TEST REPORT

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Type:	Mobile phone
Model Name:	X6882
Brand Name:	Infinix
FCC ID:	2AIZN-X6882
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Jun. 25, 2024
Test Date:	Jul. 05, 2024 - Jul. 31, 2024
Date of Issue:	Aug. 13, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
Rev. 01	Aug. 13, 2024	Initial Issue

TABLE OF CONTENTS

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	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile phone
Model Name Under Test	X6882
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_2C, CA_5B, CA_7C, CA_38C, CA_41C Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GPS, GLONASS, BDS, Galileo, SBAS, FM Receiver, NFC

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: 22.13 mW U-NII-2A: 21.88 mW U-NII-2C: 21.98 mW U-NII-3: 21.38 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -1.4 dBi U-NII-2A: 5250 MHz to 5350 MHz: -1.4 dBi U-NII-2C: 5470 MHz to 5725 MHz: -1.4 dBi U-NII-3: 5725 MHz to 5850 MHz: -1.4 dBi
About the Product	The equipment is Mobile phone, intended for used with information technology equipment.

2.5 Channel List

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

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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

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

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

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

No.	Description	FCC Part No.	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	53% to 63%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.0℃ to +25.0℃
Working Voltage of the EUT	NV (Normal Voltage)	3.87 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2024.05.22	2025.05.21
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	2460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	ZT30-1000M	07210897	2023.09.05	2024.09.04
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.26	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.08	2025.05.07
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

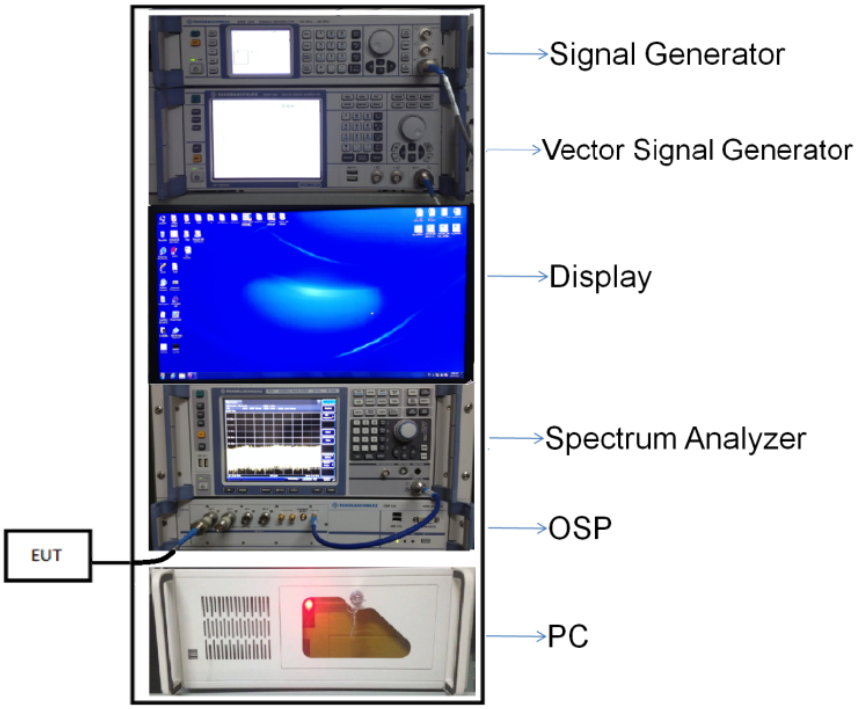
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

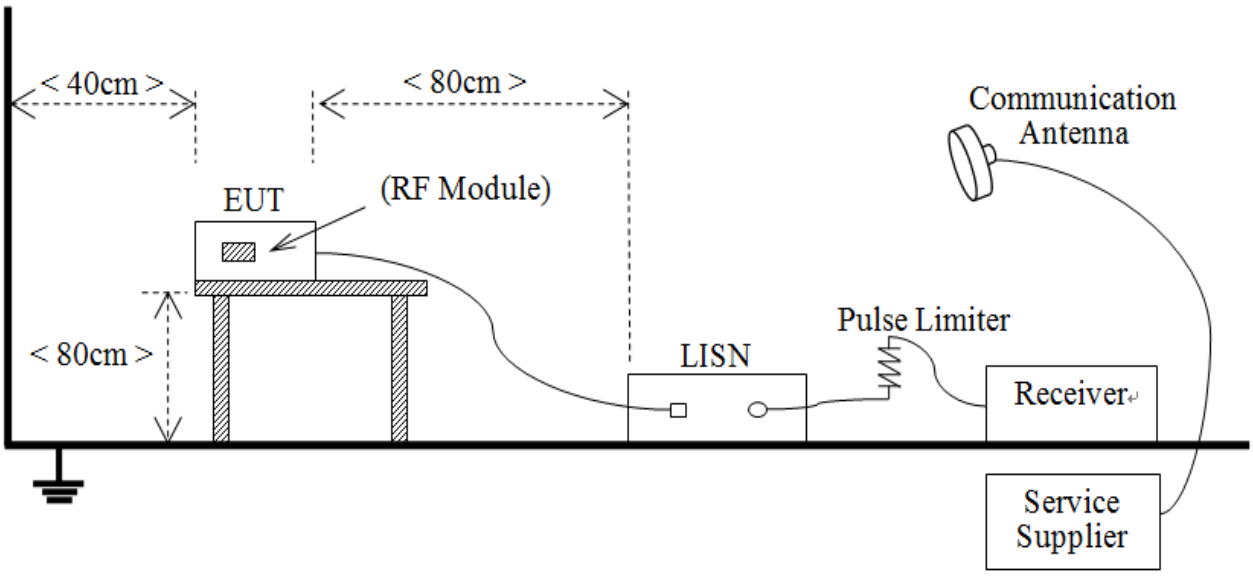
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



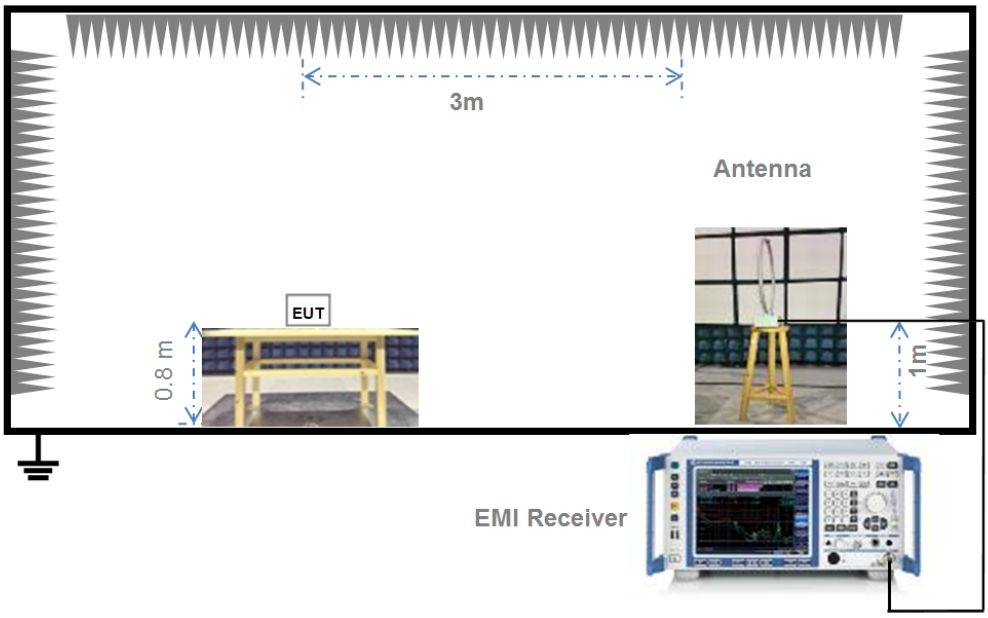
(Diagram 1)

4.5.2For AC Power Supply Port Test



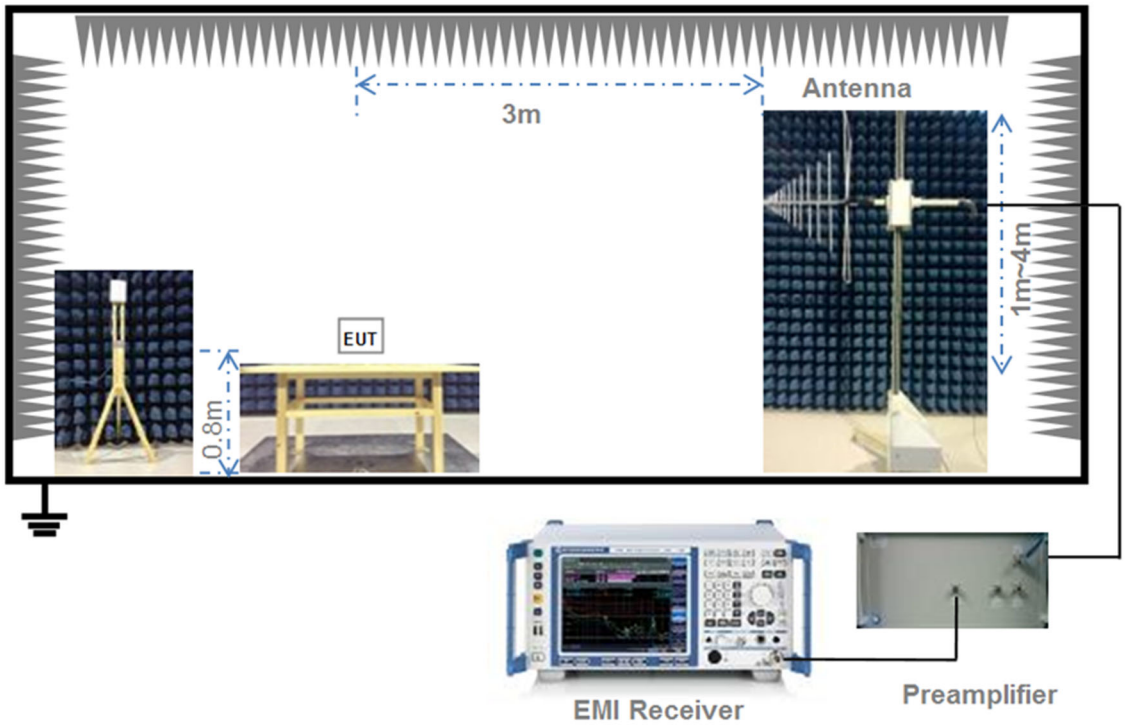
(Diagram 2)

4.5.3For Radiated Test (Below 30 MHz)



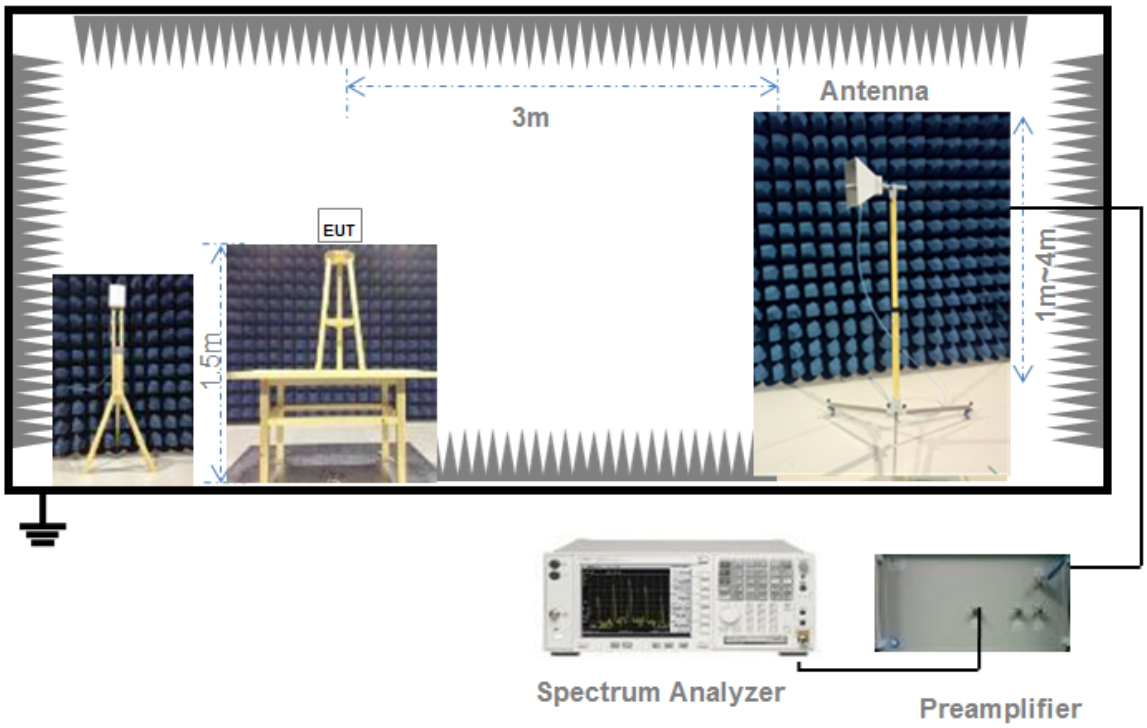
(Diagram 3)

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)

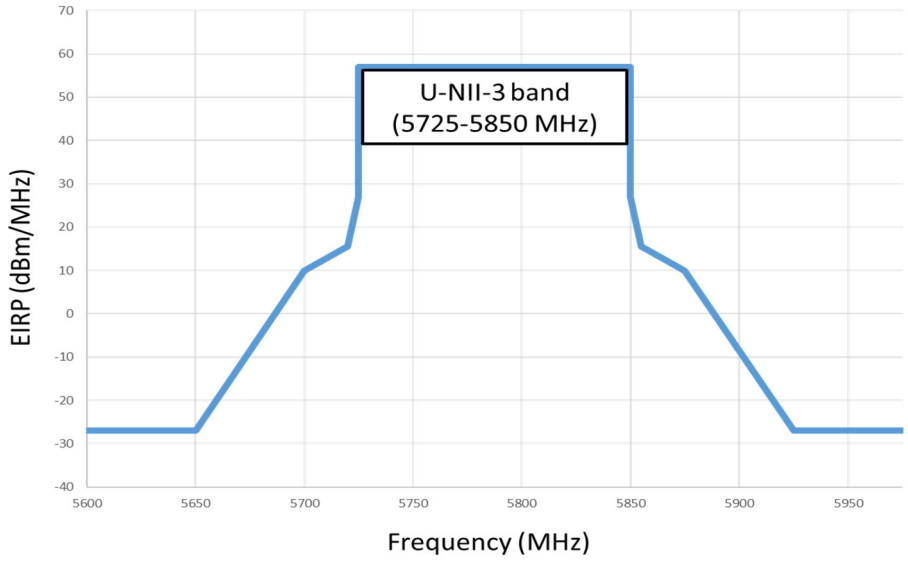
5.5.1 Limit

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
11a	1.38	1.43	96.92%
11n (HT20)	1.29	1.34	96.71%
11ac (VHT20)	1.29	1.34	96.71%
11n (HT40)	0.64	0.68	93.95%
1ac (VHT40)	0.64	0.68	93.95%
11ac (VHT80)	0.32	0.36	89.69%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.32	21.48	250	Pass
11a	CH44	13.16	20.70	250	Pass
11a	CH48	13.16	20.70	250	Pass
11n (HT20)	CH36	13.10	20.42	250	Pass
11n (HT20)	CH44	13.45	22.13	250	Pass
11n (HT20)	CH48	12.85	19.28	250	Pass
11n (HT40)	CH38	12.07	16.11	250	Pass
11n (HT40)	CH46	12.81	19.10	250	Pass
11ac (VHT20)	CH36	12.15	16.41	250	Pass
11ac (VHT20)	CH44	12.23	16.71	250	Pass
11ac (VHT20)	CH48	12.54	17.95	250	Pass
11ac (VHT40)	CH38	12.59	18.16	250	Pass
11ac (VHT40)	CH46	11.98	15.78	250	Pass
11ac (VHT80)	CH42	12.41	17.42	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	13.40	21.88	250	Pass
11a	CH60	12.52	17.86	250	Pass
11a	CH64	11.76	15.00	250	Pass
11n (HT20)	CH52	13.21	20.94	250	Pass
11n (HT20)	CH60	12.07	16.11	250	Pass
11n (HT20)	CH64	12.35	17.18	250	Pass
11n (HT40)	CH54	12.69	18.58	250	Pass
11n (HT40)	CH62	12.08	16.14	250	Pass
11ac (VHT20)	CH52	13.32	21.48	250	Pass
11ac (VHT20)	CH60	12.61	18.24	250	Pass
11ac (VHT20)	CH64	11.66	14.66	250	Pass
11ac (VHT40)	CH54	12.29	16.94	250	Pass
11ac (VHT40)	CH62	11.79	15.10	250	Pass
11ac (VHT80)	CH58	11.83	15.24	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	12.77	18.92	250	Pass
11a	CH116	12.84	19.23	250	Pass
11a	CH140	12.19	16.56	250	Pass
11n (HT20)	CH100	13.19	20.84	250	Pass
11n (HT20)	CH116	12.10	16.22	250	Pass
11n (HT20)	CH140	12.95	19.72	250	Pass
11n (HT40)	CH102	12.96	19.77	250	Pass
11n (HT40)	CH118	12.61	18.24	250	Pass
11n (HT40)	CH134	12.64	18.37	250	Pass
11ac (VHT20)	CH100	13.42	21.98	250	Pass
11ac (VHT20)	CH116	12.51	17.82	250	Pass
11ac (VHT20)	CH140	12.25	16.79	250	Pass
11ac (VHT40)	CH102	12.54	17.95	250	Pass
11ac (VHT40)	CH118	12.14	16.37	250	Pass
11ac (VHT40)	CH134	12.08	16.14	250	Pass
11ac (VHT80)	CH106	12.03	15.96	250	Pass
11ac (VHT80)	CH122	11.88	15.42	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	12.82	19.14	1000	Pass
11a	CH157	12.82	19.14	1000	Pass
11a	CH165	12.53	17.91	1000	Pass
11n (HT20)	CH149	12.70	18.62	1000	Pass
11n (HT20)	CH157	13.10	20.42	1000	Pass
11n (HT20)	CH165	12.79	19.01	1000	Pass
11n (HT40)	CH151	12.54	17.95	1000	Pass
11n (HT40)	CH159	12.79	19.01	1000	Pass
11ac (VHT20)	CH149	13.30	21.38	1000	Pass
11ac (VHT20)	CH157	12.44	17.54	1000	Pass
11ac (VHT20)	CH165	12.63	18.32	1000	Pass
11ac (VHT40)	CH151	12.47	17.66	1000	Pass
11ac (VHT40)	CH159	12.66	18.45	1000	Pass
11ac (VHT80)	CH155	12.45	17.58	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2461005-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.75	16.55
11a	CH44	22.43	16.59
11a	CH48	22.86	16.60
11n (HT20)	CH36	20.35	17.65
11n (HT20)	CH44	24.12	17.69
11n (HT20)	CH48	24.46	17.70
11n (HT40)	CH38	52.18	36.19
11n (HT40)	CH46	46.05	36.21
11ac (VHT20)	CH36	23.53	17.66
11ac (VHT20)	CH44	24.70	17.68
11ac (VHT20)	CH48	24.41	17.71
11ac (VHT40)	CH38	48.12	36.17
11ac (VHT40)	CH46	48.28	36.02
11ac (VHT80)	CH42	122.10	75.66

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	23.76	16.55
11a	CH60	22.80	16.57
11a	CH64	23.21	16.56
11n (HT20)	CH52	23.18	17.68
11n (HT20)	CH60	25.14	17.70
11n (HT20)	CH64	23.52	17.69
11n (HT40)	CH54	47.83	36.21
11n (HT40)	CH62	46.82	36.20
11ac (VHT20)	CH52	23.27	17.66
11ac (VHT20)	CH60	25.88	17.68
11ac (VHT20)	CH64	24.05	17.70
11ac (VHT40)	CH54	45.21	36.10
11ac (VHT40)	CH62	50.86	36.13
11ac (VHT80)	CH58	120.90	75.62

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.03	16.53
11a	CH116	24.90	16.63
11a	CH140	19.99	16.50
11n (HT20)	CH100	26.02	17.76
11n (HT20)	CH116	23.20	17.70
11n (HT20)	CH140	25.37	17.68
11n (HT40)	CH102	53.42	36.26
11n (HT40)	CH118	55.72	36.21
11n (HT40)	CH134	53.51	36.22
11ac (VHT20)	CH100	26.11	17.75
11ac (VHT20)	CH116	23.97	17.66
11ac (VHT20)	CH140	26.94	17.69
11ac (VHT40)	CH102	64.02	36.19
11ac (VHT40)	CH118	47.02	36.21
11ac (VHT40)	CH134	54.05	36.16
11ac (VHT80)	CH106	151.60	75.84
11ac (VHT80)	CH122	129.90	75.69

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	23.57	16.66
11a	CH157	25.34	16.69
11a	CH165	23.86	16.67
11n (HT20)	CH149	24.03	17.74
11n (HT20)	CH157	25.36	17.76
11n (HT20)	CH165	27.26	17.78
11n (HT40)	CH151	56.47	36.25
11n (HT40)	CH159	48.53	36.24
11ac (VHT20)	CH149	29.04	17.78
11ac (VHT20)	CH157	27.01	17.76
11ac (VHT20)	CH165	27.86	17.74
11ac (VHT40)	CH151	50.75	36.19
11ac (VHT40)	CH159	53.68	36.19
11ac (VHT80)	CH155	117.90	75.62

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2461005-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	15.40	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n (HT20)	CH149	15.30	500.00	Pass
11n (HT20)	CH157	15.30	500.00	Pass
11n (HT20)	CH165	15.20	500.00	Pass
11n (HT40)	CH151	35.40	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	15.70	500.00	Pass
11ac (VHT40)	CH151	35.40	500.00	Pass
11ac (VHT40)	CH159	35.30	500.00	Pass
11ac (VHT80)	CH155	75.20	500.00	Pass

A.4 Power Spectral Density

Note : Test plots please refer to the document “Annex No.: BL-SZ2461005-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-0.16	11.00	Pass
11a	CH44	-0.15	11.00	Pass
11a	CH48	-0.20	11.00	Pass
11n (HT20)	CH36	-0.52	11.00	Pass
11n (HT20)	CH44	-0.01	11.00	Pass
11n (HT20)	CH48	-0.23	11.00	Pass
11n (HT40)	CH38	-4.57	11.00	Pass
11n (HT40)	CH46	-3.81	11.00	Pass
11ac (VHT20)	CH36	-1.33	11.00	Pass
11ac (VHT20)	CH44	-1.38	11.00	Pass
11ac (VHT20)	CH48	-0.92	11.00	Pass
11ac (VHT40)	CH38	-3.91	11.00	Pass
11ac (VHT40)	CH46	-4.61	11.00	Pass
11ac (VHT80)	CH42	-7.09	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.07	11.00	Pass
11a	CH60	-0.63	11.00	Pass
11a	CH64	-1.61	11.00	Pass
11n (HT20)	CH52	-0.33	11.00	Pass
11n (HT20)	CH60	-1.44	11.00	Pass
11n (HT20)	CH64	-1.14	11.00	Pass
11n (HT40)	CH54	-3.75	11.00	Pass
11n (HT40)	CH62	-4.44	11.00	Pass
11ac (VHT20)	CH52	-0.09	11.00	Pass
11ac (VHT20)	CH60	-0.89	11.00	Pass
11ac (VHT20)	CH64	-1.76	11.00	Pass
11ac (VHT40)	CH54	-4.07	11.00	Pass
11ac (VHT40)	CH62	-4.69	11.00	Pass
11ac (VHT80)	CH58	-7.84	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-0.56	11.00	Pass
11a	CH116	-0.55	11.00	Pass
11a	CH140	-1.14	11.00	Pass
11n (HT20)	CH100	-0.44	11.00	Pass
11n (HT20)	CH116	-1.46	11.00	Pass
11n (HT20)	CH140	-0.56	11.00	Pass
11n (HT40)	CH102	-3.67	11.00	Pass
11n (HT40)	CH118	-3.99	11.00	Pass
11n (HT40)	CH134	-3.87	11.00	Pass
11ac (VHT20)	CH100	-0.09	11.00	Pass
11ac (VHT20)	CH116	-1.09	11.00	Pass
11ac (VHT20)	CH140	-1.35	11.00	Pass
11ac (VHT40)	CH102	-3.89	11.00	Pass
11ac (VHT40)	CH118	-4.42	11.00	Pass
11ac (VHT40)	CH134	-4.53	11.00	Pass
11ac (VHT80)	CH106	-7.55	11.00	Pass
11ac (VHT80)	CH122	-7.58	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-0.63	30.00	Pass
11a	CH157	-0.49	30.00	Pass
11a	CH165	-1.56	30.00	Pass
11n (HT20)	CH149	-0.80	30.00	Pass
11n (HT20)	CH157	-0.56	30.00	Pass
11n (HT20)	CH165	-0.61	30.00	Pass
11n (HT40)	CH151	-3.95	30.00	Pass
11n (HT40)	CH159	-3.52	30.00	Pass
11ac (VHT20)	CH149	-0.30	30.00	Pass
11ac (VHT20)	CH157	-1.20	30.00	Pass
11ac (VHT20)	CH165	-1.00	30.00	Pass
11ac (VHT40)	CH151	-4.06	30.00	Pass
11ac (VHT40)	CH159	-3.72	30.00	Pass
11ac (VHT80)	CH155	-7.43	30.00	Pass

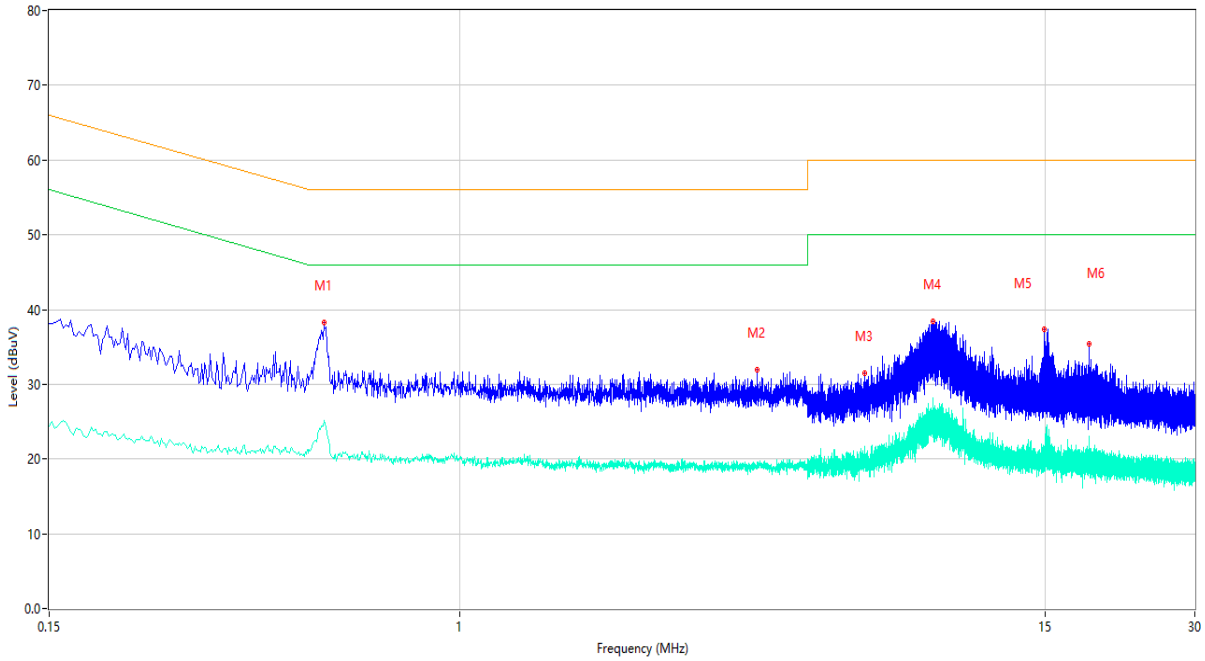
A.5 Conducted Emissions

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.

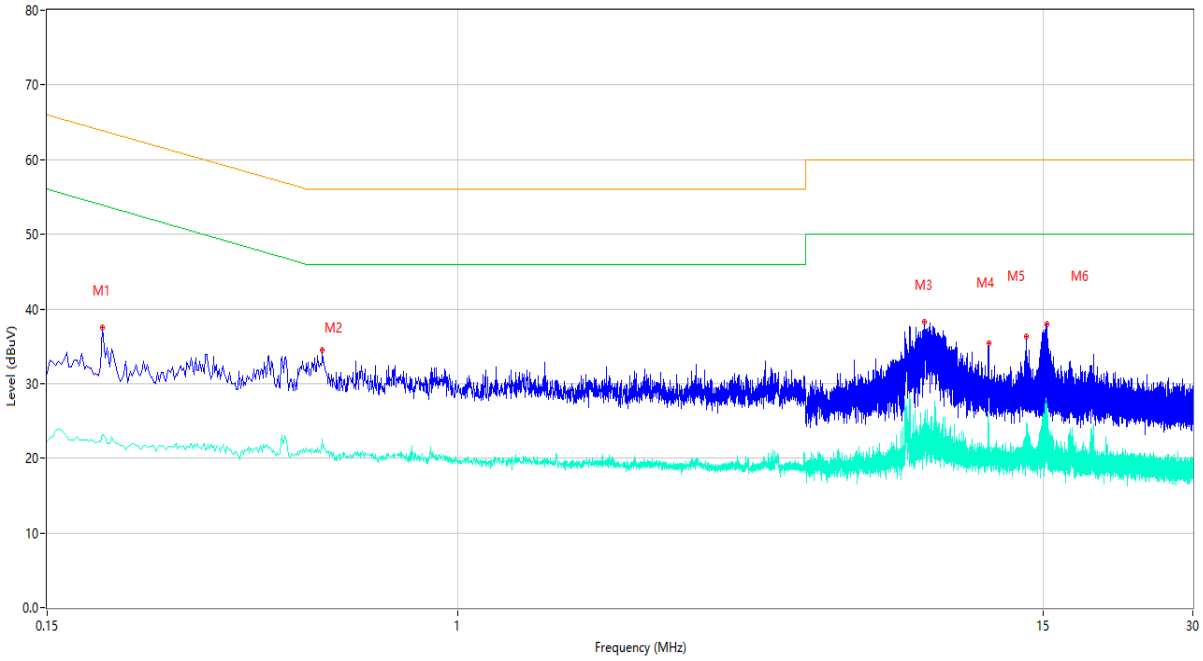
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.534	38.23	9.74	56.00	17.77	Peak	L	Pass
1**	0.534	24.95	9.74	46.00	21.05	AV	L	Pass
2	3.956	31.87	9.66	56.00	24.13	Peak	L	Pass
2**	3.956	18.96	9.66	46.00	27.04	AV	L	Pass
3	6.528	31.44	9.59	60.00	28.56	Peak	L	Pass
3**	6.528	19.98	9.59	50.00	30.02	AV	L	Pass
4	8.954	38.41	9.51	60.00	21.59	Peak	L	Pass
4**	8.954	26.13	9.51	50.00	23.87	AV	L	Pass
5	14.976	37.41	9.26	60.00	22.59	Peak	L	Pass
5**	14.976	21.56	9.26	50.00	28.44	AV	L	Pass
6	18.402	35.44	9.04	60.00	24.56	Peak	L	Pass
6**	18.402	19.78	9.04	50.00	30.22	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.194	37.49	9.75	63.86	26.37	Peak	N	Pass
1**	0.194	23.26	9.75	53.86	30.60	AV	N	Pass
2	0.536	34.46	9.82	56.00	21.54	Peak	N	Pass
2**	0.536	22.62	9.82	46.00	23.38	AV	N	Pass
3	8.686	38.32	9.77	60.00	21.68	Peak	N	Pass
3**	8.686	23.49	9.77	50.00	26.51	AV	N	Pass
4	11.664	35.46	9.66	60.00	24.54	Peak	N	Pass
4**	11.664	24.68	9.66	50.00	25.32	AV	N	Pass
5	13.866	36.28	9.57	60.00	23.72	Peak	N	Pass
5**	13.866	23.24	9.57	50.00	26.76	AV	N	Pass
6	15.266	37.96	9.49	60.00	22.04	Peak	N	Pass
6**	15.266	27.26	9.49	50.00	22.74	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.

