.575	45.94	2.00	54.0	8.06	AV	115.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1521.600	38.69	-17.28	74.0	35.31	Peak	276.00	400	Vertical	Pass
1**	1521.600	29.04	-17.28	54.0	24.96	AV	276.00	400	Vertical	Pass
2	4331.750	47.53	-4.61	74.0	26.47	Peak	106.00	400	Vertical	Pass
2**	4331.750	38.25	-4.61	54.0	15.75	AV	106.00	400	Vertical	Pass
3	5666.750	90.56	-2.54	--	--	Peak	128.00	200	Vertical	N/A
3**	5666.750	83.06	-2.54	--	--	AV	128.00	200	Vertical	N/A
4	7588.250	53.80	0.81	74.0	20.20	Peak	216.00	200	Vertical	Pass
4**	7588.250	43.69	0.81	54.0	10.31	AV	216.00	200	Vertical	Pass
5	11704.050	53.32	-0.49	74.0	20.68	Peak	280.00	200	Vertical	Pass
5**	11704.050	43.50	-0.49	54.0	10.50	AV	280.00	200	Vertical	Pass
6	16127.849	54.97	1.97	74.0	19.03	Peak	11.00	200	Vertical	Pass
6**	16127.849	46.14	1.97	54.0	7.86	AV	11.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.200	38.69	-17.10	74.0	35.31	Peak	97.00	200	Horizontal	Pass
1**	1534.200	29.00	-17.10	54.0	25.00	AV	97.00	200	Horizontal	Pass
2	4363.000	47.67	-4.96	74.0	26.33	Peak	187.00	200	Horizontal	Pass
2**	4363.000	38.72	-4.96	54.0	15.28	AV	187.00	200	Horizontal	Pass
3	5498.250	96.26	-2.67	--	--	Peak	17.00	200	Horizontal	N/A
3**	5498.250	88.62	-2.67	--	--	AV	17.00	200	Horizontal	N/A
4	7698.750	54.15	0.94	74.0	19.85	Peak	165.00	400	Horizontal	Pass
4**	7698.750	44.87	0.94	54.0	9.13	AV	165.00	400	Horizontal	Pass
5	12417.025	53.27	1.08	74.0	20.73	Peak	244.00	100	Horizontal	Pass
5**	12417.025	43.69	1.08	54.0	10.31	AV	244.00	100	Horizontal	Pass
6	15435.900	55.14	2.24	74.0	18.86	Peak	333.00	100	Horizontal	Pass
6**	15435.900	44.69	2.24	54.0	9.31	AV	333.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.000	38.90	-17.33	74.0	35.10	Peak	0.00	100	Vertical	Pass
1**	1555.000	28.88	-17.33	54.0	25.12	AV	0.00	100	Vertical	Pass
2	4186.750	47.81	-5.33	74.0	26.19	Peak	40.00	100	Vertical	Pass
2**	4186.750	37.07	-5.33	54.0	16.93	AV	40.00	100	Vertical	Pass
3	5498.000	93.44	-2.51	--	--	Peak	154.00	100	Vertical	N/A
3**	5498.000	86.35	-2.51	--	--	AV	154.00	100	Vertical	N/A
4	7711.000	53.33	1.81	74.0	20.67	Peak	86.00	300	Vertical	Pass
4**	7711.000	44.61	1.81	54.0	9.39	AV	86.00	300	Vertical	Pass
5	12222.513	53.06	0.72	74.0	20.94	Peak	360.00	150	Vertical	Pass
5**	12222.513	42.85	0.72	54.0	11.15	AV	360.00	150	Vertical	Pass
6	16114.201	56.70	1.86	74.0	17.30	Peak	340.00	300	Vertical	Pass
6**	16114.201	45.74	1.86	54.0	8.26	AV	340.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.500	38.38	-17.01	74.0	35.62	Peak	220.00	100	Horizontal	Pass
1**	1594.500	28.65	-17.01	54.0	25.35	AV	220.00	100	Horizontal	Pass
2	4366.750	47.19	-4.85	74.0	26.81	Peak	152.00	200	Horizontal	Pass
2**	4366.750	37.81	-4.85	54.0	16.19	AV	152.00	200	Horizontal	Pass
3	5581.250	96.09	-1.94	--	--	Peak	18.00	100	Horizontal	N/A
3**	5581.250	88.78	-1.94	--	--	AV	18.00	100	Horizontal	N/A
4	7420.000	53.12	1.50	74.0	20.88	Peak	360.00	100	Horizontal	Pass
4**	7420.000	45.41	1.50	54.0	8.59	AV	360.00	100	Horizontal	Pass
5	12533.401	52.84	1.25	74.0	21.16	Peak	356.00	150	Horizontal	Pass
5**	12533.401	43.51	1.25	54.0	10.49	AV	356.00	150	Horizontal	Pass
6	16107.638	55.19	1.81	74.0	18.81	Peak	261.00	100	Horizontal	Pass
6**	16107.638	45.51	1.81	54.0	8.49	AV	261.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1558.800	39.14	-17.08	74.0	34.86	Peak	66.00	300	Vertical	Pass
1**	1558.800	28.62	-17.08	54.0	25.38	AV	66.00	300	Vertical	Pass
2	4299.250	47.12	-5.45	74.0	26.88	Peak	289.00	400	Vertical	Pass
2**	4299.250	37.49	-5.45	54.0	16.51	AV	289.00	400	Vertical	Pass
3	5582.000	92.89	-2.06	--	--	Peak	140.00	200	Vertical	N/A
3**	5582.000	85.04	-2.06	--	--	AV	140.00	200	Vertical	N/A
4	7709.500	53.18	1.88	74.0	20.82	Peak	0.00	200	Vertical	Pass
4**	7709.500	45.07	1.88	54.0	8.93	AV	0.00	200	Vertical	Pass
5	12460.013	53.10	1.12	74.0	20.90	Peak	133.00	200	Vertical	Pass
5**	12460.013	43.02	1.12	54.0	10.98	AV	133.00	200	Vertical	Pass
6	16124.438	54.46	1.95	74.0	19.54	Peak	67.00	300	Vertical	Pass
6**	16124.438	45.96	1.95	54.0	8.04	AV	67.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.300	38.69	-16.70	74.0	35.31	Peak	38.00	300	Horizontal	Pass
1**	1442.300	30.04	-16.70	54.0	23.96	AV	38.00	300	Horizontal	Pass
2	4262.750	47.01	-4.90	74.0	26.99	Peak	325.00	400	Horizontal	Pass
2**	4262.750	37.53	-4.90	54.0	16.47	AV	325.00	400	Horizontal	Pass
3	5698.250	95.39	-2.31	--	--	Peak	18.00	200	Horizontal	N/A
3**	5698.250	87.49	-2.31	--	--	AV	18.00	200	Horizontal	N/A
4	7708.750	53.31	1.82	74.0	20.69	Peak	261.00	400	Horizontal	Pass
4**	7708.750	45.65	1.82	54.0	8.35	AV	261.00	400	Horizontal	Pass
5	12225.838	52.89	0.77	74.0	21.11	Peak	49.00	200	Horizontal	Pass
5**	12225.838	42.77	0.77	54.0	11.23	AV	49.00	200	Horizontal	Pass
6	16072.724	54.89	1.39	74.0	19.11	Peak	358.00	400	Horizontal	Pass
6**	16072.724	45.07	1.39	54.0	8.93	AV	358.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.300	38.29	-17.03	74.0	35.71	Peak	314.00	300	Vertical	Pass
1**	1601.300	30.16	-17.03	54.0	23.84	AV	314.00	300	Vertical	Pass
2	4338.500	48.31	-4.93	74.0	25.69	Peak	277.00	300	Vertical	Pass
2**	4338.500	37.97	-4.93	54.0	16.03	AV	277.00	300	Vertical	Pass
3	5701.500	93.79	-2.41	--	--	Peak	138.00	100	Vertical	N/A
3**	5701.500	86.26	-2.41	--	--	AV	138.00	100	Vertical	N/A
4	7418.000	54.25	0.97	74.0	19.75	Peak	211.00	100	Vertical	Pass
4**	7418.000	44.15	0.97	54.0	9.85	AV	211.00	100	Vertical	Pass
5	11761.050	53.37	-0.18	74.0	20.63	Peak	181.00	150	Vertical	Pass
5**	11761.050	43.97	-0.18	54.0	10.03	AV	181.00	150	Vertical	Pass
6	16102.651	55.07	1.77	74.0	18.93	Peak	140.00	400	Vertical	Pass
6**	16102.651	45.78	1.77	54.0	8.22	AV	140.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.900	38.76	-17.15	74.0	35.24	Peak	132.00	300	Horizontal	Pass
1**	1493.900	29.13	-17.15	54.0	24.87	AV	132.00	300	Horizontal	Pass
2	4347.500	47.03	-4.70	74.0	26.97	Peak	247.00	400	Horizontal	Pass
2**	4347.500	37.19	-4.70	54.0	16.81	AV	247.00	400	Horizontal	Pass
3	5501.750	93.56	-2.67	--	--	Peak	38.00	150	Horizontal	N/A
3**	5501.750	85.12	-2.67	--	--	AV	38.00	150	Horizontal	N/A
4	7705.250	53.18	2.03	74.0	20.82	Peak	79.00	400	Horizontal	Pass
4**	7705.250	45.32	2.03	54.0	8.68	AV	79.00	400	Horizontal	Pass
5	11739.437	53.42	-0.26	74.0	20.58	Peak	276.00	200	Horizontal	Pass
5**	11739.437	43.00	-0.26	54.0	11.00	AV	276.00	200	Horizontal	Pass
6	16080.338	54.72	1.49	74.0	19.28	Peak	57.00	300	Horizontal	Pass
6**	16080.338	45.81	1.49	54.0	8.19	AV	57.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.200	38.89	-16.78	74.0	35.11	Peak	122.00	400	Vertical	Pass
1**	1582.200	29.58	-16.78	54.0	24.42	AV	122.00	400	Vertical	Pass
2	4290.000	47.37	-4.89	74.0	26.63	Peak	260.00	200	Vertical	Pass
2**	4290.000	37.44	-4.89	54.0	16.56	AV	260.00	200	Vertical	Pass
3	5515.000	90.60	-3.24	--	--	Peak	260.00	150	Vertical	N/A
3**	5515.000	82.27	-3.24	--	--	AV	260.00	150	Vertical	N/A
4	7699.250	53.05	0.99	74.0	20.95	Peak	55.00	200	Vertical	Pass
4**	7699.250	44.54	0.99	54.0	9.46	AV	55.00	200	Vertical	Pass
5	12250.776	53.55	1.10	74.0	20.45	Peak	207.00	100	Vertical	Pass
5**	12250.776	44.25	1.10	54.0	9.75	AV	207.00	100	Vertical	Pass
6	15905.776	54.69	1.93	74.0	19.31	Peak	360.00	400	Vertical	Pass
6**	15905.776	45.39	1.93	54.0	8.61	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.500	38.33	-16.83	74.0	35.67	Peak	11.00	100	Horizontal	Pass
1**	1581.500	29.64	-16.83	54.0	24.36	AV	11.00	100	Horizontal	Pass
2	4175.250	47.26	-5.51	74.0	26.74	Peak	35.00	200	Horizontal	Pass
2**	4175.250	37.39	-5.51	54.0	16.61	AV	35.00	200	Horizontal	Pass
3	5588.250	92.56	-2.22	--	--	Peak	35.00	200	Horizontal	N/A
3**	5588.250	84.78	-2.22	--	--	AV	35.00	200	Horizontal	N/A
4	7702.000	53.38	1.48	74.0	20.62	Peak	55.00	100	Horizontal	Pass
4**	7702.000	45.03	1.48	54.0	8.97	AV	55.00	100	Horizontal	Pass
5	12243.412	52.73	1.01	74.0	21.27	Peak	11.00	150	Horizontal	Pass
5**	12243.412	43.28	1.01	54.0	10.72	AV	11.00	150	Horizontal	Pass
6	15926.513	54.85	1.57	74.0	19.15	Peak	17.00	100	Horizontal	Pass
6**	15926.513	45.20	1.57	54.0	8.80	AV	17.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.500	38.58	-16.98	74.0	35.42	Peak	151.00	300	Vertical	Pass
1**	1487.500	28.98	-16.98	54.0	25.02	AV	151.00	300	Vertical	Pass
2	4308.750	46.84	-5.36	74.0	27.16	Peak	160.00	400	Vertical	Pass
2**	4308.750	37.98	-5.36	54.0	16.02	AV	160.00	400	Vertical	Pass
3	5594.000	89.48	-2.41	--	--	Peak	140.00	200	Vertical	N/A
3**	5594.000	81.93	-2.41	--	--	AV	140.00	200	Vertical	N/A
4	7695.750	53.01	1.14	74.0	20.99	Peak	327.00	300	Vertical	Pass
4**	7695.750	44.42	1.14	54.0	9.58	AV	327.00	300	Vertical	Pass
5	11782.901	52.93	-0.16	74.0	21.07	Peak	17.00	150	Vertical	Pass
5**	11782.901	43.03	-0.16	54.0	10.97	AV	17.00	150	Vertical	Pass
6	15893.963	55.25	1.98	74.0	18.75	Peak	31.00	100	Vertical	Pass
6**	15893.963	46.13	1.98	54.0	7.87	AV	31.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.300	38.55	-17.01	74.0	35.45	Peak	203.00	300	Horizontal	Pass
1**	1503.300	28.60	-17.01	54.0	25.40	AV	203.00	300	Horizontal	Pass
2	4396.250	47.09	-5.07	74.0	26.91	Peak	119.00	400	Horizontal	Pass
2**	4396.250	37.57	-5.07	54.0	16.43	AV	119.00	400	Horizontal	Pass
3	5672.500	93.09	-2.47	--	--	Peak	16.00	200	Horizontal	N/A
3**	5672.500	84.61	-2.47	--	--	AV	16.00	200	Horizontal	N/A
4	7410.500	54.03	0.67	74.0	19.97	Peak	160.00	300	Horizontal	Pass
4**	7410.500	43.63	0.67	54.0	10.37	AV	160.00	300	Horizontal	Pass
5	12206.599	52.62	0.50	74.0	21.38	Peak	241.00	200	Horizontal	Pass
5**	12206.599	42.96	0.50	54.0	11.04	AV	241.00	200	Horizontal	Pass
6	16099.237	54.61	1.74	74.0	19.39	Peak	133.00	400	Horizontal	Pass
6**	16099.237	46.34	1.74	54.0	7.66	AV	133.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.200	38.66	-16.85	74.0	35.34	Peak	327.00	300	Vertical	Pass
1**	1612.200	29.10	-16.85	54.0	24.90	AV	327.00	300	Vertical	Pass
2	4254.500	46.96	-4.53	74.0	27.04	Peak	179.00	200	Vertical	Pass
2**	4254.500	37.66	-4.53	54.0	16.34	AV	179.00	200	Vertical	Pass
3	5667.750	90.01	-2.64	--	--	Peak	136.00	150	Vertical	N/A
3**	5667.750	82.69	-2.64	--	--	AV	136.00	150	Vertical	N/A
4	7426.500	53.07	1.12	74.0	20.93	Peak	158.00	300	Vertical	Pass
4**	7426.500	43.67	1.12	54.0	10.33	AV	158.00	300	Vertical	Pass
5	12209.450	52.59	0.54	74.0	21.41	Peak	2.00	200	Vertical	Pass
5**	12209.450	43.24	0.54	54.0	10.76	AV	2.00	200	Vertical	Pass
6	16134.150	55.59	2.02	74.0	18.41	Peak	333.00	400	Vertical	Pass
6**	16134.150	46.25	2.02	54.0	7.75	AV	333.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.200	38.55	-17.07	74.0	35.45	Peak	23.00	400	Horizontal	Pass
1**	1533.200	29.19	-17.07	54.0	24.81	AV	23.00	400	Horizontal	Pass
2	4323.750	46.87	-4.99	74.0	27.13	Peak	0.00	200	Horizontal	Pass
2**	4323.750	38.08	-4.99	54.0	15.92	AV	0.00	200	Horizontal	Pass
3	5523.500	89.87	-2.63	--	--	Peak	16.00	200	Horizontal	N/A
3**	5523.500	81.28	-2.63	--	--	AV	16.00	200	Horizontal	N/A
4	7671.500	53.44	0.77	74.0	20.56	Peak	16.00	100	Horizontal	Pass
4**	7671.500	43.88	0.77	54.0	10.12	AV	16.00	100	Horizontal	Pass
5	12002.350	52.69	0.44	74.0	21.31	Peak	116.00	100	Horizontal	Pass
5**	12002.350	42.55	0.44	54.0	11.45	AV	116.00	100	Horizontal	Pass
6	15892.912	55.49	1.97	74.0	18.51	Peak	263.00	400	Horizontal	Pass
6**	15892.912	46.32	1.97	54.0	7.68	AV	263.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.900	38.64	-16.63	74.0	35.36	Peak	43.00	200	Vertical	Pass
1**	1612.900	31.18	-16.63	54.0	22.82	AV	43.00	200	Vertical	Pass
2	4346.500	46.95	-4.79	74.0	27.05	Peak	339.00	400	Vertical	Pass
2**	4346.500	38.01	-4.79	54.0	15.99	AV	339.00	400	Vertical	Pass
3	5543.250	87.21	-2.41	--	--	Peak	107.00	100	Vertical	N/A
3**	5543.250	79.20	-2.41	--	--	AV	107.00	100	Vertical	N/A
4	7677.750	53.32	0.90	74.0	20.68	Peak	0.00	100	Vertical	Pass
4**	7677.750	43.69	0.90	54.0	10.31	AV	0.00	100	Vertical	Pass
5	11827.313	53.03	-0.46	74.0	20.97	Peak	219.00	100	Vertical	Pass
5**	11827.313	42.45	-0.46	54.0	11.55	AV	219.00	100	Vertical	Pass
6	15899.737	54.90	2.02	74.0	19.10	Peak	92.00	200	Vertical	Pass
6**	15899.737	46.04	2.02	54.0	7.96	AV	92.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.900	38.55	-17.24	74.0	35.45	Peak	41.00	100	Horizontal	Pass
1**	1467.900	28.65	-17.24	54.0	25.35	AV	41.00	100	Horizontal	Pass
2	4261.750	46.85	-4.54	74.0	27.15	Peak	0.00	400	Horizontal	Pass
2**	4261.750	37.30	-4.54	54.0	16.70	AV	0.00	400	Horizontal	Pass
3	5616.000	88.82	-2.82	--	--	Peak	19.00	100	Horizontal	N/A
3**	5616.000	80.87	-2.82	--	--	AV	19.00	100	Horizontal	N/A
4	7617.250	53.63	0.55	74.0	20.37	Peak	72.00	400	Horizontal	Pass
4**	7617.250	43.27	0.55	54.0	10.73	AV	72.00	400	Horizontal	Pass
5	11675.076	52.40	-0.93	74.0	21.60	Peak	187.00	100	Horizontal	Pass
5**	11675.076	42.45	-0.93	54.0	11.55	AV	187.00	100	Horizontal	Pass
6	16106.849	54.75	1.81	74.0	19.25	Peak	251.00	200	Horizontal	Pass
6**	16106.849	45.26	1.81	54.0	8.74	AV	251.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.100	38.32	-17.10	74.0	35.68	Peak	0.00	100	Vertical	Pass
1**	1495.100	29.45	-17.10	54.0	24.55	AV	0.00	100	Vertical	Pass
2	4131.250	47.64	-5.46	74.0	26.36	Peak	19.00	100	Vertical	Pass
2**	4131.250	37.30	-5.46	54.0	16.70	AV	19.00	100	Vertical	Pass
3	5617.750	85.98	-2.32	--	--	Peak	121.00	150	Vertical	N/A
3**	5617.750	77.98	-2.32	--	--	AV	121.00	150	Vertical	N/A
4	7686.750	53.92	1.11	74.0	20.08	Peak	0.00	300	Vertical	Pass
4**	7686.750	44.02	1.11	54.0	9.98	AV	0.00	300	Vertical	Pass
5	11751.312	52.12	-0.19	74.0	21.88	Peak	24.00	150	Vertical	Pass
5**	11751.312	43.48	-0.19	54.0	10.52	AV	24.00	150	Vertical	Pass
6	16095.300	54.95	1.69	74.0	19.05	Peak	216.00	300	Vertical	Pass
6**	16095.300	45.48	1.69	54.0	8.52	AV	216.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1455.400	38.43	-17.04	74.0	35.57	Peak	360.00	100	Horizontal	Pass
1**	1455.400	29.12	-17.04	54.0	24.88	AV	360.00	100	Horizontal	Pass
2	4309.250	47.34	-4.93	74.0	26.66	Peak	96.00	200	Horizontal	Pass
2**	4309.250	37.89	-4.93	54.0	16.11	AV	96.00	200	Horizontal	Pass
3	5746.750	96.47	-2.01	--	--	Peak	16.00	150	Horizontal	N/A
3**	5746.750	89.44	-2.01	--	--	AV	16.00	150	Horizontal	N/A
4	7584.750	53.29	0.77	74.0	20.71	Peak	360.00	400	Horizontal	Pass
4**	7584.750	42.92	0.77	54.0	11.08	AV	360.00	400	Horizontal	Pass
5	12379.737	52.99	1.00	74.0	21.01	Peak	358.00	200	Horizontal	Pass
5**	12379.737	42.61	1.00	54.0	11.39	AV	358.00	200	Horizontal	Pass
6	16133.363	54.77	2.02	74.0	19.23	Peak	182.00	100	Horizontal	Pass
6**	16133.363	45.90	2.02	54.0	8.10	AV	182.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.900	38.69	-16.85	74.0	35.31	Peak	0.00	300	Vertical	Pass
1**	1602.900	28.94	-16.85	54.0	25.06	AV	0.00	300	Vertical	Pass
2	4249.750	46.96	-4.27	74.0	27.04	Peak	243.00	100	Vertical	Pass
2**	4249.750	37.76	-4.27	54.0	16.24	AV	243.00	100	Vertical	Pass
3	5747.250	93.17	-2.05	--	--	Peak	62.00	100	Vertical	N/A
3**	5747.250	86.42	-2.05	--	--	AV	62.00	100	Vertical	N/A
4	7425.000	53.00	1.30	74.0	21.00	Peak	343.00	200	Vertical	Pass
4**	7425.000	44.57	1.30	54.0	9.43	AV	343.00	200	Vertical	Pass
5	11672.700	52.56	-0.97	74.0	21.44	Peak	265.00	200	Vertical	Pass
5**	11672.700	42.94	-0.97	54.0	11.06	AV	265.00	200	Vertical	Pass
6	15881.625	54.39	1.89	74.0	19.61	Peak	199.00	300	Vertical	Pass
6**	15881.625	45.19	1.89	54.0	8.81	AV	199.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.500	38.41	-17.25	74.0	35.59	Peak	187.00	400	Horizontal	Pass
1**	1541.500	28.89	-17.25	54.0	25.11	AV	187.00	400	Horizontal	Pass
2	4210.500	47.15	-5.16	74.0	26.85	Peak	263.00	300	Horizontal	Pass
2**	4210.500	37.26	-5.16	54.0	16.74	AV	263.00	300	Horizontal	Pass
3	5786.000	94.92	-2.41	--	--	Peak	181.00	150	Horizontal	N/A
3**	5786.000	87.89	-2.41	--	--	AV	181.00	150	Horizontal	N/A
4	7704.750	52.95	2.00	74.0	21.05	Peak	161.00	100	Horizontal	Pass
4**	7704.750	44.99	2.00	54.0	9.01	AV	161.00	100	Horizontal	Pass
5	12391.375	52.83	1.06	74.0	21.17	Peak	85.00	200	Horizontal	Pass
5**	12391.375	43.63	1.06	54.0	10.37	AV	85.00	200	Horizontal	Pass
6	15906.300	55.15	1.92	74.0	18.85	Peak	47.00	400	Horizontal	Pass
6**	15906.300	45.55	1.92	54.0	8.45	AV	47.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.200	38.76	-16.79	74.0	35.24	Peak	0.00	100	Vertical	Pass
1**	1616.200	29.89	-16.79	54.0	24.11	AV	0.00	100	Vertical	Pass
2	4038.500	47.06	-5.46	74.0	26.94	Peak	84.00	200	Vertical	Pass
2**	4038.500	37.75	-5.46	54.0	16.25	AV	84.00	200	Vertical	Pass
3	5786.500	93.73	-2.25	--	--	Peak	63.00	100	Vertical	N/A
3**	5786.500	86.64	-2.25	--	--	AV	63.00	100	Vertical	N/A
4	7714.750	53.72	1.62	74.0	20.28	Peak	299.00	400	Vertical	Pass
4**	7714.750	44.50	1.62	54.0	9.50	AV	299.00	400	Vertical	Pass
5	12203.275	53.27	0.45	74.0	20.73	Peak	172.00	100	Vertical	Pass
5**	12203.275	43.60	0.45	54.0	10.40	AV	172.00	100	Vertical	Pass
6	15904.463	54.38	1.95	74.0	19.62	Peak	351.00	100	Vertical	Pass
6**	15904.463	46.16	1.95	54.0	7.84	AV	351.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.700	38.82	-17.17	74.0	35.18	Peak	184.00	200	Horizontal	Pass
1**	1559.700	28.98	-17.17	54.0	25.02	AV	184.00	200	Horizontal	Pass
2	4193.500	46.85	-5.56	74.0	27.15	Peak	256.00	200	Horizontal	Pass
2**	4193.500	37.34	-5.56	54.0	16.66	AV	256.00	200	Horizontal	Pass
3	5825.250	96.41	-2.59	--	--	Peak	192.00	150	Horizontal	N/A
3**	5825.250	88.13	-2.59	--	--	AV	192.00	150	Horizontal	N/A
4	7417.000	53.45	0.79	74.0	20.55	Peak	342.00	400	Horizontal	Pass
4**	7417.000	44.30	0.79	54.0	9.70	AV	342.00	400	Horizontal	Pass
5	12234.863	52.74	0.89	74.0	21.26	Peak	19.00	200	Horizontal	Pass
5**	12234.863	43.36	0.89	54.0	10.64	AV	19.00	200	Horizontal	Pass
6	15470.550	54.93	1.72	74.0	19.07	Peak	114.00	200	Horizontal	Pass
6**	15470.550	45.84	1.72	54.0	8.16	AV	114.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.700	38.48	-16.99	74.0	35.52	Peak	0.00	200	Vertical	Pass
1**	1621.700	29.36	-16.99	54.0	24.64	AV	0.00	200	Vertical	Pass
2	4285.500	46.80	-4.49	74.0	27.20	Peak	322.00	300	Vertical	Pass
2**	4285.500	38.87	-4.49	54.0	15.13	AV	322.00	300	Vertical	Pass
3	5826.500	94.43	-2.70	--	--	Peak	66.00	200	Vertical	N/A
3**	5826.500	87.29	-2.70	--	--	AV	66.00	200	Vertical	N/A
4	7705.000	52.98	2.03	74.0	21.02	Peak	87.00	400	Vertical	Pass
4**	7705.000	44.40	2.03	54.0	9.60	AV	87.00	400	Vertical	Pass
5	12257.901	52.86	1.02	74.0	21.14	Peak	360.00	100	Vertical	Pass
5**	12257.901	43.84	1.02	54.0	10.16	AV	360.00	100	Vertical	Pass
6	16101.862	55.11	1.77	74.0	18.89	Peak	73.00	200	Vertical	Pass
6**	16101.862	45.61	1.77	54.0	8.39	AV	73.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.500	38.86	-16.97	74.0	35.14	Peak	190.00	100	Horizontal	Pass
1**	1617.500	28.54	-16.97	54.0	25.46	AV	190.00	100	Horizontal	Pass
2	4256.000	47.47	-4.07	74.0	26.53	Peak	197.00	100	Horizontal	Pass
2**	4256.000	38.69	-4.07	54.0	15.31	AV	197.00	100	Horizontal	Pass
3	5746.750	96.47	-2.01	--	--	Peak	16.00	200	Horizontal	N/A
3**	5746.750	89.55	-2.01	--	--	AV	16.00	200	Horizontal	N/A
4	7711.000	53.63	1.81	74.0	20.37	Peak	317.00	100	Horizontal	Pass
4**	7711.000	45.35	1.81	54.0	8.65	AV	317.00	100	Horizontal	Pass
5	12203.750	52.67	0.46	74.0	21.33	Peak	216.00	100	Horizontal	Pass
5**	12203.750	43.35	0.46	54.0	10.65	AV	216.00	100	Horizontal	Pass
6	15915.750	54.90	1.75	74.0	19.10	Peak	197.00	400	Horizontal	Pass
6**	15915.750	45.22	1.75	54.0	8.78	AV	197.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.400	38.26	-16.38	74.0	35.74	Peak	33.00	100	Vertical	Pass
1**	1512.400	30.21	-16.38	54.0	23.79	AV	33.00	100	Vertical	Pass
2	4341.250	47.51	-4.97	74.0	26.49	Peak	204.00	400	Vertical	Pass
2**	4341.250	37.83	-4.97	54.0	16.17	AV	204.00	400	Vertical	Pass
3	5746.250	93.44	-1.99	--	--	Peak	123.00	150	Vertical	N/A
3**	5746.250	86.37	-1.99	--	--	AV	123.00	150	Vertical	N/A
4	7698.000	53.14	1.00	74.0	20.86	Peak	63.00	200	Vertical	Pass
4**	7698.000	44.48	1.00	54.0	9.52	AV	63.00	200	Vertical	Pass
5	12206.363	53.00	0.49	74.0	21.00	Peak	346.00	200	Vertical	Pass
5**	12206.363	43.11	0.49	54.0	10.89	AV	346.00	200	Vertical	Pass
6	15404.925	55.09	2.87	74.0	18.91	Peak	148.00	400	Vertical	Pass
6**	15404.925	44.17	2.87	54.0	9.83	AV	148.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.100	38.66	-16.49	74.0	35.34	Peak	94.00	100	Horizontal	Pass
1**	1512.100	29.53	-16.49	54.0	24.47	AV	94.00	100	Horizontal	Pass
2	4386.750	47.00	-5.05	74.0	27.00	Peak	107.00	200	Horizontal	Pass
2**	4386.750	37.46	-5.05	54.0	16.54	AV	107.00	200	Horizontal	Pass
3	5786.500	95.25	-2.25	--	--	Peak	192.00	200	Horizontal	N/A
3**	5786.500	87.29	-2.25	--	--	AV	192.00	200	Horizontal	N/A
4	7710.500	53.29	1.96	74.0	20.71	Peak	149.00	100	Horizontal	Pass
4**	7710.500	44.79	1.96	54.0	9.21	AV	149.00	100	Horizontal	Pass
5	12255.050	53.48	1.05	74.0	20.52	Peak	103.00	100	Horizontal	Pass
5**	12255.050	43.76	1.05	54.0	10.24	AV	103.00	100	Horizontal	Pass
6	15891.863	54.63	1.96	74.0	19.37	Peak	73.00	400	Horizontal	Pass
6**	15891.863	46.42	1.96	54.0	7.58	AV	73.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.400	38.53	-16.85	74.0	35.47	Peak	0.00	300	Vertical	Pass
1**	1621.400	29.27	-16.85	54.0	24.73	AV	0.00	300	Vertical	Pass
2	4313.750	47.42	-5.13	74.0	26.58	Peak	63.00	100	Vertical	Pass
2**	4313.750	37.61	-5.13	54.0	16.39	AV	63.00	100	Vertical	Pass
3	5787.250	93.52	-2.42	--	--	Peak	63.00	200	Vertical	N/A
3**	5787.250	86.25	-2.42	--	--	AV	63.00	200	Vertical	N/A
4	7687.000	53.73	1.20	74.0	20.27	Peak	169.00	300	Vertical	Pass
4**	7687.000	44.02	1.20	54.0	9.98	AV	169.00	300	Vertical	Pass
5	12313.000	52.86	0.63	74.0	21.14	Peak	210.00	200	Vertical	Pass
5**	12313.000	42.42	0.63	54.0	11.58	AV	210.00	200	Vertical	Pass
6	16125.750	55.08	1.96	74.0	18.92	Peak	6.00	100	Vertical	Pass
6**	16125.750	46.04	1.96	54.0	7.96	AV	6.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.000	38.38	-17.23	74.0	35.62	Peak	150.00	300	Horizontal	Pass
1**	1482.000	29.63	-17.23	54.0	24.37	AV	150.00	300	Horizontal	Pass
2	4331.000	47.33	-5.08	74.0	26.67	Peak	121.00	100	Horizontal	Pass
2**	4331.000	37.64	-5.08	54.0	16.36	AV	121.00	100	Horizontal	Pass
3	5826.500	96.08	-2.70	--	--	Peak	205.00	200	Horizontal	N/A
3**	5826.500	88.57	-2.70	--	--	AV	205.00	200	Horizontal	N/A
4	7669.750	52.90	0.71	74.0	21.10	Peak	249.00	100	Horizontal	Pass
4**	7669.750	43.64	0.71	54.0	10.36	AV	249.00	100	Horizontal	Pass
5	12002.350	52.82	0.44	74.0	21.18	Peak	169.00	150	Horizontal	Pass
5**	12002.350	43.27	0.44	54.0	10.73	AV	169.00	150	Horizontal	Pass
6	15906.300	55.28	1.92	74.0	18.72	Peak	192.00	400	Horizontal	Pass
6**	15906.300	45.54	1.92	54.0	8.46	AV	192.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.900	38.35	-17.00	74.0	35.65	Peak	200.00	100	Vertical	Pass
1**	1479.900	28.57	-17.00	54.0	25.43	AV	200.00	100	Vertical	Pass
2	4380.250	47.10	-4.90	74.0	26.90	Peak	258.00	100	Vertical	Pass
2**	4380.250	37.36	-4.90	54.0	16.64	AV	258.00	100	Vertical	Pass
3	5822.000	94.63	-2.40	--	--	Peak	62.00	200	Vertical	N/A
3**	5822.000	86.31	-2.40	--	--	AV	62.00	200	Vertical	N/A
4	7695.250	53.18	1.15	74.0	20.82	Peak	106.00	200	Vertical	Pass
4**	7695.250	45.47	1.15	54.0	8.53	AV	106.00	200	Vertical	Pass
5	11801.425	52.58	-0.16	74.0	21.42	Peak	194.00	200	Vertical	Pass
5**	11801.425	43.73	-0.16	54.0	10.27	AV	194.00	200	Vertical	Pass
6	15927.037	54.47	1.56	74.0	19.53	Peak	222.00	300	Vertical	Pass
6**	15927.037	45.65	1.56	54.0	8.35	AV	222.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1474.800	38.38	-17.10	74.0	35.62	Peak	173.00	200	Horizontal	Pass
1**	1474.800	29.20	-17.10	54.0	24.80	AV	173.00	200	Horizontal	Pass
2	4342.500	46.98	-4.89	74.0	27.02	Peak	343.00	200	Horizontal	Pass
2**	4342.500	37.89	-4.89	54.0	16.11	AV	343.00	200	Horizontal	Pass
3	5757.750	93.16	-2.29	--	--	Peak	33.00	200	Horizontal	N/A
3**	5757.750	85.85	-2.29	--	--	AV	33.00	200	Horizontal	N/A
4	7420.500	53.96	1.22	74.0	20.04	Peak	307.00	100	Horizontal	Pass
4**	7420.500	44.12	1.22	54.0	9.88	AV	307.00	100	Horizontal	Pass
5	11705.000	52.54	-0.48	74.0	21.46	Peak	19.00	150	Horizontal	Pass
5**	11705.000	43.82	-0.48	54.0	10.18	AV	19.00	150	Horizontal	Pass
6	15650.888	54.55	2.13	74.0	19.45	Peak	14.00	400	Horizontal	Pass
6**	15650.888	45.74	2.13	54.0	8.26	AV	14.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.200	38.59	-17.18	74.0	35.41	Peak	65.00	100	Vertical	Pass
1**	1464.200	28.77	-17.18	54.0	25.23	AV	65.00	100	Vertical	Pass
2	4257.750	47.09	-4.46	74.0	26.91	Peak	121.00	300	Vertical	Pass
2**	4257.750	38.29	-4.46	54.0	15.71	AV	121.00	300	Vertical	Pass
3	5753.250	90.28	-2.25	--	--	Peak	58.00	200	Vertical	N/A
3**	5753.250	82.88	-2.25	--	--	AV	58.00	200	Vertical	N/A
4	7704.750	53.93	2.00	74.0	20.07	Peak	188.00	300	Vertical	Pass
4**	7704.750	45.92	2.00	54.0	8.08	AV	188.00	300	Vertical	Pass
5	12211.826	52.77	0.57	74.0	21.23	Peak	360.00	100	Vertical	Pass
5**	12211.826	43.65	0.57	54.0	10.35	AV	360.00	100	Vertical	Pass
6	16128.900	54.94	1.98	74.0	19.06	Peak	138.00	300	Vertical	Pass
6**	16128.900	45.75	1.98	54.0	8.25	AV	138.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.500	38.55	-17.15	74.0	35.45	Peak	348.00	300	Horizontal	Pass
1**	1482.500	28.74	-17.15	54.0	25.26	AV	348.00	300	Horizontal	Pass
2	4334.750	47.85	-4.96	74.0	26.15	Peak	140.00	100	Horizontal	Pass
2**	4334.750	37.55	-4.96	54.0	16.45	AV	140.00	100	Horizontal	Pass
3	5793.500	92.47	-2.17	--	--	Peak	203.00	150	Horizontal	N/A
3**	5793.500	85.73	-2.17	--	--	AV	203.00	150	Horizontal	N/A
4	7699.250	53.23	0.99	74.0	20.77	Peak	304.00	400	Horizontal	Pass
4**	7699.250	44.48	0.99	54.0	9.52	AV	304.00	400	Horizontal	Pass
5	11707.612	52.81	-0.47	74.0	21.19	Peak	239.00	100	Horizontal	Pass
5**	11707.612	43.01	-0.47	54.0	10.99	AV	239.00	100	Horizontal	Pass
6	16182.974	55.45	1.93	74.0	18.55	Peak	328.00	200	Horizontal	Pass
6**	16182.974	44.29	1.93	54.0	9.71	AV	328.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.500	38.34	-16.97	74.0	35.66	Peak	39.00	100	Vertical	Pass
1**	1617.500	28.59	-16.97	54.0	25.41	AV	39.00	100	Vertical	Pass
2	4260.500	47.08	-4.43	74.0	26.92	Peak	360.00	400	Vertical	Pass
2**	4260.500	37.92	-4.43	54.0	16.08	AV	360.00	400	Vertical	Pass
3	5798.500	90.89	-2.21	--	--	Peak	77.00	200	Vertical	N/A
3**	5798.500	83.78	-2.21	--	--	AV	77.00	200	Vertical	N/A
4	7360.250	53.01	0.67	74.0	20.99	Peak	343.00	200	Vertical	Pass
4**	7360.250	43.84	0.67	54.0	10.16	AV	343.00	200	Vertical	Pass
5	12508.937	52.43	1.39	74.0	21.57	Peak	117.00	200	Vertical	Pass
5**	12508.937	43.18	1.39	54.0	10.82	AV	117.00	200	Vertical	Pass
6	15894.225	54.86	1.98	74.0	19.14	Peak	264.00	200	Vertical	Pass
6**	15894.225	46.08	1.98	54.0	7.92	AV	264.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.800	38.43	-16.59	74.0	35.57	Peak	54.00	300	Horizontal	Pass
1**	1592.800	30.04	-16.59	54.0	23.96	AV	54.00	300	Horizontal	Pass
2	4176.500	47.11	-5.23	74.0	26.89	Peak	337.00	100	Horizontal	Pass
2**	4176.500	37.11	-5.23	54.0	16.89	AV	337.00	100	Horizontal	Pass
3	5745.750	96.08	-2.08	--	--	Peak	16.00	150	Horizontal	N/A
3**	5745.750	88.28	-2.08	--	--	AV	16.00	150	Horizontal	N/A
4	7657.000	54.14	1.34	74.0	19.86	Peak	337.00	100	Horizontal	Pass
4**	7657.000	43.45	1.34	54.0	10.55	AV	337.00	100	Horizontal	Pass
5	11769.125	52.92	-0.18	74.0	21.08	Peak	231.00	150	Horizontal	Pass
5**	11769.125	43.43	-0.18	54.0	10.57	AV	231.00	150	Horizontal	Pass
6	15896.325	55.27	2.00	74.0	18.73	Peak	348.00	300	Horizontal	Pass
6**	15896.325	45.66	2.00	54.0	8.34	AV	348.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.700	38.78	-17.14	74.0	35.22	Peak	76.00	400	Vertical	Pass
1**	1580.700	28.98	-17.14	54.0	25.02	AV	76.00	400	Vertical	Pass
2	4336.750	47.12	-4.63	74.0	26.88	Peak	43.00	100	Vertical	Pass
2**	4336.750	38.38	-4.63	54.0	15.62	AV	43.00	100	Vertical	Pass
3	5746.500	94.19	-2.01	--	--	Peak	123.00	150	Vertical	N/A
3**	5746.500	86.07	-2.01	--	--	AV	123.00	150	Vertical	N/A
4	7616.750	53.56	0.30	74.0	20.44	Peak	143.00	100	Vertical	Pass
4**	7616.750	44.38	0.30	54.0	9.62	AV	143.00	100	Vertical	Pass
5	12439.825	52.34	1.05	74.0	21.66	Peak	143.00	150	Vertical	Pass
5**	12439.825	42.95	1.05	54.0	11.05	AV	143.00	150	Vertical	Pass
6	16147.800	54.49	2.13	74.0	19.51	Peak	277.00	300	Vertical	Pass
6**	16147.800	45.82	2.13	54.0	8.18	AV	277.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.200	38.59	-16.87	74.0	35.41	Peak	134.00	100	Horizontal	Pass
1**	1499.200	29.60	-16.87	54.0	24.40	AV	134.00	100	Horizontal	Pass
2	4257.000	47.20	-4.04	74.0	26.80	Peak	322.00	100	Horizontal	Pass
2**	4257.000	38.53	-4.04	54.0	15.47	AV	322.00	100	Horizontal	Pass
3	5786.250	94.99	-2.30	--	--	Peak	193.00	150	Horizontal	N/A
3**	5786.250	88.28	-2.30	--	--	AV	193.00	150	Horizontal	N/A
4	7689.000	52.85	1.21	74.0	21.15	Peak	64.00	300	Horizontal	Pass
4**	7689.000	45.12	1.21	54.0	8.88	AV	64.00	300	Horizontal	Pass
5	10995.588	52.41	-1.57	74.0	21.59	Peak	259.00	100	Horizontal	Pass
5**	10995.588	42.54	-1.57	54.0	11.46	AV	259.00	100	Horizontal	Pass
6	15900.000	54.66	2.03	74.0	19.34	Peak	84.00	300	Horizontal	Pass
6**	15900.000	45.85	2.03	54.0	8.15	AV	84.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1609.400	38.60	-16.92	74.0	35.40	Peak	77.00	400	Vertical	Pass
1**	1609.400	28.57	-16.92	54.0	25.43	AV	77.00	400	Vertical	Pass
2	4278.500	47.46	-5.05	74.0	26.54	Peak	67.00	300	Vertical	Pass
2**	4278.500	38.11	-5.05	54.0	15.89	AV	67.00	300	Vertical	Pass
3	5786.500	94.17	-2.25	--	--	Peak	67.00	200	Vertical	N/A
3**	5786.500	86.55	-2.25	--	--	AV	67.00	200	Vertical	N/A
4	7704.750	53.56	2.00	74.0	20.44	Peak	0.00	400	Vertical	Pass
4**	7704.750	45.19	2.00	54.0	8.81	AV	0.00	400	Vertical	Pass
5	11749.412	52.85	-0.20	74.0	21.15	Peak	18.00	100	Vertical	Pass
5**	11749.412	43.34	-0.20	54.0	10.66	AV	18.00	100	Vertical	Pass
6	15894.750	54.88	1.99	74.0	19.12	Peak	4.00	100	Vertical	Pass
6**	15894.750	45.33	1.99	54.0	8.67	AV	4.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.500	38.29	-17.35	74.0	35.71	Peak	276.00	300	Horizontal	Pass
1**	1520.500	28.99	-17.35	54.0	25.01	AV	276.00	300	Horizontal	Pass
2	4319.500	46.97	-5.05	74.0	27.03	Peak	360.00	300	Horizontal	Pass
2**	4319.500	37.43	-5.05	54.0	16.57	AV	360.00	300	Horizontal	Pass
3	5827.250	96.28	-2.49	--	--	Peak	195.00	200	Horizontal	N/A
3**	5827.250	88.66	-2.49	--	--	AV	195.00	200	Horizontal	N/A
4	7711.250	52.93	1.79	74.0	21.07	Peak	173.00	400	Horizontal	Pass
4**	7711.250	43.68	1.79	54.0	10.32	AV	173.00	400	Horizontal	Pass
5	12519.388	52.98	1.33	74.0	21.02	Peak	174.00	150	Horizontal	Pass
5**	12519.388	43.14	1.33	54.0	10.86	AV	174.00	150	Horizontal	Pass
6	16115.512	54.35	1.88	74.0	19.65	Peak	360.00	300	Horizontal	Pass
6**	16115.512	45.87	1.88	54.0	8.13	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1453.400	38.44	-16.92	74.0	35.56	Peak	79.00	400	Vertical	Pass
1**	1453.400	28.72	-16.92	54.0	25.28	AV	79.00	400	Vertical	Pass
2	4348.750	46.98	-4.53	74.0	27.02	Peak	165.00	200	Vertical	Pass
2**	4348.750	37.42	-4.53	54.0	16.58	AV	165.00	200	Vertical	Pass
3	5828.000	94.72	-2.57	--	--	Peak	77.00	200	Vertical	N/A
3**	5828.000	86.50	-2.57	--	--	AV	77.00	200	Vertical	N/A
4	7672.500	53.04	0.72	74.0	20.96	Peak	0.00	400	Vertical	Pass
4**	7672.500	44.00	0.72	54.0	10.00	AV	0.00	400	Vertical	Pass
5	12443.862	52.90	1.05	74.0	21.10	Peak	272.00	200	Vertical	Pass
5**	12443.862	43.16	1.05	54.0	10.84	AV	272.00	200	Vertical	Pass
6	16128.375	54.60	1.98	74.0	19.40	Peak	0.00	200	Vertical	Pass
6**	16128.375	45.56	1.98	54.0	8.44	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1626.100	38.15	-16.91	74.0	35.85	Peak	65.00	400	Horizontal	Pass
1**	1626.100	29.04	-16.91	54.0	24.96	AV	65.00	400	Horizontal	Pass
2	4314.000	47.28	-4.99	74.0	26.72	Peak	135.00	200	Horizontal	Pass
2**	4314.000	38.14	-4.99	54.0	15.86	AV	135.00	200	Horizontal	Pass
3	5753.250	92.90	-2.25	--	--	Peak	31.00	100	Horizontal	N/A
3**	5753.250	85.34	-2.25	--	--	AV	31.00	100	Horizontal	N/A
4	7497.250	53.95	0.66	74.0	20.05	Peak	299.00	200	Horizontal	Pass
4**	7497.250	43.31	0.66	54.0	10.69	AV	299.00	200	Horizontal	Pass
5	11749.412	52.74	-0.20	74.0	21.26	Peak	260.00	200	Horizontal	Pass
5**	11749.412	43.03	-0.20	54.0	10.97	AV	260.00	200	Horizontal	Pass
6	16090.313	55.04	1.62	74.0	18.96	Peak	306.00	400	Horizontal	Pass
6**	16090.313	46.00	1.62	54.0	8.00	AV	306.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.800	39.28	-16.92	74.0	34.72	Peak	13.00	100	Vertical	Pass
1**	1619.800	29.35	-16.92	54.0	24.65	AV	13.00	100	Vertical	Pass
2	4385.500	47.14	-5.20	74.0	26.86	Peak	143.00	200	Vertical	Pass
2**	4385.500	37.03	-5.20	54.0	16.97	AV	143.00	200	Vertical	Pass
3	5753.250	90.61	-2.25	--	--	Peak	88.00	100	Vertical	N/A
3**	5753.250	82.97	-2.25	--	--	AV	88.00	100	Vertical	N/A
4	7705.000	53.12	2.03	74.0	20.88	Peak	37.00	200	Vertical	Pass
4**	7705.000	45.26	2.03	54.0	8.74	AV	37.00	200	Vertical	Pass
5	11774.349	52.52	-0.17	74.0	21.48	Peak	92.00	200	Vertical	Pass
5**	11774.349	43.92	-0.17	54.0	10.08	AV	92.00	200	Vertical	Pass
6	15879.788	55.01	1.87	74.0	18.99	Peak	317.00	400	Vertical	Pass
6**	15879.788	45.22	1.87	54.0	8.78	AV	317.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.600	38.33	-17.23	74.0	35.67	Peak	163.00	100	Horizontal	Pass
1**	1522.600	28.58	-17.23	54.0	25.42	AV	163.00	100	Horizontal	Pass
2	4278.250	46.95	-4.66	74.0	27.05	Peak	140.00	300	Horizontal	Pass
2**	4278.250	37.68	-4.66	54.0	16.32	AV	140.00	300	Horizontal	Pass
3	5792.500	93.07	-2.22	--	--	Peak	221.00	100	Horizontal	N/A
3**	5792.500	85.38	-2.22	--	--	AV	221.00	100	Horizontal	N/A
4	7709.000	52.97	1.89	74.0	21.03	Peak	16.00	300	Horizontal	Pass
4**	7709.000	45.42	1.89	54.0	8.58	AV	16.00	300	Horizontal	Pass
5	12405.151	52.66	1.10	74.0	21.34	Peak	204.00	200	Horizontal	Pass
5**	12405.151	43.85	1.10	54.0	10.15	AV	204.00	200	Horizontal	Pass
6	15903.938	55.05	1.96	74.0	18.95	Peak	134.00	400	Horizontal	Pass
6**	15903.938	45.01	1.96	54.0	8.99	AV	134.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.200	39.31	-16.89	74.0	34.69	Peak	281.00	200	Vertical	Pass
1**	1614.200	29.53	-16.89	54.0	24.47	AV	281.00	200	Vertical	Pass
2	4262.250	46.93	-4.43	74.0	27.07	Peak	160.00	200	Vertical	Pass
2**	4262.250	38.33	-4.43	54.0	15.67	AV	160.00	200	Vertical	Pass
3	5792.500	90.83	-2.22	--	--	Peak	79.00	100	Vertical	N/A
3**	5792.500	83.73	-2.22	--	--	AV	79.00	100	Vertical	N/A
4	7475.000	53.31	0.54	74.0	20.69	Peak	57.00	400	Vertical	Pass
4**	7475.000	43.51	0.54	54.0	10.49	AV	57.00	400	Vertical	Pass
5	11758.200	52.38	-0.19	74.0	21.62	Peak	141.00	200	Vertical	Pass
5**	11758.200	43.36	-0.19	54.0	10.64	AV	141.00	200	Vertical	Pass
6	16118.400	54.61	1.90	74.0	19.39	Peak	360.00	400	Vertical	Pass
6**	16118.400	45.87	1.90	54.0	8.13	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1603.900	38.39	-16.81	74.0	35.61	Peak	345.00	100	Horizontal	Pass
1**	1603.900	29.02	-16.81	54.0	24.98	AV	345.00	100	Horizontal	Pass
2	4127.250	47.47	-5.31	74.0	26.53	Peak	360.00	100	Horizontal	Pass
2**	4127.250	38.33	-5.31	54.0	15.67	AV	360.00	100	Horizontal	Pass
3	5764.000	90.46	-2.29	--	--	Peak	31.00	100	Horizontal	N/A
3**	5764.000	83.08	-2.29	--	--	AV	31.00	100	Horizontal	N/A
4	7709.750	53.94	1.76	74.0	20.06	Peak	165.00	300	Horizontal	Pass
4**	7709.750	45.27	1.76	54.0	8.73	AV	165.00	300	Horizontal	Pass
5	12511.075	53.14	1.37	74.0	20.86	Peak	119.00	200	Horizontal	Pass
5**	12511.075	43.32	1.37	54.0	10.68	AV	119.00	200	Horizontal	Pass
6	16134.412	54.30	2.03	74.0	19.70	Peak	280.00	100	Horizontal	Pass
6**	16134.412	46.00	2.03	54.0	8.00	AV	280.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.900	38.68	-16.85	74.0	35.32	Peak	283.00	400	Vertical	Pass
1**	1602.900	28.69	-16.85	54.0	25.31	AV	283.00	400	Vertical	Pass
2	4261.750	47.09	-4.54	74.0	26.91	Peak	30.00	100	Vertical	Pass
2**	4261.750	37.93	-4.54	54.0	16.07	AV	30.00	100	Vertical	Pass
3	5772.500	87.77	-2.36	--	--	Peak	153.00	200	Vertical	N/A
3**	5772.500	80.13	-2.36	--	--	AV	153.00	200	Vertical	N/A
4	7409.500	53.21	0.66	74.0	20.79	Peak	348.00	100	Vertical	Pass
4**	7409.500	43.40	0.66	54.0	10.60	AV	348.00	100	Vertical	Pass
5	12249.113	52.74	1.09	74.0	21.26	Peak	63.00	200	Vertical	Pass
5**	12249.113	43.13	1.09	54.0	10.87	AV	63.00	200	Vertical	Pass
6	16129.950	55.55	1.99	74.0	18.45	Peak	282.00	400	Vertical	Pass
6**	16129.950	45.77	1.99	54.0	8.23	AV	282.00	400	Vertical	Pass

