

TEST REPORT

Applicant: Hunan Greatwall Computer System Co., Ltd.
Address: Hunan GreatWall Industrial Park, Xiangyun Middle Road, Tianyuan District, Zhuzhou, Hunan Province, China
Equipment Type: Smart Projector
Model Name: T100-001 (refer to section 2.3)
Brand Name: Great Wall
FCC ID: 2APUQ-T100-001
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Mar. 19, 2024
Test Date: Apr. 02, 2024 - Apr. 26, 2024
Date of Issue: May 22, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

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

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Hunan Greatwall Computer System Co., Ltd.
Address	Hunan GreatWall Industrial Park, Xiangyun Middle Road, Tianyuan District, Zhuzhou, Hunan Province, China

2.2 Manufacturer Information

Manufacturer	Hunan Greatwall Computer System Co., Ltd.
Address	Hunan GreatWall Industrial Park, Xiangyun Middle Road, Tianyuan District, Zhuzhou, Hunan Province, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Smart Projector
Model Name Under Test	T100-001
Series Model Name	T100, T100-002, T100-003, T100-004, T100-005, T100-006, T100-007, T100-008, T100-009, T100-010, T100-011, T100-012, T100-013, T100-014, T100-015, T100-016, T100-017, T100-018, T100-019, T100-020, T100-021, T100-022, T100-023, T100-024, T100-025, T100-026, T100-027, T100-028, Z1, Z1PRO, Z1s, Z1xxxxx, Z1-001, Z1-002, Z1-003, Z1-004, Z1-005, Z1-006, Z1-007, Z1-008, Z1-009, Z1-010, Z1-011, Z1-012, Z1-013, Z1-014, Z1-015, Z1-016, Z1-017, Z1-018, Z1-019, Z1-020, Z1-021, Z1-022, Z1-023, Z1-024, Z1-025, Z1-026, Z1-027, Z1-028
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant)
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz
Maximum Output Power	U-NII-1: 23.44 mW U-NII-2A: 22.28 mW U-NII-2C: 25.18 mW U-NII-3: 15.89 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 4.58 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.58 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.55 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.55 dBi
About the Product	The equipment is Smart Projector, intended for used with information technology equipment.

2.5 Channel List

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

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

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

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

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 70%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.0°C to +25.1°C
	LT (Low Temperature)	0.0°C
	HT (High Temperature)	+40.0°C
Working Voltage of the EUT	NV (Normal Voltage)	19 V
	LV (Low Voltage)	18 V
	HV (High Voltage)	20 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
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	2027.01.22
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	2023.05.16	2024.05.15
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

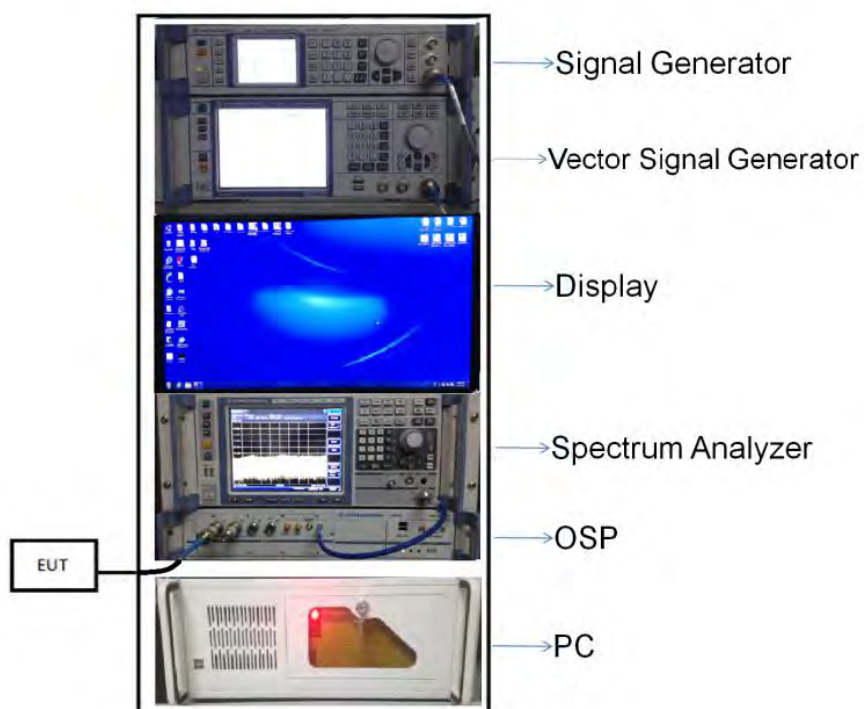
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

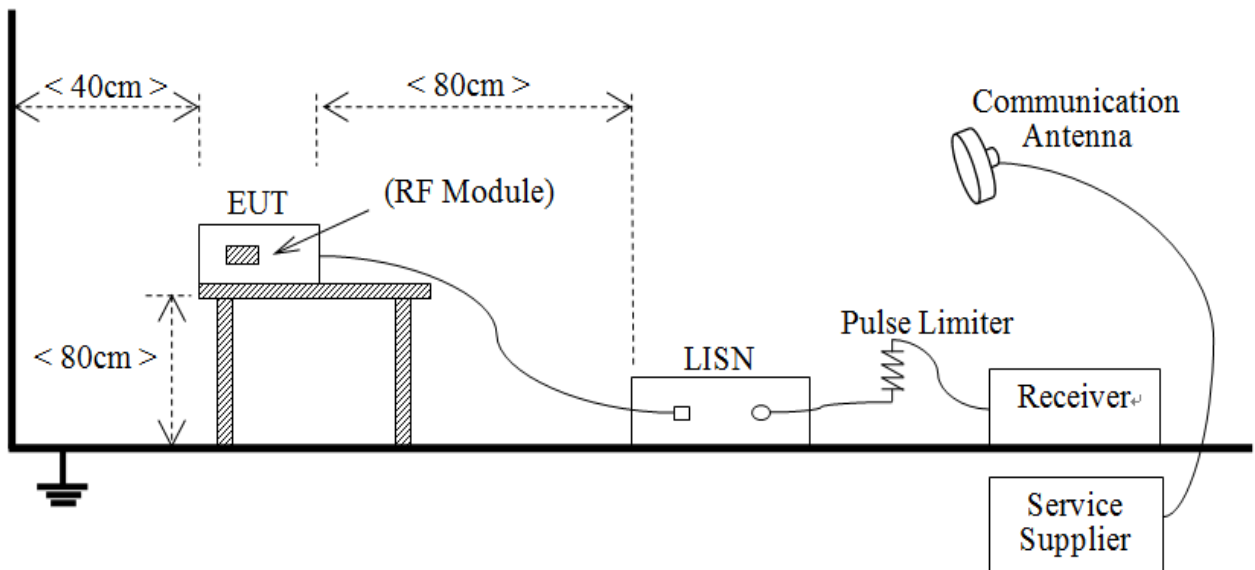
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



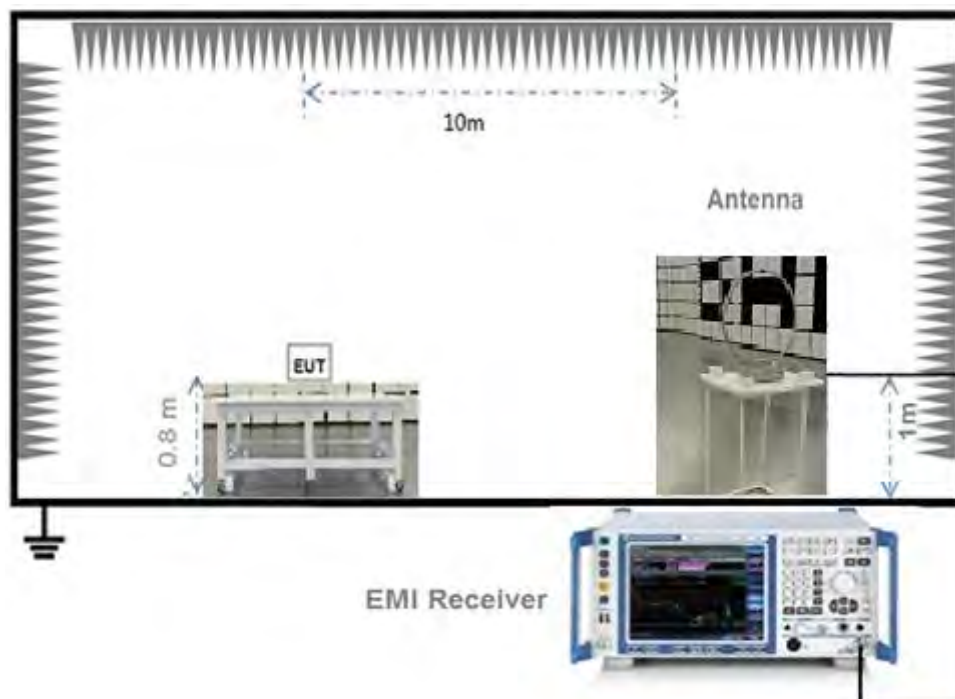
(Diagram 1)

4.5.2 For AC Power Supply Port Test



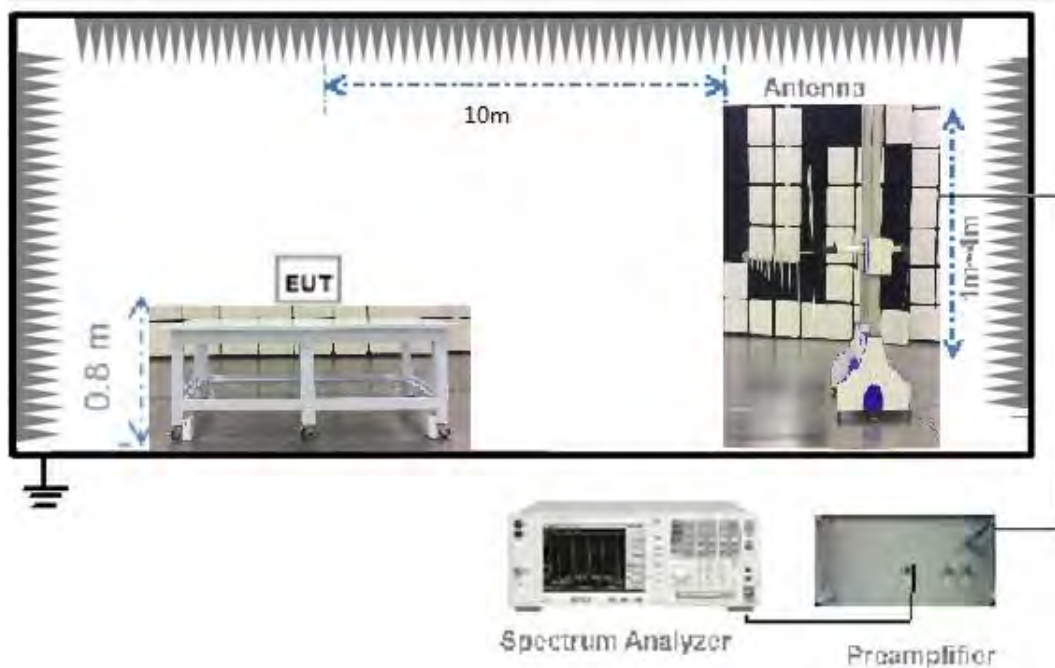
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



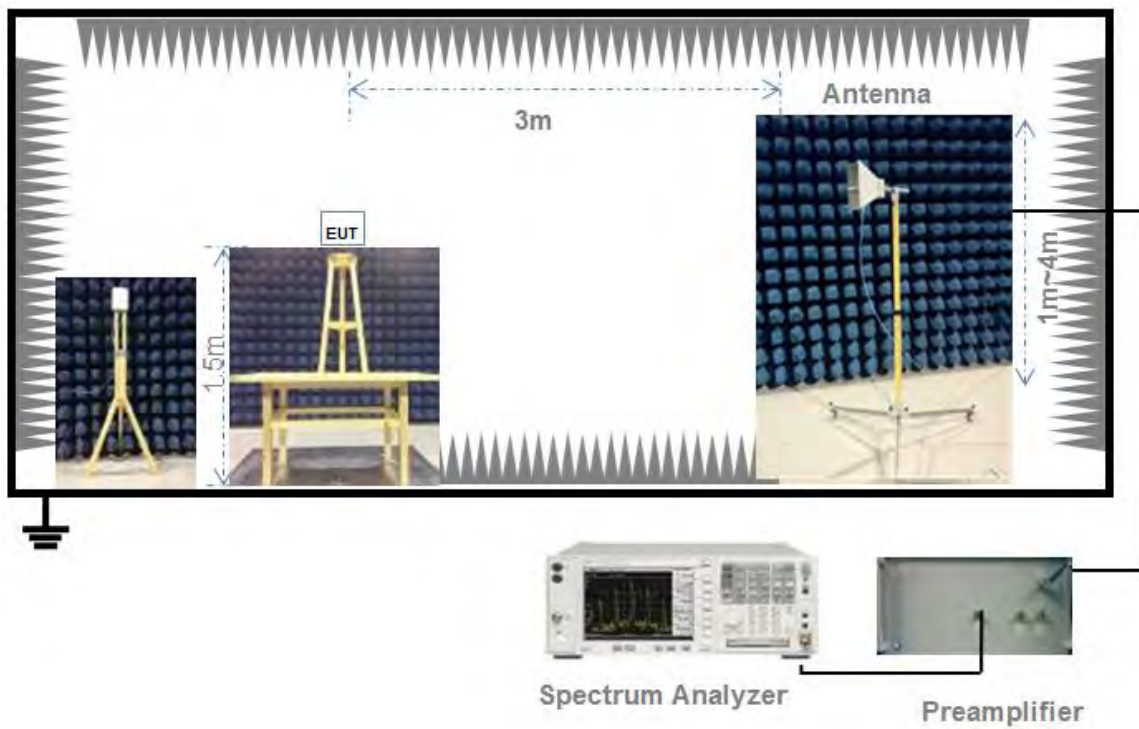
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

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

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.03	12.08	16.80%	7.75
11n (HT20)/11ac (VHT20)	1.91	11.91	15.99%	7.96
11n (HT40)/11ac (VHT40)	0.90	10.93	8.26%	10.83

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	11.96	15.70	250	Pass
11a	CH44	13.01	20.00	250	Pass
11a	CH48	13.70	23.44	250	Pass
11n (HT20)	CH36	11.81	15.17	250	Pass
11n (HT20)	CH44	12.89	19.45	250	Pass
11n (HT20)	CH48	13.33	21.53	250	Pass
11n (HT40)	CH38	12.08	16.14	250	Pass
11n (HT40)	CH46	13.04	20.14	250	Pass
11ac (VHT20)	CH36	11.59	14.42	250	Pass
11ac (VHT20)	CH44	12.55	17.99	250	Pass
11ac (VHT20)	CH48	13.23	21.04	250	Pass
11ac (VHT40)	CH38	11.99	15.81	250	Pass
11ac (VHT40)	CH46	13.14	20.61	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.57	14.35	250	Pass
11a	CH60	12.92	19.59	250	Pass
11a	CH64	13.48	22.28	250	Pass
11n (HT20)	CH52	11.45	13.96	250	Pass
11n (HT20)	CH60	12.87	19.36	250	Pass
11n (HT20)	CH64	13.38	21.78	250	Pass
11n (HT40)	CH54	11.99	15.81	250	Pass
11n (HT40)	CH62	13.22	20.99	250	Pass
11ac (VHT20)	CH52	11.41	13.84	250	Pass
11ac (VHT20)	CH60	12.79	19.01	250	Pass
11ac (VHT20)	CH64	13.31	21.43	250	Pass
11ac (VHT40)	CH54	11.80	15.14	250	Pass
11ac (VHT40)	CH62	13.10	20.42	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	13.57	22.75	250	Pass
11a	CH116	13.13	20.56	250	Pass
11a	CH140	13.46	22.18	250	Pass
11n (HT20)	CH100	13.52	22.49	250	Pass
11n (HT20)	CH116	13.04	20.14	250	Pass
11n (HT20)	CH140	13.38	21.78	250	Pass
11n (HT40)	CH102	13.94	24.77	250	Pass
11n (HT40)	CH118	13.58	22.80	250	Pass
11n (HT40)	CH134	13.58	22.80	250	Pass
11ac (VHT20)	CH100	13.52	22.49	250	Pass
11ac (VHT20)	CH116	13.05	20.18	250	Pass
11ac (VHT20)	CH140	13.39	21.83	250	Pass
11ac (VHT40)	CH102	14.01	25.18	250	Pass
11ac (VHT40)	CH118	13.71	23.50	250	Pass
11ac (VHT40)	CH134	13.61	22.96	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	11.98	15.78	1000	Pass
11a	CH157	11.33	13.58	1000	Pass
11a	CH165	11.12	12.94	1000	Pass
11n (HT20)	CH149	11.89	15.45	1000	Pass
11n (HT20)	CH157	11.25	13.34	1000	Pass
11n (HT20)	CH165	11.06	12.76	1000	Pass
11n (HT40)	CH151	11.90	15.49	1000	Pass
11n (HT40)	CH159	11.45	13.96	1000	Pass
11ac (VHT20)	CH149	12.01	15.89	1000	Pass
11ac (VHT20)	CH157	11.40	13.80	1000	Pass
11ac (VHT20)	CH165	11.18	13.12	1000	Pass
11ac (VHT40)	CH151	11.93	15.60	1000	Pass
11ac (VHT40)	CH159	11.52	14.19	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2431133-603 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	24.50	16.89
11a	CH44	24.61	16.80
11a	CH48	25.23	16.82
11n (HT20)	CH36	25.34	17.96
11n (HT20)	CH44	25.05	17.96
11n (HT20)	CH48	25.07	17.97
11n (HT40)	CH38	45.79	36.51
11n (HT40)	CH46	46.07	36.48
11ac (VHT20)	CH36	25.25	18.00
11ac (VHT20)	CH44	25.40	17.95
11ac (VHT20)	CH48	25.55	17.96
11ac (VHT40)	CH38	46.23	36.55
11ac (VHT40)	CH46	45.80	36.45

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	25.70	16.84
11a	CH60	25.20	16.81
11a	CH64	25.97	16.82
11n (HT20)	CH52	25.82	17.98
11n (HT20)	CH60	26.29	17.99
11n (HT20)	CH64	25.43	17.95
11n (HT40)	CH54	45.61	36.56
11n (HT40)	CH62	46.06	36.49
11ac (VHT20)	CH52	25.90	17.97
11ac (VHT20)	CH60	25.47	17.98
11ac (VHT20)	CH64	25.63	17.98
11ac (VHT40)	CH54	46.22	36.55
11ac (VHT40)	CH62	46.83	36.53

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	25.30	16.98
11a	CH116	25.78	16.96
11a	CH140	25.87	16.96
11n (HT20)	CH100	26.73	18.13
11n (HT20)	CH116	26.38	18.10
11n (HT20)	CH140	26.06	18.09
11n (HT40)	CH102	48.97	36.73
11n (HT40)	CH118	46.52	36.71
11n (HT40)	CH134	47.33	36.70
11ac (VHT20)	CH100	26.15	18.10
11ac (VHT20)	CH116	26.84	18.13
11ac (VHT20)	CH140	26.57	18.11
11ac (VHT40)	CH102	47.39	36.74
11ac (VHT40)	CH118	48.28	36.72
11ac (VHT40)	CH134	47.61	36.71

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	25.59	16.96
11a	CH157	25.60	16.99
11a	CH165	25.64	16.96
11n (HT20)	CH149	26.22	18.11
11n (HT20)	CH157	26.47	18.13
11n (HT20)	CH165	26.29	18.07
11n (HT40)	CH151	46.86	36.73
11n (HT40)	CH159	47.09	36.79
11ac (VHT20)	CH149	26.35	18.10
11ac (VHT20)	CH157	26.57	18.16
11ac (VHT20)	CH165	26.36	18.09
11ac (VHT40)	CH151	47.24	36.80
11ac (VHT40)	CH159	47.24	36.80

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2431133-603 Data Part 2.pdf".

Test Data

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

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2431133-603 Data Part 3.pdf”.

Note ²: The test results have been corrected based on the duty factor.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	0.65	11.00	Pass
11a	CH44	1.74	11.00	Pass
11a	CH48	2.84	11.00	Pass
11n (HT20)	CH36	-0.17	11.00	Pass
11n (HT20)	CH44	1.43	11.00	Pass
11n (HT20)	CH48	3.26	11.00	Pass
11n (HT40)	CH38	-2.55	11.00	Pass
11n (HT40)	CH46	-1.37	11.00	Pass
11ac (VHT20)	CH36	1.12	11.00	Pass
11ac (VHT20)	CH44	1.85	11.00	Pass
11ac (VHT20)	CH48	0.95	11.00	Pass
11ac (VHT40)	CH38	-2.45	11.00	Pass
11ac (VHT40)	CH46	-0.64	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.95	11.00	Pass
11a	CH60	2.32	11.00	Pass
11a	CH64	2.79	11.00	Pass
11n (HT20)	CH52	0.53	11.00	Pass
11n (HT20)	CH60	2.42	11.00	Pass
11n (HT20)	CH64	2.91	11.00	Pass
11n (HT40)	CH54	-2.22	11.00	Pass
11n (HT40)	CH62	-1.16	11.00	Pass
11ac (VHT20)	CH52	1.12	11.00	Pass
11ac (VHT20)	CH60	2.72	11.00	Pass
11ac (VHT20)	CH64	2.45	11.00	Pass
11ac (VHT40)	CH54	-2.78	11.00	Pass
11ac (VHT40)	CH62	-0.93	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	2.51	11.00	Pass
11a	CH116	2.88	11.00	Pass
11a	CH140	2.30	11.00	Pass
11n (HT20)	CH100	3.05	11.00	Pass
11n (HT20)	CH116	2.24	11.00	Pass
11n (HT20)	CH140	2.44	11.00	Pass
11n (HT40)	CH102	0.66	11.00	Pass
11n (HT40)	CH118	-0.91	11.00	Pass
11n (HT40)	CH134	-0.33	11.00	Pass
11ac (VHT20)	CH100	3.39	11.00	Pass
11ac (VHT20)	CH116	2.90	11.00	Pass
11ac (VHT20)	CH140	1.82	11.00	Pass
11ac (VHT40)	CH102	0.48	11.00	Pass
11ac (VHT40)	CH118	-0.16	11.00	Pass
11ac (VHT40)	CH134	-0.02	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-1.53	30.00	Pass
11a	CH157	-2.45	30.00	Pass
11a	CH165	-2.62	30.00	Pass
11n (HT20)	CH149	-1.12	30.00	Pass
11n (HT20)	CH157	-2.52	30.00	Pass
11n (HT20)	CH165	-3.19	30.00	Pass
11n (HT40)	CH151	-4.41	30.00	Pass
11n (HT40)	CH159	-4.12	30.00	Pass
11ac (VHT20)	CH149	-2.19	30.00	Pass
11ac (VHT20)	CH157	-3.37	30.00	Pass
11ac (VHT20)	CH165	-2.10	30.00	Pass
11ac (VHT40)	CH151	-5.10	30.00	Pass
11ac (VHT40)	CH159	-5.25	30.00	Pass

A.5 Conducted Emissions

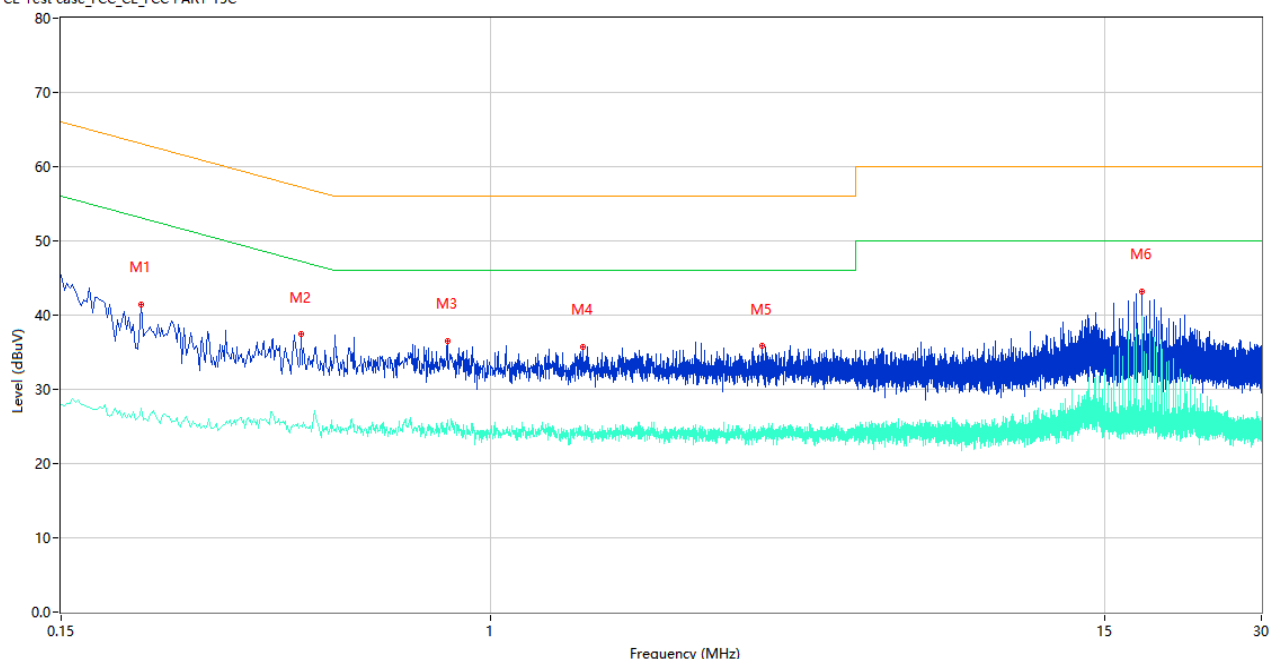
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

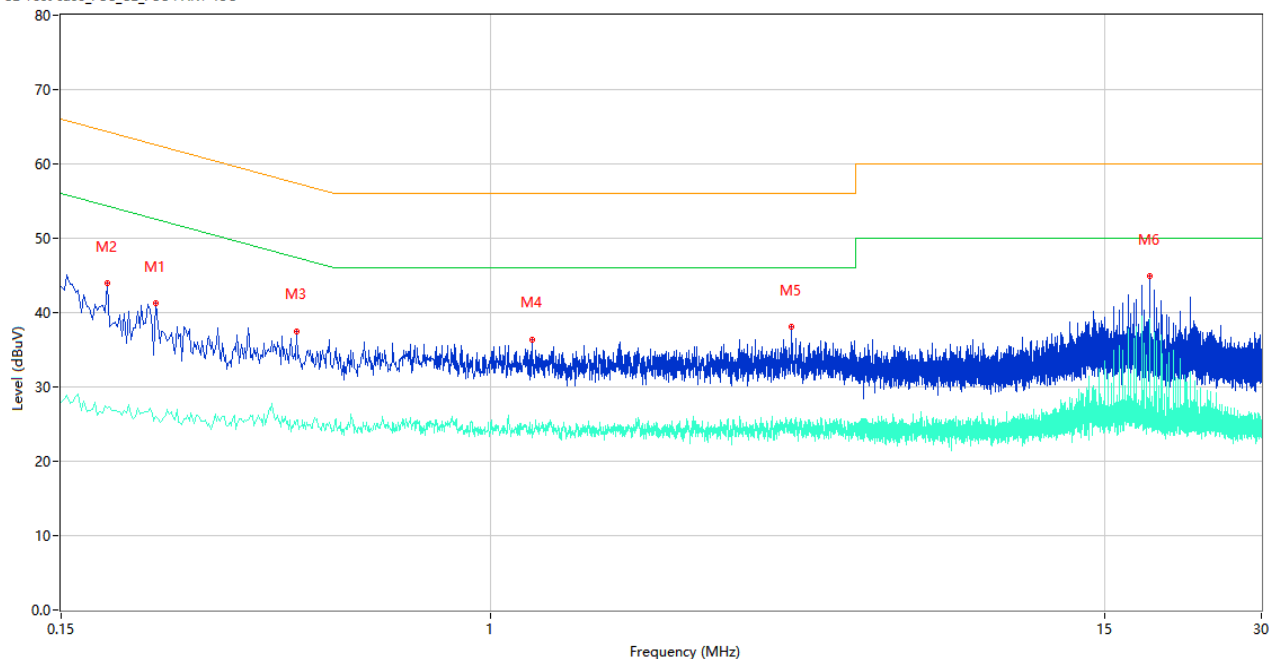
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.214	41.44	9.77	63.05	21.61	Peak	L	Pass
1**	0.214	27.50	9.77	53.05	25.55	AV	L	Pass
2	0.432	37.44	10.22	57.21	19.77	Peak	L	Pass
2**	0.432	25.14	10.22	47.21	22.07	AV	L	Pass
3	0.826	36.52	10.58	56.00	19.48	Peak	L	Pass
3**	0.826	25.80	10.58	46.00	20.20	AV	L	Pass
4	1.502	35.76	10.26	56.00	20.24	Peak	L	Pass
4**	1.502	24.41	10.26	46.00	21.59	AV	L	Pass
5	3.314	35.87	10.37	56.00	20.13	Peak	L	Pass
5**	3.314	24.27	10.37	46.00	21.73	AV	L	Pass
6	17.686	43.21	11.05	60.00	16.79	Peak	L	Pass
6**	17.686	39.79	11.05	50.00	10.21	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.228	41.24	9.77	62.52	21.28	Peak	N	Pass
1**	0.228	26.05	9.77	52.52	26.47	AV	N	Pass
2	0.184	43.92	9.78	64.30	20.38	Peak	N	Pass
2**	0.184	27.11	9.78	54.30	27.19	AV	N	Pass
3	0.424	37.54	10.30	57.37	19.83	Peak	N	Pass
3**	0.424	25.55	10.30	47.37	21.82	AV	N	Pass
4	1.198	36.41	9.91	56.00	19.59	Peak	N	Pass
4**	1.198	23.24	9.91	46.00	22.76	AV	N	Pass
5	3.764	38.07	10.41	56.00	17.93	Peak	N	Pass
5**	3.764	25.16	10.41	46.00	20.84	AV	N	Pass
6	18.294	44.87	10.96	60.00	15.13	Peak	N	Pass
6**	18.294	38.73	10.96	50.00	11.27	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note¹: The symbol of "--" in the table which means not application.

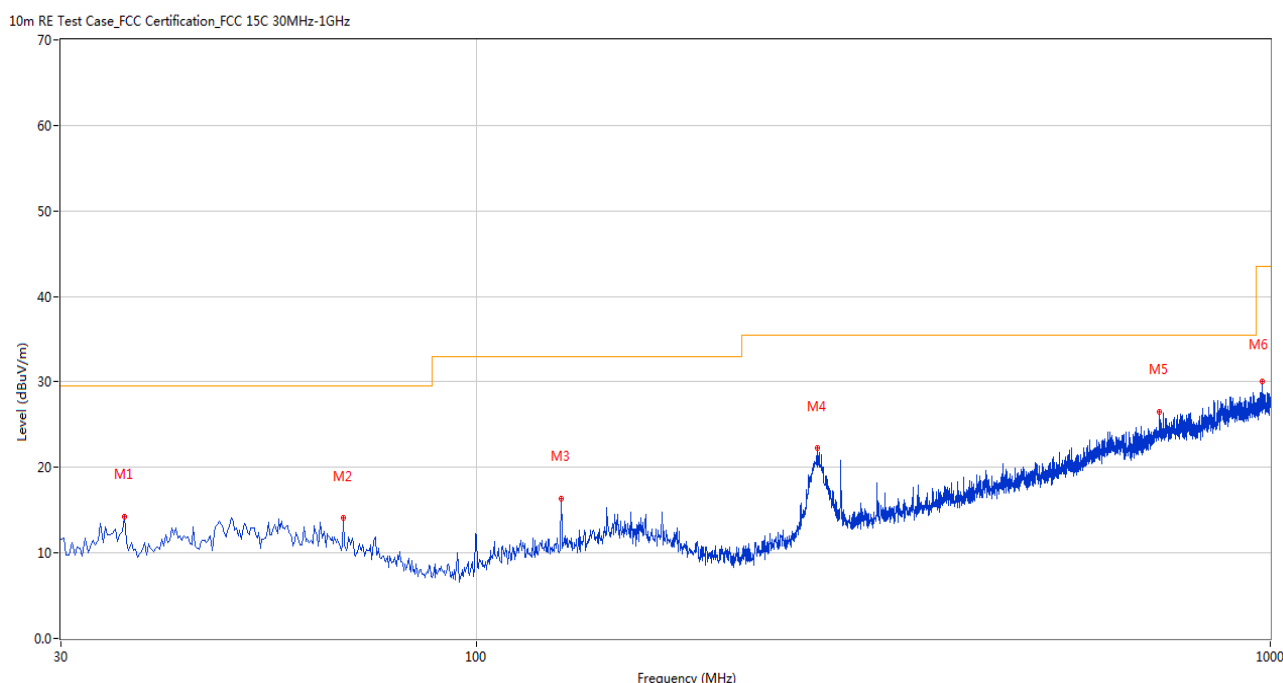
Note²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note³: 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.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

