TEST REPORT

Applicant:	E&S International Enterprises, Inc.
Address:	7801 Hayvenhurst Avenue, Van Nuys, California 91406 USA
Equipment Type:	All-in-one PC
Model Name:	RWBN22744 (refer to section 2.3)
Brand Name:	RCA
FCC ID:	2AYPE-RWBN22744
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	May 30, 2024
Test Date:	Jun. 18, 2024 - Jul. 11, 2024
Date of Issue:	Jul. 18, 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
Rev. 01	Jul. 18, 2024	Initial Issue

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	E&S International Enterprises, Inc.
Address	7801 Hayvenhurst Avenue, Van Nuys, California 91406 USA

2.2 Manufacturer Information

Manufacturer	Shenzhen Yuko Technology Co., Ltd.
Address	6th, A9 Bldg, Tianrui Industrial Park, Fuyuan 1st Rd, Fuyong, Boanan, Shenzhen

2.3 General Description for Equipment under Test (EUT)

EUT Name	All-in-one PC
Model Name Under Test	RWBN22744
Series Model Name	RWBN22744-GRY, E270
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in shell color. (this information provided by the applicant)
Hardware Version	N/A
Software Version	23H2
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/3

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-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: 30.55 mW U-NII-3: 30.69 mW
Antenna System (eg., MIMO, Smart Antenna)		N/A
Categorization as Correlated or Completely Uncorrelated		N/A
Antenna Type	Antenna 1	PIFA Antenna
	Antenna 2	
Antenna Gain	Antenna 1	U-NII-1: 5150 MHz to 5250 MHz: 2.10 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.92 dBi
	Antenna 2	U-NII-1: 5150 MHz to 5250 MHz: 4.01 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.90 dBi
About the Product		The equipment is All-in-one PC, 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**	**155**	**5775**
44	**5220**	**151**	**5755**		
48	**5240**	**159**	**5795**		
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-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	151	Low	5755
46	High	5230	159	High	5795

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	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-3
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
6 dB bandwidth	11a	6	BPSK	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(20 MHz)	6.5		N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	29.3		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/36	165/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	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	32% to 57%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.9℃ to +24.6℃
Working Voltage of the EUT	NV (Normal Voltage)	12.0 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2023.09.05	2024.09.04
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2024.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

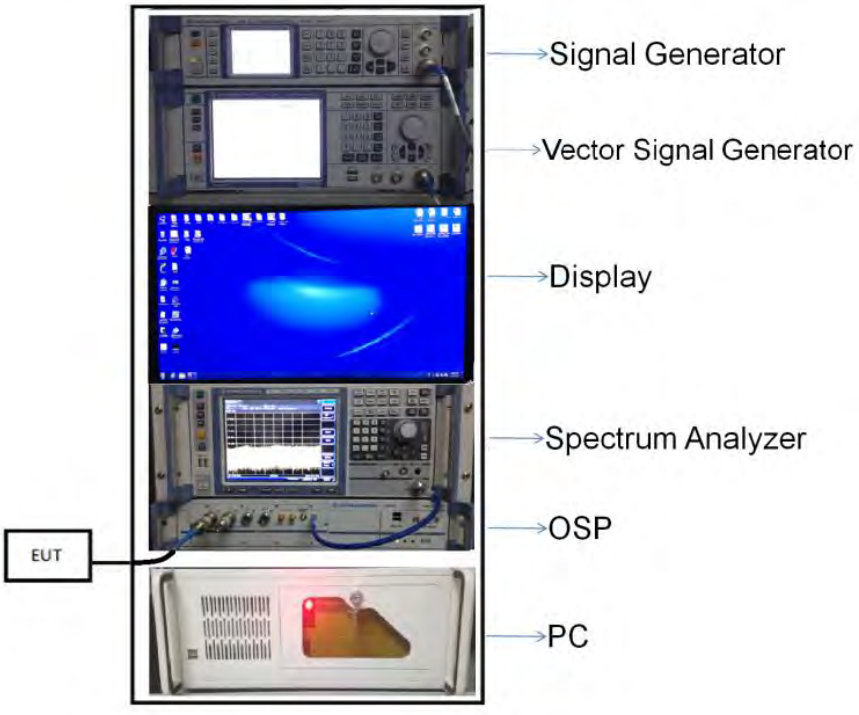
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8℃
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

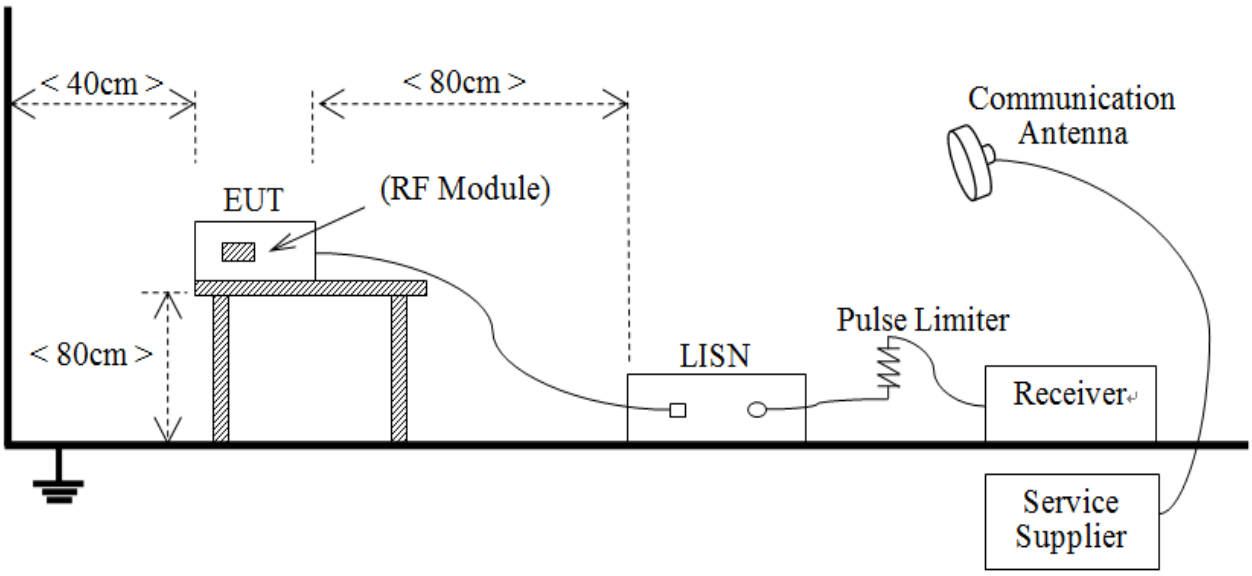
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



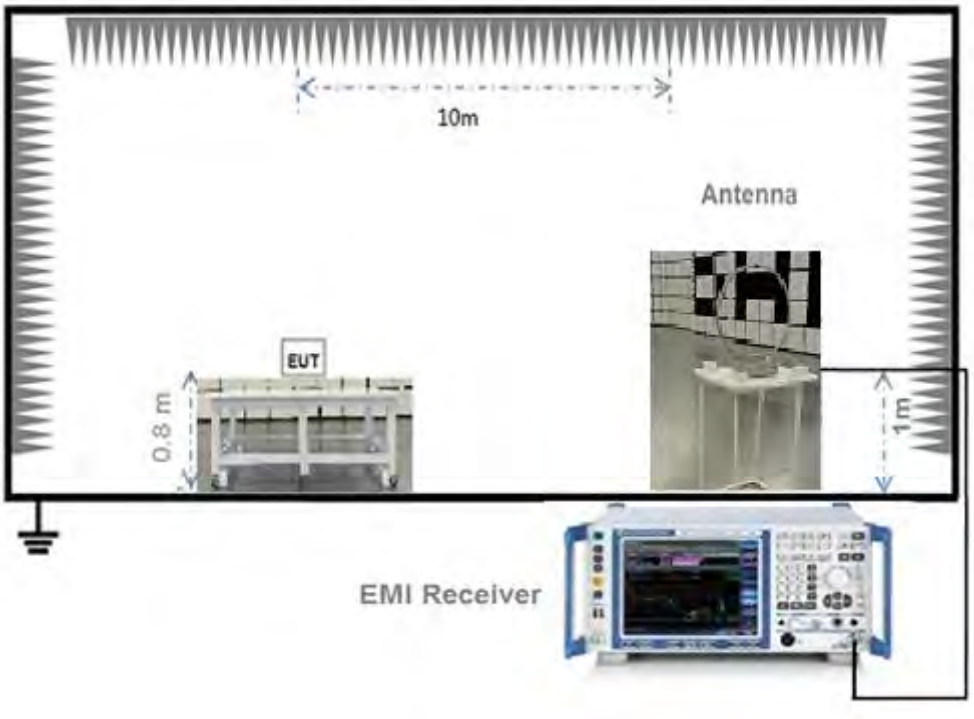
(Diagram 1)

4.5.2 For AC Power Supply Port Test



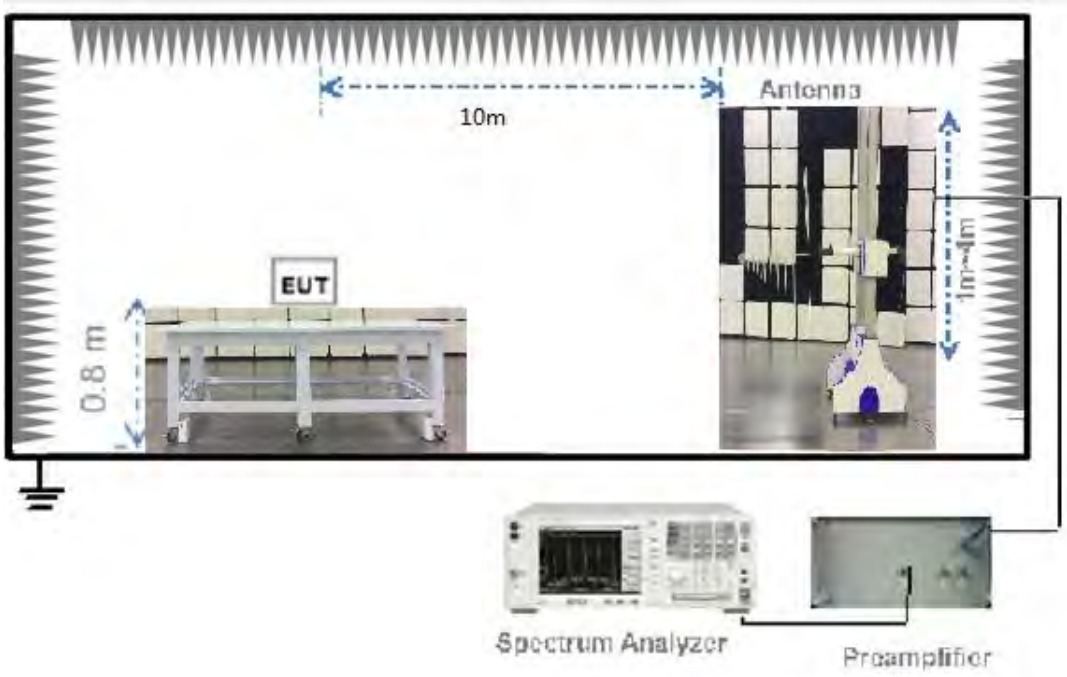
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



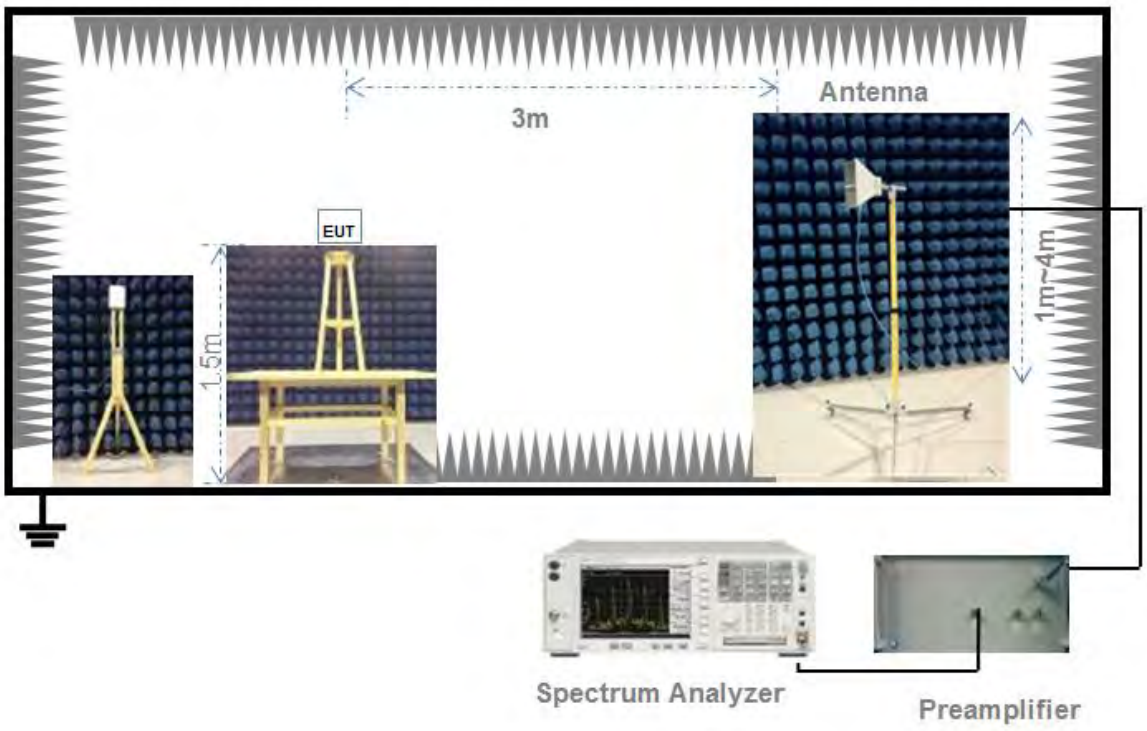
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.

2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.

3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

Set VBW ≥ RBW. Set detector = peak or average.

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.

2. Set VBW ≥ 3*RBW,

3. Detector = Peak.

4. Trace mode = Max hold.

5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW

2. Set RBW = 1% to 5% of the OBW.

3. Set VBW ≥ 3*RBW, Detector = Peak.

4. Trace mode = Max hold.

5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.

2. Detector = Peak.Trace mode = Max hold.

3. Allow the trace to stabilize.

4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

Note [1]: The Limit for radiated test was performed according to FCC Part 15C
Note [2]: The tighter limit applies at the band edge.

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

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

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

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

e) Compare the resultant electric field strength level to the applicable limit.

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

a) The EUT shall be configured to operate at the maximum achievable duty cycle.

b) Measure the duty cycle, x, of the transmitter output signal as described in section 6.0.

c) RBW = 1 MHz (unless otherwise specified).

d) VBW ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

f) Averaging type = power (i.e., RMS).

1) As an alternative, the detector and averaging type may be set for linear voltage averaging.

2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

g) Sweep time = auto.

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that

is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	50.11	50.11	100.00%	0.00
11n (HT20)/11ac (VHT20)	50.11	50.11	100.00%	0.00
11n (HT40)/11ac (VHT40)	50.11	50.11	100.00%	0.00
11ac (VHT80)	50.11	50.11	100.00%	0.00

Test Data

Conducted Power

Antenna 1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.40	27.54	250	Pass
11a	CH44	14.45	27.86	250	Pass
11a	CH48	14.38	27.42	250	Pass
11n (HT20)	CH36	14.62	28.97	250	Pass
11n (HT20)	CH44	14.40	27.54	250	Pass
11n (HT20)	CH48	14.85	30.55	250	Pass
11n (HT40)	CH38	12.95	19.72	250	Pass
11n (HT40)	CH46	14.52	28.31	250	Pass
11ac (VHT20)	CH36	14.61	28.91	250	Pass
11ac (VHT20)	CH44	14.59	28.77	250	Pass
11ac (VHT20)	CH48	14.82	30.34	250	Pass
11ac (VHT40)	CH38	12.33	17.10	250	Pass
11ac (VHT40)	CH46	14.72	29.65	250	Pass
11ac (VHT80)	CH42	10.90	12.30	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.09	25.64	1000	Pass
11a	CH157	14.25	26.61	1000	Pass
11a	CH165	14.11	25.76	1000	Pass
11n (HT20)	CH149	14.45	27.86	1000	Pass
11n (HT20)	CH157	14.52	28.31	1000	Pass
11n (HT20)	CH165	14.61	28.91	1000	Pass
11n (HT40)	CH151	14.67	29.31	1000	Pass
11n (HT40)	CH159	14.76	29.92	1000	Pass
11ac (VHT20)	CH149	14.64	29.11	1000	Pass
11ac (VHT20)	CH157	14.65	29.17	1000	Pass
11ac (VHT20)	CH165	14.87	30.69	1000	Pass
11ac (VHT40)	CH151	14.74	29.79	1000	Pass
11ac (VHT40)	CH159	14.62	28.97	1000	Pass
11ac (VHT80)	CH155	14.41	27.61	1000	Pass

Antenna 2

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.03	25.29	250	Pass
11a	CH44	14.23	26.49	250	Pass
11a	CH48	14.14	25.94	250	Pass
11n (HT20)	CH36	14.71	29.58	250	Pass
11n (HT20)	CH44	14.72	29.65	250	Pass
11n (HT20)	CH48	14.56	28.58	250	Pass
11n (HT40)	CH38	14.08	25.59	250	Pass
11n (HT40)	CH46	14.62	28.97	250	Pass
11ac (VHT20)	CH36	14.43	27.73	250	Pass
11ac (VHT20)	CH44	14.74	29.79	250	Pass
11ac (VHT20)	CH48	14.65	29.17	250	Pass
11ac (VHT40)	CH38	14.35	27.23	250	Pass
11ac (VHT40)	CH46	14.75	29.85	250	Pass
11ac (VHT80)	CH42	12.78	18.97	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.09	25.64	1000	Pass
11a	CH157	14.30	26.92	1000	Pass
11a	CH165	14.25	26.61	1000	Pass
11n (HT20)	CH149	14.40	27.54	1000	Pass
11n (HT20)	CH157	14.57	28.64	1000	Pass
11n (HT20)	CH165	14.81	30.27	1000	Pass
11n (HT40)	CH151	14.59	28.77	1000	Pass
11n (HT40)	CH159	14.78	30.06	1000	Pass
11ac (VHT20)	CH149	14.64	29.11	1000	Pass
11ac (VHT20)	CH157	14.55	28.51	1000	Pass
11ac (VHT20)	CH165	14.79	30.13	1000	Pass
11ac (VHT40)	CH151	14.43	27.73	1000	Pass
11ac (VHT40)	CH159	14.87	30.69	1000	Pass
11ac (VHT80)	CH155	14.67	29.31	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2460562-604 Data Part 1.pdf”.

Test Data

Antenna 1

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.04	16.57
11a	CH44	19.99	16.58
11a	CH48	20.04	16.58
11n (HT20)	CH36	21.04	17.67
11n (HT20)	CH44	20.97	17.66
11n (HT20)	CH48	21.02	17.67
11n (HT40)	CH38	41.75	36.19
11n (HT40)	CH46	41.78	36.20
11ac (VHT20)	CH36	21.25	17.68
11ac (VHT20)	CH44	21.18	17.68
11ac (VHT20)	CH48	21.29	17.68
11ac (VHT40)	CH38	41.71	36.19
11ac (VHT40)	CH46	41.74	36.20
11ac (VHT80)	CH42	82.40	75.54

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	39.44	23.07
11a	CH157	39.47	25.38
11a	CH165	39.45	24.38
11n (HT20)	CH149	40.00	25.11
11n (HT20)	CH157	40.00	27.28
11n (HT20)	CH165	40.00	27.13
11n (HT40)	CH151	80.00	50.81
11n (HT40)	CH159	80.00	55.98
11ac (VHT20)	CH149	40.00	25.90
11ac (VHT20)	CH157	40.00	27.27
11ac (VHT20)	CH165	40.00	27.89
11ac (VHT40)	CH151	80.00	50.68
11ac (VHT40)	CH159	80.00	53.97
11ac (VHT80)	CH155	160.00	105.64

Antenna 2

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.95	16.57
11a	CH44	20.00	16.57
11a	CH48	20.01	16.57
11n (HT20)	CH36	21.08	17.66
11n (HT20)	CH44	21.03	17.66
11n (HT20)	CH48	21.10	17.67
11n (HT40)	CH38	41.77	36.20
11n (HT40)	CH46	41.80	36.20
11ac (VHT20)	CH36	21.06	17.68
11ac (VHT20)	CH44	21.29	17.69
11ac (VHT20)	CH48	21.25	17.68
11ac (VHT40)	CH38	41.75	36.20
11ac (VHT40)	CH46	41.77	36.20
11ac (VHT80)	CH42	82.67	75.56

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	39.46	25.21
11a	CH157	40.00	27.45
11a	CH165	40.00	26.44
11n (HT20)	CH149	40.00	27.12
11n (HT20)	CH157	40.00	28.75
11n (HT20)	CH165	40.00	28.48
11n (HT40)	CH151	80.00	55.08
11n (HT40)	CH159	80.00	59.07
11ac (VHT20)	CH149	40.00	27.67
11ac (VHT20)	CH157	40.00	28.83
11ac (VHT20)	CH165	40.00	28.60
11ac (VHT40)	CH151	80.00	53.39
11ac (VHT40)	CH159	80.00	59.01
11ac (VHT80)	CH155	160.00	112.70

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2460562-604 Data Part 2.pdf”.

Test Data

Antenna 1

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.70	500.00	Pass
11a	CH157	16.70	500.00	Pass
11a	CH165	16.70	500.00	Pass
11n (HT20)	CH149	17.80	500.00	Pass
11n (HT20)	CH157	17.90	500.00	Pass
11n (HT20)	CH165	17.90	500.00	Pass
11n (HT40)	CH151	36.60	500.00	Pass
11n (HT40)	CH159	36.60	500.00	Pass
11ac (VHT20)	CH149	17.80	500.00	Pass
11ac (VHT20)	CH157	17.90	500.00	Pass
11ac (VHT20)	CH165	18.00	500.00	Pass
11ac (VHT40)	CH151	36.60	500.00	Pass
11ac (VHT40)	CH159	36.60	500.00	Pass
11ac (VHT80)	CH155	76.10	500.00	Pass

Antenna 2

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.70	500.00	Pass
11a	CH157	16.70	500.00	Pass
11a	CH165	16.70	500.00	Pass
11n (HT20)	CH149	18.00	500.00	Pass
11n (HT20)	CH157	17.90	500.00	Pass
11n (HT20)	CH165	17.80	500.00	Pass
11n (HT40)	CH151	36.60	500.00	Pass
11n (HT40)	CH159	36.60	500.00	Pass
11ac (VHT20)	CH149	17.80	500.00	Pass
11ac (VHT20)	CH157	17.90	500.00	Pass
11ac (VHT20)	CH165	17.90	500.00	Pass
11ac (VHT40)	CH151	36.60	500.00	Pass
11ac (VHT40)	CH159	36.60	500.00	Pass
11ac (VHT80)	CH155	76.10	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2460562-604 Data Part 3.pdf”.

Test Data

Antenna 1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	2.66	11.00	Pass
11a	CH44	2.33	11.00	Pass
11a	CH48	2.42	11.00	Pass
11n (HT20)	CH36	2.46	11.00	Pass
11n (HT20)	CH44	2.14	11.00	Pass
11n (HT20)	CH48	2.79	11.00	Pass
11n (HT40)	CH38	-1.96	11.00	Pass
11n (HT40)	CH46	-0.32	11.00	Pass
11ac (VHT20)	CH36	2.72	11.00	Pass
11ac (VHT20)	CH44	2.38	11.00	Pass
11ac (VHT20)	CH48	3.00	11.00	Pass
11ac (VHT40)	CH38	-2.34	11.00	Pass
11ac (VHT40)	CH46	-0.06	11.00	Pass
11ac (VHT80)	CH42	-5.55	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-0.55	30.00	Pass
11a	CH157	-0.25	30.00	Pass
11a	CH165	-0.35	30.00	Pass
11n (HT20)	CH149	-0.35	30.00	Pass
11n (HT20)	CH157	-0.05	30.00	Pass
11n (HT20)	CH165	0.15	30.00	Pass
11n (HT40)	CH151	-3.48	30.00	Pass
11n (HT40)	CH159	-3.07	30.00	Pass
11ac (VHT20)	CH149	-0.09	30.00	Pass
11ac (VHT20)	CH157	-0.09	30.00	Pass
11ac (VHT20)	CH165	0.33	30.00	Pass
11ac (VHT40)	CH151	-3.49	30.00	Pass
11ac (VHT40)	CH159	-3.44	30.00	Pass
11ac (VHT80)	CH155	-5.03	30.00	Pass

Antenna 2

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	1.84	11.00	Pass
11a	CH44	2.67	11.00	Pass
11a	CH48	2.46	11.00	Pass
11n (HT20)	CH36	2.84	11.00	Pass
11n (HT20)	CH44	2.61	11.00	Pass
11n (HT20)	CH48	2.81	11.00	Pass
11n (HT40)	CH38	-0.63	11.00	Pass
11n (HT40)	CH46	-0.17	11.00	Pass
11ac (VHT20)	CH36	2.58	11.00	Pass
11ac (VHT20)	CH44	3.03	11.00	Pass
11ac (VHT20)	CH48	2.81	11.00	Pass
11ac (VHT40)	CH38	-0.37	11.00	Pass
11ac (VHT40)	CH46	-0.17	11.00	Pass
11ac (VHT80)	CH42	-3.82	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-0.52	30.00	Pass
11a	CH157	-0.22	30.00	Pass
11a	CH165	-0.29	30.00	Pass
11n (HT20)	CH149	-0.21	30.00	Pass
11n (HT20)	CH157	0.06	30.00	Pass
11n (HT20)	CH165	0.23	30.00	Pass
11n (HT40)	CH151	-3.51	30.00	Pass
11n (HT40)	CH159	-2.96	30.00	Pass
11ac (VHT20)	CH149	0.07	30.00	Pass
11ac (VHT20)	CH157	0.09	30.00	Pass
11ac (VHT20)	CH165	0.20	30.00	Pass
11ac (VHT40)	CH151	-3.82	30.00	Pass
11ac (VHT40)	CH159	-2.99	30.00	Pass
11ac (VHT80)	CH155	-5.08	30.00	Pass

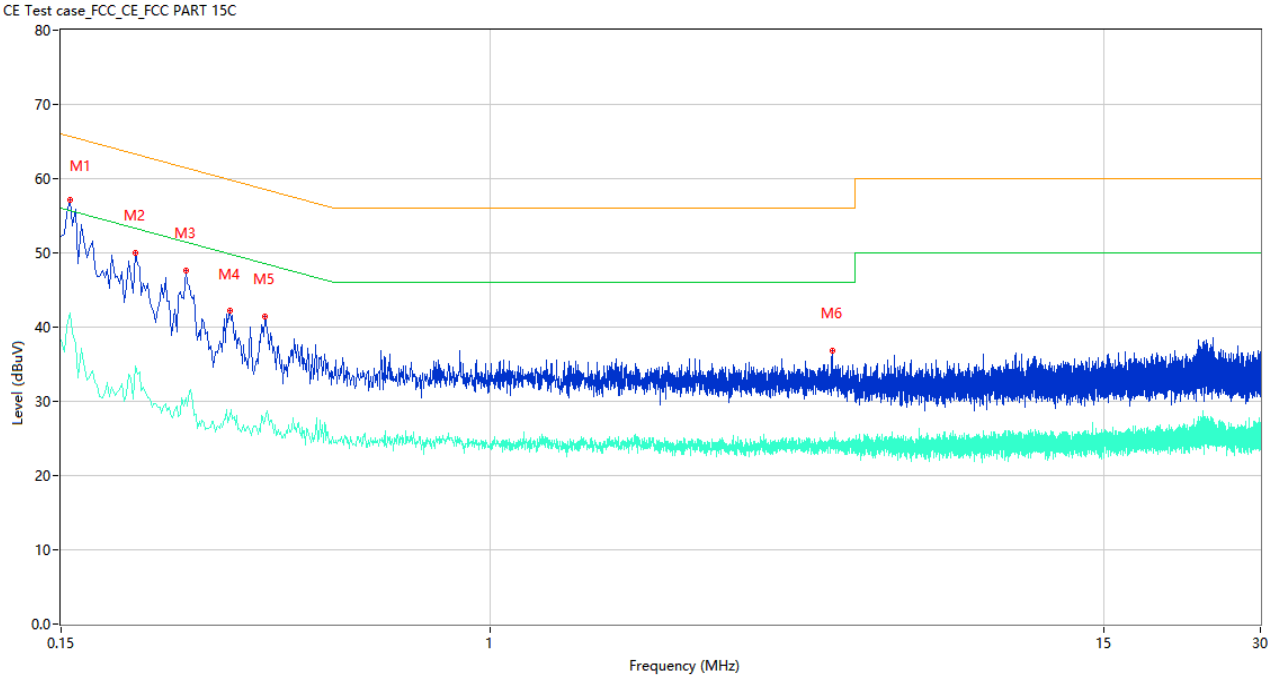
A.5 Conducted Emissions

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

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

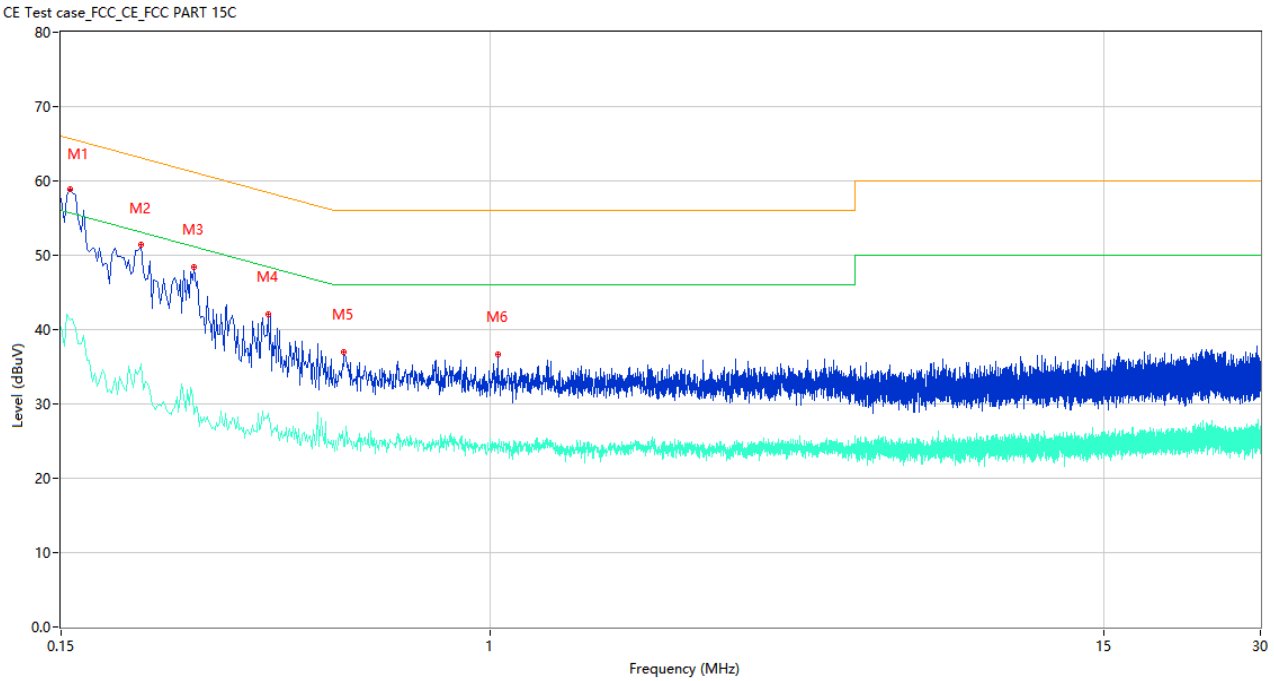
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	57.21	9.78	65.67	8.46	Peak	L	Pass
1**	0.156	41.98	9.78	55.67	13.69	AV	L	Pass
2	0.208	50.00	9.77	63.28	13.28	Peak	L	Pass
2**	0.208	34.81	9.77	53.28	18.47	AV	L	Pass
3	0.260	47.67	9.76	61.43	13.76	Peak	L	Pass
3**	0.260	30.48	9.76	51.43	20.95	AV	L	Pass
4	0.316	42.16	10.08	59.81	17.65	Peak	L	Pass
4**	0.316	28.14	10.08	49.81	21.67	AV	L	Pass
5	0.370	41.47	10.68	58.50	17.03	Peak	L	Pass
5**	0.370	27.41	10.68	48.50	21.09	AV	L	Pass
6	4.532	36.87	10.40	56.00	19.13	Peak	L	Pass
6**	4.532	24.94	10.40	46.00	21.06	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	58.83	9.78	65.67	6.84	Peak	N	Pass
1**	0.156	41.30	9.78	55.67	14.37	AV	N	Pass
2	0.214	51.43	9.77	63.05	11.62	Peak	N	Pass
2**	0.214	35.39	9.77	53.05	17.66	AV	N	Pass
3	0.270	48.44	9.76	61.12	12.68	Peak	N	Pass
3**	0.270	28.52	9.76	51.12	22.60	AV	N	Pass
4	0.374	42.07	10.66	58.41	16.34	Peak	N	Pass
4**	0.374	28.75	10.66	48.41	19.66	AV	N	Pass
5	0.524	37.04	10.00	56.00	18.96	Peak	N	Pass
5**	0.524	25.18	10.00	46.00	20.82	AV	N	Pass
6	1.032	36.61	10.10	56.00	19.39	Peak	N	Pass
6**	1.032	23.62	10.10	46.00	22.38	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.

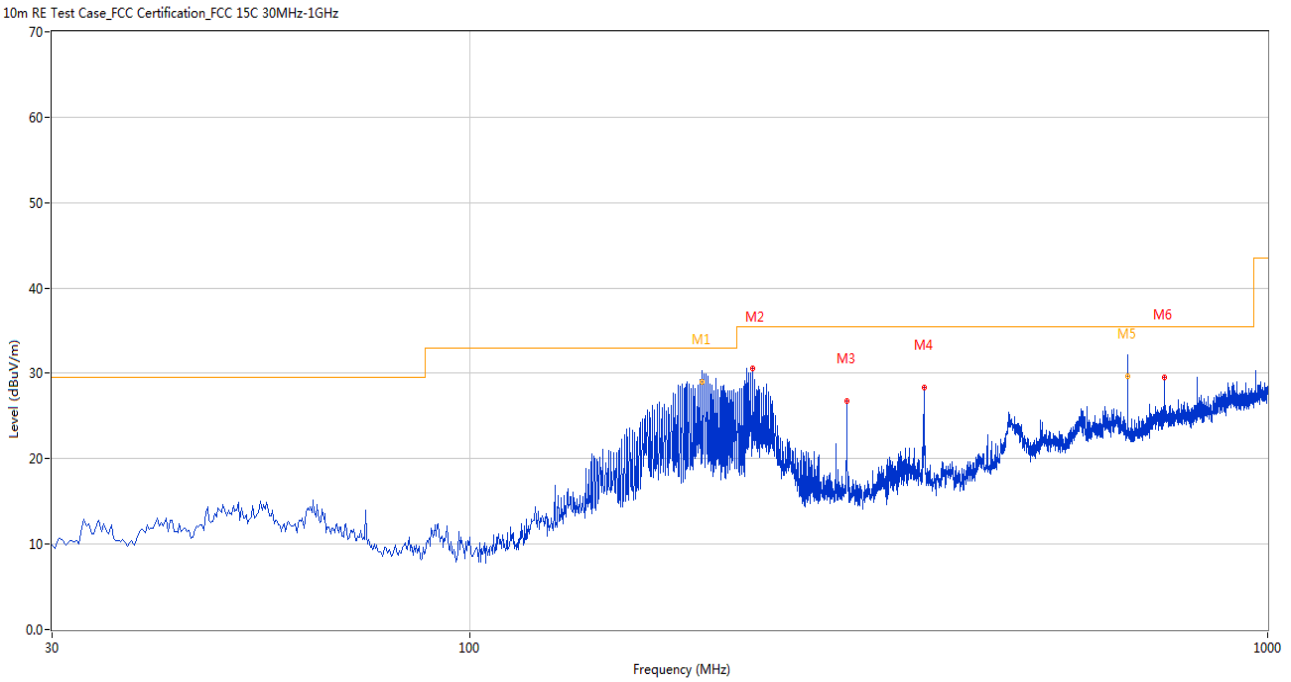
Note [3]: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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.

Note [5]: For Multiple transmitter output, the quantity *10 log (NANT)* dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding *10 log(NANT)* if the measurements are made relative to the in-band emissions on the individual outputs.