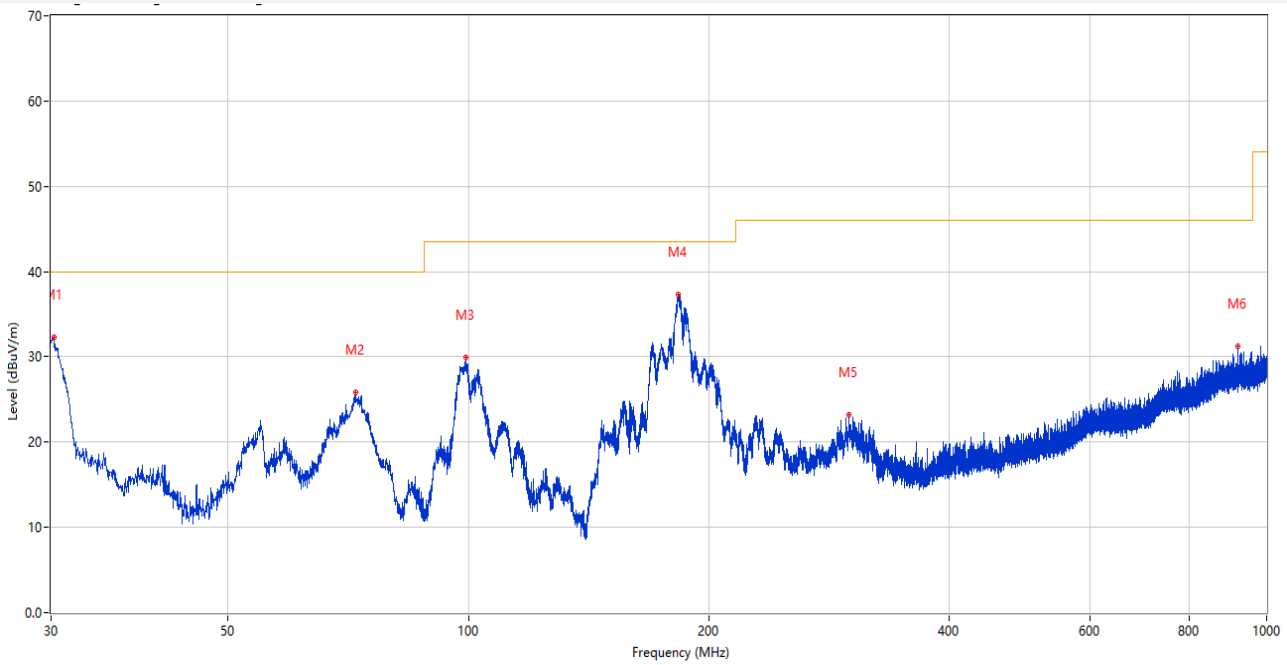
Note [2]: For the test data above 1 GHz， According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

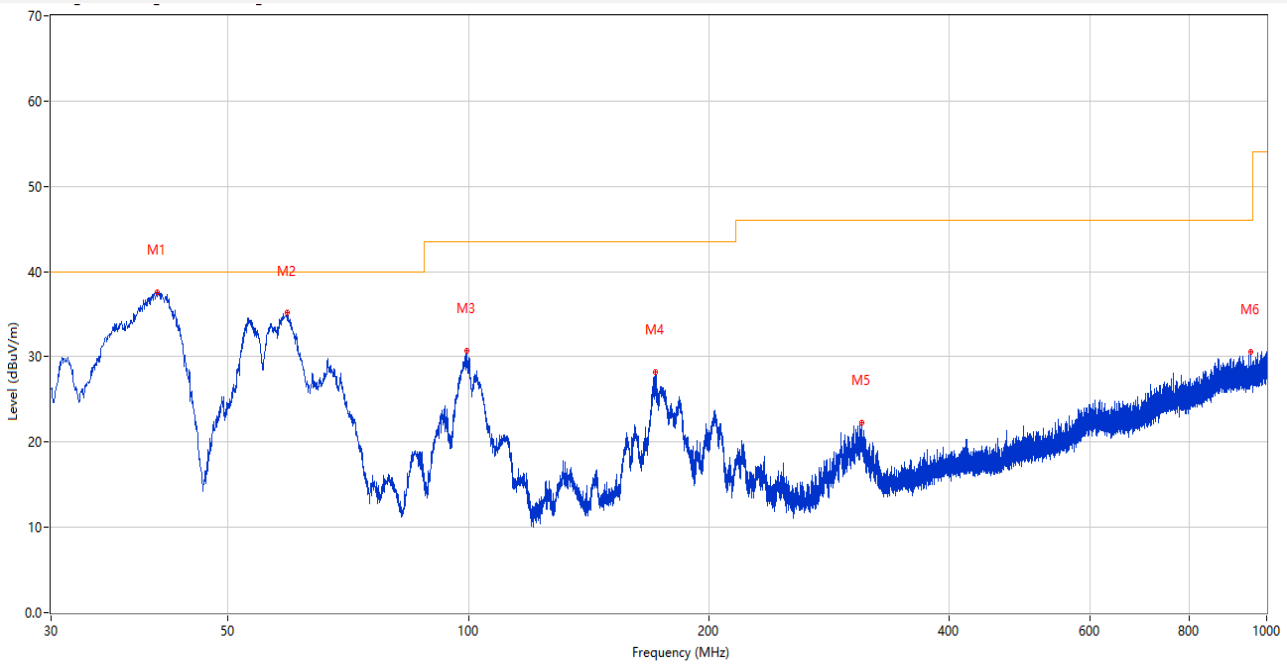
Test Data and Plots

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	30.242	32.32	-28.93	40.0	7.68	Peak	313.00	100	Horizontal	Pass
2	72.195	25.85	-29.73	40.0	14.15	Peak	160.00	200	Horizontal	Pass
3	99.161	29.94	-26.14	43.5	13.56	Peak	215.00	100	Horizontal	Pass
4	183.406	37.36	-27.41	43.5	6.14	Peak	60.00	200	Horizontal	Pass
5	299.902	23.19	-23.23	46.0	22.81	Peak	246.00	100	Horizontal	Pass
6	920.266	31.21	-9.14	46.0	14.79	Peak	209.00	200	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	40.718	37.57	-25.69	40.0	2.43	Peak	14.00	100	Vertical	Pass
2	59.343	35.13	-25.88	40.0	4.87	Peak	324.00	100	Vertical	Pass
3	99.501	30.70	-26.12	43.5	12.80	Peak	101.00	200	Vertical	Pass
4	171.523	28.19	-28.35	43.5	15.31	Peak	276.00	200	Vertical	Pass
5	310.912	22.27	-23.16	46.0	23.73	Peak	276.00	100	Vertical	Pass
6	954.701	30.56	-8.88	46.0	15.44	Peak	7.00	100	Vertical	Pass

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

11a, U-NII-1, 1 GHz to 18 GHz, 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	1339.750	39.88	-16.25	74.0	34.12	Peak	132.00	150	Horizontal	Pass
1**	1339.750	28.16	-16.25	54.0	25.84	AV	132.00	150	Horizontal	Pass
2	2820.250	46.04	-8.47	74.0	27.96	Peak	301.00	150	Horizontal	Pass
2**	2820.250	33.78	-8.47	54.0	20.22	AV	301.00	150	Horizontal	Pass
3	3865.000	49.02	-3.51	74.0	24.98	Peak	250.00	150	Horizontal	Pass
3**	3865.000	36.60	-3.51	54.0	17.40	AV	250.00	150	Horizontal	Pass
4	5218.000	102.84	-0.23	--	-3.84	Peak	99.00	150	Horizontal	N/A
4**	5218.000	94.72	-0.23	--	-94.72	AV	99.00	150	Horizontal	N/A
5	10950.000	50.42	-3.12	74.0	23.58	Peak	180.00	150	Horizontal	Pass
5**	10950.000	39.78	-3.12	54.0	14.22	AV	180.00	150	Horizontal	Pass
6	15852.500	51.41	-0.10	74.0	22.59	Peak	97.00	150	Horizontal	Pass
6**	15852.500	41.32	-0.10	54.0	12.68	AV	97.00	150	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	1599.000	39.40	-16.31	74.0	34.60	Peak	304.00	150	Vertical	Pass
1**	1599.000	27.83	-16.31	54.0	26.17	AV	304.00	150	Vertical	Pass
2	2763.750	45.51	-8.88	74.0	28.49	Peak	358.00	150	Vertical	Pass
2**	2763.750	33.89	-8.88	54.0	20.11	AV	358.00	150	Vertical	Pass
3	4201.000	49.11	-2.68	74.0	24.89	Peak	322.00	150	Vertical	Pass
3**	4201.000	38.17	-2.68	54.0	15.83	AV	322.00	150	Vertical	Pass
4	5218.500	106.58	-0.24	--	113.42	Peak	220.00	150	Vertical	N/A
4**	5218.500	98.53	-0.24	--	-98.53	AV	220.00	150	Vertical	N/A
5	12113.500	50.03	-2.43	74.0	23.97	Peak	59.00	150	Vertical	Pass
5**	12113.500	40.15	-2.43	54.0	13.85	AV	59.00	150	Vertical	Pass
6	15527.000	51.16	0.12	74.0	22.84	Peak	261.00	150	Vertical	Pass
6**	15527.000	41.59	0.12	54.0	12.41	AV	261.00	150	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	1357.750	39.44	-16.26	74.0	34.56	Peak	315.00	150	Horizontal	Pass
1**	1357.750	27.60	-16.26	54.0	26.40	AV	315.00	150	Horizontal	Pass
2	2850.000	45.78	-7.94	74.0	28.22	Peak	315.00	150	Horizontal	Pass
2**	2850.000	34.24	-7.94	54.0	19.76	AV	315.00	150	Horizontal	Pass
3	4202.500	49.47	-2.72	74.0	24.53	Peak	236.00	150	Horizontal	Pass
3**	4202.500	37.83	-2.72	54.0	16.17	AV	236.00	150	Horizontal	Pass
4	5218.000	104.81	-0.23	--	-5.81	Peak	99.00	150	Horizontal	N/A
4**	5218.000	96.71	-0.23	--	-96.71	AV	99.00	150	Horizontal	N/A
5	11602.000	50.18	-2.52	74.0	23.82	Peak	324.00	150	Horizontal	Pass
5**	11602.000	39.76	-2.52	54.0	14.24	AV	324.00	150	Horizontal	Pass
6	16111.500	51.35	0.33	74.0	22.65	Peak	196.00	150	Horizontal	Pass
6**	16111.500	41.55	0.33	54.0	12.45	AV	196.00	150	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	1529.250	38.83	-16.13	74.0	35.17	Peak	359.00	150	Vertical	Pass
1**	1529.250	28.19	-16.13	54.0	25.81	AV	359.00	150	Vertical	Pass
2	2872.250	46.24	-7.94	74.0	27.76	Peak	165.00	150	Vertical	Pass
2**	2872.250	33.29	-7.94	54.0	20.71	AV	165.00	150	Vertical	Pass
3	4239.500	49.24	-3.19	74.0	24.76	Peak	343.00	150	Vertical	Pass
3**	4239.500	37.18	-3.19	54.0	16.82	AV	343.00	150	Vertical	Pass
4	5218.000	107.26	-0.23	--	108.74	Peak	216.00	150	Vertical	N/A
4**	5218.000	99.37	-0.23	--	-99.37	AV	216.00	150	Vertical	N/A
5	10959.500	50.75	-3.21	74.0	23.25	Peak	230.00	150	Vertical	Pass
5**	10959.500	39.93	-3.21	54.0	14.07	AV	230.00	150	Vertical	Pass
6	15683.500	51.63	0.05	74.0	22.37	Peak	106.00	150	Vertical	Pass
6**	15683.500	40.14	0.05	54.0	13.86	AV	106.00	150	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	1570.000	39.83	-16.07	74.0	34.17	Peak	281.00	150	Horizontal	Pass
1**	1570.000	27.64	-16.07	54.0	26.36	AV	281.00	150	Horizontal	Pass
2	2782.000	45.45	-8.33	74.0	28.55	Peak	234.00	150	Horizontal	Pass
2**	2782.000	33.57	-8.33	54.0	20.43	AV	234.00	150	Horizontal	Pass
3	4174.000	49.84	-2.75	74.0	24.16	Peak	264.00	150	Horizontal	Pass
3**	4174.000	37.77	-2.75	54.0	16.23	AV	264.00	150	Horizontal	Pass
4	5191.500	101.48	-0.21	--	-0.48	Peak	101.00	150	Horizontal	N/A
4**	5191.500	92.61	-0.21	--	-92.61	AV	101.00	150	Horizontal	N/A
5	11521.500	50.17	-3.29	74.0	23.83	Peak	296.00	150	Horizontal	Pass
5**	11521.500	38.61	-3.29	54.0	15.39	AV	296.00	150	Horizontal	Pass
6	15716.000	51.24	-0.15	74.0	22.76	Peak	313.00	150	Horizontal	Pass
6**	15716.000	40.22	-0.15	54.0	13.78	AV	313.00	150	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	1527.750	39.79	-16.14	74.0	34.21	Peak	152.00	150	Vertical	Pass
1**	1527.750	28.43	-16.14	54.0	25.57	AV	152.00	150	Vertical	Pass
2	2777.250	45.82	-8.51	74.0	28.18	Peak	34.00	150	Vertical	Pass
2**	2777.250	34.51	-8.51	54.0	19.49	AV	34.00	150	Vertical	Pass
3	4175.000	49.12	-2.74	74.0	24.88	Peak	352.00	150	Vertical	Pass
3**	4175.000	37.47	-2.74	54.0	16.53	AV	352.00	150	Vertical	Pass
4	5193.500	105.50	-0.22	--	103.50	Peak	209.00	150	Vertical	N/A
4**	5193.500	97.24	-0.22	--	-97.24	AV	209.00	150	Vertical	N/A
5	11558.000	50.07	-2.44	74.0	23.93	Peak	190.00	150	Vertical	Pass
5**	11558.000	39.56	-2.44	54.0	14.44	AV	190.00	150	Vertical	Pass
6	16114.000	51.30	0.27	74.0	22.70	Peak	0.00	150	Vertical	Pass
6**	16114.000	41.09	0.27	54.0	12.91	AV	0.00	150	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	1541.250	40.22	-16.25	74.0	33.78	Peak	320.00	150	Horizontal	Pass
1**	1541.250	27.78	-16.25	54.0	26.22	AV	320.00	150	Horizontal	Pass
2	2781.250	45.38	-8.37	74.0	28.62	Peak	360.00	150	Horizontal	Pass
2**	2781.250	33.37	-8.37	54.0	20.63	AV	360.00	150	Horizontal	Pass
3	4204.000	49.45	-2.75	74.0	24.55	Peak	193.00	150	Horizontal	Pass
3**	4204.000	37.93	-2.75	54.0	16.07	AV	193.00	150	Horizontal	Pass
4	5203.000	100.62	-0.19	--	129.38	Peak	230.00	150	Horizontal	N/A
4**	5203.000	91.04	-0.19	--	-91.04	AV	230.00	150	Horizontal	N/A
5	11659.000	50.13	-2.57	74.0	23.87	Peak	52.00	150	Horizontal	Pass
5**	11659.000	39.56	-2.57	54.0	14.44	AV	52.00	150	Horizontal	Pass
6	15686.500	50.94	0.04	74.0	23.06	Peak	109.00	150	Horizontal	Pass
6**	15686.500	39.84	0.04	54.0	14.16	AV	109.00	150	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	1518.500	38.81	-16.21	74.0	35.19	Peak	0.00	150	Vertical	Pass
1**	1518.500	28.10	-16.21	54.0	25.90	AV	0.00	150	Vertical	Pass
2	2829.750	46.05	-7.81	74.0	27.95	Peak	280.00	150	Vertical	Pass
2**	2829.750	33.81	-7.81	54.0	20.19	AV	280.00	150	Vertical	Pass
3	4186.000	48.77	-2.70	74.0	25.23	Peak	93.00	150	Vertical	Pass
3**	4186.000	37.87	-2.70	54.0	16.13	AV	93.00	150	Vertical	Pass
4	5216.500	94.31	-0.21	--	38.69	Peak	133.00	150	Vertical	N/A
4**	5216.500	85.81	-0.21	--	-85.81	AV	133.00	150	Vertical	N/A
5	11463.500	51.25	-2.65	74.0	22.75	Peak	271.00	150	Vertical	Pass
5**	11463.500	39.61	-2.65	54.0	14.39	AV	271.00	150	Vertical	Pass
6	15844.000	51.75	-0.15	74.0	22.25	Peak	227.00	150	Vertical	Pass
6**	15844.000	40.64	-0.15	54.0	13.36	AV	227.00	150	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	1508.000	39.74	-16.48	74.0	34.26	Peak	140.00	150	Horizontal	Pass
1**	1508.000	28.27	-16.48	54.0	25.73	AV	140.00	150	Horizontal	Pass
2	2863.250	46.49	-8.17	74.0	27.51	Peak	43.00	150	Horizontal	Pass
2**	2863.250	34.05	-8.17	54.0	19.95	AV	43.00	150	Horizontal	Pass
3	4318.500	49.40	-2.84	74.0	24.60	Peak	157.00	150	Horizontal	Pass
3**	4318.500	38.54	-2.84	54.0	15.46	AV	157.00	150	Horizontal	Pass
4	5302.500	106.67	0.05	--	-6.67	Peak	100.00	150	Horizontal	N/A
4**	5302.500	98.68	0.05	--	-98.68	AV	100.00	150	Horizontal	N/A
5	11549.500	50.02	-2.42	74.0	23.98	Peak	138.00	150	Horizontal	Pass
5**	11549.500	39.56	-2.42	54.0	14.44	AV	138.00	150	Horizontal	Pass
6	16104.500	51.90	0.31	74.0	22.10	Peak	204.00	150	Horizontal	Pass
6**	16104.500	41.27	0.31	54.0	12.73	AV	204.00	150	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	1462.250	39.48	-16.31	74.0	34.52	Peak	189.00	150	Vertical	Pass
1**	1462.250	27.90	-16.31	54.0	26.10	AV	189.00	150	Vertical	Pass
2	2763.500	45.98	-8.89	74.0	28.02	Peak	105.00	150	Vertical	Pass
2**	2763.500	33.88	-8.89	54.0	20.12	AV	105.00	150	Vertical	Pass
3	4316.500	50.08	-2.84	74.0	23.92	Peak	339.00	150	Vertical	Pass
3**	4316.500	38.39	-2.84	54.0	15.61	AV	339.00	150	Vertical	Pass
4	5298.500	107.26	0.02	--	94.74	Peak	202.00	150	Vertical	N/A
4**	5298.500	99.18	0.02	--	-99.18	AV	202.00	150	Vertical	N/A
5	10917.500	49.86	-2.50	74.0	24.14	Peak	237.00	150	Vertical	Pass
5**	10917.500	39.70	-2.50	54.0	14.30	AV	237.00	150	Vertical	Pass
6	15705.000	50.83	-0.03	74.0	23.17	Peak	237.00	150	Vertical	Pass
6**	15705.000	40.25	-0.03	54.0	13.75	AV	237.00	150	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	1516.500	40.01	-16.26	74.0	33.99	Peak	11.00	150	Horizontal	Pass
1**	1516.500	28.41	-16.26	54.0	25.59	AV	11.00	150	Horizontal	Pass
2	2862.500	46.44	-8.18	74.0	27.56	Peak	75.00	150	Horizontal	Pass
2**	2862.500	34.35	-8.18	54.0	19.65	AV	75.00	150	Horizontal	Pass
3	4343.000	49.48	-2.44	74.0	24.52	Peak	198.00	150	Horizontal	Pass
3**	4343.000	38.03	-2.44	54.0	15.97	AV	198.00	150	Horizontal	Pass
4	5298.500	106.57	0.02	--	-2.57	Peak	104.00	150	Horizontal	N/A
4**	5298.500	99.00	0.02	--	-99.00	AV	104.00	150	Horizontal	N/A
5	10925.500	50.61	-2.76	74.0	23.39	Peak	119.00	150	Horizontal	Pass
5**	10925.500	39.90	-2.76	54.0	14.10	AV	119.00	150	Horizontal	Pass
6	16126.000	51.93	-0.02	74.0	22.07	Peak	260.00	150	Horizontal	Pass
6**	16126.000	41.30	-0.02	54.0	12.70	AV	260.00	150	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	1607.500	39.68	-16.11	74.0	34.32	Peak	186.00	150	Vertical	Pass
1**	1607.500	28.04	-16.11	54.0	25.96	AV	186.00	150	Vertical	Pass
2	2790.250	45.67	-7.90	74.0	28.33	Peak	181.00	150	Vertical	Pass
2**	2790.250	33.73	-7.90	54.0	20.27	AV	181.00	150	Vertical	Pass
3	4178.500	49.93	-2.72	74.0	24.07	Peak	357.00	150	Vertical	Pass
3**	4178.500	38.18	-2.72	54.0	15.82	AV	357.00	150	Vertical	Pass
4	5302.000	107.18	0.05	--	103.82	Peak	211.00	150	Vertical	N/A
4**	5302.000	99.46	0.05	--	-99.46	AV	211.00	150	Vertical	N/A
5	10920.500	50.49	-2.56	74.0	23.51	Peak	94.00	150	Vertical	Pass
5**	10920.500	39.93	-2.56	54.0	14.07	AV	94.00	150	Vertical	Pass
6	15836.000	51.05	-0.15	74.0	22.95	Peak	45.00	150	Vertical	Pass
6**	15836.000	40.80	-0.15	54.0	13.20	AV	45.00	150	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	1551.500	39.69	-16.25	74.0	34.31	Peak	160.00	150	Horizontal	Pass
1**	1551.500	28.00	-16.25	54.0	26.00	AV	160.00	150	Horizontal	Pass
2	2848.750	46.57	-7.93	74.0	27.43	Peak	83.00	150	Horizontal	Pass
2**	2848.750	34.35	-7.93	54.0	19.65	AV	83.00	150	Horizontal	Pass
3	4108.000	49.50	-3.27	74.0	24.50	Peak	8.00	150	Horizontal	Pass
3**	4108.000	37.65	-3.27	54.0	16.35	AV	8.00	150	Horizontal	Pass
4	5272.000	103.22	-0.51	--	2.78	Peak	106.00	150	Horizontal	N/A
4**	5272.000	95.85	-0.51	--	-95.85	AV	106.00	150	Horizontal	N/A
5	12116.000	50.13	-2.41	74.0	23.87	Peak	127.00	150	Horizontal	Pass
5**	12116.000	39.91	-2.41	54.0	14.09	AV	127.00	150	Horizontal	Pass
6	16110.000	51.38	0.37	74.0	22.62	Peak	84.00	150	Horizontal	Pass
6**	16110.000	42.24	0.37	54.0	11.76	AV	84.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1548.250	39.21	-16.27	74.0	34.79	Peak	360.00	150	Vertical	Pass
1**	1548.250	27.56	-16.27	54.0	26.44	AV	360.00	150	Vertical	Pass
2	2806.000	46.30	-8.70	74.0	27.70	Peak	63.00	150	Vertical	Pass
2**	2806.000	33.85	-8.70	54.0	20.15	AV	63.00	150	Vertical	Pass
3	4190.500	49.08	-2.70	74.0	24.92	Peak	0.00	150	Vertical	Pass
3**	4190.500	37.25	-2.70	54.0	16.75	AV	0.00	150	Vertical	Pass
4	5268.500	97.07	-0.57	--	40.93	Peak	138.00	150	Vertical	N/A
4**	5268.500	89.85	-0.57	--	-89.85	AV	138.00	150	Vertical	N/A
5	12110.000	50.41	-2.46	74.0	23.59	Peak	156.00	150	Vertical	Pass
5**	12110.000	40.18	-2.46	54.0	13.82	AV	156.00	150	Vertical	Pass
6	16112.500	51.96	0.31	74.0	22.04	Peak	297.00	150	Vertical	Pass
6**	16112.500	41.73	0.31	54.0	12.27	AV	297.00	150	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	1569.500	40.78	-16.07	74.0	33.22	Peak	289.00	150	Horizontal	Pass
1**	1569.500	28.04	-16.07	54.0	25.96	AV	289.00	150	Horizontal	Pass
2	2847.000	46.30	-7.92	74.0	27.70	Peak	211.00	150	Horizontal	Pass
2**	2847.000	34.16	-7.92	54.0	19.84	AV	211.00	150	Horizontal	Pass
3	4201.500	49.67	-2.69	74.0	24.33	Peak	266.00	150	Horizontal	Pass
3**	4201.500	38.24	-2.69	54.0	15.76	AV	266.00	150	Horizontal	Pass
4	5303.500	101.22	0.04	--	3.78	Peak	105.00	150	Horizontal	N/A
4**	5303.500	92.03	0.04	--	-92.03	AV	105.00	150	Horizontal	N/A
5	11545.000	50.68	-2.58	74.0	23.32	Peak	156.00	150	Horizontal	Pass
5**	11545.000	39.82	-2.58	54.0	14.18	AV	156.00	150	Horizontal	Pass
6	15854.000	51.84	-0.10	74.0	22.16	Peak	162.00	150	Horizontal	Pass
6**	15854.000	40.73	-0.10	54.0	13.27	AV	162.00	150	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	1521.000	39.50	-16.16	74.0	34.50	Peak	83.00	150	Vertical	Pass
1**	1521.000	28.20	-16.16	54.0	25.80	AV	83.00	150	Vertical	Pass
2	2837.750	45.62	-7.85	74.0	28.38	Peak	273.00	150	Vertical	Pass
2**	2837.750	34.07	-7.85	54.0	19.93	AV	273.00	150	Vertical	Pass
3	4292.500	49.40	-2.80	74.0	24.60	Peak	307.00	150	Vertical	Pass
3**	4292.500	38.01	-2.80	54.0	15.99	AV	307.00	150	Vertical	Pass
4	5297.500	102.45	0.01	--	115.55	Peak	218.00	150	Vertical	N/A
4**	5297.500	93.94	0.01	--	-93.94	AV	218.00	150	Vertical	N/A
5	11467.500	50.05	-2.76	74.0	23.95	Peak	138.00	150	Vertical	Pass
5**	11467.500	39.48	-2.76	54.0	14.52	AV	138.00	150	Vertical	Pass
6	15871.000	51.56	-0.15	74.0	22.44	Peak	348.00	150	Vertical	Pass
6**	15871.000	41.13	-0.15	54.0	12.87	AV	348.00	150	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	1213.250	39.02	-15.62	74.0	34.98	Peak	105.00	150	Horizontal	Pass
1**	1213.250	27.67	-15.62	54.0	26.33	AV	105.00	150	Horizontal	Pass
2	1547.750	39.93	-15.44	74.0	34.07	Peak	101.00	150	Horizontal	Pass
2**	1547.750	28.81	-15.44	54.0	25.19	AV	101.00	150	Horizontal	Pass
3	4868.500	50.32	-1.31	74.0	23.68	Peak	130.00	150	Horizontal	Pass
3**	4868.500	38.32	-1.31	54.0	15.68	AV	130.00	150	Horizontal	Pass
4	5582.000	106.75	-0.70	--	23.25	Peak	130.00	150	Horizontal	N/A
4**	5582.000	99.56	-0.70	--	-99.56	AV	130.00	150	Horizontal	N/A
5	11914.474	49.84	-1.29	74.0	24.16	Peak	246.00	150	Horizontal	Pass
5**	11914.474	38.78	-1.29	54.0	15.22	AV	246.00	150	Horizontal	Pass
6	15801.825	50.54	1.12	74.0	23.46	Peak	346.00	150	Horizontal	Pass
6**	15801.825	39.74	1.12	54.0	14.26	AV	346.00	150	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	1153.000	38.31	-15.40	74.0	35.69	Peak	242.00	150	Vertical	Pass
1**	1153.000	27.90	-15.40	54.0	26.10	AV	242.00	150	Vertical	Pass
2	1678.750	39.95	-15.41	74.0	34.05	Peak	80.00	150	Vertical	Pass
2**	1678.750	28.32	-15.41	54.0	25.68	AV	80.00	150	Vertical	Pass
3	5063.500	49.98	-0.97	74.0	24.02	Peak	149.00	150	Vertical	Pass
3**	5063.500	39.82	-0.97	54.0	14.18	AV	149.00	150	Vertical	Pass
4	5579.500	105.93	-0.74	--	104.07	Peak	210.00	150	Vertical	N/A
4**	5579.500	98.23	-0.74	--	-98.23	AV	210.00	150	Vertical	N/A
5	12594.437	50.36	-0.40	74.0	23.64	Peak	52.00	150	Vertical	Pass
5**	12594.437	39.05	-0.40	54.0	14.95	AV	52.00	150	Vertical	Pass
6	15945.150	51.01	1.29	74.0	22.99	Peak	345.00	150	Vertical	Pass
6**	15945.150	39.94	1.29	54.0	14.06	AV	345.00	150	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	1202.250	39.34	-15.28	74.0	34.66	Peak	0.00	150	Horizontal	Pass
1**	1202.250	27.95	-15.28	54.0	26.05	AV	0.00	150	Horizontal	Pass
2	1551.750	39.89	-15.40	74.0	34.11	Peak	32.00	150	Horizontal	Pass
2**	1551.750	27.96	-15.40	54.0	26.04	AV	32.00	150	Horizontal	Pass
3	5031.500	50.35	-0.84	74.0	23.65	Peak	249.00	150	Horizontal	Pass
3**	5031.500	39.64	-0.84	54.0	14.36	AV	249.00	150	Horizontal	Pass
4	5581.000	107.02	-0.71	--	25.98	Peak	133.00	150	Horizontal	N/A
4**	5581.000	98.90	-0.71	--	-98.90	AV	133.00	150	Horizontal	N/A
5	11085.600	49.61	-1.11	74.0	24.39	Peak	0.00	150	Horizontal	Pass
5**	11085.600	38.58	-1.11	54.0	15.42	AV	0.00	150	Horizontal	Pass
6	16113.937	51.35	1.67	74.0	22.65	Peak	0.00	150	Horizontal	Pass
6**	16113.937	39.93	1.67	54.0	14.07	AV	0.00	150	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)	v	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1180.250	38.86	-15.51	74.0	35.14	Peak	0.00	150	Vertical	Pass
1**	1180.250	27.61	-15.51	54.0	26.39	AV	0.00	150	Vertical	Pass
2	1537.500	39.46	-15.42	74.0	34.54	Peak	237.00	150	Vertical	Pass
2**	1537.500	28.11	-15.42	54.0	25.89	AV	237.00	150	Vertical	Pass
3	4951.500	50.13	-0.57	74.0	23.87	Peak	360.00	150	Vertical	Pass
3**	4951.500	39.26	-0.57	54.0	14.74	AV	360.00	150	Vertical	Pass
4	5581.000	105.33	-0.71	--	101.67	Peak	207.00	150	Vertical	N/A
4**	5581.000	98.00	-0.71	--	-98.00	AV	207.00	150	Vertical	N/A
5	12493.263	51.19	0.15	74.0	22.81	Peak	359.00	150	Vertical	Pass
5**	12493.263	39.31	0.15	54.0	14.69	AV	359.00	150	Vertical	Pass
6	15706.537	51.72	1.30	74.0	22.28	Peak	8.00	150	Vertical	Pass
6**	15706.537	41.12	1.30	54.0	12.88	AV	8.00	150	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	1210.000	38.92	-15.54	74.0	35.08	Peak	326.00	150	Horizontal	Pass
1**	1210.000	27.99	-15.54	54.0	26.01	AV	326.00	150	Horizontal	Pass
2	1579.250	39.75	-15.52	74.0	34.25	Peak	126.00	150	Horizontal	Pass
2**	1579.250	28.43	-15.52	54.0	25.57	AV	126.00	150	Horizontal	Pass
3	4958.500	50.87	-0.69	74.0	23.13	Peak	101.00	150	Horizontal	Pass
3**	4958.500	39.35	-0.69	54.0	14.65	AV	101.00	150	Horizontal	Pass
4	5591.500	104.82	-0.60	--	26.18	Peak	131.00	150	Horizontal	N/A
4**	5591.500	96.87	-0.60	--	-96.87	AV	131.00	150	Horizontal	N/A
5	11875.287	49.24	-0.85	74.0	24.76	Peak	267.00	150	Horizontal	Pass
5**	11875.287	38.50	-0.85	54.0	15.50	AV	267.00	150	Horizontal	Pass
6	15935.963	50.38	1.53	74.0	23.62	Peak	8.00	150	Horizontal	Pass
6**	15935.963	40.61	1.53	54.0	13.39	AV	8.00	150	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	1201.250	38.79	-15.29	74.0	35.21	Peak	252.00	150	Vertical	Pass
1**	1201.250	28.06	-15.29	54.0	25.94	AV	252.00	150	Vertical	Pass
2	1581.000	39.65	-15.55	74.0	34.35	Peak	154.00	150	Vertical	Pass
2**	1581.000	28.66	-15.55	54.0	25.34	AV	154.00	150	Vertical	Pass
3	4958.500	50.10	-0.69	74.0	23.90	Peak	1.00	150	Vertical	Pass
3**	4958.500	39.36	-0.69	54.0	14.64	AV	1.00	150	Vertical	Pass
4	5588.000	103.46	-0.60	--	4.54	Peak	108.00	150	Vertical	N/A
4**	5588.000	95.37	-0.60	--	-95.37	AV	108.00	150	Vertical	N/A
5	12616.050	50.33	-0.38	74.0	23.67	Peak	354.00	150	Vertical	Pass
5**	12616.050	39.14	-0.38	54.0	14.86	AV	354.00	150	Vertical	Pass
6	15944.625	50.87	1.26	74.0	23.13	Peak	208.00	150	Vertical	Pass
6**	15944.625	40.52	1.26	54.0	13.48	AV	208.00	150	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	1188.250	39.28	-15.34	74.0	34.72	Peak	318.00	150	Horizontal	Pass
1**	1188.250	27.59	-15.34	54.0	26.41	AV	318.00	150	Horizontal	Pass
2	1566.750	39.43	-15.18	74.0	34.57	Peak	0.00	150	Horizontal	Pass
2**	1566.750	28.36	-15.18	54.0	25.64	AV	0.00	150	Horizontal	Pass
3	5127.500	50.41	-0.93	74.0	23.59	Peak	170.00	150	Horizontal	Pass
3**	5127.500	39.12	-0.93	54.0	14.88	AV	170.00	150	Horizontal	Pass
4	5535.000	99.79	-0.67	--	30.21	Peak	130.00	150	Horizontal	N/A
4**	5535.000	92.24	-0.67	--	-92.24	AV	130.00	150	Horizontal	N/A
5	12104.237	49.17	-0.98	74.0	24.83	Peak	360.00	150	Horizontal	Pass
5**	12104.237	39.38	-0.98	54.0	14.62	AV	360.00	150	Horizontal	Pass
6	15610.463	50.51	0.78	74.0	23.49	Peak	1.00	150	Horizontal	Pass
6**	15610.463	39.81	0.78	54.0	14.19	AV	1.00	150	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	1145.000	39.23	-15.40	74.0	34.77	Peak	264.00	150	Vertical	Pass
1**	1145.000	27.79	-15.40	54.0	26.21	AV	264.00	150	Vertical	Pass
2	1596.250	39.78	-15.31	74.0	34.22	Peak	237.00	150	Vertical	Pass
2**	1596.250	28.65	-15.31	54.0	25.35	AV	237.00	150	Vertical	Pass
3	5050.000	50.82	-1.00	74.0	23.18	Peak	161.00	150	Vertical	Pass
3**	5050.000	39.43	-1.00	54.0	14.57	AV	161.00	150	Vertical	Pass
4	5523.500	99.76	-0.70	--	10.24	Peak	110.00	150	Vertical	N/A
4**	5523.500	91.72	-0.70	--	-91.72	AV	110.00	150	Vertical	N/A
5	12541.950	50.56	-0.26	74.0	23.44	Peak	6.00	150	Vertical	Pass
5**	12541.950	39.38	-0.26	54.0	14.62	AV	6.00	150	Vertical	Pass
6	15930.450	51.12	1.25	74.0	22.88	Peak	1.00	150	Vertical	Pass
6**	15930.450	40.20	1.25	54.0	13.80	AV	1.00	150	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	1112.500	38.85	-15.79	74.0	35.15	Peak	240.00	150	Horizontal	Pass
1**	1112.500	27.56	-15.79	54.0	26.44	AV	240.00	150	Horizontal	Pass
2	1499.000	39.41	-15.35	74.0	34.59	Peak	13.00	150	Horizontal	Pass
2**	1499.000	28.24	-15.35	54.0	25.76	AV	13.00	150	Horizontal	Pass
3	5034.500	50.51	-0.91	74.0	23.49	Peak	92.00	150	Horizontal	Pass
3**	5034.500	39.48	-0.91	54.0	14.52	AV	92.00	150	Horizontal	Pass
4	5786.000	108.00	0.38	--	31.00	Peak	139.00	150	Horizontal	N/A
4**	5786.000	100.20	0.38	--	-100.20	AV	139.00	150	Horizontal	N/A
5	11957.701	49.64	-1.00	74.0	24.36	Peak	170.00	150	Horizontal	Pass
5**	11957.701	39.07	-1.00	54.0	14.93	AV	170.00	150	Horizontal	Pass
6	16017.075	50.55	1.22	74.0	23.45	Peak	207.00	150	Horizontal	Pass
6**	16017.075	40.00	1.22	54.0	14.00	AV	207.00	150	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	1165.750	38.99	-15.50	74.0	35.01	Peak	222.00	150	Vertical	Pass
1**	1165.750	27.79	-15.50	54.0	26.21	AV	222.00	150	Vertical	Pass
2	1594.000	39.62	-15.37	74.0	34.38	Peak	0.00	150	Vertical	Pass
2**	1594.000	28.55	-15.37	54.0	25.45	AV	0.00	150	Vertical	Pass
3	5122.000	50.77	-0.82	74.0	23.23	Peak	360.00	150	Vertical	Pass
3**	5122.000	39.65	-0.82	54.0	14.35	AV	360.00	150	Vertical	Pass
4	5785.500	107.40	0.37	--	181.60	Peak	289.00	150	Vertical	N/A
4**	5785.500	98.86	0.37	--	-98.86	AV	289.00	150	Vertical	N/A
5	12585.650	50.11	-0.27	74.0	23.89	Peak	359.00	150	Vertical	Pass
5**	12585.650	39.32	-0.27	54.0	14.68	AV	359.00	150	Vertical	Pass
6	15929.400	50.74	1.03	74.0	23.26	Peak	206.00	150	Vertical	Pass
6**	15929.400	40.49	1.03	54.0	13.51	AV	206.00	150	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	1077.500	39.15	-15.58	74.0	34.85	Peak	148.00	150	Horizontal	Pass
1**	1077.500	27.49	-15.58	54.0	26.51	AV	148.00	150	Horizontal	Pass
2	1542.500	39.12	-15.46	74.0	34.88	Peak	345.00	150	Horizontal	Pass
2**	1542.500	27.91	-15.46	54.0	26.09	AV	345.00	150	Horizontal	Pass
3	5059.500	50.93	-0.94	74.0	23.07	Peak	229.00	150	Horizontal	Pass
3**	5059.500	40.02	-0.94	54.0	13.98	AV	229.00	150	Horizontal	Pass
4	5786.000	108.82	0.38	--	21.18		130.00	150	Horizontal	N/A
4**	5786.000	100.93	0.38	--	-100.93	AV	130.00	150	Horizontal	N/A
5	11979.076	49.69	-0.98	74.0	24.31	Peak	0.00	150	Horizontal	Pass
5**	11979.076	38.92	-0.98	54.0	15.08	AV	0.00	150	Horizontal	Pass
6	15939.900	51.06	1.52	74.0	22.94	Peak	0.00	150	Horizontal	Pass
6**	15939.900	40.99	1.52	54.0	13.01	AV	0.00	150	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	1100.250	38.66	-15.59	74.0	35.34	Peak	184.00	150	Vertical	Pass
1**	1100.250	27.38	-15.59	54.0	26.62	AV	184.00	150	Vertical	Pass
2	1557.750	39.62	-15.27	74.0	34.38	Peak	289.00	150	Vertical	Pass
2**	1557.750	28.65	-15.27	54.0	25.35	AV	289.00	150	Vertical	Pass
3	5093.000	50.40	-0.80	74.0	23.60	Peak	179.00	150	Vertical	Pass
3**	5093.000	39.98	-0.80	54.0	14.02	AV	179.00	150	Vertical	Pass
4	5783.500	107.46	0.33	--	172.54	Peak	280.00	150	Vertical	N/A
4**	5783.500	99.41	0.33	--	-99.41	AV	280.00	150	Vertical	N/A
5	12503.713	50.18	-0.16	74.0	23.82	Peak	26.00	150	Vertical	Pass
5**	12503.713	39.17	-0.16	54.0	14.83	AV	26.00	150	Vertical	Pass
6	15899.475	51.35	1.58	74.0	22.65	Peak	1.00	150	Vertical	Pass
6**	15899.475	40.55	1.58	54.0	13.45	AV	1.00	150	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	1200.250	39.60	-15.31	74.0	34.40	Peak	197.00	150	Horizontal	Pass
1**	1200.250	28.54	-15.31	54.0	25.46	AV	197.00	150	Horizontal	Pass
2	1586.750	38.96	-15.57	74.0	35.04	Peak	285.00	150	Horizontal	Pass
2**	1586.750	28.50	-15.57	54.0	25.50	AV	285.00	150	Horizontal	Pass
3	4948.500	49.96	-0.54	74.0	24.04	Peak	360.00	150	Horizontal	Pass
3**	4948.500	39.45	-0.54	54.0	14.55	AV	360.00	150	Horizontal	Pass
4	5758.500	106.49	0.06	--	22.51	Peak	129.00	150	Horizontal	N/A
4**	5758.500	98.38	0.06	--	-98.38	AV	129.00	150	Horizontal	N/A
5	12492.313	50.35	0.16	74.0	23.65	Peak	99.00	150	Horizontal	Pass
5**	12492.313	39.66	0.16	54.0	14.34	AV	99.00	150	Horizontal	Pass
6	15890.288	50.66	1.58	74.0	23.34	Peak	360.00	150	Horizontal	Pass
6**	15890.288	40.22	1.58	54.0	13.78	AV	360.00	150	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	1107.750	38.94	-15.68	74.0	35.06	Peak	0.00	150	Vertical	Pass
1**	1107.750	27.48	-15.68	54.0	26.52	AV	0.00	150	Vertical	Pass
2	1557.000	40.70	-15.28	74.0	33.30	Peak	328.00	150	Vertical	Pass
2**	1557.000	28.21	-15.28	54.0	25.79	AV	328.00	150	Vertical	Pass
3	2772.000	45.22	-7.92	74.0	28.78	Peak	0.00	150	Vertical	Pass
3**	2772.000	34.19	-7.92	54.0	19.81	AV	0.00	150	Vertical	Pass
4	5760.000	104.98	0.15	--	178.02	Peak	283.00	150	Vertical	N/A
4**	5760.000	96.71	0.15	--	-96.71	AV	283.00	150	Vertical	N/A
5	11974.563	49.83	-0.99	74.0	24.17	Peak	292.00	150	Vertical	Pass
5**	11974.563	39.11	-0.99	54.0	14.89	AV	292.00	150	Vertical	Pass
6	15683.174	50.20	0.82	74.0	23.80	Peak	0.00	150	Vertical	Pass
6**	15683.174	39.45	0.82	54.0	14.55	AV	0.00	150	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	1172.250	38.56	-15.51	74.0	35.44	Peak	299.00	150	Horizontal	Pass
1**	1172.250	27.50	-15.51	54.0	26.50	AV	299.00	150	Horizontal	Pass
2	1552.500	39.75	-15.40	74.0	34.25	Peak	276.00	150	Horizontal	Pass
2**	1552.500	28.24	-15.40	54.0	25.76	AV	276.00	150	Horizontal	Pass
3	5031.500	50.60	-0.84	74.0	23.40	Peak	14.00	150	Horizontal	Pass
3**	5031.500	39.62	-0.84	54.0	14.38	AV	14.00	150	Horizontal	Pass
4	5772.500	102.96	0.44	--	26.04	Peak	129.00	150	Horizontal	N/A
4**	5772.500	95.21	0.44	--	-95.21	AV	129.00	150	Horizontal	N/A
5	11885.025	49.25	-1.09	74.0	24.75	Peak	266.00	150	Horizontal	Pass
5**	11885.025	38.66	-1.09	54.0	15.34	AV	266.00	150	Horizontal	Pass
6	15760.874	50.46	1.02	74.0	23.54	Peak	0.00	150	Horizontal	Pass
6**	15760.874	40.00	1.02	54.0	14.00	AV	0.00	150	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	1173.500	38.31	-15.49	74.0	35.69	Peak	358.00	150	Vertical	Pass
1**	1173.500	28.11	-15.49	54.0	25.89	AV	358.00	150	Vertical	Pass
2	1538.500	39.58	-15.46	74.0	34.42	Peak	105.00	150	Vertical	Pass
2**	1538.500	28.29	-15.46	54.0	25.71	AV	105.00	150	Vertical	Pass
3	4940.000	50.53	-0.54	74.0	23.47	Peak	360.00	150	Vertical	Pass
3**	4940.000	39.70	-0.54	54.0	14.30	AV	360.00	150	Vertical	Pass
4	5771.000	102.62	0.44	--	197.38	Peak	300.00	150	Vertical	N/A
4**	5771.000	94.91	0.44	--	-94.91	AV	300.00	150	Vertical	N/A
5	11954.138	49.68	-0.93	74.0	24.32	Peak	124.00	150	Vertical	Pass
5**	11954.138	39.25	-0.93	54.0	14.75	AV	124.00	150	Vertical	Pass
6	15896.063	50.44	1.77	74.0	23.56	Peak	0.00	150	Vertical	Pass
6**	15896.063	40.30	1.77	54.0	13.70	AV	0.00	150	Vertical	Pass