11a, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.200	38.36	-16.75	74.0	35.64	Peak	161.00	100	Horizontal	Pass
1**	1442.200	29.58	-16.75	54.0	24.42	AV	161.00	100	Horizontal	Pass
2	4197.250	46.73	-5.65	74.0	27.27	Peak	360.00	100	Horizontal	Pass
2**	4197.250	36.88	-5.65	54.0	17.12	AV	360.00	100	Horizontal	Pass
3	5718.500	94.96	-2.20	--	--	Peak	16.00	150	Horizontal	N/A
3**	5718.500	87.29	-2.20	--	--	AV	16.00	150	Horizontal	N/A
4	7429.500	52.94	1.16	74.0	21.06	Peak	118.00	200	Horizontal	Pass
4**	7429.500	43.73	1.16	54.0	10.27	AV	118.00	200	Horizontal	Pass
5	12001.637	52.82	0.45	74.0	21.18	Peak	241.00	200	Horizontal	Pass
5**	12001.637	42.79	0.45	54.0	11.21	AV	241.00	200	Horizontal	Pass
6	16148.062	54.93	2.14	74.0	19.07	Peak	152.00	100	Horizontal	Pass
6**	16148.062	44.89	2.14	54.0	9.11	AV	152.00	100	Horizontal	Pass

11a, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1607.200	38.47	-16.91	74.0	35.53	Peak	239.00	100	Vertical	Pass
1**	1607.200	29.05	-16.91	54.0	24.95	AV	239.00	100	Vertical	Pass
2	4288.000	47.06	-4.55	74.0	26.94	Peak	283.00	400	Vertical	Pass
2**	4288.000	38.36	-4.55	54.0	15.64	AV	283.00	400	Vertical	Pass
3	5719.000	93.04	-2.02	--	--	Peak	79.00	100	Vertical	N/A
3**	5719.000	85.54	-2.02	--	--	AV	79.00	100	Vertical	N/A
4	7707.000	54.25	1.71	74.0	19.75	Peak	262.00	200	Vertical	Pass
4**	7707.000	44.61	1.71	54.0	9.39	AV	262.00	200	Vertical	Pass
5	11785.513	52.46	-0.16	74.0	21.54	Peak	241.00	150	Vertical	Pass
5**	11785.513	44.22	-0.16	54.0	9.78	AV	241.00	150	Vertical	Pass
6	16150.425	54.63	2.15	74.0	19.37	Peak	89.00	100	Vertical	Pass
6**	16150.425	45.90	2.15	54.0	8.10	AV	89.00	100	Vertical	Pass

11n20, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.000	37.97	-16.98	74.0	36.03	Peak	360.00	300	Horizontal	Pass
1**	1577.000	28.80	-16.98	54.0	25.20	AV	360.00	300	Horizontal	Pass
2	4235.500	46.99	-5.12	74.0	27.01	Peak	55.00	400	Horizontal	Pass
2**	4235.500	37.43	-5.12	54.0	16.57	AV	55.00	400	Horizontal	Pass
3	5718.000	95.57	-1.97	--	--	Peak	14.00	150	Horizontal	N/A
3**	5718.000	88.23	-1.97	--	--	AV	14.00	150	Horizontal	N/A
4	7663.000	53.65	1.27	74.0	20.35	Peak	136.00	100	Horizontal	Pass
4**	7663.000	43.70	1.27	54.0	10.30	AV	136.00	100	Horizontal	Pass
5	12407.525	52.36	1.10	74.0	21.64	Peak	215.00	150	Horizontal	Pass
5**	12407.525	43.70	1.10	54.0	10.30	AV	215.00	150	Horizontal	Pass
6	15908.924	54.80	1.87	74.0	19.20	Peak	306.00	400	Horizontal	Pass
6**	15908.924	45.90	1.87	54.0	8.10	AV	306.00	400	Horizontal	Pass

11n20, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.000	38.39	-16.60	74.0	35.61	Peak	319.00	100	Vertical	Pass
1**	1613.000	29.15	-16.60	54.0	24.85	AV	319.00	100	Vertical	Pass
2	4263.500	47.31	-4.55	74.0	26.69	Peak	360.00	100	Vertical	Pass
2**	4263.500	37.38	-4.55	54.0	16.62	AV	360.00	100	Vertical	Pass
3	5718.750	93.39	-2.06	--	--	Peak	144.00	100	Vertical	N/A
3**	5718.750	85.62	-2.06	--	--	AV	144.00	100	Vertical	N/A
4	7431.250	53.43	1.05	74.0	20.57	Peak	186.00	400	Vertical	Pass
4**	7431.250	44.07	1.05	54.0	9.93	AV	186.00	400	Vertical	Pass
5	11712.838	52.64	-0.43	74.0	21.36	Peak	149.00	150	Vertical	Pass
5**	11712.838	44.14	-0.43	54.0	9.86	AV	149.00	150	Vertical	Pass
6	16096.088	55.32	1.70	74.0	18.68	Peak	297.00	400	Vertical	Pass
6**	16096.088	45.87	1.70	54.0	8.13	AV	297.00	400	Vertical	Pass

11n40, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 142 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1603.900	38.42	-16.81	74.0	35.58	Peak	301.00	300	Horizontal	Pass
1**	1603.900	28.75	-16.81	54.0	25.25	AV	301.00	300	Horizontal	Pass
2	4389.250	47.78	-5.33	74.0	26.22	Peak	302.00	100	Horizontal	Pass
2**	4389.250	37.43	-5.33	54.0	16.57	AV	302.00	100	Horizontal	Pass
3	5714.500	92.94	-2.25	--	--	Peak	6.00	200	Horizontal	N/A
3**	5714.500	84.89	-2.25	--	--	AV	6.00	200	Horizontal	N/A
4	7417.250	54.35	0.71	74.0	19.65	Peak	0.00	300	Horizontal	Pass
4**	7417.250	43.70	0.71	54.0	10.30	AV	0.00	300	Horizontal	Pass
5	12257.424	53.33	1.02	74.0	20.67	Peak	360.00	150	Horizontal	Pass
5**	12257.424	43.87	1.02	54.0	10.13	AV	360.00	150	Horizontal	Pass
6	15902.888	56.15	1.98	74.0	17.85	Peak	74.00	400	Horizontal	Pass
6**	15902.888	45.83	1.98	54.0	8.17	AV	74.00	400	Horizontal	Pass

11n40, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 142 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.100	37.91	-16.69	74.0	36.09	Peak	76.00	400	Vertical	Pass
1**	1441.100	28.87	-16.69	54.0	25.13	AV	76.00	400	Vertical	Pass
2	4234.500	46.81	-4.91	74.0	27.19	Peak	162.00	200	Vertical	Pass
2**	4234.500	38.01	-4.91	54.0	15.99	AV	162.00	200	Vertical	Pass
3	5714.000	90.39	-2.17	--	--	Peak	119.00	150	Vertical	N/A
3**	5714.000	82.54	-2.17	--	--	AV	119.00	150	Vertical	N/A
4	7703.750	53.62	1.39	74.0	20.38	Peak	184.00	300	Vertical	Pass
4**	7703.750	44.08	1.39	54.0	9.92	AV	184.00	300	Vertical	Pass
5	12213.488	53.62	0.59	74.0	20.38	Peak	105.00	100	Vertical	Pass
5**	12213.488	43.78	0.59	54.0	10.22	AV	105.00	100	Vertical	Pass
6	16123.388	54.70	1.94	74.0	19.30	Peak	221.00	200	Vertical	Pass
6**	16123.388	45.61	1.94	54.0	8.39	AV	221.00	200	Vertical	Pass

11ac20, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.900	38.16	-16.94	74.0	35.84	Peak	63.00	100	Horizontal	Pass
1**	1512.900	29.03	-16.94	54.0	24.97	AV	63.00	100	Horizontal	Pass
2	4225.250	46.90	-5.12	74.0	27.10	Peak	360.00	300	Horizontal	Pass
2**	4225.250	36.51	-5.12	54.0	17.49	AV	360.00	300	Horizontal	Pass
3	5718.500	95.36	-2.20	--	--	Peak	16.00	100	Horizontal	N/A
3**	5718.500	88.61	-2.20	--	--	AV	16.00	100	Horizontal	N/A
4	7417.500	53.21	0.71	74.0	20.79	Peak	326.00	100	Horizontal	Pass
4**	7417.500	43.82	0.71	54.0	10.18	AV	326.00	100	Horizontal	Pass
5	12165.987	53.28	0.11	74.0	20.72	Peak	212.00	150	Horizontal	Pass
5**	12165.987	42.72	0.11	54.0	11.28	AV	212.00	150	Horizontal	Pass
6	15687.638	54.76	1.74	74.0	19.24	Peak	167.00	300	Horizontal	Pass
6**	15687.638	44.89	1.74	54.0	9.11	AV	167.00	300	Horizontal	Pass

11ac20, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.000	38.24	-16.87	74.0	35.76	Peak	77.00	100	Vertical	Pass
1**	1594.000	28.82	-16.87	54.0	25.18	AV	77.00	100	Vertical	Pass
2	4337.000	46.75	-4.74	74.0	27.25	Peak	168.00	400	Vertical	Pass
2**	4337.000	38.67	-4.74	54.0	15.33	AV	168.00	400	Vertical	Pass
3	5718.000	93.71	-1.97	--	--	Peak	145.00	150	Vertical	N/A
3**	5718.000	85.71	-1.97	--	--	AV	145.00	150	Vertical	N/A
4	7686.750	53.08	1.11	74.0	20.92	Peak	190.00	400	Vertical	Pass
4**	7686.750	43.75	1.11	54.0	10.25	AV	190.00	400	Vertical	Pass
5	11802.613	52.95	-0.18	74.0	21.05	Peak	106.00	150	Vertical	Pass
5**	11802.613	43.48	-0.18	54.0	10.52	AV	106.00	150	Vertical	Pass
6	15880.050	54.48	1.87	74.0	19.52	Peak	353.00	100	Vertical	Pass
6**	15880.050	45.19	1.87	54.0	8.81	AV	353.00	100	Vertical	Pass

11ac40, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 142 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.500	39.51	-16.98	74.0	34.49	Peak	347.00	100	Horizontal	Pass
1**	1534.500	28.90	-16.98	54.0	25.10	AV	347.00	100	Horizontal	Pass
2	4249.750	46.80	-4.27	74.0	27.20	Peak	258.00	300	Horizontal	Pass
2**	4249.750	38.10	-4.27	54.0	15.90	AV	258.00	300	Horizontal	Pass
3	5707.500	93.15	-2.30	--	--	Peak	0.00	200	Horizontal	N/A
3**	5707.500	85.51	-2.30	--	--	AV	0.00	200	Horizontal	N/A
4	7328.500	52.89	-0.22	74.0	21.11	Peak	67.00	200	Horizontal	Pass
4**	7328.500	43.75	-0.22	54.0	10.25	AV	67.00	200	Horizontal	Pass
5	12229.875	52.67	0.82	74.0	21.33	Peak	314.00	100	Horizontal	Pass
5**	12229.875	43.90	0.82	54.0	10.10	AV	314.00	100	Horizontal	Pass
6	15953.812	54.81	1.17	74.0	19.19	Peak	310.00	400	Horizontal	Pass
6**	15953.812	44.59	1.17	54.0	9.41	AV	310.00	400	Horizontal	Pass

11ac40, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 142 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.700	38.60	-17.01	74.0	35.40	Peak	0.00	300	Vertical	Pass
1**	1590.700	28.69	-17.01	54.0	25.31	AV	0.00	300	Vertical	Pass
2	4341.250	47.74	-4.97	74.0	26.26	Peak	36.00	400	Vertical	Pass
2**	4341.250	38.31	-4.97	54.0	15.69	AV	36.00	400	Vertical	Pass
3	5708.000	90.62	-2.48	--	--	Peak	118.00	150	Vertical	N/A
3**	5708.000	83.62	-2.48	--	--	AV	118.00	150	Vertical	N/A
4	7427.500	54.22	1.29	74.0	19.78	Peak	0.00	400	Vertical	Pass
4**	7427.500	43.95	1.29	54.0	10.05	AV	0.00	400	Vertical	Pass
5	12201.138	52.68	0.42	74.0	21.32	Peak	125.00	150	Vertical	Pass
5**	12201.138	42.76	0.42	54.0	11.24	AV	125.00	150	Vertical	Pass
6	15886.875	54.84	1.93	74.0	19.16	Peak	145.00	300	Vertical	Pass
6**	15886.875	45.04	1.93	54.0	8.96	AV	145.00	300	Vertical	Pass

