

TEST REPORT

Applicant: Shenzhen SEI Robotics Co., Ltd.
Address: 4th Floor, Productivity Building D, #5 Hi-Tech Middle
2nd Road, Shenzhen Hi-Tech Industrial Park,
Nanshan District, Shenzhen, Guangdong, China
Equipment Type: AP Router
Model Name: EVO6022AP PLM (refer to section 2.3)
Brand Name: N/A
FCC ID: 2AOVU-SR315EB
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: May 09, 2024
Test Date: May 10, 2024 - May 30, 2024
Date of Issue: Jun. 05, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Si Xiao

Si Xiao

Checked by: Ye Hongji

Ye Hongji

Approved by: Liao Jianming
(Technical Director)

Liao Jianming

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 05, 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	Shenzhen SEI Robotics Co., Ltd.
Address	4th Floor, Productivity Building D, #5 Hi-Tech Middle 2nd Road, Shenzhen Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Shenzhen SEI Robotics Co., Ltd.
Address	4th Floor, Productivity Building D, #5 Hi-Tech Middle 2nd Road, Shenzhen Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	AP Router
Model Name Under Test	EVO6022AP PLM
Series Model Name	SR1616D2A, SR1616D2R, SR315EA, SR315EB, SR315EX(X: A~Z), SR1616D2X(X: A~Z)
Description of Model name differentiation	The circuit, PCB layout, electrical components and appearance of the above model are exactly the same as the basic model, except the model names are different due to different market and customer needs. (this information provided by the applicant)
Hardware Version	11500563_MX3000E
Software Version	4.4.0.0-SR1616D2A-PLUME_20240412_0.0.0.9
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160) and 802.11ax(HE20/40/80/160), U-NII-1/3
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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-3: 5725 MHz to 5850 MHz						
Product Type	☒ Mobile ☐ Portable ☐ Fix Location						
Modulation technology	OFDM, OFDMA						
Modulation Type	1024QAM, 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 802.11ax up to 1201 Mbps						
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz, 160MHz 802.11ax: 20 MHz, 40 MHz, 80 MHz, 160MHz						
Maximum Output Power	U-NII-1: 60.26 mW U-NII-3: 60.12 mW						
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac/ax						
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac/ax						
Antenna Type	<table border="1"> <tr> <td>SISO-Antenna 0</td> <td rowspan="3">PCB Antenna</td> </tr> <tr> <td>SISO-Antenna 1</td> </tr> <tr> <td>SISO-Antenna 2</td> </tr> </table>	SISO-Antenna 0	PCB Antenna	SISO-Antenna 1	SISO-Antenna 2		
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SISO-Antenna 2							
Antenna Gain	<table border="1"> <tr> <td>SISO-Antenna 0</td> <td>U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi</td> </tr> <tr> <td>SISO-Antenna 1</td> <td>U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi</td> </tr> <tr> <td>SISO-Antenna 2</td> <td>U-NII-1: 5150 MHz to 5250 MHz: 6.24 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.90 dBi</td> </tr> </table>	SISO-Antenna 0	U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi	SISO-Antenna 1	U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi	SISO-Antenna 2	U-NII-1: 5150 MHz to 5250 MHz: 6.24 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.90 dBi
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SISO-Antenna 1	U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi						
SISO-Antenna 2	U-NII-1: 5150 MHz to 5250 MHz: 6.24 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.90 dBi						
Total directional gain	For power spectral density(PSD) measurements Correlated: <u>MIMO-Antenna 0 + Antenna 1</u> U-NII-1: 5150 MHz to 5250 MHz: 9.00 dBi U-NII-3: 5725 MHz to 5850 MHz: 8.96 dBi <u>MIMO-Antenna 0 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 9.13 dBi						

		U-NII-3: 5725 MHz to 5850 MHz: 8.94 dBi <u>MIMO-Antenna 1 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 9.13 dBi U-NII-3: 5725 MHz to 5850 MHz: 8.94 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi Uncorrelated: <u>MIMO-Antenna 0 + Antenna 1</u> U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi <u>MIMO-Antenna 0 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 6.12 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.93 dBi <u>MIMO-Antenna 1 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 6.12 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.93 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT]$ dBi
	For power measurements	Correlated: <u>MIMO-Antenna 0 + Antenna 1</u> U-NII-1: 5150 MHz to 5250 MHz: 9.00 dBi U-NII-3: 5725 MHz to 5850 MHz: 8.96 dBi <u>MIMO-Antenna 0 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 9.13 dBi U-NII-3: 5725 MHz to 5850 MHz: 8.94 dBi <u>MIMO-Antenna 1 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 9.13 dBi U-NII-3: 5725 MHz to 5850 MHz: 8.94 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi Uncorrelated: <u>MIMO-Antenna 0 + Antenna 1</u> U-NII-1: 5150 MHz to 5250 MHz: 5.99 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.95 dBi <u>MIMO-Antenna 0 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 6.12 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.93 dBi <u>MIMO-Antenna 1 + Antenna 2</u> U-NII-1: 5150 MHz to 5250 MHz: 6.12 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.93 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT]$ dBi
About the Product		The equipment is AP Router, intended for used with information technology equipment.

Mode	Antenna			
	SISO-Antenna 0	SISO-Antenna 1	SISO-Antenna 2	MIMO
802.11a	√	√	√	√
802.11n20	√	√	√	√
802.11n40	√	√	√	√
802.11ac20	√	√	√	√
802.11ac40	√	√	√	√
802.11ac80	√	√	√	√
802.11ac160	√	√	√	√
802.11ax20	√	√	√	√
802.11ax40	√	√	√	√
802.11ax80	√	√	√	√
802.11ax160	√	√	√	√

Note: All the configurations were tested, but only the worst data was shown in this report.

802.11ax RU configuration table							
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484	RU_996
802.11ax20	√	--	--	--	--	--	--
802.11ax40	√	--	--	--	--	--	--
802.11ax80	√	--	--	--	--	--	--
802.11ax160	√	--	--	--	--	--	--

2.5 Channel List

20 MHz		40 MHz		80 MHz		160 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210	50	5250
40	5200	46	5230	155	5775		
44	5220	151	5755				
48	5240	159	5795				
149	5745						
153	5765						
157	5785						
161	5805						
165	5825						

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

For 802.11a/n(HT20)/ac(VHT20)/ax(HE20)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n(HT40)/ac(VHT40)/ax(HE40)

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

For 802.11ac(VHT80)/ax(HE80)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	155	Mid	5775

For 802.11ac(VHT160)/ax(HE160)

U-NII-1 (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
50	Mid	5250

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-3
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ac(160 MHz)	58.5		50	--
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
	11ax(160 MHz)	34		50	--
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ac(160 MHz)	58.5		50	--
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
	11ax(160 MHz)	34		50	--
6 dB bandwidth	11a	6	BPSK	--	165/157/149
	11n(20 MHz)	6.5		--	165/157/149
	11n(40 MHz)	13.5		--	159/151
	11ac(20 MHz)	6.5		--	165/157/149
	11ac(40 MHz)	13.5		--	159/151
	11ac(80 MHz)	29.3		--	155
	11ac(160 MHz)	58.5		--	--
	11ax(20 MHz)	4		--	165/157/149
	11ax(40 MHz)	8		--	159/151
	11ax(80 MHz)	17		--	155
	11ax(160 MHz)	34		--	--
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151

	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ac(160 MHz)	58.5		50	--
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
	11ax(160 MHz)	34		50	--
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ac(160 MHz)	58.5		50	--
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
	11ax(160 MHz)	34		50	--
Band Edge (Restricted- band)	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ac(160 MHz)	58.5		50	--
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
	11ax(160 MHz)	34		50	--

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	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	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	51% to 70%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.7°C to +25.1°C
	LT (Low Temperature)	-10°C
	HT (High Temperature)	+40°C
Working Voltage of the EUT	NV (Normal Voltage)	12.0V
	LV (Low Voltage)	11.4V
	HV (High Voltage)	12.6V

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
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	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

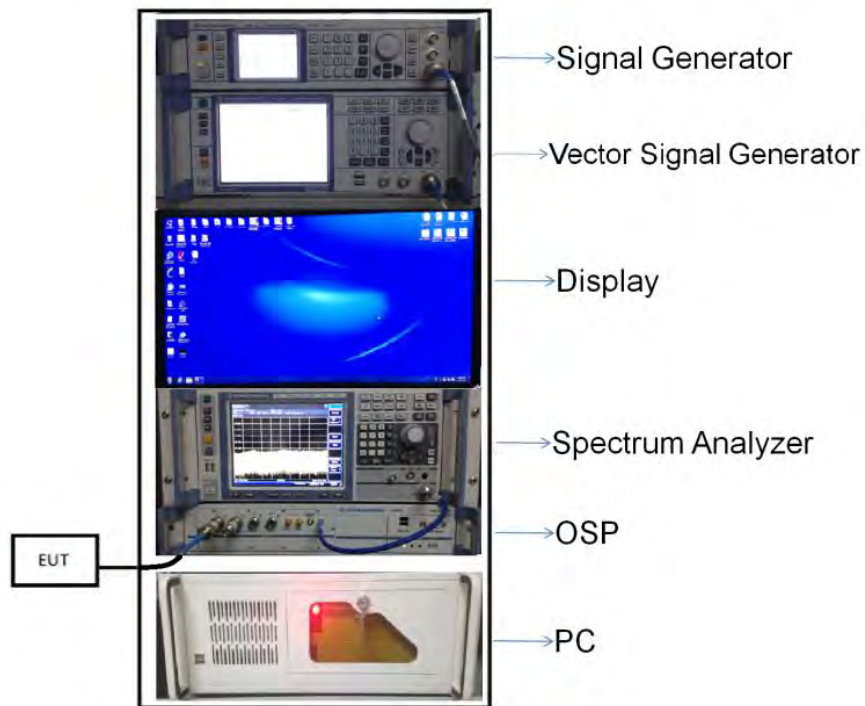
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

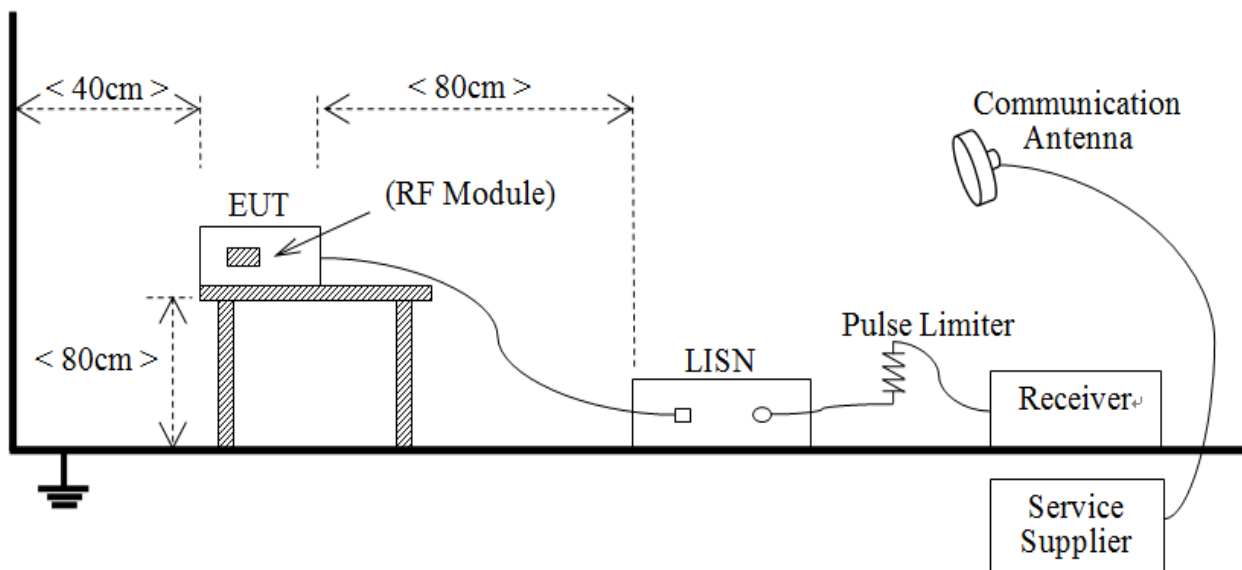
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



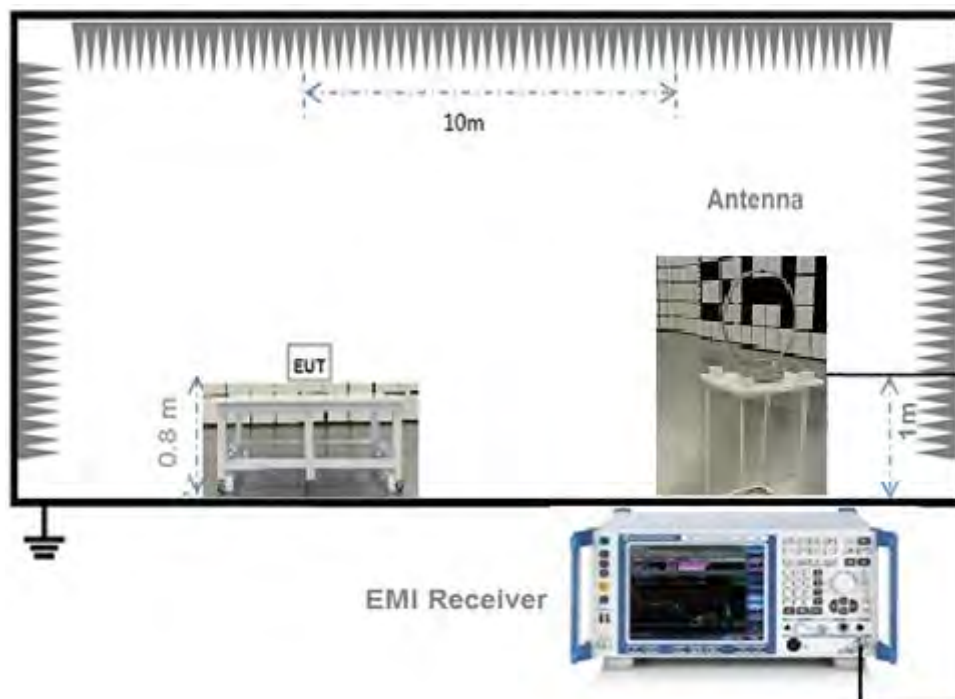
(Diagram 1)

4.5.2 For AC Power Supply Port Test



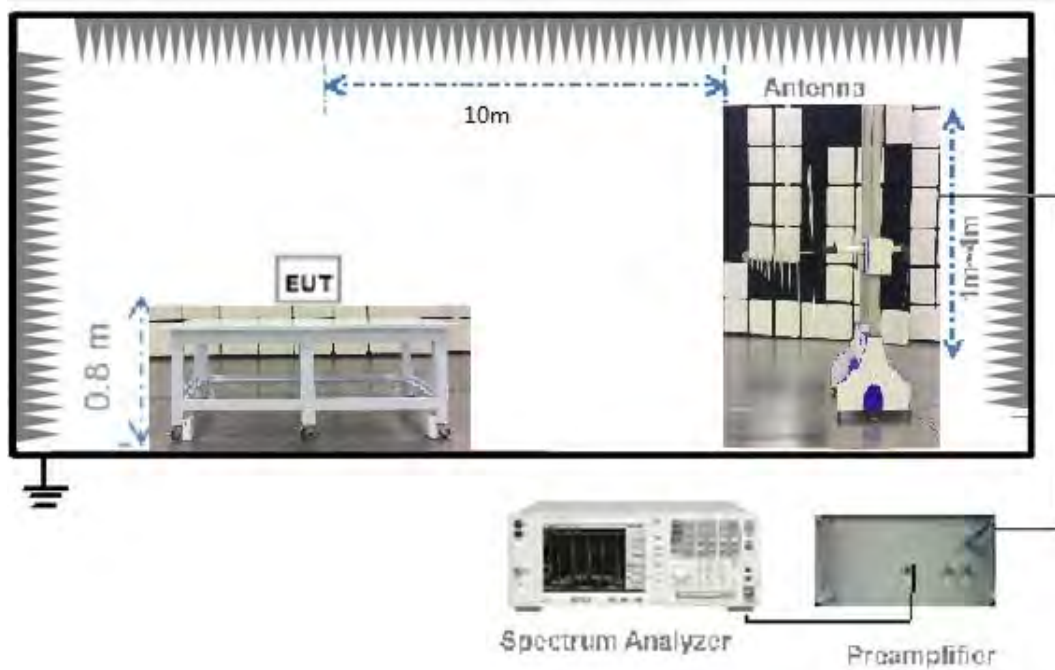
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



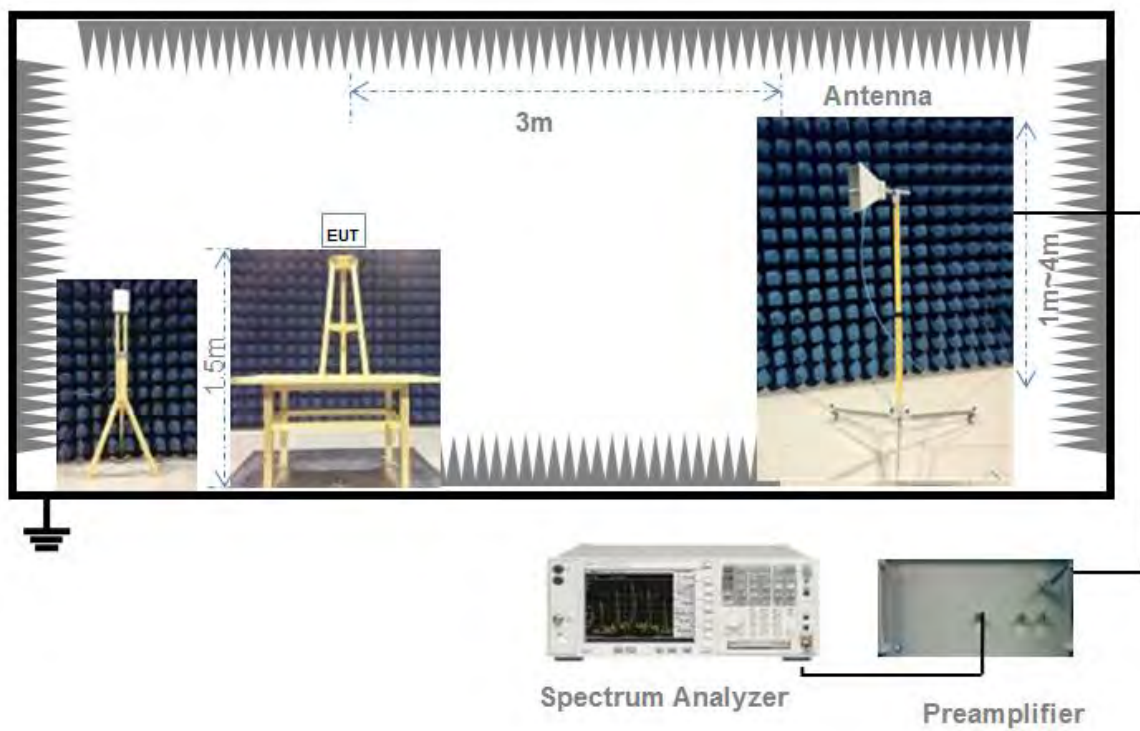
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

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

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

Measurements of duty cycle

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

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

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

Set VBW $\geq$ 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)

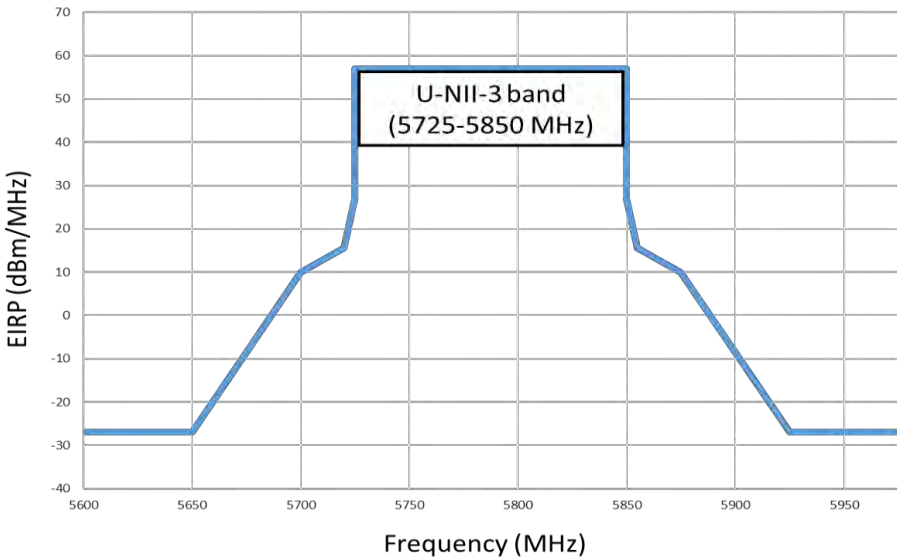
5.5.1 Limit

FCC §15.209 & 15.407(b)

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

Note¹: The Limit for radiated test was performed according to FCC Part 15C

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.40	1.46	95.68%	0.19
11ac (VHT20)	1.32	1.37	95.99%	0.18
11ac (VHT40)	0.65	0.72	90.84%	0.42
11ac (VHT80)	0.32	0.39	83.17%	0.80
11ac (VHT160)	0.18	0.25	73.91%	1.31
11ax(HE20) (SU)	1.03	1.08	94.83%	0.23
11ax(HE40) (SU)	0.55	0.61	89.19%	0.50
11ax(HE80) (SU)	0.30	0.36	81.78%	0.87
11ax(HE160) (SU)	0.30	0.36	81.75%	0.88

Test DataConducted PowerSISO-Antenna 0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.80	60.26	250	Pass
11a	CH44	17.63	57.94	250	Pass
11a	CH48	17.66	58.34	250	Pass
11n (HT20)	CH36	16.75	47.32	250	Pass
11n (HT20)	CH44	16.62	45.92	250	Pass
11n (HT20)	CH48	16.61	45.81	250	Pass
11n (HT40)	CH38	16.76	47.42	250	Pass
11n (HT40)	CH46	16.50	44.67	250	Pass
11ac (VHT20)	CH36	16.77	47.53	250	Pass
11ac (VHT20)	CH44	16.60	45.71	250	Pass
11ac (VHT20)	CH48	16.62	45.92	250	Pass
11ac (VHT40)	CH38	16.79	47.75	250	Pass
11ac (VHT40)	CH46	16.51	44.77	250	Pass
11ac (VHT80)	CH42	11.46	14.00	250	Pass
11ac (VHT160)	CH50	11.86	15.35	250	Pass
11ax (HE20) (SU)	CH36	16.84	48.31	250	Pass
11ax (HE20) (SU)	CH44	16.67	46.45	250	Pass
11ax (HE20) (SU)	CH48	16.82	48.08	250	Pass
11ax (HE40) (SU)	CH38	16.86	48.53	250	Pass
11ax (HE40) (SU)	CH46	16.57	45.39	250	Pass
11ax (HE80) (SU)	CH42	11.61	14.49	250	Pass
11ax (HE160) (SU)	CH50	11.88	15.42	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.50	56.23	1000	Pass
11a	CH157	17.76	59.70	1000	Pass
11a	CH165	17.79	60.12	1000	Pass
11n (HT20)	CH149	16.51	44.77	1000	Pass
11n (HT20)	CH157	16.68	46.56	1000	Pass
11n (HT20)	CH165	16.81	47.97	1000	Pass
11n (HT40)	CH151	16.62	45.92	1000	Pass
11n (HT40)	CH159	16.57	45.39	1000	Pass
11ac (VHT20)	CH149	16.50	44.67	1000	Pass
11ac (VHT20)	CH157	16.75	47.32	1000	Pass
11ac (VHT20)	CH165	16.80	47.86	1000	Pass
11ac (VHT40)	CH151	16.50	44.67	1000	Pass
11ac (VHT40)	CH159	16.64	46.13	1000	Pass
11ac (VHT80)	CH155	15.56	35.97	1000	Pass
11ax (HE20) (SU)	CH149	16.67	46.45	1000	Pass
11ax (HE20) (SU)	CH157	16.75	47.32	1000	Pass
11ax (HE20) (SU)	CH165	16.66	46.34	1000	Pass
11ax (HE40) (SU)	CH151	16.68	46.56	1000	Pass
11ax (HE40) (SU)	CH159	16.69	46.67	1000	Pass
11ax (HE80) (SU)	CH155	14.72	29.65	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.65	36.73	250	Pass
11a	CH44	15.72	37.33	250	Pass
11a	CH48	15.77	37.76	250	Pass
11n (HT20)	CH36	14.66	29.24	250	Pass
11n (HT20)	CH44	14.67	29.31	250	Pass
11n (HT20)	CH48	14.67	29.31	250	Pass
11n (HT40)	CH38	14.71	29.58	250	Pass
11n (HT40)	CH46	14.84	30.48	250	Pass
11ac (VHT20)	CH36	14.69	29.44	250	Pass
11ac (VHT20)	CH44	14.65	29.17	250	Pass
11ac (VHT20)	CH48	14.64	29.11	250	Pass
11ac (VHT40)	CH38	14.57	28.64	250	Pass
11ac (VHT40)	CH46	14.92	31.05	250	Pass
11ac (VHT80)	CH42	9.80	9.55	250	Pass
11ac (VHT160)	CH50	9.56	9.04	250	Pass
11ax (HE20) (SU)	CH36	14.67	29.31	250	Pass
11ax (HE20) (SU)	CH44	14.70	29.51	250	Pass
11ax (HE20) (SU)	CH48	14.73	29.72	250	Pass
11ax (HE40) (SU)	CH38	14.43	27.73	250	Pass
11ax (HE40) (SU)	CH46	14.77	29.99	250	Pass
11ax (HE80) (SU)	CH42	9.55	9.02	250	Pass
11ax (HE160) (SU)	CH50	9.77	9.48	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.45	35.08	1000	Pass
11a	CH157	15.65	36.73	1000	Pass
11a	CH165	15.57	36.06	1000	Pass
11n (HT20)	CH149	14.75	29.85	1000	Pass
11n (HT20)	CH157	14.52	28.31	1000	Pass
11n (HT20)	CH165	14.50	28.18	1000	Pass
11n (HT40)	CH151	14.44	27.80	1000	Pass
11n (HT40)	CH159	14.59	28.77	1000	Pass
11ac (VHT20)	CH149	14.89	30.83	1000	Pass
11ac (VHT20)	CH157	14.70	29.51	1000	Pass
11ac (VHT20)	CH165	14.57	28.64	1000	Pass
11ac (VHT40)	CH151	14.40	27.54	1000	Pass
11ac (VHT40)	CH159	14.55	28.51	1000	Pass
11ac (VHT80)	CH155	13.60	22.91	1000	Pass
11ax (HE20) (SU)	CH149	14.49	28.12	1000	Pass
11ax (HE20) (SU)	CH157	14.74	29.79	1000	Pass
11ax (HE20) (SU)	CH165	14.68	29.38	1000	Pass
11ax (HE40) (SU)	CH151	14.72	29.65	1000	Pass
11ax (HE40) (SU)	CH159	14.85	30.55	1000	Pass
11ax (HE80) (SU)	CH155	12.87	19.36	1000	Pass

SISO-Antenna 2

U-NII-1 (5150 - 5250 MHz)

Note 3: Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 6.24 dBi

Formulas: Directional gain = GANT + Array Gain, Array Gain = 0

Note 4: FCC Limit=24dBm(250mW)-(6.24-6)dbi=23.76dBm(237.68mW) .

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.71	37.24	237.68	Pass
11a	CH44	15.58	36.14	237.68	Pass
11a	CH48	15.55	35.89	237.68	Pass
11n (HT20)	CH36	14.76	29.92	237.68	Pass
11n (HT20)	CH44	14.63	29.04	237.68	Pass
11n (HT20)	CH48	14.60	28.84	237.68	Pass
11n (HT40)	CH38	14.63	29.04	237.68	Pass
11n (HT40)	CH46	14.77	29.99	237.68	Pass
11ac (VHT20)	CH36	14.77	29.99	237.68	Pass
11ac (VHT20)	CH44	14.55	28.51	237.68	Pass
11ac (VHT20)	CH48	14.53	28.38	237.68	Pass
11ac (VHT40)	CH38	14.85	30.55	237.68	Pass
11ac (VHT40)	CH46	14.59	28.77	237.68	Pass
11ac (VHT80)	CH42	9.58	9.08	237.68	Pass
11ac (VHT160)	CH50	9.66	9.25	237.68	Pass
11ax (HE20) (SU)	CH36	14.80	30.20	237.68	Pass
11ax (HE20) (SU)	CH44	14.69	29.44	237.68	Pass
11ax (HE20) (SU)	CH48	14.75	29.85	237.68	Pass
11ax (HE40) (SU)	CH38	14.65	29.17	237.68	Pass
11ax (HE40) (SU)	CH46	14.88	30.76	237.68	Pass
11ax (HE80) (SU)	CH42	9.87	9.71	237.68	Pass
11ax (HE160) (SU)	CH50	9.66	9.25	237.68	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.69	46.67	1000	Pass
11a	CH157	16.70	46.77	1000	Pass
11a	CH165	16.79	47.75	1000	Pass
11n (HT20)	CH149	14.68	29.38	1000	Pass
11n (HT20)	CH157	14.56	28.58	1000	Pass
11n (HT20)	CH165	14.75	29.85	1000	Pass
11n (HT40)	CH151	14.68	29.38	1000	Pass
11n (HT40)	CH159	14.69	29.44	1000	Pass
11ac (VHT20)	CH149	14.65	29.17	1000	Pass
11ac (VHT20)	CH157	14.69	29.44	1000	Pass
11ac (VHT20)	CH165	14.57	28.64	1000	Pass
11ac (VHT40)	CH151	14.67	29.31	1000	Pass
11ac (VHT40)	CH159	14.61	28.91	1000	Pass
11ac (VHT80)	CH155	13.59	22.86	1000	Pass
11ax (HE20) (SU)	CH149	14.70	29.51	1000	Pass
11ax (HE20) (SU)	CH157	14.86	30.62	1000	Pass
11ax (HE20) (SU)	CH165	14.80	30.20	1000	Pass
11ax (HE40) (SU)	CH151	14.55	28.51	1000	Pass
11ax (HE40) (SU)	CH159	14.48	28.05	1000	Pass
11ax (HE80) (SU)	CH155	12.83	19.19	1000	Pass

MIMO-Antenna 0 + Antenna 1

U-NII-1 (5150 - 5250 MHz)

Note 5: Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 9.0 dBi

Formulas: Directional gain = GANT + Array Gain, Array Gain = 0

Note 6: FCC Limit=24dBm(250mW)-(9-6)dbi=21dBm(125.89mW) .

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.52	35.66	125.89	Pass
11a	CH44	15.70	37.16	125.89	Pass
11a	CH48	15.58	36.11	125.89	Pass
11n (HT20)	CH36	14.72	29.63	250	Pass
11n (HT20)	CH44	14.67	29.31	250	Pass
11n (HT20)	CH48	14.71	29.55	250	Pass
11n (HT40)	CH38	14.76	29.93	250	Pass
11n (HT40)	CH46	14.48	28.03	250	Pass
11ac (VHT20)	CH36	14.77	29.97	250	Pass
11ac (VHT20)	CH44	14.61	28.91	250	Pass
11ac (VHT20)	CH48	14.67	29.31	250	Pass
11ac (VHT40)	CH38	14.71	29.57	250	Pass
11ac (VHT40)	CH46	14.54	28.46	250	Pass
11ac (VHT80)	CH42	9.66	9.24	250	Pass
11ac (VHT160)	CH50	9.61	9.14	250	Pass
11ax (HE20) (SU)	CH36	14.56	28.55	250	Pass
11ax (HE20) (SU)	CH44	14.73	29.69	250	Pass
11ax (HE20) (SU)	CH48	14.55	28.51	250	Pass
11ax (HE40) (SU)	CH38	14.48	28.06	250	Pass
11ax (HE40) (SU)	CH46	14.70	29.48	250	Pass
11ax (HE80) (SU)	CH42	9.61	9.13	250	Pass
11ax (HE160) (SU)	CH50	9.72	9.37	250	Pass

U-NII-3 (5725 - 5850 MHz)

Note 7: Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 8.96 dBi

Formulas: Directional gain = GANT + Array Gain, Array Gain = 0

Note 8: FCC Limit=24dBm(250mW)-(8.96-6)dbi=21.04dBm(127.06mW) .

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.50	35.49	127.06	Pass
11a	CH157	15.73	37.43	127.06	Pass
11a	CH165	15.45	35.09	127.06	Pass
11n (HT20)	CH149	14.66	29.21	1000	Pass
11n (HT20)	CH157	14.63	29.02	1000	Pass
11n (HT20)	CH165	14.69	29.41	1000	Pass
11n (HT40)	CH151	14.56	28.56	1000	Pass
11n (HT40)	CH159	14.61	28.88	1000	Pass
11ac (VHT20)	CH149	14.72	29.67	1000	Pass
11ac (VHT20)	CH157	14.75	29.86	1000	Pass
11ac (VHT20)	CH165	14.65	29.15	1000	Pass
11ac (VHT40)	CH151	14.48	28.03	1000	Pass
11ac (VHT40)	CH159	14.62	28.98	1000	Pass
11ac (VHT80)	CH155	13.61	22.94	1000	Pass
11ax (HE20) (SU)	CH149	14.61	28.89	1000	Pass
11ax (HE20) (SU)	CH157	14.77	30.00	1000	Pass
11ax (HE20) (SU)	CH165	14.70	29.48	1000	Pass
11ax (HE40) (SU)	CH151	14.69	29.41	1000	Pass
11ax (HE40) (SU)	CH159	14.83	30.38	1000	Pass
11ax (HE80) (SU)	CH155	12.75	18.82	1000	Pass

MIMO-Antenna 0 + Antenna 2

U-NII-1 (5150 - 5250 MHz)

Note 9:

Correlated:

Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 9.13 dBi

Uncorrelated:

Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 6.12 dBi

Formulas: Directional gain = GANT + Array Gain, Array Gain = 0

Note 10:

Correlated:

FCC Limit=24dBm(250mW)-(9.13-6)dbi=20.87dBm(122.18mW) .

Uncorrelated:

FCC Limit=24dBm(250mW)-(6.12-6)dbi=23.88dBm(244.34mW) .

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.39	34.56	122.18	Pass
11a	CH44	15.68	36.94	122.18	Pass
11a	CH48	15.65	36.73	122.18	Pass
11n (HT20)	CH36	14.59	28.76	244.34	Pass
11n (HT20)	CH44	14.70	29.48	244.34	Pass
11n (HT20)	CH48	14.68	29.34	244.34	Pass
11n (HT40)	CH38	14.77	29.96	244.34	Pass
11n (HT40)	CH46	14.71	29.56	244.34	Pass
11ac (VHT20)	CH36	14.85	30.55	244.34	Pass
11ac (VHT20)	CH44	14.65	29.14	244.34	Pass
11ac (VHT20)	CH48	14.66	29.25	244.34	Pass
11ac (VHT40)	CH38	14.66	29.21	244.34	Pass
11ac (VHT40)	CH46	14.65	29.18	244.34	Pass
11ac (VHT80)	CH42	9.59	9.10	244.34	Pass
11ac (VHT160)	CH50	9.60	9.12	244.34	Pass
11ax (HE20) (SU)	CH36	14.67	29.31	244.34	Pass
11ax (HE20) (SU)	CH44	14.75	29.86	244.34	Pass
11ax (HE20) (SU)	CH48	14.83	30.38	244.34	Pass
11ax (HE40) (SU)	CH38	14.62	28.98	244.34	Pass
11ax (HE40) (SU)	CH46	14.57	28.65	244.34	Pass
11ax (HE80) (SU)	CH42	9.61	9.13	244.34	Pass
11ax (HE160) (SU)	CH50	9.73	9.39	244.34	Pass

U-NII-3 (5725 - 5850 MHz)					
Note 11: Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 8.94 dBi Formulas: Directional gain = GANT + Array Gain, Array Gain = 0 Note 12: FCC Limit=24dBm(250mW)-(8.94-6)dbi=21.06dBm(127.64mW) .					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.20	41.73	127.64	Pass
11a	CH157	16.32	42.90	127.64	Pass
11a	CH165	16.17	41.39	127.64	Pass
11n (HT20)	CH149	14.67	29.28	1000	Pass
11n (HT20)	CH157	14.69	29.45	1000	Pass
11n (HT20)	CH165	14.85	30.55	1000	Pass
11n (HT40)	CH151	14.72	29.65	1000	Pass
11n (HT40)	CH159	14.70	29.52	1000	Pass
11ac (VHT20)	CH149	14.65	29.15	1000	Pass
11ac (VHT20)	CH157	14.76	29.93	1000	Pass
11ac (VHT20)	CH165	14.69	29.45	1000	Pass
11ac (VHT40)	CH151	14.66	29.21	1000	Pass
11ac (VHT40)	CH159	14.70	29.48	1000	Pass
11ac (VHT80)	CH155	13.65	23.15	1000	Pass
11ax (HE20) (SU)	CH149	14.76	29.89	1000	Pass
11ax (HE20) (SU)	CH157	14.65	29.17	1000	Pass
11ax (HE20) (SU)	CH165	14.80	30.20	1000	Pass
11ax (HE40) (SU)	CH151	14.65	29.14	1000	Pass
11ax (HE40) (SU)	CH159	14.69	29.43	1000	Pass
11ax (HE80) (SU)	CH155	12.78	18.97	1000	Pass

MIMO-Antenna 1 + Antenna 2

U-NII-1 (5150 - 5250 MHz)

Note 13:

Correlated:

Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 9.13 dBi

Uncorrelated:

Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 6.12 dBi

Formulas: Directional gain = GANT + Array Gain, Array Gain = 0

Note 14:

Correlated:

FCC Limit=24dBm(250mW)-(9.13-6)dbi=20.87dBm(122.18mW) .

