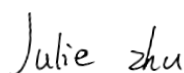


TEST REPORT

Applicant: Shanghai Xiangcheng Communication Technology Co., Ltd
Address: 6th Floor, Building 10, No.3000, Longdong Avenue, Pudong New District, Shanghai
Equipment Type: Intelligent Mobile Data Capture Terminal
Model Name: Ranger1 K/G (refer to section 2.3)
Brand Name: N/A
FCC ID: 2A2UU-MF-T0523
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Mar. 07, 2024
Test Date: Mar. 08, 2024 - Mar. 12, 2024
Date of Issue: May 22, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>May 22, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shanghai Xiangcheng Communication Technology Co., Ltd
Address	6th Floor, Building 10, No.3000, Longdong Avenue, Pudong New District, Shanghai

2.2 Manufacturer Information

Manufacturer	Shanghai Xiangcheng Communication Technology Co., Ltd
Address	6th Floor, Building 10, No.3000, Longdong Avenue, Pudong New District, Shanghai

2.3 General Description for Equipment under Test (EUT)

EUT Name	Intelligent Mobile Data Capture Terminal
Model Name Under Test	Ranger1 K/G
Series Model Name	S45 GRIP, T0523, TP60 S
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant)
Hardware Version	V1.1
Software Version	1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/3, GPS, GLONASS, BDS, Galileo
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-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: 30.27 mW U-NII-2A: 22.03 mW U-NII-3: 16.03 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Ceramic Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 1.92 dBi U-NII-2A: 5250 MHz to 5350 MHz: 1.57 dBi U-NII-3: 5725 MHz to 5850 MHz: 3.11 dBi
About the Product	The equipment is Intelligent Mobile Data Capture Terminal, 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	155	5775
48	5240	62	5310		
52	5260	151	5755		
56	5280	159	5795		
60	5300				
64	5320				
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-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
149	Low	5745
157	Mid	5785
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-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
151	Low	5755
159	High	5795

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-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)
155	Mid	5775

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-3
				Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	159/151
	11ac(80 MHz)	29.3		42	58	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	159/151
	11ac(80 MHz)	29.3		42	58	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	159/151
	11ac(80 MHz)	29.3		42	58	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	159/151
	11ac(80 MHz)	29.3		42	58	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	165/149
	11n(20 MHz)	6.5		48/36	64/52	165/149
	11n(40 MHz)	13.5		46/38	62/54	159/151
	11ac(20 MHz)	6.5		48/36	64/52	165/149
	11ac(40 MHz)	13.5		46/38	62/54	159/151
	11ac(80 MHz)	29.3		42	58	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	45% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.3°C to +22.4°C
	LT (Low Temperature)	-20.0°C
	HT (High Temperature)	+60.0°C
Working Voltage of the EUT	NV (Normal Voltage)	3.85 V
	LV (Low Voltage)	3.30 V
	HV (High Voltage)	4.35 V

4.2 Test Equipment List

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

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

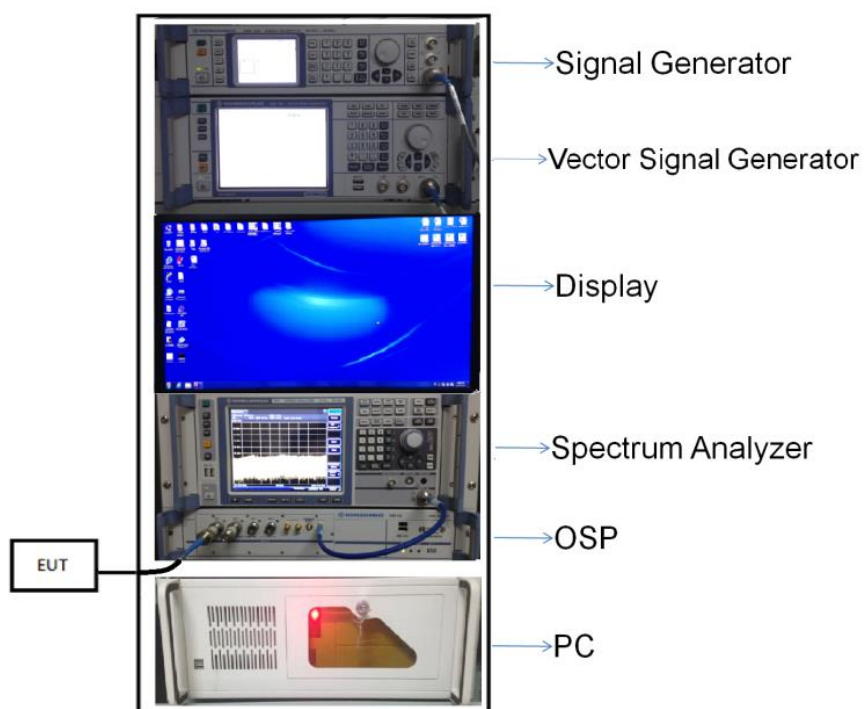
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

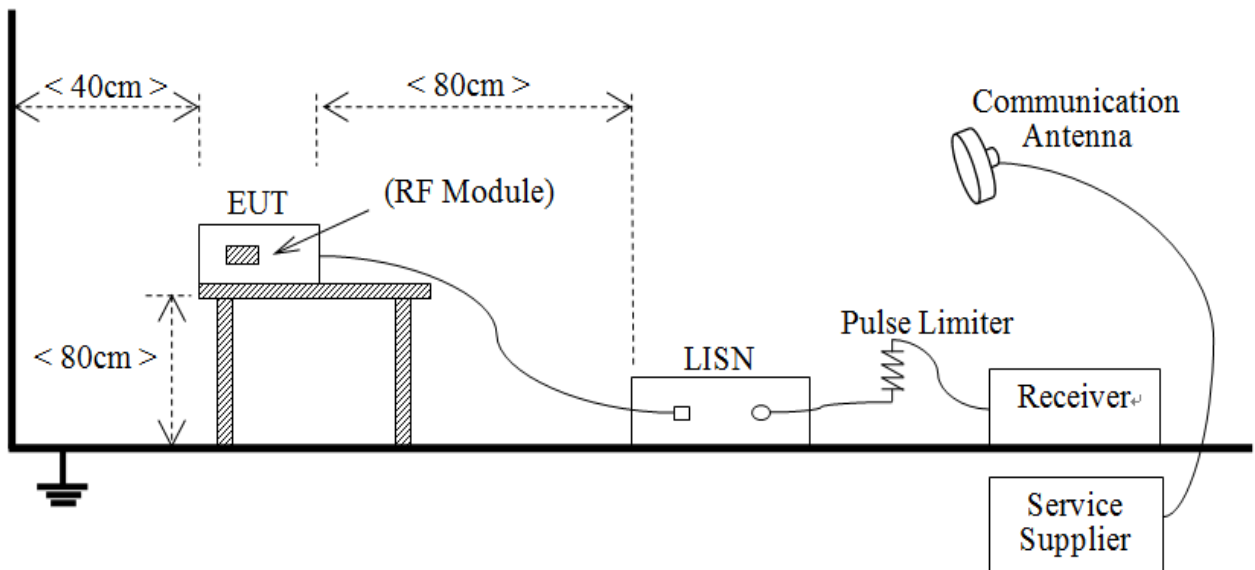
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



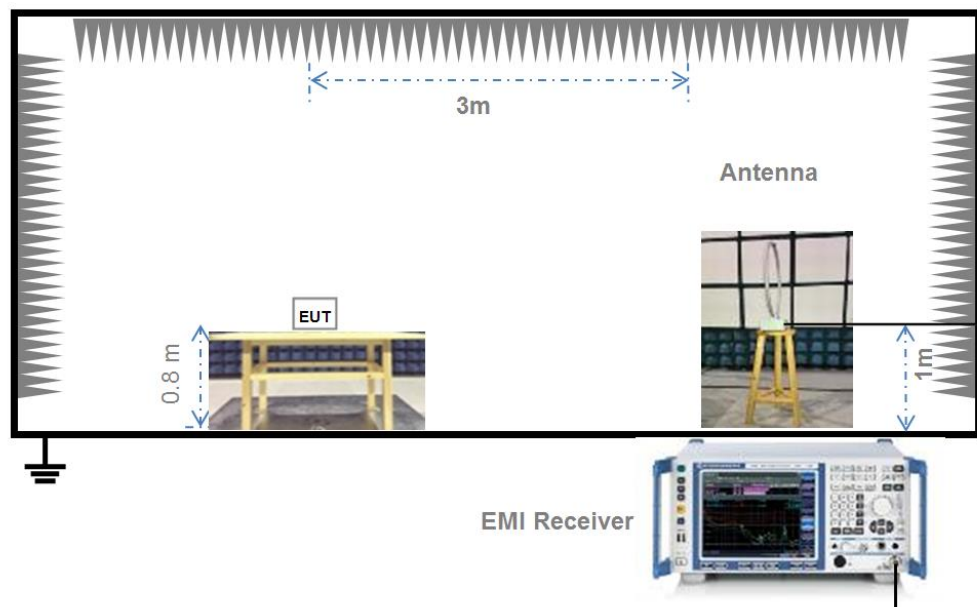
(Diagram 1)

4.5.2 For AC Power Supply Port Test



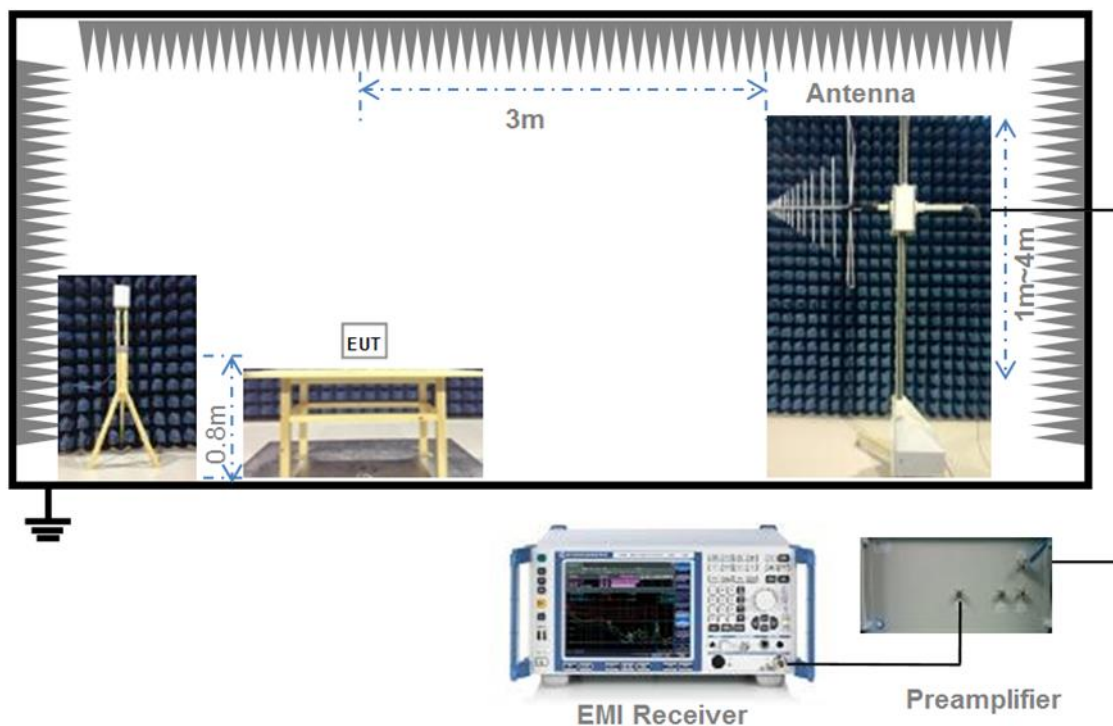
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



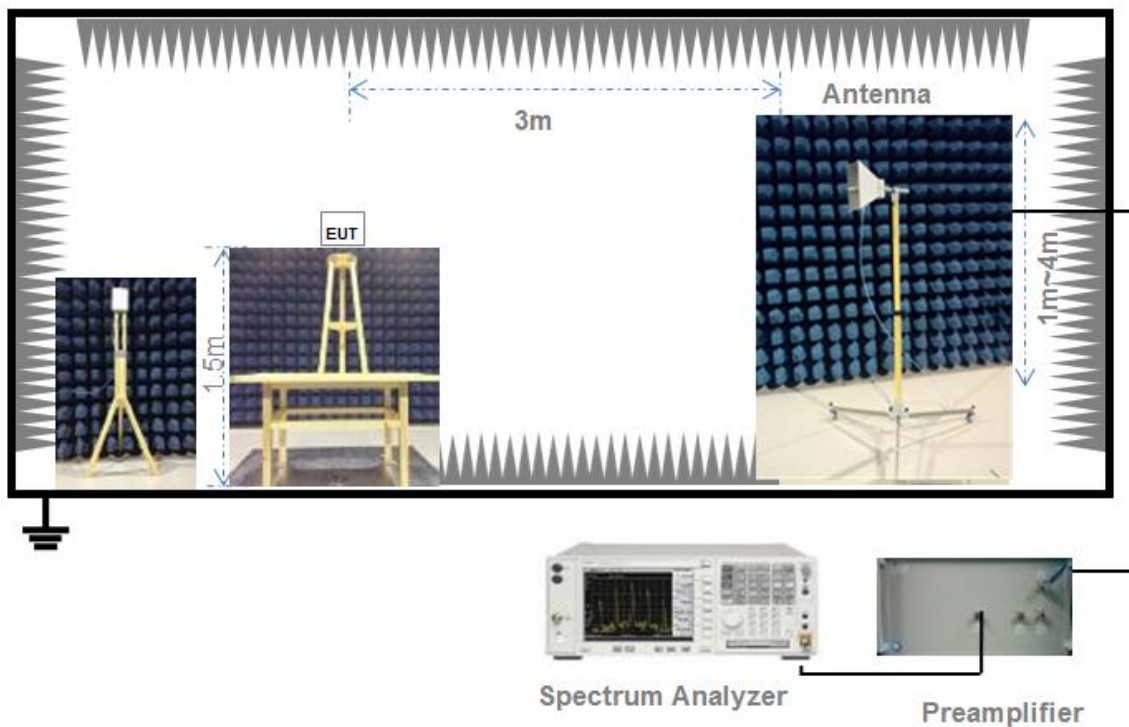
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW $\geq$ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

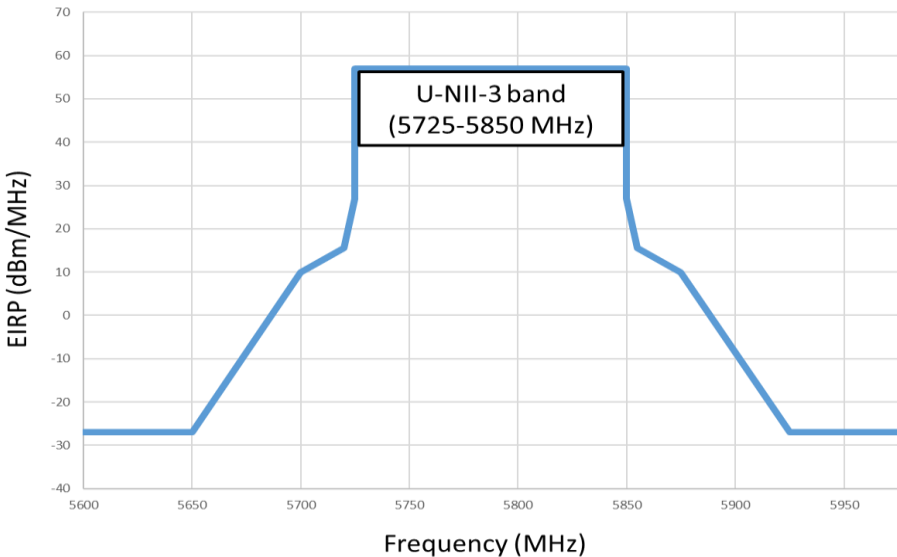
5.5.1 Limit

FCC §15.209 & 15.407(b)

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.39	1.44	96.87
11n (HT20)/11ac (VHT20)	1.31	1.36	96.32
11n (HT40)/11ac (VHT40)	0.65	0.70	93.40
11ac (VHT80)	0.32	0.37	87.91

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.31	21.43	250	Pass
11a	CH44	11.80	15.14	250	Pass
11a	CH48	11.73	14.89	250	Pass
11n (HT20)	CH36	13.68	23.33	250	Pass
11n (HT20)	CH44	11.68	14.72	250	Pass
11n (HT20)	CH48	13.10	20.42	250	Pass
11n (HT40)	CH38	14.81	30.27	250	Pass
11n (HT40)	CH46	13.26	21.18	250	Pass
11ac (VHT20)	CH36	13.15	20.65	250	Pass
11ac (VHT20)	CH44	12.18	16.52	250	Pass
11ac (VHT20)	CH48	12.10	16.22	250	Pass
11ac (VHT40)	CH38	14.72	29.65	250	Pass
11ac (VHT40)	CH46	13.26	21.18	250	Pass
11ac (VHT80)	CH42	13.61	22.96	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.90	15.49	250	Pass
11a	CH60	11.09	12.85	250	Pass
11a	CH64	11.04	12.71	250	Pass
11n (HT20)	CH52	12.47	17.66	250	Pass
11n (HT20)	CH60	11.68	14.72	250	Pass
11n (HT20)	CH64	11.72	14.86	250	Pass
11n (HT40)	CH54	13.43	22.03	250	Pass
11n (HT40)	CH62	12.60	18.20	250	Pass
11ac (VHT20)	CH52	11.89	15.45	250	Pass
11ac (VHT20)	CH60	11.07	12.79	250	Pass
11ac (VHT20)	CH64	11.17	13.09	250	Pass
11ac (VHT40)	CH54	13.00	19.95	250	Pass
11ac (VHT40)	CH62	12.22	16.67	250	Pass
11ac (VHT80)	CH58	13.32	21.48	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	10.01	10.02	1000	Pass
11a	CH157	9.90	9.77	1000	Pass
11a	CH165	11.44	13.93	1000	Pass
11n (HT20)	CH149	10.49	11.19	1000	Pass
11n (HT20)	CH157	10.36	10.86	1000	Pass
11n (HT20)	CH165	12.05	16.03	1000	Pass
11n (HT40)	CH151	11.47	14.03	1000	Pass
11n (HT40)	CH159	11.48	14.06	1000	Pass
11ac (VHT20)	CH149	10.02	10.05	1000	Pass
11ac (VHT20)	CH157	9.88	9.73	1000	Pass
11ac (VHT20)	CH165	11.46	14.00	1000	Pass
11ac (VHT40)	CH151	10.91	12.33	1000	Pass
11ac (VHT40)	CH159	10.95	12.45	1000	Pass
11ac (VHT80)	CH155	12.03	15.96	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2430302-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	32.53	18.34
11a	CH44	20.12	16.50
11a	CH48	20.06	16.50
11n (HT20)	CH36	36.01	19.94
11n (HT20)	CH44	20.43	17.58
11n (HT20)	CH48	30.02	18.03
11n (HT40)	CH38	40.69	36.04
11n (HT40)	CH46	40.37	36.03
11ac (VHT20)	CH36	20.40	17.58
11ac (VHT20)	CH44	20.33	17.59
11ac (VHT20)	CH48	20.34	17.59
11ac (VHT40)	CH38	40.85	36.03
11ac (VHT40)	CH46	41.03	36.04
11ac (VHT80)	CH42	81.28	75.31

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.36	17.59
11a	CH60	20.34	17.59
11a	CH64	20.35	17.58
11n (HT20)	CH52	20.46	17.58
11n (HT20)	CH60	20.40	17.59
11n (HT20)	CH64	20.35	17.60
11n (HT40)	CH54	40.52	36.06
11n (HT40)	CH62	40.62	36.08
11ac (VHT20)	CH52	20.36	17.58
11ac (VHT20)	CH60	20.29	17.60
11ac (VHT20)	CH64	20.40	17.60
11ac (VHT40)	CH54	40.57	36.03
11ac (VHT40)	CH62	40.66	36.04
11ac (VHT80)	CH58	81.17	75.37

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.34	17.61
11a	CH157	20.32	17.62
11a	CH165	20.36	17.59
11n (HT20)	CH149	20.36	17.59
11n (HT20)	CH157	20.37	17.62
11n (HT20)	CH165	20.35	17.60
11n (HT40)	CH151	40.80	36.08
11n (HT40)	CH159	40.64	36.09
11ac (VHT20)	CH149	20.38	17.61
11ac (VHT20)	CH157	20.40	17.63
11ac (VHT20)	CH165	20.39	17.60
11ac (VHT40)	CH151	40.70	36.10
11ac (VHT40)	CH159	40.56	36.09
11ac (VHT80)	CH155	81.31	75.40

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2430302-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.20	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n (HT20)	CH149	15.20	500.00	Pass
11n (HT20)	CH157	15.15	500.00	Pass
11n (HT20)	CH165	15.20	500.00	Pass
11n (HT40)	CH151	35.20	500.00	Pass
11n (HT40)	CH159	35.20	500.00	Pass
11ac (VHT20)	CH149	15.20	500.00	Pass
11ac (VHT20)	CH157	15.20	500.00	Pass
11ac (VHT20)	CH165	15.20	500.00	Pass
11ac (VHT40)	CH151	35.20	500.00	Pass
11ac (VHT40)	CH159	35.20	500.00	Pass
11ac (VHT80)	CH155	75.20	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2430302-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	2.71	11.00	Pass
11a	CH44	1.26	11.00	Pass
11a	CH48	1.35	11.00	Pass
11n (HT20)	CH36	3.16	11.00	Pass
11n (HT20)	CH44	1.12	11.00	Pass
11n (HT20)	CH48	2.45	11.00	Pass
11n (HT40)	CH38	1.29	11.00	Pass
11n (HT40)	CH46	-0.29	11.00	Pass
11ac (VHT20)	CH36	2.60	11.00	Pass
11ac (VHT20)	CH44	1.50	11.00	Pass
11ac (VHT20)	CH48	0.96	11.00	Pass
11ac (VHT40)	CH38	1.16	11.00	Pass
11ac (VHT40)	CH46	-0.78	11.00	Pass
11ac (VHT80)	CH42	-3.19	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	1.26	11.00	Pass
11a	CH60	0.39	11.00	Pass
11a	CH64	0.34	11.00	Pass
11n (HT20)	CH52	1.74	11.00	Pass
11n (HT20)	CH60	0.93	11.00	Pass
11n (HT20)	CH64	1.20	11.00	Pass
11n (HT40)	CH54	-0.21	11.00	Pass
11n (HT40)	CH62	-0.92	11.00	Pass
11ac (VHT20)	CH52	1.33	11.00	Pass
11ac (VHT20)	CH60	0.40	11.00	Pass
11ac (VHT20)	CH64	0.47	11.00	Pass
11ac (VHT40)	CH54	-0.75	11.00	Pass
11ac (VHT40)	CH62	-1.38	11.00	Pass
11ac (VHT80)	CH58	-3.53	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-3.31	30.00	Pass
11a	CH157	-3.62	30.00	Pass
11a	CH165	-1.81	30.00	Pass
11n (HT20)	CH149	-2.85	30.00	Pass
11n (HT20)	CH157	-3.11	30.00	Pass
11n (HT20)	CH165	-1.52	30.00	Pass
11n (HT40)	CH151	-4.85	30.00	Pass
11n (HT40)	CH159	-4.95	30.00	Pass
11ac (VHT20)	CH149	-3.29	30.00	Pass
11ac (VHT20)	CH157	-3.56	30.00	Pass
11ac (VHT20)	CH165	-1.82	30.00	Pass
11ac (VHT40)	CH151	-5.39	30.00	Pass
11ac (VHT40)	CH159	-5.37	30.00	Pass
11ac (VHT80)	CH155	-7.26	30.00	Pass

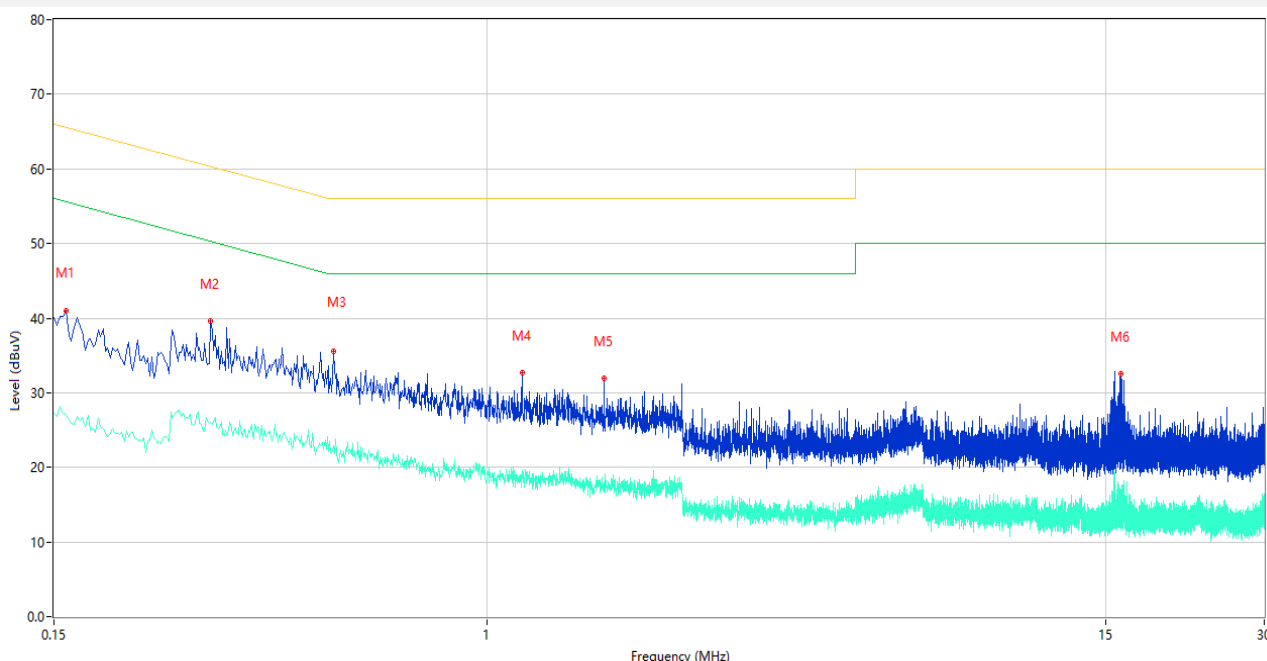
A.5 Conducted Emissions

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

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

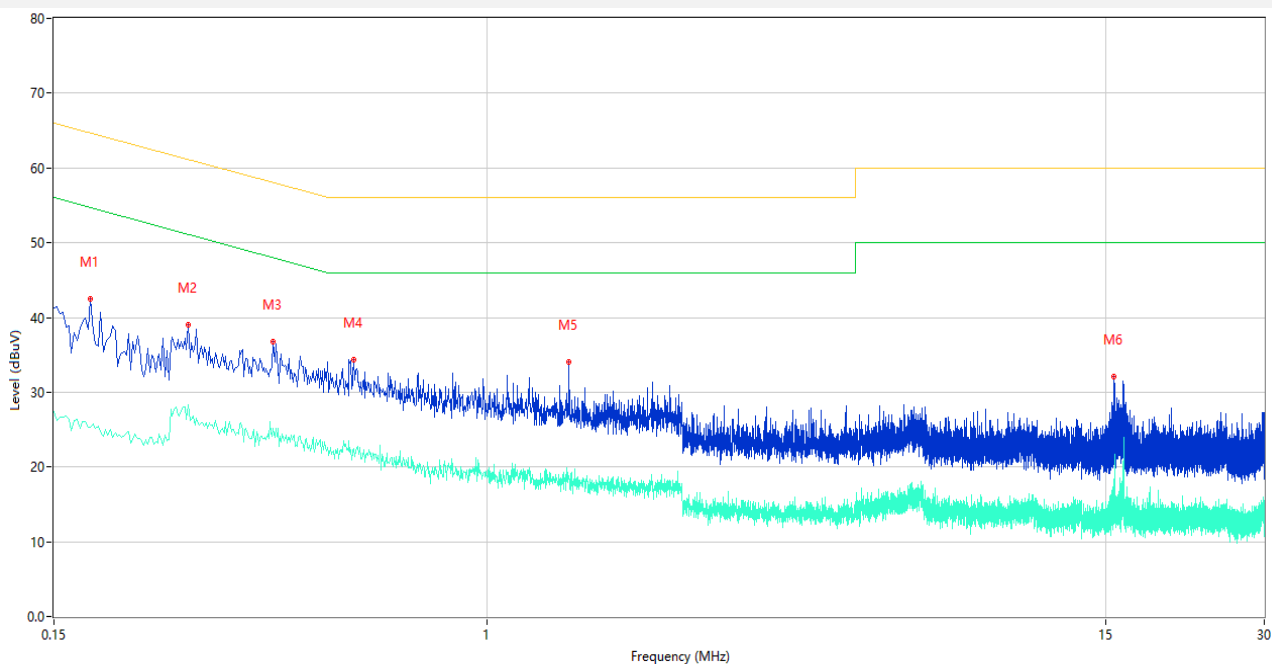
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	41.04	9.46	65.57	24.53	Peak	L	Pass
1**	0.158	26.97	9.46	55.57	28.60	AV	L	Pass
2	0.298	39.59	9.43	60.30	20.71	Peak	L	Pass
2**	0.298	26.04	9.43	50.30	24.26	AV	L	Pass
3	0.510	35.60	9.71	56.00	20.40	Peak	L	Pass
3**	0.510	22.91	9.71	46.00	23.09	AV	L	Pass
4	1.164	32.71	9.71	56.00	23.29	Peak	L	Pass
4**	1.164	19.54	9.71	46.00	26.46	AV	L	Pass
5	1.666	31.88	9.83	56.00	24.12	Peak	L	Pass
5**	1.666	18.04	9.83	46.00	27.96	AV	L	Pass
6	15.996	32.53	7.37	60.00	27.47	Peak	L	Pass
6**	15.996	16.63	7.37	50.00	33.37	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	42.52	9.44	64.67	22.15	Peak	N	Pass
1**	0.176	25.32	9.44	54.67	29.35	AV	N	Pass
2	0.270	39.02	9.43	61.12	22.10	Peak	N	Pass
2**	0.270	28.32	9.43	51.12	22.80	AV	N	Pass
3	0.392	36.74	9.90	58.02	21.28	Peak	N	Pass
3**	0.392	25.10	9.90	48.02	22.92	AV	N	Pass
4	0.558	34.34	9.84	56.00	21.66	Peak	N	Pass
4**	0.558	22.43	9.84	46.00	23.57	AV	N	Pass
5	1.430	34.09	9.88	56.00	21.91	Peak	N	Pass
5**	1.430	18.74	9.88	46.00	27.26	AV	N	Pass
6	15.558	32.05	7.41	60.00	27.95	Peak	N	Pass
6**	15.558	14.76	7.41	50.00	35.24	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.