11ac80, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 138 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.400	37.97	-17.18	74.0	36.03	Peak	4.00	300	Horizontal	Pass
1**	1502.400	28.65	-17.18	54.0	25.35	AV	4.00	300	Horizontal	Pass
2	4273.500	47.07	-4.74	74.0	26.93	Peak	214.00	400	Horizontal	Pass
2**	4273.500	37.93	-4.74	54.0	16.07	AV	214.00	400	Horizontal	Pass
3	5684.250	89.60	-2.27	--	--	Peak	1.00	200	Horizontal	N/A
3**	5684.250	82.46	-2.27	--	--	AV	1.00	200	Horizontal	N/A
4	7707.000	53.46	1.71	74.0	20.54	Peak	360.00	300	Horizontal	Pass
4**	7707.000	44.93	1.71	54.0	9.07	AV	360.00	300	Horizontal	Pass
5	12192.825	53.39	0.34	74.0	20.61	Peak	266.00	100	Horizontal	Pass
5**	12192.825	43.46	0.34	54.0	10.54	AV	266.00	100	Horizontal	Pass
6	15909.975	54.65	1.85	74.0	19.35	Peak	138.00	200	Horizontal	Pass
6**	15909.975	44.94	1.85	54.0	9.06	AV	138.00	200	Horizontal	Pass

11ac80, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 138 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.500	38.44	-16.97	74.0	35.56	Peak	133.00	200	Vertical	Pass
1**	1623.500	28.50	-16.97	54.0	25.50	AV	133.00	200	Vertical	Pass
2	4305.500	46.64	-5.12	74.0	27.36	Peak	323.00	100	Vertical	Pass
2**	4305.500	38.38	-5.12	54.0	15.62	AV	323.00	100	Vertical	Pass
3	5687.500	88.18	-2.47	--	--	Peak	113.00	200	Vertical	N/A
3**	5687.500	80.58	-2.47	--	--	AV	113.00	200	Vertical	N/A
4	7704.750	53.05	2.00	74.0	20.95	Peak	197.00	300	Vertical	Pass
4**	7704.750	44.60	2.00	54.0	9.40	AV	197.00	300	Vertical	Pass
5	12507.750	52.81	1.39	74.0	21.19	Peak	40.00	200	Vertical	Pass
5**	12507.750	43.89	1.39	54.0	10.11	AV	40.00	200	Vertical	Pass
6	16151.213	55.03	2.14	74.0	18.97	Peak	73.00	300	Vertical	Pass
6**	16151.213	45.89	2.14	54.0	8.11	AV	73.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

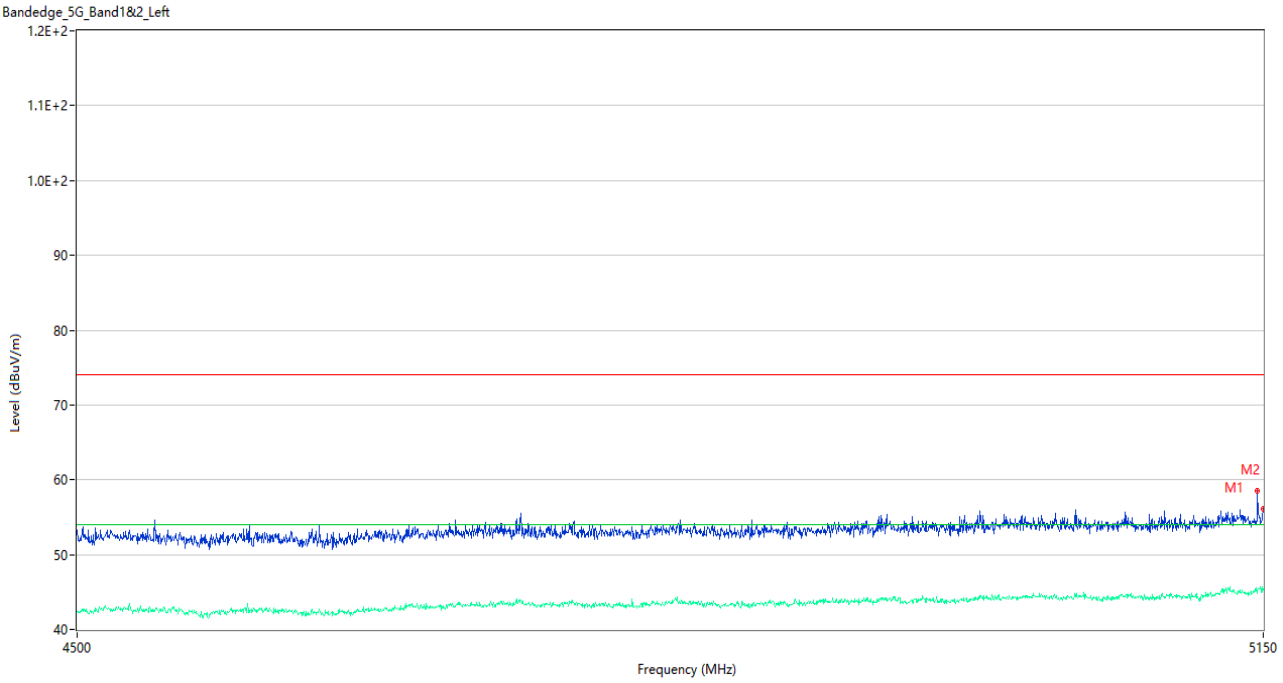
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low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

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

Test Band	Mode	Channel	Verdict
U-NII-2C & U-NII-3	802.11a	144	Pass
	802.11n(HT20)	144	Pass
	802.11n(HT40)	142	Pass
	802.11ac(VHT20)	144	Pass
	802.11ac(VHT40)	142	Pass
	802.11ac(VHT80)	138	Pass

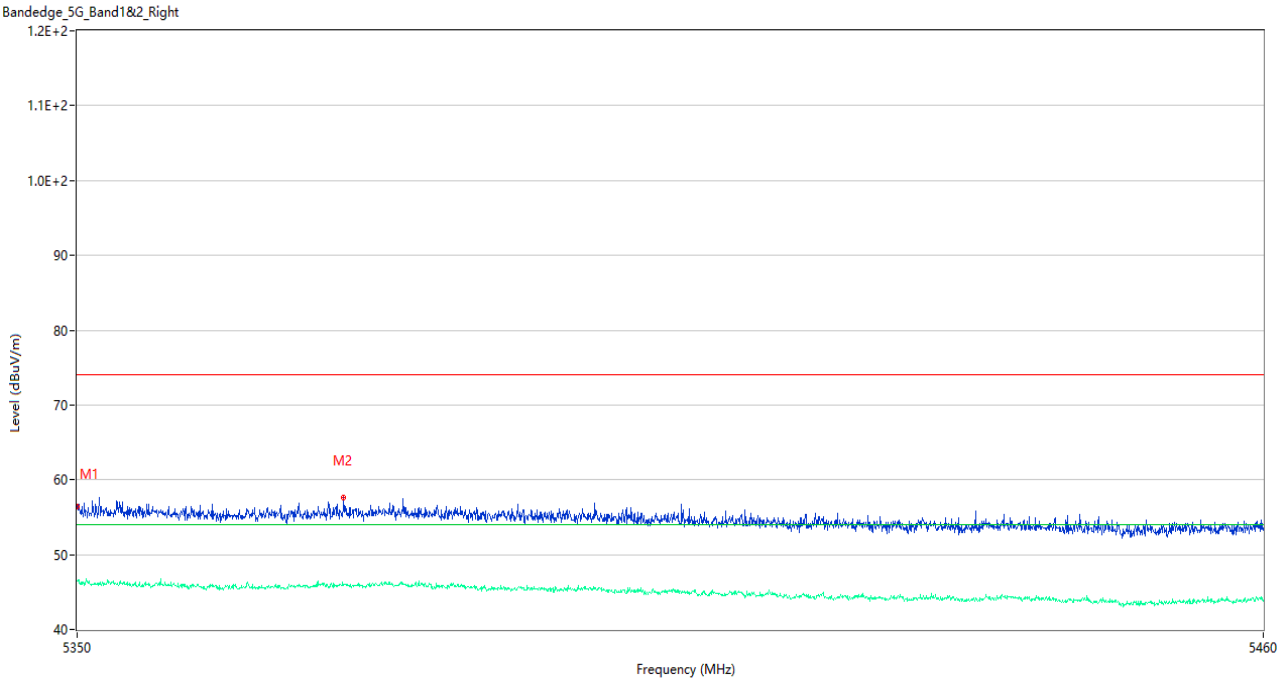
Test Data and Plots

U-NII-1 11a Low Channel



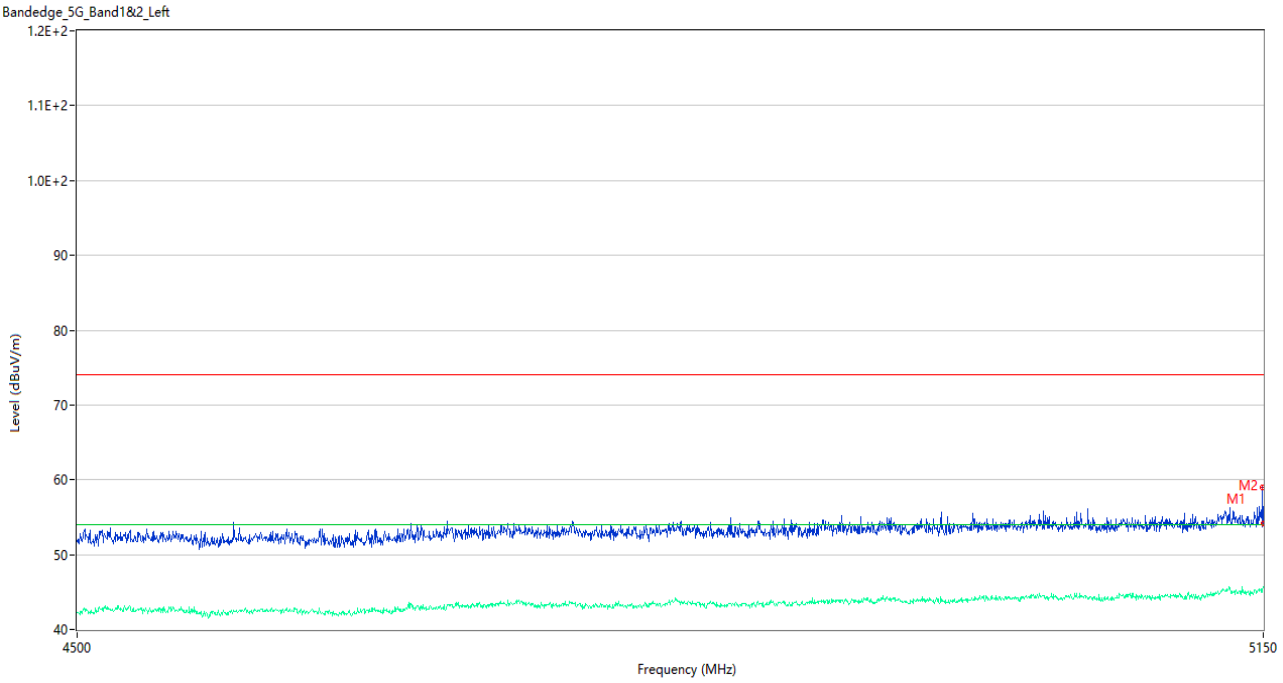
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.750	58.54	3.04	74.0	15.46	Peak	25.00	100	Horizontal	Pass
1**	5146.750	45.30	3.04	54.0	8.70	AV	25.00	100	Horizontal	Pass
2	5150.000	56.07	2.86	74.0	17.93	Peak	20.00	200	Horizontal	Pass
2**	5150.000	45.23	2.86	54.0	8.77	AV	20.00	200	Horizontal	Pass

U-NII-1 11a High Channel



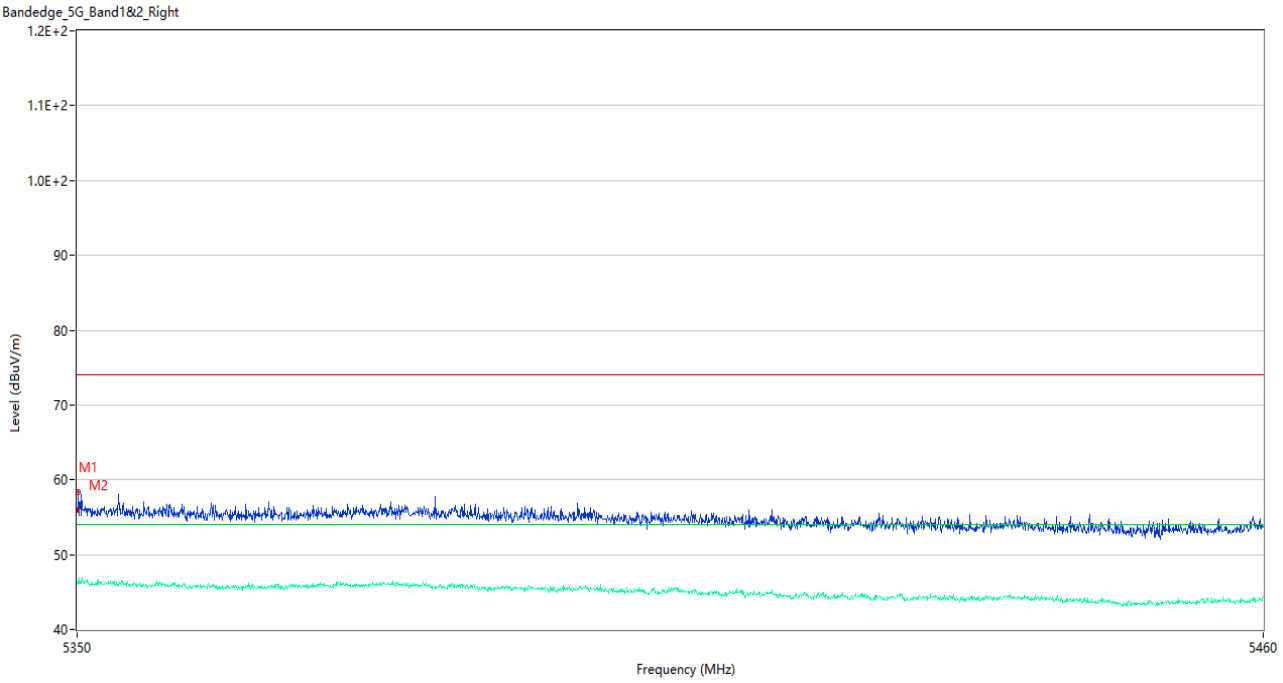
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.40	3.32	74.0	17.60	Peak	236.00	100	Horizontal	Pass
1**	5350.000	46.43	3.32	54.0	7.57	AV	236.00	100	Horizontal	Pass
2	5374.530	57.62	2.99	74.0	16.38	Peak	82.00	100	Horizontal	Pass
2**	5374.530	46.08	2.99	54.0	7.92	AV	82.00	100	Horizontal	Pass

U-NII-1 11n20 Low Channel



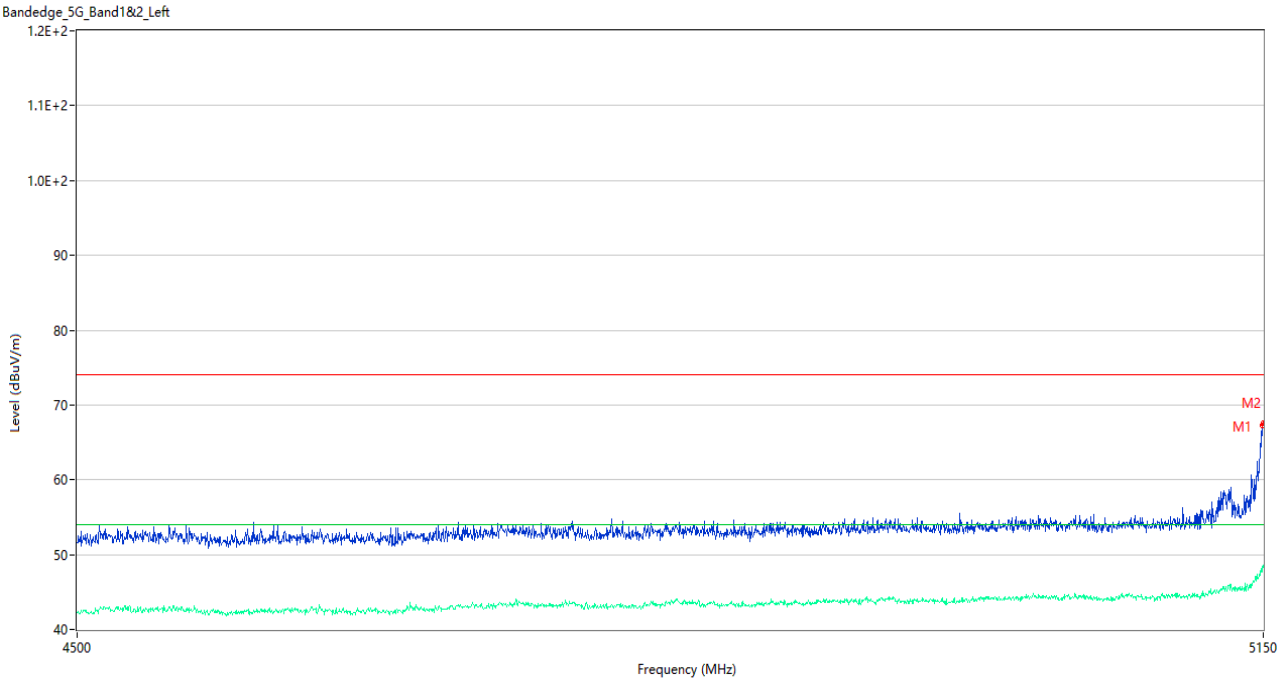
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	58.93	2.85	74.0	15.07	Peak	10.00	200	Horizontal	Pass
1**	5149.675	45.21	2.85	54.0	8.79	AV	10.00	200	Horizontal	Pass
2	5150.000	54.13	2.86	74.0	19.87	Peak	0.00	100	Horizontal	Pass
2**	5150.000	45.69	2.86	54.0	8.31	AV	0.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel



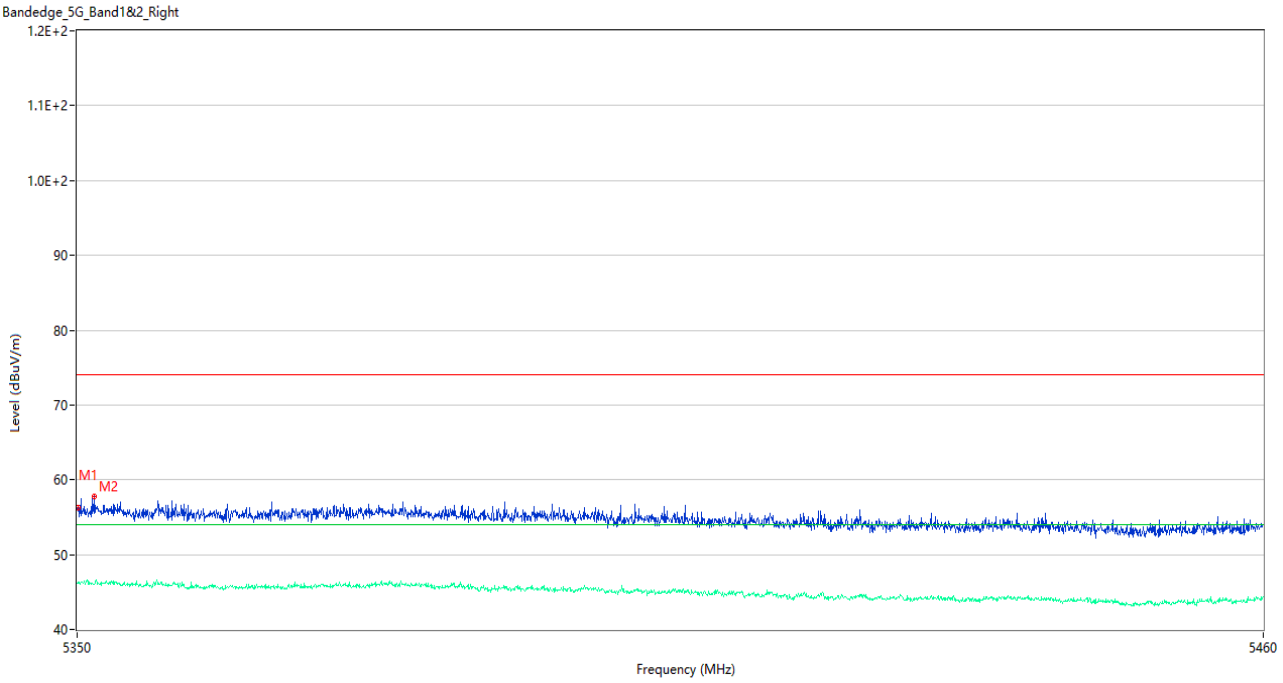
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.96	3.32	74.0	18.04	Peak	95.00	100	Horizontal	Pass
1**	5350.000	46.17	3.32	54.0	7.83	AV	95.00	100	Horizontal	Pass
2	5350.110	58.40	3.27	74.0	15.60	Peak	22.00	100	Horizontal	Pass
2**	5350.110	46.09	3.27	54.0	7.91	AV	22.00	100	Horizontal	Pass

U-NII-1 11n40 Low Channel



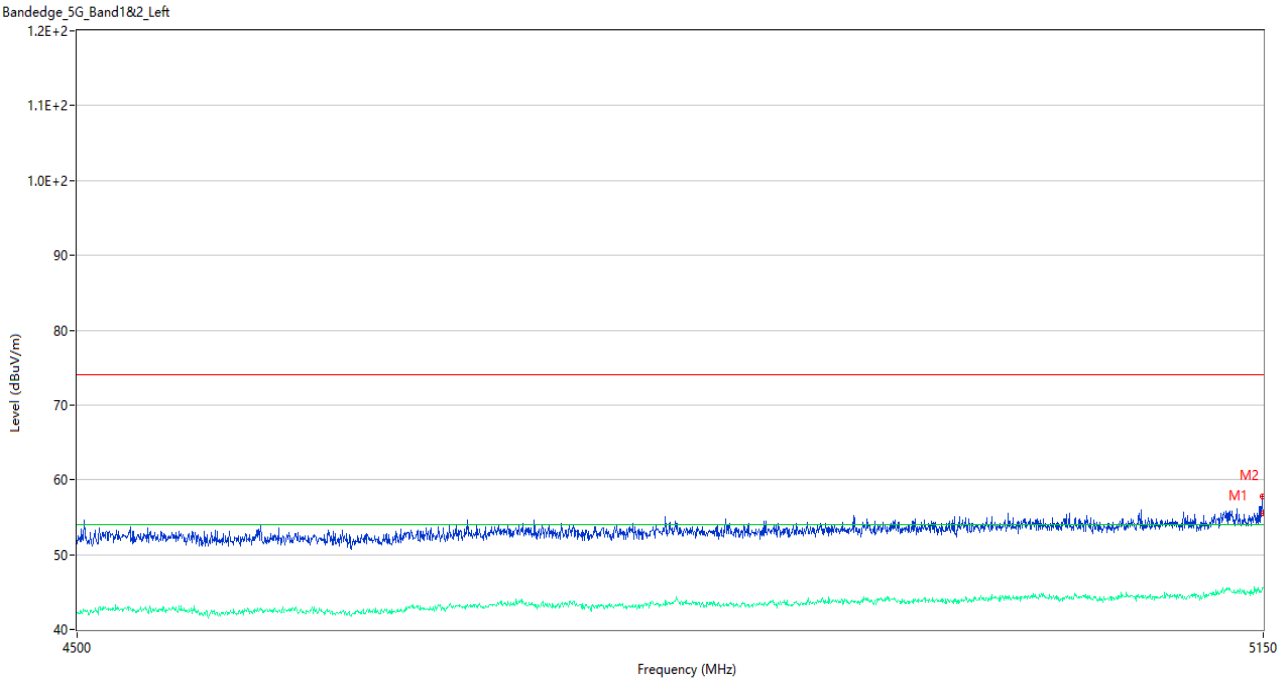
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	67.33	2.85	74.0	6.67	Peak	11.00	100	Horizontal	Pass
1**	5149.675	47.69	2.85	54.0	6.31	AV	11.00	100	Horizontal	Pass
2	5150.000	67.60	2.86	74.0	6.40	Peak	14.00	100	Horizontal	Pass
2**	5150.000	48.57	2.86	54.0	5.43	AV	14.00	100	Horizontal	Pass

U-NII-1 11n40 High Channel



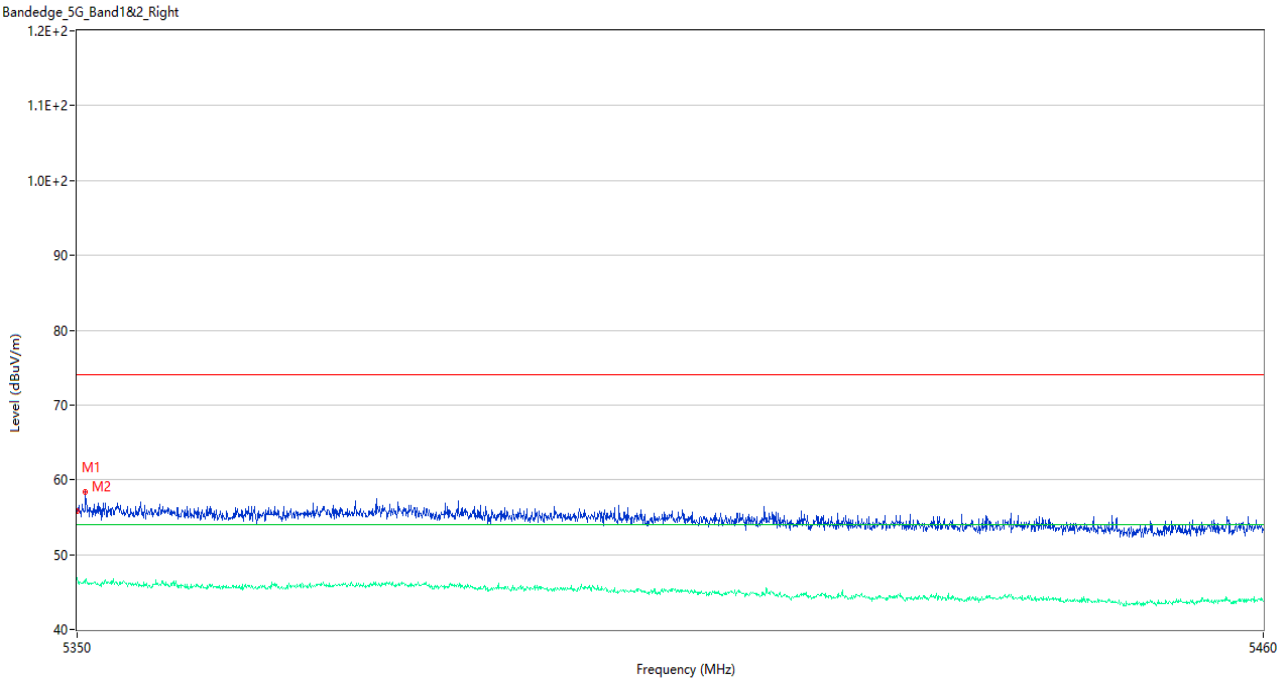
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.24	3.30	74.0	17.76	Peak	282.00	150	Horizontal	Pass
1**	5350.055	46.40	3.30	54.0	7.60	AV	282.00	150	Horizontal	Pass
2	5351.595	57.77	3.07	74.0	16.23	Peak	31.00	150	Horizontal	Pass
2**	5351.595	46.03	3.07	54.0	7.97	AV	31.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel



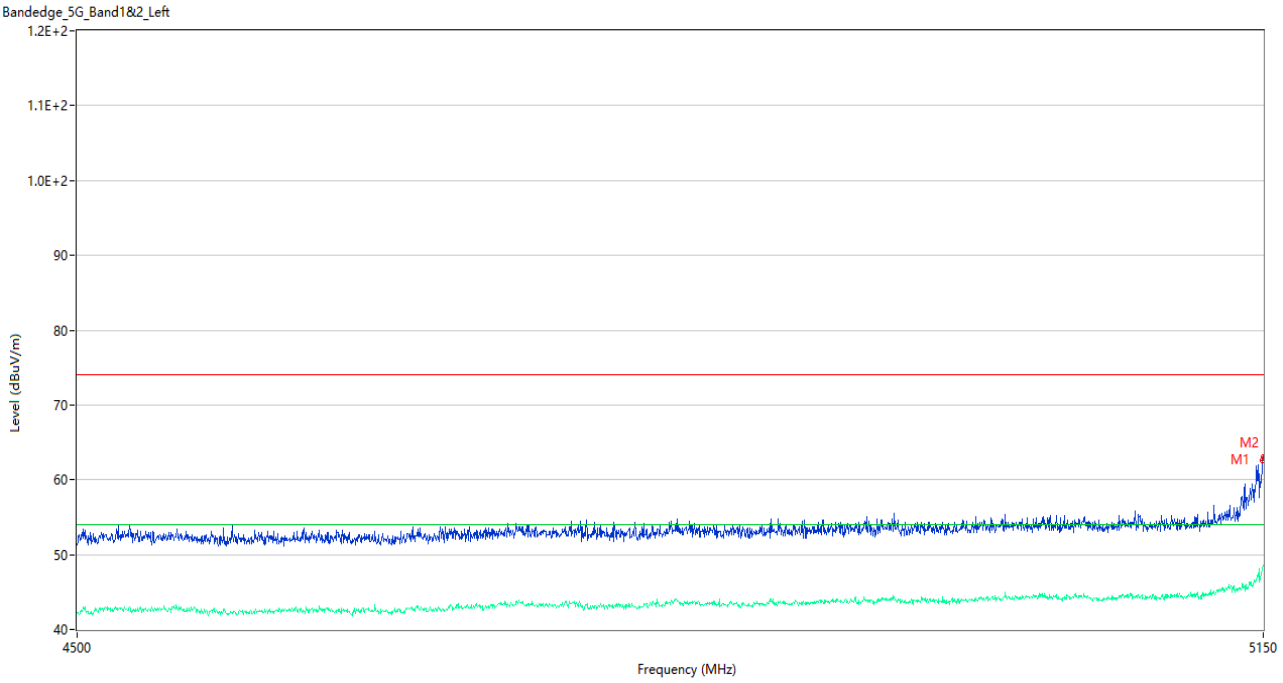
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.350	57.82	2.85	74.0	16.18	Peak	11.00	200	Horizontal	Pass
1**	5149.350	45.41	2.85	54.0	8.59	AV	11.00	200	Horizontal	Pass
2	5150.000	55.59	2.86	74.0	18.41	Peak	22.00	200	Horizontal	Pass
2**	5150.000	45.62	2.86	54.0	8.38	AV	22.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel