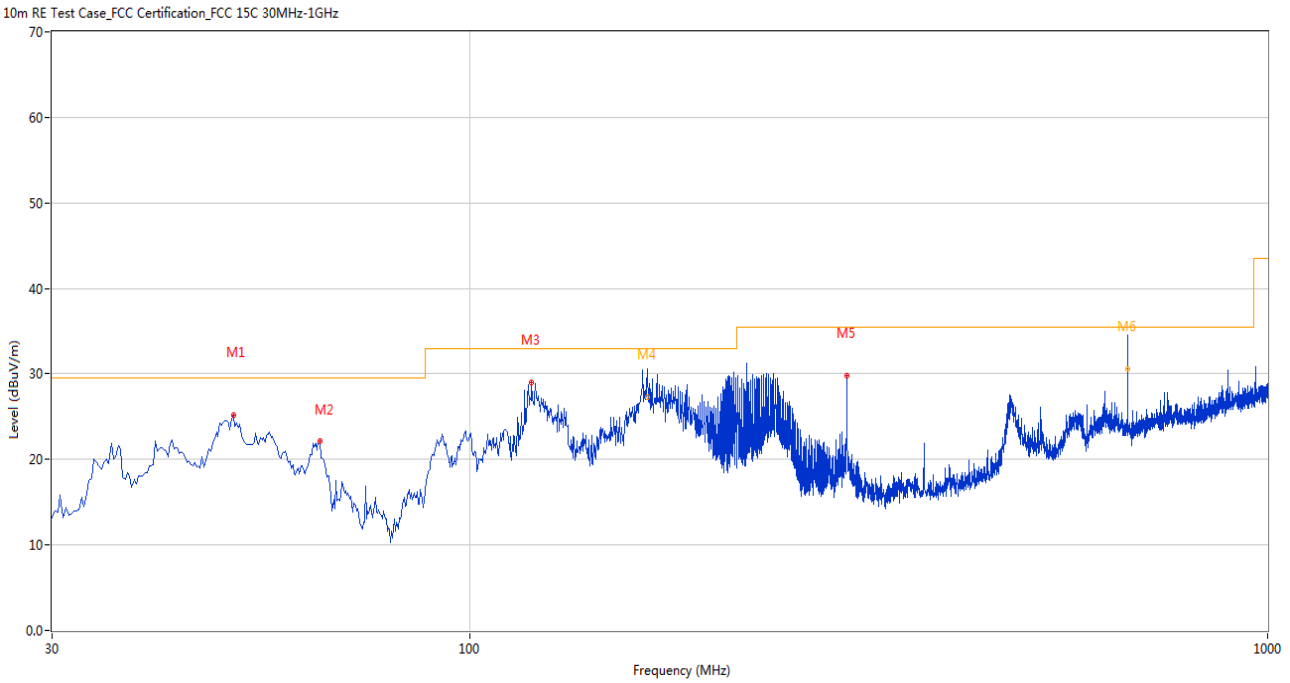
Test Data and Plots

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	195.586	30.37	-28.54	33.0	2.63	Peak	196.00	200	Horizontal	N/A
1*	195.586	29.01	-28.54	33.0	3.99	QP	196.00	200	Horizontal	Pass
2	226.376	30.58	-28.69	35.5	4.92	Peak	196.00	200	Horizontal	Pass
3	296.926	26.81	-24.94	35.5	8.69	Peak	0.00	200	Horizontal	Pass
4	371.355	28.31	-23.01	35.5	7.19	Peak	0.00	200	Horizontal	Pass
5	668.343	33.12	-15.87	35.5	2.38	Peak	47.00	100	Horizontal	N/A
5*	668.343	29.67	-15.87	35.5	5.83	QP	47.00	100	Horizontal	Pass
6	742.529	29.58	-13.65	35.5	5.92	Peak	71.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.607	25.12	-25.98	29.5	4.38	Peak	50.00	200	Vertical	Pass
2	64.911	22.08	-27.37	29.5	7.42	Peak	118.00	200	Vertical	Pass
3	119.703	29.05	-28.12	33.0	3.95	Peak	0.00	200	Vertical	Pass
4	166.978	30.53	-25.77	33.0	2.47	Peak	208.00	100	Vertical	N/A
4*	166.978	27.23	-25.77	33.0	5.77	QP	208.00	100	Vertical	Pass
5	296.926	29.82	-24.94	35.5	5.68	Peak	18.00	100	Vertical	Pass
6	668.343	35.60	-15.87	35.5	-0.10	Peak	360.00	200	Vertical	N/A
6*	668.343	30.57	-15.87	35.5	4.93	QP	360.00	200	Vertical	Pass

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

Antenna 1

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	1039.700	53.10	-17.71	74.0	20.90	Peak	308.00	150	Horizontal	Pass
1**	1039.700	50.62	-17.71	54.0	3.38	AV	308.00	150	Horizontal	Pass
2	4386.400	50.33	-3.29	74.0	23.67	Peak	93.00	300	Horizontal	Pass
2**	4386.400	41.39	-3.29	54.0	12.61	AV	93.00	300	Horizontal	Pass
3	5186.600	104.34	-2.39	--	--	Peak	301.00	150	Horizontal	N/A
3**	5186.600	97.71	-2.39	--	--	AV	301.00	150	Horizontal	N/A
4	7341.263	49.40	-3.09	74.0	24.60	Peak	181.00	100	Horizontal	Pass
4**	7341.263	41.44	-3.09	54.0	12.56	AV	181.00	100	Horizontal	Pass
5	11629.325	53.25	-0.19	74.0	20.75	Peak	8.00	150	Horizontal	Pass
5**	11629.325	44.02	-0.19	54.0	9.98	AV	8.00	150	Horizontal	Pass
6	15634.612	56.67	1.56	74.0	17.33	Peak	61.00	300	Horizontal	Pass
6**	15634.612	45.69	1.56	54.0	8.31	AV	61.00	300	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	1504.600	47.78	-16.86	74.0	26.22	Peak	17.00	200	Vertical	Pass
1**	1504.600	34.34	-16.86	54.0	19.66	AV	17.00	200	Vertical	Pass
2	4398.800	50.64	-4.65	74.0	23.36	Peak	176.00	300	Vertical	Pass
2**	4398.800	40.45	-4.65	54.0	13.55	AV	176.00	300	Vertical	N/A
3	5185.600	105.25	-2.42	--	--	Peak	0.00	150	Vertical	N/A
3**	5185.600	98.44	-2.42	--	--	AV	0.00	150	Vertical	N/A
4	7388.987	50.10	-3.97	74.0	23.90	Peak	360.00	200	Vertical	Pass
4**	7388.987	40.37	-3.97	54.0	13.63	AV	360.00	200	Vertical	Pass
5	12677.262	53.20	0.90	74.0	20.80	Peak	250.00	150	Vertical	Pass
5**	12677.262	42.99	0.90	54.0	11.01	AV	250.00	150	Vertical	Pass
6	15809.175	56.06	2.18	74.0	17.94	Peak	244.00	200	Vertical	Pass
6**	15809.175	46.59	2.18	54.0	7.41	AV	244.00	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	1039.600	53.63	-17.71	74.0	20.37	Peak	306.00	150	Horizontal	Pass
1**	1039.600	50.72	-17.71	54.0	3.28	AV	306.00	150	Horizontal	Pass
2	4390.400	50.18	-3.30	74.0	23.82	Peak	155.00	400	Horizontal	Pass
2**	4390.400	41.49	-3.30	54.0	12.51	AV	155.00	400	Horizontal	Pass
3	5226.200	104.86	-2.64	--	--	Peak	298.00	100	Horizontal	N/A
3**	5226.200	97.51	-2.64	--	--	AV	298.00	100	Horizontal	N/A
4	7687.700	50.19	-2.17	74.0	23.81	Peak	2.00	200	Horizontal	Pass
4**	7687.700	40.39	-2.17	54.0	13.61	AV	2.00	200	Horizontal	Pass
5	12425.125	53.12	1.44	74.0	20.88	Peak	204.00	100	Horizontal	Pass
5**	12425.125	43.54	1.44	54.0	10.46	AV	204.00	100	Horizontal	Pass
6	15846.974	56.58	1.35	74.0	17.42	Peak	360.00	200	Horizontal	Pass
6**	15846.974	46.94	1.35	54.0	7.06	AV	360.00	200	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	1622.700	48.45	-16.94	74.0	25.55	Peak	39.00	200	Vertical	Pass
1**	1622.700	35.83	-16.94	54.0	18.17	AV	39.00	200	Vertical	Pass
2	4381.800	50.19	-3.63	74.0	23.81	Peak	159.00	300	Vertical	Pass
2**	4381.800	41.50	-3.63	54.0	12.50	AV	159.00	300	Vertical	Pass
3	5213.800	105.12	-2.33	--	--	Peak	360.00	200	Vertical	N/A
3**	5213.800	97.81	-2.33	--	--	AV	360.00	200	Vertical	N/A
4	7687.987	50.29	-2.21	74.0	23.71	Peak	19.00	400	Vertical	Pass
4**	7687.987	40.16	-2.21	54.0	13.84	AV	19.00	400	Vertical	Pass
5	12612.862	53.38	1.88	74.0	20.62	Peak	293.00	200	Vertical	Pass
5**	12612.862	44.36	1.88	54.0	9.64	AV	293.00	200	Vertical	Pass
6	15641.700	55.39	1.31	74.0	18.61	Peak	22.00	200	Vertical	Pass
6**	15641.700	46.15	1.31	54.0	7.85	AV	22.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.800	52.60	-17.70	74.0	21.40	Peak	298.00	150	Horizontal	Pass
1**	1039.800	50.98	-17.70	54.0	3.02	AV	298.00	150	Horizontal	Pass
2	4380.000	50.88	-3.32	74.0	23.12	Peak	127.00	400	Horizontal	Pass
2**	4380.000	41.85	-3.32	54.0	12.15	AV	127.00	400	Horizontal	Pass
3	5244.200	104.18	-2.38	--	--	Peak	296.00	150	Horizontal	N/A
3**	5244.200	96.61	-2.38	--	--	AV	296.00	150	Horizontal	N/A
4	7384.675	50.27	-3.68	74.0	23.73	Peak	214.00	400	Horizontal	Pass
4**	7384.675	40.79	-3.68	54.0	13.21	AV	214.00	400	Horizontal	Pass
5	12269.875	53.46	1.45	74.0	20.54	Peak	0.00	100	Horizontal	Pass
5**	12269.875	44.09	1.45	54.0	9.91	AV	0.00	100	Horizontal	Pass
6	16080.600	56.98	1.63	74.0	17.02	Peak	79.00	400	Horizontal	Pass
6**	16080.600	46.88	1.63	54.0	7.12	AV	79.00	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	1485.000	46.74	-16.73	74.0	27.26	Peak	331.00	300	Vertical	Pass
1**	1485.000	41.64	-16.73	54.0	12.36	AV	331.00	300	Vertical	Pass
2	4201.600	50.10	-4.43	74.0	23.90	Peak	360.00	300	Vertical	Pass
2**	4201.600	40.18	-4.43	54.0	13.82	AV	360.00	300	Vertical	Pass
3	5233.800	104.73	-2.81	--	--	Peak	360.00	150	Vertical	N/A
3**	5233.800	97.53	-2.81	--	--	AV	360.00	150	Vertical	N/A
4	7337.812	50.03	-2.88	74.0	23.97	Peak	0.00	300	Vertical	Pass
4**	7337.812	40.98	-2.88	54.0	13.02	AV	0.00	300	Vertical	Pass
5	12311.850	53.53	1.38	74.0	20.47	Peak	119.00	150	Vertical	Pass
5**	12311.850	43.54	1.38	54.0	10.46	AV	119.00	150	Vertical	Pass
6	15847.238	55.58	1.35	74.0	18.42	Peak	41.00	200	Vertical	Pass
6**	15847.238	46.97	1.35	54.0	7.03	AV	41.00	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	1039.500	52.78	-17.71	74.0	21.22	Peak	301.00	150	Horizontal	Pass
1**	1039.500	50.70	-17.71	54.0	3.30	AV	301.00	150	Horizontal	Pass
2	3988.000	51.13	-4.80	74.0	22.87	Peak	267.00	100	Horizontal	Pass
2**	3988.000	40.14	-4.80	54.0	13.86	AV	267.00	100	Horizontal	Pass
3	5175.200	104.61	-2.38	--	--	Peak	292.00	150	Horizontal	N/A
3**	5175.200	96.94	-2.38	--	--	AV	292.00	150	Horizontal	N/A
4	7366.850	49.91	-3.66	74.0	24.09	Peak	188.00	200	Horizontal	Pass
4**	7366.850	40.62	-3.66	54.0	13.38	AV	188.00	200	Horizontal	Pass
5	12609.988	53.65	1.89	74.0	20.35	Peak	0.00	200	Horizontal	Pass
5**	12609.988	44.11	1.89	54.0	9.89	AV	0.00	200	Horizontal	Pass
6	15518.588	55.37	1.39	74.0	18.63	Peak	64.00	400	Horizontal	Pass
6**	15518.588	45.56	1.39	54.0	8.44	AV	64.00	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	1622.800	46.90	-16.95	74.0	27.10	Peak	308.00	400	Vertical	Pass
1**	1622.800	31.75	-16.95	54.0	22.25	AV	308.00	400	Vertical	Pass
2	4377.200	51.03	-3.65	74.0	22.97	Peak	235.00	400	Vertical	Pass
2**	4377.200	41.38	-3.65	54.0	12.62	AV	235.00	400	Vertical	Pass
3	5185.000	106.19	-2.44	--	--	Peak	360.00	200	Vertical	N/A
3**	5185.000	99.19	-2.44	--	--	AV	360.00	200	Vertical	N/A
4	7339.825	49.68	-2.95	74.0	24.32	Peak	33.00	200	Vertical	Pass
4**	7339.825	41.20	-2.95	54.0	12.80	AV	33.00	200	Vertical	Pass
5	12218.412	53.05	1.21	74.0	20.95	Peak	360.00	100	Vertical	Pass
5**	12218.412	42.85	1.21	54.0	11.15	AV	360.00	100	Vertical	Pass
6	16013.924	55.71	0.47	74.0	18.29	Peak	154.00	200	Vertical	Pass
6**	16013.924	46.22	0.47	54.0	7.78	AV	154.00	200	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	1039.700	54.20	-17.71	74.0	19.80	Peak	300.00	150	Horizontal	Pass
1**	1039.700	50.73	-17.71	54.0	3.27	AV	300.00	150	Horizontal	Pass
2	4380.600	50.73	-3.42	74.0	23.27	Peak	0.00	100	Horizontal	Pass
2**	4380.600	41.40	-3.42	54.0	12.60	AV	0.00	100	Horizontal	Pass
3	5226.200	104.91	-2.64	--	--	Peak	306.00	150	Horizontal	N/A
3**	5226.200	97.34	-2.64	--	--	AV	306.00	150	Horizontal	N/A
4	7339.250	49.87	-2.93	74.0	24.13	Peak	360.00	400	Horizontal	Pass
4**	7339.250	42.27	-2.93	54.0	11.73	AV	360.00	400	Horizontal	Pass
5	12319.901	52.96	1.42	74.0	21.04	Peak	321.00	150	Horizontal	Pass
5**	12319.901	43.96	1.42	54.0	10.04	AV	321.00	150	Horizontal	Pass
6	16126.012	55.86	0.85	74.0	18.14	Peak	202.00	300	Horizontal	Pass
6**	16126.012	45.96	0.85	54.0	8.04	AV	202.00	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	1623.300	46.66	-17.01	74.0	27.34	Peak	298.00	400	Vertical	Pass
1**	1623.300	35.47	-17.01	54.0	18.53	AV	298.00	400	Vertical	Pass
2	4390.000	50.04	-3.32	74.0	23.96	Peak	299.00	400	Vertical	Pass
2**	4390.000	42.34	-3.32	54.0	11.66	AV	299.00	400	Vertical	Pass
3	5225.200	105.20	-2.56	--	--	Peak	360.00	150	Vertical	N/A
3**	5225.200	98.08	-2.56	--	--	AV	360.00	150	Vertical	N/A
4	7319.700	49.78	-3.04	74.0	24.22	Peak	143.00	200	Vertical	Pass
4**	7319.700	40.71	-3.04	54.0	13.29	AV	143.00	200	Vertical	Pass
5	11934.363	53.90	1.67	74.0	20.10	Peak	203.00	200	Vertical	Pass
5**	11934.363	44.33	1.67	54.0	9.67	AV	203.00	200	Vertical	Pass
6	15497.588	55.98	1.11	74.0	18.02	Peak	325.00	300	Vertical	Pass
6**	15497.588	46.00	1.11	54.0	8.00	AV	325.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.41	-17.71	74.0	20.59	Peak	298.00	150	Horizontal	Pass
1**	1039.600	50.95	-17.71	54.0	3.05	AV	298.00	150	Horizontal	Pass
2	4261.400	50.25	-4.60	74.0	23.75	Peak	229.00	300	Horizontal	Pass
2**	4261.400	40.02	-4.60	54.0	13.98	AV	229.00	300	Horizontal	Pass
3	5247.600	104.80	-2.24	--	--	Peak	305.00	100	Horizontal	N/A
3**	5247.600	97.19	-2.24	--	--	AV	305.00	100	Horizontal	N/A
4	7392.150	49.68	-3.84	74.0	24.32	Peak	142.00	200	Horizontal	Pass
4**	7392.150	40.44	-3.84	54.0	13.56	AV	142.00	200	Horizontal	Pass
5	11918.550	53.10	1.49	74.0	20.90	Peak	142.00	200	Horizontal	Pass
5**	11918.550	43.22	1.49	54.0	10.78	AV	142.00	200	Horizontal	Pass
6	16066.162	55.63	1.19	74.0	18.37	Peak	228.00	300	Horizontal	Pass
6**	16066.162	46.20	1.19	54.0	7.80	AV	228.00	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	1607.600	47.37	-17.49	74.0	26.63	Peak	24.00	400	Vertical	Pass
1**	1607.600	39.01	-17.49	54.0	14.99	AV	24.00	400	Vertical	Pass
2	4388.400	50.22	-3.40	74.0	23.78	Peak	161.00	100	Vertical	Pass
2**	4388.400	42.59	-3.40	54.0	11.41	AV	161.00	100	Vertical	Pass
3	5236.000	105.27	-2.52	--	--	Peak	360.00	100	Vertical	N/A
3**	5236.000	98.32	-2.52	--	--	AV	360.00	100	Vertical	N/A
4	7338.387	49.69	-2.90	74.0	24.31	Peak	0.00	400	Vertical	Pass
4**	7338.387	40.50	-2.90	54.0	13.50	AV	0.00	400	Vertical	Pass
5	12206.625	53.52	0.87	74.0	20.48	Peak	0.00	100	Vertical	Pass
5**	12206.625	43.16	0.87	54.0	10.84	AV	0.00	100	Vertical	Pass
6	15822.825	56.41	1.74	74.0	17.59	Peak	329.00	300	Vertical	Pass
6**	15822.825	47.47	1.74	54.0	6.53	AV	329.00	300	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	1039.600	53.41	-17.71	74.0	20.59	Peak	294.00	150	Horizontal	Pass
1**	1039.600	50.69	-17.71	54.0	3.31	AV	294.00	150	Horizontal	Pass
2	4386.800	50.08	-3.31	74.0	23.92	Peak	149.00	300	Horizontal	Pass
2**	4386.800	41.58	-3.31	54.0	12.42	AV	149.00	300	Horizontal	Pass
3	5202.800	102.36	-2.16	--	--	Peak	299.00	200	Horizontal	N/A
3**	5202.800	95.53	-2.16	--	--	AV	299.00	200	Horizontal	N/A
4	7334.650	50.50	-3.21	74.0	23.50	Peak	0.00	200	Horizontal	Pass
4**	7334.650	40.69	-3.21	54.0	13.31	AV	0.00	200	Horizontal	Pass
5	12616.025	53.64	1.86	74.0	20.36	Peak	320.00	100	Horizontal	Pass
5**	12616.025	43.81	1.86	54.0	10.19	AV	320.00	100	Horizontal	Pass
6	16067.738	55.63	1.25	74.0	18.37	Peak	91.00	200	Horizontal	Pass
6**	16067.738	45.94	1.25	54.0	8.06	AV	91.00	200	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	1614.200	46.80	-17.50	74.0	27.20	Peak	28.00	400	Vertical	Pass
1**	1614.200	35.05	-17.50	54.0	18.95	AV	28.00	400	Vertical	Pass
2	4380.000	50.43	-3.32	74.0	23.57	Peak	359.00	300	Vertical	Pass
2**	4380.000	41.43	-3.32	54.0	12.57	AV	359.00	300	Vertical	Pass
3	5186.400	103.22	-2.40	--	--	Peak	359.00	200	Vertical	Pass
3**	5186.400	95.49	-2.40	--	--	AV	359.00	200	Vertical	N/A
4	7478.688	49.56	-3.80	74.0	24.44	Peak	199.00	200	Vertical	Pass
4**	7478.688	40.36	-3.80	54.0	13.64	AV	199.00	200	Vertical	Pass
5	12262.688	52.90	1.19	74.0	21.10	Peak	53.00	100	Vertical	Pass
5**	12262.688	43.94	1.19	54.0	10.06	AV	53.00	100	Vertical	Pass
6	16026.263	55.86	0.68	74.0	18.14	Peak	157.00	100	Vertical	Pass
6**	16026.263	46.15	0.68	54.0	7.85	AV	157.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.43	-17.71	74.0	20.57	Peak	305.00	150	Horizontal	Pass
1**	1039.600	50.65	-17.71	54.0	3.35	AV	305.00	150	Horizontal	Pass
2	3992.600	50.15	-4.43	74.0	23.85	Peak	268.00	400	Horizontal	Pass
2**	3992.600	39.79	-4.43	54.0	14.21	AV	268.00	400	Horizontal	Pass
3	5232.400	102.17	-2.65	--	--	Peak	292.00	100	Horizontal	N/A
3**	5232.400	94.06	-2.65	--	--	AV	292.00	100	Horizontal	N/A
4	7314.237	49.80	-3.36	74.0	24.20	Peak	74.00	100	Horizontal	Pass
4**	7314.237	39.75	-3.36	54.0	14.25	AV	74.00	100	Horizontal	Pass
5	12000.201	53.34	1.28	74.0	20.66	Peak	94.00	100	Horizontal	Pass
5**	12000.201	42.39	1.28	54.0	11.61	AV	94.00	100	Horizontal	Pass
6	15866.401	55.64	0.76	74.0	18.36	Peak	267.00	100	Horizontal	Pass
6**	15866.401	45.99	0.76	54.0	8.01	AV	267.00	100	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	1484.900	47.98	-16.75	74.0	26.02	Peak	302.00	400	Vertical	Pass
1**	1484.900	39.85	-16.75	54.0	14.15	AV	302.00	400	Vertical	Pass
2	4385.000	51.67	-3.47	74.0	22.33	Peak	173.00	100	Vertical	Pass
2**	4385.000	41.88	-3.47	54.0	12.12	AV	173.00	100	Vertical	Pass
3	5231.400	102.52	-2.56	--	--	Peak	360.00	200	Vertical	N/A
3**	5231.400	94.78	-2.56	--	--	AV	360.00	200	Vertical	N/A
4	7340.400	49.66	-3.01	74.0	24.34	Peak	0.00	400	Vertical	Pass
4**	7340.400	40.93	-3.01	54.0	13.07	AV	0.00	400	Vertical	Pass
5	12325.363	53.07	1.42	74.0	20.93	Peak	36.00	100	Vertical	Pass
5**	12325.363	44.46	1.42	54.0	9.54	AV	36.00	100	Vertical	Pass
6	15787.650	56.91	1.91	74.0	17.09	Peak	218.00	100	Vertical	Pass
6**	15787.650	46.38	1.91	54.0	7.62	AV	218.00	100	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	1039.600	53.31	-17.71	74.0	20.69	Peak	304.00	150	Horizontal	Pass
1**	1039.600	50.48	-17.71	54.0	3.52	AV	304.00	150	Horizontal	Pass
2	4379.400	50.96	-3.32	74.0	23.04	Peak	292.00	200	Horizontal	Pass
2**	4379.400	41.53	-3.32	54.0	12.47	AV	292.00	200	Horizontal	Pass
3	5184.800	105.04	-2.45	--	--	Peak	292.00	200	Horizontal	N/A
3**	5184.800	98.08	-2.45	--	--	AV	292.00	200	Horizontal	N/A
4	7398.475	49.67	-4.07	74.0	24.33	Peak	111.00	400	Horizontal	Pass
4**	7398.475	40.07	-4.07	54.0	13.93	AV	111.00	400	Horizontal	Pass
5	12364.463	53.15	1.20	74.0	20.85	Peak	111.00	200	Horizontal	Pass
5**	12364.463	43.66	1.20	54.0	10.34	AV	111.00	200	Horizontal	Pass
6	15838.576	55.57	1.45	74.0	18.43	Peak	360.00	300	Horizontal	Pass
6**	15838.576	46.70	1.45	54.0	7.30	AV	360.00	300	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	1622.000	47.56	-16.86	74.0	26.44	Peak	302.00	400	Vertical	Pass
1**	1622.000	37.26	-16.86	54.0	16.74	AV	302.00	400	Vertical	Pass
2	4387.000	50.92	-3.33	74.0	23.08	Peak	46.00	200	Vertical	Pass
2**	4387.000	41.82	-3.33	54.0	12.18	AV	46.00	200	Vertical	Pass
3	5175.200	106.18	-2.38	--	--	Peak	360.00	100	Vertical	N/A
3**	5175.200	99.15	-2.38	--	--	AV	360.00	100	Vertical	N/A
4	7725.938	50.01	-2.47	74.0	23.99	Peak	344.00	100	Vertical	Pass
4**	7725.938	39.96	-2.47	54.0	14.04	AV	344.00	100	Vertical	Pass
5	12325.363	53.63	1.42	74.0	20.37	Peak	0.00	100	Vertical	Pass
5**	12325.363	43.59	1.42	54.0	10.41	AV	0.00	100	Vertical	Pass
6	15798.674	55.96	2.29	74.0	18.04	Peak	218.00	200	Vertical	Pass
6**	15798.674	46.12	2.29	54.0	7.88	AV	218.00	200	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	1039.500	53.17	-17.71	74.0	20.83	Peak	302.00	150	Horizontal	Pass
1**	1039.500	50.88	-17.71	54.0	3.12	AV	302.00	150	Horizontal	Pass
2	4394.800	50.33	-3.89	74.0	23.67	Peak	8.00	200	Horizontal	Pass
2**	4394.800	41.60	-3.89	54.0	12.40	AV	8.00	200	Horizontal	Pass
3	5214.200	105.41	-2.40	--	--	Peak	301.00	200	Horizontal	N/A
3**	5214.200	97.91	-2.40	--	--	AV	301.00	200	Horizontal	N/A
4	7447.063	50.08	-3.19	74.0	23.92	Peak	189.00	400	Horizontal	Pass
4**	7447.063	40.90	-3.19	54.0	13.10	AV	189.00	400	Horizontal	Pass
5	12313.000	53.53	1.39	74.0	20.47	Peak	189.00	100	Horizontal	Pass
5**	12313.000	43.38	1.39	54.0	10.62	AV	189.00	100	Horizontal	Pass
6	15837.000	55.51	1.45	74.0	18.49	Peak	18.00	300	Horizontal	Pass
6**	15837.000	46.23	1.45	54.0	7.77	AV	18.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.700	46.44	-17.10	74.0	27.56	Peak	290.00	200	Vertical	Pass
1**	1624.700	33.41	-17.10	54.0	20.59	AV	290.00	200	Vertical	Pass
2	4393.000	50.26	-3.64	74.0	23.74	Peak	360.00	200	Vertical	Pass
2**	4393.000	41.17	-3.64	54.0	12.83	AV	360.00	200	Vertical	Pass
3	5225.400	105.49	-2.55	--	--	Peak	360.00	200	Vertical	N/A
3**	5225.400	98.38	-2.55	--	--	AV	360.00	200	Vertical	N/A
4	7333.212	49.72	-3.14	74.0	24.28	Peak	133.00	300	Vertical	Pass
4**	7333.212	41.02	-3.14	54.0	12.98	AV	133.00	300	Vertical	Pass
5	12605.963	53.47	1.91	74.0	20.53	Peak	133.00	150	Vertical	Pass
5**	12605.963	43.70	1.91	54.0	10.30	AV	133.00	150	Vertical	Pass
6	16080.075	56.93	1.64	74.0	17.07	Peak	38.00	100	Vertical	Pass
6**	16080.075	46.51	1.64	54.0	7.49	AV	38.00	100	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	1039.600	53.23	-17.71	74.0	20.77	Peak	299.00	150	Horizontal	Pass
1**	1039.600	50.85	-17.71	54.0	3.15	AV	299.00	150	Horizontal	Pass
2	3984.200	51.39	-5.14	74.0	22.61	Peak	265.00	200	Horizontal	Pass
2**	3984.200	40.53	-5.14	54.0	13.47	AV	265.00	200	Horizontal	Pass
3	5244.200	105.29	-2.38	--	--	Peak	291.00	150	Horizontal	N/A
3**	5244.200	98.48	-2.38	--	--	AV	291.00	150	Horizontal	N/A
4	7437.287	50.14	-3.42	74.0	23.86	Peak	232.00	300	Horizontal	Pass
4**	7437.287	40.41	-3.42	54.0	13.59	AV	232.00	300	Horizontal	Pass
5	12301.213	53.57	1.45	74.0	20.43	Peak	106.00	150	Horizontal	Pass
5**	12301.213	44.04	1.45	54.0	9.96	AV	106.00	150	Horizontal	Pass
6	15794.737	55.92	2.16	74.0	18.08	Peak	0.00	300	Horizontal	Pass
6**	15794.737	46.83	2.16	54.0	7.17	AV	0.00	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	1607.800	46.63	-17.49	74.0	27.37	Peak	301.00	400	Vertical	Pass
1**	1607.800	37.07	-17.49	54.0	16.93	AV	301.00	400	Vertical	Pass
2	4384.000	50.65	-3.64	74.0	23.35	Peak	23.00	300	Vertical	Pass
2**	4384.000	41.17	-3.64	54.0	12.83	AV	23.00	300	Vertical	Pass
3	5236.000	105.63	-2.52	--	--	Peak	360.00	200	Vertical	N/A
3**	5236.000	98.27	-2.52	--	--	AV	360.00	200	Vertical	N/A
4	7712.138	49.79	-2.25	74.0	24.21	Peak	196.00	300	Vertical	Pass
4**	7712.138	39.87	-2.25	54.0	14.13	AV	196.00	300	Vertical	Pass
5	11505.125	52.77	-0.08	74.0	21.23	Peak	38.00	200	Vertical	Pass
5**	11505.125	43.20	-0.08	54.0	10.80	AV	38.00	200	Vertical	Pass
6	15795.787	56.28	2.19	74.0	17.72	Peak	95.00	300	Vertical	Pass
6**	15795.787	46.57	2.19	54.0	7.43	AV	95.00	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	1039.800	52.64	-17.70	74.0	21.36	Peak	295.00	150	Horizontal	Pass
1**	1039.800	50.77	-17.70	54.0	3.23	AV	295.00	150	Horizontal	Pass
2	1613.200	50.99	-17.45	74.0	23.01	Peak	13.00	100	Horizontal	Pass
2**	1613.200	40.46	-17.45	54.0	13.54	AV	13.00	100	Horizontal	Pass
3	4385.000	50.94	-3.47	74.0	23.06	Peak	347.00	300	Horizontal	Pass
3**	4385.000	40.68	-3.47	54.0	13.32	AV	347.00	300	Horizontal	Pass
4	5204.000	102.40	-2.24	--	--	Peak	302.00	200	Horizontal	N/A
4**	5204.000	95.23	-2.24	--	--	AV	302.00	200	Horizontal	N/A
5	7340.687	49.21	-3.04	74.0	24.79	Peak	33.00	300	Horizontal	Pass
5**	7340.687	41.18	-3.04	54.0	12.82	AV	33.00	300	Horizontal	Pass
6	16090.575	55.95	1.42	74.0	18.05	Peak	340.00	100	Horizontal	Pass
6**	16090.575	45.96	1.42	54.0	8.04	AV	340.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	46.77	-17.25	74.0	27.23	Peak	355.00	100	Vertical	Pass
1**	1439.900	35.84	-17.25	54.0	18.16	AV	355.00	100	Vertical	Pass
2	4203.600	50.61	-4.57	74.0	23.39	Peak	110.00	200	Vertical	Pass
2**	4203.600	39.82	-4.57	54.0	14.18	AV	110.00	200	Vertical	Pass
3	5174.400	103.26	-2.30	--	--	Peak	360.00	200	Vertical	N/A
3**	5174.400	95.39	-2.30	--	--	AV	360.00	200	Vertical	N/A
4	7440.163	50.10	-3.51	74.0	23.90	Peak	80.00	400	Vertical	Pass
4**	7440.163	41.40	-3.51	54.0	12.60	AV	80.00	400	Vertical	Pass
5	12434.037	53.34	1.67	74.0	20.66	Peak	39.00	200	Vertical	Pass
5**	12434.037	43.88	1.67	54.0	10.12	AV	39.00	200	Vertical	Pass
6	15797.888	55.86	2.26	74.0	18.14	Peak	111.00	200	Vertical	Pass
6**	15797.888	45.87	2.26	54.0	8.13	AV	111.00	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	1039.700	53.98	-17.71	74.0	20.02	Peak	304.00	150	Horizontal	Pass
1**	1039.700	50.92	-17.71	54.0	3.08	AV	304.00	150	Horizontal	Pass
2	4391.600	50.89	-3.45	74.0	23.11	Peak	146.00	200	Horizontal	Pass
2**	4391.600	41.08	-3.45	54.0	12.92	AV	146.00	200	Horizontal	Pass
3	5244.600	102.65	-2.38	--	--	Peak	297.00	200	Horizontal	N/A
3**	5244.600	94.98	-2.38	--	--	AV	297.00	200	Horizontal	N/A
4	7342.125	50.15	-3.19	74.0	23.85	Peak	0.00	100	Horizontal	Pass
4**	7342.125	41.86	-3.19	54.0	12.14	AV	0.00	100	Horizontal	Pass
5	11422.900	52.93	-0.09	74.0	21.07	Peak	46.00	100	Horizontal	Pass
5**	11422.900	41.62	-0.09	54.0	12.38	AV	46.00	100	Horizontal	Pass
6	16037.287	55.39	0.78	74.0	18.61	Peak	313.00	200	Horizontal	Pass
6**	16037.287	46.18	0.78	54.0	7.82	AV	313.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	46.30	-17.23	74.0	27.70	Peak	0.00	200	Vertical	Pass
1**	1440.100	35.31	-17.23	54.0	18.69	AV	0.00	200	Vertical	Pass
2	4377.800	50.18	-3.48	74.0	23.82	Peak	70.00	100	Vertical	Pass
2**	4377.800	41.34	-3.48	54.0	12.66	AV	70.00	100	Vertical	Pass
3	5243.400	102.68	-2.39	--	--	Peak	360.00	200	Vertical	N/A
3**	5243.400	94.82	-2.39	--	--	AV	360.00	200	Vertical	N/A
4	7318.263	50.17	-3.04	74.0	23.83	Peak	151.00	400	Vertical	Pass
4**	7318.263	41.20	-3.04	54.0	12.80	AV	151.00	400	Vertical	Pass
5	12279.937	53.88	1.80	74.0	20.12	Peak	324.00	200	Vertical	Pass
5**	12279.937	44.91	1.80	54.0	9.09	AV	324.00	200	Vertical	Pass
6	15669.262	55.96	1.41	74.0	18.04	Peak	334.00	200	Vertical	Pass
6**	15669.262	46.88	1.41	54.0	7.12	AV	334.00	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	1039.600	53.70	-17.71	74.0	20.30	Peak	301.00	150	Horizontal	Pass
1**	1039.600	50.85	-17.71	54.0	3.15	AV	301.00	150	Horizontal	Pass
2	4394.400	50.02	-3.84	74.0	23.98	Peak	145.00	200	Horizontal	Pass
2**	4394.400	40.89	-3.84	54.0	13.11	AV	145.00	200	Horizontal	Pass
3	5228.000	100.75	-2.78	--	--	Peak	298.00	150	Horizontal	N/A
3**	5228.000	93.13	-2.78	--	--	AV	298.00	150	Horizontal	N/A
4	7382.375	50.32	-3.36	74.0	23.68	Peak	195.00	300	Horizontal	Pass
4**	7382.375	41.13	-3.36	54.0	12.87	AV	195.00	300	Horizontal	Pass
5	12236.237	53.36	1.14	74.0	20.64	Peak	360.00	150	Horizontal	Pass
5**	12236.237	43.09	1.14	54.0	10.91	AV	360.00	150	Horizontal	Pass
6	15676.088	56.13	1.55	74.0	17.87	Peak	142.00	100	Horizontal	Pass
6**	15676.088	46.11	1.55	54.0	7.89	AV	142.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.700	48.34	-17.17	74.0	25.66	Peak	308.00	300	Vertical	Pass
1**	1617.700	34.60	-17.17	54.0	19.40	AV	308.00	300	Vertical	Pass