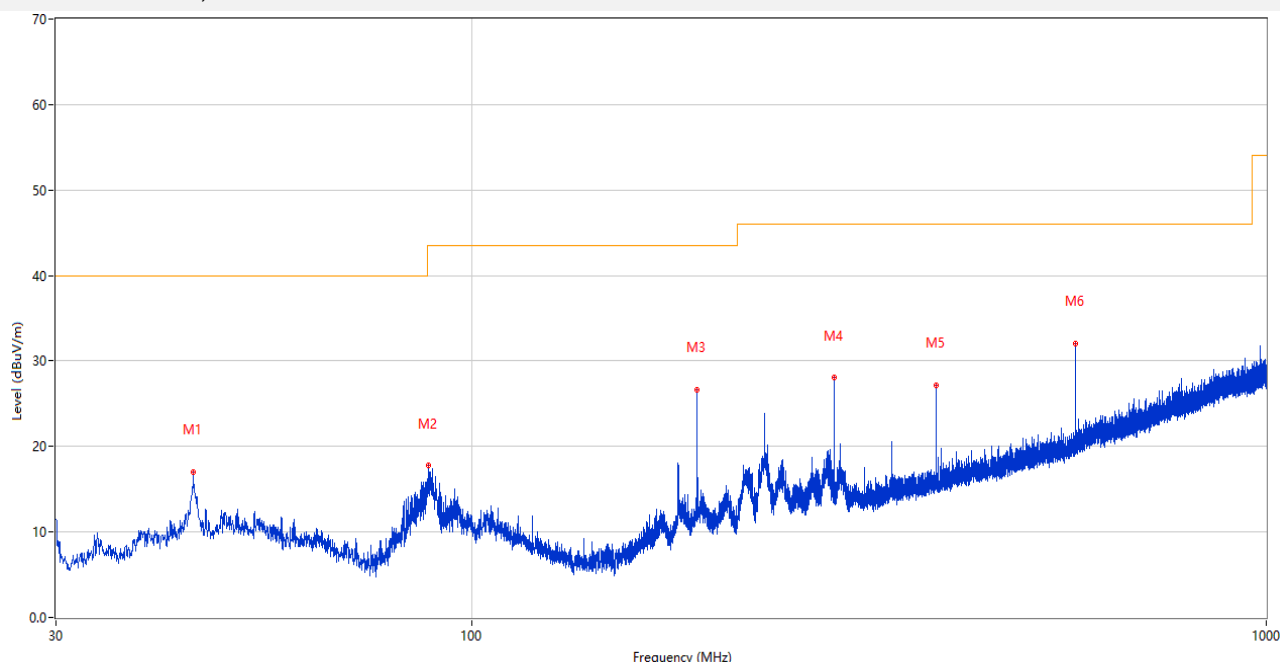
Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