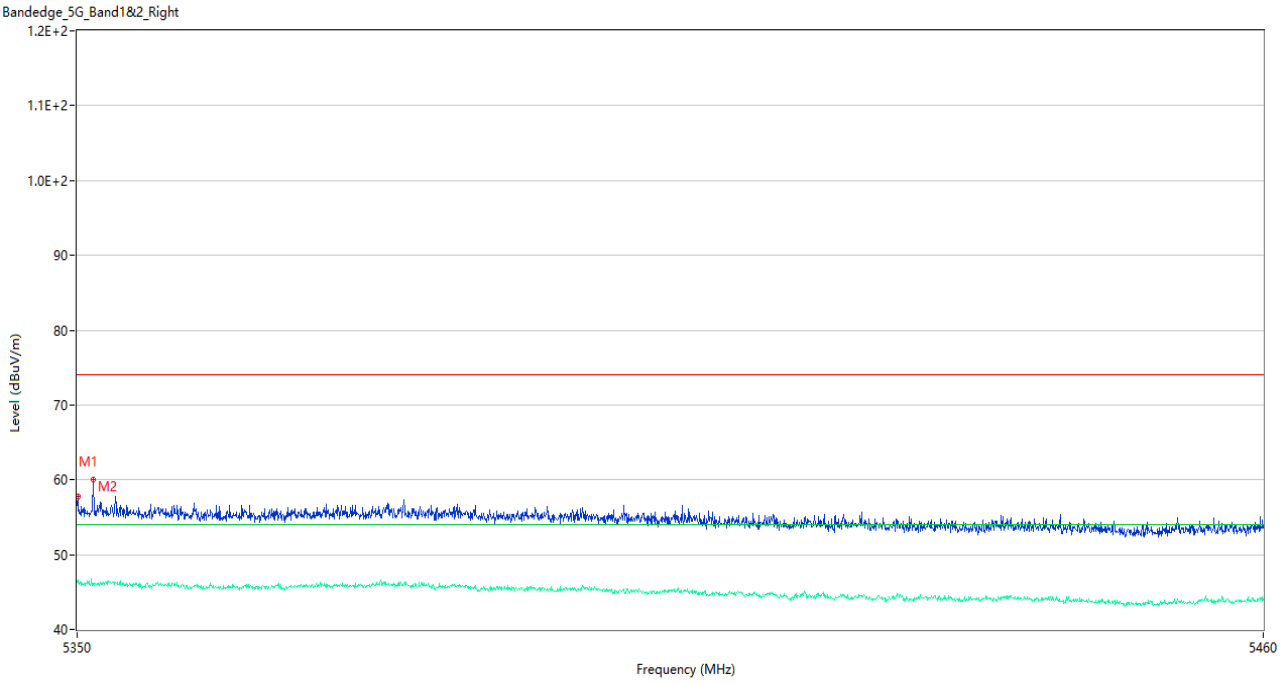
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.84	3.32	74.0	18.16	Peak	360.00	200	Horizontal	Pass
1**	5350.000	46.90	3.32	54.0	7.10	AV	360.00	200	Horizontal	Pass
2	5350.770	58.36	3.23	74.0	15.64	Peak	58.00	150	Horizontal	Pass
2**	5350.770	46.55	3.23	54.0	7.45	AV	58.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel



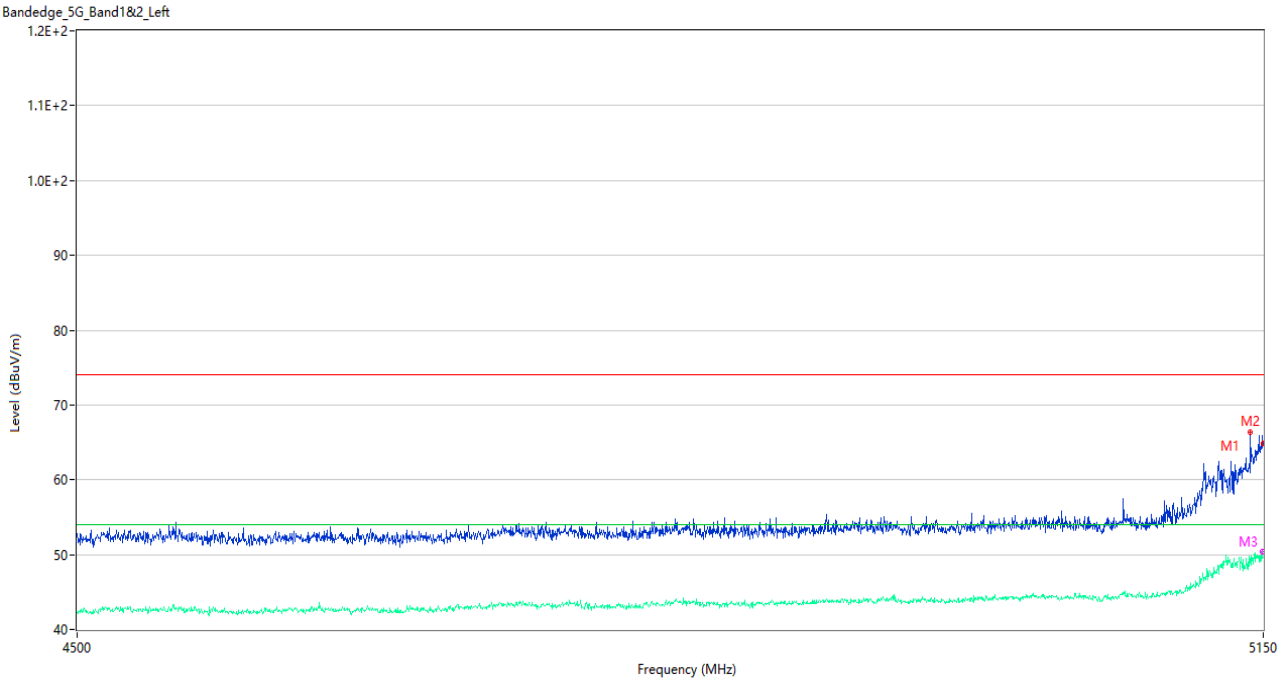
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	62.57	2.85	74.0	11.43	Peak	21.00	100	Horizontal	Pass
1**	5149.675	48.16	2.85	54.0	5.84	AV	21.00	100	Horizontal	Pass
2	5150.000	62.98	2.86	74.0	11.02	Peak	21.00	200	Horizontal	Pass
2**	5150.000	48.58	2.86	54.0	5.42	AV	21.00	200	Horizontal	Pass

U-NII-1 11ac40 High Channel



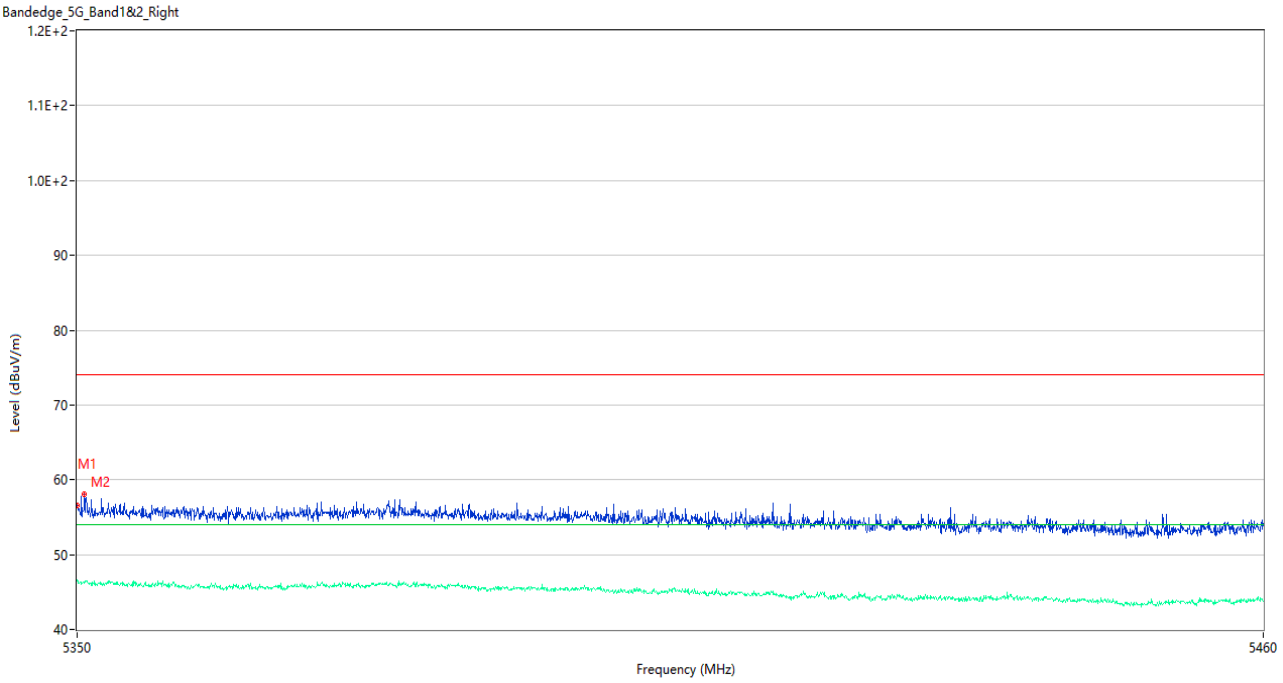
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	57.73	3.30	74.0	16.27	Peak	19.00	150	Horizontal	Pass
1**	5350.055	46.24	3.30	54.0	7.76	AV	19.00	150	Horizontal	Pass
2	5351.485	60.07	3.06	74.0	13.93	Peak	31.00	200	Horizontal	Pass
2**	5351.485	46.21	3.06	54.0	7.79	AV	31.00	200	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



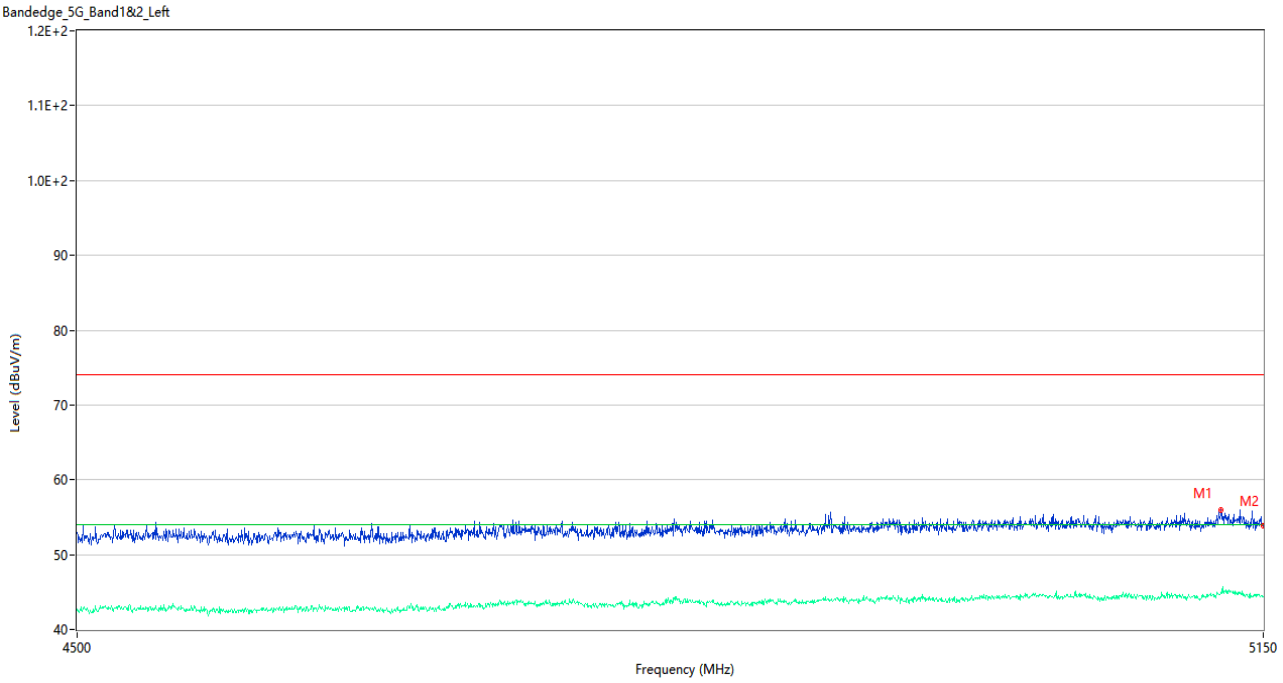
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5142.525	66.35	2.56	74.0	7.65	Peak	17.00	150	Horizontal	Pass
1**	5142.525	48.83	2.56	54.0	5.17	AV	17.00	150	Horizontal	Pass
2	5150.000	64.84	2.86	74.0	9.16	Peak	17.00	100	Horizontal	Pass
2**	5150.000	49.66	2.86	54.0	4.34	AV	17.00	100	Horizontal	Pass
3	5149.350	65.90	2.85	74.0	8.10	Peak	7.00	100	Horizontal	Pass
3**	5149.350	50.39	2.85	54.0	3.61	AV	7.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



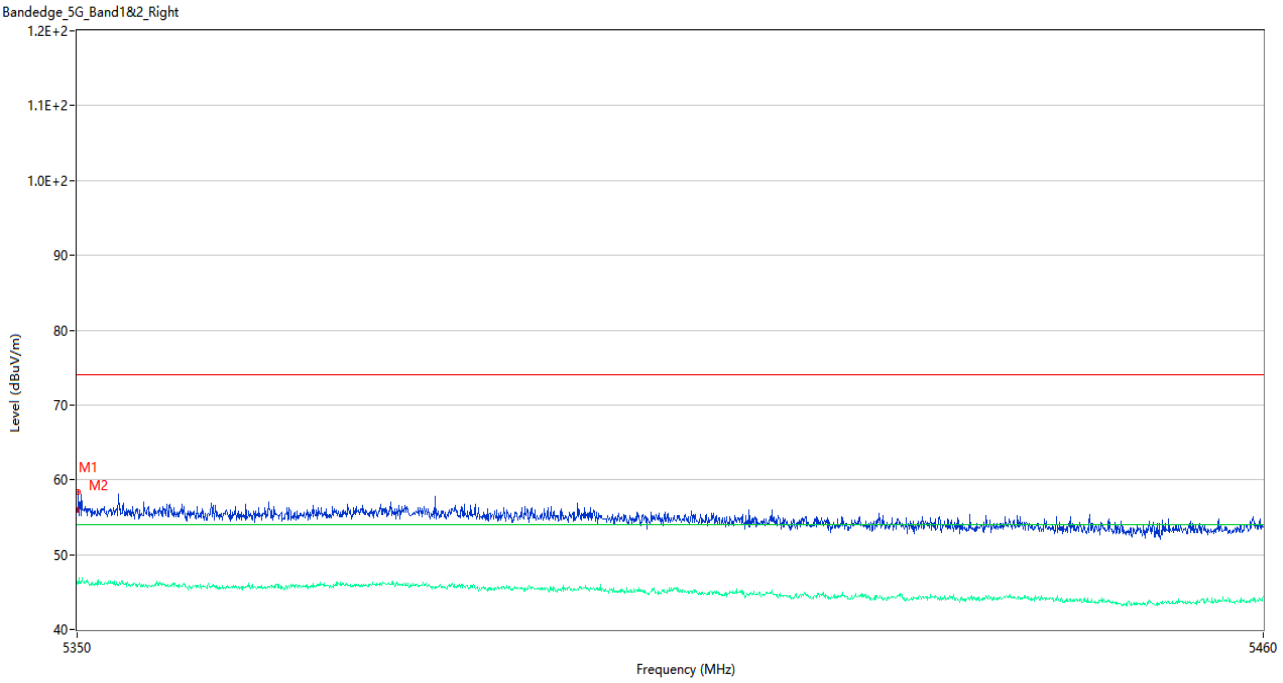
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.60	3.32	74.0	17.40	Peak	31.00	150	Horizontal	Pass
1**	5350.000	46.56	3.32	54.0	7.44	AV	31.00	150	Horizontal	Pass
2	5350.660	58.11	3.19	74.0	15.89	Peak	35.00	100	Horizontal	Pass
2**	5350.660	46.14	3.19	54.0	7.86	AV	35.00	100	Horizontal	Pass

U-NII-2A 11a Low Channel



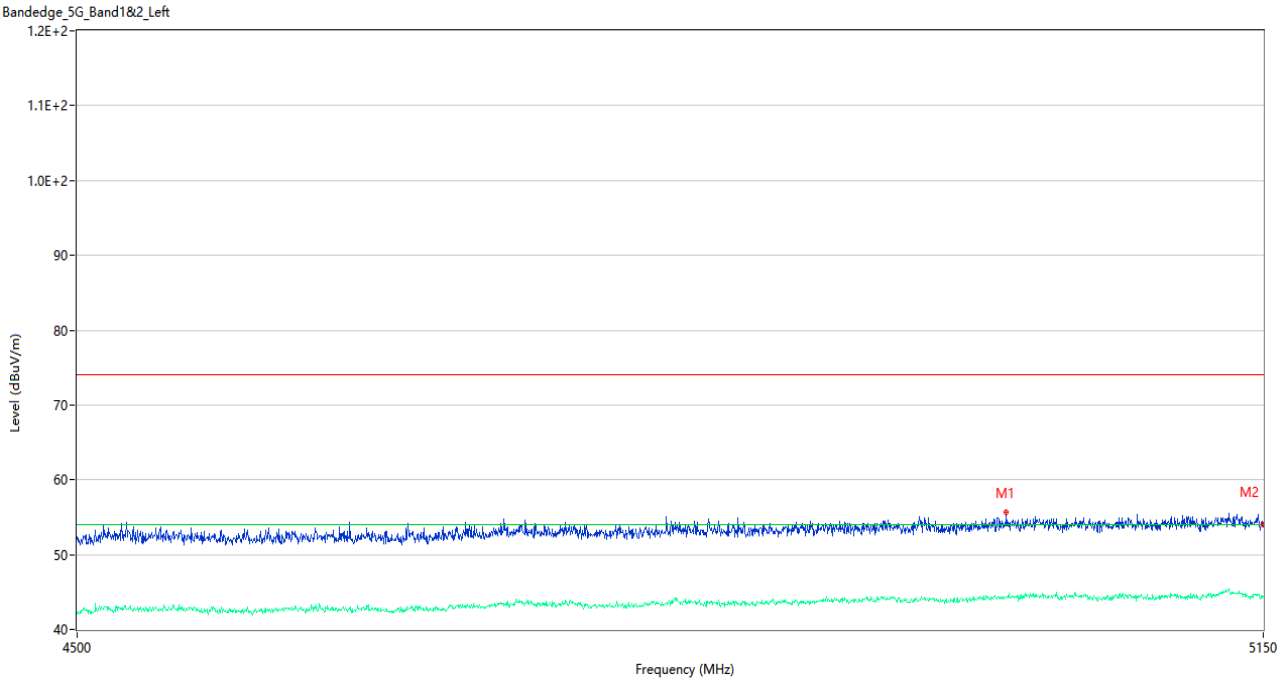
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5125.300	56.00	3.19	74.0	18.00	Peak	53.00	200	Horizontal	Pass
1**	5125.300	45.03	3.19	54.0	8.97	AV	53.00	200	Horizontal	Pass
2	5150.000	53.88	2.86	74.0	20.12	Peak	31.00	200	Horizontal	Pass
2**	5150.000	44.39	2.86	54.0	9.61	AV	31.00	200	Horizontal	Pass

U-NII-2A 11a High Channel



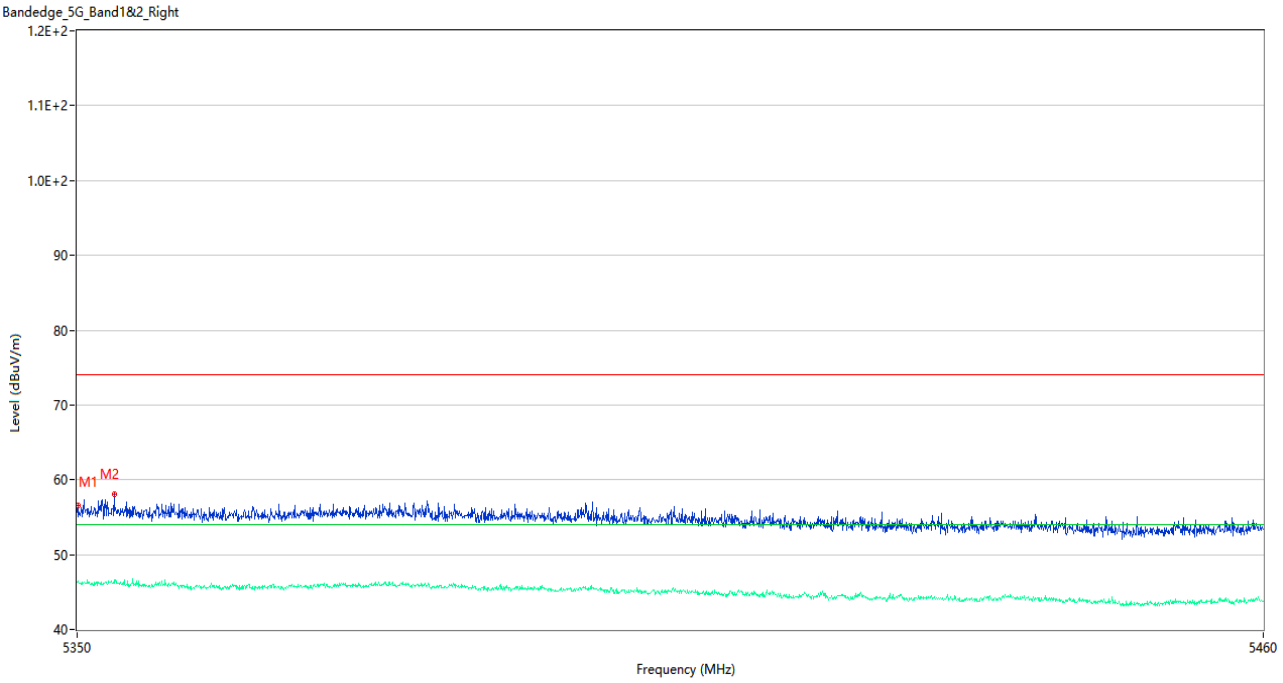
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.96	3.32	74.0	18.04	Peak	95.00	100	Horizontal	Pass
1**	5350.000	46.17	3.32	54.0	7.83	AV	95.00	100	Horizontal	Pass
2	5350.110	58.40	3.27	74.0	15.60	Peak	22.00	100	Horizontal	Pass
2**	5350.110	46.09	3.27	54.0	7.91	AV	22.00	100	Horizontal	Pass

U-NII-2A 11n20 Low Channel



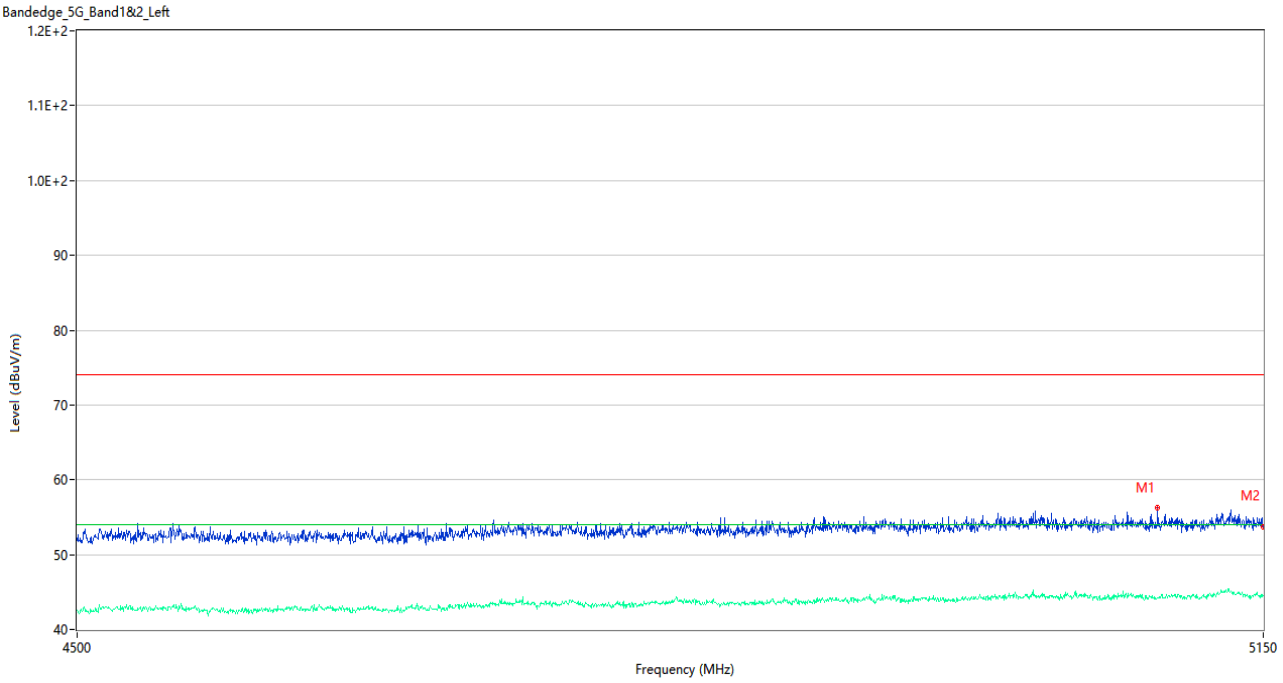
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5001.800	55.71	2.65	74.0	18.29	Peak	216.00	200	Horizontal	Pass
1**	5001.800	44.27	2.65	54.0	9.73	AV	216.00	200	Horizontal	Pass
2	5150.000	53.94	2.86	74.0	20.06	Peak	349.00	200	Horizontal	Pass
2**	5150.000	44.41	2.86	54.0	9.59	AV	349.00	200	Horizontal	Pass

U-NII-2A 11n20 High Channel



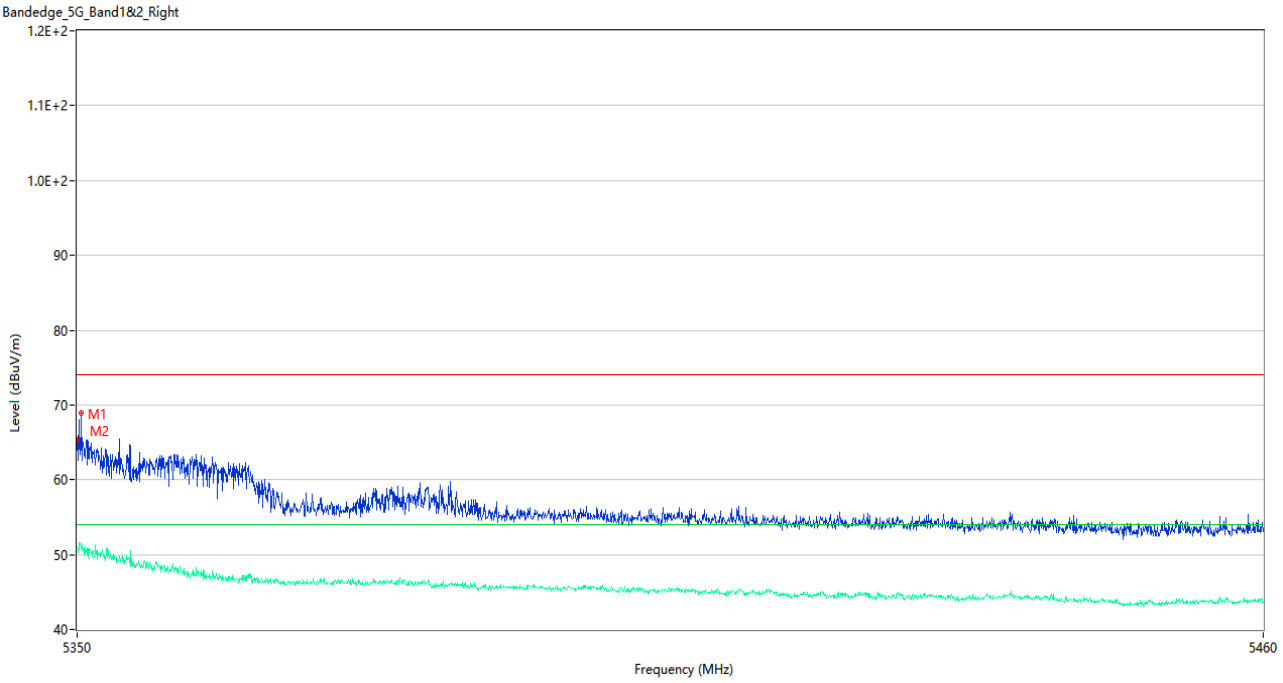
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.54	3.30	74.0	17.46	Peak	120.00	150	Horizontal	Pass
1**	5350.055	46.47	3.30	54.0	7.53	AV	120.00	150	Horizontal	Pass
2	5353.410	58.04	3.15	74.0	15.96	Peak	30.00	200	Horizontal	Pass
2**	5353.410	46.64	3.15	54.0	7.36	AV	30.00	200	Horizontal	Pass

U-NII-2A 11n40 Low Channel



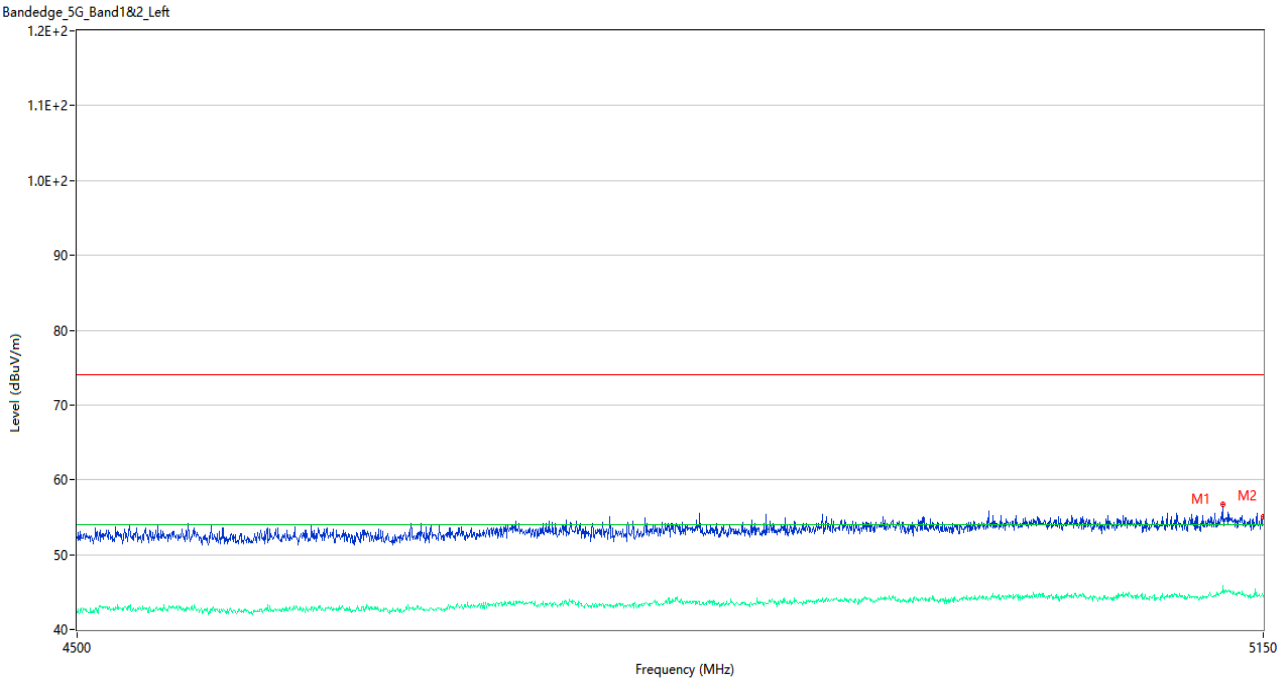
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5088.575	56.29	2.66	74.0	17.71	Peak	318.00	200	Horizontal	Pass
1**	5088.575	44.29	2.66	54.0	9.71	AV	318.00	200	Horizontal	Pass
2	5150.000	53.70	2.86	74.0	20.30	Peak	59.00	100	Horizontal	Pass
2**	5150.000	44.55	2.86	54.0	9.45	AV	59.00	100	Horizontal	Pass

U-NII-2A 11n40 High Channel



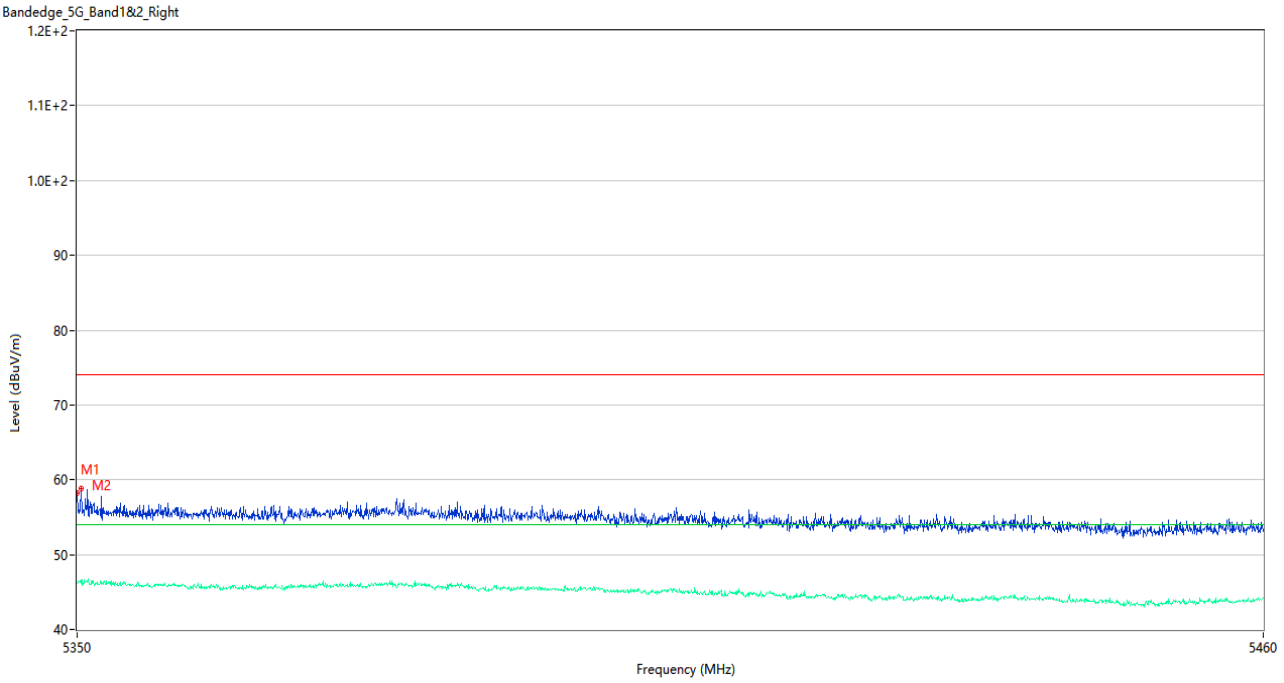
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.30	3.32	74.0	8.70	Peak	12.00	200	Horizontal	Pass
1**	5350.000	50.97	3.32	54.0	3.03	AV	12.00	200	Horizontal	Pass
2	5350.385	68.90	3.15	74.0	5.10	Peak	19.00	100	Horizontal	Pass
2**	5350.385	50.83	3.15	54.0	3.17	AV	19.00	100	Horizontal	Pass

