TEST REPORT

Applicant:	REOLINK INNOVATION LIMITED
Address:	FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG
Equipment Type:	WiFi IP Camera
Model Name:	CX410W (refer to section 2.3)
Brand Name:	Reolink
FCC ID:	2AYHE-2310D
ISED Number:	26839-2310D
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen Issue 5 RSS-247 Issue 3 (refer to section 3.1)
Sample Arrival Date:	Nov. 28, 2023
Test Date:	Jan. 04, 2024 - May 29, 2024
Date of Issue:	Jun. 05, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
Rev. 01	Jun. 05, 2024	Initial Issue

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☑ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	REOLINK INNOVATION LIMITED
Address	FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG

2.2 Manufacturer Information

Manufacturer	REOLINK INNOVATION LIMITED
Address	FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	WiFi IP Camera
Model Name Under Test	CX410W
Series Model Name	ColorX Series W320X
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant)
Serial Number	952700Y006E4X8VN
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2.4G WIFI 802.11b, 802.11g and 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range		U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type		☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard
Modulation technology		OFDM
Modulation Type		256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)		802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth		802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power		U-NII-1: 77.45 mW U-NII-2A: 73.62 mW U-NII-2C: 74.82 mW U-NII-3: 77.45 mW
Antenna System (eg., MIMO, Smart Antenna)		Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac
Categorization as Correlated or Completely Uncorrelated		Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac
Antenna Type	SISO-Antenna A	Dipole Antenna
	SISO-Antenna B	
Antenna Gain	SISO-Antenna A	U-NII-1: 5150 MHz to 5250 MHz: 2.02 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.32 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.55 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.19 dBi
	SISO-Antenna B	
Total directional gain	For power spectral density (PSD) measurem	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 5.03 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.33 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.56 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.20 dBi

	ents	Formulas: Directional gain = *GANT* + 10 log(*NANT*) dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 5.81 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.81 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.81 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.81 dBi Formulas: Directional gain = *GANT*
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 5.03 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.33 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.56 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.20 dBi Formulas: Directional gain = *GANT* + 10 log(*NANT*) dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 5.81 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.81 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.81 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.81 dBi Formulas: Directional gain = *GANT*
About the Product		The equipment is WiFi IP Camera, intended for used with information technology equipment.

Mode	Antenna		
	SISO-Antenna A	SISO-Antenna B	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**	**42**	**5210**
40	5200	**46**	**5230**	**58**	**5290**
44	**5220**	**54**	**5270**	**106**	**5530**
48	**5240**	**62**	**5310**	**122**	**5610**
52	**5260**	**102**	**5510**	138	5690
56	5280	**110**	**5550**	**155**	**5775**
60	**5300**	118	5590		
64	**5320**	126	5630		
100	**5500**	**134**	**5670**		
104	5520	142	5710		
108	5540	**151**	**5755**		
112	5560	**159**	**5795**		
116	**5580**				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	**5700**				
144	5720				
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

Note: This report equipment will not transmit in the 5600-5650 MHz frequency band when used in Canada. This restriction is to protect weather radars operating in this frequency band.

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
110	Mid	5550	159	High	5795
134	High	5670			

For 802.11ac(VHT80)

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/110/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
6	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass[Note1]
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A[Note2]

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

Note [2]: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note [3]: 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	40% to 70%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.6℃ to +25.0℃
	LT (Low Temperature)	-10.0℃
	HT (High Temperature)	+55.0℃
Working Voltage of the EUT	NV (Normal Voltage)	12.0 V
	LV (Low Voltage)	10.8 V
	HV (High Voltage)	13.2 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.20	2024.05.19
				2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-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	2023.05.16	2024.05.15
				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.

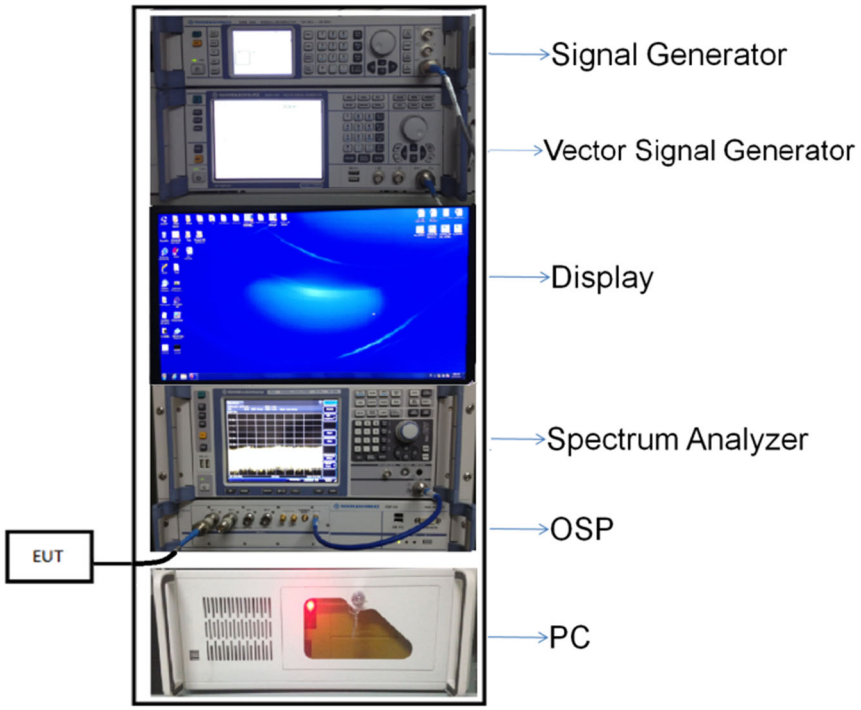
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