2	4391.800	50.49	-3.48	74.0	23.51	Peak	349.00	300	Vertical	Pass
2**	4391.800	41.75	-3.48	54.0	12.25	AV	349.00	300	Vertical	Pass
3	5237.000	101.32	-2.52	--	--	Peak	360.00	200	Vertical	N/A
3**	5237.000	93.54	-2.52	--	--	AV	360.00	200	Vertical	N/A
4	7383.813	49.49	-3.55	74.0	24.51	Peak	285.00	400	Vertical	Pass
4**	7383.813	39.73	-3.55	54.0	14.27	AV	285.00	400	Vertical	Pass
5	12627.526	53.35	1.51	74.0	20.65	Peak	247.00	150	Vertical	Pass
5**	12627.526	43.33	1.51	54.0	10.67	AV	247.00	150	Vertical	Pass
6	16045.688	55.79	0.74	74.0	18.21	Peak	360.00	200	Vertical	Pass
6**	16045.688	46.87	0.74	54.0	7.13	AV	360.00	200	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	1039.400	52.86	-17.72	74.0	21.14	Peak	294.00	150	Horizontal	Pass
1**	1039.400	50.97	-17.72	54.0	3.03	AV	294.00	150	Horizontal	Pass
2	4385.200	50.45	-3.43	74.0	23.55	Peak	20.00	400	Horizontal	Pass
2**	4385.200	41.84	-3.43	54.0	12.16	AV	20.00	400	Horizontal	Pass
3	5740.800	108.32	-2.17	--	--	Peak	359.00	150	Horizontal	N/A
3**	5740.800	100.72	-2.17	--	--	AV	359.00	150	Horizontal	N/A
4	7345.000	49.54	-3.49	74.0	24.46	Peak	174.00	100	Horizontal	Pass
4**	7345.000	41.01	-3.49	54.0	12.99	AV	174.00	100	Horizontal	Pass
5	11499.375	53.03	0.05	74.0	20.97	Peak	48.00	100	Horizontal	Pass
5**	11499.375	43.68	0.05	54.0	10.32	AV	48.00	100	Horizontal	Pass
6	16196.100	55.58	1.59	74.0	18.42	Peak	20.00	100	Horizontal	Pass
6**	16196.100	46.04	1.59	54.0	7.96	AV	20.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.200	47.03	-17.34	74.0	26.97	Peak	27.00	200	Vertical	Pass
1**	1616.200	36.20	-17.34	54.0	17.80	AV	27.00	200	Vertical	Pass
2	4388.200	50.02	-3.41	74.0	23.98	Peak	153.00	200	Vertical	Pass
2**	4388.200	41.69	-3.41	54.0	12.31	AV	153.00	200	Vertical	Pass
3	5749.800	108.34	-2.31	--	--	Peak	360.00	200	Vertical	N/A
3**	5749.800	100.56	-2.31	--	--	AV	360.00	200	Vertical	N/A
4	7629.338	49.80	-2.94	74.0	24.20	Peak	204.00	300	Vertical	Pass
4**	7629.338	40.39	-2.94	54.0	13.61	AV	204.00	300	Vertical	Pass
5	12315.300	53.36	1.40	74.0	20.64	Peak	73.00	150	Vertical	Pass
5**	12315.300	43.84	1.40	54.0	10.16	AV	73.00	150	Vertical	Pass
6	15760.088	55.82	0.88	74.0	18.18	Peak	162.00	300	Vertical	Pass
6**	15760.088	45.51	0.88	54.0	8.49	AV	162.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.36	-17.71	74.0	20.64	Peak	303.00	150	Horizontal	Pass
1**	1039.600	50.77	-17.71	54.0	3.23	AV	303.00	150	Horizontal	Pass
2	4390.000	50.39	-3.32	74.0	23.61	Peak	71.00	400	Horizontal	Pass
2**	4390.000	41.08	-3.32	54.0	12.92	AV	71.00	400	Horizontal	Pass
3	5780.600	107.42	-1.66	--	--	Peak	360.00	100	Horizontal	N/A
3**	5780.600	100.66	-1.66	--	--	AV	360.00	100	Horizontal	N/A
4	7293.250	49.56	-3.78	74.0	24.44	Peak	95.00	400	Horizontal	Pass
4**	7293.250	39.03	-3.78	54.0	14.97	AV	95.00	400	Horizontal	Pass
5	12350.375	53.29	1.22	74.0	20.71	Peak	295.00	200	Horizontal	Pass
5**	12350.375	44.20	1.22	54.0	9.80	AV	295.00	200	Horizontal	Pass
6	16136.250	56.00	1.06	74.0	18.00	Peak	201.00	400	Horizontal	Pass
6**	16136.250	46.12	1.06	54.0	7.88	AV	201.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.700	47.15	-17.14	74.0	26.85	Peak	19.00	300	Vertical	Pass
1**	1508.700	38.23	-17.14	54.0	15.77	AV	19.00	300	Vertical	Pass
2	4378.600	51.02	-3.40	74.0	22.98	Peak	141.00	300	Vertical	Pass
2**	4378.600	42.28	-3.40	54.0	11.72	AV	141.00	300	Vertical	Pass
3	5778.600	107.23	-2.05	--	--	Peak	360.00	100	Vertical	N/A
3**	5778.600	99.77	-2.05	--	--	AV	360.00	100	Vertical	N/A
4	7336.950	49.70	-3.01	74.0	24.30	Peak	0.00	200	Vertical	Pass
4**	7336.950	41.55	-3.01	54.0	12.45	AV	0.00	200	Vertical	Pass
5	12526.037	52.76	1.36	74.0	21.24	Peak	216.00	200	Vertical	Pass
5**	12526.037	43.26	1.36	54.0	10.74	AV	216.00	200	Vertical	Pass
6	15854.325	55.57	1.21	74.0	18.43	Peak	115.00	400	Vertical	Pass
6**	15854.325	46.25	1.21	54.0	7.75	AV	115.00	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	1039.600	53.43	-17.71	74.0	20.57	Peak	308.00	150	Horizontal	Pass
1**	1039.600	50.92	-17.71	54.0	3.08	AV	308.00	150	Horizontal	Pass
2	3994.800	50.76	-4.28	74.0	23.24	Peak	262.00	400	Horizontal	Pass
2**	3994.800	42.19	-4.28	54.0	11.81	AV	262.00	400	Horizontal	Pass
3	5819.600	106.10	-2.52	--	--	Peak	360.00	100	Horizontal	N/A
3**	5819.600	99.01	-2.52	--	--	AV	360.00	100	Horizontal	N/A
4	7285.487	49.62	-3.48	74.0	24.38	Peak	329.00	100	Horizontal	Pass
4**	7285.487	40.22	-3.48	54.0	13.78	AV	329.00	100	Horizontal	Pass
5	12296.901	53.24	1.54	74.0	20.76	Peak	22.00	200	Horizontal	Pass
5**	12296.901	43.21	1.54	54.0	10.79	AV	22.00	200	Horizontal	Pass
6	15854.850	55.77	1.20	74.0	18.23	Peak	340.00	300	Horizontal	Pass
6**	15854.850	47.29	1.20	54.0	6.71	AV	340.00	300	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	1485.300	46.67	-16.69	74.0	27.33	Peak	292.00	200	Vertical	Pass
1**	1485.300	40.69	-16.69	54.0	13.31	AV	292.00	200	Vertical	Pass
2	4244.600	50.75	-4.45	74.0	23.25	Peak	184.00	300	Vertical	Pass
2**	4244.600	40.08	-4.45	54.0	13.92	AV	184.00	300	Vertical	Pass
3	5828.000	106.25	-1.89	--	--	Peak	360.00	100	Vertical	N/A
3**	5828.000	98.68	-1.89	--	--	AV	360.00	100	Vertical	N/A
4	7332.925	49.89	-3.17	74.0	24.11	Peak	141.00	300	Vertical	Pass
4**	7332.925	41.45	-3.17	54.0	12.55	AV	141.00	300	Vertical	Pass
5	12646.787	53.15	1.04	74.0	20.85	Peak	217.00	100	Vertical	Pass
5**	12646.787	43.52	1.04	54.0	10.48	AV	217.00	100	Vertical	Pass
6	15795.262	56.47	2.18	74.0	17.53	Peak	220.00	400	Vertical	Pass
6**	15795.262	47.24	2.18	54.0	6.76	AV	220.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.400	53.43	-17.72	74.0	20.57	Peak	308.00	150	Horizontal	Pass
1**	1039.400	50.79	-17.72	54.0	3.21	AV	308.00	150	Horizontal	Pass
2	1548.600	51.27	-17.36	74.0	22.73	Peak	43.00	300	Horizontal	Pass
2**	1548.600	45.23	-17.36	54.0	8.77	AV	43.00	300	Horizontal	Pass
3	5752.400	108.17	-1.92	--	--	Peak	360.00	100	Horizontal	N/A
3**	5752.400	100.35	-1.92	--	--	AV	360.00	100	Horizontal	N/A
4	7383.237	49.83	-3.47	74.0	24.17	Peak	329.00	100	Horizontal	Pass
4**	7383.237	40.30	-3.47	54.0	13.70	AV	329.00	100	Horizontal	Pass
5	12094.788	53.44	0.51	74.0	20.56	Peak	275.00	200	Horizontal	Pass
5**	12094.788	42.38	0.51	54.0	11.62	AV	275.00	200	Horizontal	Pass
6	15791.325	55.74	2.05	74.0	18.26	Peak	148.00	150	Horizontal	Pass
6**	15791.325	46.00	2.05	54.0	8.00	AV	148.00	150	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	1441.100	46.54	-17.12	74.0	27.46	Peak	315.00	300	Vertical	Pass
1**	1441.100	32.18	-17.12	54.0	21.82	AV	315.00	300	Vertical	Pass
2	4390.800	50.26	-3.35	74.0	23.74	Peak	233.00	200	Vertical	Pass
2**	4390.800	41.76	-3.35	54.0	12.24	AV	233.00	200	Vertical	Pass
3	5739.800	108.91	-2.09	--	--	Peak	360.00	150	Vertical	N/A
3**	5739.800	101.22	-2.09	--	--	AV	360.00	150	Vertical	N/A
4	7276.000	49.64	-3.02	74.0	24.36	Peak	257.00	400	Vertical	Pass
4**	7276.000	40.17	-3.02	54.0	13.83	AV	257.00	400	Vertical	Pass
5	12373.375	53.27	1.32	74.0	20.73	Peak	189.00	150	Vertical	Pass
5**	12373.375	43.20	1.32	54.0	10.80	AV	189.00	150	Vertical	Pass
6	15626.738	56.18	1.71	74.0	17.82	Peak	175.00	200	Vertical	Pass
6**	15626.738	46.79	1.71	54.0	7.21	AV	175.00	200	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	1039.700	52.45	-17.71	74.0	21.55	Peak	293.00	150	Horizontal	Pass
1**	1039.700	50.90	-17.71	54.0	3.10	AV	293.00	150	Horizontal	Pass
2	4380.400	50.00	-3.39	74.0	24.00	Peak	44.00	300	Horizontal	Pass
2**	4380.400	42.59	-3.39	54.0	11.41	AV	44.00	300	Horizontal	Pass
3	5780.600	107.59	-1.66	--	--	Peak	360.00	150	Horizontal	N/A
3**	5780.600	100.48	-1.66	--	--	AV	360.00	150	Horizontal	N/A
4	7725.650	49.70	-2.46	74.0	24.30	Peak	326.00	400	Horizontal	Pass
4**	7725.650	40.82	-2.46	54.0	13.18	AV	326.00	400	Horizontal	Pass
5	12428.862	53.19	1.53	74.0	20.81	Peak	15.00	150	Horizontal	Pass
5**	12428.862	43.96	1.53	54.0	10.04	AV	15.00	150	Horizontal	Pass
6	15652.200	55.55	1.18	74.0	18.45	Peak	79.00	200	Horizontal	Pass
6**	15652.200	45.73	1.18	54.0	8.27	AV	79.00	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	1485.100	48.96	-16.72	74.0	25.04	Peak	312.00	300	Vertical	Pass
1**	1485.100	41.67	-16.72	54.0	12.33	AV	312.00	300	Vertical	Pass
2	4382.200	50.80	-3.64	74.0	23.20	Peak	0.00	100	Vertical	Pass
2**	4382.200	42.66	-3.64	54.0	11.34	AV	0.00	100	Vertical	Pass
3	5778.200	107.83	-2.13	--	--	Peak	357.00	200	Vertical	N/A
3**	5778.200	99.87	-2.13	--	--	AV	357.00	200	Vertical	N/A
4	7361.962	50.27	-3.82	74.0	23.73	Peak	0.00	300	Vertical	Pass
4**	7361.962	40.53	-3.82	54.0	13.47	AV	0.00	300	Vertical	Pass
5	12521.437	52.88	1.45	74.0	21.12	Peak	222.00	150	Vertical	Pass
5**	12521.437	43.98	1.45	54.0	10.02	AV	222.00	150	Vertical	Pass
6	15397.313	55.61	0.71	74.0	18.39	Peak	105.00	100	Vertical	Pass
6**	15397.313	45.26	0.71	54.0	8.74	AV	105.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.500	53.66	-17.71	74.0	20.34	Peak	296.00	150	Horizontal	Pass
1**	1039.500	51.00	-17.71	54.0	3.00	AV	296.00	150	Horizontal	Pass
2	4379.800	51.01	-3.28	74.0	22.99	Peak	152.00	300	Horizontal	Pass
2**	4379.800	42.11	-3.28	54.0	11.89	AV	152.00	300	Horizontal	Pass
3	5831.800	106.72	-1.74	--	--	Peak	360.00	150	Horizontal	N/A
3**	5831.800	99.38	-1.74	--	--	AV	360.00	150	Horizontal	N/A
4	7340.975	50.42	-3.07	74.0	23.58	Peak	136.00	400	Horizontal	Pass
4**	7340.975	41.32	-3.07	54.0	12.68	AV	136.00	400	Horizontal	Pass
5	12341.463	53.14	1.29	74.0	20.86	Peak	219.00	100	Horizontal	Pass
5**	12341.463	43.80	1.29	54.0	10.20	AV	219.00	100	Horizontal	Pass
6	15615.188	55.53	1.49	74.0	18.47	Peak	30.00	100	Horizontal	Pass
6**	15615.188	46.62	1.49	54.0	7.38	AV	30.00	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	1623.100	48.86	-16.99	74.0	25.14	Peak	304.00	400	Vertical	Pass
1**	1623.100	39.43	-16.99	54.0	14.57	AV	304.00	400	Vertical	Pass
2	4377.800	50.32	-3.48	74.0	23.68	Peak	255.00	400	Vertical	Pass
2**	4377.800	42.11	-3.48	54.0	11.89	AV	255.00	400	Vertical	Pass
3	5832.200	106.84	-1.74	--	--	Peak	360.00	100	Vertical	N/A
3**	5832.200	99.59	-1.74	--	--	AV	360.00	100	Vertical	N/A
4	7317.687	50.99	-3.15	74.0	23.01	Peak	108.00	100	Vertical	Pass
4**	7317.687	40.57	-3.15	54.0	13.43	AV	108.00	100	Vertical	Pass
5	10932.138	52.91	0.04	74.0	21.09	Peak	318.00	150	Vertical	Pass
5**	10932.138	43.37	0.04	54.0	10.63	AV	318.00	150	Vertical	Pass
6	15848.549	55.38	1.34	74.0	18.62	Peak	78.00	200	Vertical	Pass
6**	15848.549	46.21	1.34	54.0	7.79	AV	78.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.30	-17.71	74.0	20.70	Peak	302.00	150	Horizontal	Pass
1**	1039.600	50.90	-17.71	54.0	3.10	AV	302.00	150	Horizontal	Pass
2	1599.100	51.16	-17.42	74.0	22.84	Peak	43.00	300	Horizontal	Pass
2**	1599.100	41.39	-17.42	54.0	12.61	AV	43.00	300	Horizontal	Pass
3	5757.800	105.37	-1.69	--	--	Peak	360.00	150	Horizontal	N/A
3**	5757.800	97.97	-1.69	--	--	AV	360.00	150	Horizontal	N/A
4	7710.413	49.31	-2.31	74.0	24.69	Peak	260.00	200	Horizontal	Pass
4**	7710.413	39.82	-2.31	54.0	14.18	AV	260.00	200	Horizontal	Pass
5	12285.400	53.45	1.77	74.0	20.55	Peak	109.00	100	Horizontal	Pass
5**	12285.400	44.03	1.77	54.0	9.97	AV	109.00	100	Horizontal	Pass
6	15495.487	55.46	1.06	74.0	18.54	Peak	149.00	100	Horizontal	Pass
6**	15495.487	46.90	1.06	54.0	7.10	AV	149.00	100	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	1485.100	47.09	-16.72	74.0	26.91	Peak	337.00	300	Vertical	Pass
1**	1485.100	41.44	-16.72	54.0	12.56	AV	337.00	300	Vertical	Pass
2	4381.200	50.19	-3.52	74.0	23.81	Peak	204.00	300	Vertical	Pass
2**	4381.200	41.41	-3.52	54.0	12.59	AV	204.00	300	Vertical	Pass
3	5751.000	104.85	-2.21	--	--	Peak	360.00	200	Vertical	N/A
3**	5751.000	97.51	-2.21	--	--	AV	360.00	200	Vertical	N/A
4	7329.763	49.78	-3.51	74.0	24.22	Peak	0.00	200	Vertical	Pass
4**	7329.763	40.18	-3.51	54.0	13.82	AV	0.00	200	Vertical	Pass
5	12538.687	53.27	1.28	74.0	20.73	Peak	326.00	100	Vertical	Pass
5**	12538.687	43.35	1.28	54.0	10.65	AV	326.00	100	Vertical	Pass
6	15862.725	55.68	0.87	74.0	18.32	Peak	35.00	400	Vertical	Pass
6**	15862.725	46.27	0.87	54.0	7.73	AV	35.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.36	-17.71	74.0	20.64	Peak	308.00	150	Horizontal	Pass
1**	1039.600	50.89	-17.71	54.0	3.11	AV	308.00	150	Horizontal	Pass
2	1625.600	51.69	-17.14	74.0	22.31	Peak	20.00	200	Horizontal	Pass
2**	1625.600	40.35	-17.14	54.0	13.65	AV	20.00	200	Horizontal	Pass
3	5783.400	104.91	-1.48	--	--	Peak	360.00	200	Horizontal	N/A
3**	5783.400	97.55	-1.48	--	--	AV	360.00	200	Horizontal	N/A
4	7365.700	49.95	-3.41	74.0	24.05	Peak	334.00	400	Horizontal	Pass
4**	7365.700	40.60	-3.41	54.0	13.40	AV	334.00	400	Horizontal	Pass
5	11931.201	52.98	1.59	74.0	21.02	Peak	1.00	200	Horizontal	Pass
5**	11931.201	43.43	1.59	54.0	10.57	AV	1.00	200	Horizontal	Pass
6	15388.912	55.93	0.51	74.0	18.07	Peak	191.00	400	Horizontal	Pass
6**	15388.912	45.78	0.51	54.0	8.22	AV	191.00	400	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	1623.300	46.78	-17.01	74.0	27.22	Peak	17.00	400	Vertical	Pass
1**	1623.300	40.38	-17.01	54.0	13.62	AV	17.00	400	Vertical	Pass
2	4378.600	49.97	-3.40	74.0	24.03	Peak	360.00	400	Vertical	Pass
2**	4378.600	42.16	-3.40	54.0	11.84	AV	360.00	400	Vertical	Pass
3	5781.600	105.14	-1.45	--	--	Peak	360.00	100	Vertical	N/A
3**	5781.600	97.34	-1.45	--	--	AV	360.00	100	Vertical	N/A
4	7332.638	49.87	-3.21	74.0	24.13	Peak	262.00	300	Vertical	Pass
4**	7332.638	41.25	-3.21	54.0	12.75	AV	262.00	300	Vertical	Pass
5	12607.688	52.84	1.90	74.0	21.16	Peak	344.00	100	Vertical	Pass
5**	12607.688	43.82	1.90	54.0	10.18	AV	344.00	100	Vertical	Pass
6	15859.313	55.99	0.96	74.0	18.01	Peak	284.00	300	Vertical	Pass
6**	15859.313	46.02	0.96	54.0	7.98	AV	284.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.500	52.97	-17.71	74.0	21.03	Peak	310.00	150	Horizontal	Pass
1**	1039.500	50.58	-17.71	54.0	3.42	AV	310.00	150	Horizontal	Pass
2	1585.000	50.93	-16.86	74.0	23.07	Peak	53.00	400	Horizontal	Pass
2**	1585.000	36.16	-16.86	54.0	17.84	AV	53.00	400	Horizontal	Pass
3	5740.400	108.86	-2.14	--	--	Peak	360.00	100	Horizontal	N/A
3**	5740.400	101.88	-2.14	--	--	AV	360.00	100	Horizontal	N/A
4	7328.037	50.49	-3.47	74.0	23.51	Peak	0.00	200	Horizontal	Pass
4**	7328.037	40.64	-3.47	54.0	13.36	AV	0.00	200	Horizontal	Pass
5	12520.863	53.58	1.46	74.0	20.42	Peak	336.00	150	Horizontal	Pass
5**	12520.863	43.97	1.46	54.0	10.03	AV	336.00	150	Horizontal	Pass
6	15790.012	55.81	2.01	74.0	18.19	Peak	199.00	400	Horizontal	Pass
6**	15790.012	46.74	2.01	54.0	7.26	AV	199.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1436.500	47.01	-17.28	74.0	26.99	Peak	360.00	200	Vertical	Pass
1**	1436.500	34.90	-17.28	54.0	19.10	AV	360.00	200	Vertical	Pass
2	4378.600	50.47	-3.40	74.0	23.53	Peak	235.00	400	Vertical	Pass
2**	4378.600	42.04	-3.40	54.0	11.96	AV	235.00	400	Vertical	Pass
3	5749.000	108.77	-2.26	--	--	Peak	360.00	100	Vertical	N/A
3**	5749.000	101.54	-2.26	--	--	AV	360.00	100	Vertical	N/A
4	7337.812	49.33	-2.88	74.0	24.67	Peak	292.00	200	Vertical	Pass
4**	7337.812	41.00	-2.88	54.0	13.00	AV	292.00	200	Vertical	Pass
5	11920.850	53.04	1.50	74.0	20.96	Peak	27.00	100	Vertical	Pass
5**	11920.850	43.46	1.50	54.0	10.54	AV	27.00	100	Vertical	Pass
6	15856.162	55.67	1.13	74.0	18.33	Peak	291.00	400	Vertical	Pass
6**	15856.162	46.42	1.13	54.0	7.58	AV	291.00	400	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	1039.700	53.60	-17.71	74.0	20.40	Peak	304.00	150	Horizontal	Pass
1**	1039.700	50.76	-17.71	54.0	3.24	AV	304.00	150	Horizontal	Pass
2	1610.700	51.52	-17.08	74.0	22.48	Peak	52.00	100	Horizontal	Pass
2**	1610.700	37.80	-17.08	54.0	16.20	AV	52.00	100	Horizontal	Pass
3	5779.800	108.14	-1.82	--	--	Peak	360.00	150	Horizontal	N/A
3**	5779.800	100.70	-1.82	--	--	AV	360.00	150	Horizontal	N/A
4	7470.063	49.67	-3.54	74.0	24.33	Peak	51.00	400	Horizontal	Pass
4**	7470.063	40.06	-3.54	54.0	13.94	AV	51.00	400	Horizontal	Pass
5	12325.075	53.33	1.42	74.0	20.67	Peak	3.00	100	Horizontal	Pass
5**	12325.075	44.85	1.42	54.0	9.15	AV	3.00	100	Horizontal	Pass
6	16164.338	56.14	1.02	74.0	17.86	Peak	360.00	200	Horizontal	Pass
6**	16164.338	46.10	1.02	54.0	7.90	AV	360.00	200	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	1489.500	46.21	-16.74	74.0	27.79	Peak	21.00	200	Vertical	Pass
1**	1489.500	33.22	-16.74	54.0	20.78	AV	21.00	200	Vertical	Pass
2	4380.600	50.19	-3.42	74.0	23.81	Peak	112.00	300	Vertical	Pass
2**	4380.600	41.64	-3.42	54.0	12.36	AV	112.00	300	Vertical	Pass
3	5782.400	108.16	-1.35	--	--	Peak	360.00	200	Vertical	N/A
3**	5782.400	99.70	-1.35	--	--	AV	360.00	200	Vertical	N/A
4	7273.987	49.73	-2.84	74.0	24.27	Peak	223.00	400	Vertical	Pass
4**	7273.987	40.08	-2.84	54.0	13.92	AV	223.00	400	Vertical	Pass
5	12105.713	53.13	0.60	74.0	20.87	Peak	291.00	100	Vertical	Pass
5**	12105.713	42.89	0.60	54.0	11.11	AV	291.00	100	Vertical	Pass
6	15619.387	55.53	1.61	74.0	18.47	Peak	146.00	300	Vertical	Pass
6**	15619.387	46.26	1.61	54.0	7.74	AV	146.00	300	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	1039.700	53.48	-17.71	74.0	20.52	Peak	296.00	150	Horizontal	Pass
1**	1039.700	50.86	-17.71	54.0	3.14	AV	296.00	150	Horizontal	Pass
2	1500.400	51.40	-16.86	74.0	22.60	Peak	303.00	100	Horizontal	Pass
2**	1500.400	37.91	-16.86	54.0	16.09	AV	303.00	100	Horizontal	Pass
3	5829.200	106.99	-1.79	--	--	Peak	360.00	150	Horizontal	N/A
3**	5829.200	99.48	-1.79	--	--	AV	360.00	150	Horizontal	N/A
4	7334.362	50.07	-3.19	74.0	23.93	Peak	0.00	300	Horizontal	Pass
4**	7334.362	40.96	-3.19	54.0	13.04	AV	0.00	300	Horizontal	Pass
5	11945.000	53.78	1.54	74.0	20.22	Peak	162.00	200	Horizontal	Pass
5**	11945.000	43.61	1.54	54.0	10.39	AV	162.00	200	Horizontal	Pass
6	15803.924	56.20	2.28	74.0	17.80	Peak	113.00	200	Horizontal	Pass
6**	15803.924	48.01	2.28	54.0	5.99	AV	113.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1620.800	47.45	-17.12	74.0	26.55	Peak	281.00	400	Vertical	Pass
1**	1620.800	38.28	-17.12	54.0	15.72	AV	281.00	400	Vertical	Pass
2	4377.400	50.13	-3.58	74.0	23.87	Peak	339.00	100	Vertical	Pass
2**	4377.400	40.99	-3.58	54.0	13.01	AV	339.00	100	Vertical	Pass
3	5819.600	107.09	-2.52	--	--	Peak	360.00	200	Vertical	N/A
3**	5819.600	99.90	-2.52	--	--	AV	360.00	200	Vertical	N/A
4	7384.100	49.90	-3.59	74.0	24.10	Peak	127.00	200	Vertical	Pass
4**	7384.100	39.95	-3.59	54.0	14.05	AV	127.00	200	Vertical	Pass
5	12282.526	52.95	1.79	74.0	21.05	Peak	267.00	200	Vertical	Pass
5**	12282.526	44.22	1.79	54.0	9.78	AV	267.00	200	Vertical	Pass
6	16074.563	55.38	1.52	74.0	18.62	Peak	175.00	100	Vertical	Pass
6**	16074.563	46.14	1.52	54.0	7.86	AV	175.00	100	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	1039.600	53.29	-17.71	74.0	20.71	Peak	307.00	150	Horizontal	Pass
1**	1039.600	50.94	-17.71	54.0	3.06	AV	307.00	150	Horizontal	Pass
2	1602.000	51.28	-17.42	74.0	22.72	Peak	21.00	200	Horizontal	Pass
2**	1602.000	37.82	-17.42	54.0	16.18	AV	21.00	200	Horizontal	Pass
3	5757.800	105.14	-1.69	--	--	Peak	360.00	200	Horizontal	N/A
3**	5757.800	97.44	-1.69	--	--	AV	360.00	200	Horizontal	N/A
4	7685.975	50.32	-1.99	74.0	23.68	Peak	240.00	400	Horizontal	Pass
4**	7685.975	40.73	-1.99	54.0	13.27	AV	240.00	400	Horizontal	Pass
5	11939.826	53.20	1.69	74.0	20.80	Peak	316.00	200	Horizontal	Pass
5**	11939.826	44.05	1.69	54.0	9.95	AV	316.00	200	Horizontal	Pass
6	16108.162	56.17	0.84	74.0	17.83	Peak	78.00	400	Horizontal	Pass
6**	16108.162	46.15	0.84	54.0	7.85	AV	78.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.500	46.68	-16.67	74.0	27.32	Peak	335.00	200	Vertical	Pass
1**	1485.500	39.03	-16.67	54.0	14.97	AV	335.00	200	Vertical	Pass
2	4385.800	50.59	-3.33	74.0	23.41	Peak	0.00	400	Vertical	Pass
2**	4385.800	41.66	-3.33	54.0	12.34	AV	0.00	400	Vertical	Pass
3	5739.000	105.29	-2.10	--	--	Peak	360.00	200	Vertical	N/A
3**	5739.000	97.13	-2.10	--	--	AV	360.00	200	Vertical	N/A
4	7272.263	49.97	-3.03	74.0	24.03	Peak	0.00	400	Vertical	Pass
4**	7272.263	39.24	-3.03	54.0	14.76	AV	0.00	400	Vertical	Pass
5	12649.950	52.91	1.02	74.0	21.09	Peak	240.00	200	Vertical	Pass
5**	12649.950	43.23	1.02	54.0	10.77	AV	240.00	200	Vertical	Pass
6	16195.575	56.60	1.59	74.0	17.40	Peak	360.00	300	Vertical	Pass
6**	16195.575	46.26	1.59	54.0	7.74	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	52.52	-17.71	74.0	21.48	Peak	298.00	150	Horizontal	Pass
1**	1039.600	50.81	-17.71	54.0	3.19	AV	298.00	150	Horizontal	Pass
2	1613.800	49.47	-17.48	74.0	24.53	Peak	19.00	400	Horizontal	Pass
2**	1613.800	39.90	-17.48	54.0	14.10	AV	19.00	400	Horizontal	Pass
3	3984.800	52.15	-5.14	74.0	21.85	Peak	274.00	400	Horizontal	Pass
3**	3984.800	42.72	-5.14	54.0	11.28	AV	274.00	400	Horizontal	Pass
4	5781.600	104.78	-1.45	--	--	Peak	360.00	200	Horizontal	N/A
4**	5781.600	97.15	-1.45	--	--	AV	360.00	200	Horizontal	N/A
5	12313.862	52.75	1.40	74.0	21.25	Peak	183.00	100	Horizontal	Pass
5**	12313.862	44.17	1.40	54.0	9.83	AV	183.00	100	Horizontal	Pass
6	15805.237	55.83	2.27	74.0	18.17	Peak	29.00	200	Horizontal	Pass
6**	15805.237	46.94	2.27	54.0	7.06	AV	29.00	200	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	1502.500	46.79	-17.05	74.0	27.21	Peak	22.00	100	Vertical	Pass
1**	1502.500	36.30	-17.05	54.0	17.70	AV	22.00	100	Vertical	Pass
2	4377.000	50.01	-3.71	74.0	23.99	Peak	0.00	400	Vertical	Pass
2**	4377.000	41.33	-3.71	54.0	12.67	AV	0.00	400	Vertical	Pass
3	5783.200	104.56	-1.46	--	--	Peak	360.00	150	Vertical	N/A
3**	5783.200	96.91	-1.46	--	--	AV	360.00	150	Vertical	N/A
4	7350.750	49.57	-3.65	74.0	24.43	Peak	132.00	300	Vertical	Pass
4**	7350.750	40.78	-3.65	54.0	13.22	AV	132.00	300	Vertical	Pass
5	12562.263	52.76	1.70	74.0	21.24	Peak	332.00	150	Vertical	Pass
5**	12562.263	43.58	1.70	54.0	10.42	AV	332.00	150	Vertical	Pass
6	16082.437	56.06	1.59	74.0	17.94	Peak	137.00	200	Vertical	Pass
6**	16082.437	46.21	1.59	54.0	7.79	AV	137.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.700	53.52	-17.71	74.0	20.48	Peak	301.00	150	Horizontal	Pass
1**	1039.700	51.99	-17.71	54.0	2.01	AV	301.00	150	Horizontal	Pass
2	1613.700	53.10	-17.47	74.0	20.90	Peak	40.00	100	Horizontal	Pass
2**	1613.700	43.08	-17.47	54.0	10.92	AV	40.00	100	Horizontal	Pass
3	3982.600	50.50	-5.01	74.0	23.50	Peak	264.00	100	Horizontal	Pass
3**	3982.600	41.70	-5.01	54.0	12.30	AV	264.00	100	Horizontal	Pass
4	5757.400	103.05	-1.74	--	--	Peak	357.00	150	Horizontal	N/A
4**	5757.400	95.37	-1.74	--	--	AV	357.00	150	Horizontal	N/A
5	11932.349	53.44	1.62	74.0	20.56	Peak	149.00	150	Horizontal	Pass
5**	11932.349	43.66	1.62	54.0	10.34	AV	149.00	150	Horizontal	Pass
6	16069.576	55.54	1.32	74.0	18.46	Peak	78.00	400	Horizontal	Pass
6**	16069.576	46.21	1.32	54.0	7.79	AV	78.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.900	46.65	-16.75	74.0	27.35	Peak	20.00	200	Vertical	Pass
1**	1484.900	41.52	-16.75	54.0	12.48	AV	20.00	200	Vertical	Pass
2	4378.200	50.82	-3.44	74.0	23.18	Peak	353.00	100	Vertical	Pass
2**	4378.200	42.22	-3.44	54.0	11.78	AV	353.00	100	Vertical	Pass
3	5756.800	103.79	-1.82	--	--	Peak	360.00	200	Vertical	N/A
3**	5756.800	95.91	-1.82	--	--	AV	360.00	200	Vertical	N/A
4	7277.725	49.76	-3.22	74.0	24.24	Peak	234.00	400	Vertical	Pass
4**	7277.725	39.76	-3.22	54.0	14.24	AV	234.00	400	Vertical	Pass
5	12396.951	53.94	1.59	74.0	20.06	Peak	0.00	100	Vertical	Pass
5**	12396.951	43.47	1.59	54.0	10.53	AV	0.00	100	Vertical	Pass
6	15624.112	55.97	1.71	74.0	18.03	Peak	147.00	100	Vertical	Pass
6**	15624.112	46.17	1.71	54.0	7.83	AV	147.00	100	Vertical	Pass