Uncorrelated:

FCC Limit=24dBm(250mW)-(6.12-6)dbi=23.88dBm(244.34mW) .

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.49	35.38	122.18	Pass
11a	CH44	15.67	36.86	122.18	Pass
11a	CH48	15.54	35.78	122.18	Pass
11n (HT20)	CH36	14.47	27.97	244.34	Pass
11n (HT20)	CH44	14.67	29.28	244.34	Pass
11n (HT20)	CH48	14.69	29.45	244.34	Pass
11n (HT40)	CH38	14.69	29.41	244.34	Pass
11n (HT40)	CH46	14.61	28.88	244.34	Pass
11ac (VHT20)	CH36	14.75	29.83	244.34	Pass
11ac (VHT20)	CH44	14.58	28.68	244.34	Pass
11ac (VHT20)	CH48	14.60	28.84	244.34	Pass
11ac (VHT40)	CH38	14.49	28.09	244.34	Pass
11ac (VHT40)	CH46	14.54	28.46	244.34	Pass
11ac (VHT80)	CH42	9.71	9.34	244.34	Pass
11ac (VHT160)	CH50	9.55	9.02	244.34	Pass
11ax (HE20) (SU)	CH36	14.75	29.87	244.34	Pass
11ax (HE20) (SU)	CH44	14.73	29.69	244.34	Pass
11ax (HE20) (SU)	CH48	14.47	27.99	244.34	Pass
11ax (HE40) (SU)	CH38	14.57	28.66	244.34	Pass
11ax (HE40) (SU)	CH46	14.62	28.95	244.34	Pass
11ax (HE80) (SU)	CH42	9.52	8.95	244.34	Pass
11ax (HE160) (SU)	CH50	9.63	9.18	244.34	Pass

U-NII-3 (5725 - 5850 MHz)

Note 15: Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 8.94 dBi

Formulas: Directional gain = GANT + Array Gain, Array Gain = 0

Note 16: FCC Limit=24dBm(250mW)-(8.94-6)dbi=21.06dBm(127.64mW) .

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.14	41.08	127.64	Pass
11a	CH157	16.23	41.95	127.64	Pass
11a	CH165	16.24	42.12	127.64	Pass
11n (HT20)	CH149	14.73	29.72	1000	Pass
11n (HT20)	CH157	14.56	28.55	1000	Pass
11n (HT20)	CH165	14.64	29.13	1000	Pass
11n (HT40)	CH151	14.58	28.70	1000	Pass
11n (HT40)	CH159	14.66	29.22	1000	Pass
11ac (VHT20)	CH149	14.79	30.10	1000	Pass
11ac (VHT20)	CH157	14.68	29.38	1000	Pass
11ac (VHT20)	CH165	14.59	28.74	1000	Pass
11ac (VHT40)	CH151	14.55	28.54	1000	Pass
11ac (VHT40)	CH159	14.60	28.81	1000	Pass
11ac (VHT80)	CH155	13.61	22.96	1000	Pass
11ax (HE20) (SU)	CH149	14.61	28.93	1000	Pass
11ax (HE20) (SU)	CH157	14.59	28.75	1000	Pass
11ax (HE20) (SU)	CH165	14.76	29.90	1000	Pass
11ax (HE40) (SU)	CH151	14.65	29.18	1000	Pass
11ax (HE40) (SU)	CH159	14.68	29.39	1000	Pass
11ax (HE80) (SU)	CH155	12.73	18.73	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2450163-602 Data Part 1.pdf”.

Note 2: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-0 Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	30.43	16.85
11a	CH44	21.02	16.57
11a	CH48	20.31	16.70
11n (HT20)	CH36	31.64	17.97
11n (HT20)	CH44	22.13	17.73
11n (HT20)	CH48	20.60	17.76
11n (HT40)	CH38	55.59	36.38
11n (HT40)	CH46	40.82	36.13
11ac (VHT20)	CH36	31.17	18.00
11ac (VHT20)	CH44	22.19	17.73
11ac (VHT20)	CH48	20.67	17.74
11ac (VHT40)	CH38	52.44	36.37
11ac (VHT40)	CH46	40.85	36.15
11ac (VHT80)	CH42	109.50	75.90
11ac (VHT160)	CH50	170.20	154.25
11ax (HE20) (SU)	CH36	31.57	19.12
11ax (HE20) (SU)	CH44	22.25	18.99
11ax (HE20) (SU)	CH48	19.96	18.86
11ax (HE40) (SU)	CH38	51.46	37.71
11ax (HE40) (SU)	CH46	39.64	37.55
11ax (HE80) (SU)	CH42	100.90	77.28
11ax (HE160) (SU)	CH50	163.40	156.18

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	28.81	16.78
11a	CH157	22.18	16.60
11a	CH165	26.83	16.76
11n (HT20)	CH149	28.41	17.93
11n (HT20)	CH157	22.35	17.73
11n (HT20)	CH165	28.14	17.93
11n (HT40)	CH151	54.19	36.44
11n (HT40)	CH159	41.00	36.15
11ac (VHT20)	CH149	27.31	17.93
11ac (VHT20)	CH157	25.84	17.76
11ac (VHT20)	CH165	29.35	17.92
11ac (VHT40)	CH151	53.85	36.45
11ac (VHT40)	CH159	41.04	36.18
11ac (VHT80)	CH155	80.11	75.29
11ax (HE20) (SU)	CH149	29.57	19.13
11ax (HE20) (SU)	CH157	22.12	18.99
11ax (HE20) (SU)	CH165	28.93	19.10
11ax (HE40) (SU)	CH151	51.12	37.70
11ax (HE40) (SU)	CH159	39.71	37.55
11ax (HE80) (SU)	CH155	80.31	76.83

A.3 6 dB Bandwidth

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2450163-602 Data Part 2.pdf”.

Note 2: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-0 Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.40	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n (HT20)	CH149	17.40	500.00	Pass
11n (HT20)	CH157	17.30	500.00	Pass
11n (HT20)	CH165	17.50	500.00	Pass
11n (HT40)	CH151	35.30	500.00	Pass
11n (HT40)	CH159	35.30	500.00	Pass
11ac (VHT20)	CH149	17.30	500.00	Pass
11ac (VHT20)	CH157	17.40	500.00	Pass
11ac (VHT20)	CH165	17.20	500.00	Pass
11ac (VHT40)	CH151	35.30	500.00	Pass
11ac (VHT40)	CH159	35.30	500.00	Pass
11ac (VHT80)	CH155	75.30	500.00	Pass
11ax (HE20) (SU)	CH149	18.90	500.00	Pass
11ax (HE20) (SU)	CH157	19.00	500.00	Pass
11ax (HE20) (SU)	CH165	19.10	500.00	Pass
11ax (HE40) (SU)	CH151	37.30	500.00	Pass
11ax (HE40) (SU)	CH159	35.70	500.00	Pass
11ax (HE80) (SU)	CH155	76.20	500.00	Pass

A.4 Power Spectral Density

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2450163-602 Data Part 3.pdf”.

Note 2: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-0 Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	5.80	11.00	Pass
11a	CH44	5.80	11.00	Pass
11a	CH48	5.54	11.00	Pass
11n (HT20)	CH36	4.38	11.00	Pass
11n (HT20)	CH44	4.56	11.00	Pass
11n (HT20)	CH48	4.32	11.00	Pass
11n (HT40)	CH38	1.95	11.00	Pass
11n (HT40)	CH46	1.98	11.00	Pass
11ac (VHT20)	CH36	4.44	11.00	Pass
11ac (VHT20)	CH44	4.60	11.00	Pass
11ac (VHT20)	CH48	4.34	11.00	Pass
11ac (VHT40)	CH38	1.97	11.00	Pass
11ac (VHT40)	CH46	1.94	11.00	Pass
11ac (VHT80)	CH42	-5.58	11.00	Pass
11ac (VHT160)	CH50	-7.89	11.00	Pass
11ax (HE20) (SU)	CH36	4.23	11.00	Pass
11ax (HE20) (SU)	CH44	4.38	11.00	Pass
11ax (HE20) (SU)	CH48	4.25	11.00	Pass
11ax (HE40) (SU)	CH38	1.97	11.00	Pass
11ax (HE40) (SU)	CH46	2.06	11.00	Pass
11ax (HE80) (SU)	CH42	-5.32	11.00	Pass
11ax (HE160) (SU)	CH50	-8.09	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	3.30	30.00	Pass
11a	CH157	3.14	30.00	Pass
11a	CH165	2.90	30.00	Pass
11n (HT20)	CH149	1.94	30.00	Pass
11n (HT20)	CH157	1.77	30.00	Pass
11n (HT20)	CH165	1.77	30.00	Pass
11n (HT40)	CH151	-0.59	30.00	Pass
11n (HT40)	CH159	-0.80	30.00	Pass
11ac (VHT20)	CH149	2.08	30.00	Pass
11ac (VHT20)	CH157	2.83	30.00	Pass
11ac (VHT20)	CH165	1.68	30.00	Pass
11ac (VHT40)	CH151	-0.57	30.00	Pass
11ac (VHT40)	CH159	-0.87	30.00	Pass
11ac (VHT80)	CH155	-3.61	30.00	Pass
11ax (HE20) (SU)	CH149	1.75	30.00	Pass
11ax (HE20) (SU)	CH157	1.49	30.00	Pass
11ax (HE20) (SU)	CH165	1.37	30.00	Pass
11ax (HE40) (SU)	CH151	-0.42	30.00	Pass
11ax (HE40) (SU)	CH159	-0.61	30.00	Pass
11ax (HE80) (SU)	CH155	-5.47	30.00	Pass

A.5 Conducted Emissions

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

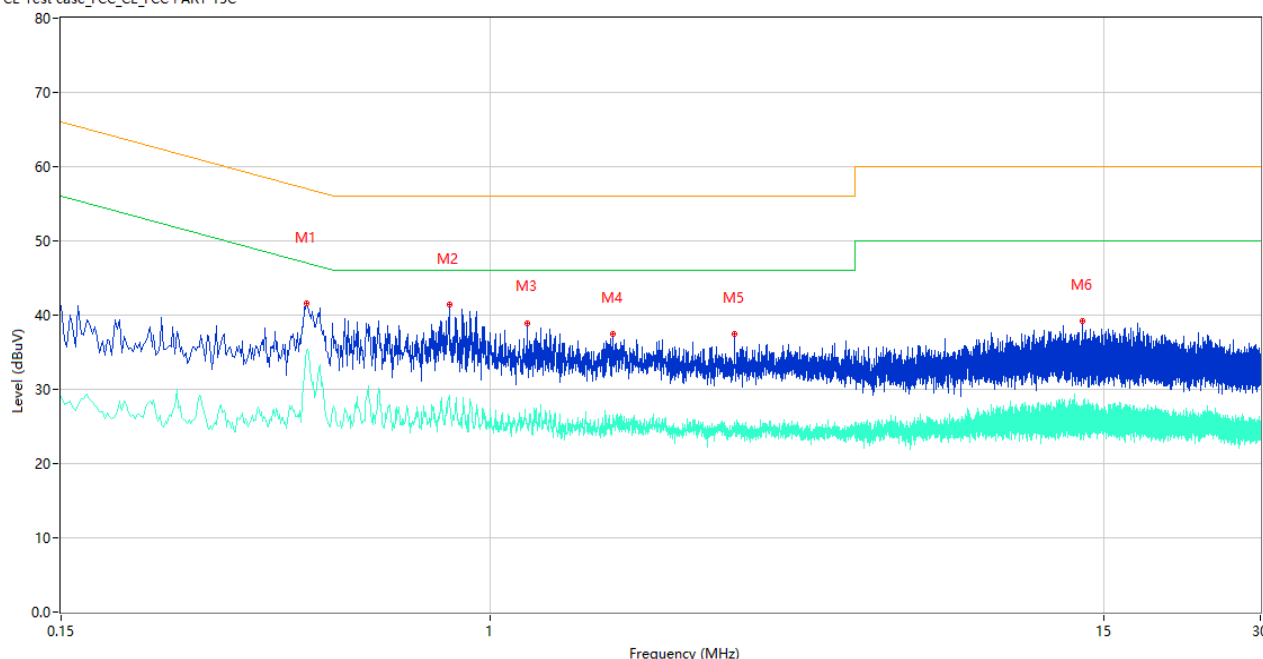
Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

Note 3: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

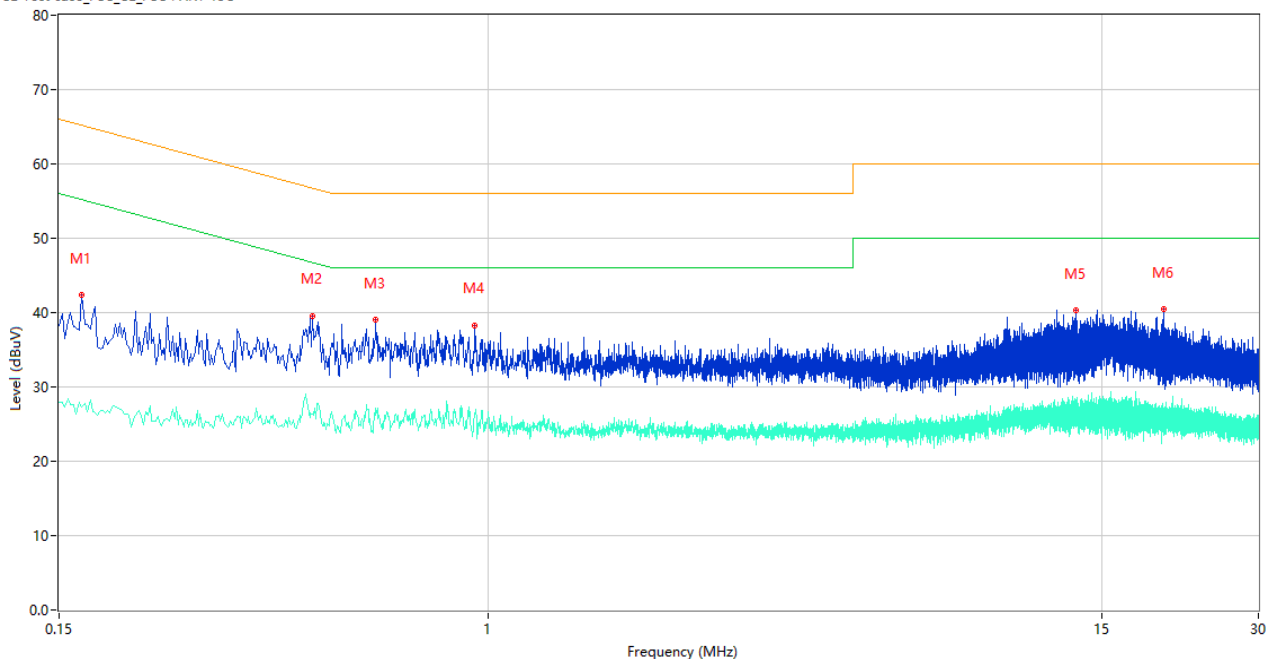
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.444	41.51	10.09	56.99	15.48	Peak	L	Pass
1**	0.444	35.05	10.09	46.99	11.94	AV	L	Pass
2	0.834	41.44	10.59	56.00	14.56	Peak	L	Pass
2**	0.834	29.21	10.59	46.00	16.79	AV	L	Pass
3	1.174	38.96	10.15	56.00	17.04	Peak	L	Pass
3**	1.174	24.87	10.15	46.00	21.13	AV	L	Pass
4	1.718	37.46	10.18	56.00	18.54	Peak	L	Pass
4**	1.718	26.48	10.18	46.00	19.52	AV	L	Pass
5	2.938	37.39	10.15	56.00	18.61	Peak	L	Pass
5**	2.938	24.42	10.15	46.00	21.58	AV	L	Pass
6	13.662	39.16	10.70	60.00	20.84	Peak	L	Pass
6**	13.662	27.20	10.70	50.00	22.80	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	0.166	42.32	9.78	65.16	22.84	Peak	N	Pass
1**	0.166	27.35	9.78	55.16	27.81	AV	N	Pass
2	0.460	39.58	10.02	56.69	17.11	Peak	N	Pass
2**	0.460	26.42	10.02	46.69	20.27	AV	N	Pass
3	0.608	39.04	10.17	56.00	16.96	Peak	N	Pass
3**	0.608	26.21	10.17	46.00	19.79	AV	N	Pass
4	0.942	38.31	10.08	56.00	17.69	Peak	N	Pass
4**	0.942	25.86	10.08	46.00	20.14	AV	N	Pass
5	13.370	40.32	10.68	60.00	19.68	Peak	N	Pass
5**	13.370	26.24	10.68	50.00	23.76	AV	N	Pass
6	19.746	40.44	10.83	60.00	19.56	Peak	N	Pass
6**	19.746	24.60	10.83	50.00	25.40	AV	N	Pass

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

Note 1: The symbol of "--" in the table which means not application.

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

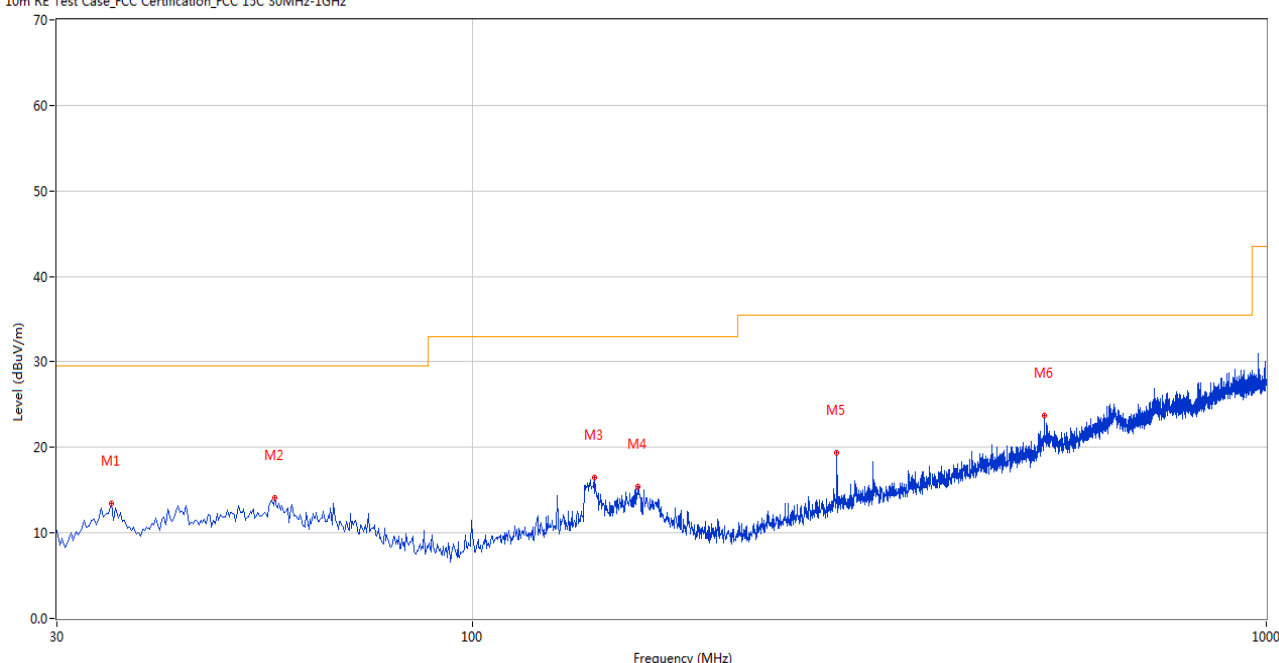
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

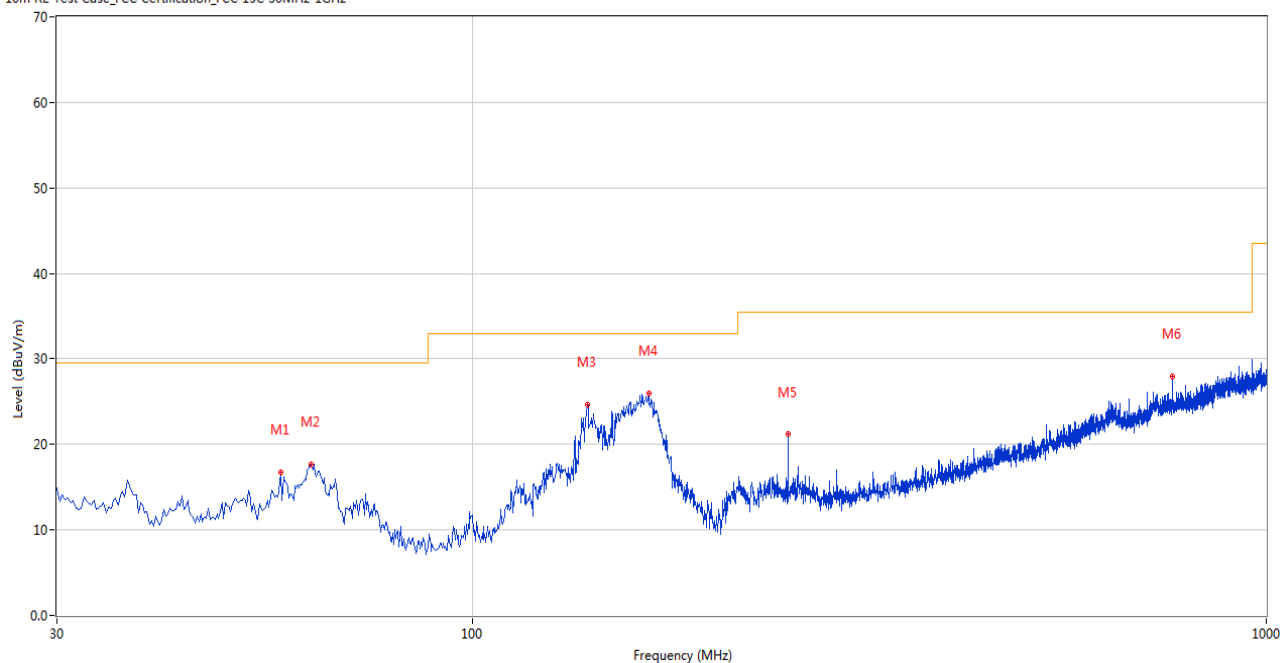
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.091	13.47	-26.71	29.5	16.03	Peak	0.00	200	Horizontal	Pass
2	56.426	14.11	-26.21	29.5	15.39	Peak	0.00	200	Horizontal	Pass
3	142.734	16.51	-26.11	33.0	16.49	Peak	360.00	200	Horizontal	Pass
4	161.887	15.44	-25.78	33.0	17.56	Peak	319.00	100	Horizontal	Pass
5	287.956	19.32	-25.01	35.5	16.18	Peak	224.00	200	Horizontal	Pass
6	525.304	23.70	-19.05	35.5	11.80	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	57.396	16.72	-26.27	29.5	12.78	Peak	72.00	100	Vertical	Pass
2	62.729	17.65	-27.02	29.5	11.85	Peak	177.00	200	Vertical	Pass
3	139.825	24.65	-26.16	33.0	8.35	Peak	81.00	100	Vertical	Pass
4	166.978	25.97	-25.94	33.0	7.03	Peak	0.00	200	Vertical	Pass
5	249.893	21.17	-26.98	35.5	14.33	Peak	0.00	200	Vertical	Pass
6	761.197	27.92	-13.35	35.5	7.58	Peak	143.00	200	Vertical	Pass

Note 1: The spurious above 18G is noise only, do not show on the report.