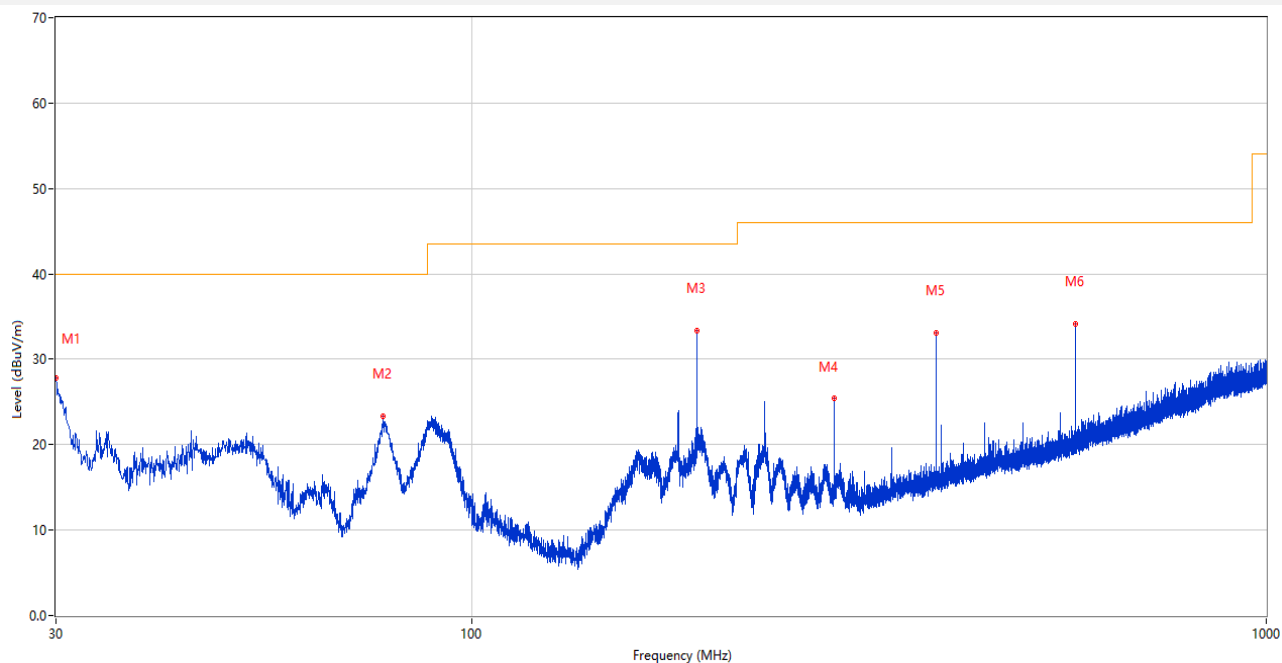
Test Data and Plots

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	44.647	16.99	-25.64	40.0	23.01	Peak	341.00	200	Horizontal	Pass
2	88.297	17.74	-29.03	43.5	25.76	Peak	345.00	200	Horizontal	Pass
3	192.038	26.68	-27.15	43.5	16.82	Peak	233.00	200	Horizontal	Pass
4	286.031	28.02	-23.95	46.0	17.98	Peak	84.00	100	Horizontal	Pass
5	384.002	27.17	-21.41	46.0	18.83	Peak	336.00	200	Horizontal	Pass
6	576.013	32.09	-16.91	46.0	13.91	Peak	19.00	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	30.000	27.82	-28.82	40.0	12.18	Peak	47.00	100	Vertical	Pass
2	77.384	23.35	-31.11	40.0	16.65	Peak	261.00	100	Vertical	Pass
3	192.038	33.37	-27.15	43.5	10.13	Peak	127.00	100	Vertical	Pass
4	286.031	25.43	-23.95	46.0	20.57	Peak	206.00	200	Vertical	Pass
5	384.002	33.13	-21.41	46.0	12.87	Peak	156.00	200	Vertical	Pass
6	576.013	34.20	-16.91	46.0	11.80	Peak	335.00	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.800	38.46	-16.81	74.0	35.54	Peak	360.00	200	Horizontal	Pass
1**	1574.800	29.11	-16.81	54.0	24.89	AV	360.00	200	Horizontal	Pass
2	4353.000	47.55	-4.55	74.0	26.45	Peak	360.00	200	Horizontal	Pass
2**	4353.000	37.81	-4.55	54.0	16.19	AV	360.00	200	Horizontal	Pass
3	5181.250	98.63	-2.31	--	--	Peak	91.00	200	Horizontal	N/A
3**	5181.250	91.62	-2.31	--	--	AV	91.00	200	Horizontal	N/A
4	10359.326	55.90	-2.91	68.2	12.30	Peak	309.00	200	Horizontal	Pass
4**	10359.326	47.50	-2.91	--	--	AV	309.00	200	Horizontal	N/A
5	11795.488	52.70	-0.15	74.0	21.30	Peak	267.00	150	Horizontal	Pass
5**	11795.488	42.95	-0.15	54.0	11.05	AV	267.00	150	Horizontal	Pass
6	16079.025	54.19	1.47	74.0	19.81	Peak	315.00	200	Horizontal	Pass
6**	16079.025	45.47	1.47	54.0	8.53	AV	315.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.800	38.97	-16.89	74.0	35.03	Peak	355.00	300	Vertical	Pass
1**	1531.800	28.66	-16.89	54.0	25.34	AV	355.00	300	Vertical	Pass
2	4368.000	47.32	-4.67	74.0	26.68	Peak	172.00	200	Vertical	Pass
2**	4368.000	39.41	-4.67	54.0	14.59	AV	172.00	200	Vertical	Pass
3	5181.000	99.67	-2.37	--	--	Peak	194.00	200	Vertical	N/A
3**	5181.000	92.21	-2.37	--	--	AV	194.00	200	Vertical	N/A
4	10358.850	58.50	-2.91	68.2	9.70	Peak	219.00	200	Vertical	Pass
4**	10358.850	54.39	-2.91	--	--	AV	219.00	200	Vertical	N/A
5	15540.901	59.16	1.19	74.0	14.84	Peak	227.00	200	Vertical	Pass
5**	15540.901	48.59	1.19	54.0	5.41	AV	227.00	200	Vertical	Pass
6	15543.000	56.00	1.18	74.0	18.00	Peak	227.00	200	Vertical	Pass
6**	15543.000	50.54	1.18	54.0	3.46	AV	227.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.700	38.21	-16.95	74.0	35.79	Peak	137.00	300	Horizontal	Pass
1**	1476.700	28.94	-16.95	54.0	25.06	AV	137.00	300	Horizontal	Pass
2	4336.500	47.10	-4.89	74.0	26.90	Peak	293.00	200	Horizontal	Pass
2**	4336.500	37.33	-4.89	54.0	16.67	AV	293.00	200	Horizontal	Pass
3	5219.250	97.85	-2.86	--	--	Peak	57.00	200	Horizontal	N/A
3**	5219.250	91.04	-2.86	--	--	AV	57.00	200	Horizontal	N/A
4	10447.200	55.47	-2.06	68.2	12.73	Peak	223.00	200	Horizontal	Pass
4**	10447.200	45.44	-2.06	--	--	AV	223.00	200	Horizontal	N/A
5	12494.451	52.51	1.39	74.0	21.49	Peak	123.00	200	Horizontal	Pass
5**	12494.451	43.40	1.39	54.0	10.60	AV	123.00	200	Horizontal	Pass
6	15661.125	55.83	2.02	74.0	18.17	Peak	246.00	100	Horizontal	Pass
6**	15661.125	45.48	2.02	54.0	8.52	AV	246.00	100	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	1613.200	38.50	-16.65	74.0	35.50	Peak	198.00	300	Vertical	Pass
1**	1613.200	30.15	-16.65	54.0	23.85	AV	198.00	300	Vertical	Pass
2	4321.250	46.88	-5.02	74.0	27.12	Peak	151.00	100	Vertical	Pass
2**	4321.250	38.09	-5.02	54.0	15.91	AV	151.00	100	Vertical	Pass
3	5221.000	99.16	-2.98	--	--	Peak	244.00	150	Vertical	N/A
3**	5221.000	92.24	-2.98	--	--	AV	244.00	150	Vertical	N/A
4	10441.500	56.15	-2.15	68.2	12.05	Peak	228.00	200	Vertical	Pass
4**	10441.500	47.93	-2.15	--	--	AV	228.00	200	Vertical	N/A
5	15660.075	56.50	2.03	74.0	17.50	Peak	202.00	200	Vertical	Pass
5**	15660.075	50.23	2.03	54.0	3.77	AV	202.00	200	Vertical	Pass
6	15664.538	58.10	1.99	74.0	15.90	Peak	236.00	300	Vertical	Pass
6**	15664.538	48.54	1.99	54.0	5.46	AV	236.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.400	38.80	-17.06	74.0	35.20	Peak	249.00	200	Horizontal	Pass
1**	1457.400	28.84	-17.06	54.0	25.16	AV	249.00	200	Horizontal	Pass
2	4003.500	46.92	-5.87	74.0	27.08	Peak	219.00	300	Horizontal	Pass
2**	4003.500	36.89	-5.87	54.0	17.11	AV	219.00	300	Horizontal	Pass
3	5238.000	96.38	-3.05	--	--	Peak	74.00	100	Horizontal	N/A
3**	5238.000	88.86	-3.05	--	--	AV	74.00	100	Horizontal	N/A
4	10480.213	55.39	-1.62	68.2	12.81	Peak	208.00	200	Horizontal	Pass
4**	10480.213	46.49	-1.62	--	--	AV	208.00	200	Horizontal	N/A
5	12512.737	52.57	1.37	74.0	21.43	Peak	199.00	150	Horizontal	Pass
5**	12512.737	43.54	1.37	54.0	10.46	AV	199.00	150	Horizontal	Pass
6	16099.500	54.66	1.74	74.0	19.34	Peak	78.00	400	Horizontal	Pass
6**	16099.500	45.98	1.74	54.0	8.02	AV	78.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.600	38.54	-16.91	74.0	35.46	Peak	339.00	200	Vertical	Pass
1**	1484.600	29.21	-16.91	54.0	24.79	AV	339.00	200	Vertical	Pass
2	4337.750	46.95	-5.13	74.0	27.05	Peak	83.00	400	Vertical	Pass
2**	4337.750	37.85	-5.13	54.0	16.15	AV	83.00	400	Vertical	Pass
3	5239.000	100.10	-2.94	--	--	Peak	200.00	200	Vertical	N/A
3**	5239.000	92.39	-2.94	--	--	AV	200.00	200	Vertical	N/A
4	10483.063	56.97	-1.58	68.2	11.23	Peak	284.00	200	Vertical	Pass
4**	10483.063	48.38	-1.58	--	--	AV	284.00	200	Vertical	N/A
5	15717.826	57.31	1.47	74.0	16.69	Peak	222.00	300	Vertical	Pass
5**	15717.826	48.66	1.47	54.0	5.34	AV	222.00	300	Vertical	Pass
6	15725.438	55.19	1.42	74.0	18.81	Peak	222.00	200	Vertical	Pass
6**	15725.438	50.01	1.42	54.0	3.99	AV	222.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.000	38.21	-16.70	74.0	35.79	Peak	72.00	400	Horizontal	Pass
1**	1614.000	30.26	-16.70	54.0	23.74	AV	72.00	400	Horizontal	Pass
2	4306.250	47.75	-5.20	74.0	26.25	Peak	266.00	400	Horizontal	Pass
2**	4306.250	39.69	-5.20	54.0	14.31	AV	266.00	400	Horizontal	Pass
3	5178.750	98.05	-2.72	--	--	Peak	82.00	150	Horizontal	N/A
3**	5178.750	90.86	-2.72	--	--	AV	82.00	150	Horizontal	N/A
4	10353.150	55.28	-2.93	68.2	12.92	Peak	309.00	100	Horizontal	Pass
4**	10353.150	45.81	-2.93	--	--	AV	309.00	100	Horizontal	N/A
5	12528.412	53.68	1.27	74.0	20.32	Peak	214.00	200	Horizontal	Pass
5**	12528.412	43.73	1.27	54.0	10.27	AV	214.00	200	Horizontal	Pass
6	15541.425	54.73	1.18	74.0	19.27	Peak	266.00	400	Horizontal	Pass
6**	15541.425	45.69	1.18	54.0	8.31	AV	266.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.100	38.30	-16.61	74.0	35.70	Peak	347.00	400	Vertical	Pass
1**	1605.100	29.22	-16.61	54.0	24.78	AV	347.00	400	Vertical	Pass
2	4207.750	47.37	-4.90	74.0	26.63	Peak	164.00	100	Vertical	Pass
2**	4207.750	38.07	-4.90	54.0	15.93	AV	164.00	100	Vertical	Pass
3	5179.000	99.54	-2.65	--	--	Peak	228.00	200	Vertical	N/A
3**	5179.000	92.30	-2.65	--	--	AV	228.00	200	Vertical	N/A
4	10355.049	58.56	-2.93	68.2	9.64	Peak	226.00	100	Vertical	Pass
4**	10355.049	49.11	-2.93	--	--	AV	226.00	100	Vertical	N/A
5	15541.162	55.32	1.19	74.0	18.68	Peak	226.00	200	Vertical	Pass
5**	15541.162	50.06	1.19	54.0	3.94	AV	226.00	200	Vertical	Pass
6	15544.575	57.94	1.17	74.0	16.06	Peak	226.00	300	Vertical	Pass
6**	15544.575	47.52	1.17	54.0	6.48	AV	226.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1535.900	38.32	-17.08	74.0	35.68	Peak	142.00	400	Horizontal	Pass
1**	1535.900	30.28	-17.08	54.0	23.72	AV	142.00	400	Horizontal	Pass
2	4281.000	47.04	-4.59	74.0	26.96	Peak	183.00	200	Horizontal	Pass
2**	4281.000	37.91	-4.59	54.0	16.09	AV	183.00	200	Horizontal	Pass
3	5218.250	97.41	-2.79	--	--	Peak	70.00	100	Horizontal	N/A
3**	5218.250	90.42	-2.79	--	--	AV	70.00	100	Horizontal	N/A
4	7424.750	53.43	1.18	74.0	20.57	Peak	207.00	400	Horizontal	Pass
4**	7424.750	43.64	1.18	54.0	10.36	AV	207.00	400	Horizontal	Pass
5	10437.937	54.48	-2.20	68.2	13.72	Peak	206.00	200	Horizontal	Pass
5**	10437.937	46.87	-2.20	--	--	AV	206.00	200	Horizontal	N/A
6	16036.500	55.40	1.14	74.0	18.60	Peak	253.00	300	Horizontal	Pass
6**	16036.500	44.61	1.14	54.0	9.39	AV	253.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.800	38.49	-16.59	74.0	35.51	Peak	0.00	100	Vertical	Pass
1**	1592.800	28.94	-16.59	54.0	25.06	AV	0.00	100	Vertical	Pass
2	4351.500	47.49	-4.51	74.0	26.51	Peak	243.00	300	Vertical	Pass
2**	4351.500	38.17	-4.51	54.0	15.83	AV	243.00	300	Vertical	Pass
3	5221.250	99.92	-3.07	--	--	Peak	195.00	100	Vertical	N/A
3**	5221.250	91.90	-3.07	--	--	AV	195.00	100	Vertical	N/A
4	10440.313	56.16	-2.17	68.2	12.04	Peak	230.00	200	Vertical	Pass
4**	10440.313	48.36	-2.17	--	--	AV	230.00	200	Vertical	N/A
5	15649.838	60.16	2.14	74.0	13.84	Peak	219.00	300	Vertical	Pass
5**	15649.838	46.46	2.14	54.0	7.54	AV	219.00	300	Vertical	Pass
6	15659.288	55.47	2.04	74.0	18.53	Peak	194.00	200	Vertical	Pass
6**	15659.288	50.06	2.04	54.0	3.94	AV	194.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	38.18	-16.94	74.0	35.82	Peak	132.00	300	Horizontal	Pass
1**	1484.700	29.09	-16.94	54.0	24.91	AV	132.00	300	Horizontal	Pass
2	4291.500	47.26	-4.71	74.0	26.74	Peak	0.00	200	Horizontal	Pass
2**	4291.500	38.87	-4.71	54.0	15.13	AV	0.00	200	Horizontal	Pass
3	5239.250	96.60	-2.92	--	--	Peak	78.00	200	Horizontal	N/A
3**	5239.250	89.25	-2.92	--	--	AV	78.00	200	Horizontal	N/A
4	10478.312	55.88	-1.65	68.2	12.32	Peak	223.00	200	Horizontal	Pass
4**	10478.312	47.01	-1.65	--	--	AV	223.00	200	Horizontal	N/A
5	11502.650	52.66	-0.63	74.0	21.34	Peak	70.00	200	Horizontal	Pass
5**	11502.650	43.69	-0.63	54.0	10.31	AV	70.00	200	Horizontal	Pass
6	16149.900	54.41	2.15	74.0	19.59	Peak	29.00	300	Horizontal	Pass
6**	16149.900	44.73	2.15	54.0	9.27	AV	29.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.400	38.66	-16.89	74.0	35.34	Peak	152.00	200	Vertical	Pass
1**	1581.400	29.41	-16.89	54.0	24.59	AV	152.00	200	Vertical	Pass
2	4257.500	46.99	-4.36	74.0	27.01	Peak	346.00	400	Vertical	Pass
2**	4257.500	37.69	-4.36	54.0	16.31	AV	346.00	400	Vertical	Pass
3	5241.750	100.14	-3.09	--	--	Peak	207.00	150	Vertical	N/A
3**	5241.750	92.36	-3.09	--	--	AV	207.00	150	Vertical	N/A
4	10481.162	56.12	-1.61	68.2	12.08	Peak	277.00	150	Vertical	Pass
4**	10481.162	47.85	-1.61	--	--	AV	277.00	150	Vertical	N/A
5	15719.400	53.92	1.46	74.0	20.08	Peak	227.00	150	Vertical	Pass
5**	15719.400	50.09	1.46	54.0	3.91	AV	227.00	150	Vertical	Pass
6	15721.500	58.56	1.44	74.0	15.44	Peak	236.00	400	Vertical	Pass
6**	15721.500	47.53	1.44	54.0	6.47	AV	236.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.700	38.59	-16.95	74.0	35.41	Peak	283.00	400	Horizontal	Pass
1**	1485.700	29.29	-16.95	54.0	24.71	AV	283.00	400	Horizontal	Pass
2	4276.250	47.67	-4.93	74.0	26.33	Peak	103.00	400	Horizontal	Pass
2**	4276.250	37.66	-4.93	54.0	16.34	AV	103.00	400	Horizontal	Pass
3	5191.250	96.93	-2.50	--	--	Peak	57.00	200	Horizontal	N/A
3**	5191.250	89.85	-2.50	--	--	AV	57.00	200	Horizontal	N/A
4	10376.662	54.18	-2.85	68.2	14.02	Peak	215.00	200	Horizontal	Pass
4**	10376.662	44.65	-2.85	--	--	AV	215.00	200	Horizontal	N/A
5	12419.875	53.03	1.08	74.0	20.97	Peak	331.00	100	Horizontal	Pass
5**	12419.875	43.26	1.08	54.0	10.74	AV	331.00	100	Horizontal	Pass
6	16091.099	54.90	1.63	74.0	19.10	Peak	224.00	300	Horizontal	Pass
6**	16091.099	45.46	1.63	54.0	8.54	AV	224.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1607.000	38.71	-16.80	74.0	35.29	Peak	152.00	400	Vertical	Pass
1**	1607.000	29.01	-16.80	54.0	24.99	AV	152.00	400	Vertical	Pass
2	4353.000	47.15	-4.55	74.0	26.85	Peak	246.00	100	Vertical	Pass
2**	4353.000	38.21	-4.55	54.0	15.79	AV	246.00	100	Vertical	Pass
3	5185.000	98.71	-2.34	--	--	Peak	200.00	200	Vertical	N/A
3**	5185.000	90.57	-2.34	--	--	AV	200.00	200	Vertical	N/A
4	10381.650	55.34	-2.83	68.2	12.86	Peak	201.00	200	Vertical	Pass
4**	10381.650	48.52	-2.83	--	--	AV	201.00	200	Vertical	N/A
5	15569.250	57.29	1.05	74.0	16.71	Peak	219.00	200	Vertical	Pass
5**	15569.250	47.82	1.05	54.0	6.18	AV	219.00	200	Vertical	Pass
6	15575.287	54.28	1.02	74.0	19.72	Peak	227.00	200	Vertical	Pass
6**	15575.287	50.10	1.02	54.0	3.90	AV	227.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.900	38.89	-16.97	74.0	35.11	Peak	308.00	400	Horizontal	Pass
1**	1457.900	28.87	-16.97	54.0	25.13	AV	308.00	400	Horizontal	Pass
2	4177.000	47.16	-5.34	74.0	26.84	Peak	8.00	200	Horizontal	Pass
2**	4177.000	37.44	-5.34	54.0	16.56	AV	8.00	200	Horizontal	Pass
3	5227.000	95.93	-3.27	--	--	Peak	72.00	200	Horizontal	N/A
3**	5227.000	88.14	-3.27	--	--	AV	72.00	200	Horizontal	N/A
4	7698.250	53.28	1.14	74.0	20.72	Peak	95.00	200	Horizontal	Pass
4**	7698.250	44.13	1.14	54.0	9.87	AV	95.00	200	Horizontal	Pass
5	10453.613	55.34	-1.97	68.2	12.86	Peak	220.00	200	Horizontal	Pass
5**	10453.613	47.30	-1.97	--	--	AV	220.00	200	Horizontal	N/A
6	15645.112	55.84	2.02	74.0	18.16	Peak	273.00	200	Horizontal	Pass
6**	15645.112	45.13	2.02	54.0	8.87	AV	273.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1453.500	38.19	-16.95	74.0	35.81	Peak	13.00	400	Vertical	Pass
1**	1453.500	29.14	-16.95	54.0	24.86	AV	13.00	400	Vertical	Pass
2	4331.750	47.04	-4.61	74.0	26.96	Peak	100.00	200	Vertical	Pass
2**	4331.750	38.41	-4.61	54.0	15.59	AV	100.00	200	Vertical	Pass
3	5233.000	97.92	-2.98	--	--	Peak	207.00	200	Vertical	N/A
3**	5233.000	91.49	-2.98	--	--	AV	207.00	200	Vertical	N/A
4	10460.500	55.40	-1.88	68.2	12.80	Peak	230.00	200	Vertical	Pass
4**	10460.500	47.88	-1.88	--	--	AV	230.00	200	Vertical	N/A
5	15681.075	54.63	1.81	74.0	19.37	Peak	212.00	200	Vertical	Pass
5**	15681.075	50.59	1.81	54.0	3.41	AV	212.00	200	Vertical	Pass
6	15685.537	58.20	1.76	74.0	15.80	Peak	220.00	300	Vertical	Pass
6**	15685.537	48.65	1.76	54.0	5.35	AV	220.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.700	38.46	-16.83	74.0	35.54	Peak	315.00	400	Horizontal	Pass
1**	1601.700	29.26	-16.83	54.0	24.74	AV	315.00	400	Horizontal	Pass
2	4256.000	46.93	-4.07	74.0	27.07	Peak	43.00	200	Horizontal	Pass
2**	4256.000	38.95	-4.07	54.0	15.05	AV	43.00	200	Horizontal	Pass
3	5181.250	98.16	-2.31	--	--	Peak	91.00	200	Horizontal	N/A
3**	5181.250	91.19	-2.31	--	--	AV	91.00	200	Horizontal	N/A
4	10358.138	55.15	-2.91	68.2	13.05	Peak	224.00	200	Horizontal	Pass
4**	10358.138	46.33	-2.91	--	--	AV	224.00	200	Horizontal	N/A
5	12527.938	52.34	1.28	74.0	21.66	Peak	332.00	100	Horizontal	Pass
5**	12527.938	42.88	1.28	54.0	11.12	AV	332.00	100	Horizontal	Pass
6	16102.912	54.94	1.77	74.0	19.06	Peak	72.00	200	Horizontal	Pass
6**	16102.912	46.23	1.77	54.0	7.77	AV	72.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.600	38.54	-16.91	74.0	35.46	Peak	360.00	200	Vertical	Pass
1**	1484.600	31.12	-16.91	54.0	22.88	AV	360.00	200	Vertical	Pass
2	4112.250	47.06	-5.71	74.0	26.94	Peak	269.00	300	Vertical	Pass
2**	4112.250	36.81	-5.71	54.0	17.19	AV	269.00	300	Vertical	Pass
3	5178.500	99.61	-2.63	--	--	Peak	228.00	200	Vertical	N/A
3**	5178.500	92.27	-2.63	--	--	AV	228.00	200	Vertical	N/A
4	10360.037	58.89	-2.91	68.2	9.31	Peak	212.00	100	Vertical	Pass
4**	10360.037	50.36	-2.91	--	--	AV	212.00	100	Vertical	N/A
5	15535.126	58.06	1.22	74.0	15.94	Peak	238.00	300	Vertical	Pass
5**	15535.126	48.25	1.22	54.0	5.75	AV	238.00	300	Vertical	Pass
6	15544.313	55.51	1.17	74.0	18.49	Peak	232.00	100	Vertical	Pass
6**	15544.313	50.28	1.17	54.0	3.72	AV	232.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.200	38.82	-16.98	74.0	35.18	Peak	161.00	400	Horizontal	Pass
1**	1484.200	28.96	-16.98	54.0	25.04	AV	161.00	400	Horizontal	Pass
2	4397.250	46.75	-5.15	74.0	27.25	Peak	81.00	300	Horizontal	Pass
2**	4397.250	36.23	-5.15	54.0	17.77	AV	81.00	300	Horizontal	Pass
3	5218.500	98.08	-2.88	--	--	Peak	56.00	150	Horizontal	N/A
3**	5218.500	90.00	-2.88	--	--	AV	56.00	150	Horizontal	N/A
4	10437.701	54.66	-2.20	68.2	13.54	Peak	222.00	150	Horizontal	Pass
4**	10437.701	46.44	-2.20	--	--	AV	222.00	150	Horizontal	N/A
5	12407.525	53.22	1.10	74.0	20.78	Peak	0.00	200	Horizontal	Pass
5**	12407.525	44.98	1.10	54.0	9.02	AV	0.00	200	Horizontal	Pass
6	15900.262	54.70	2.02	74.0	19.30	Peak	329.00	100	Horizontal	Pass
6**	15900.262	45.22	2.02	54.0	8.78	AV	329.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.900	38.76	-16.98	74.0	35.24	Peak	317.00	200	Vertical	Pass
1**	1471.900	28.70	-16.98	54.0	25.30	AV	317.00	200	Vertical	Pass
2	4190.750	46.59	-5.38	74.0	27.41	Peak	20.00	300	Vertical	Pass
2**	4190.750	37.60	-5.38	54.0	16.40	AV	20.00	300	Vertical	Pass
3	5221.500	99.37	-3.10	--	--	Peak	205.00	150	Vertical	N/A
3**	5221.500	92.05	-3.10	--	--	AV	205.00	150	Vertical	N/A
4	10439.363	57.04	-2.18	68.2	11.16	Peak	209.00	150	Vertical	Pass
4**	10439.363	47.78	-2.18	--	--	AV	209.00	150	Vertical	N/A
5	15662.437	59.87	2.01	74.0	14.13	Peak	214.00	300	Vertical	Pass
5**	15662.437	48.55	2.01	54.0	5.45	AV	214.00	300	Vertical	Pass
6	15662.963	57.88	2.00	74.0	16.12	Peak	222.00	150	Vertical	Pass
6**	15662.963	50.11	2.00	54.0	3.89	AV	222.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.600	37.87	-17.05	74.0	36.13	Peak	256.00	400	Horizontal	Pass
1**	1491.600	28.61	-17.05	54.0	25.39	AV	256.00	400	Horizontal	Pass
2	4325.750	47.00	-4.95	74.0	27.00	Peak	197.00	100	Horizontal	Pass
2**	4325.750	38.22	-4.95	54.0	15.78	AV	197.00	100	Horizontal	Pass
3	5238.750	96.49	-2.91	--	--	Peak	63.00	100	Horizontal	N/A
3**	5238.750	88.73	-2.91	--	--	AV	63.00	100	Horizontal	N/A
4	10486.388	54.95	-1.54	68.2	13.25	Peak	206.00	100	Horizontal	Pass
4**	10486.388	46.06	-1.54	--	--	AV	206.00	100	Horizontal	N/A
5	12502.525	52.94	1.42	74.0	21.06	Peak	75.00	200	Horizontal	Pass
5**	12502.525	43.10	1.42	54.0	10.90	AV	75.00	200	Horizontal	Pass
6	15724.125	54.61	1.42	74.0	19.39	Peak	246.00	300	Horizontal	Pass
6**	15724.125	45.28	1.42	54.0	8.72	AV	246.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.900	39.21	-16.77	74.0	34.79	Peak	105.00	400	Vertical	Pass
1**	1447.900	29.74	-16.77	54.0	24.26	AV	105.00	400	Vertical	Pass
2	4287.500	46.66	-4.67	74.0	27.34	Peak	176.00	300	Vertical	Pass
2**	4287.500	37.92	-4.67	54.0	16.08	AV	176.00	300	Vertical	Pass
3	5238.000	100.39	-3.05	--	--	Peak	200.00	100	Vertical	N/A
3**	5238.000	92.58	-3.05	--	--	AV	200.00	100	Vertical	N/A
4	10480.451	56.50	-1.62	68.2	11.70	Peak	291.00	100	Vertical	Pass
4**	10480.451	47.61	-1.62	--	--	AV	291.00	100	Vertical	N/A
5	15721.500	55.09	1.44	74.0	18.91	Peak	213.00	100	Vertical	Pass
5**	15721.500	50.24	1.44	54.0	3.76	AV	213.00	100	Vertical	Pass
6	15722.025	58.55	1.44	74.0	15.45	Peak	222.00	300	Vertical	Pass
6**	15722.025	48.24	1.44	54.0	5.76	AV	222.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.800	38.80	-16.92	74.0	35.20	Peak	0.00	100	Horizontal	Pass
1**	1449.800	28.30	-16.92	54.0	25.70	AV	0.00	100	Horizontal	Pass
2	4122.750	47.42	-5.74	74.0	26.58	Peak	244.00	300	Horizontal	Pass
2**	4122.750	36.78	-5.74	54.0	17.22	AV	244.00	300	Horizontal	Pass
3	5192.250	97.12	-2.84	--	--	Peak	59.00	100	Horizontal	N/A
3**	5192.250	89.82	-2.84	--	--	AV	59.00	100	Horizontal	N/A
4	10374.050	52.91	-2.86	68.2	15.29	Peak	212.00	200	Horizontal	Pass
4**	10374.050	47.34	-2.86	--	--	AV	212.00	200	Horizontal	N/A
5	12413.938	52.70	1.09	74.0	21.30	Peak	218.00	150	Horizontal	Pass
5**	12413.938	43.72	1.09	54.0	10.28	AV	218.00	150	Horizontal	Pass
6	15570.037	54.01	1.05	74.0	19.99	Peak	256.00	400	Horizontal	Pass
6**	15570.037	44.31	1.05	54.0	9.69	AV	256.00	400	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	1496.800	38.46	-16.81	74.0	35.54	Peak	55.00	100	Vertical	Pass
1**	1496.800	28.70	-16.81	54.0	25.30	AV	55.00	100	Vertical	Pass
2	4335.750	48.05	-4.73	74.0	25.95	Peak	107.00	200	Vertical	Pass
2**	4335.750	37.74	-4.73	54.0	16.26	AV	107.00	200	Vertical	Pass
3	5188.000	98.55	-2.45	--	--	Peak	178.00	200	Vertical	N/A
3**	5188.000	90.73	-2.45	--	--	AV	178.00	200	Vertical	N/A
4	10376.662	55.88	-2.85	68.2	12.32	Peak	59.00	200	Vertical	Pass
4**	10376.662	47.12	-2.85	--	--	AV	59.00	200	Vertical	N/A
5	15557.963	58.21	1.10	74.0	15.79	Peak	217.00	200	Vertical	Pass
5**	15557.963	47.95	1.10	54.0	6.05	AV	217.00	200	Vertical	Pass
6	15574.762	56.23	1.03	74.0	17.77	Peak	217.00	200	Vertical	Pass
6**	15574.762	50.01	1.03	54.0	3.99	AV	217.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.600	38.28	-16.91	74.0	35.72	Peak	195.00	400	Horizontal	Pass
1**	1484.600	29.51	-16.91	54.0	24.49	AV	195.00	400	Horizontal	Pass
2	4256.000	47.08	-4.07	74.0	26.92	Peak	135.00	200	Horizontal	Pass
2**	4256.000	37.81	-4.07	54.0	16.19	AV	135.00	200	Horizontal	Pass
3	5223.250	95.88	-3.15	--	--	Peak	71.00	200	Horizontal	N/A
3**	5223.250	87.57	-3.15	--	--	AV	71.00	200	Horizontal	N/A
4	10459.550	53.64	-1.90	68.2	14.56	Peak	123.00	200	Horizontal	Pass
4**	10459.550	44.26	-1.90	--	--	AV	123.00	200	Horizontal	N/A
5	12473.075	52.67	1.22	74.0	21.33	Peak	222.00	200	Horizontal	Pass
5**	12473.075	43.20	1.22	54.0	10.80	AV	222.00	200	Horizontal	Pass
6	16106.849	54.94	1.81	74.0	19.06	Peak	220.00	300	Horizontal	Pass
6**	16106.849	45.05	1.81	54.0	8.95	AV	220.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.900	38.73	-16.96	74.0	35.27	Peak	326.00	200	Vertical	Pass
1**	1504.900	29.02	-16.96	54.0	24.98	AV	326.00	200	Vertical	Pass
2	4300.000	47.43	-5.40	74.0	26.57	Peak	232.00	300	Vertical	Pass
2**	4300.000	37.27	-5.40	54.0	16.73	AV	232.00	300	Vertical	Pass
3	5233.000	98.23	-2.98	--	--	Peak	208.00	150	Vertical	N/A
3**	5233.000	91.18	-2.98	--	--	AV	208.00	150	Vertical	N/A
4	10454.325	54.85	-1.96	68.2	13.35	Peak	239.00	200	Vertical	Pass
4**	10454.325	46.35	-1.96	--	--	AV	239.00	200	Vertical	N/A
5	15690.787	58.51	1.70	74.0	15.49	Peak	230.00	200	Vertical	Pass
5**	15690.787	49.19	1.70	54.0	4.81	AV	230.00	200	Vertical	Pass
6	15691.050	54.01	1.70	74.0	19.99	Peak	222.00	200	Vertical	Pass
6**	15691.050	50.34	1.70	54.0	3.66	AV	222.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.700	38.95	-17.05	74.0	35.05	Peak	128.00	200	Horizontal	Pass
1**	1482.700	28.80	-17.05	54.0	25.20	AV	128.00	200	Horizontal	Pass
2	4130.000	47.56	-5.54	74.0	26.44	Peak	315.00	100	Horizontal	Pass
2**	4130.000	37.82	-5.54	54.0	16.18	AV	315.00	100	Horizontal	Pass
3	5215.250	95.52	-2.43	--	--	Peak	78.00	100	Horizontal	N/A
3**	5215.250	88.49	-2.43	--	--	AV	78.00	100	Horizontal	N/A
4	10415.849	53.46	-2.53	68.2	14.74	Peak	217.00	100	Horizontal	Pass
4**	10415.849	44.62	-2.53	--	--	AV	217.00	100	Horizontal	N/A
5	12503.713	52.80	1.42	74.0	21.20	Peak	6.00	200	Horizontal	Pass
5**	12503.713	44.51	1.42	54.0	9.49	AV	6.00	200	Horizontal	Pass
6	15658.237	55.78	2.05	74.0	18.22	Peak	256.00	300	Horizontal	Pass
6**	15658.237	45.62	2.05	54.0	8.38	AV	256.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.200	38.61	-16.84	74.0	35.39	Peak	356.00	200	Vertical	Pass
1**	1583.200	28.78	-16.84	54.0	25.22	AV	356.00	200	Vertical	Pass
2	4246.000	46.65	-4.48	74.0	27.35	Peak	344.00	100	Vertical	Pass
2**	4246.000	37.84	-4.48	54.0	16.16	AV	344.00	100	Vertical	Pass
3	5205.250	97.32	-2.36	--	--	Peak	203.00	200	Vertical	N/A
3**	5205.250	90.85	-2.36	--	--	AV	203.00	200	Vertical	N/A
4	10415.375	55.89	-2.54	68.2	12.31	Peak	207.00	200	Vertical	Pass
4**	10415.375	45.96	-2.54	--	--	AV	207.00	200	Vertical	N/A
5	15637.238	60.29	1.83	74.0	13.71	Peak	219.00	200	Vertical	Pass
5**	15637.238	50.41	1.83	54.0	3.59	AV	219.00	200	Vertical	Pass
6	15637.763	57.93	1.84	74.0	16.07	Peak	219.00	200	Vertical	Pass
6**	15637.763	50.98	1.84	54.0	3.02	AV	219.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.400	38.45	-16.73	74.0	35.55	Peak	51.00	300	Horizontal	Pass
1**	1606.400	28.84	-16.73	54.0	25.16	AV	51.00	300	Horizontal	Pass
2	4259.000	47.02	-4.33	74.0	26.98	Peak	341.00	200	Horizontal	Pass
2**	4259.000	38.18	-4.33	54.0	15.82	AV	341.00	200	Horizontal	Pass
3	5261.250	97.50	-3.06	--	--	Peak	69.00	150	Horizontal	N/A
3**	5261.250	91.67	-3.06	--	--	AV	69.00	150	Horizontal	N/A
4	10521.538	55.96	-1.97	68.2	12.24	Peak	229.00	150	Horizontal	Pass
4**	10521.538	48.05	-1.97	--	--	AV	229.00	150	Horizontal	N/A
5	12394.700	52.66	1.08	74.0	21.34	Peak	18.00	150	Horizontal	Pass
5**	12394.700	43.84	1.08	54.0	10.16	AV	18.00	150	Horizontal	Pass
6	15890.550	54.56	1.95	74.0	19.44	Peak	281.00	300	Horizontal	Pass
6**	15890.550	44.48	1.95	54.0	9.52	AV	281.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.200	38.83	-16.84	74.0	35.17	Peak	234.00	300	Vertical	Pass
1**	1583.200	28.69	-16.84	54.0	25.31	AV	234.00	300	Vertical	Pass
2	4343.250	46.81	-5.00	74.0	27.19	Peak	208.00	100	Vertical	Pass
2**	4343.250	37.60	-5.00	54.0	16.40	AV	208.00	100	Vertical	Pass
3	5259.250	100.44	-2.85	--	--	Peak	230.00	100	Vertical	N/A
3**	5259.250	93.42	-2.85	--	--	AV	230.00	100	Vertical	N/A
4	10522.250	56.83	-1.99	68.2	11.37	Peak	198.00	200	Vertical	Pass
4**	10522.250	47.93	-1.99	--	--	AV	198.00	200	Vertical	N/A
5	15779.250	57.31	1.12	74.0	16.69	Peak	220.00	200	Vertical	Pass
5**	15779.250	50.94	1.12	54.0	3.06	AV	220.00	200	Vertical	Pass
6	15783.451	59.93	1.11	74.0	14.07	Peak	229.00	200	Vertical	Pass
6**	15783.451	49.14	1.11	54.0	4.86	AV	229.00	200	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	1436.700	38.34	-16.96	74.0	35.66	Peak	326.00	300	Horizontal	Pass
1**	1436.700	28.54	-16.96	54.0	25.46	AV	326.00	300	Horizontal	Pass
2	4011.000	46.67	-5.73	74.0	27.33	Peak	154.00	400	Horizontal	Pass
2**	4011.000	37.16	-5.73	54.0	16.84	AV	154.00	400	Horizontal	Pass
3	5300.750	97.32	-2.77	--	--	Peak	62.00	100	Horizontal	N/A
3**	5300.750	89.33	-2.77	--	--	AV	62.00	100	Horizontal	N/A
4	7705.250	53.79	2.03	74.0	20.21	Peak	178.00	300	Horizontal	Pass
4**	7705.250	44.82	2.03	54.0	9.18	AV	178.00	300	Horizontal	Pass
5	10600.863	54.06	-1.79	74.0	19.94	Peak	203.00	150	Horizontal	Pass
5**	10600.863	47.89	-1.79	54.0	6.11	AV	203.00	150	Horizontal	Pass
6	15901.050	55.71	2.01	74.0	18.29	Peak	246.00	400	Horizontal	Pass
6**	15901.050	45.50	2.01	54.0	8.50	AV	246.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1608.300	38.09	-17.05	74.0	35.91	Peak	155.00	400	Vertical	Pass
1**	1608.300	28.84	-17.05	54.0	25.16	AV	155.00	400	Vertical	Pass
2	4348.000	46.96	-4.72	74.0	27.04	Peak	215.00	400	Vertical	Pass
2**	4348.000	37.30	-4.72	54.0	16.70	AV	215.00	400	Vertical	Pass
3	5302.250	99.71	-2.81	--	--	Peak	239.00	150	Vertical	N/A
3**	5302.250	91.51	-2.81	--	--	AV	239.00	150	Vertical	N/A
4	10601.813	58.66	-1.82	74.0	15.34	Peak	290.00	200	Vertical	Pass
4**	10601.813	47.94	-1.82	54.0	6.06	AV	290.00	200	Vertical	Pass
5	15898.951	54.91	2.02	74.0	19.09	Peak	230.00	200	Vertical	Pass
5**	15898.951	50.54	2.02	54.0	3.46	AV	230.00	200	Vertical	Pass
6	15901.838	57.65	2.00	74.0	16.35	Peak	220.00	400	Vertical	Pass
6**	15901.838	48.50	2.00	54.0	5.50	AV	220.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.000	38.73	-17.06	74.0	35.27	Peak	123.00	400	Horizontal	Pass
1**	1437.000	28.75	-17.06	54.0	25.25	AV	123.00	400	Horizontal	Pass
2	4342.750	46.96	-4.78	74.0	27.04	Peak	224.00	200	Horizontal	Pass
2**	4342.750	38.53	-4.78	54.0	15.47	AV	224.00	200	Horizontal	Pass
3	5317.500	97.39	-2.96	--	--	Peak	81.00	200	Horizontal	N/A
3**	5317.500	90.31	-2.96	--	--	AV	81.00	200	Horizontal	N/A
4	7704.750	52.78	2.00	74.0	21.22	Peak	105.00	100	Horizontal	Pass
4**	7704.750	45.06	2.00	54.0	8.94	AV	105.00	100	Horizontal	Pass
5	10640.525	53.60	-2.81	74.0	20.40	Peak	200.00	200	Horizontal	Pass
5**	10640.525	46.74	-2.81	54.0	7.26	AV	200.00	200	Horizontal	Pass
6	16129.162	54.72	1.98	74.0	19.28	Peak	117.00	400	Horizontal	Pass
6**	16129.162	45.42	1.98	54.0	8.58	AV	117.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.800	38.30	-17.00	74.0	35.70	Peak	161.00	100	Vertical	Pass
1**	1498.800	27.92	-17.00	54.0	26.08	AV	161.00	100	Vertical	Pass
2	4352.500	46.96	-4.70	74.0	27.04	Peak	162.00	300	Vertical	Pass
2**	4352.500	37.83	-4.70	54.0	16.17	AV	162.00	300	Vertical	Pass
3	5318.500	100.21	-3.13	--	--	Peak	229.00	200	Vertical	N/A
3**	5318.500	92.97	-3.13	--	--	AV	229.00	200	Vertical	N/A
4	10647.412	54.84	-2.99	74.0	19.16	Peak	268.00	100	Vertical	Pass
4**	10647.412	44.38	-2.99	54.0	9.62	AV	268.00	100	Vertical	Pass
5	15956.700	54.67	1.17	74.0	19.33	Peak	227.00	100	Vertical	Pass
5**	15956.700	50.21	1.17	54.0	3.79	AV	227.00	100	Vertical	Pass
6	15965.362	59.72	1.19	74.0	14.28	Peak	227.00	300	Vertical	Pass
6**	15965.362	48.09	1.19	54.0	5.91	AV	227.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	38.21	-17.01	74.0	35.79	Peak	132.00	300	Horizontal	Pass
1**	1495.900	28.55	-17.01	54.0	25.45	AV	132.00	300	Horizontal	Pass
2	4369.500	47.31	-4.95	74.0	26.69	Peak	110.00	100	Horizontal	Pass
2**	4369.500	37.59	-4.95	54.0	16.41	AV	110.00	100	Horizontal	Pass
3	5258.750	97.81	-3.08	--	--	Peak	83.00	100	Horizontal	N/A
3**	5258.750	89.62	-3.08	--	--	AV	83.00	100	Horizontal	N/A
4	10523.675	55.55	-2.03	68.2	12.65	Peak	220.00	100	Horizontal	Pass
4**	10523.675	45.56	-2.03	--	--	AV	220.00	100	Horizontal	N/A
5	11945.349	52.90	-0.62	74.0	21.10	Peak	297.00	150	Horizontal	Pass
5**	11945.349	43.11	-0.62	54.0	10.89	AV	297.00	150	Horizontal	Pass
6	16103.700	54.92	1.78	74.0	19.08	Peak	61.00	100	Horizontal	Pass
6**	16103.700	45.74	1.78	54.0	8.26	AV	61.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.400	38.14	-17.23	74.0	35.86	Peak	336.00	300	Vertical	Pass
1**	1541.400	28.71	-17.23	54.0	25.29	AV	336.00	300	Vertical	Pass
2	4269.500	47.41	-5.07	74.0	26.59	Peak	305.00	300	Vertical	Pass
2**	4269.500	38.09	-5.07	54.0	15.91	AV	305.00	300	Vertical	Pass
3	5258.500	100.37	-3.19	--	--	Peak	231.00	200	Vertical	N/A
3**	5258.500	92.98	-3.19	--	--	AV	231.00	200	Vertical	N/A
4	10519.400	57.04	-1.91	68.2	11.16	Peak	268.00	300	Vertical	Pass
4**	10519.400	47.56	-1.91	--	--	AV	268.00	300	Vertical	N/A
5	15775.050	54.14	1.14	74.0	19.86	Peak	193.00	200	Vertical	Pass
5**	15775.050	50.27	1.14	54.0	3.73	AV	193.00	200	Vertical	Pass
6	15783.713	58.17	1.11	74.0	15.83	Peak	227.00	300	Vertical	Pass
6**	15783.713	49.23	1.11	54.0	4.77	AV	227.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1585.200	38.93	-17.16	74.0	35.07	Peak	316.00	300	Horizontal	Pass
1**	1585.200	28.45	-17.16	54.0	25.55	AV	316.00	300	Horizontal	Pass
2	4052.250	46.99	-5.55	74.0	27.01	Peak	280.00	300	Horizontal	Pass
2**	4052.250	36.65	-5.55	54.0	17.35	AV	280.00	300	Horizontal	Pass
3	5301.750	96.99	-2.75	--	--	Peak	66.00	100	Horizontal	N/A
3**	5301.750	89.78	-2.75	--	--	AV	66.00	100	Horizontal	N/A
4	7708.500	53.62	1.84	74.0	20.38	Peak	173.00	100	Horizontal	Pass
4**	7708.500	44.83	1.84	54.0	9.17	AV	173.00	100	Horizontal	Pass
5	10603.713	54.11	-1.86	74.0	19.89	Peak	213.00	200	Horizontal	Pass
5**	10603.713	45.05	-1.86	54.0	8.95	AV	213.00	200	Horizontal	Pass
6	15454.800	54.59	1.90	74.0	19.41	Peak	198.00	300	Horizontal	Pass
6**	15454.800	44.14	1.90	54.0	9.86	AV	198.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1477.800	39.09	-17.10	74.0	34.91	Peak	10.00	200	Vertical	Pass
1**	1477.800	28.47	-17.10	54.0	25.53	AV	10.00	200	Vertical	Pass
2	4363.250	46.84	-5.02	74.0	27.16	Peak	259.00	100	Vertical	Pass
2**	4363.250	38.24	-5.02	54.0	15.76	AV	259.00	100	Vertical	Pass
3	5301.500	99.92	-2.76	--	--	Peak	231.00	100	Vertical	N/A
3**	5301.500	92.26	-2.76	--	--	AV	231.00	100	Vertical	N/A
4	10602.762	55.05	-1.84	74.0	18.95	Peak	288.00	100	Vertical	Pass
4**	10602.762	47.23	-1.84	54.0	6.77	AV	288.00	100	Vertical	Pass
5	15900.787	58.27	2.01	74.0	15.73	Peak	229.00	200	Vertical	Pass
5**	15900.787	49.90	2.01	54.0	4.10	AV	229.00	200	Vertical	Pass
6	15901.050	55.38	2.01	74.0	18.62	Peak	229.00	150	Vertical	Pass
6**	15901.050	50.08	2.01	54.0	3.92	AV	229.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.000	38.57	-17.17	74.0	35.43	Peak	149.00	300	Horizontal	Pass
1**	1534.000	28.58	-17.17	54.0	25.42	AV	149.00	300	Horizontal	Pass
2	4309.250	47.61	-4.93	74.0	26.39	Peak	72.00	400	Horizontal	Pass
2**	4309.250	37.64	-4.93	54.0	16.36	AV	72.00	400	Horizontal	Pass
3	5318.500	96.54	-3.13	--	--	Peak	72.00	200	Horizontal	N/A
3**	5318.500	90.46	-3.13	--	--	AV	72.00	200	Horizontal	N/A
4	7706.500	53.30	1.58	74.0	20.70	Peak	297.00	300	Horizontal	Pass
4**	7706.500	44.60	1.58	54.0	9.40	AV	297.00	300	Horizontal	Pass
5	10640.525	54.29	-2.81	74.0	19.71	Peak	199.00	100	Horizontal	Pass
5**	10640.525	44.90	-2.81	54.0	9.10	AV	199.00	100	Horizontal	Pass
6	16074.563	54.26	1.41	74.0	19.74	Peak	88.00	200	Horizontal	Pass
6**	16074.563	45.32	1.41	54.0	8.68	AV	88.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.100	37.89	-17.15	74.0	36.11	Peak	76.00	300	Vertical	Pass
1**	1490.100	28.78	-17.15	54.0	25.22	AV	76.00	300	Vertical	Pass
2	4324.250	46.73	-4.89	74.0	27.27	Peak	11.00	300	Vertical	Pass
2**	4324.250	37.99	-4.89	54.0	16.01	AV	11.00	300	Vertical	Pass
3	5318.500	100.41	-3.13	--	--	Peak	222.00	150	Vertical	N/A
3**	5318.500	92.88	-3.13	--	--	AV	222.00	150	Vertical	N/A
4	10641.000	55.85	-2.83	74.0	18.15	Peak	268.00	150	Vertical	Pass
4**	10641.000	47.25	-2.83	54.0	6.75	AV	268.00	150	Vertical	Pass
5	15958.799	54.26	1.18	74.0	19.74	Peak	230.00	150	Vertical	Pass
5**	15958.799	50.04	1.18	54.0	3.96	AV	230.00	150	Vertical	Pass
6	15960.375	58.53	1.18	74.0	15.47	Peak	230.00	300	Vertical	Pass
6**	15960.375	47.79	1.18	54.0	6.21	AV	230.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.900	38.16	-17.05	74.0	35.84	Peak	68.00	200	Horizontal	Pass
1**	1476.900	28.42	-17.05	54.0	25.58	AV	68.00	200	Horizontal	Pass
2	4265.250	46.97	-5.12	74.0	27.03	Peak	145.00	200	Horizontal	Pass
2**	4265.250	39.00	-5.12	54.0	15.00	AV	145.00	200	Horizontal	Pass
3	5272.250	96.33	-2.70	--	--	Peak	74.00	100	Horizontal	N/A
3**	5272.250	89.33	-2.70	--	--	AV	74.00	100	Horizontal	N/A
4	7421.250	52.91	1.15	74.0	21.09	Peak	264.00	400	Horizontal	Pass
4**	7421.250	43.97	1.15	54.0	10.03	AV	264.00	400	Horizontal	Pass
5	10540.775	54.36	-2.51	68.2	13.84	Peak	225.00	150	Horizontal	Pass
5**	10540.775	46.21	-2.51	--	--	AV	225.00	150	Horizontal	N/A
6	16071.412	55.05	1.37	74.0	18.95	Peak	264.00	300	Horizontal	Pass