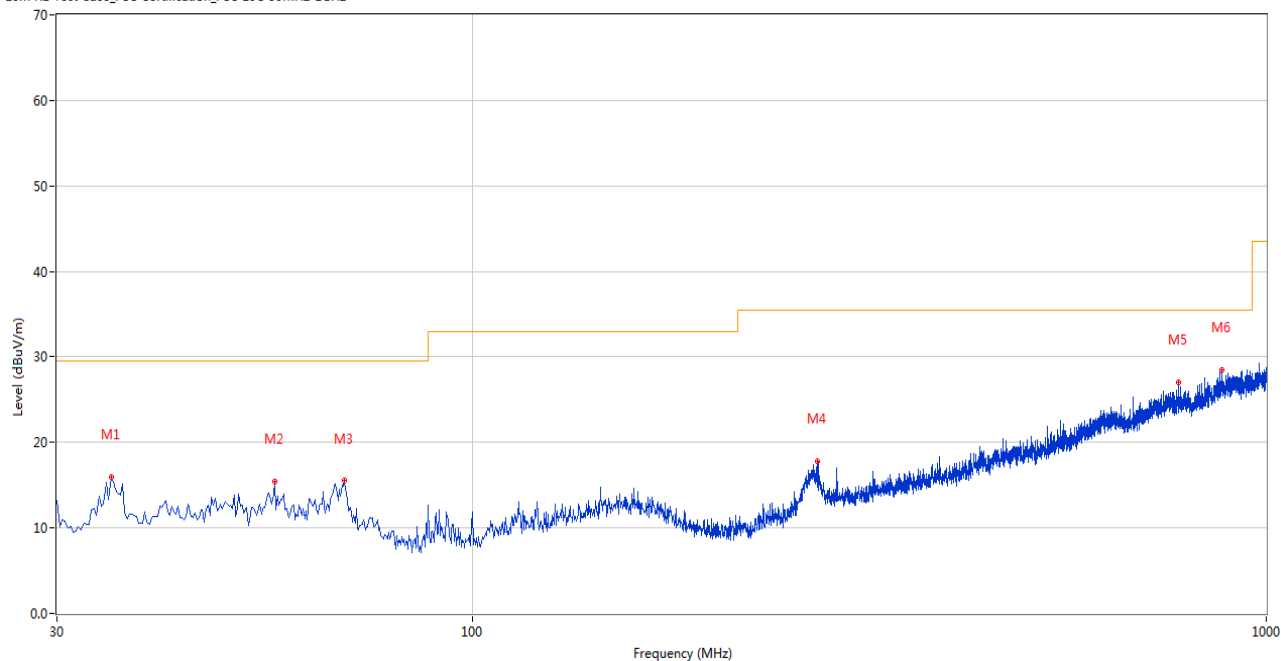
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.061	14.30	-26.70	29.5	15.20	Peak	0.00	200	Horizontal	Pass
2	68.063	14.05	-27.71	29.5	15.45	Peak	94.00	100	Horizontal	Pass
3	127.946	16.36	-27.49	33.0	16.64	Peak	355.00	100	Horizontal	Pass
4	268.803	22.22	-26.16	35.5	13.28	Peak	17.00	200	Horizontal	Pass
5	725.316	26.46	-14.03	35.5	9.04	Peak	223.00	200	Horizontal	Pass
6	975.999	30.04	-9.87	43.5	13.46	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.091	15.95	-26.71	29.5	13.55	Peak	38.00	100	Vertical	Pass
2	56.426	15.41	-26.21	29.5	14.09	Peak	0.00	200	Vertical	Pass
3	69.033	15.50	-28.03	29.5	14.00	Peak	0.00	200	Vertical	Pass
4	271.955	17.79	-25.72	35.5	17.71	Peak	245.00	200	Vertical	Pass
5	774.531	27.04	-13.06	35.5	8.46	Peak	332.00	200	Vertical	Pass
6	878.538	28.46	-11.13	35.5	7.04	Peak	115.00	200	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.400	54.45	-17.30	74.0	19.55	Peak	263.00	100	Horizontal	Pass
1**	1439.400	50.52	-17.30	54.0	3.48	AV	263.00	100	Horizontal	Pass
2	1439.700	53.86	-17.27	74.0	20.14	Peak	263.00	150	Horizontal	Pass
2**	1439.700	50.64	-17.27	54.0	3.36	AV	263.00	150	Horizontal	Pass
3	4387.200	50.06	-3.34	74.0	23.94	Peak	360.00	300	Horizontal	Pass
3**	4387.200	41.26	-3.34	54.0	12.74	AV	360.00	300	Horizontal	Pass
4	5182.000	87.87	-2.61	--	--	Peak	215.00	100	Horizontal	N/A
4**	5182.000	80.12	-2.61	--	--	AV	215.00	100	Horizontal	N/A
5	7686.550	49.84	-1.99	74.0	24.16	Peak	219.00	400	Horizontal	Pass
5**	7686.550	40.49	-1.99	54.0	13.51	AV	219.00	400	Horizontal	Pass
6	12532.362	52.61	1.28	74.0	21.39	Peak	19.00	100	Horizontal	Pass
6**	12532.362	43.14	1.28	54.0	10.86	AV	19.00	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	1170.100	54.60	-17.53	74.0	19.40	Peak	299.00	400	Vertical	Pass
1**	1170.100	49.18	-17.53	54.0	4.82	AV	299.00	400	Vertical	Pass
2	1440.200	51.81	-17.22	74.0	22.19	Peak	209.00	150	Vertical	Pass
2**	1440.200	50.67	-17.22	54.0	3.33	AV	209.00	150	Vertical	Pass
3	2369.100	44.33	-12.48	74.0	29.67	Peak	202.00	150	Vertical	Pass
3**	2369.100	36.17	-12.48	54.0	17.83	AV	202.00	150	Vertical	Pass
4	4846.400	54.61	-2.64	74.0	19.39	Peak	77.00	200	Vertical	Pass
4**	4846.400	44.89	-2.64	54.0	9.11	AV	77.00	200	Vertical	Pass
5	5181.200	84.56	-2.66	--	--	Peak	88.00	200	Vertical	N/A
5**	5181.200	76.72	-2.66	--	--	AV	88.00	200	Vertical	N/A
6	10943.925	52.87	-0.11	74.0	21.13	Peak	343.00	150	Vertical	Pass
6**	10943.925	42.50	-0.11	54.0	11.50	AV	343.00	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	1440.000	54.29	-17.24	74.0	19.71	Peak	270.00	400	Horizontal	Pass
1**	1440.000	50.39	-17.24	54.0	3.61	AV	270.00	400	Horizontal	Pass
2	1440.100	54.14	-17.23	74.0	19.86	Peak	270.00	150	Horizontal	Pass
2**	1440.100	50.79	-17.23	54.0	3.21	AV	270.00	150	Horizontal	Pass
3	4219.800	52.51	-4.52	74.0	21.49	Peak	64.00	400	Horizontal	Pass
3**	4219.800	48.00	-4.52	54.0	6.00	AV	64.00	400	Horizontal	Pass
4	5218.600	89.81	-2.84	--	--	Peak	341.00	100	Horizontal	N/A
4**	5218.600	81.87	-2.84	--	--	AV	341.00	100	Horizontal	N/A
5	7679.363	50.08	-2.43	74.0	23.92	Peak	239.00	400	Horizontal	Pass
5**	7679.363	40.80	-2.43	54.0	13.20	AV	239.00	400	Horizontal	Pass
6	12443.813	52.86	1.80	74.0	21.14	Peak	0.00	100	Horizontal	Pass
6**	12443.813	43.91	1.80	54.0	10.09	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	52.28	-17.25	74.0	21.72	Peak	203.00	300	Vertical	Pass
1**	1439.900	48.93	-17.25	54.0	5.07	AV	203.00	300	Vertical	Pass
2	1440.200	51.68	-17.22	74.0	22.32	Peak	203.00	150	Vertical	Pass
2**	1440.200	50.06	-17.22	54.0	3.94	AV	203.00	150	Vertical	Pass
3	4176.200	53.67	-4.81	74.0	20.33	Peak	244.00	100	Vertical	Pass
3**	4176.200	41.96	-4.81	54.0	12.04	AV	244.00	100	Vertical	Pass
4	5215.800	87.09	-2.59	--	--	Peak	116.00	150	Vertical	N/A
4**	5215.800	79.72	-2.59	--	--	AV	116.00	150	Vertical	N/A
5	12430.300	53.11	1.56	74.0	20.89	Peak	251.00	100	Vertical	Pass
5**	12430.300	42.98	1.56	54.0	11.02	AV	251.00	100	Vertical	Pass
6	15635.138	56.37	1.55	74.0	17.63	Peak	107.00	300	Vertical	Pass
6**	15635.138	46.13	1.55	54.0	7.87	AV	107.00	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	1439.600	54.00	-17.28	74.0	20.00	Peak	261.00	150	Horizontal	Pass
1**	1439.600	49.94	-17.28	54.0	3.06	AV	261.00	150	Horizontal	Pass
2	1439.700	54.59	-17.27	74.0	19.41	Peak	261.00	400	Horizontal	Pass
2**	1439.700	48.87	-17.27	54.0	5.13	AV	261.00	400	Horizontal	Pass
3	4219.800	51.32	-4.52	74.0	22.68	Peak	50.00	300	Horizontal	Pass
3**	4219.800	45.31	-4.52	54.0	8.69	AV	50.00	300	Horizontal	Pass
4	5242.200	91.65	-2.44	--	--	Peak	212.00	150	Horizontal	N/A
4**	5242.200	84.31	-2.44	--	--	AV	212.00	150	Horizontal	N/A
5	7345.288	50.12	-3.50	74.0	23.88	Peak	270.00	200	Horizontal	Pass
5**	7345.288	40.43	-3.50	54.0	13.57	AV	270.00	200	Horizontal	Pass
6	12553.925	52.67	1.55	74.0	21.33	Peak	131.00	150	Horizontal	Pass
6**	12553.925	43.09	1.55	54.0	10.91	AV	131.00	150	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	1439.800	51.99	-17.26	74.0	22.01	Peak	206.00	100	Vertical	Pass
1**	1439.800	48.80	-17.26	54.0	5.20	AV	206.00	100	Vertical	Pass
2	1440.200	51.71	-17.22	74.0	22.29	Peak	198.00	150	Vertical	Pass
2**	1440.200	50.15	-17.22	54.0	3.85	AV	198.00	150	Vertical	Pass
3	5242.000	88.28	-2.48	--	--	Peak	107.00	100	Vertical	N/A
3**	5242.000	80.10	-2.48	--	--	AV	107.00	100	Vertical	N/A
4	7340.975	50.59	-3.07	74.0	23.41	Peak	208.00	400	Vertical	Pass
4**	7340.975	40.49	-3.07	54.0	13.51	AV	208.00	400	Vertical	Pass
5	12602.225	53.45	1.91	74.0	20.55	Peak	30.00	100	Vertical	Pass
5**	12602.225	43.87	1.91	54.0	10.13	AV	30.00	100	Vertical	Pass
6	15800.250	55.93	2.33	74.0	18.07	Peak	122.00	200	Vertical	Pass
6**	15800.250	46.49	2.33	54.0	7.51	AV	122.00	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	1439.600	54.57	-17.28	74.0	19.43	Peak	265.00	300	Horizontal	Pass
1**	1439.600	49.23	-17.28	54.0	4.77	AV	265.00	300	Horizontal	Pass
2	1439.800	54.09	-17.26	74.0	19.91	Peak	265.00	150	Horizontal	Pass
2**	1439.800	50.75	-17.26	54.0	3.25	AV	265.00	150	Horizontal	Pass
3	4219.600	51.85	-4.55	74.0	22.15	Peak	52.00	400	Horizontal	Pass
3**	4219.600	43.51	-4.55	54.0	10.49	AV	52.00	400	Horizontal	Pass
4	5178.800	86.77	-2.53	--	--	Peak	201.00	150	Horizontal	N/A
4**	5178.800	77.93	-2.53	--	--	AV	201.00	150	Horizontal	N/A
5	7375.187	49.90	-3.76	74.0	24.10	Peak	11.00	200	Horizontal	Pass
5**	7375.187	39.85	-3.76	54.0	14.15	AV	11.00	200	Horizontal	Pass
6	11922.288	53.36	1.51	74.0	20.64	Peak	124.00	100	Horizontal	Pass
6**	11922.288	44.04	1.51	54.0	9.96	AV	124.00	100	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	1439.600	52.03	-17.28	74.0	21.97	Peak	207.00	400	Vertical	Pass
1**	1439.600	48.46	-17.28	54.0	5.54	AV	207.00	400	Vertical	Pass
2	4144.000	54.69	-4.69	74.0	19.31	Peak	54.00	200	Vertical	Pass
2**	4144.000	40.55	-4.69	54.0	13.45	AV	54.00	200	Vertical	Pass
3	5176.800	84.17	-2.52	--	--	Peak	66.00	150	Vertical	N/A
3**	5176.800	77.18	-2.52	--	--	AV	66.00	150	Vertical	N/A
4	7348.450	49.77	-3.77	74.0	24.23	Peak	36.00	200	Vertical	Pass
4**	7348.450	39.95	-3.77	54.0	14.05	AV	36.00	200	Vertical	Pass
5	12311.562	53.27	1.38	74.0	20.73	Peak	157.00	100	Vertical	Pass
5**	12311.562	43.76	1.38	54.0	10.24	AV	157.00	100	Vertical	Pass
6	15793.688	55.91	2.13	74.0	18.09	Peak	360.00	100	Vertical	Pass
6**	15793.688	47.26	2.13	54.0	6.74	AV	360.00	100	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	1439.800	54.41	-17.26	74.0	19.59	Peak	268.00	100	Horizontal	Pass
1**	1439.800	50.98	-17.26	54.0	3.02	AV	268.00	100	Horizontal	Pass
2	1440.000	53.64	-17.24	74.0	20.36	Peak	268.00	150	Horizontal	Pass
2**	1440.000	50.88	-17.24	54.0	3.12	AV	268.00	150	Horizontal	Pass
3	4220.600	51.86	-4.40	74.0	22.14	Peak	57.00	100	Horizontal	Pass
3**	4220.600	46.85	-4.40	54.0	7.15	AV	57.00	100	Horizontal	Pass
4	5223.800	90.56	-2.68	--	--	Peak	212.00	100	Horizontal	N/A
4**	5223.800	82.08	-2.68	--	--	AV	212.00	100	Horizontal	N/A
5	7628.188	49.73	-2.87	74.0	24.27	Peak	263.00	100	Horizontal	Pass
5**	7628.188	40.39	-2.87	54.0	13.61	AV	263.00	100	Horizontal	Pass
6	12424.838	53.01	1.43	74.0	20.99	Peak	36.00	200	Horizontal	Pass
6**	12424.838	43.38	1.43	54.0	10.62	AV	36.00	200	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	1439.600	52.28	-17.28	74.0	21.72	Peak	213.00	200	Vertical	Pass
1**	1439.600	49.43	-17.28	54.0	4.57	AV	213.00	200	Vertical	Pass
2	4381.000	50.28	-3.49	74.0	23.72	Peak	160.00	200	Vertical	Pass
2**	4381.000	41.74	-3.49	54.0	12.26	AV	160.00	200	Vertical	Pass
3	5222.600	86.69	-2.70	--	--	Peak	120.00	150	Vertical	N/A
3**	5222.600	79.34	-2.70	--	--	AV	120.00	150	Vertical	N/A
4	7367.712	49.83	-3.81	74.0	24.17	Peak	206.00	100	Vertical	Pass
4**	7367.712	39.90	-3.81	54.0	14.10	AV	206.00	100	Vertical	Pass
5	12274.763	54.06	1.61	74.0	19.94	Peak	298.00	200	Vertical	Pass
5**	12274.763	43.33	1.61	54.0	10.67	AV	298.00	200	Vertical	Pass
6	15657.713	58.57	1.23	74.0	15.43	Peak	291.00	400	Vertical	Pass
6**	15657.713	46.53	1.23	54.0	7.47	AV	291.00	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	1440.100	53.96	-17.23	74.0	20.04	Peak	257.00	150	Horizontal	Pass
1**	1440.100	50.69	-17.23	54.0	3.31	AV	257.00	150	Horizontal	Pass
2	4220.400	51.49	-4.42	74.0	22.51	Peak	49.00	400	Horizontal	Pass
2**	4220.400	44.07	-4.42	54.0	9.93	AV	49.00	400	Horizontal	Pass
3	5238.200	90.20	-2.56	--	--	Peak	214.00	200	Horizontal	N/A
3**	5238.200	82.20	-2.56	--	--	AV	214.00	200	Horizontal	N/A
4	7340.112	49.89	-2.98	74.0	24.11	Peak	0.00	200	Horizontal	Pass
4**	7340.112	40.93	-2.98	54.0	13.07	AV	0.00	200	Horizontal	Pass
5	12609.412	53.41	1.89	74.0	20.59	Peak	0.00	200	Horizontal	Pass
5**	12609.412	43.39	1.89	54.0	10.61	AV	0.00	200	Horizontal	Pass
6	15800.776	56.00	2.32	74.0	18.00	Peak	72.00	300	Horizontal	Pass
6**	15800.776	46.65	2.32	54.0	7.35	AV	72.00	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	1440.600	51.93	-17.17	74.0	22.07	Peak	206.00	400	Vertical	Pass
1**	1440.600	47.98	-17.17	54.0	6.02	AV	206.00	400	Vertical	Pass
2	4379.600	50.89	-3.30	74.0	23.11	Peak	325.00	100	Vertical	Pass
2**	4379.600	42.86	-3.30	54.0	11.14	AV	325.00	100	Vertical	Pass
3	5238.000	87.99	-2.55	--	--	Peak	106.00	200	Vertical	N/A
3**	5238.000	80.66	-2.55	--	--	AV	106.00	200	Vertical	N/A
4	7343.275	49.65	-3.35	74.0	24.35	Peak	0.00	200	Vertical	Pass
4**	7343.275	40.70	-3.35	54.0	13.30	AV	0.00	200	Vertical	Pass
5	12286.550	53.19	1.74	74.0	20.81	Peak	75.00	150	Vertical	Pass
5**	12286.550	43.91	1.74	54.0	10.09	AV	75.00	150	Vertical	Pass
6	15798.150	56.38	2.27	74.0	17.62	Peak	360.00	200	Vertical	Pass
6**	15798.150	47.05	2.27	54.0	6.95	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	54.21	-17.24	74.0	19.79	Peak	264.00	150	Horizontal	Pass
1**	1440.000	50.02	-17.24	54.0	3.98	AV	264.00	150	Horizontal	Pass
2	4378.400	50.55	-3.42	74.0	23.45	Peak	328.00	300	Horizontal	Pass
2**	4378.400	41.37	-3.42	54.0	12.63	AV	328.00	300	Horizontal	Pass
3	5187.200	86.61	-2.38	--	--	Peak	207.00	200	Horizontal	N/A
3**	5187.200	79.72	-2.38	--	--	AV	207.00	200	Horizontal	N/A
4	7325.737	49.51	-3.44	74.0	24.49	Peak	91.00	400	Horizontal	Pass
4**	7325.737	40.38	-3.44	54.0	13.62	AV	91.00	400	Horizontal	Pass
5	11795.787	52.49	0.90	74.0	21.51	Peak	0.00	200	Horizontal	Pass
5**	11795.787	43.12	0.90	54.0	10.88	AV	0.00	200	Horizontal	Pass
6	15863.250	56.31	0.85	74.0	17.69	Peak	319.00	100	Horizontal	Pass
6**	15863.250	46.26	0.85	54.0	7.74	AV	319.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	52.54	-17.23	74.0	21.46	Peak	199.00	300	Vertical	Pass
1**	1440.100	49.65	-17.23	54.0	4.35	AV	199.00	300	Vertical	Pass
2	4219.600	50.47	-4.55	74.0	23.53	Peak	80.00	100	Vertical	Pass
2**	4219.600	43.01	-4.55	54.0	10.99	AV	80.00	100	Vertical	Pass
3	5179.600	81.56	-2.59	--	--	Peak	93.00	100	Vertical	N/A
3**	5179.600	72.79	-2.59	--	--	AV	93.00	100	Vertical	N/A
4	7345.862	49.62	-3.52	74.0	24.38	Peak	21.00	400	Vertical	Pass
4**	7345.862	40.25	-3.52	54.0	13.75	AV	21.00	400	Vertical	Pass
5	12259.812	52.75	1.07	74.0	21.25	Peak	298.00	200	Vertical	Pass
5**	12259.812	43.38	1.07	54.0	10.62	AV	298.00	200	Vertical	Pass
6	15398.887	55.73	0.74	74.0	18.27	Peak	187.00	100	Vertical	Pass
6**	15398.887	45.89	0.74	54.0	8.11	AV	187.00	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	1439.800	54.22	-17.26	74.0	19.78	Peak	260.00	200	Horizontal	Pass
1**	1439.800	50.05	-17.26	54.0	3.95	AV	260.00	200	Horizontal	Pass
2	4219.800	52.04	-4.52	74.0	21.96	Peak	65.00	100	Horizontal	Pass
2**	4219.800	44.04	-4.52	54.0	9.96	AV	65.00	100	Horizontal	Pass
3	5232.000	86.92	-2.60	--	--	Peak	340.00	200	Horizontal	N/A
3**	5232.000	79.14	-2.60	--	--	AV	340.00	200	Horizontal	N/A
4	7320.275	49.94	-3.07	74.0	24.06	Peak	342.00	200	Horizontal	Pass
4**	7320.275	40.56	-3.07	54.0	13.44	AV	342.00	200	Horizontal	Pass
5	12233.362	53.14	1.21	74.0	20.86	Peak	47.00	200	Horizontal	Pass
5**	12233.362	43.79	1.21	54.0	10.21	AV	47.00	200	Horizontal	Pass
6	15613.350	55.97	1.41	74.0	18.03	Peak	116.00	100	Horizontal	Pass
6**	15613.350	46.53	1.41	54.0	7.47	AV	116.00	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	1440.200	51.77	-17.22	74.0	22.23	Peak	204.00	200	Vertical	Pass
1**	1440.200	49.65	-17.22	54.0	4.35	AV	204.00	200	Vertical	Pass
2	4389.400	50.33	-3.35	74.0	23.67	Peak	323.00	100	Vertical	Pass
2**	4389.400	41.90	-3.35	54.0	12.10	AV	323.00	100	Vertical	Pass
3	5225.400	83.07	-2.55	--	--	Peak	95.00	150	Vertical	N/A
3**	5225.400	76.43	-2.55	--	--	AV	95.00	150	Vertical	N/A
4	7344.425	49.16	-3.47	74.0	24.84	Peak	233.00	300	Vertical	Pass
4**	7344.425	40.36	-3.47	54.0	13.64	AV	233.00	300	Vertical	Pass
5	12232.212	52.88	1.24	74.0	21.12	Peak	275.00	150	Vertical	Pass
5**	12232.212	44.16	1.24	54.0	9.84	AV	275.00	150	Vertical	Pass
6	15838.312	55.72	1.45	74.0	18.28	Peak	25.00	100	Vertical	Pass
6**	15838.312	46.33	1.45	54.0	7.67	AV	25.00	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	1440.100	54.71	-17.23	74.0	19.29	Peak	268.00	400	Horizontal	Pass
1**	1440.100	49.48	-17.23	54.0	4.52	AV	268.00	400	Horizontal	Pass
2	1440.200	54.33	-17.22	74.0	19.67	Peak	268.00	150	Horizontal	Pass
2**	1440.200	50.17	-17.22	54.0	3.83	AV	268.00	150	Horizontal	Pass
3	4380.600	51.06	-3.42	74.0	22.94	Peak	212.00	400	Horizontal	Pass
3**	4380.600	41.63	-3.42	54.0	12.37	AV	212.00	400	Horizontal	Pass
4	5181.600	87.37	-2.63	--	--	Peak	212.00	150	Horizontal	N/A
4**	5181.600	79.52	-2.63	--	--	AV	212.00	150	Horizontal	N/A
5	7364.263	50.65	-3.56	74.0	23.35	Peak	0.00	400	Horizontal	Pass
5**	7364.263	40.75	-3.56	54.0	13.25	AV	0.00	400	Horizontal	Pass
6	12609.125	53.50	1.90	74.0	20.50	Peak	257.00	150	Horizontal	Pass
6**	12609.125	43.52	1.90	54.0	10.48	AV	257.00	150	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	1440.200	52.23	-17.22	74.0	21.77	Peak	205.00	200	Vertical	Pass
1**	1440.200	50.40	-17.22	54.0	3.60	AV	205.00	200	Vertical	Pass
2	4220.400	51.18	-4.42	74.0	22.82	Peak	77.00	200	Vertical	Pass
2**	4220.400	44.29	-4.42	54.0	9.71	AV	77.00	200	Vertical	Pass
3	5187.600	84.22	-2.36	--	--	Peak	77.00	200	Vertical	N/A
3**	5187.600	75.59	-2.36	--	--	AV	77.00	200	Vertical	N/A
4	7350.750	49.35	-3.65	74.0	24.65	Peak	108.00	300	Vertical	Pass
4**	7350.750	40.50	-3.65	54.0	13.50	AV	108.00	300	Vertical	Pass
5	12321.050	53.08	1.42	74.0	20.92	Peak	320.00	200	Vertical	Pass
5**	12321.050	43.91	1.42	54.0	10.09	AV	320.00	200	Vertical	Pass
6	16152.001	56.41	0.97	74.0	17.59	Peak	238.00	400	Vertical	Pass
6**	16152.001	45.77	0.97	54.0	8.23	AV	238.00	400	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	1440.100	54.47	-17.23	74.0	19.53	Peak	258.00	150	Horizontal	Pass
1**	1440.100	50.81	-17.23	54.0	3.19	AV	258.00	150	Horizontal	Pass
2	4220.400	50.48	-4.42	74.0	23.52	Peak	53.00	300	Horizontal	Pass
2**	4220.400	44.22	-4.42	54.0	9.78	AV	53.00	300	Horizontal	Pass
3	5223.200	87.91	-2.71	--	--	Peak	336.00	100	Horizontal	N/A
3**	5223.200	80.53	-2.71	--	--	AV	336.00	100	Horizontal	N/A
4	7381.225	50.29	-3.41	74.0	23.71	Peak	173.00	200	Horizontal	Pass
4**	7381.225	41.43	-3.41	54.0	12.57	AV	173.00	200	Horizontal	Pass
5	12348.363	52.69	1.24	74.0	21.31	Peak	0.00	200	Horizontal	Pass
5**	12348.363	42.66	1.24	54.0	11.34	AV	0.00	200	Horizontal	Pass
6	15838.050	55.65	1.45	74.0	18.35	Peak	169.00	200	Horizontal	Pass
6**	15838.050	47.11	1.45	54.0	6.89	AV	169.00	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	1440.300	51.87	-17.21	74.0	22.13	Peak	195.00	400	Vertical	Pass
1**	1440.300	49.28	-17.21	54.0	4.72	AV	195.00	400	Vertical	Pass
2	4220.200	50.25	-4.45	74.0	23.75	Peak	89.00	100	Vertical	Pass
2**	4220.200	44.03	-4.45	54.0	9.97	AV	89.00	100	Vertical	Pass
3	5223.600	86.72	-2.70	--	--	Peak	63.00	150	Vertical	N/A
3**	5223.600	78.92	-2.70	--	--	AV	63.00	150	Vertical	N/A
4	7685.112	49.32	-2.29	74.0	24.68	Peak	252.00	300	Vertical	Pass
4**	7685.112	41.23	-2.29	54.0	12.77	AV	252.00	300	Vertical	Pass
5	12601.650	52.79	1.91	74.0	21.21	Peak	188.00	150	Vertical	Pass
5**	12601.650	43.45	1.91	54.0	10.55	AV	188.00	150	Vertical	Pass
6	15673.201	57.58	1.50	74.0	16.42	Peak	298.00	200	Vertical	Pass
6**	15673.201	46.80	1.50	54.0	7.20	AV	298.00	200	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	1439.800	54.73	-17.26	74.0	19.27	Peak	265.00	200	Horizontal	Pass
1**	1439.800	50.21	-17.26	54.0	3.79	AV	265.00	200	Horizontal	Pass
2	4219.800	50.77	-4.52	74.0	23.23	Peak	72.00	300	Horizontal	Pass
2**	4219.800	44.55	-4.52	54.0	9.45	AV	72.00	300	Horizontal	Pass
3	5241.200	91.28	-2.61	--	--	Peak	212.00	200	Horizontal	N/A
3**	5241.200	83.72	-2.61	--	--	AV	212.00	200	Horizontal	N/A
4	7339.537	49.45	-2.93	74.0	24.55	Peak	187.00	100	Horizontal	Pass
4**	7339.537	41.16	-2.93	54.0	12.84	AV	187.00	100	Horizontal	Pass
5	12312.138	53.25	1.38	74.0	20.75	Peak	132.00	150	Horizontal	Pass
5**	12312.138	43.66	1.38	54.0	10.34	AV	132.00	150	Horizontal	Pass
6	15655.612	56.11	1.20	74.0	17.89	Peak	0.00	300	Horizontal	Pass
6**	15655.612	46.87	1.20	54.0	7.13	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	1439.600	52.67	-17.28	74.0	21.33	Peak	206.00	400	Vertical	Pass
1**	1439.600	48.72	-17.28	54.0	5.28	AV	206.00	400	Vertical	Pass
2	4220.400	50.30	-4.42	74.0	23.70	Peak	82.00	400	Vertical	Pass
2**	4220.400	44.09	-4.42	54.0	9.91	AV	82.00	400	Vertical	Pass
3	5238.400	87.12	-2.57	--	--	Peak	82.00	200	Vertical	N/A
3**	5238.400	79.90	-2.57	--	--	AV	82.00	200	Vertical	N/A
4	7384.675	50.18	-3.68	74.0	23.82	Peak	234.00	300	Vertical	Pass
4**	7384.675	40.55	-3.68	54.0	13.45	AV	234.00	300	Vertical	Pass
5	12442.087	53.20	1.79	74.0	20.80	Peak	307.00	100	Vertical	Pass
5**	12442.087	44.17	1.79	54.0	9.83	AV	307.00	100	Vertical	Pass
6	15712.838	56.77	0.55	74.0	17.23	Peak	289.00	400	Vertical	Pass
6**	15712.838	45.58	0.55	54.0	8.42	AV	289.00	400	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	1439.700	54.43	-17.27	74.0	19.57	Peak	268.00	200	Horizontal	Pass
1**	1439.700	50.61	-17.27	54.0	3.39	AV	268.00	200	Horizontal	Pass
2	4220.400	51.03	-4.42	74.0	22.97	Peak	45.00	200	Horizontal	Pass
2**	4220.400	46.29	-4.42	54.0	7.71	AV	45.00	200	Horizontal	Pass
3	5205.000	85.02	-2.28	--	--	Peak	219.00	100	Horizontal	N/A
3**	5205.000	77.08	-2.28	--	--	AV	219.00	100	Horizontal	N/A
4	7339.537	49.43	-2.93	74.0	24.57	Peak	54.00	400	Horizontal	Pass
4**	7339.537	41.46	-2.93	54.0	12.54	AV	54.00	400	Horizontal	Pass
5	11944.138	53.25	1.56	74.0	20.75	Peak	0.00	150	Horizontal	Pass
5**	11944.138	43.60	1.56	54.0	10.40	AV	0.00	150	Horizontal	Pass
6	15852.488	56.10	1.26	74.0	17.90	Peak	173.00	300	Horizontal	Pass
6**	15852.488	46.08	1.26	54.0	7.92	AV	173.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	51.91	-17.23	74.0	22.09	Peak	258.00	200	Vertical	Pass
1**	1440.100	50.30	-17.23	54.0	3.70	AV	258.00	200	Vertical	Pass
2	4220.400	51.04	-4.42	74.0	22.96	Peak	55.00	400	Vertical	Pass
2**	4220.400	44.33	-4.42	54.0	9.67	AV	55.00	400	Vertical	Pass
3	5200.400	82.39	-2.18	--	--	Peak	113.00	150	Vertical	N/A
3**	5200.400	74.99	-2.18	--	--	AV	113.00	150	Vertical	N/A
4	7383.525	51.71	-3.51	74.0	22.29	Peak	44.00	200	Vertical	Pass
4**	7383.525	41.00	-3.51	54.0	13.00	AV	44.00	200	Vertical	Pass
5	12439.213	53.18	1.77	74.0	20.82	Peak	63.00	150	Vertical	Pass
5**	12439.213	43.77	1.77	54.0	10.23	AV	63.00	150	Vertical	Pass
6	16082.437	56.35	1.59	74.0	17.65	Peak	259.00	300	Vertical	Pass
6**	16082.437	47.45	1.59	54.0	6.55	AV	259.00	300	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	1439.600	54.60	-17.28	74.0	19.40	Peak	261.00	300	Horizontal	Pass
1**	1439.600	50.36	-17.28	54.0	3.04	AV	261.00	300	Horizontal	Pass
2	4220.200	51.74	-4.45	74.0	22.26	Peak	46.00	300	Horizontal	Pass
2**	4220.200	46.53	-4.45	54.0	7.47	AV	46.00	300	Horizontal	Pass
3	5234.000	88.00	-2.83	--	--	Peak	218.00	150	Horizontal	N/A
3**	5234.000	79.86	-2.83	--	--	AV	218.00	150	Horizontal	N/A
4	7319.700	49.34	-3.04	74.0	24.66	Peak	199.00	300	Horizontal	Pass
4**	7319.700	40.51	-3.04	54.0	13.49	AV	199.00	300	Horizontal	Pass
5	12241.125	52.71	1.05	74.0	21.29	Peak	7.00	100	Horizontal	Pass
5**	12241.125	44.29	1.05	54.0	9.71	AV	7.00	100	Horizontal	Pass
6	15837.000	55.49	1.45	74.0	18.51	Peak	325.00	200	Horizontal	Pass
6**	15837.000	46.34	1.45	54.0	7.66	AV	325.00	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	1440.300	52.14	-17.21	74.0	21.86	Peak	197.00	400	Vertical	Pass
1**	1440.300	50.32	-17.21	54.0	3.68	AV	197.00	400	Vertical	Pass
2	4296.800	50.60	-4.00	74.0	23.40	Peak	344.00	300	Vertical	Pass
2**	4296.800	41.74	-4.00	54.0	12.26	AV	344.00	300	Vertical	Pass
3	5232.400	83.60	-2.65	--	--	Peak	73.00	150	Vertical	N/A
3**	5232.400	76.01	-2.65	--	--	AV	73.00	150	Vertical	N/A
4	7319.700	49.88	-3.04	74.0	24.12	Peak	246.00	400	Vertical	Pass
4**	7319.700	40.22	-3.04	54.0	13.78	AV	246.00	400	Vertical	Pass
5	12698.825	53.20	0.84	74.0	20.80	Peak	228.00	100	Vertical	Pass
5**	12698.825	43.40	0.84	54.0	10.60	AV	228.00	100	Vertical	Pass
6	15671.625	55.69	1.46	74.0	18.31	Peak	164.00	300	Vertical	Pass
6**	15671.625	45.88	1.46	54.0	8.12	AV	164.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	54.70	-17.26	74.0	19.30	Peak	264.00	400	Horizontal	Pass
1**	1439.800	50.96	-17.26	54.0	3.04	AV	264.00	400	Horizontal	Pass
2	4207.800	53.85	-4.58	74.0	20.15	Peak	315.00	300	Horizontal	Pass
2**	4207.800	45.22	-4.58	54.0	8.78	AV	315.00	300	Horizontal	Pass
3	5257.800	87.82	-1.77	--	--	Peak	341.00	200	Horizontal	N/A
3**	5257.800	79.60	-1.77	--	--	AV	341.00	200	Horizontal	N/A
4	7686.263	49.93	-1.94	74.0	24.07	Peak	0.00	100	Horizontal	Pass
4**	7686.263	40.78	-1.94	54.0	13.22	AV	0.00	100	Horizontal	Pass
5	11995.312	52.51	1.22	74.0	21.49	Peak	7.00	200	Horizontal	Pass
5**	11995.312	43.07	1.22	54.0	10.93	AV	7.00	200	Horizontal	Pass
6	15845.662	55.79	1.36	74.0	18.21	Peak	184.00	300	Horizontal	Pass
6**	15845.662	47.12	1.36	54.0	6.88	AV	184.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	51.95	-17.25	74.0	22.05	Peak	204.00	200	Vertical	Pass
1**	1439.900	48.70	-17.25	54.0	5.30	AV	204.00	200	Vertical	Pass
2	4220.000	50.51	-4.49	74.0	23.49	Peak	188.00	200	Vertical	Pass
2**	4220.000	45.36	-4.49	54.0	8.64	AV	188.00	200	Vertical	Pass
3	5263.600	85.18	-2.54	--	--	Peak	108.00	150	Vertical	N/A
3**	5263.600	78.41	-2.54	--	--	AV	108.00	150	Vertical	N/A
4	7273.700	49.90	-2.86	74.0	24.10	Peak	23.00	100	Vertical	Pass
4**	7273.700	39.78	-2.86	54.0	14.22	AV	23.00	100	Vertical	Pass
5	12278.787	52.88	1.76	74.0	21.12	Peak	299.00	100	Vertical	Pass
5**	12278.787	43.39	1.76	54.0	10.61	AV	299.00	100	Vertical	Pass
6	16066.950	55.88	1.22	74.0	18.12	Peak	206.00	100	Vertical	Pass
6**	16066.950	45.84	1.22	54.0	8.16	AV	206.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	54.59	-17.24	74.0	19.41	Peak	271.00	150	Horizontal	Pass
1**	1440.000	50.21	-17.24	54.0	3.79	AV	271.00	150	Horizontal	Pass
2	4219.400	50.92	-4.59	74.0	23.08	Peak	49.00	200	Horizontal	Pass
2**	4219.400	43.60	-4.59	54.0	10.40	AV	49.00	200	Horizontal	Pass
3	5301.800	92.83	-2.74	--	--	Peak	209.00	100	Horizontal	N/A
3**	5301.800	85.05	-2.74	--	--	AV	209.00	100	Horizontal	N/A
4	7350.750	49.37	-3.65	74.0	24.63	Peak	145.00	300	Horizontal	Pass
4**	7350.750	41.21	-3.65	54.0	12.79	AV	145.00	300	Horizontal	Pass
5	12246.300	52.99	1.00	74.0	21.01	Peak	81.00	200	Horizontal	Pass
5**	12246.300	43.41	1.00	54.0	10.59	AV	81.00	200	Horizontal	Pass
6	15669.526	56.21	1.42	74.0	17.79	Peak	209.00	100	Horizontal	Pass
6**	15669.526	45.77	1.42	54.0	8.23	AV	209.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	52.65	-17.22	74.0	21.35	Peak	201.00	300	Vertical	Pass
1**	1440.200	50.23	-17.22	54.0	3.77	AV	201.00	300	Vertical	Pass
2	4386.400	50.22	-3.29	74.0	23.78	Peak	61.00	300	Vertical	Pass
2**	4386.400	41.52	-3.29	54.0	12.48	AV	61.00	300	Vertical	Pass
3	5298.800	87.18	-2.90	--	--	Peak	316.00	100	Vertical	N/A
3**	5298.800	79.08	-2.90	--	--	AV	316.00	100	Vertical	N/A
4	7748.075	49.89	-3.06	74.0	24.11	Peak	200.00	400	Vertical	Pass
4**	7748.075	40.42	-3.06	54.0	13.58	AV	200.00	400	Vertical	Pass
5	10601.224	58.58	-1.51	74.0	15.42	Peak	264.00	100	Vertical	Pass
5**	10601.224	46.37	-1.51	54.0	7.63	AV	264.00	100	Vertical	Pass
6	15797.888	56.17	2.26	74.0	17.83	Peak	170.00	200	Vertical	Pass
6**	15797.888	46.31	2.26	54.0	7.69	AV	170.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	54.08	-17.23	74.0	19.92	Peak	266.00	150	Horizontal	Pass
1**	1440.100	50.12	-17.23	54.0	3.88	AV	266.00	150	Horizontal	Pass
2	4220.200	50.98	-4.45	74.0	23.02	Peak	50.00	100	Horizontal	Pass
2**	4220.200	47.31	-4.45	54.0	6.69	AV	50.00	100	Horizontal	Pass
3	5319.000	89.79	-2.33	--	--	Peak	221.00	150	Horizontal	N/A
3**	5319.000	83.81	-2.33	--	--	AV	221.00	150	Horizontal	N/A
4	7384.963	49.78	-3.73	74.0	24.22	Peak	48.00	400	Horizontal	Pass
4**	7384.963	41.80	-3.73	54.0	12.20	AV	48.00	400	Horizontal	Pass
5	10638.026	53.29	-0.94	74.0	20.71	Peak	267.00	200	Horizontal	Pass
5**	10638.026	42.98	-0.94	54.0	11.02	AV	267.00	200	Horizontal	Pass
6	15802.350	55.62	2.30	74.0	18.38	Peak	112.00	300	Horizontal	Pass
6**	15802.350	47.02	2.30	54.0	6.98	AV	112.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	52.67	-17.28	74.0	21.33	Peak	193.00	400	Vertical	Pass
1**	1439.600	49.68	-17.28	54.0	4.32	AV	193.00	400	Vertical	Pass
2	1439.800	51.95	-17.26	74.0	22.05	Peak	211.00	150	Vertical	Pass
2**	1439.800	50.95	-17.26	54.0	3.05	AV	211.00	150	Vertical	Pass
3	4390.000	50.48	-3.32	74.0	23.52	Peak	53.00	300	Vertical	Pass
3**	4390.000	41.45	-3.32	54.0	12.55	AV	53.00	300	Vertical	Pass
4	5323.200	90.19	-1.79	--	--	Peak	327.00	200	Vertical	N/A
4**	5323.200	82.27	-1.79	--	--	AV	327.00	200	Vertical	N/A
5	10639.750	57.18	-0.90	74.0	16.82	Peak	215.00	150	Vertical	Pass
5**	10639.750	45.22	-0.90	54.0	8.78	AV	215.00	150	Vertical	Pass
6	10640.037	55.58	-0.90	74.0	18.42	Peak	215.00	150	Vertical	Pass
6**	10640.037	49.88	-0.90	54.0	4.12	AV	215.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	54.85	-17.25	74.0	19.15	Peak	266.00	300	Horizontal	Pass
1**	1439.900	49.75	-17.25	54.0	4.25	AV	266.00	300	Horizontal	Pass
2	1440.000	54.32	-17.24	74.0	19.68	Peak	260.00	150	Horizontal	Pass
2**	1440.000	49.95	-17.24	54.0	4.05	AV	260.00	150	Horizontal	Pass
3	4219.800	50.38	-4.52	74.0	23.62	Peak	208.00	200	Horizontal	Pass
3**	4219.800	44.64	-4.52	54.0	9.36	AV	208.00	200	Horizontal	Pass
4	5261.000	84.83	-1.99	--	--	Peak	324.00	200	Horizontal	N/A
4**	5261.000	77.11	-1.99	--	--	AV	324.00	200	Horizontal	N/A
5	7327.462	49.97	-3.43	74.0	24.03	Peak	120.00	100	Horizontal	Pass
5**	7327.462	41.00	-3.43	54.0	13.00	AV	120.00	100	Horizontal	Pass
6	12367.625	53.07	1.23	74.0	20.93	Peak	86.00	100	Horizontal	Pass
6**	12367.625	43.23	1.23	54.0	10.77	AV	86.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	52.77	-17.22	74.0	21.23	Peak	197.00	100	Vertical	Pass
1**	1440.200	50.39	-17.22	54.0	3.61	AV	197.00	100	Vertical	Pass
2	4207.200	52.41	-4.59	74.0	21.59	Peak	120.00	100	Vertical	Pass
2**	4207.200	39.55	-4.59	54.0	14.45	AV	120.00	100	Vertical	Pass
3	5263.600	85.72	-2.54	--	--	Peak	242.00	100	Vertical	N/A
3**	5263.600	77.58	-2.54	--	--	AV	242.00	100	Vertical	N/A
4	7384.675	51.20	-3.68	74.0	22.80	Peak	61.00	400	Vertical	Pass
4**	7384.675	44.02	-3.68	54.0	9.98	AV	61.00	400	Vertical	Pass
5	12405.862	53.26	1.47	74.0	20.74	Peak	0.00	200	Vertical	Pass
5**	12405.862	43.78	1.47	54.0	10.22	AV	0.00	200	Vertical	Pass
6	16133.363	55.55	1.05	74.0	18.45	Peak	236.00	300	Vertical	Pass
6**	16133.363	46.96	1.05	54.0	7.04	AV	236.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	54.21	-17.26	74.0	19.79	Peak	264.00	150	Horizontal	Pass
1**	1439.800	50.19	-17.26	54.0	3.81	AV	264.00	150	Horizontal	Pass
2	3676.800	51.39	-5.19	74.0	22.61	Peak	28.00	400	Horizontal	Pass
2**	3676.800	39.86	-5.19	54.0	14.14	AV	28.00	400	Horizontal	Pass
3	5302.200	92.02	-2.72	--	--	Peak	204.00	200	Horizontal	N/A
3**	5302.200	83.97	-2.72	--	--	AV	204.00	200	Horizontal	N/A
4	7389.275	49.92	-3.96	74.0	24.08	Peak	25.00	300	Horizontal	Pass
4**	7389.275	39.57	-3.96	54.0	14.43	AV	25.00	300	Horizontal	Pass
5	12487.513	53.42	1.65	74.0	20.58	Peak	293.00	150	Horizontal	Pass
5**	12487.513	43.25	1.65	54.0	10.75	AV	293.00	150	Horizontal	Pass
6	16040.175	56.26	0.80	74.0	17.74	Peak	90.00	200	Horizontal	Pass
6**	16040.175	46.08	0.80	54.0	7.92	AV	90.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	53.04	-17.28	74.0	20.96	Peak	199.00	400	Vertical	Pass
1**	1439.600	49.51	-17.28	54.0	4.49	AV	199.00	400	Vertical	Pass
2	4385.800	50.54	-3.33	74.0	23.46	Peak	87.00	400	Vertical	Pass
2**	4385.800	41.58	-3.33	54.0	12.42	AV	87.00	400	Vertical	Pass
3	5299.400	91.28	-2.94	--	--	Peak	0.00	100	Vertical	N/A
3**	5299.400	83.88	-2.94	--	--	AV	0.00	100	Vertical	N/A
4	7339.250	49.48	-2.93	74.0	24.52	Peak	192.00	400	Vertical	Pass
4**	7339.250	40.76	-2.93	54.0	13.24	AV	192.00	400	Vertical	Pass
5	10601.513	54.43	-1.50	74.0	19.57	Peak	262.00	200	Vertical	Pass
5**	10601.513	45.13	-1.50	54.0	8.87	AV	262.00	200	Vertical	Pass
6	15829.913	55.51	1.50	74.0	18.49	Peak	16.00	300	Vertical	Pass
6**	15829.913	46.69	1.50	54.0	7.31	AV	16.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	54.30	-17.27	74.0	19.70	Peak	266.00	300	Horizontal	Pass
1**	1439.700	48.24	-17.27	54.0	5.76	AV	266.00	300	Horizontal	Pass
2	1439.800	54.26	-17.26	74.0	19.74	Peak	272.00	150	Horizontal	Pass
2**	1439.800	50.11	-17.26	54.0	3.89	AV	272.00	150	Horizontal	Pass
3	4255.600	55.76	-4.60	74.0	18.24	Peak	8.00	100	Horizontal	Pass
3**	4255.600	46.64	-4.60	54.0	7.36	AV	8.00	100	Horizontal	Pass
4	5322.200	94.92	-2.05	--	--	Peak	212.00	100	Horizontal	N/A
4**	5322.200	88.06	-2.05	--	--	AV	212.00	100	Horizontal	N/A
5	7337.812	50.32	-2.88	74.0	23.68	Peak	240.00	400	Horizontal	Pass
5**	7337.812	41.39	-2.88	54.0	12.61	AV	240.00	400	Horizontal	Pass
6	10638.312	49.48	-0.93	74.0	24.52	Peak	15.00	150	Horizontal	Pass
6**	10638.312	46.18	-0.93	54.0	7.82	AV	15.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	53.24	-17.24	74.0	20.76	Peak	197.00	200	Vertical	Pass
1**	1440.000	48.83	-17.24	54.0	5.17	AV	197.00	200	Vertical	Pass
2	4220.600	49.99	-4.40	74.0	24.01	Peak	64.00	200	Vertical	Pass
2**	4220.600	43.92	-4.40	54.0	10.08	AV	64.00	200	Vertical	Pass
3	5319.200	90.84	-2.33	--	--	Peak	190.00	100	Vertical	N/A
3**	5319.200	83.10	-2.33	--	--	AV	190.00	100	Vertical	N/A
4	7401.638	49.71	-3.92	74.0	24.29	Peak	59.00	400	Vertical	Pass
4**	7401.638	40.08	-3.92	54.0	13.92	AV	59.00	400	Vertical	Pass
5	10639.750	57.83	-0.90	74.0	16.17	Peak	234.00	100	Vertical	Pass
5**	10639.750	45.98	-0.90	54.0	8.02	AV	234.00	100	Vertical	Pass
6	10640.037	55.75	-0.90	74.0	18.25	Peak	234.00	150	Vertical	Pass
6**	10640.037	49.47	-0.90	54.0	4.53	AV	234.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	54.40	-17.25	74.0	19.60	Peak	271.00	150	Horizontal	Pass
1**	1439.900	48.64	-17.25	54.0	4.36	AV	271.00	150	Horizontal	Pass
2	1440.000	54.80	-17.24	74.0	19.20	Peak	265.00	400	Horizontal	Pass
2**	1440.000	48.46	-17.24	54.0	4.54	AV	265.00	400	Horizontal	Pass
3	4220.600	50.26	-4.40	74.0	23.74	Peak	315.00	400	Horizontal	Pass
3**	4220.600	44.51	-4.40	54.0	9.49	AV	315.00	400	Horizontal	Pass
4	5261.400	87.28	-2.05	--	--	Peak	213.00	200	Horizontal	N/A
4**	5261.400	78.71	-2.05	--	--	AV	213.00	200	Horizontal	N/A
5	12333.700	52.98	1.36	74.0	21.02	Peak	360.00	200	Horizontal	Pass
5**	12333.700	43.18	1.36	54.0	10.82	AV	360.00	200	Horizontal	Pass
6	15854.588	56.15	1.20	74.0	17.85	Peak	0.00	100	Horizontal	Pass
6**	15854.588	47.23	1.20	54.0	6.77	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	52.43	-17.26	74.0	21.57	Peak	198.00	100	Vertical	Pass
1**	1439.800	50.60	-17.26	54.0	3.40	AV	198.00	100	Vertical	Pass
2	1439.900	52.18	-17.25	74.0	21.82	Peak	198.00	150	Vertical	Pass
2**	1439.900	50.95	-17.25	54.0	3.05	AV	198.00	150	Vertical	Pass
3	4215.600	52.26	-4.59	74.0	21.74	Peak	52.00	300	Vertical	Pass
3**	4215.600	40.34	-4.59	54.0	13.66	AV	52.00	300	Vertical	Pass
4	5278.400	86.20	-2.43	--	--	Peak	318.00	150	Vertical	N/A
4**	5278.400	79.59	-2.43	--	--	AV	318.00	150	Vertical	N/A
5	7675.625	49.59	-2.51	74.0	24.41	Peak	169.00	400	Vertical	Pass
5**	7675.625	40.22	-2.51	54.0	13.78	AV	169.00	400	Vertical	Pass
6	10550.625	50.76	-0.64	68.2	17.44	Peak	267.00	150	Vertical	Pass
6**	10550.625	46.12	-0.64	--	--	AV	267.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	54.12	-17.25	74.0	19.88	Peak	200.00	150	Horizontal	Pass
1**	1439.900	50.84	-17.25	54.0	3.16	AV	200.00	150	Horizontal	Pass
2	1440.300	54.60	-17.21	74.0	19.40	Peak	270.00	200	Horizontal	Pass
2**	1440.300	49.45	-17.21	54.0	4.55	AV	270.00	200	Horizontal	Pass
3	4220.400	52.32	-4.42	74.0	21.68	Peak	50.00	400	Horizontal	Pass
3**	4220.400	46.86	-4.42	54.0	7.14	AV	50.00	400	Horizontal	Pass
4	5312.400	87.77	-2.34	--	--	Peak	223.00	200	Horizontal	N/A
4**	5312.400	79.80	-2.34	--	--	AV	223.00	200	Horizontal	N/A
5	7337.238	49.99	-2.96	74.0	24.01	Peak	185.00	400	Horizontal	Pass
5**	7337.238	40.77	-2.96	54.0	13.23	AV	185.00	400	Horizontal	Pass
6	12270.451	53.15	1.46	74.0	20.85	Peak	107.00	200	Horizontal	Pass
6**	12270.451	43.48	1.46	54.0	10.52	AV	107.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	52.82	-17.22	74.0	21.18	Peak	196.00	150	Vertical	Pass
1**	1440.200	50.97	-17.22	54.0	3.03	AV	196.00	150	Vertical	Pass
2	4386.200	50.52	-3.27	74.0	23.48	Peak	187.00	100	Vertical	Pass
2**	4386.200	41.25	-3.27	54.0	12.75	AV	187.00	100	Vertical	Pass
3	5308.400	87.95	-2.28	--	--	Peak	326.00	200	Vertical	N/A
3**	5308.400	81.02	-2.28	--	--	AV	326.00	200	Vertical	N/A
4	7331.487	50.03	-3.34	74.0	23.97	Peak	360.00	400	Vertical	Pass
4**	7331.487	40.59	-3.34	54.0	13.41	AV	360.00	400	Vertical	Pass
5	12279.937	53.01	1.80	74.0	20.99	Peak	213.00	100	Vertical	Pass
5**	12279.937	44.22	1.80	54.0	9.78	AV	213.00	100	Vertical	Pass
6	15617.287	55.61	1.55	74.0	18.39	Peak	176.00	200	Vertical	Pass
6**	15617.287	46.29	1.55	54.0	7.71	AV	176.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	54.95	-17.27	74.0	19.05	Peak	200.00	100	Horizontal	Pass
1**	1439.700	48.86	-17.27	54.0	5.14	AV	200.00	100	Horizontal	Pass
2	1439.800	54.12	-17.26	74.0	19.88	Peak	262.00	150	Horizontal	Pass
2**	1439.800	50.35	-17.26	54.0	3.65	AV	262.00	150	Horizontal	Pass
3	4220.200	51.34	-4.45	74.0	22.66	Peak	218.00	100	Horizontal	Pass
3**	4220.200	45.75	-4.45	54.0	8.25	AV	218.00	100	Horizontal	Pass
4	5258.600	90.56	-1.77	--	--	Peak	207.00	200	Horizontal	N/A
4**	5258.600	82.89	-1.77	--	--	AV	207.00	200	Horizontal	N/A
5	7468.050	49.82	-3.30	74.0	24.18	Peak	0.00	400	Horizontal	Pass
5**	7468.050	40.23	-3.30	54.0	13.77	AV	0.00	400	Horizontal	Pass
6	11218.201	53.91	-0.20	74.0	20.09	Peak	31.00	100	Horizontal	Pass
6**	11218.201	42.88	-0.20	54.0	11.12	AV	31.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	53.12	-17.25	74.0	20.88	Peak	196.00	400	Vertical	Pass
1**	1439.900	50.25	-17.25	54.0	3.75	AV	196.00	400	Vertical	Pass
2	1440.000	52.21	-17.24	74.0	21.79	Peak	196.00	150	Vertical	Pass
2**	1440.000	50.93	-17.24	54.0	3.07	AV	196.00	150	Vertical	Pass
3	4207.800	53.37	-4.58	74.0	20.63	Peak	70.00	300	Vertical	Pass
3**	4207.800	40.70	-4.58	54.0	13.30	AV	70.00	300	Vertical	Pass
4	5261.000	87.68	-1.99	--	--	Peak	319.00	100	Vertical	N/A
4**	5261.000	81.15	-1.99	--	--	AV	319.00	100	Vertical	N/A
5	10518.713	56.90	-0.79	68.2	11.30	Peak	219.00	150	Vertical	Pass
5**	10518.713	44.19	-0.79	--	--	AV	219.00	150	Vertical	N/A
6	10519.000	56.54	-0.80	68.2	11.66	Peak	219.00	150	Vertical	Pass
6**	10519.000	47.16	-0.80	--	--	AV	219.00	150	Vertical	N/A