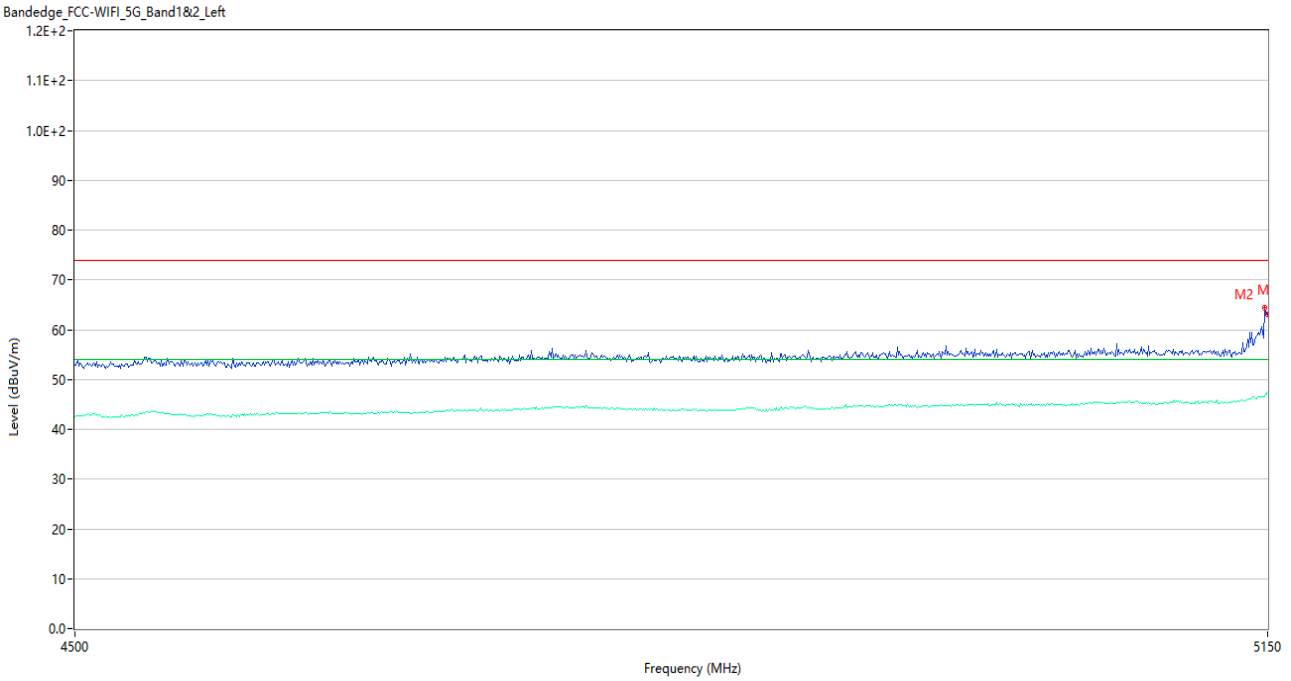
A.7 Band Edge (Restricted-band)

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

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

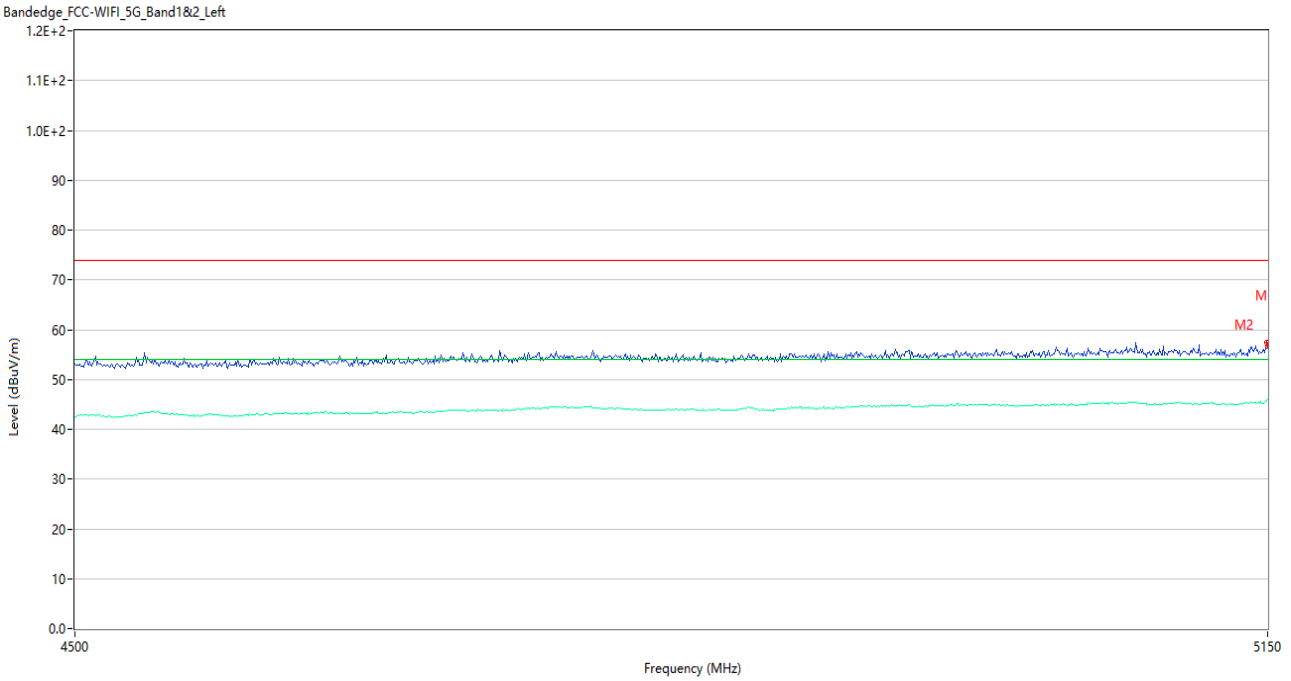
Test Data and Plots

U-NII-1 11a Low Channel ANT V



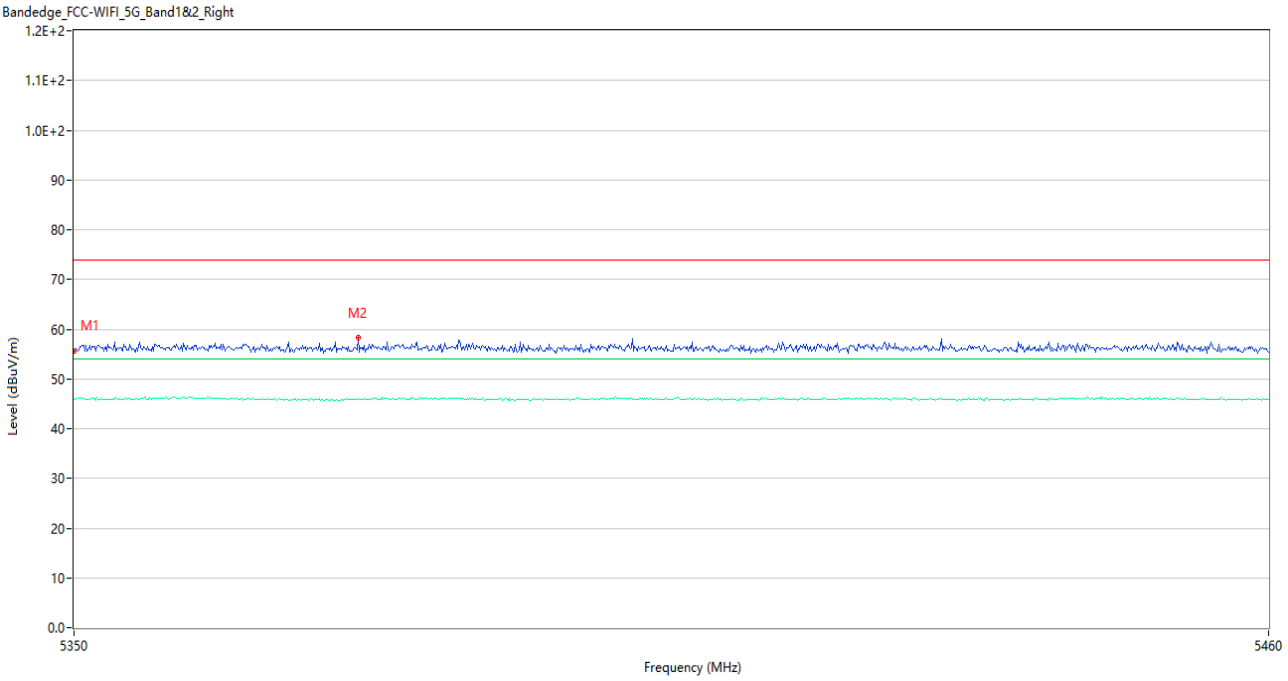
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	63.08	5.21	74.0	10.92	Peak	227.01	150	Vertical	Pass
1**	5150.000	47.56	5.21	54.0	6.44	AV	227.01	150	Vertical	Pass
2	5148.050	64.41	5.26	74.0	9.59	Peak	252.00	150	Vertical	Pass
2**	5148.050	46.65	5.26	54.0	7.35	AV	252.00	150	Vertical	Pass

U-NII-1 11a Low Channel ANT H



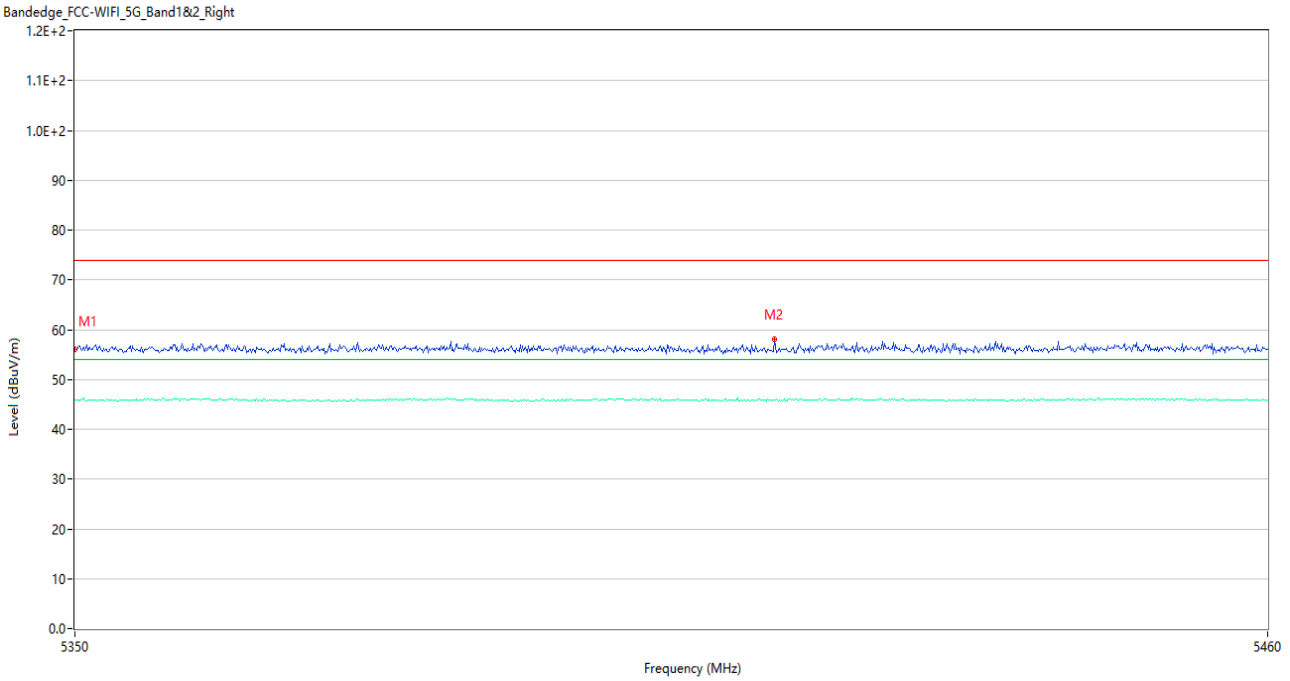
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.66	5.21	74.0	17.34	Peak	147.00	150	Horizontal	Pass
1**	5150.000	45.99	5.21	54.0	8.01	AV	147.00	150	Horizontal	Pass
2	5149.350	57.37	5.21	74.0	16.63	Peak	149.00	150	Horizontal	Pass
2**	5149.350	45.59	5.21	54.0	8.41	AV	149.00	150	Horizontal	Pass

U-NII-1 11a High Channel ANT V



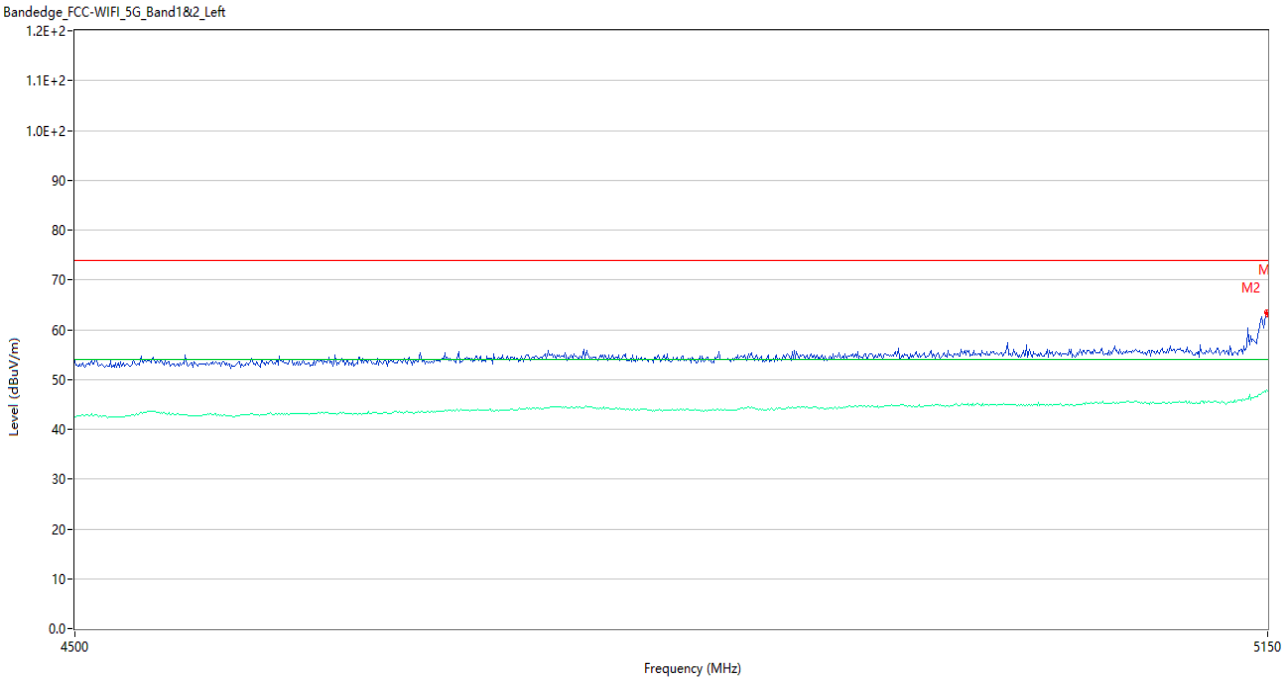
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.60	5.40	74.0	18.40	Peak	51.00	150	Vertical	Pass
1**	5350.000	45.95	5.40	54.0	8.05	AV	51.00	150	Vertical	Pass
2	5375.960	58.19	5.55	74.0	15.81	Peak	222.00	150	Vertical	Pass
2**	5375.960	46.03	5.55	54.0	7.97	AV	222.00	150	Vertical	Pass

U-NII-1 11a High Channel ANT H



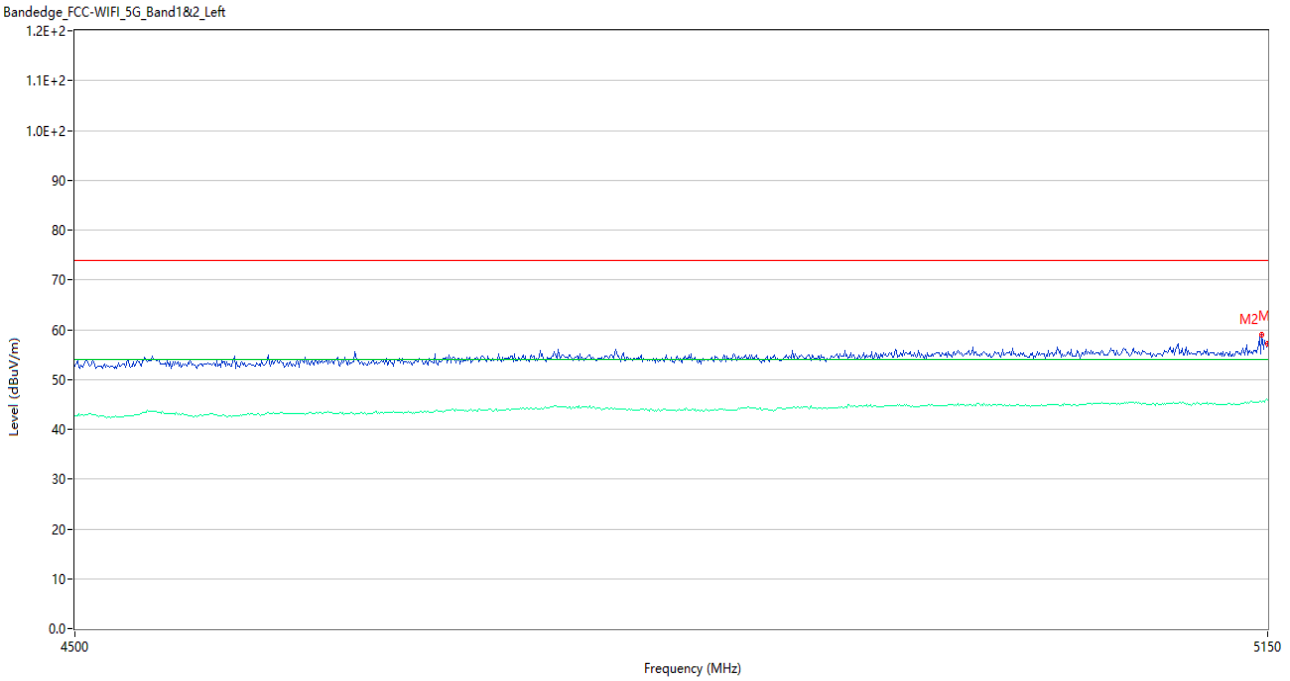
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.15	5.40	74.0	17.85	Peak	354.00	150	Horizontal	Pass
1**	5350.000	45.95	5.40	54.0	8.05	AV	354.00	150	Horizontal	Pass
2	5414.240	57.97	5.21	74.0	16.03	Peak	259.00	150	Horizontal	Pass
2**	5414.240	45.80	5.21	54.0	8.20	AV	259.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel ANT V