Note 2: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-0 Test Data

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	1536.000	39.05	-16.97	74.0	34.95	Peak	271.00	300	Horizontal	Pass
1**	1536.000	29.59	-16.97	54.0	24.41	AV	271.00	300	Horizontal	Pass
2	4382.000	50.06	-3.64	74.0	23.94	Peak	14.00	100	Horizontal	Pass
2**	4382.000	40.56	-3.64	54.0	13.44	AV	14.00	100	Horizontal	Pass
3	5178.800	111.93	-2.53	--	--	Peak	60.00	200	Horizontal	N/A
3**	5178.800	104.92	-2.53	--	--	AV	60.00	200	Horizontal	N/A
4	7392.150	49.46	-3.84	74.0	24.54	Peak	228.00	100	Horizontal	Pass
4**	7392.150	40.71	-3.84	54.0	13.29	AV	228.00	100	Horizontal	Pass
5	12316.738	53.59	1.41	74.0	20.41	Peak	121.00	200	Horizontal	Pass
5**	12316.738	44.10	1.41	54.0	9.90	AV	121.00	200	Horizontal	Pass
6	15782.138	55.67	1.65	74.0	18.33	Peak	137.00	400	Horizontal	Pass
6**	15782.138	46.74	1.65	54.0	7.26	AV	137.00	400	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	1533.700	39.05	-17.17	74.0	34.95	Peak	314.00	300	Vertical	Pass
1**	1533.700	29.74	-17.17	54.0	24.26	AV	314.00	300	Vertical	Pass
2	4377.200	50.75	-3.65	74.0	23.25	Peak	16.00	400	Vertical	Pass
2**	4377.200	41.09	-3.65	54.0	12.91	AV	16.00	400	Vertical	Pass
3	5178.400	102.95	-2.52	--	--	Peak	166.00	150	Vertical	N/A
3**	5178.400	95.59	-2.52	--	--	AV	166.00	150	Vertical	N/A
4	7334.938	49.84	-3.24	74.0	24.16	Peak	246.00	300	Vertical	Pass
4**	7334.938	40.85	-3.24	54.0	13.15	AV	246.00	300	Vertical	Pass
5	12603.662	53.04	1.91	74.0	20.96	Peak	96.00	100	Vertical	Pass
5**	12603.662	43.72	1.91	54.0	10.28	AV	96.00	100	Vertical	Pass
6	15665.849	56.00	1.35	74.0	18.00	Peak	287.00	400	Vertical	Pass
6**	15665.849	45.90	1.35	54.0	8.10	AV	287.00	400	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	1552.800	38.62	-17.13	74.0	35.38	Peak	265.00	300	Horizontal	Pass
1**	1552.800	29.50	-17.13	54.0	24.50	AV	265.00	300	Horizontal	Pass
2	4380.800	49.95	-3.46	74.0	24.05	Peak	360.00	100	Horizontal	Pass
2**	4380.800	42.40	-3.46	54.0	11.60	AV	360.00	100	Horizontal	Pass
3	5218.400	112.26	-2.82	--	--	Peak	53.00	100	Horizontal	N/A
3**	5218.400	104.74	-2.82	--	--	AV	53.00	100	Horizontal	N/A
4	7634.225	49.84	-2.95	74.0	24.16	Peak	0.00	400	Horizontal	Pass
4**	7634.225	41.00	-2.95	54.0	13.00	AV	0.00	400	Horizontal	Pass
5	11919.700	53.22	1.50	74.0	20.78	Peak	16.00	200	Horizontal	Pass
5**	11919.700	42.93	1.50	54.0	11.07	AV	16.00	200	Horizontal	Pass
6	16043.850	56.25	0.76	74.0	17.75	Peak	360.00	100	Horizontal	Pass
6**	16043.850	46.61	0.76	54.0	7.39	AV	360.00	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	1505.300	38.72	-16.84	74.0	35.28	Peak	0.00	100	Vertical	Pass
1**	1505.300	31.03	-16.84	54.0	22.97	AV	0.00	100	Vertical	Pass
2	4393.200	49.69	-3.67	74.0	24.31	Peak	360.00	100	Vertical	Pass
2**	4393.200	40.73	-3.67	54.0	13.27	AV	360.00	100	Vertical	Pass
3	5219.000	102.53	-2.88	--	--	Peak	161.00	100	Vertical	N/A
3**	5219.000	94.76	-2.88	--	--	AV	161.00	100	Vertical	N/A
4	7351.325	49.70	-3.71	74.0	24.30	Peak	237.00	400	Vertical	Pass
4**	7351.325	40.51	-3.71	54.0	13.49	AV	237.00	400	Vertical	Pass
5	12320.187	53.16	1.43	74.0	20.84	Peak	184.00	100	Vertical	Pass
5**	12320.187	43.67	1.43	54.0	10.33	AV	184.00	100	Vertical	Pass
6	15654.825	56.17	1.19	74.0	17.83	Peak	202.00	400	Vertical	Pass
6**	15654.825	46.37	1.19	54.0	7.63	AV	202.00	400	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	1596.400	39.21	-17.09	74.0	34.79	Peak	209.00	300	Horizontal	Pass
1**	1596.400	29.96	-17.09	54.0	24.04	AV	209.00	300	Horizontal	Pass
2	4389.000	50.23	-3.37	74.0	23.77	Peak	19.00	300	Horizontal	Pass
2**	4389.000	41.57	-3.37	54.0	12.43	AV	19.00	300	Horizontal	Pass
3	5238.600	111.92	-2.59	--	--	Peak	67.00	150	Horizontal	N/A
3**	5238.600	104.43	-2.59	--	--	AV	67.00	150	Horizontal	N/A
4	7340.975	49.52	-3.07	74.0	24.48	Peak	0.00	200	Horizontal	Pass
4**	7340.975	41.29	-3.07	54.0	12.71	AV	0.00	200	Horizontal	Pass
5	12538.401	52.70	1.28	74.0	21.30	Peak	14.00	100	Horizontal	Pass
5**	12538.401	43.37	1.28	54.0	10.63	AV	14.00	100	Horizontal	Pass
6	15835.425	55.74	1.45	74.0	18.26	Peak	165.00	200	Horizontal	Pass
6**	15835.425	45.77	1.45	54.0	8.23	AV	165.00	200	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	1586.600	39.04	-16.92	74.0	34.96	Peak	315.00	300	Vertical	Pass
1**	1586.600	30.39	-16.92	54.0	23.61	AV	315.00	300	Vertical	Pass
2	4380.000	49.77	-3.32	74.0	24.23	Peak	178.00	100	Vertical	Pass
2**	4380.000	41.50	-3.32	54.0	12.50	AV	178.00	100	Vertical	Pass
3	5237.400	102.27	-2.53	--	--	Peak	258.00	100	Vertical	N/A
3**	5237.400	93.74	-2.53	--	--	AV	258.00	100	Vertical	N/A
4	7384.100	50.30	-3.59	74.0	23.70	Peak	14.00	200	Vertical	Pass
4**	7384.100	39.86	-3.59	54.0	14.14	AV	14.00	200	Vertical	Pass
5	12329.388	52.84	1.42	74.0	21.16	Peak	359.00	200	Vertical	Pass
5**	12329.388	43.55	1.42	54.0	10.45	AV	359.00	200	Vertical	Pass
6	15511.238	55.83	1.43	74.0	18.17	Peak	170.00	100	Vertical	Pass
6**	15511.238	46.35	1.43	54.0	7.65	AV	170.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.400	39.28	-17.20	74.0	34.72	Peak	226.00	400	Horizontal	Pass
1**	1510.400	29.50	-17.20	54.0	24.50	AV	226.00	400	Horizontal	Pass
2	4384.400	50.32	-3.57	74.0	23.68	Peak	265.00	200	Horizontal	Pass
2**	4384.400	40.81	-3.57	54.0	13.19	AV	265.00	200	Horizontal	Pass
3	5178.400	110.69	-2.52	--	--	Peak	67.00	150	Horizontal	N/A
3**	5178.400	103.85	-2.52	--	--	AV	67.00	150	Horizontal	N/A
4	7323.438	49.76	-3.37	74.0	24.24	Peak	41.00	300	Horizontal	Pass
4**	7323.438	40.21	-3.37	54.0	13.79	AV	41.00	300	Horizontal	Pass
5	12327.663	52.70	1.42	74.0	21.30	Peak	145.00	100	Horizontal	Pass
5**	12327.663	43.44	1.42	54.0	10.56	AV	145.00	100	Horizontal	Pass
6	16101.338	56.54	1.14	74.0	17.46	Peak	295.00	200	Horizontal	Pass
6**	16101.338	46.44	1.14	54.0	7.56	AV	295.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.300	39.57	-16.80	74.0	34.43	Peak	202.00	300	Vertical	Pass
1**	1488.300	30.27	-16.80	54.0	23.73	AV	202.00	300	Vertical	Pass
2	4379.800	49.99	-3.28	74.0	24.01	Peak	13.00	200	Vertical	Pass
2**	4379.800	41.20	-3.28	54.0	12.80	AV	13.00	200	Vertical	Pass
3	5181.600	101.32	-2.63	--	--	Peak	159.00	200	Vertical	N/A
3**	5181.600	93.85	-2.63	--	--	AV	159.00	200	Vertical	N/A
4	7687.125	49.85	-2.08	74.0	24.15	Peak	340.00	100	Vertical	Pass
4**	7687.125	40.57	-2.08	54.0	13.43	AV	340.00	100	Vertical	Pass
5	12440.362	53.50	1.78	74.0	20.50	Peak	111.00	100	Vertical	Pass
5**	12440.362	43.61	1.78	54.0	10.39	AV	111.00	100	Vertical	Pass
6	15797.363	55.08	2.25	74.0	18.92	Peak	324.00	200	Vertical	Pass
6**	15797.363	45.44	2.25	54.0	8.56	AV	324.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.700	38.95	-17.50	74.0	35.05	Peak	360.00	100	Horizontal	Pass
1**	1606.700	29.02	-17.50	54.0	24.98	AV	360.00	100	Horizontal	Pass
2	4380.000	49.80	-3.32	74.0	24.20	Peak	67.00	200	Horizontal	Pass
2**	4380.000	41.61	-3.32	54.0	12.39	AV	67.00	200	Horizontal	Pass
3	5221.200	111.62	-2.69	--	--	Peak	67.00	150	Horizontal	N/A
3**	5221.200	103.65	-2.69	--	--	AV	67.00	150	Horizontal	N/A
4	7342.125	49.48	-3.19	74.0	24.52	Peak	134.00	400	Horizontal	Pass
4**	7342.125	41.02	-3.19	54.0	12.98	AV	134.00	400	Horizontal	Pass
5	12329.675	53.64	1.42	74.0	20.36	Peak	0.00	200	Horizontal	Pass
5**	12329.675	44.52	1.42	54.0	9.48	AV	0.00	200	Horizontal	Pass
6	16039.125	56.01	0.79	74.0	17.99	Peak	221.00	400	Horizontal	Pass
6**	16039.125	46.82	0.79	54.0	7.18	AV	221.00	400	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	1488.400	38.90	-16.80	74.0	35.10	Peak	240.00	100	Vertical	Pass
1**	1488.400	29.83	-16.80	54.0	24.17	AV	240.00	100	Vertical	Pass
2	4370.800	50.01	-4.19	74.0	23.99	Peak	106.00	400	Vertical	Pass
2**	4370.800	40.29	-4.19	54.0	13.71	AV	106.00	400	Vertical	Pass
3	5221.600	101.30	-2.69	--	--	Peak	158.00	100	Vertical	N/A
3**	5221.600	93.76	-2.69	--	--	AV	158.00	100	Vertical	N/A
4	7673.038	49.72	-2.33	74.0	24.28	Peak	170.00	300	Vertical	Pass
4**	7673.038	40.43	-2.33	54.0	13.57	AV	170.00	300	Vertical	Pass
5	12410.463	53.17	1.44	74.0	20.83	Peak	360.00	150	Vertical	Pass
5**	12410.463	43.93	1.44	54.0	10.07	AV	360.00	150	Vertical	Pass
6	15852.488	56.16	1.26	74.0	17.84	Peak	80.00	300	Vertical	Pass
6**	15852.488	47.10	1.26	54.0	6.90	AV	80.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.700	38.63	-16.85	74.0	35.37	Peak	122.00	400	Horizontal	Pass
1**	1504.700	29.59	-16.85	54.0	24.41	AV	122.00	400	Horizontal	Pass
2	4379.200	50.21	-3.34	74.0	23.79	Peak	293.00	400	Horizontal	Pass
2**	4379.200	41.28	-3.34	54.0	12.72	AV	293.00	400	Horizontal	Pass
3	5242.000	110.86	-2.48	--	--	Peak	62.00	100	Horizontal	N/A
3**	5242.000	103.32	-2.48	--	--	AV	62.00	100	Horizontal	N/A
4	7671.312	49.40	-2.51	74.0	24.60	Peak	50.00	100	Horizontal	Pass
4**	7671.312	40.81	-2.51	54.0	13.19	AV	50.00	100	Horizontal	Pass
5	11955.925	53.26	1.12	74.0	20.74	Peak	32.00	150	Horizontal	Pass
5**	11955.925	43.36	1.12	54.0	10.64	AV	32.00	150	Horizontal	Pass
6	16105.538	55.37	0.96	74.0	18.63	Peak	303.00	300	Horizontal	Pass
6**	16105.538	45.80	0.96	54.0	8.20	AV	303.00	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	1504.600	39.70	-16.86	74.0	34.30	Peak	8.00	300	Vertical	Pass
1**	1504.600	30.08	-16.86	54.0	23.92	AV	8.00	300	Vertical	Pass
2	4383.000	50.11	-3.64	74.0	23.89	Peak	214.00	300	Vertical	Pass
2**	4383.000	41.64	-3.64	54.0	12.36	AV	214.00	300	Vertical	Pass
3	5243.200	100.70	-2.39	--	--	Peak	248.00	100	Vertical	N/A
3**	5243.200	93.71	-2.39	--	--	AV	248.00	100	Vertical	N/A
4	7444.763	50.06	-3.20	74.0	23.94	Peak	352.00	400	Vertical	Pass
4**	7444.763	40.53	-3.20	54.0	13.47	AV	352.00	400	Vertical	Pass
5	12280.225	53.64	1.80	74.0	20.36	Peak	352.00	200	Vertical	Pass
5**	12280.225	44.91	1.80	54.0	9.09	AV	352.00	200	Vertical	Pass
6	15657.450	56.18	1.23	74.0	17.82	Peak	130.00	100	Vertical	Pass
6**	15657.450	46.19	1.23	54.0	7.81	AV	130.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.800	38.81	-16.94	74.0	35.19	Peak	51.00	400	Horizontal	Pass
1**	1559.800	29.60	-16.94	54.0	24.40	AV	51.00	400	Horizontal	Pass
2	4130.600	50.15	-5.20	74.0	23.85	Peak	0.00	100	Horizontal	Pass
2**	4130.600	39.95	-5.20	54.0	14.05	AV	0.00	100	Horizontal	Pass
3	5192.000	109.74	-2.28	--	--	Peak	64.00	150	Horizontal	N/A
3**	5192.000	102.25	-2.28	--	--	AV	64.00	150	Horizontal	N/A
4	7383.525	50.26	-3.51	74.0	23.74	Peak	336.00	200	Horizontal	Pass
4**	7383.525	39.94	-3.51	54.0	14.06	AV	336.00	200	Horizontal	Pass
5	12691.350	53.05	0.84	74.0	20.95	Peak	156.00	200	Horizontal	Pass
5**	12691.350	43.72	0.84	54.0	10.28	AV	156.00	200	Horizontal	Pass
6	15667.162	55.66	1.38	74.0	18.34	Peak	13.00	300	Horizontal	Pass
6**	15667.162	46.35	1.38	54.0	7.65	AV	13.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.500	38.76	-17.10	74.0	35.24	Peak	87.00	200	Vertical	Pass
1**	1573.500	29.45	-17.10	54.0	24.55	AV	87.00	200	Vertical	Pass
2	4386.200	50.25	-3.27	74.0	23.75	Peak	23.00	100	Vertical	Pass
2**	4386.200	40.74	-3.27	54.0	13.26	AV	23.00	100	Vertical	Pass
3	5182.000	98.03	-2.61	--	--	Peak	165.00	150	Vertical	N/A
3**	5182.000	90.93	-2.61	--	--	AV	165.00	150	Vertical	N/A
4	7333.212	50.55	-3.14	74.0	23.45	Peak	298.00	200	Vertical	Pass
4**	7333.212	41.06	-3.14	54.0	12.94	AV	298.00	200	Vertical	Pass
5	12321.050	53.08	1.42	74.0	20.92	Peak	163.00	150	Vertical	Pass
5**	12321.050	43.55	1.42	54.0	10.45	AV	163.00	150	Vertical	Pass
6	16077.712	55.66	1.59	74.0	18.34	Peak	63.00	200	Vertical	Pass
6**	16077.712	46.36	1.59	54.0	7.64	AV	63.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.300	39.01	-17.14	74.0	34.99	Peak	294.00	300	Horizontal	Pass
1**	1583.300	30.24	-17.14	54.0	23.76	AV	294.00	300	Horizontal	Pass
2	4393.000	50.02	-3.64	74.0	23.98	Peak	13.00	200	Horizontal	Pass
2**	4393.000	41.31	-3.64	54.0	12.69	AV	13.00	200	Horizontal	Pass
3	5231.800	109.11	-2.58	--	--	Peak	56.00	200	Horizontal	N/A
3**	5231.800	101.96	-2.58	--	--	AV	56.00	200	Horizontal	N/A
4	7334.938	50.16	-3.24	74.0	23.84	Peak	78.00	300	Horizontal	Pass
4**	7334.938	40.82	-3.24	54.0	13.18	AV	78.00	300	Horizontal	Pass
5	11662.387	53.00	0.15	74.0	21.00	Peak	211.00	150	Horizontal	Pass
5**	11662.387	43.27	0.15	54.0	10.73	AV	211.00	150	Horizontal	Pass
6	15785.287	56.02	1.81	74.0	17.98	Peak	136.00	400	Horizontal	Pass
6**	15785.287	46.32	1.81	54.0	7.68	AV	136.00	400	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	1496.500	39.70	-16.89	74.0	34.30	Peak	72.00	100	Vertical	Pass
1**	1496.500	29.45	-16.89	54.0	24.55	AV	72.00	100	Vertical	Pass
2	4390.800	50.78	-3.35	74.0	23.22	Peak	124.00	300	Vertical	Pass
2**	4390.800	41.54	-3.35	54.0	12.46	AV	124.00	300	Vertical	Pass
3	5232.600	98.17	-2.67	--	--	Peak	250.00	100	Vertical	N/A
3**	5232.600	90.52	-2.67	--	--	AV	250.00	100	Vertical	N/A
4	7333.788	49.59	-3.14	74.0	24.41	Peak	339.00	400	Vertical	Pass
4**	7333.788	40.67	-3.14	54.0	13.33	AV	339.00	400	Vertical	Pass
5	12607.400	53.30	1.90	74.0	20.70	Peak	355.00	150	Vertical	Pass
5**	12607.400	43.69	1.90	54.0	10.31	AV	355.00	150	Vertical	Pass
6	15853.537	55.66	1.23	74.0	18.34	Peak	59.00	100	Vertical	Pass
6**	15853.537	47.06	1.23	54.0	6.94	AV	59.00	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	1537.800	38.94	-17.05	74.0	35.06	Peak	317.00	100	Horizontal	Pass
1**	1537.800	29.57	-17.05	54.0	24.43	AV	317.00	100	Horizontal	Pass
2	4389.400	50.00	-3.35	74.0	24.00	Peak	223.00	200	Horizontal	Pass
2**	4389.400	41.71	-3.35	54.0	12.29	AV	223.00	200	Horizontal	Pass
3	5180.600	111.45	-2.66	--	--	Peak	67.00	150	Horizontal	N/A
3**	5180.600	103.29	-2.66	--	--	AV	67.00	150	Horizontal	N/A
4	7675.337	49.42	-2.48	74.0	24.58	Peak	310.00	200	Horizontal	Pass
4**	7675.337	40.51	-2.48	54.0	13.49	AV	310.00	200	Horizontal	Pass
5	12280.513	52.81	1.80	74.0	21.19	Peak	210.00	200	Horizontal	Pass
5**	12280.513	45.12	1.80	54.0	8.88	AV	210.00	200	Horizontal	Pass
6	16106.063	55.49	0.93	74.0	18.51	Peak	343.00	100	Horizontal	Pass
6**	16106.063	46.38	0.93	54.0	7.62	AV	343.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.900	40.33	-17.15	74.0	33.67	Peak	173.00	300	Vertical	Pass
1**	1497.900	29.69	-17.15	54.0	24.31	AV	173.00	300	Vertical	Pass
2	4379.000	50.56	-3.36	74.0	23.44	Peak	138.00	200	Vertical	Pass
2**	4379.000	41.76	-3.36	54.0	12.24	AV	138.00	200	Vertical	Pass
3	5178.800	102.03	-2.53	--	--	Peak	169.00	100	Vertical	N/A
3**	5178.800	94.03	-2.53	--	--	AV	169.00	100	Vertical	N/A
4	7270.250	49.32	-2.97	74.0	24.68	Peak	359.00	200	Vertical	Pass
4**	7270.250	40.38	-2.97	54.0	13.62	AV	359.00	200	Vertical	Pass
5	11341.537	53.44	0.22	74.0	20.56	Peak	136.00	200	Vertical	Pass
5**	11341.537	43.38	0.22	54.0	10.62	AV	136.00	200	Vertical	Pass
6	15837.000	55.64	1.45	74.0	18.36	Peak	0.00	200	Vertical	Pass
6**	15837.000	46.54	1.45	54.0	7.46	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.700	38.96	-17.10	74.0	35.04	Peak	317.00	100	Horizontal	Pass
1**	1624.700	30.86	-17.10	54.0	23.14	AV	317.00	100	Horizontal	Pass
2	4380.200	51.00	-3.35	74.0	23.00	Peak	284.00	200	Horizontal	Pass
2**	4380.200	41.91	-3.35	54.0	12.09	AV	284.00	200	Horizontal	Pass
3	5222.200	111.33	-2.70	--	--	Peak	58.00	150	Horizontal	N/A
3**	5222.200	103.30	-2.70	--	--	AV	58.00	150	Horizontal	N/A
4	7712.425	49.36	-2.27	74.0	24.64	Peak	360.00	100	Horizontal	Pass
4**	7712.425	40.63	-2.27	54.0	13.37	AV	360.00	100	Horizontal	Pass
5	12286.838	52.89	1.73	74.0	21.11	Peak	286.00	100	Horizontal	Pass
5**	12286.838	44.88	1.73	54.0	9.12	AV	286.00	100	Horizontal	Pass
6	16172.738	55.65	1.25	74.0	18.35	Peak	0.00	200	Horizontal	Pass
6**	16172.738	45.78	1.25	54.0	8.22	AV	0.00	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	1495.800	40.84	-16.85	74.0	33.16	Peak	186.00	200	Vertical	Pass
1**	1495.800	29.71	-16.85	54.0	24.29	AV	186.00	200	Vertical	Pass
2	4387.600	50.02	-3.37	74.0	23.98	Peak	160.00	100	Vertical	Pass
2**	4387.600	42.45	-3.37	54.0	11.55	AV	160.00	100	Vertical	Pass
3	5222.400	101.25	-2.70	--	--	Peak	160.00	200	Vertical	N/A
3**	5222.400	94.06	-2.70	--	--	AV	160.00	200	Vertical	N/A
4	7339.825	51.09	-2.95	74.0	22.91	Peak	165.00	100	Vertical	Pass
4**	7339.825	41.31	-2.95	54.0	12.69	AV	165.00	100	Vertical	Pass
5	12279.937	52.94	1.80	74.0	21.06	Peak	294.00	150	Vertical	Pass
5**	12279.937	43.97	1.80	54.0	10.03	AV	294.00	150	Vertical	Pass
6	15841.463	55.96	1.42	74.0	18.04	Peak	194.00	300	Vertical	Pass
6**	15841.463	47.20	1.42	54.0	6.80	AV	194.00	300	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	1450.800	39.02	-17.12	74.0	34.98	Peak	297.00	100	Horizontal	Pass
1**	1450.800	28.87	-17.12	54.0	25.13	AV	297.00	100	Horizontal	Pass
2	4382.200	49.96	-3.64	74.0	24.04	Peak	301.00	400	Horizontal	Pass
2**	4382.200	41.39	-3.64	54.0	12.61	AV	301.00	400	Horizontal	Pass
3	5242.600	110.82	-2.39	--	--	Peak	63.00	200	Horizontal	N/A
3**	5242.600	103.86	-2.39	--	--	AV	63.00	200	Horizontal	N/A
4	7443.325	49.07	-3.30	74.0	24.93	Peak	275.00	100	Horizontal	Pass
4**	7443.325	40.05	-3.30	54.0	13.95	AV	275.00	100	Horizontal	Pass
5	12311.276	52.98	1.38	74.0	21.02	Peak	174.00	150	Horizontal	Pass
5**	12311.276	43.62	1.38	54.0	10.38	AV	174.00	150	Horizontal	Pass
6	15630.412	55.42	1.69	74.0	18.58	Peak	188.00	400	Horizontal	Pass
6**	15630.412	46.13	1.69	54.0	7.87	AV	188.00	400	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	1493.500	39.34	-16.88	74.0	34.66	Peak	69.00	200	Vertical	Pass
1**	1493.500	29.38	-16.88	54.0	24.62	AV	69.00	200	Vertical	Pass
2	4386.000	50.75	-3.30	74.0	23.25	Peak	60.00	200	Vertical	Pass
2**	4386.000	41.73	-3.30	54.0	12.27	AV	60.00	200	Vertical	Pass
3	5245.200	100.73	-2.40	--	--	Peak	258.00	100	Vertical	N/A
3**	5245.200	92.77	-2.40	--	--	AV	258.00	100	Vertical	N/A
4	7450.513	49.73	-3.19	74.0	24.27	Peak	29.00	100	Vertical	Pass
4**	7450.513	39.95	-3.19	54.0	14.05	AV	29.00	100	Vertical	Pass
5	11951.901	53.08	1.31	74.0	20.92	Peak	198.00	150	Vertical	Pass
5**	11951.901	43.37	1.31	54.0	10.63	AV	198.00	150	Vertical	Pass
6	15855.638	55.75	1.16	74.0	18.25	Peak	196.00	400	Vertical	Pass
6**	15855.638	46.75	1.16	54.0	7.25	AV	196.00	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	1625.500	39.59	-17.14	74.0	34.41	Peak	25.00	300	Horizontal	Pass
1**	1625.500	29.54	-17.14	54.0	24.46	AV	25.00	300	Horizontal	Pass
2	4268.600	50.05	-4.86	74.0	23.95	Peak	51.00	300	Horizontal	Pass
2**	4268.600	40.01	-4.86	54.0	13.99	AV	51.00	300	Horizontal	Pass
3	5191.800	109.33	-2.27	--	--	Peak	62.00	100	Horizontal	N/A
3**	5191.800	102.09	-2.27	--	--	AV	62.00	100	Horizontal	N/A
4	7347.588	49.67	-3.70	74.0	24.33	Peak	244.00	400	Horizontal	Pass
4**	7347.588	40.30	-3.70	54.0	13.70	AV	244.00	400	Horizontal	Pass
5	11936.663	52.81	1.69	74.0	21.19	Peak	63.00	100	Horizontal	Pass
5**	11936.663	43.25	1.69	54.0	10.75	AV	63.00	100	Horizontal	Pass
6	15487.612	55.19	0.92	74.0	18.81	Peak	237.00	100	Horizontal	Pass
6**	15487.612	44.93	0.92	54.0	9.07	AV	237.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.500	40.06	-17.22	74.0	33.94	Peak	200.00	400	Vertical	Pass
1**	1498.500	29.24	-17.22	54.0	24.76	AV	200.00	400	Vertical	Pass
2	4385.600	50.05	-3.36	74.0	23.95	Peak	26.00	400	Vertical	Pass
2**	4385.600	41.55	-3.36	54.0	12.45	AV	26.00	400	Vertical	Pass
3	5191.800	99.19	-2.27	--	--	Peak	162.00	200	Vertical	N/A
3**	5191.800	91.10	-2.27	--	--	AV	162.00	200	Vertical	N/A
4	7381.800	49.50	-3.37	74.0	24.50	Peak	161.00	300	Vertical	Pass
4**	7381.800	39.94	-3.37	54.0	14.06	AV	161.00	300	Vertical	Pass
5	12236.812	53.34	1.12	74.0	20.66	Peak	291.00	150	Vertical	Pass
5**	12236.812	43.63	1.12	54.0	10.37	AV	291.00	150	Vertical	Pass
6	15815.213	55.98	2.05	74.0	18.02	Peak	230.00	100	Vertical	Pass
6**	15815.213	46.76	2.05	54.0	7.24	AV	230.00	100	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	1493.900	38.58	-16.88	74.0	35.42	Peak	0.00	400	Horizontal	Pass
1**	1493.900	29.18	-16.88	54.0	24.82	AV	0.00	400	Horizontal	Pass
2	4387.800	49.71	-3.38	74.0	24.29	Peak	291.00	400	Horizontal	Pass
2**	4387.800	41.70	-3.38	54.0	12.30	AV	291.00	400	Horizontal	Pass
3	5228.400	109.72	-2.71	--	--	Peak	64.00	100	Horizontal	N/A
3**	5228.400	101.79	-2.71	--	--	AV	64.00	100	Horizontal	N/A
4	7598.287	49.42	-2.91	74.0	24.58	Peak	330.00	300	Horizontal	Pass
4**	7598.287	40.37	-2.91	54.0	13.63	AV	330.00	300	Horizontal	Pass
5	12603.950	53.56	1.91	74.0	20.44	Peak	15.00	200	Horizontal	Pass
5**	12603.950	43.68	1.91	54.0	10.32	AV	15.00	200	Horizontal	Pass
6	15668.737	56.19	1.41	74.0	17.81	Peak	39.00	300	Horizontal	Pass
6**	15668.737	46.36	1.41	54.0	7.64	AV	39.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.800	38.76	-16.88	74.0	35.24	Peak	259.00	400	Vertical	Pass
1**	1493.800	30.26	-16.88	54.0	23.74	AV	259.00	400	Vertical	Pass
2	4207.600	50.15	-4.59	74.0	23.85	Peak	110.00	400	Vertical	Pass
2**	4207.600	39.77	-4.59	54.0	14.23	AV	110.00	400	Vertical	Pass
3	5231.600	98.33	-2.57	--	--	Peak	250.00	200	Vertical	N/A
3**	5231.600	90.90	-2.57	--	--	AV	250.00	200	Vertical	N/A
4	7723.925	49.61	-2.47	74.0	24.39	Peak	349.00	200	Vertical	Pass
4**	7723.925	39.71	-2.47	54.0	14.29	AV	349.00	200	Vertical	Pass
5	12239.400	53.38	1.08	74.0	20.62	Peak	360.00	100	Vertical	Pass
5**	12239.400	43.55	1.08	54.0	10.45	AV	360.00	100	Vertical	Pass
6	15854.063	55.89	1.22	74.0	18.11	Peak	124.00	300	Vertical	Pass
6**	15854.063	46.90	1.22	54.0	7.10	AV	124.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.800	38.64	-17.17	74.0	35.36	Peak	292.00	300	Horizontal	Pass
1**	1517.800	29.28	-17.17	54.0	24.72	AV	292.00	300	Horizontal	Pass
2	4297.200	50.15	-3.99	74.0	23.85	Peak	258.00	400	Horizontal	Pass
2**	4297.200	40.04	-3.99	54.0	13.96	AV	258.00	400	Horizontal	Pass
3	5208.400	106.39	-2.31	--	--	Peak	60.00	200	Horizontal	N/A
3**	5208.400	99.01	-2.31	--	--	AV	60.00	200	Horizontal	N/A
4	7386.975	50.09	-3.99	74.0	23.91	Peak	31.00	300	Horizontal	Pass
4**	7386.975	40.93	-3.99	54.0	13.07	AV	31.00	300	Horizontal	Pass
5	12291.438	52.92	1.64	74.0	21.08	Peak	203.00	150	Horizontal	Pass
5**	12291.438	43.54	1.64	54.0	10.46	AV	203.00	150	Horizontal	Pass
6	15503.887	55.90	1.25	74.0	18.10	Peak	303.00	300	Horizontal	Pass
6**	15503.887	47.18	1.25	54.0	6.82	AV	303.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.100	39.75	-16.87	74.0	34.25	Peak	191.00	100	Vertical	Pass
1**	1494.100	29.63	-16.87	54.0	24.37	AV	191.00	100	Vertical	Pass
2	4394.200	50.09	-3.81	74.0	23.91	Peak	322.00	400	Vertical	Pass
2**	4394.200	40.84	-3.81	54.0	13.16	AV	322.00	400	Vertical	Pass
3	5211.200	96.02	-2.25	--	--	Peak	160.00	200	Vertical	N/A
3**	5211.200	89.21	-2.25	--	--	AV	160.00	200	Vertical	N/A
4	7332.350	49.52	-3.24	74.0	24.48	Peak	360.00	200	Vertical	Pass
4**	7332.350	41.01	-3.24	54.0	12.99	AV	360.00	200	Vertical	Pass
5	12617.175	53.34	1.84	74.0	20.66	Peak	83.00	200	Vertical	Pass
5**	12617.175	44.43	1.84	54.0	9.57	AV	83.00	200	Vertical	Pass
6	15514.651	56.00	1.40	74.0	18.00	Peak	314.00	100	Vertical	Pass
6**	15514.651	46.06	1.40	54.0	7.94	AV	314.00	100	Vertical	Pass

11ac160, 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	1459.500	38.93	-17.04	74.0	35.07	Peak	222.00	400	Horizontal	Pass
1**	1459.500	29.09	-17.04	54.0	24.91	AV	222.00	400	Horizontal	Pass
2	4380.000	50.46	-3.32	74.0	23.54	Peak	247.00	400	Horizontal	Pass
2**	4380.000	41.90	-3.32	54.0	12.10	AV	247.00	400	Horizontal	Pass
3	5252.800	100.63	-2.05	--	--	Peak	332.00	150	Horizontal	N/A
3**	5252.800	92.99	-2.05	--	--	AV	332.00	150	Horizontal	N/A
4	7448.500	49.17	-3.26	74.0	24.83	Peak	360.00	200	Horizontal	Pass
4**	7448.500	40.45	-3.26	54.0	13.55	AV	360.00	200	Horizontal	Pass
5	12317.312	53.50	1.41	74.0	20.50	Peak	308.00	200	Horizontal	Pass
5**	12317.312	44.07	1.41	54.0	9.93	AV	308.00	200	Horizontal	Pass
6	15788.963	56.51	1.97	74.0	17.49	Peak	45.00	300	Horizontal	Pass
6**	15788.963	46.66	1.97	54.0	7.34	AV	45.00	300	Horizontal	Pass

11ac160, 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	1612.000	39.61	-17.22	74.0	34.39	Peak	0.00	400	Vertical	Pass
1**	1612.000	29.40	-17.22	54.0	24.60	AV	0.00	400	Vertical	Pass
2	4371.000	49.90	-4.22	74.0	24.10	Peak	3.00	100	Vertical	Pass
2**	4371.000	40.74	-4.22	54.0	13.26	AV	3.00	100	Vertical	Pass
3	5231.800	91.04	-2.58	--	--	Peak	78.00	150	Vertical	N/A
3**	5231.800	82.48	-2.58	--	--	AV	78.00	150	Vertical	N/A
4	7340.112	49.64	-2.98	74.0	24.36	Peak	112.00	100	Vertical	Pass
4**	7340.112	40.75	-2.98	54.0	13.25	AV	112.00	100	Vertical	Pass
5	12277.349	53.26	1.71	74.0	20.74	Peak	0.00	150	Vertical	Pass
5**	12277.349	44.60	1.71	54.0	9.40	AV	0.00	150	Vertical	Pass
6	16076.401	56.40	1.57	74.0	17.60	Peak	3.00	300	Vertical	Pass
6**	16076.401	47.78	1.57	54.0	6.22	AV	3.00	300	Vertical	Pass

11ax20 (SU), 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	1505.800	39.46	-16.83	74.0	34.54	Peak	3.00	400	Horizontal	Pass
1**	1505.800	30.30	-16.83	54.0	23.70	AV	3.00	400	Horizontal	Pass
2	4309.400	50.06	-4.33	74.0	23.94	Peak	360.00	100	Horizontal	Pass
2**	4309.400	39.71	-4.33	54.0	14.29	AV	360.00	100	Horizontal	Pass
3	5183.000	111.19	-2.54	--	--	Peak	64.00	150	Horizontal	N/A
3**	5183.000	103.21	-2.54	--	--	AV	64.00	150	Horizontal	N/A
4	7618.125	49.42	-2.74	74.0	24.58	Peak	96.00	300	Horizontal	Pass
4**	7618.125	39.86	-2.74	54.0	14.14	AV	96.00	300	Horizontal	Pass
5	12320.474	53.35	1.42	74.0	20.65	Peak	202.00	150	Horizontal	Pass
5**	12320.474	44.31	1.42	54.0	9.69	AV	202.00	150	Horizontal	Pass
6	15736.200	55.49	0.83	74.0	18.51	Peak	48.00	100	Horizontal	Pass
6**	15736.200	44.60	0.83	54.0	9.40	AV	48.00	100	Horizontal	Pass

11ax20 (SU), 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	1598.300	39.50	-17.29	74.0	34.50	Peak	13.00	100	Vertical	Pass
1**	1598.300	30.27	-17.29	54.0	23.73	AV	13.00	100	Vertical	Pass
2	4274.200	50.17	-4.91	74.0	23.83	Peak	276.00	400	Vertical	Pass
2**	4274.200	40.09	-4.91	54.0	13.91	AV	276.00	400	Vertical	Pass
3	5183.000	102.59	-2.54	--	--	Peak	165.00	200	Vertical	N/A
3**	5183.000	94.40	-2.54	--	--	AV	165.00	200	Vertical	N/A
4	7341.837	50.17	-3.15	74.0	23.83	Peak	307.00	400	Vertical	Pass
4**	7341.837	41.38	-3.15	54.0	12.62	AV	307.00	400	Vertical	Pass
5	12271.313	52.40	1.49	74.0	21.60	Peak	287.00	200	Vertical	Pass
5**	12271.313	43.49	1.49	54.0	10.51	AV	287.00	200	Vertical	Pass
6	16090.838	55.75	1.42	74.0	18.25	Peak	179.00	400	Vertical	Pass
6**	16090.838	46.48	1.42	54.0	7.52	AV	179.00	400	Vertical	Pass

11ax20 (SU), 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	1542.600	38.84	-17.25	74.0	35.16	Peak	314.00	300	Horizontal	Pass
1**	1542.600	29.09	-17.25	54.0	24.91	AV	314.00	300	Horizontal	Pass
2	4136.000	50.27	-4.72	74.0	23.73	Peak	55.00	100	Horizontal	Pass
2**	4136.000	40.04	-4.72	54.0	13.96	AV	55.00	100	Horizontal	Pass
3	5219.200	112.49	-2.88	--	--	Peak	55.00	200	Horizontal	N/A
3**	5219.200	102.92	-2.88	--	--	AV	55.00	200	Horizontal	N/A
4	7323.438	50.18	-3.37	74.0	23.82	Peak	30.00	400	Horizontal	Pass
4**	7323.438	39.45	-3.37	54.0	14.55	AV	30.00	400	Horizontal	Pass
5	12615.162	52.92	1.87	74.0	21.08	Peak	119.00	150	Horizontal	Pass
5**	12615.162	43.87	1.87	54.0	10.13	AV	119.00	150	Horizontal	Pass
6	15670.838	55.61	1.45	74.0	18.39	Peak	284.00	100	Horizontal	Pass
6**	15670.838	46.27	1.45	54.0	7.73	AV	284.00	100	Horizontal	Pass

11ax20 (SU), 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	1598.800	39.35	-17.37	74.0	34.65	Peak	30.00	100	Vertical	Pass
1**	1598.800	29.00	-17.37	54.0	25.00	AV	30.00	100	Vertical	Pass
2	4386.200	51.03	-3.27	74.0	22.97	Peak	0.00	200	Vertical	Pass
2**	4386.200	41.99	-3.27	54.0	12.01	AV	0.00	200	Vertical	Pass
3	5215.800	102.41	-2.59	--	--	Peak	255.00	150	Vertical	N/A
3**	5215.800	92.49	-2.59	--	--	AV	255.00	150	Vertical	N/A
4	7450.513	50.34	-3.19	74.0	23.66	Peak	135.00	200	Vertical	Pass
4**	7450.513	40.24	-3.19	54.0	13.76	AV	135.00	200	Vertical	Pass
5	12275.049	53.78	1.62	74.0	20.22	Peak	246.00	150	Vertical	Pass
5**	12275.049	44.09	1.62	54.0	9.91	AV	246.00	150	Vertical	Pass
6	16093.987	56.07	1.35	74.0	17.93	Peak	343.00	100	Vertical	Pass
6**	16093.987	45.93	1.35	54.0	8.07	AV	343.00	100	Vertical	Pass

11ax20 (SU), 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	1565.800	39.42	-17.15	74.0	34.58	Peak	2.00	100	Horizontal	Pass
1**	1565.800	29.10	-17.15	54.0	24.90	AV	2.00	100	Horizontal	Pass
2	4386.400	50.38	-3.29	74.0	23.62	Peak	360.00	300	Horizontal	Pass
2**	4386.400	41.22	-3.29	54.0	12.78	AV	360.00	300	Horizontal	Pass
3	5238.000	112.66	-2.55	--	--	Peak	71.00	100	Horizontal	N/A
3**	5238.000	104.18	-2.55	--	--	AV	71.00	100	Horizontal	N/A
4	7327.175	50.15	-3.40	74.0	23.85	Peak	55.00	300	Horizontal	Pass
4**	7327.175	40.31	-3.40	54.0	13.69	AV	55.00	300	Horizontal	Pass
5	12607.974	53.24	1.90	74.0	20.76	Peak	207.00	150	Horizontal	Pass
5**	12607.974	43.93	1.90	54.0	10.07	AV	207.00	150	Horizontal	Pass
6	16114.463	56.22	0.69	74.0	17.78	Peak	228.00	100	Horizontal	Pass
6**	16114.463	46.43	0.69	54.0	7.57	AV	228.00	100	Horizontal	Pass

11ax20 (SU), 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	1498.400	39.68	-17.23	74.0	34.32	Peak	201.00	100	Vertical	Pass
1**	1498.400	29.50	-17.23	54.0	24.50	AV	201.00	100	Vertical	Pass
2	4384.400	50.59	-3.57	74.0	23.41	Peak	37.00	100	Vertical	Pass
2**	4384.400	40.57	-3.57	54.0	13.43	AV	37.00	100	Vertical	Pass
3	5242.800	101.70	-2.39	--	--	Peak	251.00	200	Vertical	N/A
3**	5242.800	93.47	-2.39	--	--	AV	251.00	200	Vertical	N/A
4	7690.000	50.48	-2.38	74.0	23.52	Peak	356.00	100	Vertical	Pass
4**	7690.000	39.97	-2.38	54.0	14.03	AV	356.00	100	Vertical	Pass
5	12281.950	52.89	1.79	74.0	21.11	Peak	62.00	100	Vertical	Pass
5**	12281.950	43.73	1.79	54.0	10.27	AV	62.00	100	Vertical	Pass
6	15795.526	55.67	2.19	74.0	18.33	Peak	168.00	100	Vertical	Pass
6**	15795.526	47.00	2.19	54.0	7.00	AV	168.00	100	Vertical	Pass

11ax40 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.800	38.95	-16.72	74.0	35.05	Peak	118.00	300	Horizontal	Pass
1**	1489.800	29.67	-16.72	54.0	24.33	AV	118.00	300	Horizontal	Pass
2	4387.000	50.64	-3.33	74.0	23.36	Peak	191.00	200	Horizontal	Pass
2**	4387.000	41.98	-3.33	54.0	12.02	AV	191.00	200	Horizontal	Pass
3	5191.200	110.25	-2.25	--	--	Peak	65.00	100	Horizontal	N/A
3**	5191.200	101.59	-2.25	--	--	AV	65.00	100	Horizontal	N/A
4	7337.812	49.43	-2.88	74.0	24.57	Peak	238.00	100	Horizontal	Pass
4**	7337.812	41.37	-2.88	54.0	12.63	AV	238.00	100	Horizontal	Pass
5	12280.513	54.14	1.80	74.0	19.86	Peak	318.00	100	Horizontal	Pass
5**	12280.513	44.18	1.80	54.0	9.82	AV	318.00	100	Horizontal	Pass
6	16093.725	56.30	1.35	74.0	17.70	Peak	306.00	300	Horizontal	Pass
6**	16093.725	46.91	1.35	54.0	7.09	AV	306.00	300	Horizontal	Pass

11ax40 (SU), 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	1560.500	38.60	-16.89	74.0	35.40	Peak	118.00	300	Vertical	Pass
1**	1560.500	29.10	-16.89	54.0	24.90	AV	118.00	300	Vertical	Pass
2	4248.600	49.97	-4.68	74.0	24.03	Peak	64.00	100	Vertical	Pass
2**	4248.600	40.02	-4.68	54.0	13.98	AV	64.00	100	Vertical	Pass
3	5191.400	99.37	-2.25	--	--	Peak	167.00	100	Vertical	N/A
3**	5191.400	90.79	-2.25	--	--	AV	167.00	100	Vertical	N/A
4	7343.563	49.83	-3.39	74.0	24.17	Peak	269.00	100	Vertical	Pass
4**	7343.563	40.66	-3.39	54.0	13.34	AV	269.00	100	Vertical	Pass
5	12354.975	53.37	1.17	74.0	20.63	Peak	172.00	150	Vertical	Pass
5**	12354.975	42.72	1.17	54.0	11.28	AV	172.00	150	Vertical	Pass
6	16130.213	56.01	1.02	74.0	17.99	Peak	197.00	200	Vertical	Pass
6**	16130.213	46.14	1.02	54.0	7.86	AV	197.00	200	Vertical	Pass

11ax40 (SU), 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	1510.600	39.48	-17.20	74.0	34.52	Peak	320.00	300	Horizontal	Pass
1**	1510.600	30.04	-17.20	54.0	23.96	AV	320.00	300	Horizontal	Pass
2	4379.200	49.73	-3.34	74.0	24.27	Peak	202.00	100	Horizontal	Pass
2**	4379.200	41.34	-3.34	54.0	12.66	AV	202.00	100	Horizontal	Pass
3	5231.800	109.59	-2.58	--	--	Peak	64.00	200	Horizontal	N/A
3**	5231.800	101.58	-2.58	--	--	AV	64.00	200	Horizontal	N/A
4	7727.375	49.50	-2.50	74.0	24.50	Peak	270.00	200	Horizontal	Pass
4**	7727.375	39.65	-2.50	54.0	14.35	AV	270.00	200	Horizontal	Pass
5	11942.412	53.23	1.62	74.0	20.77	Peak	360.00	100	Horizontal	Pass
5**	11942.412	43.35	1.62	54.0	10.65	AV	360.00	100	Horizontal	Pass
6	15843.826	55.44	1.39	74.0	18.56	Peak	175.00	300	Horizontal	Pass
6**	15843.826	46.19	1.39	54.0	7.81	AV	175.00	300	Horizontal	Pass