Antenna 2

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	1039.600	54.07	-17.71	74.0	19.93	Peak	298.00	150	Horizontal	Pass
1**	1039.600	50.93	-17.71	54.0	3.07	AV	298.00	150	Horizontal	Pass
2	1617.300	50.47	-17.10	74.0	23.53	Peak	41.00	300	Horizontal	Pass
2**	1617.300	38.60	-17.10	54.0	15.40	AV	41.00	300	Horizontal	Pass
3	4374.600	50.74	-4.04	74.0	23.26	Peak	93.00	400	Horizontal	Pass
3**	4374.600	41.26	-4.04	54.0	12.74	AV	93.00	400	Horizontal	Pass
4	5175.400	101.89	-2.40	--	--	Peak	29.00	100	Horizontal	N/A
4**	5175.400	94.71	-2.40	--	--	AV	29.00	100	Horizontal	N/A
5	7338.100	49.27	-2.89	74.0	24.73	Peak	17.00	100	Horizontal	Pass
5**	7338.100	41.62	-2.89	54.0	12.38	AV	17.00	100	Horizontal	Pass
6	15806.287	55.69	2.24	74.0	18.31	Peak	170.00	100	Horizontal	Pass
6**	15806.287	46.42	2.24	54.0	7.58	AV	170.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.900	47.91	-16.68	74.0	26.09	Peak	299.00	400	Vertical	Pass
1**	1485.900	36.77	-16.68	54.0	17.23	AV	299.00	400	Vertical	Pass
2	4378.800	50.54	-3.38	74.0	23.46	Peak	7.00	300	Vertical	Pass
2**	4378.800	42.09	-3.38	54.0	11.91	AV	7.00	300	Vertical	Pass
3	5173.600	99.91	-2.20	--	--	Peak	250.00	150	Vertical	N/A
3**	5173.600	92.71	-2.20	--	--	AV	250.00	150	Vertical	N/A
4	7365.125	49.61	-3.36	74.0	24.39	Peak	102.00	100	Vertical	Pass
4**	7365.125	40.62	-3.36	54.0	13.38	AV	102.00	100	Vertical	Pass
5	12280.225	52.68	1.80	74.0	21.32	Peak	53.00	200	Vertical	Pass
5**	12280.225	43.57	1.80	54.0	10.43	AV	53.00	200	Vertical	Pass
6	16117.613	56.11	0.65	74.0	17.89	Peak	273.00	150	Vertical	Pass
6**	16117.613	45.45	0.65	54.0	8.55	AV	273.00	150	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	1039.700	53.18	-17.71	74.0	20.82	Peak	298.00	150	Horizontal	Pass
1**	1039.700	50.86	-17.71	54.0	3.14	AV	298.00	150	Horizontal	Pass
2	1496.900	50.63	-16.96	74.0	23.37	Peak	44.00	300	Horizontal	Pass
2**	1496.900	40.02	-16.96	54.0	13.98	AV	44.00	300	Horizontal	Pass
3	5216.200	102.37	-2.62	--	--	Peak	30.00	150	Horizontal	N/A
3**	5216.200	94.52	-2.62	--	--	AV	30.00	150	Horizontal	N/A
4	7375.475	49.17	-3.76	74.0	24.83	Peak	38.00	200	Horizontal	Pass
4**	7375.475	39.49	-3.76	54.0	14.51	AV	38.00	200	Horizontal	Pass
5	12616.025	53.41	1.86	74.0	20.59	Peak	0.00	100	Horizontal	Pass
5**	12616.025	42.73	1.86	54.0	11.27	AV	0.00	100	Horizontal	Pass
6	15801.037	55.63	2.32	74.0	18.37	Peak	271.00	150	Horizontal	Pass
6**	15801.037	45.92	2.32	54.0	8.08	AV	271.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.900	46.85	-16.75	74.0	27.15	Peak	8.00	400	Vertical	Pass
1**	1484.900	40.18	-16.75	54.0	13.82	AV	8.00	400	Vertical	Pass
2	4381.600	49.93	-3.59	74.0	24.07	Peak	360.00	100	Vertical	Pass
2**	4381.600	41.08	-3.59	54.0	12.92	AV	360.00	100	Vertical	Pass
3	5225.600	100.99	-2.56	--	--	Peak	253.00	150	Vertical	N/A
3**	5225.600	93.73	-2.56	--	--	AV	253.00	150	Vertical	N/A
4	7444.763	49.96	-3.20	74.0	24.04	Peak	0.00	200	Vertical	Pass
4**	7444.763	40.56	-3.20	54.0	13.44	AV	0.00	200	Vertical	Pass
5	12315.300	53.24	1.40	74.0	20.76	Peak	298.00	150	Vertical	Pass
5**	12315.300	43.87	1.40	54.0	10.13	AV	298.00	150	Vertical	Pass
6	16042.013	55.91	0.78	74.0	18.09	Peak	0.00	300	Vertical	Pass
6**	16042.013	45.47	0.78	54.0	8.53	AV	0.00	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	1039.600	53.38	-17.71	74.0	20.62	Peak	298.00	150	Horizontal	Pass
1**	1039.600	51.99	-17.71	54.0	2.01	AV	298.00	150	Horizontal	Pass
2	1542.100	51.75	-17.16	74.0	22.25	Peak	48.00	400	Horizontal	Pass
2**	1542.100	40.76	-17.16	54.0	13.24	AV	48.00	400	Horizontal	Pass
3	5235.200	100.77	-2.64	--	--	Peak	30.00	200	Horizontal	N/A
3**	5235.200	93.15	-2.64	--	--	AV	30.00	200	Horizontal	N/A
4	7503.125	49.90	-3.06	74.0	24.10	Peak	75.00	100	Horizontal	Pass
4**	7503.125	40.73	-3.06	54.0	13.27	AV	75.00	100	Horizontal	Pass
5	12263.262	53.16	1.22	74.0	20.84	Peak	200.00	100	Horizontal	Pass
5**	12263.262	43.05	1.22	54.0	10.95	AV	200.00	100	Horizontal	Pass
6	15801.825	55.10	2.31	74.0	18.90	Peak	57.00	400	Horizontal	Pass
6**	15801.825	46.32	2.31	54.0	7.68	AV	57.00	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	1619.000	47.39	-17.48	74.0	26.61	Peak	308.00	200	Vertical	Pass
1**	1619.000	36.18	-17.48	54.0	17.82	AV	308.00	200	Vertical	Pass
2	4382.000	50.03	-3.64	74.0	23.97	Peak	123.00	200	Vertical	Pass
2**	4382.000	40.98	-3.64	54.0	13.02	AV	123.00	200	Vertical	Pass
3	5247.200	99.66	-2.35	--	--	Peak	254.00	200	Vertical	N/A
3**	5247.200	93.13	-2.35	--	--	AV	254.00	200	Vertical	N/A
4	7680.225	50.65	-2.46	74.0	23.35	Peak	360.00	200	Vertical	Pass
4**	7680.225	40.29	-2.46	54.0	13.71	AV	360.00	200	Vertical	Pass
5	12599.638	53.20	1.89	74.0	20.80	Peak	0.00	150	Vertical	Pass
5**	12599.638	43.75	1.89	54.0	10.25	AV	0.00	150	Vertical	Pass
6	15527.250	55.58	1.26	74.0	18.42	Peak	247.00	100	Vertical	Pass
6**	15527.250	45.54	1.26	54.0	8.46	AV	247.00	100	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	1039.600	53.41	-17.71	74.0	20.59	Peak	302.00	150	Horizontal	Pass
1**	1039.600	50.92	-17.71	54.0	3.08	AV	302.00	150	Horizontal	Pass
2	1563.800	51.02	-17.21	74.0	22.98	Peak	42.00	400	Horizontal	Pass
2**	1563.800	40.75	-17.21	54.0	13.25	AV	42.00	400	Horizontal	Pass
3	3991.800	50.94	-4.53	74.0	23.06	Peak	273.00	400	Horizontal	Pass
3**	3991.800	39.59	-4.53	54.0	14.41	AV	273.00	400	Horizontal	Pass
4	5173.600	102.96	-2.20	--	--	Peak	29.00	200	Horizontal	N/A
4**	5173.600	95.15	-2.20	--	--	AV	29.00	200	Horizontal	N/A
5	7340.400	49.94	-3.01	74.0	24.06	Peak	29.00	200	Horizontal	Pass
5**	7340.400	41.27	-3.01	54.0	12.73	AV	29.00	200	Horizontal	Pass
6	16093.463	55.61	1.36	74.0	18.39	Peak	96.00	200	Horizontal	Pass
6**	16093.463	45.77	1.36	54.0	8.23	AV	96.00	200	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	1622.800	46.36	-16.95	74.0	27.64	Peak	325.00	400	Vertical	Pass
1**	1622.800	36.18	-16.95	54.0	17.82	AV	325.00	400	Vertical	Pass
2	4380.800	49.93	-3.46	74.0	24.07	Peak	97.00	400	Vertical	Pass
2**	4380.800	41.45	-3.46	54.0	12.55	AV	97.00	400	Vertical	Pass
3	5173.200	100.44	-2.16	--	--	Peak	246.00	150	Vertical	N/A
3**	5173.200	93.05	-2.16	--	--	AV	246.00	150	Vertical	N/A
4	7340.975	50.45	-3.07	74.0	23.55	Peak	81.00	100	Vertical	Pass
4**	7340.975	40.94	-3.07	54.0	13.06	AV	81.00	100	Vertical	Pass
5	11954.487	53.50	1.19	74.0	20.50	Peak	311.00	100	Vertical	Pass
5**	11954.487	44.20	1.19	54.0	9.80	AV	311.00	100	Vertical	Pass
6	15640.912	55.94	1.33	74.0	18.06	Peak	80.00	300	Vertical	Pass
6**	15640.912	45.73	1.33	54.0	8.27	AV	80.00	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	1039.700	54.56	-17.71	74.0	19.44	Peak	302.00	150	Horizontal	Pass
1**	1039.700	50.98	-17.71	54.0	3.02	AV	302.00	150	Horizontal	Pass
2	1624.100	51.11	-17.08	74.0	22.89	Peak	309.00	400	Horizontal	Pass
2**	1624.100	40.51	-17.08	54.0	13.49	AV	309.00	400	Horizontal	Pass
3	5212.600	102.20	-2.16	--	--	Peak	34.00	200	Horizontal	N/A
3**	5212.600	94.77	-2.16	--	--	AV	34.00	200	Horizontal	N/A
4	7723.062	49.30	-2.57	74.0	24.70	Peak	141.00	100	Horizontal	Pass
4**	7723.062	40.37	-2.57	54.0	13.63	AV	141.00	100	Horizontal	Pass
5	12642.475	53.93	1.09	74.0	20.07	Peak	261.00	100	Horizontal	Pass
5**	12642.475	42.63	1.09	54.0	11.37	AV	261.00	100	Horizontal	Pass
6	15832.800	56.22	1.47	74.0	17.78	Peak	204.00	300	Horizontal	Pass
6**	15832.800	46.96	1.47	54.0	7.04	AV	204.00	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	1559.300	46.77	-16.96	74.0	27.23	Peak	297.00	400	Vertical	Pass
1**	1559.300	41.72	-16.96	54.0	12.28	AV	297.00	400	Vertical	Pass
2	4378.800	50.38	-3.38	74.0	23.62	Peak	29.00	100	Vertical	Pass
2**	4378.800	42.15	-3.38	54.0	11.85	AV	29.00	100	Vertical	Pass
3	5226.000	101.14	-2.61	--	--	Peak	251.00	150	Vertical	N/A
3**	5226.000	93.60	-2.61	--	--	AV	251.00	150	Vertical	N/A
4	7334.362	50.35	-3.19	74.0	23.65	Peak	331.00	400	Vertical	Pass
4**	7334.362	40.28	-3.19	54.0	13.72	AV	331.00	400	Vertical	Pass
5	12280.800	53.38	1.80	74.0	20.62	Peak	19.00	100	Vertical	Pass
5**	12280.800	43.90	1.80	54.0	10.10	AV	19.00	100	Vertical	Pass
6	15812.062	55.52	2.12	74.0	18.48	Peak	77.00	400	Vertical	Pass
6**	15812.062	46.19	2.12	54.0	7.81	AV	77.00	400	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	1039.500	53.22	-17.71	74.0	20.78	Peak	300.00	150	Horizontal	Pass
1**	1039.500	50.90	-17.71	54.0	3.10	AV	300.00	150	Horizontal	Pass
2	1587.100	51.18	-16.98	74.0	22.82	Peak	42.00	300	Horizontal	Pass
2**	1587.100	44.91	-16.98	54.0	9.09	AV	42.00	300	Horizontal	Pass
3	5234.600	101.78	-2.74	--	--	Peak	29.00	150	Horizontal	N/A
3**	5234.600	94.23	-2.74	--	--	AV	29.00	150	Horizontal	N/A
4	7317.975	49.57	-3.10	74.0	24.43	Peak	273.00	300	Horizontal	Pass
4**	7317.975	40.53	-3.10	54.0	13.47	AV	273.00	300	Horizontal	Pass
5	12229.049	53.40	1.30	74.0	20.60	Peak	273.00	200	Horizontal	Pass
5**	12229.049	43.58	1.30	54.0	10.42	AV	273.00	200	Horizontal	Pass
6	15851.700	55.80	1.28	74.0	18.20	Peak	244.00	300	Horizontal	Pass
6**	15851.700	46.26	1.28	54.0	7.74	AV	244.00	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	1625.100	48.70	-17.12	74.0	25.30	Peak	301.00	300	Vertical	Pass
1**	1625.100	40.98	-17.12	54.0	13.02	AV	301.00	300	Vertical	Pass
2	4379.200	51.68	-3.34	74.0	22.32	Peak	312.00	400	Vertical	Pass
2**	4379.200	42.73	-3.34	54.0	11.27	AV	312.00	400	Vertical	Pass
3	5235.000	100.97	-2.67	--	--	Peak	280.00	150	Vertical	N/A
3**	5235.000	93.76	-2.67	--	--	AV	280.00	150	Vertical	N/A
4	7450.513	50.66	-3.19	74.0	23.34	Peak	346.00	200	Vertical	Pass
4**	7450.513	40.52	-3.19	54.0	13.48	AV	346.00	200	Vertical	Pass
5	12281.950	53.12	1.79	74.0	20.88	Peak	107.00	150	Vertical	Pass
5**	12281.950	44.00	1.79	54.0	10.00	AV	107.00	150	Vertical	Pass
6	15790.012	55.47	2.01	74.0	18.53	Peak	236.00	100	Vertical	Pass
6**	15790.012	46.22	2.01	54.0	7.78	AV	236.00	100	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	1039.500	53.58	-17.71	74.0	20.42	Peak	296.00	150	Horizontal	Pass
1**	1039.500	50.80	-17.71	54.0	3.20	AV	296.00	150	Horizontal	Pass
2	1606.600	50.73	-17.50	74.0	23.27	Peak	14.00	200	Horizontal	Pass
2**	1606.600	38.61	-17.50	54.0	15.39	AV	14.00	200	Horizontal	Pass
3	4381.600	50.62	-3.59	74.0	23.38	Peak	284.00	400	Horizontal	Pass
3**	4381.600	41.34	-3.59	54.0	12.66	AV	284.00	400	Horizontal	Pass
4	5203.200	99.60	-2.19	--	--	Peak	351.00	200	Horizontal	N/A
4**	5203.200	92.43	-2.19	--	--	AV	351.00	200	Horizontal	N/A
5	12285.112	53.48	1.77	74.0	20.52	Peak	130.00	150	Horizontal	Pass
5**	12285.112	43.83	1.77	54.0	10.17	AV	130.00	150	Horizontal	Pass
6	16146.750	55.59	1.02	74.0	18.41	Peak	268.00	400	Horizontal	Pass
6**	16146.750	45.77	1.02	54.0	8.23	AV	268.00	400	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	1608.100	46.07	-17.48	74.0	27.93	Peak	12.00	300	Vertical	Pass
1**	1608.100	37.23	-17.48	54.0	16.77	AV	12.00	300	Vertical	Pass
2	4381.000	50.08	-3.49	74.0	23.92	Peak	43.00	300	Vertical	Pass
2**	4381.000	41.30	-3.49	54.0	12.70	AV	43.00	300	Vertical	Pass
3	5202.400	97.91	-2.14	--	--	Peak	248.00	100	Vertical	N/A
3**	5202.400	91.75	-2.14	--	--	AV	248.00	100	Vertical	N/A
4	7673.900	49.56	-2.34	74.0	24.44	Peak	222.00	300	Vertical	Pass
4**	7673.900	40.47	-2.34	54.0	13.53	AV	222.00	300	Vertical	Pass
5	11948.450	52.92	1.44	74.0	21.08	Peak	276.00	200	Vertical	Pass
5**	11948.450	44.24	1.44	54.0	9.76	AV	276.00	200	Vertical	Pass
6	16102.912	55.83	1.07	74.0	18.17	Peak	186.00	300	Vertical	Pass
6**	16102.912	46.61	1.07	54.0	7.39	AV	186.00	300	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	1039.700	53.65	-17.71	74.0	20.35	Peak	302.00	150	Horizontal	Pass
1**	1039.700	50.75	-17.71	54.0	3.25	AV	302.00	150	Horizontal	Pass
2	1583.600	50.71	-17.10	74.0	23.29	Peak	50.00	400	Horizontal	Pass
2**	1583.600	43.29	-17.10	54.0	10.71	AV	50.00	400	Horizontal	Pass
3	5218.400	99.04	-2.82	--	--	Peak	34.00	150	Horizontal	N/A
3**	5218.400	90.86	-2.82	--	--	AV	34.00	150	Horizontal	N/A
4	7334.938	49.32	-3.24	74.0	24.68	Peak	271.00	400	Horizontal	Pass
4**	7334.938	40.54	-3.24	54.0	13.46	AV	271.00	400	Horizontal	Pass
5	11912.513	52.88	1.51	74.0	21.12	Peak	217.00	150	Horizontal	Pass
5**	11912.513	43.65	1.51	54.0	10.35	AV	217.00	150	Horizontal	Pass
6	15813.375	55.79	2.09	74.0	18.21	Peak	355.00	300	Horizontal	Pass
6**	15813.375	46.57	2.09	54.0	7.43	AV	355.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1625.300	47.89	-17.13	74.0	26.11	Peak	18.00	100	Vertical	Pass
1**	1625.300	34.66	-17.13	54.0	19.34	AV	18.00	100	Vertical	Pass
2	4378.800	50.25	-3.38	74.0	23.75	Peak	121.00	100	Vertical	Pass
2**	4378.800	41.35	-3.38	54.0	12.65	AV	121.00	100	Vertical	Pass
3	5232.600	98.08	-2.67	--	--	Peak	261.00	150	Vertical	N/A
3**	5232.600	90.27	-2.67	--	--	AV	261.00	150	Vertical	N/A
4	7446.775	50.03	-3.17	74.0	23.97	Peak	193.00	200	Vertical	Pass
4**	7446.775	39.38	-3.17	54.0	14.62	AV	193.00	200	Vertical	Pass
5	12231.638	53.04	1.26	74.0	20.96	Peak	212.00	200	Vertical	Pass
5**	12231.638	44.28	1.26	54.0	9.72	AV	212.00	200	Vertical	Pass
6	16182.187	55.50	1.51	74.0	18.50	Peak	345.00	400	Vertical	Pass
6**	16182.187	45.75	1.51	54.0	8.25	AV	345.00	400	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	1039.600	53.70	-17.71	74.0	20.30	Peak	301.00	150	Horizontal	Pass
1**	1039.600	50.97	-17.71	54.0	3.03	AV	301.00	150	Horizontal	Pass
2	1603.500	50.83	-17.41	74.0	23.17	Peak	37.00	300	Horizontal	Pass
2**	1603.500	41.16	-17.41	54.0	12.84	AV	37.00	300	Horizontal	Pass
3	5175.200	102.84	-2.38	--	--	Peak	32.00	200	Horizontal	N/A
3**	5175.200	95.44	-2.38	--	--	AV	32.00	200	Horizontal	N/A
4	7636.525	49.44	-3.08	74.0	24.56	Peak	90.00	300	Horizontal	Pass
4**	7636.525	39.21	-3.08	54.0	14.79	AV	90.00	300	Horizontal	Pass
5	11950.750	52.92	1.36	74.0	21.08	Peak	330.00	100	Horizontal	Pass
5**	11950.750	43.35	1.36	54.0	10.65	AV	330.00	100	Horizontal	Pass
6	15617.812	55.57	1.57	74.0	18.43	Peak	153.00	300	Horizontal	Pass
6**	15617.812	46.46	1.57	54.0	7.54	AV	153.00	300	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	1606.500	46.92	-17.50	74.0	27.08	Peak	24.00	200	Vertical	Pass
1**	1606.500	36.53	-17.50	54.0	17.47	AV	24.00	200	Vertical	Pass
2	4385.200	50.76	-3.43	74.0	23.24	Peak	314.00	300	Vertical	Pass
2**	4385.200	41.67	-3.43	54.0	12.33	AV	314.00	300	Vertical	Pass
3	5174.000	100.39	-2.25	--	--	Peak	248.00	150	Vertical	N/A
3**	5174.000	93.49	-2.25	--	--	AV	248.00	150	Vertical	N/A
4	7688.850	49.86	-2.30	74.0	24.14	Peak	209.00	100	Vertical	Pass
4**	7688.850	40.50	-2.30	54.0	13.50	AV	209.00	100	Vertical	Pass
5	11988.125	53.47	1.08	74.0	20.53	Peak	8.00	150	Vertical	Pass
5**	11988.125	43.04	1.08	54.0	10.96	AV	8.00	150	Vertical	Pass
6	15832.013	55.34	1.48	74.0	18.66	Peak	360.00	100	Vertical	Pass
6**	15832.013	45.62	1.48	54.0	8.38	AV	360.00	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	1039.500	52.99	-17.71	74.0	21.01	Peak	304.00	150	Horizontal	Pass
1**	1039.500	50.90	-17.71	54.0	3.10	AV	304.00	150	Horizontal	Pass
2	1583.800	50.61	-17.07	74.0	23.39	Peak	275.00	400	Horizontal	Pass
2**	1583.800	38.90	-17.07	54.0	15.10	AV	275.00	400	Horizontal	Pass
3	5215.200	103.12	-2.54	--	--	Peak	29.00	100	Horizontal	N/A
3**	5215.200	95.27	-2.54	--	--	AV	29.00	100	Horizontal	N/A
4	7727.088	49.68	-2.50	74.0	24.32	Peak	229.00	400	Horizontal	Pass
4**	7727.088	40.38	-2.50	54.0	13.62	AV	229.00	400	Horizontal	Pass
5	12387.463	53.06	1.54	74.0	20.94	Peak	54.00	150	Horizontal	Pass
5**	12387.463	43.43	1.54	54.0	10.57	AV	54.00	150	Horizontal	Pass
6	15863.775	56.01	0.84	74.0	17.99	Peak	19.00	200	Horizontal	Pass
6**	15863.775	45.80	0.84	54.0	8.20	AV	19.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.100	46.16	-17.28	74.0	27.84	Peak	360.00	200	Vertical	Pass
1**	1437.100	37.11	-17.28	54.0	16.89	AV	360.00	200	Vertical	Pass
2	4379.800	50.35	-3.28	74.0	23.65	Peak	7.00	300	Vertical	Pass
2**	4379.800	41.28	-3.28	54.0	12.72	AV	7.00	300	Vertical	Pass
3	5214.400	101.56	-2.43	--	--	Peak	285.00	200	Vertical	N/A
3**	5214.400	94.02	-2.43	--	--	AV	285.00	200	Vertical	N/A
4	7339.537	49.90	-2.93	74.0	24.10	Peak	71.00	400	Vertical	Pass
4**	7339.537	40.72	-2.93	54.0	13.28	AV	71.00	400	Vertical	Pass
5	11914.237	53.10	1.49	74.0	20.90	Peak	88.00	100	Vertical	Pass
5**	11914.237	44.80	1.49	54.0	9.20	AV	88.00	100	Vertical	Pass
6	15820.463	55.96	1.85	74.0	18.04	Peak	270.00	400	Vertical	Pass
6**	15820.463	46.08	1.85	54.0	7.92	AV	270.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.700	52.73	-17.71	74.0	21.27	Peak	304.00	150	Horizontal	Pass
1**	1039.700	50.71	-17.71	54.0	3.29	AV	304.00	150	Horizontal	Pass
2	1614.600	51.26	-17.51	74.0	22.74	Peak	45.00	300	Horizontal	Pass
2**	1614.600	39.21	-17.51	54.0	14.79	AV	45.00	300	Horizontal	Pass
3	5246.400	101.56	-2.46	--	--	Peak	20.00	150	Horizontal	N/A
3**	5246.400	93.92	-2.46	--	--	AV	20.00	150	Horizontal	N/A
4	7318.550	49.58	-2.98	74.0	24.42	Peak	268.00	100	Horizontal	Pass
4**	7318.550	40.15	-2.98	54.0	13.85	AV	268.00	100	Horizontal	Pass
5	12359.576	53.06	1.17	74.0	20.94	Peak	128.00	150	Horizontal	Pass
5**	12359.576	42.73	1.17	54.0	11.27	AV	128.00	150	Horizontal	Pass
6	16079.549	55.21	1.63	74.0	18.79	Peak	179.00	100	Horizontal	Pass
6**	16079.549	46.46	1.63	54.0	7.54	AV	179.00	100	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	1484.500	47.85	-16.80	74.0	26.15	Peak	28.00	200	Vertical	Pass
1**	1484.500	40.03	-16.80	54.0	13.97	AV	28.00	200	Vertical	Pass
2	4260.800	50.25	-4.57	74.0	23.75	Peak	72.00	400	Vertical	Pass
2**	4260.800	39.83	-4.57	54.0	14.17	AV	72.00	400	Vertical	Pass
3	5245.000	100.90	-2.40	--	--	Peak	280.00	100	Vertical	N/A
3**	5245.000	93.31	-2.40	--	--	AV	280.00	100	Vertical	N/A
4	7464.025	49.77	-3.52	74.0	24.23	Peak	304.00	100	Vertical	Pass
4**	7464.025	39.41	-3.52	54.0	14.59	AV	304.00	100	Vertical	Pass
5	12251.475	53.24	0.96	74.0	20.76	Peak	32.00	150	Vertical	Pass
5**	12251.475	43.81	0.96	54.0	10.19	AV	32.00	150	Vertical	Pass
6	15795.787	55.88	2.19	74.0	18.12	Peak	128.00	300	Vertical	Pass
6**	15795.787	46.54	2.19	54.0	7.46	AV	128.00	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	1039.700	53.39	-17.71	74.0	20.61	Peak	302.00	150	Horizontal	Pass
1**	1039.700	50.87	-17.71	54.0	3.13	AV	302.00	150	Horizontal	Pass
2	1507.900	49.85	-17.00	74.0	24.15	Peak	308.00	100	Horizontal	Pass
2**	1507.900	43.37	-17.00	54.0	10.63	AV	308.00	100	Horizontal	Pass
3	5174.400	100.17	-2.30	--	--	Peak	31.00	100	Horizontal	N/A
3**	5174.400	91.80	-2.30	--	--	AV	31.00	100	Horizontal	N/A
4	7627.900	49.39	-2.83	74.0	24.61	Peak	68.00	200	Horizontal	Pass
4**	7627.900	40.24	-2.83	54.0	13.76	AV	68.00	200	Horizontal	Pass
5	11960.526	52.83	0.91	74.0	21.17	Peak	68.00	100	Horizontal	Pass
5**	11960.526	43.06	0.91	54.0	10.94	AV	68.00	100	Horizontal	Pass
6	16068.525	55.68	1.28	74.0	18.32	Peak	38.00	200	Horizontal	Pass
6**	16068.525	46.23	1.28	54.0	7.77	AV	38.00	200	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	1485.100	47.39	-16.72	74.0	26.61	Peak	296.00	400	Vertical	Pass
1**	1485.100	42.09	-16.72	54.0	11.91	AV	296.00	400	Vertical	Pass
2	4377.000	50.15	-3.71	74.0	23.85	Peak	360.00	200	Vertical	Pass
2**	4377.000	41.64	-3.71	54.0	12.36	AV	360.00	200	Vertical	Pass
3	5203.400	98.96	-2.20	--	--	Peak	250.00	200	Vertical	N/A
3**	5203.400	91.09	-2.20	--	--	AV	250.00	200	Vertical	N/A
4	7339.250	49.31	-2.93	74.0	24.69	Peak	211.00	400	Vertical	Pass
4**	7339.250	41.13	-2.93	54.0	12.87	AV	211.00	400	Vertical	Pass
5	12542.137	53.07	1.32	74.0	20.93	Peak	113.00	200	Vertical	Pass
5**	12542.137	42.71	1.32	54.0	11.29	AV	113.00	200	Vertical	Pass
6	15634.350	55.37	1.57	74.0	18.63	Peak	92.00	200	Vertical	Pass
6**	15634.350	46.27	1.57	54.0	7.73	AV	92.00	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	1039.500	53.70	-17.71	74.0	20.30	Peak	307.00	150	Horizontal	Pass
1**	1039.500	50.79	-17.71	54.0	3.21	AV	307.00	150	Horizontal	Pass
2	1556.500	50.05	-17.09	74.0	23.95	Peak	44.00	100	Horizontal	Pass
2**	1556.500	42.19	-17.09	54.0	11.81	AV	44.00	100	Horizontal	Pass
3	5214.200	100.14	-2.40	--	--	Peak	30.00	150	Horizontal	N/A
3**	5214.200	92.22	-2.40	--	--	AV	30.00	150	Horizontal	N/A
4	7672.462	50.12	-2.39	74.0	23.88	Peak	128.00	300	Horizontal	Pass
4**	7672.462	40.11	-2.39	54.0	13.89	AV	128.00	300	Horizontal	Pass
5	12278.213	53.07	1.74	74.0	20.93	Peak	303.00	100	Horizontal	Pass
5**	12278.213	43.68	1.74	54.0	10.32	AV	303.00	100	Horizontal	Pass
6	15796.575	55.90	2.22	74.0	18.10	Peak	111.00	200	Horizontal	Pass
6**	15796.575	46.43	2.22	54.0	7.57	AV	111.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.300	46.98	-16.69	74.0	27.02	Peak	331.00	100	Vertical	Pass
1**	1485.300	41.43	-16.69	54.0	12.57	AV	331.00	100	Vertical	Pass
2	4380.200	50.77	-3.35	74.0	23.23	Peak	66.00	100	Vertical	Pass
2**	4380.200	41.79	-3.35	54.0	12.21	AV	66.00	100	Vertical	Pass
3	5232.600	98.25	-2.67	--	--	Peak	286.00	200	Vertical	N/A
3**	5232.600	90.87	-2.67	--	--	AV	286.00	200	Vertical	N/A
4	7676.775	49.35	-2.53	74.0	24.65	Peak	0.00	300	Vertical	Pass
4**	7676.775	40.64	-2.53	54.0	13.36	AV	0.00	300	Vertical	Pass
5	11506.850	53.65	-0.13	74.0	20.35	Peak	168.00	150	Vertical	Pass
5**	11506.850	43.03	-0.13	54.0	10.97	AV	168.00	150	Vertical	Pass
6	15631.200	55.80	1.67	74.0	18.20	Peak	80.00	300	Vertical	Pass
6**	15631.200	46.16	1.67	54.0	7.84	AV	80.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.400	53.01	-17.72	74.0	20.99	Peak	314.00	150	Horizontal	Pass
1**	1039.400	50.80	-17.72	54.0	3.20	AV	314.00	150	Horizontal	Pass
2	1553.900	50.41	-17.19	74.0	23.59	Peak	269.00	100	Horizontal	Pass
2**	1553.900	40.90	-17.19	54.0	13.10	AV	269.00	100	Horizontal	Pass
3	5228.600	98.03	-2.68	--	--	Peak	29.00	100	Horizontal	N/A
3**	5228.600	90.48	-2.68	--	--	AV	29.00	100	Horizontal	N/A
4	7621.287	49.74	-2.81	74.0	24.26	Peak	155.00	200	Horizontal	Pass
4**	7621.287	39.82	-2.81	54.0	14.18	AV	155.00	200	Horizontal	Pass
5	12317.600	52.79	1.41	74.0	21.21	Peak	174.00	150	Horizontal	Pass
5**	12317.600	43.70	1.41	54.0	10.30	AV	174.00	150	Horizontal	Pass
6	16099.500	55.31	1.21	74.0	18.69	Peak	55.00	200	Horizontal	Pass
6**	16099.500	46.28	1.21	54.0	7.72	AV	55.00	200	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	1484.700	46.73	-16.77	74.0	27.27	Peak	6.00	100	Vertical	Pass
1**	1484.700	39.96	-16.77	54.0	14.04	AV	6.00	100	Vertical	Pass
2	4392.400	49.85	-3.55	74.0	24.15	Peak	264.00	300	Vertical	Pass
2**	4392.400	41.43	-3.55	54.0	12.57	AV	264.00	300	Vertical	Pass
3	5228.800	96.76	-2.64	--	--	Peak	251.00	100	Vertical	N/A
3**	5228.800	88.77	-2.64	--	--	AV	251.00	100	Vertical	N/A
4	7349.600	49.58	-3.67	74.0	24.42	Peak	254.00	300	Vertical	Pass
4**	7349.600	40.45	-3.67	54.0	13.55	AV	254.00	300	Vertical	Pass
5	12530.925	53.38	1.29	74.0	20.62	Peak	79.00	150	Vertical	Pass
5**	12530.925	43.60	1.29	54.0	10.40	AV	79.00	150	Vertical	Pass
6	15681.599	56.37	1.54	74.0	17.63	Peak	204.00	200	Vertical	Pass
6**	15681.599	46.23	1.54	54.0	7.77	AV	204.00	200	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	1039.800	53.76	-17.70	74.0	20.24	Peak	301.00	150	Horizontal	Pass
1**	1039.800	50.94	-17.70	54.0	3.06	AV	301.00	150	Horizontal	Pass
2	1625.700	50.31	-17.15	74.0	23.69	Peak	50.00	200	Horizontal	Pass
2**	1625.700	38.93	-17.15	54.0	15.07	AV	50.00	200	Horizontal	Pass
3	5739.800	102.50	-2.09	--	--	Peak	19.00	100	Horizontal	N/A
3**	5739.800	95.11	-2.09	--	--	AV	19.00	100	Horizontal	N/A
4	7474.087	49.28	-3.81	74.0	24.72	Peak	345.00	200	Horizontal	Pass
4**	7474.087	38.81	-3.81	54.0	15.19	AV	345.00	200	Horizontal	Pass
5	12248.025	53.73	0.98	74.0	20.27	Peak	273.00	150	Horizontal	Pass
5**	12248.025	43.99	0.98	54.0	10.01	AV	273.00	150	Horizontal	Pass
6	15676.088	55.38	1.55	74.0	18.62	Peak	265.00	300	Horizontal	Pass
6**	15676.088	46.22	1.55	54.0	7.78	AV	265.00	300	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	1485.200	46.96	-16.71	74.0	27.04	Peak	331.00	400	Vertical	Pass
1**	1485.200	41.64	-16.71	54.0	12.36	AV	331.00	400	Vertical	Pass
2	4298.400	49.81	-4.07	74.0	24.19	Peak	54.00	400	Vertical	Pass
2**	4298.400	40.59	-4.07	54.0	13.41	AV	54.00	400	Vertical	Pass
3	5739.600	103.30	-2.08	--	--	Peak	260.00	200	Vertical	N/A
3**	5739.600	96.21	-2.08	--	--	AV	260.00	200	Vertical	N/A
4	7634.513	49.64	-2.96	74.0	24.36	Peak	228.00	100	Vertical	Pass
4**	7634.513	40.04	-2.96	54.0	13.96	AV	228.00	100	Vertical	Pass
5	12598.200	52.99	1.86	74.0	21.01	Peak	74.00	200	Vertical	Pass
5**	12598.200	43.20	1.86	54.0	10.80	AV	74.00	200	Vertical	Pass
6	15658.500	55.91	1.25	74.0	18.09	Peak	237.00	300	Vertical	Pass
6**	15658.500	45.66	1.25	54.0	8.34	AV	237.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.800	52.87	-17.70	74.0	21.13	Peak	306.00	150	Horizontal	Pass
1**	1039.800	50.99	-17.70	54.0	3.01	AV	306.00	150	Horizontal	Pass
2	1619.800	51.54	-17.49	74.0	22.46	Peak	10.00	100	Horizontal	Pass
2**	1619.800	41.67	-17.49	54.0	12.33	AV	10.00	100	Horizontal	Pass
3	5780.600	102.48	-1.66	--	--	Peak	260.00	200	Horizontal	N/A
3**	5780.600	95.39	-1.66	--	--	AV	260.00	200	Horizontal	N/A
4	7364.837	49.75	-3.42	74.0	24.25	Peak	236.00	300	Horizontal	Pass
4**	7364.837	40.05	-3.42	54.0	13.95	AV	236.00	300	Horizontal	Pass
5	12322.487	53.50	1.42	74.0	20.50	Peak	328.00	150	Horizontal	Pass
5**	12322.487	44.02	1.42	54.0	9.98	AV	328.00	150	Horizontal	Pass
6	15840.675	55.21	1.44	74.0	18.79	Peak	101.00	200	Horizontal	Pass
6**	15840.675	45.98	1.44	54.0	8.02	AV	101.00	200	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	1622.000	48.22	-16.86	74.0	25.78	Peak	302.00	200	Vertical	Pass
1**	1622.000	39.49	-16.86	54.0	14.51	AV	302.00	200	Vertical	Pass
2	4369.000	50.52	-3.88	74.0	23.48	Peak	18.00	400	Vertical	Pass
2**	4369.000	41.33	-3.88	54.0	12.67	AV	18.00	400	Vertical	Pass
3	5781.000	103.37	-1.58	--	--	Peak	258.00	200	Vertical	N/A
3**	5781.000	95.31	-1.58	--	--	AV	258.00	200	Vertical	N/A
4	7724.788	49.89	-2.43	74.0	24.11	Peak	72.00	300	Vertical	Pass
4**	7724.788	40.29	-2.43	54.0	13.71	AV	72.00	300	Vertical	Pass
5	12244.862	52.84	1.02	74.0	21.16	Peak	39.00	150	Vertical	Pass
5**	12244.862	43.08	1.02	54.0	10.92	AV	39.00	150	Vertical	Pass
6	16064.326	56.38	1.12	74.0	17.62	Peak	237.00	300	Vertical	Pass
6**	16064.326	46.11	1.12	54.0	7.89	AV	237.00	300	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	1039.800	53.07	-17.70	74.0	20.93	Peak	308.00	150	Horizontal	Pass
1**	1039.800	50.90	-17.70	54.0	3.10	AV	308.00	150	Horizontal	Pass
2	1493.700	51.24	-16.88	74.0	22.76	Peak	53.00	400	Horizontal	Pass
2**	1493.700	34.21	-16.88	54.0	19.79	AV	53.00	400	Horizontal	Pass
3	5822.000	102.12	-2.26	--	--	Peak	262.00	200	Horizontal	N/A
3**	5822.000	94.10	-2.26	--	--	AV	262.00	200	Horizontal	N/A
4	7334.938	49.75	-3.24	74.0	24.25	Peak	100.00	200	Horizontal	Pass
4**	7334.938	41.15	-3.24	54.0	12.85	AV	100.00	200	Horizontal	Pass
5	11828.850	53.84	1.18	74.0	20.16	Peak	100.00	200	Horizontal	Pass
5**	11828.850	42.79	1.18	54.0	11.21	AV	100.00	200	Horizontal	Pass
6	15499.425	55.59	1.15	74.0	18.41	Peak	275.00	400	Horizontal	Pass
6**	15499.425	45.99	1.15	54.0	8.01	AV	275.00	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	1484.900	46.94	-16.75	74.0	27.06	Peak	296.00	100	Vertical	Pass
1**	1484.900	40.69	-16.75	54.0	13.31	AV	296.00	100	Vertical	Pass
2	4381.800	50.29	-3.63	74.0	23.71	Peak	0.00	100	Vertical	Pass
2**	4381.800	41.60	-3.63	54.0	12.40	AV	0.00	100	Vertical	Pass
3	5830.000	101.51	-1.77	--	--	Peak	262.00	150	Vertical	N/A
3**	5830.000	94.28	-1.77	--	--	AV	262.00	150	Vertical	N/A
4	7608.637	49.63	-3.04	74.0	24.37	Peak	211.00	200	Vertical	Pass
4**	7608.637	41.24	-3.04	54.0	12.76	AV	211.00	200	Vertical	Pass
5	11541.638	53.12	-0.56	74.0	20.88	Peak	231.00	100	Vertical	Pass
5**	11541.638	42.50	-0.56	54.0	11.50	AV	231.00	100	Vertical	Pass
6	15515.700	55.22	1.40	74.0	18.78	Peak	197.00	300	Vertical	Pass
6**	15515.700	46.57	1.40	54.0	7.43	AV	197.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.34	-17.71	74.0	20.66	Peak	303.00	150	Horizontal	Pass
1**	1039.600	50.86	-17.71	54.0	3.14	AV	303.00	150	Horizontal	Pass
2	1563.000	51.40	-16.98	74.0	22.60	Peak	43.00	100	Horizontal	Pass
2**	1563.000	41.54	-16.98	54.0	12.46	AV	43.00	100	Horizontal	Pass
3	5740.400	102.73	-2.14	--	--	Peak	20.00	100	Horizontal	N/A
3**	5740.400	95.12	-2.14	--	--	AV	20.00	100	Horizontal	N/A
4	7347.300	49.92	-3.66	74.0	24.08	Peak	206.00	300	Horizontal	Pass
4**	7347.300	40.95	-3.66	54.0	13.05	AV	206.00	300	Horizontal	Pass
5	12281.950	53.21	1.79	74.0	20.79	Peak	275.00	100	Horizontal	Pass
5**	12281.950	44.68	1.79	54.0	9.32	AV	275.00	100	Horizontal	Pass
6	15796.575	55.69	2.22	74.0	18.31	Peak	19.00	200	Horizontal	Pass
6**	15796.575	46.54	2.22	54.0	7.46	AV	19.00	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	1613.500	47.05	-17.47	74.0	26.95	Peak	297.00	100	Vertical	Pass
1**	1613.500	37.41	-17.47	54.0	16.59	AV	297.00	100	Vertical	Pass
2	4379.200	50.12	-3.34	74.0	23.88	Peak	213.00	300	Vertical	Pass
2**	4379.200	41.79	-3.34	54.0	12.21	AV	213.00	300	Vertical	Pass
3	5738.400	103.50	-2.11	--	--	Peak	261.00	150	Vertical	N/A
3**	5738.400	95.46	-2.11	--	--	AV	261.00	150	Vertical	N/A
4	7686.550	49.79	-1.99	74.0	24.21	Peak	287.00	100	Vertical	Pass
4**	7686.550	40.81	-1.99	54.0	13.19	AV	287.00	100	Vertical	Pass
5	12317.025	52.73	1.41	74.0	21.27	Peak	287.00	100	Vertical	Pass
5**	12317.025	44.03	1.41	54.0	9.97	AV	287.00	100	Vertical	Pass
6	16191.375	55.54	1.58	74.0	18.46	Peak	0.00	100	Vertical	Pass
6**	16191.375	45.76	1.58	54.0	8.24	AV	0.00	100	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	1039.600	54.35	-17.71	74.0	19.65	Peak	298.00	150	Horizontal	Pass
1**	1039.600	50.83	-17.71	54.0	3.17	AV	298.00	150	Horizontal	Pass
2	1578.600	50.76	-17.49	74.0	23.24	Peak	43.00	200	Horizontal	Pass
2**	1578.600	40.48	-17.49	54.0	13.52	AV	43.00	200	Horizontal	Pass
3	4389.000	50.11	-3.37	74.0	23.89	Peak	231.00	300	Horizontal	Pass
3**	4389.000	41.08	-3.37	54.0	12.92	AV	231.00	300	Horizontal	Pass
4	5780.400	103.07	-1.70	--	--	Peak	265.00	200	Horizontal	N/A
4**	5780.400	95.33	-1.70	--	--	AV	265.00	200	Horizontal	N/A
5	7676.487	49.75	-2.52	74.0	24.25	Peak	276.00	300	Horizontal	Pass
5**	7676.487	40.52	-2.52	54.0	13.48	AV	276.00	300	Horizontal	Pass
6	12280.225	53.52	1.80	74.0	20.48	Peak	309.00	100	Horizontal	Pass
6**	12280.225	44.13	1.80	54.0	9.87	AV	309.00	100	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	1484.800	47.61	-16.76	74.0	26.39	Peak	300.00	300	Vertical	Pass
1**	1484.800	43.43	-16.76	54.0	10.57	AV	300.00	300	Vertical	Pass
2	4380.200	50.23	-3.35	74.0	23.77	Peak	334.00	300	Vertical	Pass
2**	4380.200	41.71	-3.35	54.0	12.29	AV	334.00	300	Vertical	Pass
3	5788.800	102.62	-1.74	--	--	Peak	254.00	200	Vertical	N/A
3**	5788.800	95.14	-1.74	--	--	AV	254.00	200	Vertical	N/A
4	7710.700	49.97	-2.29	74.0	24.03	Peak	258.00	300	Vertical	Pass
4**	7710.700	40.47	-2.29	54.0	13.53	AV	258.00	300	Vertical	Pass
5	12221.287	53.20	1.25	74.0	20.80	Peak	30.00	200	Vertical	Pass
5**	12221.287	43.25	1.25	54.0	10.75	AV	30.00	200	Vertical	Pass
6	15813.375	55.64	2.09	74.0	18.36	Peak	260.00	200	Vertical	Pass
6**	15813.375	46.35	2.09	54.0	7.65	AV	260.00	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	1039.600	53.27	-17.71	74.0	20.73	Peak	302.00	150	Horizontal	Pass
1**	1039.600	50.73	-17.71	54.0	3.27	AV	302.00	150	Horizontal	Pass
2	1624.500	51.65	-17.10	74.0	22.35	Peak	14.00	200	Horizontal	Pass
2**	1624.500	41.26	-17.10	54.0	12.74	AV	14.00	200	Horizontal	Pass
3	4378.200	50.45	-3.44	74.0	23.55	Peak	360.00	100	Horizontal	Pass
3**	4378.200	41.35	-3.44	54.0	12.65	AV	360.00	100	Horizontal	Pass
4	5819.200	102.53	-2.47	--	--	Peak	265.00	100	Horizontal	N/A
4**	5819.200	94.68	-2.47	--	--	AV	265.00	100	Horizontal	N/A
5	12502.462	52.82	1.66	74.0	21.18	Peak	181.00	200	Horizontal	Pass
5**	12502.462	43.27	1.66	54.0	10.73	AV	181.00	200	Horizontal	Pass
6	16195.838	55.94	1.59	74.0	18.06	Peak	150.00	300	Horizontal	Pass
6**	16195.838	46.84	1.59	54.0	7.16	AV	150.00	300	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	1615.700	47.77	-17.44	74.0	26.23	Peak	19.00	200	Vertical	Pass
1**	1615.700	33.98	-17.44	54.0	20.02	AV	19.00	200	Vertical	Pass
2	4378.400	50.22	-3.42	74.0	23.78	Peak	197.00	300	Vertical	Pass
2**	4378.400	41.47	-3.42	54.0	12.53	AV	197.00	300	Vertical	Pass
3	5829.000	101.99	-1.80	--	--	Peak	277.00	100	Vertical	N/A
3**	5829.000	94.27	-1.80	--	--	AV	277.00	100	Vertical	N/A
4	7693.162	49.62	-2.62	74.0	24.38	Peak	222.00	300	Vertical	Pass
4**	7693.162	39.86	-2.62	54.0	14.14	AV	222.00	300	Vertical	Pass
5	12283.388	53.28	1.78	74.0	20.72	Peak	104.00	200	Vertical	Pass
5**	12283.388	44.51	1.78	54.0	9.49	AV	104.00	200	Vertical	Pass
6	15489.450	55.41	0.93	74.0	18.59	Peak	36.00	300	Vertical	Pass
6**	15489.450	45.63	0.93	54.0	8.37	AV	36.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.700	52.62	-17.71	74.0	21.38	Peak	310.00	150	Horizontal	Pass
1**	1039.700	50.97	-17.71	54.0	3.03	AV	310.00	150	Horizontal	Pass
2	1619.000	51.15	-17.48	74.0	22.85	Peak	9.00	400	Horizontal	Pass
2**	1619.000	40.30	-17.48	54.0	13.70	AV	9.00	400	Horizontal	Pass
3	5740.000	99.82	-2.10	--	--	Peak	275.00	150	Horizontal	N/A
3**	5740.000	92.82	-2.10	--	--	AV	275.00	150	Horizontal	N/A
4	7467.475	50.02	-3.26	74.0	23.98	Peak	167.00	200	Horizontal	Pass
4**	7467.475	40.05	-3.26	54.0	13.95	AV	167.00	200	Horizontal	Pass
5	12329.675	53.31	1.42	74.0	20.69	Peak	310.00	100	Horizontal	Pass
5**	12329.675	43.53	1.42	54.0	10.47	AV	310.00	100	Horizontal	Pass
6	15859.838	55.34	0.93	74.0	18.66	Peak	306.00	300	Horizontal	Pass
6**	15859.838	45.92	0.93	54.0	8.08	AV	306.00	300	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	1622.300	48.11	-16.90	74.0	25.89	Peak	304.00	100	Vertical	Pass
1**	1622.300	33.73	-16.90	54.0	20.27	AV	304.00	100	Vertical	Pass
2	4378.000	50.64	-3.46	74.0	23.36	Peak	144.00	300	Vertical	Pass
2**	4378.000	41.73	-3.46	54.0	12.27	AV	144.00	300	Vertical	Pass
3	5742.000	99.90	-2.25	--	--	Peak	264.00	150	Vertical	N/A
3**	5742.000	92.31	-2.25	--	--	AV	264.00	150	Vertical	N/A
4	7632.212	49.22	-2.91	74.0	24.78	Peak	162.00	100	Vertical	Pass
4**	7632.212	40.29	-2.91	54.0	13.71	AV	162.00	100	Vertical	Pass
5	12405.287	52.95	1.48	74.0	21.05	Peak	104.00	100	Vertical	Pass
5**	12405.287	43.70	1.48	54.0	10.30	AV	104.00	100	Vertical	Pass
6	15667.162	56.05	1.38	74.0	17.95	Peak	131.00	400	Vertical	Pass
6**	15667.162	45.94	1.38	54.0	8.06	AV	131.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.700	53.49	-17.71	74.0	20.51	Peak	301.00	150	Horizontal	Pass
1**	1039.700	50.88	-17.71	54.0	3.12	AV	301.00	150	Horizontal	Pass
2	1621.900	52.09	-16.85	74.0	21.91	Peak	15.00	400	Horizontal	Pass
2**	1621.900	35.61	-16.85	54.0	18.39	AV	15.00	400	Horizontal	Pass
3	5780.600	99.87	-1.66	--	--	Peak	269.00	100	Horizontal	N/A
3**	5780.600	93.18	-1.66	--	--	AV	269.00	100	Horizontal	N/A
4	7629.050	49.53	-2.95	74.0	24.47	Peak	52.00	200	Horizontal	Pass
4**	7629.050	39.93	-2.95	54.0	14.07	AV	52.00	200	Horizontal	Pass
5	12214.388	52.93	1.16	74.0	21.07	Peak	16.00	200	Horizontal	Pass
5**	12214.388	43.04	1.16	54.0	10.96	AV	16.00	200	Horizontal	Pass
6	16043.588	55.52	0.76	74.0	18.48	Peak	178.00	300	Horizontal	Pass
6**	16043.588	45.59	0.76	54.0	8.41	AV	178.00	300	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	1484.900	47.70	-16.75	74.0	26.30	Peak	299.00	400	Vertical	Pass
1**	1484.900	42.89	-16.75	54.0	11.11	AV	299.00	400	Vertical	Pass
2	4392.800	50.30	-3.61	74.0	23.70	Peak	269.00	400	Vertical	Pass
2**	4392.800	40.86	-3.61	54.0	13.14	AV	269.00	400	Vertical	Pass
3	5779.800	100.07	-1.82	--	--	Peak	256.00	150	Vertical	N/A
3**	5779.800	92.71	-1.82	--	--	AV	256.00	150	Vertical	N/A
4	7342.700	49.46	-3.27	74.0	24.54	Peak	11.00	400	Vertical	Pass
4**	7342.700	40.83	-3.27	54.0	13.17	AV	11.00	400	Vertical	Pass
5	12321.050	52.97	1.42	74.0	21.03	Peak	179.00	100	Vertical	Pass
5**	12321.050	43.81	1.42	54.0	10.19	AV	179.00	100	Vertical	Pass
6	16080.075	55.66	1.64	74.0	18.34	Peak	189.00	100	Vertical	Pass
6**	16080.075	46.45	1.64	54.0	7.55	AV	189.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.42	-17.71	74.0	20.58	Peak	293.00	150	Horizontal	Pass
1**	1039.600	50.95	-17.71	54.0	3.05	AV	293.00	150	Horizontal	Pass
2	1539.900	50.53	-17.05	74.0	23.47	Peak	42.00	200	Horizontal	Pass
2**	1539.900	36.22	-17.05	54.0	17.78	AV	42.00	200	Horizontal	Pass
3	3992.400	50.99	-4.45	74.0	23.01	Peak	266.00	300	Horizontal	Pass
3**	3992.400	40.15	-4.45	54.0	13.85	AV	266.00	300	Horizontal	Pass
4	5739.800	102.67	-2.09	--	--	Peak	266.00	200	Horizontal	N/A
4**	5739.800	95.23	-2.09	--	--	AV	266.00	200	Horizontal	N/A
5	12465.950	53.57	1.72	74.0	20.43	Peak	60.00	100	Horizontal	Pass
5**	12465.950	43.56	1.72	54.0	10.44	AV	60.00	100	Horizontal	Pass
6	15676.088	55.79	1.55	74.0	18.21	Peak	38.00	100	Horizontal	Pass
6**	15676.088	45.93	1.55	54.0	8.07	AV	38.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.100	47.22	-16.72	74.0	26.78	Peak	306.00	100	Vertical	Pass
1**	1485.100	41.47	-16.72	54.0	12.53	AV	306.00	100	Vertical	Pass
2	4381.400	51.14	-3.56	74.0	22.86	Peak	198.00	400	Vertical	Pass
2**	4381.400	41.75	-3.56	54.0	12.25	AV	198.00	400	Vertical	Pass
3	5739.400	103.61	-2.09	--	--	Peak	257.00	100	Vertical	N/A
3**	5739.400	96.35	-2.09	--	--	AV	257.00	100	Vertical	N/A
4	7452.237	49.79	-3.16	74.0	24.21	Peak	344.00	100	Vertical	Pass
4**	7452.237	40.81	-3.16	54.0	13.19	AV	344.00	100	Vertical	Pass
5	12413.338	52.82	1.42	74.0	21.18	Peak	0.00	100	Vertical	Pass
5**	12413.338	43.45	1.42	54.0	10.55	AV	0.00	100	Vertical	Pass
6	15489.450	56.75	0.93	74.0	17.25	Peak	58.00	300	Vertical	Pass
6**	15489.450	46.43	0.93	54.0	7.57	AV	58.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.500	53.52	-17.71	74.0	20.48	Peak	303.00	150	Horizontal	Pass
1**	1039.500	50.97	-17.71	54.0	3.03	AV	303.00	150	Horizontal	Pass
2	1618.300	50.25	-17.31	74.0	23.75	Peak	44.00	100	Horizontal	Pass
2**	1618.300	41.94	-17.31	54.0	12.06	AV	44.00	100	Horizontal	Pass
3	5781.400	103.02	-1.49	--	--	Peak	265.00	100	Horizontal	N/A
3**	5781.400	94.80	-1.49	--	--	AV	265.00	100	Horizontal	N/A
4	7333.500	49.27	-3.12	74.0	24.73	Peak	233.00	300	Horizontal	Pass
4**	7333.500	40.54	-3.12	54.0	13.46	AV	233.00	300	Horizontal	Pass
5	11976.912	53.12	0.83	74.0	20.88	Peak	55.00	100	Horizontal	Pass
5**	11976.912	42.76	0.83	54.0	11.24	AV	55.00	100	Horizontal	Pass
6	15786.338	55.62	1.86	74.0	18.38	Peak	41.00	300	Horizontal	Pass
6**	15786.338	46.38	1.86	54.0	7.62	AV	41.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.200	47.18	-17.47	74.0	26.82	Peak	18.00	200	Vertical	Pass
1**	1605.200	34.49	-17.47	54.0	19.51	AV	18.00	200	Vertical	Pass
2	4380.400	51.31	-3.39	74.0	22.69	Peak	32.00	300	Vertical	Pass
2**	4380.400	41.71	-3.39	54.0	12.29	AV	32.00	300	Vertical	Pass
3	5780.800	102.94	-1.62	--	--	Peak	255.00	200	Vertical	N/A
3**	5780.800	94.91	-1.62	--	--	AV	255.00	200	Vertical	N/A
4	7336.088	49.07	-3.18	74.0	24.93	Peak	233.00	100	Vertical	Pass
4**	7336.088	41.09	-3.18	54.0	12.91	AV	233.00	100	Vertical	Pass
5	12289.424	53.69	1.68	74.0	20.31	Peak	24.00	150	Vertical	Pass
5**	12289.424	43.58	1.68	54.0	10.42	AV	24.00	150	Vertical	Pass
6	15618.862	56.00	1.60	74.0	18.00	Peak	64.00	300	Vertical	Pass
6**	15618.862	45.60	1.60	54.0	8.40	AV	64.00	300	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	1039.600	53.36	-17.71	74.0	20.64	Peak	306.00	150	Horizontal	Pass
1**	1039.600	50.96	-17.71	54.0	3.04	AV	306.00	150	Horizontal	Pass
2	1548.400	50.95	-17.35	74.0	23.05	Peak	40.00	400	Horizontal	Pass
2**	1548.400	42.42	-17.35	54.0	11.58	AV	40.00	400	Horizontal	Pass
3	4375.600	50.81	-4.18	74.0	23.19	Peak	30.00	100	Horizontal	Pass
3**	4375.600	40.36	-4.18	54.0	13.64	AV	30.00	100	Horizontal	Pass
4	5830.000	102.56	-1.77	--	--	Peak	267.00	150	Horizontal	N/A
4**	5830.000	95.40	-1.77	--	--	AV	267.00	150	Horizontal	N/A
5	12283.675	53.31	1.78	74.0	20.69	Peak	310.00	100	Horizontal	Pass
5**	12283.675	44.89	1.78	54.0	9.11	AV	310.00	100	Horizontal	Pass
6	16093.200	55.70	1.36	74.0	18.30	Peak	103.00	400	Horizontal	Pass
6**	16093.200	45.63	1.36	54.0	8.37	AV	103.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.300	47.92	-16.69	74.0	26.08	Peak	290.00	300	Vertical	Pass
1**	1485.300	41.45	-16.69	54.0	12.55	AV	290.00	300	Vertical	Pass
2	4388.800	50.58	-3.38	74.0	23.42	Peak	20.00	400	Vertical	Pass
2**	4388.800	41.29	-3.38	54.0	12.71	AV	20.00	400	Vertical	Pass
3	5830.800	102.38	-1.76	--	--	Peak	267.00	200	Vertical	N/A
3**	5830.800	94.52	-1.76	--	--	AV	267.00	200	Vertical	N/A
4	7446.200	49.61	-3.13	74.0	24.39	Peak	235.00	100	Vertical	Pass
4**	7446.200	40.05	-3.13	54.0	13.95	AV	235.00	100	Vertical	Pass
5	12318.750	53.86	1.42	74.0	20.14	Peak	135.00	100	Vertical	Pass
5**	12318.750	43.45	1.42	54.0	10.55	AV	135.00	100	Vertical	Pass
6	15802.087	55.52	2.31	74.0	18.48	Peak	72.00	100	Vertical	Pass
6**	15802.087	46.75	2.31	54.0	7.25	AV	72.00	100	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	1039.700	53.32	-17.71	74.0	20.68	Peak	296.00	150	Horizontal	Pass
1**	1039.700	50.83	-17.71	54.0	3.17	AV	296.00	150	Horizontal	Pass
2	1607.000	52.71	-17.50	74.0	21.29	Peak	20.00	300	Horizontal	Pass
2**	1607.000	43.69	-17.50	54.0	10.31	AV	20.00	300	Horizontal	Pass
3	5741.400	98.94	-2.23	--	--	Peak	266.00	200	Horizontal	N/A
3**	5741.400	91.14	-2.23	--	--	AV	266.00	200	Horizontal	N/A
4	7440.450	49.31	-3.49	74.0	24.69	Peak	0.00	300	Horizontal	Pass
4**	7440.450	39.45	-3.49	54.0	14.55	AV	0.00	300	Horizontal	Pass
5	11523.812	53.07	-0.48	74.0	20.93	Peak	209.00	150	Horizontal	Pass
5**	11523.812	42.55	-0.48	54.0	11.45	AV	209.00	150	Horizontal	Pass
6	16130.475	55.28	1.02	74.0	18.72	Peak	253.00	300	Horizontal	Pass
6**	16130.475	45.91	1.02	54.0	8.09	AV	253.00	300	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	1616.700	46.99	-17.23	74.0	27.01	Peak	289.00	300	Vertical	Pass
1**	1616.700	36.15	-17.23	54.0	17.85	AV	289.00	300	Vertical	Pass
2	4064.000	50.45	-4.79	74.0	23.55	Peak	146.00	100	Vertical	Pass
2**	4064.000	40.42	-4.79	54.0	13.58	AV	146.00	100	Vertical	Pass
3	5741.800	100.10	-2.26	--	--	Peak	258.00	150	Vertical	N/A
3**	5741.800	92.40	-2.26	--	--	AV	258.00	150	Vertical	N/A
4	7517.212	49.43	-3.31	74.0	24.57	Peak	52.00	200	Vertical	Pass
4**	7517.212	39.87	-3.31	54.0	14.13	AV	52.00	200	Vertical	Pass
5	12278.787	52.97	1.76	74.0	21.03	Peak	109.00	200	Vertical	Pass
5**	12278.787	44.45	1.76	54.0	9.55	AV	109.00	200	Vertical	Pass
6	15782.400	55.88	1.67	74.0	18.12	Peak	44.00	100	Vertical	Pass
6**	15782.400	47.19	1.67	54.0	6.81	AV	44.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.700	54.49	-17.71	74.0	19.51	Peak	303.00	150	Horizontal	Pass
1**	1039.700	50.92	-17.71	54.0	3.08	AV	303.00	150	Horizontal	Pass
2	1611.500	49.87	-17.12	74.0	24.13	Peak	10.00	100	Horizontal	Pass
2**	1611.500	39.88	-17.12	54.0	14.12	AV	10.00	100	Horizontal	Pass
3	5808.000	100.20	-1.99	--	--	Peak	271.00	100	Horizontal	N/A
3**	5808.000	92.90	-1.99	--	--	AV	271.00	100	Horizontal	N/A
4	7337.525	50.83	-2.90	74.0	23.17	Peak	172.00	400	Horizontal	Pass
4**	7337.525	40.87	-2.90	54.0	13.13	AV	172.00	400	Horizontal	Pass
5	12615.162	53.61	1.87	74.0	20.39	Peak	317.00	100	Horizontal	Pass
5**	12615.162	43.54	1.87	54.0	10.46	AV	317.00	100	Horizontal	Pass
6	15774.262	55.63	1.24	74.0	18.37	Peak	360.00	300	Horizontal	Pass
6**	15774.262	45.93	1.24	54.0	8.07	AV	360.00	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	1597.500	47.11	-17.20	74.0	26.89	Peak	11.00	100	Vertical	Pass
1**	1597.500	34.26	-17.20	54.0	19.74	AV	11.00	100	Vertical	Pass
2	4377.400	50.52	-3.58	74.0	23.48	Peak	285.00	300	Vertical	Pass
2**	4377.400	41.28	-3.58	54.0	12.72	AV	285.00	300	Vertical	Pass
3	5779.600	99.70	-1.86	--	--	Peak	250.00	150	Vertical	N/A
3**	5779.600	92.34	-1.86	--	--	AV	250.00	150	Vertical	N/A
4	7334.938	49.05	-3.24	74.0	24.95	Peak	217.00	100	Vertical	Pass
4**	7334.938	40.39	-3.24	54.0	13.61	AV	217.00	100	Vertical	Pass
5	12356.987	53.64	1.17	74.0	20.36	Peak	28.00	150	Vertical	Pass
5**	12356.987	42.91	1.17	54.0	11.09	AV	28.00	150	Vertical	Pass
6	15810.487	55.47	2.15	74.0	18.53	Peak	360.00	300	Vertical	Pass
6**	15810.487	46.34	2.15	54.0	7.66	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.600	53.61	-17.71	74.0	20.39	Peak	309.00	150	Horizontal	Pass
1**	1039.600	50.90	-17.71	54.0	3.10	AV	309.00	150	Horizontal	Pass
2	1555.900	52.06	-17.13	74.0	21.94	Peak	47.00	200	Horizontal	Pass
2**	1555.900	39.61	-17.13	54.0	14.39	AV	47.00	200	Horizontal	Pass
3	4367.400	50.30	-3.83	74.0	23.70	Peak	117.00	300	Horizontal	Pass
3**	4367.400	40.89	-3.83	54.0	13.11	AV	117.00	300	Horizontal	Pass
4	5803.000	97.51	-1.93	--	--	Peak	271.00	100	Horizontal	N/A
4**	5803.000	89.51	-1.93	--	--	AV	271.00	100	Horizontal	N/A
5	11211.875	52.77	-0.21	74.0	21.23	Peak	127.00	200	Horizontal	Pass
5**	11211.875	42.70	-0.21	54.0	11.30	AV	127.00	200	Horizontal	Pass
6	15514.387	55.99	1.40	74.0	18.01	Peak	147.00	300	Horizontal	Pass
6**	15514.387	46.60	1.40	54.0	7.40	AV	147.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.300	47.17	-17.31	74.0	26.83	Peak	282.00	200	Vertical	Pass
1**	1616.300	33.06	-17.31	54.0	20.94	AV	282.00	200	Vertical	Pass
2	4390.200	50.08	-3.31	74.0	23.92	Peak	249.00	300	Vertical	Pass
2**	4390.200	41.50	-3.31	54.0	12.50	AV	249.00	300	Vertical	Pass
3	5747.400	97.69	-2.21	--	--	Peak	259.00	100	Vertical	N/A
3**	5747.400	89.89	-2.21	--	--	AV	259.00	100	Vertical	N/A
4	7383.237	49.73	-3.47	74.0	24.27	Peak	329.00	300	Vertical	Pass
4**	7383.237	39.62	-3.47	54.0	14.38	AV	329.00	300	Vertical	Pass
5	11662.963	53.15	0.15	74.0	20.85	Peak	144.00	100	Vertical	Pass
5**	11662.963	43.28	0.15	54.0	10.72	AV	144.00	100	Vertical	Pass
6	15488.925	55.53	0.93	74.0	18.47	Peak	251.00	400	Vertical	Pass
6**	15488.925	45.80	0.93	54.0	8.20	AV	251.00	400	Vertical	Pass