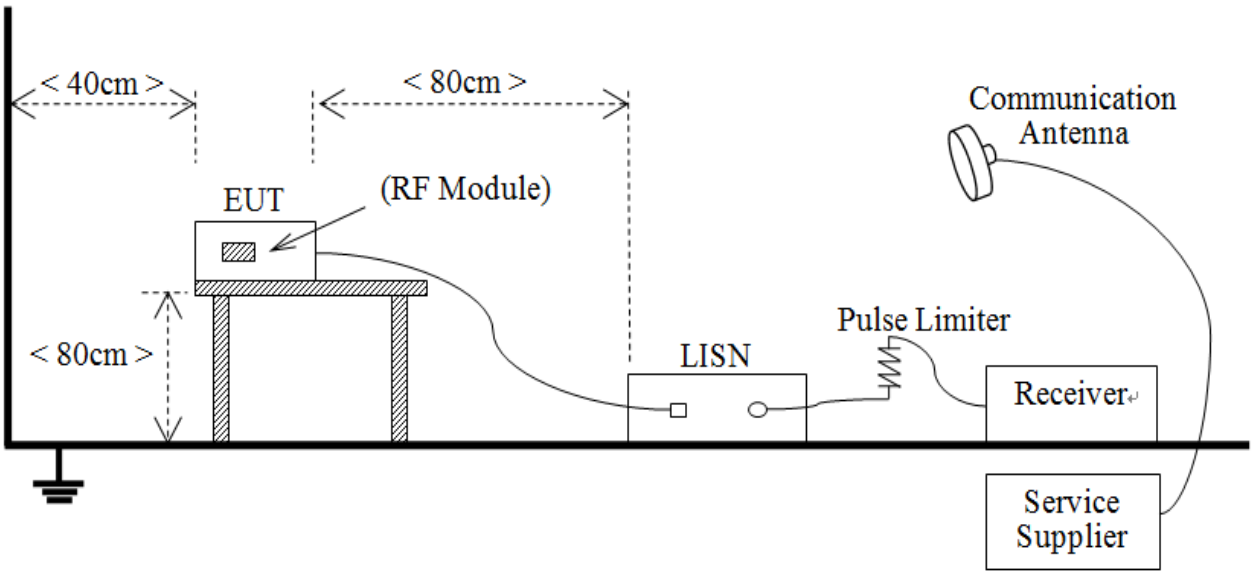
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



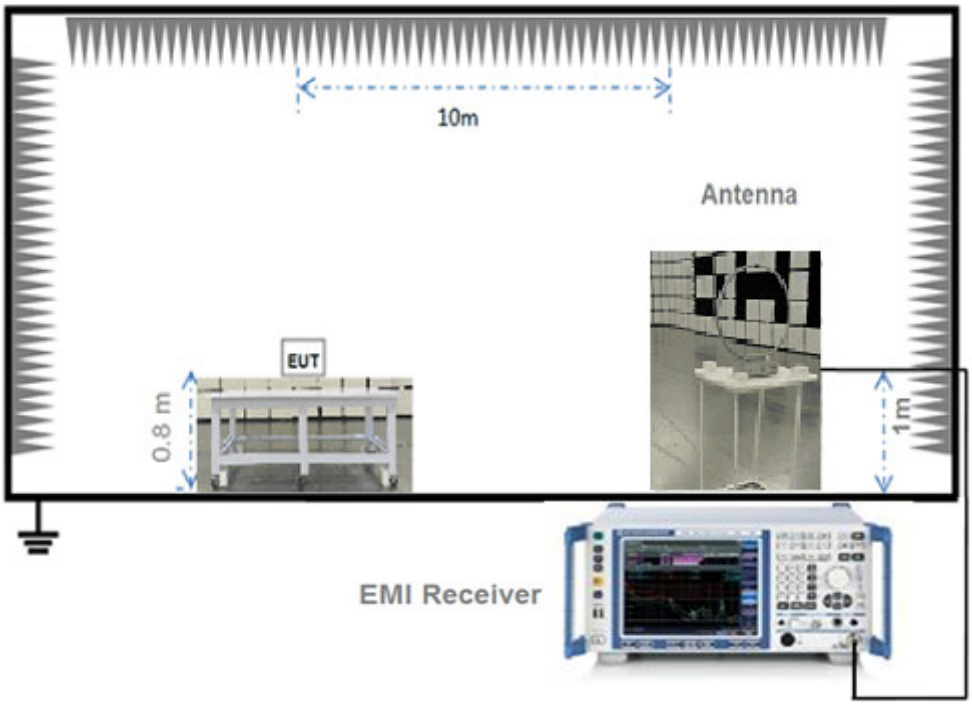
(Diagram 1)