U-NII-2A 11ac20 Low Channel



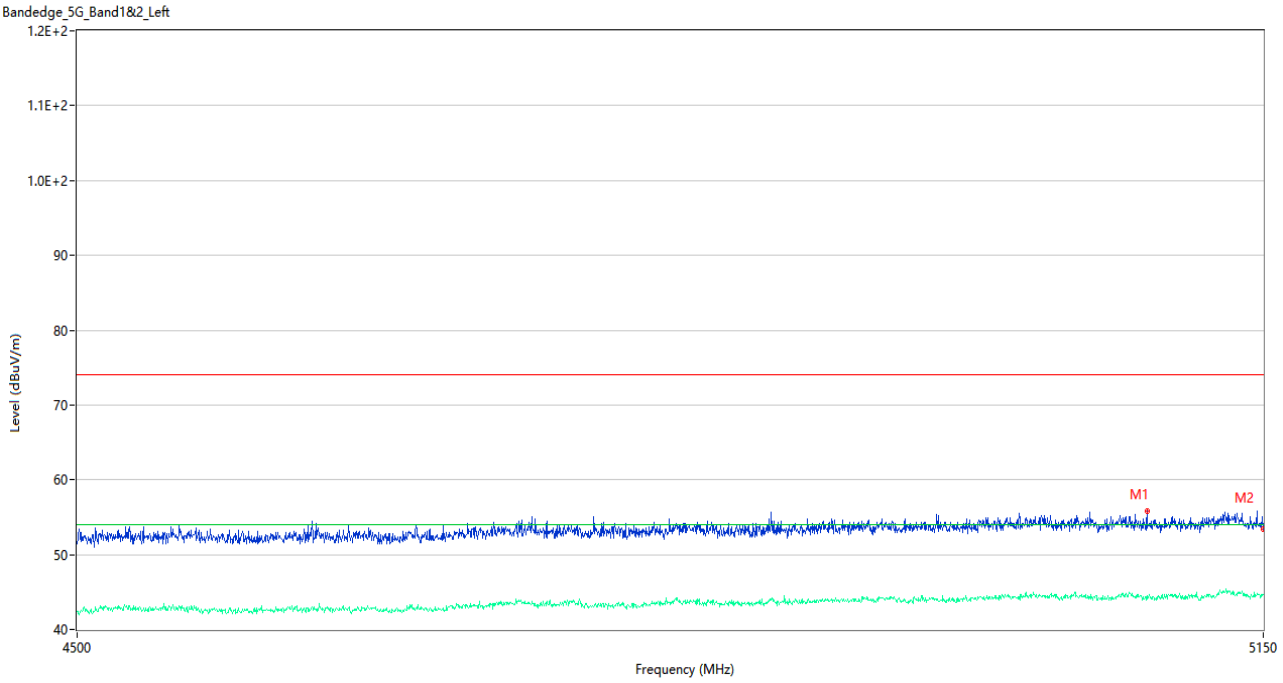
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.275	56.74	3.33	74.0	17.26	Peak	159.00	200	Horizontal	Pass
1**	5126.275	44.94	3.33	54.0	9.06	AV	159.00	200	Horizontal	Pass
2	5150.000	55.13	2.86	74.0	18.87	Peak	18.00	150	Horizontal	Pass
2**	5150.000	44.44	2.86	54.0	9.56	AV	18.00	150	Horizontal	Pass

U-NII-2A 11ac20 High Channel



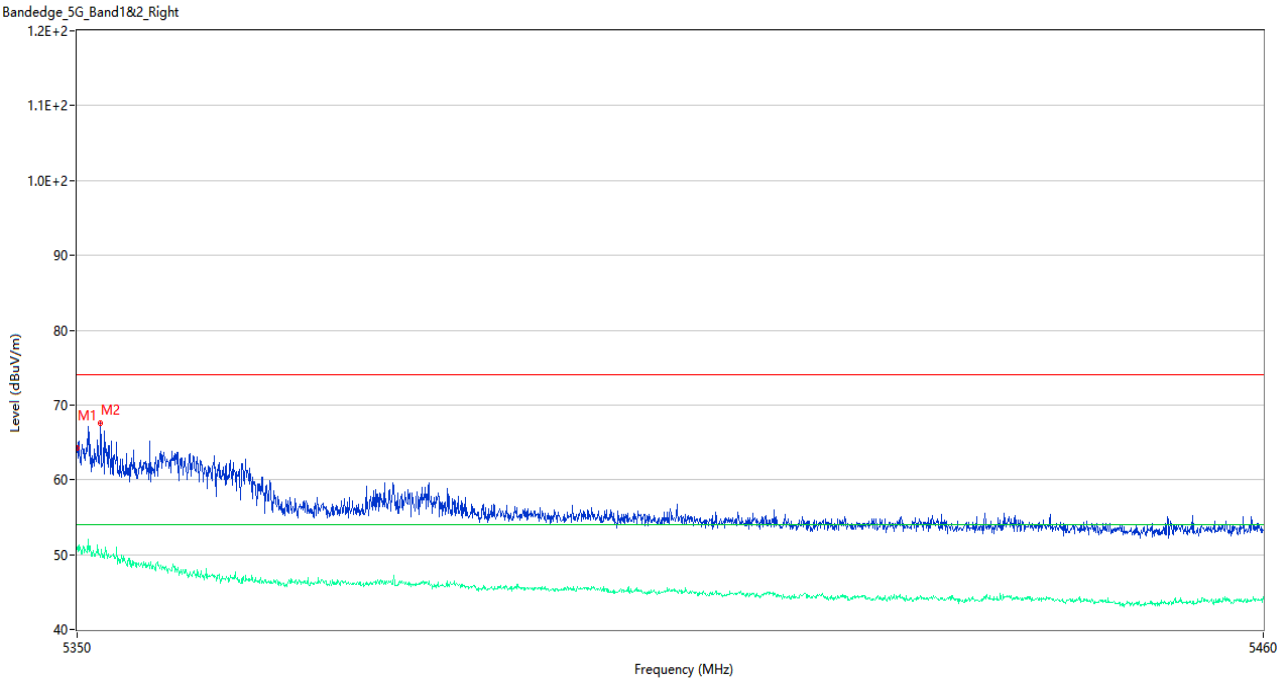
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.29	3.32	74.0	15.71	Peak	32.00	150	Horizontal	Pass
1**	5350.000	46.25	3.32	54.0	7.75	AV	32.00	150	Horizontal	Pass
2	5350.330	58.78	3.17	74.0	15.22	Peak	47.00	150	Horizontal	Pass
2**	5350.330	46.16	3.17	54.0	7.84	AV	47.00	150	Horizontal	Pass

U-NII-2A 11ac40 Low Channel



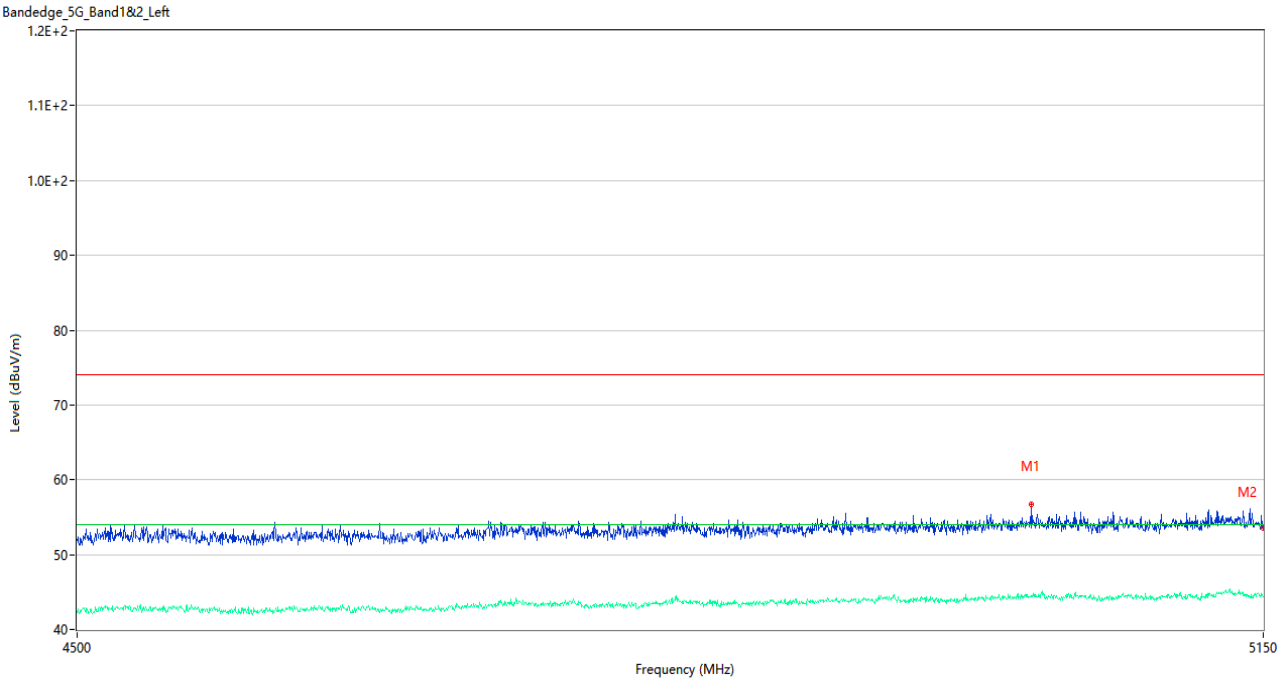
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5082.400	55.89	2.79	74.0	18.11	Peak	298.00	100	Horizontal	Pass
1**	5082.400	44.51	2.79	54.0	9.49	AV	298.00	100	Horizontal	Pass
2	5150.000	53.39	2.86	74.0	20.61	Peak	157.00	200	Horizontal	Pass
2**	5150.000	44.60	2.86	54.0	9.40	AV	157.00	200	Horizontal	Pass

U-NII-2A 11ac40 High Channel



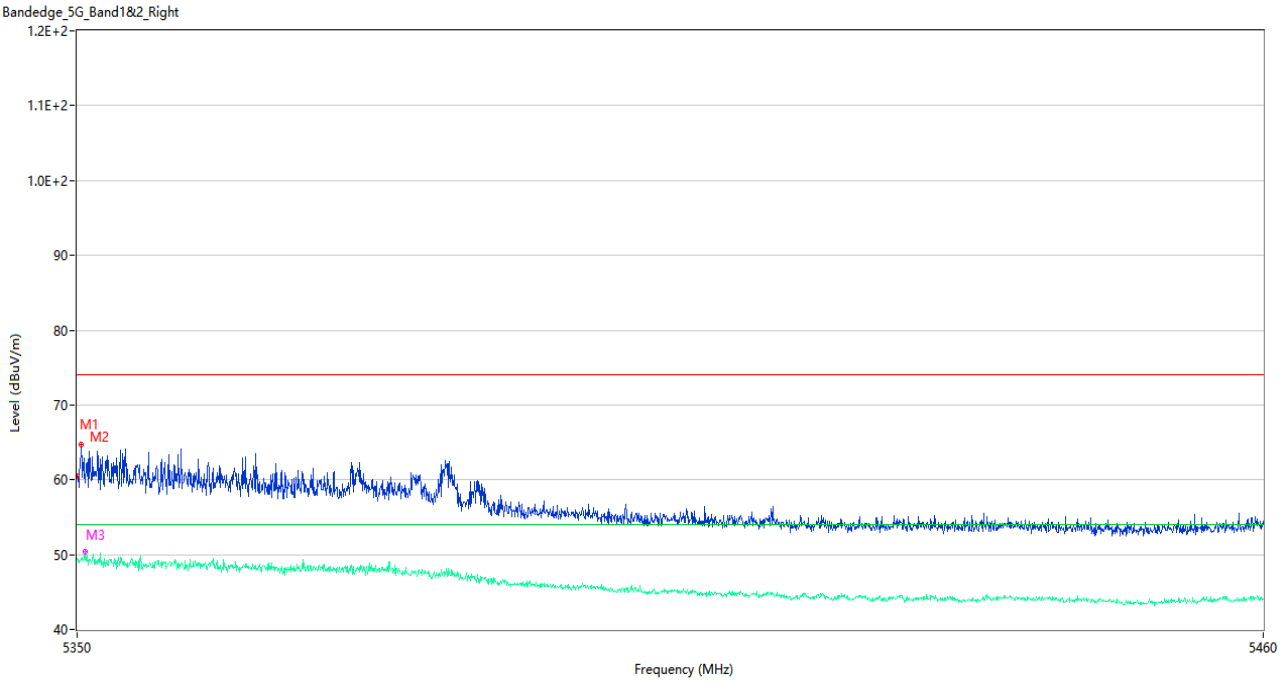
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	64.22	3.32	74.0	9.78	Peak	28.00	150	Horizontal	Pass
1**	5350.000	50.94	3.32	54.0	3.06	AV	28.00	150	Horizontal	Pass
2	5352.145	67.52	3.09	74.0	6.48	Peak	12.00	100	Horizontal	Pass
2**	5352.145	49.60	3.09	54.0	4.40	AV	12.00	100	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



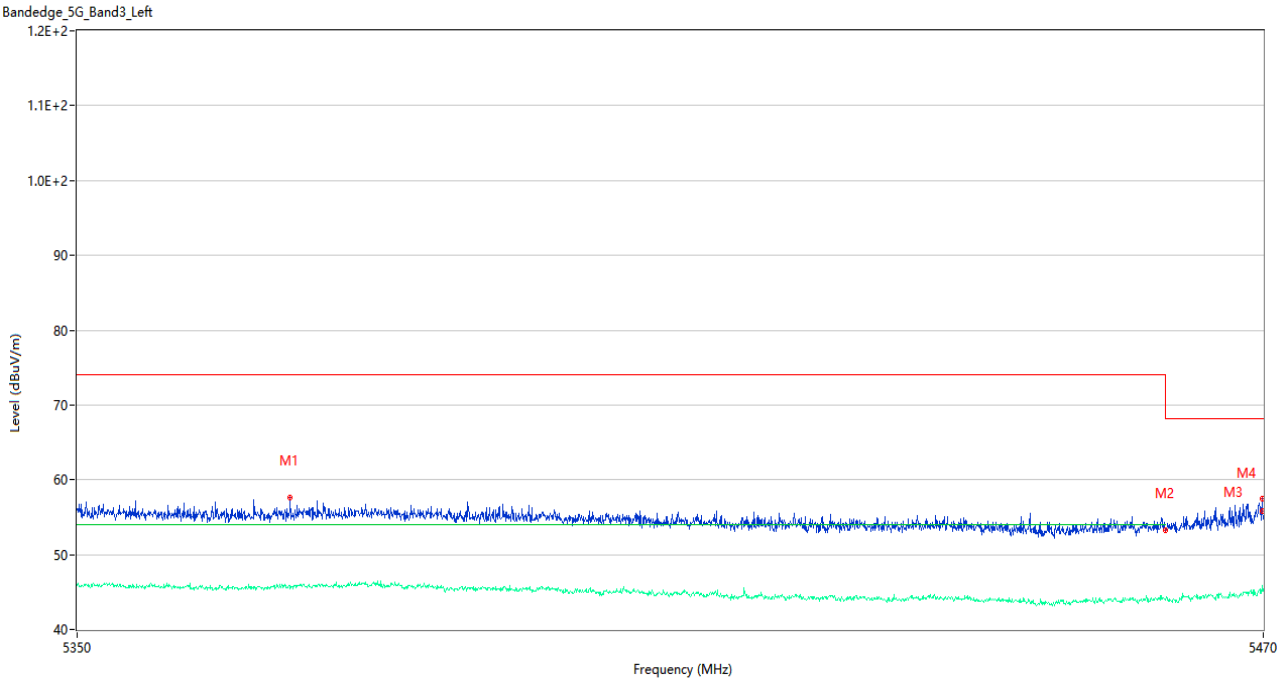
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5016.100	56.79	2.86	74.0	17.21	Peak	184.00	150	Horizontal	Pass
1**	5016.100	44.42	2.86	54.0	9.58	AV	184.00	150	Horizontal	Pass
2	5150.000	53.61	2.86	74.0	20.39	Peak	93.00	200	Horizontal	Pass
2**	5150.000	44.36	2.86	54.0	9.64	AV	93.00	200	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



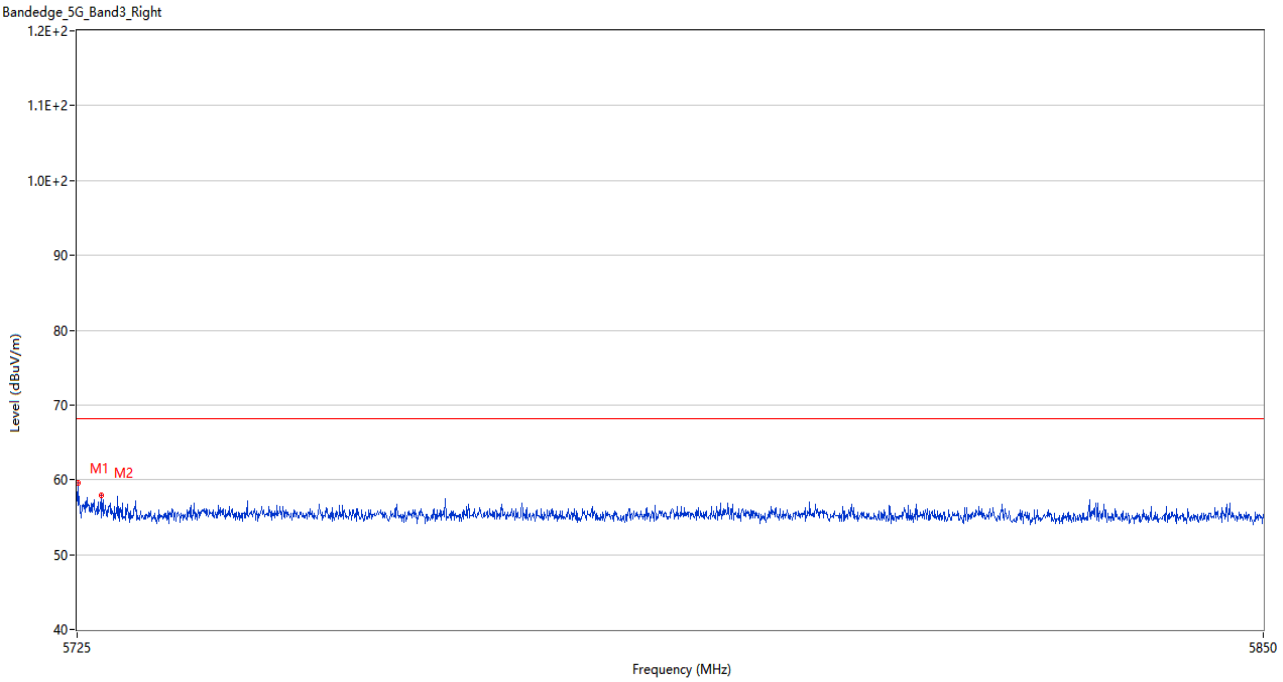
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	60.42	3.32	74.0	13.58	Peak	33.00	100	Horizontal	Pass
1**	5350.000	49.43	3.32	54.0	4.57	AV	33.00	100	Horizontal	Pass
2	5350.385	64.69	3.15	74.0	9.31	Peak	28.00	100	Horizontal	Pass
2**	5350.385	49.40	3.15	54.0	4.60	AV	28.00	100	Horizontal	Pass
3	5350.770	59.53	3.23	74.0	14.47	Peak	28.00	100	Horizontal	Pass
3**	5350.770	50.34	3.23	54.0	3.66	AV	28.00	100	Horizontal	Pass

U-NII-2C 11a Low Channel



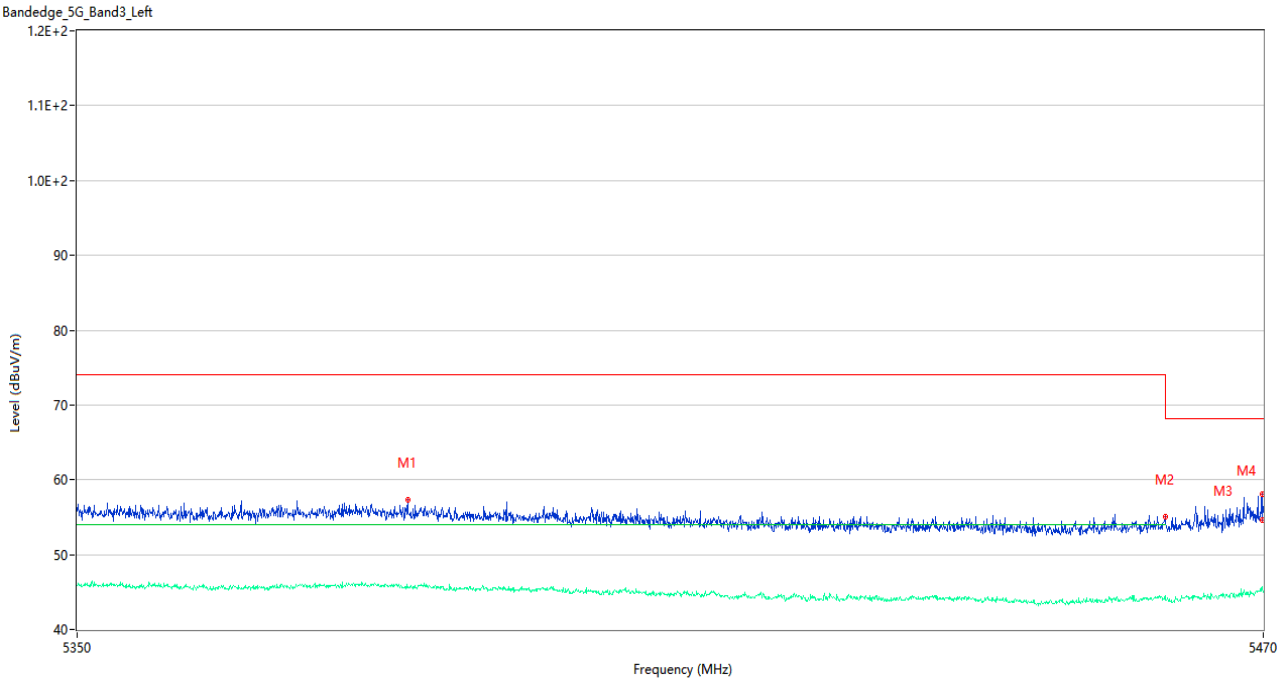
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5371.360	57.61	2.70	74.0	16.39	Peak	46.00	150	Horizontal	Pass
1**	5371.360	45.42	2.70	54.0	8.58	AV	46.00	150	Horizontal	Pass
2	5459.980	53.24	3.49	74.0	20.76	Peak	54.00	100	Horizontal	Pass
2**	5459.980	43.94	3.49	54.0	10.06	AV	54.00	100	Horizontal	Pass
3	5469.880	57.55	3.28	68.2	10.65	Peak	19.00	150	Horizontal	Pass
3**	5469.880	45.22	3.28	--	--	AV	19.00	150	Horizontal	N/A
4	5469.940	55.77	3.29	68.2	12.43	Peak	19.00	200	Horizontal	Pass
4**	5469.940	45.89	3.29	--	--	AV	19.00	200	Horizontal	N/A

U-NII-2C 11a High Channel



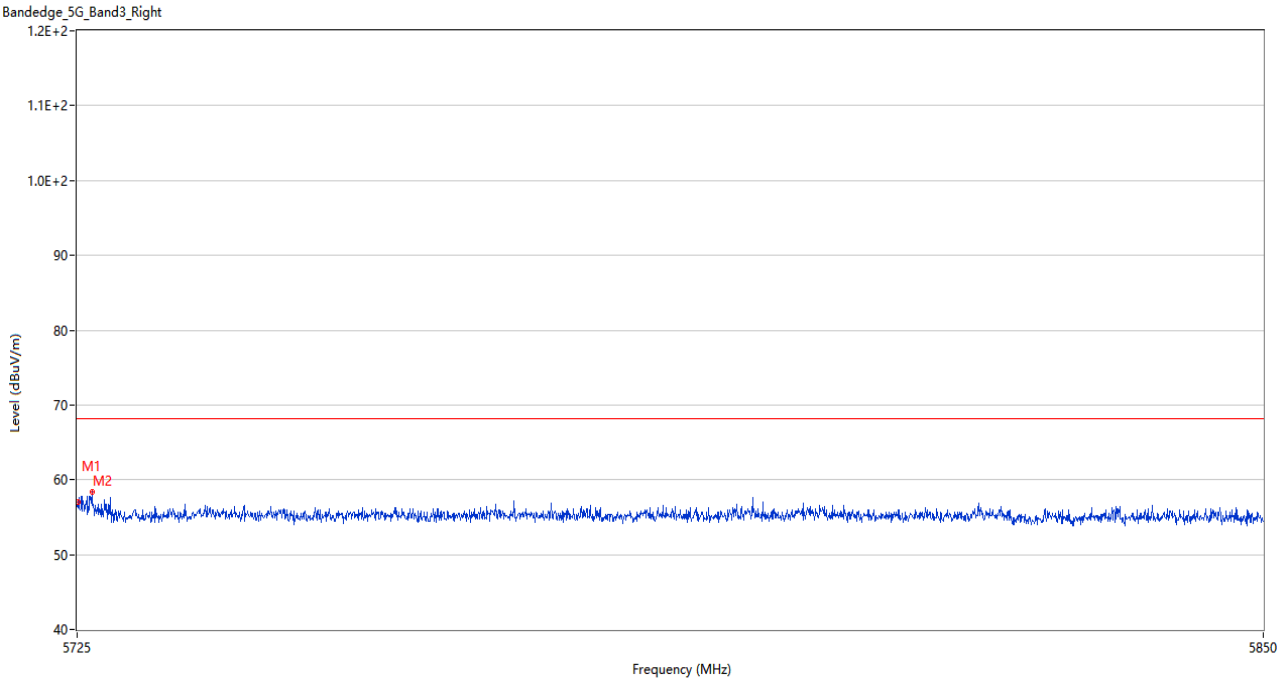
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	59.53	3.44	68.2	8.67	Peak	23.00	150	Horizontal	Pass
2	5727.500	57.89	3.67	68.2	10.31	Peak	13.00	150	Horizontal	Pass

U-NII-2C 11n20 Low Channel



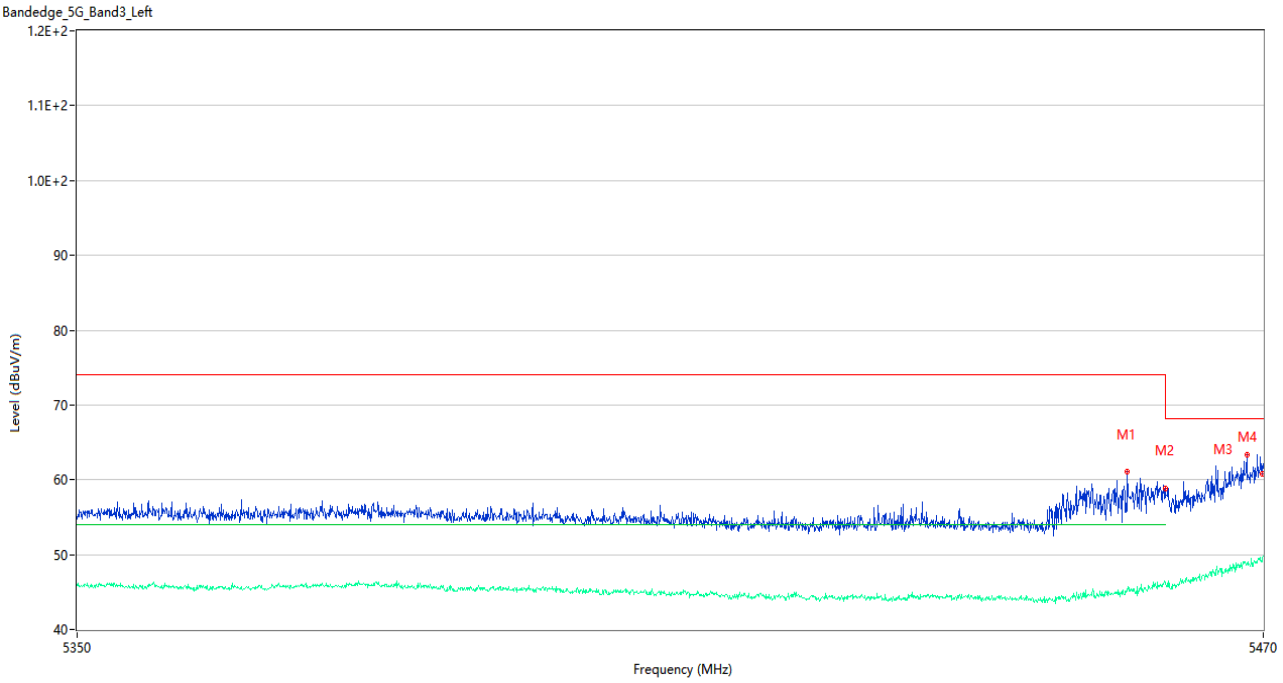
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5383.180	57.32	2.91	74.0	16.68	Peak	198.00	200	Horizontal	Pass
1**	5383.180	45.61	2.91	54.0	8.39	AV	198.00	200	Horizontal	Pass
2	5459.980	55.11	3.49	74.0	18.89	Peak	6.00	200	Horizontal	Pass
2**	5459.980	44.47	3.49	54.0	9.53	AV	6.00	200	Horizontal	Pass
3	5469.880	58.04	3.28	68.2	10.16	Peak	18.00	100	Horizontal	Pass
3**	5469.880	45.69	3.28	--	--	AV	18.00	100	Horizontal	N/A
4	5469.940	54.59	3.29	68.2	13.61	Peak	32.00	200	Horizontal	Pass
4**	5469.940	45.51	3.29	--	--	AV	32.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



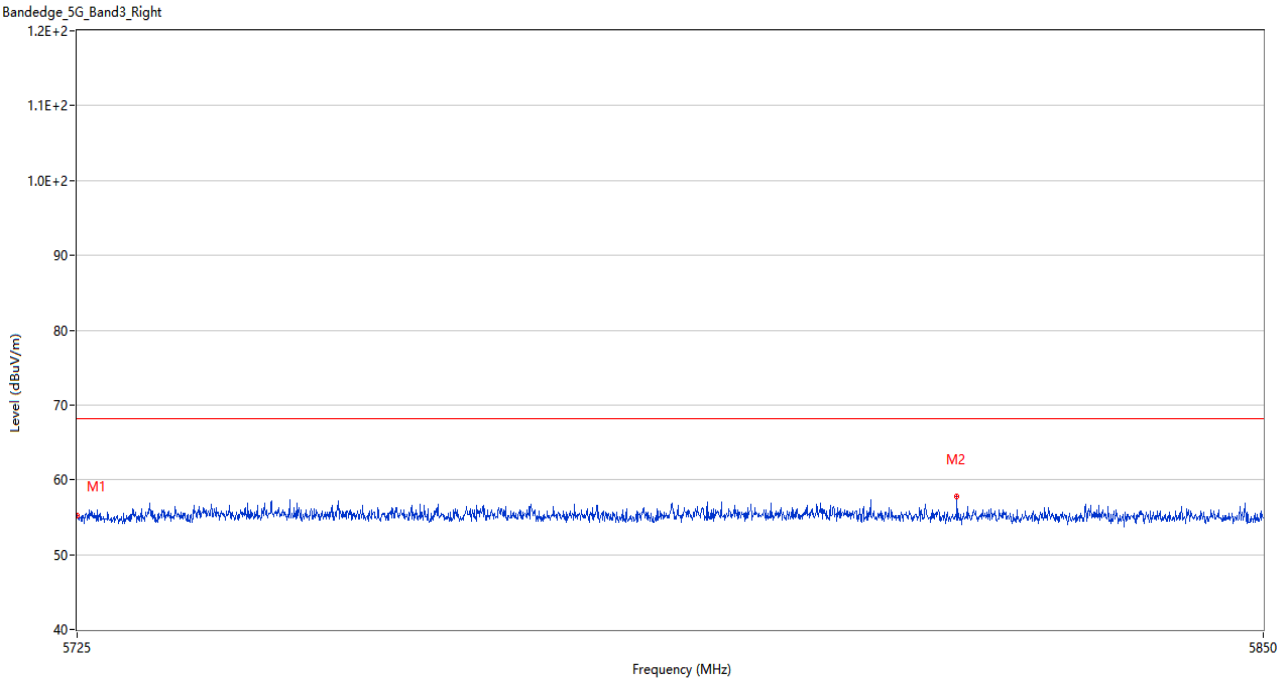
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	57.00	3.44	68.2	11.20	Peak	44.00	100	Horizontal	Pass
2	5726.562	58.36	3.87	68.2	9.84	Peak	15.00	200	Horizontal	Pass