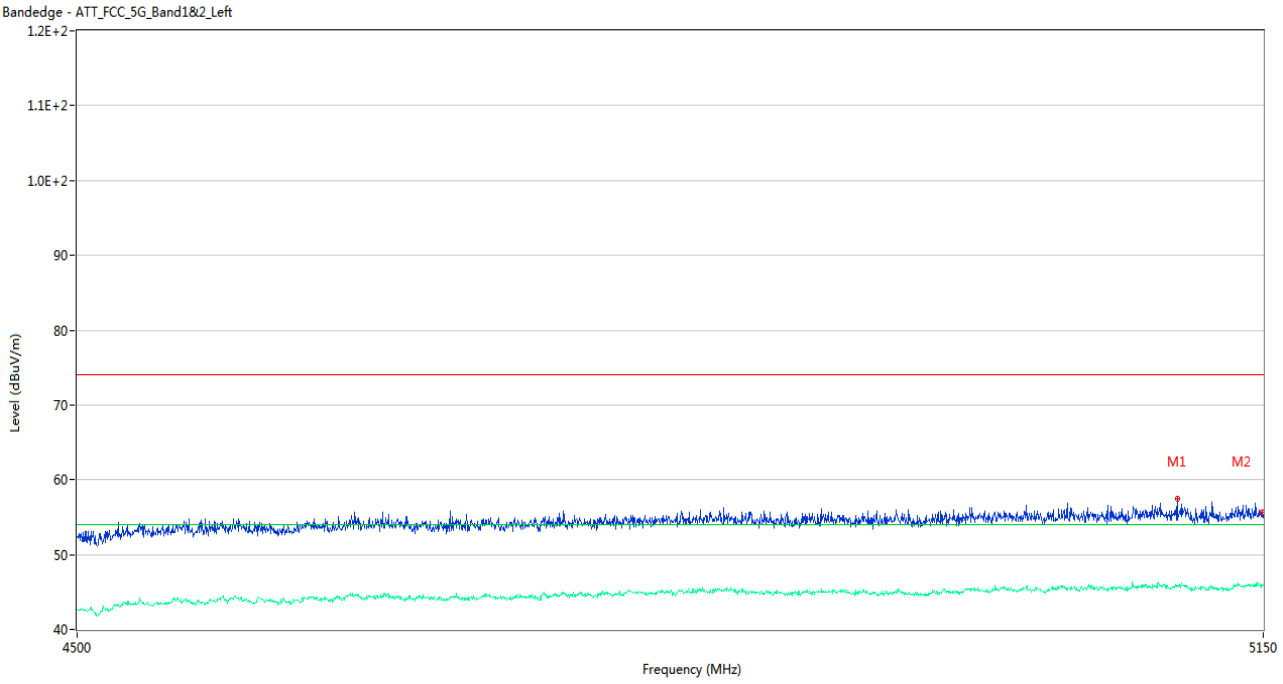
A.6.2 Band Edge (Restricted-band)

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

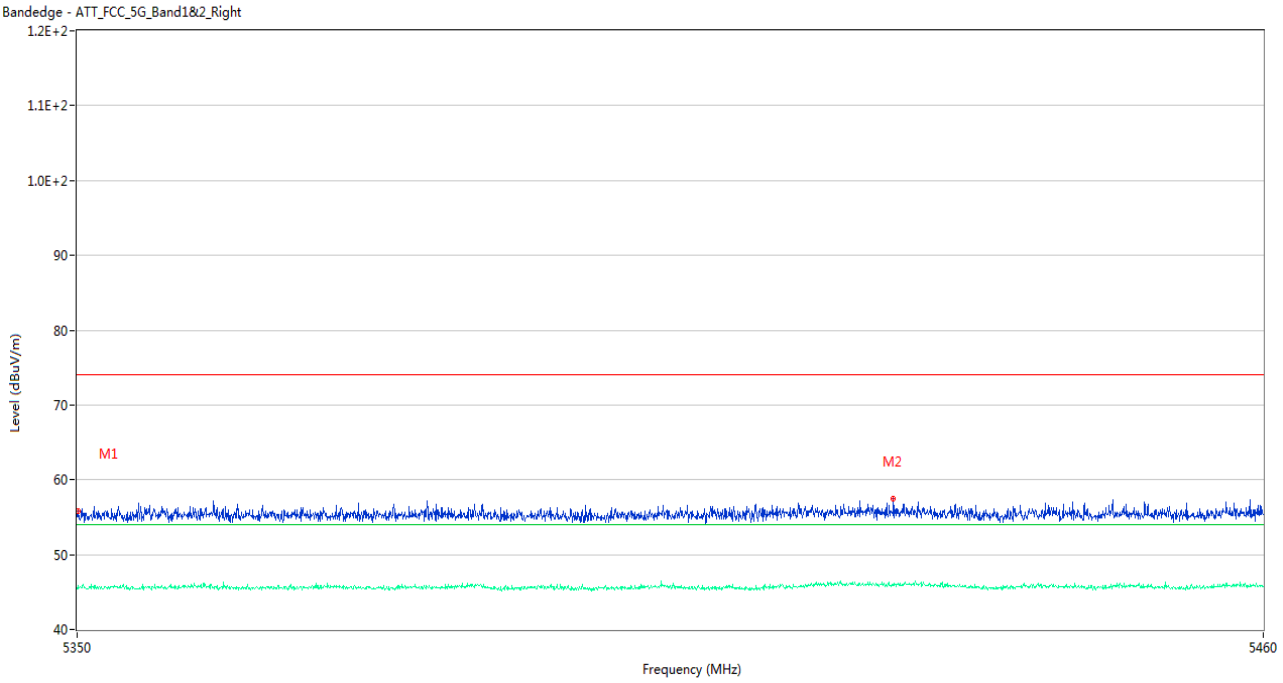
Antenna 1

U-NII-1 11a Low Channel



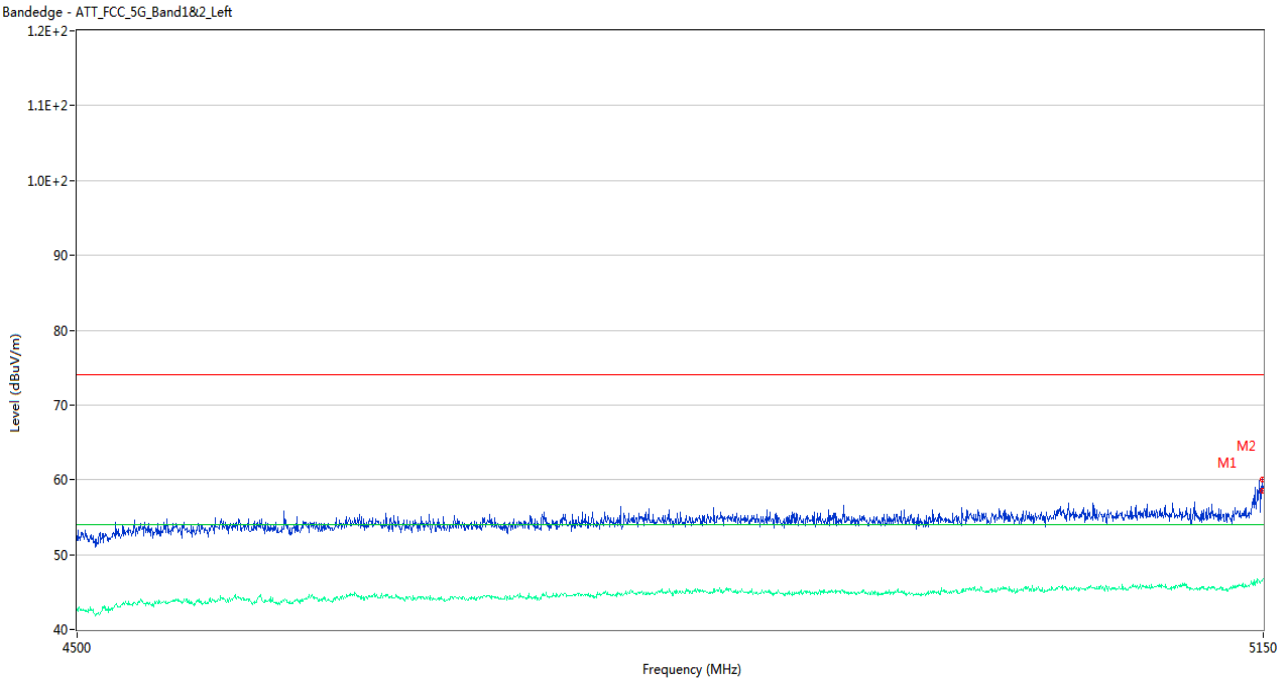
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5099.950	57.49	2.36	74.0	16.51	Peak	54.00	200	Vertical	Pass
1**	5099.950	45.81	2.36	54.0	8.19	AV	54.00	200	Vertical	Pass
2	5149.675	55.72	2.07	74.0	18.28	Peak	61.00	150	Vertical	Pass
2**	5149.675	46.05	2.07	54.0	7.95	AV	61.00	150	Vertical	Pass

U-NII-1 11a High Channel



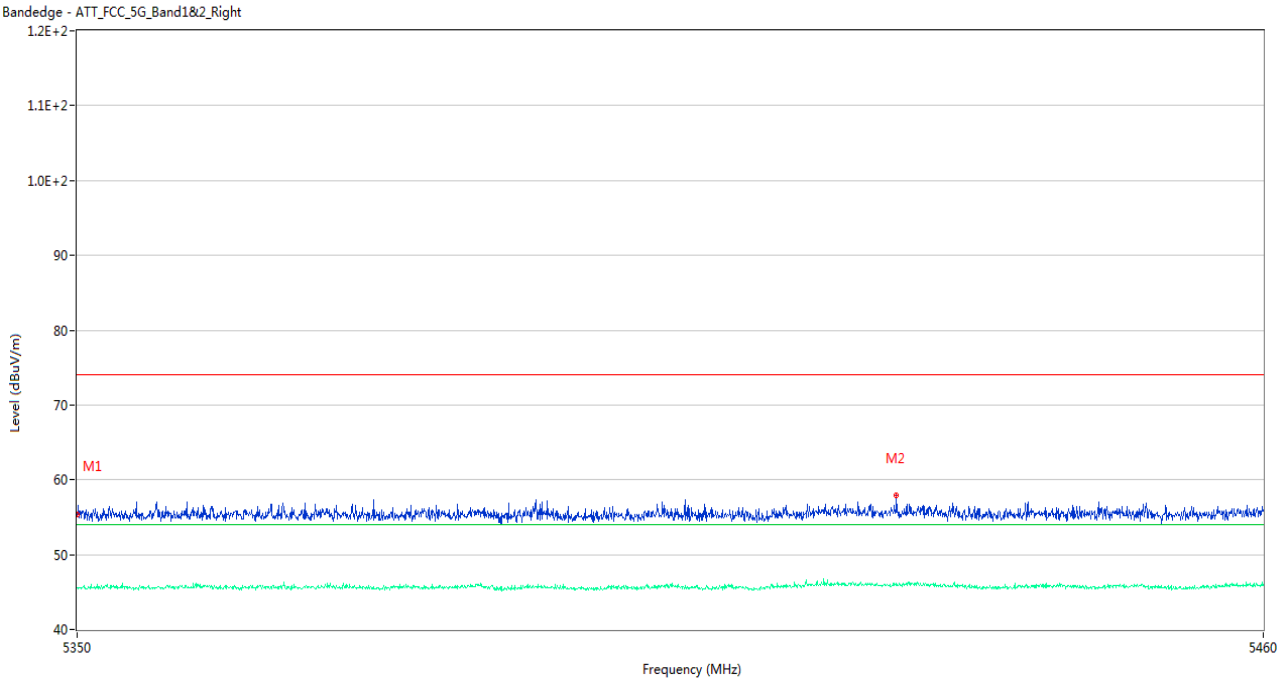
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.78	1.93	74.0	18.22	Peak	48.00	150	Vertical	Pass
1**	5350.055	45.85	1.93	54.0	8.15	AV	48.00	150	Vertical	Pass
2	5425.460	57.50	2.36	74.0	16.50	Peak	330.00	150	Vertical	Pass
2**	5425.460	45.98	2.36	54.0	8.02	AV	330.00	150	Vertical	Pass

U-NII-1 11n20 Low Channel



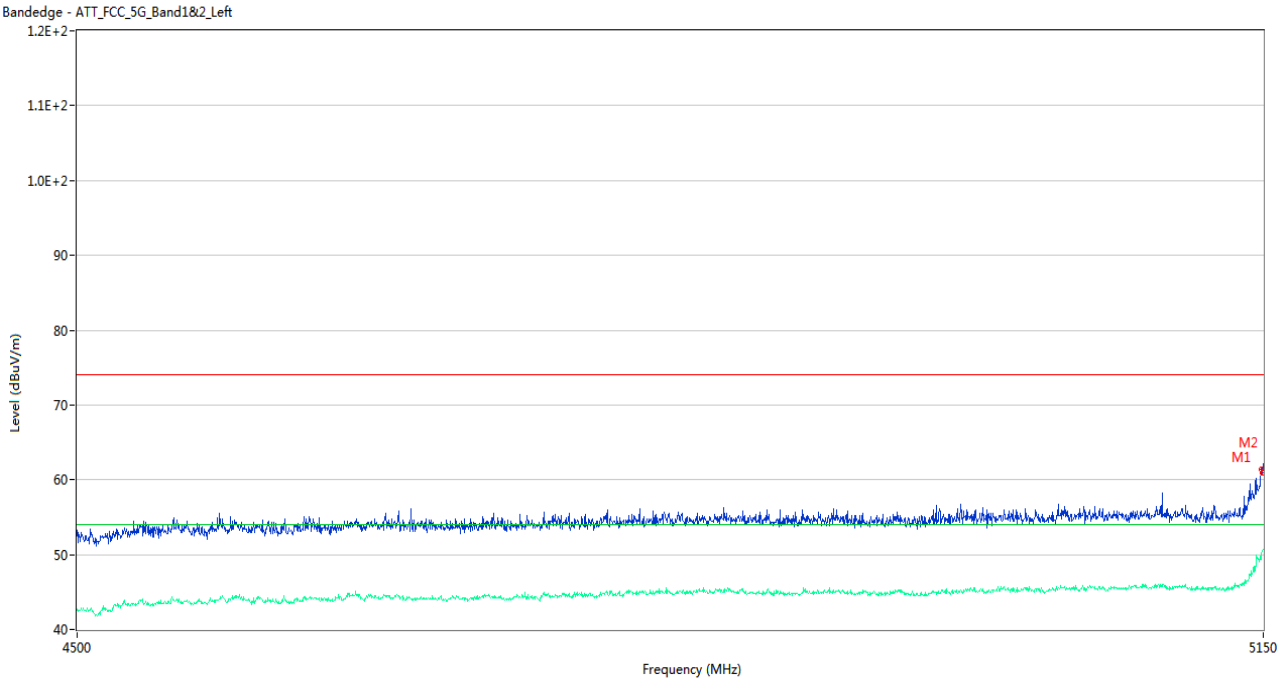
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.350	59.99	2.05	74.0	14.01	Peak	352.00	100	Vertical	Pass
1**	5149.350	46.58	2.05	54.0	7.42	AV	352.00	100	Vertical	Pass
2	5149.675	58.50	2.07	74.0	15.50	Peak	360.00	100	Vertical	Pass
2**	5149.675	46.53	2.07	54.0	7.47	AV	360.00	100	Vertical	Pass

U-NII-1 11n20 High Channel



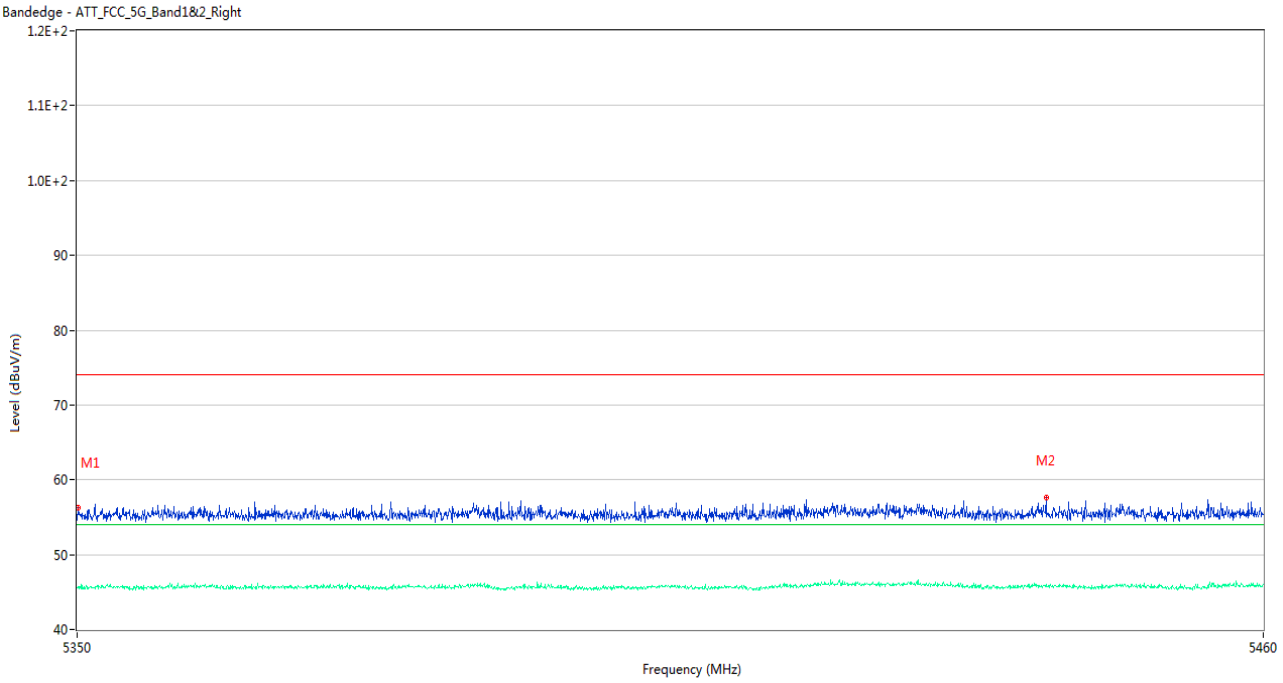
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.42	1.93	74.0	18.58	Peak	340.00	150	Vertical	Pass
1**	5350.000	45.53	1.93	54.0	8.47	AV	340.00	150	Vertical	Pass
2	5425.735	57.95	2.38	74.0	16.05	Peak	360.00	200	Vertical	Pass
2**	5425.735	45.87	2.38	54.0	8.13	AV	360.00	200	Vertical	Pass

U-NII-1 11n40 Low Channel



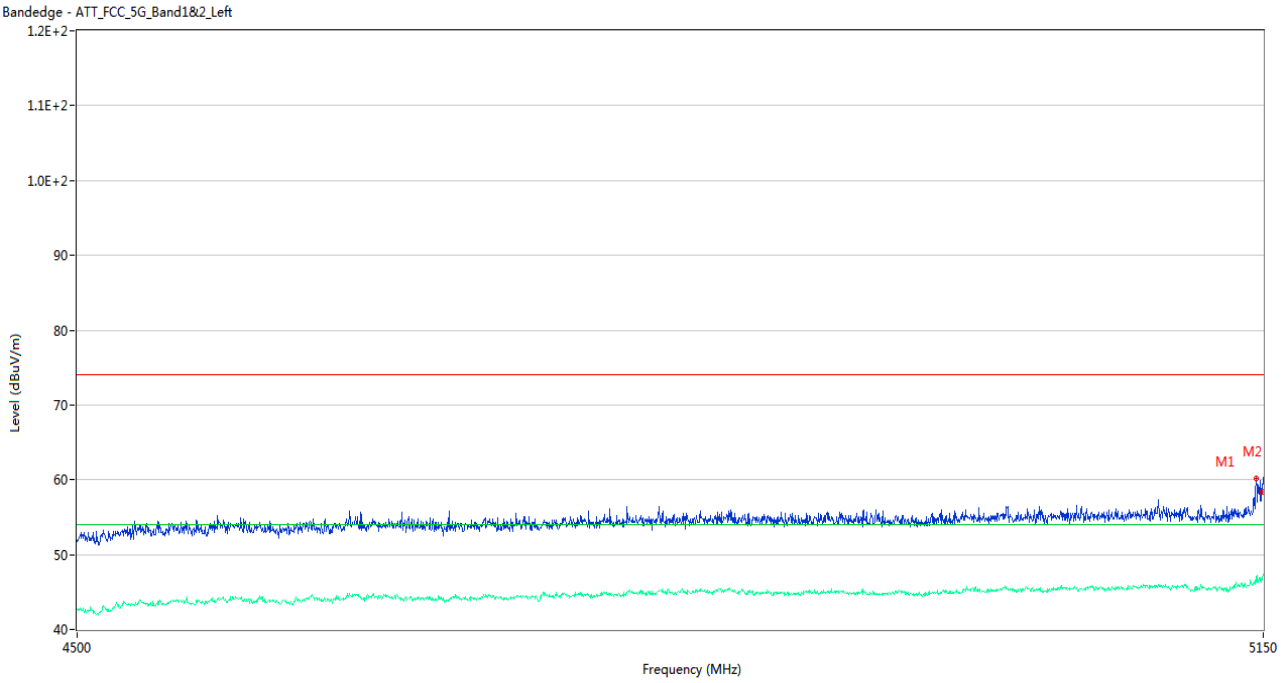
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	61.35	2.02	74.0	12.65	Peak	354.00	200	Vertical	Pass
1**	5149.025	50.05	2.02	54.0	3.95	AV	354.00	200	Vertical	Pass
2	5149.675	60.95	2.07	74.0	13.05	Peak	0.00	100	Vertical	Pass
2**	5149.675	50.55	2.07	54.0	3.45	AV	0.00	100	Vertical	Pass

U-NII-1 11n40 High Channel



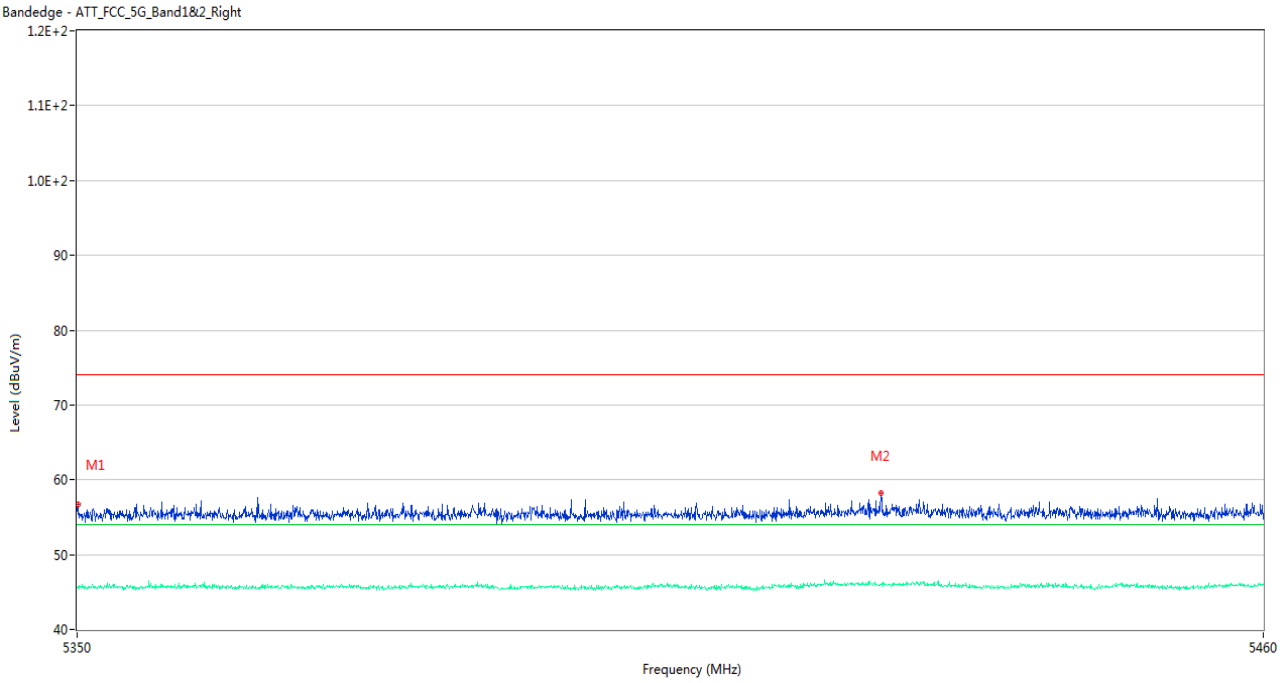
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.24	1.93	74.0	17.76	Peak	259.00	200	Vertical	Pass
1**	5350.055	45.56	1.93	54.0	8.44	AV	259.00	200	Vertical	Pass
2	5439.705	57.67	2.32	74.0	16.33	Peak	37.00	150	Vertical	Pass
2**	5439.705	45.96	2.32	54.0	8.04	AV	37.00	150	Vertical	Pass

U-NII-1 11ac20 Low Channel



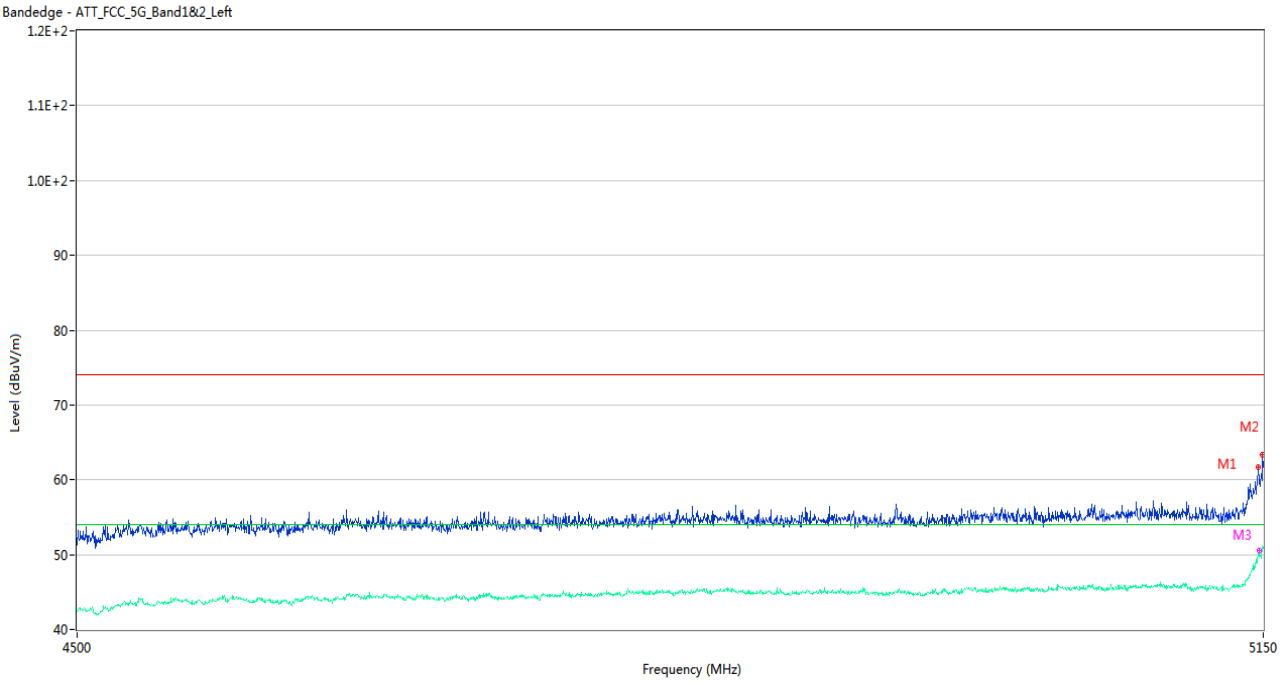
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.775	60.23	2.27	74.0	13.77	Peak	344.00	100	Vertical	Pass
1**	5145.775	46.45	2.27	54.0	7.55	AV	344.00	100	Vertical	Pass
2	5149.675	58.43	2.07	74.0	15.57	Peak	356.00	150	Vertical	Pass
2**	5149.675	46.91	2.07	54.0	7.09	AV	356.00	150	Vertical	Pass