6**	16071.412	44.52	1.37	54.0	9.48	AV	264.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.600	38.27	-17.09	74.0	35.73	Peak	76.00	200	Vertical	Pass
1**	1534.600	29.70	-17.09	54.0	24.30	AV	76.00	200	Vertical	Pass
2	4324.250	47.10	-4.89	74.0	26.90	Peak	0.00	400	Vertical	Pass
2**	4324.250	38.09	-4.89	54.0	15.91	AV	0.00	400	Vertical	Pass
3	5273.750	98.84	-2.54	--	--	Peak	198.00	150	Vertical	N/A
3**	5273.750	92.11	-2.54	--	--	AV	198.00	150	Vertical	N/A
4	11739.437	52.70	-0.26	74.0	21.30	Peak	330.00	150	Vertical	Pass
4**	11739.437	42.77	-0.26	54.0	11.23	AV	330.00	150	Vertical	Pass
5	15812.325	54.19	1.19	74.0	19.81	Peak	203.00	150	Vertical	Pass
5**	15812.325	50.75	1.19	54.0	3.25	AV	203.00	150	Vertical	Pass
6	15819.150	59.26	1.28	74.0	14.74	Peak	237.00	400	Vertical	Pass
6**	15819.150	50.45	1.28	54.0	3.55	AV	237.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.800	38.55	-17.08	74.0	35.45	Peak	354.00	100	Horizontal	Pass
1**	1502.800	29.00	-17.08	54.0	25.00	AV	354.00	100	Horizontal	Pass
2	4256.000	46.68	-4.07	74.0	27.32	Peak	242.00	200	Horizontal	Pass
2**	4256.000	38.18	-4.07	54.0	15.82	AV	242.00	200	Horizontal	Pass
3	5306.250	95.38	-2.73	--	--	Peak	76.00	200	Horizontal	N/A
3**	5306.250	88.02	-2.73	--	--	AV	76.00	200	Horizontal	N/A
4	7710.500	53.47	1.96	74.0	20.53	Peak	35.00	200	Horizontal	Pass
4**	7710.500	44.36	1.96	54.0	9.64	AV	35.00	200	Horizontal	Pass
5	12439.113	52.86	1.05	74.0	21.14	Peak	164.00	150	Horizontal	Pass
5**	12439.113	42.94	1.05	54.0	11.06	AV	164.00	150	Horizontal	Pass
6	15918.375	54.92	1.71	74.0	19.08	Peak	237.00	100	Horizontal	Pass
6**	15918.375	45.48	1.71	54.0	8.52	AV	237.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.700	38.17	-16.99	74.0	35.83	Peak	193.00	200	Vertical	Pass
1**	1600.700	29.07	-16.99	54.0	24.93	AV	193.00	200	Vertical	Pass
2	3866.750	46.83	-6.21	74.0	27.17	Peak	244.00	100	Vertical	Pass
2**	3866.750	35.61	-6.21	54.0	18.39	AV	244.00	100	Vertical	Pass
3	5311.250	98.88	-3.30	--	--	Peak	202.00	100	Vertical	N/A
3**	5311.250	90.94	-3.30	--	--	AV	202.00	100	Vertical	N/A
4	10609.412	54.14	-2.01	74.0	19.86	Peak	283.00	150	Vertical	Pass
4**	10609.412	45.75	-2.01	54.0	8.25	AV	283.00	150	Vertical	Pass
5	15933.338	59.71	1.45	74.0	14.29	Peak	222.00	400	Vertical	Pass
5**	15933.338	48.39	1.45	54.0	5.61	AV	222.00	400	Vertical	Pass
6	15933.600	55.69	1.44	74.0	18.31	Peak	215.00	400	Vertical	Pass
6**	15933.600	50.97	1.44	54.0	3.03	AV	215.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.900	38.76	-17.08	74.0	35.24	Peak	280.00	100	Horizontal	Pass
1**	1491.900	28.35	-17.08	54.0	25.65	AV	280.00	100	Horizontal	Pass
2	4246.250	46.87	-4.29	74.0	27.13	Peak	81.00	200	Horizontal	Pass
2**	4246.250	38.30	-4.29	54.0	15.70	AV	81.00	200	Horizontal	Pass
3	5259.000	98.18	-2.95	--	--	Peak	57.00	200	Horizontal	N/A
3**	5259.000	90.16	-2.95	--	--	AV	57.00	200	Horizontal	N/A
4	10516.312	55.54	-1.82	68.2	12.66	Peak	225.00	200	Horizontal	Pass
4**	10516.312	45.52	-1.82	--	--	AV	225.00	200	Horizontal	N/A
5	12507.513	53.03	1.40	74.0	20.97	Peak	0.00	200	Horizontal	Pass
5**	12507.513	43.86	1.40	54.0	10.14	AV	0.00	200	Horizontal	Pass
6	15776.099	54.69	1.14	74.0	19.31	Peak	220.00	300	Horizontal	Pass
6**	15776.099	45.83	1.14	54.0	8.17	AV	220.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.100	38.19	-16.88	74.0	35.81	Peak	0.00	200	Vertical	Pass
1**	1503.100	28.56	-16.88	54.0	25.44	AV	0.00	200	Vertical	Pass
2	4375.000	47.38	-5.48	74.0	26.62	Peak	188.00	100	Vertical	Pass
2**	4375.000	37.32	-5.48	54.0	16.68	AV	188.00	100	Vertical	Pass
3	5262.500	99.98	-3.10	--	--	Peak	232.00	100	Vertical	N/A
3**	5262.500	93.24	-3.10	--	--	AV	232.00	100	Vertical	N/A
4	10516.076	56.26	-1.81	68.2	11.94	Peak	203.00	200	Vertical	Pass
4**	10516.076	48.39	-1.81	--	--	AV	203.00	200	Vertical	N/A
5	15783.975	53.88	1.11	74.0	20.12	Peak	210.00	200	Vertical	Pass
5**	15783.975	50.42	1.11	54.0	3.58	AV	210.00	200	Vertical	Pass
6	15786.075	59.40	1.10	74.0	14.60	Peak	227.00	400	Vertical	Pass
6**	15786.075	48.44	1.10	54.0	5.56	AV	227.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.800	38.71	-16.94	74.0	35.29	Peak	268.00	300	Horizontal	Pass
1**	1618.800	28.79	-16.94	54.0	25.21	AV	268.00	300	Horizontal	Pass
2	4283.750	47.15	-4.65	74.0	26.85	Peak	342.00	400	Horizontal	Pass
2**	4283.750	37.61	-4.65	54.0	16.39	AV	342.00	400	Horizontal	Pass
3	5298.250	97.77	-2.76	--	--	Peak	67.00	100	Horizontal	N/A
3**	5298.250	90.32	-2.76	--	--	AV	67.00	100	Horizontal	N/A
4	7665.000	53.13	1.22	74.0	20.87	Peak	342.00	400	Horizontal	Pass
4**	7665.000	43.96	1.22	54.0	10.04	AV	342.00	400	Horizontal	Pass
5	10600.863	54.45	-1.79	74.0	19.55	Peak	215.00	200	Horizontal	Pass
5**	10600.863	46.05	-1.79	54.0	7.95	AV	215.00	200	Horizontal	Pass
6	15899.737	54.92	2.02	74.0	19.08	Peak	252.00	200	Horizontal	Pass
6**	15899.737	45.77	2.02	54.0	8.23	AV	252.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.400	38.23	-16.88	74.0	35.77	Peak	55.00	300	Vertical	Pass
1**	1616.400	29.06	-16.88	54.0	24.94	AV	55.00	300	Vertical	Pass
2	4323.250	47.46	-4.71	74.0	26.54	Peak	33.00	200	Vertical	Pass
2**	4323.250	38.11	-4.71	54.0	15.89	AV	33.00	200	Vertical	Pass
3	5301.500	99.06	-2.76	--	--	Peak	220.00	150	Vertical	N/A
3**	5301.500	92.13	-2.76	--	--	AV	220.00	150	Vertical	N/A
4	10601.575	55.13	-1.81	74.0	18.87	Peak	290.00	150	Vertical	Pass
4**	10601.575	47.19	-1.81	54.0	6.81	AV	290.00	150	Vertical	Pass
5	15902.888	54.63	1.98	74.0	19.37	Peak	225.00	150	Vertical	Pass
5**	15902.888	50.61	1.98	54.0	3.39	AV	225.00	150	Vertical	Pass
6	15905.250	58.19	1.94	74.0	15.81	Peak	241.00	100	Vertical	Pass
6**	15905.250	47.56	1.94	54.0	6.44	AV	241.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.300	38.17	-17.03	74.0	35.83	Peak	33.00	300	Horizontal	Pass
1**	1471.300	28.86	-17.03	54.0	25.14	AV	33.00	300	Horizontal	Pass
2	4346.750	46.90	-4.81	74.0	27.10	Peak	67.00	200	Horizontal	Pass
2**	4346.750	37.15	-4.81	54.0	16.85	AV	67.00	200	Horizontal	Pass
3	5321.250	97.52	-2.95	--	--	Peak	67.00	150	Horizontal	N/A
3**	5321.250	89.48	-2.95	--	--	AV	67.00	150	Horizontal	N/A
4	7696.750	53.14	1.10	74.0	20.86	Peak	0.00	100	Horizontal	Pass
4**	7696.750	43.61	1.10	54.0	10.39	AV	0.00	100	Horizontal	Pass
5	10640.763	55.01	-2.82	74.0	18.99	Peak	202.00	200	Horizontal	Pass
5**	10640.763	46.90	-2.82	54.0	7.10	AV	202.00	200	Horizontal	Pass
6	15415.425	54.35	2.65	74.0	19.65	Peak	360.00	400	Horizontal	Pass
6**	15415.425	44.35	2.65	54.0	9.65	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.900	38.10	-17.34	74.0	35.90	Peak	341.00	400	Vertical	Pass
1**	1552.900	28.98	-17.34	54.0	25.02	AV	341.00	400	Vertical	Pass
2	4241.750	47.31	-4.72	74.0	26.69	Peak	230.00	200	Vertical	Pass
2**	4241.750	37.72	-4.72	54.0	16.28	AV	230.00	200	Vertical	Pass
3	5321.500	101.34	-2.68	--	--	Peak	205.00	150	Vertical	N/A
3**	5321.500	93.86	-2.68	--	--	AV	205.00	150	Vertical	N/A
4	10635.775	56.31	-2.69	74.0	17.69	Peak	291.00	100	Vertical	Pass
4**	10635.775	46.97	-2.69	54.0	7.03	AV	291.00	100	Vertical	Pass
5	15959.588	54.69	1.18	74.0	19.31	Peak	224.00	100	Vertical	Pass
5**	15959.588	50.55	1.18	54.0	3.45	AV	224.00	100	Vertical	Pass
6	15960.637	58.21	1.18	74.0	15.79	Peak	215.00	100	Vertical	Pass
6**	15960.637	50.41	1.18	54.0	3.59	AV	215.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.200	38.51	-16.45	74.0	35.49	Peak	343.00	300	Horizontal	Pass
1**	1512.200	29.24	-16.45	54.0	24.76	AV	343.00	300	Horizontal	Pass
2	4365.250	46.51	-4.63	74.0	27.49	Peak	246.00	400	Horizontal	Pass
2**	4365.250	38.29	-4.63	54.0	15.71	AV	246.00	400	Horizontal	Pass
3	5273.250	96.95	-2.56	--	--	Peak	69.00	150	Horizontal	N/A
3**	5273.250	89.81	-2.56	--	--	AV	69.00	150	Horizontal	N/A
4	10536.500	55.18	-2.39	68.2	13.02	Peak	217.00	150	Horizontal	Pass
4**	10536.500	46.10	-2.39	--	--	AV	217.00	150	Horizontal	N/A
5	12535.063	52.63	1.24	74.0	21.37	Peak	125.00	100	Horizontal	Pass
5**	12535.063	43.31	1.24	54.0	10.69	AV	125.00	100	Horizontal	Pass
6	15637.500	55.09	1.83	74.0	18.91	Peak	23.00	400	Horizontal	Pass
6**	15637.500	44.21	1.83	54.0	9.79	AV	23.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.900	38.52	-16.88	74.0	35.48	Peak	179.00	300	Vertical	Pass
1**	1509.900	28.68	-16.88	54.0	25.32	AV	179.00	300	Vertical	Pass
2	4311.250	46.92	-5.45	74.0	27.08	Peak	61.00	200	Vertical	Pass
2**	4311.250	36.87	-5.45	54.0	17.13	AV	61.00	200	Vertical	Pass
3	5272.000	99.22	-2.75	--	--	Peak	225.00	150	Vertical	N/A
3**	5272.000	91.14	-2.75	--	--	AV	225.00	150	Vertical	N/A
4	12341.262	52.70	0.80	74.0	21.30	Peak	206.00	150	Vertical	Pass
4**	12341.262	43.84	0.80	54.0	10.16	AV	206.00	150	Vertical	Pass
5	15804.450	57.18	1.10	74.0	16.82	Peak	213.00	200	Vertical	Pass
5**	15804.450	48.52	1.10	54.0	5.48	AV	213.00	200	Vertical	Pass
6	15817.050	53.86	1.25	74.0	20.14	Peak	230.00	200	Vertical	Pass
6**	15817.050	50.27	1.25	54.0	3.73	AV	230.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.200	38.57	-17.16	74.0	35.43	Peak	5.00	200	Horizontal	Pass
1**	1494.200	28.33	-17.16	54.0	25.67	AV	5.00	200	Horizontal	Pass
2	4290.500	47.26	-4.67	74.0	26.74	Peak	242.00	300	Horizontal	Pass
2**	4290.500	39.38	-4.67	54.0	14.62	AV	242.00	300	Horizontal	Pass
3	5305.250	95.74	-2.77	--	--	Peak	59.00	150	Horizontal	N/A
3**	5305.250	87.60	-2.77	--	--	AV	59.00	150	Horizontal	N/A
4	7705.000	54.66	2.03	74.0	19.34	Peak	120.00	300	Horizontal	Pass
4**	7705.000	45.26	2.03	54.0	8.74	AV	120.00	300	Horizontal	Pass
5	10622.474	52.80	-2.35	74.0	21.20	Peak	196.00	150	Horizontal	Pass
5**	10622.474	43.92	-2.35	54.0	10.08	AV	196.00	150	Horizontal	Pass
6	15669.787	54.86	1.93	74.0	19.14	Peak	334.00	200	Horizontal	Pass
6**	15669.787	45.00	1.93	54.0	9.00	AV	334.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.100	38.46	-16.90	74.0	35.54	Peak	260.00	300	Vertical	Pass
1**	1499.100	29.10	-16.90	54.0	24.90	AV	260.00	300	Vertical	Pass
2	4324.000	46.71	-4.89	74.0	27.29	Peak	261.00	400	Vertical	Pass
2**	4324.000	37.96	-4.89	54.0	16.04	AV	261.00	400	Vertical	Pass
3	5311.750	98.53	-3.20	--	--	Peak	220.00	150	Vertical	N/A
3**	5311.750	92.18	-3.20	--	--	AV	220.00	150	Vertical	N/A
4	10617.250	53.83	-2.21	74.0	20.17	Peak	295.00	200	Vertical	Pass
4**	10617.250	44.65	-2.21	54.0	9.35	AV	295.00	200	Vertical	Pass
5	15918.113	58.66	1.71	74.0	15.34	Peak	230.00	200	Vertical	Pass
5**	15918.113	48.32	1.71	54.0	5.68	AV	230.00	200	Vertical	Pass
6	15931.237	55.69	1.48	74.0	18.31	Peak	246.00	200	Vertical	Pass
6**	15931.237	50.81	1.48	54.0	3.19	AV	246.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.200	38.07	-16.84	74.0	35.93	Peak	156.00	100	Horizontal	Pass
1**	1606.200	28.91	-16.84	54.0	25.09	AV	156.00	100	Horizontal	Pass
2	4369.500	47.17	-4.95	74.0	26.83	Peak	96.00	100	Horizontal	Pass
2**	4369.500	38.17	-4.95	54.0	15.83	AV	96.00	100	Horizontal	Pass
3	5286.250	94.54	-2.84	--	--	Peak	76.00	100	Horizontal	N/A
3**	5286.250	87.21	-2.84	--	--	AV	76.00	100	Horizontal	N/A
4	7516.000	53.45	0.06	74.0	20.55	Peak	117.00	300	Horizontal	Pass
4**	7516.000	42.86	0.06	54.0	11.14	AV	117.00	300	Horizontal	Pass
5	10607.275	52.73	-1.96	74.0	21.27	Peak	222.00	200	Horizontal	Pass
5**	10607.275	42.08	-1.96	54.0	11.92	AV	222.00	200	Horizontal	Pass
6	15921.000	54.57	1.66	74.0	19.43	Peak	290.00	100	Horizontal	Pass
6**	15921.000	45.21	1.66	54.0	8.79	AV	290.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1545.800	38.31	-17.31	74.0	35.69	Peak	242.00	100	Vertical	Pass
1**	1545.800	29.64	-17.31	54.0	24.36	AV	242.00	100	Vertical	Pass
2	4238.500	46.61	-4.98	74.0	27.39	Peak	57.00	400	Vertical	Pass
2**	4238.500	37.22	-4.98	54.0	16.78	AV	57.00	400	Vertical	Pass
3	5283.000	97.73	-2.98	--	--	Peak	241.00	100	Vertical	N/A
3**	5283.000	90.18	-2.98	--	--	AV	241.00	100	Vertical	N/A
4	10601.338	53.65	-1.80	74.0	20.35	Peak	281.00	100	Vertical	Pass
4**	10601.338	45.88	-1.80	54.0	8.12	AV	281.00	100	Vertical	Pass
5	15902.888	56.01	1.98	74.0	17.99	Peak	239.00	100	Vertical	Pass
5**	15902.888	50.99	1.98	54.0	3.01	AV	239.00	100	Vertical	Pass
6	15903.412	57.29	1.97	74.0	16.71	Peak	225.00	300	Vertical	Pass
6**	15903.412	50.87	1.97	54.0	3.13	AV	225.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.500	38.39	-16.93	74.0	35.61	Peak	130.00	200	Horizontal	Pass
1**	1616.500	28.33	-16.93	54.0	25.67	AV	130.00	200	Horizontal	Pass
2	4377.000	46.58	-4.92	74.0	27.42	Peak	128.00	400	Horizontal	Pass
2**	4377.000	37.31	-4.92	54.0	16.69	AV	128.00	400	Horizontal	Pass
3	5746.250	95.23	-1.99	--	--	Peak	106.00	200	Horizontal	Pass
3**	5746.250	88.60	-1.99	--	--	AV	106.00	200	Horizontal	N/A
4	11491.013	51.55	-0.74	74.0	22.45	Peak	356.00	100	Horizontal	Pass
4**	11491.013	47.36	-0.74	54.0	6.64	AV	356.00	100	Horizontal	Pass
5	11493.387	54.22	-0.70	74.0	19.78	Peak	341.00	100	Horizontal	Pass
5**	11493.387	45.71	-0.70	54.0	8.29	AV	341.00	100	Horizontal	Pass
6	16136.250	54.64	2.04	74.0	19.36	Peak	180.00	400	Horizontal	Pass
6**	16136.250	45.69	2.04	54.0	8.31	AV	180.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1535.200	38.06	-17.30	74.0	35.94	Peak	297.00	200	Vertical	Pass
1**	1535.200	29.21	-17.30	54.0	24.79	AV	297.00	200	Vertical	Pass
2	4336.750	47.34	-4.63	74.0	26.66	Peak	324.00	300	Vertical	Pass
2**	4336.750	38.66	-4.63	54.0	15.34	AV	324.00	300	Vertical	Pass
3	5743.250	99.68	-2.09	--	--	Peak	247.00	100	Vertical	N/A
3**	5743.250	92.34	-2.09	--	--	AV	247.00	100	Vertical	N/A
4	11494.338	56.62	-0.69	74.0	17.38	Peak	290.00	100	Vertical	Pass
4**	11494.338	50.56	-0.69	54.0	3.44	AV	290.00	100	Vertical	Pass
5	11495.525	57.18	-0.67	74.0	16.82	Peak	273.00	150	Vertical	Pass
5**	11495.525	49.07	-0.67	54.0	4.93	AV	273.00	150	Vertical	Pass
6	16098.713	54.36	1.73	74.0	19.64	Peak	273.00	400	Vertical	Pass
6**	16098.713	45.72	1.73	54.0	8.28	AV	273.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1607.600	38.50	-16.99	74.0	35.50	Peak	288.00	100	Horizontal	Pass
1**	1607.600	28.82	-16.99	54.0	25.18	AV	288.00	100	Horizontal	Pass
2	4315.000	47.51	-5.00	74.0	26.49	Peak	210.00	400	Horizontal	Pass
2**	4315.000	38.90	-5.00	54.0	15.10	AV	210.00	400	Horizontal	Pass
3	5786.500	95.56	-2.25	--	--	Peak	93.00	100	Horizontal	N/A
3**	5786.500	88.51	-2.25	--	--	AV	93.00	100	Horizontal	N/A
4	7676.250	53.34	0.76	74.0	20.66	Peak	139.00	200	Horizontal	Pass
4**	7676.250	44.30	0.76	54.0	9.70	AV	139.00	200	Horizontal	Pass
5	11567.725	52.63	-1.02	74.0	21.37	Peak	354.00	100	Horizontal	Pass
5**	11567.725	45.04	-1.02	54.0	8.96	AV	354.00	100	Horizontal	Pass
6	16119.713	54.81	1.91	74.0	19.19	Peak	123.00	100	Horizontal	Pass
6**	16119.713	45.38	1.91	54.0	8.62	AV	123.00	100	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	1524.200	38.49	-17.03	74.0	35.51	Peak	360.00	200	Vertical	Pass
1**	1524.200	28.99	-17.03	54.0	25.01	AV	360.00	200	Vertical	Pass
2	4290.500	47.62	-4.67	74.0	26.38	Peak	268.00	200	Vertical	Pass
2**	4290.500	37.34	-4.67	54.0	16.66	AV	268.00	200	Vertical	Pass
3	5786.750	98.95	-2.38	--	--	Peak	244.00	150	Vertical	N/A
3**	5786.750	91.82	-2.38	--	--	AV	244.00	150	Vertical	N/A
4	11570.813	58.79	-0.98	74.0	15.21	Peak	237.00	200	Vertical	Pass
4**	11570.813	48.23	-0.98	54.0	5.77	AV	237.00	200	Vertical	Pass
5	11571.049	54.17	-0.97	74.0	19.83	Peak	285.00	200	Vertical	Pass
5**	11571.049	50.95	-0.97	54.0	3.05	AV	285.00	200	Vertical	Pass
6	16103.175	54.55	1.78	74.0	19.45	Peak	271.00	400	Vertical	Pass
6**	16103.175	45.50	1.78	54.0	8.50	AV	271.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.100	38.04	-16.94	74.0	35.96	Peak	212.00	200	Horizontal	Pass
1**	1439.100	28.77	-16.94	54.0	25.23	AV	212.00	200	Horizontal	Pass
2	4259.750	47.06	-4.42	74.0	26.94	Peak	96.00	400	Horizontal	Pass
2**	4259.750	38.11	-4.42	54.0	15.89	AV	96.00	400	Horizontal	Pass
3	5822.500	95.48	-2.53	--	--	Peak	96.00	150	Horizontal	N/A
3**	5822.500	87.91	-2.53	--	--	AV	96.00	150	Horizontal	N/A
4	7706.000	53.19	1.53	74.0	20.81	Peak	360.00	100	Horizontal	Pass
4**	7706.000	44.43	1.53	54.0	9.57	AV	360.00	100	Horizontal	Pass
5	11647.050	54.41	-1.30	74.0	19.59	Peak	251.00	200	Horizontal	Pass
5**	11647.050	43.12	-1.30	54.0	10.88	AV	251.00	200	Horizontal	Pass
6	15655.875	54.72	2.08	74.0	19.28	Peak	356.00	400	Horizontal	Pass
6**	15655.875	44.78	2.08	54.0	9.22	AV	356.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.800	38.52	-16.86	74.0	35.48	Peak	0.00	200	Vertical	Pass
1**	1623.800	28.78	-16.86	54.0	25.22	AV	0.00	200	Vertical	Pass
2	4247.750	46.80	-4.60	74.0	27.20	Peak	157.00	400	Vertical	Pass
2**	4247.750	37.54	-4.60	54.0	16.46	AV	157.00	400	Vertical	Pass
3	5822.250	99.04	-2.34	--	--	Peak	276.00	100	Vertical	N/A
3**	5822.250	91.29	-2.34	--	--	AV	276.00	100	Vertical	N/A
4	11651.800	55.90	-1.32	74.0	18.10	Peak	263.00	200	Vertical	Pass
4**	11651.800	50.93	-1.32	54.0	3.07	AV	263.00	200	Vertical	Pass
5	11653.701	58.68	-1.29	74.0	15.32	Peak	254.00	200	Vertical	Pass
5**	11653.701	49.38	-1.29	54.0	4.62	AV	254.00	200	Vertical	Pass
6	17473.425	59.03	5.13	68.2	9.17	Peak	194.00	200	Vertical	Pass
6**	17473.425	47.28	5.13	--	--	AV	194.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.000	38.21	-17.20	74.0	35.79	Peak	137.00	300	Horizontal	Pass
1**	1592.000	28.56	-17.20	54.0	25.44	AV	137.00	300	Horizontal	Pass
2	4260.250	46.85	-4.42	74.0	27.15	Peak	16.00	300	Horizontal	Pass
2**	4260.250	37.91	-4.42	54.0	16.09	AV	16.00	300	Horizontal	Pass
3	5744.000	95.35	-2.18	--	--	Peak	96.00	200	Horizontal	Pass
3**	5744.000	87.87	-2.18	--	--	AV	96.00	200	Horizontal	N/A
4	11494.100	54.42	-0.69	74.0	19.58	Peak	225.00	100	Horizontal	Pass
4**	11494.100	44.65	-0.69	54.0	9.35	AV	225.00	100	Horizontal	Pass
5	11494.338	52.12	-0.69	74.0	21.88	Peak	349.00	100	Horizontal	Pass
5**	11494.338	46.43	-0.69	54.0	7.57	AV	349.00	100	Horizontal	Pass
6	16108.162	54.54	1.82	74.0	19.46	Peak	188.00	200	Horizontal	Pass
6**	16108.162	46.21	1.82	54.0	7.79	AV	188.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.600	38.40	-17.12	74.0	35.60	Peak	152.00	300	Vertical	Pass
1**	1489.600	29.60	-17.12	54.0	24.40	AV	152.00	300	Vertical	Pass
2	4336.500	47.13	-4.89	74.0	26.87	Peak	122.00	200	Vertical	Pass
2**	4336.500	37.52	-4.89	54.0	16.48	AV	122.00	200	Vertical	Pass
3	5746.500	98.97	-2.01	--	--	Peak	242.00	100	Vertical	N/A
3**	5746.500	91.90	-2.01	--	--	AV	242.00	100	Vertical	N/A
4	11492.200	55.13	-0.72	74.0	18.87	Peak	271.00	100	Vertical	Pass
4**	11492.200	50.33	-0.72	54.0	3.67	AV	271.00	100	Vertical	Pass
5	11492.437	58.20	-0.72	74.0	15.80	Peak	242.00	200	Vertical	Pass
5**	11492.437	49.00	-0.72	54.0	5.00	AV	242.00	200	Vertical	Pass
6	16121.813	54.78	1.93	74.0	19.22	Peak	208.00	400	Vertical	Pass
6**	16121.813	46.00	1.93	54.0	8.00	AV	208.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.600	39.03	-16.93	74.0	34.97	Peak	360.00	400	Horizontal	Pass
1**	1597.600	28.48	-16.93	54.0	25.52	AV	360.00	400	Horizontal	Pass
2	4260.000	46.88	-4.35	74.0	27.12	Peak	111.00	200	Horizontal	Pass
2**	4260.000	37.52	-4.35	54.0	16.48	AV	111.00	200	Horizontal	Pass
3	5783.750	95.21	-2.79	--	--	Peak	88.00	200	Horizontal	N/A
3**	5783.750	87.70	-2.79	--	--	AV	88.00	200	Horizontal	N/A
4	7645.500	53.32	1.05	74.0	20.68	Peak	208.00	300	Horizontal	Pass
4**	7645.500	43.68	1.05	54.0	10.32	AV	208.00	300	Horizontal	Pass
5	11570.099	52.76	-0.99	74.0	21.24	Peak	285.00	200	Horizontal	Pass
5**	11570.099	44.21	-0.99	54.0	9.79	AV	285.00	200	Horizontal	Pass
6	16080.338	55.27	1.49	74.0	18.73	Peak	164.00	200	Horizontal	Pass
6**	16080.338	46.12	1.49	54.0	7.88	AV	164.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.800	38.35	-16.75	74.0	35.65	Peak	360.00	100	Vertical	Pass
1**	1613.800	29.00	-16.75	54.0	25.00	AV	360.00	100	Vertical	Pass
2	4259.000	47.60	-4.33	74.0	26.40	Peak	360.00	300	Vertical	Pass
2**	4259.000	37.68	-4.33	54.0	16.32	AV	360.00	300	Vertical	Pass
3	5786.000	98.65	-2.41	--	--	Peak	276.00	100	Vertical	N/A
3**	5786.000	91.40	-2.41	--	--	AV	276.00	100	Vertical	N/A
4	7705.250	53.41	2.03	74.0	20.59	Peak	178.00	100	Vertical	Pass
4**	7705.250	45.58	2.03	54.0	8.42	AV	178.00	100	Vertical	Pass
5	11571.526	57.49	-0.97	74.0	16.51	Peak	290.00	100	Vertical	Pass
5**	11571.526	50.01	-0.97	54.0	3.99	AV	290.00	100	Vertical	Pass
6	16100.813	54.58	1.76	74.0	19.42	Peak	224.00	200	Vertical	Pass
6**	16100.813	46.00	1.76	54.0	8.00	AV	224.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1620.000	38.34	-16.86	74.0	35.66	Peak	279.00	300	Horizontal	Pass
1**	1620.000	29.16	-16.86	54.0	24.84	AV	279.00	300	Horizontal	Pass
2	4352.750	46.58	-4.62	74.0	27.42	Peak	327.00	400	Horizontal	Pass
2**	4352.750	38.06	-4.62	54.0	15.94	AV	327.00	400	Horizontal	Pass
3	5823.250	95.45	-2.66	--	--	Peak	86.00	100	Horizontal	N/A
3**	5823.250	88.03	-2.66	--	--	AV	86.00	100	Horizontal	N/A
4	7422.500	53.97	1.35	74.0	20.03	Peak	360.00	300	Horizontal	Pass
4**	7422.500	43.38	1.35	54.0	10.62	AV	360.00	300	Horizontal	Pass
5	11652.513	53.77	-1.31	74.0	20.23	Peak	239.00	200	Horizontal	Pass
5**	11652.513	44.86	-1.31	54.0	9.14	AV	239.00	200	Horizontal	Pass
6	16081.651	55.44	1.51	74.0	18.56	Peak	120.00	100	Horizontal	Pass
6**	16081.651	44.73	1.51	54.0	9.27	AV	120.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.800	38.32	-17.02	74.0	35.68	Peak	320.00	100	Vertical	Pass
1**	1488.800	29.01	-17.02	54.0	24.99	AV	320.00	100	Vertical	Pass
2	4119.000	47.53	-5.61	74.0	26.47	Peak	75.00	100	Vertical	Pass
2**	4119.000	37.54	-5.61	54.0	16.46	AV	75.00	100	Vertical	Pass
3	5826.500	99.78	-2.70	--	--	Peak	274.00	150	Vertical	N/A
3**	5826.500	91.92	-2.70	--	--	AV	274.00	150	Vertical	N/A
4	11645.625	58.15	-1.28	74.0	15.85	Peak	258.00	150	Vertical	Pass
4**	11645.625	46.90	-1.28	54.0	7.10	AV	258.00	150	Vertical	Pass
5	11653.701	54.75	-1.29	74.0	19.25	Peak	249.00	200	Vertical	Pass
5**	11653.701	50.50	-1.29	54.0	3.50	AV	249.00	200	Vertical	Pass
6	17476.575	59.64	5.07	68.2	8.56	Peak	223.00	200	Vertical	Pass
6**	17476.575	48.50	5.07	--	--	AV	223.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1610.900	39.00	-17.05	74.0	35.00	Peak	339.00	300	Horizontal	Pass
1**	1610.900	28.76	-17.05	54.0	25.24	AV	339.00	300	Horizontal	Pass
2	4336.250	46.92	-4.87	74.0	27.08	Peak	197.00	200	Horizontal	Pass
2**	4336.250	37.63	-4.87	54.0	16.37	AV	197.00	200	Horizontal	Pass
3	5751.500	94.00	-2.10	--	--	Peak	96.00	100	Horizontal	Pass
3**	5751.500	86.59	-2.10	--	--	AV	96.00	100	Horizontal	N/A
4	7704.750	53.75	2.00	74.0	20.25	Peak	16.00	200	Horizontal	Pass
4**	7704.750	44.78	2.00	54.0	9.22	AV	16.00	200	Horizontal	Pass
5	11514.050	54.21	-0.77	74.0	19.79	Peak	334.00	100	Horizontal	Pass
5**	11514.050	45.05	-0.77	54.0	8.95	AV	334.00	100	Horizontal	Pass
6	16131.787	54.52	2.01	74.0	19.48	Peak	114.00	400	Horizontal	Pass
6**	16131.787	45.32	2.01	54.0	8.68	AV	114.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	38.49	-16.94	74.0	35.51	Peak	50.00	300	Vertical	Pass
1**	1484.700	29.41	-16.94	54.0	24.59	AV	50.00	300	Vertical	Pass
2	4150.500	46.96	-5.35	74.0	27.04	Peak	174.00	300	Vertical	Pass
2**	4150.500	37.20	-5.35	54.0	16.80	AV	174.00	300	Vertical	Pass
3	5753.500	97.72	-2.30	--	--	Peak	254.00	200	Vertical	N/A
3**	5753.500	90.02	-2.30	--	--	AV	254.00	200	Vertical	N/A
4	11500.750	54.78	-0.60	74.0	19.22	Peak	252.00	300	Vertical	Pass
4**	11500.750	50.67	-0.60	54.0	3.33	AV	252.00	300	Vertical	Pass
5	11511.675	57.39	-0.74	74.0	16.61	Peak	239.00	200	Vertical	Pass
5**	11511.675	50.66	-0.74	54.0	3.34	AV	239.00	200	Vertical	Pass
6	17253.712	58.19	2.46	68.2	10.01	Peak	249.00	300	Vertical	Pass
6**	17253.712	46.63	2.46	--	--	AV	249.00	300	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.200	38.46	-17.45	74.0	35.54	Peak	1.00	400	Horizontal	Pass
1**	1459.200	28.41	-17.45	54.0	25.59	AV	1.00	400	Horizontal	Pass
2	4107.750	47.05	-5.96	74.0	26.95	Peak	320.00	200	Horizontal	Pass
2**	4107.750	37.22	-5.96	54.0	16.78	AV	320.00	200	Horizontal	Pass
3	5798.750	94.98	-2.10	--	--	Peak	77.00	200	Horizontal	N/A
3**	5798.750	86.80	-2.10	--	--	AV	77.00	200	Horizontal	N/A
4	7678.000	53.48	1.17	74.0	20.52	Peak	16.00	100	Horizontal	Pass
4**	7678.000	44.19	1.17	54.0	9.81	AV	16.00	100	Horizontal	Pass
5	12278.325	53.31	0.79	74.0	20.69	Peak	360.00	100	Horizontal	Pass
5**	12278.325	43.21	0.79	54.0	10.79	AV	360.00	100	Horizontal	Pass
6	16154.100	55.27	2.12	74.0	18.73	Peak	19.00	200	Horizontal	Pass
6**	16154.100	45.31	2.12	54.0	8.69	AV	19.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.700	38.23	-17.01	74.0	35.77	Peak	231.00	400	Vertical	Pass
1**	1590.700	28.16	-17.01	54.0	25.84	AV	231.00	400	Vertical	Pass
2	4318.250	47.10	-5.16	74.0	26.90	Peak	16.00	200	Vertical	Pass
2**	4318.250	37.47	-5.16	54.0	16.53	AV	16.00	200	Vertical	Pass
3	5793.750	97.76	-2.16	--	--	Peak	278.00	100	Vertical	N/A
3**	5793.750	90.96	-2.16	--	--	AV	278.00	100	Vertical	N/A
4	11590.287	57.67	-0.73	74.0	16.33	Peak	244.00	150	Vertical	Pass
4**	11590.287	47.94	-0.73	54.0	6.06	AV	244.00	150	Vertical	Pass
5	11594.325	56.57	-0.68	74.0	17.43	Peak	266.00	100	Vertical	Pass
5**	11594.325	50.99	-0.68	54.0	3.01	AV	266.00	100	Vertical	Pass
6	17373.151	58.63	4.18	68.2	9.57	Peak	235.00	150	Vertical	Pass
6**	17373.151	47.46	4.18	--	--	AV	235.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.700	38.59	-17.22	74.0	35.41	Peak	217.00	200	Horizontal	Pass
1**	1528.700	29.03	-17.22	54.0	24.97	AV	217.00	200	Horizontal	Pass
2	4266.500	46.81	-4.83	74.0	27.19	Peak	45.00	200	Horizontal	Pass
2**	4266.500	38.13	-4.83	54.0	15.87	AV	45.00	200	Horizontal	Pass
3	5743.500	95.10	-2.14	--	--	Peak	69.00	150	Horizontal	N/A
3**	5743.500	87.33	-2.14	--	--	AV	69.00	150	Horizontal	N/A
4	11489.112	53.16	-0.78	74.0	20.84	Peak	339.00	100	Horizontal	Pass
4**	11489.112	45.25	-0.78	54.0	8.75	AV	339.00	100	Horizontal	Pass
5	11491.488	51.85	-0.74	74.0	22.15	Peak	339.00	150	Horizontal	Pass
5**	11491.488	46.89	-0.74	54.0	7.11	AV	339.00	150	Horizontal	Pass
6	17228.511	58.38	3.14	68.2	9.82	Peak	252.00	100	Horizontal	Pass
6**	17228.511	47.35	3.14	--	--	AV	252.00	100	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.000	38.29	-17.04	74.0	35.71	Peak	254.00	400	Vertical	Pass
1**	1617.000	29.18	-17.04	54.0	24.82	AV	254.00	400	Vertical	Pass
2	4292.750	47.23	-4.73	74.0	26.77	Peak	67.00	100	Vertical	Pass
2**	4292.750	37.35	-4.73	54.0	16.65	AV	67.00	100	Vertical	Pass
3	5746.500	99.01	-2.01	--	--	Peak	261.00	150	Vertical	N/A
3**	5746.500	92.04	-2.01	--	--	AV	261.00	150	Vertical	N/A
4	11491.250	56.04	-0.74	74.0	17.96	Peak	239.00	150	Vertical	Pass
4**	11491.250	50.39	-0.74	54.0	3.61	AV	239.00	150	Vertical	Pass
5	11494.338	58.39	-0.69	74.0	15.61	Peak	263.00	200	Vertical	Pass
5**	11494.338	48.50	-0.69	54.0	5.50	AV	263.00	200	Vertical	Pass
6	15925.987	54.27	1.58	74.0	19.73	Peak	38.00	100	Vertical	Pass
6**	15925.987	44.41	1.58	54.0	9.59	AV	38.00	100	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	1443.100	38.19	-16.86	74.0	35.81	Peak	0.00	200	Horizontal	Pass
1**	1443.100	28.68	-16.86	54.0	25.32	AV	0.00	200	Horizontal	Pass
2	4366.500	46.93	-4.91	74.0	27.07	Peak	319.00	100	Horizontal	Pass
2**	4366.500	37.92	-4.91	54.0	16.08	AV	319.00	100	Horizontal	Pass
3	5786.250	95.64	-2.30	--	--	Peak	76.00	200	Horizontal	N/A
3**	5786.250	88.20	-2.30	--	--	AV	76.00	200	Horizontal	N/A
4	7678.750	53.08	0.87	74.0	20.92	Peak	96.00	400	Horizontal	Pass
4**	7678.750	43.80	0.87	54.0	10.20	AV	96.00	400	Horizontal	Pass
5	11568.675	53.00	-1.00	74.0	21.00	Peak	349.00	200	Horizontal	Pass
5**	11568.675	44.45	-1.00	54.0	9.55	AV	349.00	200	Horizontal	Pass
6	15659.550	54.02	2.04	74.0	19.98	Peak	270.00	100	Horizontal	Pass
6**	15659.550	45.56	2.04	54.0	8.44	AV	270.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1604.900	38.15	-16.65	74.0	35.85	Peak	269.00	100	Vertical	Pass
1**	1604.900	29.56	-16.65	54.0	24.44	AV	269.00	100	Vertical	Pass
2	4108.250	47.43	-5.80	74.0	26.57	Peak	157.00	400	Vertical	Pass
2**	4108.250	37.41	-5.80	54.0	16.59	AV	157.00	400	Vertical	Pass
3	5786.500	99.10	-2.25	--	--	Peak	278.00	150	Vertical	N/A
3**	5786.500	91.44	-2.25	--	--	AV	278.00	150	Vertical	N/A
4	11569.150	57.50	-1.00	74.0	16.50	Peak	237.00	150	Vertical	Pass
4**	11569.150	48.02	-1.00	54.0	5.98	AV	237.00	150	Vertical	Pass
5	11572.475	54.85	-0.96	74.0	19.15	Peak	237.00	150	Vertical	Pass
5**	11572.475	50.18	-0.96	54.0	3.82	AV	237.00	150	Vertical	Pass
6	16075.088	55.05	1.42	74.0	18.95	Peak	239.00	400	Vertical	Pass
6**	16075.088	45.22	1.42	54.0	8.78	AV	239.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.100	38.74	-16.75	74.0	35.26	Peak	54.00	200	Horizontal	Pass
1**	1616.100	29.67	-16.75	54.0	24.33	AV	54.00	200	Horizontal	Pass
2	4260.000	47.46	-4.35	74.0	26.54	Peak	41.00	100	Horizontal	Pass
2**	4260.000	39.36	-4.35	54.0	14.64	AV	41.00	100	Horizontal	Pass
3	5826.250	95.61	-2.69	--	--	Peak	87.00	100	Horizontal	N/A
3**	5826.250	88.59	-2.69	--	--	AV	87.00	100	Horizontal	N/A
4	7440.250	53.95	0.61	74.0	20.05	Peak	155.00	300	Horizontal	Pass
4**	7440.250	43.75	0.61	54.0	10.25	AV	155.00	300	Horizontal	Pass
5	11800.713	53.18	-0.15	74.0	20.82	Peak	314.00	150	Horizontal	Pass
5**	11800.713	43.40	-0.15	54.0	10.60	AV	314.00	150	Horizontal	Pass
6	17468.436	58.21	5.23	68.2	9.99	Peak	270.00	200	Horizontal	Pass
6**	17468.436	49.06	5.23	--	--	AV	270.00	200	Horizontal	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.500	38.64	-16.90	74.0	35.36	Peak	329.00	400	Vertical	Pass
1**	1582.500	28.55	-16.90	54.0	25.45	AV	329.00	400	Vertical	Pass
2	4375.250	46.96	-5.46	74.0	27.04	Peak	354.00	100	Vertical	Pass
2**	4375.250	36.73	-5.46	54.0	17.27	AV	354.00	100	Vertical	Pass
3	5823.000	98.97	-2.53	--	--	Peak	295.00	200	Vertical	N/A
3**	5823.000	91.97	-2.53	--	--	AV	295.00	200	Vertical	N/A
4	7483.500	53.27	1.28	74.0	20.73	Peak	360.00	200	Vertical	Pass
4**	7483.500	43.84	1.28	54.0	10.16	AV	360.00	200	Vertical	Pass
5	11648.238	58.70	-1.32	74.0	15.30	Peak	237.00	150	Vertical	Pass
5**	11648.238	50.70	-1.32	54.0	3.30	AV	237.00	150	Vertical	Pass
6	16136.250	54.55	2.04	74.0	19.45	Peak	239.00	400	Vertical	Pass
6**	16136.250	45.69	2.04	54.0	8.31	AV	239.00	400	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	1544.800	38.19	-16.84	74.0	35.81	Peak	360.00	200	Horizontal	Pass
1**	1544.800	29.34	-16.84	54.0	24.66	AV	360.00	200	Horizontal	Pass
2	4367.500	47.40	-4.73	74.0	26.60	Peak	293.00	100	Horizontal	Pass
2**	4367.500	37.51	-4.73	54.0	16.49	AV	293.00	100	Horizontal	Pass
3	5752.250	93.78	-2.02	--	--	Peak	55.00	150	Horizontal	N/A
3**	5752.250	86.04	-2.02	--	--	AV	55.00	150	Horizontal	N/A
4	7483.250	53.20	1.17	74.0	20.80	Peak	314.00	200	Horizontal	Pass
4**	7483.250	43.53	1.17	54.0	10.47	AV	314.00	200	Horizontal	Pass
5	11509.775	53.93	-0.72	74.0	20.07	Peak	349.00	200	Horizontal	Pass
5**	11509.775	45.91	-0.72	54.0	8.09	AV	349.00	200	Horizontal	Pass
6	15866.925	54.15	1.77	74.0	19.85	Peak	261.00	200	Horizontal	Pass
6**	15866.925	44.33	1.77	54.0	9.67	AV	261.00	200	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	1613.900	38.30	-16.70	74.0	35.70	Peak	220.00	100	Vertical	Pass
1**	1613.900	29.34	-16.70	54.0	24.66	AV	220.00	100	Vertical	Pass
2	4311.750	47.54	-5.54	74.0	26.46	Peak	358.00	400	Vertical	Pass
2**	4311.750	37.43	-5.54	54.0	16.57	AV	358.00	400	Vertical	Pass
3	5757.500	98.22	-2.48	--	--	Peak	242.00	100	Vertical	N/A
3**	5757.500	90.78	-2.48	--	--	AV	242.00	100	Vertical	N/A
4	11509.063	54.94	-0.71	74.0	19.06	Peak	242.00	100	Vertical	Pass
4**	11509.063	50.67	-0.71	54.0	3.33	AV	242.00	100	Vertical	Pass
5	11510.963	57.98	-0.73	74.0	16.02	Peak	235.00	150	Vertical	Pass
5**	11510.963	49.94	-0.73	54.0	4.06	AV	235.00	150	Vertical	Pass
6	17253.450	58.95	2.46	68.2	9.25	Peak	225.00	100	Vertical	Pass
6**	17253.450	48.00	2.46	--	--	AV	225.00	100	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.900	38.58	-17.02	74.0	35.42	Peak	360.00	100	Horizontal	Pass
1**	1621.900	28.84	-17.02	54.0	25.16	AV	360.00	100	Horizontal	Pass
2	4338.250	47.62	-4.89	74.0	26.38	Peak	76.00	200	Horizontal	Pass
2**	4338.250	38.08	-4.89	54.0	15.92	AV	76.00	200	Horizontal	Pass
3	5793.750	94.94	-2.16	--	--	Peak	76.00	150	Horizontal	N/A
3**	5793.750	87.74	-2.16	--	--	AV	76.00	150	Horizontal	N/A
4	7702.250	53.15	1.52	74.0	20.85	Peak	336.00	100	Horizontal	Pass
4**	7702.250	44.31	1.52	54.0	9.69	AV	336.00	100	Horizontal	Pass
5	12508.225	53.67	1.39	74.0	20.33	Peak	298.00	150	Horizontal	Pass
5**	12508.225	43.49	1.39	54.0	10.51	AV	298.00	150	Horizontal	Pass
6	15652.725	54.29	2.11	74.0	19.71	Peak	138.00	300	Horizontal	Pass
6**	15652.725	45.02	2.11	54.0	8.98	AV	138.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.500	38.64	-16.84	74.0	35.36	Peak	164.00	300	Vertical	Pass
1**	1442.500	29.15	-16.84	54.0	24.85	AV	164.00	300	Vertical	Pass
2	4399.750	46.83	-4.73	74.0	27.17	Peak	176.00	100	Vertical	Pass
2**	4399.750	37.59	-4.73	54.0	16.41	AV	176.00	100	Vertical	Pass
3	5793.750	98.44	-2.16	--	--	Peak	236.00	200	Vertical	N/A
3**	5793.750	90.63	-2.16	--	--	AV	236.00	200	Vertical	N/A
4	11589.100	55.62	-0.75	74.0	18.38	Peak	256.00	200	Vertical	Pass
4**	11589.100	50.71	-0.75	54.0	3.29	AV	256.00	200	Vertical	Pass
5	11591.000	57.69	-0.72	74.0	16.31	Peak	235.00	150	Vertical	Pass
5**	11591.000	48.47	-0.72	54.0	5.53	AV	235.00	150	Vertical	Pass
6	17373.938	59.88	4.21	68.2	8.32	Peak	203.00	200	Vertical	Pass
6**	17373.938	49.49	4.21	--	--	AV	203.00	200	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.100	39.12	-16.84	74.0	34.88	Peak	344.00	200	Horizontal	Pass
1**	1481.100	29.24	-16.84	54.0	24.76	AV	344.00	200	Horizontal	Pass
2	4258.250	46.99	-4.07	74.0	27.01	Peak	81.00	200	Horizontal	Pass
2**	4258.250	38.05	-4.07	54.0	15.95	AV	81.00	200	Horizontal	Pass
3	5778.000	94.84	-2.48	--	--	Peak	101.00	150	Horizontal	N/A
3**	5778.000	86.97	-2.48	--	--	AV	101.00	150	Horizontal	N/A
4	7421.250	53.65	1.15	74.0	20.35	Peak	343.00	100	Horizontal	Pass
4**	7421.250	43.83	1.15	54.0	10.17	AV	343.00	100	Horizontal	Pass
5	11551.337	55.05	-1.22	74.0	18.95	Peak	360.00	200	Horizontal	Pass
5**	11551.337	46.35	-1.22	54.0	7.65	AV	360.00	200	Horizontal	Pass
6	17321.699	63.23	2.84	68.2	4.97	Peak	258.00	200	Horizontal	Pass
6**	17321.699	51.64	2.84	--	--	AV	258.00	200	Horizontal	N/A