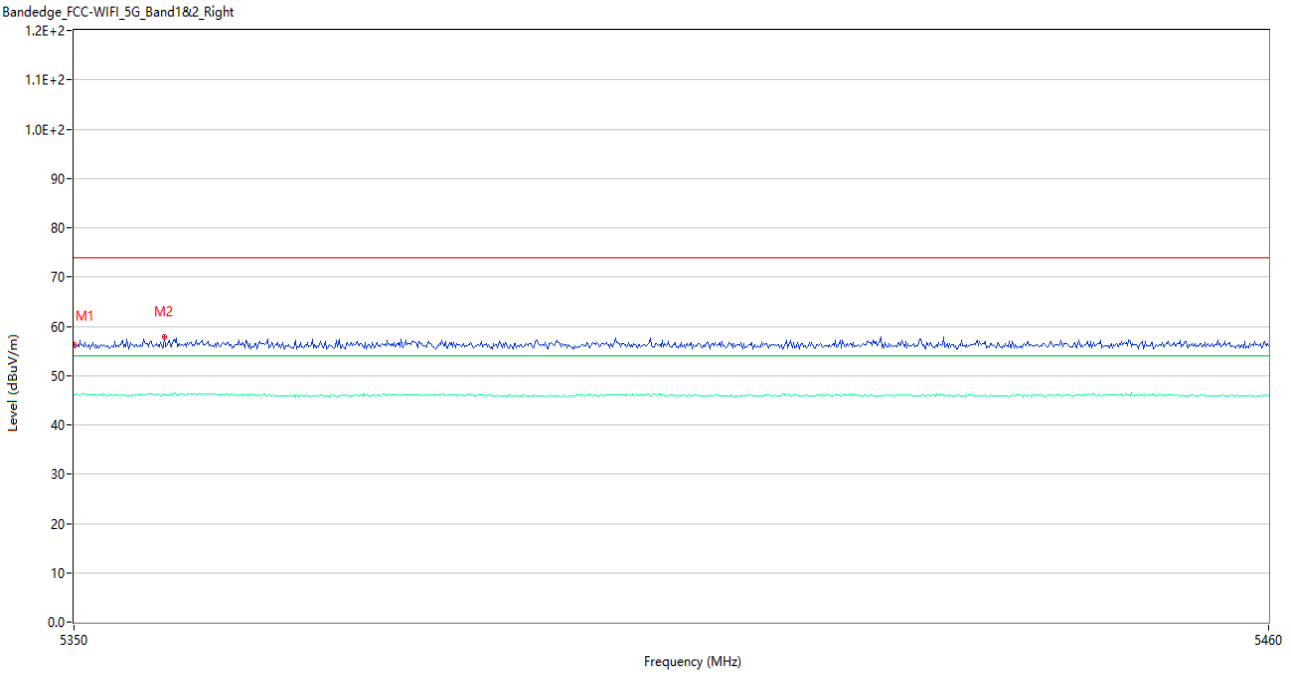
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	62.95	5.21	74.0	11.05	Peak	271.00	150	Vertical	Pass
1**	5150.000	47.61	5.21	54.0	6.39	AV	271.00	150	Vertical	Pass
2	5149.350	63.61	5.21	74.0	10.39	Peak	279.00	150	Vertical	Pass
2**	5149.350	47.94	5.21	54.0	6.06	AV	279.00	150	Vertical	Pass

U-NII-1 11ac20 Low Channel ANT H



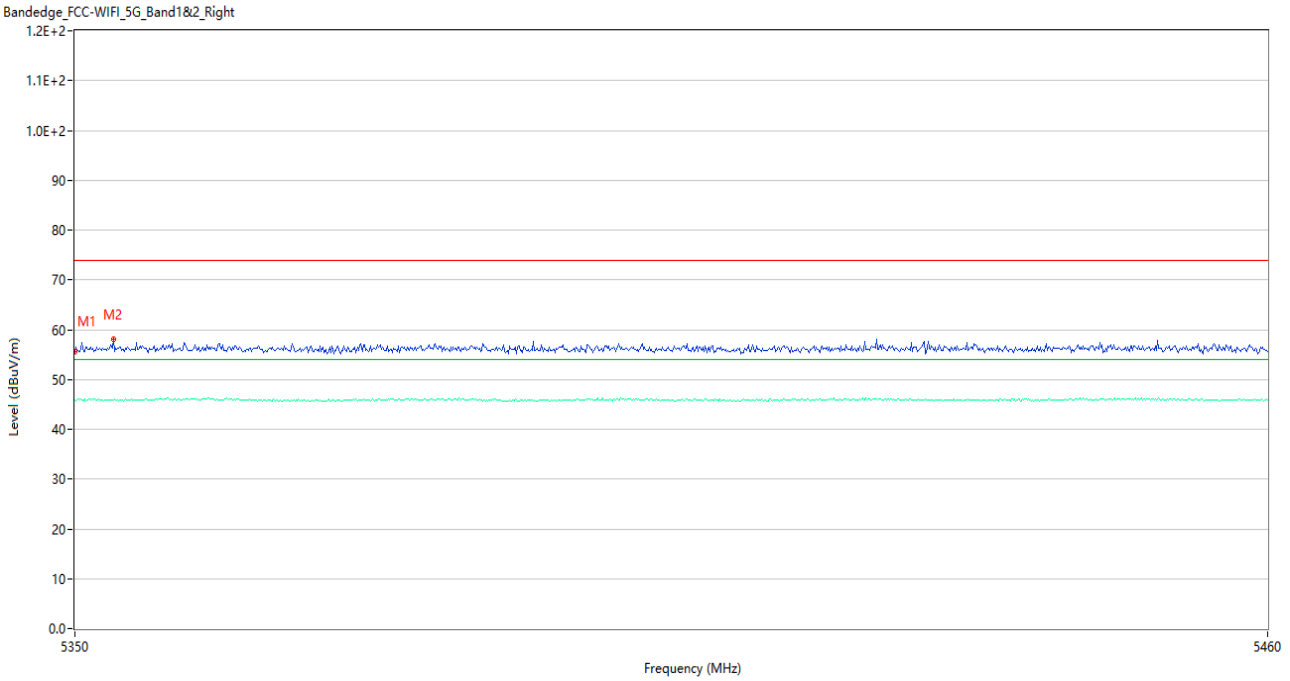
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.11	5.21	74.0	16.89	Peak	143.00	150	Horizontal	Pass
1**	5150.000	45.97	5.21	54.0	8.03	AV	143.00	150	Horizontal	Pass
2	5146.750	58.87	5.33	74.0	15.13	Peak	147.00	150	Horizontal	Pass
2**	5146.750	45.48	5.33	54.0	8.52	AV	147.00	150	Horizontal	Pass

U-NII-1 11ac20 High Channel ANT V



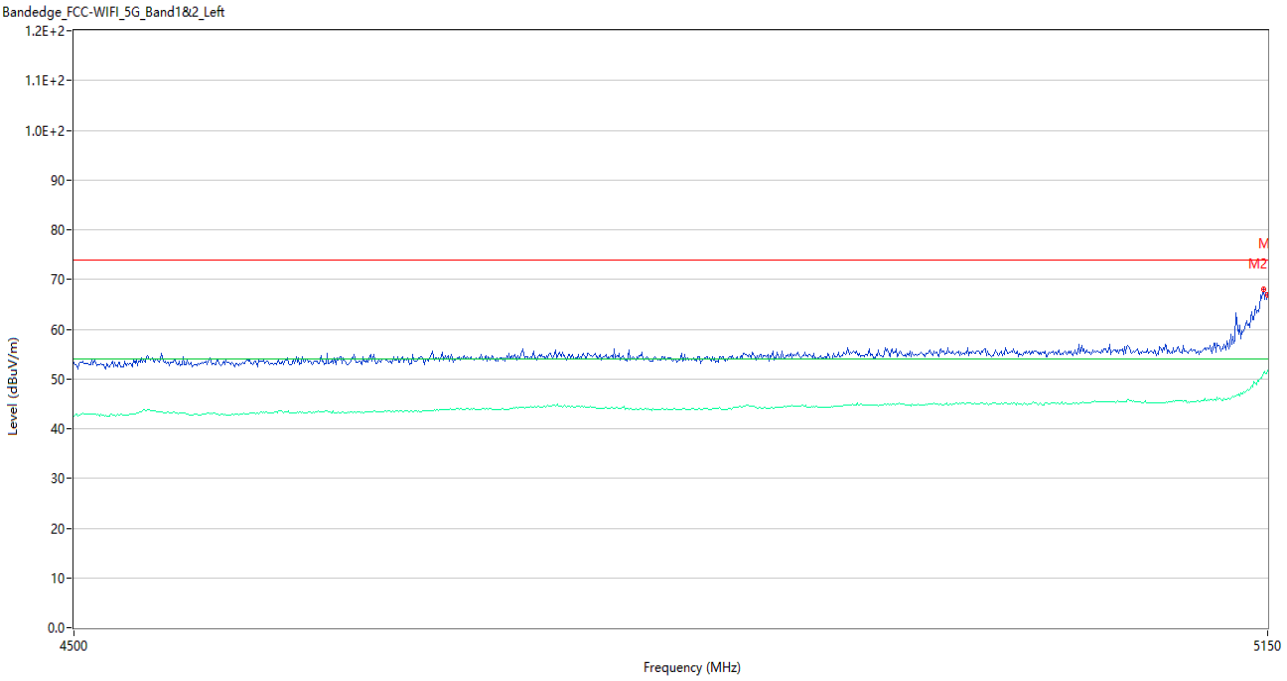
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.30	5.40	74.0	17.70	Peak	47.00	150	Vertical	Pass
1**	5350.000	46.15	5.40	54.0	7.85	AV	47.00	150	Vertical	Pass
2	5358.250	57.96	5.65	74.0	16.04	Peak	65.00	150	Vertical	Pass
2**	5358.250	46.30	5.65	54.0	7.70	AV	65.00	150	Vertical	Pass

U-NII-1 11ac20 High Channel ANT H



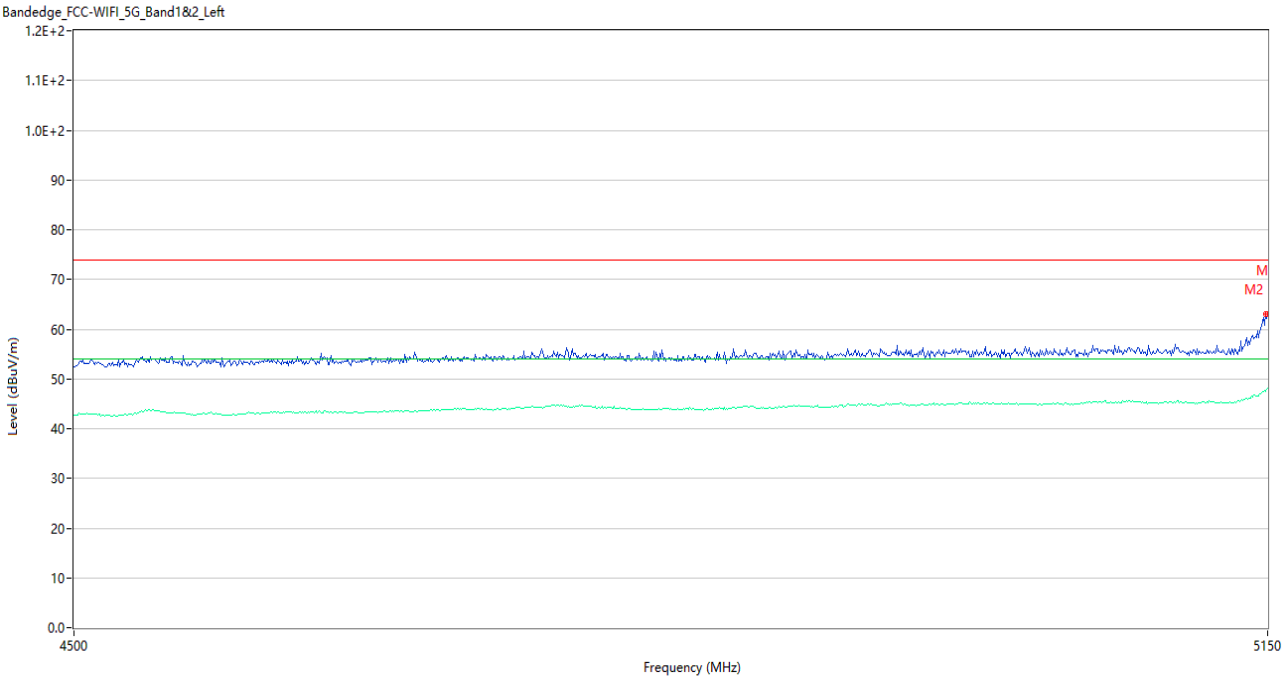
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.59	5.40	74.0	18.41	Peak	129.00	150	Horizontal	Pass
1**	5350.000	45.87	5.40	54.0	8.13	AV	129.00	150	Horizontal	Pass
2	5353.520	58.16	5.49	74.0	15.84	Peak	360.00	150	Horizontal	Pass
2**	5353.520	45.85	5.49	54.0	8.15	AV	360.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel ANT V



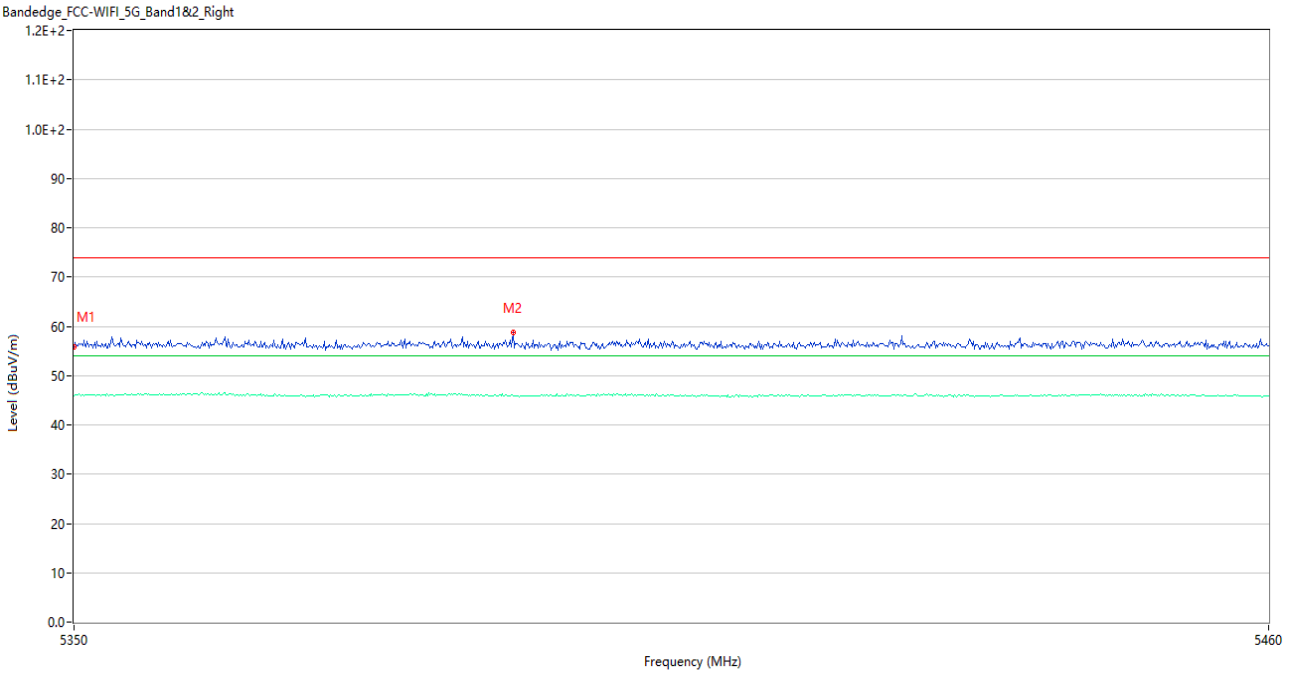
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	66.94	5.21	74.0	7.06	Peak	273.00	150	Vertical	Pass
1**	5150.000	51.70	5.21	54.0	2.30	AV	273.00	150	Vertical	Pass
2	5147.400	68.13	5.29	74.0	5.87	Peak	258.00	150	Vertical	Pass
2**	5147.400	51.09	5.29	54.0	2.91	AV	258.00	150	Vertical	Pass

U-NII-1 11ac40 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	5150.000	62.94	5.21	74.0	11.06	Peak	129.00	150	Horizontal	Pass
1**	5150.000	48.03	5.21	54.0	5.97	AV	129.00	150	Horizontal	Pass
2	5148.700	63.13	5.23	74.0	10.87	Peak	135.00	150	Horizontal	Pass
2**	5148.700	47.55	5.23	54.0	6.45	AV	135.00	150	Horizontal	Pass

U-NII-1 11ac40 High Channel ANT V

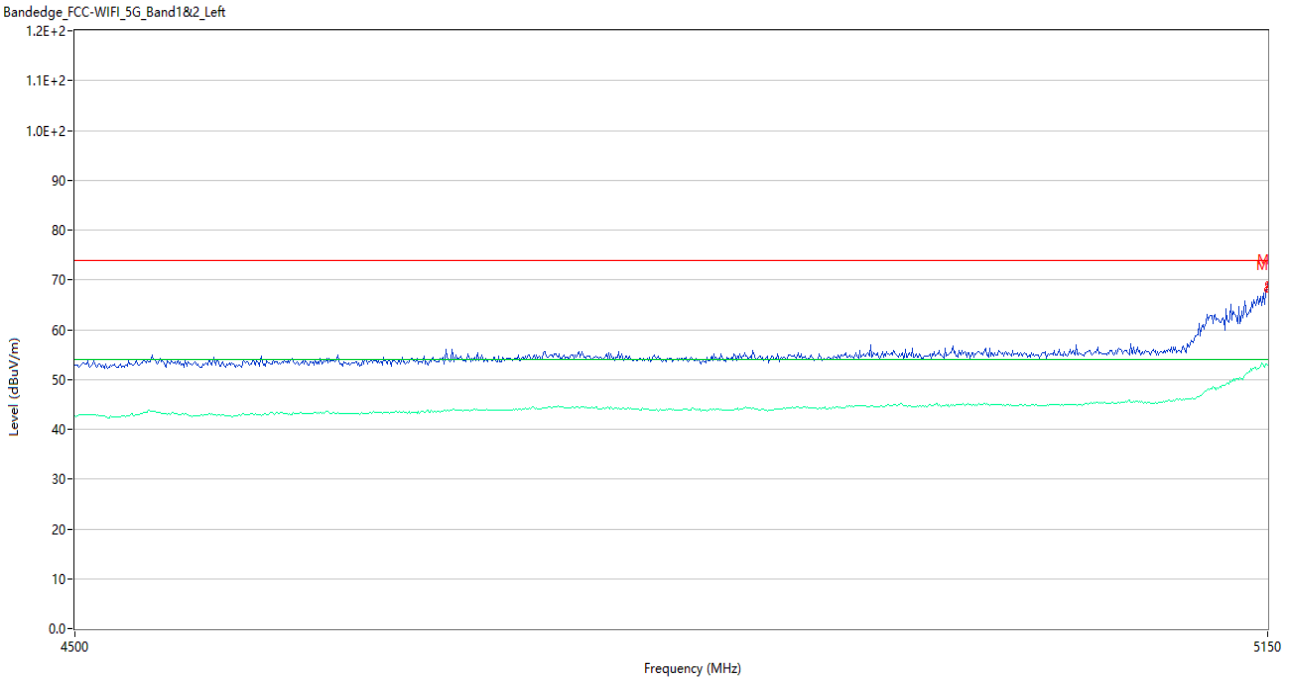


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.87	5.40	74.0	18.13	Peak	261.00	150	Vertical	Pass
1**	5350.000	45.94	5.40	54.0	8.06	AV	261.00	150	Vertical	Pass
2	5390.150	58.73	5.51	74.0	15.27	Peak	328.00	150	Vertical	Pass
2**	5390.150	45.83	5.51	54.0	8.17	AV	328.00	150	Vertical	Pass

U-NII-1 11ac40 High Channel ANT H

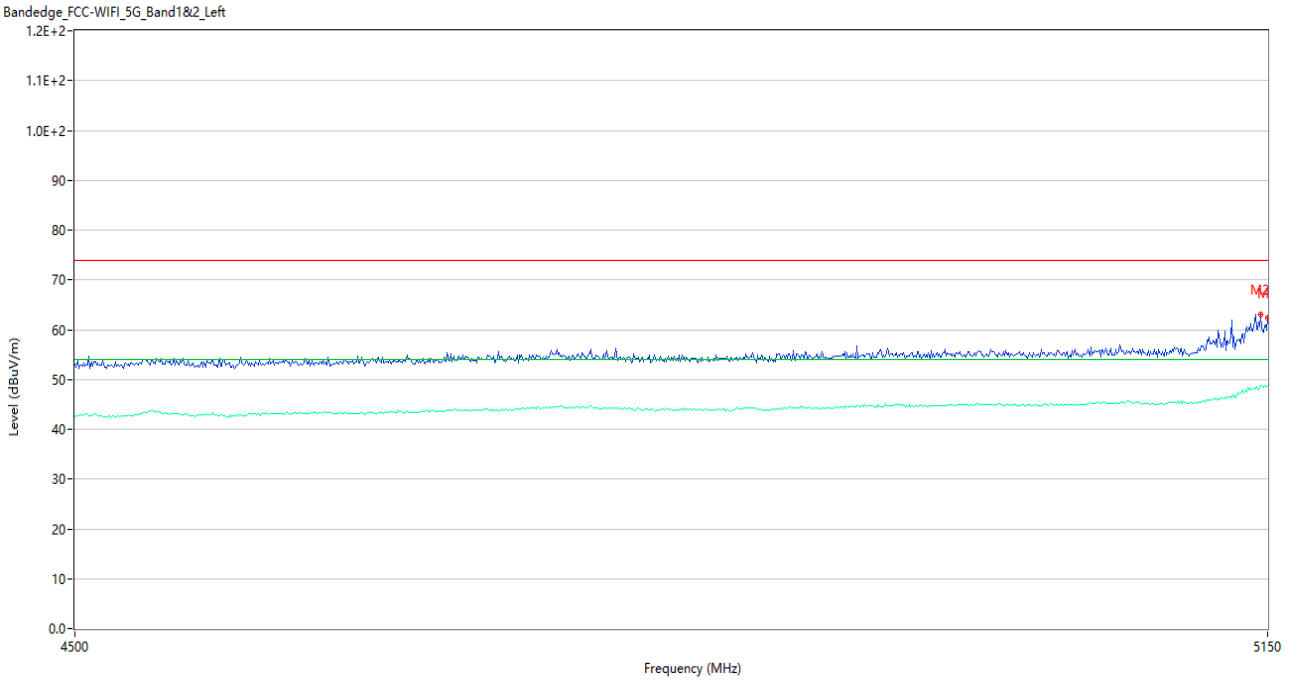
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.09	5.40	74.0	17.91	Peak	6.00	150	Horizontal	Pass
1**	5350.000	45.88	5.40	54.0	8.12	AV	6.00	150	Horizontal	Pass
2	5378.600	58.18	5.65	74.0	15.82	Peak	41.00	150	Horizontal	Pass
2**	5378.600	45.95	5.65	54.0	8.05	AV	41.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel ANT V



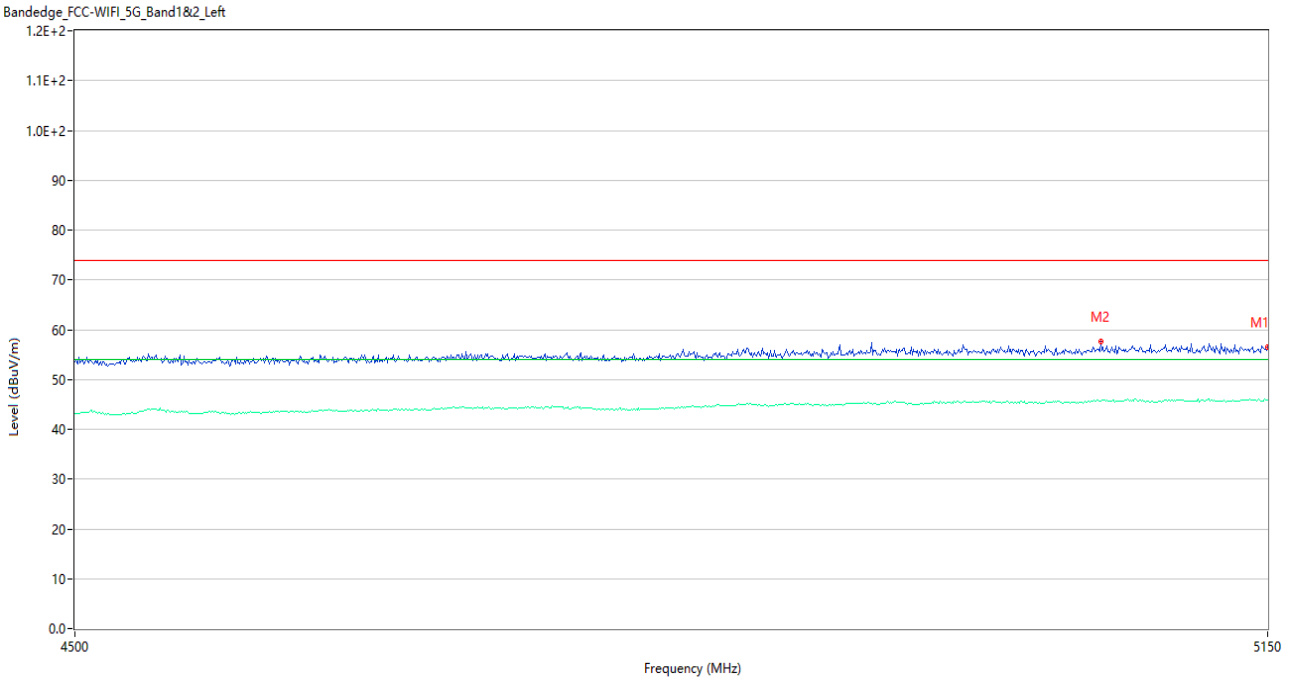
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	69.15	5.21	74.0	4.85	Peak	243.00	150	Vertical	Pass
1**	5150.000	52.93	5.21	54.0	1.07	AV	243.00	150	Vertical	Pass
2	5149.350	68.07	5.21	74.0	5.93	Peak	245.00	150	Vertical	Pass
2**	5149.350	53.22	5.21	54.0	0.78	AV	245.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel ANT H



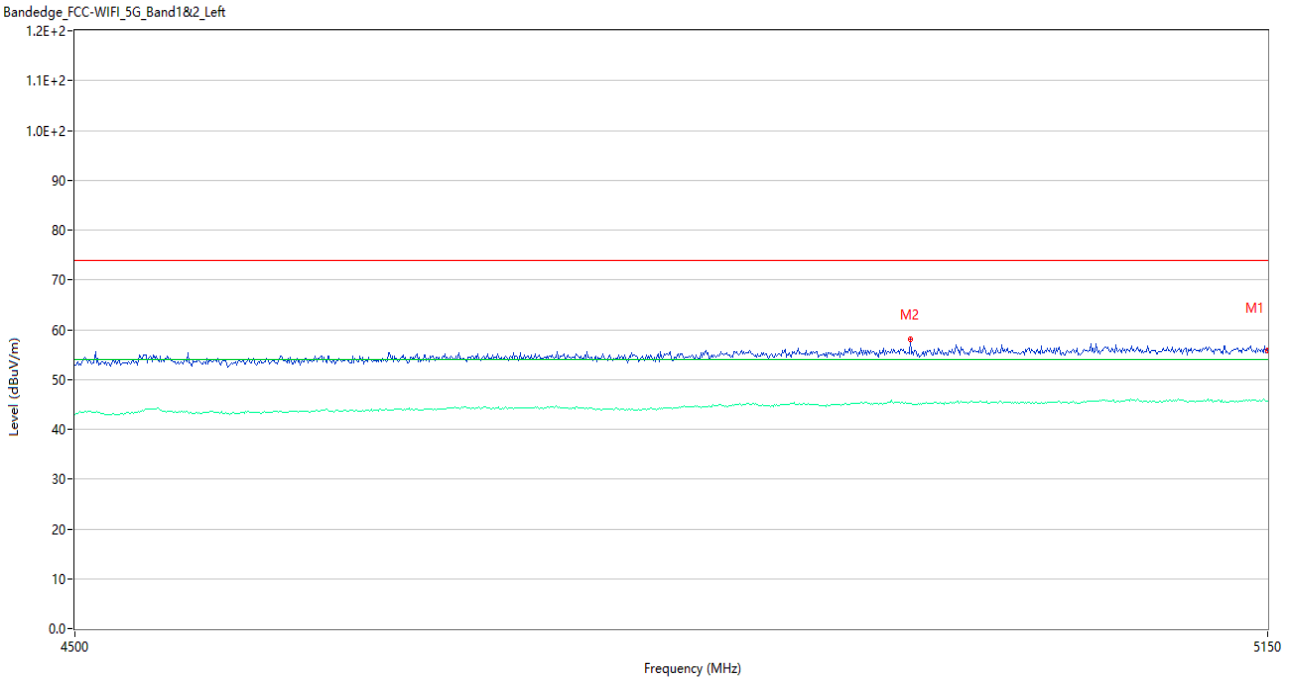
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	62.40	5.21	74.0	11.60	Peak	137.99	150	Horizontal	Pass
1**	5150.000	48.72	5.21	54.0	5.28	AV	137.99	150	Horizontal	Pass
2	5146.100	63.10	5.37	74.0	10.90	Peak	129.00	150	Horizontal	Pass
2**	5146.100	48.79	5.37	54.0	5.21	AV	129.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel ANT V



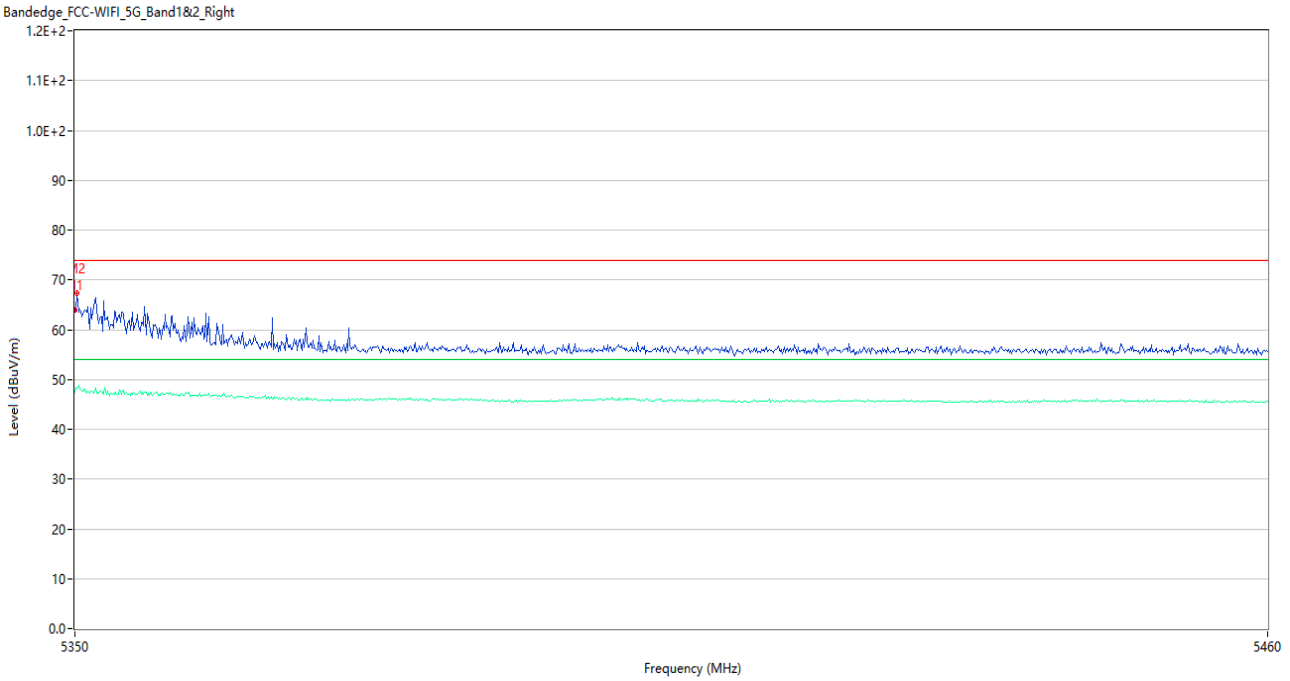
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.57	5.21	74.0	17.43	Peak	351.94	150	Vertical	Pass
1**	5150.000	45.76	5.21	54.0	8.24	AV	351.94	150	Vertical	Pass
2	5053.800	57.61	5.11	74.0	16.39	Peak	84.00	150	Vertical	Pass
2**	5053.800	45.75	5.11	54.0	8.25	AV	84.00	150	Vertical	Pass