U-NII-1 11ac20 High Channel



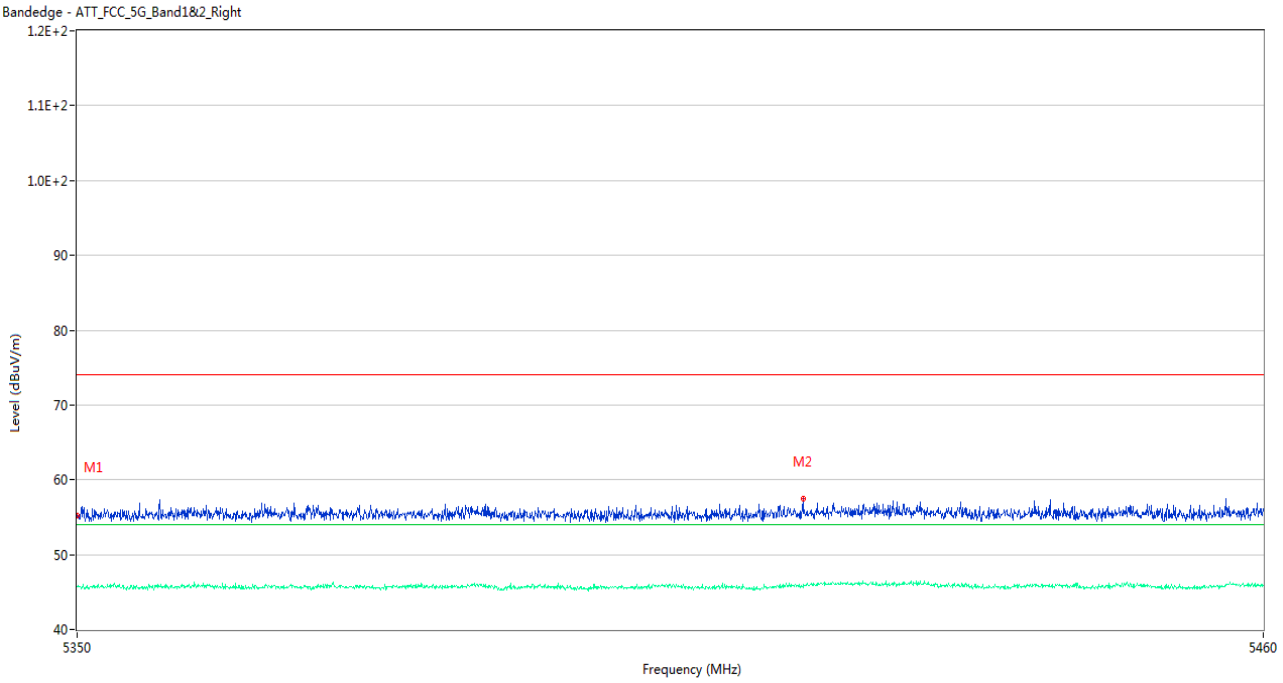
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.73	1.93	74.0	17.27	Peak	187.00	100	Vertical	Pass
1**	5350.055	45.71	1.93	54.0	8.29	AV	187.00	100	Vertical	Pass
2	5424.305	58.26	2.39	74.0	15.74	Peak	346.00	200	Vertical	Pass
2**	5424.305	46.07	2.39	54.0	7.93	AV	346.00	200	Vertical	Pass

U-NII-1 11ac40 Low Channel



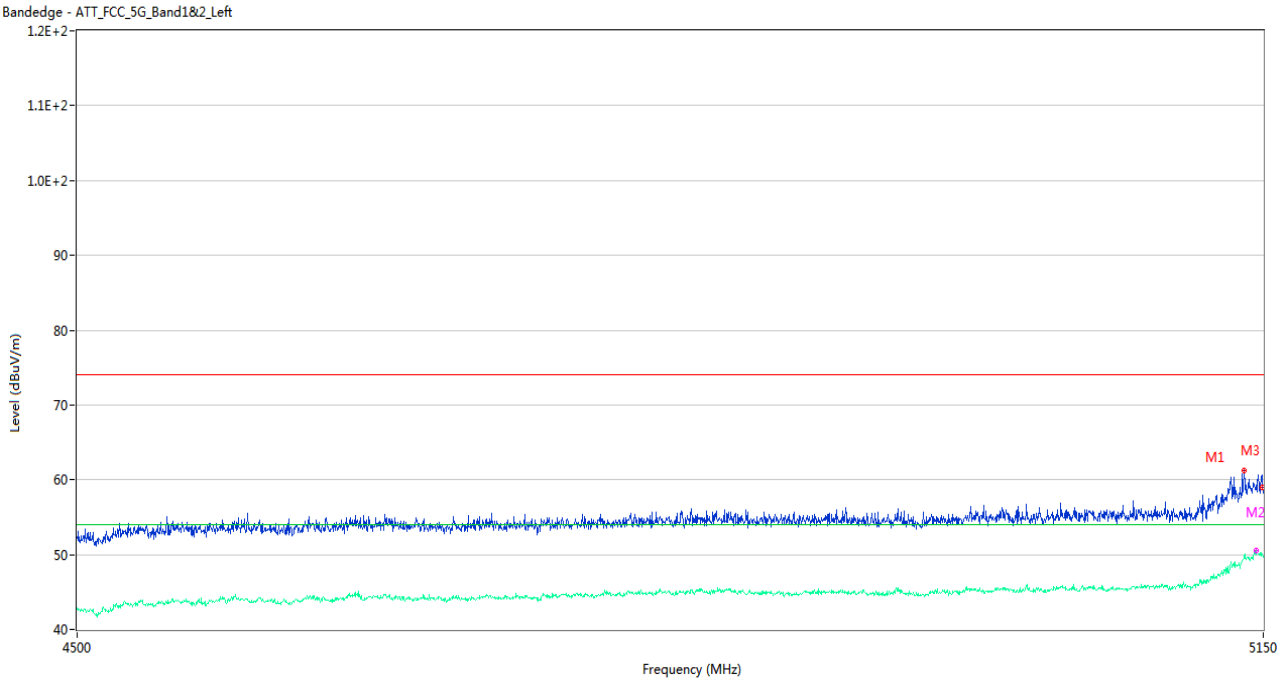
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	61.71	2.27	74.0	12.29	Peak	353.00	150	Vertical	Pass
1**	5147.075	49.91	2.27	54.0	4.09	AV	353.00	150	Vertical	Pass
2	5149.675	63.42	2.07	74.0	10.58	Peak	349.00	200	Vertical	Pass
2**	5149.675	50.45	2.07	54.0	3.55	AV	349.00	200	Vertical	Pass
3	5147.400	59.73	2.23	74.0	14.27	Peak	347.00	150	Vertical	Pass
3**	5147.400	50.50	2.23	54.0	3.50	AV	347.00	150	Vertical	Pass

U-NII-1 11ac40 High Channel



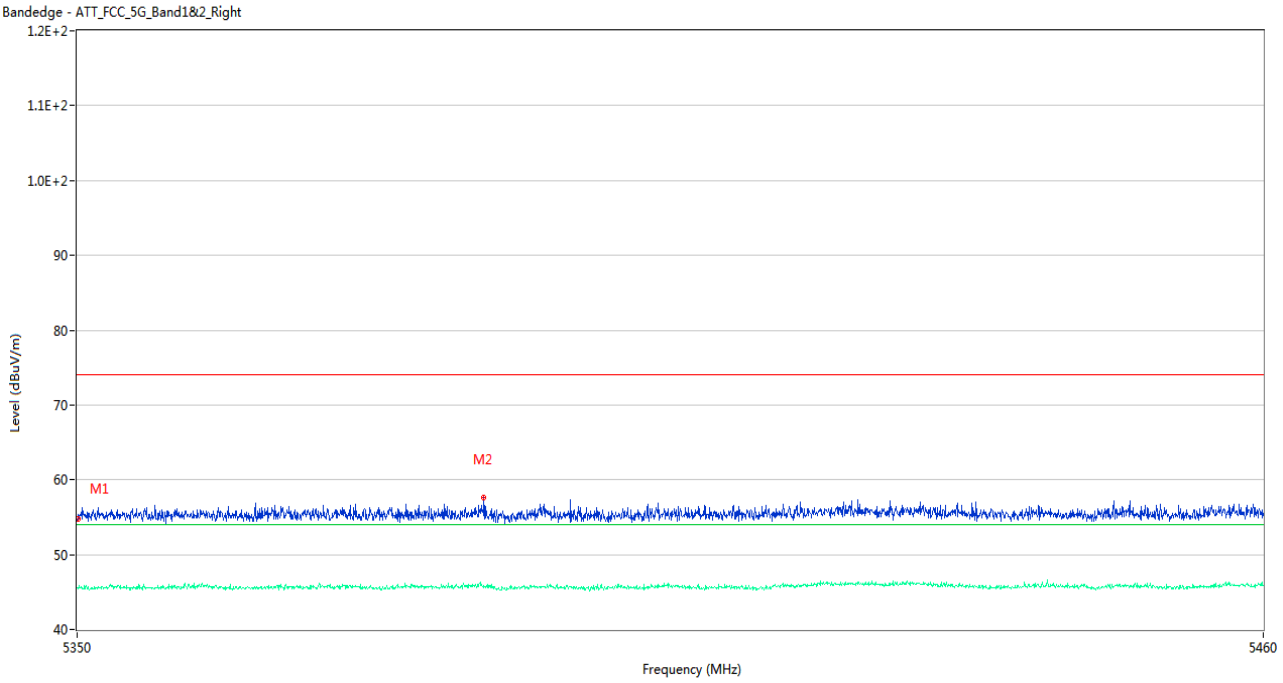
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.19	1.93	74.0	18.81	Peak	297.00	200	Vertical	Pass
1**	5350.000	45.66	1.93	54.0	8.34	AV	297.00	200	Vertical	Pass
2	5417.045	57.47	2.20	74.0	16.53	Peak	213.00	100	Vertical	Pass
2**	5417.045	45.62	2.20	54.0	8.38	AV	213.00	100	Vertical	Pass

U-NII-1 11ac80 Middle Channel



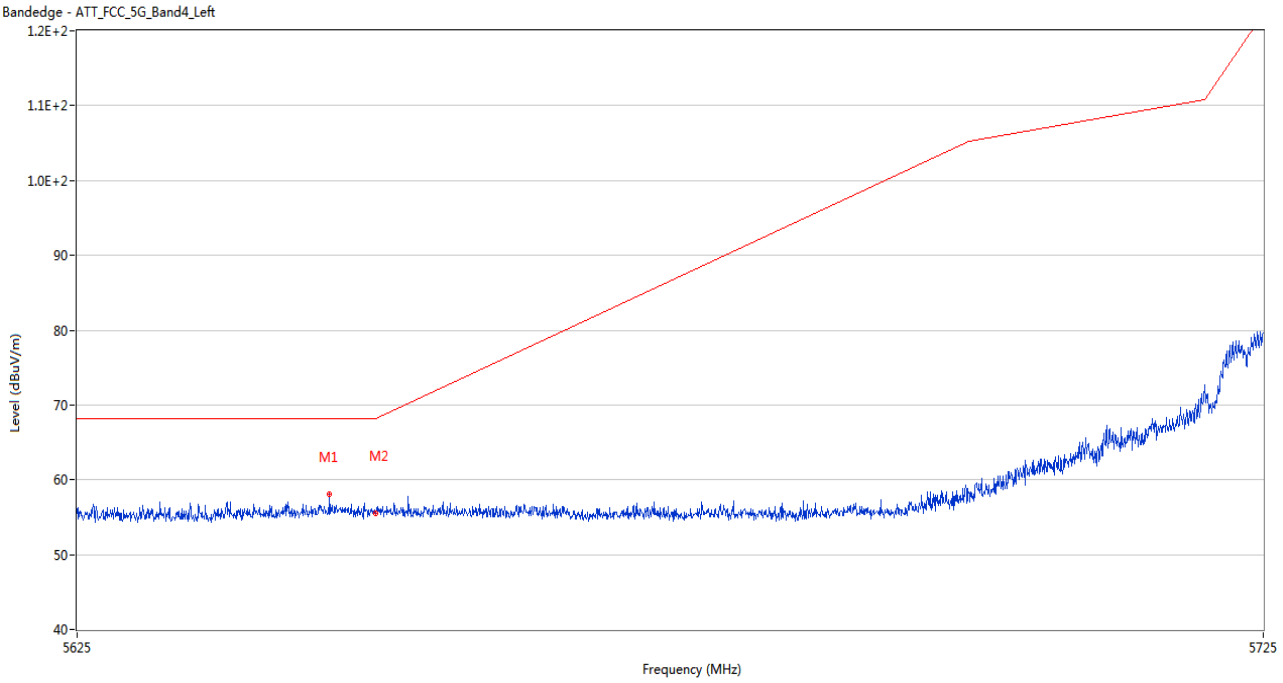
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5138.625	61.32	2.38	74.0	12.68	Peak	351.00	200	Vertical	Pass
1**	5138.625	49.42	2.38	54.0	4.58	AV	351.00	200	Vertical	Pass
2	5146.100	59.34	2.28	74.0	14.66	Peak	355.00	150	Vertical	Pass
2**	5146.100	50.59	2.28	54.0	3.41	AV	355.00	150	Vertical	Pass
3	5149.675	58.92	2.07	74.0	15.08	Peak	360.00	100	Vertical	Pass
3**	5149.675	50.12	2.07	54.0	3.88	AV	360.00	100	Vertical	Pass

U-NII-1 11ac80 Middle Channel



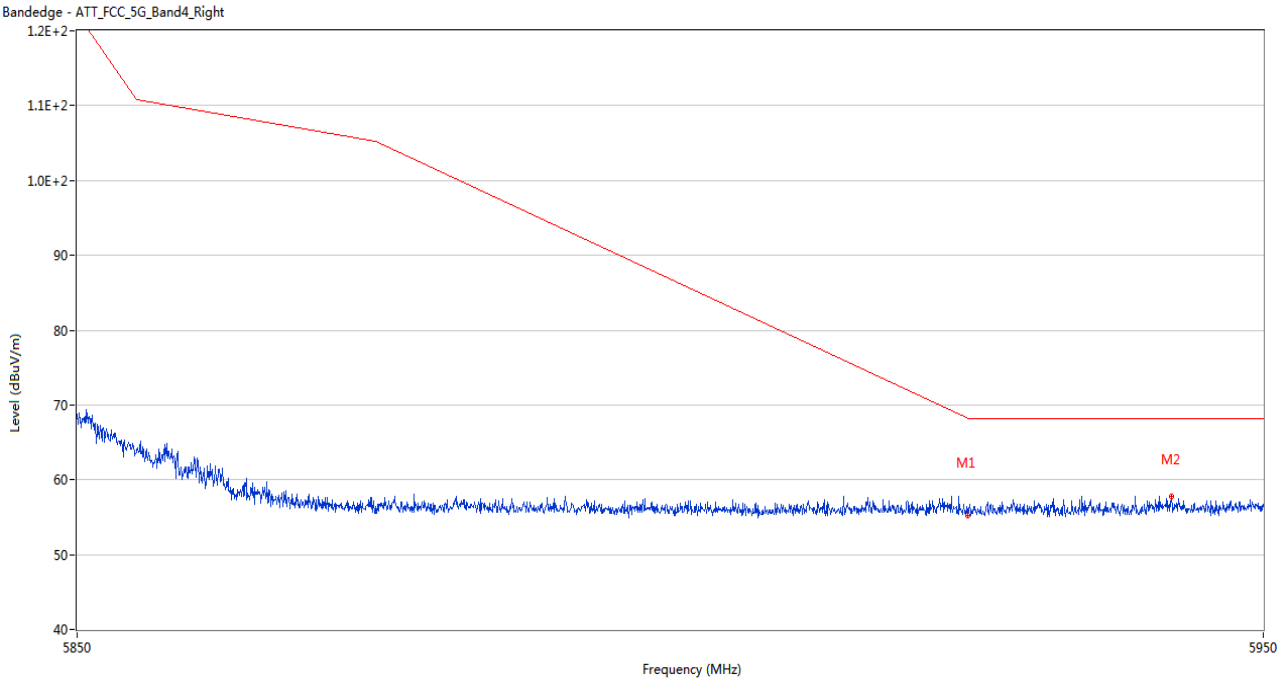
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.78	1.93	74.0	19.22	Peak	263.00	100	Vertical	Pass
1**	5350.055	45.56	1.93	54.0	8.44	AV	263.00	100	Vertical	Pass
2	5387.455	57.70	2.26	74.0	16.30	Peak	102.00	200	Vertical	Pass
2**	5387.455	45.65	2.26	54.0	8.35	AV	102.00	200	Vertical	Pass

U-NII-3 11a Low Channel



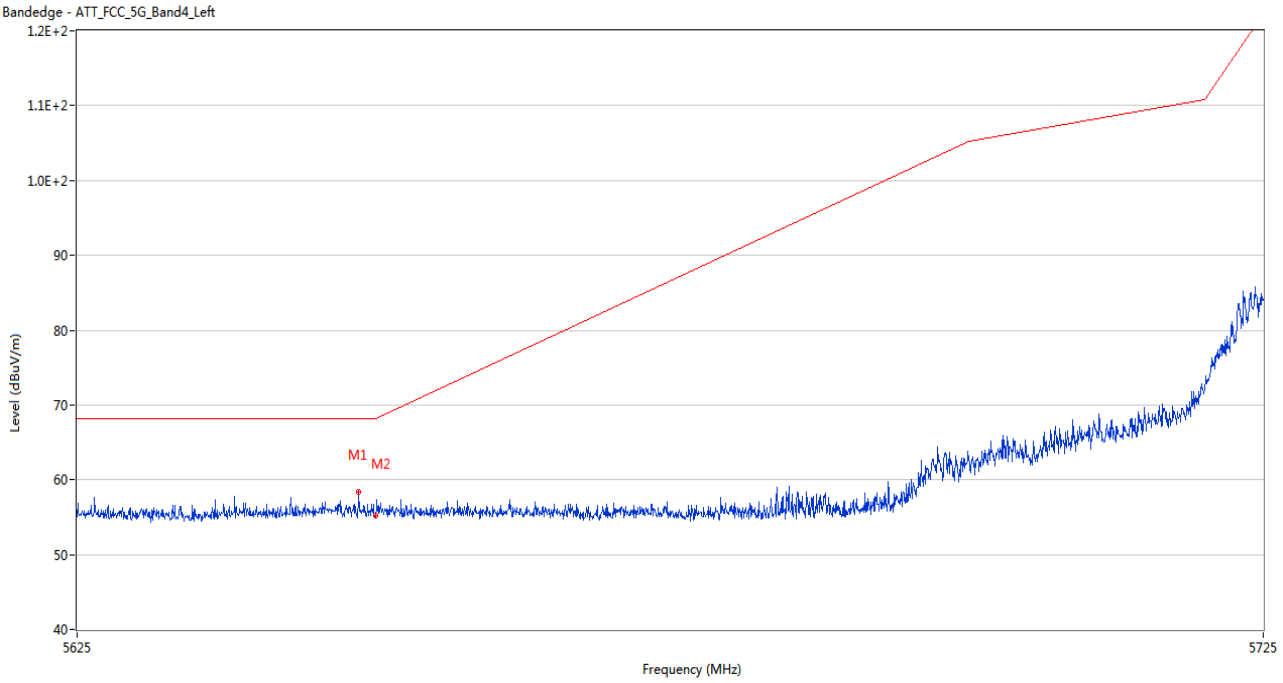
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.150	58.12	2.71	68.2	10.08	Peak	211.00	150	Vertical	Pass
2	5650.000	55.51	2.54	68.2	12.69	Peak	228.00	100	Vertical	Pass

U-NII-3 11a High Channel



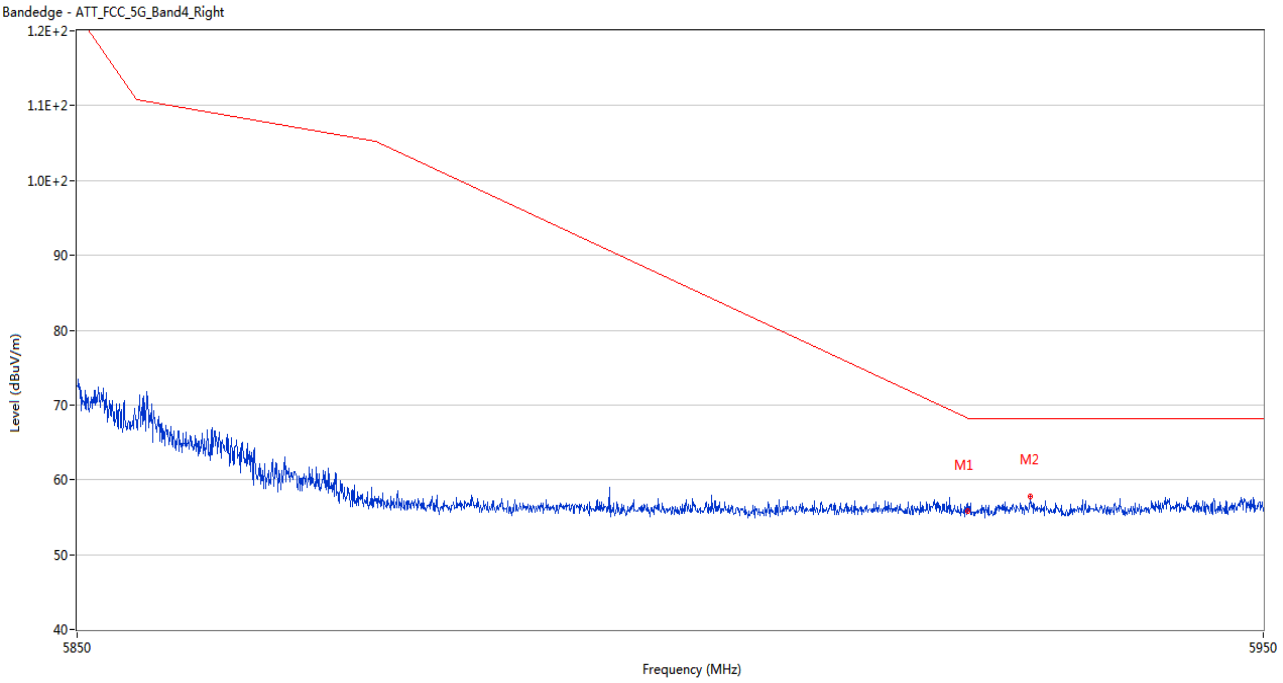
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.23	2.32	68.2	12.97	Peak	360.00	150	Vertical	Pass
2	5942.200	57.82	2.77	68.2	10.38	Peak	45.00	100	Vertical	Pass

U-NII-3 11n20 Low Channel



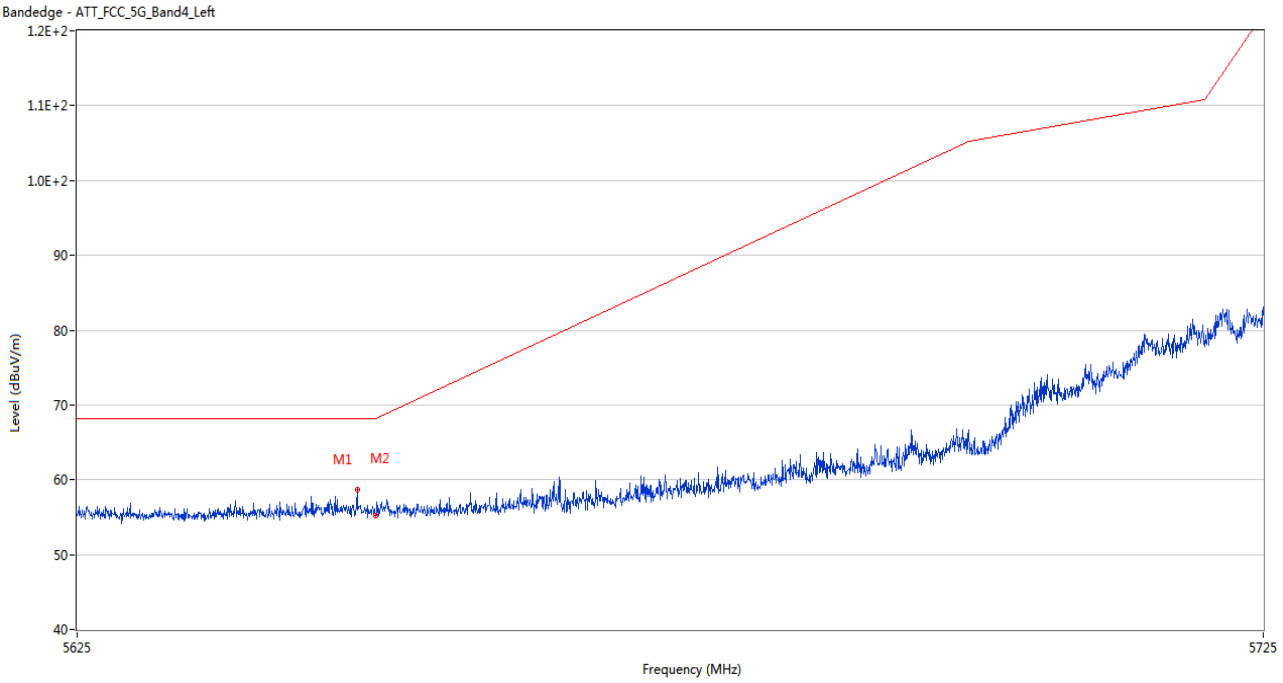
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.600	58.37	2.51	68.2	9.83	Peak	131.00	200	Vertical	Pass
2	5650.000	55.20	2.54	68.2	13.00	Peak	346.00	200	Vertical	Pass

U-NII-3 11n20 High Channel



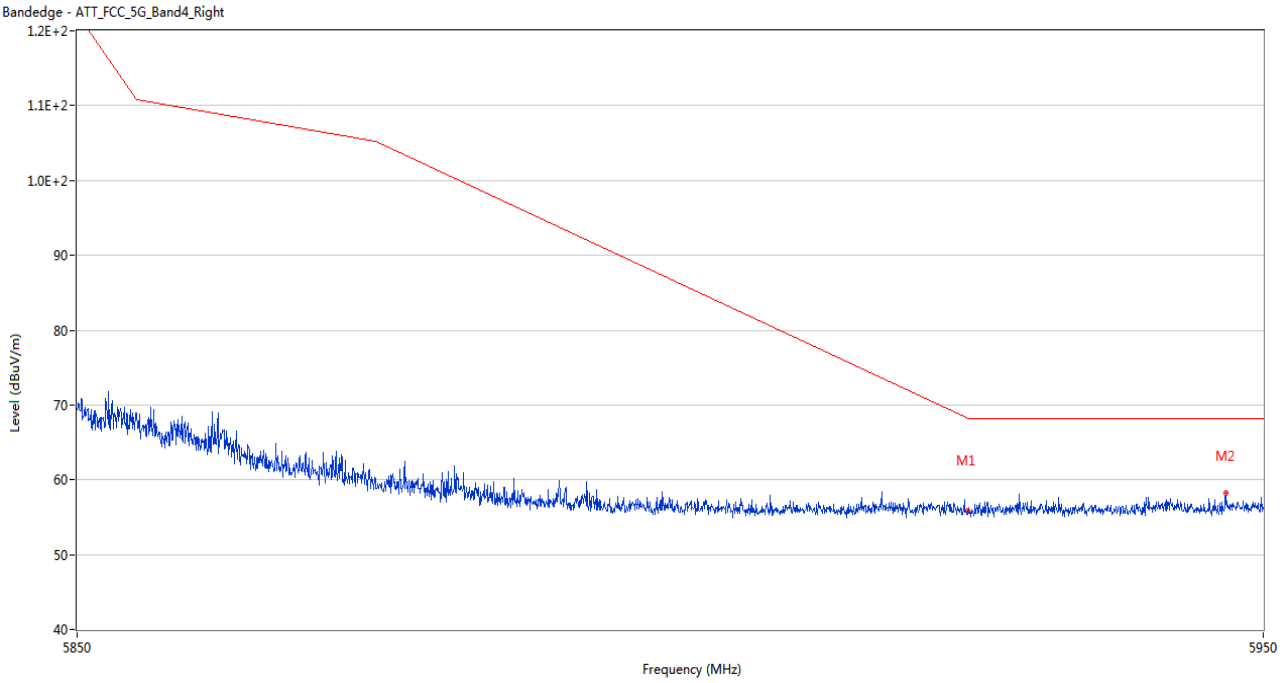
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.81	2.32	68.2	12.39	Peak	109.00	200	Vertical	Pass
2	5930.250	57.71	2.59	68.2	10.49	Peak	220.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel



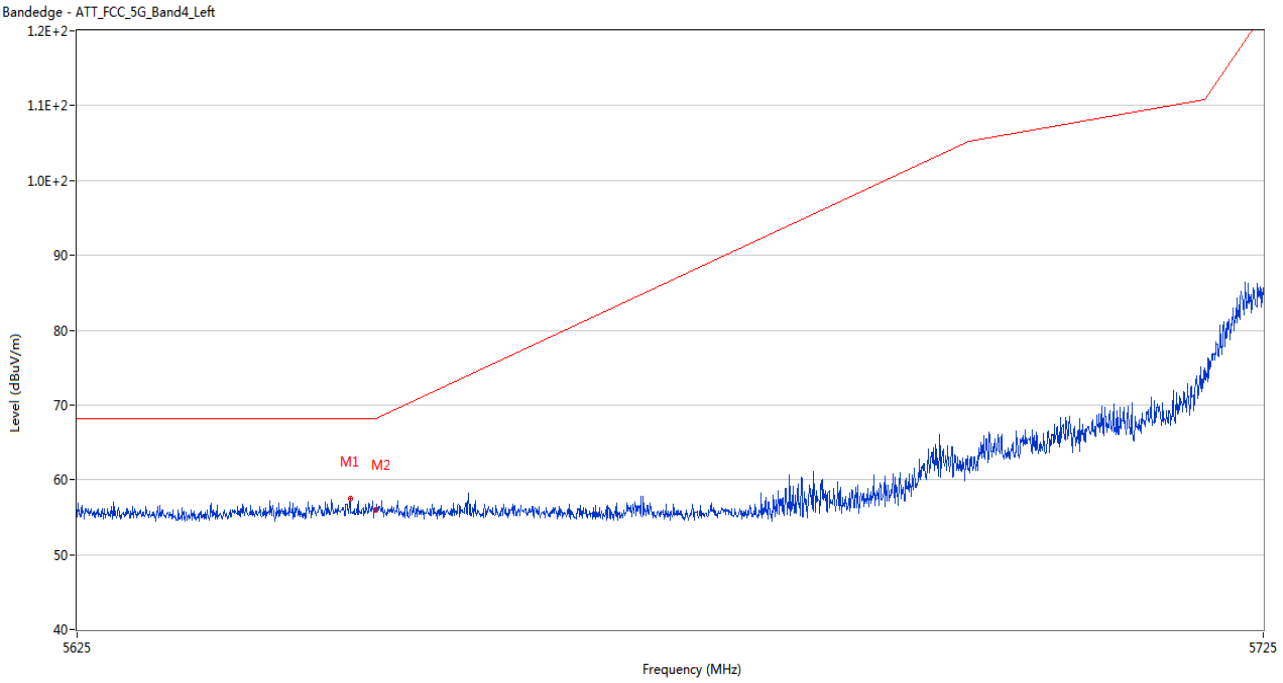
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.450	58.74	2.51	68.2	9.46	Peak	349.00	200	Vertical	Pass
2	5650.000	55.26	2.54	68.2	12.94	Peak	198.00	150	Vertical	Pass

U-NII-3 11n40 High Channel



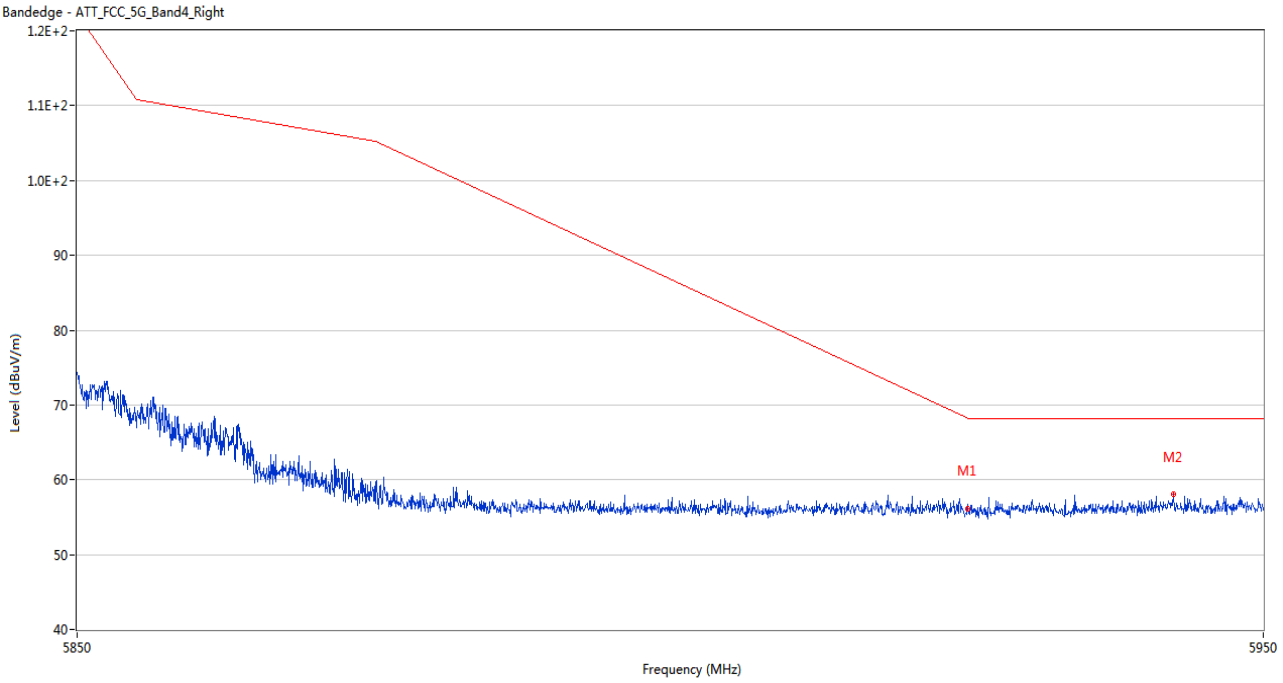
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.79	2.32	68.2	12.41	Peak	256.00	100	Vertical	Pass
2	5946.850	58.21	2.48	68.2	9.99	Peak	258.00	200	Vertical	Pass

U-NII-3 11ac20 Low Channel



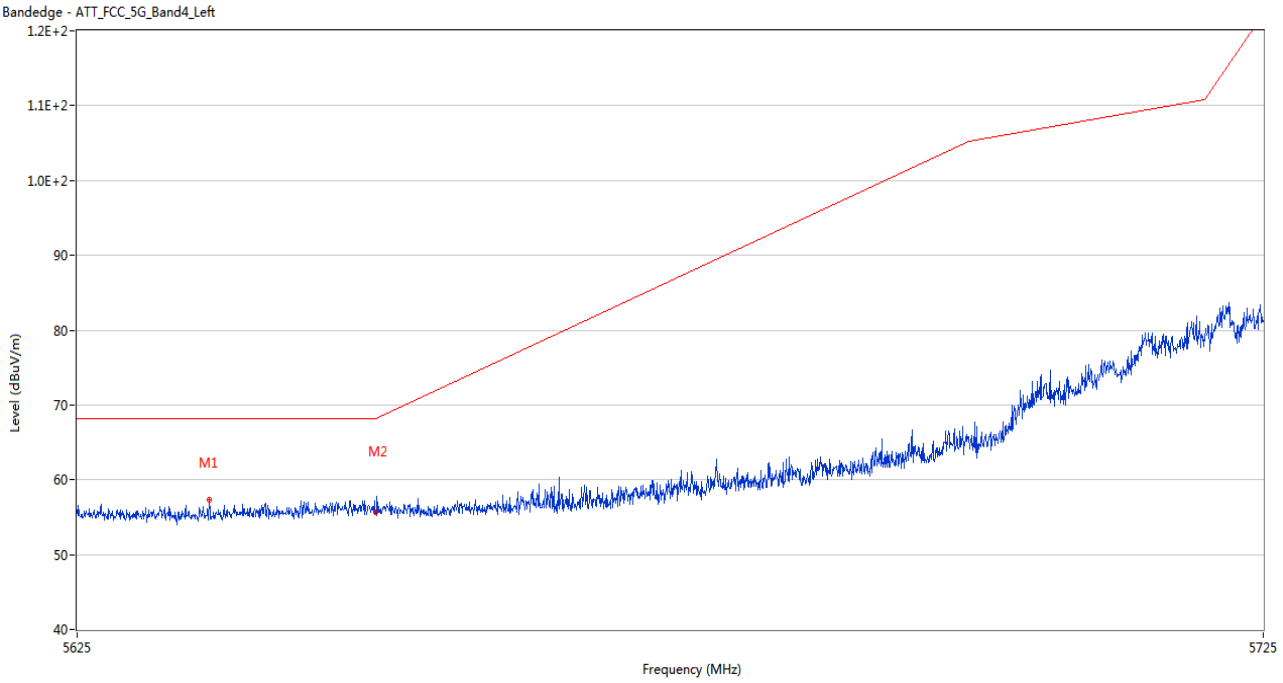
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.850	57.43	2.56	68.2	10.77	Peak	116.00	100	Vertical	Pass
2	5650.000	55.90	2.54	68.2	12.30	Peak	29.00	150	Vertical	Pass

U-NII-3 11ac20 High Channel



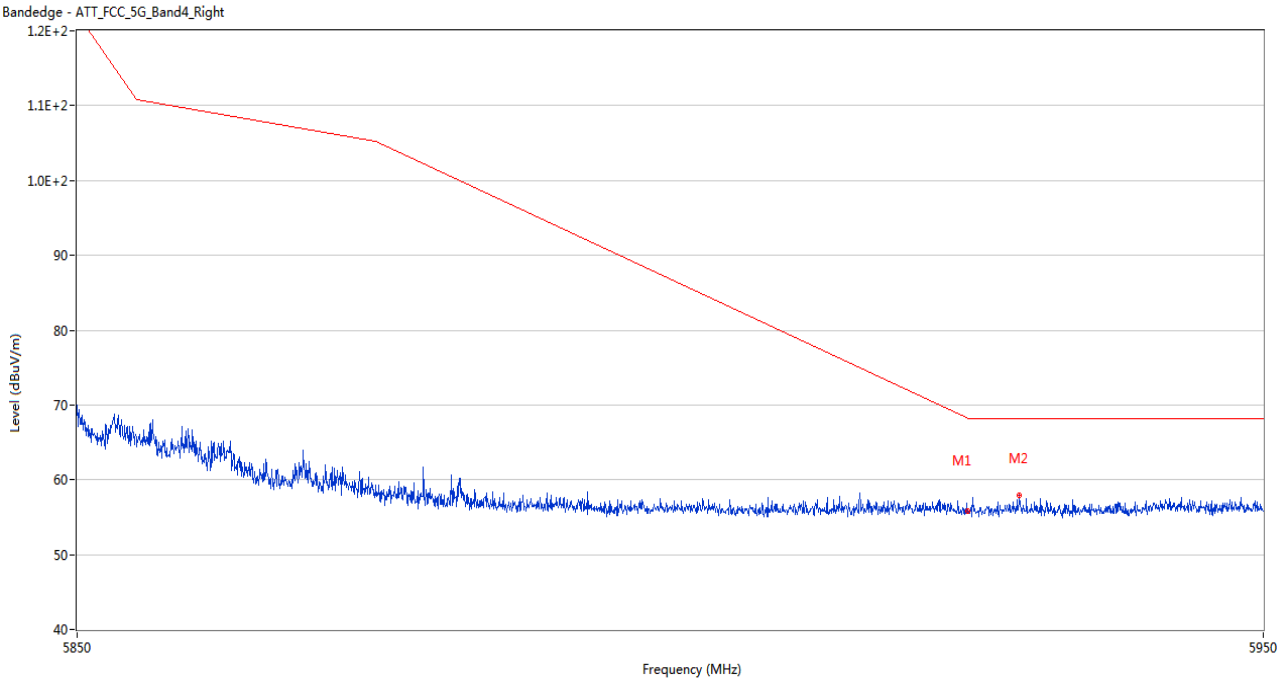
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.19	2.32	68.2	12.01	Peak	93.00	150	Vertical	Pass
2	5942.350	58.12	2.74	68.2	10.08	Peak	293.00	100	Vertical	Pass