4.5.2For AC Power Supply Port Test



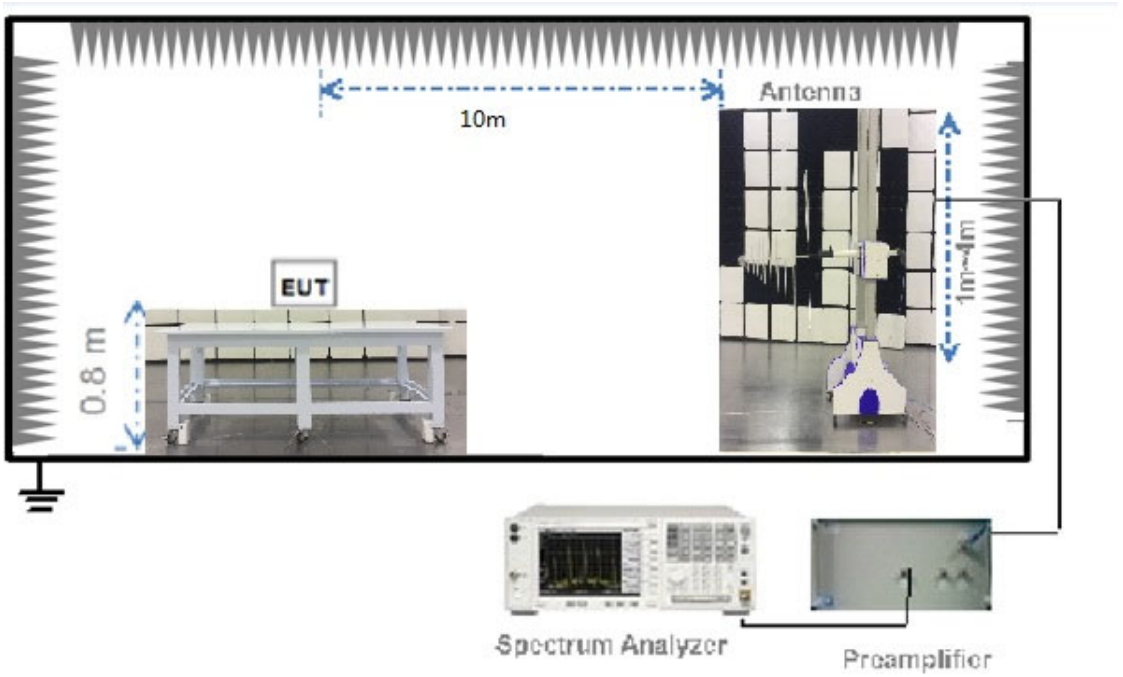
(Diagram 2)

4.5.3For Radiated Test (Below 30 MHz)



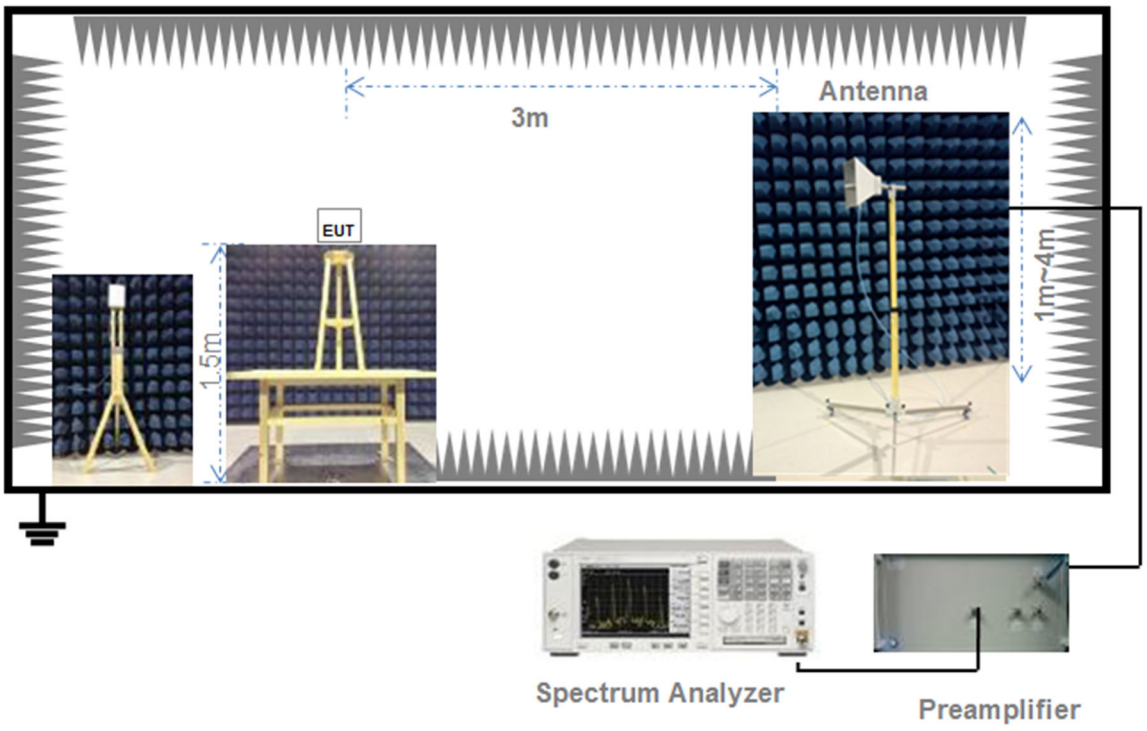
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
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 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note1: Where “B” is the 99% emissions bandwidth in MHz. Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

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

3) The integration period of the power meter exceeds the repetition period of the transmitted signal by