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

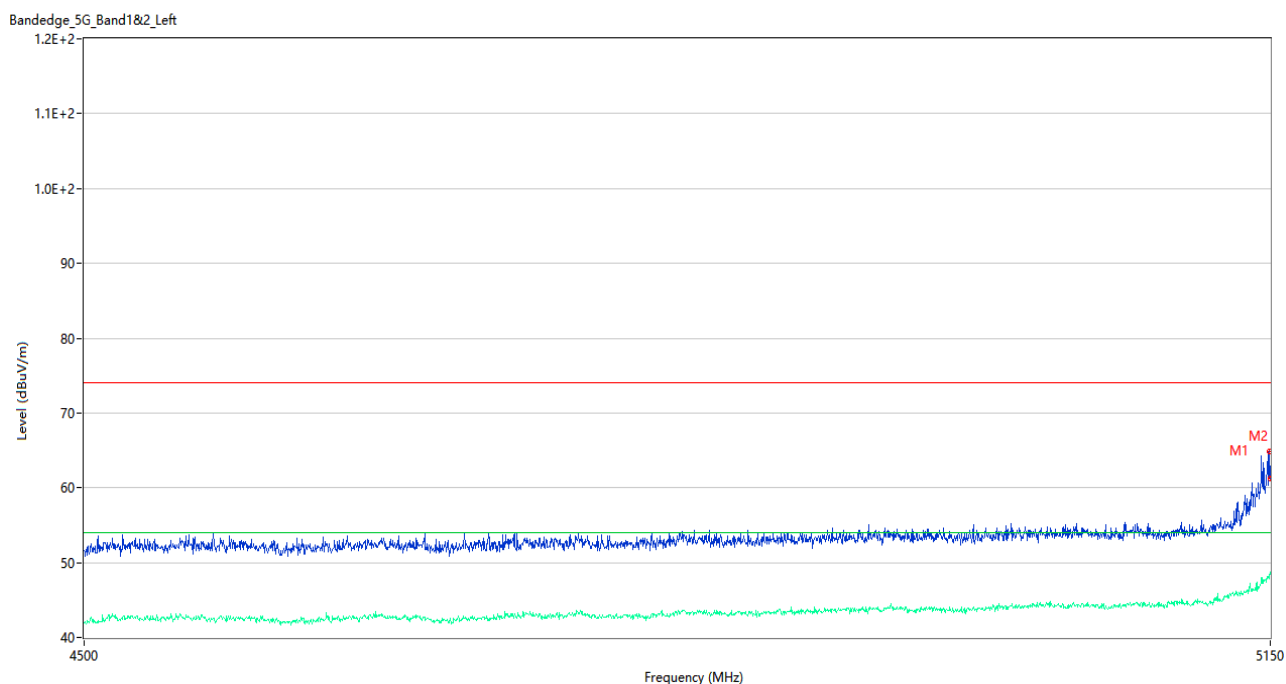
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.600	38.32	-17.00	74.0	35.68	Peak	232.00	400	Vertical	Pass
1**	1485.600	30.05	-17.00	54.0	23.95	AV	232.00	400	Vertical	Pass
2	4362.250	47.19	-5.02	74.0	26.81	Peak	259.00	300	Vertical	Pass
2**	4362.250	37.14	-5.02	54.0	16.86	AV	259.00	300	Vertical	Pass
3	5777.750	97.22	-2.55	--	--	Peak	300.00	150	Vertical	N/A
3**	5777.750	89.80	-2.55	--	--	AV	300.00	150	Vertical	N/A
4	11551.100	59.88	-1.23	74.0	14.12	Peak	256.00	150	Vertical	Pass
4**	11551.100	50.24	-1.23	54.0	3.76	AV	256.00	150	Vertical	Pass
5	11551.575	59.18	-1.22	74.0	14.82	Peak	263.00	150	Vertical	Pass
5**	11551.575	50.99	-1.22	54.0	3.01	AV	263.00	150	Vertical	Pass
6	17326.688	60.05	2.88	68.2	8.15	Peak	28.00	150	Vertical	Pass
6**	17326.688	48.51	2.88	--	--	AV	28.00	150	Vertical	N/A

A.6.2 Band Edge (Restricted-band)

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

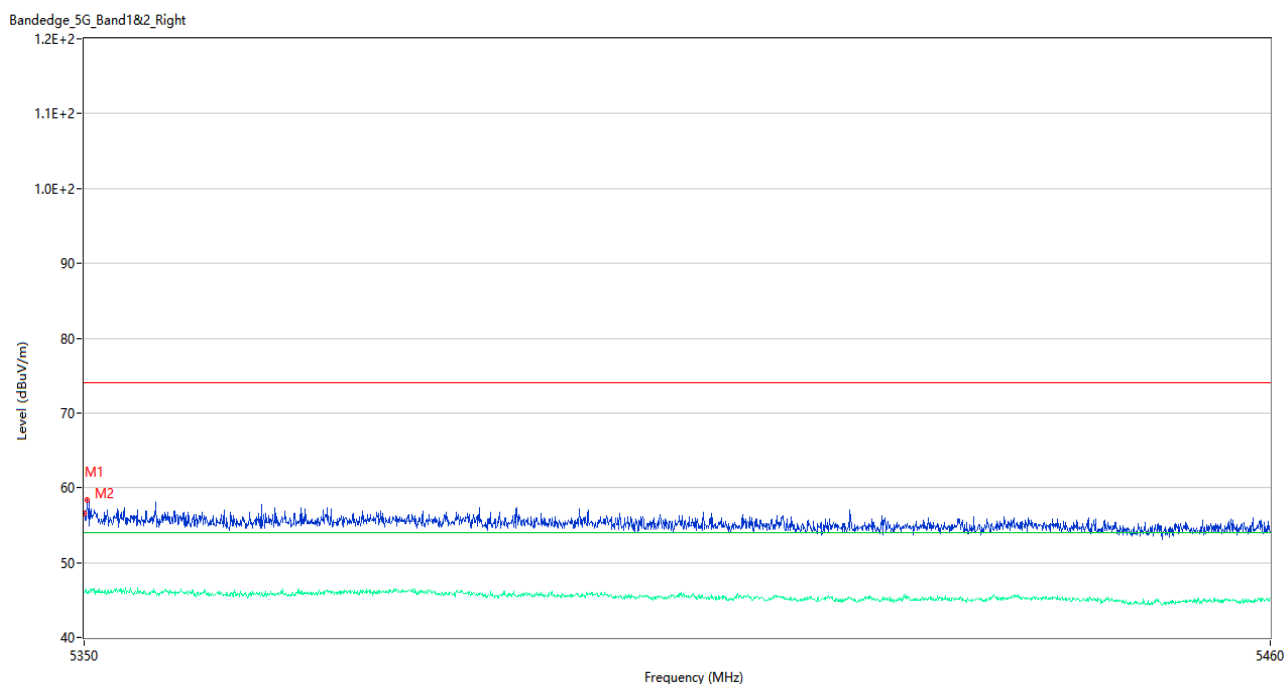
Test Data and Plots

U-NII-1 11a Low Channel



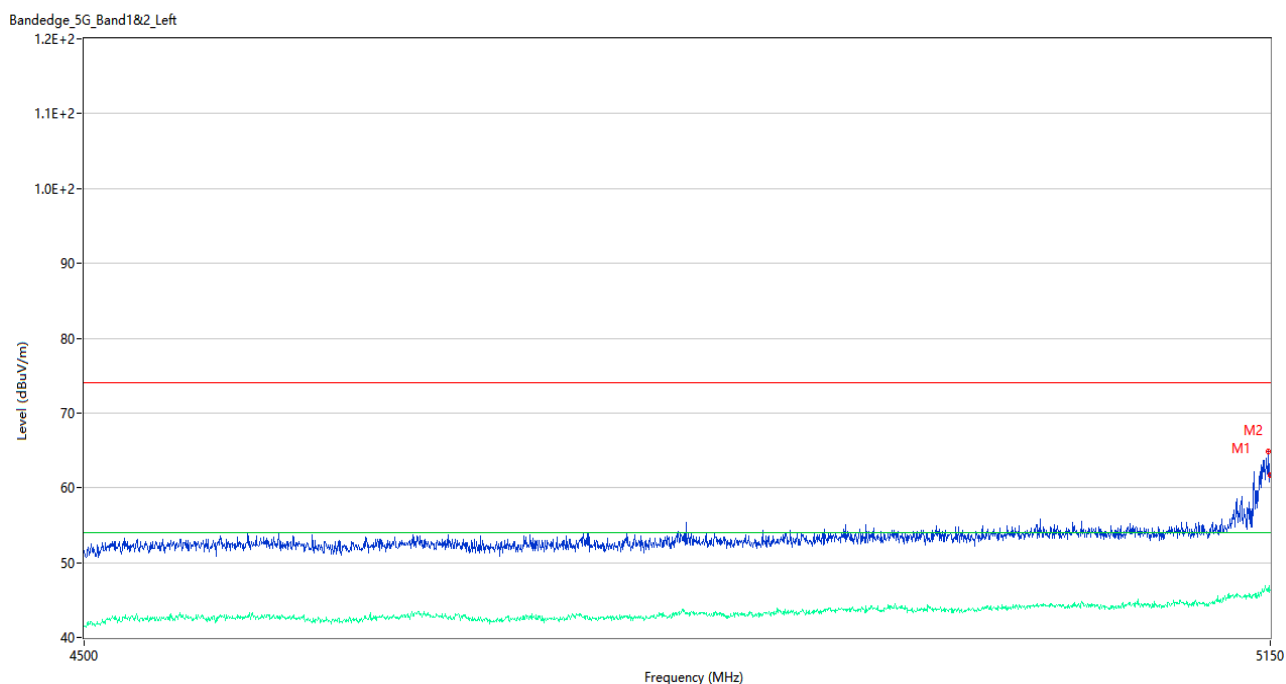
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	64.88	2.85	74.0	9.12	Peak	237.00	150	Vertical	Pass
1**	5149.675	47.77	2.85	54.0	6.23	AV	237.00	150	Vertical	Pass
2	5150.000	61.27	2.86	74.0	12.73	Peak	252.00	100	Vertical	Pass
2**	5150.000	48.77	2.86	54.0	5.23	AV	252.00	100	Vertical	Pass

U-NII-1 11a High Channel



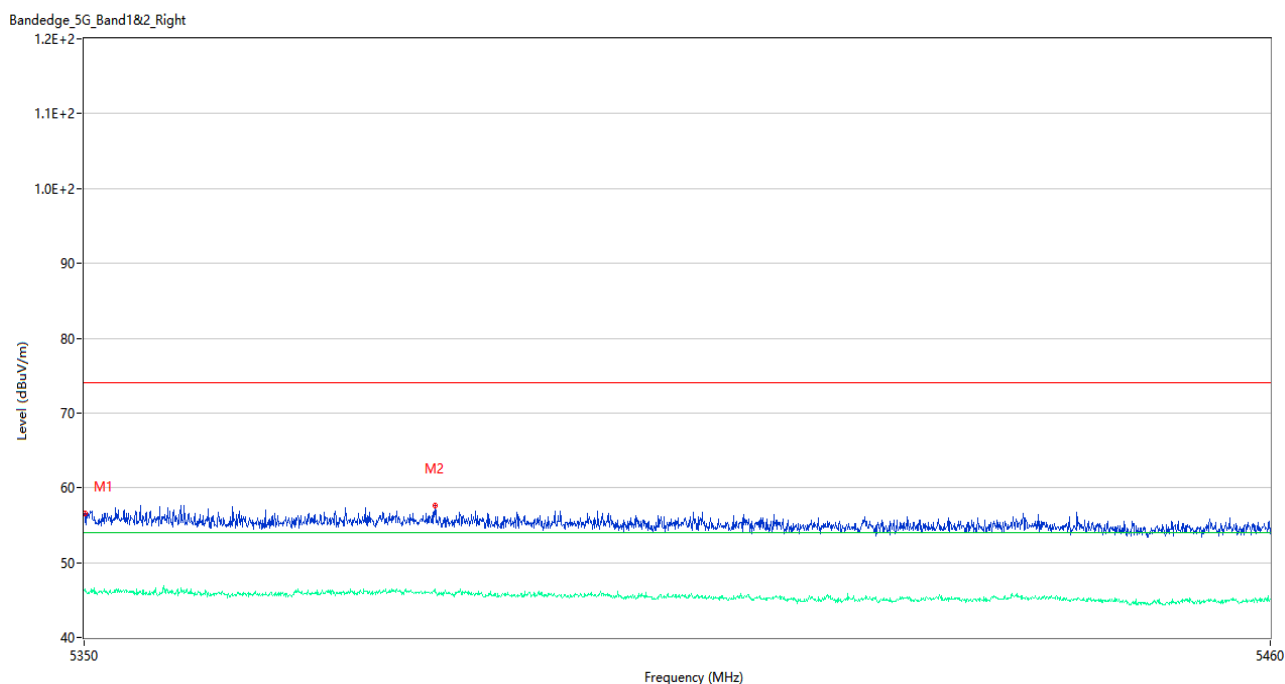
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.65	3.32	74.0	17.35	Peak	204.00	150	Vertical	Pass
1**	5350.000	45.97	3.32	54.0	8.03	AV	204.00	150	Vertical	Pass
2	5350.275	58.44	3.20	74.0	15.56	Peak	255.00	100	Vertical	Pass
2**	5350.275	45.83	3.20	54.0	8.17	AV	255.00	100	Vertical	Pass

U-NII-1 11n20 Low Channel



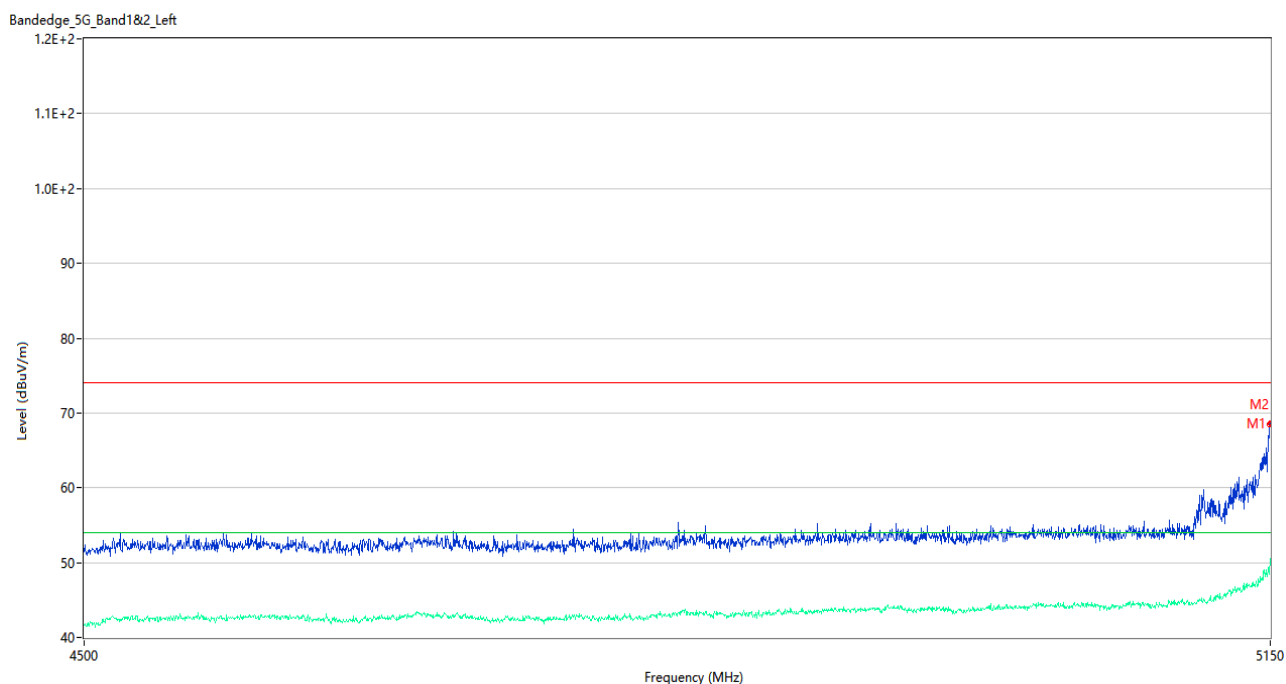
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	64.89	2.87	74.0	9.11	Peak	193.00	150	Vertical	Pass
1**	5149.025	46.46	2.87	54.0	7.54	AV	193.00	150	Vertical	Pass
2	5150.000	61.75	2.86	74.0	12.25	Peak	215.00	150	Vertical	Pass
2**	5150.000	46.29	2.86	54.0	7.71	AV	215.00	150	Vertical	Pass

U-NII-1 11n20 High Channel



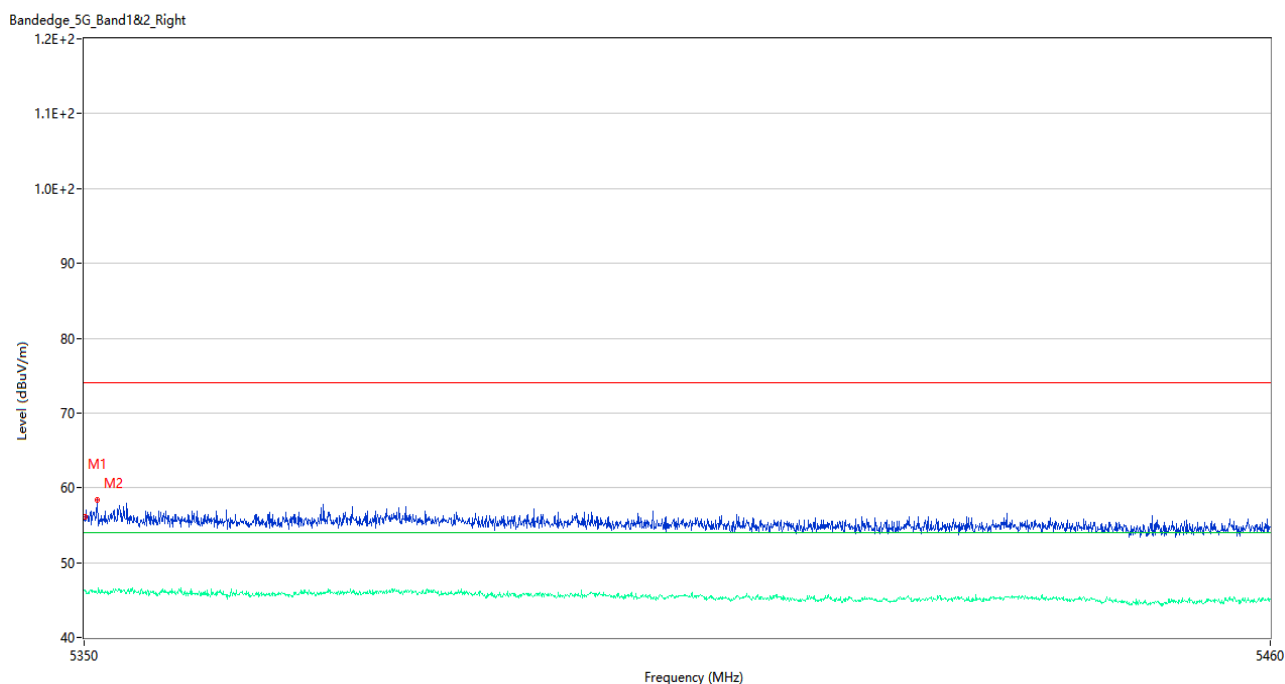
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.59	3.30	74.0	17.41	Peak	321.00	200	Vertical	Pass
1**	5350.055	46.42	3.30	54.0	7.58	AV	321.00	200	Vertical	Pass
2	5382.340	57.62	3.13	74.0	16.38	Peak	154.00	200	Vertical	Pass
2**	5382.340	46.07	3.13	54.0	7.93	AV	154.00	200	Vertical	Pass