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	54.22	-17.27	74.0	19.78	Peak	267.00	150	Horizontal	Pass
1**	1439.700	50.36	-17.27	54.0	3.64	AV	267.00	150	Horizontal	Pass
2	1439.800	54.81	-17.26	74.0	19.19	Peak	267.00	400	Horizontal	Pass
2**	1439.800	49.52	-17.26	54.0	4.48	AV	267.00	400	Horizontal	Pass
3	4219.800	50.69	-4.52	74.0	23.31	Peak	52.00	200	Horizontal	Pass
3**	4219.800	44.61	-4.52	54.0	9.39	AV	52.00	200	Horizontal	Pass
4	5302.600	91.86	-2.72	--	--	Peak	215.00	150	Horizontal	N/A
4**	5302.600	84.33	-2.72	--	--	AV	215.00	150	Horizontal	N/A
5	11949.600	52.90	1.41	74.0	21.10	Peak	346.00	200	Horizontal	Pass
5**	11949.600	43.27	1.41	54.0	10.73	AV	346.00	200	Horizontal	Pass
6	15663.487	55.85	1.32	74.0	18.15	Peak	80.00	400	Horizontal	Pass
6**	15663.487	45.97	1.32	54.0	8.03	AV	80.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	53.08	-17.27	74.0	20.92	Peak	195.00	150	Vertical	Pass
1**	1439.700	48.79	-17.27	54.0	5.21	AV	195.00	150	Vertical	Pass
2	1439.800	51.85	-17.26	74.0	22.15	Peak	200.00	150	Vertical	Pass
2**	1439.800	50.70	-17.26	54.0	3.30	AV	200.00	150	Vertical	Pass
3	4381.800	50.09	-3.63	74.0	23.91	Peak	181.00	100	Vertical	Pass
3**	4381.800	41.65	-3.63	54.0	12.35	AV	181.00	100	Vertical	Pass
4	5302.200	87.80	-2.72	--	--	Peak	88.00	150	Vertical	N/A
4**	5302.200	79.57	-2.72	--	--	AV	88.00	150	Vertical	N/A
5	10601.513	54.70	-1.50	74.0	19.30	Peak	249.00	100	Vertical	Pass
5**	10601.513	44.53	-1.50	54.0	9.47	AV	249.00	100	Vertical	Pass
6	10603.813	51.07	-1.46	74.0	22.93	Peak	233.00	150	Vertical	Pass
6**	10603.813	46.37	-1.46	54.0	7.63	AV	233.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	54.36	-17.26	74.0	19.64	Peak	270.00	150	Horizontal	Pass
1**	1439.800	50.92	-17.26	54.0	3.08	AV	270.00	150	Horizontal	Pass
2	1440.700	54.61	-17.16	74.0	19.39	Peak	270.00	400	Horizontal	Pass
2**	1440.700	50.86	-17.16	54.0	3.14	AV	270.00	400	Horizontal	Pass
3	4219.800	51.82	-4.52	74.0	22.18	Peak	50.00	400	Horizontal	Pass
3**	4219.800	44.83	-4.52	54.0	9.17	AV	50.00	400	Horizontal	Pass
4	5324.400	89.52	-1.97	--	--	Peak	325.00	100	Horizontal	N/A
4**	5324.400	81.68	-1.97	--	--	AV	325.00	100	Horizontal	N/A
5	7724.212	49.73	-2.44	74.0	24.27	Peak	267.00	300	Horizontal	Pass
5**	7724.212	40.60	-2.44	54.0	13.40	AV	267.00	300	Horizontal	Pass
6	12441.800	53.32	1.79	74.0	20.68	Peak	12.00	200	Horizontal	Pass
6**	12441.800	44.22	1.79	54.0	9.78	AV	12.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.500	52.86	-17.29	74.0	21.14	Peak	195.00	300	Vertical	Pass
1**	1439.500	48.02	-17.29	54.0	5.98	AV	195.00	300	Vertical	Pass
2	1440.100	52.66	-17.23	74.0	21.34	Peak	277.00	150	Vertical	Pass
2**	1440.100	50.93	-17.23	54.0	3.07	AV	277.00	150	Vertical	Pass
3	5323.000	90.47	-1.84	--	--	Peak	107.00	100	Vertical	N/A
3**	5323.000	82.39	-1.84	--	--	AV	107.00	100	Vertical	N/A
4	7322.575	49.94	-3.31	74.0	24.06	Peak	226.00	400	Vertical	Pass
4**	7322.575	40.09	-3.31	54.0	13.91	AV	226.00	400	Vertical	Pass
5	10638.599	56.31	-0.93	74.0	17.69	Peak	243.00	150	Vertical	Pass
5**	10638.599	47.14	-0.93	54.0	6.86	AV	243.00	150	Vertical	Pass
6	10638.888	53.78	-0.92	74.0	20.22	Peak	243.00	150	Vertical	Pass
6**	10638.888	48.67	-0.92	54.0	5.33	AV	243.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	54.30	-17.22	74.0	19.70	Peak	261.00	150	Horizontal	Pass
1**	1440.200	50.38	-17.22	54.0	3.62	AV	261.00	150	Horizontal	Pass
2	1440.300	54.53	-17.21	74.0	19.47	Peak	204.00	100	Horizontal	Pass
2**	1440.300	49.96	-17.21	54.0	4.04	AV	204.00	100	Horizontal	Pass
3	4215.800	52.54	-4.61	74.0	21.46	Peak	360.00	300	Horizontal	Pass
3**	4215.800	40.04	-4.61	54.0	13.96	AV	360.00	300	Horizontal	Pass
4	5262.000	87.14	-2.17	--	--	Peak	208.00	100	Horizontal	N/A
4**	5262.000	79.03	-2.17	--	--	AV	208.00	100	Horizontal	N/A
5	7365.987	49.28	-3.47	74.0	24.72	Peak	225.00	100	Horizontal	Pass
5**	7365.987	40.56	-3.47	54.0	13.44	AV	225.00	100	Horizontal	Pass
6	15823.350	55.83	1.72	74.0	18.17	Peak	254.00	200	Horizontal	Pass
6**	15823.350	47.04	1.72	54.0	6.96	AV	254.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	52.42	-17.26	74.0	21.58	Peak	272.00	300	Vertical	Pass
1**	1439.800	50.51	-17.26	54.0	3.49	AV	272.00	300	Vertical	Pass
2	1440.100	52.38	-17.23	74.0	21.62	Peak	199.00	150	Vertical	Pass
2**	1440.100	50.99	-17.23	54.0	3.01	AV	199.00	150	Vertical	Pass
3	4220.800	52.14	-4.39	74.0	21.86	Peak	310.00	200	Vertical	Pass
3**	4220.800	43.83	-4.39	54.0	10.17	AV	310.00	200	Vertical	Pass
4	5261.600	84.17	-2.08	--	--	Peak	109.00	150	Vertical	N/A
4**	5261.600	75.75	-2.08	--	--	AV	109.00	150	Vertical	N/A
5	7341.263	49.69	-3.09	74.0	24.31	Peak	0.00	400	Vertical	Pass
5**	7341.263	40.75	-3.09	54.0	13.25	AV	0.00	400	Vertical	Pass
6	12322.487	53.47	1.42	74.0	20.53	Peak	59.00	200	Vertical	Pass
6**	12322.487	44.25	1.42	54.0	9.75	AV	59.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	53.51	-17.24	74.0	20.49	Peak	203.00	150	Horizontal	Pass
1**	1440.000	50.70	-17.24	54.0	3.30	AV	203.00	150	Horizontal	Pass
2	1440.500	54.61	-17.18	74.0	19.39	Peak	263.00	300	Horizontal	Pass
2**	1440.500	48.17	-17.18	54.0	5.83	AV	263.00	300	Horizontal	Pass
3	4248.200	52.53	-4.67	74.0	21.47	Peak	61.00	100	Horizontal	Pass
3**	4248.200	40.56	-4.67	54.0	13.44	AV	61.00	100	Horizontal	Pass
4	5300.400	87.97	-2.91	--	--	Peak	200.00	200	Horizontal	N/A
4**	5300.400	80.34	-2.91	--	--	AV	200.00	200	Horizontal	N/A
5	7449.937	49.34	-3.21	74.0	24.66	Peak	0.00	200	Horizontal	Pass
5**	7449.937	40.67	-3.21	54.0	13.33	AV	0.00	200	Horizontal	Pass
6	16084.799	56.58	1.53	74.0	17.42	Peak	309.00	400	Horizontal	Pass
6**	16084.799	47.24	1.53	54.0	6.76	AV	309.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	52.52	-17.24	74.0	21.48	Peak	206.00	100	Vertical	Pass
1**	1440.000	50.50	-17.24	54.0	3.50	AV	206.00	100	Vertical	Pass
2	1440.100	51.92	-17.23	74.0	22.08	Peak	206.00	150	Vertical	Pass
2**	1440.100	50.85	-17.23	54.0	3.15	AV	206.00	150	Vertical	Pass
3	4373.400	50.41	-3.81	74.0	23.59	Peak	279.00	100	Vertical	Pass
3**	4373.400	41.01	-3.81	54.0	12.99	AV	279.00	100	Vertical	Pass
4	5311.200	86.77	-2.35	--	--	Peak	323.00	100	Vertical	N/A
4**	5311.200	75.29	-2.35	--	--	AV	323.00	100	Vertical	N/A
5	7365.700	49.58	-3.41	74.0	24.42	Peak	253.00	200	Vertical	Pass
5**	7365.700	40.94	-3.41	54.0	13.06	AV	253.00	200	Vertical	Pass
6	16043.062	56.05	0.77	74.0	17.95	Peak	95.00	300	Vertical	Pass
6**	16043.062	45.76	0.77	54.0	8.24	AV	95.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	53.98	-17.24	74.0	20.02	Peak	265.00	150	Horizontal	Pass
1**	1440.000	50.24	-17.24	54.0	3.76	AV	265.00	150	Horizontal	Pass
2	4219.800	51.28	-4.52	74.0	22.72	Peak	46.00	300	Horizontal	Pass
2**	4219.800	44.24	-4.52	54.0	9.76	AV	46.00	300	Horizontal	Pass
3	5505.600	99.02	-1.07	--	--	Peak	209.00	100	Horizontal	N/A
3**	5505.600	91.18	-1.07	--	--	AV	209.00	100	Horizontal	N/A
4	7341.837	50.06	-3.15	74.0	23.94	Peak	132.00	400	Horizontal	Pass
4**	7341.837	41.06	-3.15	54.0	12.94	AV	132.00	400	Horizontal	Pass
5	12317.025	53.12	1.41	74.0	20.88	Peak	167.00	200	Horizontal	Pass
5**	12317.025	43.95	1.41	54.0	10.05	AV	167.00	200	Horizontal	Pass
6	16106.588	56.42	0.91	74.0	17.58	Peak	355.00	100	Horizontal	Pass
6**	16106.588	46.79	0.91	54.0	7.21	AV	355.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	52.34	-17.26	74.0	21.66	Peak	199.00	150	Vertical	Pass
1**	1439.800	50.92	-17.26	54.0	3.08	AV	199.00	150	Vertical	Pass
2	1440.300	53.04	-17.21	74.0	20.96	Peak	193.00	200	Vertical	Pass
2**	1440.300	50.13	-17.21	54.0	3.87	AV	193.00	200	Vertical	Pass
3	4220.400	50.52	-4.42	74.0	23.48	Peak	303.00	400	Vertical	Pass
3**	4220.400	44.91	-4.42	54.0	9.09	AV	303.00	400	Vertical	Pass
4	5506.600	93.98	-0.99	--	--	Peak	108.00	200	Vertical	N/A
4**	5506.600	86.43	-0.99	--	--	AV	108.00	200	Vertical	N/A
5	7385.538	50.24	-3.82	74.0	23.76	Peak	90.00	300	Vertical	Pass
5**	7385.538	43.84	-3.82	54.0	10.16	AV	90.00	300	Vertical	Pass
6	12609.412	52.98	1.89	74.0	21.02	Peak	232.00	150	Vertical	Pass
6**	12609.412	43.84	1.89	54.0	10.16	AV	232.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.300	54.75	-17.21	74.0	19.25	Peak	199.00	150	Horizontal	Pass
1**	1440.300	50.59	-17.21	54.0	3.41	AV	199.00	150	Horizontal	Pass
2	4219.600	51.49	-4.55	74.0	22.51	Peak	48.00	300	Horizontal	Pass
2**	4219.600	43.53	-4.55	54.0	10.47	AV	48.00	300	Horizontal	Pass
3	5574.000	93.31	-1.87	--	--	Peak	198.00	200	Horizontal	N/A
3**	5574.000	85.41	-1.87	--	--	AV	198.00	200	Horizontal	N/A
4	7688.850	49.46	-2.30	74.0	24.54	Peak	278.00	100	Horizontal	Pass
4**	7688.850	39.63	-2.30	54.0	14.37	AV	278.00	100	Horizontal	Pass
5	11941.262	53.44	1.65	74.0	20.56	Peak	360.00	100	Horizontal	Pass
5**	11941.262	43.35	1.65	54.0	10.65	AV	360.00	100	Horizontal	Pass
6	15853.537	56.14	1.23	74.0	17.86	Peak	332.00	400	Horizontal	Pass
6**	15853.537	46.34	1.23	54.0	7.66	AV	332.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.200	53.43	-17.32	74.0	20.57	Peak	191.00	200	Vertical	Pass
1**	1439.200	46.44	-17.32	54.0	7.56	AV	191.00	200	Vertical	Pass
2	1440.000	52.45	-17.24	74.0	21.55	Peak	198.00	150	Vertical	Pass
2**	1440.000	50.91	-17.24	54.0	3.09	AV	198.00	150	Vertical	Pass
3	4220.800	50.48	-4.39	74.0	23.52	Peak	302.00	400	Vertical	Pass
3**	4220.800	44.44	-4.39	54.0	9.56	AV	302.00	400	Vertical	Pass
4	5573.800	92.82	-1.92	--	--	Peak	314.00	100	Vertical	N/A
4**	5573.800	85.52	-1.92	--	--	AV	314.00	100	Vertical	N/A
5	7340.687	49.74	-3.04	74.0	24.26	Peak	175.00	200	Vertical	Pass
5**	7340.687	41.24	-3.04	54.0	12.76	AV	175.00	200	Vertical	Pass
6	12561.688	53.31	1.69	74.0	20.69	Peak	0.00	200	Vertical	Pass
6**	12561.688	43.25	1.69	54.0	10.75	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	53.76	-17.23	74.0	20.24	Peak	202.00	150	Horizontal	Pass
1**	1440.100	50.66	-17.23	54.0	3.34	AV	202.00	150	Horizontal	Pass
2	1440.300	54.64	-17.21	74.0	19.36	Peak	207.00	200	Horizontal	Pass
2**	1440.300	50.27	-17.21	54.0	3.73	AV	207.00	200	Horizontal	Pass
3	4220.000	51.48	-4.49	74.0	22.52	Peak	53.00	200	Horizontal	Pass
3**	4220.000	45.53	-4.49	54.0	8.47	AV	53.00	200	Horizontal	Pass
4	5705.200	93.19	-1.75	--	--	Peak	219.00	150	Horizontal	N/A
4**	5705.200	85.80	-1.75	--	--	AV	219.00	150	Horizontal	N/A
5	7674.187	49.46	-2.37	74.0	24.54	Peak	113.00	100	Horizontal	Pass
5**	7674.187	41.21	-2.37	54.0	12.79	AV	113.00	100	Horizontal	Pass
6	12327.663	53.07	1.42	74.0	20.93	Peak	297.00	200	Horizontal	Pass
6**	12327.663	43.29	1.42	54.0	10.71	AV	297.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	52.63	-17.26	74.0	21.37	Peak	195.00	200	Vertical	Pass
1**	1439.800	50.50	-17.26	54.0	3.50	AV	195.00	200	Vertical	Pass
2	1440.100	52.52	-17.23	74.0	21.48	Peak	259.00	150	Vertical	Pass
2**	1440.100	50.99	-17.23	54.0	3.01	AV	259.00	150	Vertical	Pass
3	4219.600	50.13	-4.55	74.0	23.87	Peak	64.00	100	Vertical	Pass
3**	4219.600	43.54	-4.55	54.0	10.46	AV	64.00	100	Vertical	Pass
4	5698.400	90.87	-1.06	--	--	Peak	315.00	150	Vertical	N/A
4**	5698.400	82.84	-1.06	--	--	AV	315.00	150	Vertical	N/A
5	7318.837	50.26	-3.00	74.0	23.74	Peak	0.00	200	Vertical	Pass
5**	7318.837	40.49	-3.00	54.0	13.51	AV	0.00	200	Vertical	Pass
6	11942.988	53.13	1.60	74.0	20.87	Peak	173.00	150	Vertical	Pass
6**	11942.988	43.82	1.60	54.0	10.18	AV	173.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	55.13	-17.28	74.0	18.87	Peak	265.00	100	Horizontal	Pass
1**	1439.600	48.91	-17.28	54.0	5.09	AV	265.00	100	Horizontal	Pass
2	1439.700	54.31	-17.27	74.0	19.69	Peak	265.00	150	Horizontal	Pass
2**	1439.700	50.48	-17.27	54.0	3.52	AV	265.00	150	Horizontal	Pass
3	4219.800	52.03	-4.52	74.0	21.97	Peak	49.00	300	Horizontal	Pass
3**	4219.800	47.06	-4.52	54.0	6.94	AV	49.00	300	Horizontal	Pass
4	5493.400	92.86	-1.69	--	--	Peak	324.00	100	Horizontal	N/A
4**	5493.400	84.56	-1.69	--	--	AV	324.00	100	Horizontal	N/A
5	7337.238	49.66	-2.96	74.0	24.34	Peak	134.00	100	Horizontal	Pass
5**	7337.238	40.85	-2.96	54.0	13.15	AV	134.00	100	Horizontal	Pass
6	12691.637	53.18	0.84	74.0	20.82	Peak	203.00	100	Horizontal	Pass
6**	12691.637	44.11	0.84	54.0	9.89	AV	203.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	52.77	-17.23	74.0	21.23	Peak	197.00	150	Vertical	Pass
1**	1440.100	50.97	-17.23	54.0	3.03	AV	197.00	150	Vertical	Pass
2	1440.300	53.02	-17.21	74.0	20.98	Peak	197.00	100	Vertical	Pass
2**	1440.300	50.89	-17.21	54.0	3.11	AV	197.00	100	Vertical	Pass
3	4220.600	50.58	-4.40	74.0	23.42	Peak	67.00	200	Vertical	Pass
3**	4220.600	44.37	-4.40	54.0	9.63	AV	67.00	200	Vertical	Pass
4	5501.200	93.09	-1.47	--	--	Peak	100.00	200	Vertical	N/A
4**	5501.200	85.67	-1.47	--	--	AV	100.00	200	Vertical	N/A
5	7328.037	49.86	-3.47	74.0	24.14	Peak	118.00	400	Vertical	Pass
5**	7328.037	40.04	-3.47	54.0	13.96	AV	118.00	400	Vertical	Pass
6	12263.838	52.77	1.24	74.0	21.23	Peak	0.00	150	Vertical	Pass
6**	12263.838	43.59	1.24	54.0	10.41	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	55.26	-17.23	74.0	18.74	Peak	262.00	300	Horizontal	Pass
1**	1440.100	49.92	-17.23	54.0	4.08	AV	262.00	300	Horizontal	Pass
2	1440.200	55.10	-17.22	74.0	18.90	Peak	262.00	150	Horizontal	Pass
2**	1440.200	50.89	-17.22	54.0	3.11	AV	262.00	150	Horizontal	Pass
3	4219.800	51.62	-4.52	74.0	22.38	Peak	53.00	300	Horizontal	Pass
3**	4219.800	46.55	-4.52	54.0	7.45	AV	53.00	300	Horizontal	Pass
4	4220.000	51.19	-4.49	74.0	22.81	Peak	53.00	150	Horizontal	Pass
4**	4220.000	48.17	-4.49	54.0	5.83	AV	53.00	150	Horizontal	Pass
5	5574.200	94.65	-1.91	--	--	Peak	207.00	150	Horizontal	N/A
5**	5574.200	87.06	-1.91	--	--	AV	207.00	150	Horizontal	N/A
6	12310.988	53.15	1.38	74.0	20.85	Peak	236.00	100	Horizontal	Pass
6**	12310.988	43.61	1.38	54.0	10.39	AV	236.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	52.24	-17.23	74.0	21.76	Peak	265.00	150	Vertical	Pass
1**	1440.100	50.92	-17.23	54.0	3.08	AV	265.00	150	Vertical	Pass
2	4220.000	51.14	-4.49	74.0	22.86	Peak	73.00	200	Vertical	Pass
2**	4220.000	44.45	-4.49	54.0	9.55	AV	73.00	200	Vertical	Pass
3	5576.800	93.11	-2.06	--	--	Peak	106.00	150	Vertical	N/A
3**	5576.800	85.40	-2.06	--	--	AV	106.00	150	Vertical	N/A
4	7333.500	49.13	-3.12	74.0	24.87	Peak	228.00	200	Vertical	Pass
4**	7333.500	41.10	-3.12	54.0	12.90	AV	228.00	200	Vertical	Pass
5	12611.138	52.86	1.89	74.0	21.14	Peak	347.00	100	Vertical	Pass
5**	12611.138	43.10	1.89	54.0	10.90	AV	347.00	100	Vertical	Pass
6	16082.437	55.99	1.59	74.0	18.01	Peak	95.00	300	Vertical	Pass
6**	16082.437	47.30	1.59	54.0	6.70	AV	95.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	54.70	-17.28	74.0	19.30	Peak	265.00	400	Horizontal	Pass
1**	1439.600	57.96	-17.28	54.0	6.04	AV	265.00	400	Horizontal	Pass
2	1440.000	53.79	-17.24	74.0	20.21	Peak	254.00	150	Horizontal	Pass
2**	1440.000	50.09	-17.24	54.0	3.91	AV	254.00	150	Horizontal	Pass
3	4220.000	51.76	-4.49	74.0	22.24	Peak	62.00	400	Horizontal	Pass
3**	4220.000	44.77	-4.49	54.0	9.23	AV	62.00	400	Horizontal	Pass
4	5707.000	90.43	-1.96	--	--	Peak	202.00	100	Horizontal	N/A
4**	5707.000	82.54	-1.96	--	--	AV	202.00	100	Horizontal	N/A
5	7328.612	49.67	-3.52	74.0	24.33	Peak	192.00	100	Horizontal	Pass
5**	7328.612	40.10	-3.52	54.0	13.90	AV	192.00	100	Horizontal	Pass
6	11676.474	52.56	0.23	74.0	21.44	Peak	260.00	150	Horizontal	Pass
6**	11676.474	42.66	0.23	54.0	11.34	AV	260.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	53.21	-17.25	74.0	20.79	Peak	201.00	150	Vertical	Pass
1**	1439.900	51.49	-17.25	54.0	3.01	AV	201.00	150	Vertical	Pass
2	4376.000	49.87	-4.05	74.0	24.13	Peak	124.00	300	Vertical	Pass
2**	4376.000	40.58	-4.05	54.0	13.42	AV	124.00	300	Vertical	Pass
3	5692.800	90.70	-1.13	--	--	Peak	313.00	150	Vertical	N/A
3**	5692.800	83.25	-1.13	--	--	AV	313.00	150	Vertical	N/A
4	7385.538	50.45	-3.82	74.0	23.55	Peak	49.00	100	Vertical	Pass
4**	7385.538	42.55	-3.82	54.0	11.45	AV	49.00	100	Vertical	Pass
5	12355.262	53.45	1.17	74.0	20.55	Peak	0.00	150	Vertical	Pass
5**	12355.262	43.97	1.17	54.0	10.03	AV	0.00	150	Vertical	Pass
6	15807.863	56.06	2.21	74.0	17.94	Peak	276.00	400	Vertical	Pass
6**	15807.863	46.73	2.21	54.0	7.27	AV	276.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	54.54	-17.26	74.0	19.46	Peak	259.00	150	Horizontal	Pass
1**	1439.800	50.36	-17.26	54.0	3.64	AV	259.00	150	Horizontal	Pass
2	4386.200	50.03	-3.27	74.0	23.97	Peak	226.00	300	Horizontal	Pass
2**	4386.200	42.12	-3.27	54.0	11.88	AV	226.00	300	Horizontal	Pass
3	5502.600	94.08	-1.37	--	--	Peak	216.00	150	Horizontal	N/A
3**	5502.600	87.25	-1.37	--	--	AV	216.00	150	Horizontal	N/A
4	7340.112	49.58	-2.98	74.0	24.42	Peak	16.00	400	Horizontal	Pass
4**	7340.112	41.30	-2.98	54.0	12.70	AV	16.00	400	Horizontal	Pass
5	11576.713	52.64	-0.38	74.0	21.36	Peak	316.00	150	Horizontal	Pass
5**	11576.713	42.86	-0.38	54.0	11.14	AV	316.00	150	Horizontal	Pass
6	16087.687	56.35	1.48	74.0	17.65	Peak	360.00	300	Horizontal	Pass
6**	16087.687	47.06	1.48	54.0	6.94	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	52.53	-17.24	74.0	21.47	Peak	198.00	150	Vertical	Pass
1**	1440.000	50.62	-17.24	54.0	3.38	AV	198.00	150	Vertical	Pass
2	4374.600	50.06	-4.04	74.0	23.94	Peak	337.00	400	Vertical	Pass
2**	4374.600	40.63	-4.04	54.0	13.37	AV	337.00	400	Vertical	Pass
3	5512.600	88.68	-0.96	--	--	Peak	107.00	100	Vertical	N/A
3**	5512.600	81.23	-0.96	--	--	AV	107.00	100	Vertical	N/A
4	7340.112	49.71	-2.98	74.0	24.29	Peak	242.00	200	Vertical	Pass
4**	7340.112	41.23	-2.98	54.0	12.77	AV	242.00	200	Vertical	Pass
5	12322.487	53.08	1.42	74.0	20.92	Peak	310.00	150	Vertical	Pass
5**	12322.487	44.01	1.42	54.0	9.99	AV	310.00	150	Vertical	Pass
6	16034.138	56.23	0.75	74.0	17.77	Peak	287.00	300	Vertical	Pass
6**	16034.138	46.29	0.75	54.0	7.71	AV	287.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	54.16	-17.23	74.0	19.84	Peak	274.00	150	Horizontal	Pass
1**	1440.100	50.83	-17.23	54.0	3.17	AV	274.00	150	Horizontal	Pass
2	4219.400	51.42	-4.59	74.0	22.58	Peak	221.00	300	Horizontal	Pass
2**	4219.400	43.17	-4.59	54.0	10.83	AV	221.00	300	Horizontal	Pass
3	5595.800	91.53	-2.07	--	--	Peak	199.00	100	Horizontal	N/A
3**	5595.800	83.51	-2.07	--	--	AV	199.00	100	Horizontal	N/A
4	7334.362	49.53	-3.19	74.0	24.47	Peak	229.00	200	Horizontal	Pass
4**	7334.362	41.00	-3.19	54.0	13.00	AV	229.00	200	Horizontal	Pass
5	12243.138	53.24	1.03	74.0	20.76	Peak	0.00	100	Horizontal	Pass
5**	12243.138	42.88	1.03	54.0	11.12	AV	0.00	100	Horizontal	Pass
6	15849.338	55.77	1.34	74.0	18.23	Peak	157.00	100	Horizontal	Pass
6**	15849.338	46.76	1.34	54.0	7.24	AV	157.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	52.94	-17.26	74.0	21.06	Peak	199.00	300	Vertical	Pass
1**	1439.800	49.56	-17.26	54.0	4.44	AV	199.00	300	Vertical	Pass
2	1440.100	52.55	-17.23	74.0	21.45	Peak	199.00	150	Vertical	Pass
2**	1440.100	50.51	-17.23	54.0	3.49	AV	199.00	150	Vertical	Pass
3	4383.400	51.18	-3.64	74.0	22.82	Peak	114.00	200	Vertical	Pass
3**	4383.400	42.48	-3.64	54.0	11.52	AV	114.00	200	Vertical	Pass
4	5573.600	89.30	-1.98	--	--	Peak	320.00	200	Vertical	N/A
4**	5573.600	81.51	-1.98	--	--	AV	320.00	200	Vertical	N/A
5	7282.900	49.94	-3.44	74.0	24.06	Peak	177.00	400	Vertical	Pass
5**	7282.900	39.73	-3.44	54.0	14.27	AV	177.00	400	Vertical	Pass
6	11208.713	53.05	-0.23	74.0	20.95	Peak	340.00	200	Vertical	Pass
6**	11208.713	43.24	-0.23	54.0	10.76	AV	340.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	55.14	-17.27	74.0	18.86	Peak	269.00	100	Horizontal	Pass
1**	1439.700	48.54	-17.27	54.0	5.46	AV	269.00	100	Horizontal	Pass
2	1439.800	53.84	-17.26	74.0	20.16	Peak	263.00	150	Horizontal	Pass
2**	1439.800	50.53	-17.26	54.0	3.47	AV	263.00	150	Horizontal	Pass
3	3692.800	51.19	-5.21	74.0	22.81	Peak	29.00	200	Horizontal	Pass
3**	3692.800	46.36	-5.21	54.0	7.64	AV	29.00	200	Horizontal	Pass
4	5674.200	88.92	-2.17	--	--	Peak	217.00	150	Horizontal	N/A
4**	5674.200	80.80	-2.17	--	--	AV	217.00	150	Horizontal	N/A
5	7364.550	49.40	-3.49	74.0	24.60	Peak	20.00	300	Horizontal	Pass
5**	7364.550	40.15	-3.49	54.0	13.85	AV	20.00	300	Horizontal	Pass
6	12278.787	53.73	1.76	74.0	20.27	Peak	222.00	200	Horizontal	Pass
6**	12278.787	43.91	1.76	54.0	10.09	AV	222.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	52.94	-17.24	74.0	21.06	Peak	199.00	400	Vertical	Pass
1**	1440.000	48.91	-17.24	54.0	5.09	AV	199.00	400	Vertical	Pass
2	1440.100	52.41	-17.23	74.0	21.59	Peak	277.00	150	Vertical	Pass
2**	1440.100	50.24	-17.23	54.0	3.76	AV	277.00	150	Vertical	Pass
3	4220.600	49.81	-4.40	74.0	24.19	Peak	308.00	300	Vertical	Pass
3**	4220.600	42.99	-4.40	54.0	11.01	AV	308.00	300	Vertical	Pass
4	5678.400	88.23	-2.16	--	--	Peak	319.00	150	Vertical	N/A
4**	5678.400	80.45	-2.16	--	--	AV	319.00	150	Vertical	N/A
5	11957.650	53.37	1.04	74.0	20.63	Peak	360.00	200	Vertical	Pass
5**	11957.650	43.75	1.04	54.0	10.25	AV	360.00	200	Vertical	Pass
6	15805.237	55.58	2.27	74.0	18.42	Peak	270.00	300	Vertical	Pass
6**	15805.237	46.55	2.27	54.0	7.45	AV	270.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	54.50	-17.26	74.0	19.50	Peak	197.00	400	Horizontal	Pass
1**	1439.800	50.52	-17.26	54.0	3.48	AV	197.00	400	Horizontal	Pass
2	1439.900	54.10	-17.25	74.0	19.90	Peak	197.00	150	Horizontal	Pass
2**	1439.900	50.59	-17.25	54.0	3.41	AV	197.00	150	Horizontal	Pass
3	4219.400	53.41	-4.59	74.0	20.59	Peak	72.00	400	Horizontal	Pass
3**	4219.400	44.37	-4.59	54.0	9.63	AV	72.00	400	Horizontal	Pass
4	5502.000	97.19	-1.37	--	--	Peak	209.00	200	Horizontal	N/A
4**	5502.000	88.98	-1.37	--	--	AV	209.00	200	Horizontal	N/A
5	7450.225	49.73	-3.20	74.0	24.27	Peak	360.00	400	Horizontal	Pass
5**	7450.225	40.27	-3.20	54.0	13.73	AV	360.00	400	Horizontal	Pass
6	11935.513	53.03	1.69	74.0	20.97	Peak	13.00	100	Horizontal	Pass
6**	11935.513	43.72	1.69	54.0	10.28	AV	13.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	53.20	-17.26	74.0	20.80	Peak	197.00	300	Vertical	Pass
1**	1439.800	49.27	-17.26	54.0	4.73	AV	197.00	300	Vertical	Pass
2	1439.900	52.96	-17.25	74.0	21.04	Peak	197.00	150	Vertical	Pass
2**	1439.900	50.53	-17.25	54.0	3.47	AV	197.00	150	Vertical	Pass
3	4258.600	50.38	-4.38	74.0	23.62	Peak	38.00	400	Vertical	Pass
3**	4258.600	40.55	-4.38	54.0	13.45	AV	38.00	400	Vertical	Pass
4	5494.000	93.43	-1.66	--	--	Peak	320.00	100	Vertical	N/A
4**	5494.000	85.40	-1.66	--	--	AV	320.00	100	Vertical	N/A
5	7630.775	49.70	-2.92	74.0	24.30	Peak	92.00	400	Vertical	Pass
5**	7630.775	39.74	-2.92	54.0	14.26	AV	92.00	400	Vertical	Pass
6	11629.901	53.59	-0.20	74.0	20.41	Peak	228.00	100	Vertical	Pass
6**	11629.901	43.66	-0.20	54.0	10.34	AV	228.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	54.32	-17.27	74.0	19.68	Peak	202.00	150	Horizontal	Pass
1**	1439.700	50.44	-17.27	54.0	3.56	AV	202.00	150	Horizontal	Pass
2	4219.800	50.96	-4.52	74.0	23.04	Peak	227.00	200	Horizontal	Pass
2**	4219.800	43.85	-4.52	54.0	10.15	AV	227.00	200	Horizontal	Pass
3	5578.600	93.26	-1.61	--	--	Peak	216.00	200	Horizontal	N/A
3**	5578.600	85.77	-1.61	--	--	AV	216.00	200	Horizontal	N/A
4	7678.213	49.34	-2.51	74.0	24.66	Peak	192.00	100	Horizontal	Pass
4**	7678.213	39.66	-2.51	54.0	14.34	AV	192.00	100	Horizontal	Pass
5	12405.576	53.35	1.48	74.0	20.65	Peak	360.00	200	Horizontal	Pass
5**	12405.576	43.84	1.48	54.0	10.16	AV	360.00	200	Horizontal	Pass
6	15635.138	56.26	1.55	74.0	17.74	Peak	235.00	300	Horizontal	Pass
6**	15635.138	46.23	1.55	54.0	7.77	AV	235.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	52.89	-17.28	74.0	21.11	Peak	194.00	150	Vertical	Pass
1**	1439.600	50.86	-17.28	54.0	3.14	AV	194.00	150	Vertical	Pass
2	1439.800	53.30	-17.26	74.0	20.70	Peak	194.00	300	Vertical	Pass
2**	1439.800	50.43	-17.26	54.0	3.57	AV	194.00	300	Vertical	Pass
3	4220.800	50.31	-4.39	74.0	23.69	Peak	305.00	300	Vertical	Pass
3**	4220.800	42.59	-4.39	54.0	11.41	AV	305.00	300	Vertical	Pass
4	5572.600	92.14	-2.30	--	--	Peak	316.00	100	Vertical	N/A
4**	5572.600	84.21	-2.30	--	--	AV	316.00	100	Vertical	N/A
5	7326.888	50.98	-3.40	74.0	23.02	Peak	40.00	200	Vertical	Pass
5**	7326.888	41.01	-3.40	54.0	12.99	AV	40.00	200	Vertical	Pass
6	12285.400	53.24	1.77	74.0	20.76	Peak	211.00	100	Vertical	Pass
6**	12285.400	44.08	1.77	54.0	9.92	AV	211.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	54.54	-17.25	74.0	19.46	Peak	270.00	150	Horizontal	Pass
1**	1439.900	50.90	-17.25	54.0	3.10	AV	270.00	150	Horizontal	Pass
2	4220.400	50.51	-4.42	74.0	23.49	Peak	61.00	400	Horizontal	Pass
2**	4220.400	45.21	-4.42	54.0	8.79	AV	61.00	400	Horizontal	Pass
3	5692.200	92.02	-1.09	--	--	Peak	204.00	100	Horizontal	N/A
3**	5692.200	84.36	-1.09	--	--	AV	204.00	100	Horizontal	N/A
4	7384.675	51.21	-3.68	74.0	22.79	Peak	39.00	400	Horizontal	Pass
4**	7384.675	45.70	-3.68	54.0	8.30	AV	39.00	400	Horizontal	Pass
5	11937.812	53.86	1.69	74.0	20.14	Peak	262.00	150	Horizontal	Pass
5**	11937.812	43.69	1.69	54.0	10.31	AV	262.00	150	Horizontal	Pass
6	15806.550	55.58	2.24	74.0	18.42	Peak	347.00	200	Horizontal	Pass
6**	15806.550	46.82	2.24	54.0	7.18	AV	347.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	52.59	-17.24	74.0	21.41	Peak	198.00	150	Vertical	Pass
1**	1440.000	50.99	-17.24	54.0	3.01	AV	198.00	150	Vertical	Pass
2	4380.200	50.67	-3.35	74.0	23.33	Peak	274.00	300	Vertical	Pass
2**	4380.200	41.68	-3.35	54.0	12.32	AV	274.00	300	Vertical	Pass
3	5697.600	90.52	-1.16	--	--	Peak	316.00	100	Vertical	N/A
3**	5697.600	82.27	-1.16	--	--	AV	316.00	100	Vertical	N/A
4	7332.638	49.76	-3.21	74.0	24.24	Peak	95.00	400	Vertical	Pass
4**	7332.638	40.58	-3.21	54.0	13.42	AV	95.00	400	Vertical	Pass
5	12055.687	52.98	1.02	74.0	21.02	Peak	16.00	100	Vertical	Pass
5**	12055.687	43.67	1.02	54.0	10.33	AV	16.00	100	Vertical	Pass
6	15633.299	56.07	1.60	74.0	17.93	Peak	349.00	400	Vertical	Pass
6**	15633.299	46.20	1.60	54.0	7.80	AV	349.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	54.41	-17.23	74.0	19.59	Peak	264.00	150	Horizontal	Pass
1**	1440.100	50.17	-17.23	54.0	3.83	AV	264.00	150	Horizontal	Pass
2	3692.600	50.10	-5.21	74.0	23.90	Peak	29.00	300	Horizontal	Pass
2**	3692.600	42.94	-5.21	54.0	11.06	AV	29.00	300	Horizontal	Pass
3	5518.200	94.33	-1.26	--	--	Peak	206.00	100	Horizontal	N/A
3**	5518.200	86.49	-1.26	--	--	AV	206.00	100	Horizontal	N/A
4	7339.537	49.75	-2.93	74.0	24.25	Peak	292.00	200	Horizontal	Pass
4**	7339.537	40.97	-2.93	54.0	13.03	AV	292.00	200	Horizontal	Pass
5	12251.763	52.81	0.96	74.0	21.19	Peak	189.00	100	Horizontal	Pass
5**	12251.763	43.36	0.96	54.0	10.64	AV	189.00	100	Horizontal	Pass
6	15837.263	55.92	1.45	74.0	18.08	Peak	36.00	100	Horizontal	Pass
6**	15837.263	46.18	1.45	54.0	7.82	AV	36.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	52.18	-17.24	74.0	21.82	Peak	200.00	150	Vertical	Pass
1**	1440.000	50.89	-17.24	54.0	3.11	AV	200.00	150	Vertical	Pass
2	4219.600	51.90	-4.55	74.0	22.10	Peak	67.00	400	Vertical	Pass
2**	4219.600	43.29	-4.55	54.0	10.71	AV	67.00	400	Vertical	Pass
3	5507.400	90.33	-0.96	--	--	Peak	314.00	100	Vertical	N/A
3**	5507.400	82.58	-0.96	--	--	AV	314.00	100	Vertical	N/A
4	7436.712	49.59	-3.44	74.0	24.41	Peak	349.00	300	Vertical	Pass
4**	7436.712	39.81	-3.44	54.0	14.19	AV	349.00	300	Vertical	Pass
5	12619.475	53.04	1.80	74.0	20.96	Peak	360.00	150	Vertical	Pass
5**	12619.475	43.81	1.80	54.0	10.19	AV	360.00	150	Vertical	Pass
6	15801.037	55.54	2.32	74.0	18.46	Peak	51.00	200	Vertical	Pass
6**	15801.037	47.02	2.32	54.0	6.98	AV	51.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	55.07	-17.22	74.0	18.93	Peak	258.00	150	Horizontal	Pass
1**	1440.200	50.78	-17.22	54.0	3.22	AV	258.00	150	Horizontal	Pass
2	4220.000	51.25	-4.49	74.0	22.75	Peak	212.00	400	Horizontal	Pass
2**	4220.000	46.59	-4.49	54.0	7.41	AV	212.00	400	Horizontal	Pass
3	5573.400	92.15	-2.05	--	--	Peak	212.00	150	Horizontal	N/A
3**	5573.400	84.74	-2.05	--	--	AV	212.00	150	Horizontal	N/A
4	7365.700	50.02	-3.41	74.0	23.98	Peak	113.00	400	Horizontal	Pass
4**	7365.700	40.60	-3.41	54.0	13.40	AV	113.00	400	Horizontal	Pass
5	12494.412	53.38	1.66	74.0	20.62	Peak	245.00	200	Horizontal	Pass
5**	12494.412	43.45	1.66	54.0	10.55	AV	245.00	200	Horizontal	Pass
6	15803.662	56.16	2.29	74.0	17.84	Peak	104.00	400	Horizontal	Pass
6**	15803.662	46.29	2.29	54.0	7.71	AV	104.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	52.26	-17.23	74.0	21.74	Peak	197.00	150	Vertical	Pass
1**	1440.100	50.96	-17.23	54.0	3.04	AV	197.00	150	Vertical	Pass
2	4227.600	50.11	-3.94	74.0	23.89	Peak	202.00	300	Vertical	Pass
2**	4227.600	40.89	-3.94	54.0	13.11	AV	202.00	300	Vertical	Pass
3	5573.400	90.13	-2.05	--	--	Peak	320.00	100	Vertical	N/A
3**	5573.400	81.77	-2.05	--	--	AV	320.00	100	Vertical	N/A
4	7723.638	50.28	-2.50	74.0	23.72	Peak	257.00	400	Vertical	Pass
4**	7723.638	40.51	-2.50	54.0	13.49	AV	257.00	400	Vertical	Pass
5	12355.262	52.44	1.17	74.0	21.56	Peak	345.00	150	Vertical	Pass
5**	12355.262	43.42	1.17	54.0	10.58	AV	345.00	150	Vertical	Pass
6	15853.799	56.09	1.23	74.0	17.91	Peak	231.00	100	Vertical	Pass
6**	15853.799	47.17	1.23	54.0	6.83	AV	231.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	53.86	-17.25	74.0	20.14	Peak	267.00	150	Horizontal	Pass
1**	1439.900	50.75	-17.25	54.0	3.25	AV	267.00	150	Horizontal	Pass
2	4220.600	51.37	-4.40	74.0	22.63	Peak	208.00	200	Horizontal	Pass
2**	4220.600	44.66	-4.40	54.0	9.34	AV	208.00	200	Horizontal	Pass
3	5664.600	89.25	-2.23	--	--	Peak	219.00	200	Horizontal	N/A
3**	5664.600	81.60	-2.23	--	--	AV	219.00	200	Horizontal	N/A
4	7385.250	52.84	-3.78	74.0	21.16	Peak	53.00	400	Horizontal	Pass
4**	7385.250	44.68	-3.78	54.0	9.32	AV	53.00	400	Horizontal	Pass
5	12383.438	52.67	1.50	74.0	21.33	Peak	252.00	200	Horizontal	Pass
5**	12383.438	44.31	1.50	54.0	9.69	AV	252.00	200	Horizontal	Pass
6	15854.850	56.19	1.20	74.0	17.81	Peak	360.00	100	Horizontal	Pass
6**	15854.850	47.18	1.20	54.0	6.82	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.900	52.68	-17.25	74.0	21.32	Peak	198.00	150	Vertical	Pass
1**	1439.900	50.92	-17.25	54.0	3.08	AV	198.00	150	Vertical	Pass
2	4220.600	50.26	-4.40	74.0	23.74	Peak	118.00	100	Vertical	Pass
2**	4220.600	43.37	-4.40	54.0	10.63	AV	118.00	100	Vertical	Pass
3	5682.800	88.83	-2.04	--	--	Peak	319.00	200	Vertical	N/A
3**	5682.800	80.79	-2.04	--	--	AV	319.00	200	Vertical	N/A
4	7733.700	49.59	-2.47	74.0	24.41	Peak	273.00	300	Vertical	Pass
4**	7733.700	39.93	-2.47	54.0	14.07	AV	273.00	300	Vertical	Pass
5	12280.800	53.27	1.80	74.0	20.73	Peak	149.00	100	Vertical	Pass
5**	12280.800	44.09	1.80	54.0	9.91	AV	149.00	100	Vertical	Pass
6	15847.763	56.03	1.35	74.0	17.97	Peak	225.00	100	Vertical	Pass
6**	15847.763	46.58	1.35	54.0	7.42	AV	225.00	100	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	1440.000	54.69	-17.24	74.0	19.31	Peak	203.00	150	Horizontal	Pass
1**	1440.000	50.20	-17.24	54.0	3.80	AV	203.00	150	Horizontal	Pass
2	4390.200	50.05	-3.31	74.0	23.95	Peak	332.00	300	Horizontal	Pass
2**	4390.200	41.07	-3.31	54.0	12.93	AV	332.00	300	Horizontal	Pass
3	5743.600	91.76	-2.09	--	--	Peak	276.00	150	Horizontal	N/A
3**	5743.600	83.76	-2.09	--	--	AV	276.00	150	Horizontal	N/A
4	7332.350	49.78	-3.24	74.0	24.22	Peak	241.00	100	Horizontal	Pass
4**	7332.350	40.50	-3.24	54.0	13.50	AV	241.00	100	Horizontal	Pass
5	12365.612	52.82	1.21	74.0	21.18	Peak	327.00	200	Horizontal	Pass
5**	12365.612	43.54	1.21	54.0	10.46	AV	327.00	200	Horizontal	Pass
6	15792.900	56.37	2.10	74.0	17.63	Peak	234.00	200	Horizontal	Pass
6**	15792.900	46.65	2.10	54.0	7.35	AV	234.00	200	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	1439.900	52.15	-17.25	74.0	21.85	Peak	277.00	150	Vertical	Pass
1**	1439.900	50.50	-17.25	54.0	3.50	AV	277.00	150	Vertical	Pass
2	4394.000	50.28	-3.78	74.0	23.72	Peak	174.00	100	Vertical	Pass
2**	4394.000	40.58	-3.78	54.0	13.42	AV	174.00	100	Vertical	Pass
3	5742.000	89.17	-2.25	--	--	Peak	211.00	100	Vertical	N/A
3**	5742.000	81.00	-2.25	--	--	AV	211.00	100	Vertical	N/A
4	7338.962	49.45	-2.92	74.0	24.55	Peak	257.00	300	Vertical	Pass
4**	7338.962	40.86	-2.92	54.0	13.14	AV	257.00	300	Vertical	Pass
5	12314.724	53.16	1.40	74.0	20.84	Peak	186.00	150	Vertical	Pass
5**	12314.724	43.06	1.40	54.0	10.94	AV	186.00	150	Vertical	Pass
6	15813.638	55.97	2.09	74.0	18.03	Peak	308.00	400	Vertical	Pass
6**	15813.638	46.36	2.09	54.0	7.64	AV	308.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	54.85	-17.24	74.0	19.15	Peak	265.00	150	Horizontal	Pass
1**	1440.000	50.39	-17.24	54.0	3.61	AV	265.00	150	Horizontal	Pass
2	4220.400	50.73	-4.42	74.0	23.27	Peak	48.00	100	Horizontal	Pass
2**	4220.400	44.14	-4.42	54.0	9.86	AV	48.00	100	Horizontal	Pass
3	5791.400	90.90	-1.89	--	--	Peak	167.00	150	Horizontal	N/A
3**	5791.400	82.16	-1.89	--	--	AV	167.00	150	Horizontal	N/A
4	7323.725	50.32	-3.39	74.0	23.68	Peak	12.00	100	Horizontal	Pass
4**	7323.725	40.55	-3.39	54.0	13.45	AV	12.00	100	Horizontal	Pass
5	12312.713	52.70	1.39	74.0	21.30	Peak	157.00	150	Horizontal	Pass
5**	12312.713	43.66	1.39	54.0	10.34	AV	157.00	150	Horizontal	Pass
6	16032.300	56.12	0.73	74.0	17.88	Peak	178.00	200	Horizontal	Pass
6**	16032.300	46.04	0.73	54.0	7.96	AV	178.00	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	1440.100	53.06	-17.23	74.0	20.94	Peak	197.00	150	Vertical	Pass
1**	1440.100	50.94	-17.23	54.0	3.06	AV	197.00	150	Vertical	Pass
2	3704.000	51.42	-5.13	74.0	22.58	Peak	320.00	300	Vertical	Pass
2**	3704.000	39.47	-5.13	54.0	14.53	AV	320.00	300	Vertical	Pass
3	5777.400	89.35	-2.13	--	--	Peak	228.00	100	Vertical	N/A
3**	5777.400	81.90	-2.13	--	--	AV	228.00	100	Vertical	N/A
4	7326.888	49.41	-3.40	74.0	24.59	Peak	254.00	200	Vertical	Pass
4**	7326.888	40.61	-3.40	54.0	13.39	AV	254.00	200	Vertical	Pass
5	12281.950	53.61	1.79	74.0	20.39	Peak	40.00	200	Vertical	Pass
5**	12281.950	43.80	1.79	54.0	10.20	AV	40.00	200	Vertical	Pass
6	15842.250	56.36	1.41	74.0	17.64	Peak	344.00	400	Vertical	Pass
6**	15842.250	46.74	1.41	54.0	7.26	AV	344.00	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	1440.200	53.77	-17.22	74.0	20.23	Peak	205.00	150	Horizontal	Pass
1**	1440.200	50.95	-17.22	54.0	3.05	AV	205.00	150	Horizontal	Pass
2	4220.200	50.24	-4.45	74.0	23.76	Peak	55.00	150	Horizontal	Pass
2**	4220.200	48.52	-4.45	54.0	5.48	AV	55.00	150	Horizontal	Pass
3	5826.600	94.16	-2.01	--	--	Peak	159.00	200	Horizontal	N/A
3**	5826.600	85.50	-2.01	--	--	AV	159.00	200	Horizontal	N/A
4	7383.813	50.96	-3.55	74.0	23.04	Peak	64.00	200	Horizontal	Pass
4**	7383.813	41.33	-3.55	54.0	12.67	AV	64.00	200	Horizontal	Pass
5	12323.925	53.24	1.42	74.0	20.76	Peak	255.00	150	Horizontal	Pass
5**	12323.925	43.65	1.42	54.0	10.35	AV	255.00	150	Horizontal	Pass
6	15829.913	55.65	1.50	74.0	18.35	Peak	19.00	200	Horizontal	Pass
6**	15829.913	46.21	1.50	54.0	7.79	AV	19.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	52.44	-17.24	74.0	21.56	Peak	194.00	150	Vertical	Pass
1**	1440.000	50.54	-17.24	54.0	3.46	AV	194.00	150	Vertical	Pass
2	3957.200	49.85	-4.52	74.0	24.15	Peak	79.00	200	Vertical	Pass
2**	3957.200	40.03	-4.52	54.0	13.97	AV	79.00	200	Vertical	Pass
3	5819.600	90.43	-2.52	--	--	Peak	263.00	100	Vertical	N/A
3**	5819.600	82.56	-2.52	--	--	AV	263.00	100	Vertical	N/A
4	7345.288	49.71	-3.50	74.0	24.29	Peak	345.00	200	Vertical	Pass
4**	7345.288	40.49	-3.50	54.0	13.51	AV	345.00	200	Vertical	Pass
5	11631.625	52.65	-0.20	74.0	21.35	Peak	327.00	200	Vertical	Pass
5**	11631.625	43.31	-0.20	54.0	10.69	AV	327.00	200	Vertical	Pass
6	15796.575	55.62	2.22	74.0	18.38	Peak	360.00	100	Vertical	Pass
6**	15796.575	46.10	2.22	54.0	7.90	AV	360.00	100	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	1439.900	54.70	-17.25	74.0	19.30	Peak	267.00	150	Horizontal	Pass
1**	1439.900	50.53	-17.25	54.0	3.47	AV	267.00	150	Horizontal	Pass
2	4218.800	50.72	-4.69	74.0	23.28	Peak	80.00	100	Horizontal	Pass
2**	4218.800	41.12	-4.69	54.0	12.88	AV	80.00	100	Horizontal	Pass
3	5739.400	89.95	-2.09	--	--	Peak	198.00	150	Horizontal	N/A
3**	5739.400	82.03	-2.09	--	--	AV	198.00	150	Horizontal	N/A
4	7337.812	50.00	-2.88	74.0	24.00	Peak	262.00	200	Horizontal	Pass
4**	7337.812	40.95	-2.88	54.0	13.05	AV	262.00	200	Horizontal	Pass
5	12279.363	53.03	1.78	74.0	20.97	Peak	245.00	150	Horizontal	Pass
5**	12279.363	43.83	1.78	54.0	10.17	AV	245.00	150	Horizontal	Pass
6	15841.463	55.61	1.42	74.0	18.39	Peak	360.00	200	Horizontal	Pass
6**	15841.463	46.95	1.42	54.0	7.05	AV	360.00	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	1580.900	46.60	-17.16	74.0	27.40	Peak	202.00	400	Vertical	Pass
1**	1580.900	32.60	-17.16	54.0	21.40	AV	202.00	400	Vertical	Pass
2	4220.200	50.27	-4.45	74.0	23.73	Peak	282.00	100	Vertical	Pass
2**	4220.200	46.57	-4.45	54.0	7.43	AV	282.00	100	Vertical	Pass
3	5752.400	96.76	-1.92	--	--	Peak	76.00	200	Vertical	N/A
3**	5752.400	88.78	-1.92	--	--	AV	76.00	200	Vertical	N/A
4	7337.525	49.68	-2.90	74.0	24.32	Peak	301.00	100	Vertical	Pass
4**	7337.525	41.36	-2.90	54.0	12.64	AV	301.00	100	Vertical	Pass
5	11491.900	54.49	0.07	74.0	19.51	Peak	265.00	150	Vertical	Pass
5**	11491.900	44.18	0.07	54.0	9.82	AV	265.00	150	Vertical	Pass
6	11492.187	50.97	0.06	74.0	23.03	Peak	265.00	150	Vertical	Pass
6**	11492.187	46.21	0.06	54.0	7.79	AV	265.00	150	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	1440.400	49.31	-17.19	74.0	24.69	Peak	41.00	400	Horizontal	Pass
1**	1440.400	45.20	-17.19	54.0	8.80	AV	41.00	400	Horizontal	Pass
2	4219.800	51.79	-4.52	74.0	22.21	Peak	206.00	300	Horizontal	Pass
2**	4219.800	45.03	-4.52	54.0	8.97	AV	206.00	300	Horizontal	Pass
3	5777.800	96.82	-2.16	--	--	Peak	183.00	200	Horizontal	N/A
3**	5777.800	88.81	-2.16	--	--	AV	183.00	200	Horizontal	N/A
4	7345.000	49.95	-3.49	74.0	24.05	Peak	240.00	100	Horizontal	Pass
4**	7345.000	40.72	-3.49	54.0	13.28	AV	240.00	100	Horizontal	Pass
5	12444.675	52.87	1.81	74.0	21.13	Peak	337.00	100	Horizontal	Pass
5**	12444.675	43.77	1.81	54.0	10.23	AV	337.00	100	Horizontal	Pass
6	15806.287	55.96	2.24	74.0	18.04	Peak	233.00	200	Horizontal	Pass
6**	15806.287	46.62	2.24	54.0	7.38	AV	233.00	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	1576.900	47.40	-17.39	74.0	26.60	Peak	210.00	100	Vertical	Pass
1**	1576.900	33.07	-17.39	54.0	20.93	AV	210.00	100	Vertical	Pass
2	4220.000	51.02	-4.49	74.0	22.98	Peak	73.00	100	Vertical	Pass
2**	4220.000	44.71	-4.49	54.0	9.29	AV	73.00	100	Vertical	Pass
3	5780.800	96.41	-1.62	--	--	Peak	295.00	150	Vertical	N/A
3**	5780.800	88.23	-1.62	--	--	AV	295.00	150	Vertical	N/A
4	7343.275	49.55	-3.35	74.0	24.45	Peak	130.00	400	Vertical	Pass
4**	7343.275	40.91	-3.35	54.0	13.09	AV	130.00	400	Vertical	Pass
5	11785.437	53.12	1.08	74.0	20.88	Peak	312.00	100	Vertical	Pass
5**	11785.437	43.54	1.08	54.0	10.46	AV	312.00	100	Vertical	Pass
6	15848.549	55.65	1.34	74.0	18.35	Peak	74.00	200	Vertical	Pass
6**	15848.549	46.58	1.34	54.0	7.42	AV	74.00	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	1439.700	49.14	-17.27	74.0	24.86	Peak	40.00	200	Horizontal	Pass
1**	1439.700	44.83	-17.27	54.0	9.17	AV	40.00	200	Horizontal	Pass
2	4220.200	51.35	-4.45	74.0	22.65	Peak	54.00	200	Horizontal	Pass
2**	4220.200	47.27	-4.45	54.0	6.73	AV	54.00	200	Horizontal	Pass
3	4660.200	54.80	-2.37	74.0	19.20	Peak	259.00	150	Horizontal	Pass
3**	4660.200	49.72	-2.37	54.0	4.28	AV	259.00	150	Horizontal	Pass
4	5829.600	99.98	-1.78	--	--	Peak	178.00	200	Horizontal	N/A
4**	5829.600	91.67	-1.78	--	--	AV	178.00	200	Horizontal	N/A
5	7330.337	49.77	-3.45	74.0	24.23	Peak	360.00	400	Horizontal	Pass
5**	7330.337	40.64	-3.45	54.0	13.36	AV	360.00	400	Horizontal	Pass
6	12281.088	52.87	1.80	74.0	21.13	Peak	138.00	150	Horizontal	Pass
6**	12281.088	44.36	1.80	54.0	9.64	AV	138.00	150	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	1440.000	45.51	-17.24	74.0	28.49	Peak	45.00	300	Vertical	Pass
1**	1440.000	42.90	-17.24	54.0	11.10	AV	45.00	300	Vertical	Pass
2	4220.000	50.73	-4.49	74.0	23.27	Peak	54.00	300	Vertical	Pass
2**	4220.000	44.88	-4.49	54.0	9.12	AV	54.00	300	Vertical	Pass
3	4660.400	51.97	-2.36	74.0	22.03	Peak	112.00	150	Vertical	Pass
3**	4660.400	48.78	-2.36	54.0	5.22	AV	112.00	150	Vertical	Pass
4	5817.000	96.48	-2.14	--	--	Peak	247.00	150	Vertical	N/A
4**	5817.000	88.86	-2.14	--	--	AV	247.00	150	Vertical	N/A
5	7342.700	49.71	-3.27	74.0	24.29	Peak	253.00	200	Vertical	Pass
5**	7342.700	41.15	-3.27	54.0	12.85	AV	253.00	200	Vertical	Pass
6	11792.912	53.37	0.94	74.0	20.63	Peak	36.00	150	Vertical	Pass
6**	11792.912	43.06	0.94	54.0	10.94	AV	36.00	150	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	1439.300	48.98	-17.31	74.0	25.02	Peak	38.00	400	Horizontal	Pass
1**	1439.300	40.52	-17.31	54.0	13.48	AV	38.00	400	Horizontal	Pass
2	4220.000	50.89	-4.49	74.0	23.11	Peak	205.00	100	Horizontal	Pass
2**	4220.000	44.77	-4.49	54.0	9.23	AV	205.00	100	Horizontal	Pass
3	5738.800	92.24	-2.10	--	--	Peak	183.00	150	Horizontal	N/A
3**	5738.800	84.41	-2.10	--	--	AV	183.00	150	Horizontal	N/A
4	7329.475	49.63	-3.53	74.0	24.37	Peak	258.00	400	Horizontal	Pass
4**	7329.475	40.65	-3.53	54.0	13.35	AV	258.00	400	Horizontal	Pass
5	12049.937	53.50	1.03	74.0	20.50	Peak	327.00	100	Horizontal	Pass
5**	12049.937	43.35	1.03	54.0	10.65	AV	327.00	100	Horizontal	Pass
6	16129.162	55.86	0.98	74.0	18.14	Peak	142.00	300	Horizontal	Pass
6**	16129.162	46.18	0.98	54.0	7.82	AV	142.00	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	1439.800	45.89	-17.26	74.0	28.11	Peak	49.00	300	Vertical	Pass
1**	1439.800	41.88	-17.26	54.0	12.12	AV	49.00	300	Vertical	Pass
2	4603.800	50.48	-3.82	74.0	23.52	Peak	103.00	150	Vertical	Pass
2**	4603.800	48.52	-3.82	54.0	5.48	AV	103.00	150	Vertical	Pass
3	5758.200	92.85	-1.64	--	--	Peak	80.00	200	Vertical	N/A
3**	5758.200	84.49	-1.64	--	--	AV	80.00	200	Vertical	N/A
4	7336.950	49.76	-3.01	74.0	24.24	Peak	138.00	200	Vertical	Pass
4**	7336.950	42.20	-3.01	54.0	11.80	AV	138.00	200	Vertical	Pass
5	11959.088	53.56	0.96	74.0	20.44	Peak	98.00	150	Vertical	Pass
5**	11959.088	43.65	0.96	54.0	10.35	AV	98.00	150	Vertical	Pass
6	16111.575	55.70	0.74	74.0	18.30	Peak	311.00	200	Vertical	Pass
6**	16111.575	45.80	0.74	54.0	8.20	AV	311.00	200	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	1439.700	49.32	-17.27	74.0	24.68	Peak	38.00	400	Horizontal	Pass
1**	1439.700	45.00	-17.27	54.0	9.00	AV	38.00	400	Horizontal	Pass
2	4219.600	50.94	-4.55	74.0	23.06	Peak	189.00	200	Horizontal	Pass
2**	4219.600	43.35	-4.55	54.0	10.65	AV	189.00	200	Horizontal	Pass
3	4636.200	51.15	-3.55	74.0	22.85	Peak	360.00	150	Horizontal	Pass
3**	4636.200	48.46	-3.55	54.0	5.54	AV	360.00	150	Horizontal	Pass
4	5810.400	95.22	-1.87	--	--	Peak	189.00	150	Horizontal	N/A
4**	5810.400	88.16	-1.87	--	--	AV	189.00	150	Horizontal	N/A
5	7384.675	50.20	-3.68	74.0	23.80	Peak	41.00	400	Horizontal	Pass
5**	7384.675	40.93	-3.68	54.0	13.07	AV	41.00	400	Horizontal	Pass
6	11922.575	52.82	1.51	74.0	21.18	Peak	166.00	150	Horizontal	Pass
6**	11922.575	43.76	1.51	54.0	10.24	AV	166.00	150	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	1575.100	46.13	-17.17	74.0	27.87	Peak	208.00	100	Vertical	Pass
1**	1575.100	33.91	-17.17	54.0	20.09	AV	208.00	100	Vertical	Pass
2	4636.600	50.56	-3.54	74.0	23.44	Peak	112.00	150	Vertical	Pass
2**	4636.600	48.53	-3.54	54.0	5.47	AV	112.00	150	Vertical	Pass
3	5808.800	94.62	-1.94	--	--	Peak	309.00	100	Vertical	N/A
3**	5808.800	88.08	-1.94	--	--	AV	309.00	100	Vertical	N/A
4	7340.975	50.01	-3.07	74.0	23.99	Peak	319.00	400	Vertical	Pass
4**	7340.975	41.65	-3.07	54.0	12.35	AV	319.00	400	Vertical	Pass
5	12285.688	52.78	1.76	74.0	21.22	Peak	285.00	100	Vertical	Pass
5**	12285.688	44.39	1.76	54.0	9.61	AV	285.00	100	Vertical	Pass
6	15798.150	56.04	2.27	74.0	17.96	Peak	342.00	200	Vertical	Pass
6**	15798.150	46.64	2.27	54.0	7.36	AV	342.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	52.97	-17.26	74.0	21.03	Peak	189.00	150	Horizontal	Pass
1**	1439.800	50.90	-17.26	54.0	3.10	AV	189.00	150	Horizontal	Pass
2	4596.400	51.27	-3.91	74.0	22.73	Peak	320.00	150	Horizontal	Pass
2**	4596.400	48.84	-3.91	54.0	5.16	AV	320.00	150	Horizontal	Pass
3	5748.600	95.11	-2.24	--	--	Peak	196.00	100	Horizontal	N/A
3**	5748.600	87.12	-2.24	--	--	AV	196.00	100	Horizontal	N/A
4	7344.425	49.41	-3.47	74.0	24.59	Peak	96.00	200	Horizontal	Pass
4**	7344.425	40.95	-3.47	54.0	13.05	AV	96.00	200	Horizontal	Pass
5	12639.887	53.19	1.13	74.0	20.81	Peak	114.00	150	Horizontal	Pass
5**	12639.887	43.46	1.13	54.0	10.54	AV	114.00	150	Horizontal	Pass
6	15521.475	56.26	1.38	74.0	17.74	Peak	18.00	300	Horizontal	Pass
6**	15521.475	45.53	1.38	54.0	8.47	AV	18.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	51.04	-17.24	74.0	22.96	Peak	201.00	200	Vertical	Pass
1**	1440.000	48.70	-17.24	54.0	5.30	AV	201.00	200	Vertical	Pass
2	4595.800	59.58	-3.86	74.0	14.42	Peak	187.00	150	Vertical	Pass
2**	4595.800	48.27	-3.86	54.0	5.73	AV	187.00	150	Vertical	Pass
3	4596.000	53.11	-3.88	74.0	20.89	Peak	107.00	150	Vertical	Pass
3**	4596.000	50.16	-3.88	54.0	3.84	AV	107.00	150	Vertical	Pass
4	5743.400	94.93	-2.11	--	--	Peak	187.00	150	Vertical	N/A
4**	5743.400	87.21	-2.11	--	--	AV	187.00	150	Vertical	N/A
5	7375.475	49.67	-3.76	74.0	24.33	Peak	89.00	400	Vertical	Pass
5**	7375.475	39.94	-3.76	54.0	14.06	AV	89.00	400	Vertical	Pass
6	12696.526	53.35	0.83	74.0	20.65	Peak	107.00	150	Vertical	Pass
6**	12696.526	43.20	0.83	54.0	10.80	AV	107.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.400	53.28	-17.19	74.0	20.72	Peak	190.00	150	Horizontal	Pass
1**	1440.400	50.76	-17.19	54.0	3.24	AV	190.00	150	Horizontal	Pass
2	4628.000	50.82	-3.50	74.0	23.18	Peak	150.00	150	Horizontal	Pass
2**	4628.000	47.28	-3.50	54.0	6.72	AV	150.00	150	Horizontal	Pass
3	5780.600	96.41	-1.66	--	--	Peak	245.00	150	Horizontal	N/A
3**	5780.600	87.74	-1.66	--	--	AV	245.00	150	Horizontal	N/A
4	7339.250	49.92	-2.93	74.0	24.08	Peak	37.00	400	Horizontal	Pass
4**	7339.250	41.07	-2.93	54.0	12.93	AV	37.00	400	Horizontal	Pass
5	12034.700	52.91	0.80	74.0	21.09	Peak	165.00	100	Horizontal	Pass
5**	12034.700	42.77	0.80	54.0	11.23	AV	165.00	100	Horizontal	Pass
6	15858.525	56.89	1.01	74.0	17.11	Peak	145.00	400	Horizontal	Pass
6**	15858.525	46.10	1.01	54.0	7.90	AV	145.00	400	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	1440.100	50.97	-17.23	74.0	23.03	Peak	195.00	200	Vertical	Pass
1**	1440.100	48.54	-17.23	54.0	5.46	AV	195.00	200	Vertical	Pass
2	1440.200	49.98	-17.22	74.0	24.02	Peak	195.00	150	Vertical	Pass
2**	1440.200	48.62	-17.22	54.0	5.38	AV	195.00	150	Vertical	Pass
3	4628.400	52.43	-3.44	74.0	21.57	Peak	111.00	150	Vertical	Pass
3**	4628.400	50.07	-3.44	54.0	3.93	AV	111.00	150	Vertical	Pass
4	5783.200	96.02	-1.46	--	--	Peak	316.00	100	Vertical	N/A
4**	5783.200	87.97	-1.46	--	--	AV	316.00	100	Vertical	N/A
5	12306.388	53.70	1.38	74.0	20.30	Peak	203.00	150	Vertical	Pass
5**	12306.388	43.68	1.38	54.0	10.32	AV	203.00	150	Vertical	Pass
6	16082.175	55.98	1.59	74.0	18.02	Peak	242.00	100	Vertical	Pass
6**	16082.175	46.42	1.59	54.0	7.58	AV	242.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	52.78	-17.23	74.0	21.22	Peak	191.00	100	Horizontal	Pass
1**	1440.100	49.26	-17.23	54.0	4.74	AV	191.00	100	Horizontal	Pass
2	4660.200	53.93	-2.37	74.0	20.07	Peak	310.00	150	Horizontal	Pass
2**	4660.200	50.48	-2.37	54.0	3.52	AV	310.00	150	Horizontal	Pass
3	5817.800	100.27	-2.28	--	--	Peak	195.00	200	Horizontal	N/A
3**	5817.800	91.90	-2.28	--	--	AV	195.00	200	Horizontal	N/A
4	7343.850	49.59	-3.43	74.0	24.41	Peak	234.00	400	Horizontal	Pass
4**	7343.850	40.31	-3.43	54.0	13.69	AV	234.00	400	Horizontal	Pass
5	12401.549	53.05	1.55	74.0	20.95	Peak	331.00	150	Horizontal	Pass
5**	12401.549	43.86	1.55	54.0	10.14	AV	331.00	150	Horizontal	Pass
6	16029.938	56.36	0.71	74.0	17.64	Peak	305.00	300	Horizontal	Pass
6**	16029.938	46.67	0.71	54.0	7.33	AV	305.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	50.90	-17.26	74.0	23.10	Peak	197.00	200	Vertical	Pass
1**	1439.800	47.01	-17.26	54.0	6.99	AV	197.00	200	Vertical	Pass
2	4220.600	51.38	-4.40	74.0	22.62	Peak	56.00	200	Vertical	Pass
2**	4220.600	43.84	-4.40	54.0	10.16	AV	56.00	200	Vertical	Pass
3	4660.200	52.84	-2.37	74.0	21.16	Peak	108.00	150	Vertical	Pass
3**	4660.200	49.71	-2.37	54.0	4.29	AV	108.00	150	Vertical	Pass
4	5819.000	97.30	-2.45	--	--	Peak	314.00	200	Vertical	N/A
4**	5819.000	89.70	-2.45	--	--	AV	314.00	200	Vertical	N/A
5	7337.812	49.78	-2.88	74.0	24.22	Peak	344.00	200	Vertical	Pass
5**	7337.812	41.68	-2.88	54.0	12.32	AV	344.00	200	Vertical	Pass
6	12616.313	53.64	1.85	74.0	20.36	Peak	278.00	150	Vertical	Pass
6**	12616.313	43.72	1.85	54.0	10.28	AV	278.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	53.06	-17.23	74.0	20.94	Peak	187.00	150	Horizontal	Pass
1**	1440.100	50.47	-17.23	54.0	3.53	AV	187.00	150	Horizontal	Pass
2	4220.200	50.33	-4.45	74.0	23.67	Peak	51.00	150	Horizontal	Pass
2**	4220.200	47.25	-4.45	54.0	6.75	AV	51.00	150	Horizontal	Pass
3	5753.000	93.61	-2.00	--	--	Peak	198.00	100	Horizontal	N/A
3**	5753.000	85.09	-2.00	--	--	AV	198.00	100	Horizontal	N/A
4	7449.937	49.47	-3.21	74.0	24.53	Peak	121.00	400	Horizontal	Pass
4**	7449.937	40.38	-3.21	54.0	13.62	AV	121.00	400	Horizontal	Pass
5	12610.562	53.33	1.89	74.0	20.67	Peak	88.00	100	Horizontal	Pass
5**	12610.562	43.65	1.89	54.0	10.35	AV	88.00	100	Horizontal	Pass
6	15674.776	56.00	1.53	74.0	18.00	Peak	356.00	200	Horizontal	Pass
6**	15674.776	46.15	1.53	54.0	7.85	AV	356.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.400	51.13	-17.19	74.0	22.87	Peak	198.00	400	Vertical	Pass
1**	1440.400	47.19	-17.19	54.0	6.81	AV	198.00	400	Vertical	Pass
2	4604.000	52.77	-3.83	74.0	21.23	Peak	115.00	150	Vertical	Pass
2**	4604.000	50.36	-3.83	54.0	3.64	AV	115.00	150	Vertical	Pass
3	5764.800	92.51	-1.54	--	--	Peak	82.00	200	Vertical	N/A
3**	5764.800	85.43	-1.54	--	--	AV	82.00	200	Vertical	N/A
4	7341.550	49.70	-3.12	74.0	24.30	Peak	84.00	300	Vertical	Pass
4**	7341.550	41.18	-3.12	54.0	12.82	AV	84.00	300	Vertical	Pass
5	12378.550	53.12	1.43	74.0	20.88	Peak	16.00	100	Vertical	Pass
5**	12378.550	43.49	1.43	54.0	10.51	AV	16.00	100	Vertical	Pass
6	15496.537	55.82	1.08	74.0	18.18	Peak	339.00	300	Vertical	Pass
6**	15496.537	46.29	1.08	54.0	7.71	AV	339.00	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	1439.900	53.00	-17.25	74.0	21.00	Peak	193.00	150	Horizontal	Pass
1**	1439.900	50.68	-17.25	54.0	3.32	AV	193.00	150	Horizontal	Pass
2	4381.200	50.16	-3.52	74.0	23.84	Peak	348.00	100	Horizontal	Pass
2**	4381.200	41.43	-3.52	54.0	12.57	AV	348.00	100	Horizontal	Pass
3	5786.400	94.64	-1.65	--	--	Peak	193.00	200	Horizontal	N/A
3**	5786.400	86.49	-1.65	--	--	AV	193.00	200	Horizontal	N/A
4	7321.713	49.98	-3.21	74.0	24.02	Peak	0.00	200	Horizontal	Pass
4**	7321.713	40.83	-3.21	54.0	13.17	AV	0.00	200	Horizontal	Pass
5	11919.126	53.62	1.50	74.0	20.38	Peak	43.00	100	Horizontal	Pass
5**	11919.126	43.92	1.50	54.0	10.08	AV	43.00	100	Horizontal	Pass
6	15506.775	56.29	1.34	74.0	17.71	Peak	75.00	300	Horizontal	Pass
6**	15506.775	46.44	1.34	54.0	7.56	AV	75.00	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	1440.300	50.95	-17.21	74.0	23.05	Peak	199.00	300	Vertical	Pass
1**	1440.300	46.74	-17.21	54.0	7.26	AV	199.00	300	Vertical	Pass
2	4635.800	59.46	-3.56	74.0	14.54	Peak	254.00	150	Vertical	Pass
2**	4635.800	46.83	-3.56	54.0	7.17	AV	254.00	150	Vertical	Pass
3	4636.000	58.25	-3.56	74.0	15.75	Peak	254.00	150	Vertical	Pass
3**	4636.000	50.42	-3.56	54.0	3.58	AV	254.00	150	Vertical	Pass
4	5811.400	92.18	-1.86	--	--	Peak	199.00	100	Vertical	N/A
4**	5811.400	84.63	-1.86	--	--	AV	199.00	100	Vertical	N/A
5	7334.362	50.05	-3.19	74.0	23.95	Peak	17.00	400	Vertical	Pass
5**	7334.362	40.48	-3.19	54.0	13.52	AV	17.00	400	Vertical	Pass
6	12271.600	53.15	1.50	74.0	20.85	Peak	133.00	200	Vertical	Pass
6**	12271.600	44.30	1.50	54.0	9.70	AV	133.00	200	Vertical	Pass