at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

2. Set VBW ≥ 3*RBW,

3. Detector = Peak.

4. Trace mode = Max hold.

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

Occupied Bandwidth

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

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

3. Set VBW ≥ 3*RBW, Detector = Peak.

4. Trace mode = Max hold.

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

6 dB bandwidth

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

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

3. Allow the trace to stabilize.

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

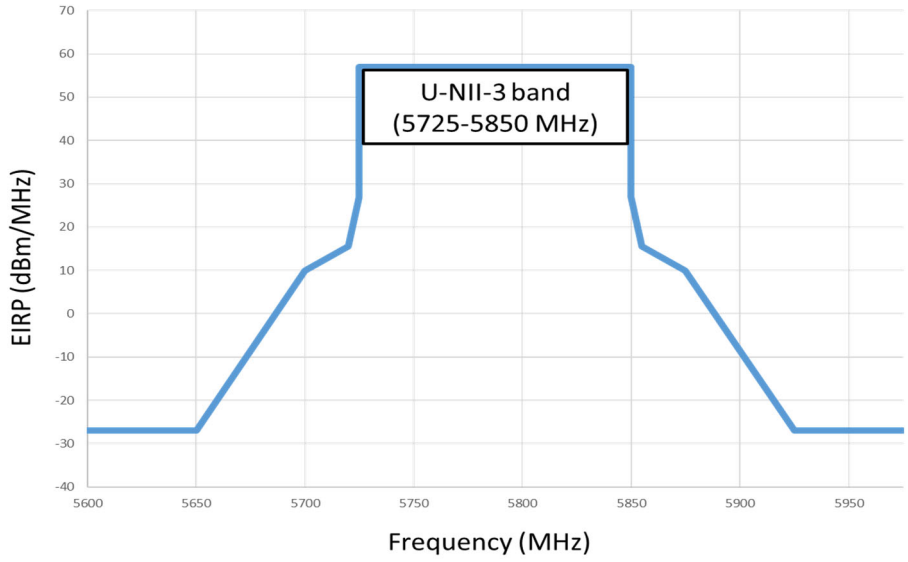
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

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

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

$E = EIRP – 20\log D + 104.8$

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

d) VBW ≥ 3 x RBW.

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

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

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

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

g) Sweep time = auto.

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

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

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Note [2]: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.02	2.25	89.86%	0.46
11n (HT20)/11ac (VHT20)	1.89	2.11	89.21%	0.50
11n (HT40)/11ac (VHT40)	0.93	1.16	80.25%	0.96
11ac (VHT80)	0.93	1.16	80.18%	0.96

Test Data

Conducted Power

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	18.67	73.62	250	Pass
11a	CH44	18.89	77.45	250	Pass
11a	CH48	18.50	70.79	250	Pass
11n (HT20)	CH36	17.51	56.36	250	Pass
11n (HT20)	CH44	17.74	59.43	250	Pass
11n (HT20)	CH48	17.72	59.16	250	Pass
11n (HT40)	CH38	15.01	31.70	250	Pass
11n (HT40)	CH46	17.67	58.48	250	Pass
11ac (VHT20)	CH36	17.87	61.24	250	Pass
11ac (VHT20)	CH44	17.66	58.34	250	Pass
11ac (VHT20)	CH48	17.54	56.75	250	Pass
11ac (VHT40)	CH38	14.52	28.31	250	Pass
11ac (VHT40)	CH46	17.72	59.16	250	Pass
11ac (VHT80)	CH42	13.36	21.68	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	18.43	69.66	232	205	Pass
11a	CH60	18.67	73.62	232	205	Pass
11a	CH64	16.98	49.89	239	206	Pass
11n (HT20)	CH52	17.79	60.12	245	220	Pass
11n (HT20)	CH60	17.74	59.43	245	220	Pass
11n (HT20)	CH64	17.76	59.70	245	220	Pass
11n (HT40)	CH54	17.57	57.15	250	457	Pass
11n (HT40)	CH62	15.44	34.99	250	457	Pass
11ac (VHT20)	CH52	17.63	57.94	245	220	Pass
11ac (VHT20)	CH60	17.73	59.29	245	220	Pass
11ac (VHT20)	CH64	17.53	56.62	245	220	Pass
11ac (VHT40)	CH54	17.48	55.98	250	457	Pass
11ac (VHT40)	CH62	15.40	34.67	250	457	Pass
11ac (VHT80)	CH58	14.32	27.04	250	948	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	18.07	64.12	238	206	Pass
11a	CH116	18.74	74.82	240	206	Pass
11a	CH140	15.56	35.97	240	206	Pass
11n (HT20)	CH100	17.31	53.83	245	220	Pass
11n (HT20)	CH116	17.77	59.84	245	220	Pass
11n (HT20)	CH140	15.14	32.66	245	221	Pass
11n (HT40)	CH102	15.59	36.22	250	457	Pass
11n (HT40)	CH110	17.65	58.21	250	455	Pass
11n (HT40)	CH134	17.48	55.98	250	457	Pass
11ac (VHT20)	CH100	17.31	53.83	245	220	Pass
11ac (VHT20)	CH116	17.59	57.41	245	221	Pass
11ac (VHT20)	CH140	15.14	32.66	246	221	Pass
11ac (VHT40)	CH102	14.92	31.05	250	457	Pass
11ac (VHT40)	CH110	17.83	60.67	250	455	Pass
11ac (VHT40)	CH134	17.55	56.89	250	458	Pass
11ac (VHT80)	CH106	15.60	36.31	250	949	Pass
11ac (VHT80)	CH122	17.75	59.57	250	951	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	18.71	74.30	1000	Pass
11a	CH157	18.57	71.94	1000	Pass
11a	CH165	18.89	77.45	1000	Pass
11n (HT20)	CH149	17.54	56.75	1000	Pass
11n (HT20)	CH157	17.76	59.70	1000	Pass
11n (HT20)	CH165	17.86	61.09	1000	Pass
11n (HT40)	CH151	17.66	58.34	1000	Pass
11n (HT40)	CH159	17.54	56.75	1000	Pass
11ac (VHT20)	CH149	17.83	60.67	1000	Pass
11ac (VHT20)	CH157	17.45	55.59	1000	Pass
11ac (VHT20)	CH165	17.87	61.24	1000	Pass
11ac (VHT40)	CH151	17.85	60.95	1000	Pass
11ac (VHT40)	CH159	17.80	60.26	1000	Pass
11ac (VHT80)	CH155	17.74	59.43	1000	Pass