11ax40 (SU), 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	1482.100	39.38	-17.06	74.0	34.62	Peak	316.00	400	Vertical	Pass
1**	1482.100	29.71	-17.06	54.0	24.29	AV	316.00	400	Vertical	Pass
2	4376.800	49.86	-3.78	74.0	24.14	Peak	328.00	400	Vertical	Pass
2**	4376.800	41.08	-3.78	54.0	12.92	AV	328.00	400	Vertical	Pass
3	5233.200	99.43	-2.74	--	--	Peak	253.00	150	Vertical	N/A
3**	5233.200	90.86	-2.74	--	--	AV	253.00	150	Vertical	N/A
4	7683.100	50.04	-2.68	74.0	23.96	Peak	97.00	400	Vertical	Pass
4**	7683.100	40.25	-2.68	54.0	13.75	AV	97.00	400	Vertical	Pass
5	12313.000	52.97	1.39	74.0	21.03	Peak	360.00	150	Vertical	Pass
5**	12313.000	44.72	1.39	54.0	9.28	AV	360.00	150	Vertical	Pass
6	15792.638	55.47	2.09	74.0	18.53	Peak	146.00	200	Vertical	Pass
6**	15792.638	46.56	2.09	54.0	7.44	AV	146.00	200	Vertical	Pass

11ax80 (SU), 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	1443.100	39.55	-17.00	74.0	34.45	Peak	224.00	400	Horizontal	Pass
1**	1443.100	29.07	-17.00	54.0	24.93	AV	224.00	400	Horizontal	Pass
2	4008.000	49.52	-4.47	74.0	24.48	Peak	298.00	200	Horizontal	Pass
2**	4008.000	39.61	-4.47	54.0	14.39	AV	298.00	200	Horizontal	Pass
3	5206.000	105.55	-2.31	--	--	Peak	76.00	100	Horizontal	N/A
3**	5206.000	98.08	-2.31	--	--	AV	76.00	100	Horizontal	N/A
4	7350.175	49.12	-3.63	74.0	24.88	Peak	98.00	200	Horizontal	Pass
4**	7350.175	40.08	-3.63	54.0	13.92	AV	98.00	200	Horizontal	Pass
5	12271.887	52.78	1.51	74.0	21.22	Peak	81.00	200	Horizontal	Pass
5**	12271.887	44.10	1.51	54.0	9.90	AV	81.00	200	Horizontal	Pass
6	15839.100	56.17	1.45	74.0	17.83	Peak	152.00	400	Horizontal	Pass
6**	15839.100	46.47	1.45	54.0	7.53	AV	152.00	400	Horizontal	Pass

11ax80 (SU), 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	1586.400	39.19	-16.89	74.0	34.81	Peak	0.00	200	Vertical	Pass
1**	1586.400	29.41	-16.89	54.0	24.59	AV	0.00	200	Vertical	Pass
2	4378.800	50.59	-3.38	74.0	23.41	Peak	359.00	300	Vertical	Pass
2**	4378.800	41.09	-3.38	54.0	12.91	AV	359.00	300	Vertical	Pass
3	5212.400	95.07	-2.17	--	--	Peak	265.00	200	Vertical	N/A
3**	5212.400	87.96	-2.17	--	--	AV	265.00	200	Vertical	N/A
4	7337.238	49.28	-2.96	74.0	24.72	Peak	235.00	100	Vertical	Pass
4**	7337.238	40.56	-2.96	54.0	13.44	AV	235.00	100	Vertical	Pass
5	12232.500	52.94	1.23	74.0	21.06	Peak	155.00	200	Vertical	Pass
5**	12232.500	43.84	1.23	54.0	10.16	AV	155.00	200	Vertical	Pass
6	16045.162	55.90	0.74	74.0	18.10	Peak	108.00	400	Vertical	Pass
6**	16045.162	45.85	0.74	54.0	8.15	AV	108.00	400	Vertical	Pass

11ax160 (SU), 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	1504.800	38.86	-16.84	74.0	35.14	Peak	90.00	100	Horizontal	Pass
1**	1504.800	29.74	-16.84	54.0	24.26	AV	90.00	100	Horizontal	Pass
2	4379.200	49.50	-3.34	74.0	24.50	Peak	331.00	300	Horizontal	Pass
2**	4379.200	41.92	-3.34	54.0	12.08	AV	331.00	300	Horizontal	Pass
3	5222.600	100.26	-2.70	--	--	Peak	331.00	200	Horizontal	N/A
3**	5222.600	91.31	-2.70	--	--	AV	331.00	200	Horizontal	N/A
4	7627.900	49.66	-2.83	74.0	24.34	Peak	271.00	200	Horizontal	Pass
4**	7627.900	40.26	-2.83	54.0	13.74	AV	271.00	200	Horizontal	Pass
5	12273.037	53.66	1.55	74.0	20.34	Peak	45.00	150	Horizontal	Pass
5**	12273.037	43.51	1.55	54.0	10.49	AV	45.00	150	Horizontal	Pass
6	15841.988	55.88	1.42	74.0	18.12	Peak	346.00	300	Horizontal	Pass
6**	15841.988	46.23	1.42	54.0	7.77	AV	346.00	300	Horizontal	Pass

11ax160 (SU), 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	1556.500	38.93	-17.09	74.0	35.07	Peak	162.00	200	Vertical	Pass
1**	1556.500	29.88	-17.09	54.0	24.12	AV	162.00	200	Vertical	Pass
2	4387.200	50.24	-3.34	74.0	23.76	Peak	352.00	300	Vertical	Pass
2**	4387.200	42.11	-3.34	54.0	11.89	AV	352.00	300	Vertical	Pass
3	5265.800	90.42	-2.61	--	--	Peak	70.00	100	Vertical	N/A
3**	5265.800	80.44	-2.61	--	--	AV	70.00	100	Vertical	N/A
4	7407.100	50.12	-3.77	74.0	23.88	Peak	81.00	200	Vertical	Pass
4**	7407.100	39.92	-3.77	54.0	14.08	AV	81.00	200	Vertical	Pass
5	12613.724	53.30	1.88	74.0	20.70	Peak	64.00	150	Vertical	Pass
5**	12613.724	43.91	1.88	54.0	10.09	AV	64.00	150	Vertical	Pass
6	15813.112	55.71	2.10	74.0	18.29	Peak	167.00	200	Vertical	Pass
6**	15813.112	47.66	2.10	54.0	6.34	AV	167.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.100	39.31	-17.49	74.0	34.69	Peak	98.00	200	Horizontal	Pass
1**	1606.100	30.00	-17.49	54.0	24.00	AV	98.00	200	Horizontal	Pass
2	4391.600	50.51	-3.45	74.0	23.49	Peak	360.00	100	Horizontal	Pass
2**	4391.600	41.44	-3.45	54.0	12.56	AV	360.00	100	Horizontal	Pass
3	5746.000	113.24	-2.21	--	--	Peak	81.00	200	Horizontal	N/A
3**	5746.000	105.41	-2.21	--	--	AV	81.00	200	Horizontal	N/A
4	7343.275	49.48	-3.35	74.0	24.52	Peak	360.00	100	Horizontal	Pass
4**	7343.275	41.80	-3.35	54.0	12.20	AV	360.00	100	Horizontal	Pass
5	12234.800	53.10	1.16	74.0	20.90	Peak	63.00	100	Horizontal	Pass
5**	12234.800	43.20	1.16	54.0	10.80	AV	63.00	100	Horizontal	Pass
6	16074.037	55.49	1.50	74.0	18.51	Peak	64.00	200	Horizontal	Pass
6**	16074.037	45.94	1.50	54.0	8.06	AV	64.00	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	1503.100	39.04	-17.01	74.0	34.96	Peak	232.00	200	Vertical	Pass
1**	1503.100	29.34	-17.01	54.0	24.66	AV	232.00	200	Vertical	Pass
2	3993.200	51.30	-4.36	74.0	22.70	Peak	61.00	300	Vertical	Pass
2**	3993.200	39.23	-4.36	54.0	14.77	AV	61.00	300	Vertical	Pass
3	5743.600	104.05	-2.09	--	--	Peak	258.00	150	Vertical	N/A
3**	5743.600	97.19	-2.09	--	--	AV	258.00	150	Vertical	N/A
4	7446.488	49.80	-3.15	74.0	24.20	Peak	248.00	100	Vertical	Pass
4**	7446.488	40.46	-3.15	54.0	13.54	AV	248.00	100	Vertical	Pass
5	12278.500	53.02	1.75	74.0	20.98	Peak	190.00	200	Vertical	Pass
5**	12278.500	44.19	1.75	54.0	9.81	AV	190.00	200	Vertical	Pass
6	15843.826	56.44	1.39	74.0	17.56	Peak	326.00	200	Vertical	Pass
6**	15843.826	47.07	1.39	54.0	6.93	AV	326.00	200	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	1493.500	39.34	-16.88	74.0	34.66	Peak	278.00	200	Horizontal	Pass
1**	1493.500	29.24	-16.88	54.0	24.76	AV	278.00	200	Horizontal	Pass
2	4390.400	50.25	-3.30	74.0	23.75	Peak	213.00	100	Horizontal	Pass
2**	4390.400	41.89	-3.30	54.0	12.11	AV	213.00	100	Horizontal	Pass
3	5784.000	112.33	-1.57	--	--	Peak	81.00	200	Horizontal	N/A
3**	5784.000	105.34	-1.57	--	--	AV	81.00	200	Horizontal	N/A
4	7623.300	49.69	-3.03	74.0	24.31	Peak	330.00	200	Horizontal	Pass
4**	7623.300	40.12	-3.03	54.0	13.88	AV	330.00	200	Horizontal	Pass
5	11957.363	52.94	1.05	74.0	21.06	Peak	29.00	100	Horizontal	Pass
5**	11957.363	43.55	1.05	54.0	10.45	AV	29.00	100	Horizontal	Pass
6	15821.776	55.64	1.79	74.0	18.36	Peak	34.00	200	Horizontal	Pass
6**	15821.776	46.14	1.79	54.0	7.86	AV	34.00	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	1498.900	40.58	-17.14	74.0	33.42	Peak	182.00	300	Vertical	Pass
1**	1498.900	29.22	-17.14	54.0	24.78	AV	182.00	300	Vertical	Pass
2	4389.600	50.75	-3.34	74.0	23.25	Peak	205.00	400	Vertical	Pass
2**	4389.600	41.81	-3.34	54.0	12.19	AV	205.00	400	Vertical	Pass
3	5786.400	104.43	-1.65	--	--	Peak	259.00	100	Vertical	N/A
3**	5786.400	97.57	-1.65	--	--	AV	259.00	100	Vertical	N/A
4	7342.125	49.63	-3.19	74.0	24.37	Peak	312.00	200	Vertical	Pass
4**	7342.125	40.46	-3.19	54.0	13.54	AV	312.00	200	Vertical	Pass
5	12612.287	52.75	1.88	74.0	21.25	Peak	0.00	100	Vertical	Pass
5**	12612.287	43.16	1.88	54.0	10.84	AV	0.00	100	Vertical	Pass
6	15818.888	54.92	1.92	74.0	19.08	Peak	0.00	400	Vertical	Pass
6**	15818.888	46.38	1.92	54.0	7.62	AV	0.00	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	1622.600	39.01	-16.93	74.0	34.99	Peak	0.00	200	Horizontal	Pass
1**	1622.600	30.17	-16.93	54.0	23.83	AV	0.00	200	Horizontal	Pass
2	4389.400	50.22	-3.35	74.0	23.78	Peak	57.00	400	Horizontal	Pass
2**	4389.400	41.65	-3.35	54.0	12.35	AV	57.00	400	Horizontal	Pass
3	5823.000	111.33	-2.13	--	--	Peak	258.00	150	Horizontal	N/A
3**	5823.000	104.29	-2.13	--	--	AV	258.00	150	Horizontal	N/A
4	7331.487	49.35	-3.34	74.0	24.65	Peak	0.00	100	Horizontal	Pass
4**	7331.487	40.46	-3.34	54.0	13.54	AV	0.00	100	Horizontal	Pass
5	12312.138	53.48	1.38	74.0	20.52	Peak	186.00	200	Horizontal	Pass
5**	12312.138	43.82	1.38	54.0	10.18	AV	186.00	200	Horizontal	Pass
6	16040.175	56.21	0.80	74.0	17.79	Peak	215.00	100	Horizontal	Pass
6**	16040.175	46.31	0.80	54.0	7.69	AV	215.00	100	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	1542.200	38.63	-17.18	74.0	35.37	Peak	304.00	300	Vertical	Pass
1**	1542.200	30.05	-17.18	54.0	23.95	AV	304.00	300	Vertical	Pass
2	4377.000	49.80	-3.71	74.0	24.20	Peak	311.00	200	Vertical	Pass
2**	4377.000	40.66	-3.71	54.0	13.34	AV	311.00	200	Vertical	Pass
3	5823.800	104.41	-2.13	--	--	Peak	52.00	100	Vertical	N/A
3**	5823.800	97.72	-2.13	--	--	AV	52.00	100	Vertical	N/A
4	7623.587	49.80	-3.02	74.0	24.20	Peak	129.00	400	Vertical	Pass
4**	7623.587	39.54	-3.02	54.0	14.46	AV	129.00	400	Vertical	Pass
5	11947.013	53.74	1.48	74.0	20.26	Peak	261.00	200	Vertical	Pass
5**	11947.013	43.58	1.48	54.0	10.42	AV	261.00	200	Vertical	Pass
6	16084.537	56.52	1.54	74.0	17.48	Peak	286.00	400	Vertical	Pass
6**	16084.537	46.03	1.54	54.0	7.97	AV	286.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1535.400	39.22	-17.05	74.0	34.78	Peak	326.00	100	Horizontal	Pass
1**	1535.400	29.63	-17.05	54.0	24.37	AV	326.00	100	Horizontal	Pass
2	4231.800	49.69	-3.82	74.0	24.31	Peak	68.00	300	Horizontal	Pass
2**	4231.800	41.71	-3.82	54.0	12.29	AV	68.00	300	Horizontal	Pass
3	5743.200	111.63	-2.13	--	--	Peak	91.00	150	Horizontal	N/A
3**	5743.200	104.87	-2.13	--	--	AV	91.00	150	Horizontal	N/A
4	7337.812	49.60	-2.88	74.0	24.40	Peak	236.00	300	Horizontal	Pass
4**	7337.812	41.37	-2.88	54.0	12.63	AV	236.00	300	Horizontal	Pass
5	12267.288	53.36	1.36	74.0	20.64	Peak	102.00	200	Horizontal	Pass
5**	12267.288	44.10	1.36	54.0	9.90	AV	102.00	200	Horizontal	Pass
6	16114.201	55.56	0.70	74.0	18.44	Peak	40.00	300	Horizontal	Pass
6**	16114.201	45.04	0.70	54.0	8.96	AV	40.00	300	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	1496.900	41.09	-16.96	74.0	32.91	Peak	181.00	400	Vertical	Pass
1**	1496.900	29.31	-16.96	54.0	24.69	AV	181.00	400	Vertical	Pass
2	4388.000	50.45	-3.39	74.0	23.55	Peak	0.00	300	Vertical	Pass
2**	4388.000	40.82	-3.39	54.0	13.18	AV	0.00	300	Vertical	Pass
3	5746.200	103.20	-2.21	--	--	Peak	200.00	200	Vertical	N/A
3**	5746.200	96.10	-2.21	--	--	AV	200.00	200	Vertical	N/A
4	7671.888	49.53	-2.45	74.0	24.47	Peak	17.00	400	Vertical	Pass
4**	7671.888	39.89	-2.45	54.0	14.11	AV	17.00	400	Vertical	Pass
5	12410.463	52.95	1.44	74.0	21.05	Peak	343.00	150	Vertical	Pass
5**	12410.463	43.39	1.44	54.0	10.61	AV	343.00	150	Vertical	Pass
6	15969.299	55.44	0.39	74.0	18.56	Peak	0.00	100	Vertical	Pass
6**	15969.299	44.70	0.39	54.0	9.30	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.600	39.87	-17.15	74.0	34.13	Peak	133.00	200	Horizontal	Pass
1**	1534.600	29.67	-17.15	54.0	24.33	AV	133.00	200	Horizontal	Pass
2	4379.600	50.21	-3.30	74.0	23.79	Peak	22.00	400	Horizontal	Pass
2**	4379.600	41.99	-3.30	54.0	12.01	AV	22.00	400	Horizontal	Pass
3	5786.400	111.04	-1.65	--	--	Peak	90.00	150	Horizontal	N/A
3**	5786.400	103.99	-1.65	--	--	AV	90.00	150	Horizontal	N/A
4	7349.887	50.19	-3.65	74.0	23.81	Peak	45.00	200	Horizontal	Pass
4**	7349.887	40.30	-3.65	54.0	13.70	AV	45.00	200	Horizontal	Pass
5	11922.288	53.55	1.51	74.0	20.45	Peak	120.00	100	Horizontal	Pass
5**	11922.288	43.12	1.51	54.0	10.88	AV	120.00	100	Horizontal	Pass
6	16023.375	55.47	0.62	74.0	18.53	Peak	20.00	400	Horizontal	Pass
6**	16023.375	46.90	0.62	54.0	7.10	AV	20.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.600	39.80	-16.85	74.0	34.20	Peak	184.00	300	Vertical	Pass
1**	1495.600	31.20	-16.85	54.0	22.80	AV	184.00	300	Vertical	Pass
2	4379.600	50.27	-3.30	74.0	23.73	Peak	333.00	200	Vertical	Pass
2**	4379.600	41.92	-3.30	54.0	12.08	AV	333.00	200	Vertical	Pass
3	5786.600	103.44	-1.66	--	--	Peak	258.00	200	Vertical	N/A
3**	5786.600	95.66	-1.66	--	--	AV	258.00	200	Vertical	N/A
4	7341.263	49.81	-3.09	74.0	24.19	Peak	180.00	300	Vertical	Pass
4**	7341.263	41.11	-3.09	54.0	12.89	AV	180.00	300	Vertical	Pass
5	11212.450	54.08	-0.20	74.0	19.92	Peak	3.00	100	Vertical	Pass
5**	11212.450	42.91	-0.20	54.0	11.09	AV	3.00	100	Vertical	Pass
6	16099.500	56.03	1.21	74.0	17.97	Peak	124.00	100	Vertical	Pass
6**	16099.500	46.31	1.21	54.0	7.69	AV	124.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.200	38.86	-17.05	74.0	35.14	Peak	272.00	300	Horizontal	Pass
1**	1482.200	29.62	-17.05	54.0	24.38	AV	272.00	300	Horizontal	Pass
2	4381.200	50.33	-3.52	74.0	23.67	Peak	187.00	300	Horizontal	Pass
2**	4381.200	42.14	-3.52	54.0	11.86	AV	187.00	300	Horizontal	Pass
3	5823.400	109.96	-2.13	--	--	Peak	104.00	100	Horizontal	N/A
3**	5823.400	102.69	-2.13	--	--	AV	104.00	100	Horizontal	N/A
4	7344.712	50.89	-3.48	74.0	23.11	Peak	282.00	100	Horizontal	Pass
4**	7344.712	39.90	-3.48	54.0	14.10	AV	282.00	100	Horizontal	Pass
5	12407.875	53.26	1.46	74.0	20.74	Peak	61.00	100	Horizontal	Pass
5**	12407.875	43.49	1.46	54.0	10.51	AV	61.00	100	Horizontal	Pass
6	16028.363	55.34	0.70	74.0	18.66	Peak	20.00	300	Horizontal	Pass
6**	16028.363	46.35	0.70	54.0	7.65	AV	20.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.000	39.94	-17.07	74.0	34.06	Peak	190.00	200	Vertical	Pass
1**	1588.000	29.59	-17.07	54.0	24.41	AV	190.00	200	Vertical	Pass
2	3995.600	50.30	-4.35	74.0	23.70	Peak	122.00	300	Vertical	Pass
2**	3995.600	40.02	-4.35	54.0	13.98	AV	122.00	300	Vertical	Pass
3	5823.400	102.92	-2.13	--	--	Peak	38.00	100	Vertical	N/A
3**	5823.400	96.18	-2.13	--	--	AV	38.00	100	Vertical	N/A
4	7402.500	49.85	-3.80	74.0	24.15	Peak	151.00	200	Vertical	Pass
4**	7402.500	40.42	-3.80	54.0	13.58	AV	151.00	200	Vertical	Pass
5	11531.000	53.33	-0.55	74.0	20.67	Peak	52.00	150	Vertical	Pass
5**	11531.000	43.50	-0.55	54.0	10.50	AV	52.00	150	Vertical	Pass
6	16168.275	55.66	1.11	74.0	18.34	Peak	16.00	200	Vertical	Pass
6**	16168.275	45.82	1.11	54.0	8.18	AV	16.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1545.300	39.75	-17.23	74.0	34.25	Peak	298.00	400	Horizontal	Pass
1**	1545.300	29.38	-17.23	54.0	24.62	AV	298.00	400	Horizontal	Pass
2	4387.200	50.64	-3.34	74.0	23.36	Peak	78.00	200	Horizontal	Pass
2**	4387.200	41.76	-3.34	54.0	12.24	AV	78.00	200	Horizontal	Pass
3	5757.600	109.66	-1.72	--	--	Peak	91.00	150	Horizontal	N/A
3**	5757.600	102.34	-1.72	--	--	AV	91.00	150	Horizontal	N/A
4	7549.125	49.83	-2.70	74.0	24.17	Peak	197.00	300	Horizontal	Pass
4**	7549.125	39.80	-2.70	54.0	14.20	AV	197.00	300	Horizontal	Pass
5	11378.912	53.43	-0.29	74.0	20.57	Peak	178.00	200	Horizontal	Pass
5**	11378.912	41.84	-0.29	54.0	12.16	AV	178.00	200	Horizontal	Pass
6	15837.263	56.11	1.45	74.0	17.89	Peak	155.00	400	Horizontal	Pass
6**	15837.263	46.44	1.45	54.0	7.56	AV	155.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.700	39.19	-16.86	74.0	34.81	Peak	267.00	100	Vertical	Pass
1**	1494.700	29.88	-16.86	54.0	24.12	AV	267.00	100	Vertical	Pass
2	4389.200	51.09	-3.36	74.0	22.91	Peak	138.00	100	Vertical	Pass
2**	4389.200	41.85	-3.36	54.0	12.15	AV	138.00	100	Vertical	Pass
3	5752.600	101.39	-1.93	--	--	Peak	201.00	150	Vertical	N/A
3**	5752.600	93.82	-1.93	--	--	AV	201.00	150	Vertical	N/A
4	7450.800	49.23	-3.19	74.0	24.77	Peak	212.00	400	Vertical	Pass
4**	7450.800	40.08	-3.19	54.0	13.92	AV	212.00	400	Vertical	Pass
5	12236.812	53.06	1.12	74.0	20.94	Peak	186.00	200	Vertical	Pass
5**	12236.812	43.59	1.12	54.0	10.41	AV	186.00	200	Vertical	Pass
6	16103.700	56.57	1.04	74.0	17.43	Peak	170.00	300	Vertical	Pass
6**	16103.700	46.34	1.04	54.0	7.66	AV	170.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.600	38.74	-16.79	74.0	35.26	Peak	0.00	400	Horizontal	Pass
1**	1488.600	30.47	-16.79	54.0	23.53	AV	0.00	400	Horizontal	Pass
2	4385.000	50.44	-3.47	74.0	23.56	Peak	224.00	300	Horizontal	Pass
2**	4385.000	41.73	-3.47	54.0	12.27	AV	224.00	300	Horizontal	Pass
3	5787.400	107.83	-1.68	--	--	Peak	87.00	200	Horizontal	N/A
3**	5787.400	100.61	-1.68	--	--	AV	87.00	200	Horizontal	N/A
4	7337.812	49.91	-2.88	74.0	24.09	Peak	360.00	300	Horizontal	Pass
4**	7337.812	41.07	-2.88	54.0	12.93	AV	360.00	300	Horizontal	Pass
5	12284.537	53.09	1.78	74.0	20.91	Peak	347.00	100	Horizontal	Pass
5**	12284.537	43.99	1.78	54.0	10.01	AV	347.00	100	Horizontal	Pass
6	15841.988	55.71	1.42	74.0	18.29	Peak	104.00	300	Horizontal	Pass
6**	15841.988	46.25	1.42	54.0	7.75	AV	104.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.000	39.05	-17.40	74.0	34.95	Peak	94.00	300	Vertical	Pass
1**	1599.000	29.84	-17.40	54.0	24.16	AV	94.00	300	Vertical	Pass
2	4235.600	50.19	-4.12	74.0	23.81	Peak	244.00	100	Vertical	Pass
2**	4235.600	40.20	-4.12	54.0	13.80	AV	244.00	100	Vertical	Pass
3	5793.400	100.50	-1.80	--	--	Peak	256.00	150	Vertical	N/A
3**	5793.400	92.50	-1.80	--	--	AV	256.00	150	Vertical	N/A
4	7357.650	49.27	-3.80	74.0	24.73	Peak	174.00	300	Vertical	Pass
4**	7357.650	41.75	-3.80	54.0	12.25	AV	174.00	300	Vertical	Pass
5	12442.375	53.33	1.79	74.0	20.67	Peak	336.00	200	Vertical	Pass
5**	12442.375	43.60	1.79	54.0	10.40	AV	336.00	200	Vertical	Pass
6	15647.475	55.85	1.21	74.0	18.15	Peak	185.00	200	Vertical	Pass
6**	15647.475	46.73	1.21	54.0	7.27	AV	185.00	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	1562.200	39.27	-16.76	74.0	34.73	Peak	258.00	300	Horizontal	Pass
1**	1562.200	29.22	-16.76	54.0	24.78	AV	258.00	300	Horizontal	Pass
2	4389.200	50.12	-3.36	74.0	23.88	Peak	173.00	200	Horizontal	Pass
2**	4389.200	41.65	-3.36	54.0	12.35	AV	173.00	200	Horizontal	Pass
3	5744.000	111.89	-2.06	--	--	Peak	83.00	100	Horizontal	N/A
3**	5744.000	104.89	-2.06	--	--	AV	83.00	100	Horizontal	N/A
4	7443.900	49.44	-3.26	74.0	24.56	Peak	65.00	100	Horizontal	Pass
4**	7443.900	42.13	-3.26	54.0	11.87	AV	65.00	100	Horizontal	Pass
5	12308.112	53.23	1.38	74.0	20.77	Peak	312.00	200	Horizontal	Pass
5**	12308.112	43.40	1.38	54.0	10.60	AV	312.00	200	Horizontal	Pass
6	15841.724	56.05	1.42	74.0	17.95	Peak	260.00	100	Horizontal	Pass
6**	15841.724	46.69	1.42	54.0	7.31	AV	260.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.700	41.06	-17.11	74.0	32.94	Peak	252.00	100	Vertical	Pass
1**	1497.700	31.42	-17.11	54.0	22.58	AV	252.00	100	Vertical	Pass
2	4382.800	51.01	-3.64	74.0	22.99	Peak	96.00	100	Vertical	Pass
2**	4382.800	40.85	-3.64	54.0	13.15	AV	96.00	100	Vertical	Pass
3	5745.800	103.69	-2.19	--	--	Peak	265.00	200	Vertical	N/A
3**	5745.800	96.03	-2.19	--	--	AV	265.00	200	Vertical	N/A
4	7275.713	49.25	-3.00	74.0	24.75	Peak	257.00	400	Vertical	Pass
4**	7275.713	39.74	-3.00	54.0	14.26	AV	257.00	400	Vertical	Pass
5	12238.537	53.48	1.09	74.0	20.52	Peak	10.00	200	Vertical	Pass
5**	12238.537	43.41	1.09	54.0	10.59	AV	10.00	200	Vertical	Pass
6	15844.350	55.62	1.38	74.0	18.38	Peak	157.00	200	Vertical	Pass
6**	15844.350	47.21	1.38	54.0	6.79	AV	157.00	200	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	1501.200	38.93	-16.92	74.0	35.07	Peak	344.00	100	Horizontal	Pass
1**	1501.200	30.20	-16.92	54.0	23.80	AV	344.00	100	Horizontal	Pass
2	4381.000	51.63	-3.49	74.0	22.37	Peak	358.00	300	Horizontal	Pass
2**	4381.000	42.33	-3.49	54.0	11.67	AV	358.00	300	Horizontal	Pass
3	5782.400	112.31	-1.35	--	--	Peak	89.00	100	Horizontal	N/A
3**	5782.400	105.33	-1.35	--	--	AV	89.00	100	Horizontal	N/A
4	7333.500	49.98	-3.12	74.0	24.02	Peak	216.00	100	Horizontal	Pass
4**	7333.500	40.60	-3.12	54.0	13.40	AV	216.00	100	Horizontal	Pass
5	12615.737	52.56	1.86	74.0	21.44	Peak	56.00	100	Horizontal	Pass
5**	12615.737	43.62	1.86	54.0	10.38	AV	56.00	100	Horizontal	Pass
6	16196.888	55.64	1.59	74.0	18.36	Peak	360.00	300	Horizontal	Pass
6**	16196.888	46.81	1.59	54.0	7.19	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.700	40.08	-16.78	74.0	33.92	Peak	195.00	400	Vertical	Pass
1**	1561.700	29.49	-16.78	54.0	24.51	AV	195.00	400	Vertical	Pass
2	4285.600	49.91	-4.28	74.0	24.09	Peak	153.00	200	Vertical	Pass
2**	4285.600	40.84	-4.28	54.0	13.16	AV	153.00	200	Vertical	Pass
3	5785.800	104.06	-1.64	--	--	Peak	257.00	100	Vertical	N/A
3**	5785.800	96.81	-1.64	--	--	AV	257.00	100	Vertical	N/A
4	7642.850	49.02	-2.99	74.0	24.98	Peak	187.00	300	Vertical	Pass
4**	7642.850	39.56	-2.99	54.0	14.44	AV	187.00	300	Vertical	Pass
5	12421.387	52.81	1.40	74.0	21.19	Peak	166.00	100	Vertical	Pass
5**	12421.387	43.45	1.40	54.0	10.55	AV	166.00	100	Vertical	Pass
6	15782.138	56.07	1.65	74.0	17.93	Peak	338.00	400	Vertical	Pass
6**	15782.138	47.27	1.65	54.0	6.73	AV	338.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.300	39.35	-17.00	74.0	34.65	Peak	306.00	100	Horizontal	Pass
1**	1587.300	29.69	-17.00	54.0	24.31	AV	306.00	100	Horizontal	Pass
2	4382.800	50.62	-3.64	74.0	23.38	Peak	196.00	100	Horizontal	Pass
2**	4382.800	41.01	-3.64	54.0	12.99	AV	196.00	100	Horizontal	Pass
3	5822.800	109.93	-2.13	--	--	Peak	99.00	100	Horizontal	N/A
3**	5822.800	102.88	-2.13	--	--	AV	99.00	100	Horizontal	N/A
4	7722.775	49.50	-2.60	74.0	24.50	Peak	310.00	400	Horizontal	Pass
4**	7722.775	40.50	-2.60	54.0	13.50	AV	310.00	400	Horizontal	Pass
5	12333.987	52.89	1.36	74.0	21.11	Peak	327.00	100	Horizontal	Pass
5**	12333.987	43.10	1.36	54.0	10.90	AV	327.00	100	Horizontal	Pass
6	15669.787	56.10	1.42	74.0	17.90	Peak	342.00	300	Horizontal	Pass
6**	15669.787	46.41	1.42	54.0	7.59	AV	342.00	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	1516.900	39.02	-17.16	74.0	34.98	Peak	252.00	400	Vertical	Pass
1**	1516.900	29.41	-17.16	54.0	24.59	AV	252.00	400	Vertical	Pass
2	4266.600	50.02	-4.66	74.0	23.98	Peak	157.00	400	Vertical	Pass
2**	4266.600	40.43	-4.66	54.0	13.57	AV	157.00	400	Vertical	Pass
3	5823.800	104.27	-2.13	--	--	Peak	45.00	100	Vertical	N/A
3**	5823.800	97.83	-2.13	--	--	AV	45.00	100	Vertical	N/A
4	7356.788	50.05	-3.82	74.0	23.95	Peak	273.00	100	Vertical	Pass
4**	7356.788	40.46	-3.82	54.0	13.54	AV	273.00	100	Vertical	Pass
5	12620.625	53.26	1.77	74.0	20.74	Peak	58.00	200	Vertical	Pass
5**	12620.625	43.81	1.77	54.0	10.19	AV	58.00	200	Vertical	Pass
6	15782.400	55.87	1.67	74.0	18.13	Peak	171.00	400	Vertical	Pass
6**	15782.400	46.00	1.67	54.0	8.00	AV	171.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1553.500	38.89	-17.19	74.0	35.11	Peak	209.00	100	Horizontal	Pass
1**	1553.500	29.67	-17.19	54.0	24.33	AV	209.00	100	Horizontal	Pass
2	4384.200	51.34	-3.61	74.0	22.66	Peak	83.00	300	Horizontal	Pass
2**	4384.200	40.65	-3.61	54.0	13.35	AV	83.00	300	Horizontal	Pass
3	5753.200	109.83	-2.03	--	--	Peak	93.00	200	Horizontal	N/A
3**	5753.200	102.92	-2.03	--	--	AV	93.00	200	Horizontal	N/A
4	7617.838	49.48	-2.71	74.0	24.52	Peak	228.00	100	Horizontal	Pass
4**	7617.838	39.72	-2.71	54.0	14.28	AV	228.00	100	Horizontal	Pass
5	12331.400	53.80	1.40	74.0	20.20	Peak	26.00	200	Horizontal	Pass
5**	12331.400	43.44	1.40	54.0	10.56	AV	26.00	200	Horizontal	Pass
6	16100.813	55.94	1.16	74.0	18.06	Peak	111.00	400	Horizontal	Pass
6**	16100.813	46.40	1.16	54.0	7.60	AV	111.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.000	39.16	-16.84	74.0	34.84	Peak	344.00	200	Vertical	Pass
1**	1496.000	29.39	-16.84	54.0	24.61	AV	344.00	200	Vertical	Pass
2	4384.200	50.60	-3.61	74.0	23.40	Peak	342.00	300	Vertical	Pass
2**	4384.200	41.10	-3.61	54.0	12.90	AV	342.00	300	Vertical	Pass
3	5752.600	101.66	-1.93	--	--	Peak	198.00	200	Vertical	N/A
3**	5752.600	93.64	-1.93	--	--	AV	198.00	200	Vertical	N/A
4	7731.975	49.82	-2.28	74.0	24.18	Peak	50.00	300	Vertical	Pass
4**	7731.975	40.50	-2.28	54.0	13.50	AV	50.00	300	Vertical	Pass
5	12281.088	53.06	1.80	74.0	20.94	Peak	67.00	100	Vertical	Pass
5**	12281.088	44.23	1.80	54.0	9.77	AV	67.00	100	Vertical	Pass
6	15792.113	55.91	2.08	74.0	18.09	Peak	360.00	100	Vertical	Pass
6**	15792.113	46.81	2.08	54.0	7.19	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.500	38.97	-16.95	74.0	35.03	Peak	272.00	400	Horizontal	Pass
1**	1584.500	30.30	-16.95	54.0	23.70	AV	272.00	400	Horizontal	Pass
2	4366.200	50.18	-3.86	74.0	23.82	Peak	104.00	100	Horizontal	Pass
2**	4366.200	41.75	-3.86	54.0	12.25	AV	104.00	100	Horizontal	Pass
3	5797.800	108.51	-1.69	--	--	Peak	93.00	150	Horizontal	N/A
3**	5797.800	100.69	-1.69	--	--	AV	93.00	150	Horizontal	N/A
4	7629.338	49.19	-2.94	74.0	24.81	Peak	312.00	400	Horizontal	Pass
4**	7629.338	40.09	-2.94	54.0	13.91	AV	312.00	400	Horizontal	Pass
5	12229.913	52.98	1.30	74.0	21.02	Peak	280.00	100	Horizontal	Pass
5**	12229.913	43.67	1.30	54.0	10.33	AV	280.00	100	Horizontal	Pass
6	15795.262	56.08	2.18	74.0	17.92	Peak	152.00	400	Horizontal	Pass
6**	15795.262	46.40	2.18	54.0	7.60	AV	152.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.000	39.02	-16.98	74.0	34.98	Peak	357.00	100	Vertical	Pass
1**	1497.000	29.31	-16.98	54.0	24.69	AV	357.00	100	Vertical	Pass
2	4381.000	50.23	-3.49	74.0	23.77	Peak	175.00	200	Vertical	Pass
2**	4381.000	41.23	-3.49	54.0	12.77	AV	175.00	200	Vertical	Pass
3	5796.800	99.94	-1.71	--	--	Peak	40.00	150	Vertical	N/A
3**	5796.800	92.05	-1.71	--	--	AV	40.00	150	Vertical	N/A
4	7333.212	49.81	-3.14	74.0	24.19	Peak	226.00	100	Vertical	Pass
4**	7333.212	40.49	-3.14	54.0	13.51	AV	226.00	100	Vertical	Pass
5	11950.175	53.37	1.39	74.0	20.63	Peak	329.00	100	Vertical	Pass
5**	11950.175	43.61	1.39	54.0	10.39	AV	329.00	100	Vertical	Pass
6	15846.187	55.25	1.36	74.0	18.75	Peak	0.00	100	Vertical	Pass
6**	15846.187	46.87	1.36	54.0	7.13	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1461.200	38.94	-17.21	74.0	35.06	Peak	302.00	200	Horizontal	Pass
1**	1461.200	29.29	-17.21	54.0	24.71	AV	302.00	200	Horizontal	Pass
2	4392.000	51.10	-3.50	74.0	22.90	Peak	29.00	400	Horizontal	Pass
2**	4392.000	41.53	-3.50	54.0	12.47	AV	29.00	400	Horizontal	Pass
3	5771.400	106.36	-1.93	--	--	Peak	86.00	200	Horizontal	N/A
3**	5771.400	98.40	-1.93	--	--	AV	86.00	200	Horizontal	N/A
4	7669.587	49.92	-2.67	74.0	24.08	Peak	231.00	400	Horizontal	Pass
4**	7669.587	39.84	-2.67	54.0	14.16	AV	231.00	400	Horizontal	Pass
5	12598.200	52.61	1.86	74.0	21.39	Peak	91.00	200	Horizontal	Pass
5**	12598.200	43.98	1.86	54.0	10.02	AV	91.00	200	Horizontal	Pass
6	15791.325	55.96	2.05	74.0	18.04	Peak	0.00	400	Horizontal	Pass
6**	15791.325	45.56	2.05	54.0	8.44	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.200	39.33	-16.87	74.0	34.67	Peak	341.00	400	Vertical	Pass
1**	1494.200	29.31	-16.87	54.0	24.69	AV	341.00	400	Vertical	Pass
2	4367.000	49.98	-3.82	74.0	24.02	Peak	60.00	400	Vertical	Pass
2**	4367.000	40.75	-3.82	54.0	13.25	AV	60.00	400	Vertical	Pass
3	5781.000	98.75	-1.58	--	--	Peak	49.00	150	Vertical	N/A
3**	5781.000	91.29	-1.58	--	--	AV	49.00	150	Vertical	N/A
4	7281.462	49.44	-3.21	74.0	24.56	Peak	176.00	400	Vertical	Pass
4**	7281.462	40.39	-3.21	54.0	13.61	AV	176.00	400	Vertical	Pass
5	11954.487	53.55	1.19	74.0	20.45	Peak	160.00	200	Vertical	Pass
5**	11954.487	43.53	1.19	54.0	10.47	AV	160.00	200	Vertical	Pass
6	16147.276	55.44	1.02	74.0	18.56	Peak	346.00	300	Vertical	Pass
6**	16147.276	47.00	1.02	54.0	7.00	AV	346.00	300	Vertical	Pass