U-NII-3 11ac40 Low Channel



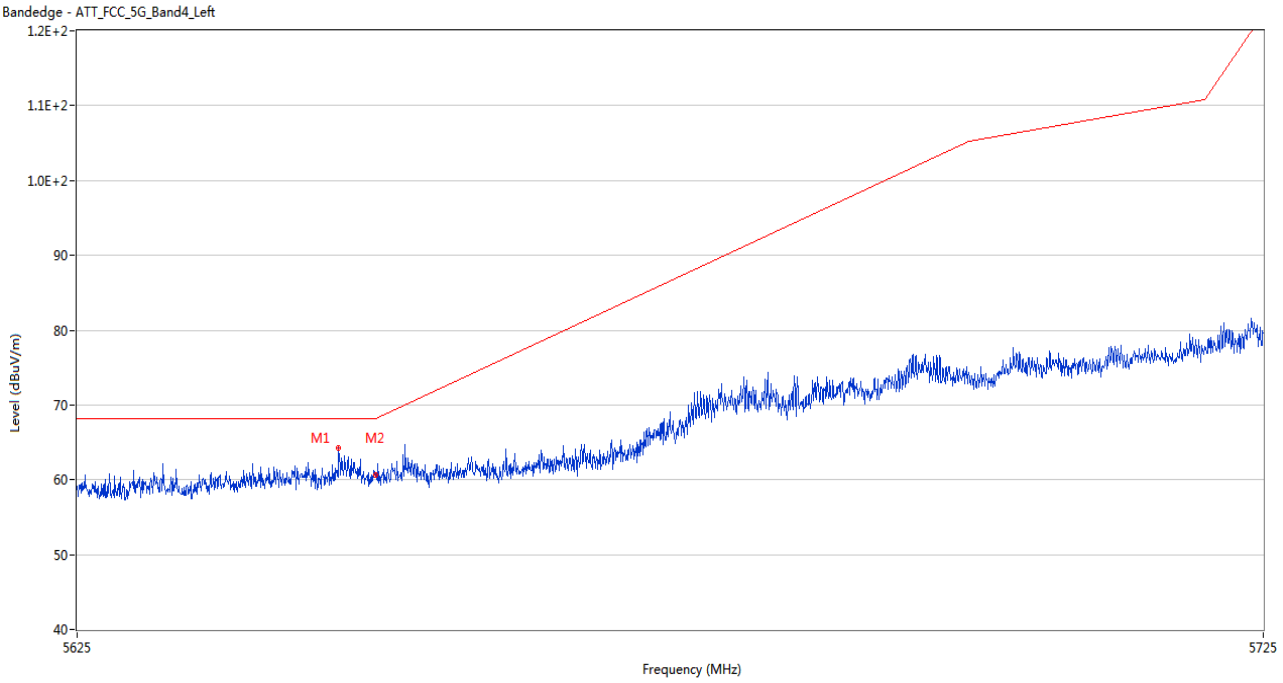
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5636.050	57.36	2.09	68.2	10.84	Peak	264.00	150	Vertical	Pass
2	5650.000	55.68	2.54	68.2	12.52	Peak	349.00	100	Vertical	Pass

U-NII-3 11ac40 High Channel



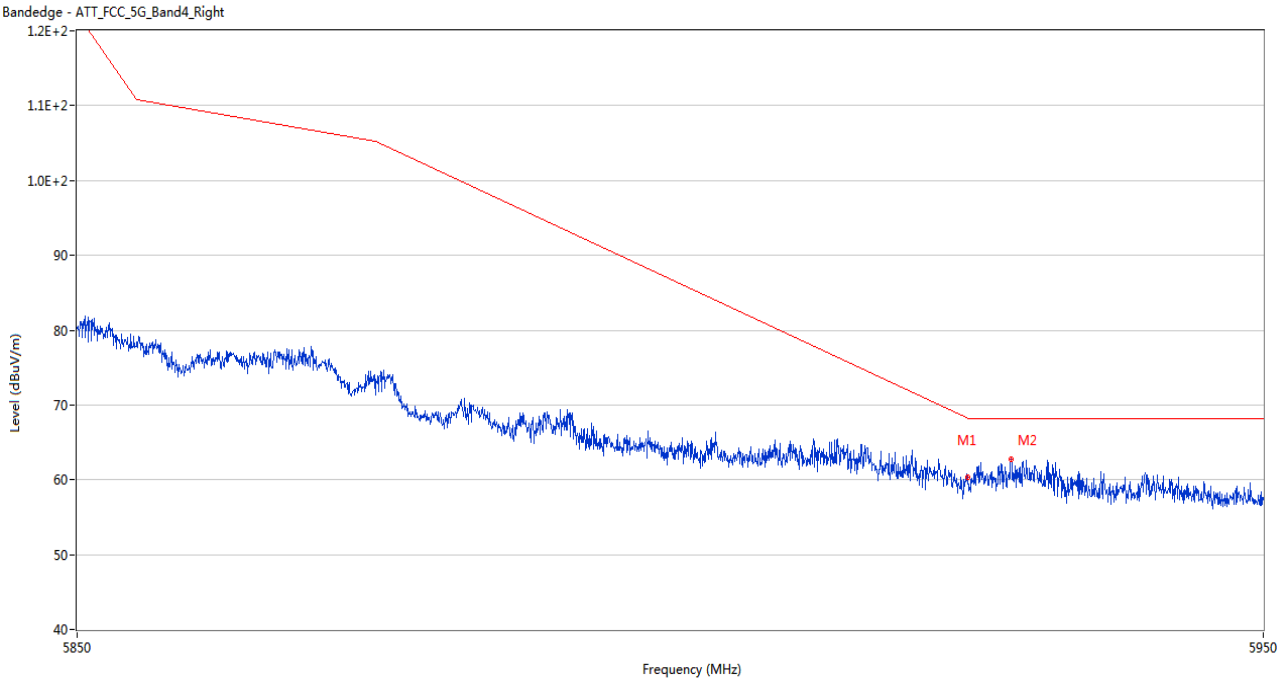
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.78	2.32	68.2	12.42	Peak	244.00	200	Vertical	Pass
2	5929.300	57.90	2.67	68.2	10.30	Peak	168.00	100	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.900	64.27	2.65	68.2	3.93	Peak	350.00	200	Vertical	Pass
2	5650.000	60.62	2.54	68.2	7.58	Peak	20.00	200	Vertical	Pass

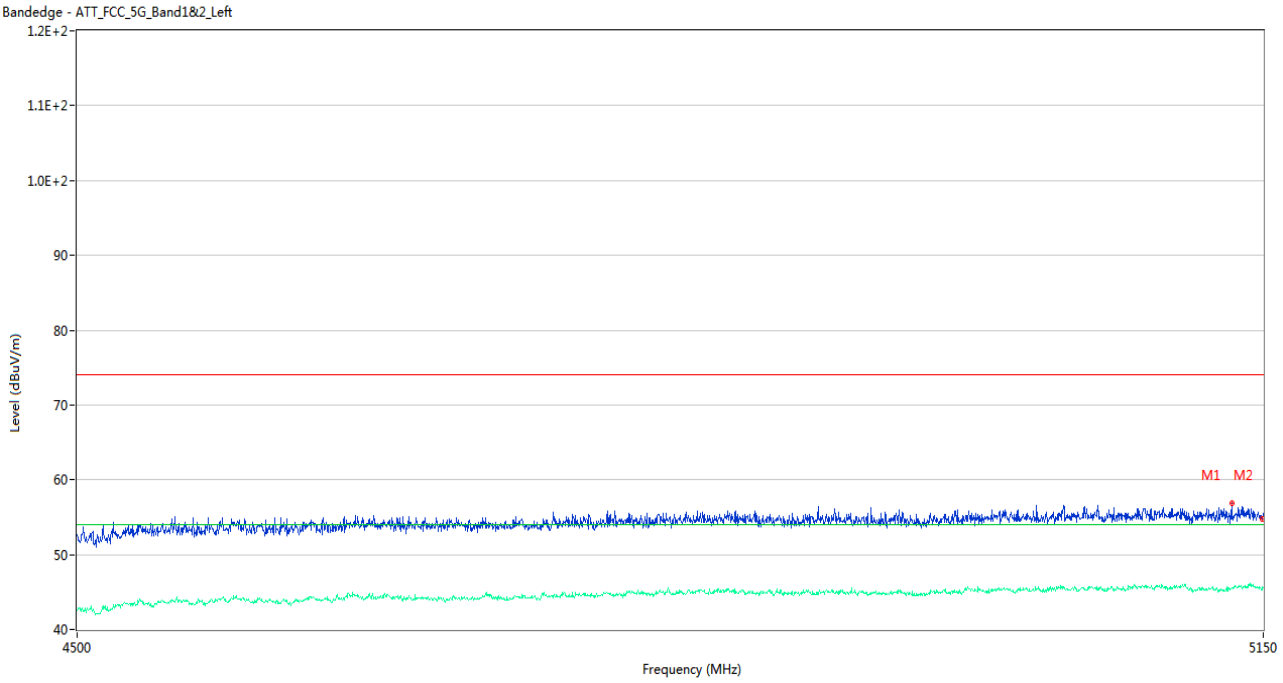
U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	60.27	2.32	68.2	7.93	Peak	17.00	200	Vertical	Pass
2	5928.600	62.69	2.66	68.2	5.51	Peak	24.00	200	Vertical	Pass

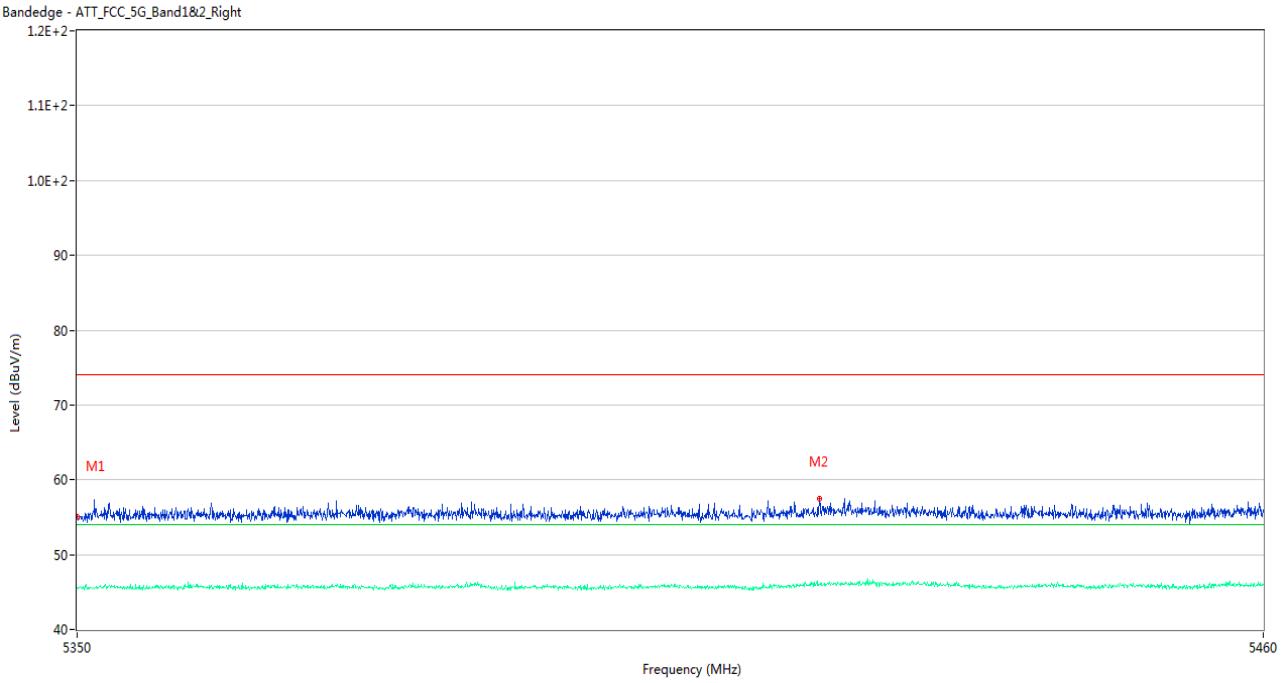
Antenna 2

U-NII-1 11a Low Channel



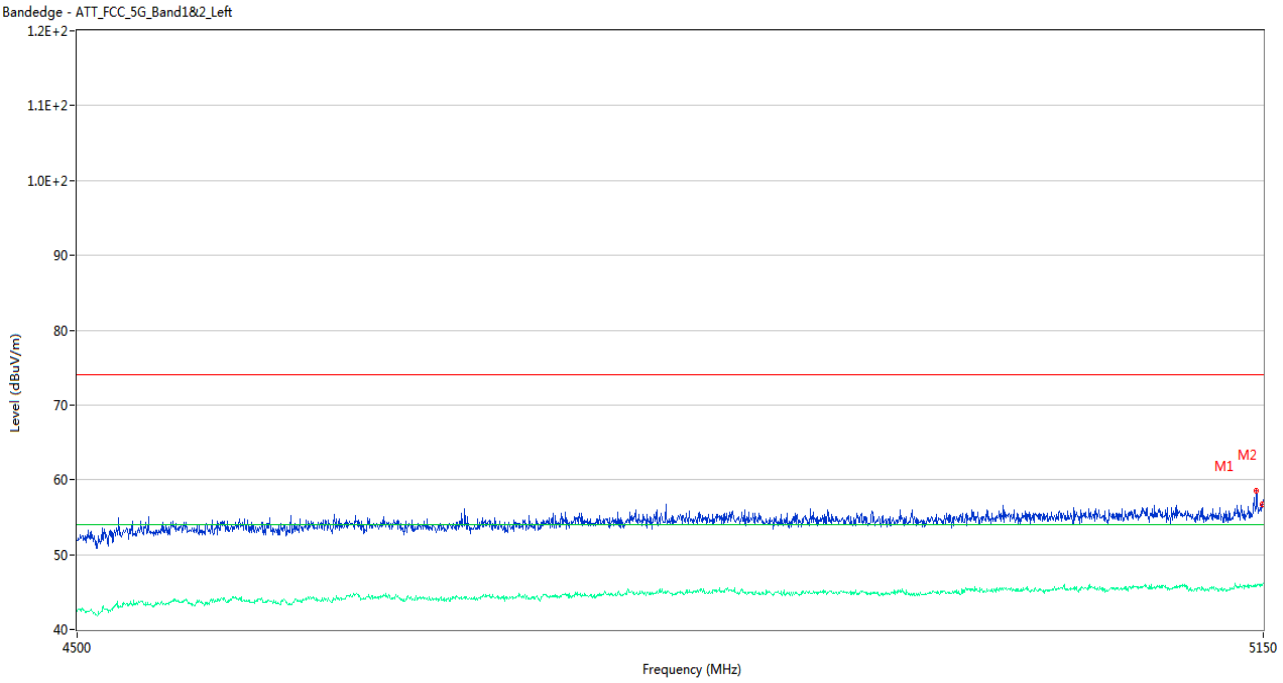
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5131.475	56.86	2.18	74.0	17.14	Peak	294.00	150	Horizontal	Pass
1**	5131.475	45.51	2.18	54.0	8.49	AV	294.00	150	Horizontal	Pass
2	5149.675	54.77	2.07	74.0	19.23	Peak	133.00	200	Horizontal	Pass
2**	5149.675	45.31	2.07	54.0	8.69	AV	133.00	200	Horizontal	Pass

U-NII-1 11a High Channel



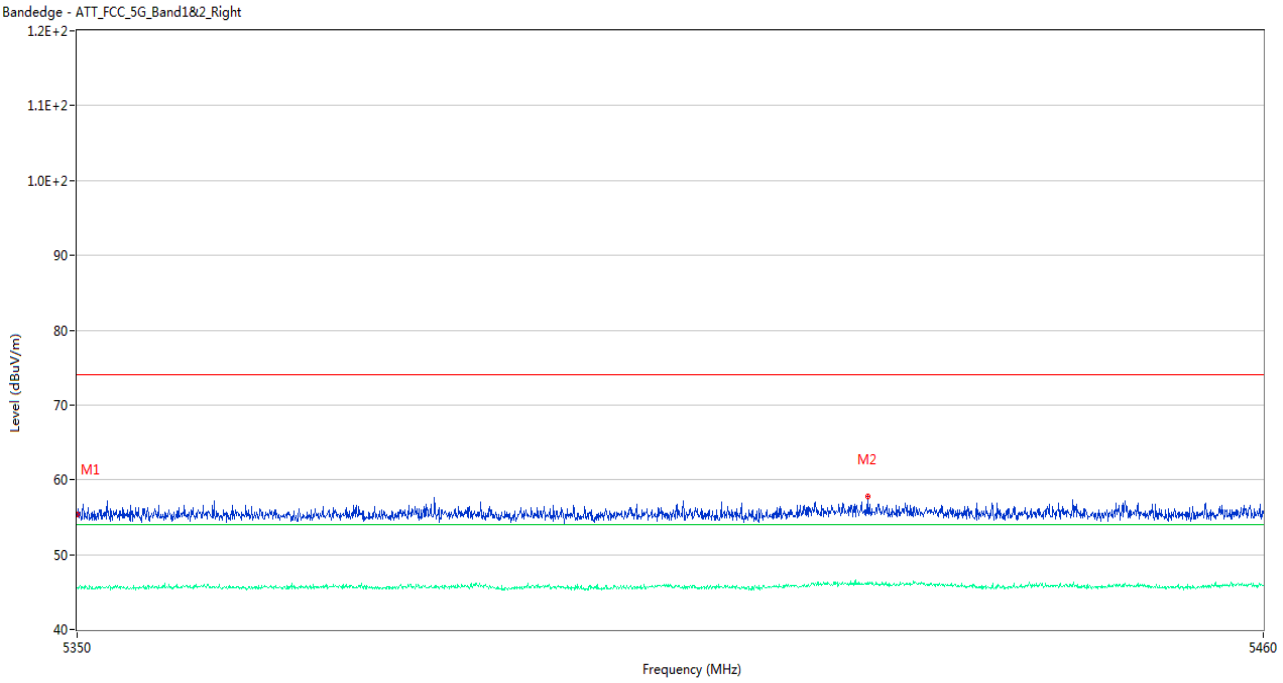
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.02	1.93	74.0	18.98	Peak	48.00	200	Horizontal	Pass
1**	5350.000	45.59	1.93	54.0	8.41	AV	48.00	200	Horizontal	Pass
2	5418.585	57.47	2.42	74.0	16.53	Peak	108.00	150	Horizontal	Pass
2**	5418.585	46.06	2.42	54.0	7.94	AV	108.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel



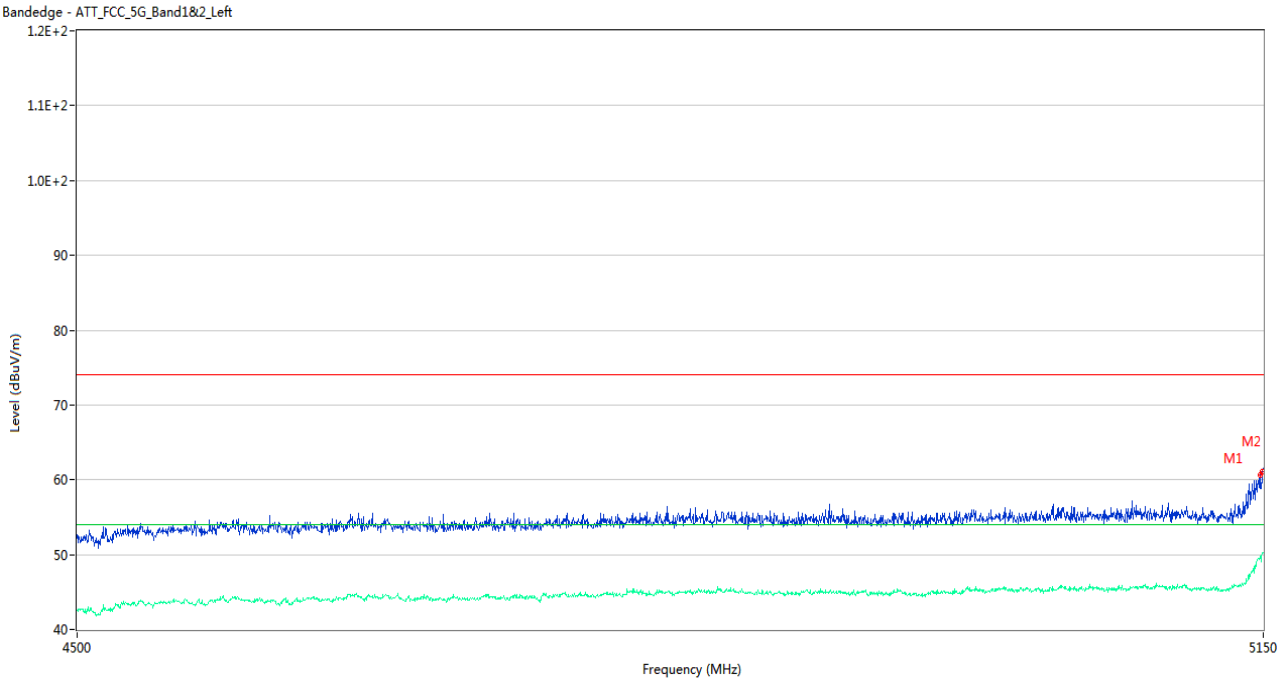
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.100	58.59	2.28	74.0	15.41	Peak	265.00	100	Horizontal	Pass
1**	5146.100	45.88	2.28	54.0	8.12	AV	265.00	100	Horizontal	Pass
2	5149.675	56.79	2.07	74.0	17.21	Peak	258.00	200	Horizontal	Pass
2**	5149.675	45.83	2.07	54.0	8.17	AV	258.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel



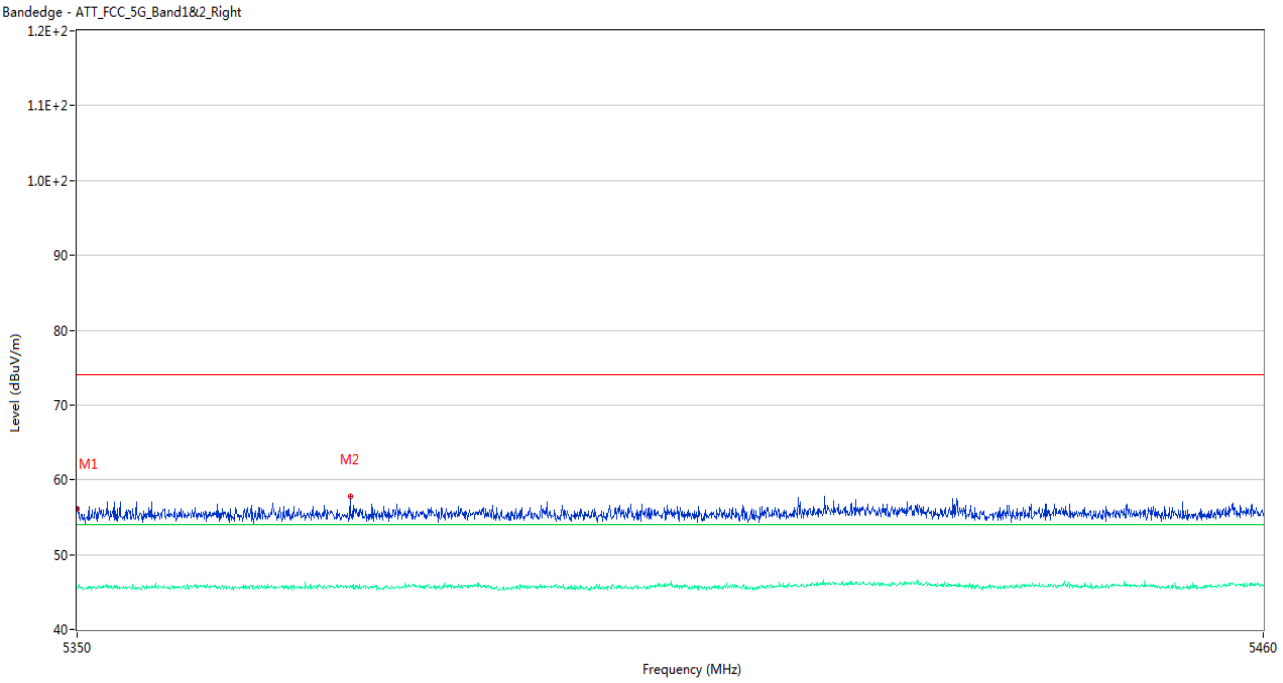
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.35	1.93	74.0	18.65	Peak	203.00	100	Horizontal	Pass
1**	5350.000	45.59	1.93	54.0	8.41	AV	203.00	100	Horizontal	Pass
2	5423.040	57.72	2.45	74.0	16.28	Peak	23.00	150	Horizontal	Pass
2**	5423.040	46.27	2.45	54.0	7.73	AV	23.00	150	Horizontal	Pass

U-NII-1 11n40 Low Channel



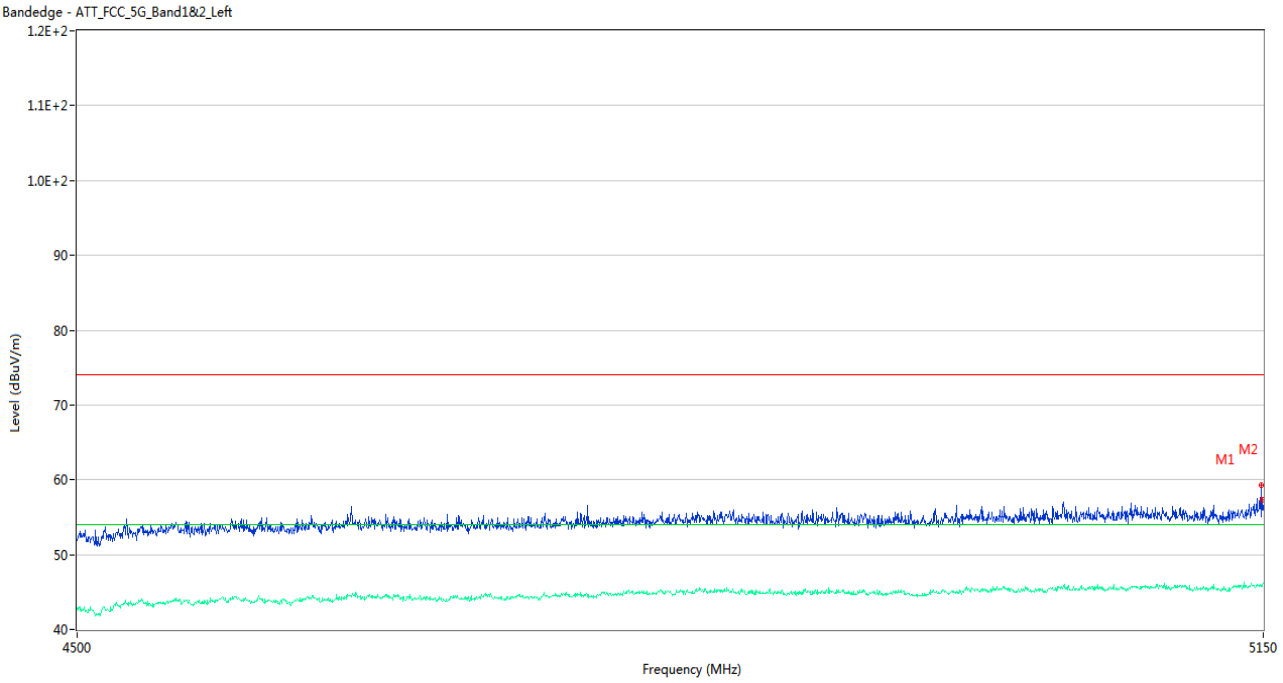
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.050	60.69	2.14	74.0	13.31	Peak	17.00	150	Horizontal	Pass
1**	5148.050	49.74	2.14	54.0	4.26	AV	17.00	150	Horizontal	Pass
2	5149.675	61.15	2.07	74.0	12.85	Peak	262.00	150	Horizontal	Pass
2**	5149.675	50.26	2.07	54.0	3.74	AV	262.00	150	Horizontal	Pass

U-NII-1 11n40 High Channel



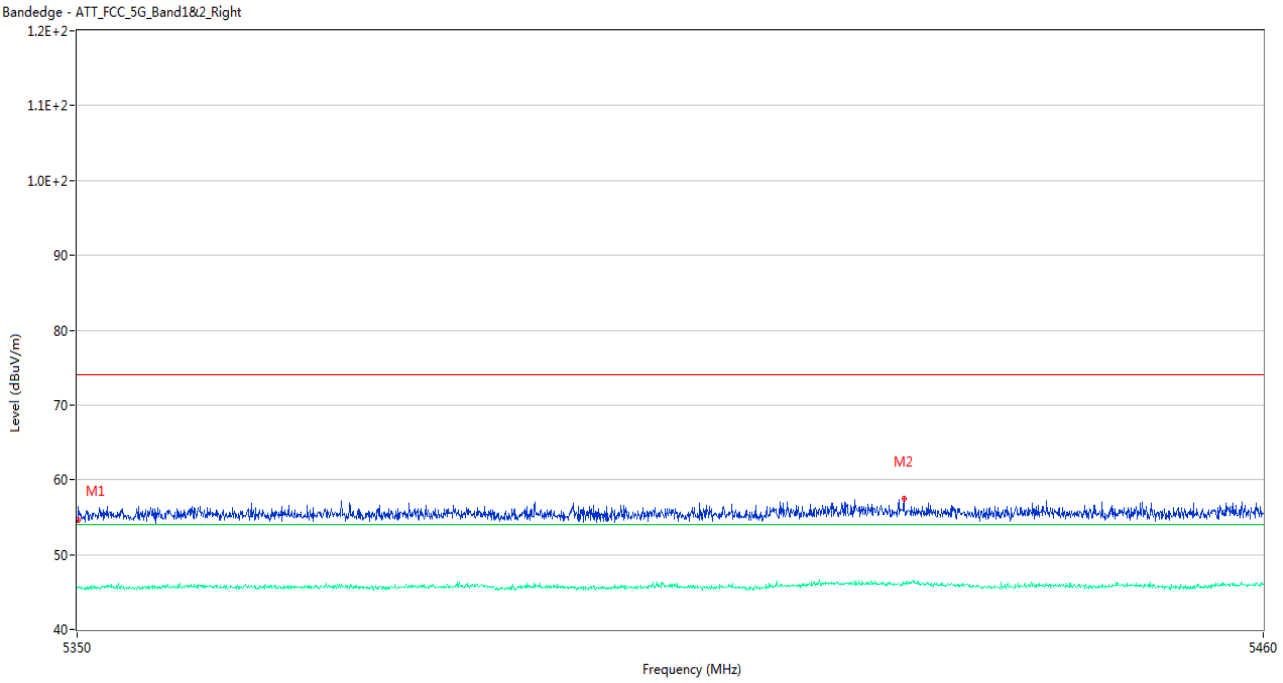
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.09	1.93	74.0	17.91	Peak	209.00	100	Horizontal	Pass
1**	5350.000	45.47	1.93	54.0	8.53	AV	209.00	100	Horizontal	Pass
2	5375.135	57.78	2.25	74.0	16.22	Peak	285.00	100	Horizontal	Pass
2**	5375.135	45.71	2.25	54.0	8.29	AV	285.00	100	Horizontal	Pass

U-NII-1 11ac20 Low Channel



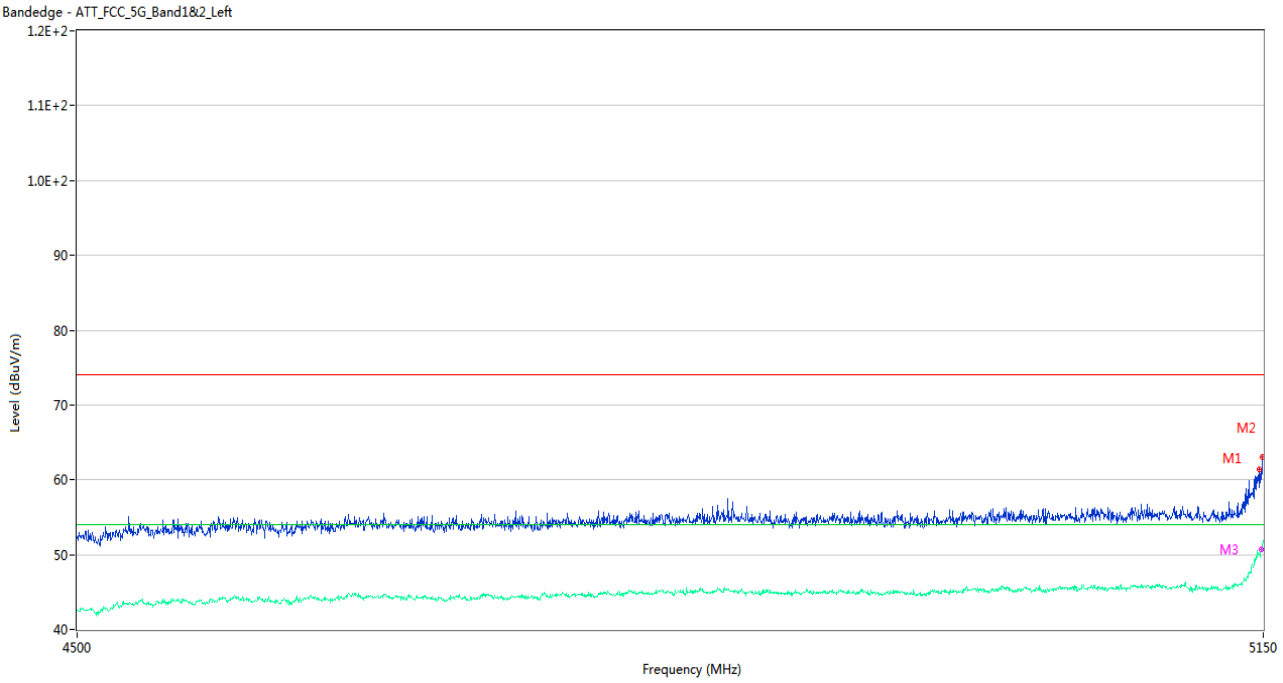
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	59.26	2.06	74.0	14.74	Peak	260.00	150	Horizontal	Pass
1**	5148.700	45.87	2.06	54.0	8.13	AV	260.00	150	Horizontal	Pass
2	5149.675	57.31	2.07	74.0	16.69	Peak	310.00	200	Horizontal	Pass
2**	5149.675	46.05	2.07	54.0	7.95	AV	310.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel



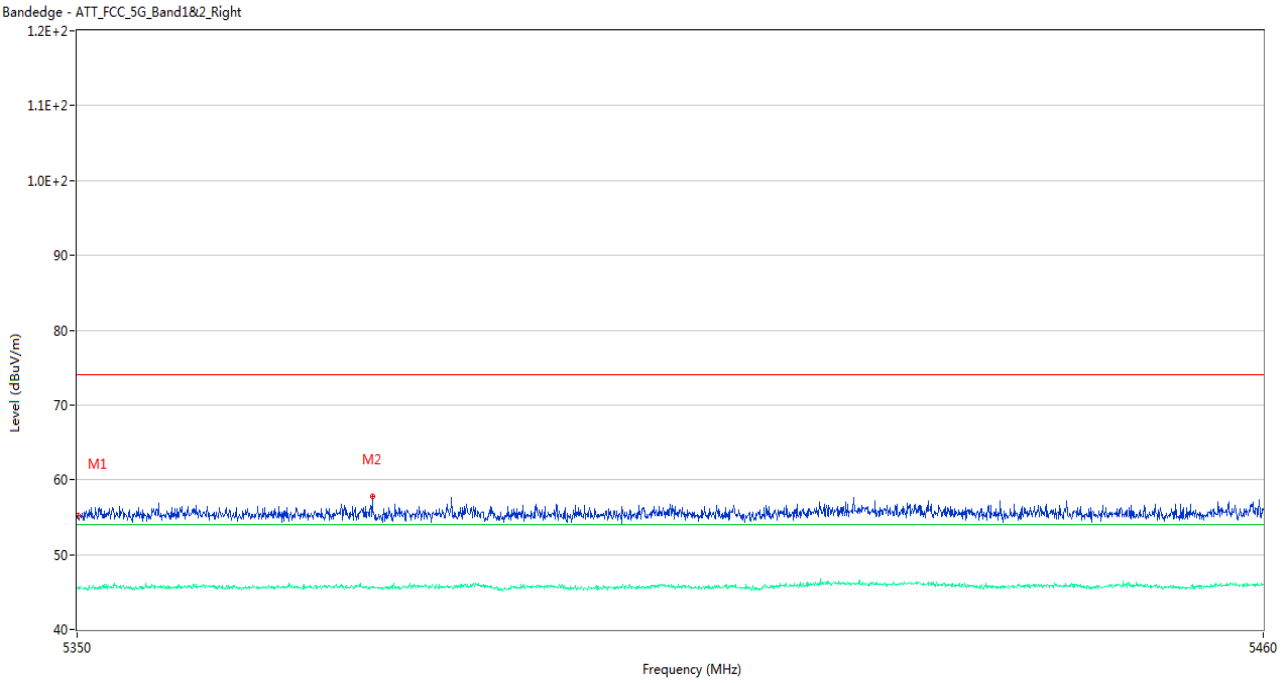
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.68	1.93	74.0	19.32	Peak	161.00	200	Horizontal	Pass
1**	5350.055	45.57	1.93	54.0	8.43	AV	161.00	200	Horizontal	Pass
2	5426.450	57.46	2.45	74.0	16.54	Peak	195.00	200	Horizontal	Pass
2**	5426.450	46.17	2.45	54.0	7.83	AV	195.00	200	Horizontal	Pass

U-NII-1 11ac40 Low Channel



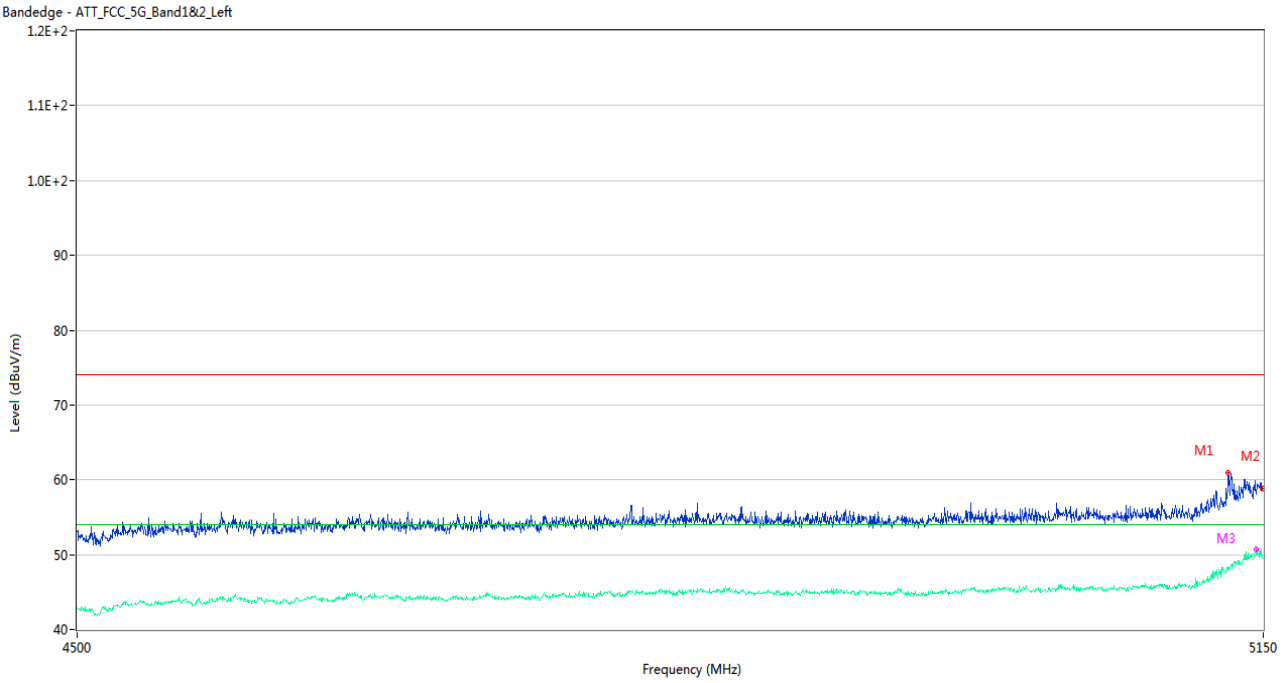
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.400	61.40	2.23	74.0	12.60	Peak	263.00	150	Horizontal	Pass
1**	5147.400	49.90	2.23	54.0	4.10	AV	263.00	150	Horizontal	Pass
2	5149.675	63.08	2.07	74.0	10.92	Peak	266.00	100	Horizontal	Pass
2**	5149.675	50.99	2.07	54.0	3.01	AV	266.00	100	Horizontal	Pass
3	5149.025	60.05	2.02	74.0	13.95	Peak	14.00	150	Horizontal	Pass
3**	5149.025	50.66	2.02	54.0	3.34	AV	14.00	150	Horizontal	Pass