SISO-Antenna B

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.97	49.77	250	Pass
11a	CH44	17.03	50.47	250	Pass
11a	CH48	16.83	48.19	250	Pass
11n (HT20)	CH36	15.79	37.93	250	Pass
11n (HT20)	CH44	15.71	37.24	250	Pass
11n (HT20)	CH48	15.47	35.24	250	Pass
11n (HT40)	CH38	13.10	20.42	250	Pass
11n (HT40)	CH46	15.83	38.28	250	Pass
11ac (VHT20)	CH36	15.87	38.64	250	Pass
11ac (VHT20)	CH44	15.89	38.82	250	Pass
11ac (VHT20)	CH48	15.71	37.24	250	Pass
11ac (VHT40)	CH38	12.53	17.91	250	Pass
11ac (VHT40)	CH46	12.84	19.23	250	Pass
11ac (VHT80)	CH42	11.41	13.84	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	16.53	44.98	232	205	Pass
11a	CH60	16.64	46.13	232	205	Pass
11a	CH64	15.24	33.42	239	206	Pass
11n (HT20)	CH52	15.65	36.73	245	220	Pass
11n (HT20)	CH60	15.83	38.28	245	220	Pass
11n (HT20)	CH64	15.76	37.67	245	220	Pass
11n (HT40)	CH54	16.00	39.81	250	457	Pass
11n (HT40)	CH62	13.81	24.04	250	457	Pass
11ac (VHT20)	CH52	15.76	37.67	245	220	Pass
11ac (VHT20)	CH60	15.76	37.67	245	220	Pass
11ac (VHT20)	CH64	15.55	35.89	245	220	Pass
11ac (VHT40)	CH54	15.50	35.48	250	457	Pass
11ac (VHT40)	CH62	13.70	23.44	250	457	Pass
11ac (VHT80)	CH58	12.39	17.34	250	948	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	16.21	41.78	238	206	Pass
11a	CH116	16.94	49.43	240	206	Pass
11a	CH140	13.89	24.49	240	206	Pass
11n (HT20)	CH100	15.43	34.91	245	220	Pass
11n (HT20)	CH116	15.82	38.19	245	220	Pass
11n (HT20)	CH140	13.36	21.68	245	221	Pass
11n (HT40)	CH102	13.79	23.93	250	457	Pass
11n (HT40)	CH110	15.83	38.28	250	455	Pass
11n (HT40)	CH134	15.57	36.06	250	457	Pass
11ac (VHT20)	CH100	15.50	35.48	245	220	Pass
11ac (VHT20)	CH116	15.67	36.90	245	221	Pass
11ac (VHT20)	CH140	13.15	20.65	246	221	Pass
11ac (VHT40)	CH102	12.91	19.54	250	457	Pass
11ac (VHT40)	CH110	16.00	39.81	250	455	Pass
11ac (VHT40)	CH134	15.70	37.15	250	458	Pass
11ac (VHT80)	CH106	13.74	23.66	250	949	Pass
11ac (VHT80)	CH122	15.86	38.55	250	951	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	16.65	46.24	1000	Pass
11a	CH157	16.83	48.19	1000	Pass
11a	CH165	16.94	49.43	1000	Pass
11n (HT20)	CH149	15.54	35.81	1000	Pass
11n (HT20)	CH157	15.93	39.17	1000	Pass
11n (HT20)	CH165	16.08	40.55	1000	Pass
11n (HT40)	CH151	15.63	36.56	1000	Pass
11n (HT40)	CH159	15.70	37.15	1000	Pass
11ac (VHT20)	CH149	15.65	36.73	1000	Pass
11ac (VHT20)	CH157	15.70	37.15	1000	Pass
11ac (VHT20)	CH165	16.04	40.18	1000	Pass
11ac (VHT40)	CH151	16.14	41.11	1000	Pass
11ac (VHT40)	CH159	15.78	37.84	1000	Pass
11ac (VHT80)	CH155	15.79	37.93	1000	Pass