U-NII-2C 11n40 Low Channel



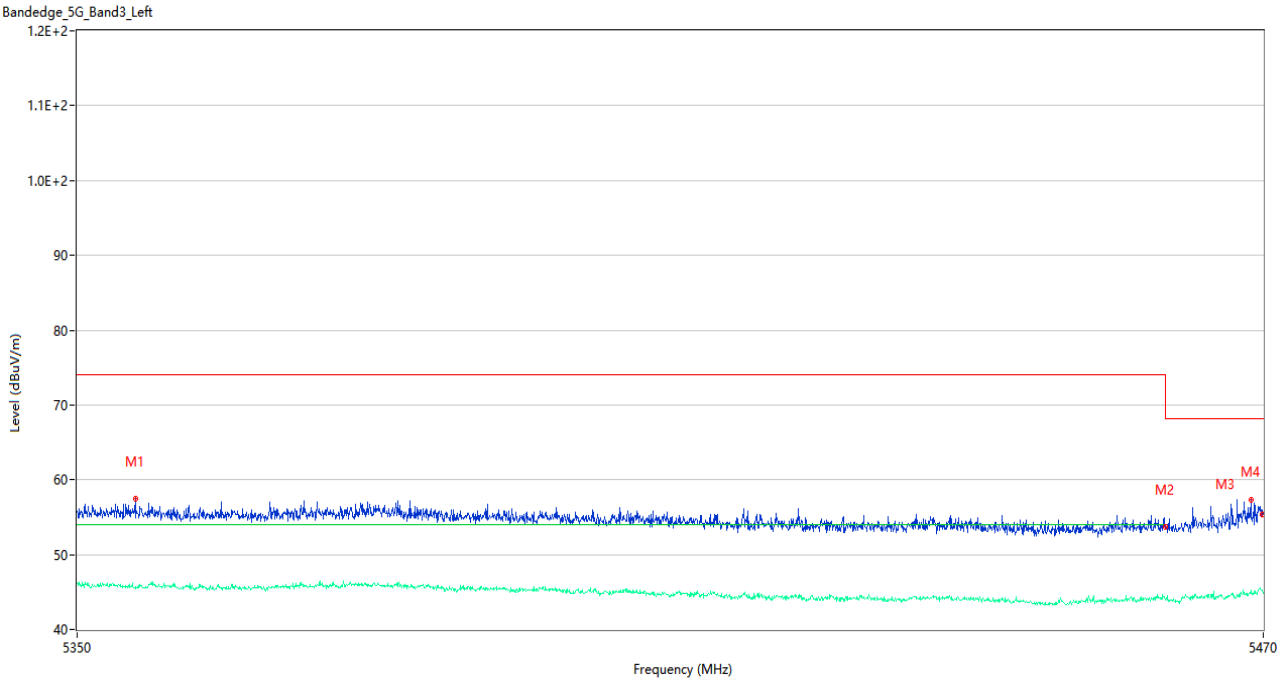
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.140	61.09	3.57	74.0	12.91	Peak	23.00	100	Horizontal	Pass
1**	5456.140	45.17	3.57	54.0	8.83	AV	23.00	100	Horizontal	Pass
2	5459.980	58.89	3.49	74.0	15.11	Peak	20.00	150	Horizontal	Pass
2**	5459.980	45.99	3.49	54.0	8.01	AV	20.00	150	Horizontal	Pass
3	5468.320	63.31	3.32	68.2	4.89	Peak	20.00	100	Horizontal	Pass
3**	5468.320	48.78	3.32	--	--	AV	20.00	100	Horizontal	N/A
4	5469.940	60.84	3.29	68.2	7.36	Peak	47.00	200	Horizontal	Pass
4**	5469.940	49.54	3.29	--	--	AV	47.00	200	Horizontal	N/A

U-NII-2C 11n40 High Channel



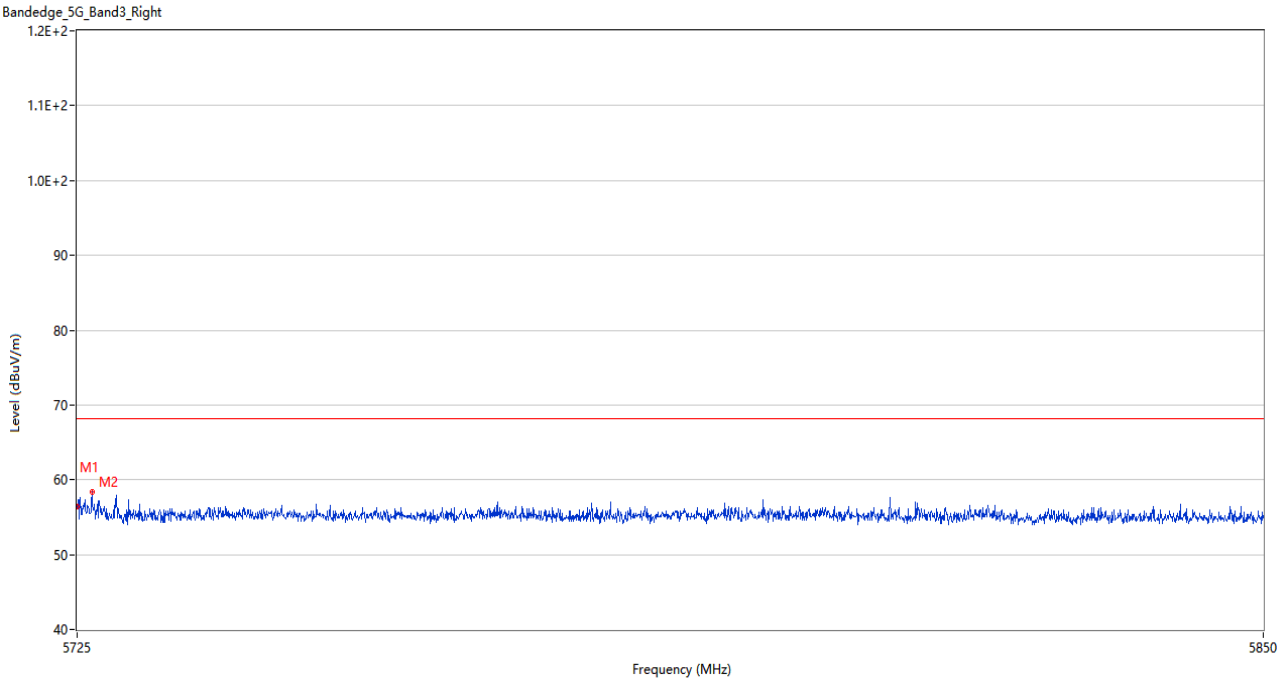
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.17	3.51	68.2	13.03	Peak	73.00	100	Horizontal	Pass
2	5817.438	57.82	3.41	68.2	10.38	Peak	199.00	200	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



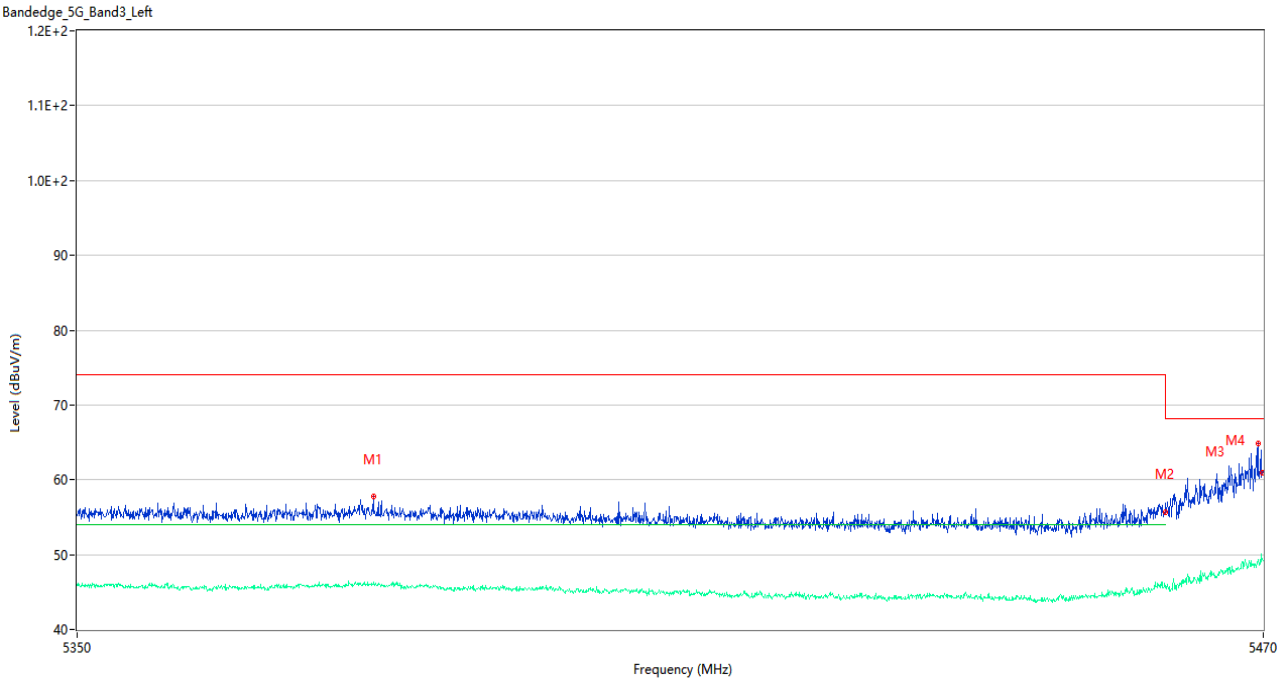
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5355.820	57.52	2.84	74.0	16.48	Peak	186.00	100	Horizontal	Pass
1**	5355.820	45.76	2.84	54.0	8.24	AV	186.00	100	Horizontal	Pass
2	5459.980	53.67	3.49	74.0	20.33	Peak	2.00	200	Horizontal	Pass
2**	5459.980	44.12	3.49	54.0	9.88	AV	2.00	200	Horizontal	Pass
3	5468.740	57.28	3.23	68.2	10.92	Peak	12.00	200	Horizontal	Pass
3**	5468.740	44.85	3.23	--	--	AV	12.00	200	Horizontal	N/A
4	5469.940	55.37	3.29	68.2	12.83	Peak	9.00	200	Horizontal	Pass
4**	5469.940	45.32	3.29	--	--	AV	9.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel



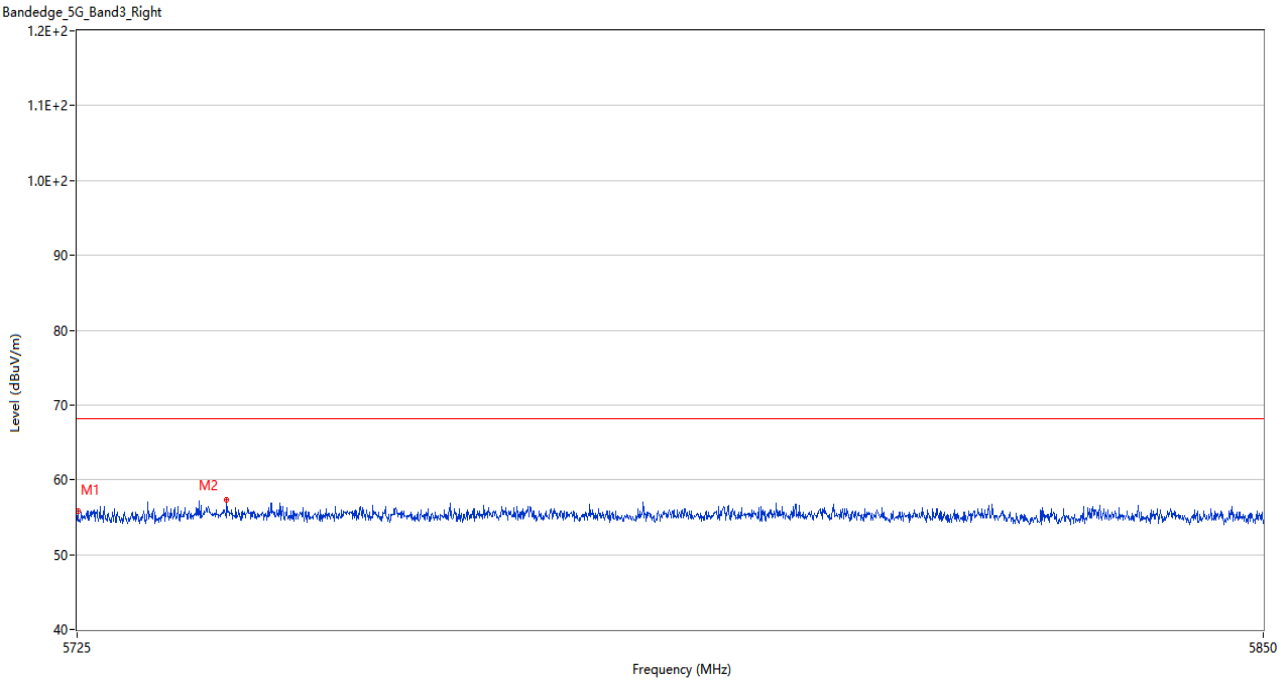
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.49	3.51	68.2	11.71	Peak	196.00	100	Horizontal	Pass
2	5726.562	58.36	3.87	68.2	9.84	Peak	12.00	100	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



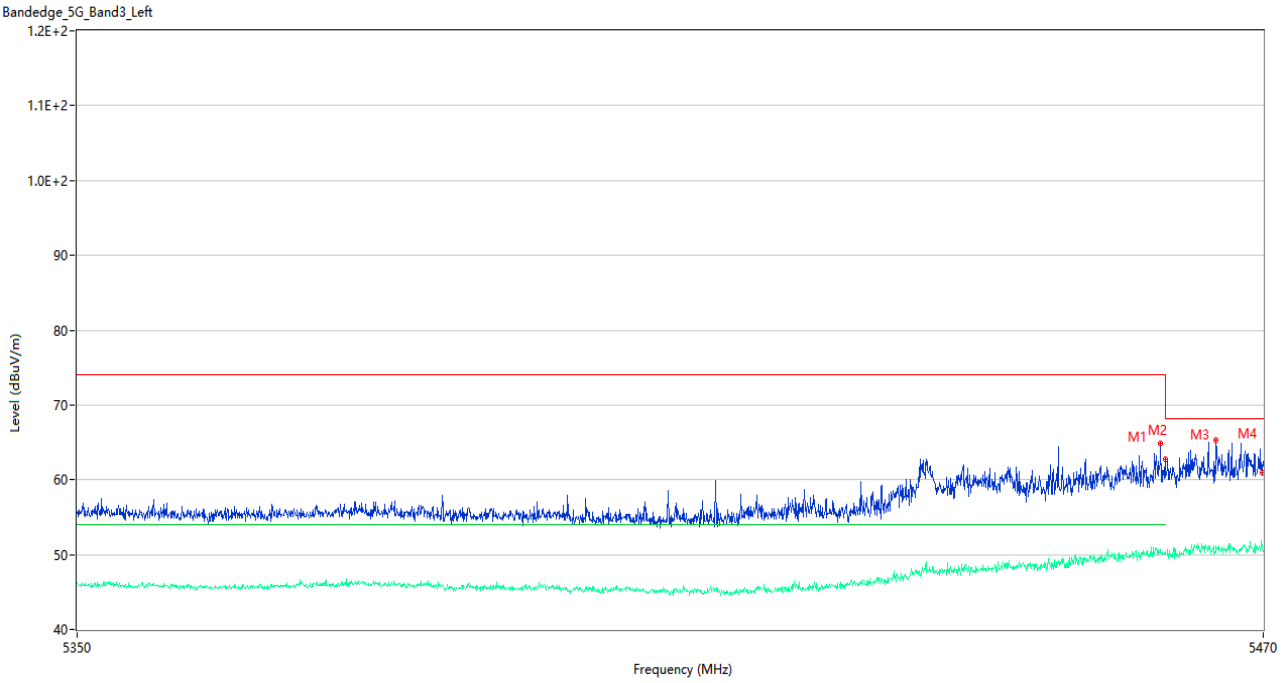
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5379.700	57.74	3.21	74.0	16.26	Peak	292.00	150	Horizontal	Pass
1**	5379.700	45.99	3.21	54.0	8.01	AV	292.00	150	Horizontal	Pass
2	5459.980	55.74	3.49	74.0	18.26	Peak	13.00	150	Horizontal	Pass
2**	5459.980	45.83	3.49	54.0	8.17	AV	13.00	150	Horizontal	Pass
3	5469.460	64.91	3.30	68.2	3.29	Peak	43.00	200	Horizontal	Pass
3**	5469.460	49.08	3.30	--	--	AV	43.00	200	Horizontal	N/A
4	5469.940	60.93	3.29	68.2	7.27	Peak	16.00	100	Horizontal	Pass
4**	5469.940	49.34	3.29	--	--	AV	16.00	100	Horizontal	N/A

U-NII-2C 11ac40 High Channel



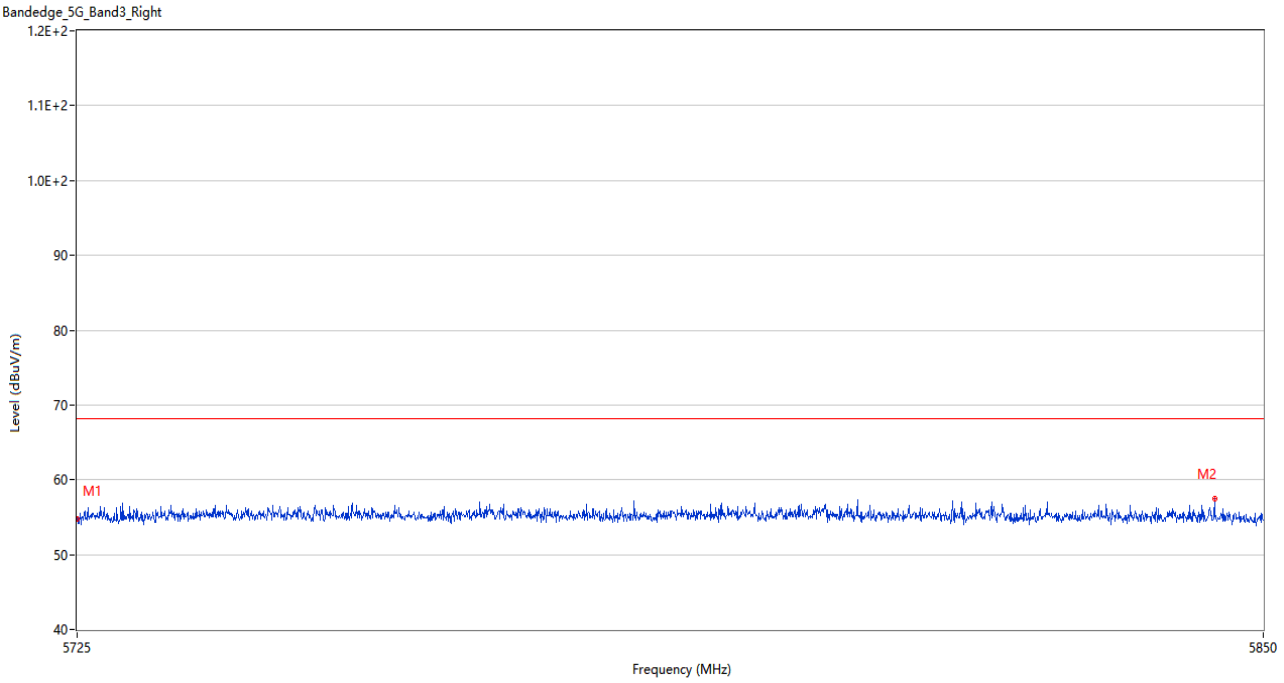
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	55.81	3.44	68.2	12.39	Peak	65.00	150	Horizontal	Pass
2	5740.625	57.33	3.90	68.2	10.87	Peak	265.00	100	Horizontal	Pass

U-NII-2C 11ac80 Low Channel



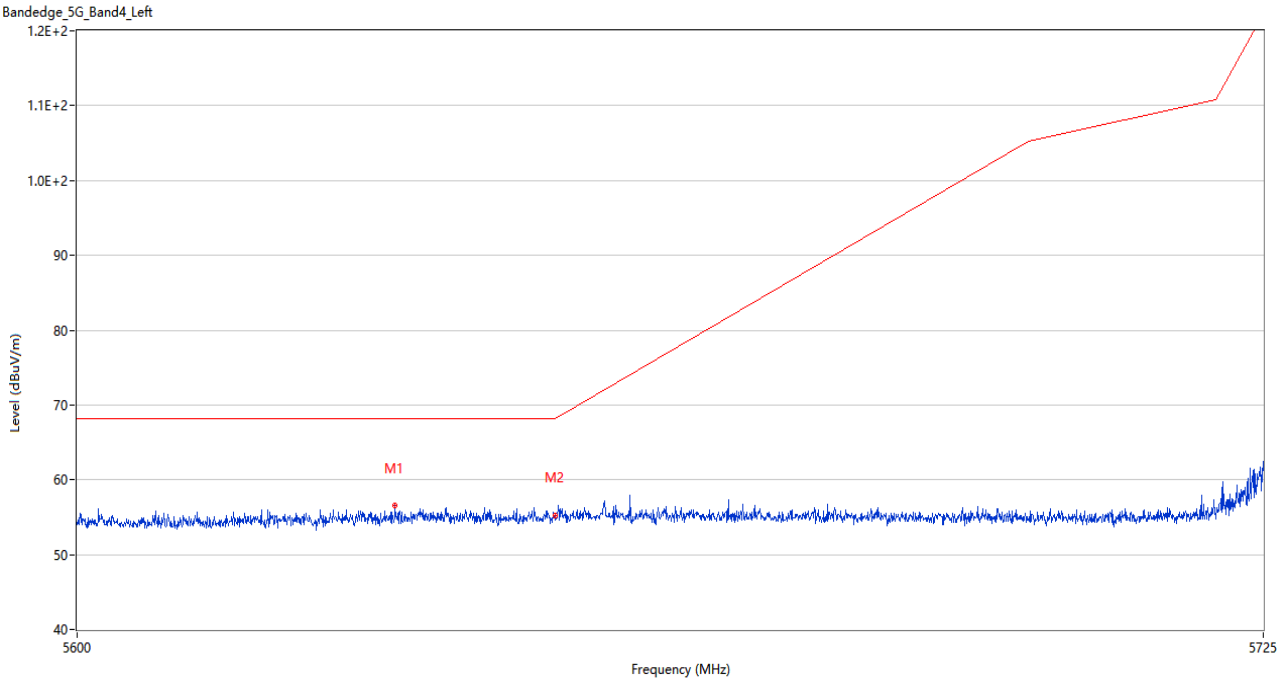
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.500	64.85	3.60	74.0	9.15	Peak	10.00	100	Horizontal	Pass
1**	5459.500	50.22	3.60	54.0	3.78	AV	10.00	100	Horizontal	Pass
2	5459.980	62.71	3.49	74.0	11.29	Peak	22.00	100	Horizontal	Pass
2**	5459.980	50.34	3.49	54.0	3.66	AV	22.00	100	Horizontal	Pass
3	5465.200	65.16	3.18	68.2	3.04	Peak	16.00	150	Horizontal	Pass
3**	5465.200	51.17	3.18	--	--	AV	16.00	150	Horizontal	N/A
4	5469.940	60.88	3.29	68.2	7.32	Peak	16.00	150	Horizontal	Pass
4**	5469.940	50.96	3.29	--	--	AV	16.00	150	Horizontal	N/A

U-NII-2C 11ac80 High Channel



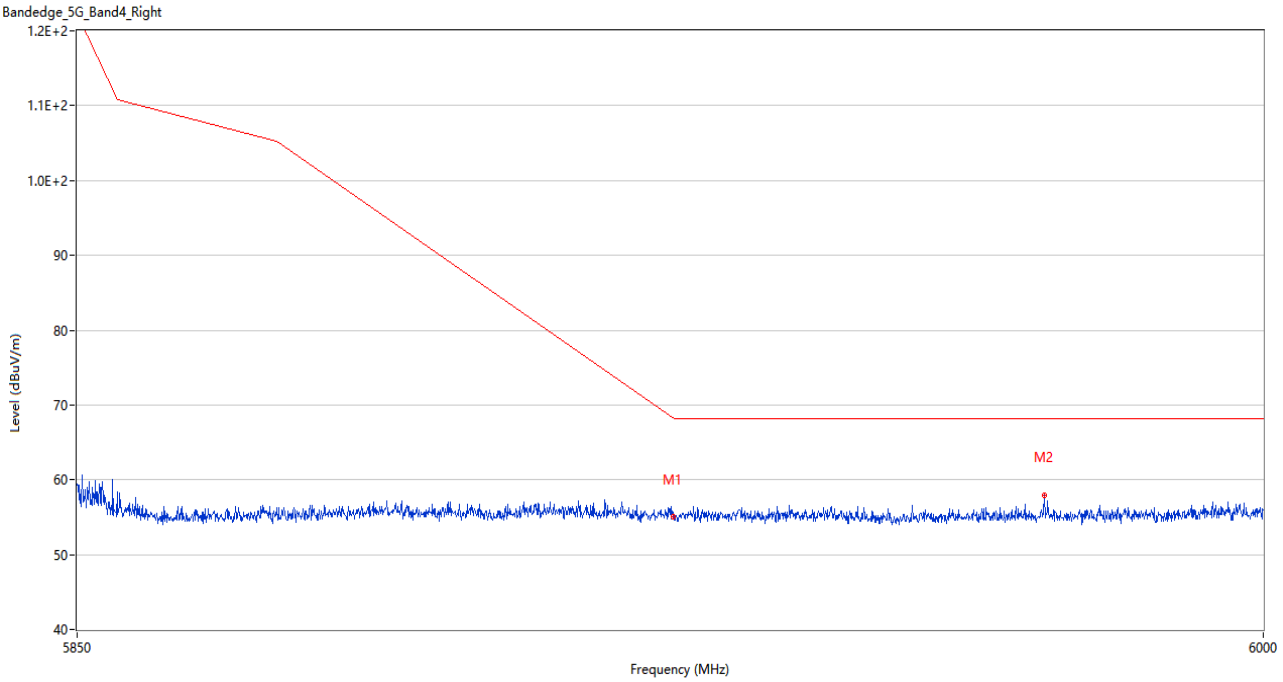
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.79	3.51	68.2	13.41	Peak	32.00	100	Horizontal	Pass
2	5844.812	57.53	3.48	68.2	10.67	Peak	209.00	150	Horizontal	Pass

U-NII-3 11a Low Channel



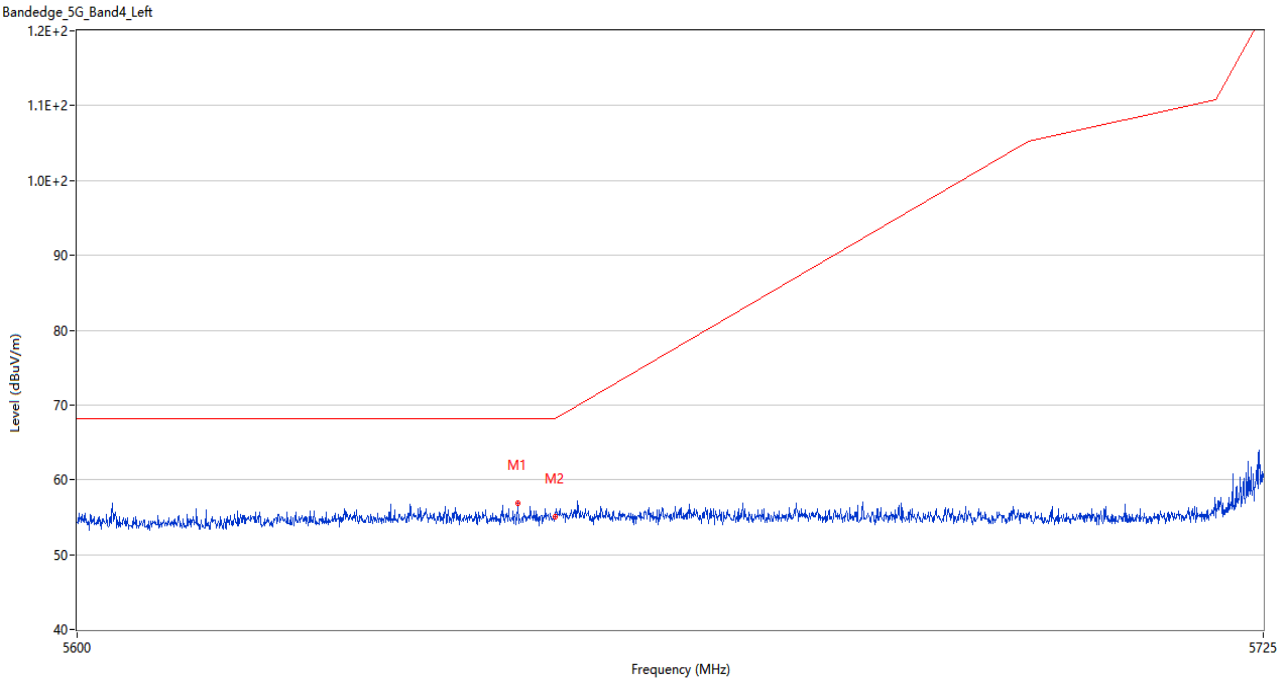
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5633.250	56.55	3.57	68.2	11.65	Peak	58.00	150	Horizontal	Pass
2	5650.000	55.27	3.72	68.2	12.93	Peak	360.00	150	Horizontal	Pass

U-NII-3 11a High Channel



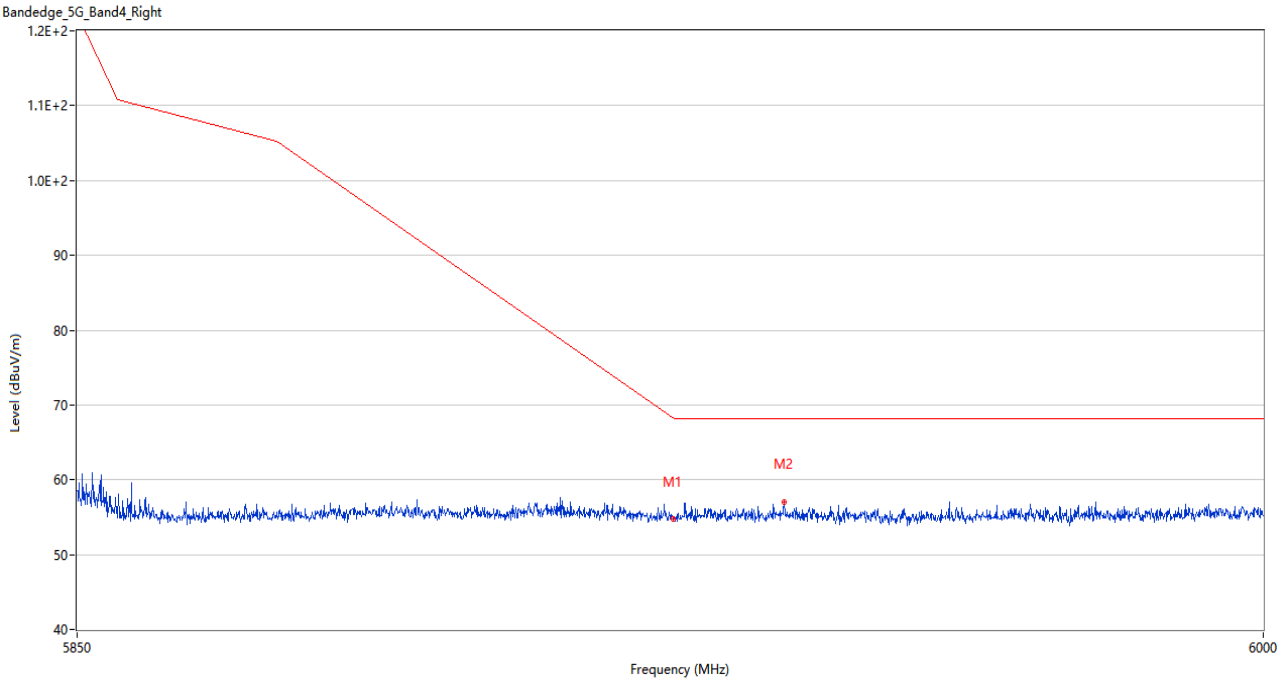
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.06	3.42	68.3	13.24	Peak	206.00	100	Horizontal	Pass
2	5972.025	58.00	3.92	68.2	10.20	Peak	237.00	200	Horizontal	Pass