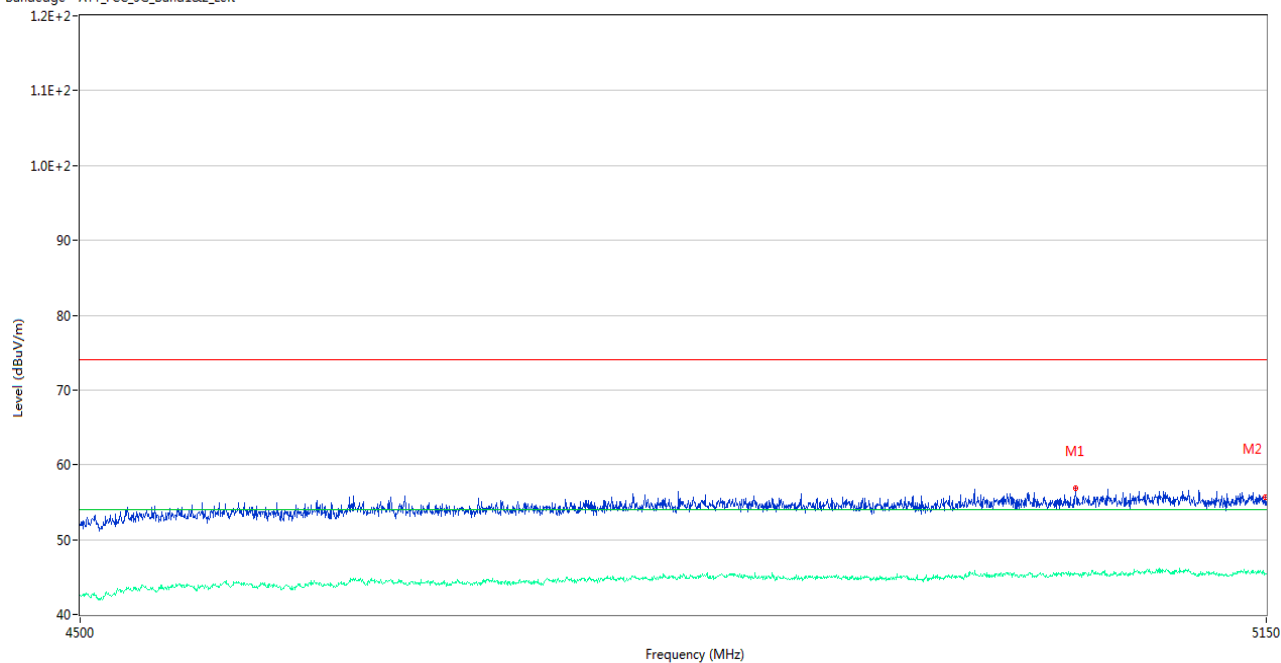
A.6.2 Band Edge (Restricted-band)