U-NII-1 11n40 Low Channel



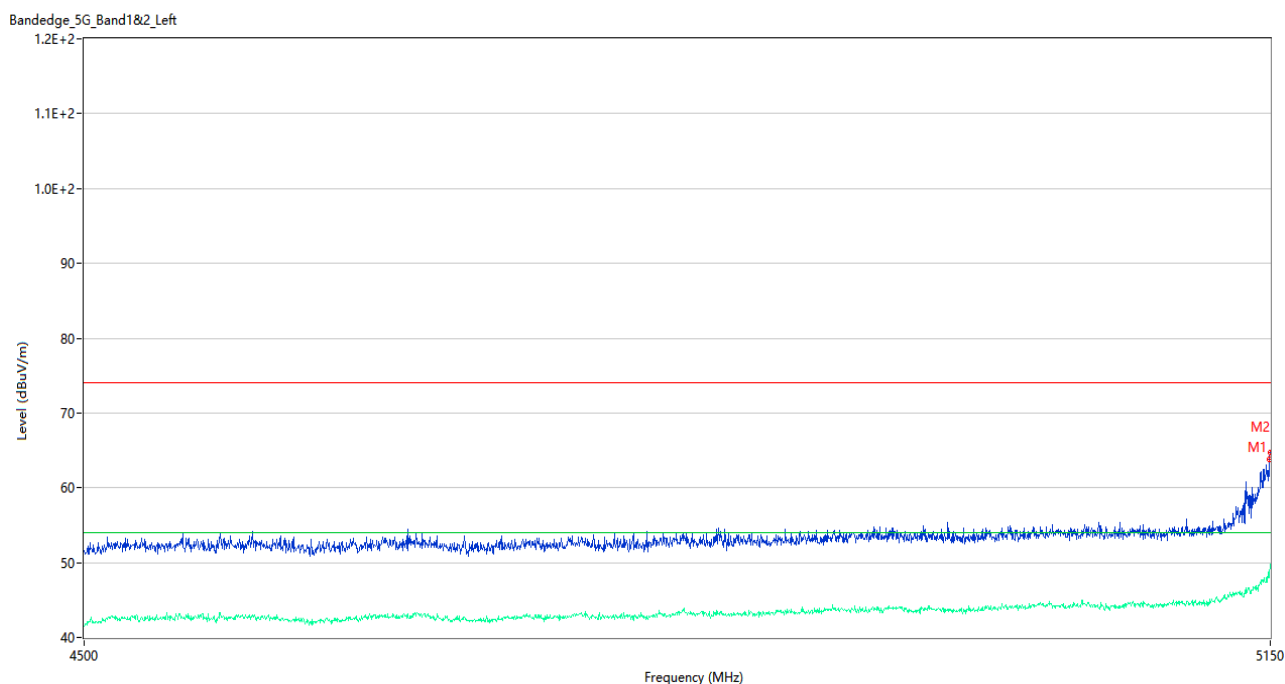
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	68.49	2.85	74.0	5.51	Peak	217.00	100	Vertical	Pass
1**	5149.675	48.37	2.85	54.0	5.63	AV	217.00	100	Vertical	Pass
2	5150.000	68.67	2.86	74.0	5.33	Peak	225.00	100	Vertical	Pass
2**	5150.000	50.60	2.86	54.0	3.40	AV	225.00	100	Vertical	Pass

U-NII-1 11n40 High Channel



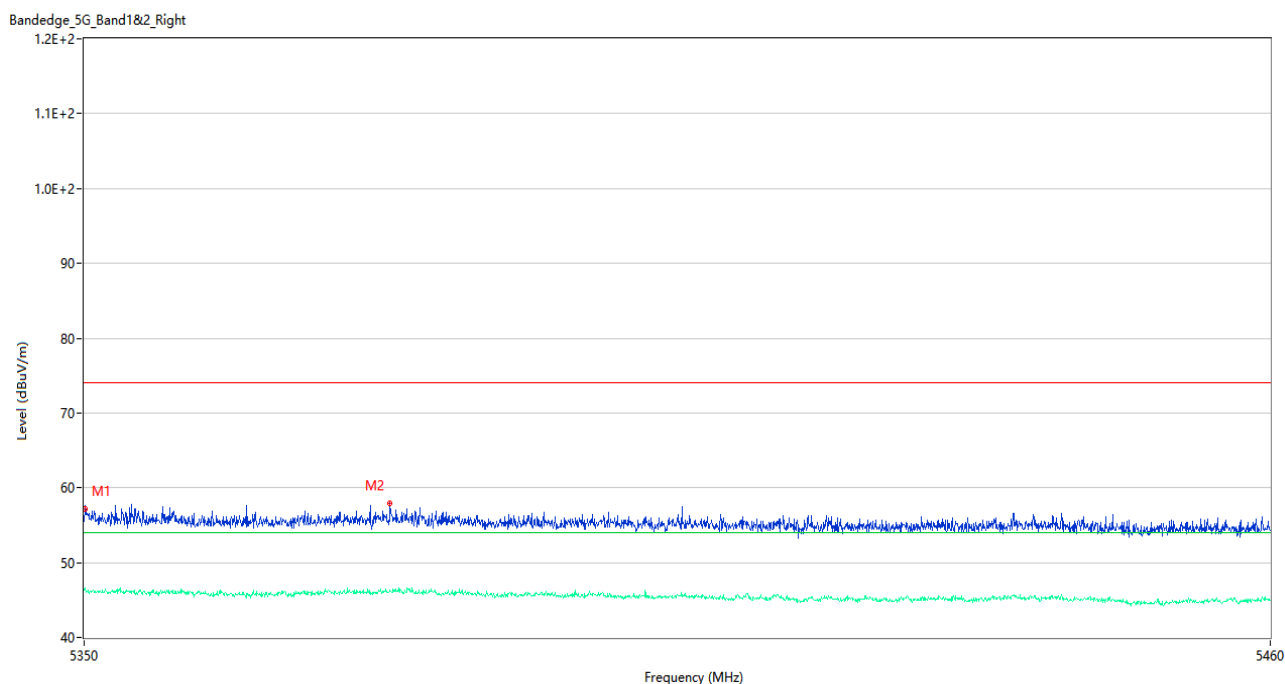
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.05	3.30	74.0	17.95	Peak	246.00	200	Vertical	Pass
1**	5350.055	46.17	3.30	54.0	7.83	AV	246.00	200	Vertical	Pass
2	5351.210	58.37	3.10	74.0	15.63	Peak	219.00	200	Vertical	Pass
2**	5351.210	45.93	3.10	54.0	8.07	AV	219.00	200	Vertical	Pass

U-NII-1 11ac20 Low Channel



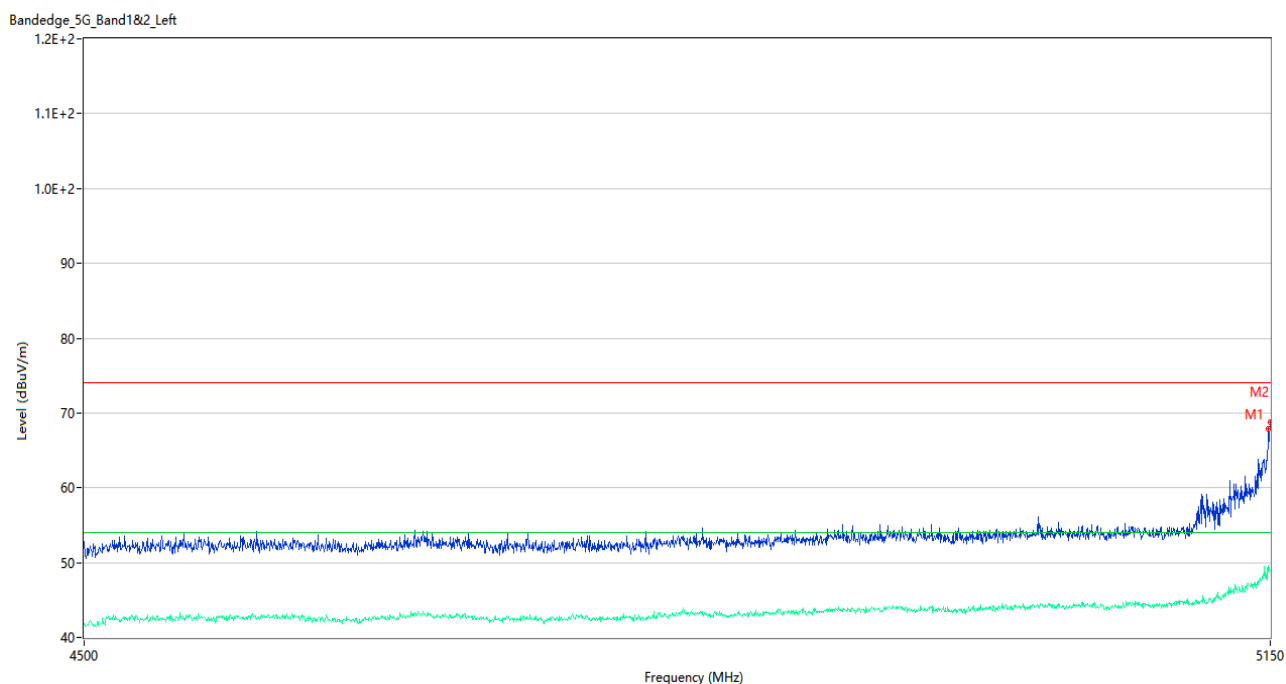
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	63.77	2.85	74.0	10.23	Peak	218.00	100	Vertical	Pass
1**	5149.675	48.23	2.85	54.0	5.77	AV	218.00	100	Vertical	Pass
2	5150.000	64.67	2.86	74.0	9.33	Peak	251.00	150	Vertical	Pass
2**	5150.000	49.86	2.86	54.0	4.14	AV	251.00	150	Vertical	Pass

U-NII-1 11ac20 High Channel



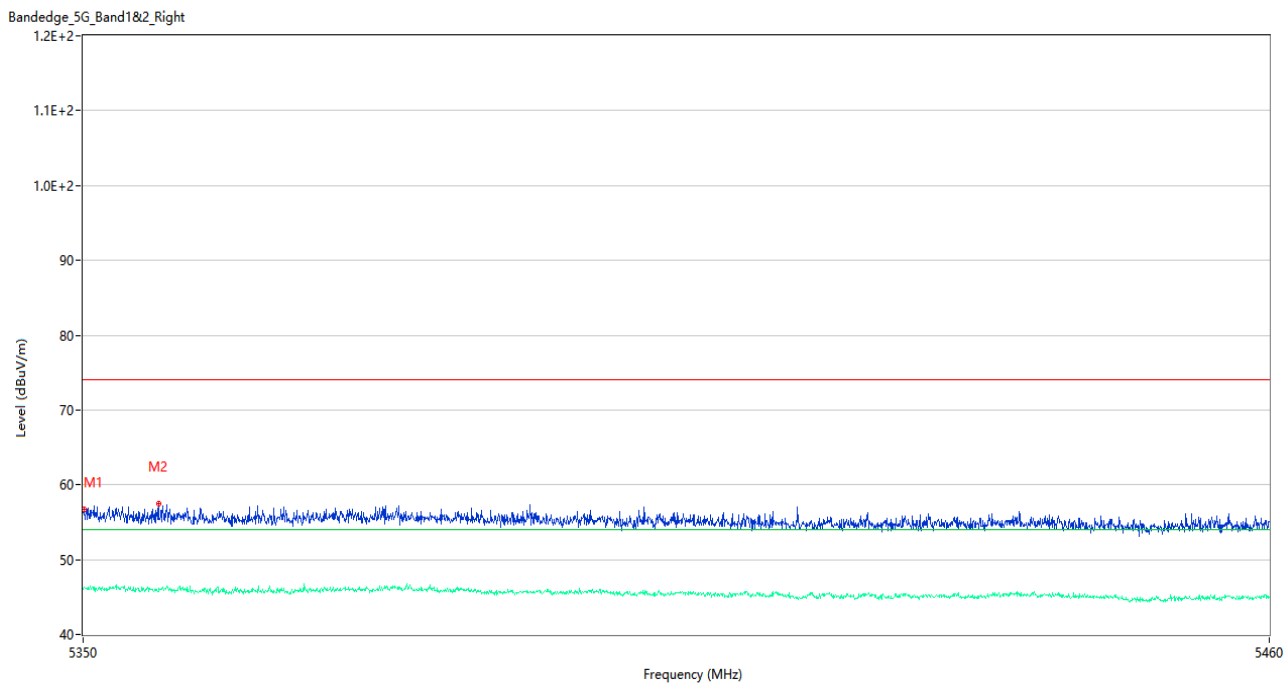
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	57.14	3.30	74.0	16.86	Peak	195.00	150	Vertical	Pass
1**	5350.055	46.66	3.30	54.0	7.34	AV	195.00	150	Vertical	Pass
2	5378.160	57.98	3.17	74.0	16.02	Peak	254.00	150	Vertical	Pass
2**	5378.160	46.29	3.17	54.0	7.71	AV	254.00	150	Vertical	Pass

U-NII-1 11ac40 Low Channel



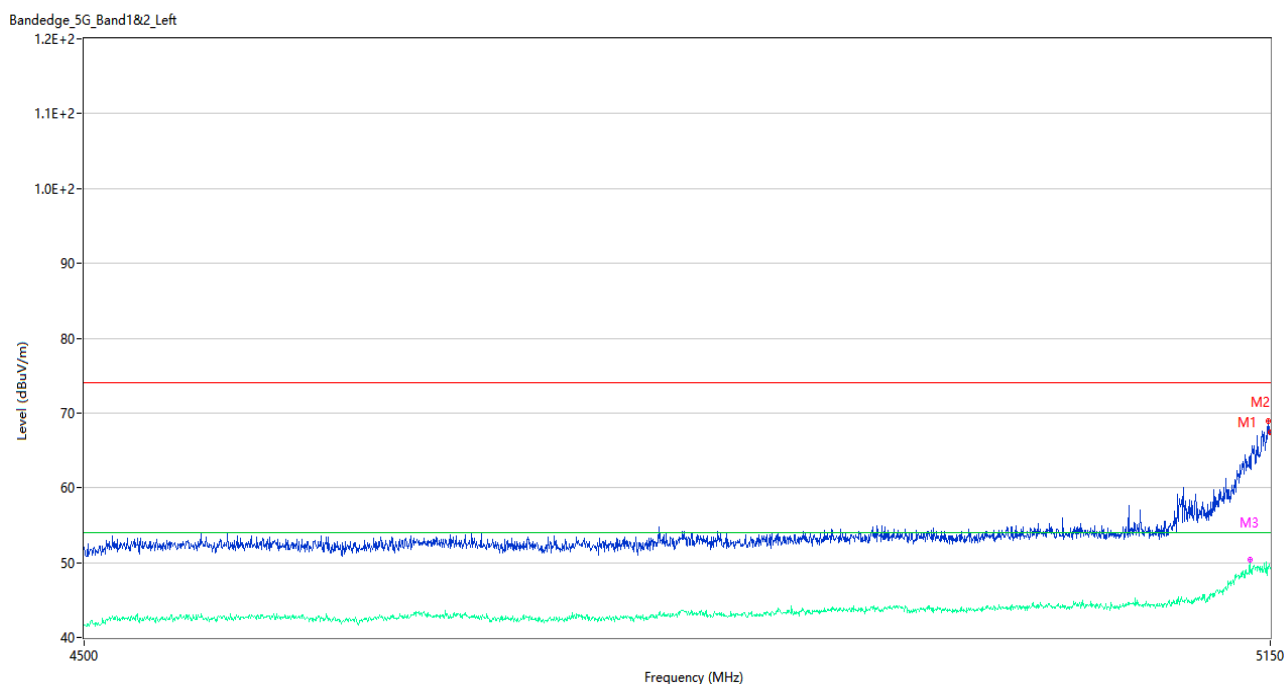
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	67.88	2.87	74.0	6.12	Peak	220.00	200	Vertical	Pass
1**	5149.025	49.64	2.87	54.0	4.36	AV	220.00	200	Vertical	Pass
2	5150.000	68.70	2.86	74.0	5.30	Peak	217.00	200	Vertical	Pass
2**	5150.000	48.89	2.86	54.0	5.11	AV	217.00	200	Vertical	Pass

U-NII-1 11ac40 High Channel



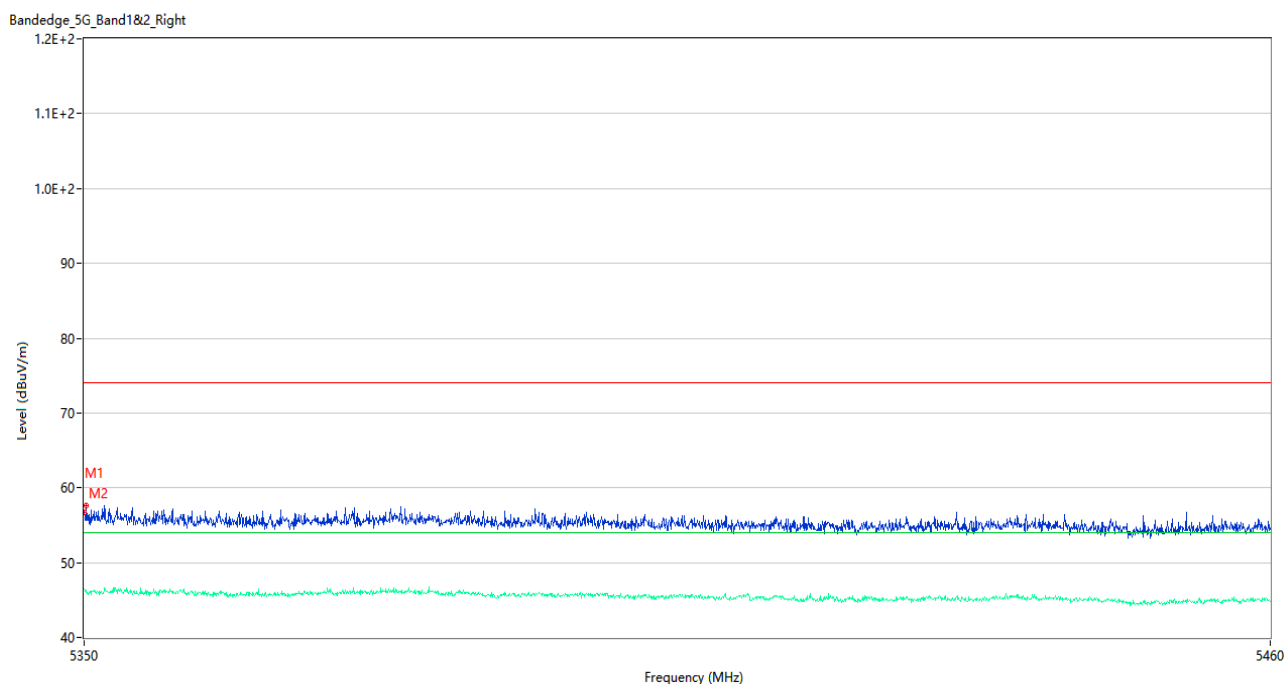
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.75	3.30	74.0	17.25	Peak	244.00	200	Vertical	Pass
1**	5350.055	46.30	3.30	54.0	7.70	AV	244.00	200	Vertical	Pass
2	5356.930	57.47	2.83	74.0	16.53	Peak	161.00	100	Vertical	Pass
2**	5356.930	45.79	2.83	54.0	8.21	AV	161.00	100	Vertical	Pass

U-NII-1 11ac80 Middle Channel



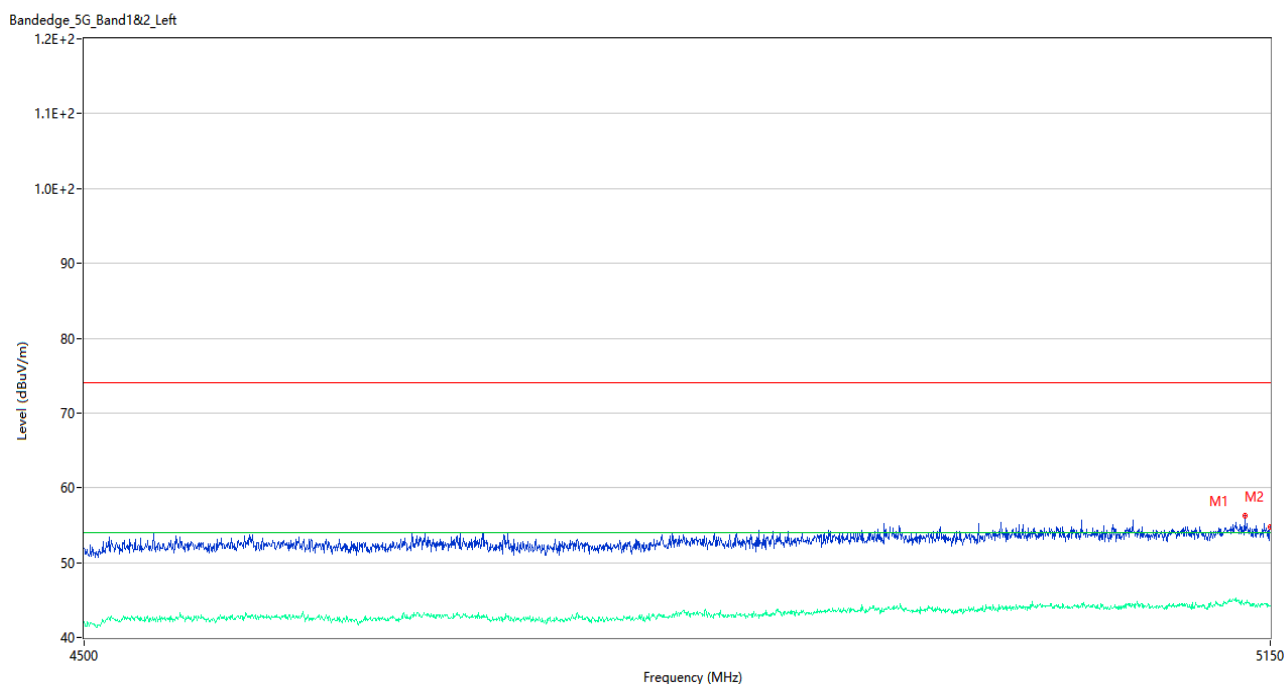
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	68.96	2.87	74.0	5.04	Peak	220.00	200	Vertical	Pass
1**	5149.025	49.17	2.87	54.0	4.83	AV	220.00	200	Vertical	Pass
2	5150.000	67.40	2.86	74.0	6.60	Peak	199.00	150	Vertical	Pass
2**	5150.000	49.15	2.86	54.0	4.85	AV	199.00	150	Vertical	Pass
3	5137.975	62.67	2.95	74.0	11.33	Peak	232.00	150	Vertical	Pass
3**	5137.975	50.33	2.95	54.0	3.67	AV	232.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel



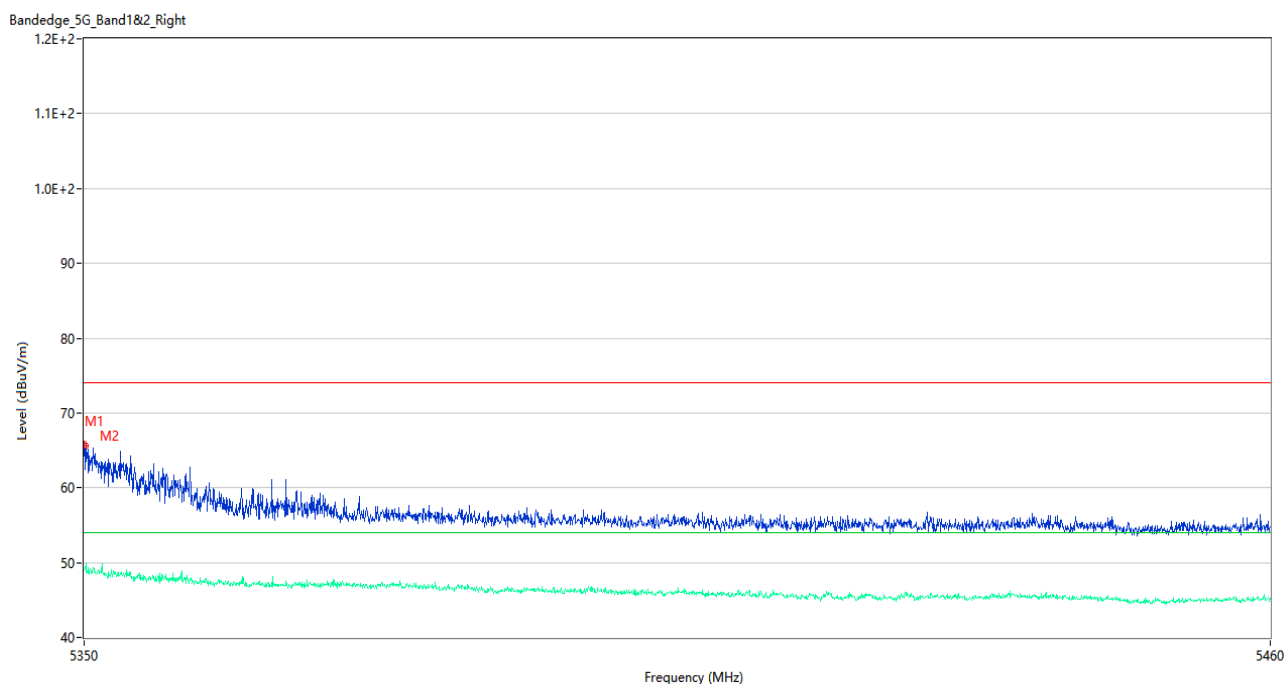
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.76	3.32	74.0	17.24	Peak	340.00	100	Vertical	Pass
1**	5350.000	46.51	3.32	54.0	7.49	AV	340.00	100	Vertical	Pass
2	5350.220	57.62	3.22	74.0	16.38	Peak	245.00	200	Vertical	Pass
2**	5350.220	46.29	3.22	54.0	7.71	AV	245.00	200	Vertical	Pass

U-NII-2A 11a Low Channel



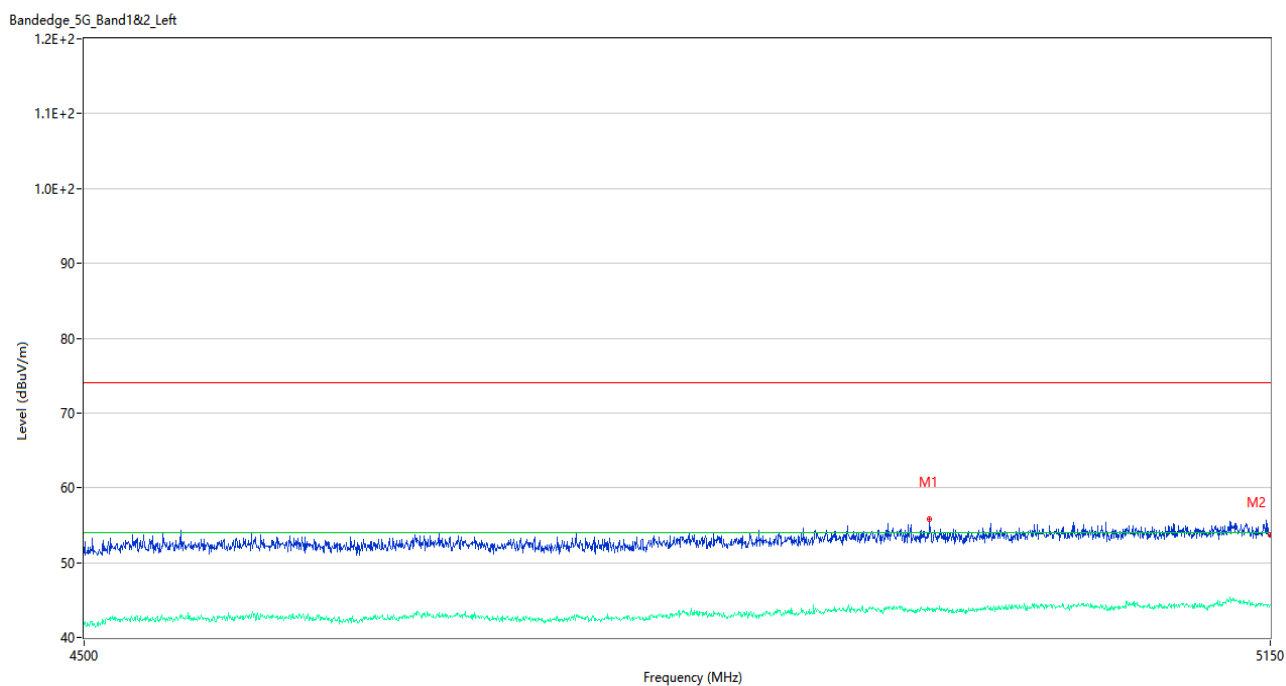
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5135.050	56.28	3.13	74.0	17.72	Peak	18.00	150	Vertical	Pass
1**	5135.050	44.63	3.13	54.0	9.37	AV	18.00	150	Vertical	Pass
2	5150.000	54.78	2.86	74.0	19.22	Peak	256.00	150	Vertical	Pass
2**	5150.000	44.21	2.86	54.0	9.79	AV	256.00	150	Vertical	Pass

U-NII-2A 11a High Channel



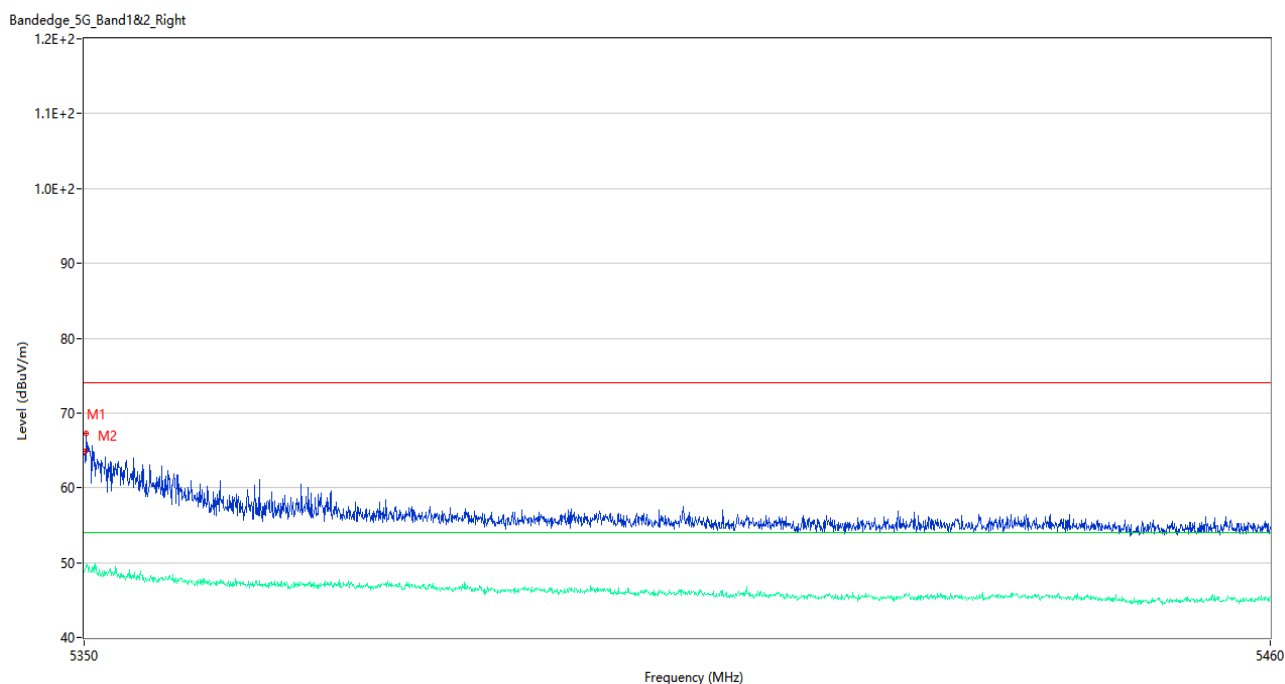
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.96	3.32	74.0	8.04	Peak	232.00	200	Vertical	Pass
1**	5350.000	49.10	3.32	54.0	4.90	AV	232.00	200	Vertical	Pass
2	5350.220	65.57	3.22	74.0	8.43	Peak	245.00	150	Vertical	Pass
2**	5350.220	48.64	3.22	54.0	5.36	AV	245.00	150	Vertical	Pass