U-NII-3 11n20 Low Channel



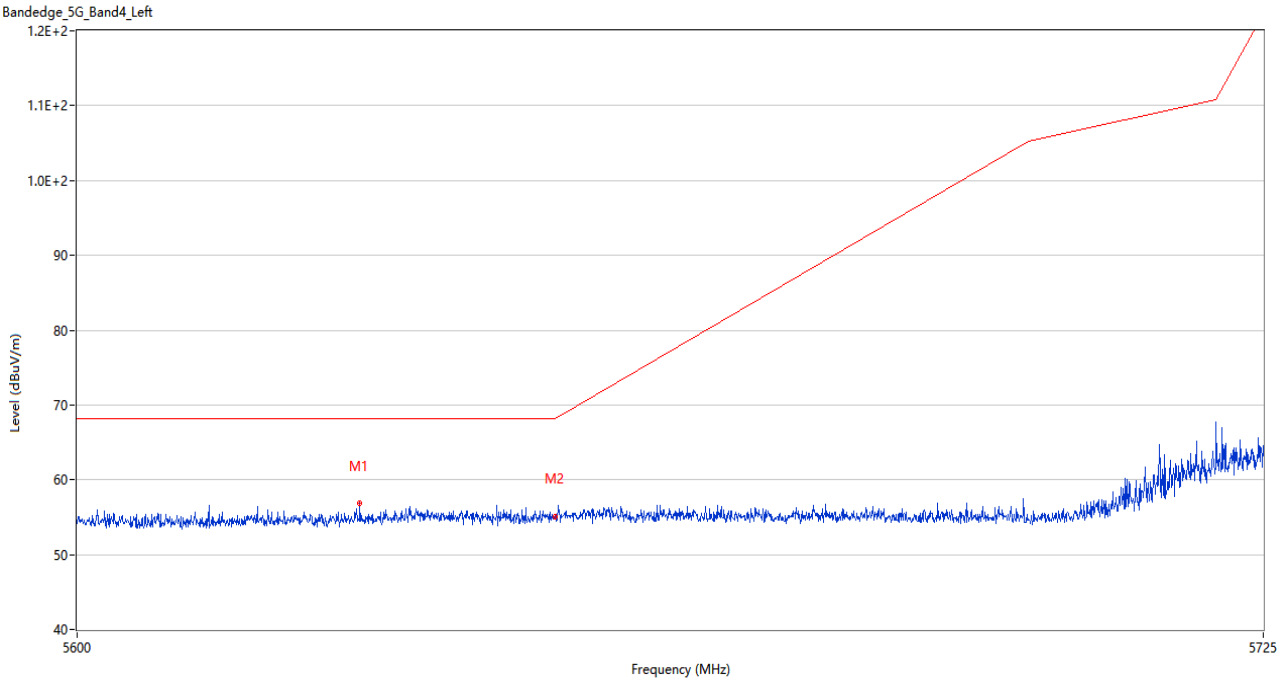
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.125	56.93	3.36	68.2	11.27	Peak	293.00	150	Horizontal	Pass
2	5650.000	55.14	3.72	68.2	13.06	Peak	51.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel



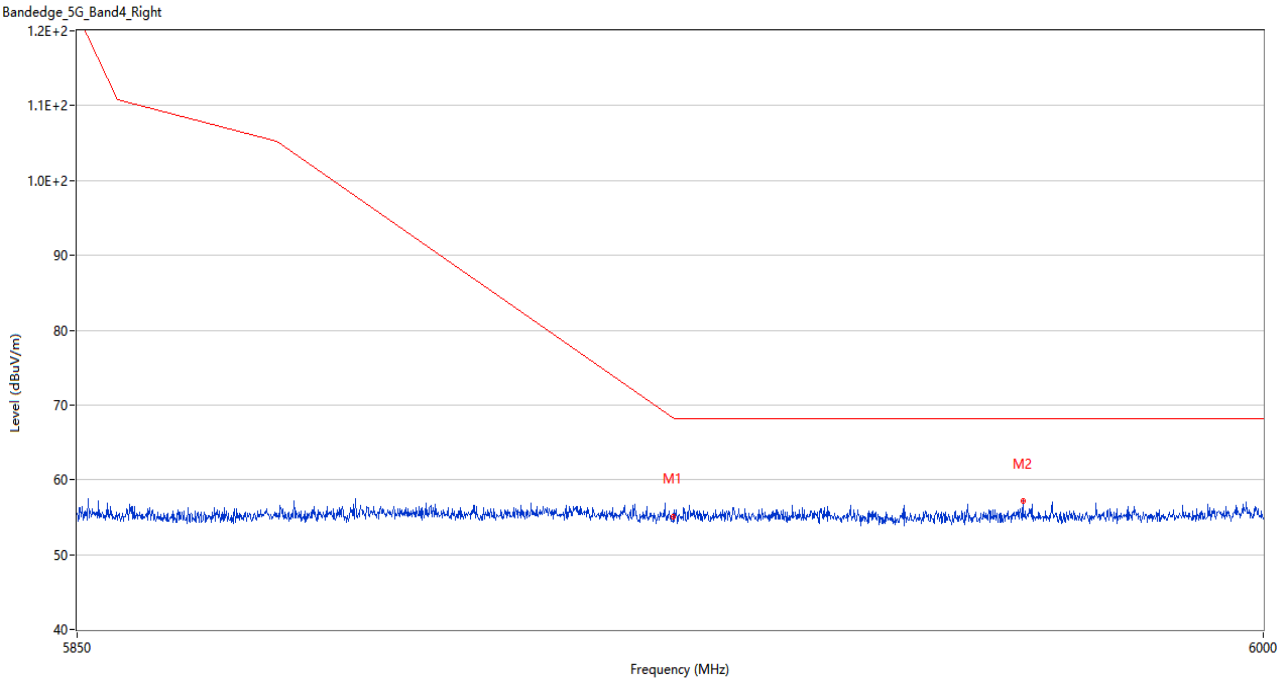
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.72	3.42	68.3	13.58	Peak	204.00	100	Horizontal	Pass
2	5938.950	57.08	3.64	68.2	11.12	Peak	292.00	150	Horizontal	Pass

U-NII-3 11n40 Low Channel



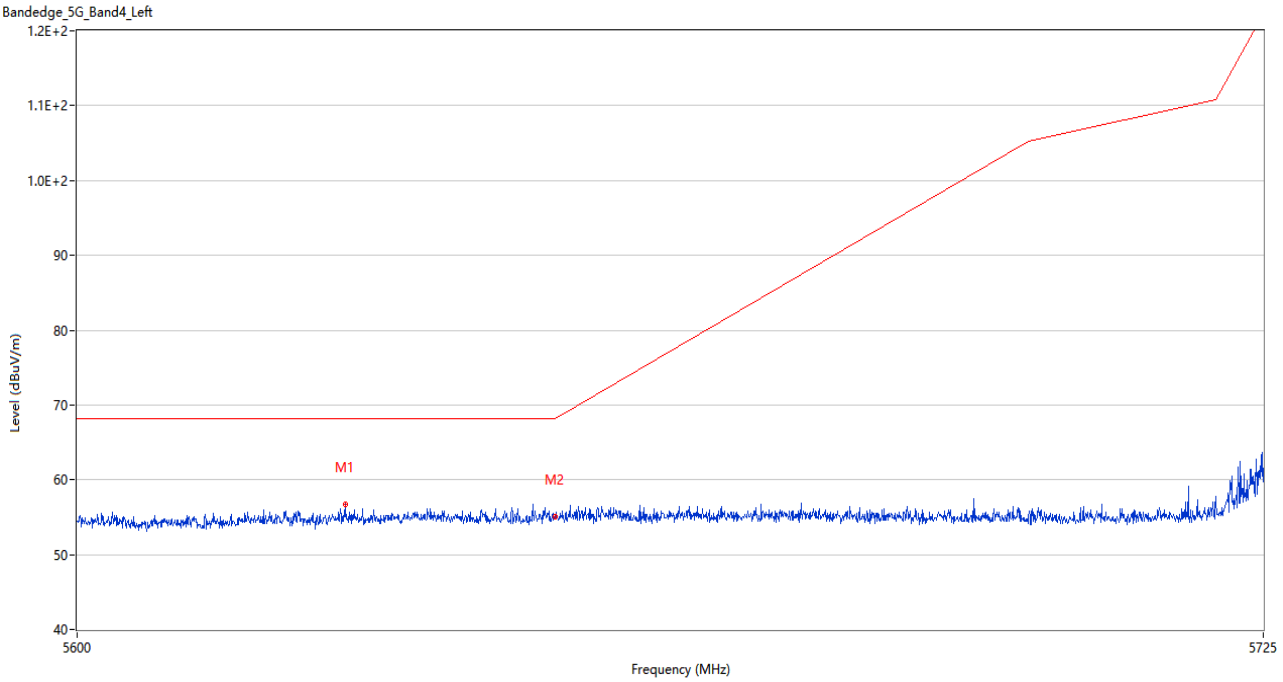
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5629.562	56.85	3.51	68.2	11.35	Peak	279.00	200	Horizontal	Pass
2	5650.000	55.12	3.72	68.2	13.08	Peak	27.00	200	Horizontal	Pass

U-NII-3 11n40 High Channel



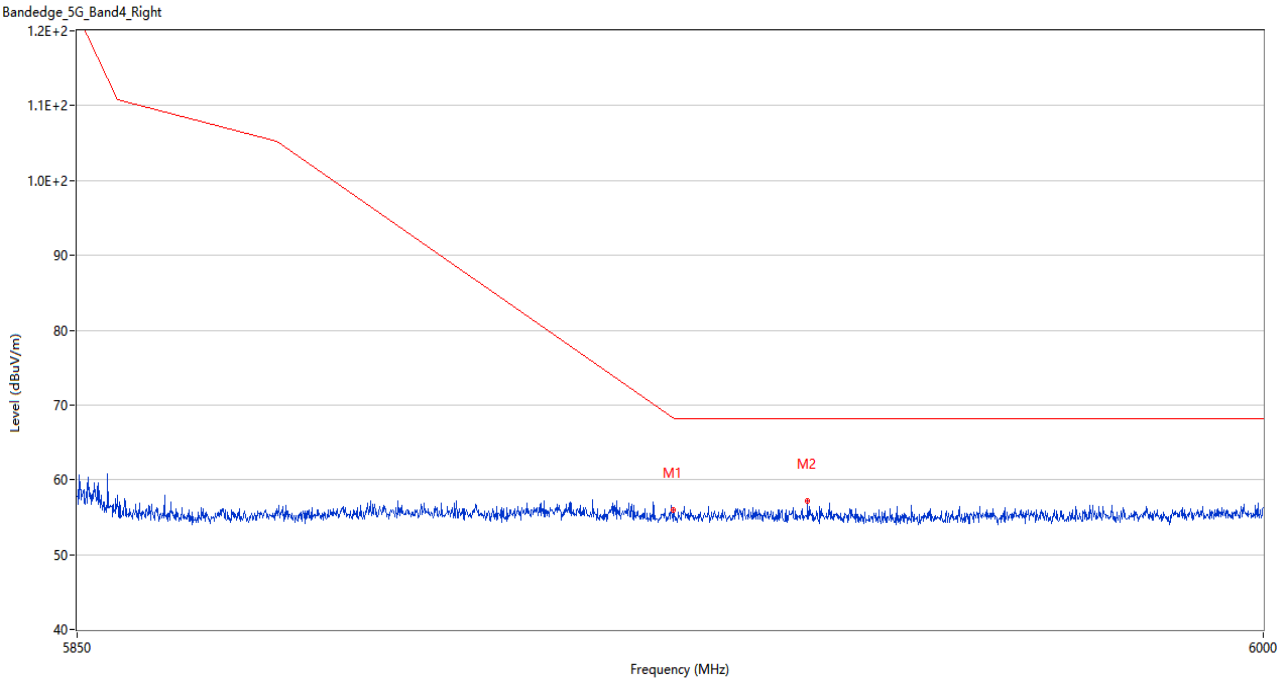
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.14	3.42	68.3	13.16	Peak	360.00	200	Horizontal	Pass
2	5969.325	57.18	4.00	68.2	11.02	Peak	192.00	100	Horizontal	Pass

U-NII-3 11ac20 Low Channel



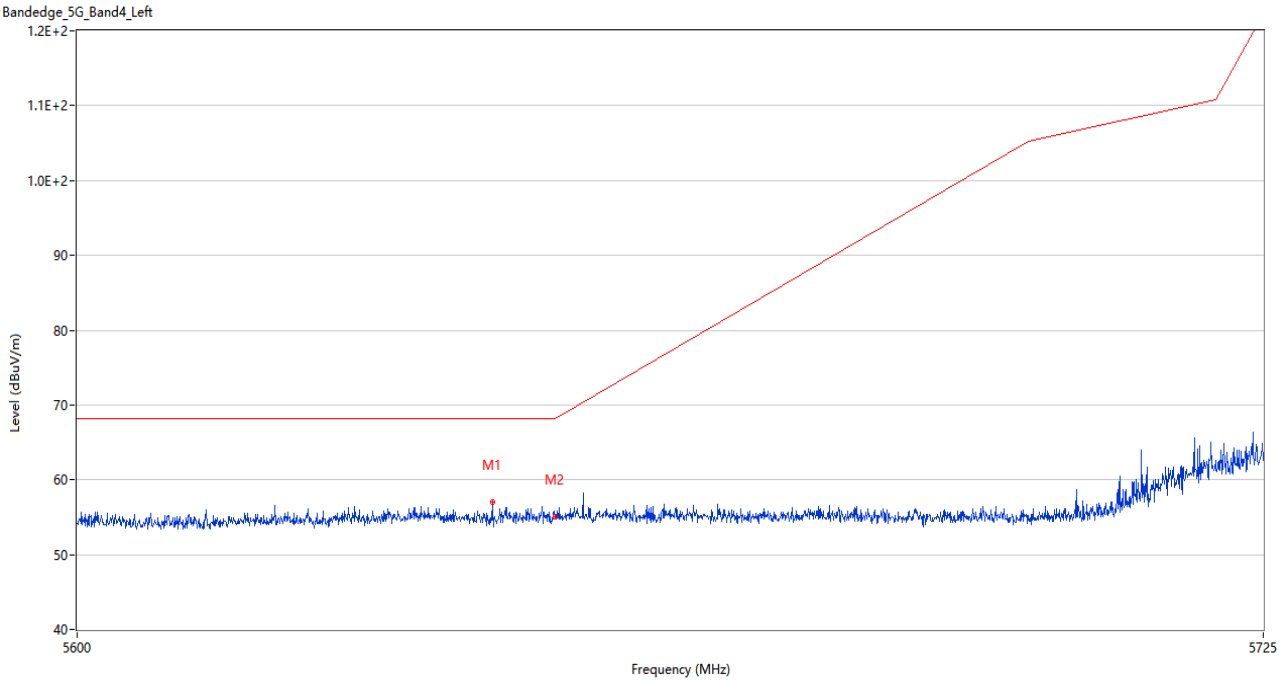
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5628.000	56.69	3.70	68.2	11.51	Peak	83.00	200	Horizontal	Pass
2	5650.000	54.99	3.72	68.2	13.21	Peak	76.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel



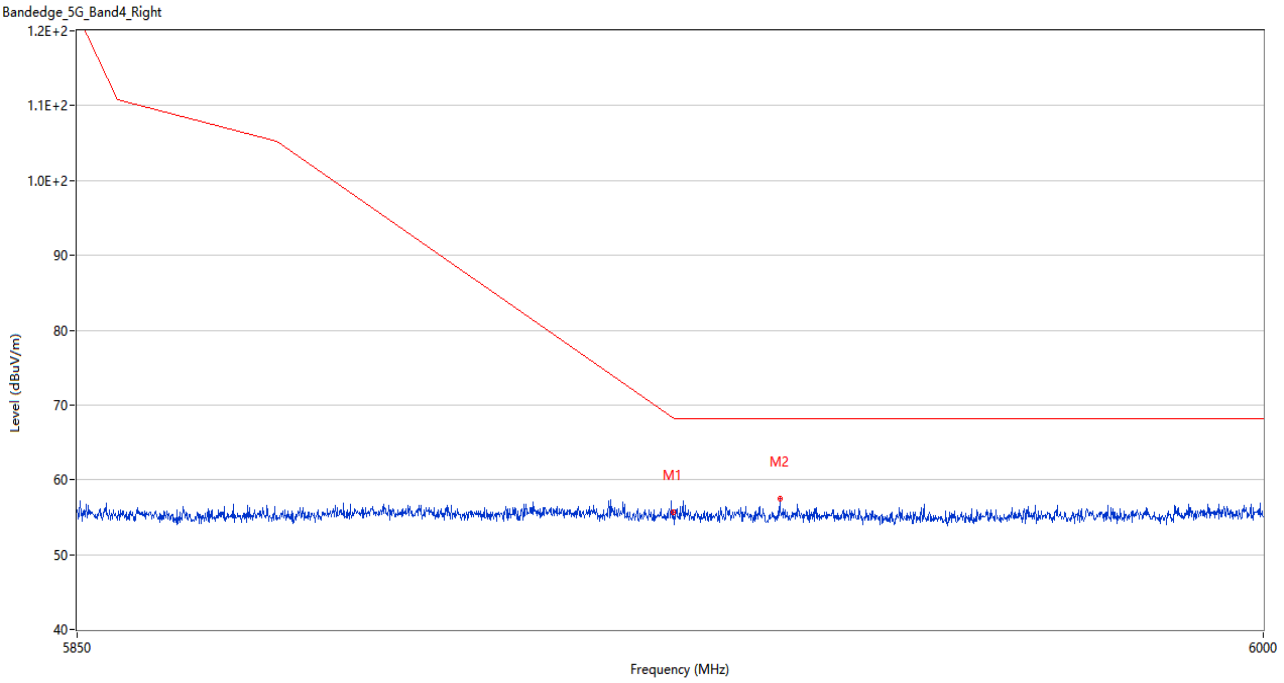
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.92	3.42	68.3	12.38	Peak	22.00	150	Horizontal	Pass
2	5941.950	57.22	3.39	68.2	10.98	Peak	19.00	150	Horizontal	Pass

U-NII-3 11ac40 Low Channel



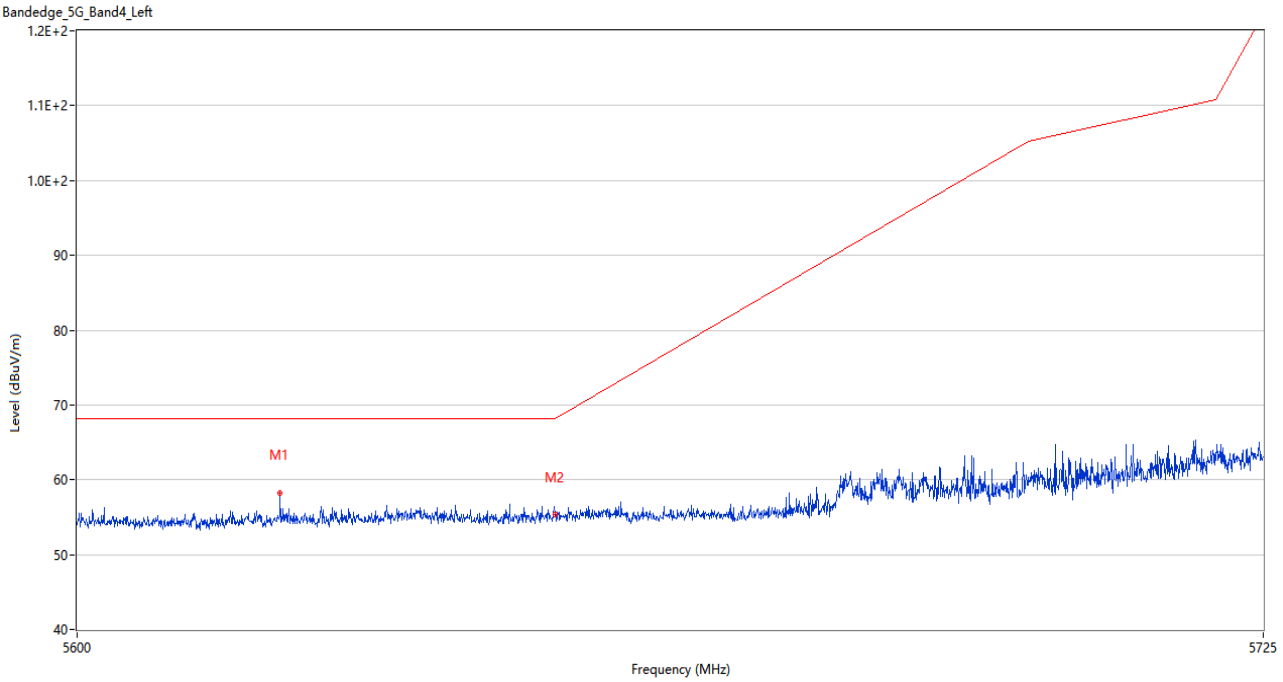
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.438	57.03	3.20	68.2	11.17	Peak	60.00	150	Horizontal	Pass
2	5650.000	55.10	3.72	68.2	13.10	Peak	155.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel



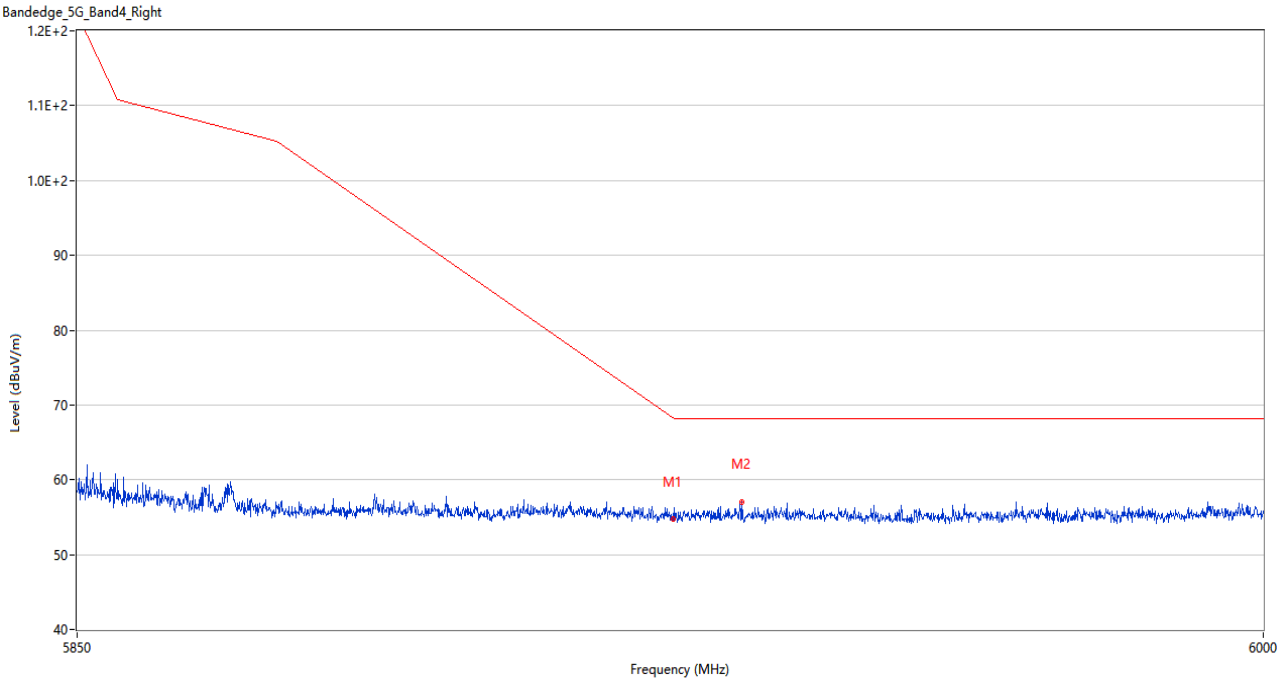
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.69	3.42	68.3	12.61	Peak	45.00	150	Horizontal	Pass
2	5938.425	57.46	3.56	68.2	10.74	Peak	108.00	200	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



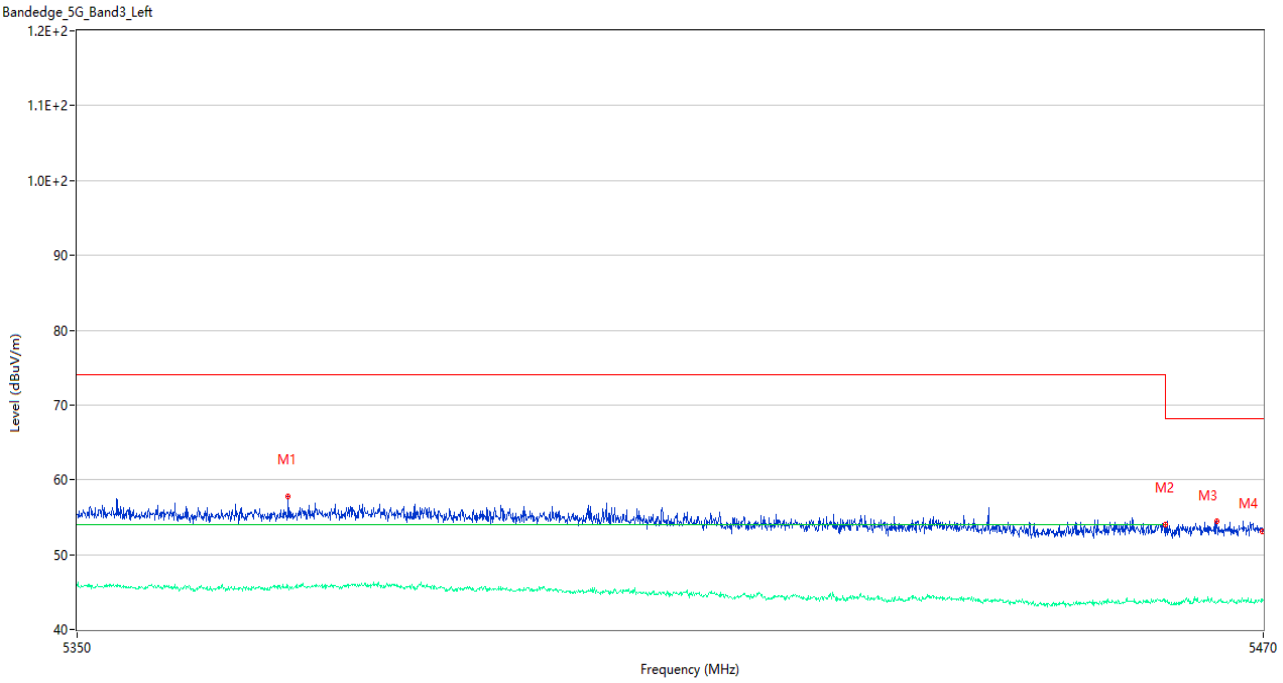
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5621.188	58.29	3.51	68.2	9.91	Peak	13.00	100	Horizontal	Pass
2	5650.000	55.32	3.72	68.2	12.88	Peak	105.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



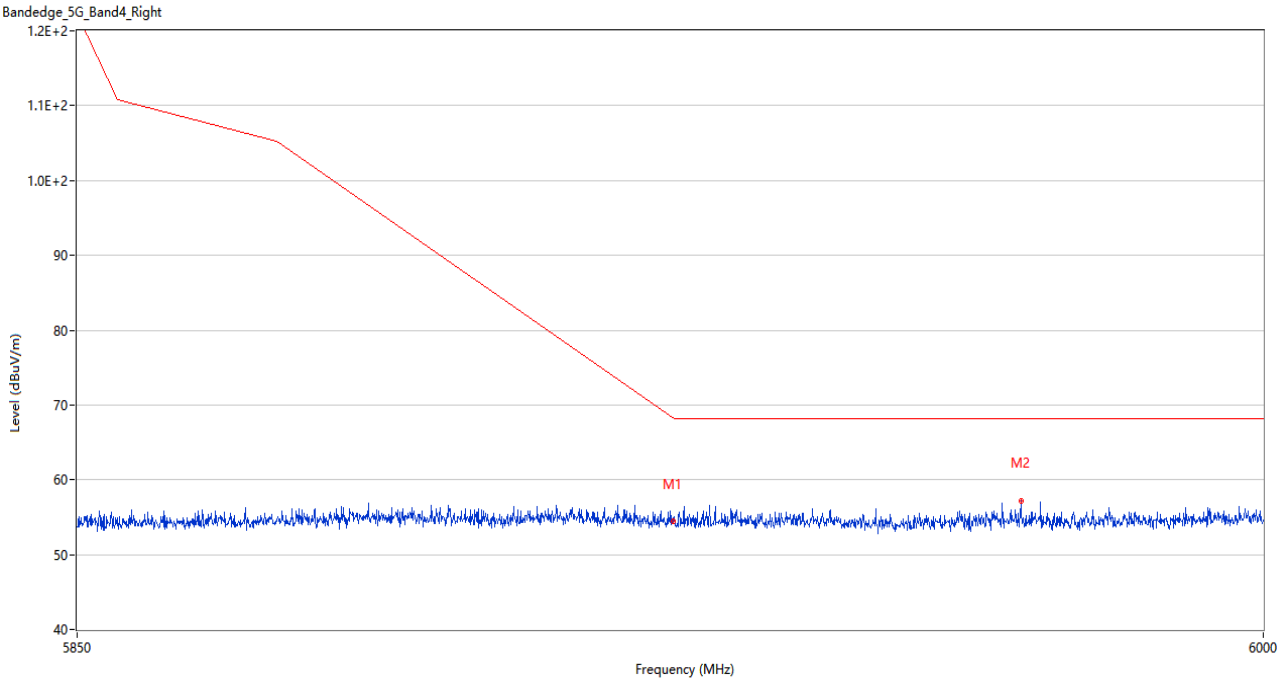
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.76	3.42	68.3	13.54	Peak	234.00	100	Horizontal	Pass
2	5933.625	57.09	3.53	68.2	11.11	Peak	44.00	100	Horizontal	Pass