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
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass

Test Data and Plots

U-NII-1 11a Low Channel

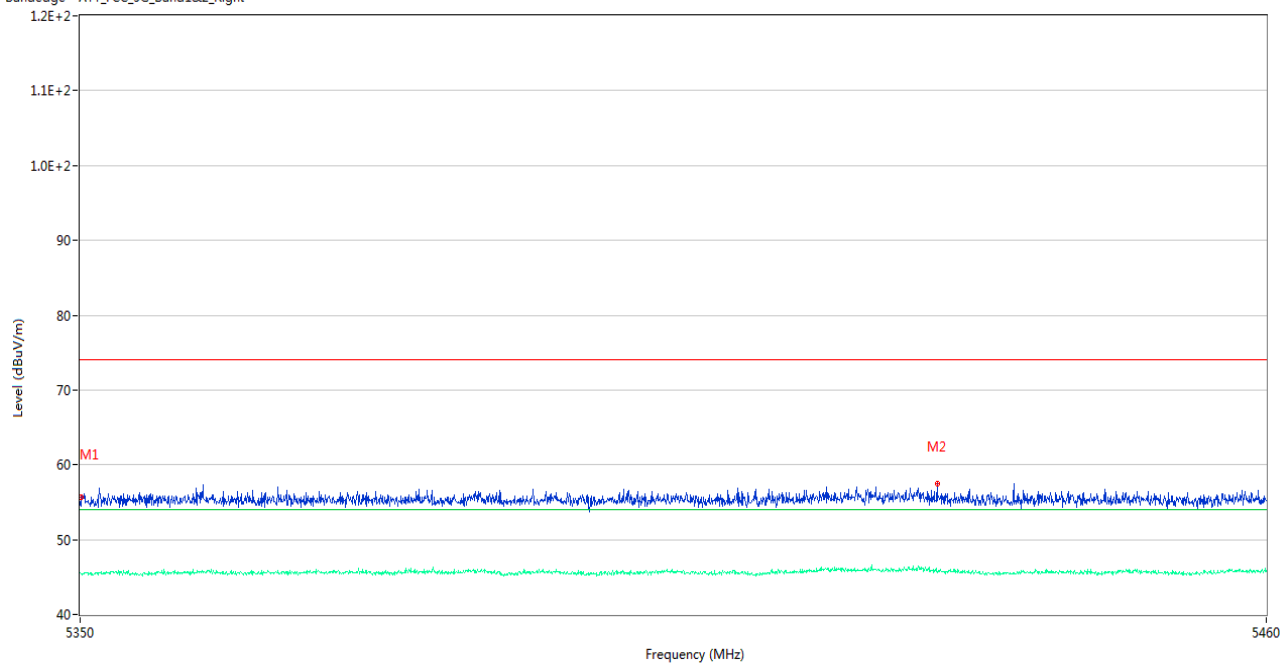
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5039.500	56.85	2.04	74.0	17.15	Peak	167.00	100	Horizontal	Pass
1**	5039.500	45.48	2.04	54.0	8.52	AV	167.00	100	Horizontal	Pass
2	5149.675	55.63	2.07	74.0	18.37	Peak	338.00	200	Horizontal	Pass
2**	5149.675	45.36	2.07	54.0	8.64	AV	338.00	200	Horizontal	Pass

U-NII-1 11a High Channel

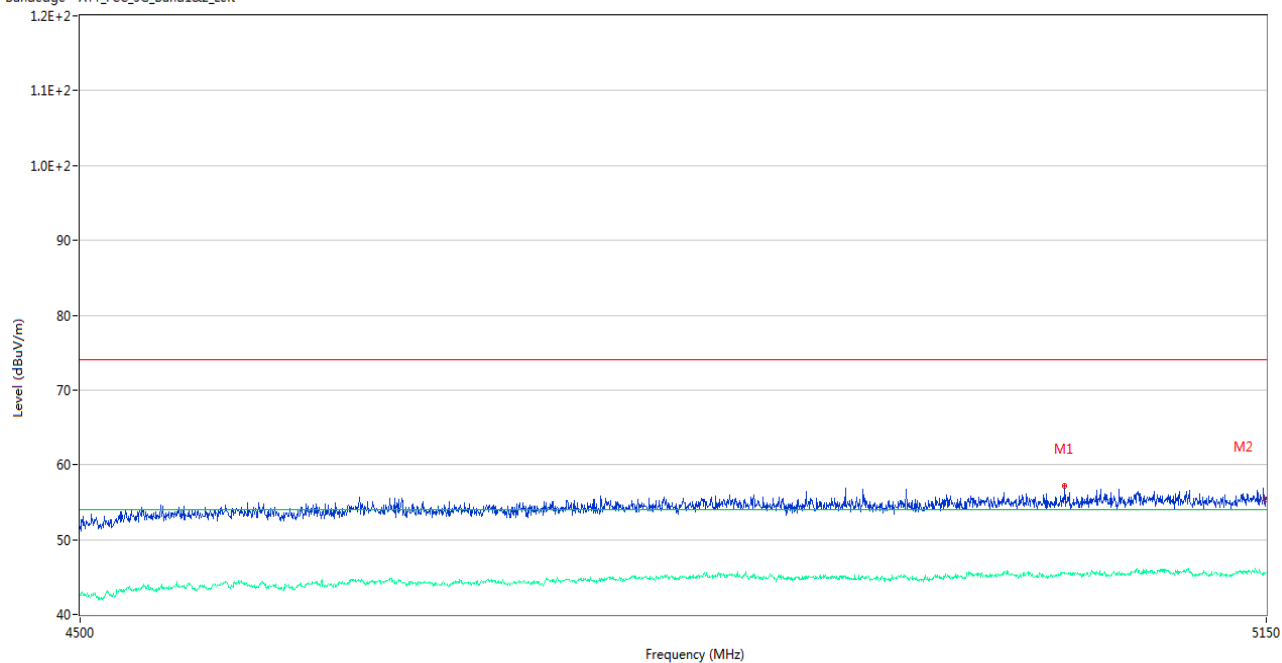
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.71	1.93	74.0	18.29	Peak	261.00	150	Horizontal	Pass
1**	5350.055	45.48	1.93	54.0	8.52	AV	261.00	150	Horizontal	Pass
2	5429.255	57.43	2.33	74.0	16.57	Peak	21.00	150	Horizontal	Pass
2**	5429.255	45.71	2.33	54.0	8.29	AV	21.00	150	Horizontal	Pass

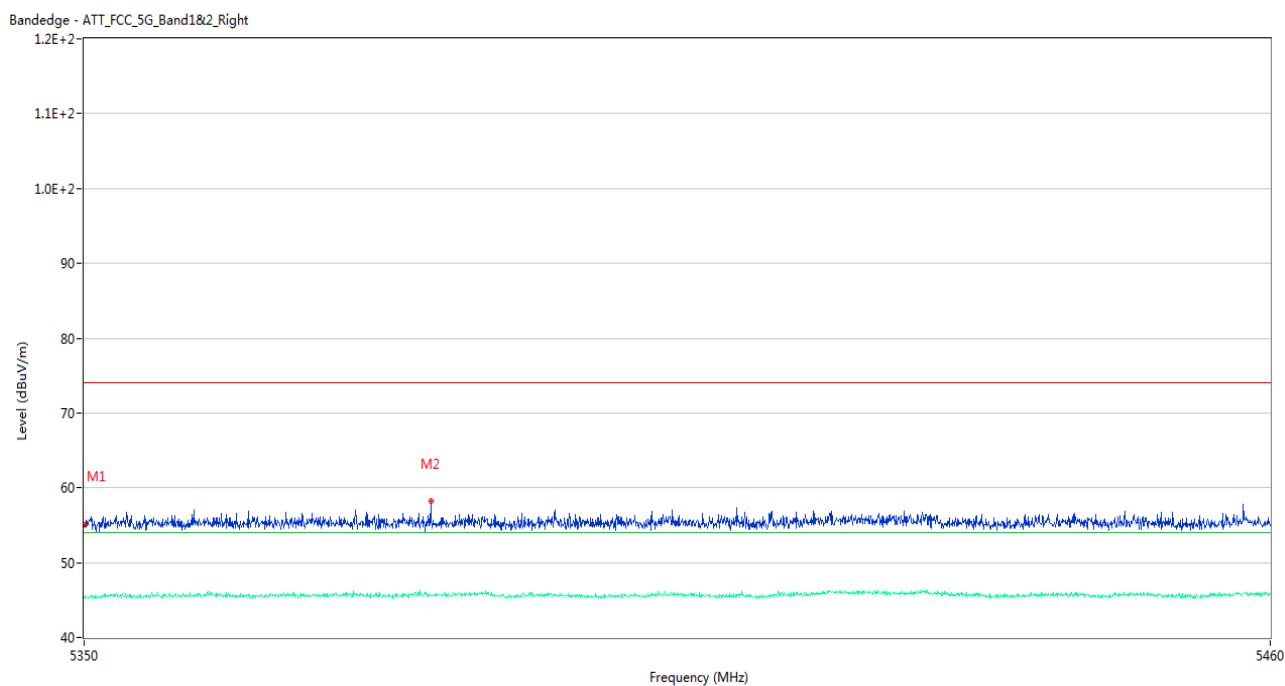
U-NII-1 11n20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5033.325	57.22	2.21	74.0	16.78	Peak	154.00	100	Horizontal	Pass
1**	5033.325	45.39	2.21	54.0	8.61	AV	154.00	100	Horizontal	Pass
2	5149.675	55.35	2.07	74.0	18.65	Peak	176.00	200	Horizontal	Pass
2**	5149.675	45.47	2.07	54.0	8.53	AV	176.00	200	Horizontal	Pass

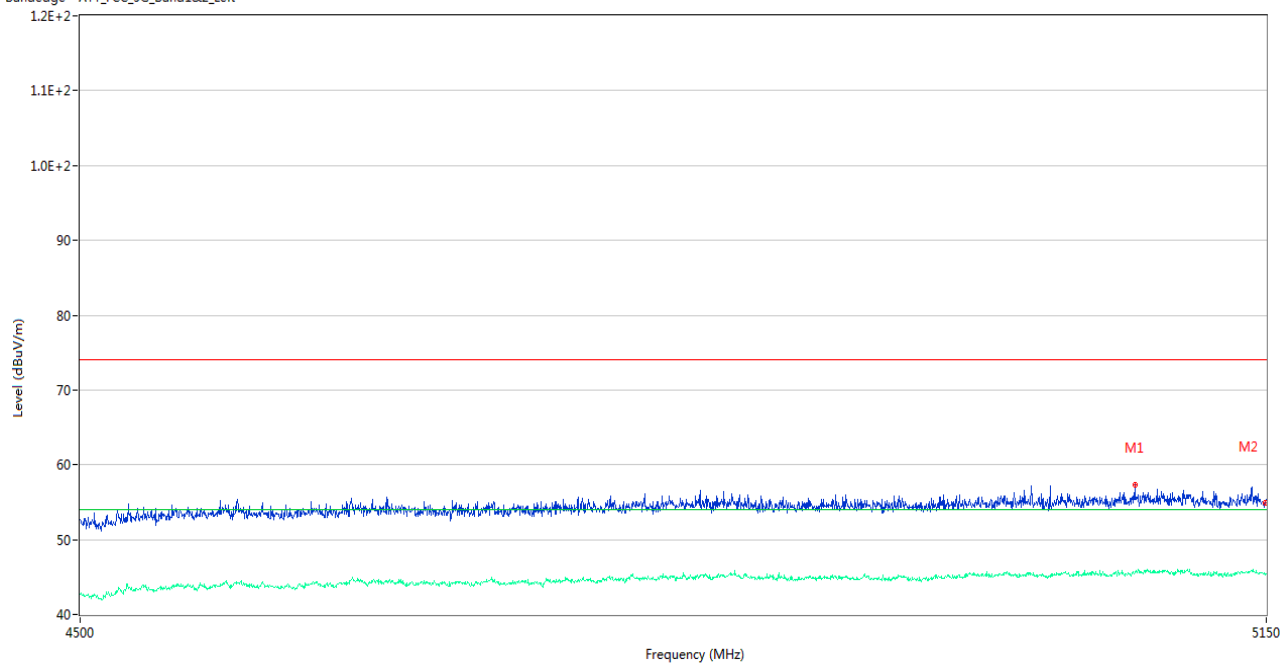
U-NII-1 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.02	1.93	74.0	18.98	Peak	156.00	200	Horizontal	Pass
1**	5350.055	45.62	1.93	54.0	8.38	AV	156.00	200	Horizontal	Pass
2	5381.900	58.22	2.22	74.0	15.78	Peak	332.00	150	Horizontal	Pass
2**	5381.900	45.53	2.22	54.0	8.47	AV	332.00	150	Horizontal	Pass