MIMO-Antenna A

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.21	26.36	250	Pass
11a	CH44	14.06	25.47	250	Pass
11a	CH48	14.07	25.53	250	Pass
11n (HT20)	CH36	13.08	20.32	250	Pass
11n (HT20)	CH44	13.03	20.09	250	Pass
11n (HT20)	CH48	12.06	16.07	250	Pass
11n (HT40)	CH38	10.02	10.05	250	Pass
11n (HT40)	CH46	13.21	20.94	250	Pass
11ac (VHT20)	CH36	13.02	20.04	250	Pass
11ac (VHT20)	CH44	13.01	20.00	250	Pass
11ac (VHT20)	CH48	13.11	20.46	250	Pass
11ac (VHT40)	CH38	10.09	10.21	250	Pass
11ac (VHT40)	CH46	10.06	10.14	250	Pass
11ac (VHT80)	CH42	7.90	6.17	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	14.01	25.18	232	205	Pass
11a	CH60	14.03	25.29	232	205	Pass
11a	CH64	12.05	16.03	239	206	Pass
11n (HT20)	CH52	13.06	20.23	245	220	Pass
11n (HT20)	CH60	13.06	20.23	245	220	Pass
11n (HT20)	CH64	12.91	19.54	245	220	Pass
11n (HT40)	CH54	13.04	20.14	250	457	Pass
11n (HT40)	CH62	11.06	12.76	250	457	Pass
11ac (VHT20)	CH52	13.12	20.51	245	220	Pass
11ac (VHT20)	CH60	13.09	20.37	245	220	Pass
11ac (VHT20)	CH64	12.96	19.77	245	220	Pass
11ac (VHT40)	CH54	13.02	20.04	250	457	Pass
11ac (VHT40)	CH62	10.08	10.19	250	457	Pass
11ac (VHT80)	CH58	9.10	8.13	250	948	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	13.12	20.51	238	206	Pass
11a	CH116	14.01	25.18	240	206	Pass
11a	CH140	10.91	12.33	240	206	Pass
11n (HT20)	CH100	12.06	16.07	245	220	Pass
11n (HT20)	CH116	13.04	20.14	245	220	Pass
11n (HT20)	CH140	10.18	10.42	245	221	Pass
11n (HT40)	CH102	11.10	12.88	250	457	Pass
11n (HT40)	CH110	13.02	20.04	250	455	Pass
11n (HT40)	CH134	13.06	20.23	250	457	Pass
11ac (VHT20)	CH100	13.16	20.70	245	220	Pass
11ac (VHT20)	CH116	13.01	20.00	245	221	Pass
11ac (VHT20)	CH140	10.19	10.45	246	221	Pass
11ac (VHT40)	CH102	10.14	10.33	250	457	Pass
11ac (VHT40)	CH110	12.91	19.54	250	455	Pass
11ac (VHT40)	CH134	13.04	20.14	250	458	Pass
11ac (VHT80)	CH106	10.96	12.47	250	949	Pass
11ac (VHT80)	CH122	12.97	19.82	250	951	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	14.02	25.23	1000	Pass
11a	CH157	14.11	25.76	1000	Pass
11a	CH165	14.00	25.12	1000	Pass
11n (HT20)	CH149	12.97	19.82	1000	Pass
11n (HT20)	CH157	13.10	20.42	1000	Pass
11n (HT20)	CH165	13.08	20.32	1000	Pass
11n (HT40)	CH151	13.09	20.37	1000	Pass
11n (HT40)	CH159	13.10	20.42	1000	Pass
11ac (VHT20)	CH149	13.02	20.04	1000	Pass
11ac (VHT20)	CH157	13.10	20.42	1000	Pass
11ac (VHT20)	CH165	13.17	20.75	1000	Pass
11ac (VHT40)	CH151	13.10	20.42	1000	Pass
11ac (VHT40)	CH159	13.00	19.95	1000	Pass
11ac (VHT80)	CH155	13.01	20.00	1000	Pass