U-NII-2A 11a Low Channel ANT H



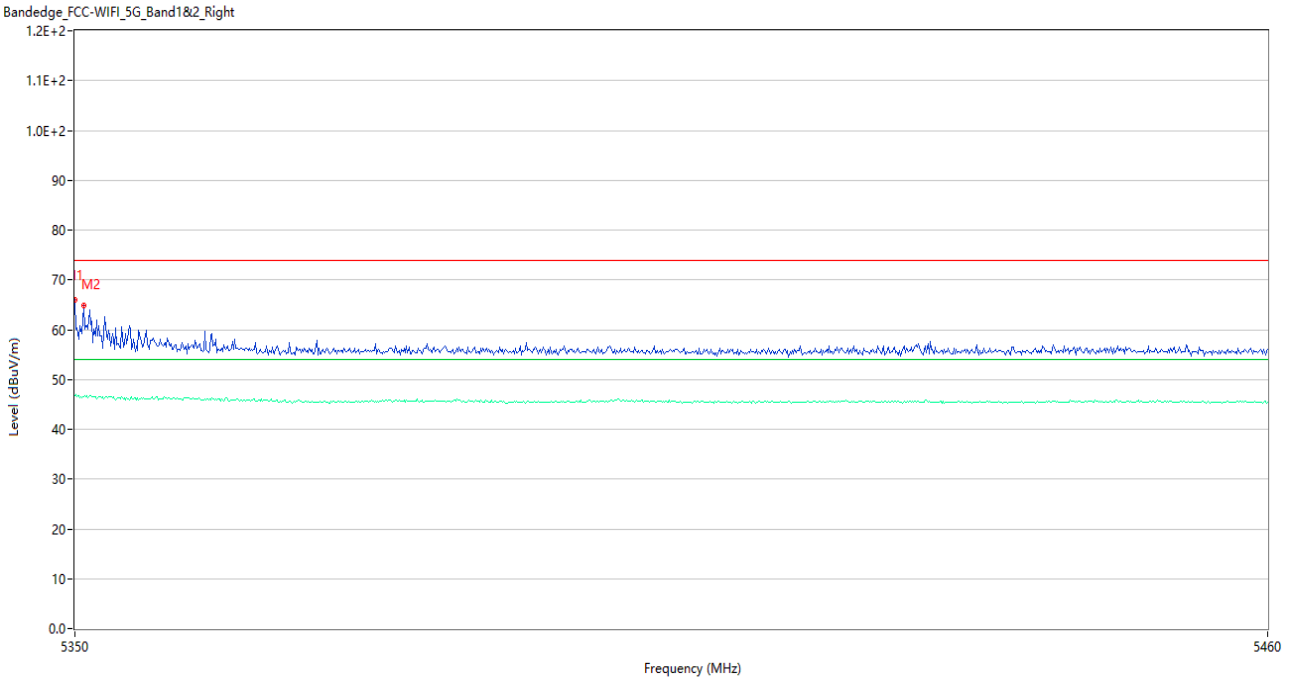
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.78	5.21	74.0	18.22	Peak	209.98	150	Horizontal	Pass
1**	5150.000	45.61	5.21	54.0	8.39	AV	209.98	150	Horizontal	Pass
2	4945.900	58.10	5.15	74.0	15.90	Peak	78.00	150	Horizontal	Pass
2**	4945.900	45.22	5.15	54.0	8.78	AV	78.00	150	Horizontal	Pass

U-NII-2A 11a High Channel ANT V



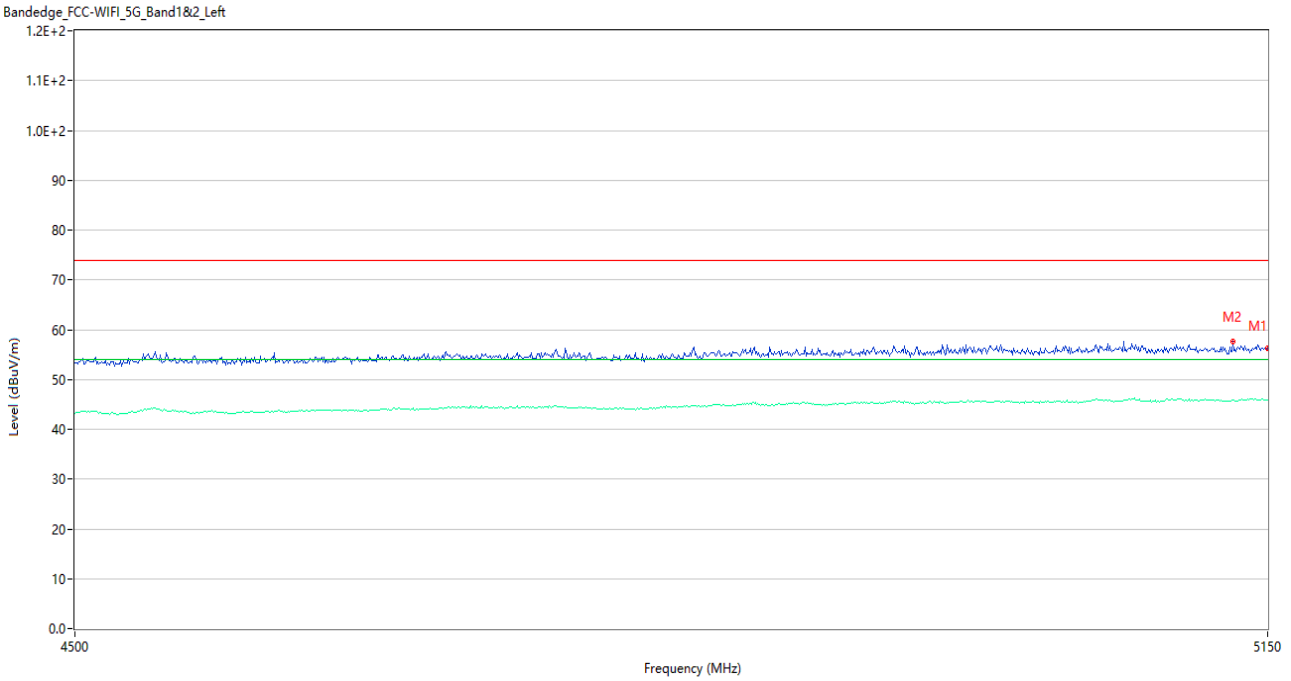
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.96	5.40	74.0	10.04	Peak	308.00	150	Vertical	Pass
1**	5350.000	47.45	5.40	54.0	6.55	AV	308.00	150	Vertical	Pass
2	5350.220	67.33	5.41	74.0	6.67	Peak	253.00	150	Vertical	Pass
2**	5350.220	48.11	5.41	54.0	5.89	AV	253.00	150	Vertical	Pass

U-NII-2A 11a High Channel ANT H



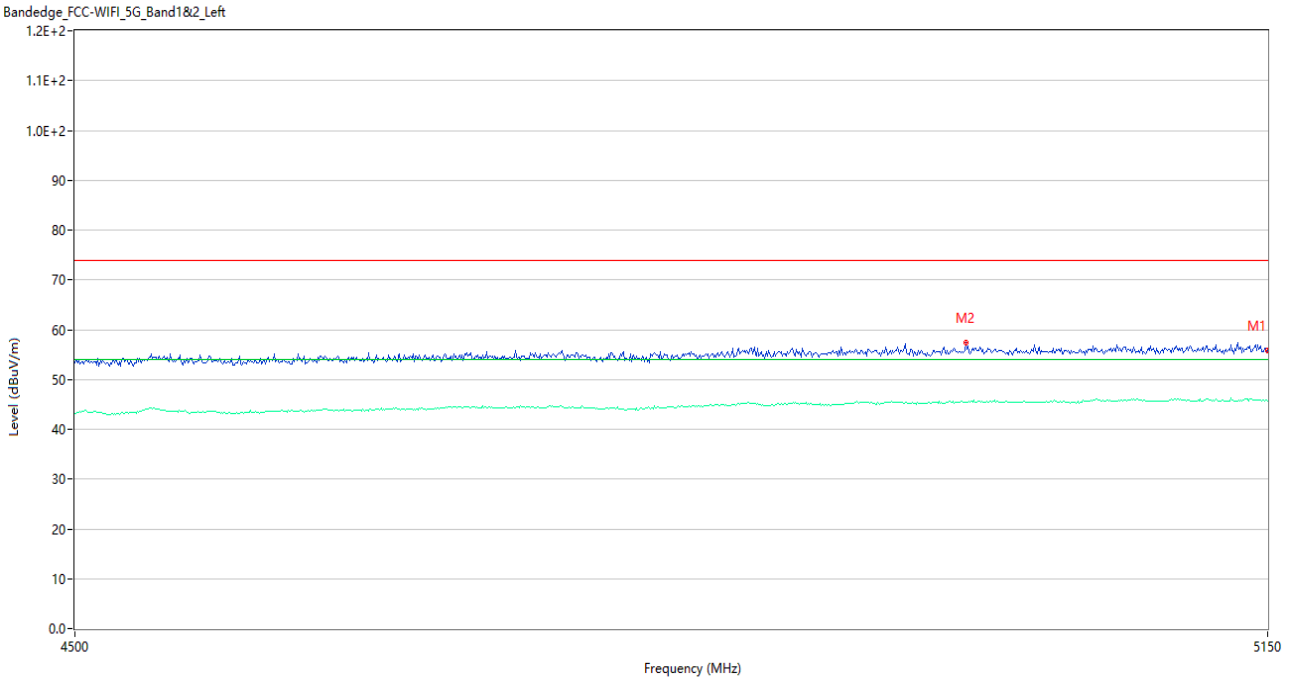
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.97	5.40	74.0	8.03	Peak	142.00	150	Horizontal	Pass
1**	5350.000	46.84	5.40	54.0	7.16	AV	142.00	150	Horizontal	Pass
2	5350.770	64.80	5.42	74.0	9.20	Peak	135.00	150	Horizontal	Pass
2**	5350.770	46.48	5.42	54.0	7.52	AV	135.00	150	Horizontal	Pass

U-NII-2A 11ac20 Low Channel ANT V



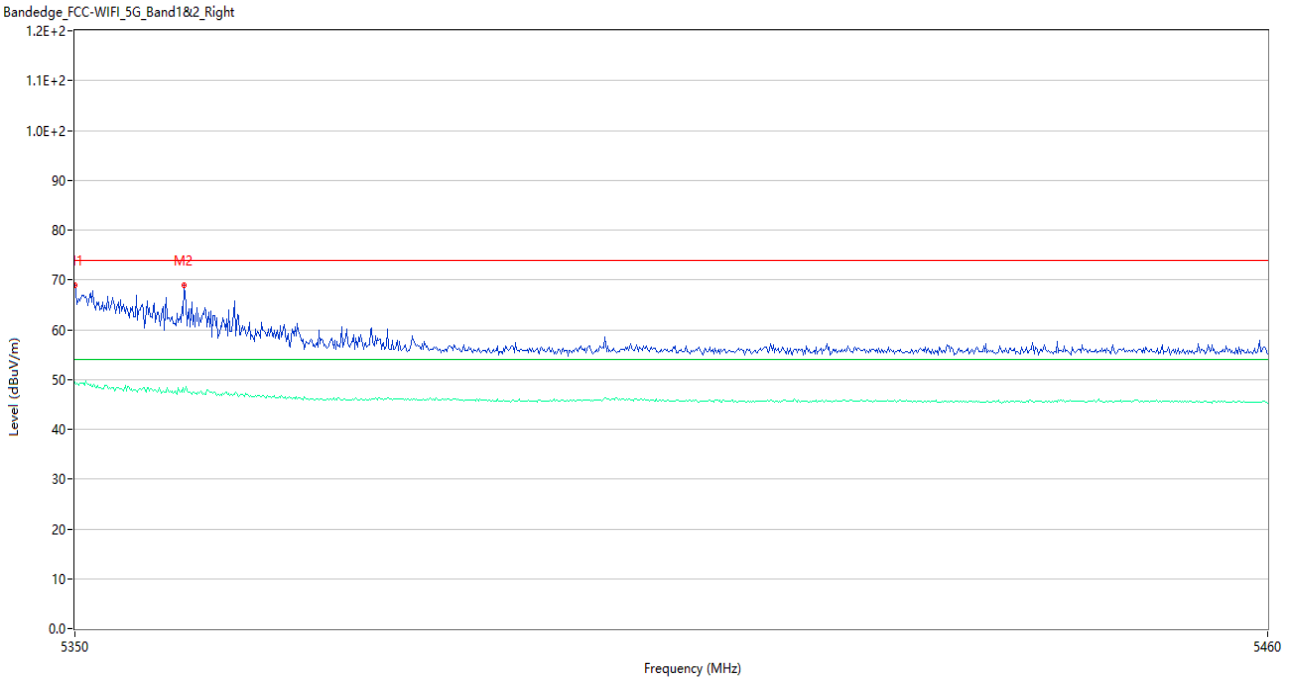
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.22	5.21	74.0	17.78	Peak	360.00	150	Vertical	Pass
1**	5150.000	45.90	5.21	54.0	8.10	AV	360.00	150	Vertical	Pass
2	5129.850	57.57	5.25	74.0	16.43	Peak	360.00	150	Vertical	Pass
2**	5129.850	45.80	5.25	54.0	8.20	AV	360.00	150	Vertical	Pass

U-NII-2A 11ac20 Low Channel ANT H



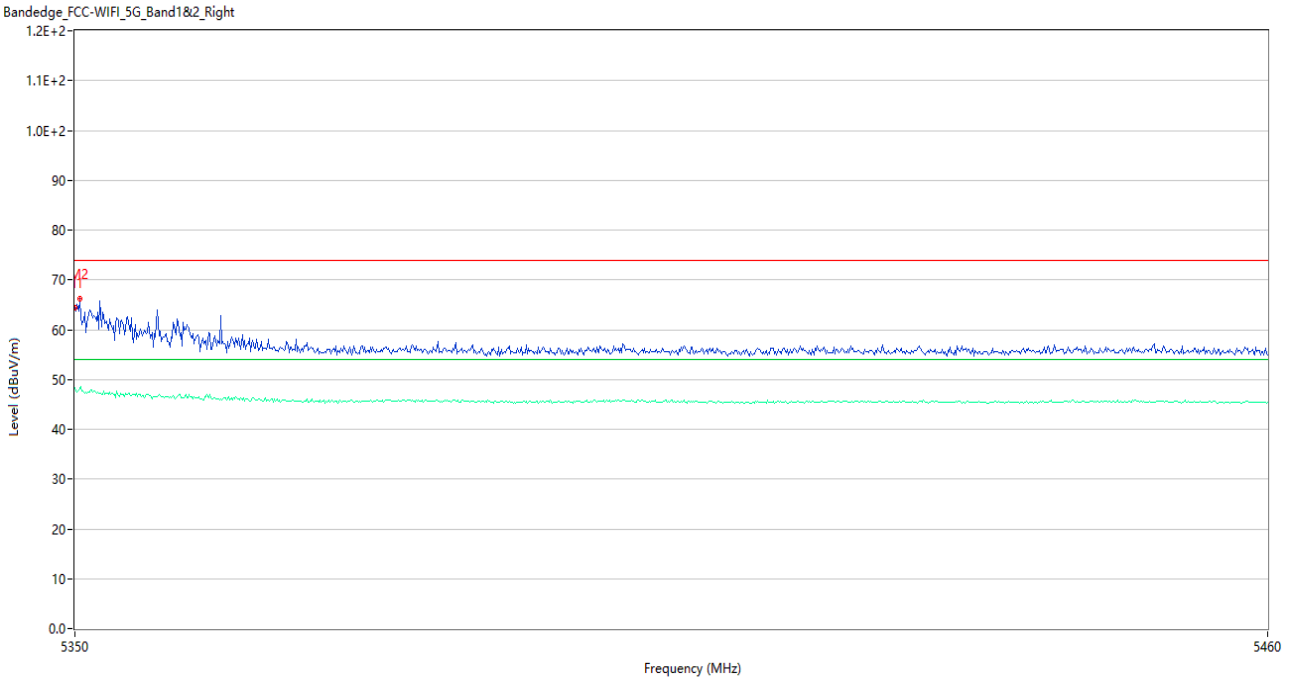
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.81	5.21	74.0	18.19	Peak	0.01	150	Horizontal	Pass
1**	5150.000	45.72	5.21	54.0	8.28	AV	0.01	150	Horizontal	Pass
2	4977.100	57.41	4.82	74.0	16.59	Peak	75.00	150	Horizontal	Pass
2**	4977.100	45.53	4.82	54.0	8.47	AV	75.00	150	Horizontal	Pass

U-NII-2A 11ac20 High Channel ANT V



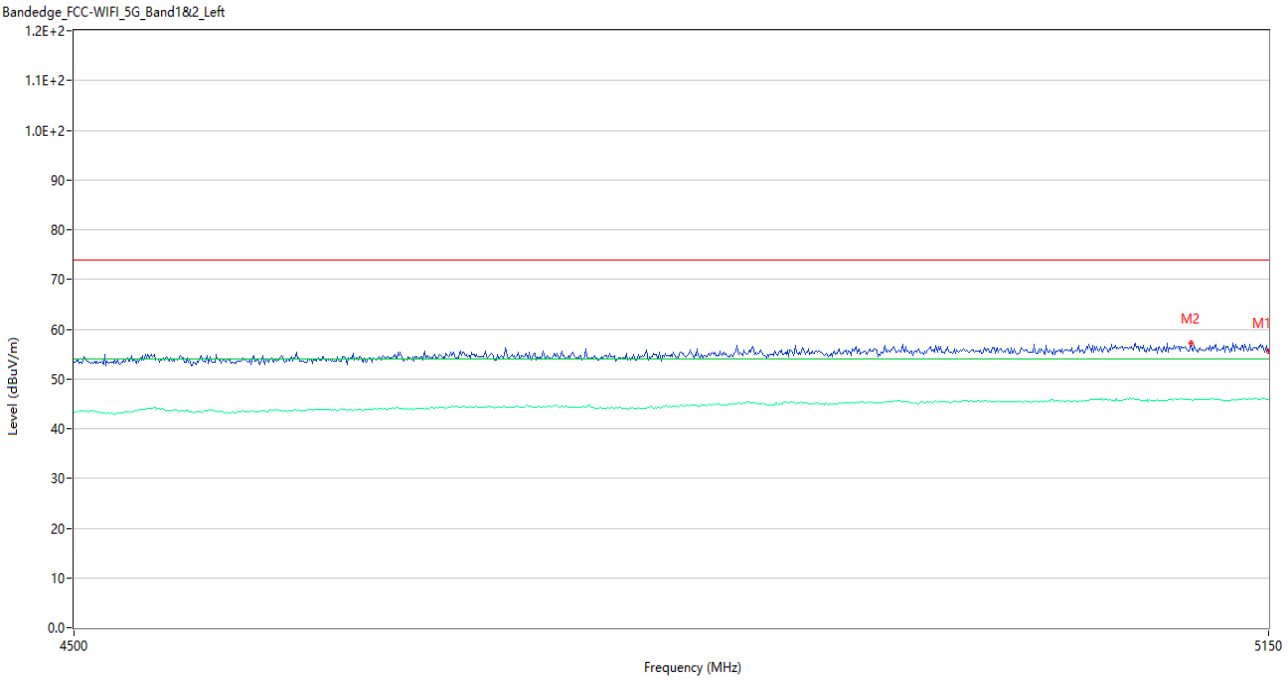
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	68.90	5.40	74.0	5.10	Peak	220.00	150	Vertical	Pass
1**	5350.000	48.53	5.40	54.0	5.47	AV	220.00	150	Vertical	Pass
2	5360.010	68.91	5.70	74.0	5.09	Peak	237.00	150	Vertical	Pass
2**	5360.010	47.35	5.70	54.0	6.65	AV	237.00	150	Vertical	Pass

U-NII-2A 11ac20 High Channel ANT H



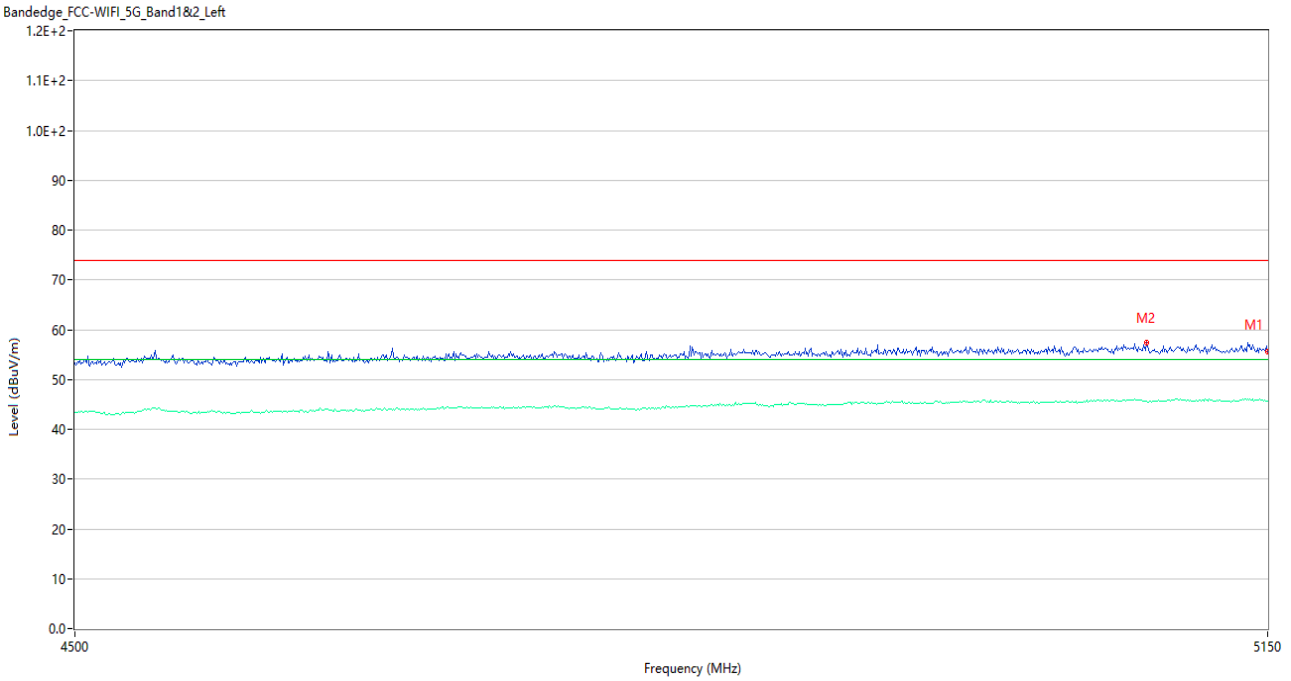
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	64.40	5.40	74.0	9.60	Peak	139.00	150	Horizontal	Pass
1**	5350.000	48.43	5.40	54.0	5.57	AV	139.00	150	Horizontal	Pass
2	5350.440	66.20	5.41	74.0	7.80	Peak	137.00	150	Horizontal	Pass
2**	5350.440	48.10	5.41	54.0	5.90	AV	137.00	150	Horizontal	Pass

U-NII-2A 11ac40 Low Channel ANT V



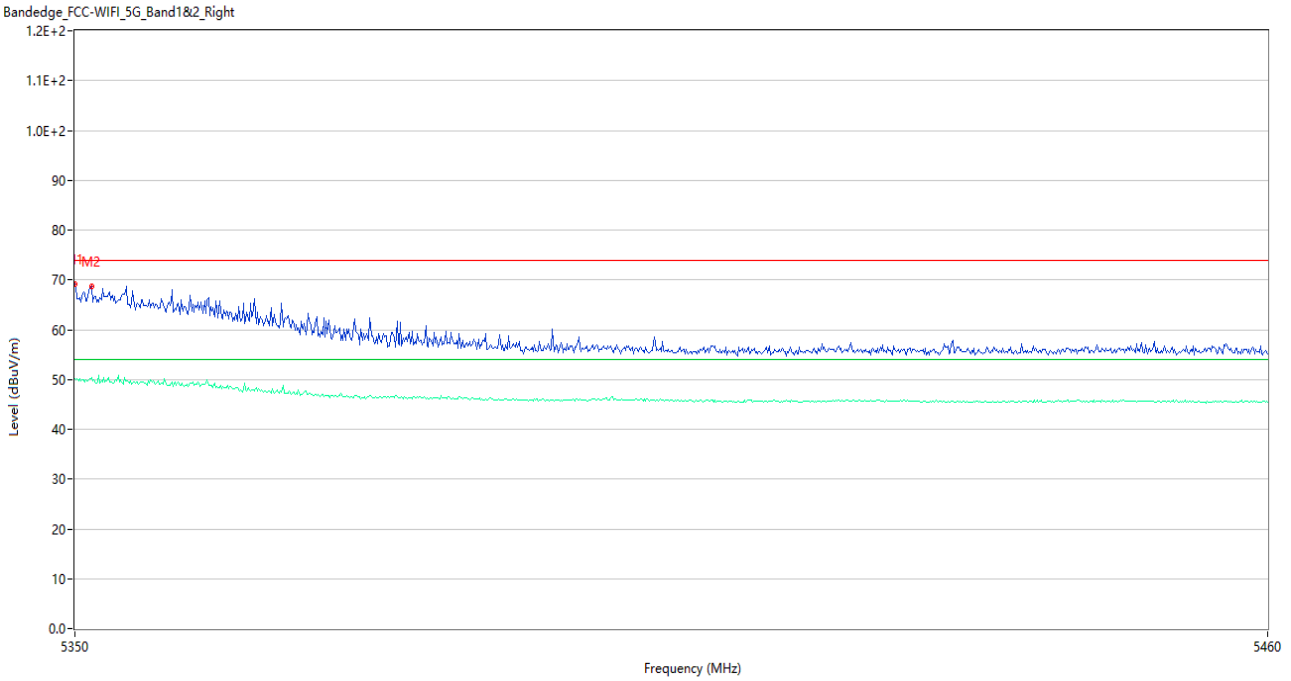
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.53	5.21	74.0	18.47	Peak	148.03	150	Vertical	Pass
1**	5150.000	45.96	5.21	54.0	8.04	AV	148.03	150	Vertical	Pass
2	5105.150	57.11	5.14	74.0	16.89	Peak	0.00	150	Vertical	Pass
2**	5105.150	45.77	5.14	54.0	8.23	AV	0.00	150	Vertical	Pass

U-NII-2A 11ac40 Low Channel ANT H



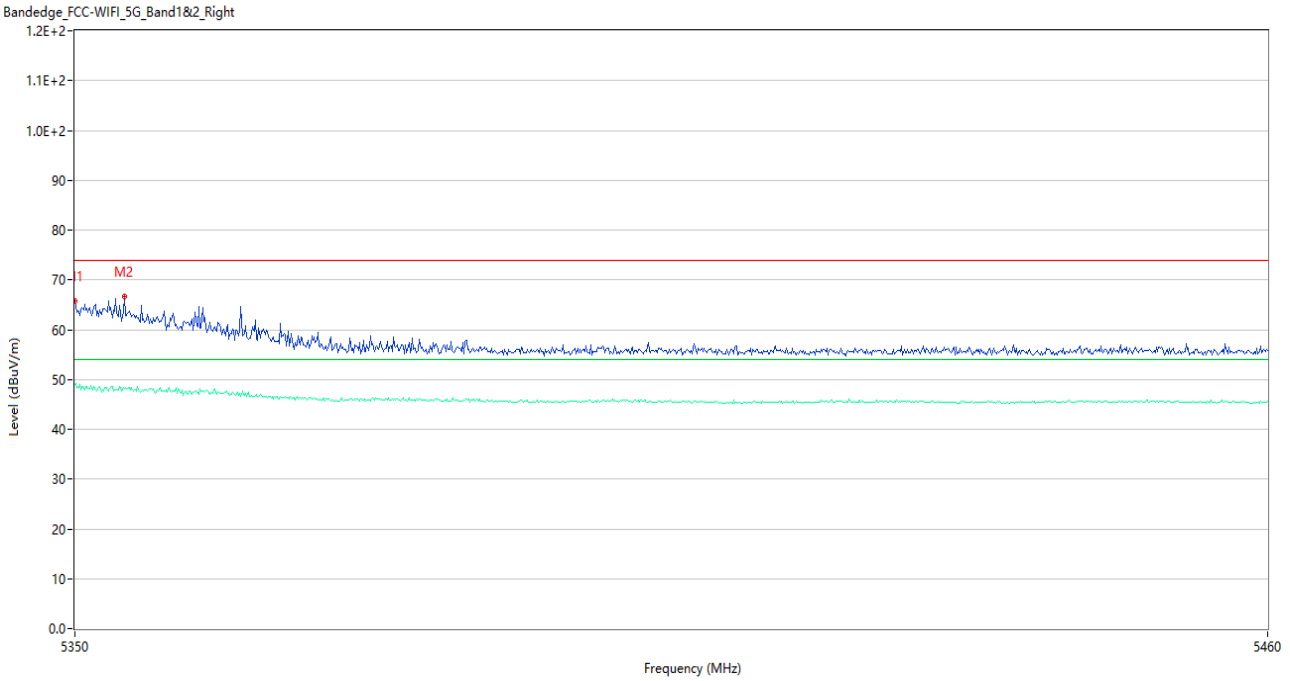
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.63	5.21	74.0	18.37	Peak	130.01	150	Horizontal	Pass
1**	5150.000	45.75	5.21	54.0	8.25	AV	130.01	150	Horizontal	Pass
2	5079.800	57.48	4.94	74.0	16.52	Peak	118.00	150	Horizontal	Pass
2**	5079.800	45.66	4.94	54.0	8.34	AV	118.00	150	Horizontal	Pass

U-NII-2A 11ac40 High Channel ANT V



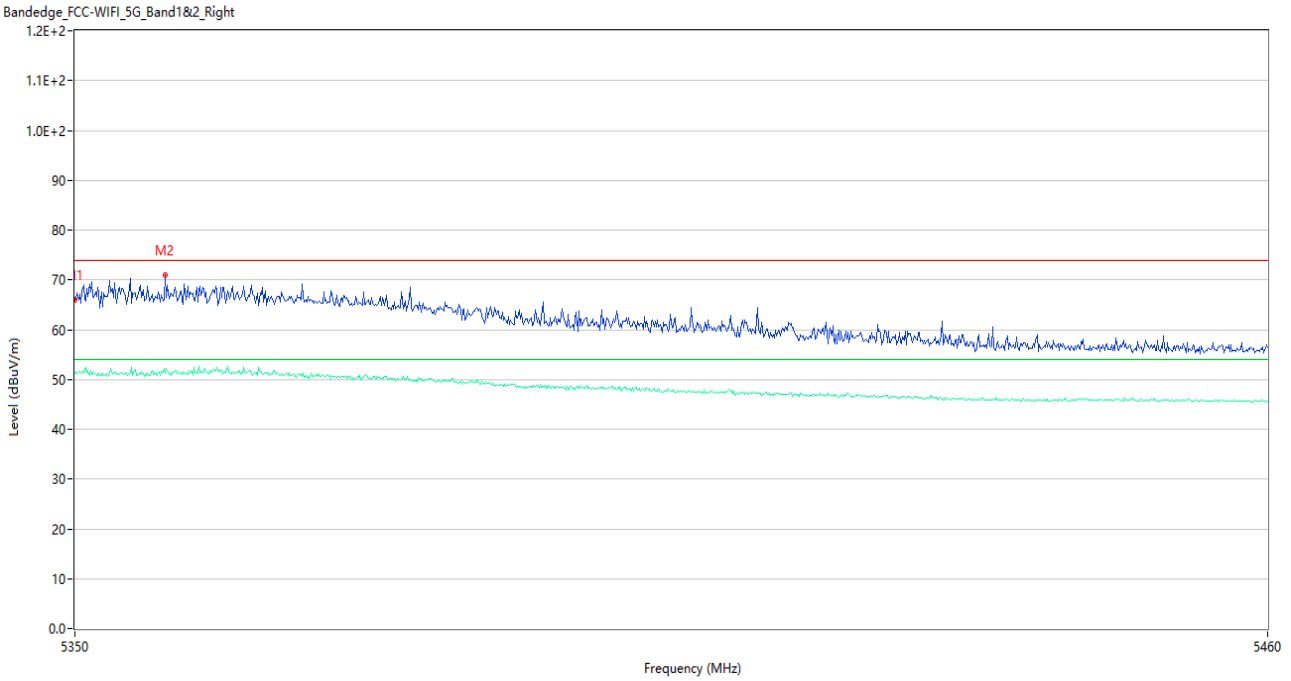
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	69.20	5.40	74.0	4.80	Peak	253.00	150	Vertical	Pass
1**	5350.000	50.08	5.40	54.0	3.92	AV	253.00	150	Vertical	Pass
2	5351.540	68.62	5.44	74.0	5.38	Peak	253.00	150	Vertical	Pass
2**	5351.540	50.37	5.44	54.0	3.63	AV	253.00	150	Vertical	Pass