U-NII-2A 11n20 Low Channel



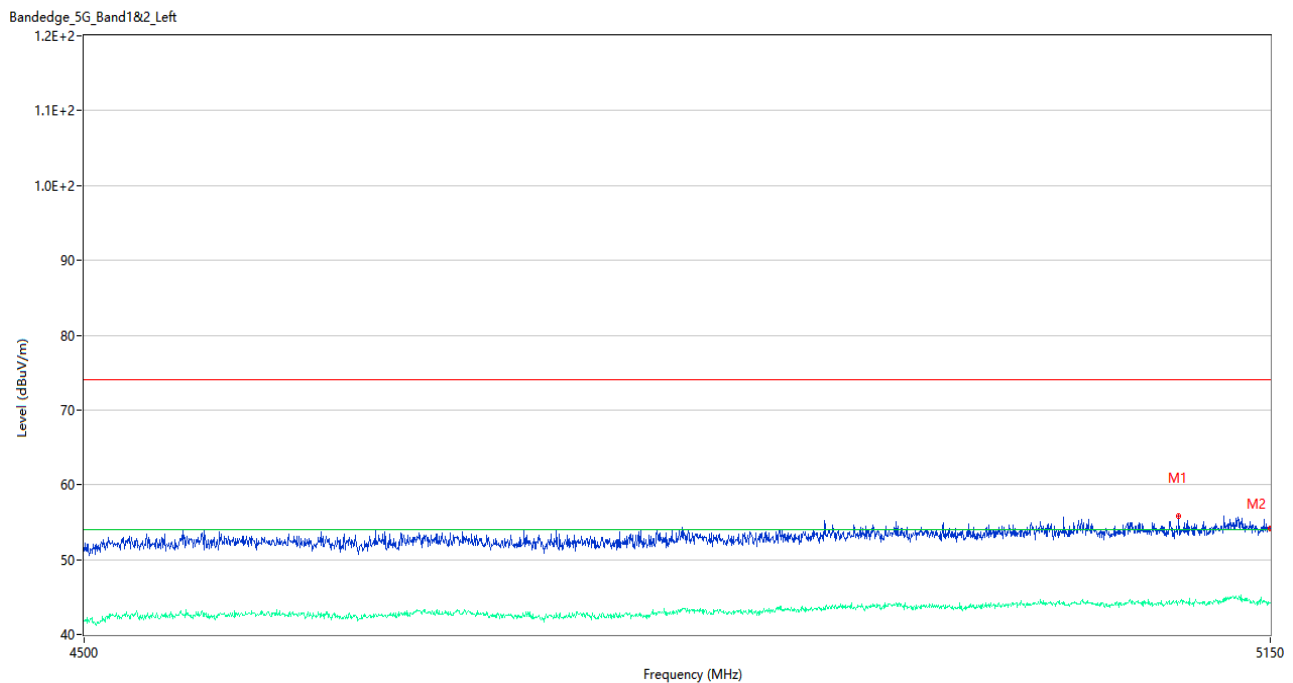
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4954.350	55.77	2.50	74.0	18.23	Peak	230.00	100	Vertical	Pass
1**	4954.350	43.88	2.50	54.0	10.12	AV	230.00	100	Vertical	Pass
2	5150.000	53.68	2.86	74.0	20.32	Peak	77.00	200	Vertical	Pass
2**	5150.000	44.31	2.86	54.0	9.69	AV	77.00	200	Vertical	Pass

U-NII-2A 11n20 High Channel



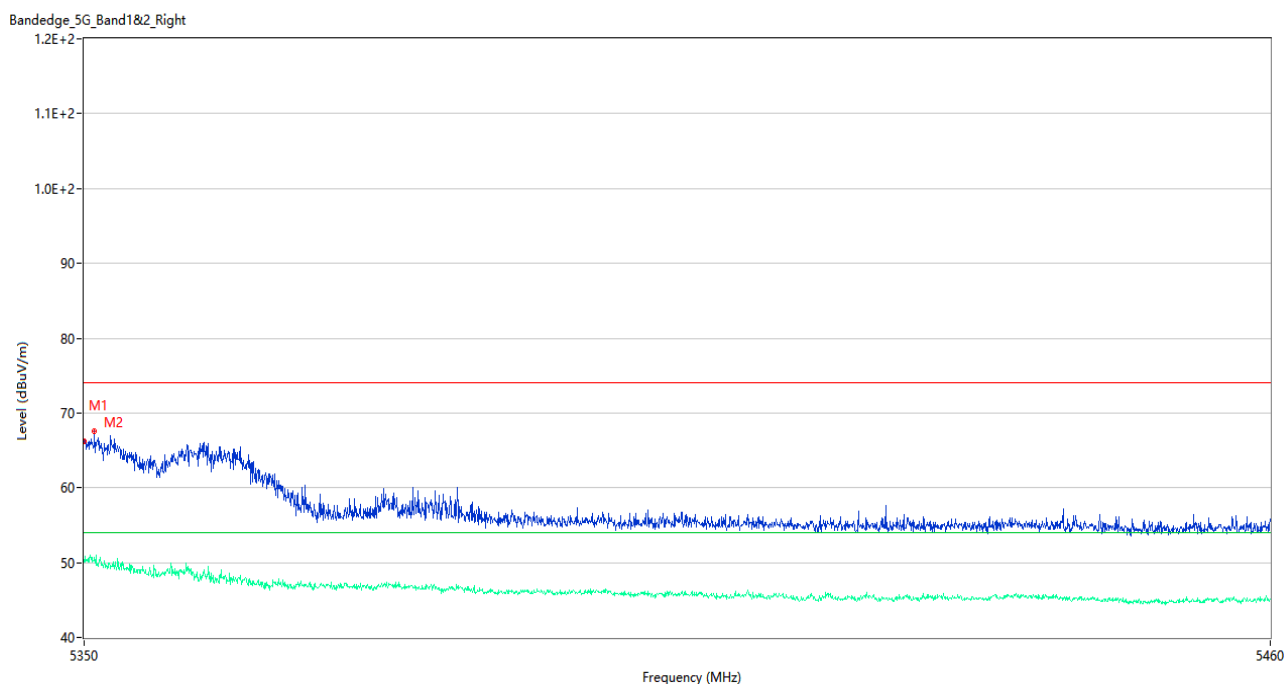
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	64.90	3.30	74.0	9.10	Peak	234.00	200	Vertical	Pass
1**	5350.055	48.99	3.30	54.0	5.01	AV	234.00	200	Vertical	Pass
2	5350.220	67.27	3.22	74.0	6.73	Peak	213.00	200	Vertical	Pass
2**	5350.220	49.63	3.22	54.0	4.37	AV	213.00	200	Vertical	Pass

U-NII-2A 11n40 Low Channel



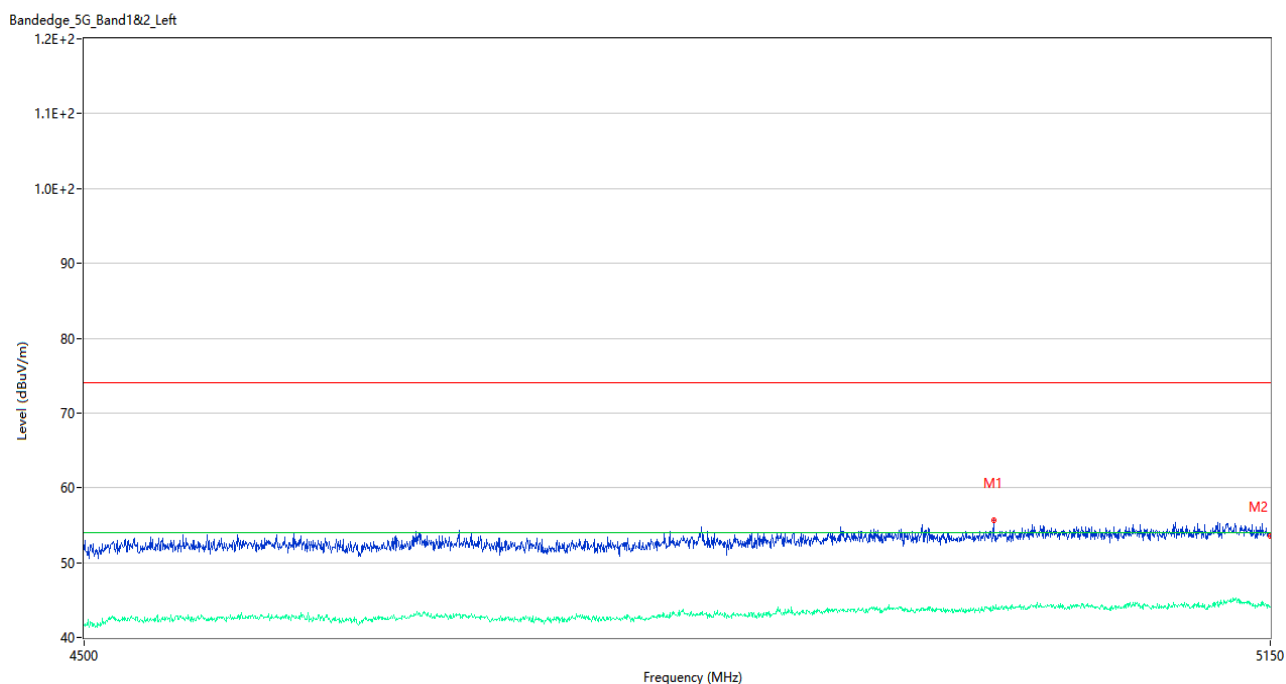
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5096.700	55.89	2.91	74.0	18.11	Peak	360.00	100	Vertical	Pass
1**	5096.700	44.33	2.91	54.0	9.67	AV	360.00	100	Vertical	Pass
2	5150.000	54.14	2.86	74.0	19.86	Peak	213.00	200	Vertical	Pass
2**	5150.000	44.15	2.86	54.0	9.85	AV	213.00	200	Vertical	Pass

U-NII-2A 11n40 High Channel



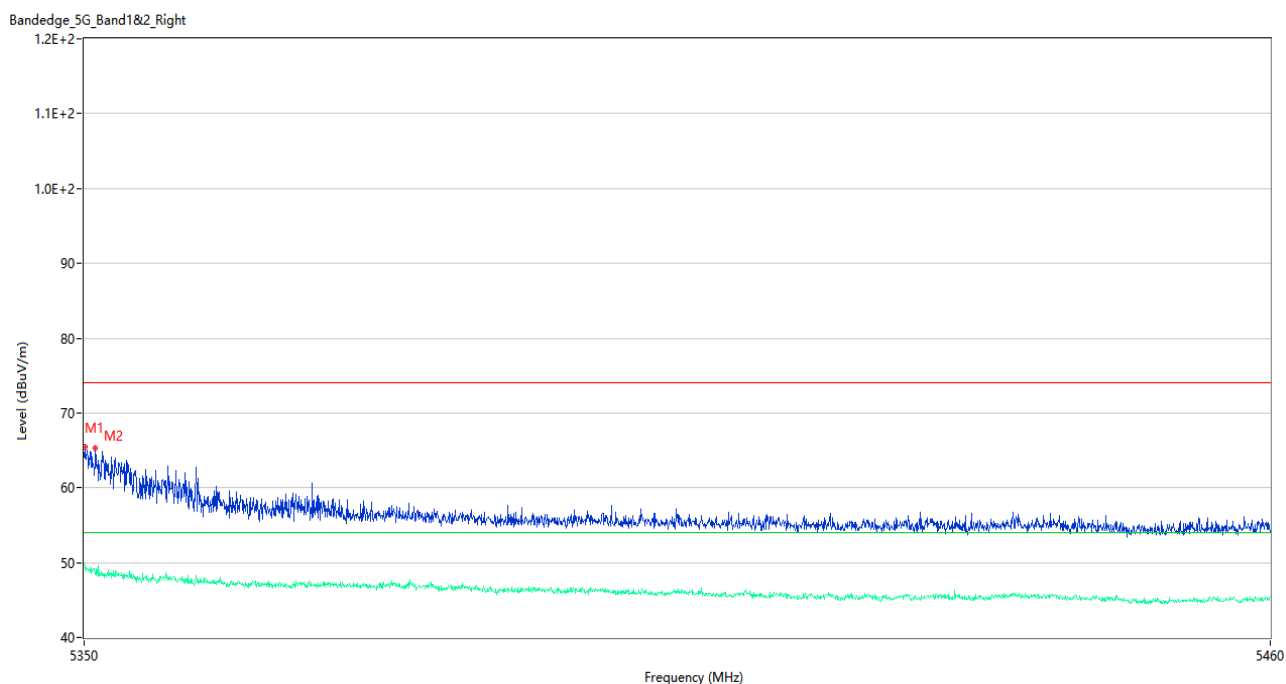
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	66.19	3.32	74.0	7.81	Peak	222.00	150	Vertical	Pass
1**	5350.000	50.12	3.32	54.0	3.88	AV	222.00	150	Vertical	Pass
2	5350.935	67.59	3.23	74.0	6.41	Peak	218.00	200	Vertical	Pass
2**	5350.935	50.67	3.23	54.0	3.33	AV	218.00	200	Vertical	Pass

U-NII-2A 11ac20 Low Channel



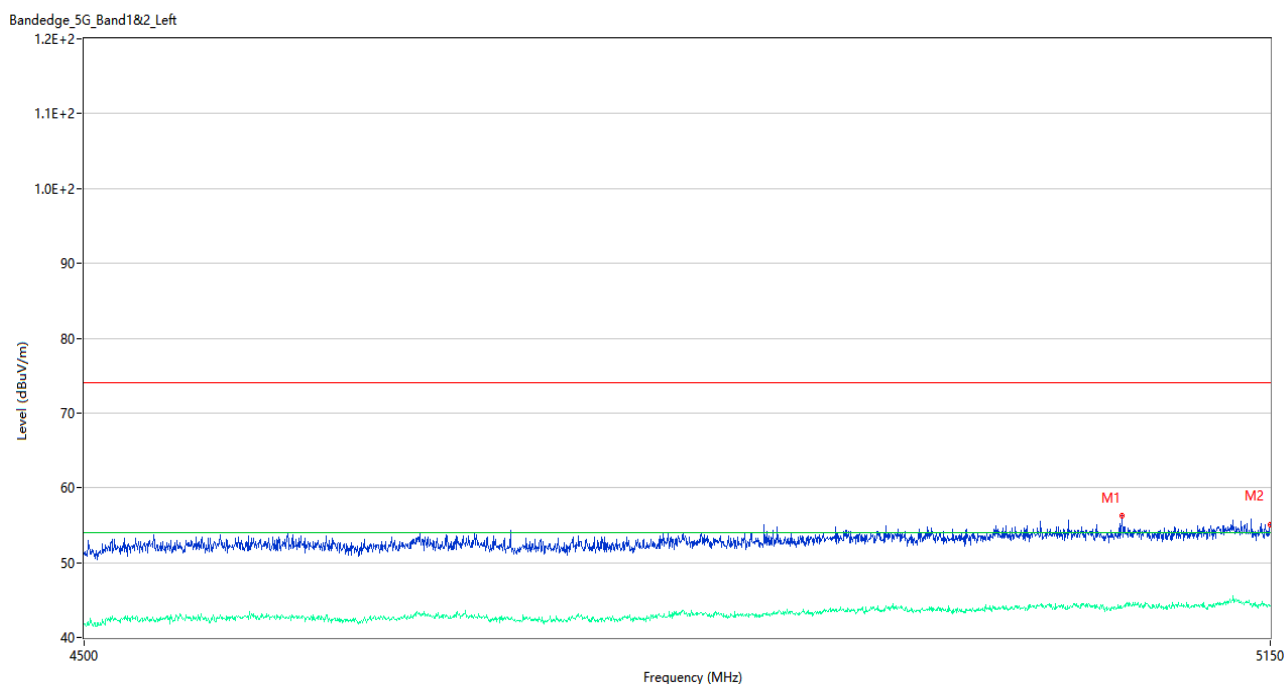
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4990.425	55.69	2.75	74.0	18.31	Peak	0.00	100	Vertical	Pass
1**	4990.425	43.90	2.75	54.0	10.10	AV	0.00	100	Vertical	Pass
2	5150.000	53.55	2.86	74.0	20.45	Peak	11.00	150	Vertical	Pass
2**	5150.000	44.08	2.86	54.0	9.92	AV	11.00	150	Vertical	Pass

U-NII-2A 11ac20 High Channel



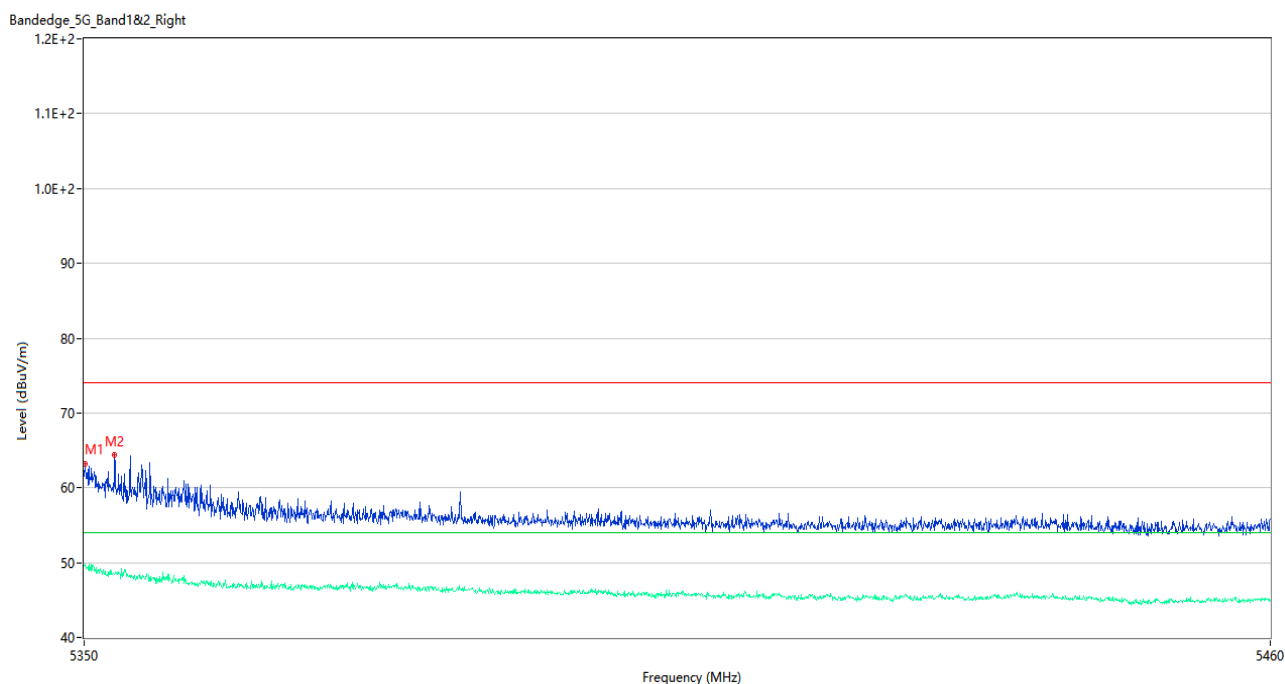
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	65.40	3.30	74.0	8.60	Peak	213.00	100	Vertical	Pass
1**	5350.055	49.57	3.30	54.0	4.43	AV	213.00	100	Vertical	Pass
2	5351.045	65.24	3.17	74.0	8.76	Peak	242.00	150	Vertical	Pass
2**	5351.045	48.45	3.17	54.0	5.55	AV	242.00	150	Vertical	Pass

U-NII-2A 11ac40 Low Channel



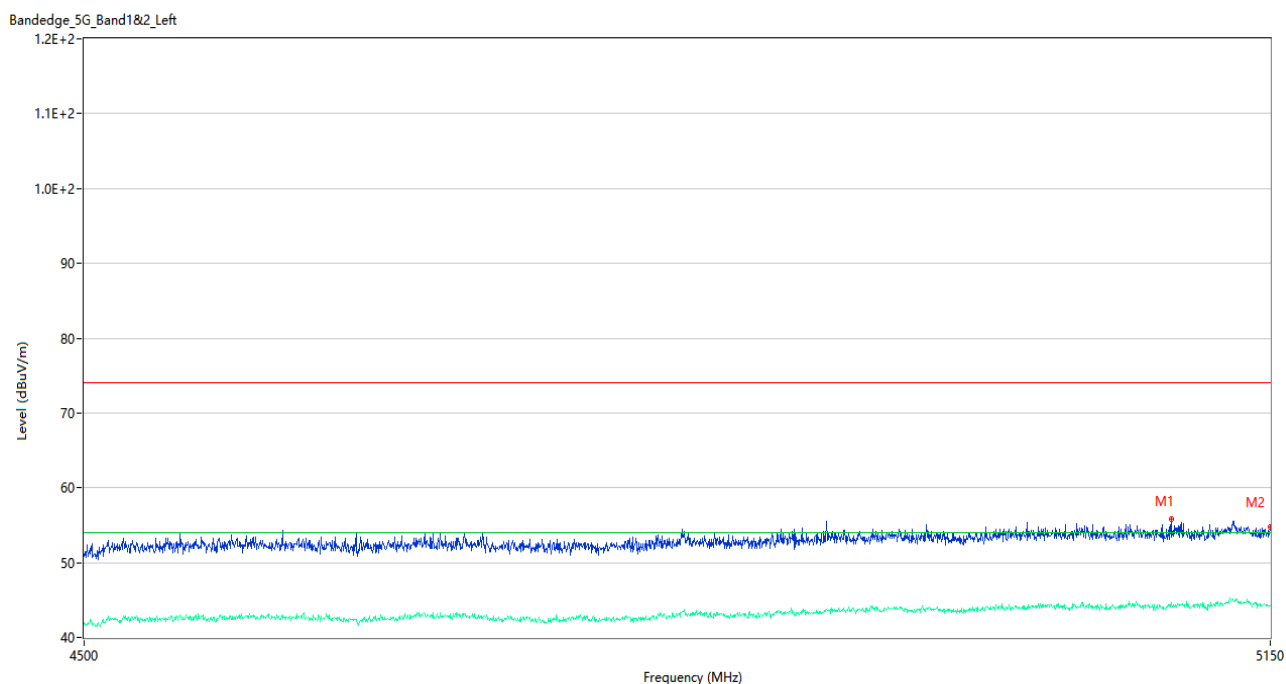
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5063.875	56.25	2.70	74.0	17.75	Peak	0.00	200	Vertical	Pass
1**	5063.875	43.95	2.70	54.0	10.05	AV	0.00	200	Vertical	Pass
2	5150.000	55.08	2.86	74.0	18.92	Peak	11.00	200	Vertical	Pass
2**	5150.000	44.14	2.86	54.0	9.86	AV	11.00	200	Vertical	Pass

U-NII-2A 11ac40 High Channel



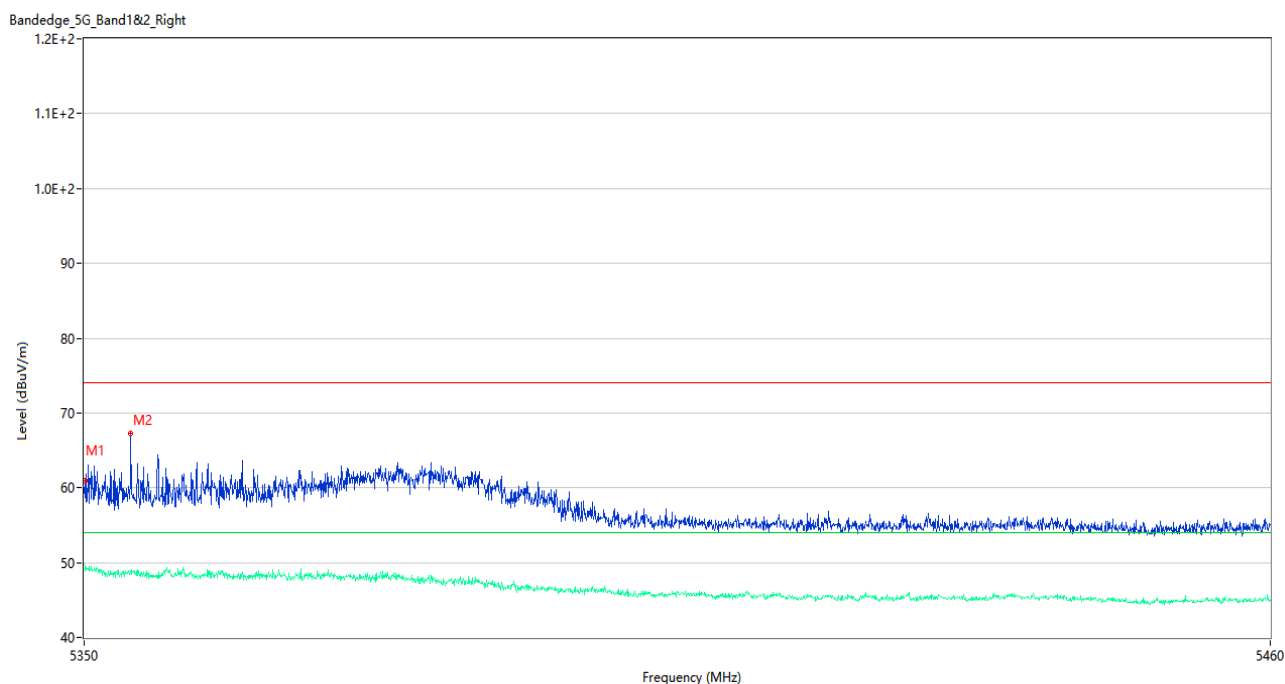
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	63.17	3.30	74.0	10.83	Peak	235.00	100	Vertical	Pass
1**	5350.055	50.08	3.30	54.0	3.92	AV	235.00	100	Vertical	Pass
2	5352.805	64.46	3.18	74.0	9.54	Peak	240.00	150	Vertical	Pass
2**	5352.805	48.43	3.18	54.0	5.57	AV	240.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



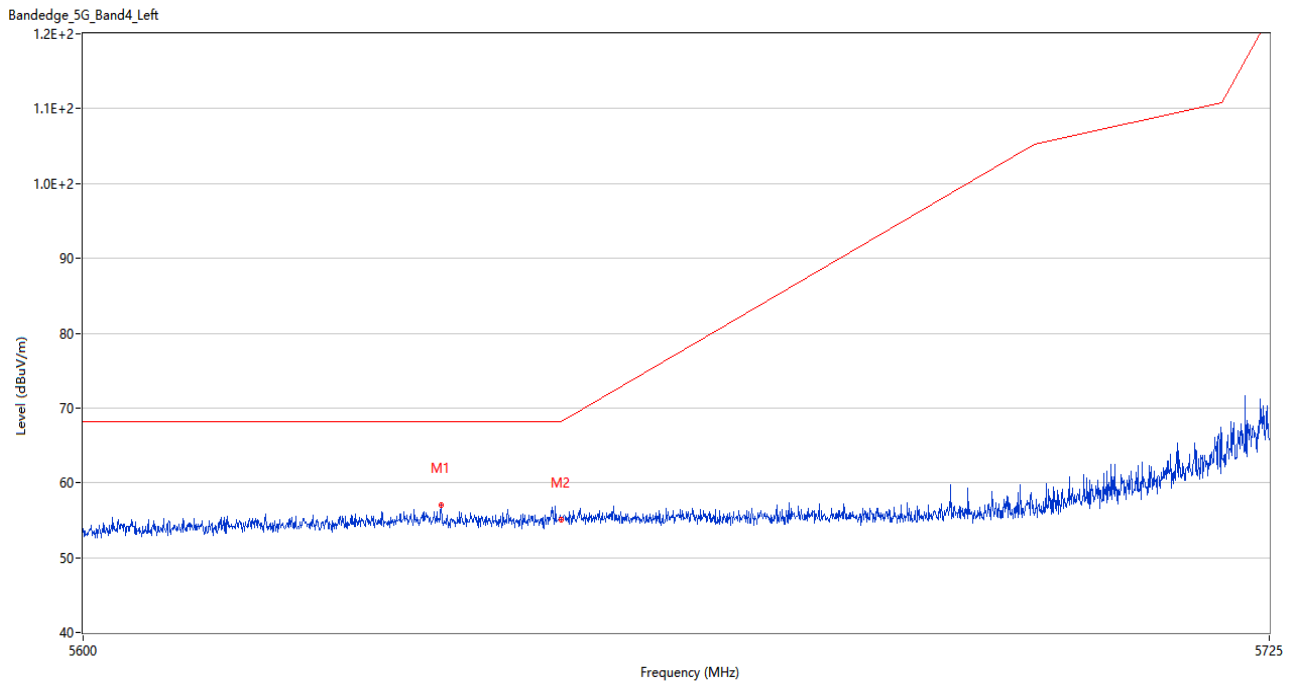
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5092.150	55.89	2.68	74.0	18.11	Peak	358.00	150	Vertical	Pass
1**	5092.150	44.63	2.68	54.0	9.37	AV	358.00	150	Vertical	Pass
2	5150.000	54.71	2.86	74.0	19.29	Peak	200.00	150	Vertical	Pass
2**	5150.000	44.22	2.86	54.0	9.78	AV	200.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



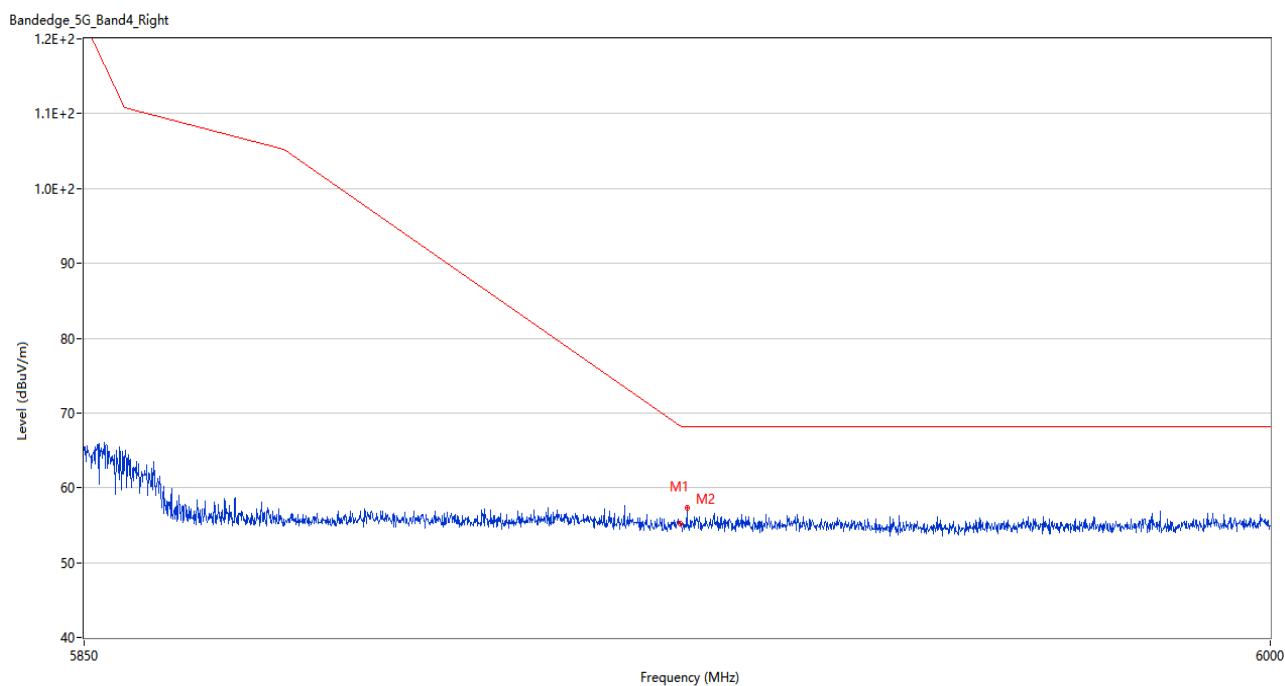
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	60.91	3.30	74.0	13.09	Peak	212.00	150	Vertical	Pass
1**	5350.055	49.59	3.30	54.0	4.41	AV	212.00	150	Vertical	Pass
2	5354.290	67.22	3.11	74.0	6.78	Peak	237.00	150	Vertical	Pass
2**	5354.290	48.80	3.11	54.0	5.20	AV	237.00	150	Vertical	Pass