MIMO-Antenna B

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.26	26.67	250	Pass
11a	CH44	14.14	25.94	250	Pass
11a	CH48	14.01	25.18	250	Pass
11n (HT20)	CH36	12.96	19.77	250	Pass
11n (HT20)	CH44	13.13	20.56	250	Pass
11n (HT20)	CH48	12.08	16.14	250	Pass
11n (HT40)	CH38	9.99	9.98	250	Pass
11n (HT40)	CH46	13.02	20.04	250	Pass
11ac (VHT20)	CH36	13.00	19.95	250	Pass
11ac (VHT20)	CH44	13.19	20.84	250	Pass
11ac (VHT20)	CH48	13.00	19.95	250	Pass
11ac (VHT40)	CH38	10.12	10.28	250	Pass
11ac (VHT40)	CH46	10.08	10.19	250	Pass
11ac (VHT80)	CH42	8.20	6.61	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	13.82	24.10	232	205	Pass
11a	CH60	13.73	23.60	232	205	Pass
11a	CH64	12.11	16.26	239	206	Pass
11n (HT20)	CH52	13.08	20.32	245	220	Pass
11n (HT20)	CH60	12.85	19.28	245	220	Pass
11n (HT20)	CH64	13.02	20.04	245	220	Pass
11n (HT40)	CH54	13.19	20.84	250	457	Pass
11n (HT40)	CH62	11.02	12.65	250	457	Pass
11ac (VHT20)	CH52	13.01	20.00	245	220	Pass
11ac (VHT20)	CH60	13.13	20.56	245	220	Pass
11ac (VHT20)	CH64	13.05	20.18	245	220	Pass
11ac (VHT40)	CH54	13.08	20.32	250	457	Pass
11ac (VHT40)	CH62	11.04	12.71	250	457	Pass
11ac (VHT80)	CH58	9.02	7.98	250	948	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	13.15	20.65	238	206	Pass
11a	CH116	14.04	25.35	240	206	Pass
11a	CH140	11.09	12.85	240	206	Pass
11n (HT20)	CH100	12.00	15.85	245	220	Pass
11n (HT20)	CH116	12.99	19.91	245	220	Pass
11n (HT20)	CH140	10.01	10.02	245	221	Pass
11n (HT40)	CH102	11.04	12.71	250	457	Pass
11n (HT40)	CH110	12.92	19.59	250	455	Pass
11n (HT40)	CH134	13.01	20.00	250	457	Pass
11ac (VHT20)	CH100	13.11	20.46	245	220	Pass
11ac (VHT20)	CH116	13.16	20.70	245	221	Pass
11ac (VHT20)	CH140	10.10	10.23	246	221	Pass
11ac (VHT40)	CH102	10.04	10.09	250	457	Pass
11ac (VHT40)	CH110	13.15	20.65	250	455	Pass
11ac (VHT40)	CH134	13.09	20.37	250	458	Pass
11ac (VHT80)	CH106	11.10	12.88	250	949	Pass
11ac (VHT80)	CH122	13.14	20.61	250	951	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	14.07	25.53	1000	Pass
11a	CH157	14.00	25.12	1000	Pass
11a	CH165	13.98	25.00	1000	Pass
11n (HT20)	CH149	13.05	20.18	1000	Pass
11n (HT20)	CH157	13.08	20.32	1000	Pass
11n (HT20)	CH165	13.10	20.42	1000	Pass
11n (HT40)	CH151	13.00	19.95	1000	Pass
11n (HT40)	CH159	13.03	20.09	1000	Pass
11ac (VHT20)	CH149	13.15	20.65	1000	Pass
11ac (VHT20)	CH157	13.17	20.75	1000	Pass
11ac (VHT20)	CH165	13.03	20.09	1000	Pass
11ac (VHT40)	CH151	13.13	20.56	1000	Pass
11ac (VHT40)	CH159	13.07	20.28	1000	Pass
11ac (VHT80)	CH155	13.16	20.70	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.25	53.03	250	Pass
11a	CH44	17.11	51.41	250	Pass
11a	CH48	17.05	50.70	250	Pass
11n (HT20)	CH36	16.03	40.09	250	Pass
11n (HT20)	CH44	16.09	40.65	250	Pass
11n (HT20)	CH48	15.08	32.21	250	Pass
11n (HT40)	CH38	13.02	20.02	250	Pass
11n (HT40)	CH46	16.13	40.99	250	Pass
11ac (VHT20)	CH36	16.02	40.00	250	Pass
11ac (VHT20)	CH44	16.11	40.84	250	Pass
11ac (VHT20)	CH48	16.07	40.42	250	Pass
11ac (VHT40)	CH38	13.12	20.49	250	Pass
11ac (VHT40)	CH46	13.08	20.33	250	Pass
11ac (VHT80)	CH42	11.06	12.77	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	16.93	49.28	232	205	Pass
11a	CH60	16.89	48.90	232	205	Pass
11a	CH64	15.09	32.29	239	206	Pass
11n (HT20)	CH52	16.08	40.55	245	220	Pass
11n (HT20)	CH60	15.97	39.51	245	220	Pass
11n (HT20)	CH64	15.98	39.59	245	220	Pass
11n (HT40)	CH54	16.13	40.98	250	457	Pass
11n (HT40)	CH62	14.05	25.41	250	457	Pass
11ac (VHT20)	CH52	16.08	40.51	245	220	Pass
11ac (VHT20)	CH60	16.12	40.93	245	220	Pass
11ac (VHT20)	CH64	16.02	39.95	245	220	Pass
11ac (VHT40)	CH54	16.06	40.37	250	457	Pass
11ac (VHT40)	CH62	13.60	22.89	250	457	Pass
11ac (VHT80)	CH58	12.07	16.11	250	948	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	16.15	41.17	238	206	Pass
11a	CH116	17.04	50.53	240	206	Pass
11a	CH140	14.01	25.18	240	206	Pass
11n (HT20)	CH100	15.04	31.92	245	220	Pass
11n (HT20)	CH116	16.03	40.04	245	220	Pass
11n (HT20)	CH140	13.11	20.45	245	221	Pass
11n (HT40)	CH102	14.08	25.59	250	457	Pass
11n (HT40)	CH110	15.98	39.63	250	455	Pass
11n (HT40)	CH134	16.05	40.23	250	457	Pass
11ac (VHT20)	CH100	16.15	41.17	245	220	Pass
11ac (VHT20)	CH116	16.10	40.70	245	221	Pass
11ac (VHT20)	CH140	13.16	20.68	246	221	Pass
11ac (VHT40)	CH102	13.10	20.42	250	457	Pass
11ac (VHT40)	CH110	16.04	40.20	250	455	Pass
11ac (VHT40)	CH134	16.08	40.51	250	458	Pass
11ac (VHT80)	CH106	14.04	25.36	250	949	Pass
11ac (VHT80)	CH122	16.07	40.42	250	951	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	17.06	50.76	1000	Pass
11a	CH157	17.07	50.88	1000	Pass
11a	CH165	17.00	50.12	1000	Pass
11n (HT20)	CH149	16.02	40.00	1000	Pass
11n (HT20)	CH157	16.10	40.74	1000	Pass
11n (HT20)	CH165	16.10	40.74	1000	Pass
11n (HT40)	CH151	16.06	40.32	1000	Pass
11n (HT40)	CH159	16.08	40.51	1000	Pass
11ac (VHT20)	CH149	16.10	40.70	1000	Pass
11ac (VHT20)	CH157	16.15	41.17	1000	Pass
11ac (VHT20)	CH165	16.11	40.84	1000	Pass
11ac (VHT40)	CH151	16.13	40.98	1000	Pass
11ac (VHT40)	CH159	16.05	40.23	1000	Pass
11ac (VHT80)	CH155	16.10	40.70	1000	Pass