U-NII-2A 11ac40 High Channel ANT H



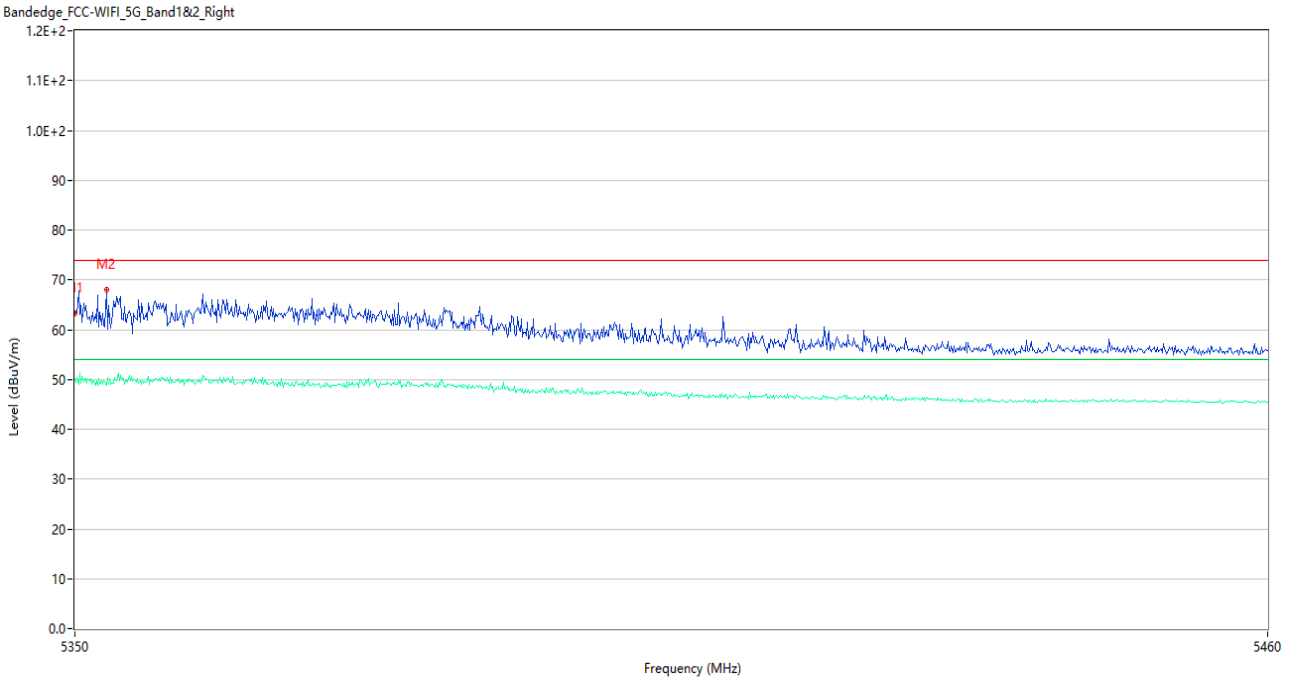
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.77	5.40	74.0	8.23	Peak	145.00	150	Horizontal	Pass
1**	5350.000	48.98	5.40	54.0	5.02	AV	145.00	150	Horizontal	Pass
2	5354.510	66.62	5.52	74.0	7.38	Peak	147.00	150	Horizontal	Pass
2**	5354.510	48.18	5.52	54.0	5.82	AV	147.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel ANT V



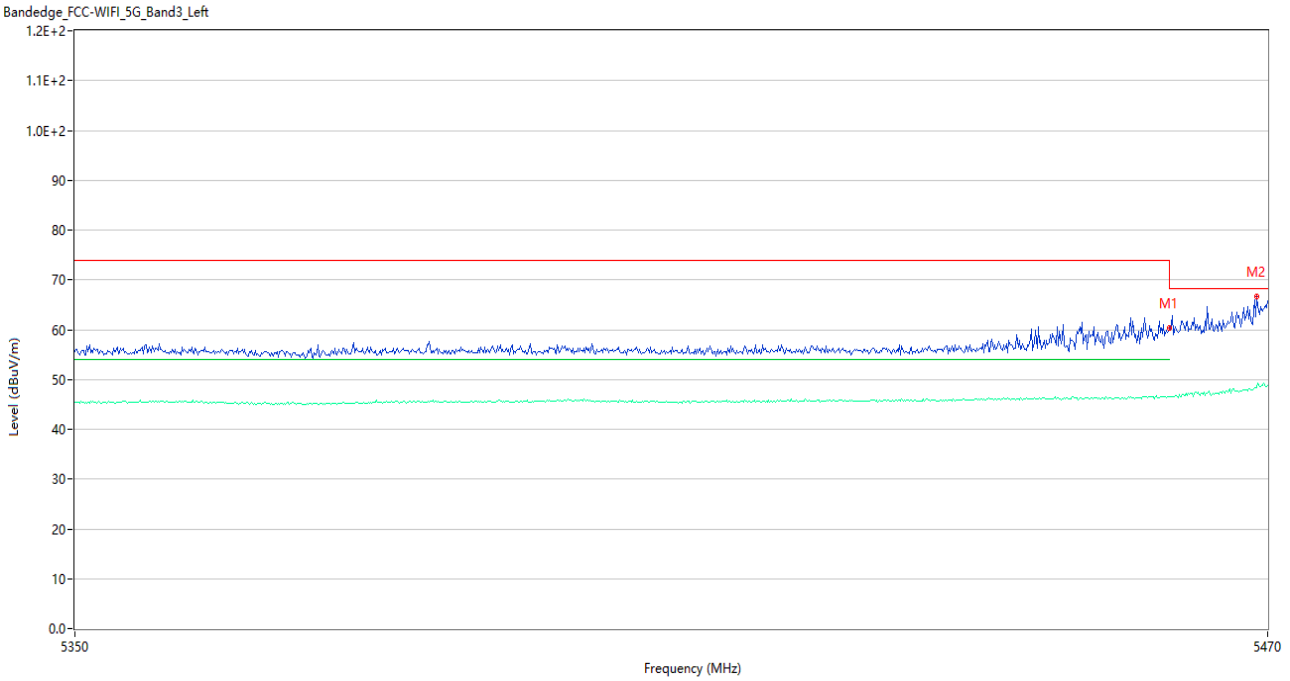
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.90	5.40	74.0	8.10	Peak	250.00	150	Vertical	Pass
1**	5350.000	51.23	5.40	54.0	2.77	AV	250.00	150	Vertical	Pass
2	5358.250	71.00	5.65	74.0	3.00	Peak	250.00	150	Vertical	Pass
2**	5358.250	51.31	5.65	54.0	2.69	AV	250.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel ANT H



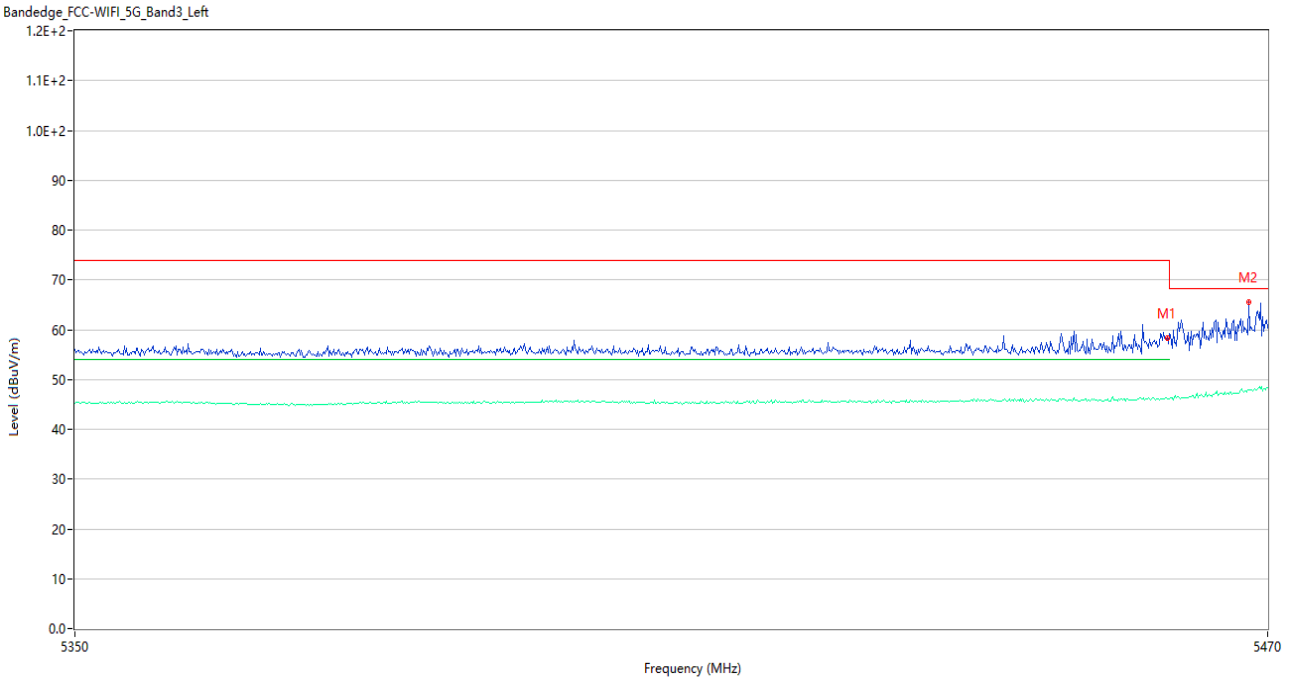
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.25	5.40	74.0	10.75	Peak	93.00	150	Horizontal	Pass
1**	5350.000	50.07	5.40	54.0	3.93	AV	93.00	150	Horizontal	Pass
2	5352.860	68.13	5.47	74.0	5.87	Peak	136.00	150	Horizontal	Pass
2**	5352.860	48.85	5.47	54.0	5.15	AV	136.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel ANT V



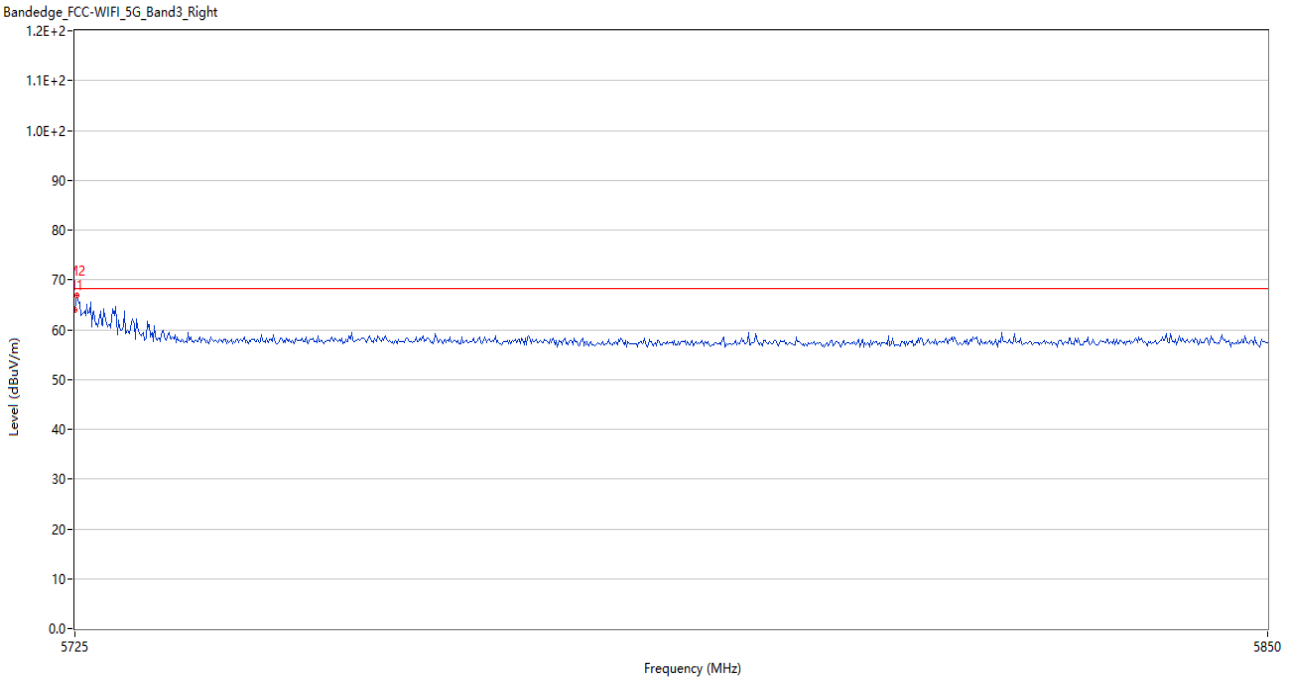
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	60.15	5.38	68.2	8.05	Peak	290.34	150	Vertical	Pass
1**	5460.000	46.63	5.38	54.0	7.37	AV	290.34	150	Vertical	Pass
2	5468.920	66.56	5.80	68.2	1.64	Peak	240.00	150	Vertical	Pass
2**	5468.920	48.33	5.80	--	-48.33	AV	240.00	150	Vertical	N/A

U-NII-2C 11a Low Channel ANT H



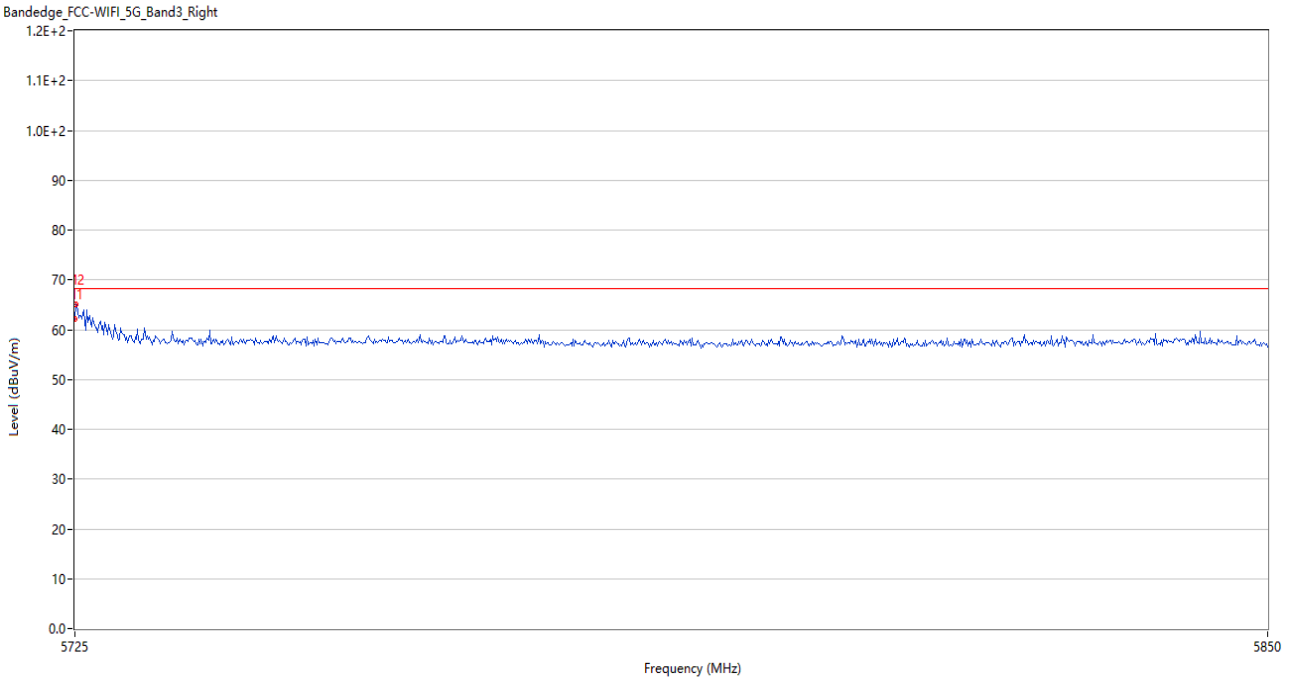
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.48	5.38	68.2	9.72	Peak	170.40	150	Horizontal	Pass
1**	5460.000	46.13	5.38	54.0	7.87	AV	170.40	150	Horizontal	Pass
2	5468.080	65.48	5.73	68.2	2.72	Peak	88.00	150	Horizontal	Pass
2**	5468.080	47.86	5.73	--	-47.86	AV	88.00	150	Horizontal	N/A

U-NII-2C 11a High Channel ANT V



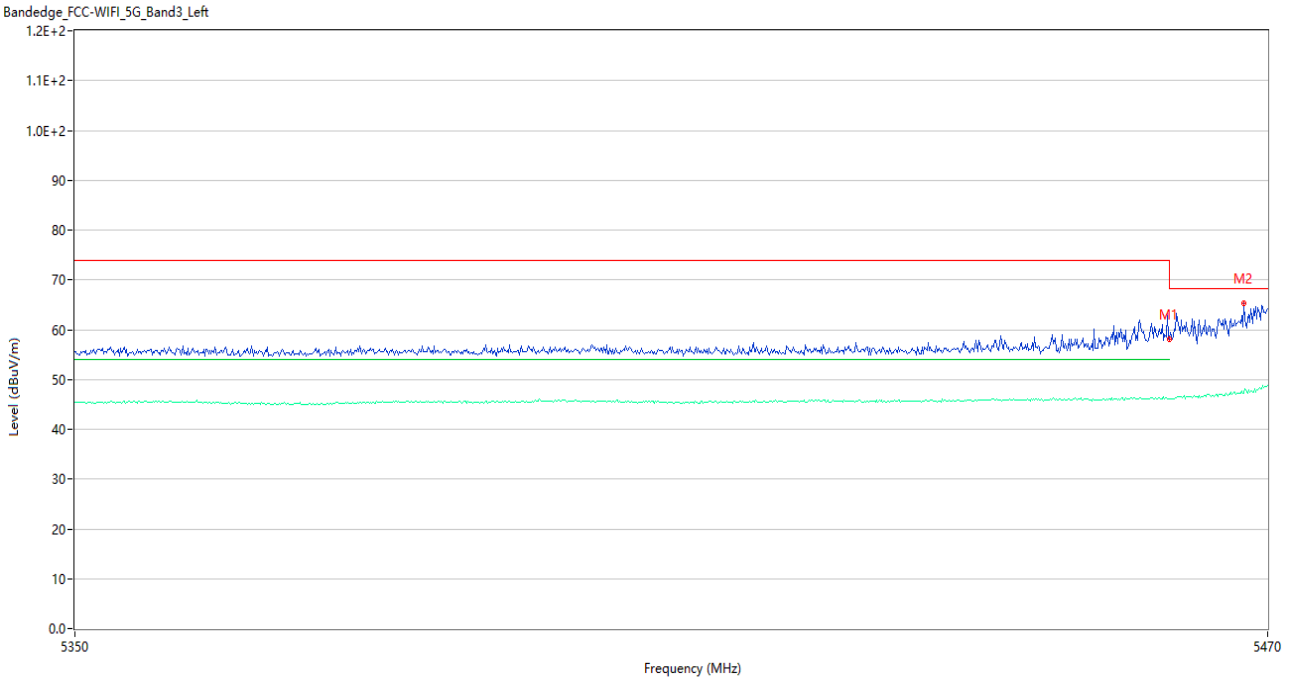
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.03	6.57	68.2	4.17	Peak	280.00	150	Vertical	Pass
2	5725.250	66.93	6.56	68.2	1.27	Peak	306.00	150	Vertical	Pass

U-NII-2C 11a High Channel ANT H



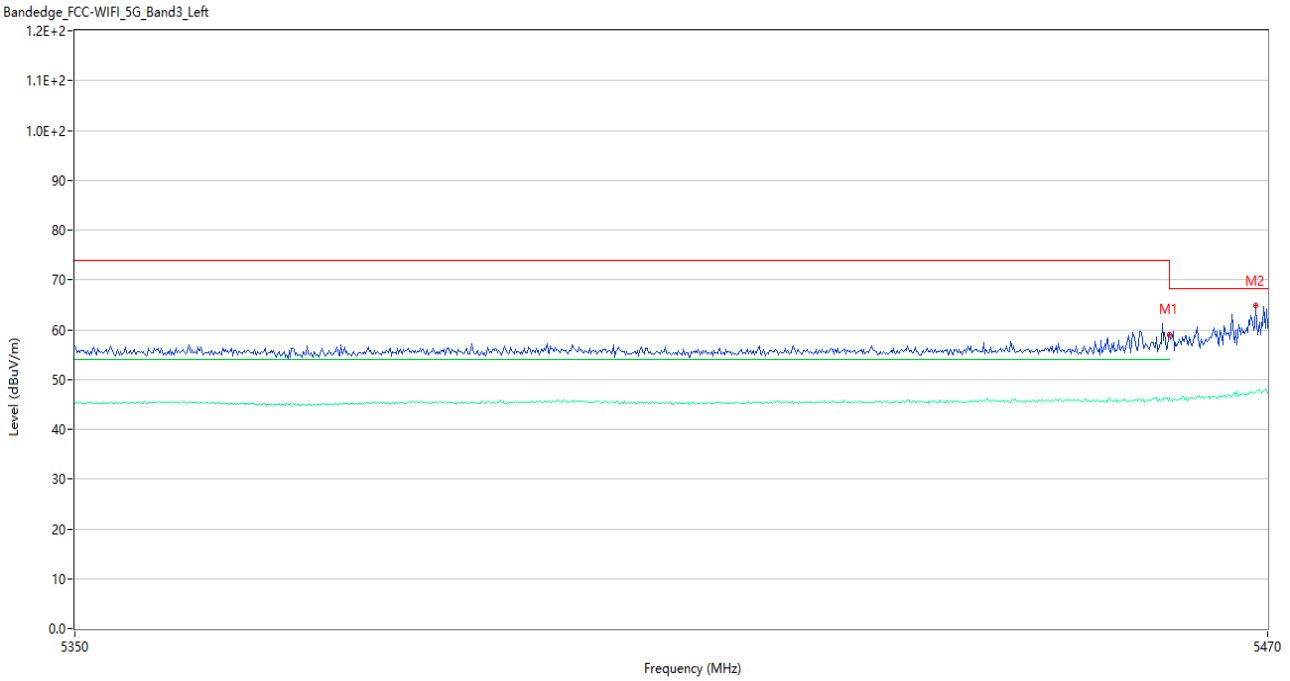
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.05	6.57	68.2	6.15	Peak	141.00	150	Horizontal	Pass
2	5725.125	64.98	6.57	68.2	3.22	Peak	145.00	150	Horizontal	Pass

U-NII-2C 11ac20 Low Channel ANT V



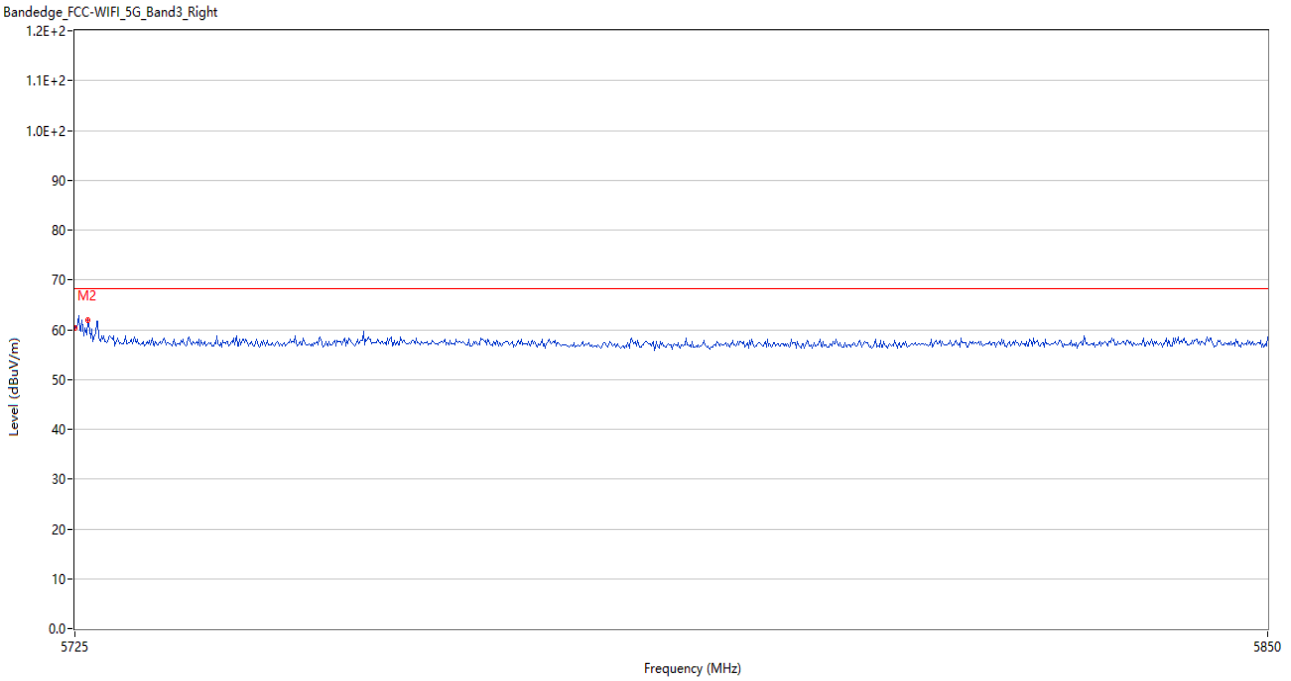
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.10	5.38	68.2	10.10	Peak	248.64	150	Vertical	Pass
1**	5460.000	46.12	5.38	54.0	7.88	AV	248.64	150	Vertical	Pass
2	5467.600	65.23	5.69	68.2	2.97	Peak	262.00	150	Vertical	Pass
2**	5467.600	47.15	5.69	--	-47.15	AV	262.00	150	Vertical	N/A

U-NII-2C 11ac20 Low Channel ANT H



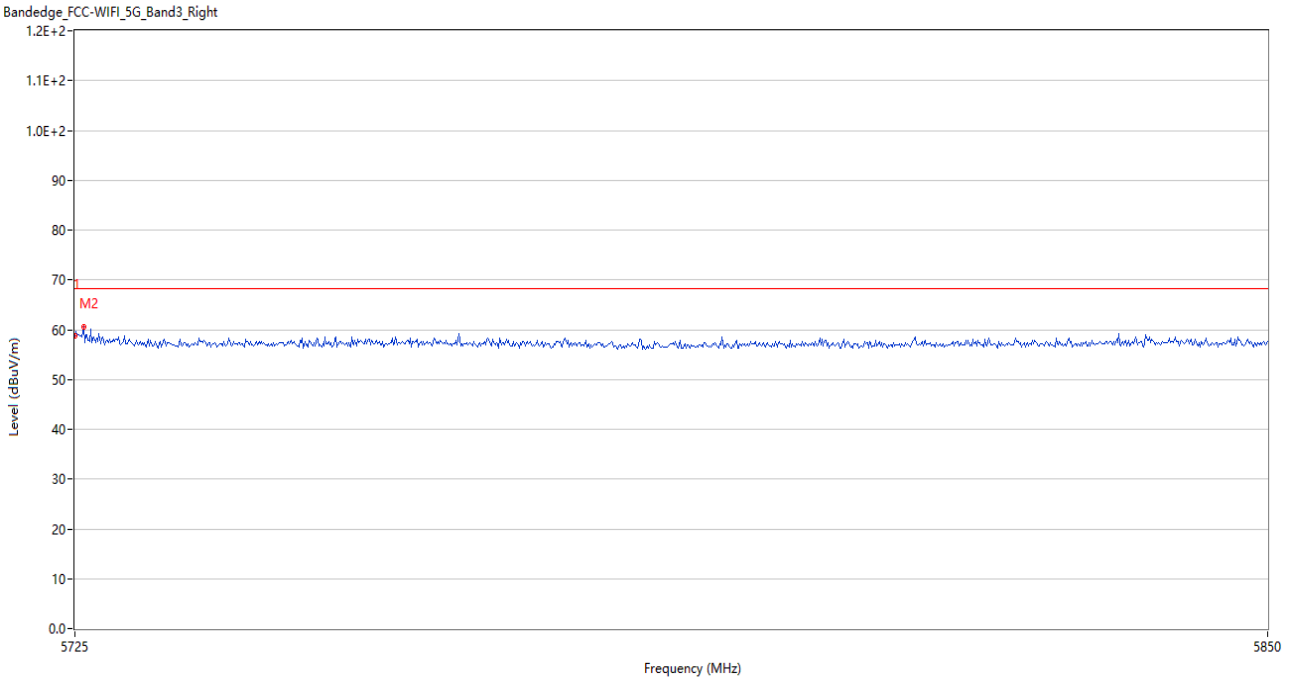
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.87	5.38	68.2	9.33	Peak	104.37	150	Horizontal	Pass
1**	5460.000	46.07	5.38	54.0	7.93	AV	104.37	150	Horizontal	Pass
2	5468.800	64.87	5.79	68.2	3.33	Peak	147.00	150	Horizontal	Pass
2**	5468.800	47.56	5.79	--	-47.56	AV	147.00	150	Horizontal	N/A

U-NII-2C 11ac20 High Channel ANT V



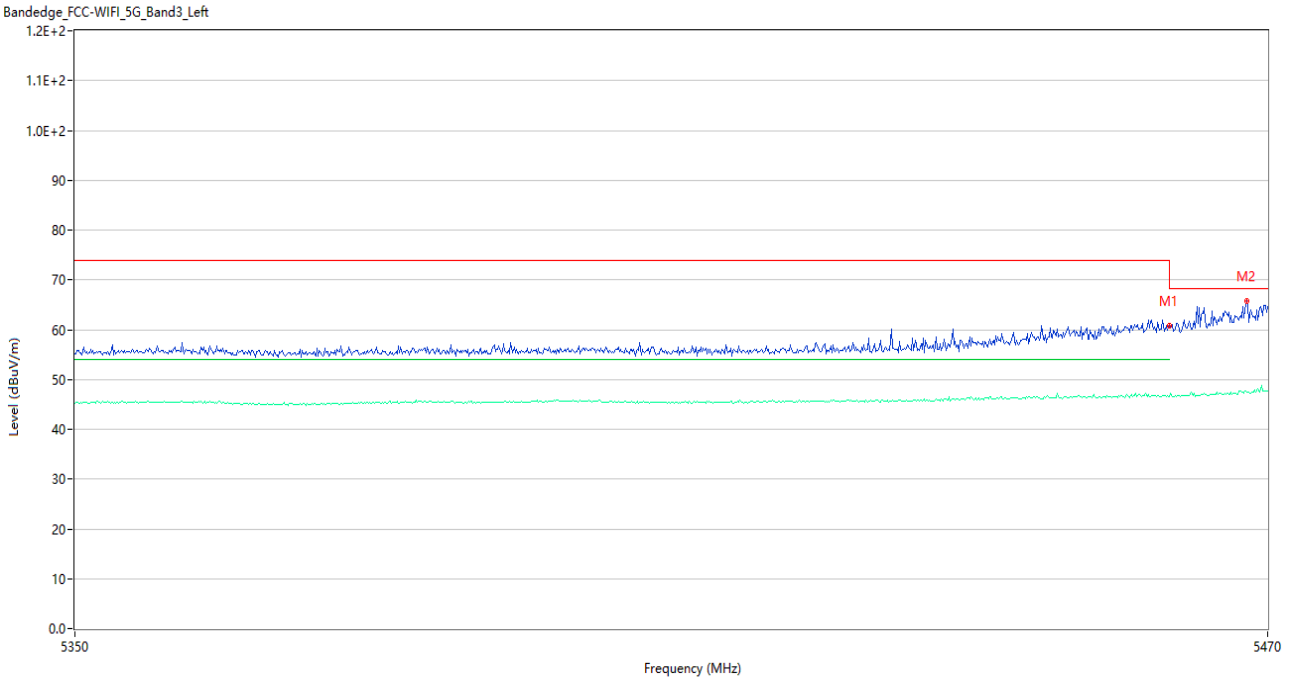
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.31	6.57	68.2	6.89	Peak	337.00	150	Vertical	Pass
2	5726.375	61.83	6.54	68.2	6.37	Peak	289.00	150	Vertical	Pass