U-NII-1 11ac40 High Channel



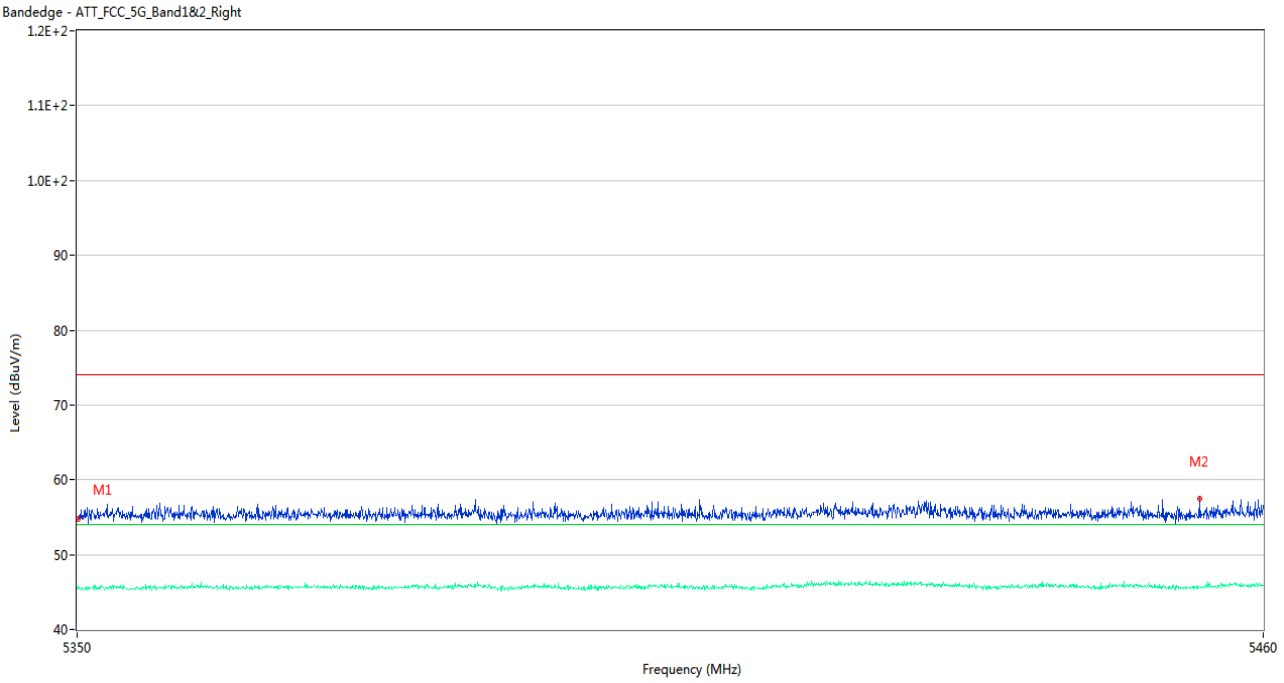
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.24	1.93	74.0	18.76	Peak	291.00	200	Horizontal	Pass
1**	5350.055	45.39	1.93	54.0	8.61	AV	291.00	200	Horizontal	Pass
2	5377.170	57.73	2.15	74.0	16.27	Peak	4.00	100	Horizontal	Pass
2**	5377.170	45.70	2.15	54.0	8.30	AV	4.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



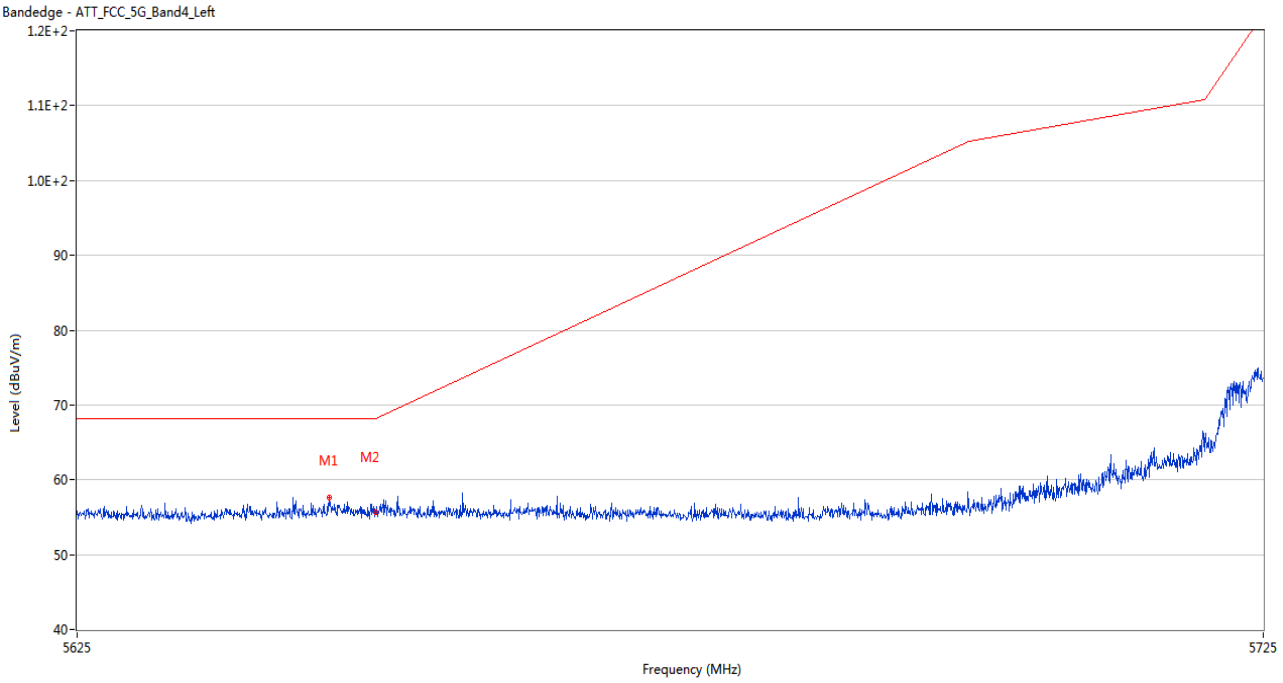
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5129.525	60.87	1.97	74.0	13.13	Peak	49.00	100	Horizontal	Pass
1**	5129.525	48.32	1.97	54.0	5.68	AV	49.00	100	Horizontal	Pass
2	5149.675	58.77	2.07	74.0	15.23	Peak	46.00	100	Horizontal	Pass
2**	5149.675	49.62	2.07	54.0	4.38	AV	46.00	100	Horizontal	Pass
3	5146.100	58.14	2.28	74.0	15.86	Peak	16.00	150	Horizontal	Pass
3**	5146.100	50.66	2.28	54.0	3.34	AV	16.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



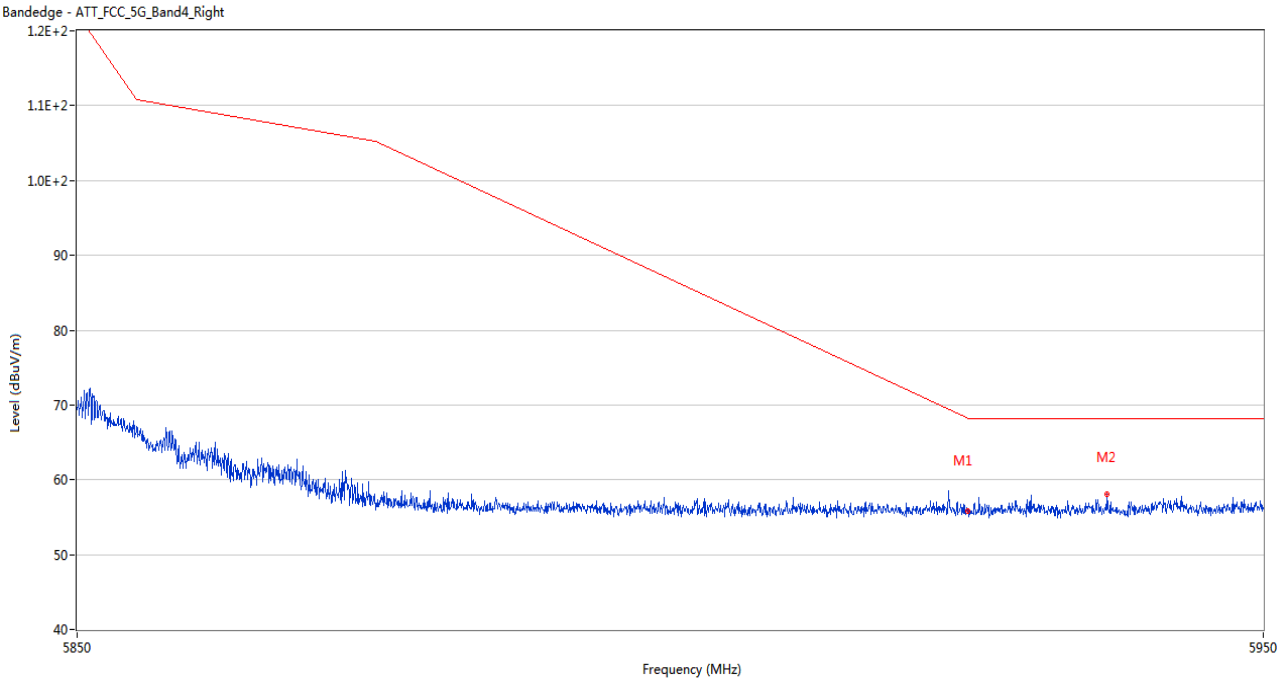
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.77	1.93	74.0	19.23	Peak	163.00	200	Horizontal	Pass
1**	5350.055	45.83	1.93	54.0	8.17	AV	163.00	200	Horizontal	Pass
2	5454.005	57.43	2.21	74.0	16.57	Peak	5.00	100	Horizontal	Pass
2**	5454.005	45.70	2.21	54.0	8.30	AV	5.00	100	Horizontal	Pass

U-NII-3 11a Low Channel



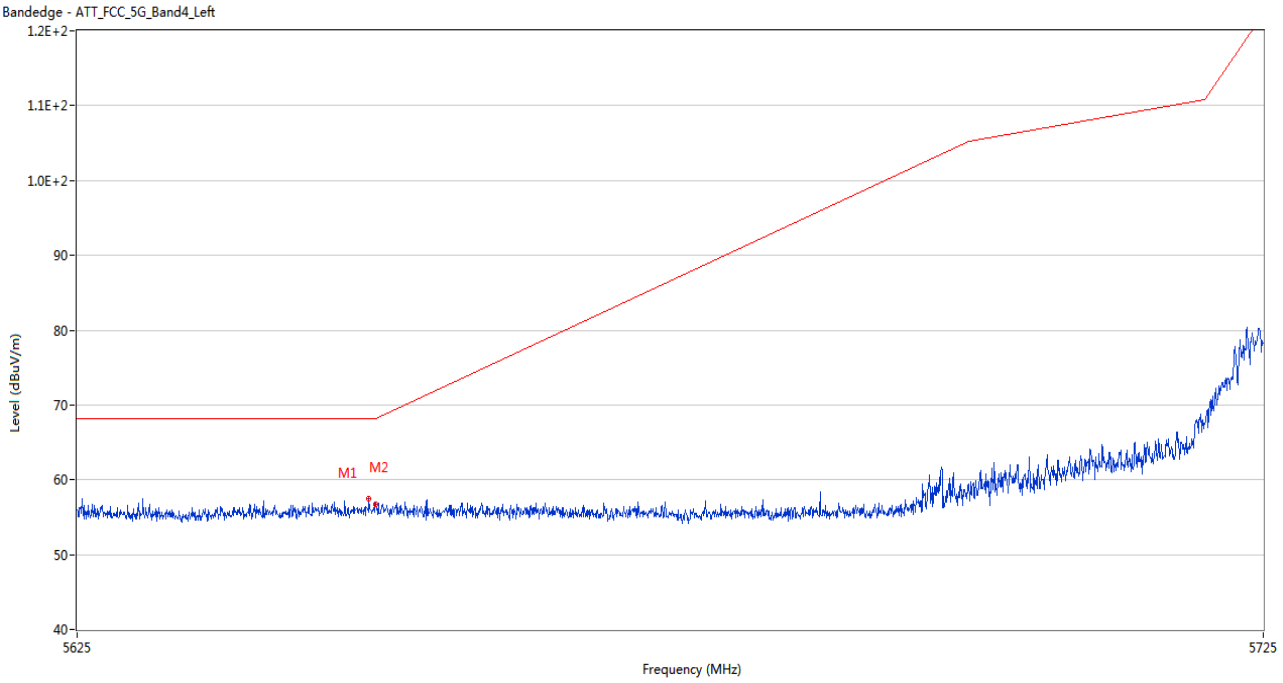
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.100	57.63	2.70	68.2	10.57	Peak	119.00	100	Vertical	Pass
2	5650.000	55.61	2.54	68.2	12.59	Peak	68.00	100	Vertical	Pass

U-NII-3 11a High Channel



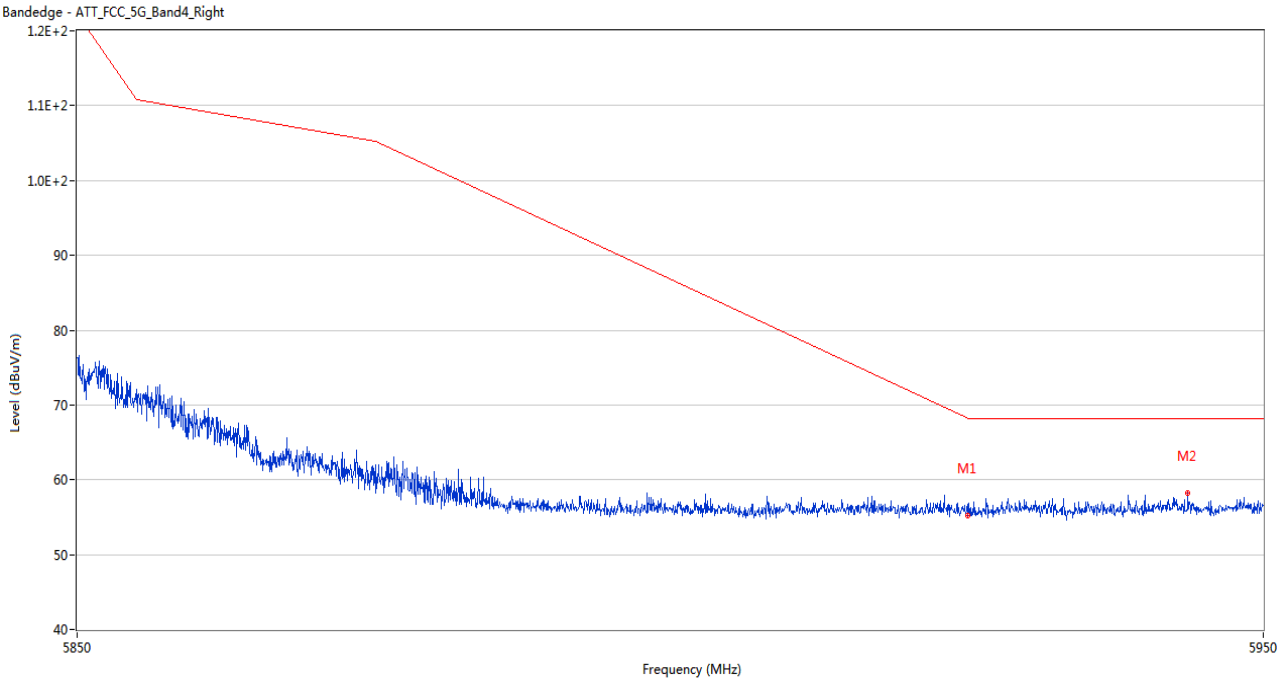
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.80	2.32	68.2	12.40	Peak	243.00	200	Vertical	Pass
2	5936.750	58.01	2.38	68.2	10.19	Peak	219.00	100	Vertical	Pass

U-NII-3 11n20 Low Channel



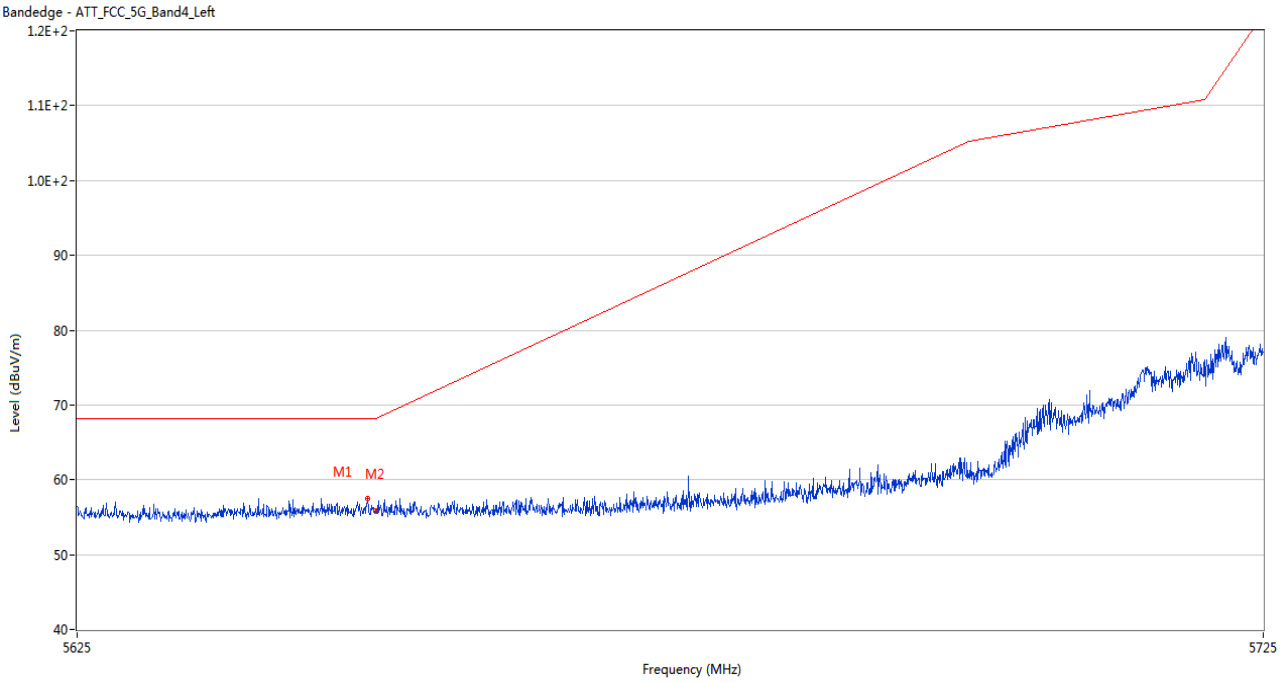
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.450	57.53	2.53	68.2	10.67	Peak	177.00	200	Vertical	Pass
2	5650.000	56.75	2.54	68.2	11.45	Peak	25.00	100	Vertical	Pass

U-NII-3 11n20 High Channel



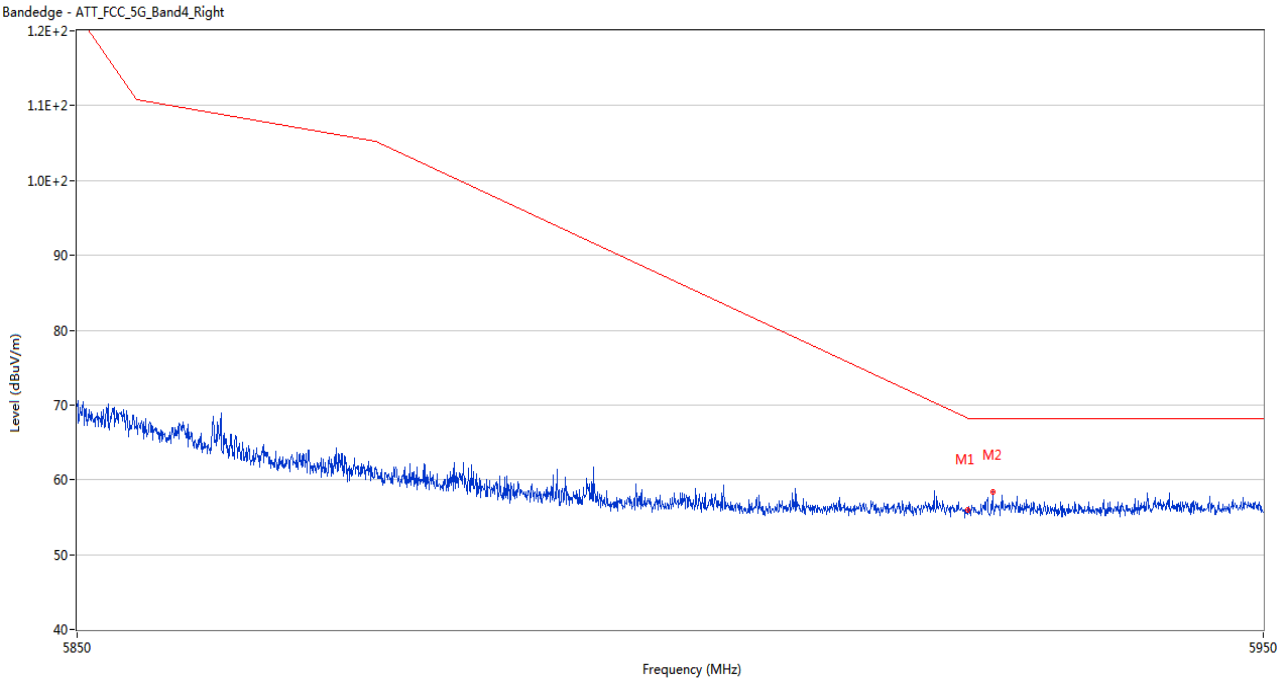
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.26	2.32	68.2	12.94	Peak	43.00	100	Vertical	Pass
2	5943.600	58.19	2.48	68.2	10.01	Peak	330.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel



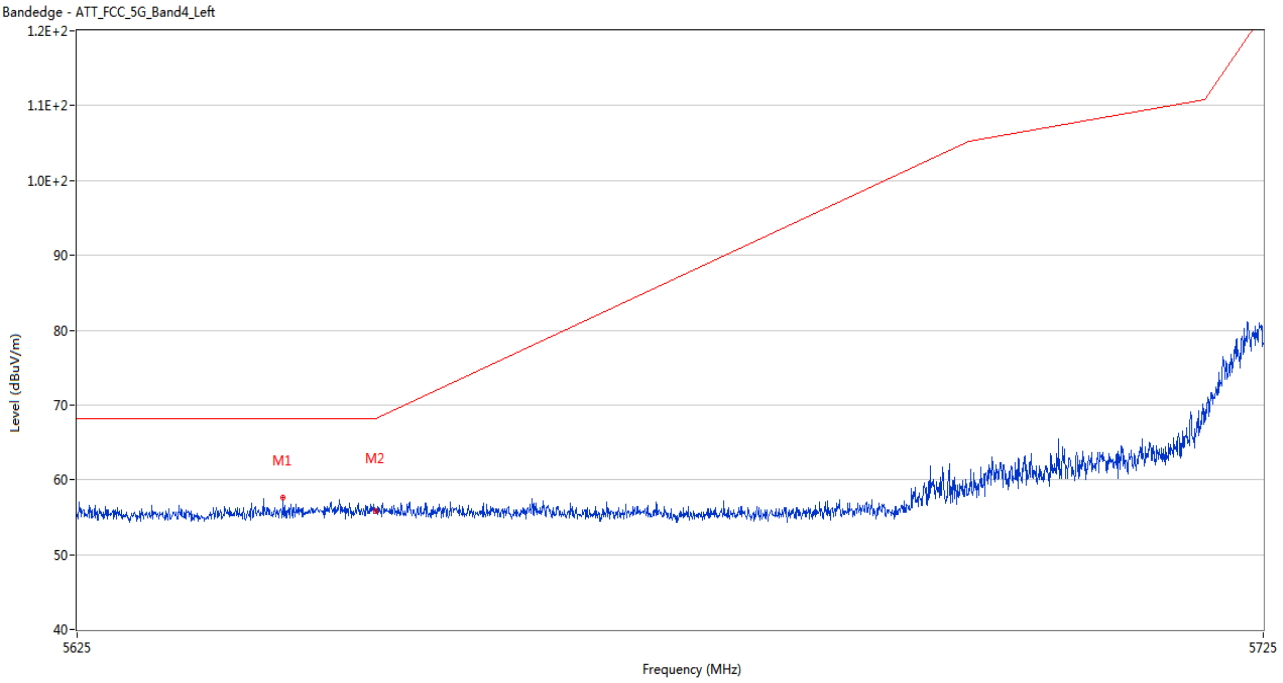
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.300	57.51	2.53	68.2	10.69	Peak	99.00	200	Vertical	Pass
2	5650.000	55.82	2.54	68.2	12.38	Peak	73.00	100	Vertical	Pass

U-NII-3 11n40 High Channel



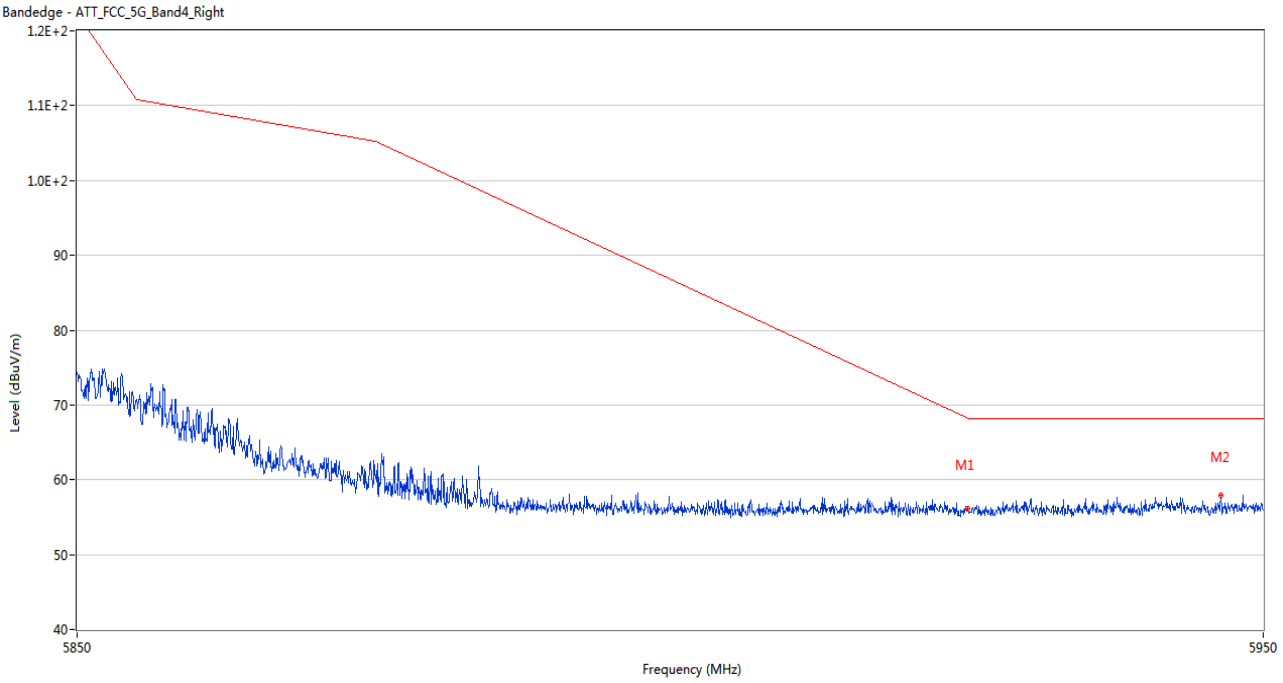
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.90	2.32	68.2	12.30	Peak	45.00	100	Vertical	Pass
2	5927.050	58.39	2.39	68.2	9.81	Peak	227.00	150	Vertical	Pass

U-NII-3 11ac20 Low Channel



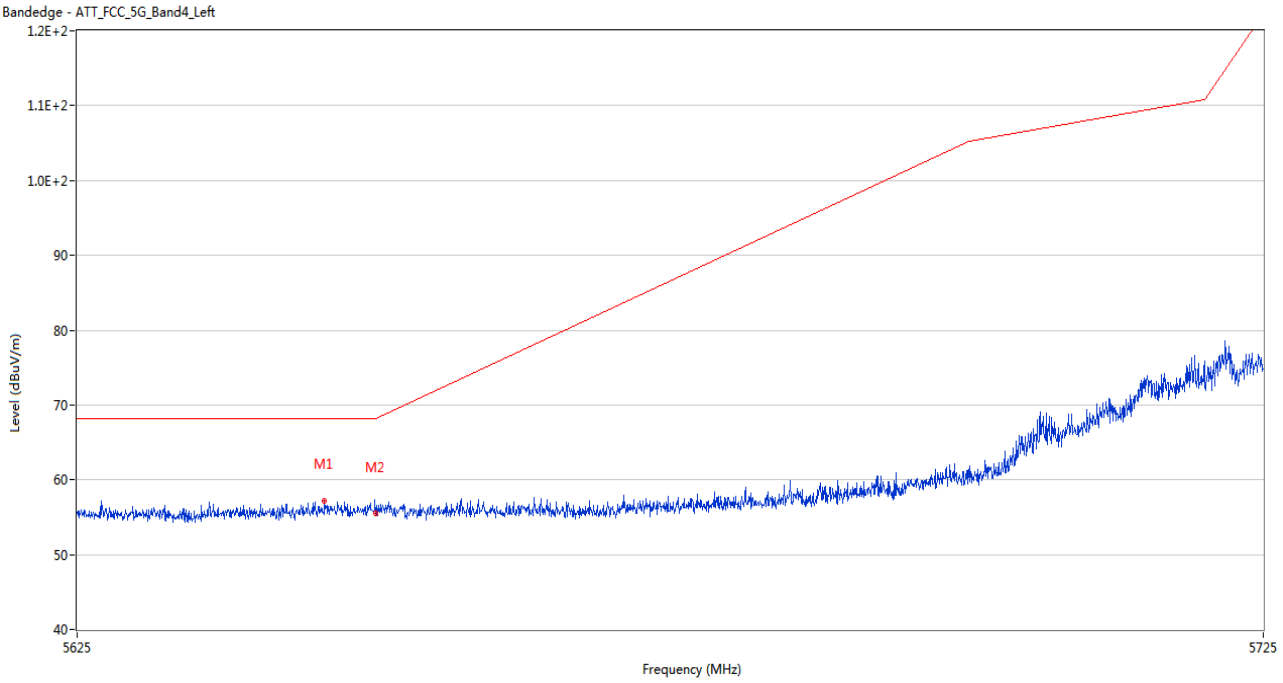
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.250	57.59	2.31	68.2	10.61	Peak	29.00	150	Vertical	Pass
2	5650.000	55.87	2.54	68.2	12.33	Peak	22.00	150	Vertical	Pass

U-NII-3 11ac20 High Channel



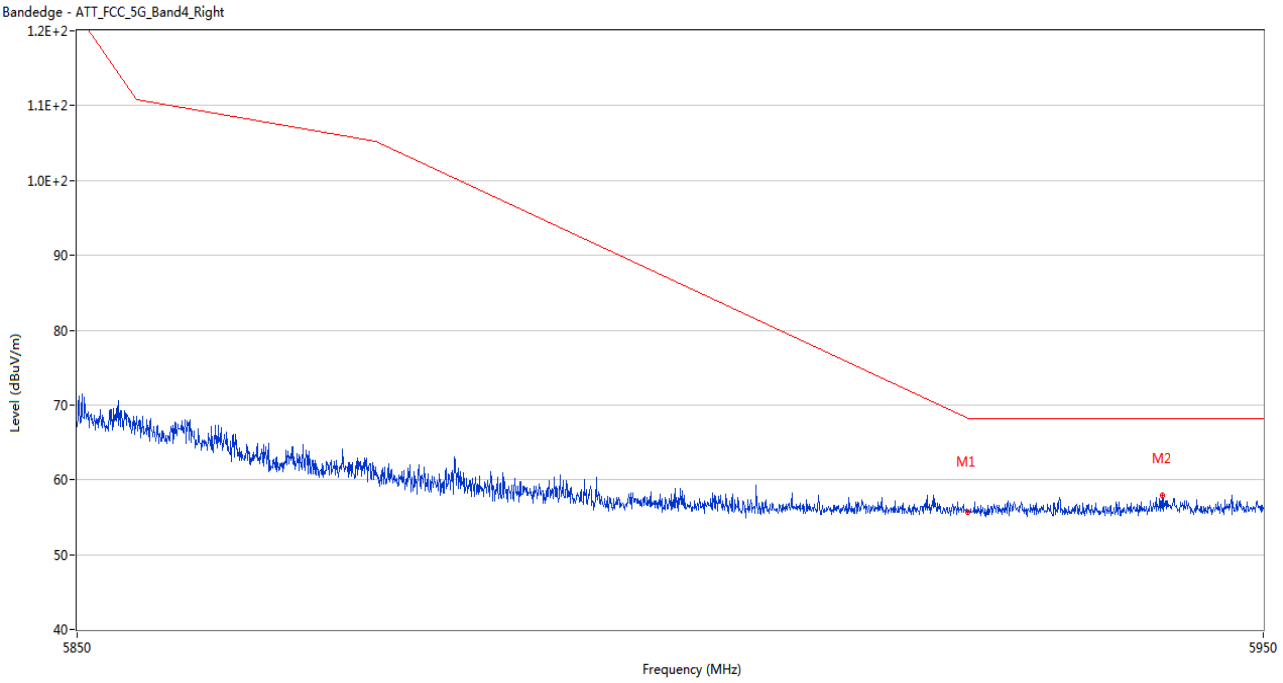
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.13	2.32	68.2	12.07	Peak	260.00	100	Vertical	Pass
2	5946.400	58.00	2.38	68.2	10.20	Peak	122.00	100	Vertical	Pass

U-NII-3 11ac40 Low Channel



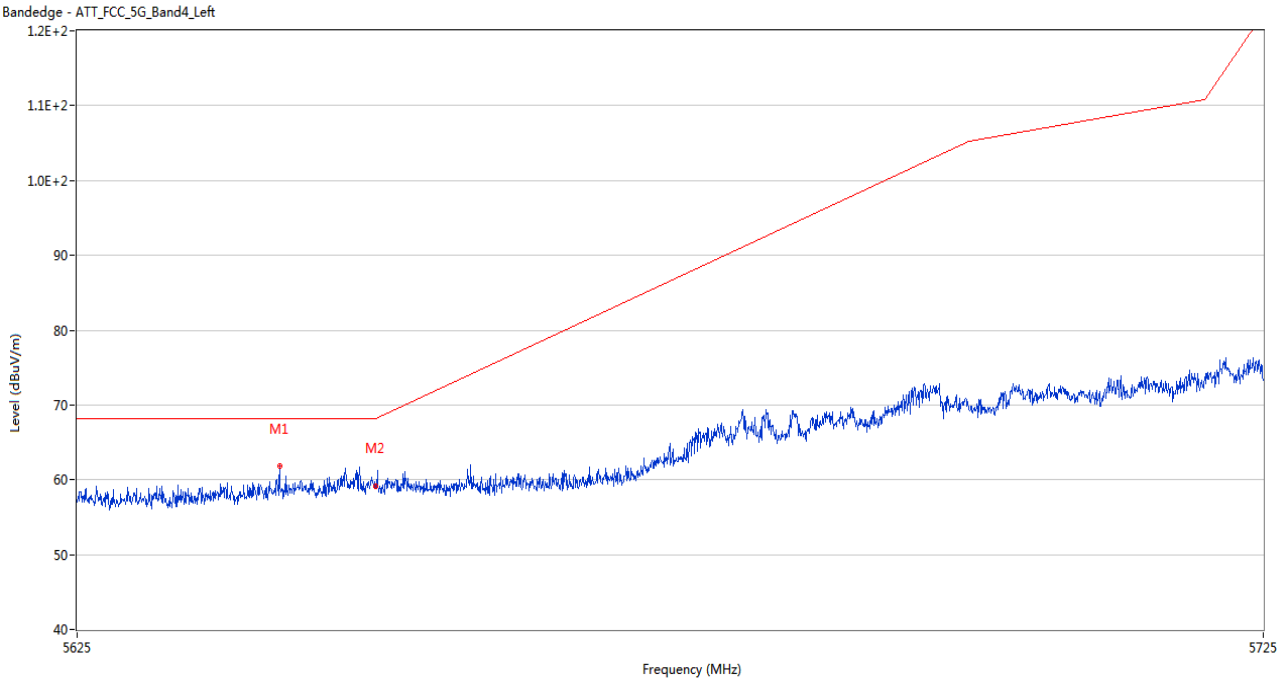
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.700	57.21	2.64	68.2	10.99	Peak	165.00	100	Vertical	Pass
2	5650.000	55.49	2.54	68.2	12.71	Peak	51.00	150	Vertical	Pass

U-NII-3 11ac40 High Channel



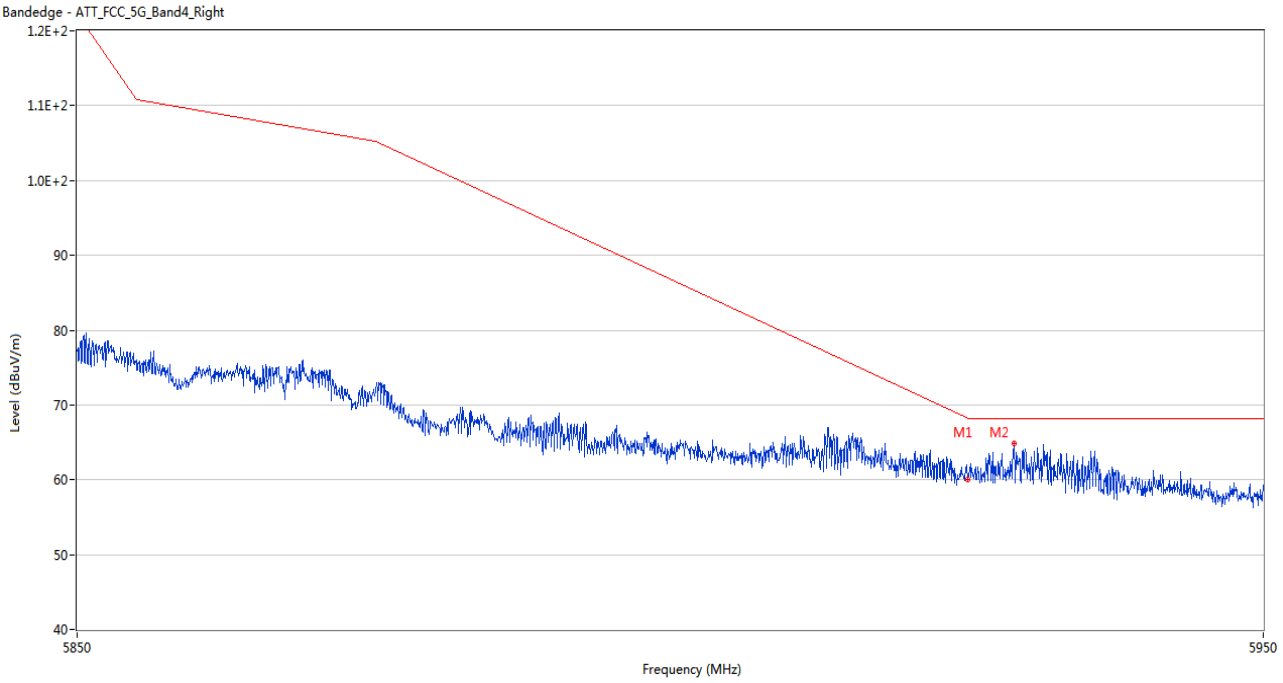
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.61	2.32	68.2	12.59	Peak	243.00	200	Vertical	Pass
2	5941.400	57.97	2.85	68.2	10.23	Peak	0.00	100	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5641.950	61.87	2.29	68.2	6.33	Peak	244.00	150	Vertical	Pass
2	5650.000	59.18	2.54	68.2	9.02	Peak	244.00	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	5924.950	60.06	2.32	68.2	8.14	Peak	245.00	150	Vertical	Pass
2	5928.850	64.81	2.71	68.2	3.39	Peak	255.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2460562-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2460562-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2460562-AI.PDF”.

Statement

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

--END OF REPORT--