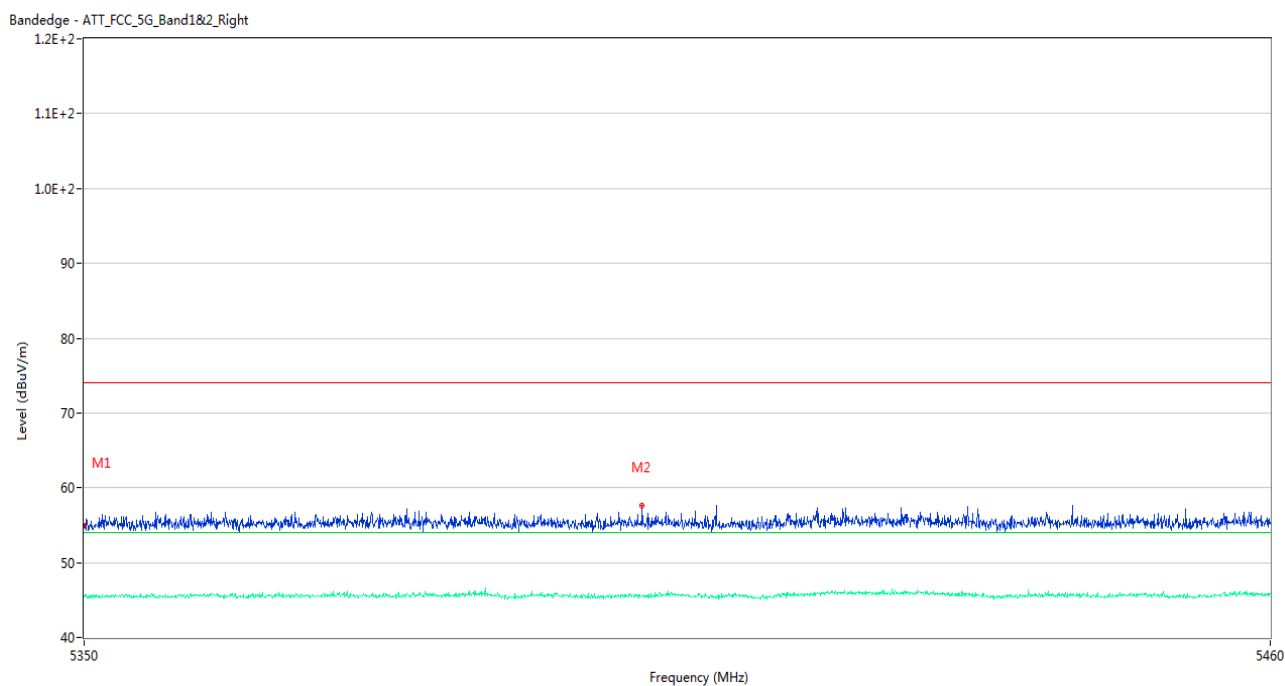
U-NII-1 11n40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5073.625	57.28	2.24	74.0	16.72	Peak	120.00	200	Horizontal	Pass
1**	5073.625	45.61	2.24	54.0	8.39	AV	120.00	200	Horizontal	Pass
2	5149.675	54.90	2.07	74.0	19.10	Peak	215.00	200	Horizontal	Pass
2**	5149.675	45.40	2.07	54.0	8.60	AV	215.00	200	Horizontal	Pass

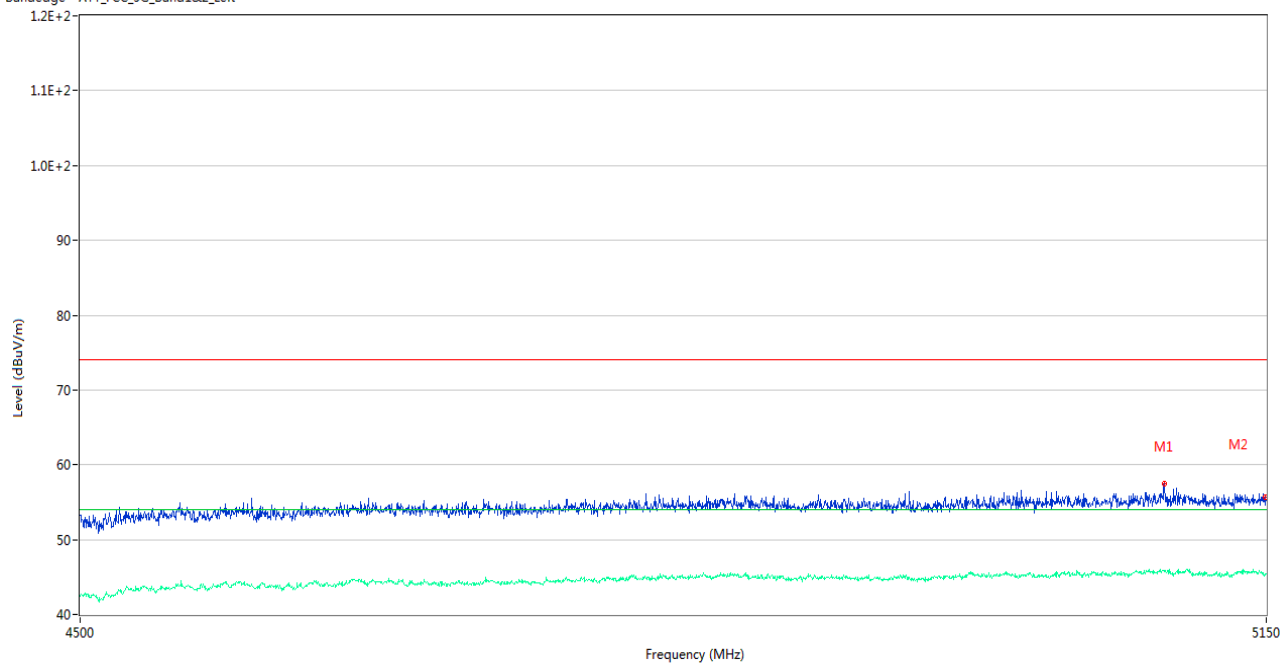
U-NII-1 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.87	1.93	74.0	19.13	Peak	81.00	200	Horizontal	Pass
1**	5350.000	45.39	1.93	54.0	8.61	AV	81.00	200	Horizontal	Pass
2	5401.480	57.69	1.94	74.0	16.31	Peak	360.00	150	Horizontal	Pass
2**	5401.480	45.51	1.94	54.0	8.49	AV	360.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel

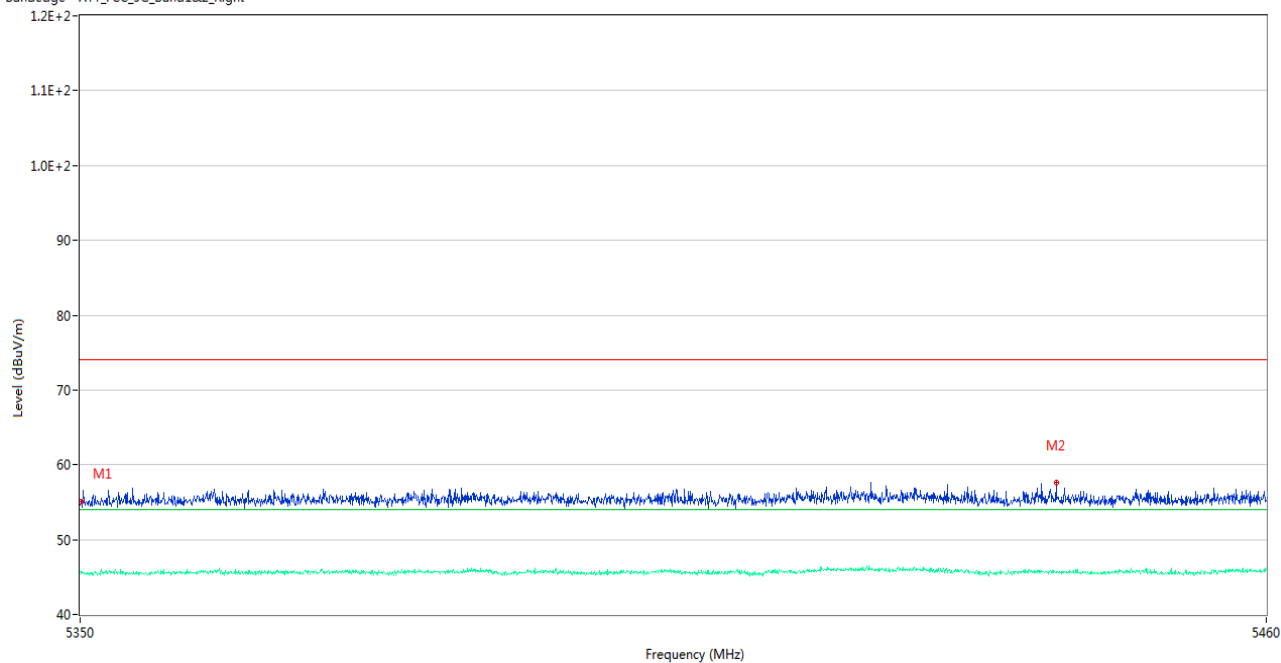
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5090.850	57.45	2.43	74.0	16.55	Peak	251.00	150	Horizontal	Pass
1**	5090.850	45.90	2.43	54.0	8.10	AV	251.00	150	Horizontal	Pass
2	5149.675	55.67	2.07	74.0	18.33	Peak	110.00	200	Horizontal	Pass
2**	5149.675	45.44	2.07	54.0	8.56	AV	110.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel

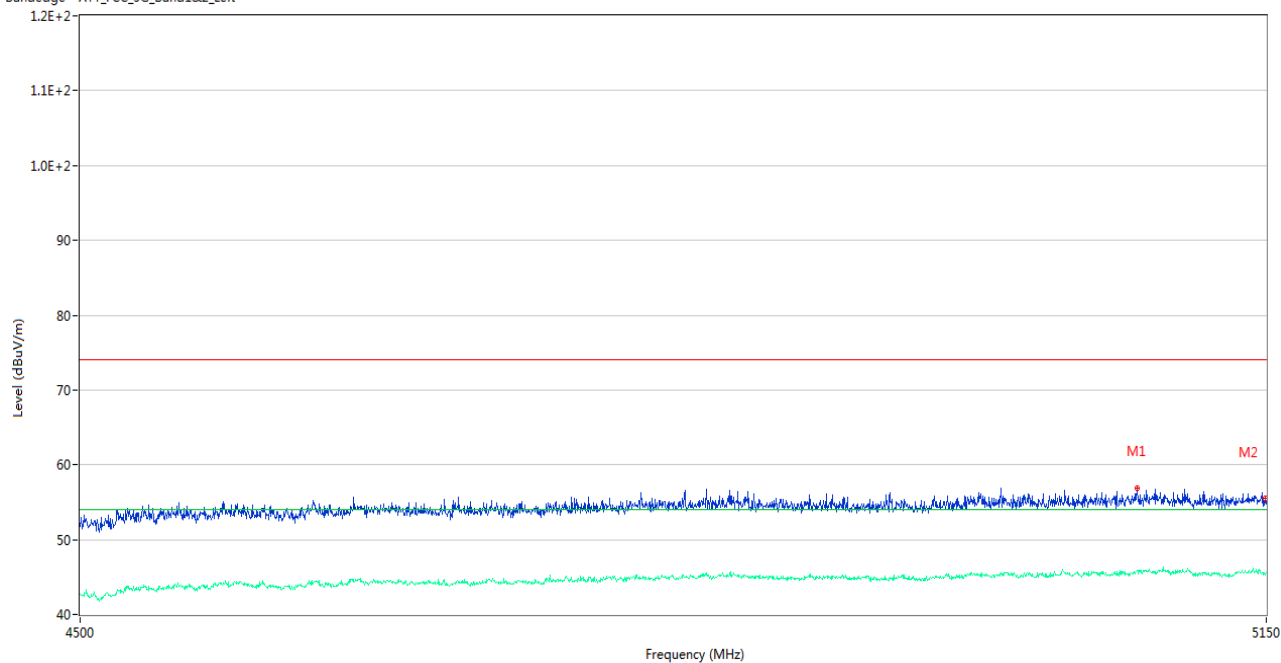
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.00	1.93	74.0	19.00	Peak	164.00	100	Horizontal	Pass
1**	5350.055	45.68	1.93	54.0	8.32	AV	164.00	100	Horizontal	Pass
2	5440.365	57.59	2.32	74.0	16.41	Peak	164.00	150	Horizontal	Pass
2**	5440.365	45.58	2.32	54.0	8.42	AV	164.00	150	Horizontal	Pass

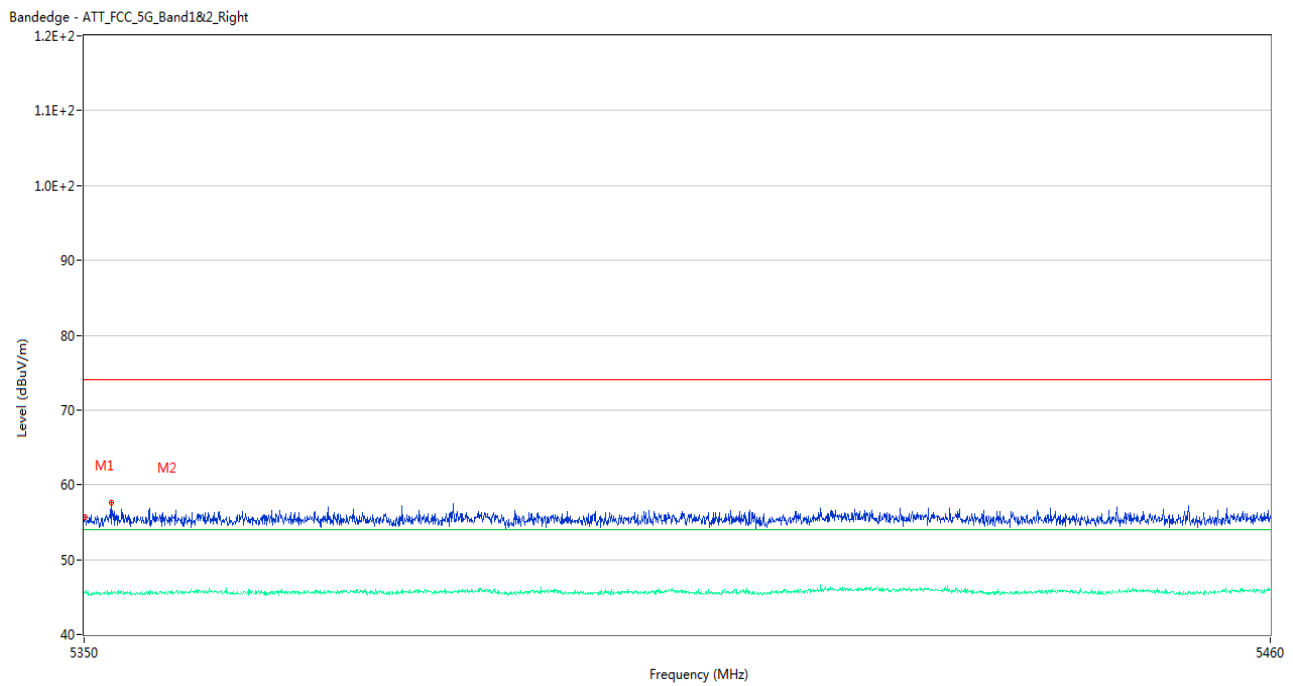
U-NII-1 11ac40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5074.925	56.89	2.33	74.0	17.11	Peak	0.00	200	Horizontal	Pass
1**	5074.925	45.81	2.33	54.0	8.19	AV	0.00	200	Horizontal	Pass
2	5149.675	55.49	2.07	74.0	18.51	Peak	309.00	200	Horizontal	Pass
2**	5149.675	45.43	2.07	54.0	8.57	AV	309.00	200	Horizontal	Pass

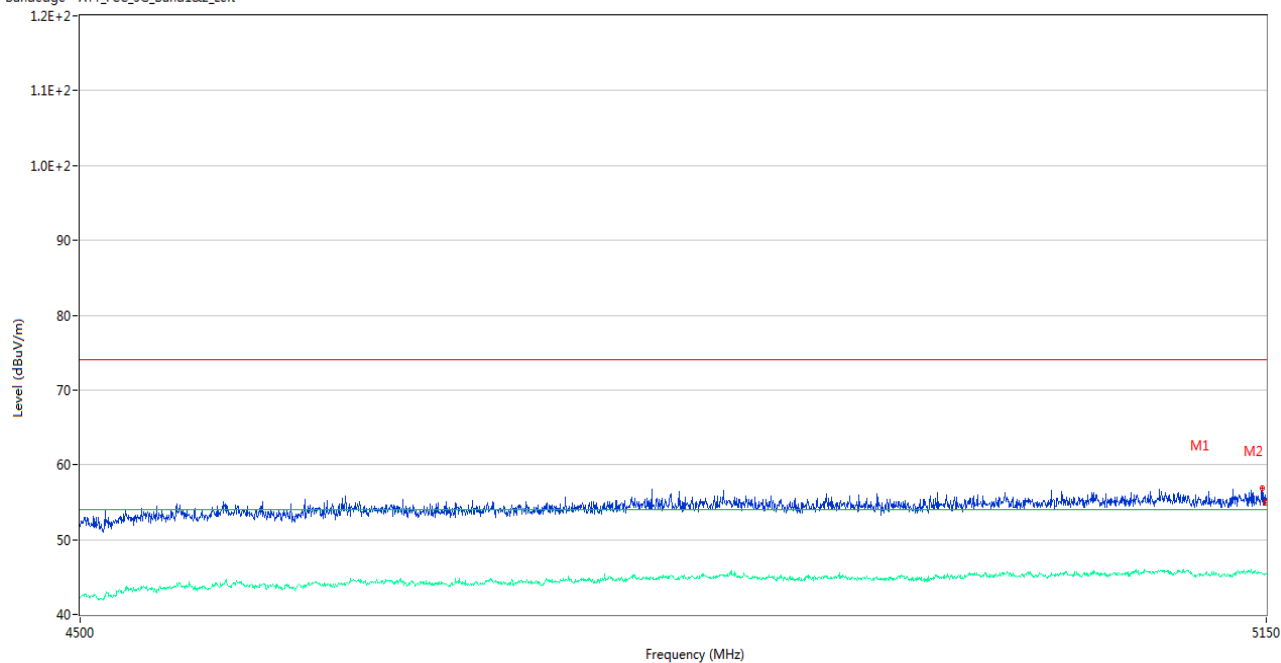
U-NII-1 11ac40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.70	1.93	74.0	18.30	Peak	337.00	150	Horizontal	Pass
1**	5350.055	45.53	1.93	54.0	8.47	AV	337.00	150	Horizontal	Pass
2	5352.475	57.68	2.10	74.0	16.32	Peak	34.00	200	Horizontal	Pass
2**	5352.475	45.83	2.10	54.0	8.17	AV	34.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel

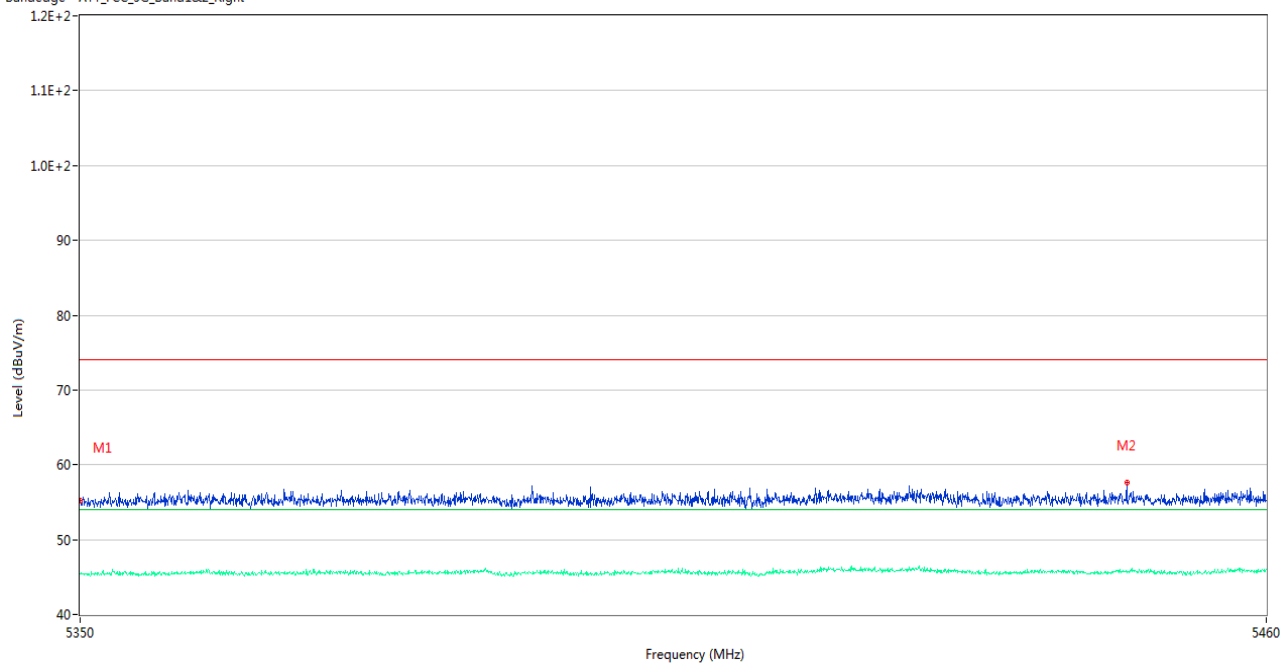
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.400	56.87	2.23	74.0	17.13	Peak	172.00	150	Horizontal	Pass
1**	5147.400	45.37	2.23	54.0	8.63	AV	172.00	150	Horizontal	Pass
2	5149.675	54.93	2.07	74.0	19.07	Peak	253.00	150	Horizontal	Pass
2**	5149.675	45.40	2.07	54.0	8.60	AV	253.00	150	Horizontal	Pass

U-NII-2A 11a High Channel

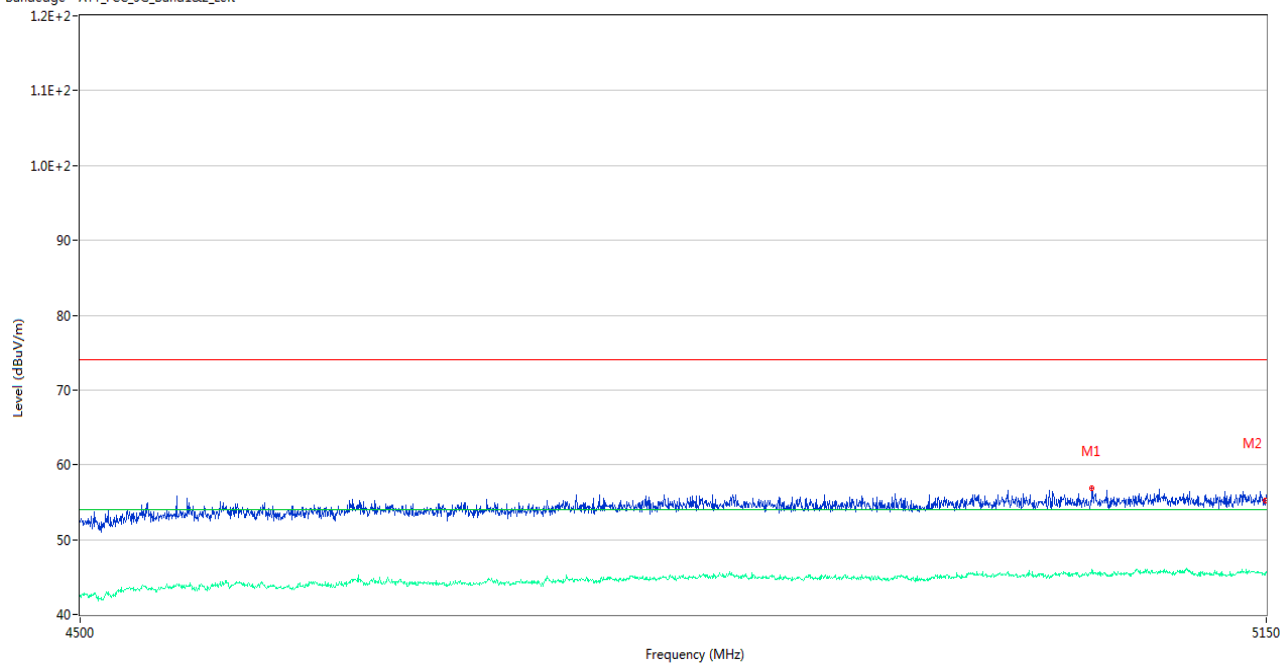
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.23	1.93	74.0	18.77	Peak	3.00	150	Horizontal	Pass
1**	5350.000	45.43	1.93	54.0	8.57	AV	3.00	150	Horizontal	Pass
2	5446.965	57.61	2.40	74.0	16.39	Peak	44.00	100	Horizontal	Pass
2**	5446.965	45.73	2.40	54.0	8.27	AV	44.00	100	Horizontal	Pass

U-NII-2A 11n20 Low Channel

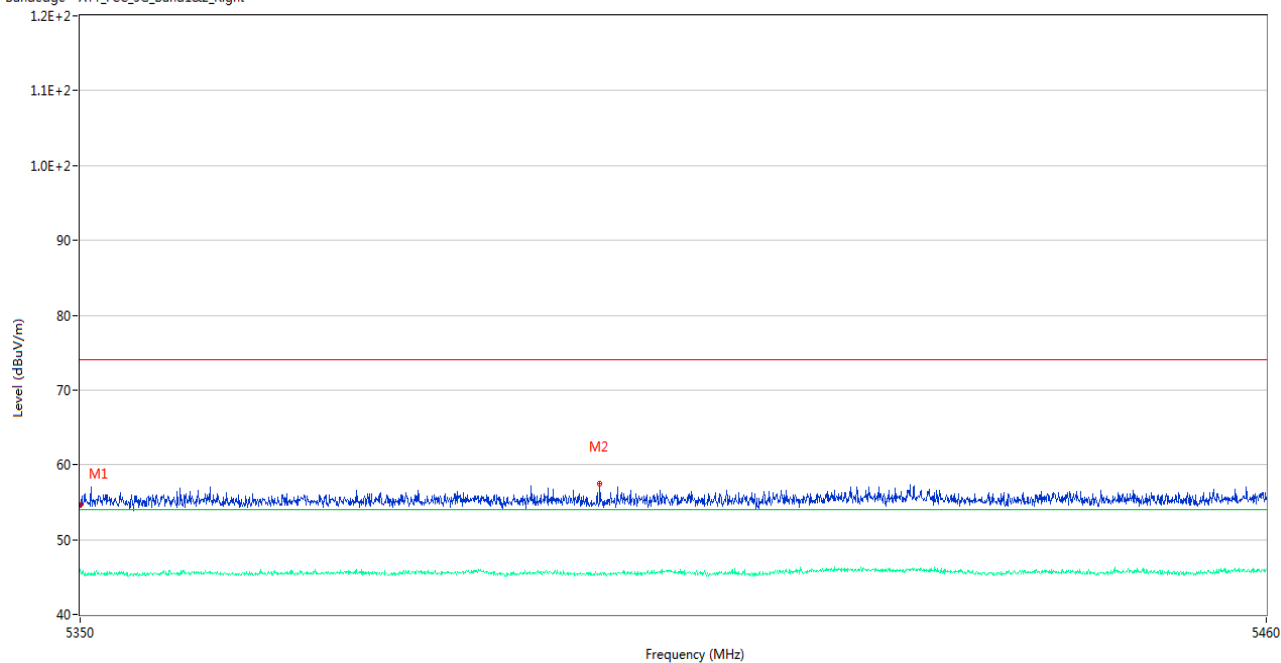
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5048.925	56.88	2.21	74.0	17.12	Peak	225.00	200	Horizontal	Pass
1**	5048.925	45.95	2.21	54.0	8.05	AV	225.00	200	Horizontal	Pass
2	5149.675	55.20	2.07	74.0	18.80	Peak	81.00	100	Horizontal	Pass
2**	5149.675	45.31	2.07	54.0	8.69	AV	81.00	100	Horizontal	Pass

U-NII-2A 11n20 High Channel

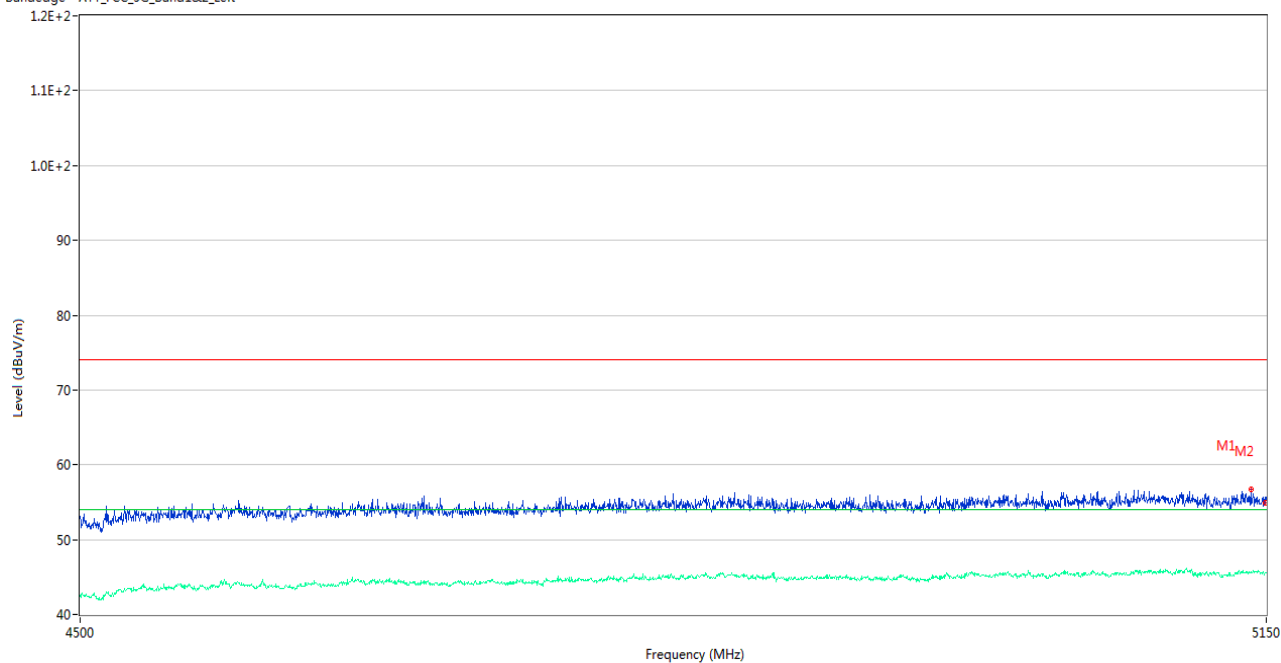
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.65	1.93	74.0	19.35	Peak	227.00	200	Horizontal	Pass
1**	5350.000	45.96	1.93	54.0	8.04	AV	227.00	200	Horizontal	Pass
2	5397.905	57.41	1.91	74.0	16.59	Peak	0.00	100	Horizontal	Pass
2**	5397.905	45.45	1.91	54.0	8.55	AV	0.00	100	Horizontal	Pass

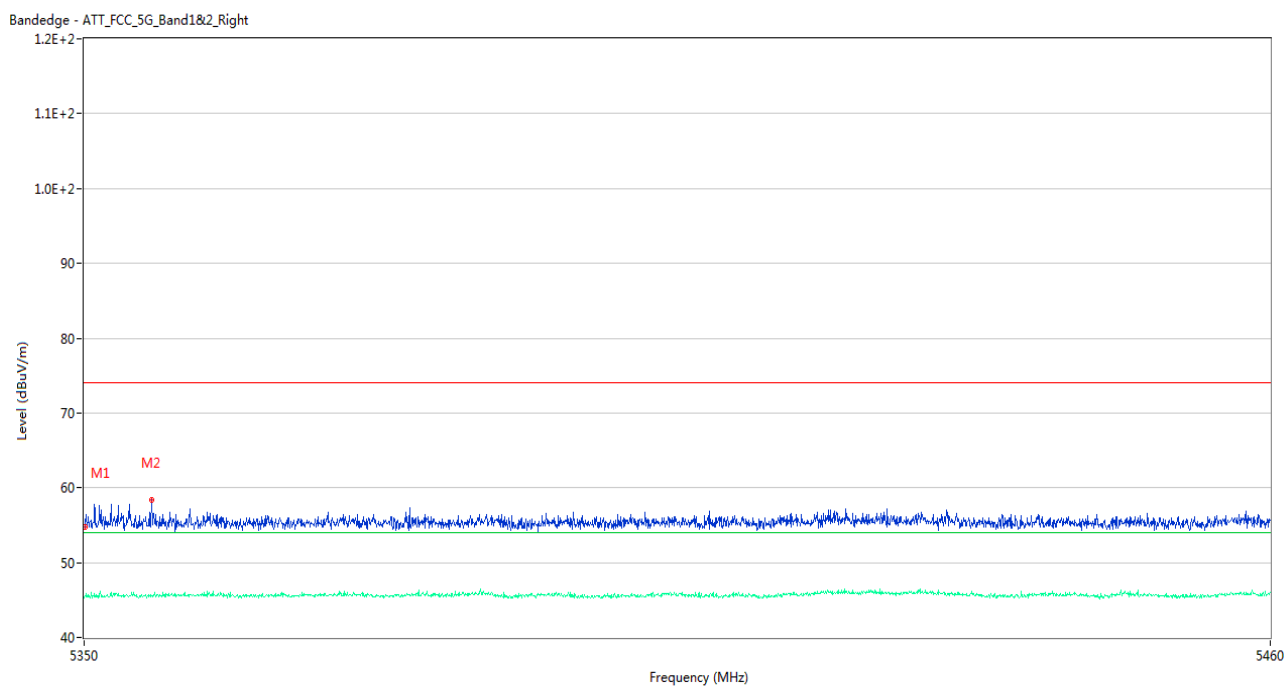
U-NII-2A 11n40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5140.900	56.67	2.37	74.0	17.33	Peak	199.00	200	Horizontal	Pass
1**	5140.900	45.79	2.37	54.0	8.21	AV	199.00	200	Horizontal	Pass
2	5149.675	54.91	2.07	74.0	19.09	Peak	201.00	150	Horizontal	Pass
2**	5149.675	45.60	2.07	54.0	8.40	AV	201.00	150	Horizontal	Pass

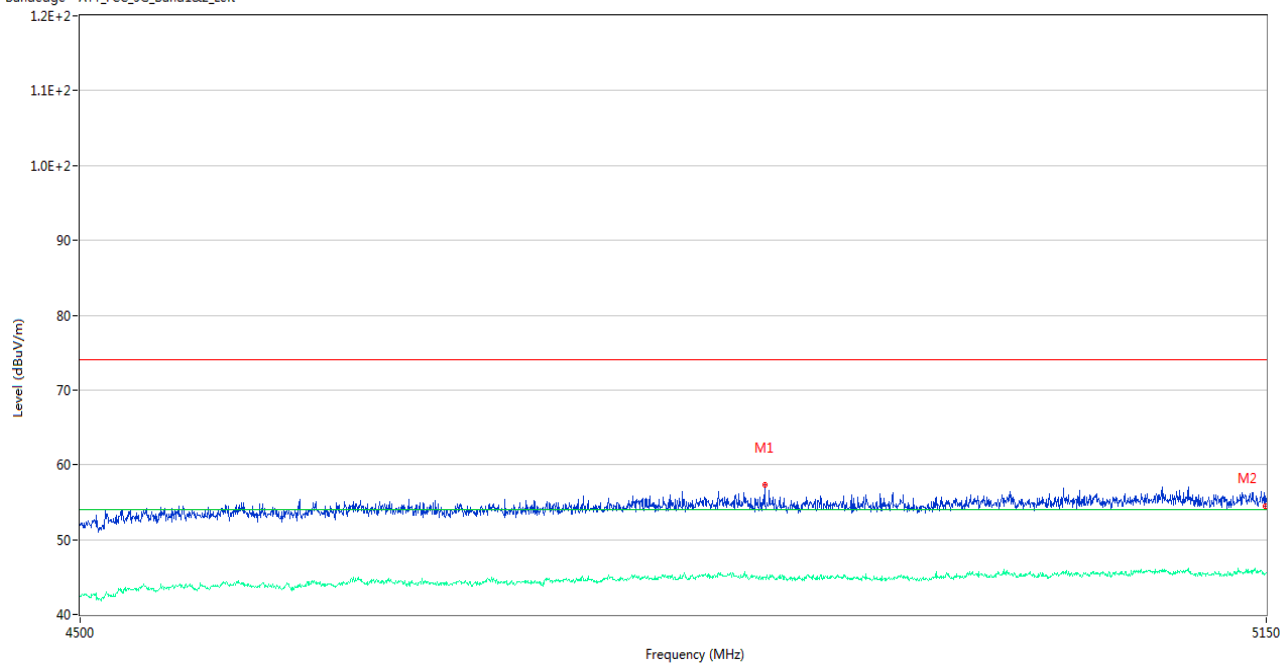
U-NII-2A 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.81	1.93	74.0	19.19	Peak	293.00	200	Horizontal	Pass
1**	5350.055	45.51	1.93	54.0	8.49	AV	293.00	200	Horizontal	Pass
2	5356.215	58.37	2.12	74.0	15.63	Peak	183.00	200	Horizontal	Pass
2**	5356.215	45.60	2.12	54.0	8.40	AV	183.00	200	Horizontal	Pass