11ax20 (SU), 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	1550.300	39.09	-17.24	74.0	34.91	Peak	317.00	300	Horizontal	Pass
1**	1550.300	28.67	-17.24	54.0	25.33	AV	317.00	300	Horizontal	Pass
2	4381.400	49.52	-3.56	74.0	24.48	Peak	240.00	400	Horizontal	Pass
2**	4381.400	40.80	-3.56	54.0	13.20	AV	240.00	400	Horizontal	Pass
3	5742.600	112.13	-2.19	--	--	Peak	92.00	150	Horizontal	N/A
3**	5742.600	103.56	-2.19	--	--	AV	92.00	150	Horizontal	N/A
4	7338.675	49.92	-2.91	74.0	24.08	Peak	191.00	200	Horizontal	Pass
4**	7338.675	40.67	-2.91	54.0	13.33	AV	191.00	200	Horizontal	Pass
5	11778.250	53.03	1.25	74.0	20.97	Peak	347.00	100	Horizontal	Pass
5**	11778.250	42.76	1.25	54.0	11.24	AV	347.00	100	Horizontal	Pass
6	15844.350	55.59	1.38	74.0	18.41	Peak	18.00	200	Horizontal	Pass
6**	15844.350	46.48	1.38	54.0	7.52	AV	18.00	200	Horizontal	Pass

11ax20 (SU), 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	1503.000	40.23	-17.02	74.0	33.77	Peak	154.00	300	Vertical	Pass
1**	1503.000	29.90	-17.02	54.0	24.10	AV	154.00	300	Vertical	Pass
2	4385.800	50.08	-3.33	74.0	23.92	Peak	108.00	200	Vertical	Pass
2**	4385.800	41.25	-3.33	54.0	12.75	AV	108.00	200	Vertical	Pass
3	5738.600	103.63	-2.10	--	--	Peak	57.00	200	Vertical	N/A
3**	5738.600	95.12	-2.10	--	--	AV	57.00	200	Vertical	N/A
4	7504.563	49.83	-3.04	74.0	24.17	Peak	157.00	300	Vertical	Pass
4**	7504.563	40.18	-3.04	54.0	13.82	AV	157.00	300	Vertical	Pass
5	11936.950	53.40	1.69	74.0	20.60	Peak	305.00	150	Vertical	Pass
5**	11936.950	43.75	1.69	54.0	10.25	AV	305.00	150	Vertical	Pass
6	16148.588	56.04	1.00	74.0	17.96	Peak	135.00	200	Vertical	Pass
6**	16148.588	45.81	1.00	54.0	8.19	AV	135.00	200	Vertical	Pass

11ax20 (SU), 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	1621.100	38.78	-17.01	74.0	35.22	Peak	329.00	400	Horizontal	Pass
1**	1621.100	29.55	-17.01	54.0	24.45	AV	329.00	400	Horizontal	Pass
2	4379.800	50.20	-3.28	74.0	23.80	Peak	255.00	200	Horizontal	Pass
2**	4379.800	41.79	-3.28	54.0	12.21	AV	255.00	200	Horizontal	Pass
3	5781.600	111.83	-1.45	--	--	Peak	87.00	200	Horizontal	N/A
3**	5781.600	104.28	-1.45	--	--	AV	87.00	200	Horizontal	N/A
4	7361.962	49.40	-3.82	74.0	24.60	Peak	165.00	100	Horizontal	Pass
4**	7361.962	39.72	-3.82	54.0	14.28	AV	165.00	100	Horizontal	Pass
5	12605.963	53.38	1.91	74.0	20.62	Peak	165.00	150	Horizontal	Pass
5**	12605.963	43.01	1.91	54.0	10.99	AV	165.00	150	Horizontal	Pass
6	15641.962	55.47	1.31	74.0	18.53	Peak	0.00	100	Horizontal	Pass
6**	15641.962	46.46	1.31	54.0	7.54	AV	0.00	100	Horizontal	Pass

11ax20 (SU), 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	1447.800	39.61	-17.20	74.0	34.39	Peak	137.00	300	Vertical	Pass
1**	1447.800	29.37	-17.20	54.0	24.63	AV	137.00	300	Vertical	Pass
2	4394.000	50.42	-3.78	74.0	23.58	Peak	171.00	300	Vertical	Pass
2**	4394.000	40.73	-3.78	54.0	13.27	AV	171.00	300	Vertical	Pass
3	5782.400	103.63	-1.35	--	--	Peak	207.00	150	Vertical	N/A
3**	5782.400	96.83	-1.35	--	--	AV	207.00	150	Vertical	N/A
4	7320.275	49.47	-3.07	74.0	24.53	Peak	115.00	400	Vertical	Pass
4**	7320.275	39.76	-3.07	54.0	14.24	AV	115.00	400	Vertical	Pass
5	12316.450	53.05	1.41	74.0	20.95	Peak	115.00	200	Vertical	Pass
5**	12316.450	43.78	1.41	54.0	10.22	AV	115.00	200	Vertical	Pass
6	15665.849	55.94	1.35	74.0	18.06	Peak	186.00	400	Vertical	Pass
6**	15665.849	46.24	1.35	54.0	7.76	AV	186.00	400	Vertical	Pass

11ax20 (SU), 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	1536.600	39.05	-16.89	74.0	34.95	Peak	314.00	400	Horizontal	Pass
1**	1536.600	29.99	-16.89	54.0	24.01	AV	314.00	400	Horizontal	Pass
2	4385.800	50.08	-3.33	74.0	23.92	Peak	0.00	300	Horizontal	Pass
2**	4385.800	41.50	-3.33	54.0	12.50	AV	0.00	300	Horizontal	Pass
3	5827.200	111.76	-1.96	--	--	Peak	263.00	200	Horizontal	N/A
3**	5827.200	102.56	-1.96	--	--	AV	263.00	200	Horizontal	N/A
4	7353.050	48.82	-3.82	74.0	25.18	Peak	40.00	300	Horizontal	Pass
4**	7353.050	40.15	-3.82	54.0	13.85	AV	40.00	300	Horizontal	Pass
5	12235.375	52.84	1.15	74.0	21.16	Peak	305.00	150	Horizontal	Pass
5**	12235.375	43.75	1.15	54.0	10.25	AV	305.00	150	Horizontal	Pass
6	16009.463	55.83	0.43	74.0	18.17	Peak	151.00	100	Horizontal	Pass
6**	16009.463	46.68	0.43	54.0	7.32	AV	151.00	100	Horizontal	Pass

11ax20 (SU), 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	1494.800	39.47	-16.86	74.0	34.53	Peak	194.00	100	Vertical	Pass
1**	1494.800	30.01	-16.86	54.0	23.99	AV	194.00	100	Vertical	Pass
2	4387.000	50.14	-3.33	74.0	23.86	Peak	163.00	200	Vertical	Pass
2**	4387.000	41.70	-3.33	54.0	12.30	AV	163.00	200	Vertical	Pass
3	5825.400	104.13	-2.08	--	--	Peak	44.00	100	Vertical	N/A
3**	5825.400	95.33	-2.08	--	--	AV	44.00	100	Vertical	N/A
4	7625.312	49.76	-2.86	74.0	24.24	Peak	217.00	200	Vertical	Pass
4**	7625.312	40.61	-2.86	54.0	13.39	AV	217.00	200	Vertical	Pass
5	12444.675	53.02	1.81	74.0	20.98	Peak	217.00	100	Vertical	Pass
5**	12444.675	43.82	1.81	54.0	10.18	AV	217.00	100	Vertical	Pass
6	15842.775	55.94	1.40	74.0	18.06	Peak	360.00	200	Vertical	Pass
6**	15842.775	46.86	1.40	54.0	7.14	AV	360.00	200	Vertical	Pass

11ax40 (SU), 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	1622.700	39.56	-16.94	74.0	34.44	Peak	165.00	400	Horizontal	Pass
1**	1622.700	29.57	-16.94	54.0	24.43	AV	165.00	400	Horizontal	Pass
2	4379.800	50.12	-3.28	74.0	23.88	Peak	63.00	300	Horizontal	Pass
2**	4379.800	42.03	-3.28	54.0	11.97	AV	63.00	300	Horizontal	Pass
3	5745.400	111.05	-2.16	--	--	Peak	90.00	200	Horizontal	N/A
3**	5745.400	100.08	-2.16	--	--	AV	90.00	200	Horizontal	N/A
4	7535.325	49.47	-3.03	74.0	24.53	Peak	35.00	100	Horizontal	Pass
4**	7535.325	39.86	-3.03	54.0	14.14	AV	35.00	100	Horizontal	Pass
5	11938.675	53.24	1.69	74.0	20.76	Peak	127.00	200	Horizontal	Pass
5**	11938.675	43.88	1.69	54.0	10.12	AV	127.00	200	Horizontal	Pass
6	15803.400	56.25	2.29	74.0	17.75	Peak	17.00	100	Horizontal	Pass
6**	15803.400	46.91	2.29	54.0	7.09	AV	17.00	100	Horizontal	Pass

11ax40 (SU), 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	1494.000	40.21	-16.87	74.0	33.79	Peak	204.00	400	Vertical	Pass
1**	1494.000	29.65	-16.87	54.0	24.35	AV	204.00	400	Vertical	Pass
2	4390.600	50.51	-3.33	74.0	23.49	Peak	20.00	100	Vertical	Pass
2**	4390.600	41.98	-3.33	54.0	12.02	AV	20.00	100	Vertical	Pass
3	5759.800	101.57	-1.64	--	--	Peak	172.00	200	Vertical	N/A
3**	5759.800	93.36	-1.64	--	--	AV	172.00	200	Vertical	N/A
4	7681.375	49.42	-2.62	74.0	24.58	Peak	162.00	100	Vertical	Pass
4**	7681.375	40.12	-2.62	54.0	13.88	AV	162.00	100	Vertical	Pass
5	12600.500	53.03	1.90	74.0	20.97	Peak	0.00	150	Vertical	Pass
5**	12600.500	43.00	1.90	54.0	11.00	AV	0.00	150	Vertical	Pass
6	15801.562	55.99	2.31	74.0	18.01	Peak	285.00	200	Vertical	Pass
6**	15801.562	47.19	2.31	54.0	6.81	AV	285.00	200	Vertical	Pass

11ax40 (SU), 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	1527.400	38.91	-17.12	74.0	35.09	Peak	258.00	300	Horizontal	Pass
1**	1527.400	30.38	-17.12	54.0	23.62	AV	258.00	300	Horizontal	Pass
2	4385.600	49.71	-3.36	74.0	24.29	Peak	303.00	100	Horizontal	Pass
2**	4385.600	42.00	-3.36	54.0	12.00	AV	303.00	100	Horizontal	Pass
3	5798.600	109.71	-1.66	--	--	Peak	94.00	200	Horizontal	N/A
3**	5798.600	100.46	-1.66	--	--	AV	94.00	200	Horizontal	N/A
4	7731.687	49.27	-2.33	74.0	24.73	Peak	66.00	200	Horizontal	Pass
4**	7731.687	40.72	-2.33	54.0	13.28	AV	66.00	200	Horizontal	Pass
5	12600.500	52.64	1.90	74.0	21.36	Peak	135.00	200	Horizontal	Pass
5**	12600.500	42.99	1.90	54.0	11.01	AV	135.00	200	Horizontal	Pass
6	15788.438	55.19	1.94	74.0	18.81	Peak	19.00	200	Horizontal	Pass
6**	15788.438	45.00	1.94	54.0	9.00	AV	19.00	200	Horizontal	Pass

11ax40 (SU), 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	1499.000	39.30	-17.12	74.0	34.70	Peak	191.00	300	Vertical	Pass
1**	1499.000	29.56	-17.12	54.0	24.44	AV	191.00	300	Vertical	Pass
2	4377.400	50.39	-3.58	74.0	23.61	Peak	275.00	300	Vertical	Pass
2**	4377.400	41.58	-3.58	54.0	12.42	AV	275.00	300	Vertical	Pass
3	5796.200	101.54	-1.69	--	--	Peak	167.00	200	Vertical	N/A
3**	5796.200	93.16	-1.69	--	--	AV	167.00	200	Vertical	N/A
4	7411.700	49.50	-3.81	74.0	24.50	Peak	0.00	100	Vertical	Pass
4**	7411.700	39.84	-3.81	54.0	14.16	AV	0.00	100	Vertical	Pass
5	12245.437	53.75	1.01	74.0	20.25	Peak	73.00	150	Vertical	Pass
5**	12245.437	43.34	1.01	54.0	10.66	AV	73.00	150	Vertical	Pass
6	16108.162	55.37	0.84	74.0	18.63	Peak	132.00	400	Vertical	Pass
6**	16108.162	45.95	0.84	54.0	8.05	AV	132.00	400	Vertical	Pass

11ax80 (SU), 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	1511.100	38.88	-17.20	74.0	35.12	Peak	141.00	100	Horizontal	Pass
1**	1511.100	29.23	-17.20	54.0	24.77	AV	141.00	100	Horizontal	Pass
2	4381.600	50.36	-3.59	74.0	23.64	Peak	153.00	300	Horizontal	Pass
2**	4381.600	41.46	-3.59	54.0	12.54	AV	153.00	300	Horizontal	Pass
3	5776.000	106.50	-2.03	--	--	Peak	86.00	100	Horizontal	N/A
3**	5776.000	97.18	-2.03	--	--	AV	86.00	100	Horizontal	N/A
4	7464.312	49.05	-3.50	74.0	24.95	Peak	225.00	100	Horizontal	Pass
4**	7464.312	40.66	-3.50	54.0	13.34	AV	225.00	100	Horizontal	Pass
5	12283.963	53.04	1.78	74.0	20.96	Peak	7.00	200	Horizontal	Pass
5**	12283.963	43.83	1.78	54.0	10.17	AV	7.00	200	Horizontal	Pass
6	15611.250	55.59	1.32	74.0	18.41	Peak	204.00	300	Horizontal	Pass
6**	15611.250	46.00	1.32	54.0	8.00	AV	204.00	300	Horizontal	Pass

11ax80 (SU), 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	1583.800	39.10	-17.07	74.0	34.90	Peak	6.00	100	Vertical	Pass
1**	1583.800	29.59	-17.07	54.0	24.41	AV	6.00	100	Vertical	Pass
2	4378.600	50.05	-3.40	74.0	23.95	Peak	20.00	200	Vertical	Pass
2**	4378.600	40.97	-3.40	54.0	13.03	AV	20.00	200	Vertical	Pass
3	5779.000	97.17	-1.97	--	--	Peak	256.00	150	Vertical	N/A
3**	5779.000	89.63	-1.97	--	--	AV	256.00	150	Vertical	N/A
4	7612.087	49.28	-2.98	74.0	24.72	Peak	211.00	300	Vertical	Pass
4**	7612.087	39.69	-2.98	54.0	14.31	AV	211.00	300	Vertical	Pass
5	10905.687	52.92	0.17	74.0	21.08	Peak	0.00	200	Vertical	Pass
5**	10905.687	42.44	0.17	54.0	11.56	AV	0.00	200	Vertical	Pass
6	15816.526	55.89	2.00	74.0	18.11	Peak	248.00	300	Vertical	Pass
6**	15816.526	46.30	2.00	54.0	7.70	AV	248.00	300	Vertical	Pass

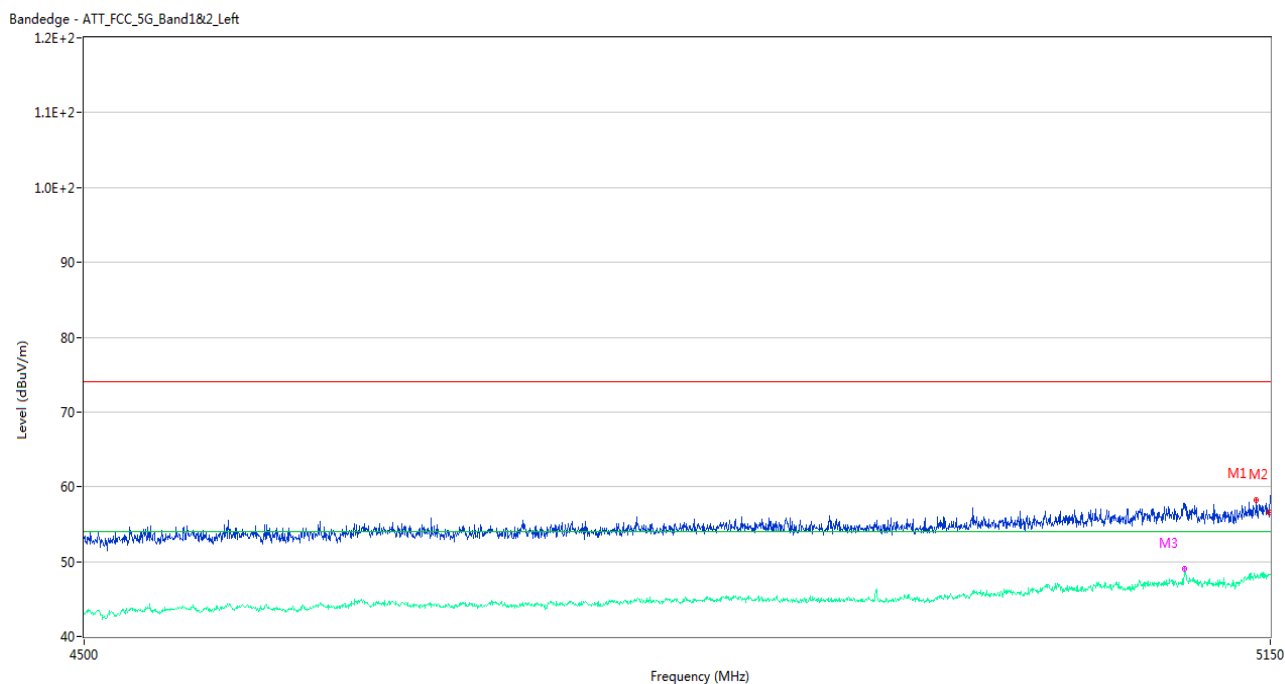
A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
	802.11ac(VHT160)	Middle	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
	802.11ax(HE40) (SU)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
	802.11ax(HE40) (SU)	Low	Pass
		High	Pass
	802.11ax(HE80) (SU)	Middle	Pass

Note: All antenna were pre tested, but only the worst case has been reported in this report.

SISO-0 Test Data and Plots

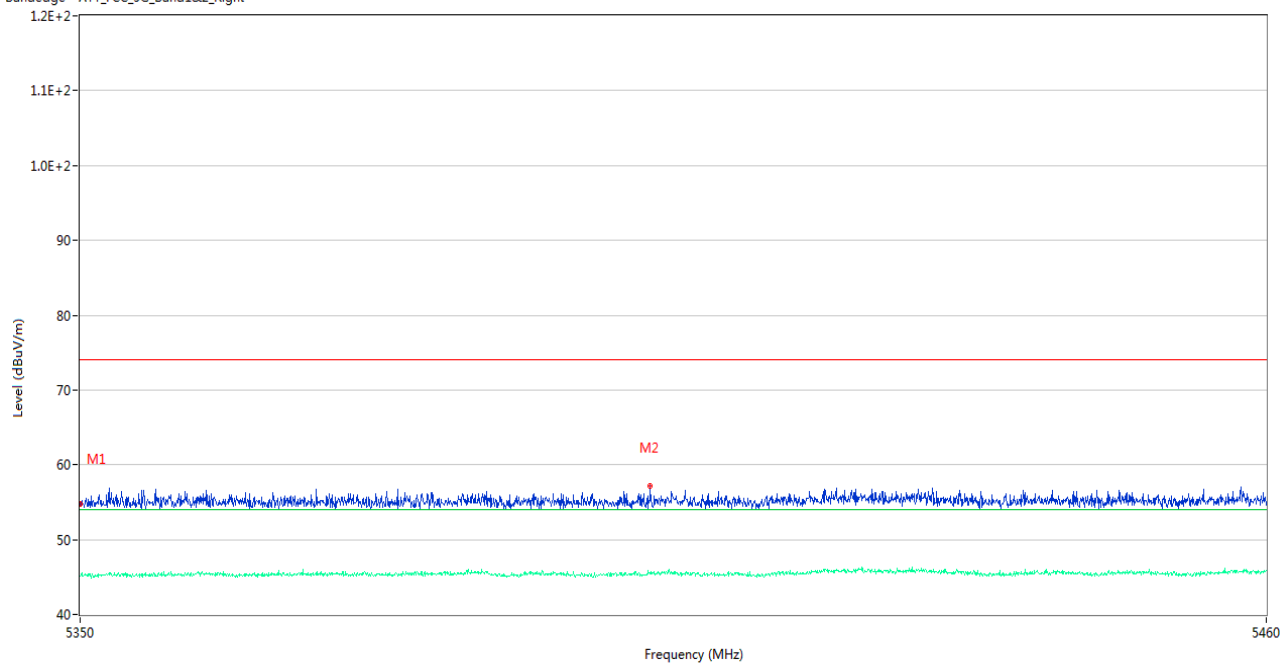
U-NII-1 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5141.875	58.26	2.42	74.0	15.74	Peak	68.00	200	Horizontal	Pass
1**	5141.875	47.91	2.42	54.0	6.09	AV	68.00	200	Horizontal	Pass
2	5149.675	56.51	2.07	74.0	17.49	Peak	65.00	100	Horizontal	Pass
2**	5149.675	48.23	2.07	54.0	5.77	AV	65.00	100	Horizontal	Pass
3	5100.275	57.14	2.36	74.0	16.86	Peak	54.00	150	Horizontal	Pass
3**	5100.275	48.98	2.36	54.0	5.02	AV	54.00	150	Horizontal	Pass

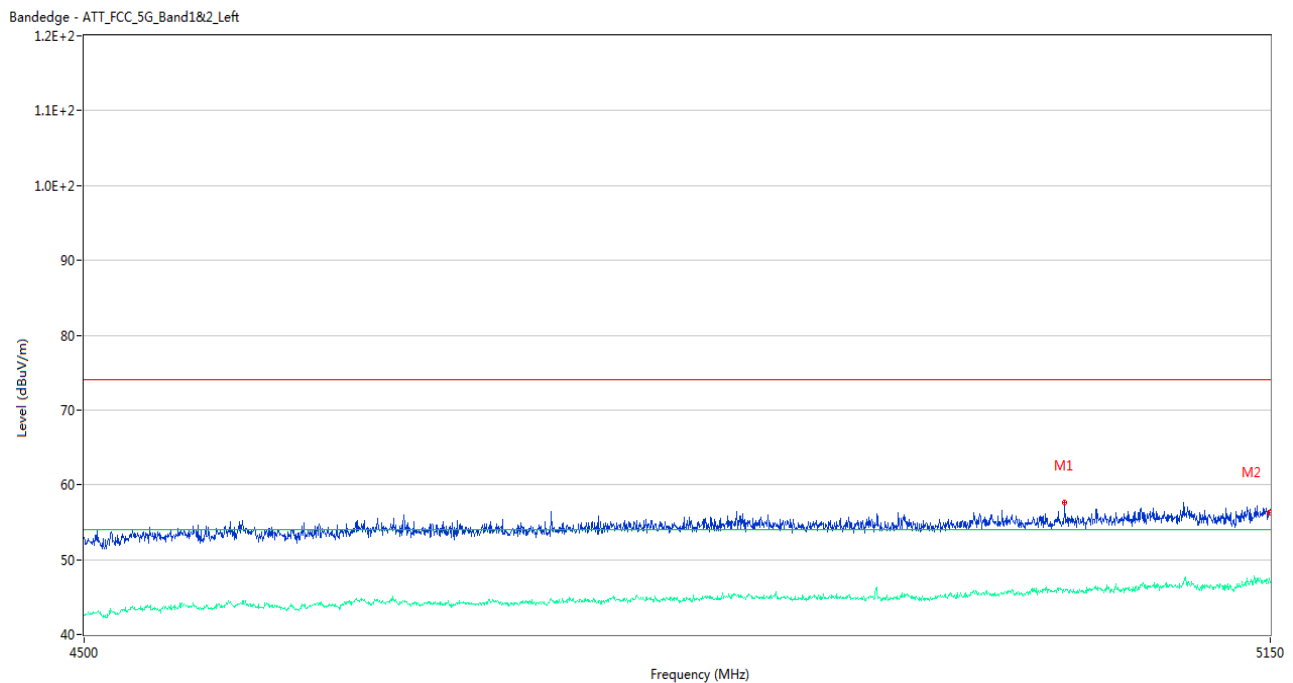
U-NII-1 11a High Channel

Bandedge - ATT_FCC_5G_Band1&2_Right



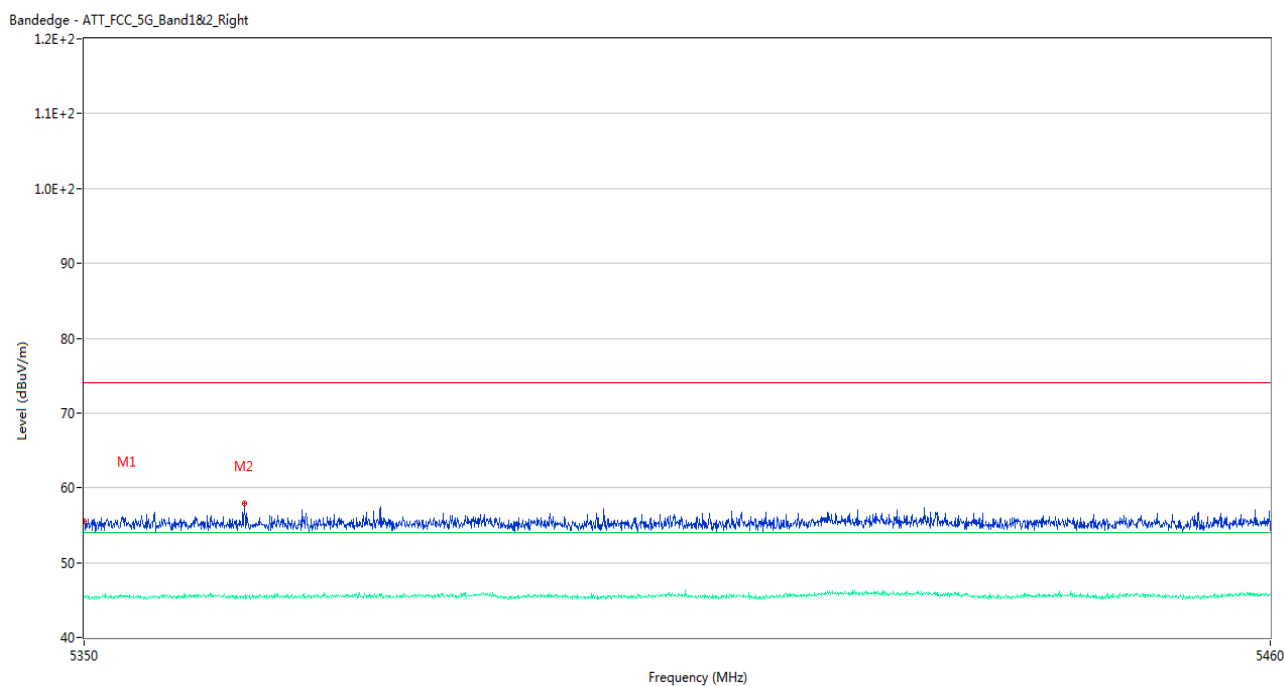
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.80	1.93	74.0	19.20	Peak	13.00	150	Horizontal	Pass
1**	5350.000	45.12	1.93	54.0	8.88	AV	13.00	150	Horizontal	Pass
2	5402.580	57.23	2.02	74.0	16.77	Peak	352.00	200	Horizontal	Pass
2**	5402.580	45.54	2.02	54.0	8.46	AV	352.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5031.050	57.58	2.08	74.0	16.42	Peak	62.00	200	Horizontal	Pass
1**	5031.050	45.71	2.08	54.0	8.29	AV	62.00	200	Horizontal	Pass
2	5149.675	56.32	2.07	74.0	17.68	Peak	77.00	150	Horizontal	Pass
2**	5149.675	47.36	2.07	54.0	6.64	AV	77.00	150	Horizontal	Pass

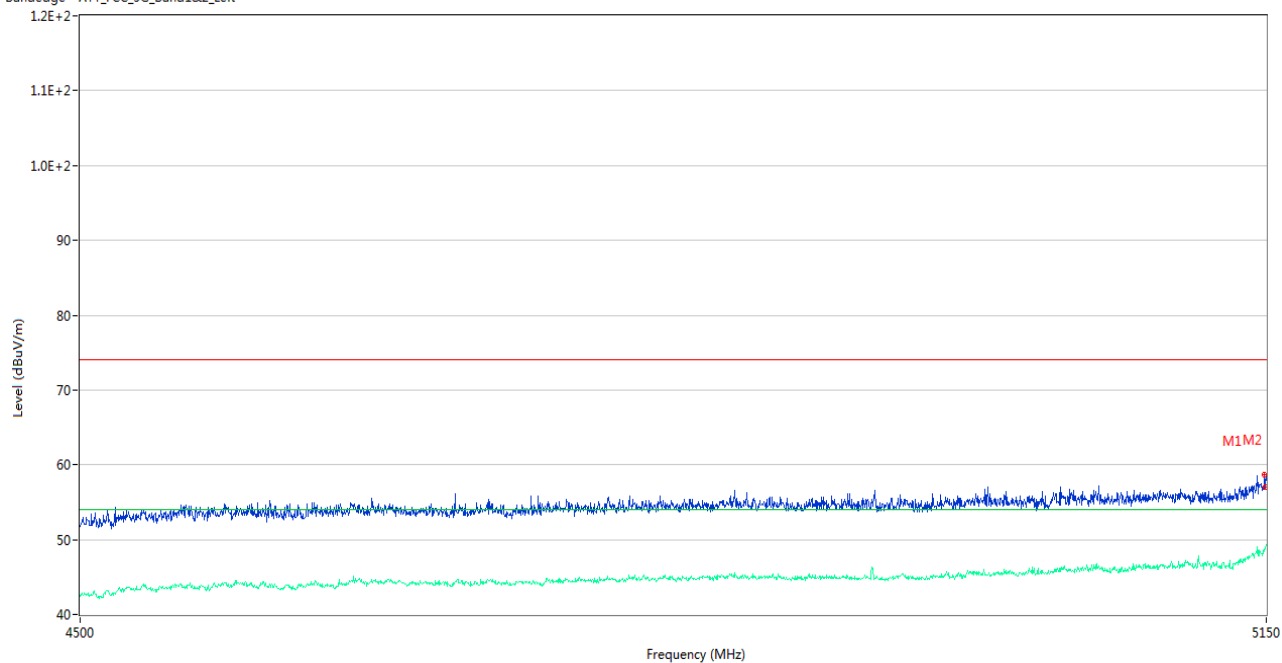
U-NII-1 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.50	1.93	74.0	18.50	Peak	120.00	150	Horizontal	Pass
1**	5350.000	45.35	1.93	54.0	8.65	AV	120.00	150	Horizontal	Pass
2	5364.740	57.91	2.15	74.0	16.09	Peak	227.00	100	Horizontal	Pass
2**	5364.740	45.50	2.15	54.0	8.50	AV	227.00	100	Horizontal	Pass

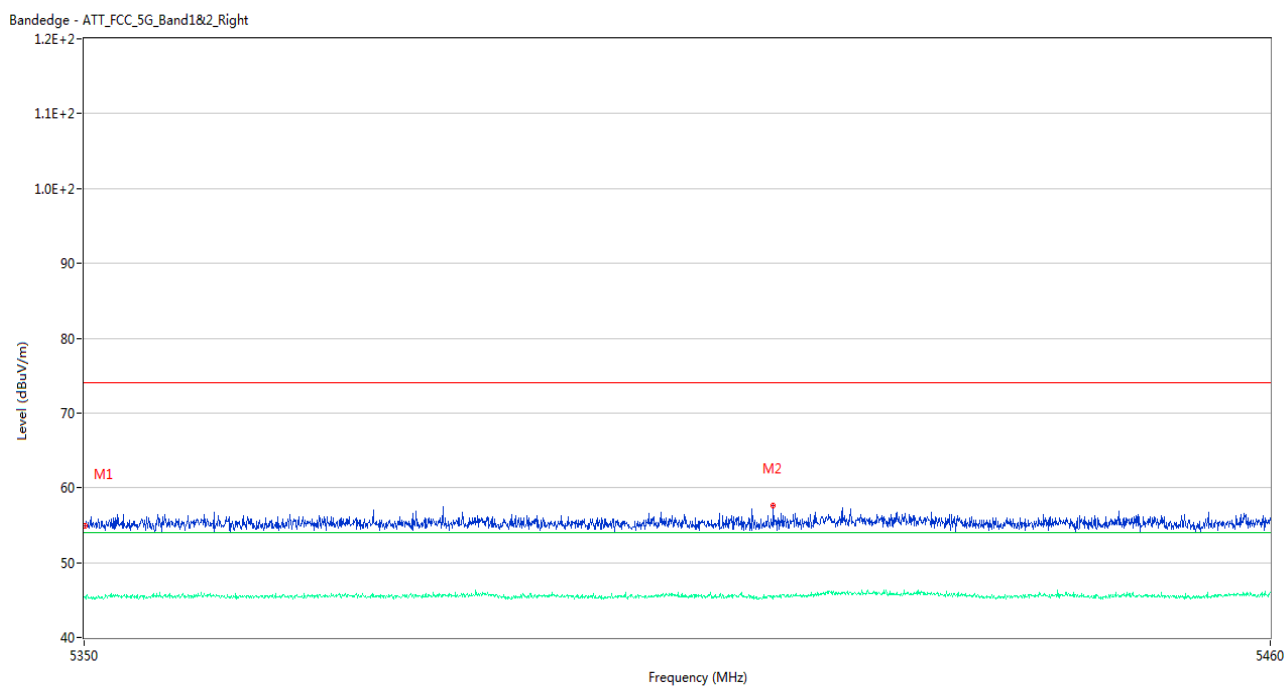
U-NII-1 11n40 Low Channel

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	5149.025	58.65	2.02	74.0	15.35	Peak	61.00	100	Horizontal	Pass
1**	5149.025	48.75	2.02	54.0	5.25	AV	61.00	100	Horizontal	Pass
2	5149.675	57.01	2.07	74.0	16.99	Peak	64.00	100	Horizontal	Pass
2**	5149.675	48.68	2.07	54.0	5.32	AV	64.00	100	Horizontal	Pass