U-NII-2C & U-NII-3 11a 144 Channel



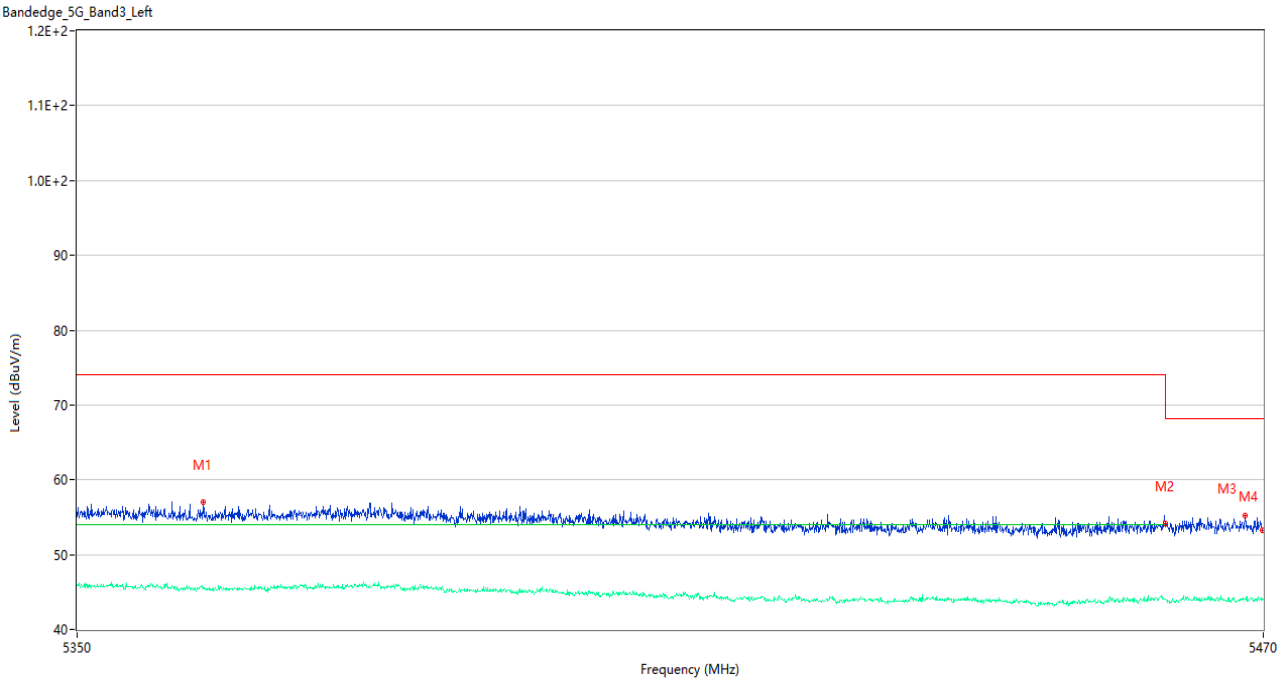
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5371.180	57.81	2.71	74.0	16.19	Peak	186.00	100	Horizontal	Pass
1**	5371.180	45.92	2.71	54.0	8.08	AV	186.00	100	Horizontal	Pass
2	5459.980	53.98	3.49	74.0	20.02	Peak	152.00	100	Horizontal	Pass
2**	5459.980	43.88	3.49	54.0	10.12	AV	152.00	100	Horizontal	Pass
3	5465.260	54.53	3.23	68.2	13.67	Peak	216.00	100	Horizontal	Pass
3**	5465.260	43.60	3.23	--	--	AV	216.00	100	Horizontal	N/A
4	5469.940	53.07	3.29	68.2	15.13	Peak	145.00	100	Horizontal	Pass
4**	5469.940	43.71	3.29	--	--	AV	145.00	100	Horizontal	N/A

U-NII-2C & U-NII-3 11a 144 Channel



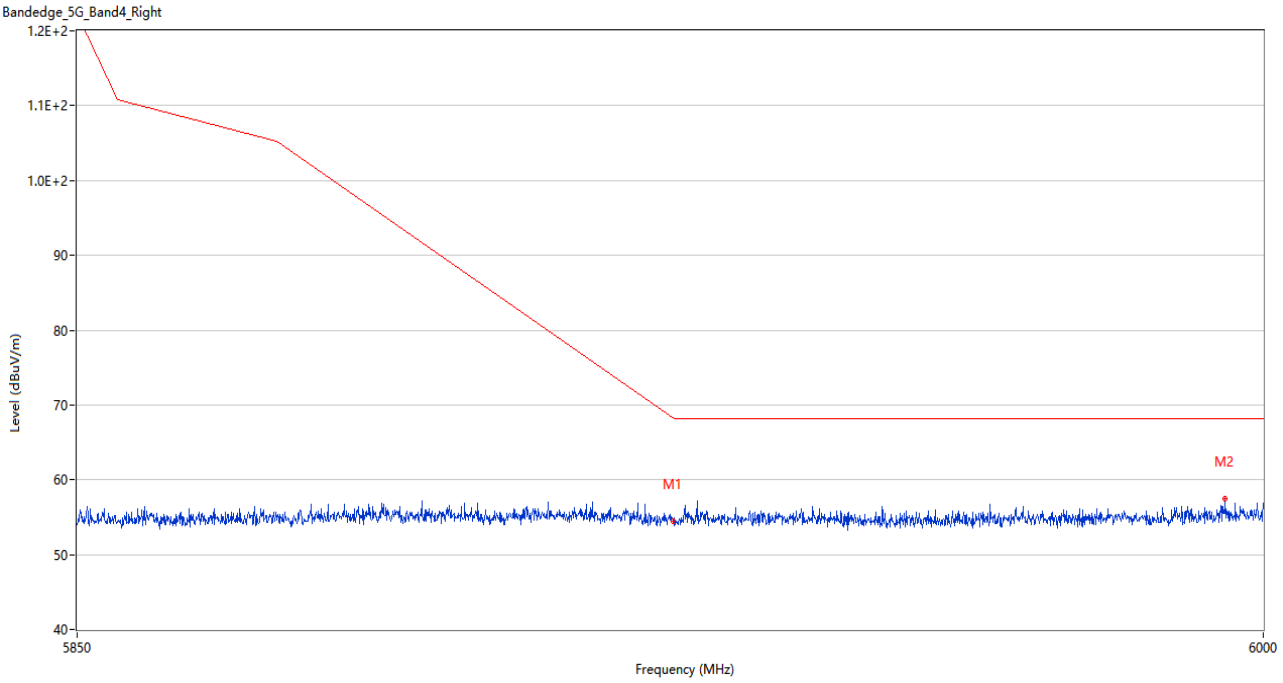
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.45	3.42	68.3	13.85	Peak	45.00	100	Horizontal	Pass
2	5969.025	57.23	4.06	68.2	10.97	Peak	10.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11n20 144 Channel



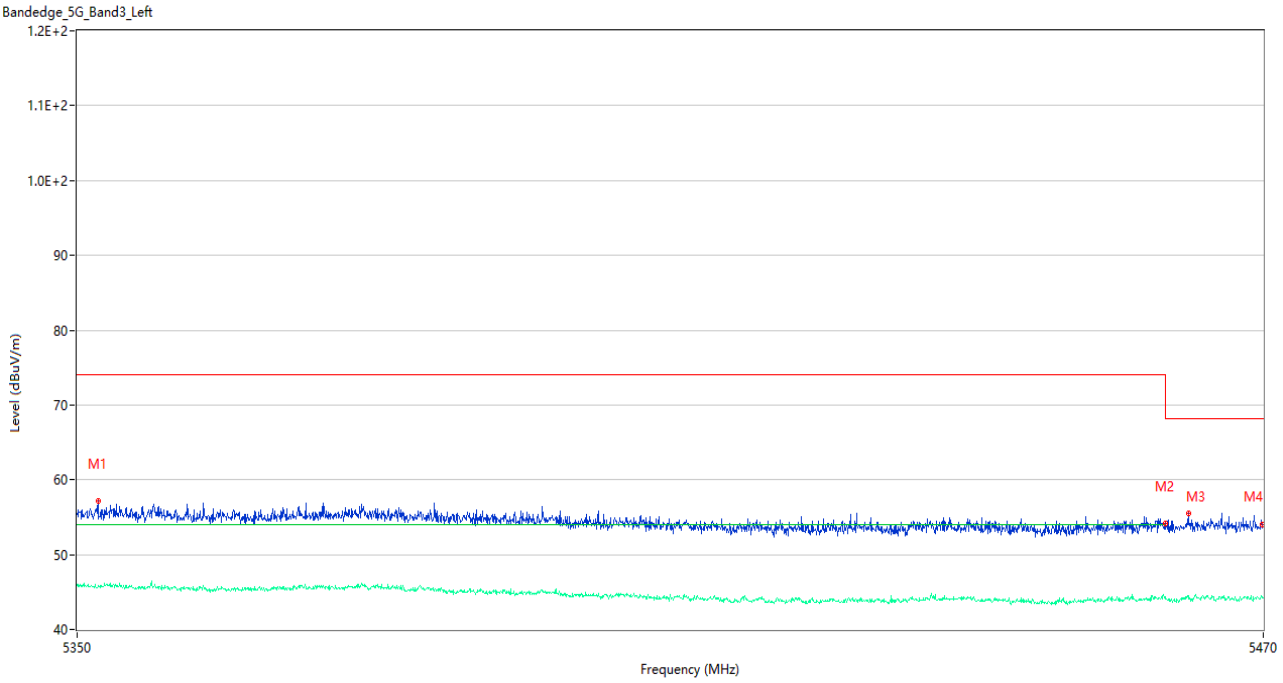
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5362.660	57.05	2.77	74.0	16.95	Peak	360.00	200	Horizontal	Pass
1**	5362.660	45.45	2.77	54.0	8.55	AV	360.00	200	Horizontal	Pass
2	5459.980	54.10	3.49	74.0	19.90	Peak	360.00	100	Horizontal	Pass
2**	5459.980	44.04	3.49	54.0	9.96	AV	360.00	100	Horizontal	Pass
3	5468.140	55.22	3.33	68.2	12.98	Peak	213.00	200	Horizontal	Pass
3**	5468.140	44.02	3.33	--	--	AV	213.00	200	Horizontal	N/A
4	5469.940	53.25	3.29	68.2	14.95	Peak	130.00	100	Horizontal	Pass
4**	5469.940	43.99	3.29	--	--	AV	130.00	100	Horizontal	N/A

U-NII-2C & U-NII-3 11n20 144 Channel



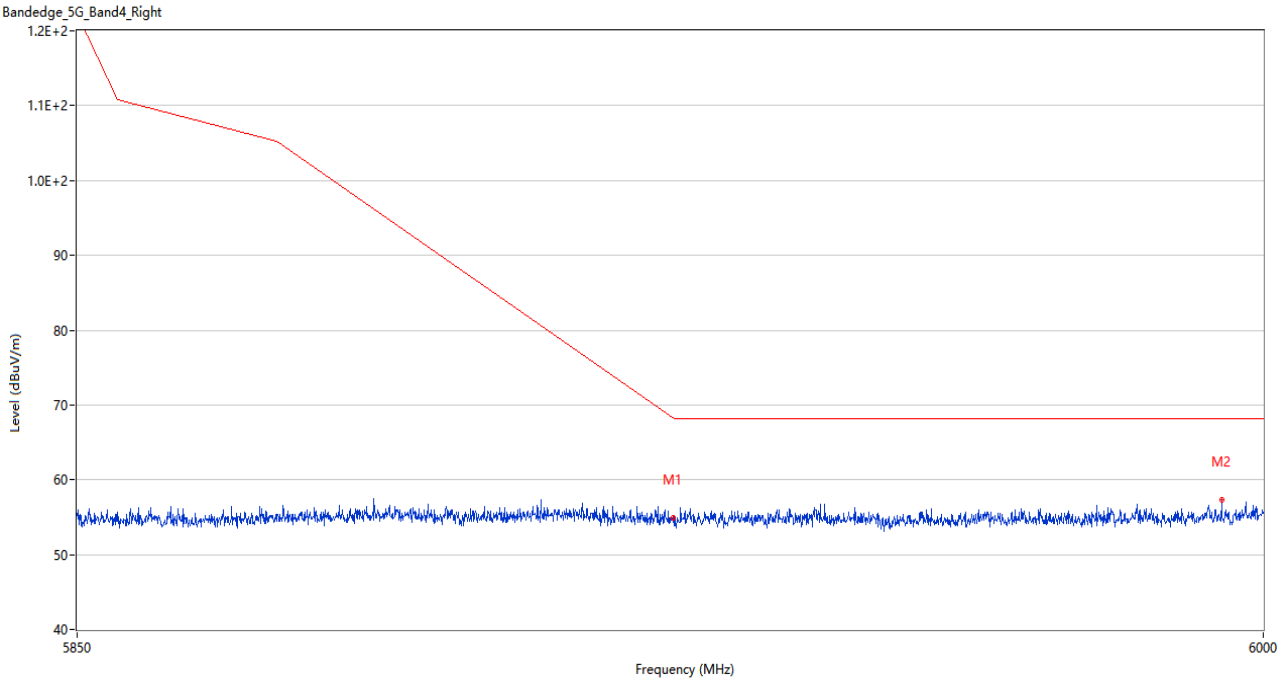
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.41	3.42	68.3	13.89	Peak	6.00	100	Horizontal	Pass
2	5995.125	57.49	4.70	68.2	10.71	Peak	60.00	100	Horizontal	Pass

U-NII-2C & U-NII-3 11n40 142 Channel



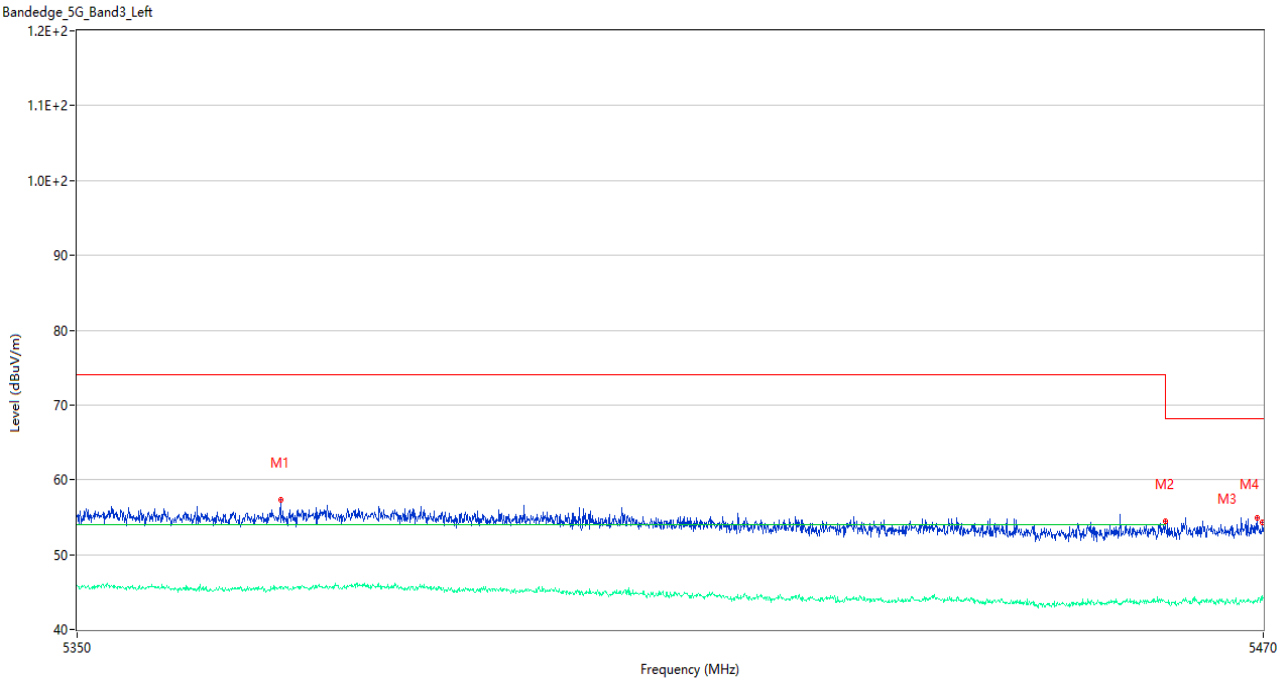
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5352.100	57.22	3.09	74.0	16.78	Peak	139.00	200	Horizontal	Pass
1**	5352.100	45.77	3.09	54.0	8.23	AV	139.00	200	Horizontal	Pass
2	5459.980	54.13	3.49	74.0	19.87	Peak	259.00	150	Horizontal	Pass
2**	5459.980	44.07	3.49	54.0	9.93	AV	259.00	150	Horizontal	Pass
3	5462.320	55.55	3.48	68.2	12.65	Peak	78.00	150	Horizontal	Pass
3**	5462.320	44.13	3.48	--	--	AV	78.00	150	Horizontal	N/A
4	5469.940	53.95	3.29	68.2	14.25	Peak	349.00	100	Horizontal	Pass
4**	5469.940	44.33	3.29	--	--	AV	349.00	100	Horizontal	N/A

U-NII-2C & U-NII-3 11n40 142 Channel



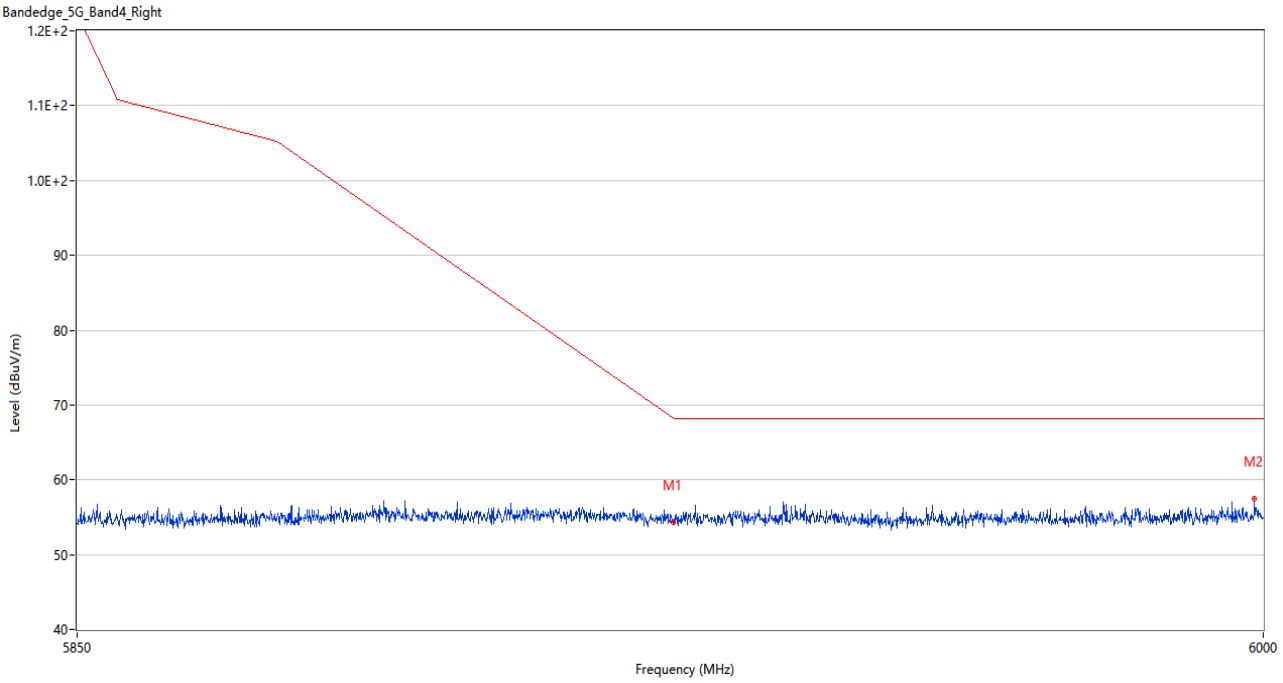
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.97	3.42	68.3	13.33	Peak	40.00	200	Horizontal	Pass
2	5994.675	57.39	4.71	68.2	10.81	Peak	54.00	200	Horizontal	Pass

U-NII-2C & U-NII-3 11ac20 144 Channel



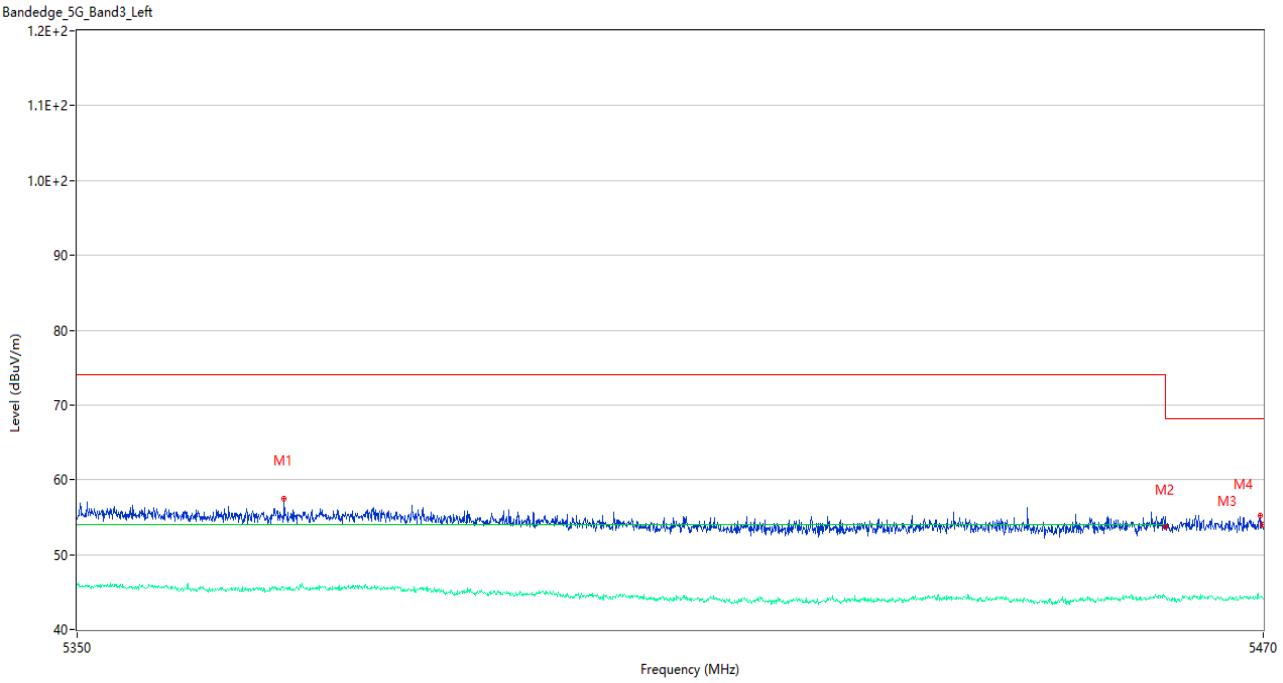
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5370.400	57.25	2.78	74.0	16.75	Peak	266.00	200	Horizontal	Pass
1**	5370.400	45.48	2.78	54.0	8.52	AV	266.00	200	Horizontal	Pass
2	5459.980	54.51	3.49	74.0	19.49	Peak	360.00	150	Horizontal	Pass
2**	5459.980	43.65	3.49	54.0	10.35	AV	360.00	150	Horizontal	Pass
3	5469.340	54.99	3.26	68.2	13.21	Peak	358.00	100	Horizontal	Pass
3**	5469.340	43.65	3.26	--	--	AV	358.00	100	Horizontal	N/A
4	5469.940	54.27	3.29	68.2	13.93	Peak	195.00	200	Horizontal	Pass
4**	5469.940	43.91	3.29	--	--	AV	195.00	200	Horizontal	N/A

U-NII-2C & U-NII-3 11ac20 144 Channel



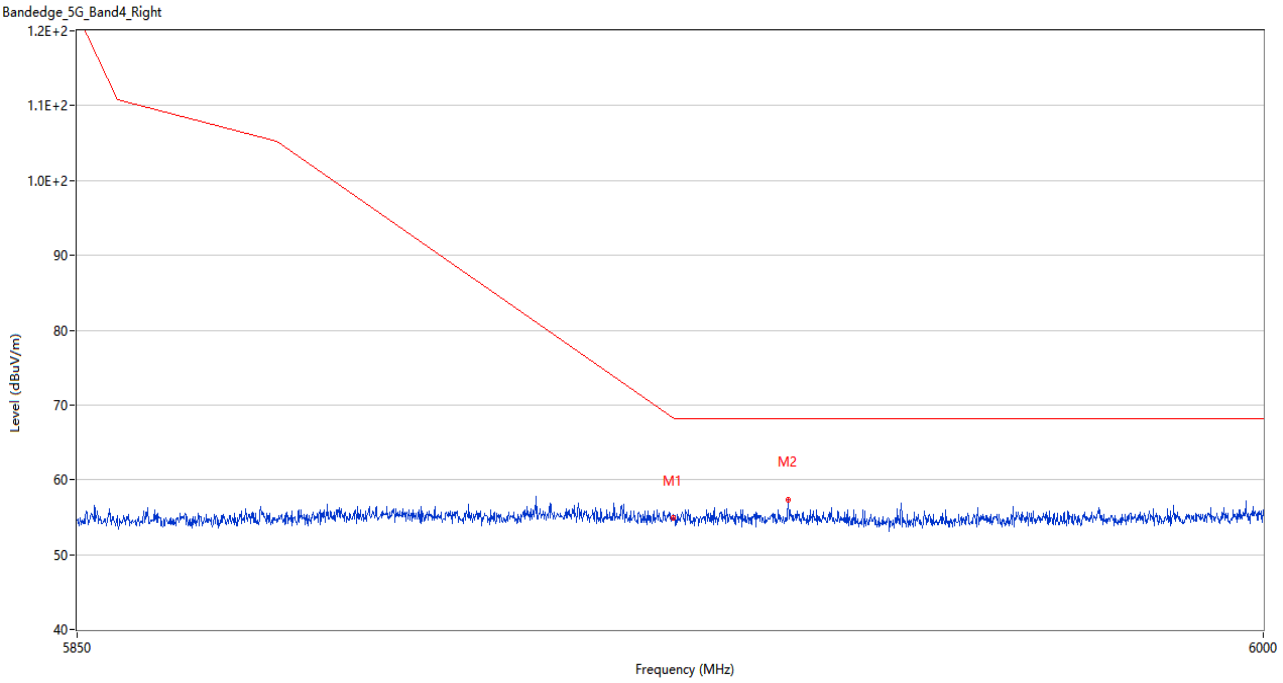
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.30	3.42	68.3	14.00	Peak	120.00	150	Horizontal	Pass
2	5998.875	57.50	5.00	68.2	10.70	Peak	310.00	200	Horizontal	Pass

U-NII-2C & U-NII-3 11ac40 142 Channel



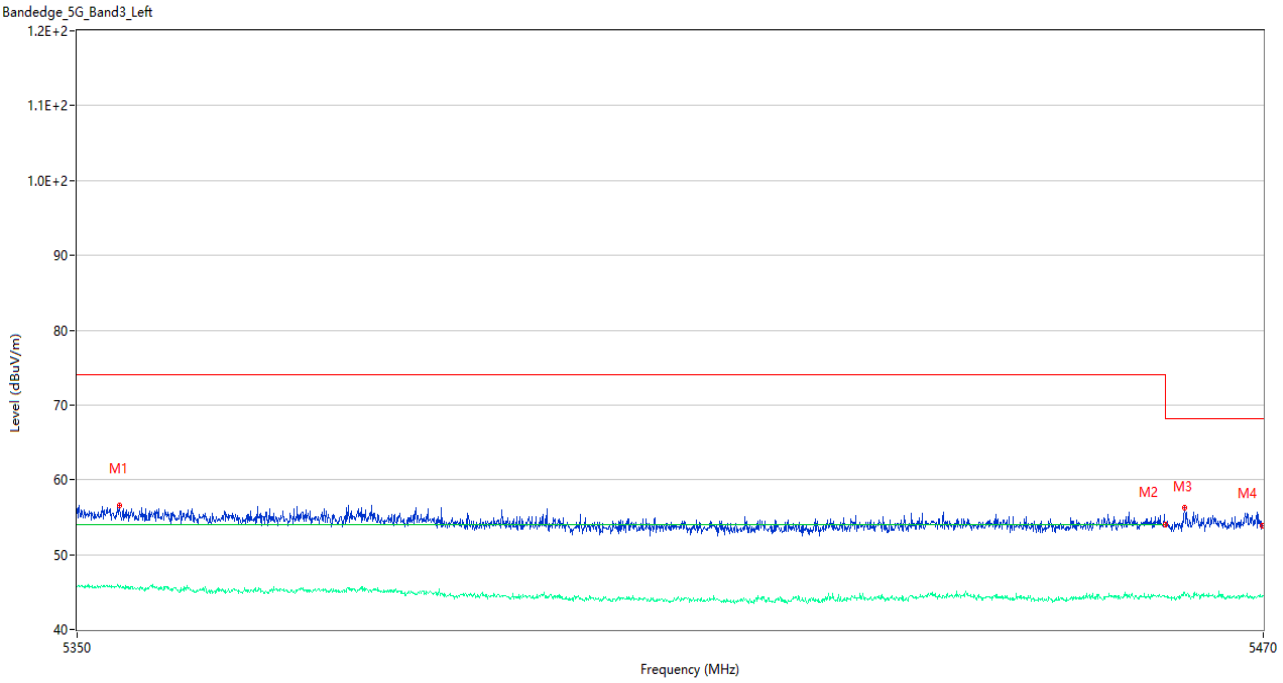
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5370.760	57.53	2.78	74.0	16.47	Peak	169.00	150	Horizontal	Pass
1**	5370.760	45.26	2.78	54.0	8.74	AV	169.00	150	Horizontal	Pass
2	5459.980	53.69	3.49	74.0	20.31	Peak	176.00	200	Horizontal	Pass
2**	5459.980	44.39	3.49	54.0	9.61	AV	176.00	200	Horizontal	Pass
3	5469.640	55.25	3.29	68.2	12.95	Peak	335.00	100	Horizontal	Pass
3**	5469.640	44.30	3.29	--	--	AV	335.00	100	Horizontal	N/A
4	5469.940	54.07	3.29	68.2	14.13	Peak	161.00	150	Horizontal	Pass
4**	5469.940	44.22	3.29	--	--	AV	161.00	150	Horizontal	N/A

U-NII-2C & U-NII-3 11ac40 142 Channel



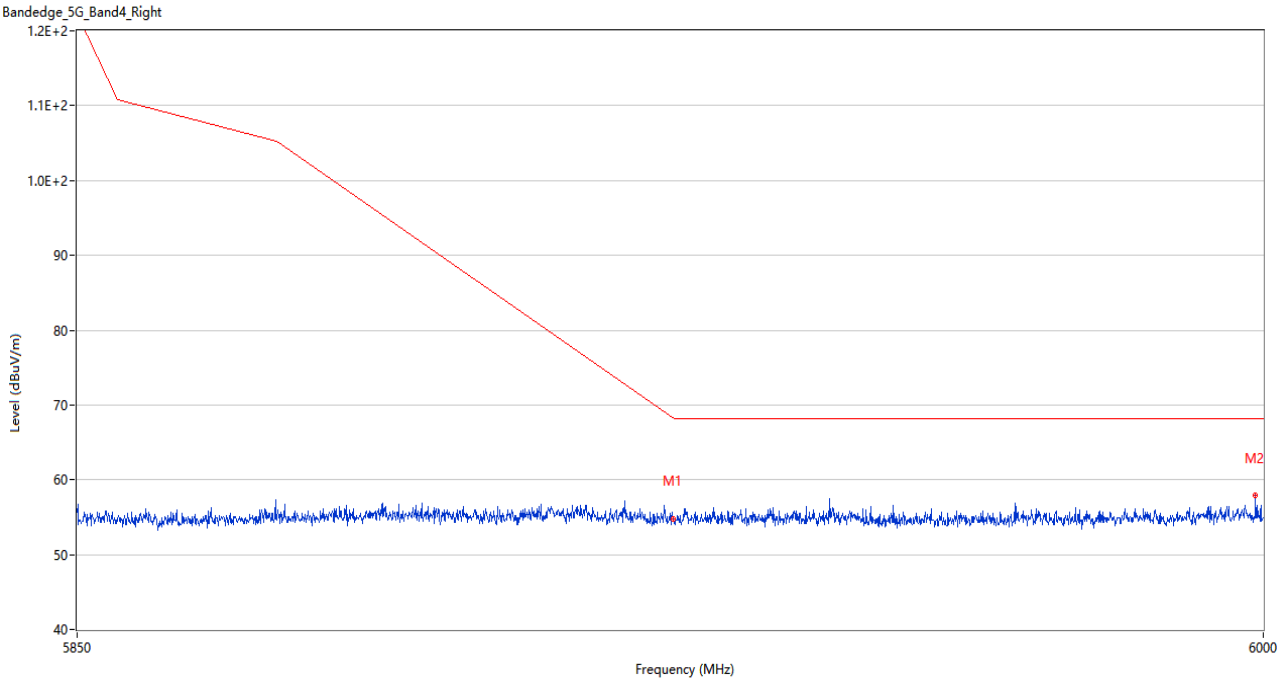
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.91	3.42	68.3	13.39	Peak	30.00	200	Horizontal	Pass
2	5939.475	57.38	3.48	68.2	10.82	Peak	3.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11ac80 138 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5354.200	56.61	3.12	74.0	17.39	Peak	177.00	150	Horizontal	Pass
1**	5354.200	45.63	3.12	54.0	8.37	AV	177.00	150	Horizontal	Pass
2	5459.980	54.06	3.49	74.0	19.94	Peak	113.00	200	Horizontal	Pass
2**	5459.980	44.33	3.49	54.0	9.67	AV	113.00	200	Horizontal	Pass
3	5461.960	56.34	3.56	68.2	11.86	Peak	57.00	200	Horizontal	Pass
3**	5461.960	44.93	3.56	--	--	AV	57.00	200	Horizontal	N/A
4	5469.940	53.82	3.29	68.2	14.38	Peak	125.00	150	Horizontal	Pass
4**	5469.940	44.48	3.29	--	--	AV	125.00	150	Horizontal	N/A

U-NII-2C & U-NII-3 11ac80 138 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.83	3.42	68.3	13.47	Peak	30.00	200	Horizontal	Pass
2	5999.025	57.95	5.04	68.2	10.25	Peak	20.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2450047-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2450047-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2450047-AI.PDF”.

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--END OF REPORT--