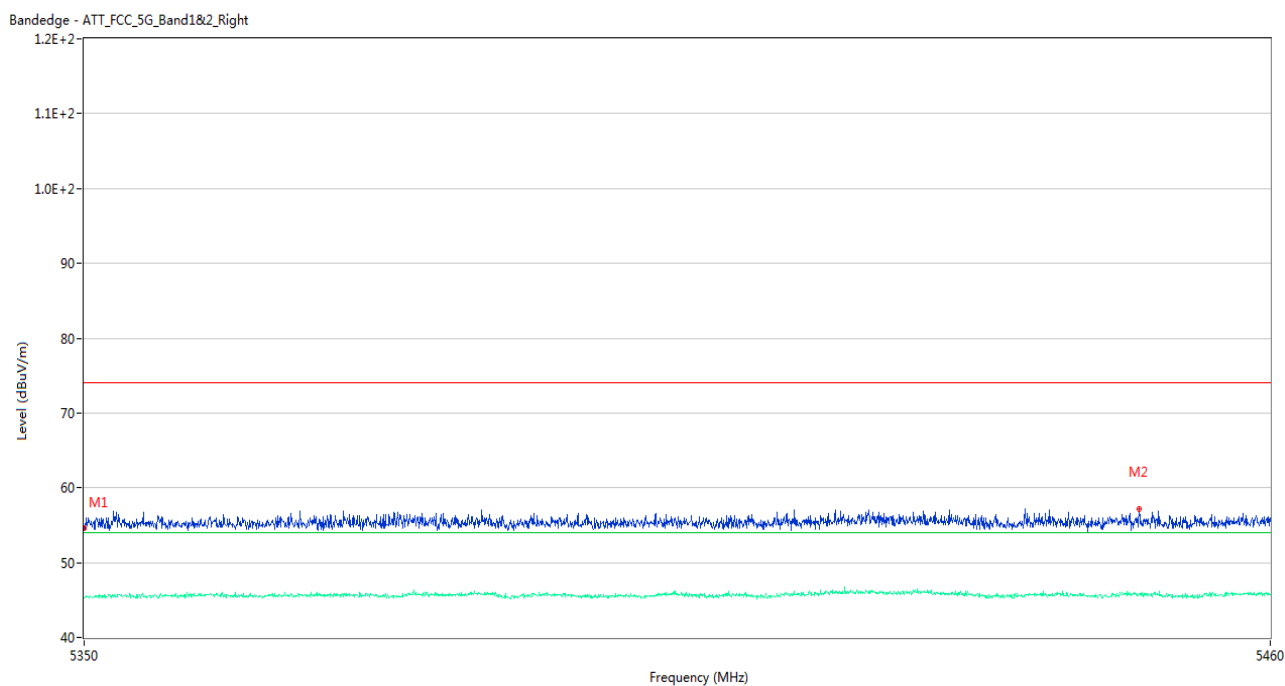
U-NII-2A 11ac20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4864.325	57.34	1.66	74.0	16.66	Peak	80.00	200	Horizontal	Pass
1**	4864.325	44.92	1.66	54.0	9.08	AV	80.00	200	Horizontal	Pass
2	5149.675	54.48	2.07	74.0	19.52	Peak	35.00	100	Horizontal	Pass
2**	5149.675	45.42	2.07	54.0	8.58	AV	35.00	100	Horizontal	Pass

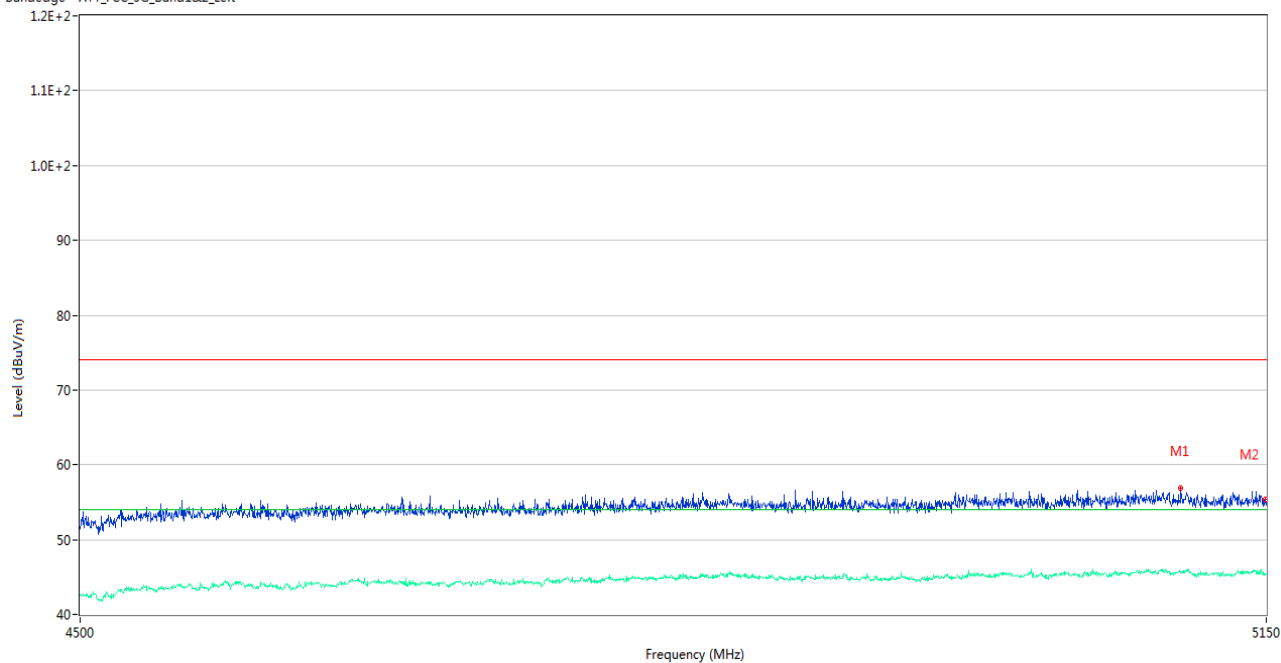
U-NII-2A 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.66	1.93	74.0	19.34	Peak	322.00	150	Horizontal	Pass
1**	5350.000	45.31	1.93	54.0	8.69	AV	322.00	150	Horizontal	Pass
2	5447.735	57.21	2.39	74.0	16.79	Peak	4.00	200	Horizontal	Pass
2**	5447.735	45.92	2.39	54.0	8.08	AV	4.00	200	Horizontal	Pass

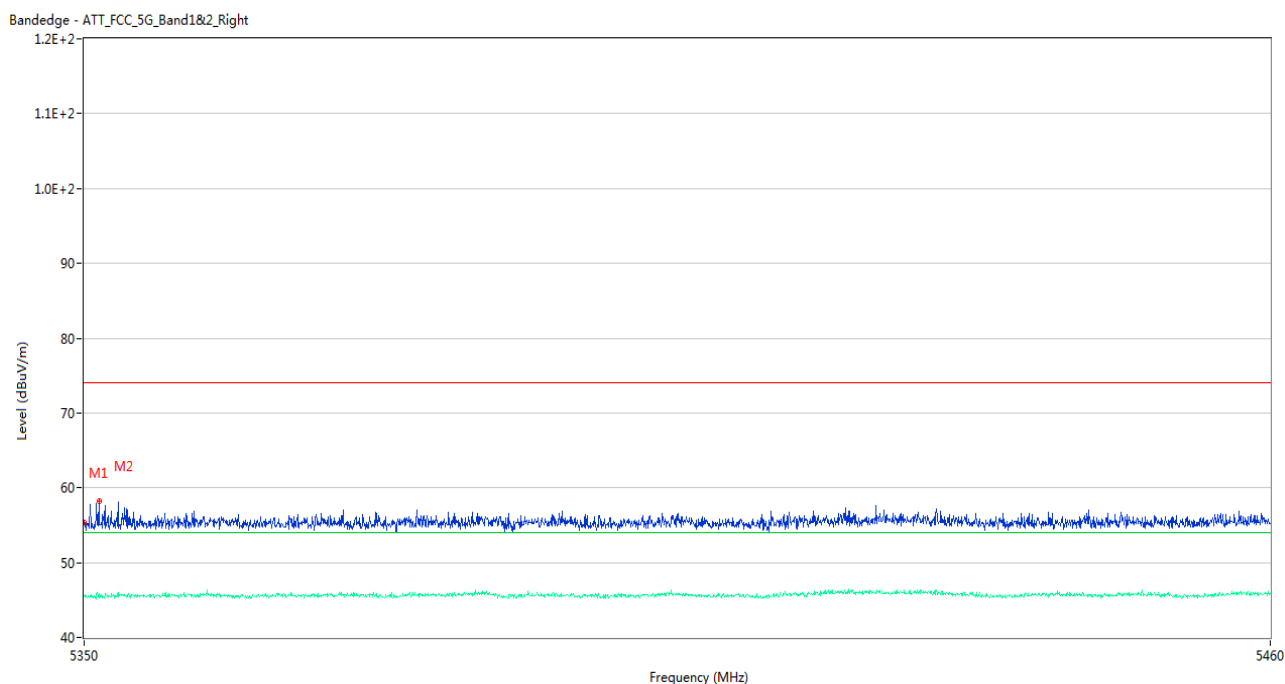
U-NII-2A 11ac40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



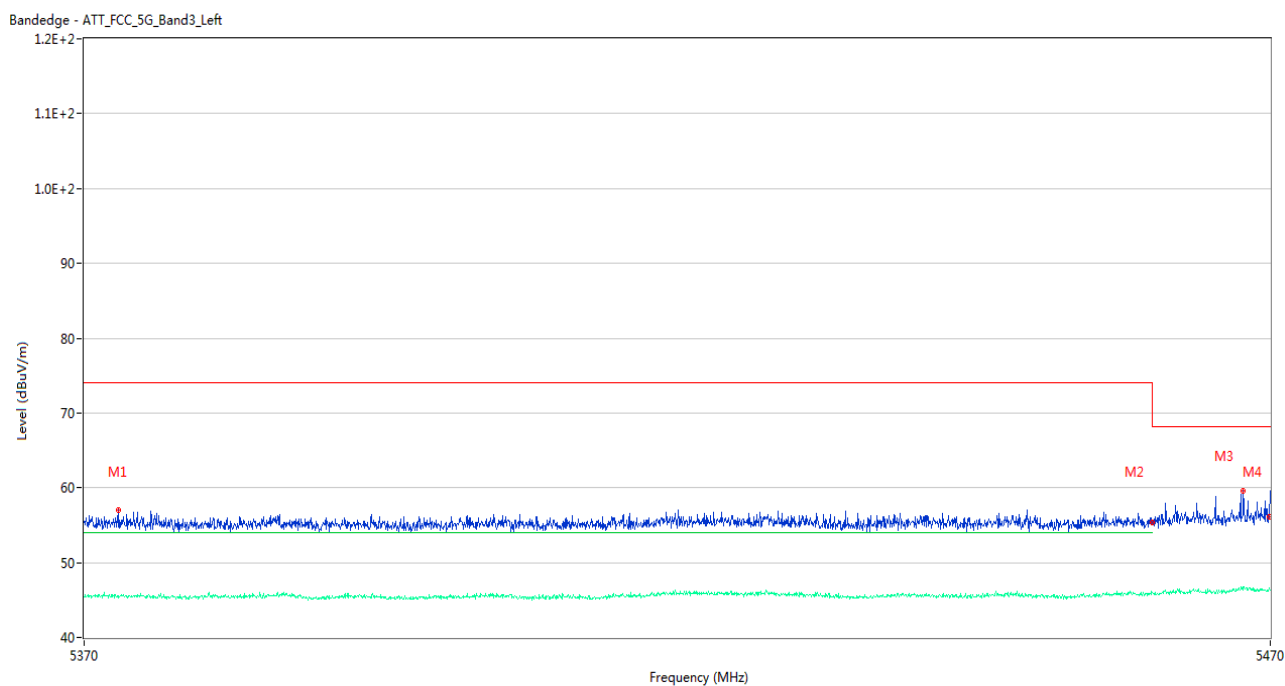
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5100.275	56.86	2.36	74.0	17.14	Peak	343.00	100	Horizontal	Pass
1**	5100.275	45.78	2.36	54.0	8.22	AV	343.00	100	Horizontal	Pass
2	5149.675	55.36	2.07	74.0	18.64	Peak	196.00	150	Horizontal	Pass
2**	5149.675	45.47	2.07	54.0	8.53	AV	196.00	150	Horizontal	Pass

U-NII-2A 11ac40 High Channel



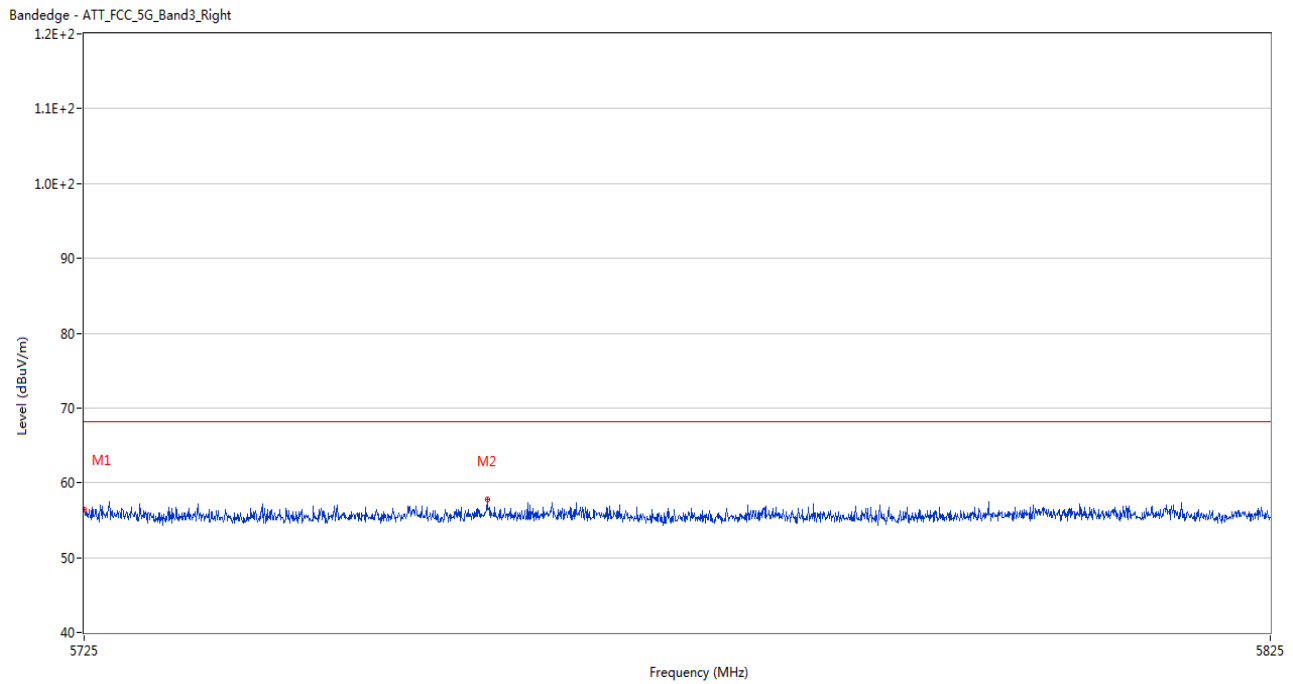
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.37	1.93	74.0	18.63	Peak	172.00	200	Horizontal	Pass
1**	5350.000	45.60	1.93	54.0	8.40	AV	172.00	200	Horizontal	Pass
2	5351.375	58.25	1.95	74.0	15.75	Peak	187.00	150	Horizontal	Pass
2**	5351.375	45.32	1.95	54.0	8.68	AV	187.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



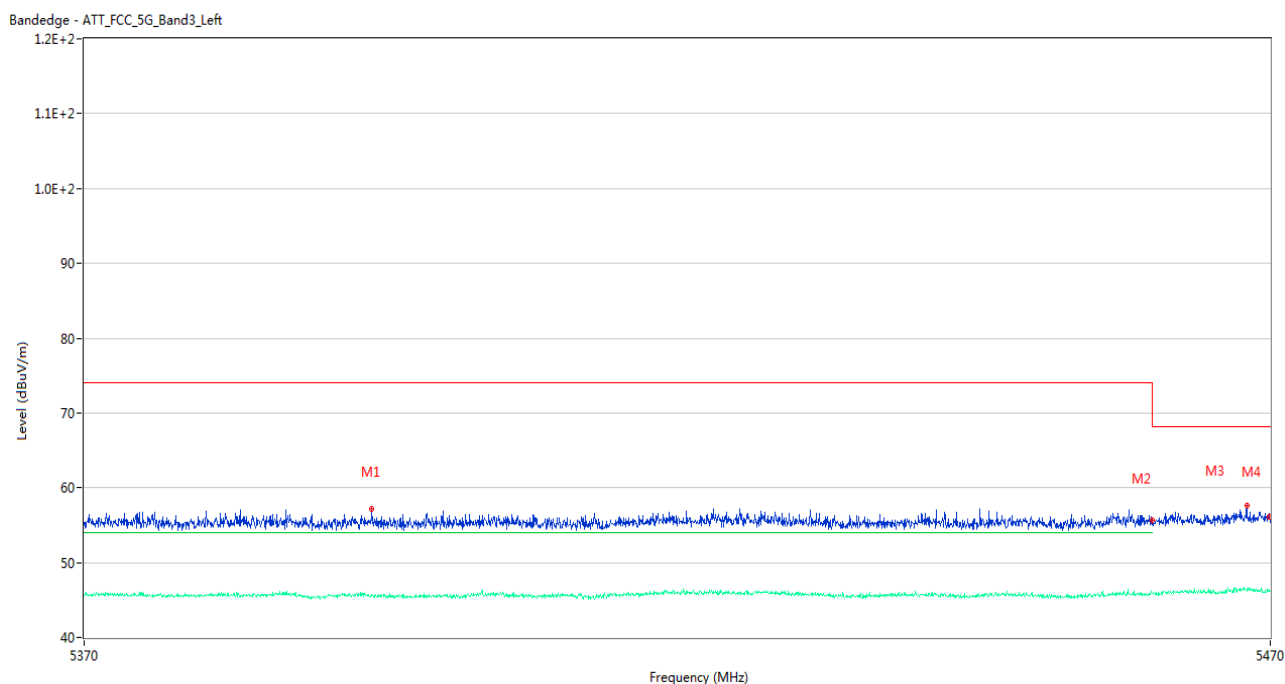
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5372.900	57.08	2.27	74.0	16.92	Peak	7.00	200	Horizontal	Pass
1**	5372.900	45.56	2.27	54.0	8.44	AV	7.00	200	Horizontal	Pass
2	5460.000	55.36	2.50	74.0	18.64	Peak	208.00	150	Horizontal	Pass
2**	5460.000	46.01	2.50	54.0	7.99	AV	208.00	150	Horizontal	Pass
3	5467.700	59.63	3.16	68.2	8.57	Peak	192.00	200	Horizontal	Pass
3**	5467.700	46.71	3.16	--	--	AV	192.00	200	Horizontal	N/A
4	5469.950	56.19	2.87	68.2	12.01	Peak	48.00	100	Horizontal	Pass
4**	5469.950	46.58	2.87	--	--	AV	48.00	100	Horizontal	N/A

U-NII-2C 11a High Channel



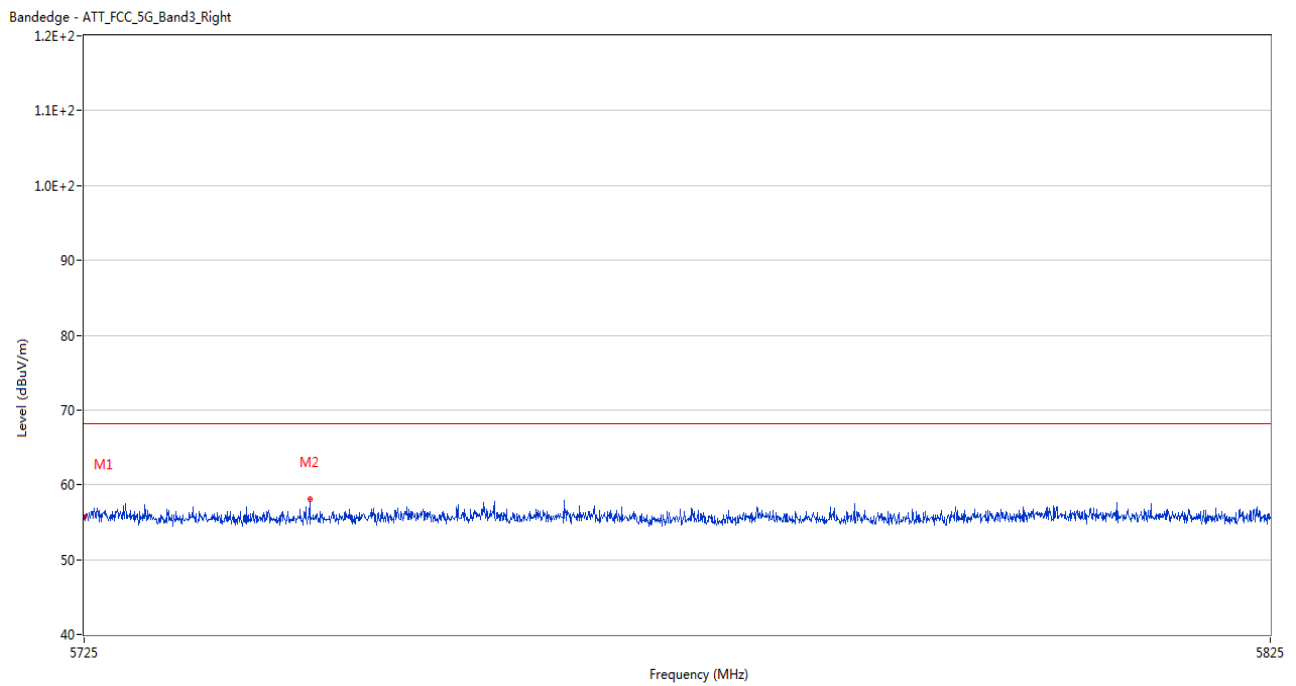
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.46	2.55	68.2	11.74	Peak	360.00	100	Horizontal	Pass
2	5758.800	57.84	2.78	68.2	10.36	Peak	170.00	150	Horizontal	Pass

U-NII-2C 11n20 Low Channel



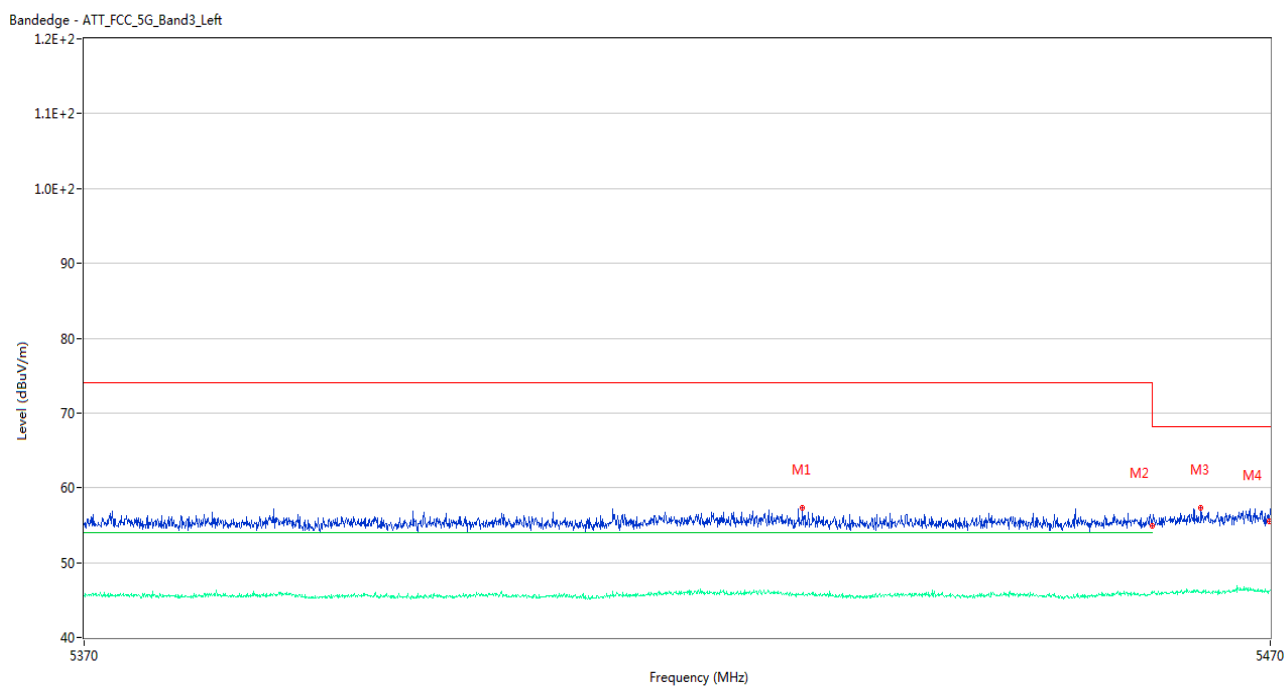
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5394.100	57.21	2.10	74.0	16.79	Peak	265.00	100	Horizontal	Pass
1**	5394.100	45.52	2.10	54.0	8.48	AV	265.00	100	Horizontal	Pass
2	5460.000	55.69	2.50	74.0	18.31	Peak	11.00	100	Horizontal	Pass
2**	5460.000	45.88	2.50	54.0	8.12	AV	11.00	100	Horizontal	Pass
3	5468.000	57.69	3.13	68.2	10.51	Peak	67.00	150	Horizontal	Pass
3**	5468.000	46.46	3.13	--	--	AV	67.00	150	Horizontal	N/A
4	5469.950	56.05	2.87	68.2	12.15	Peak	98.00	200	Horizontal	Pass
4**	5469.950	46.16	2.87	--	--	AV	98.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



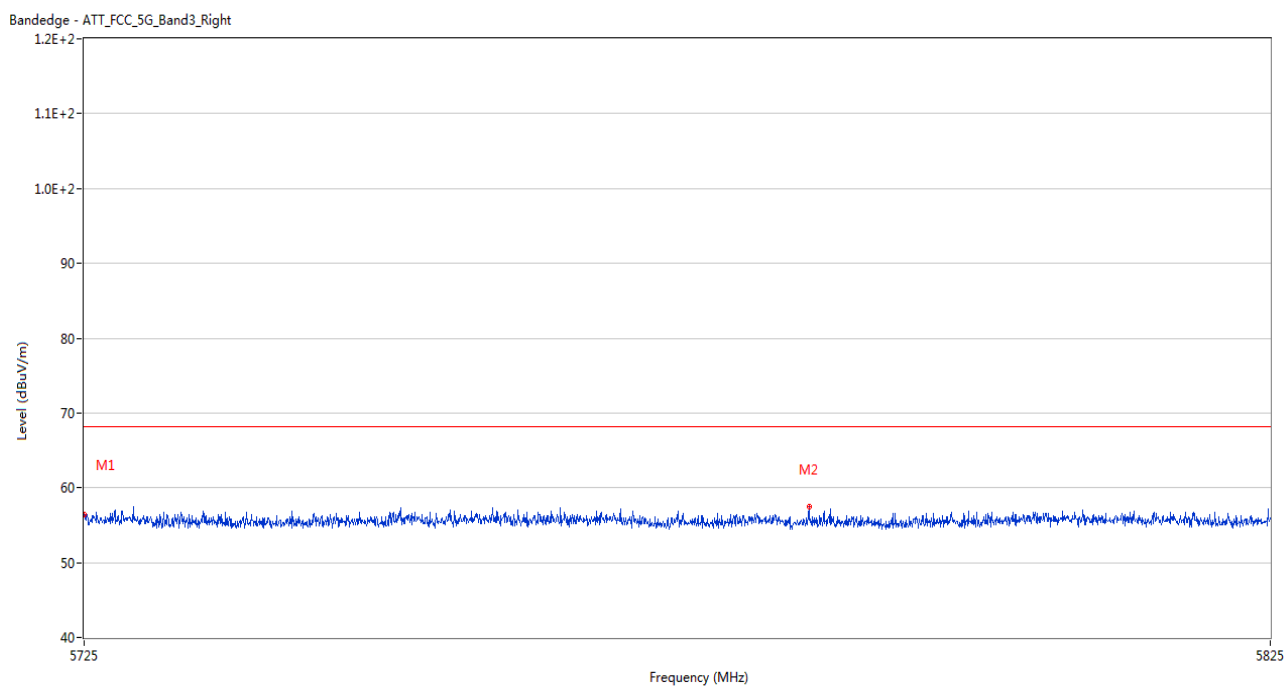
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.73	2.55	68.2	12.47	Peak	163.00	200	Horizontal	Pass
2	5743.900	58.12	2.22	68.2	10.08	Peak	26.00	150	Horizontal	Pass

U-NII-2C 11n40 Low Channel



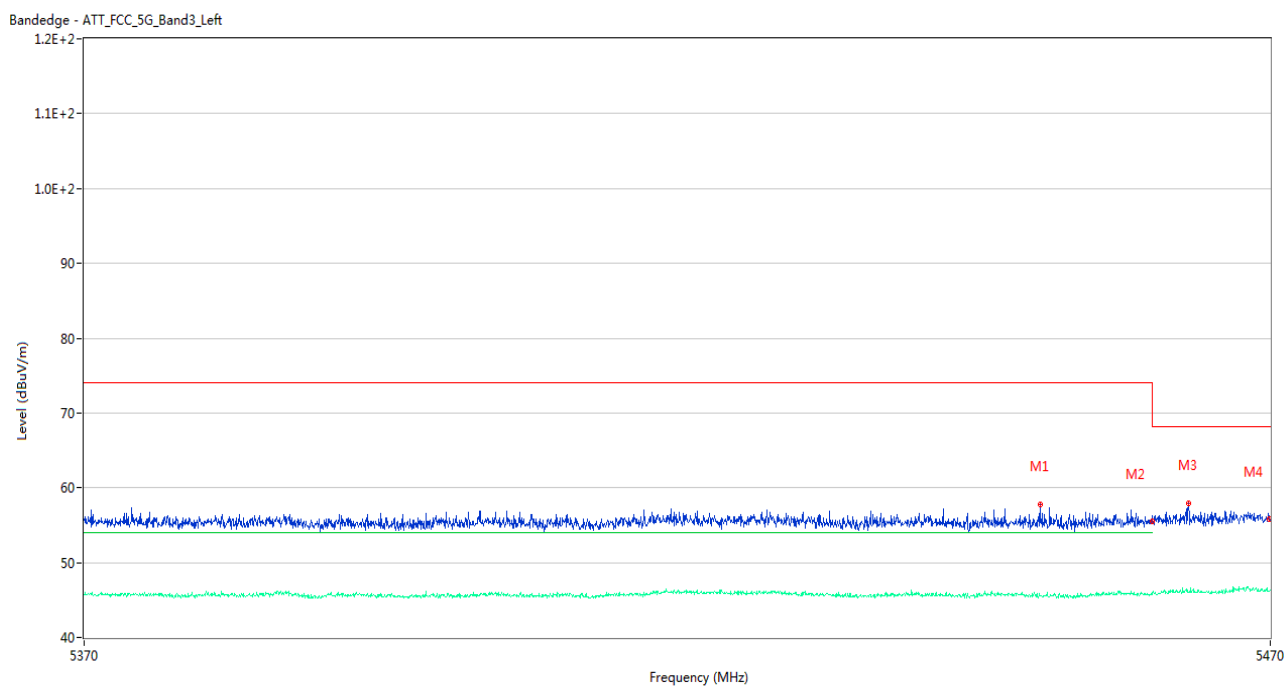
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5430.350	57.40	2.29	74.0	16.60	Peak	57.00	150	Horizontal	Pass
1**	5430.350	45.84	2.29	54.0	8.16	AV	57.00	150	Horizontal	Pass
2	5460.000	54.97	2.50	74.0	19.03	Peak	302.00	150	Horizontal	Pass
2**	5460.000	45.80	2.50	54.0	8.20	AV	302.00	150	Horizontal	Pass
3	5464.100	57.39	2.77	68.2	10.81	Peak	170.00	200	Horizontal	Pass
3**	5464.100	45.96	2.77	--	--	AV	170.00	200	Horizontal	N/A
4	5469.950	55.49	2.87	68.2	12.71	Peak	275.00	200	Horizontal	Pass
4**	5469.950	46.22	2.87	--	--	AV	275.00	200	Horizontal	N/A

U-NII-2C 11n40 High Channel



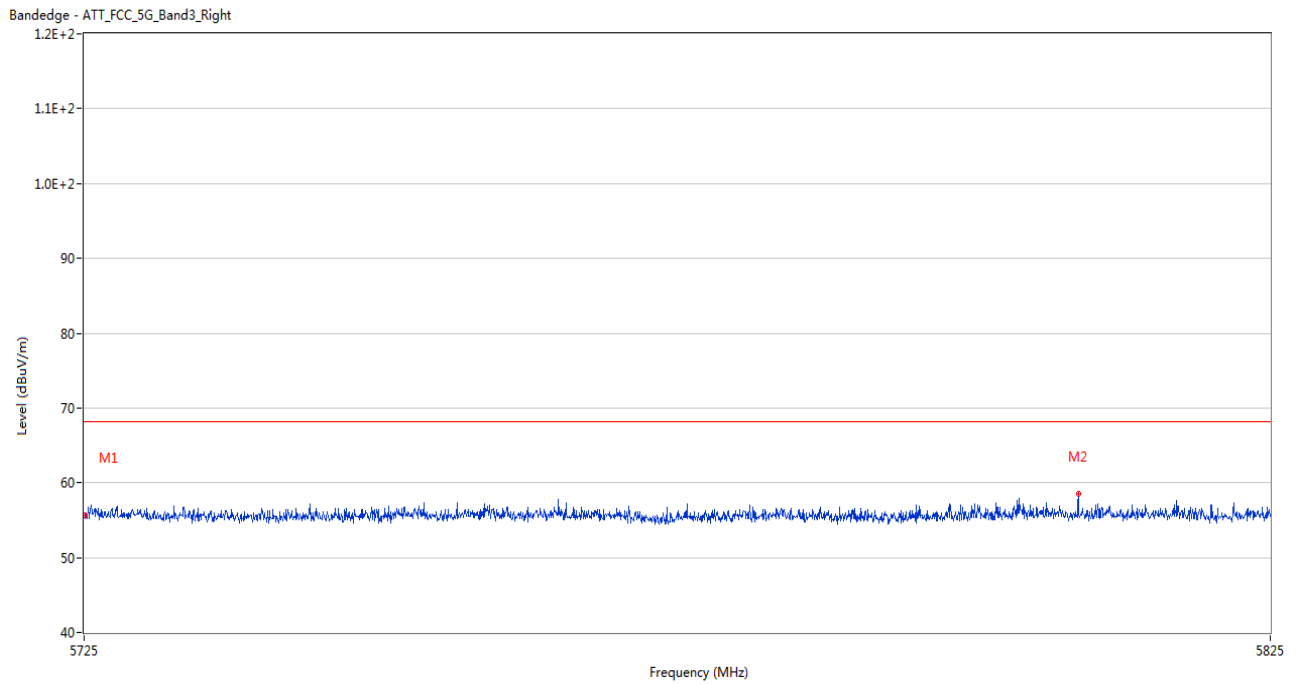
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.49	2.55	68.2	11.71	Peak	22.00	200	Horizontal	Pass
2	5785.900	57.51	2.34	68.2	10.69	Peak	336.00	100	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