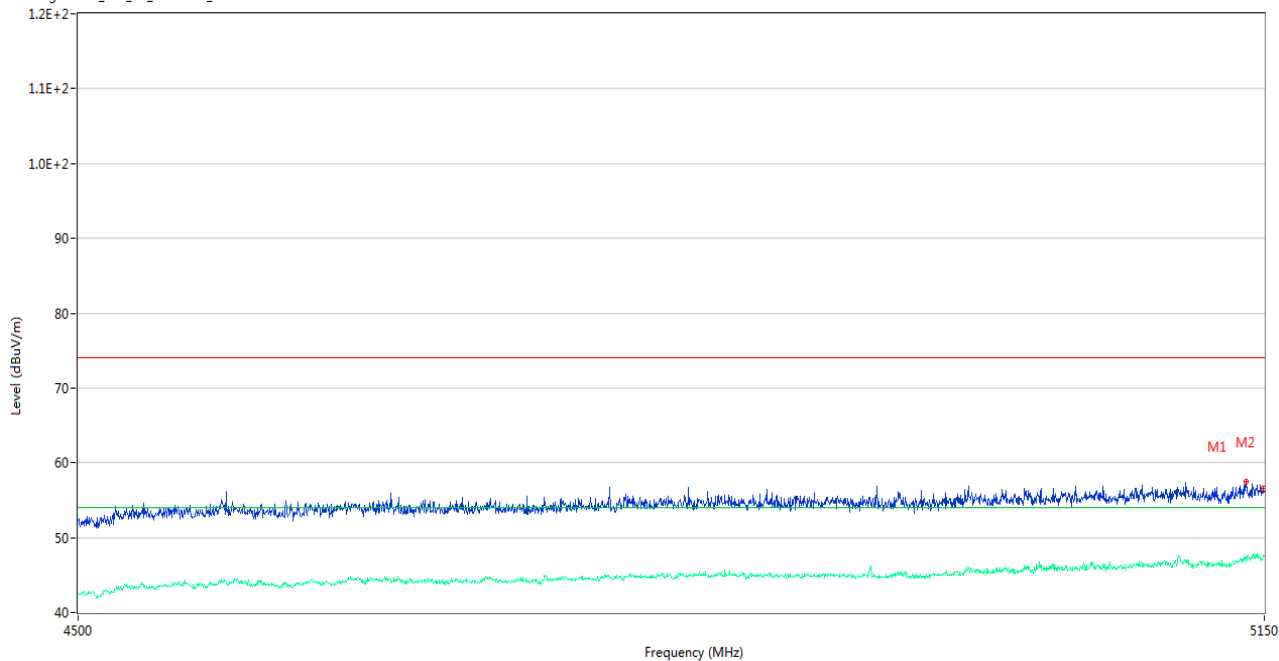
U-NII-1 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.85	1.93	74.0	19.15	Peak	0.00	200	Horizontal	Pass
1**	5350.055	45.36	1.93	54.0	8.64	AV	0.00	200	Horizontal	Pass
2	5413.635	57.60	2.00	74.0	16.40	Peak	207.00	200	Horizontal	Pass
2**	5413.635	45.56	2.00	54.0	8.44	AV	207.00	200	Horizontal	Pass

U-NII-1 11ac20 Low Channel

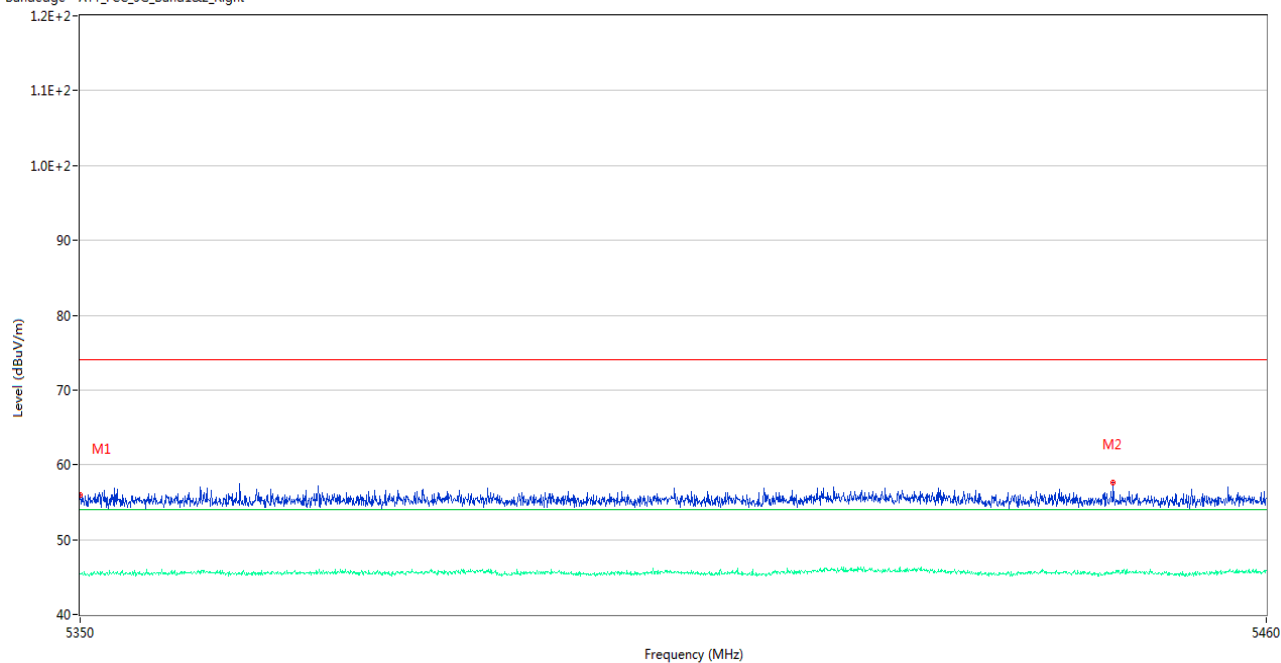
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5139.600	57.51	2.37	74.0	16.49	Peak	70.00	200	Horizontal	Pass
1**	5139.600	47.39	2.37	54.0	6.61	AV	70.00	200	Horizontal	Pass
2	5149.675	56.59	2.07	74.0	17.41	Peak	73.00	100	Horizontal	Pass
2**	5149.675	47.68	2.07	54.0	6.32	AV	73.00	100	Horizontal	Pass

U-NII-1 11ac20 High Channel

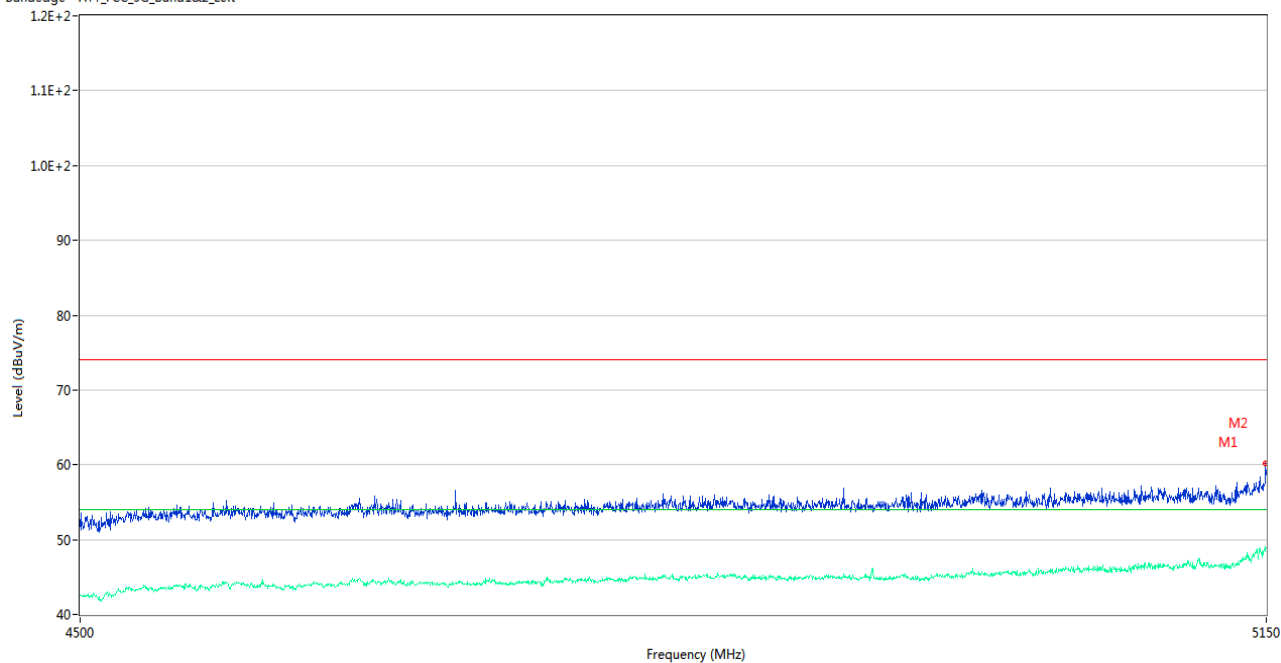
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.93	1.93	74.0	18.07	Peak	132.00	200	Horizontal	Pass
1**	5350.000	45.46	1.93	54.0	8.54	AV	132.00	200	Horizontal	Pass
2	5445.700	57.70	2.29	74.0	16.30	Peak	97.00	200	Horizontal	Pass
2**	5445.700	45.57	2.29	54.0	8.43	AV	97.00	200	Horizontal	Pass

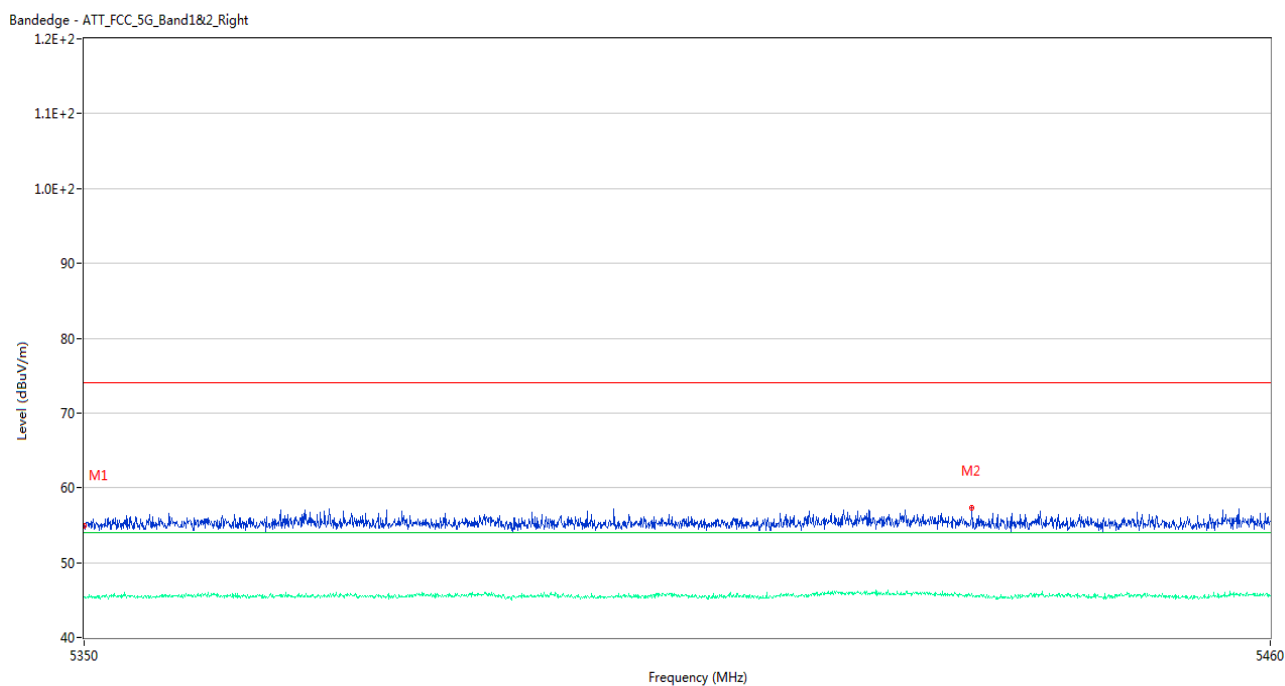
U-NII-1 11ac40 Low Channel

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	5149.675	60.24	2.07	74.0	13.76	Peak	65.00	200	Horizontal	Pass
1**	5149.675	49.09	2.07	54.0	4.91	AV	65.00	200	Horizontal	Pass
2	5149.675	60.24	2.07	74.0	13.76	Peak	65.00	200	Horizontal	Pass
2**	5149.675	49.09	2.07	54.0	4.91	AV	65.00	200	Horizontal	Pass

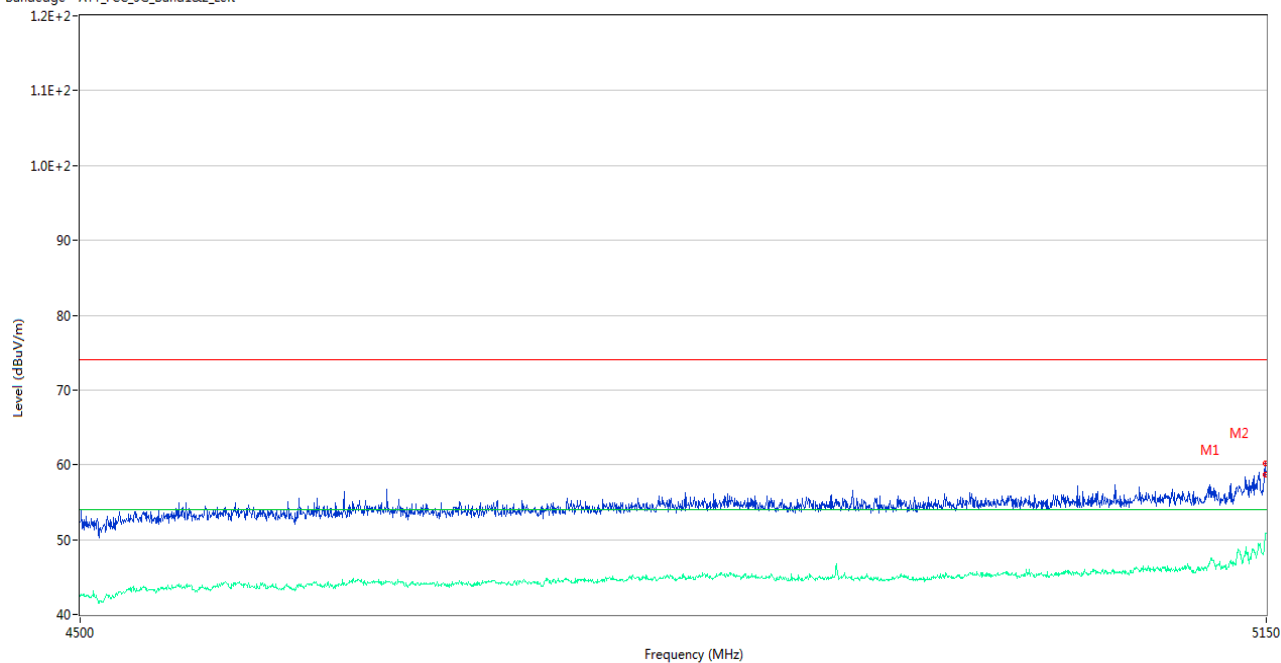
U-NII-1 11ac40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.97	1.93	74.0	19.03	Peak	210.00	150	Horizontal	Pass
1**	5350.000	45.48	1.93	54.0	8.52	AV	210.00	150	Horizontal	Pass
2	5432.115	57.35	2.22	74.0	16.65	Peak	261.00	150	Horizontal	Pass
2**	5432.115	45.95	2.22	54.0	8.05	AV	261.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

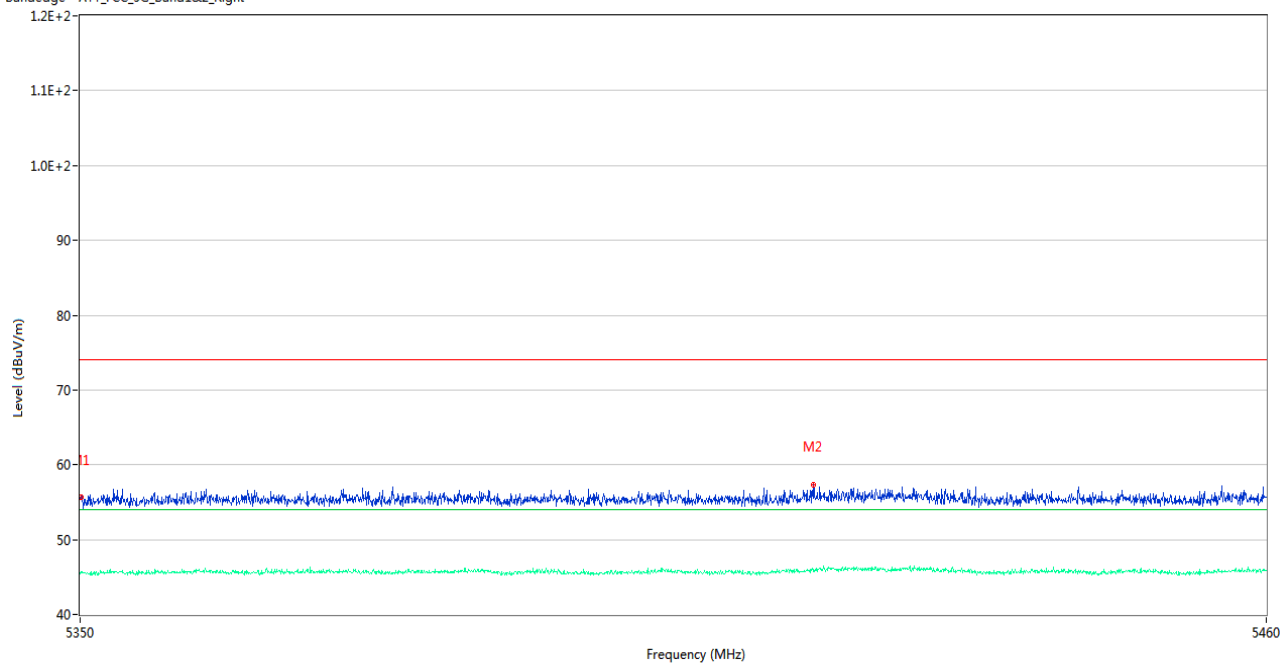
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.350	60.19	2.05	74.0	13.81	Peak	86.00	150	Horizontal	Pass
1**	5149.350	50.38	2.05	54.0	3.62	AV	86.00	150	Horizontal	Pass
2	5149.675	58.73	2.07	74.0	15.27	Peak	86.00	100	Horizontal	Pass
2**	5149.675	50.77	2.07	54.0	3.23	AV	86.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel

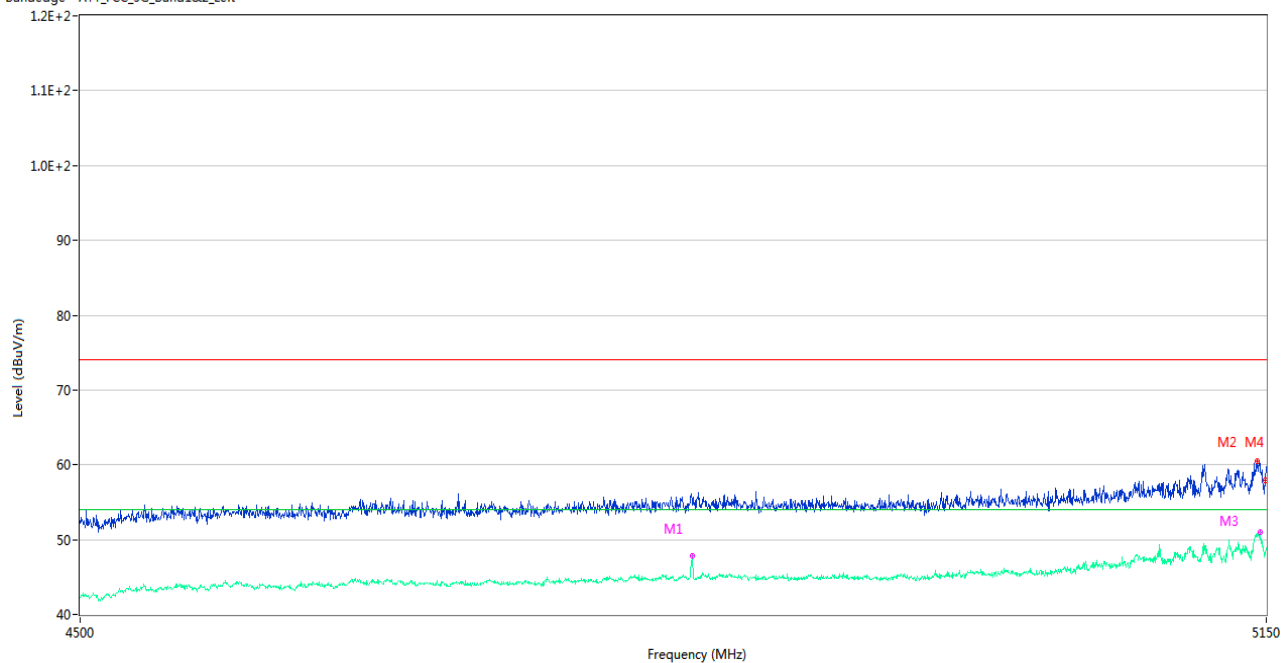
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.68	1.93	74.0	18.32	Peak	82.00	100	Horizontal	Pass
1**	5350.055	45.80	1.93	54.0	8.20	AV	82.00	100	Horizontal	Pass
2	5417.760	57.40	2.30	74.0	16.60	Peak	109.00	100	Horizontal	Pass
2**	5417.760	46.10	2.30	54.0	7.90	AV	109.00	100	Horizontal	Pass

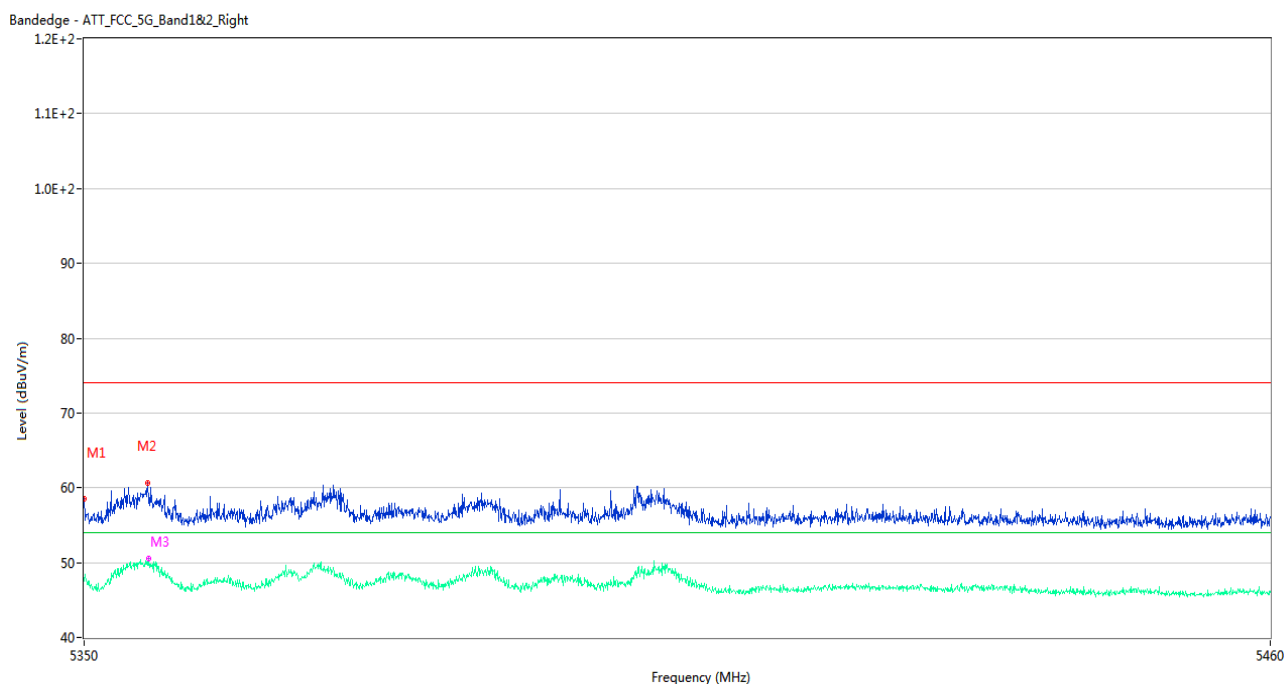
U-NII-1 11ac160 Middle Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



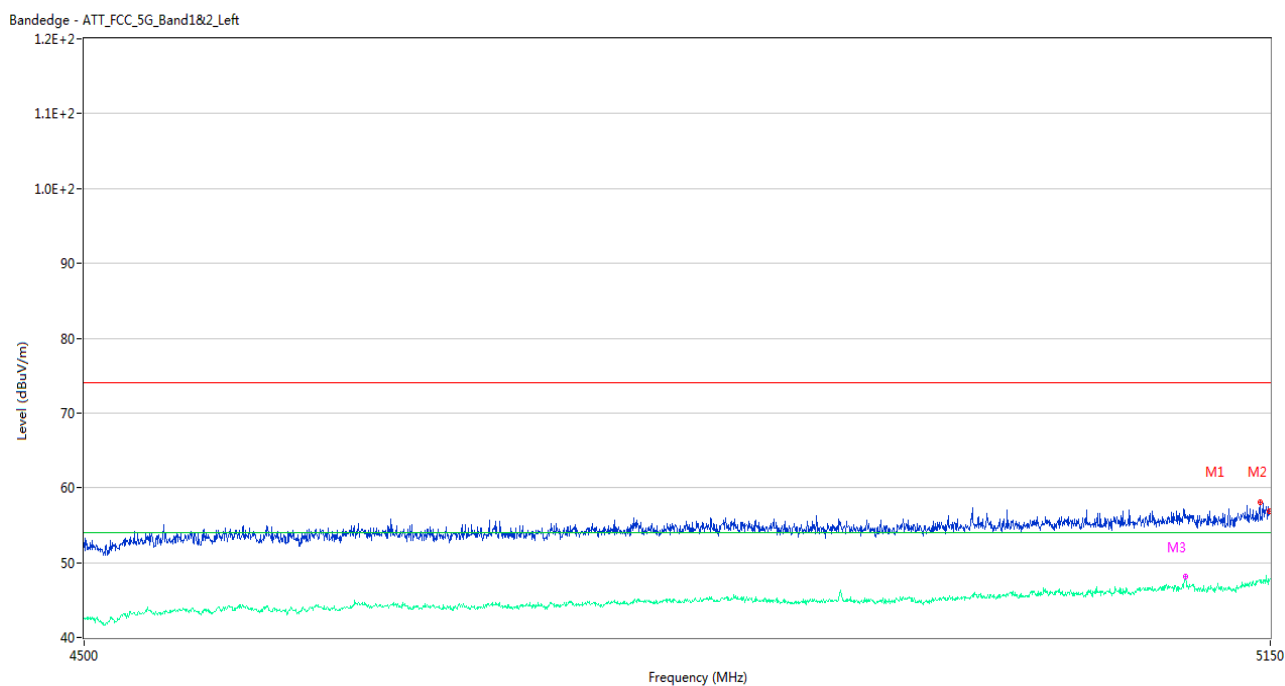
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4824.350	55.00	1.77	74.0	19.00	Peak	192.00	150	Horizontal	Pass
1**	4824.350	47.88	1.77	54.0	6.12	AV	192.00	150	Horizontal	Pass
2	5144.800	60.46	2.25	74.0	13.54	Peak	340.00	150	Horizontal	Pass
2**	5144.800	50.39	2.25	54.0	3.61	AV	340.00	150	Horizontal	Pass
3	5146.750	59.32	2.29	74.0	14.68	Peak	343.00	150	Horizontal	Pass
3**	5146.750	50.95	2.29	54.0	3.05	AV	343.00	150	Horizontal	Pass
4	5149.675	57.99	2.07	74.0	16.01	Peak	349.00	100	Horizontal	Pass
4**	5149.675	48.16	2.07	54.0	5.84	AV	349.00	100	Horizontal	Pass

U-NII-1 11ac160 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.50	1.93	74.0	15.50	Peak	345.00	150	Horizontal	Pass
1**	5350.000	47.51	1.93	54.0	6.49	AV	345.00	150	Horizontal	Pass
2	5355.830	60.58	2.10	74.0	13.42	Peak	345.00	200	Horizontal	Pass
2**	5355.830	49.63	2.10	54.0	4.37	AV	345.00	200	Horizontal	Pass
3	5355.885	58.03	2.10	74.0	15.97	Peak	160.00	150	Horizontal	Pass
3**	5355.885	50.60	2.10	54.0	3.40	AV	160.00	150	Horizontal	Pass

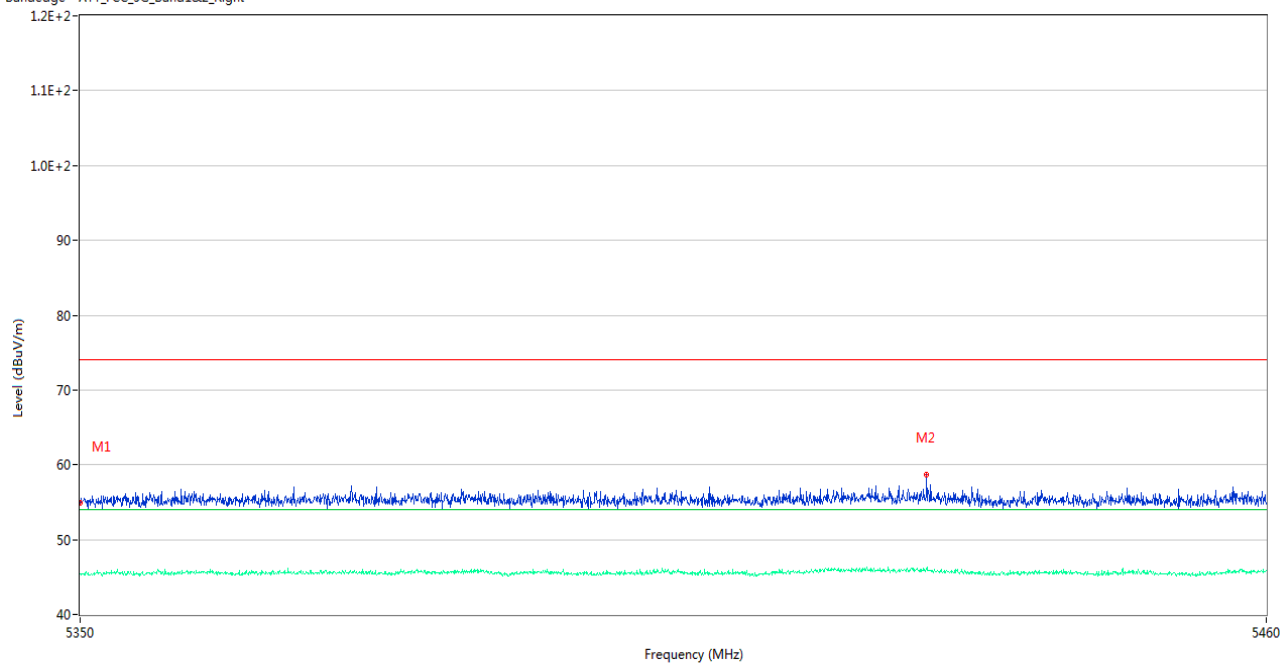
U-NII-1 11ax20 (SU) Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5143.825	58.02	2.34	74.0	15.98	Peak	66.00	200	Horizontal	Pass
1**	5143.825	47.65	2.34	54.0	6.35	AV	66.00	200	Horizontal	Pass
2	5149.675	56.93	2.07	74.0	17.07	Peak	252.00	200	Horizontal	Pass
2**	5149.675	47.53	2.07	54.0	6.47	AV	252.00	200	Horizontal	Pass
3	5100.600	56.04	2.36	74.0	17.96	Peak	76.00	150	Horizontal	Pass
3**	5100.600	48.19	2.36	54.0	5.81	AV	76.00	150	Horizontal	Pass