U-NII-2C 11ac20 High Channel ANT H



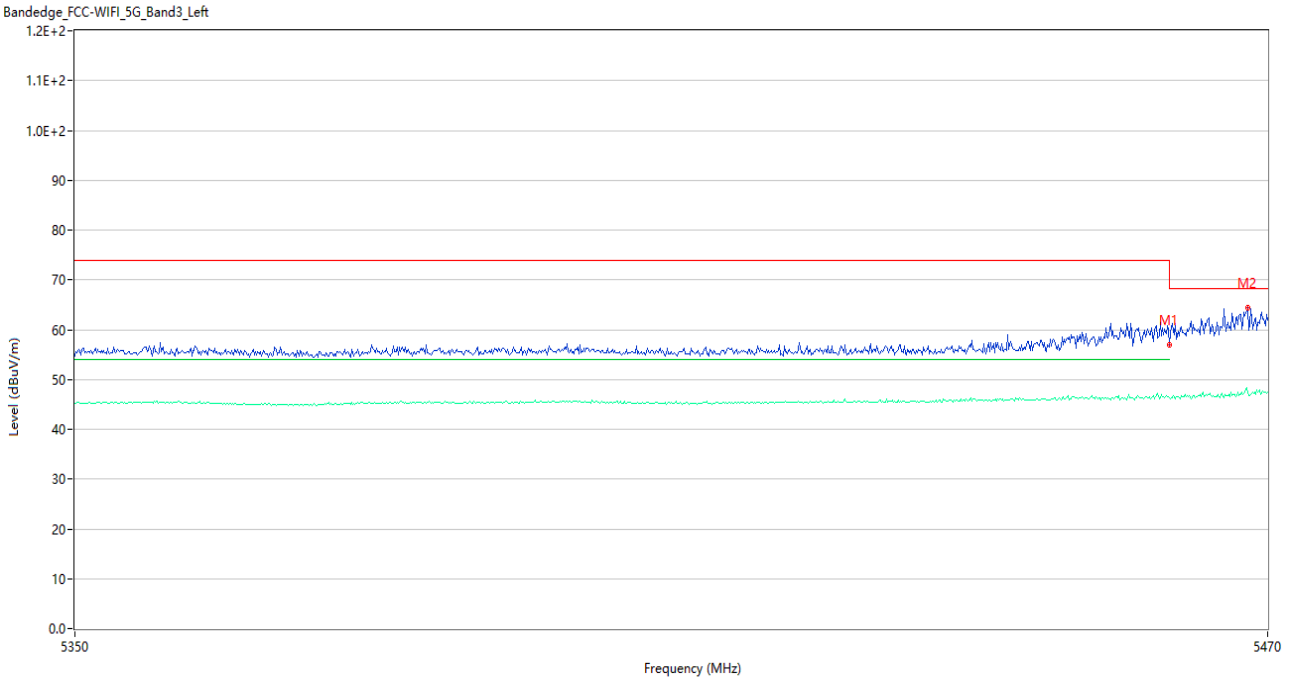
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.17	6.57	68.2	8.03	Peak	80.00	150	Horizontal	Pass
2	5725.875	61.52	6.55	68.2	6.68	Peak	131.00	150	Horizontal	Pass

U-NII-2C 11ac40 Low Channel ANT V



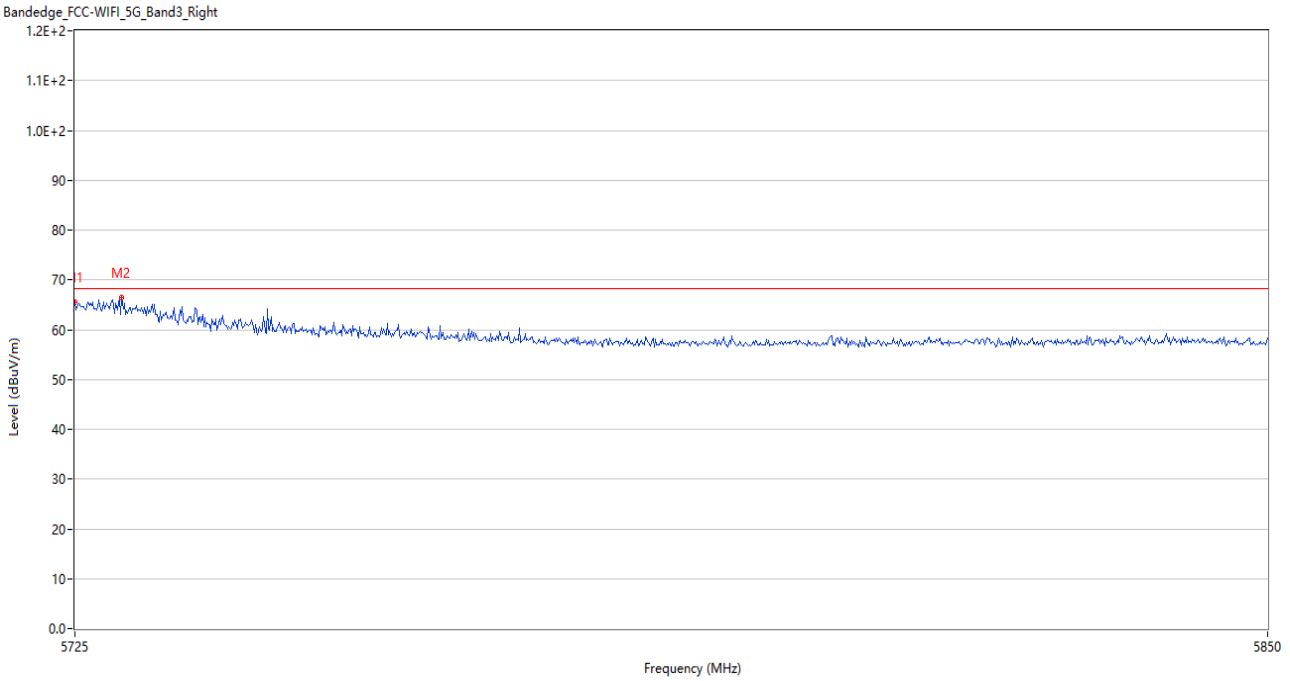
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	60.24	5.38	68.2	7.96	Peak	229.31	150	Vertical	Pass
1**	5460.000	46.36	5.38	54.0	7.64	AV	229.31	150	Vertical	Pass
2	5467.840	65.66	5.71	68.2	2.54	Peak	244.00	150	Vertical	Pass
2**	5467.840	47.45	5.71	--	-47.45	AV	244.00	150	Vertical	N/A

U-NII-2C 11ac40 Low Channel ANT H



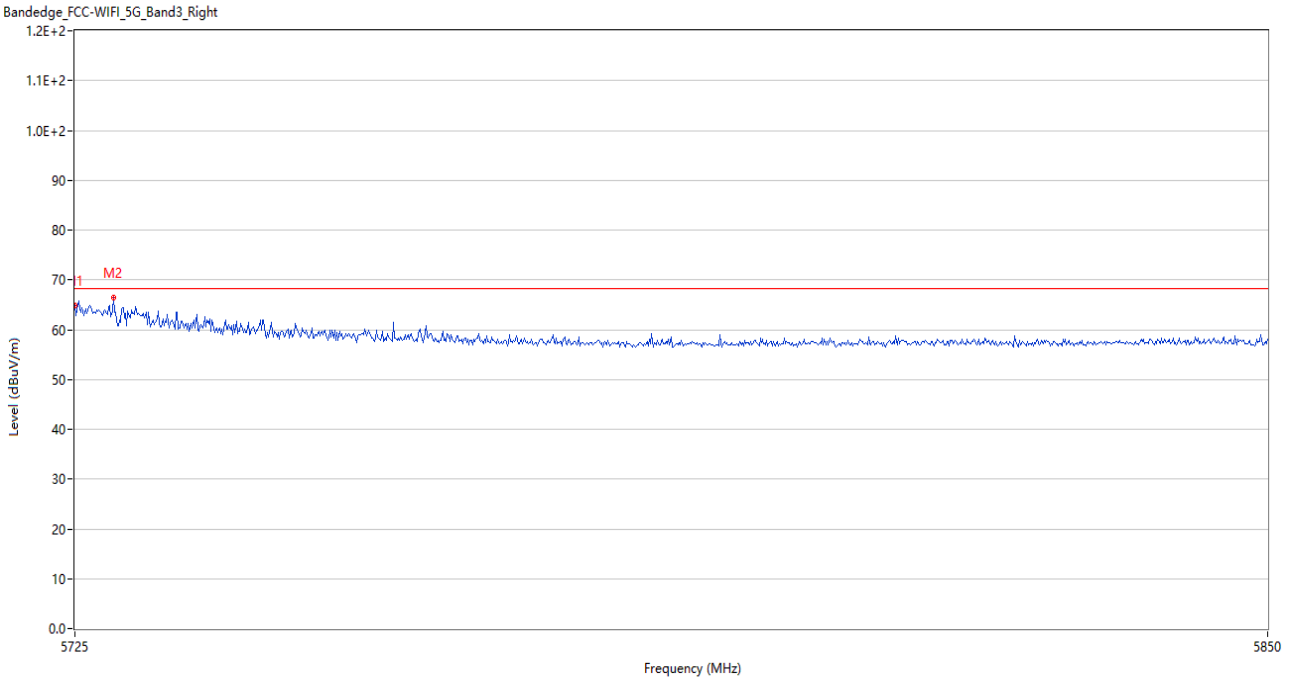
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	57.92	5.38	68.2	10.28	Peak	189.95	150	Horizontal	Pass
1**	5460.000	46.45	5.38	54.0	7.55	AV	189.95	150	Horizontal	Pass
2	5467.960	64.36	5.72	68.2	3.84	Peak	137.00	150	Horizontal	Pass
2**	5467.960	47.52	5.72	--	-47.52	AV	137.00	150	Horizontal	N/A

U-NII-2C 11ac40 High Channel ANT V



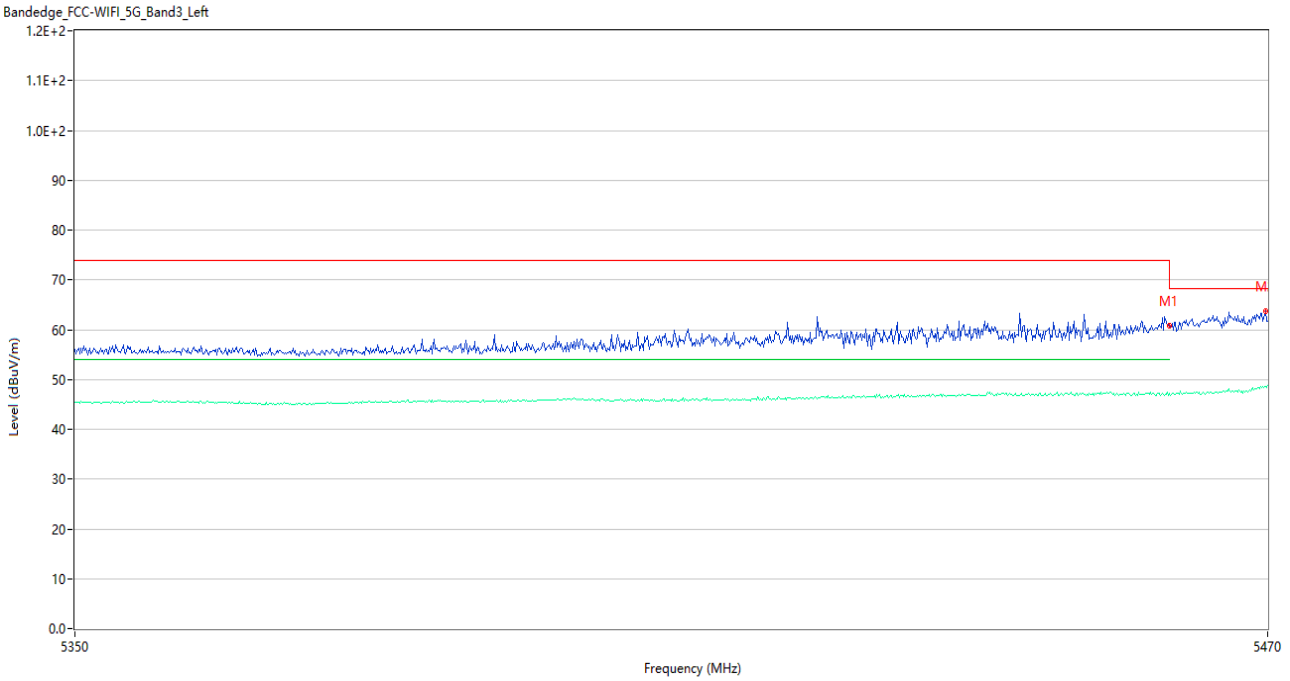
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.51	6.57	68.2	2.69	Peak	262.00	150	Vertical	Pass
2	5729.875	66.43	6.37	68.2	1.77	Peak	250.00	150	Vertical	Pass

U-NII-2C 11ac40 High Channel ANT H



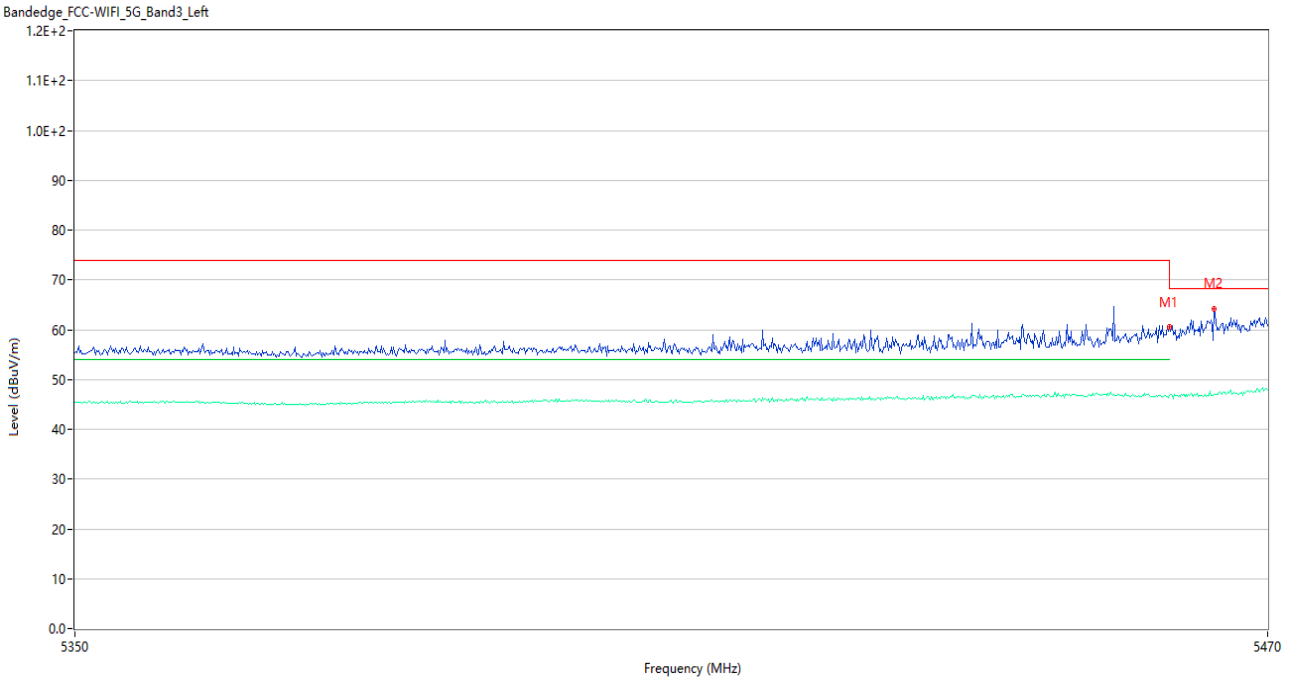
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.81	6.57	68.2	3.39	Peak	142.00	150	Horizontal	Pass
2	5729.000	66.38	6.42	68.2	1.82	Peak	142.00	150	Horizontal	Pass

U-NII-2C 11ac80 Low Channel ANT V



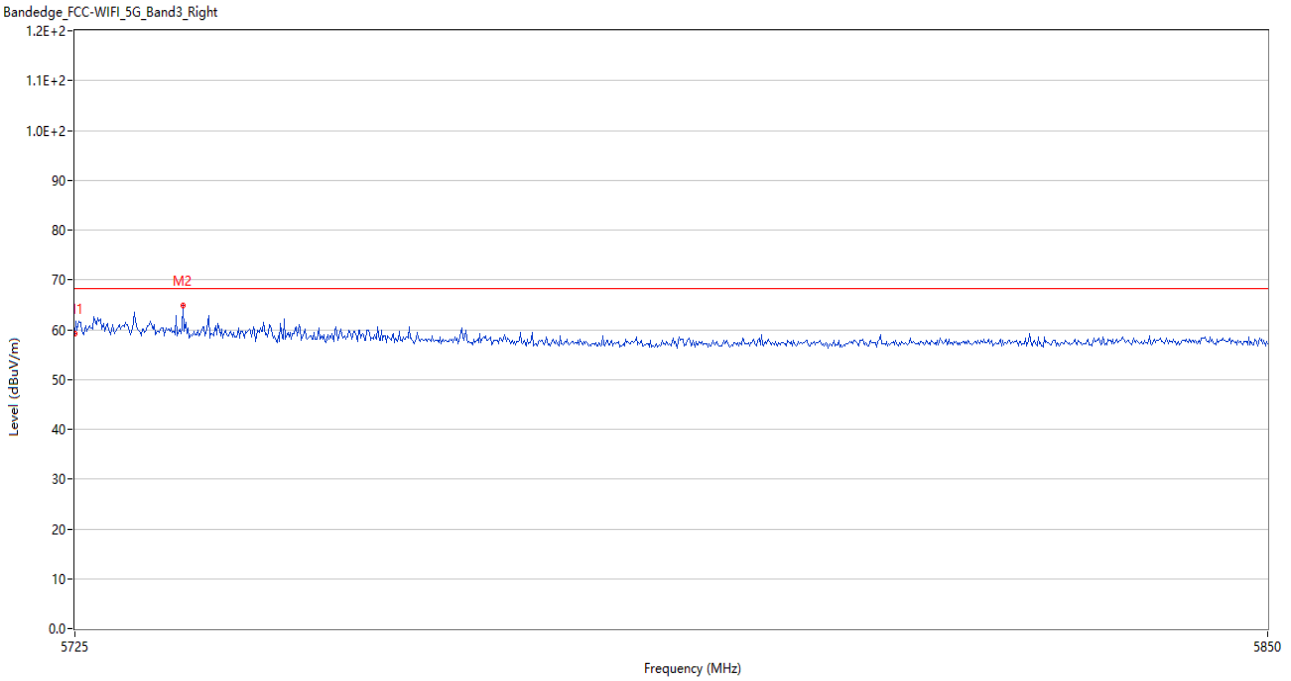
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	60.84	5.38	68.2	7.36	Peak	240.00	150	Vertical	Pass
1**	5460.000	47.03	5.38	54.0	6.97	AV	240.00	150	Vertical	Pass
2	5469.760	63.70	5.80	68.2	4.50	Peak	220.00	150	Vertical	Pass
2**	5469.760	48.52	5.80	--	-48.52	AV	220.00	150	Vertical	N/A

U-NII-2C 11ac80 Low Channel ANT H



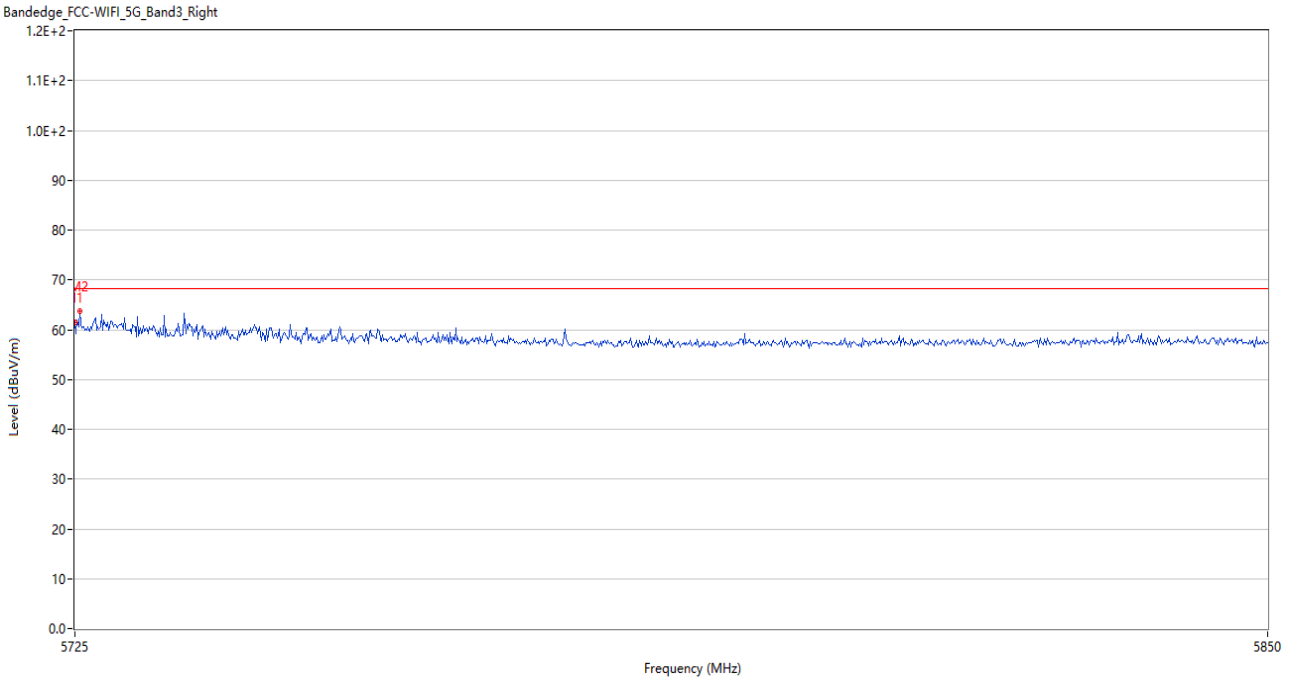
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	60.25	5.38	68.2	7.95	Peak	117.63	150	Horizontal	Pass
1**	5460.000	46.63	5.38	54.0	7.37	AV	117.63	150	Horizontal	Pass
2	5464.600	64.12	5.57	68.2	4.08	Peak	123.00	150	Horizontal	Pass
2**	5464.600	46.97	5.57	--	-46.97	AV	123.00	150	Horizontal	N/A

U-NII-2C 11ac80 High Channel ANT V



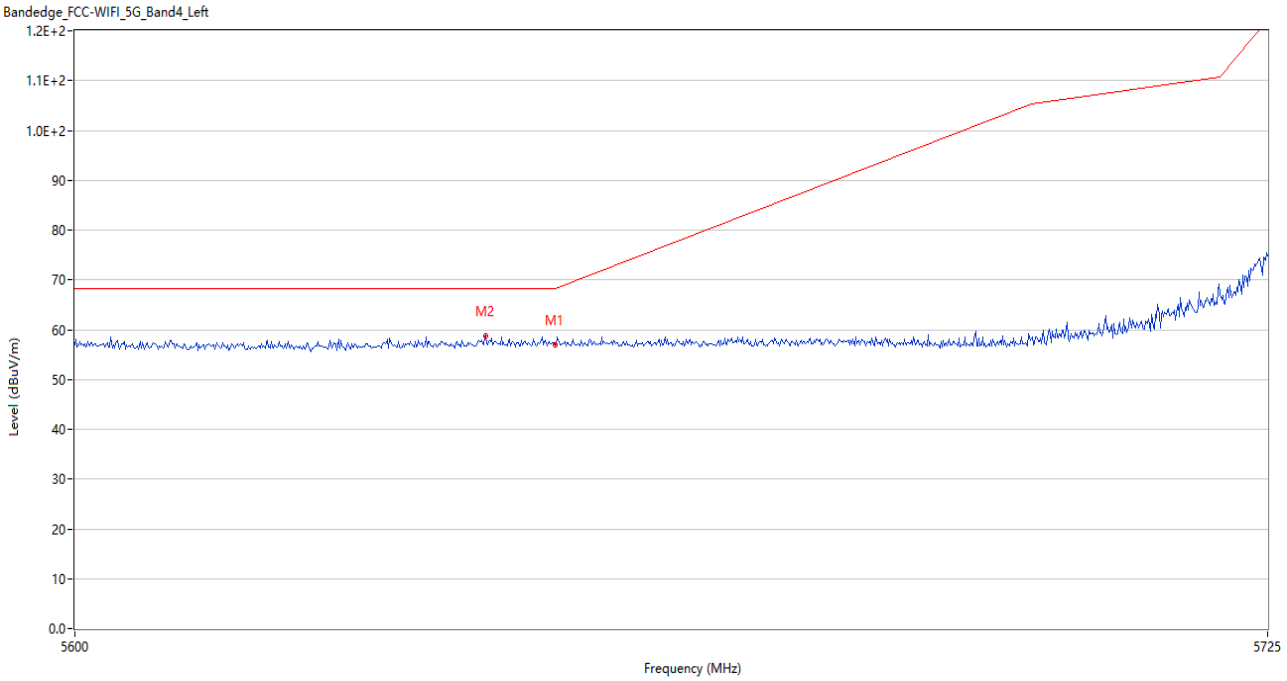
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	59.16	6.57	68.2	9.04	Peak	135.00	150	Vertical	Pass
2	5736.250	64.81	6.30	68.2	3.39	Peak	135.00	150	Vertical	Pass

U-NII-2C 11ac80 High Channel ANT H



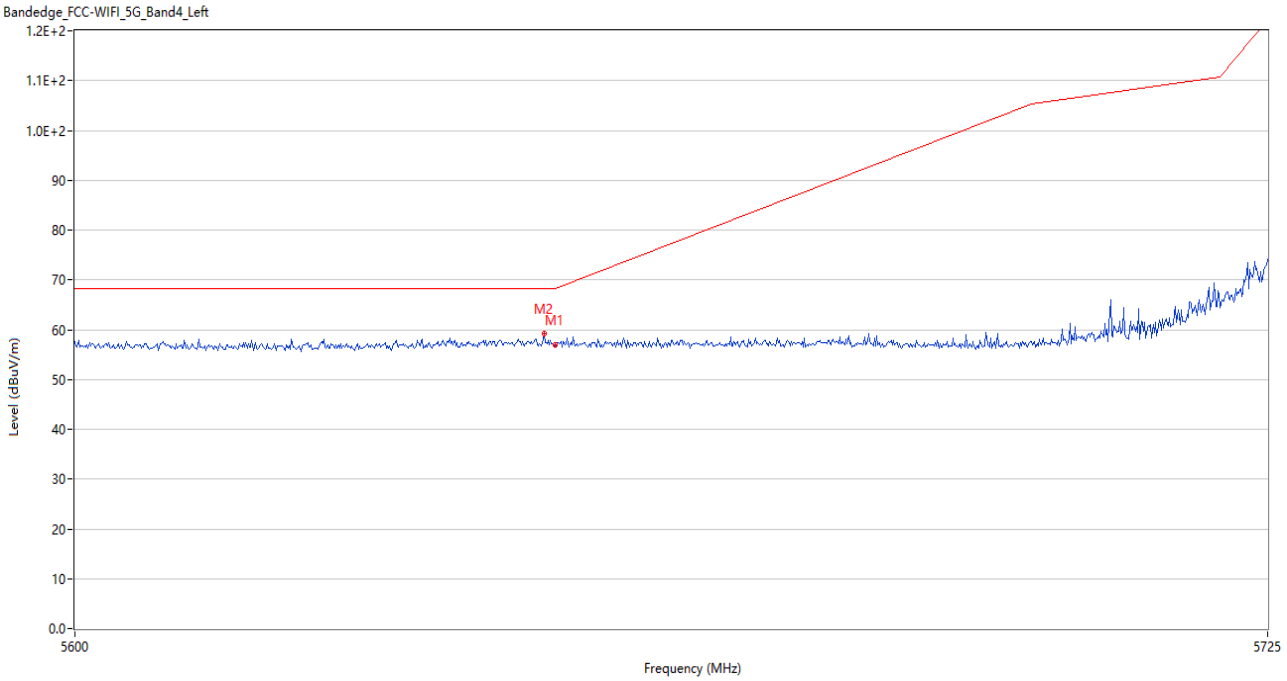
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.48	6.57	68.2	6.72	Peak	85.00	150	Horizontal	Pass
2	5725.500	63.75	6.56	68.2	4.45	Peak	139.00	150	Horizontal	Pass

U-NII-3 11a Low Channel ANT V



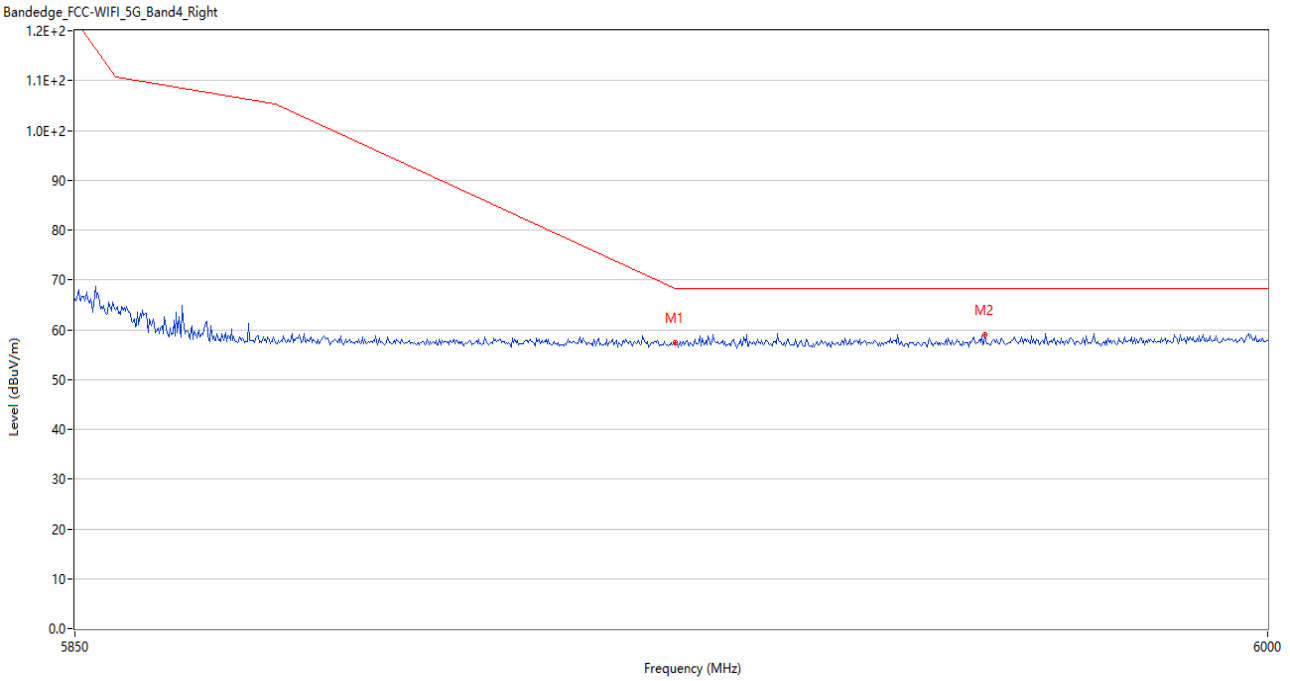
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.01	5.94	68.2	11.19	Peak	233.05	150	Vertical	Pass
2	5642.750	58.82	5.99	68.2	9.38	Peak	204.00	150	Vertical	Pass