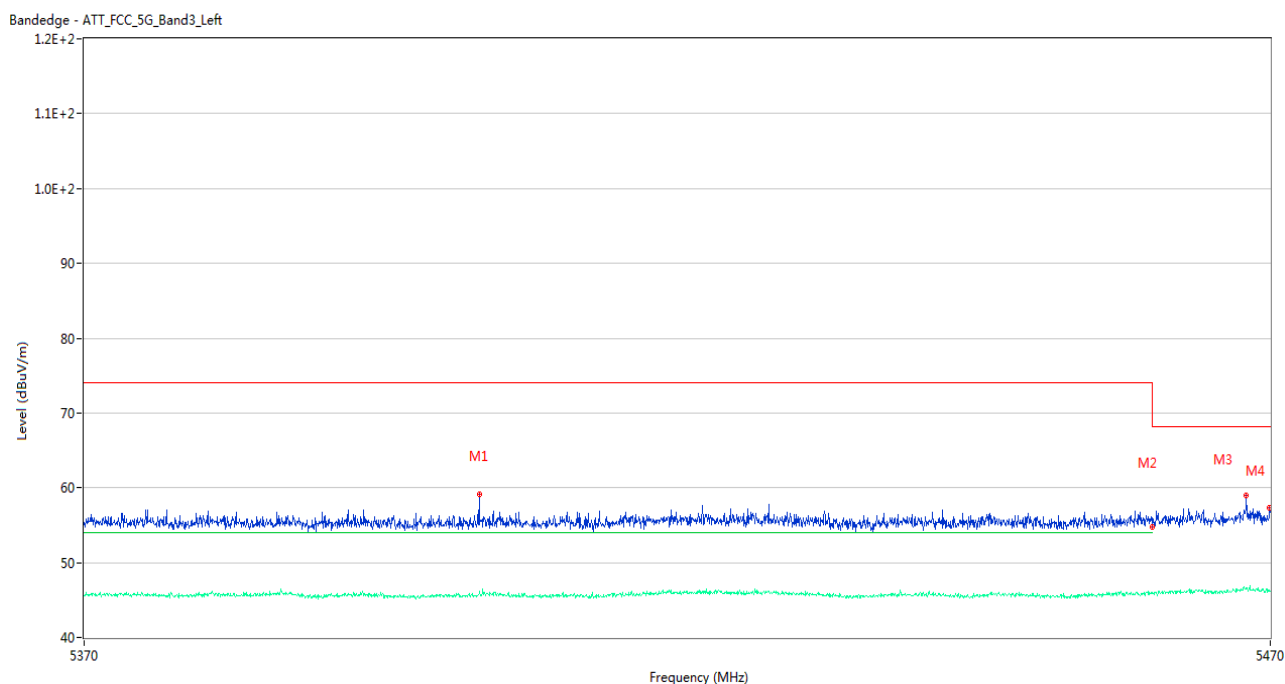
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5450.450	57.83	2.21	74.0	16.17	Peak	308.00	150	Horizontal	Pass
1**	5450.450	45.54	2.21	54.0	8.46	AV	308.00	150	Horizontal	Pass
2	5460.000	55.50	2.50	74.0	18.50	Peak	0.00	200	Horizontal	Pass
2**	5460.000	45.86	2.50	54.0	8.14	AV	0.00	200	Horizontal	Pass
3	5463.050	57.98	2.79	68.2	10.22	Peak	272.00	150	Horizontal	Pass
3**	5463.050	46.09	2.79	--	--	AV	272.00	150	Horizontal	N/A
4	5469.950	55.79	2.87	68.2	12.41	Peak	106.00	200	Horizontal	Pass
4**	5469.950	46.22	2.87	--	--	AV	106.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel



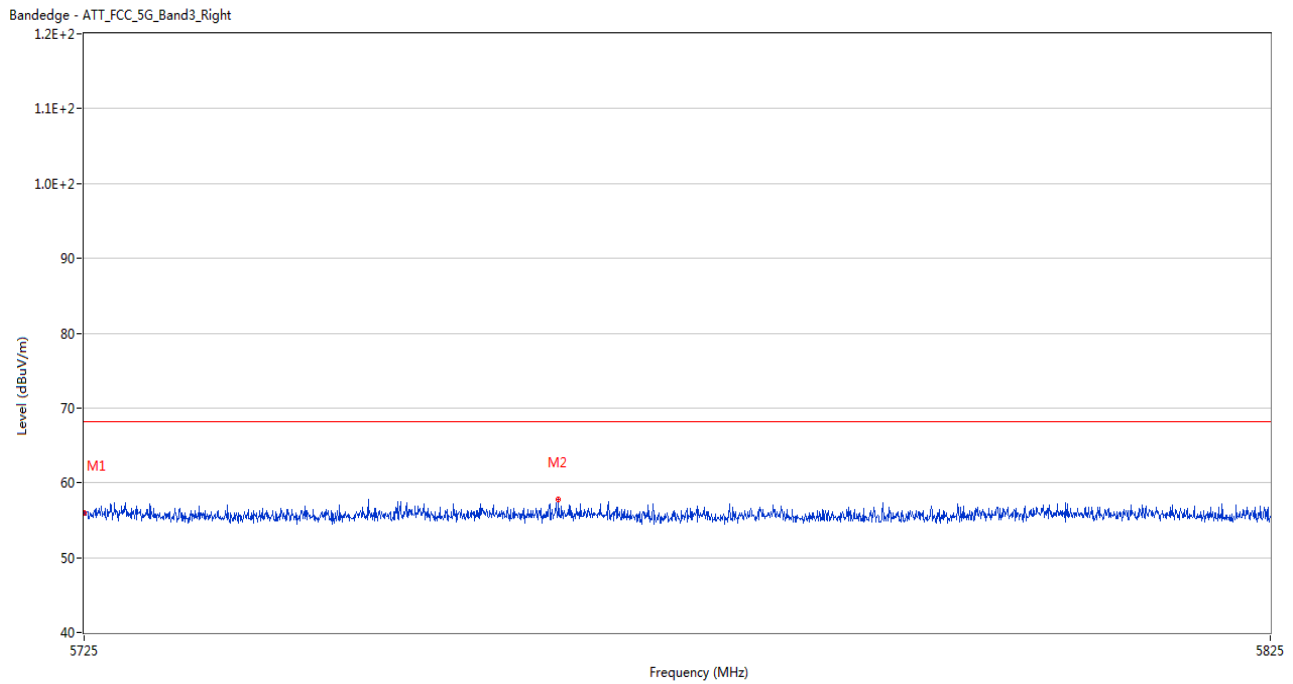
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	55.70	2.55	68.2	12.50	Peak	235.00	150	Horizontal	Pass
2	5808.700	58.49	2.63	68.2	9.71	Peak	237.00	100	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



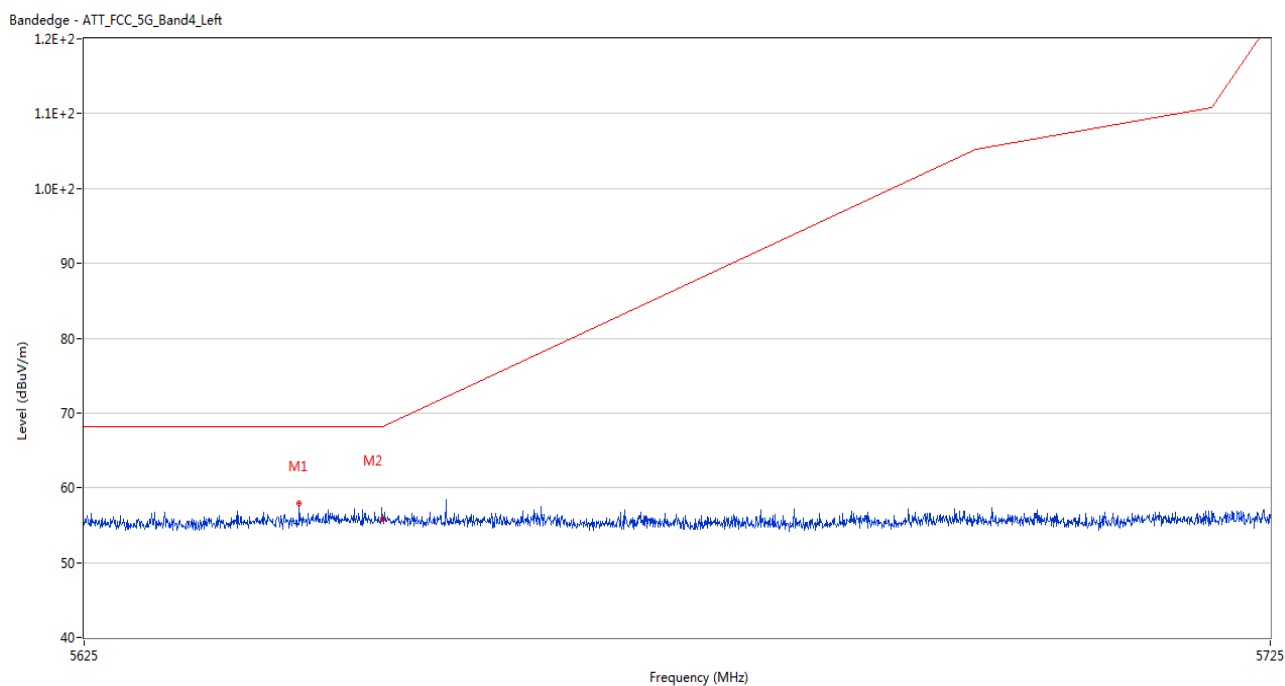
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5403.100	59.20	2.08	74.0	14.80	Peak	90.00	150	Horizontal	Pass
1**	5403.100	45.93	2.08	54.0	8.07	AV	90.00	150	Horizontal	Pass
2	5460.000	54.82	2.50	74.0	19.18	Peak	104.00	200	Horizontal	Pass
2**	5460.000	45.98	2.50	54.0	8.02	AV	104.00	200	Horizontal	Pass
3	5467.950	59.04	3.13	68.2	9.16	Peak	145.00	150	Horizontal	Pass
3**	5467.950	46.53	3.13	--	--	AV	145.00	150	Horizontal	N/A
4	5469.950	57.36	2.87	68.2	10.84	Peak	82.00	150	Horizontal	Pass
4**	5469.950	46.22	2.87	--	--	AV	82.00	150	Horizontal	N/A

U-NII-2C 11ac40 High Channel



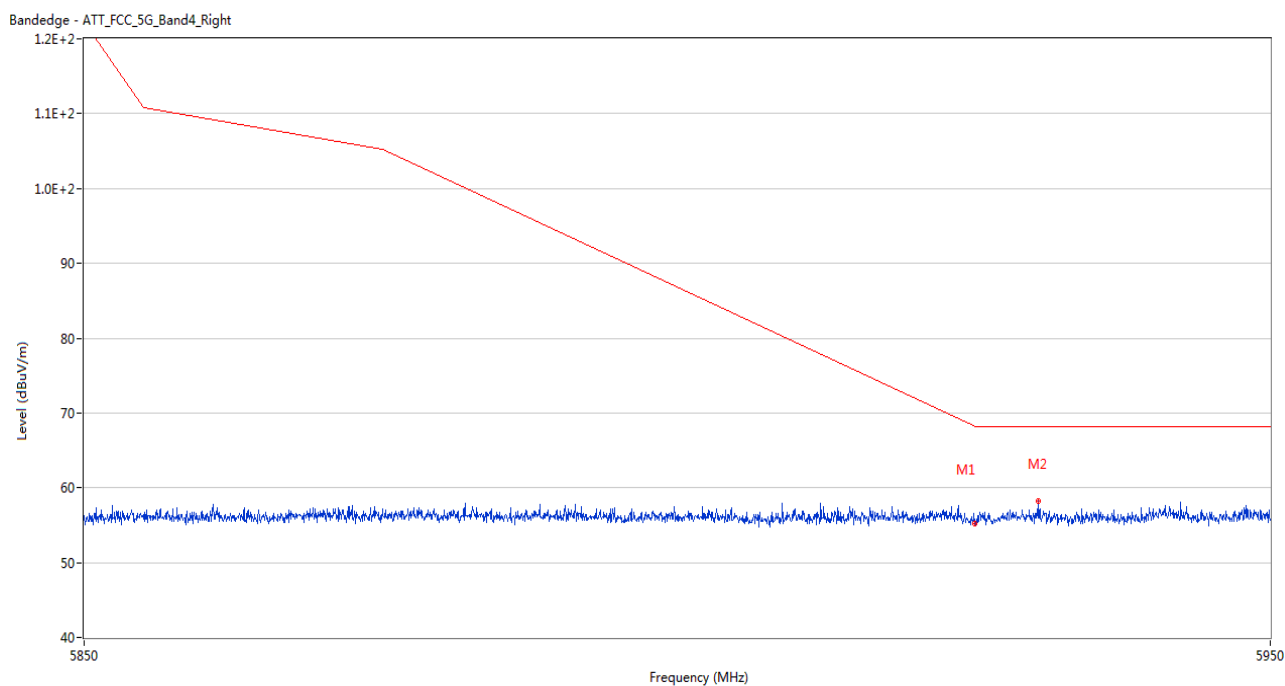
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.00	2.55	68.2	12.20	Peak	161.00	150	Horizontal	Pass
2	5764.800	57.74	2.69	68.2	10.46	Peak	22.00	100	Horizontal	Pass

U-NII-3 11a Low Channel



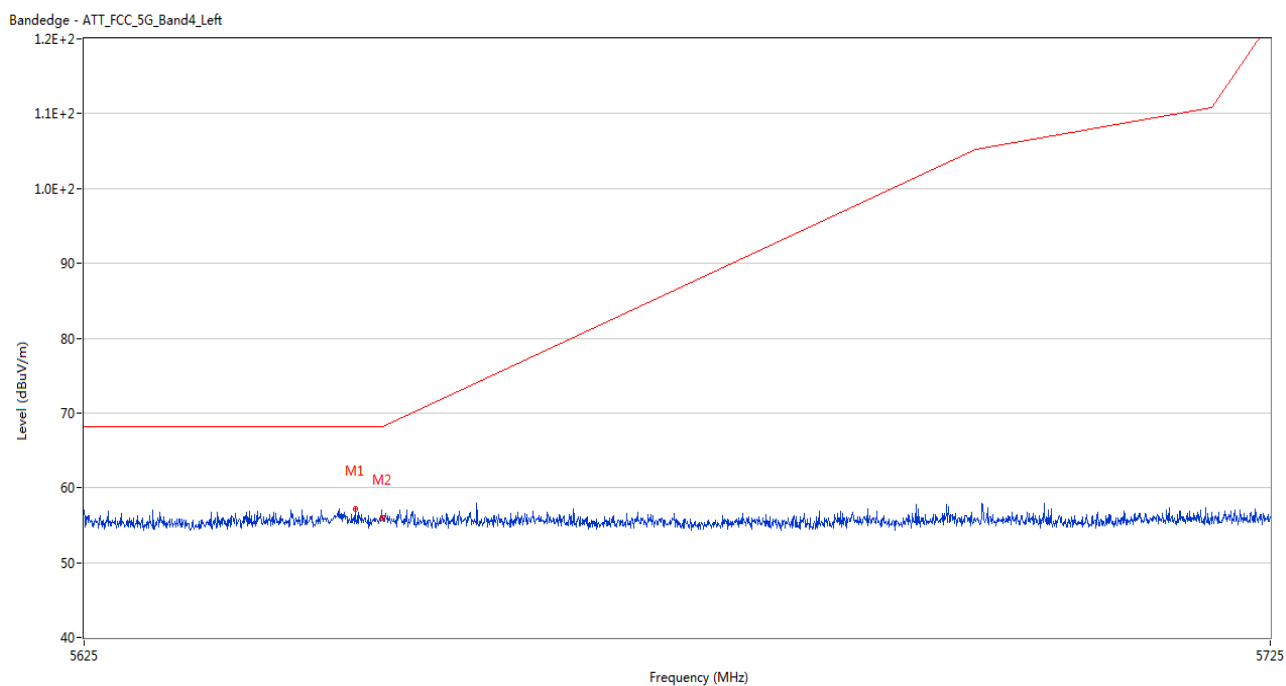
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.000	57.85	2.34	68.2	10.35	Peak	171.00	150	Horizontal	Pass
2	5650.000	55.81	2.54	68.2	12.39	Peak	353.00	100	Horizontal	Pass

U-NII-3 11a High Channel



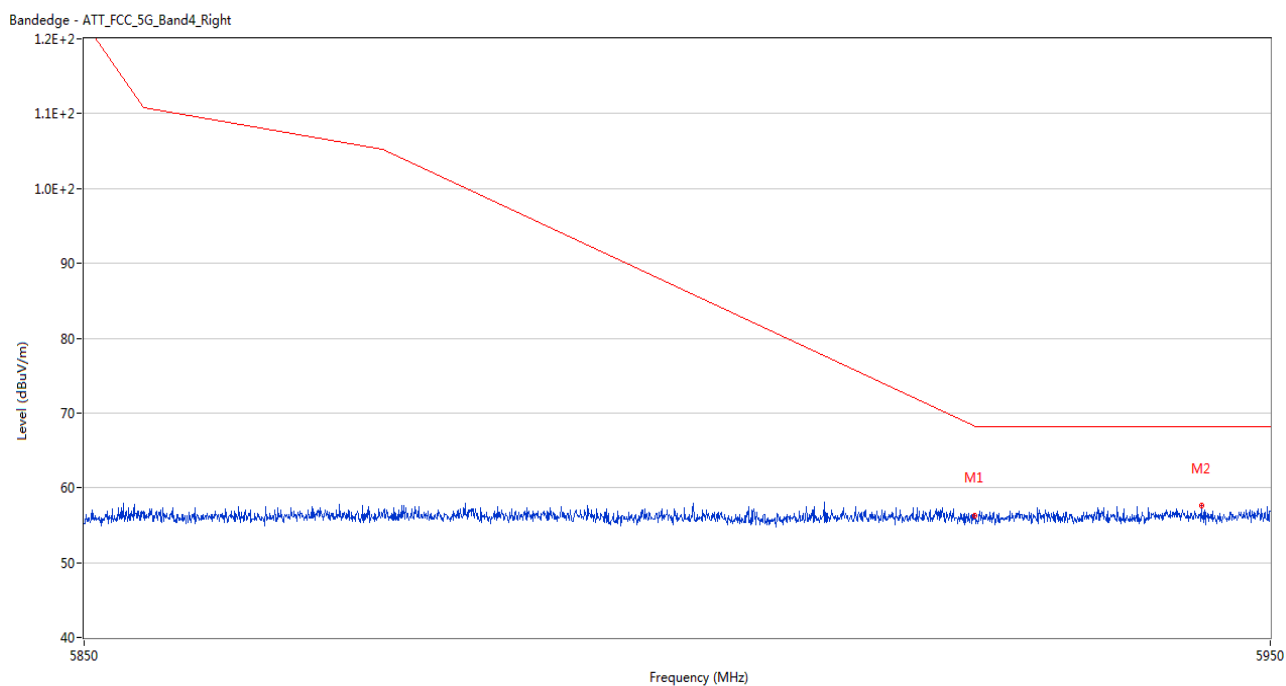
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.20	2.32	68.2	13.00	Peak	222.00	100	Horizontal	Pass
2	5930.350	58.18	2.58	68.2	10.02	Peak	130.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel



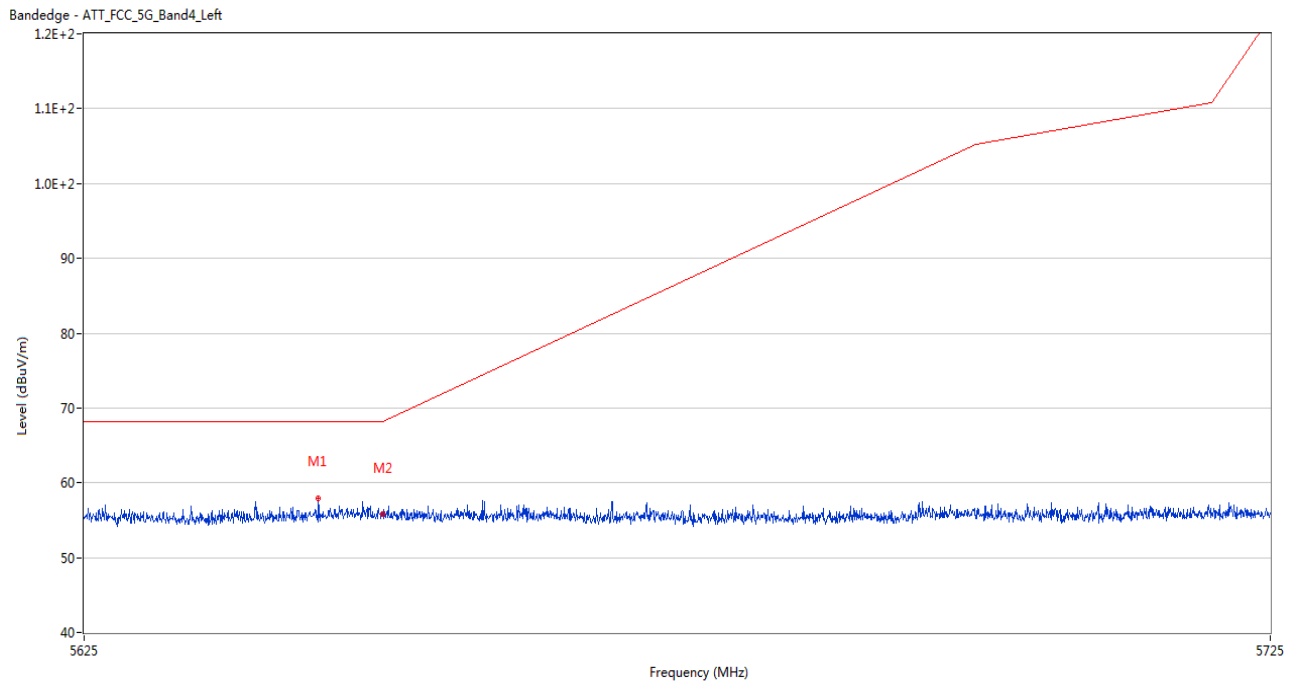
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.700	57.23	2.58	68.2	10.97	Peak	30.00	100	Horizontal	Pass
2	5650.000	56.03	2.54	68.2	12.17	Peak	348.00	150	Horizontal	Pass

U-NII-3 11n20 High Channel



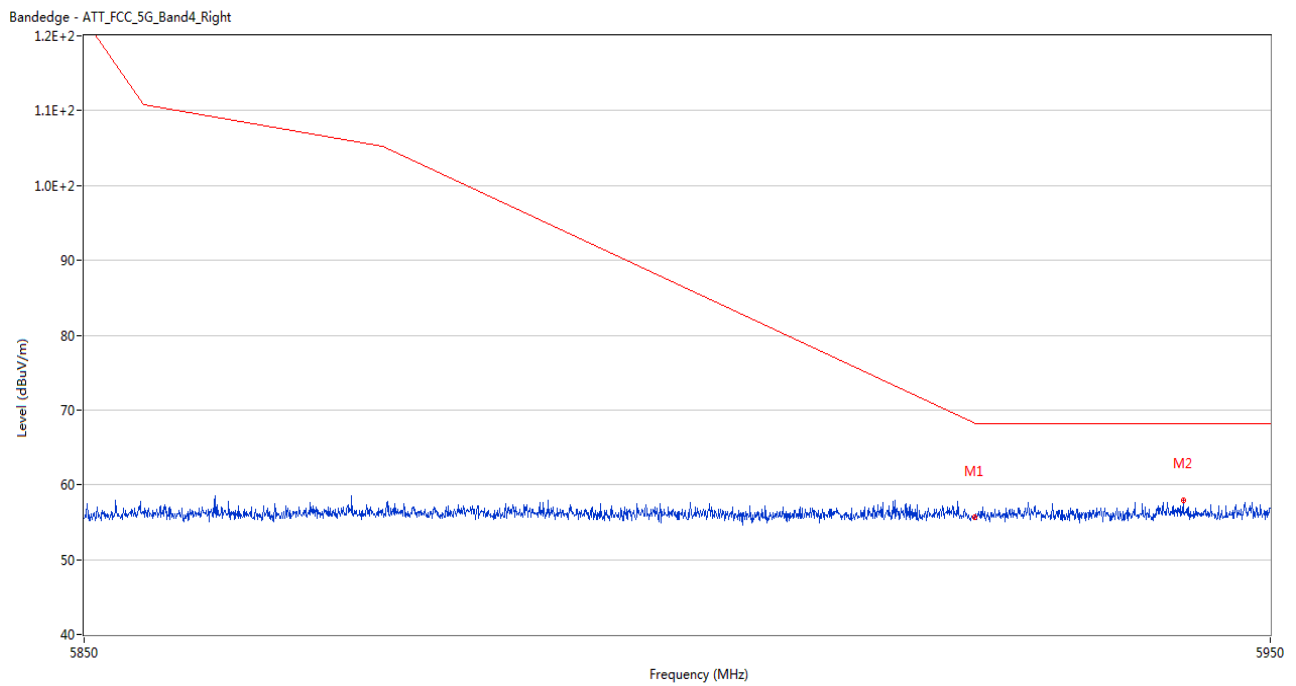
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.33	2.32	68.2	11.87	Peak	7.00	100	Horizontal	Pass
2	5944.150	57.58	2.42	68.2	10.62	Peak	360.00	100	Horizontal	Pass

U-NII-3 11n40 Low Channel



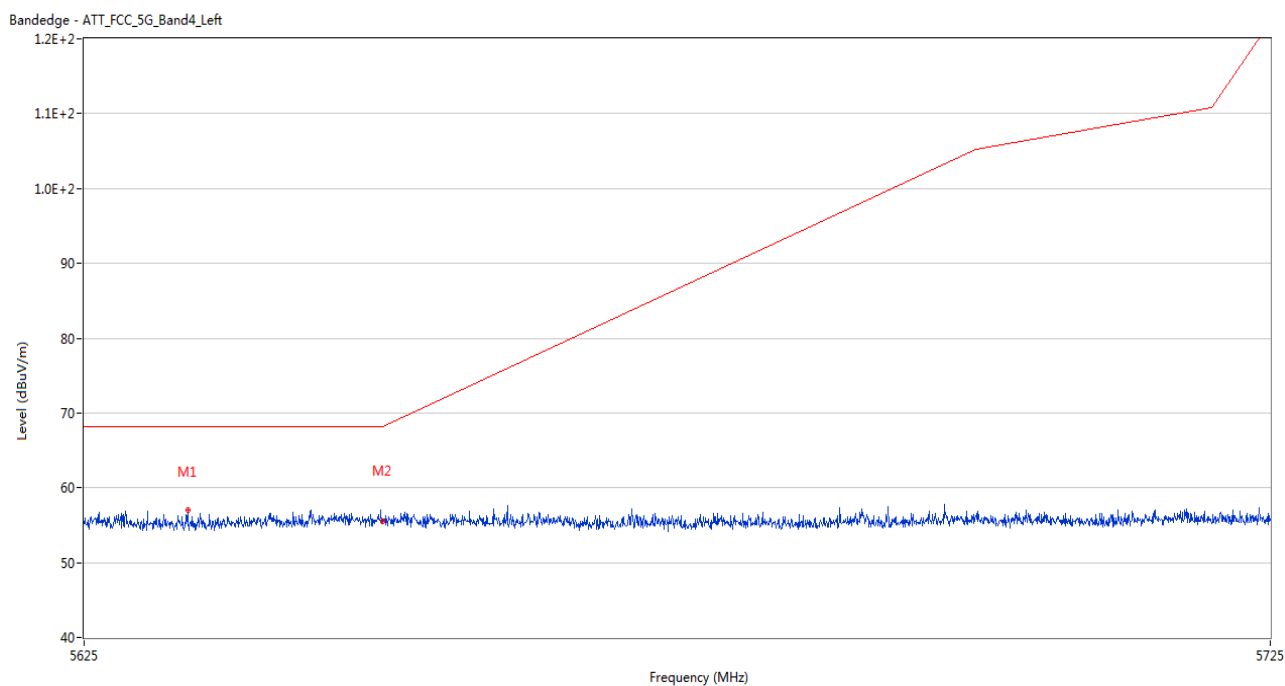
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.600	57.93	2.46	68.2	10.27	Peak	231.00	100	Horizontal	Pass
2	5650.000	55.84	2.54	68.2	12.36	Peak	340.00	150	Horizontal	Pass

U-NII-3 11n40 High Channel



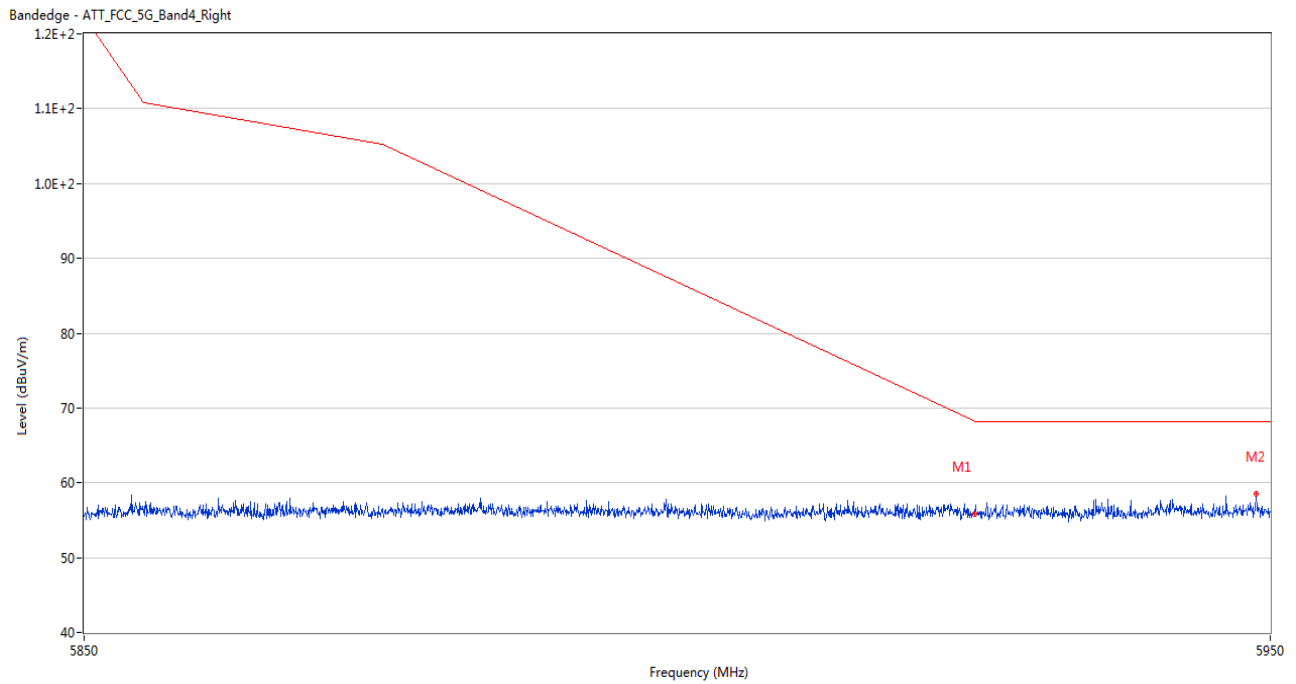
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.67	2.32	68.2	12.53	Peak	244.00	100	Horizontal	Pass
2	5942.600	57.90	2.69	68.2	10.30	Peak	192.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel



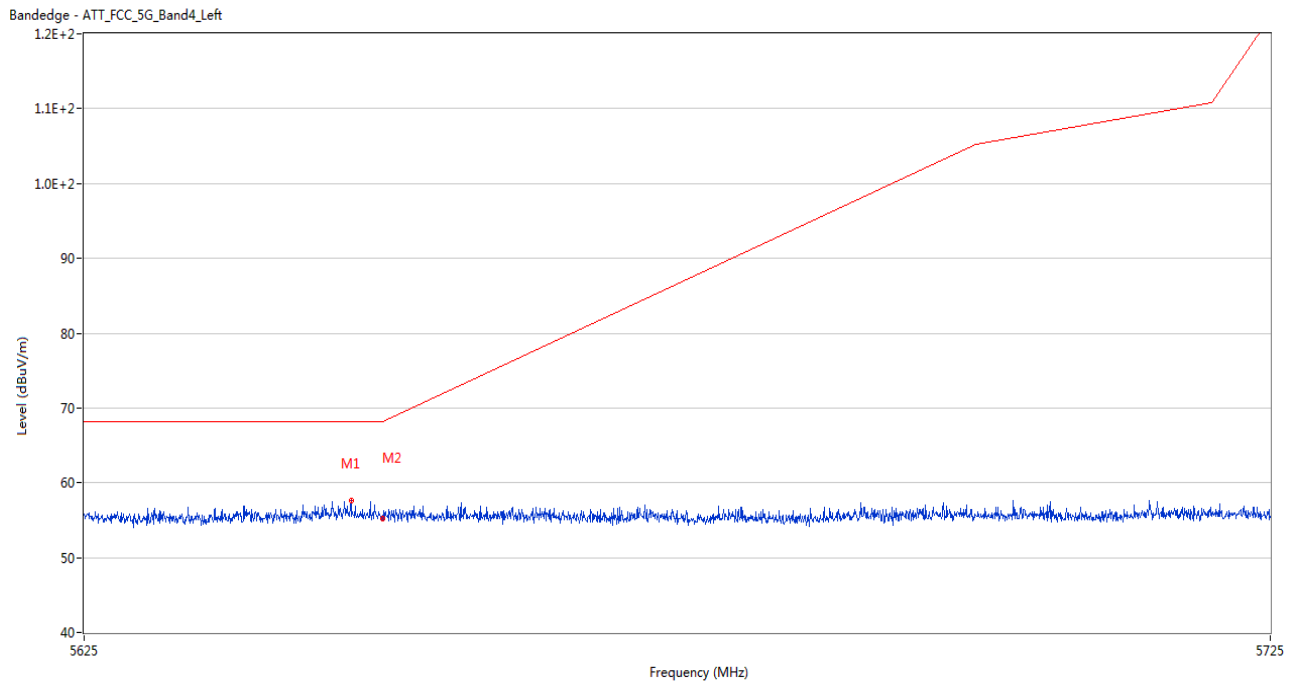
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5633.650	57.07	2.01	68.2	11.13	Peak	199.00	200	Horizontal	Pass
2	5650.000	55.49	2.54	68.2	12.71	Peak	213.00	150	Horizontal	Pass

U-NII-3 11ac20 High Channel



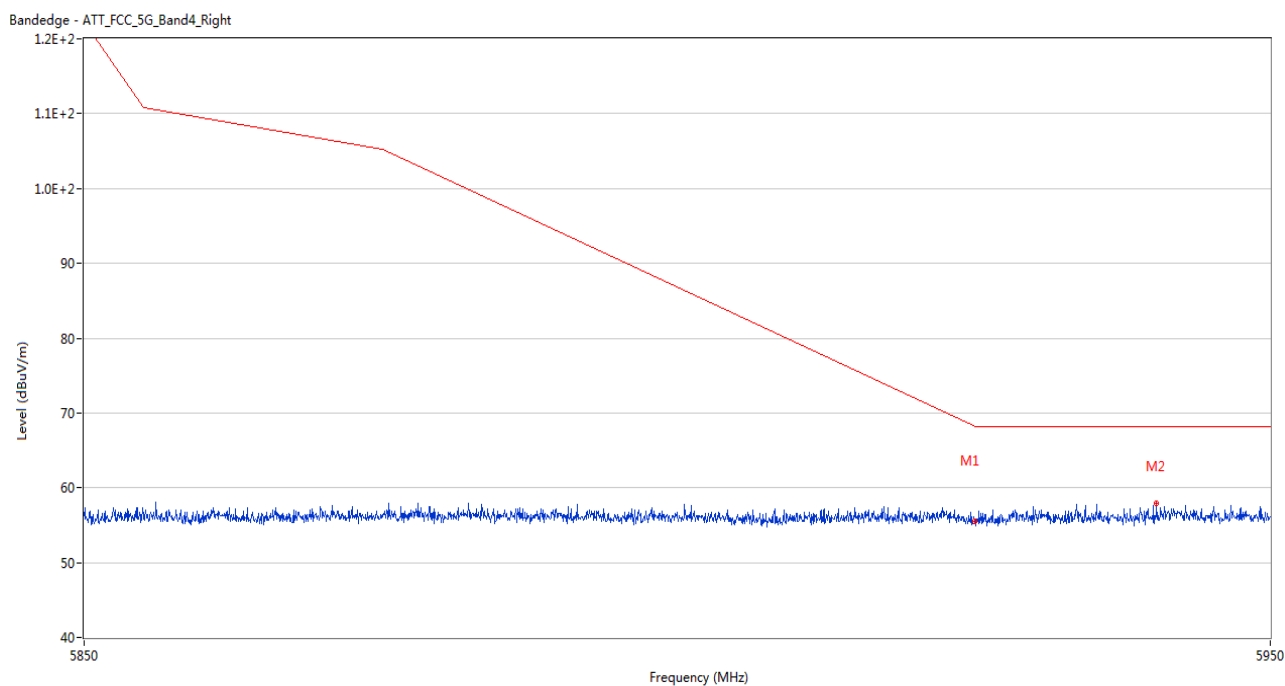
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.81	2.32	68.2	12.39	Peak	289.00	100	Horizontal	Pass
2	5948.800	58.52	2.63	68.2	9.68	Peak	25.00	200	Horizontal	Pass

U-NII-3 11ac40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.350	57.63	2.61	68.2	10.57	Peak	23.00	150	Horizontal	Pass
2	5650.000	55.21	2.54	68.2	12.99	Peak	64.00	200	Horizontal	Pass

U-NII-3 11ac40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.55	2.32	68.2	12.65	Peak	221.00	200	Horizontal	Pass
2	5940.350	57.97	2.57	68.2	10.23	Peak	198.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2431133-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2431133-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2431133-AI.PDF”.

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