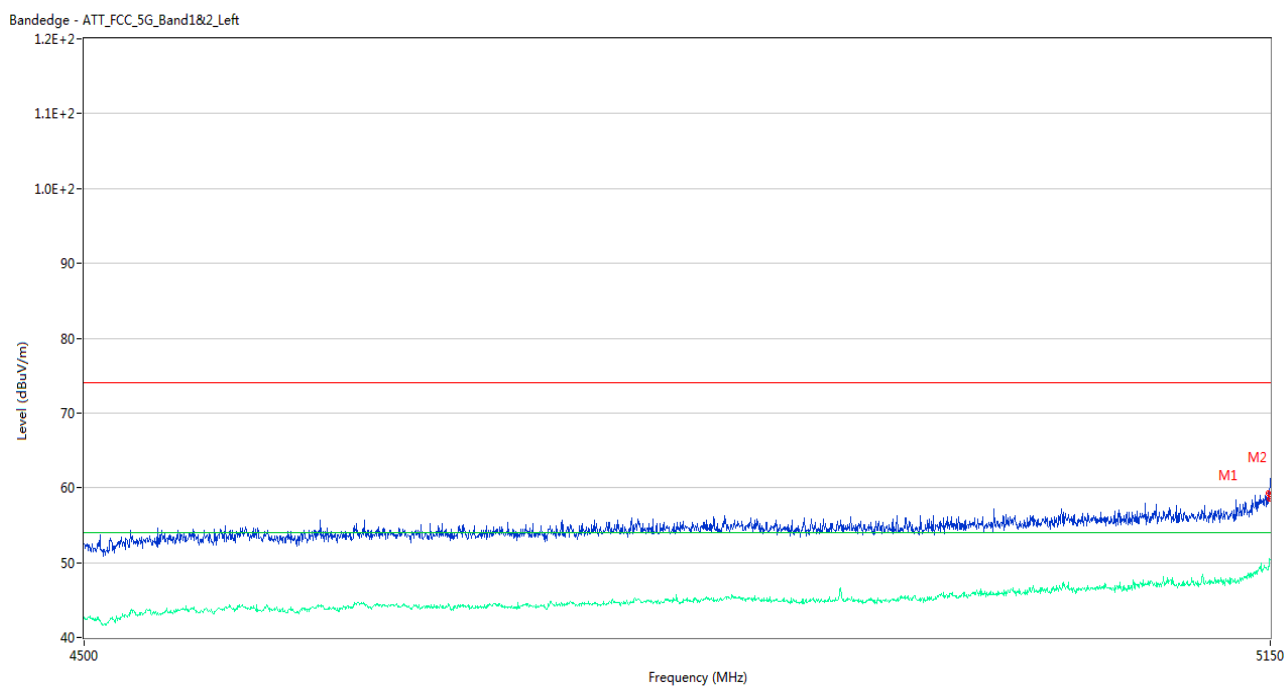
U-NII-1 11ax20 (SU) High Channel

Bandedge - ATT_FCC_5G_Band1&2_Right



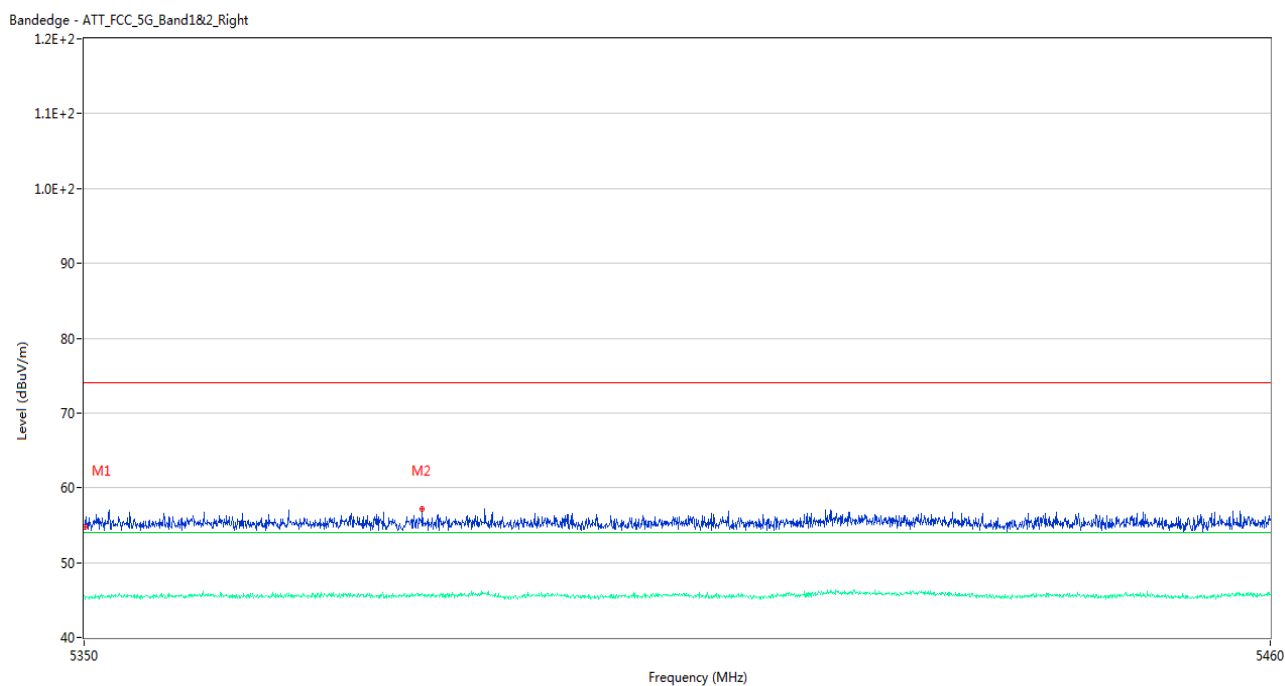
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.94	1.93	74.0	19.06	Peak	92.00	150	Horizontal	Pass
1**	5350.000	45.41	1.93	54.0	8.59	AV	92.00	150	Horizontal	Pass
2	5428.265	58.70	2.44	74.0	15.30	Peak	145.00	200	Horizontal	Pass
2**	5428.265	46.10	2.44	54.0	7.90	AV	145.00	200	Horizontal	Pass

U-NII-1 11ax40 (SU) Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	59.35	2.06	74.0	14.65	Peak	73.00	200	Horizontal	Pass
1**	5148.700	49.10	2.06	54.0	4.90	AV	73.00	200	Horizontal	Pass
2	5149.675	58.54	2.07	74.0	15.46	Peak	73.00	100	Horizontal	Pass
2**	5149.675	50.50	2.07	54.0	3.50	AV	73.00	100	Horizontal	Pass

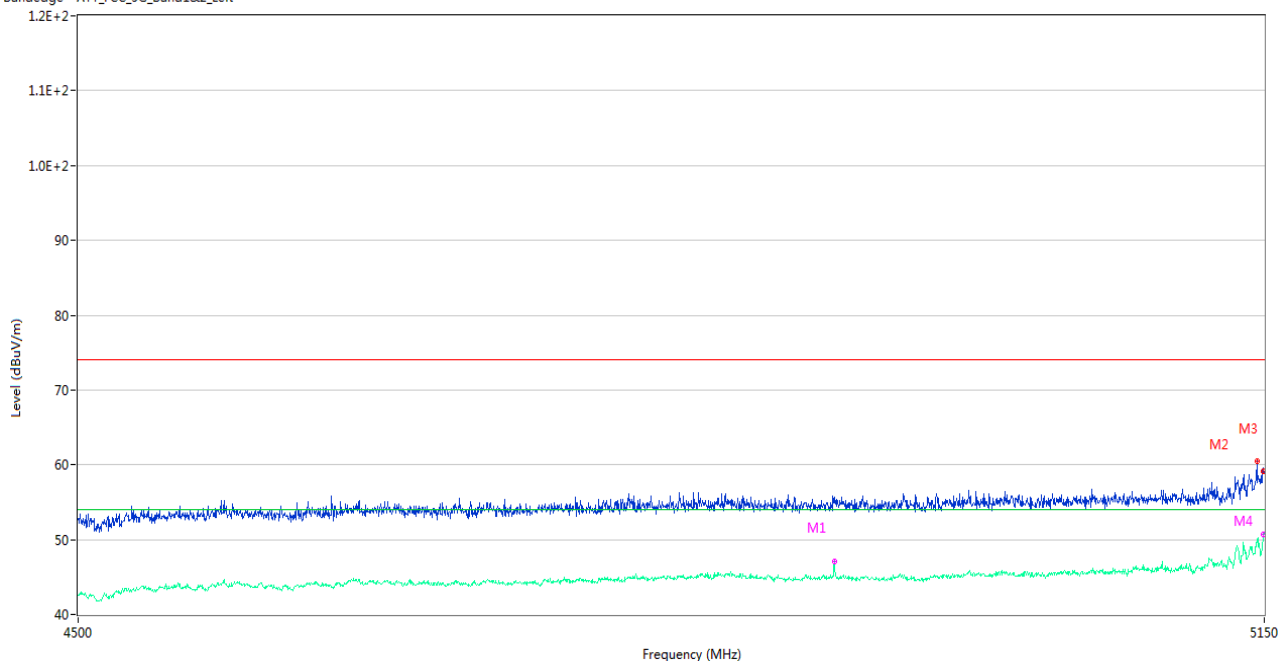
U-NII-1 11ax40 (SU) High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.77	1.93	74.0	19.23	Peak	72.00	150	Horizontal	Pass
1**	5350.055	45.35	1.93	54.0	8.65	AV	72.00	150	Horizontal	Pass
2	5381.130	57.24	2.26	74.0	16.76	Peak	17.00	200	Horizontal	Pass
2**	5381.130	45.93	2.26	54.0	8.07	AV	17.00	200	Horizontal	Pass

U-NII-1 11ax80 (SU) Middle Channel

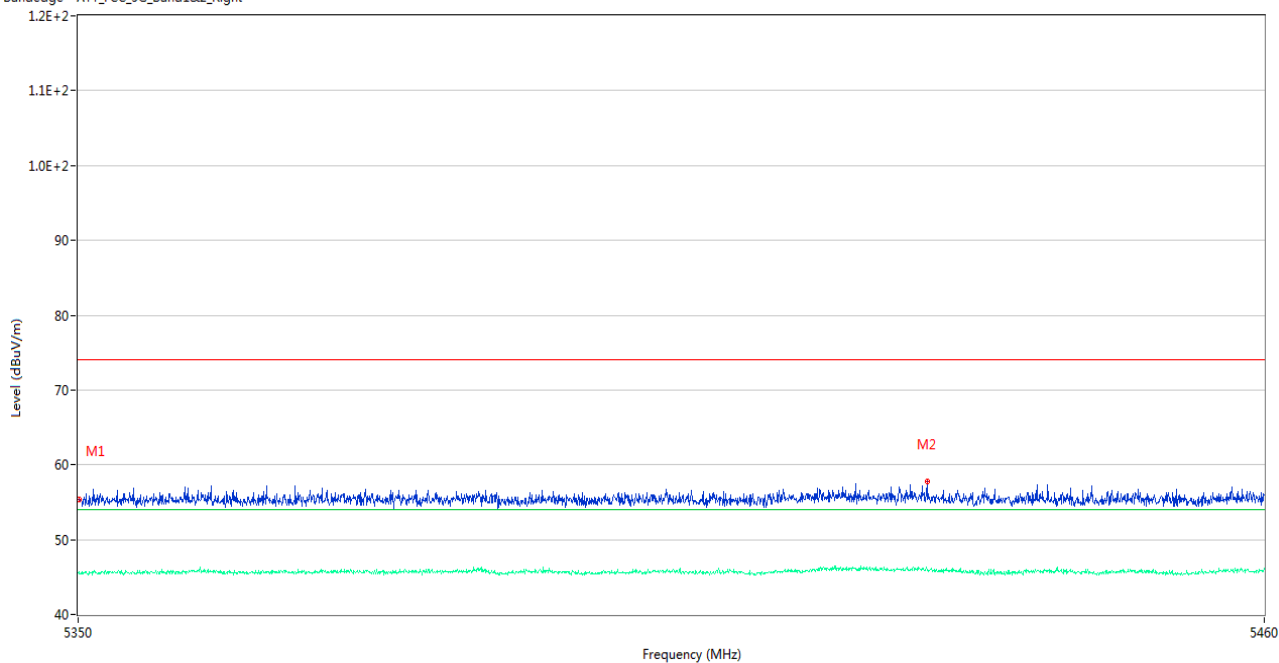
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4904.300	54.97	1.59	74.0	19.03	Peak	311.00	150	Horizontal	Pass
1**	4904.300	47.06	1.59	54.0	6.94	AV	311.00	150	Horizontal	Pass
2	5145.775	60.46	2.27	74.0	13.54	Peak	81.00	100	Horizontal	Pass
2**	5145.775	49.68	2.27	54.0	4.32	AV	81.00	100	Horizontal	Pass
3	5149.675	59.06	2.07	74.0	14.94	Peak	72.00	150	Horizontal	Pass
3**	5149.675	50.76	2.07	54.0	3.24	AV	72.00	150	Horizontal	Pass
4	5149.675	59.06	2.07	74.0	14.94	Peak	72.00	100	Horizontal	Pass
4**	5149.675	50.76	2.07	54.0	3.24	AV	72.00	100	Horizontal	Pass

U-NII-1 11ax80 (SU) Middle Channel

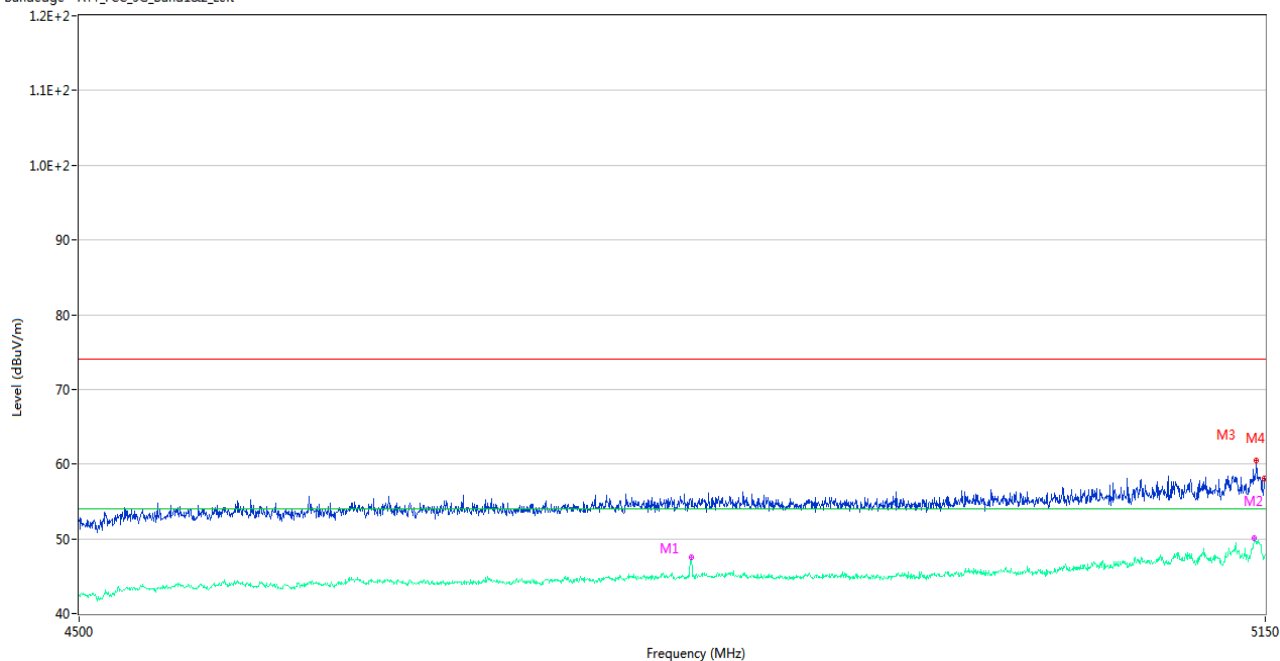
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.38	1.93	74.0	18.62	Peak	60.00	100	Horizontal	Pass
1**	5350.055	45.36	1.93	54.0	8.64	AV	60.00	100	Horizontal	Pass
2	5428.485	57.79	2.41	74.0	16.21	Peak	60.00	100	Horizontal	Pass
2**	5428.485	45.91	2.41	54.0	8.09	AV	60.00	100	Horizontal	Pass

U-NII-1 11ax160 (SU) Middle Channel

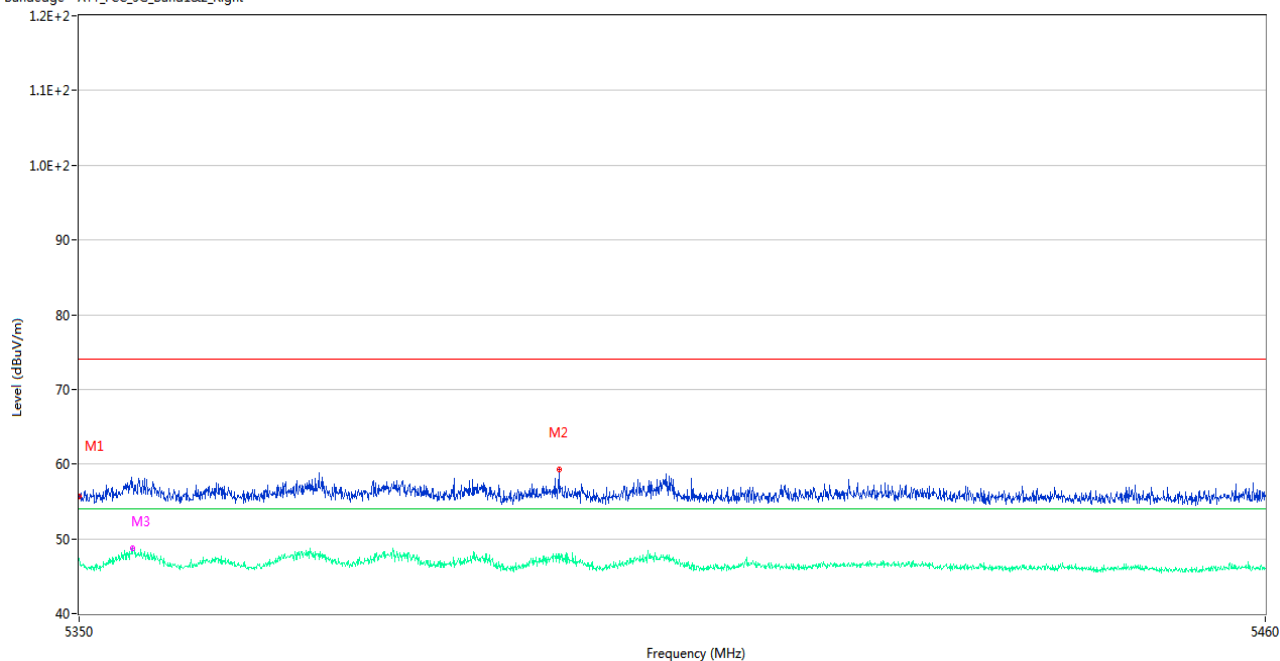
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4824.350	54.87	1.77	74.0	19.13	Peak	178.00	150	Horizontal	Pass
1**	4824.350	47.48	1.77	54.0	6.52	AV	178.00	150	Horizontal	Pass
2	5143.500	57.74	2.37	74.0	16.26	Peak	338.00	150	Horizontal	Pass
2**	5143.500	50.04	2.37	54.0	3.96	AV	338.00	150	Horizontal	Pass
3	5144.800	60.50	2.25	74.0	13.50	Peak	333.00	200	Horizontal	Pass
3**	5144.800	49.41	2.25	54.0	4.59	AV	333.00	200	Horizontal	Pass
4	5149.675	58.04	2.07	74.0	15.96	Peak	338.00	100	Horizontal	Pass
4**	5149.675	47.71	2.07	54.0	6.29	AV	338.00	100	Horizontal	Pass

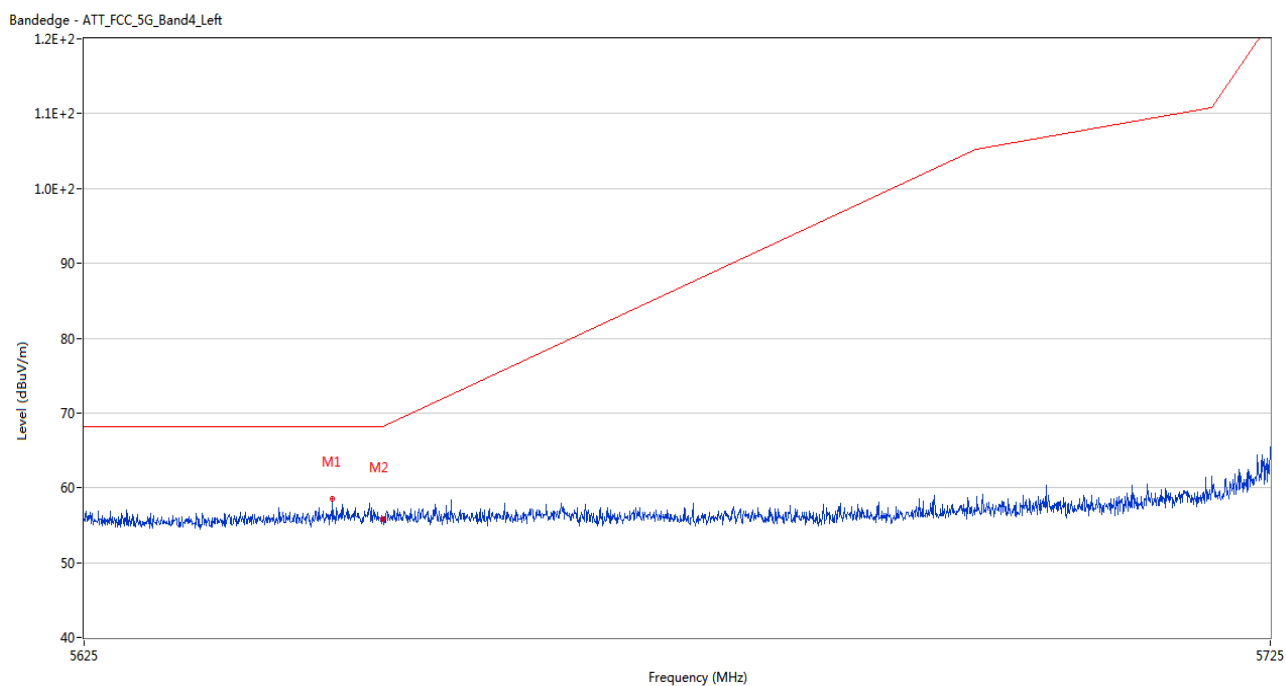
U-NII-1 11ax160 (SU) Middle Channel

Bandedge - ATT_FCC_5G_Band1&2_Right



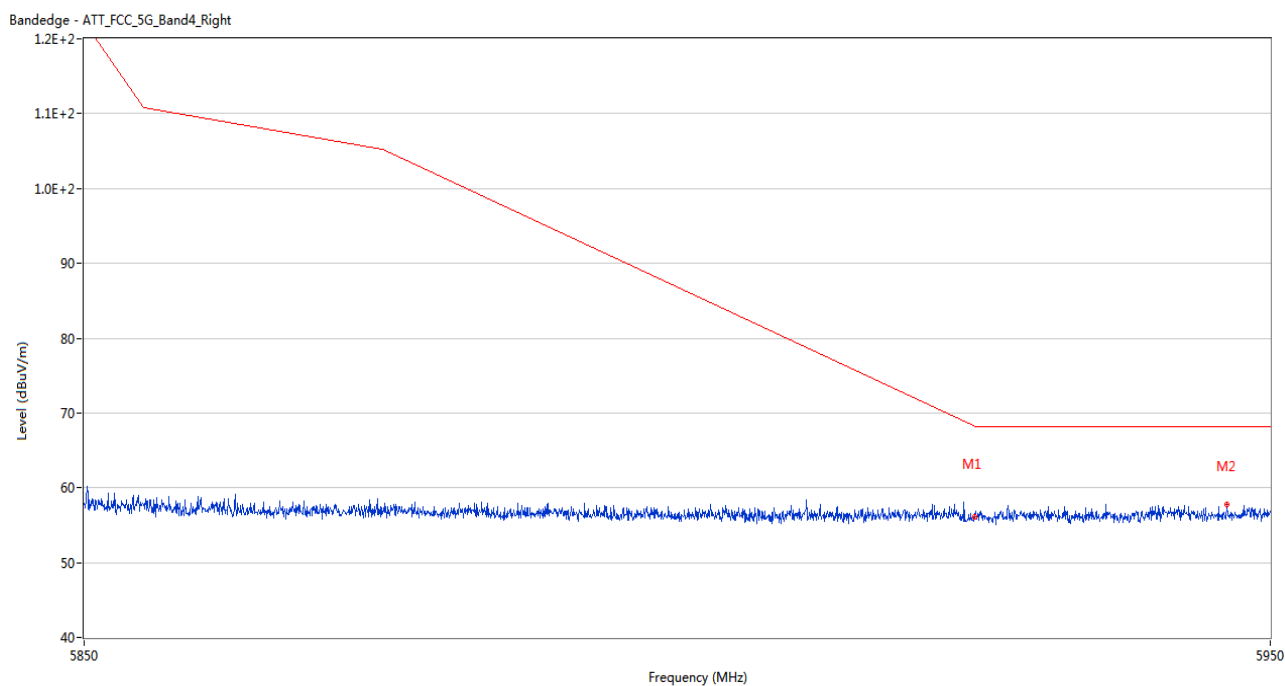
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.61	1.93	74.0	18.39	Peak	349.00	150	Horizontal	Pass
1**	5350.000	47.44	1.93	54.0	6.56	AV	349.00	150	Horizontal	Pass
2	5394.220	59.32	2.09	74.0	14.68	Peak	344.00	100	Horizontal	Pass
2**	5394.220	46.75	2.09	54.0	7.25	AV	344.00	100	Horizontal	Pass
3	5354.950	57.59	2.05	74.0	16.41	Peak	341.00	150	Horizontal	Pass
3**	5354.950	48.74	2.05	54.0	5.26	AV	341.00	150	Horizontal	Pass

U-NII-3 11a Low Channel



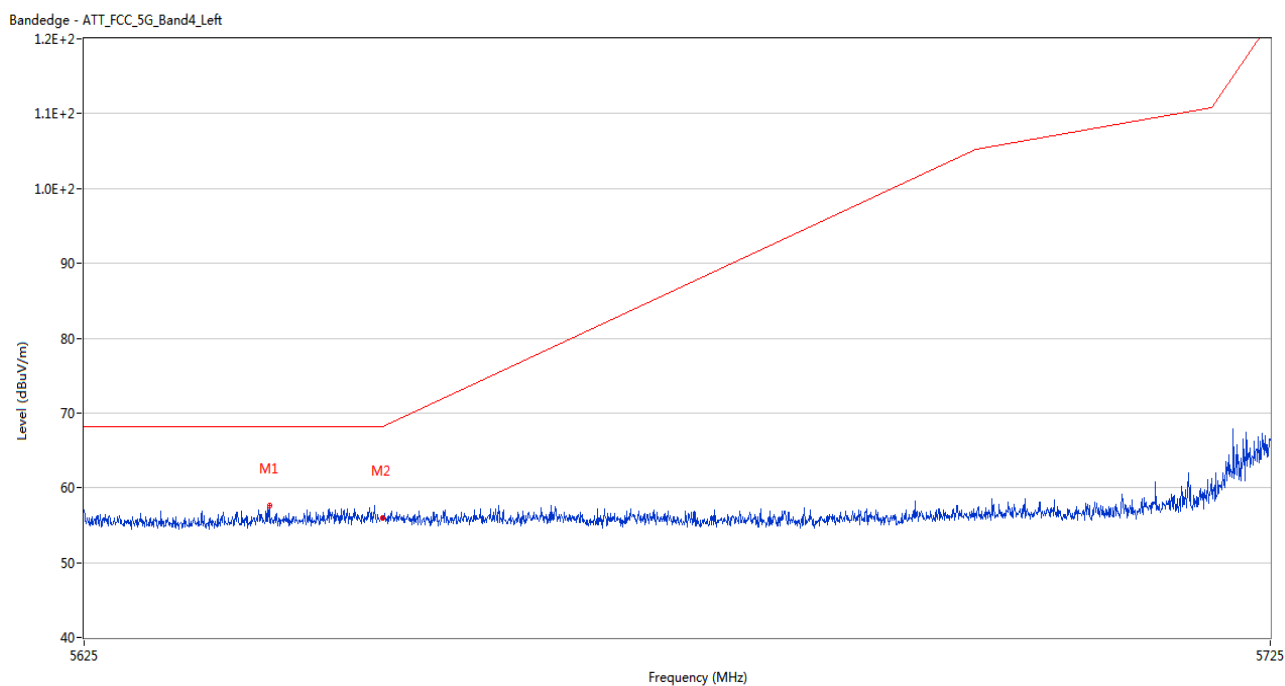
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.800	58.51	2.65	68.2	9.69	Peak	86.00	200	Horizontal	Pass
2	5650.000	55.78	2.54	68.2	12.42	Peak	238.00	200	Horizontal	Pass

U-NII-3 11a High Channel



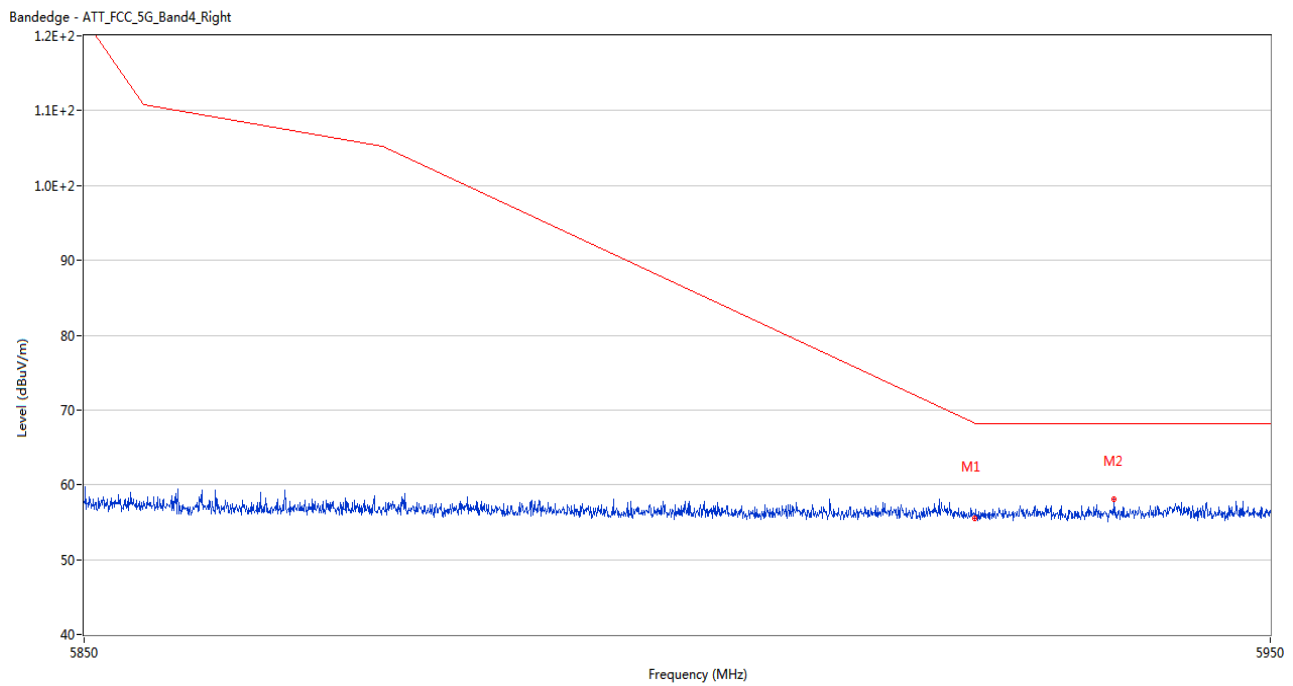
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.08	2.32	68.2	12.12	Peak	249.00	200	Horizontal	Pass
2	5946.300	57.84	2.36	68.2	10.36	Peak	86.00	200	Horizontal	Pass

U-NII-3 11n20 Low Channel



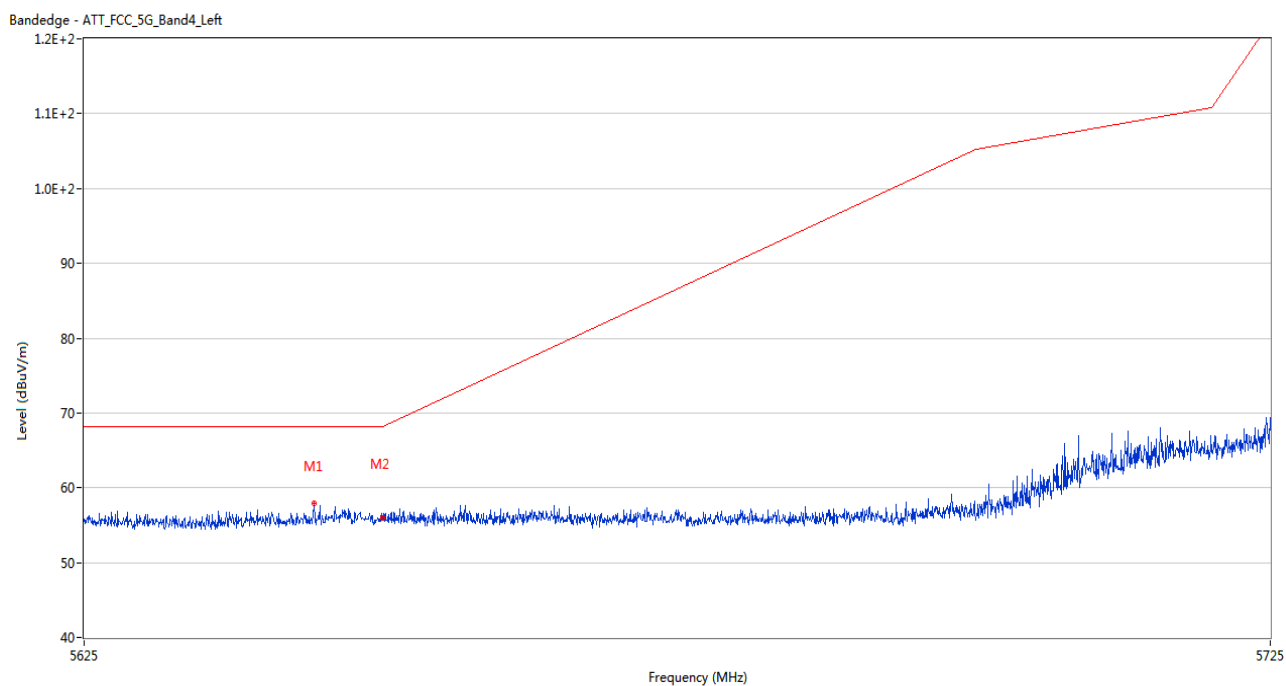
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5640.500	57.65	2.33	68.2	10.55	Peak	78.00	100	Horizontal	Pass
2	5650.000	55.99	2.54	68.2	12.21	Peak	163.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel



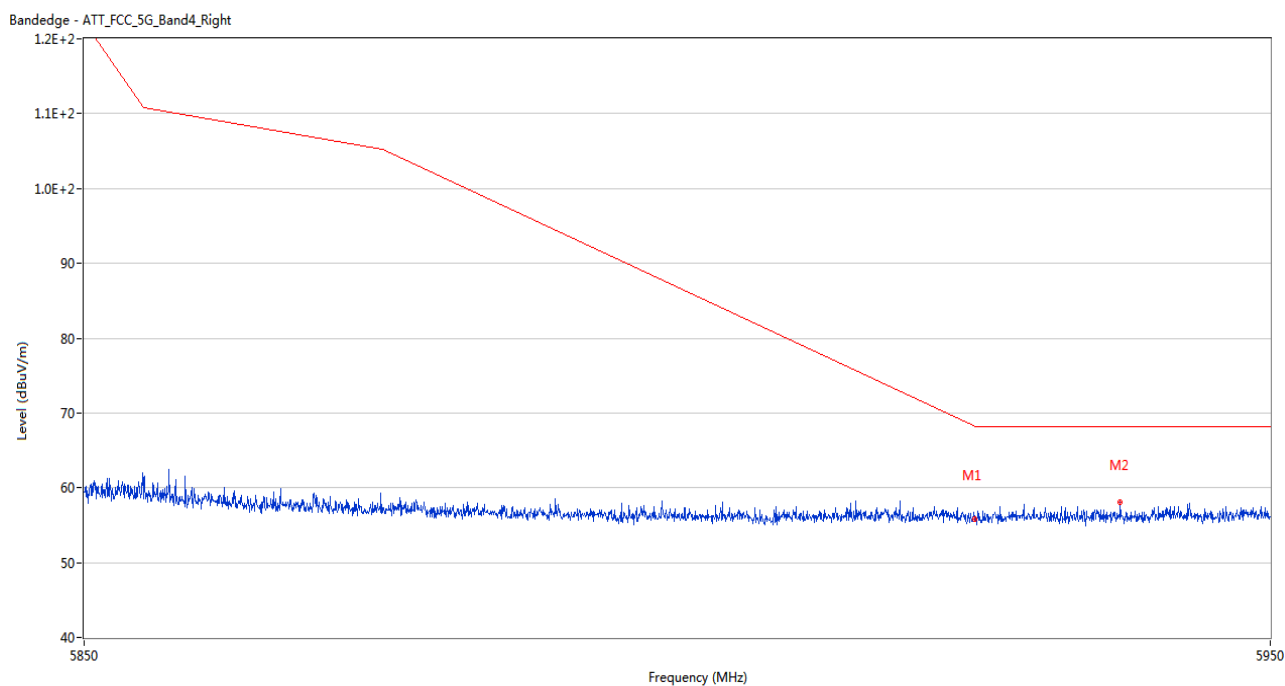
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.51	2.32	68.2	12.69	Peak	273.00	200	Horizontal	Pass
2	5936.750	58.14	2.38	68.2	10.06	Peak	277.00	200	Horizontal	Pass