U-NII-3 11a Low Channel



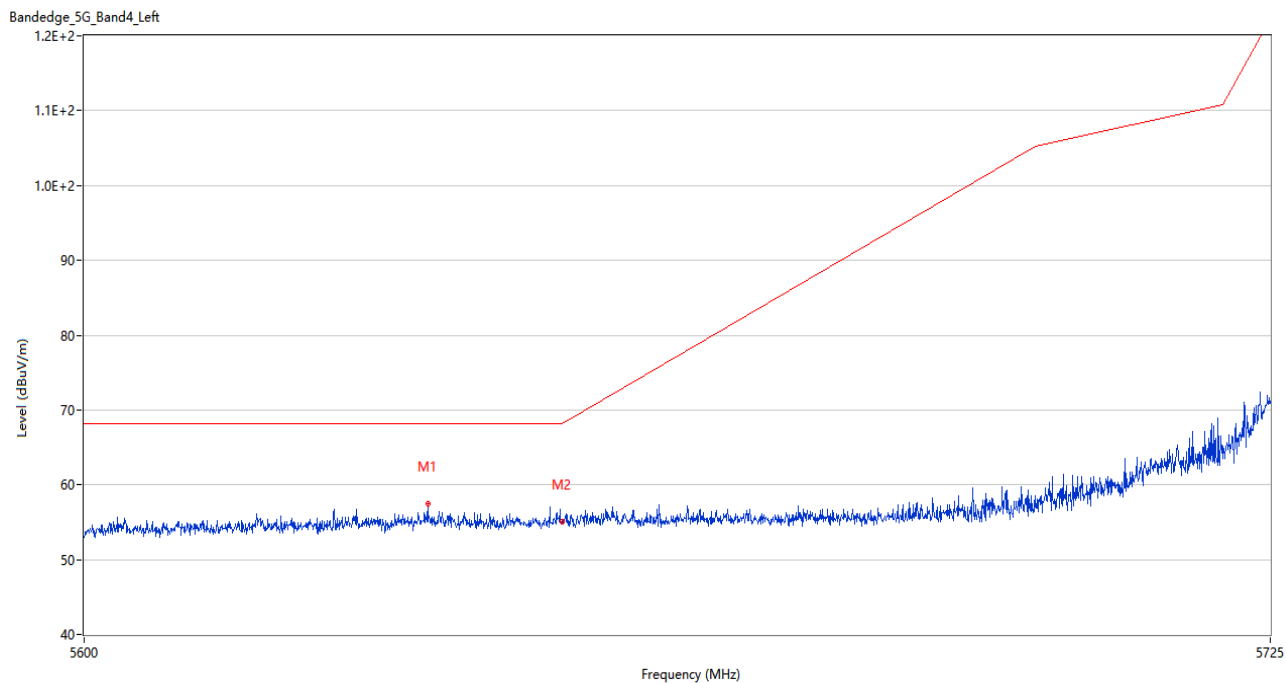
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.437	57.00	3.55	68.2	11.20	Peak	256.00	200	Vertical	Pass
2	5650.000	55.05	3.72	68.2	13.15	Peak	327.00	100	Vertical	Pass

U-NII-3 11a High Channel



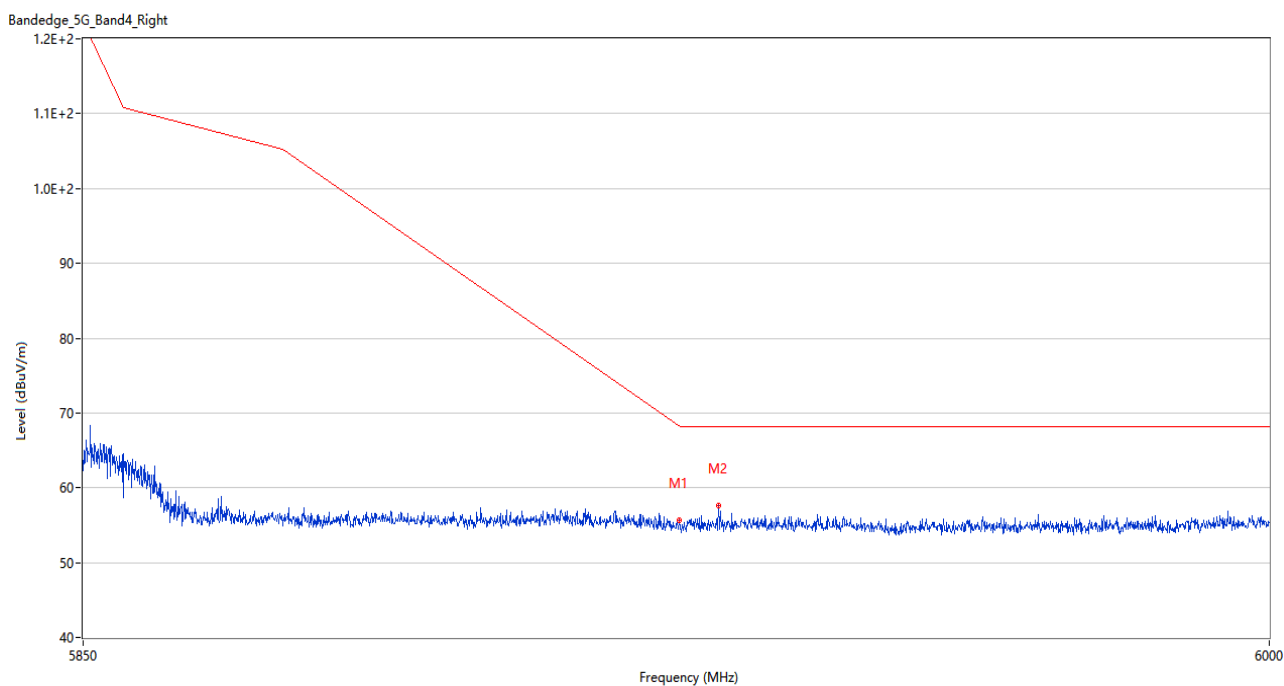
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.14	3.42	68.3	13.16	Peak	323.00	150	Vertical	Pass
2	5925.750	57.34	3.49	68.2	10.86	Peak	272.00	200	Vertical	Pass

U-NII-3 11n20 Low Channel



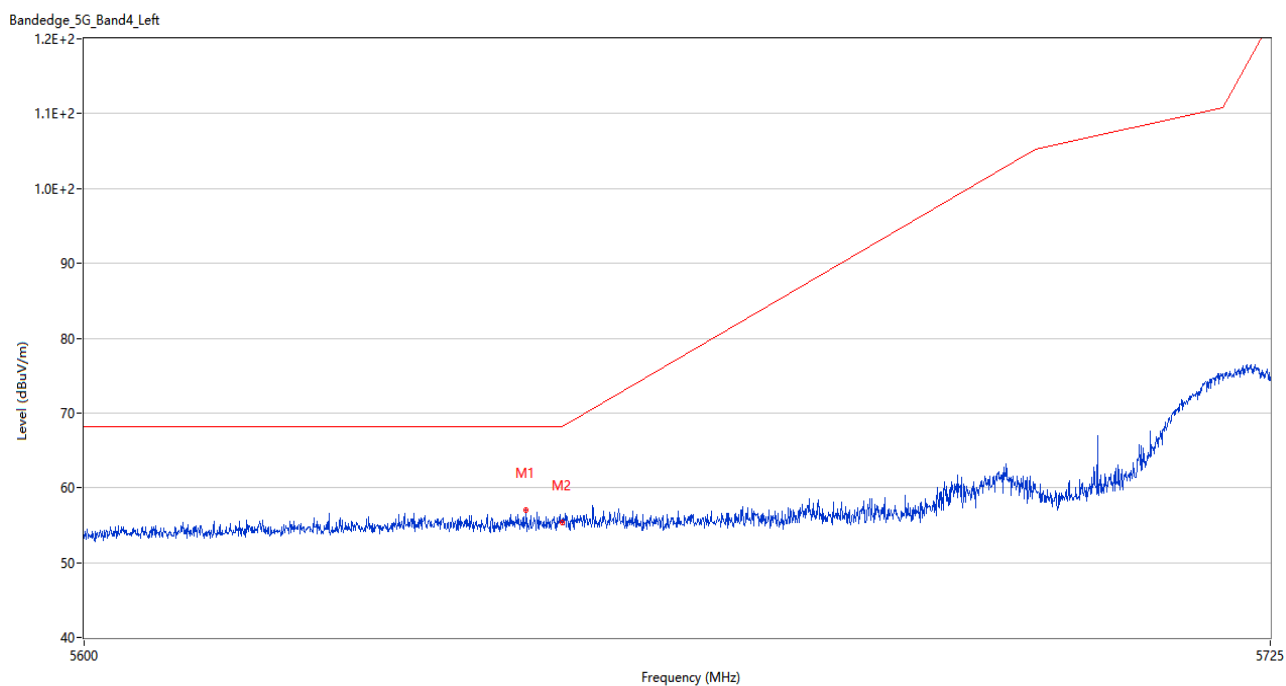
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.937	57.41	3.80	68.2	10.79	Peak	229.00	100	Vertical	Pass
2	5650.000	55.08	3.72	68.2	13.12	Peak	288.00	200	Vertical	Pass

U-NII-3 11n20 High Channel



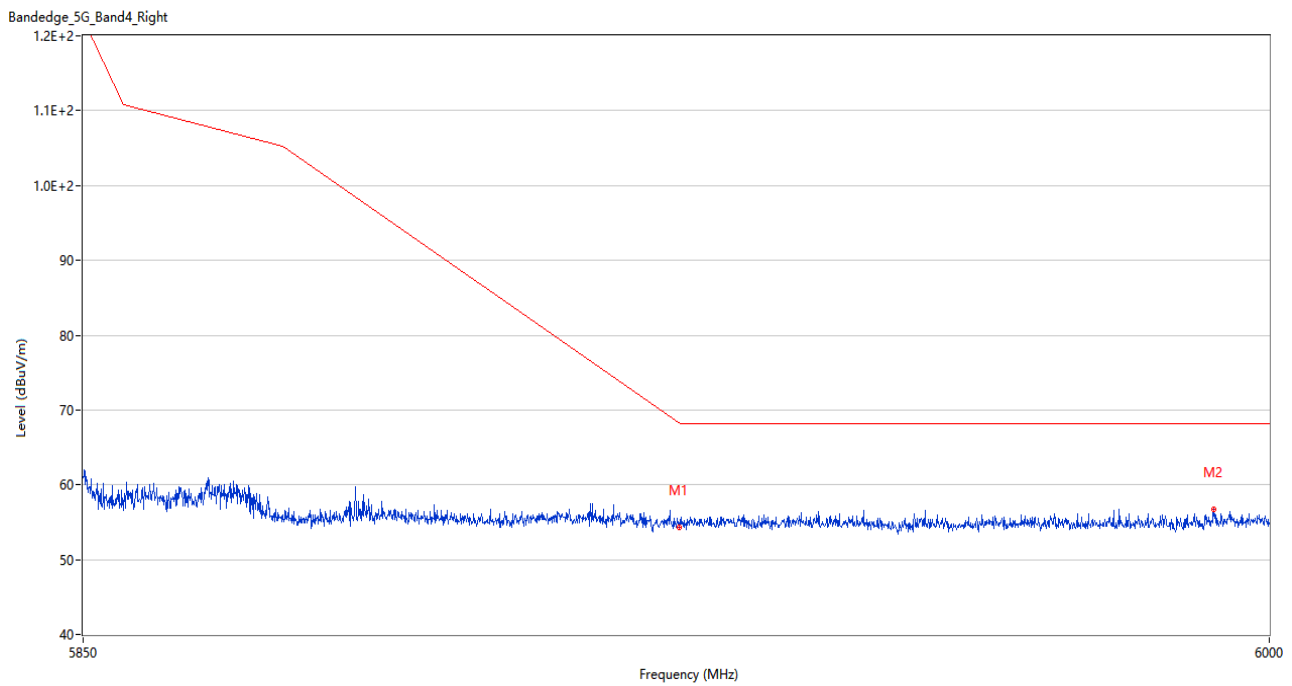
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.64	3.42	68.3	12.66	Peak	342.00	150	Vertical	Pass
2	5929.875	57.62	3.49	68.2	10.58	Peak	254.00	200	Vertical	Pass

U-NII-3 11n40 Low Channel



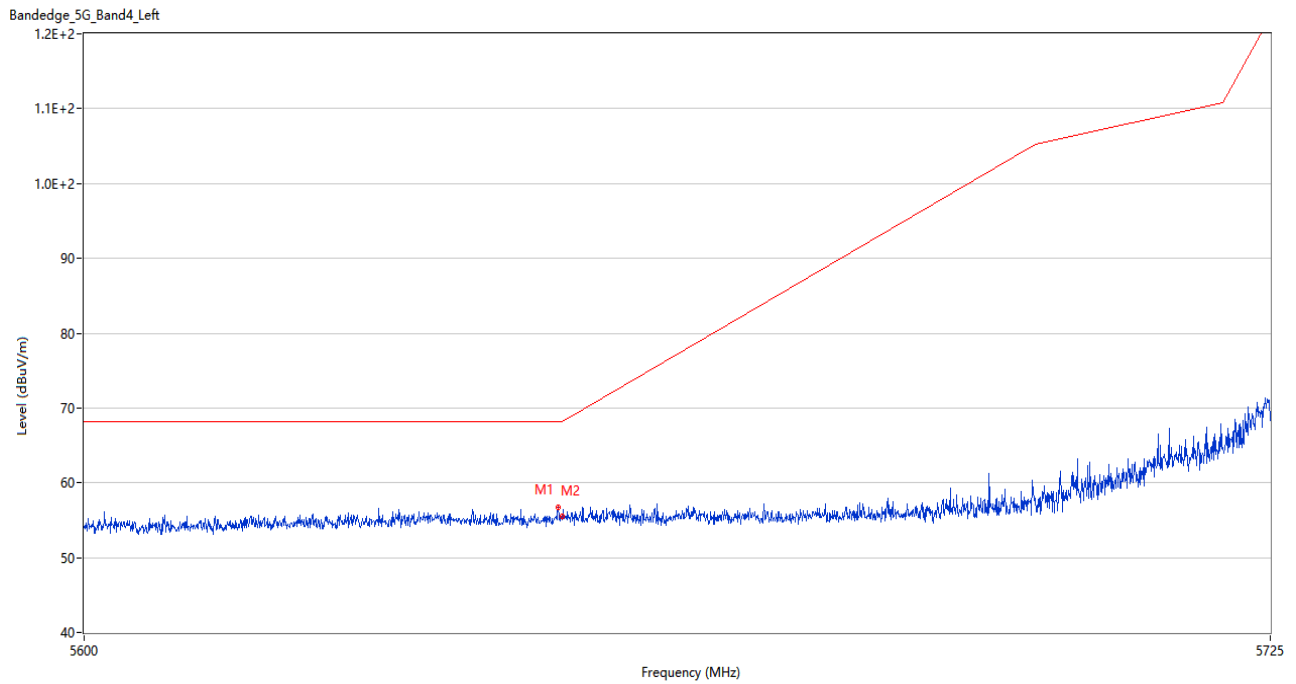
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.250	56.96	3.37	68.2	11.24	Peak	194.00	100	Vertical	Pass
2	5650.000	55.30	3.72	68.2	12.90	Peak	272.00	100	Vertical	Pass

U-NII-3 11n40 High Channel



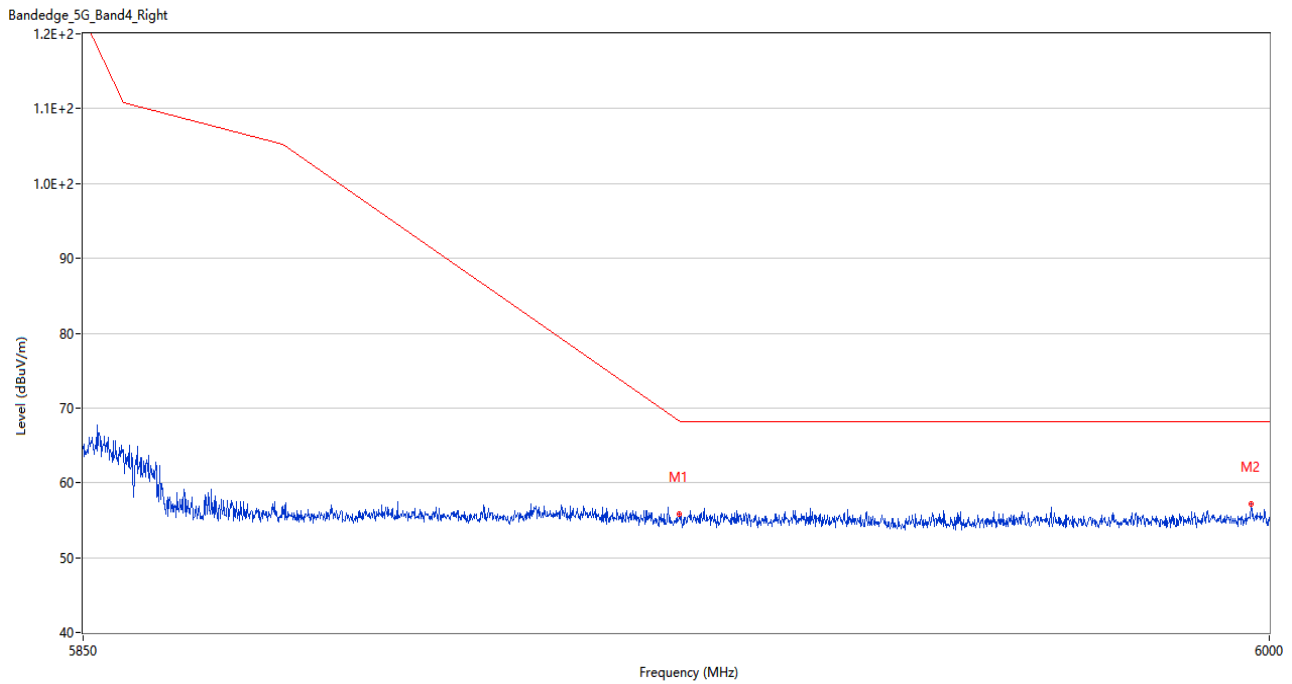
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.34	3.42	68.3	13.96	Peak	60.00	200	Vertical	Pass
2	5992.875	56.73	4.69	68.2	11.47	Peak	227.00	150	Vertical	Pass

U-NII-3 11ac20 Low Channel



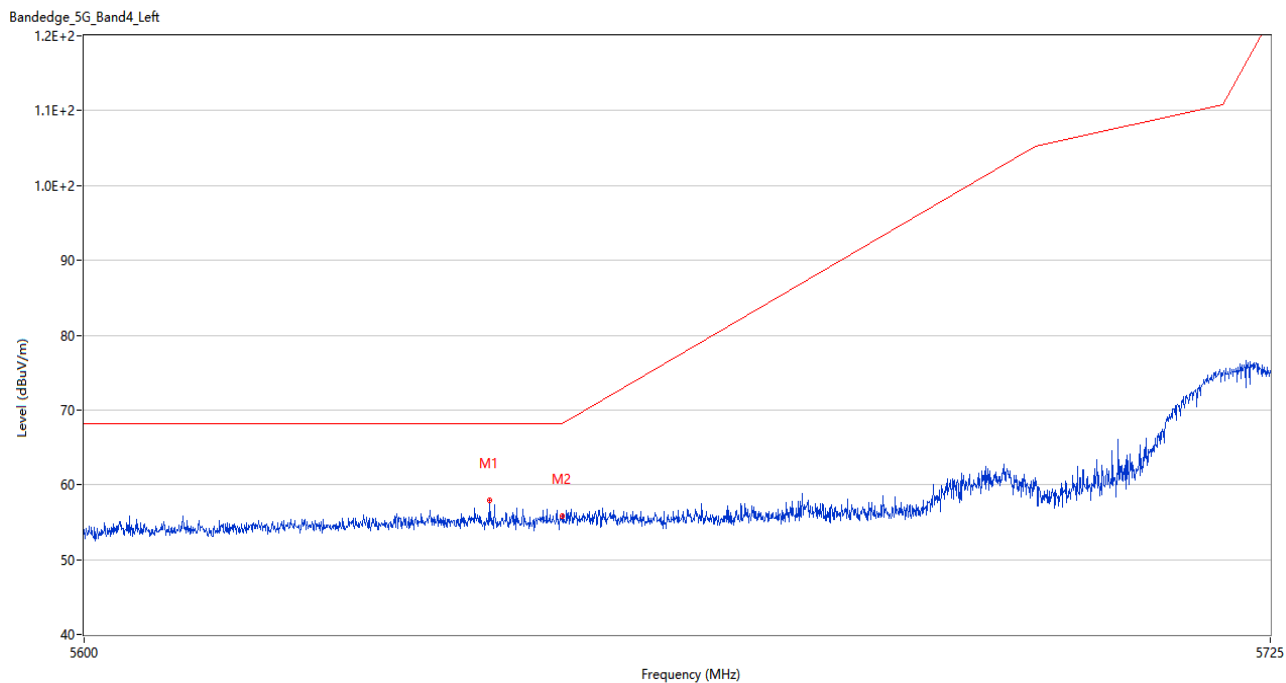
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.625	56.65	3.41	68.2	11.55	Peak	276.00	150	Vertical	Pass
2	5650.000	55.58	3.72	68.2	12.62	Peak	243.00	200	Vertical	Pass

U-NII-3 11ac20 High Channel



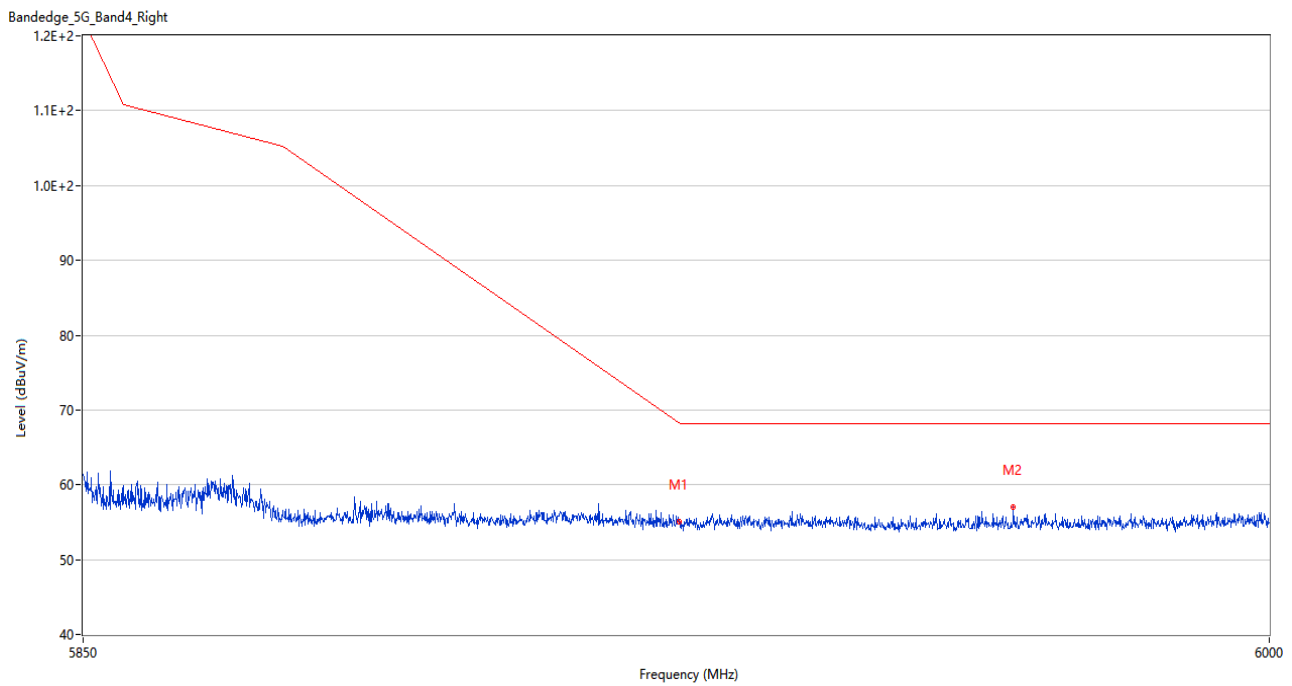
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.87	3.42	68.3	12.43	Peak	319.00	100	Vertical	Pass
2	5997.675	57.20	5.06	68.2	11.00	Peak	236.00	200	Vertical	Pass

U-NII-3 11ac40 Low Channel



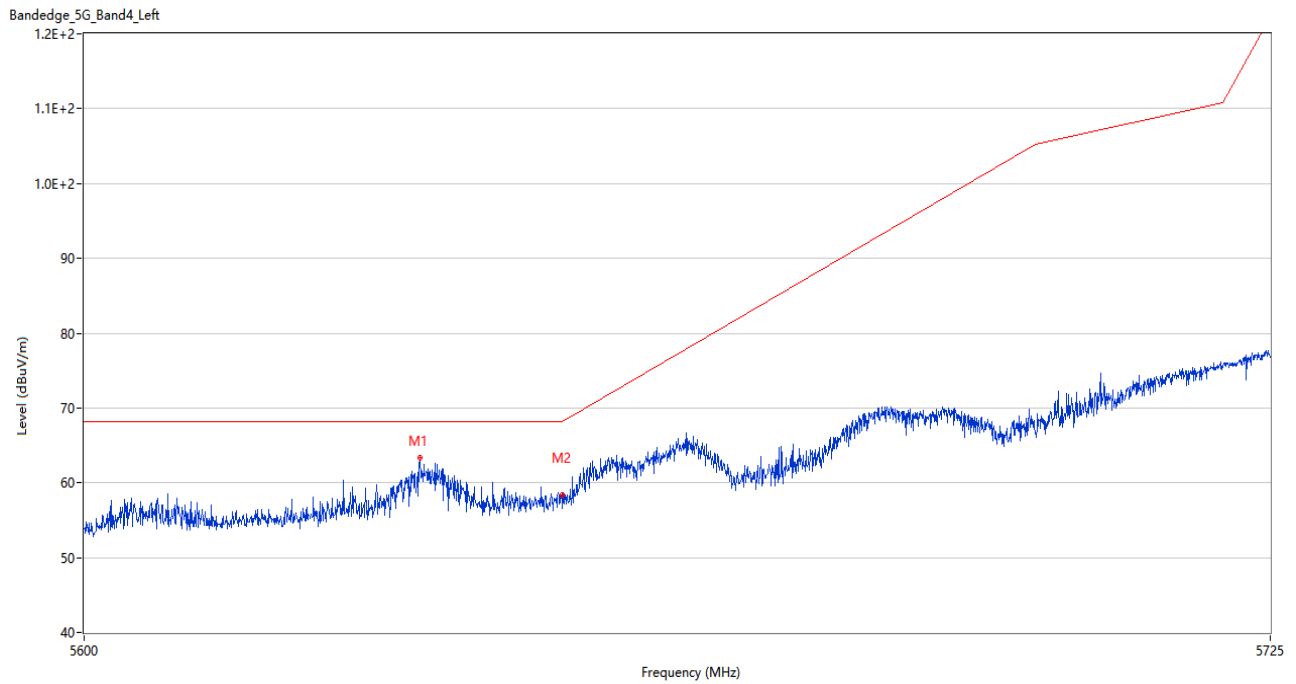
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.375	57.90	3.31	68.2	10.30	Peak	315.00	100	Vertical	Pass
2	5650.000	55.85	3.72	68.2	12.35	Peak	288.00	200	Vertical	Pass

U-NII-3 11ac40 High Channel



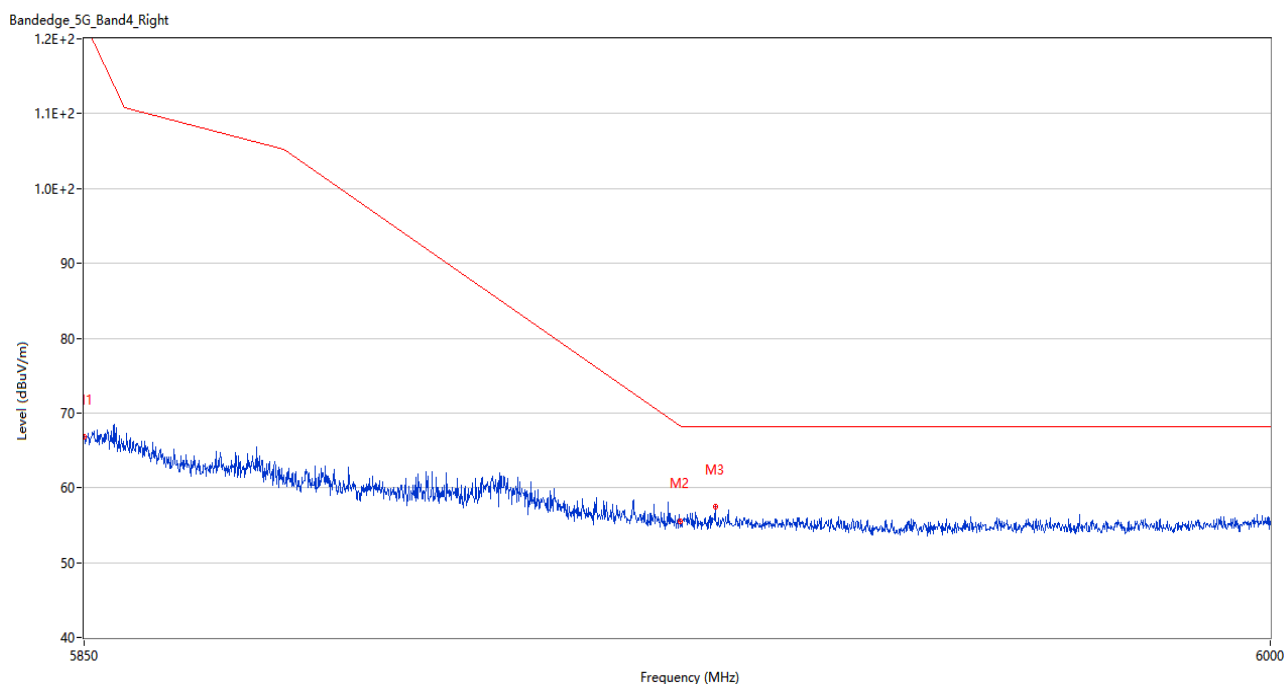
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.04	3.42	68.3	13.26	Peak	297.00	150	Vertical	Pass
2	5967.300	57.01	3.68	68.2	11.19	Peak	360.00	200	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.125	63.34	3.78	68.2	4.86	Peak	237.00	100	Vertical	Pass
2	5650.000	58.39	3.72	68.2	9.81	Peak	238.00	200	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.000	0.00	0.00	--	0.00	Peak	0.00	200	Vertical	N/A
2	5924.925	55.57	3.42	68.3	12.73	Peak	249.00	150	Vertical	Pass
3	5929.350	57.51	3.59	68.2	10.69	Peak	291.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2430302-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2430302-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2430302-AI.PDF”.

Statement

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--END OF REPORT--