U-NII-3 11a Low Channel ANT H



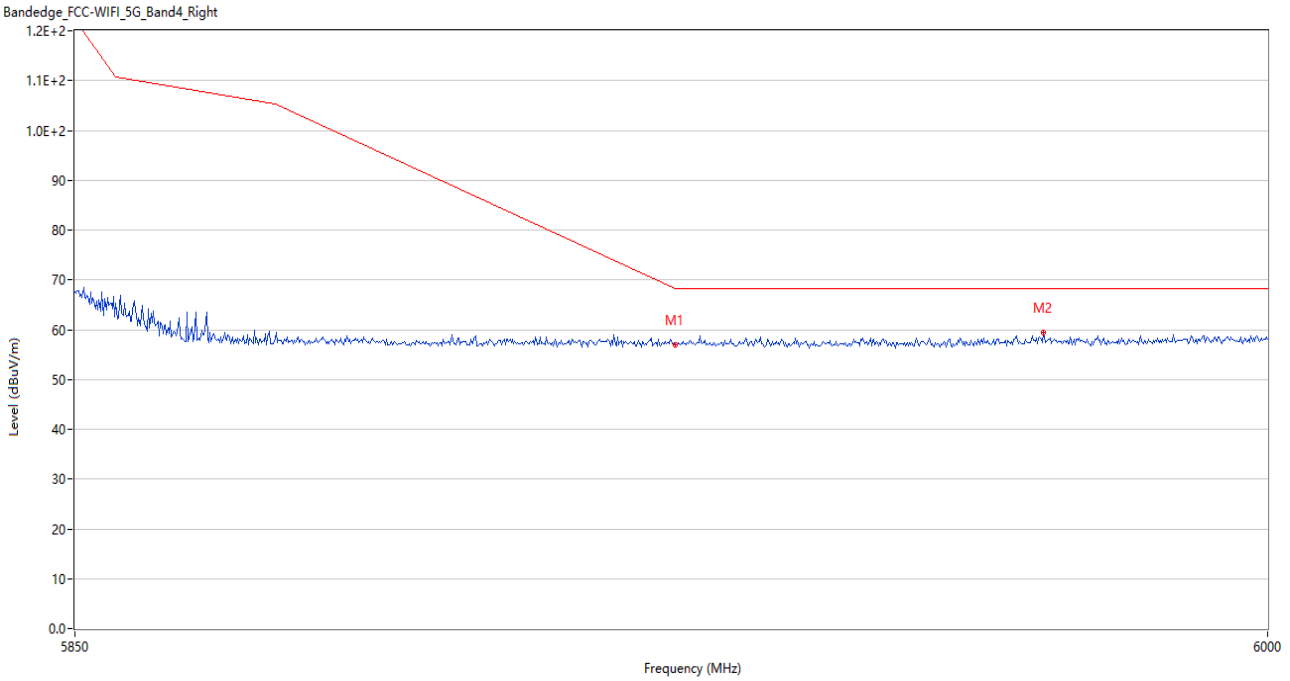
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	56.85	5.94	68.2	11.35	Peak	279.84	150	Horizontal	Pass
2	5648.875	59.12	5.96	68.2	9.08	Peak	83.00	150	Horizontal	Pass

U-NII-3 11a High Channel ANT V



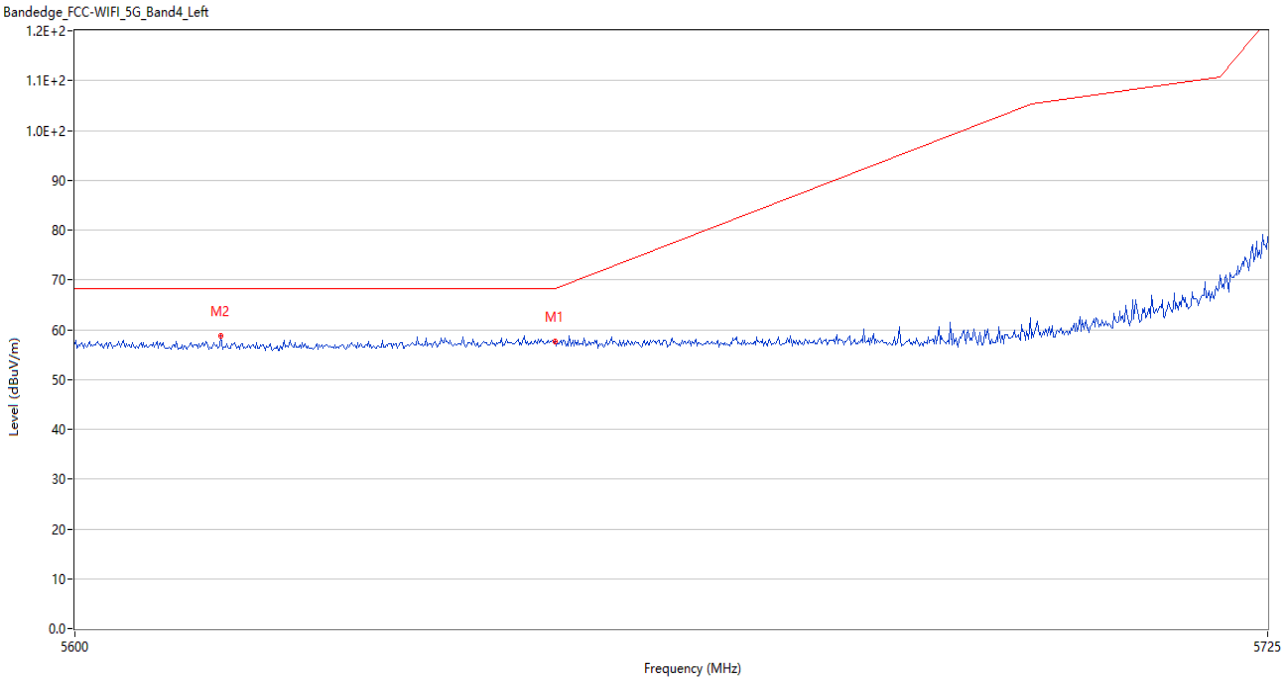
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.39	7.83	68.2	10.81	Peak	74.90	150	Vertical	Pass
2	5964.150	58.96	7.38	68.2	9.24	Peak	343.00	150	Vertical	Pass

U-NII-3 11a High Channel ANT H



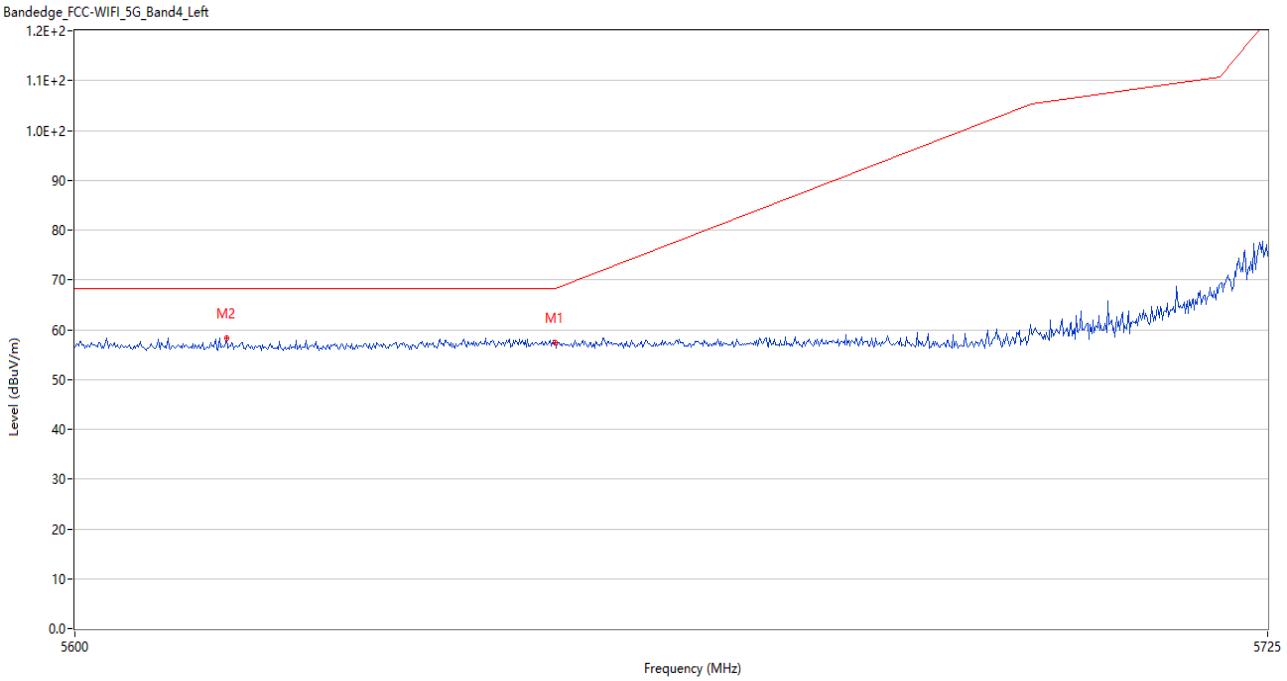
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.02	7.83	68.2	11.18	Peak	138.00	150	Horizontal	Pass
2	5971.500	59.37	7.56	68.2	8.83	Peak	151.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel ANT V



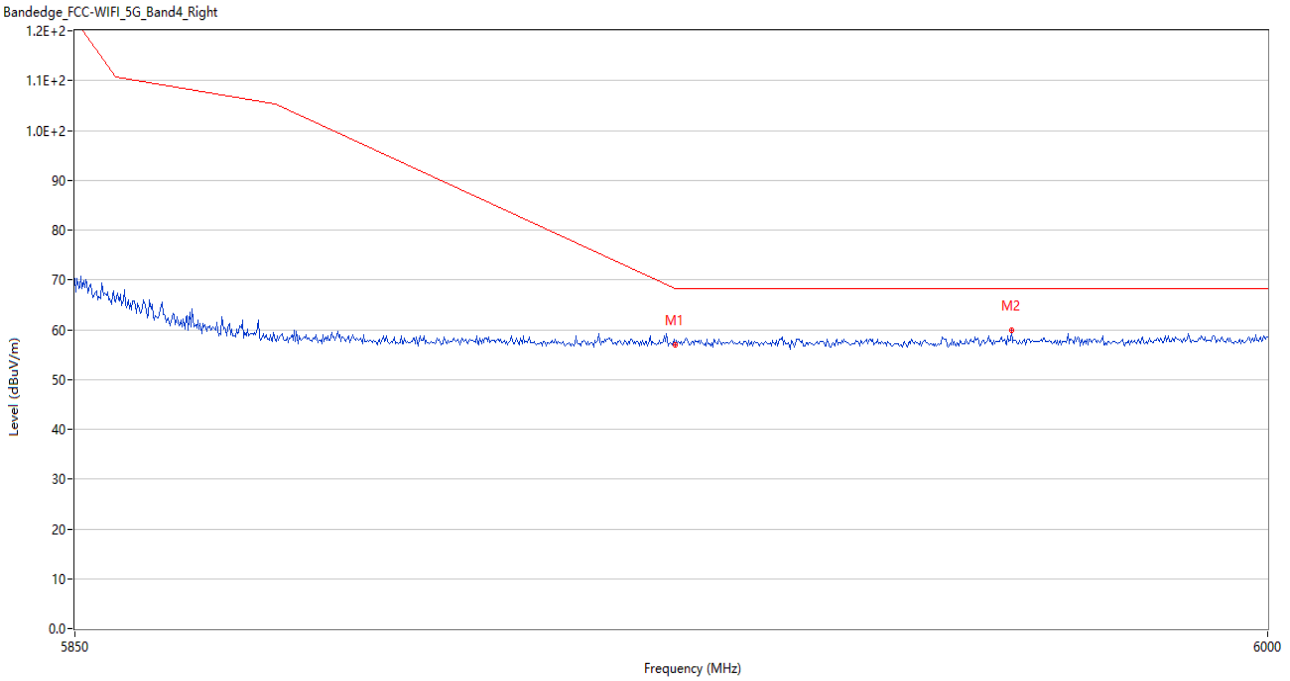
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.68	5.94	68.2	10.52	Peak	111.03	150	Vertical	Pass
2	5615.125	58.81	5.94	68.2	9.39	Peak	225.00	150	Vertical	Pass

U-NII-3 11ac20 Low Channel ANT H



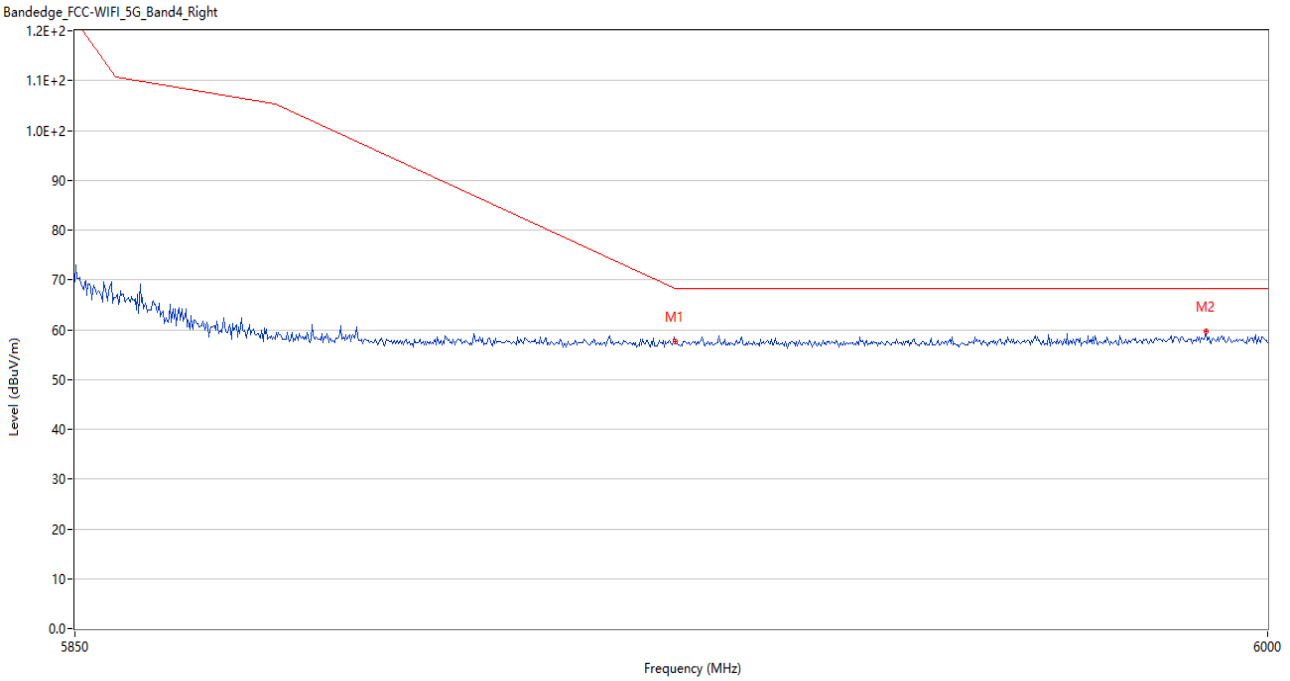
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.43	5.94	68.2	10.77	Peak	83.12	150	Horizontal	Pass
2	5615.750	58.39	5.94	68.2	9.81	Peak	126.00	150	Horizontal	Pass

U-NII-3 11ac20 High Channel ANT V



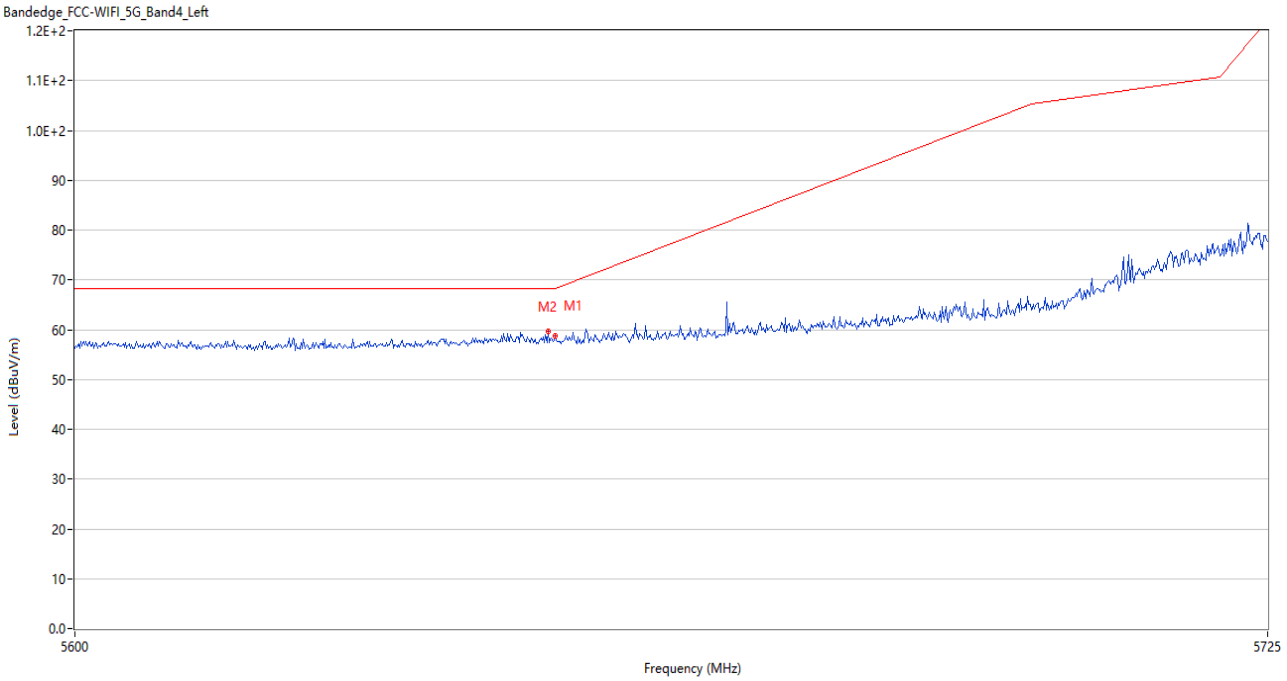
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.74	7.83	68.2	11.46	Peak	73.08	150	Vertical	Pass
2	5967.450	59.86	7.53	68.2	8.34	Peak	0.00	150	Vertical	Pass

U-NII-3 11ac20 High Channel ANT H



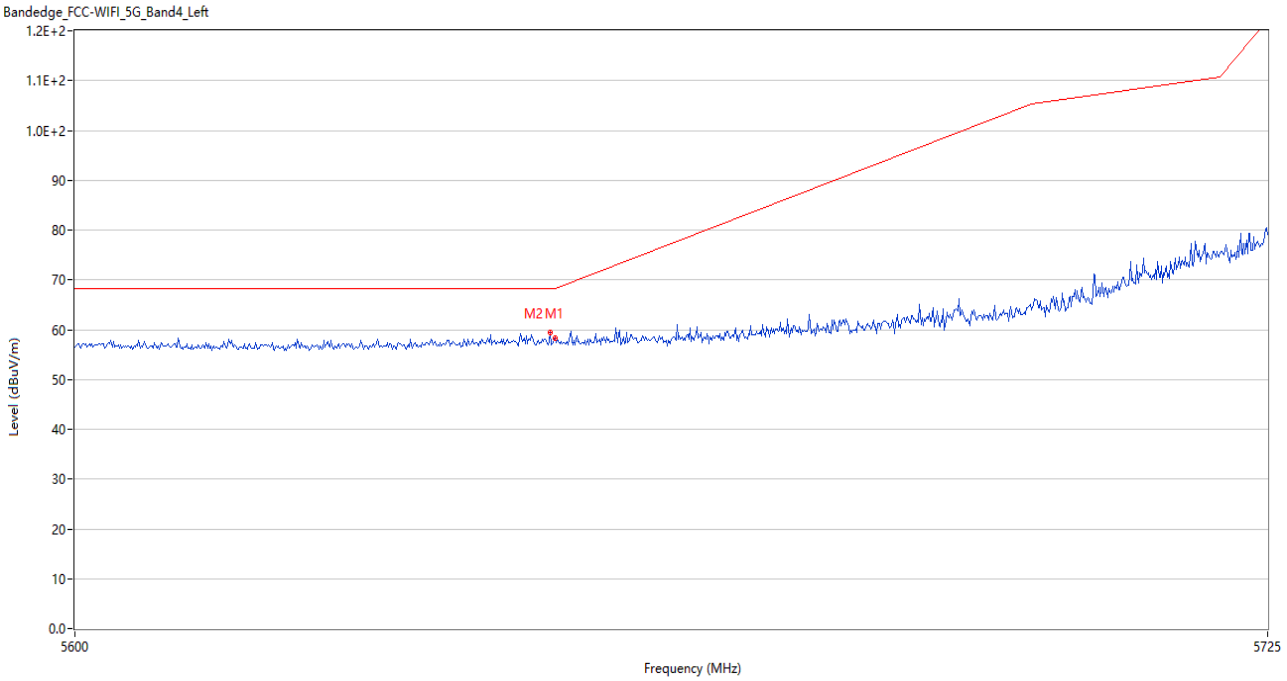
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.63	7.83	68.2	10.57	Peak	193.92	150	Horizontal	Pass
2	5992.200	59.73	7.96	68.2	8.47	Peak	167.00	150	Horizontal	Pass

U-NII-3 11ac40 Low Channel ANT V



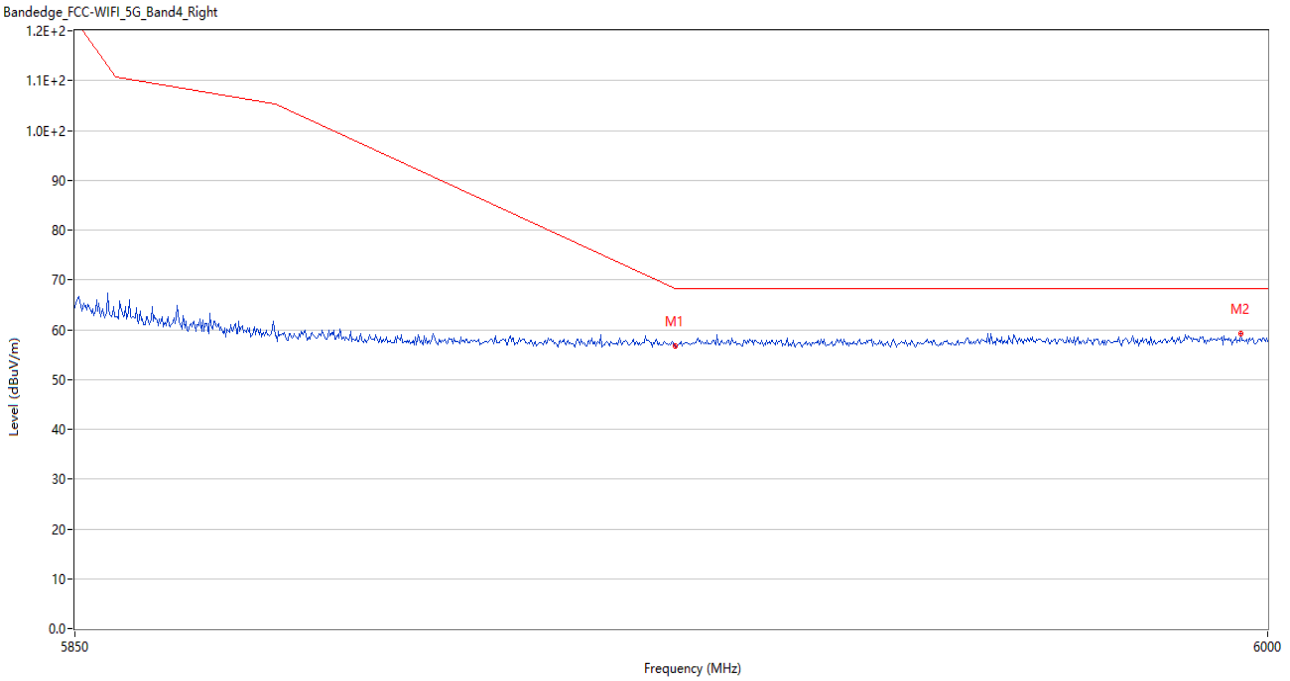
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.73	5.94	68.2	9.47	Peak	303.95	150	Vertical	Pass
2	5649.250	59.69	5.95	68.2	8.51	Peak	113.00	150	Vertical	Pass

U-NII-3 11ac40 Low Channel ANT H



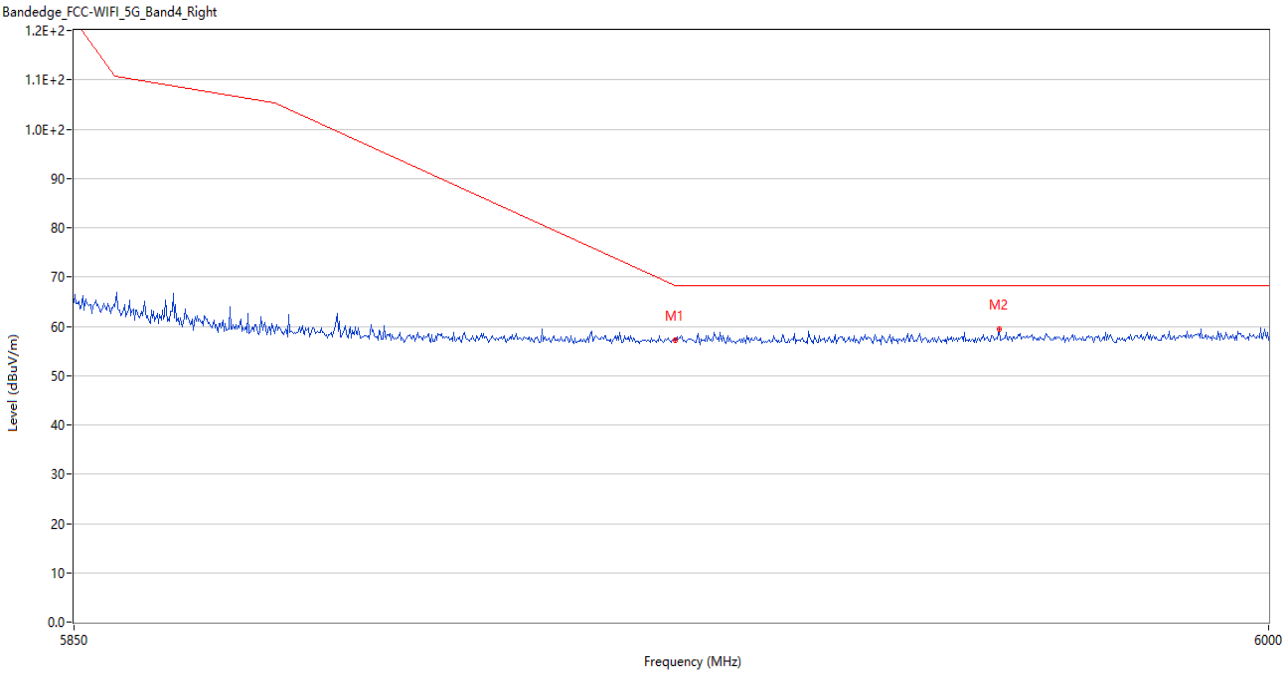
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.25	5.94	68.2	9.95	Peak	136.00	150	Horizontal	Pass
2	5649.500	59.47	5.95	68.2	8.73	Peak	126.00	150	Horizontal	Pass

U-NII-3 11ac40 High Channel ANT V



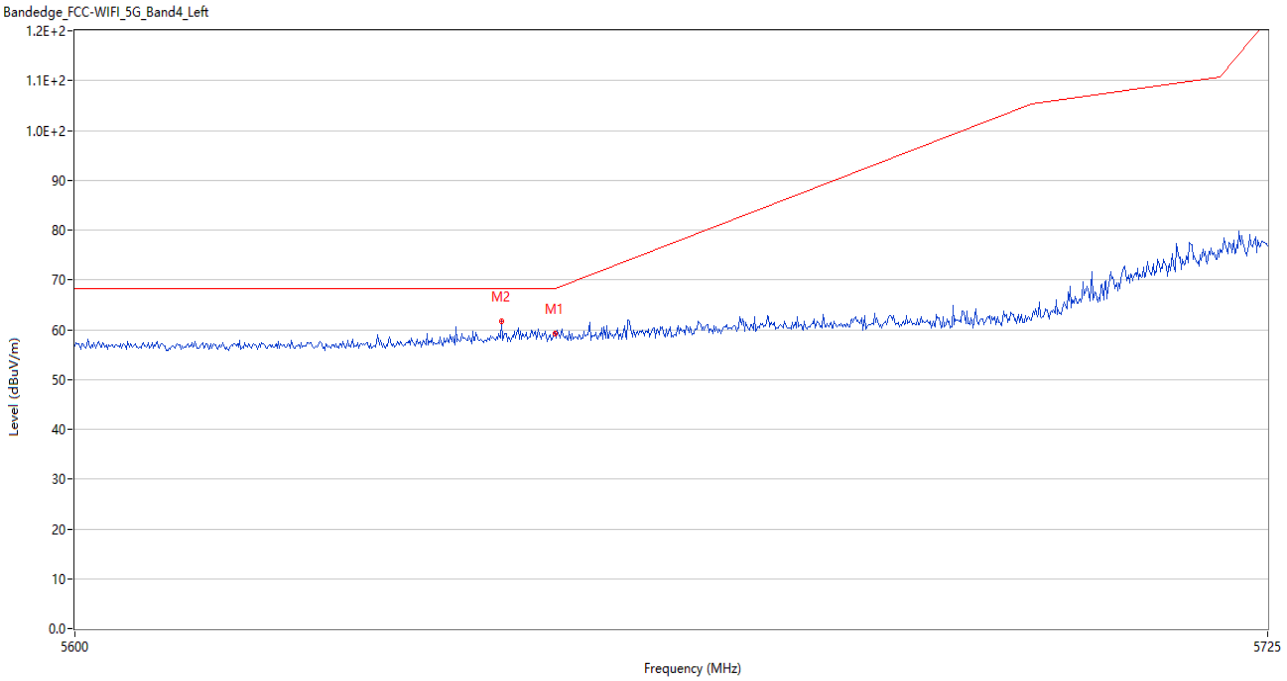
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.64	7.83	68.2	11.56	Peak	236.16	150	Vertical	Pass
2	5996.550	59.32	7.98	68.2	8.88	Peak	8.00	150	Vertical	Pass

U-NII-3 11ac40 High Channel ANT H



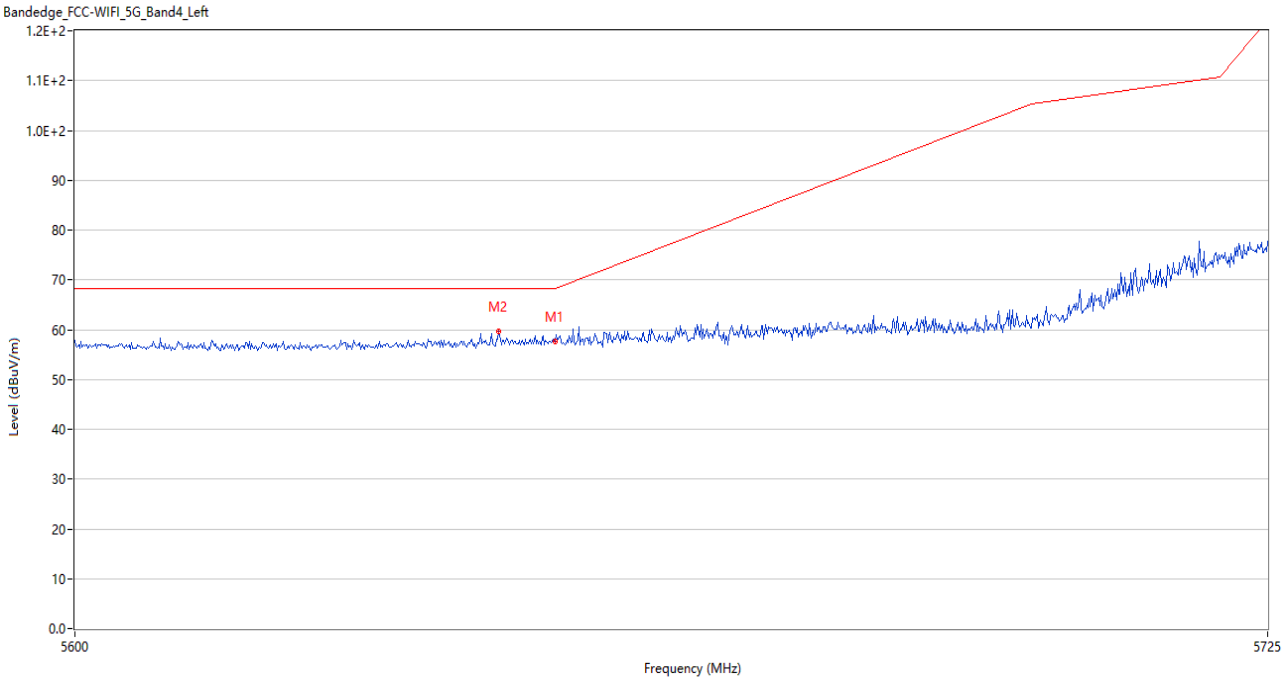
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.23	7.83	68.2	10.97	Peak	176.03	150	Horizontal	Pass
2	5965.800	59.53	7.44	68.2	8.67	Peak	37.00	150	Horizontal	Pass

U-NII-3 11ac80 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	5650.000	59.12	5.94	68.2	9.08	Peak	312.93	150	Vertical	Pass
2	5644.375	61.60	6.02	68.2	6.60	Peak	285.00	150	Vertical	Pass

U-NII-3 11ac80 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	5650.000	57.54	5.94	68.2	10.66	Peak	260.87	150	Horizontal	Pass
2	5644.125	59.55	6.02	68.2	8.65	Peak	138.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2461005-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2461005-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2461005-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the “inspection and testing dedicated stamp” or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--