U-NII-3 11n40 Low Channel



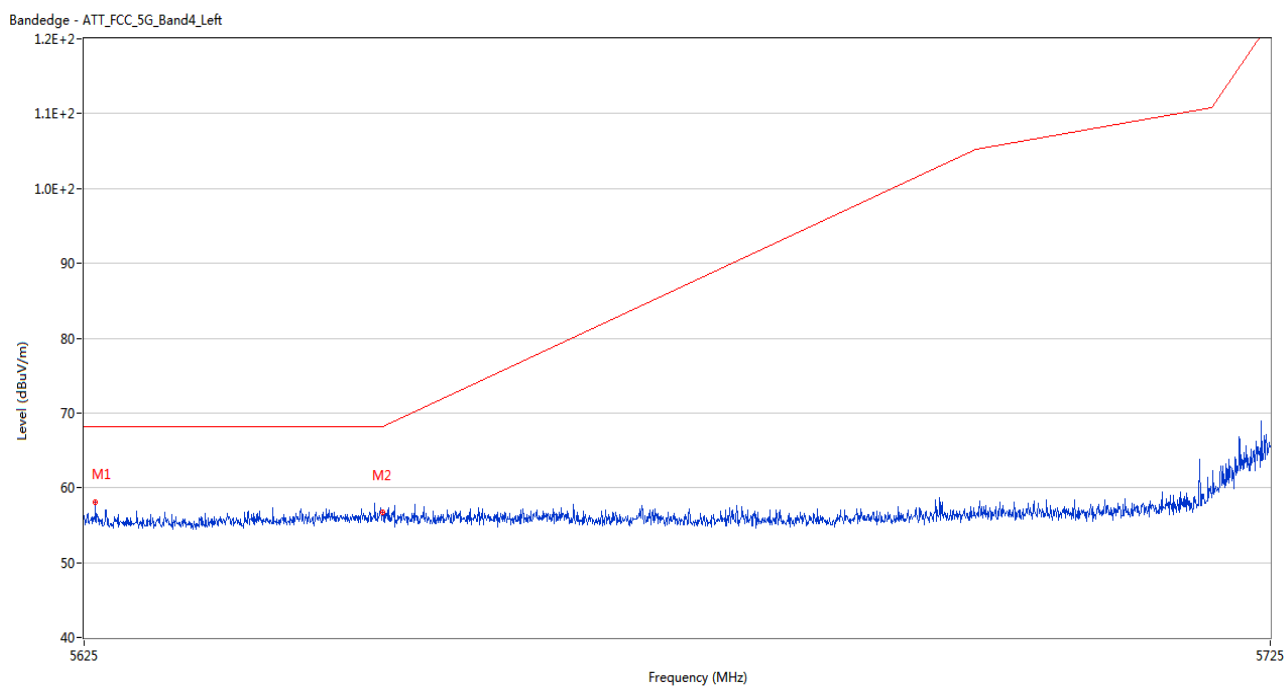
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.250	57.87	2.41	68.2	10.33	Peak	258.00	100	Horizontal	Pass
2	5650.000	56.04	2.54	68.2	12.16	Peak	150.00	200	Horizontal	Pass

U-NII-3 11n40 High Channel



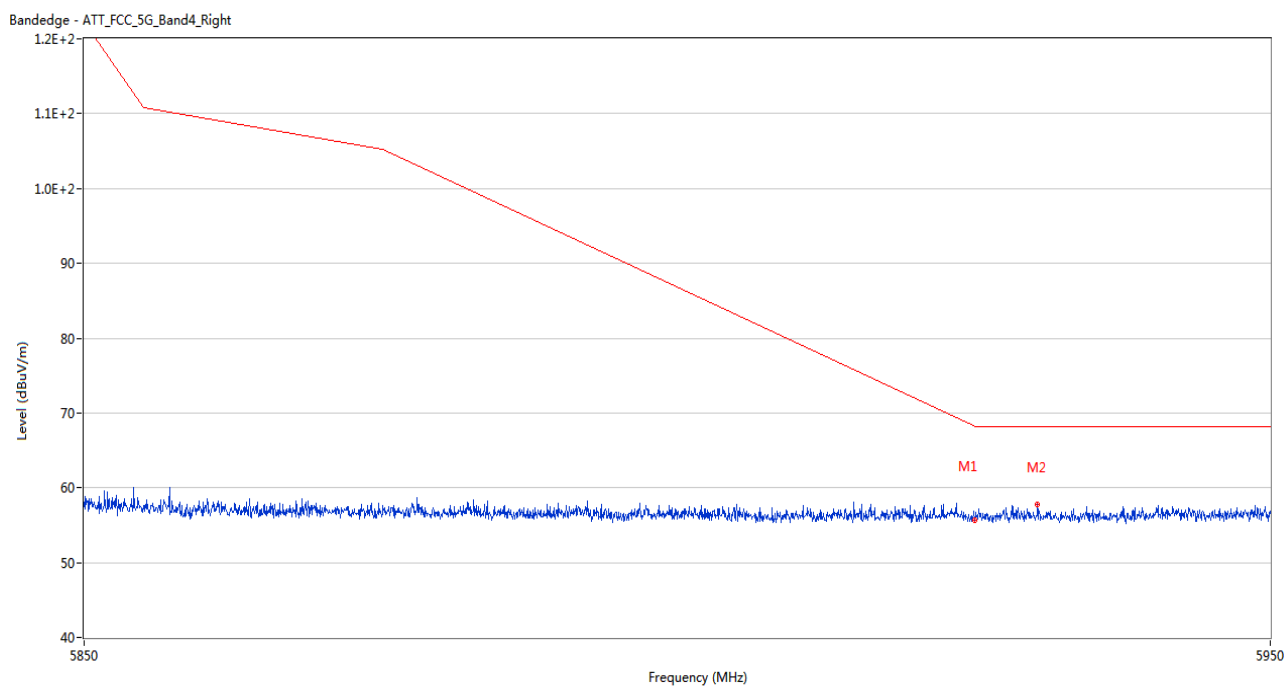
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.82	2.32	68.2	12.38	Peak	92.00	100	Horizontal	Pass
2	5937.250	58.07	2.34	68.2	10.13	Peak	341.00	100	Horizontal	Pass

U-NII-3 11ac20 Low Channel



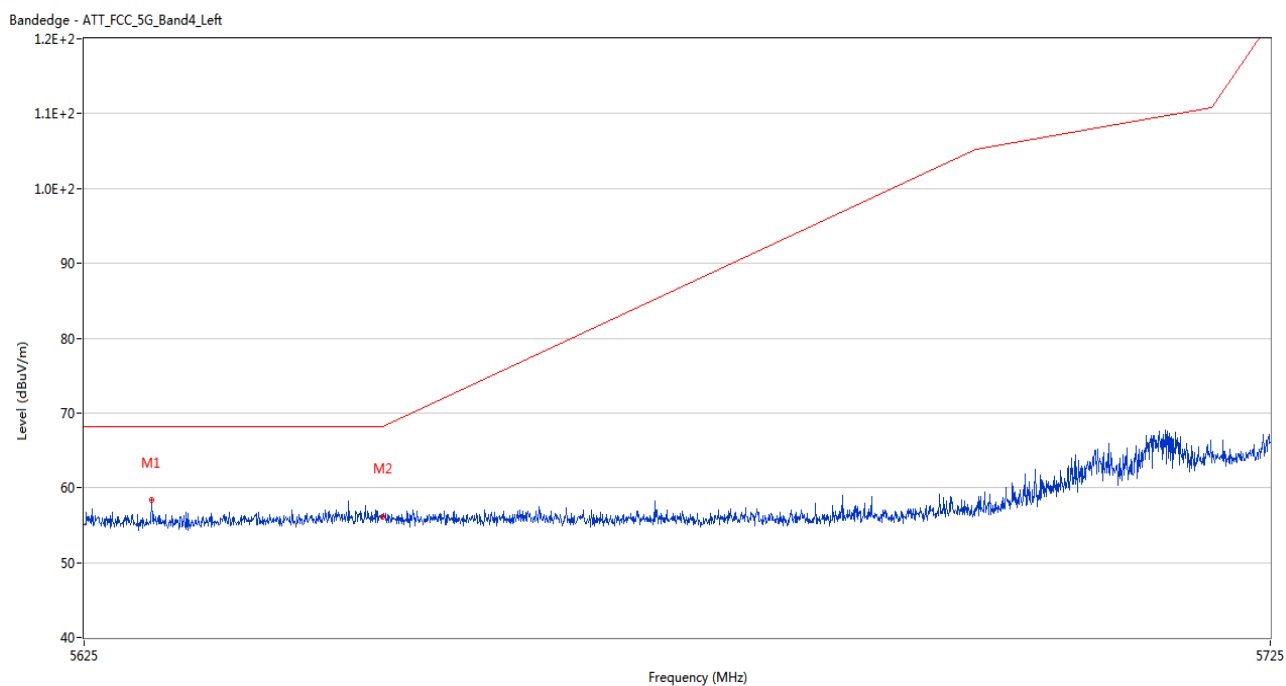
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5625.950	58.13	2.35	68.2	10.07	Peak	81.00	150	Horizontal	Pass
2	5650.000	56.77	2.54	68.2	11.43	Peak	76.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel



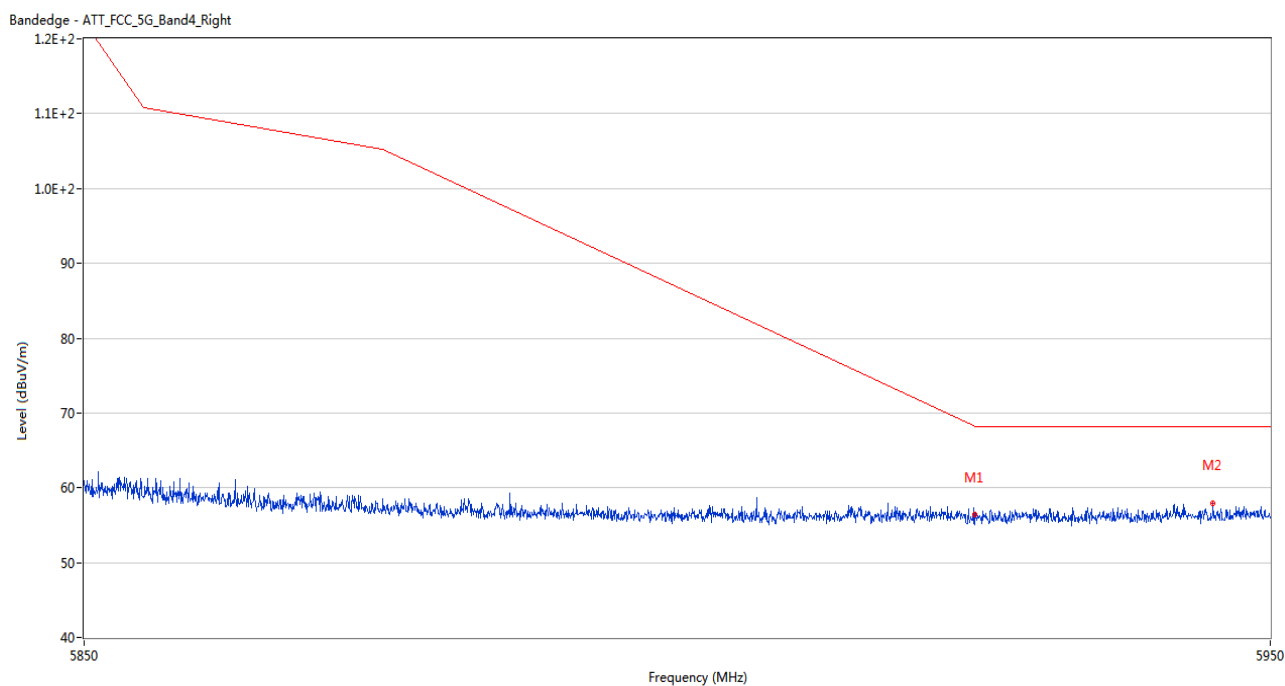
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.64	2.32	68.2	12.56	Peak	75.00	150	Horizontal	Pass
2	5930.250	57.71	2.59	68.2	10.49	Peak	96.00	100	Horizontal	Pass

U-NII-3 11ac40 Low Channel



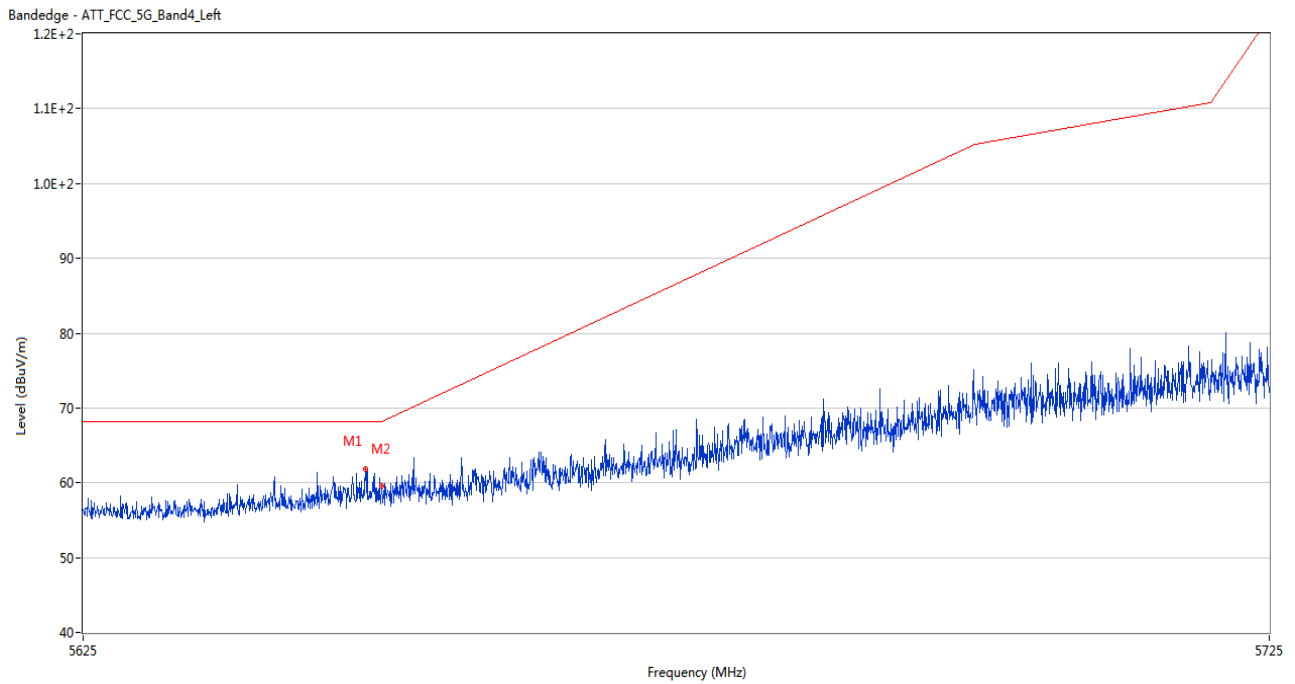
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5630.650	58.36	2.13	68.2	9.84	Peak	139.00	200	Horizontal	Pass
2	5650.000	56.16	2.54	68.2	12.04	Peak	70.00	150	Horizontal	Pass

U-NII-3 11ac40 High Channel



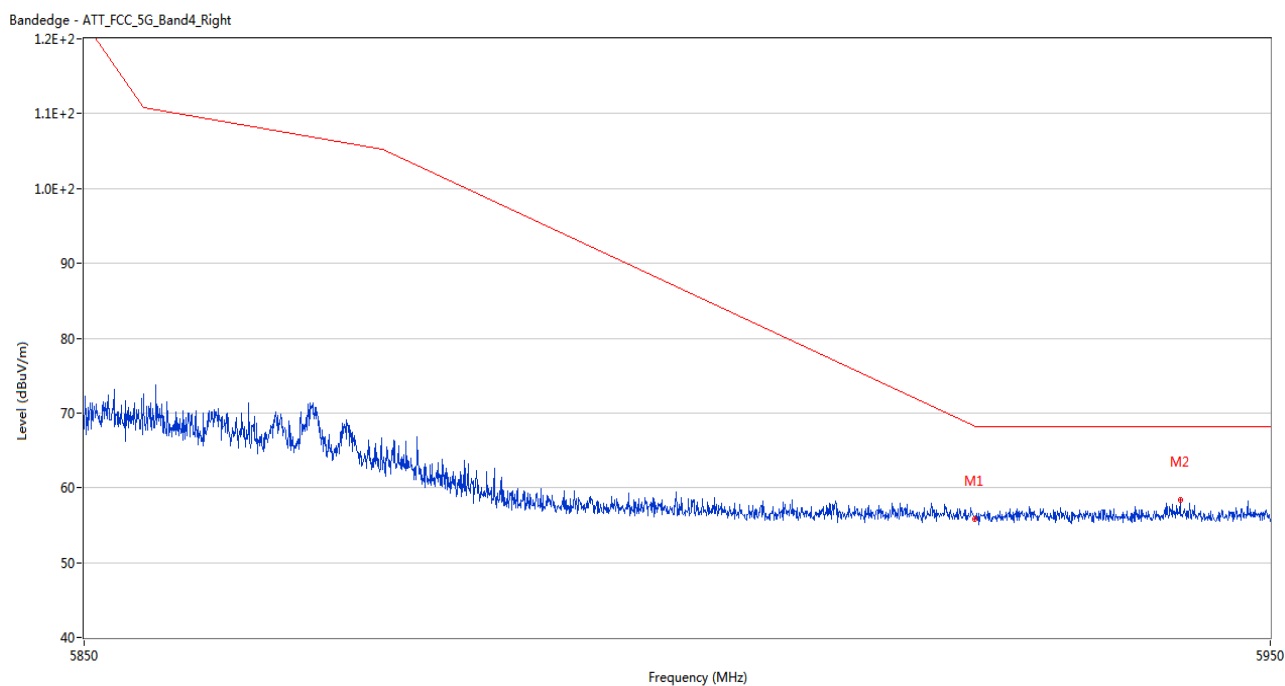
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.39	2.32	68.2	11.81	Peak	208.00	150	Horizontal	Pass
2	5945.150	57.99	2.33	68.2	10.21	Peak	214.00	200	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



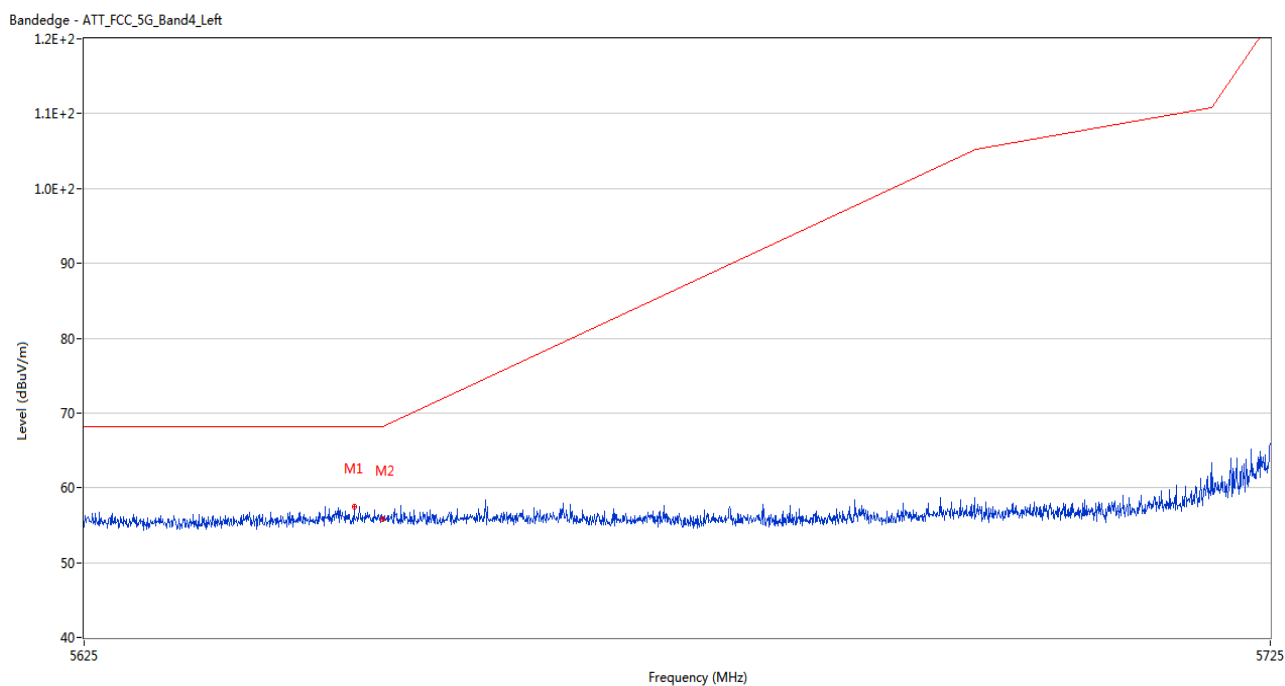
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.650	61.84	2.52	68.2	6.36	Peak	77.00	150	Horizontal	Pass
2	5650.000	59.52	2.54	68.2	8.68	Peak	82.00	100	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



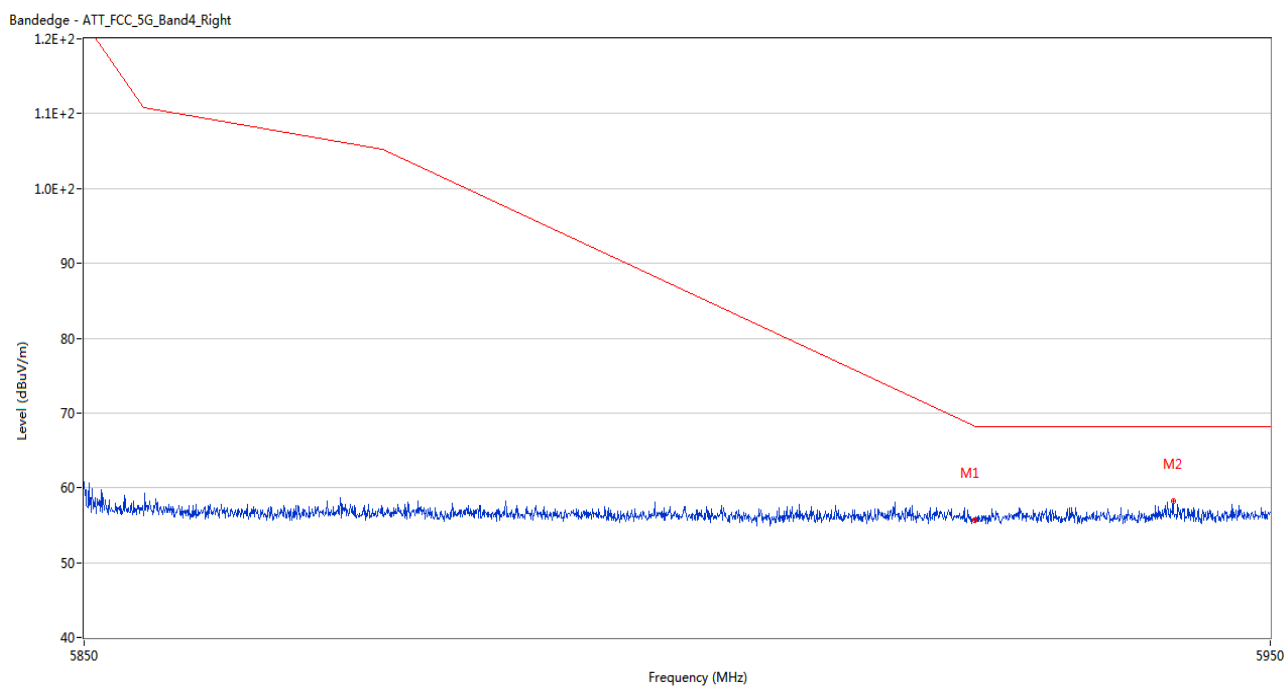
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.89	2.32	68.2	12.31	Peak	101.00	200	Horizontal	Pass
2	5942.350	58.44	2.74	68.2	9.76	Peak	0.00	100	Horizontal	Pass

U-NII-3 11ax20 (SU) Low Channel



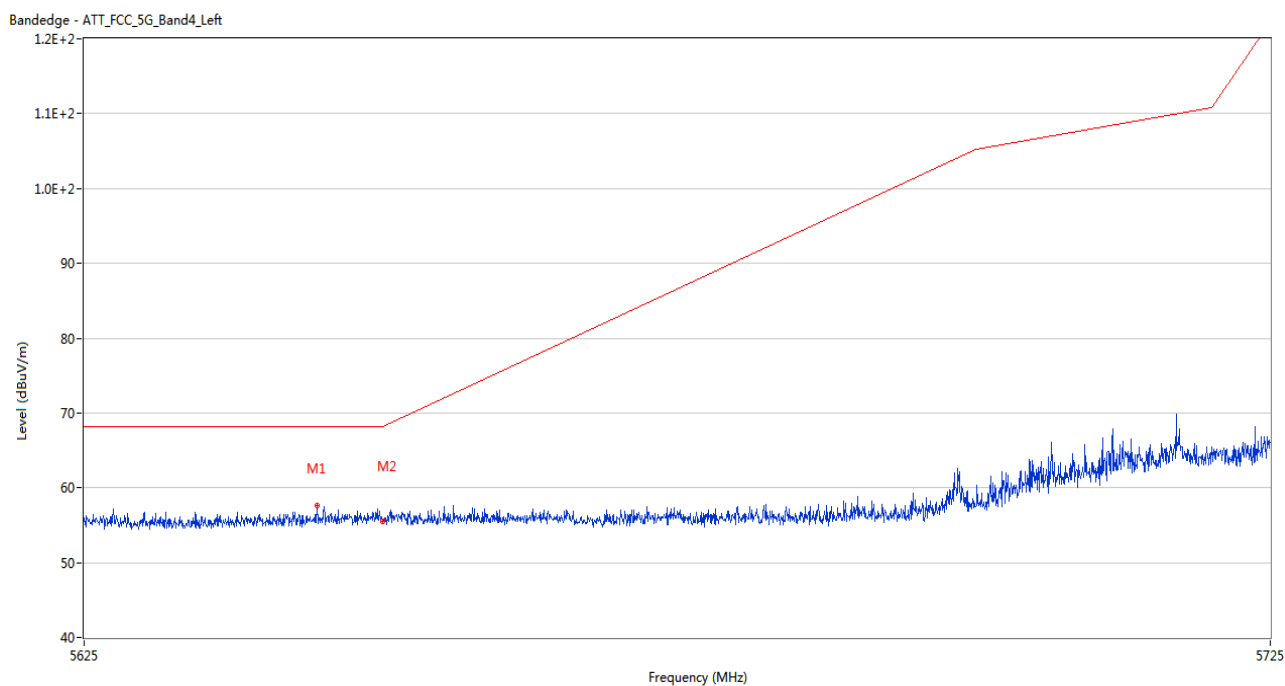
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.600	57.53	2.59	68.2	10.67	Peak	56.00	100	Horizontal	Pass
2	5650.000	55.86	2.54	68.2	12.34	Peak	252.00	150	Horizontal	Pass

U-NII-3 11ax20 (SU) High Channel



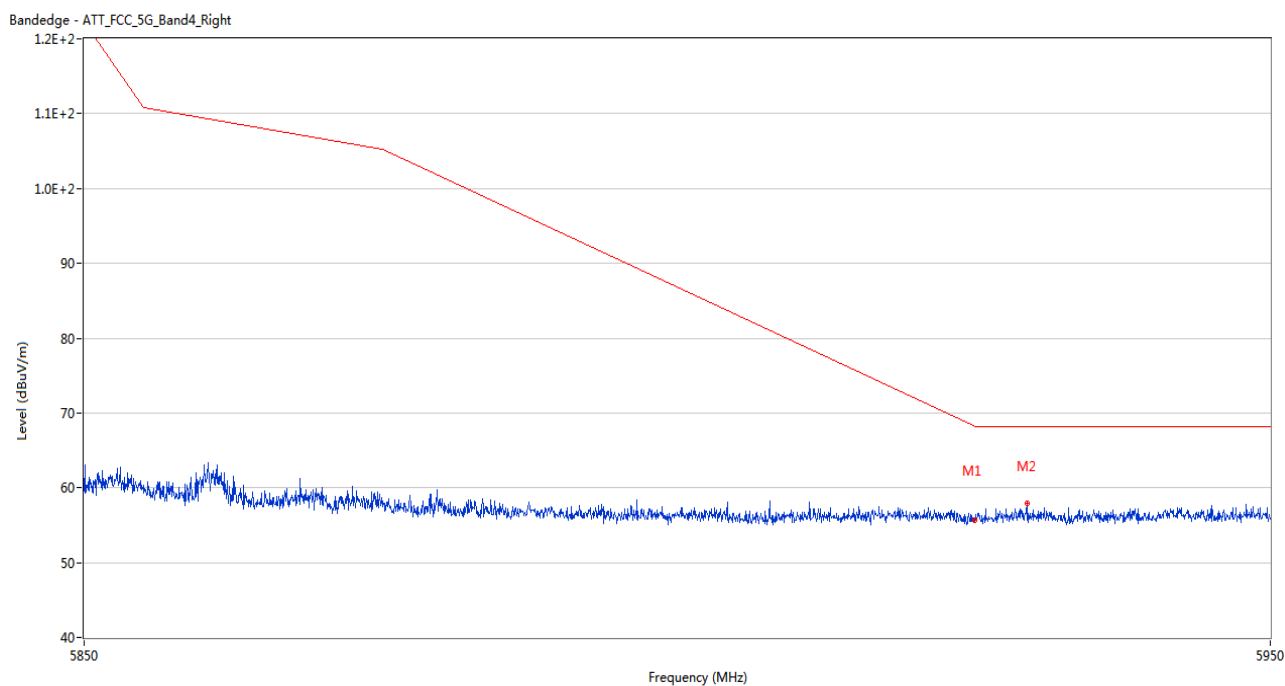
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.71	2.32	68.2	12.49	Peak	360.00	200	Horizontal	Pass
2	5941.750	58.17	2.87	68.2	10.03	Peak	250.00	150	Horizontal	Pass

U-NII-3 11ax40 (SU) Low Channel



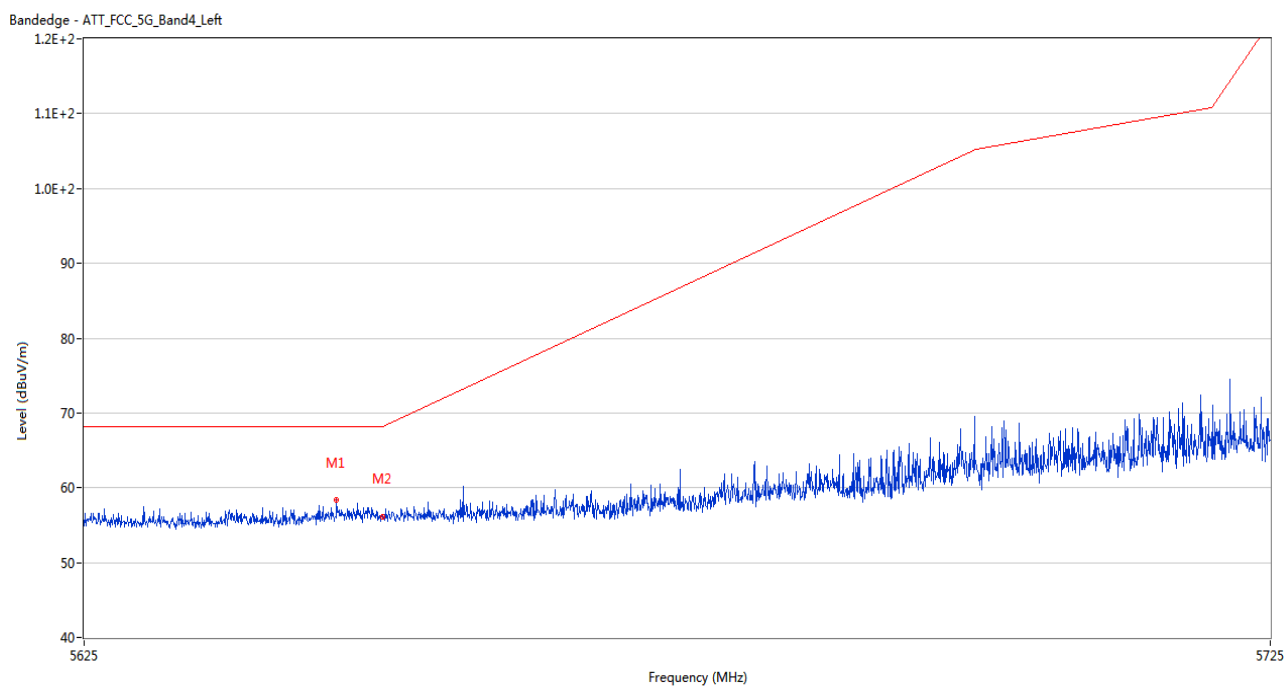
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.500	57.56	2.45	68.2	10.64	Peak	16.00	150	Horizontal	Pass
2	5650.000	55.48	2.54	68.2	12.72	Peak	177.00	150	Horizontal	Pass

U-NII-3 11ax40 (SU) High Channel



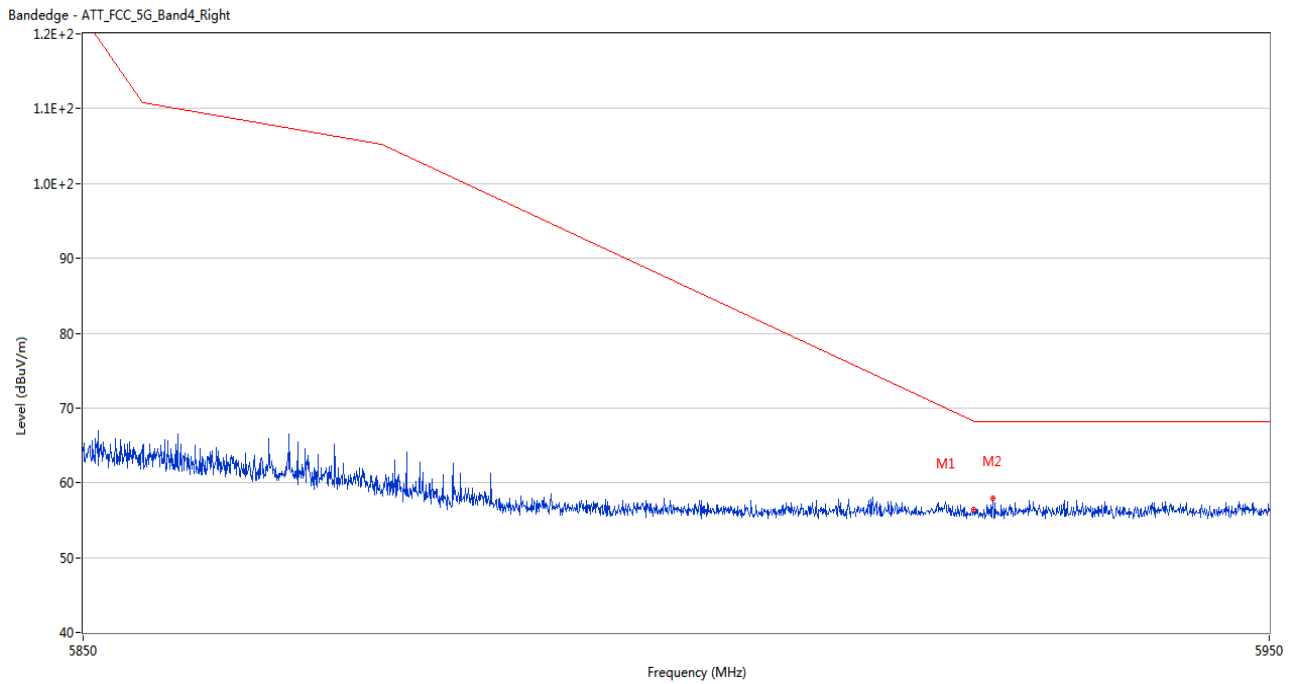
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.61	2.32	68.2	12.59	Peak	169.00	150	Horizontal	Pass
2	5929.400	57.93	2.66	68.2	10.27	Peak	110.00	150	Horizontal	Pass

U-NII-3 11ax80 (SU) Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.150	58.41	2.71	68.2	9.79	Peak	94.00	200	Horizontal	Pass
2	5650.000	56.19	2.54	68.2	12.01	Peak	252.00	200	Horizontal	Pass

U-NII-3 11ax80 (SU) Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.50	2.32	68.2	11.70	Peak	56.00	200	Horizontal	Pass
2	5926.550	57.96	2.33	68.2	10.24	Peak	263.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2450163-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2450163-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2450163-AI.PDF”.

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--END OF REPORT--