E.I.R.P

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	20.69	117.22	163	Pass
11a	CH44	20.91	123.31	163	Pass
11a	CH48	20.52	112.72	163	Pass
11n (HT20)	CH36	19.53	89.74	163	Pass
11n (HT20)	CH44	19.76	94.62	163	Pass
11n (HT20)	CH48	19.74	94.19	175	Pass
11n (HT40)	CH38	17.03	50.47	200	Pass
11n (HT40)	CH46	19.69	93.11	200	Pass
11ac (VHT20)	CH36	19.89	97.50	175	Pass
11ac (VHT20)	CH44	19.68	92.90	175	Pass
11ac (VHT20)	CH48	19.56	90.36	175	Pass
11ac (VHT40)	CH38	16.54	45.08	200	Pass
11ac (VHT40)	CH46	19.74	94.19	200	Pass
11ac (VHT80)	CH42	15.38	34.51	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	20.75	118.85	818	Pass
11a	CH60	20.99	125.60	818	Pass
11a	CH64	19.30	85.11	818	Pass
11n (HT20)	CH52	20.11	102.57	877	Pass
11n (HT20)	CH60	20.06	101.39	877	Pass
11n (HT20)	CH64	20.08	101.86	878	Pass
11n (HT40)	CH54	19.89	97.50	1000	Pass
11n (HT40)	CH62	17.76	59.70	1000	Pass
11ac (VHT20)	CH52	19.95	98.86	877	Pass
11ac (VHT20)	CH60	20.05	101.16	877	Pass
11ac (VHT20)	CH64	19.85	96.61	877	Pass
11ac (VHT40)	CH54	19.80	95.50	1000	Pass
11ac (VHT40)	CH62	17.72	59.16	1000	Pass
11ac (VHT80)	CH58	16.64	46.13	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	20.62	115.35	818	Pass
11a	CH116	21.29	134.59	819	Pass
11a	CH140	18.11	64.71	820	Pass
11n (HT20)	CH100	19.86	96.83	877	Pass
11n (HT20)	CH116	20.32	107.65	878	Pass
11n (HT20)	CH140	17.69	58.75	878	Pass
11n (HT40)	CH102	18.14	65.16	1000	Pass
11n (HT40)	CH110	20.20	104.71	1000	Pass
11n (HT40)	CH134	20.03	100.69	1000	Pass
11ac (VHT20)	CH100	19.86	96.83	877	Pass
11ac (VHT20)	CH116	20.14	103.28	878	Pass
11ac (VHT20)	CH140	17.69	58.75	879	Pass
11ac (VHT40)	CH102	17.47	55.85	1000	Pass
11ac (VHT40)	CH110	20.38	109.14	1000	Pass
11ac (VHT40)	CH134	20.10	102.33	1000	Pass
11ac (VHT80)	CH106	18.15	65.31	1000	Pass
11ac (VHT80)	CH122	20.30	107.15	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	20.90	123.03	Pass
11a	CH157	20.76	119.12	Pass
11a	CH165	21.08	128.23	Pass
11n (HT20)	CH149	19.73	93.97	Pass
11n (HT20)	CH157	19.95	98.86	Pass
11n (HT20)	CH165	20.05	101.16	Pass
11n (HT40)	CH151	19.85	96.61	Pass
11n (HT40)	CH159	19.73	93.97	Pass
11ac (VHT20)	CH149	20.02	100.46	Pass
11ac (VHT20)	CH157	19.64	92.04	Pass
11ac (VHT20)	CH165	20.06	101.39	Pass
11ac (VHT40)	CH151	20.04	100.93	Pass
11ac (VHT40)	CH159	19.99	99.77	Pass
11ac (VHT80)	CH155	19.93	98.40	Pass

SISO-Antenna B

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	18.99	79.25	163	Pass
11a	CH44	19.05	80.35	163	Pass
11a	CH48	18.85	76.74	163	Pass
11n (HT20)	CH36	17.81	60.39	163	Pass
11n (HT20)	CH44	17.73	59.29	163	Pass
11n (HT20)	CH48	17.49	56.10	175	Pass
11n (HT40)	CH38	15.12	32.51	200	Pass
11n (HT40)	CH46	17.85	60.95	200	Pass
11ac (VHT20)	CH36	17.89	61.52	175	Pass
11ac (VHT20)	CH44	17.91	61.80	175	Pass
11ac (VHT20)	CH48	17.73	59.29	175	Pass
11ac (VHT40)	CH38	14.55	28.51	200	Pass
11ac (VHT40)	CH46	14.86	30.62	200	Pass
11ac (VHT80)	CH42	13.43	22.03	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	18.85	76.74	818	Pass
11a	CH60	18.96	78.70	818	Pass
11a	CH64	17.56	57.02	818	Pass
11n (HT20)	CH52	17.97	62.66	877	Pass
11n (HT20)	CH60	18.15	65.31	877	Pass
11n (HT20)	CH64	18.08	64.27	878	Pass
11n (HT40)	CH54	18.32	67.92	1000	Pass
11n (HT40)	CH62	16.13	41.02	1000	Pass
11ac (VHT20)	CH52	18.08	64.27	877	Pass
11ac (VHT20)	CH60	18.08	64.27	877	Pass
11ac (VHT20)	CH64	17.87	61.24	877	Pass
11ac (VHT40)	CH54	17.82	60.53	1000	Pass
11ac (VHT40)	CH62	16.02	39.99	1000	Pass
11ac (VHT80)	CH58	14.71	29.58	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	18.76	75.16	818	Pass
11a	CH116	19.49	88.92	819	Pass
11a	CH140	16.44	44.06	820	Pass
11n (HT20)	CH100	17.98	62.81	877	Pass
11n (HT20)	CH116	18.37	68.71	878	Pass
11n (HT20)	CH140	15.91	38.99	878	Pass
11n (HT40)	CH102	16.34	43.05	1000	Pass
11n (HT40)	CH110	18.38	68.87	1000	Pass
11n (HT40)	CH134	18.12	64.86	1000	Pass
11ac (VHT20)	CH100	18.05	63.83	877	Pass
11ac (VHT20)	CH116	18.22	66.37	878	Pass
11ac (VHT20)	CH140	15.70	37.15	879	Pass
11ac (VHT40)	CH102	15.46	35.16	1000	Pass
11ac (VHT40)	CH110	18.55	71.61	1000	Pass
11ac (VHT40)	CH134	18.25	66.83	1000	Pass
11ac (VHT80)	CH106	16.29	42.56	1000	Pass
11ac (VHT80)	CH122	18.41	69.34	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	18.84	76.56	Pass
11a	CH157	19.02	79.80	Pass
11a	CH165	19.13	81.85	Pass
11n (HT20)	CH149	17.73	59.29	Pass
11n (HT20)	CH157	18.12	64.86	Pass
11n (HT20)	CH165	18.27	67.14	Pass
11n (HT40)	CH151	17.82	60.53	Pass
11n (HT40)	CH159	17.89	61.52	Pass
11ac (VHT20)	CH149	17.84	60.81	Pass
11ac (VHT20)	CH157	17.89	61.52	Pass
11ac (VHT20)	CH165	18.23	66.53	Pass
11ac (VHT40)	CH151	18.33	68.08	Pass
11ac (VHT40)	CH159	17.97	62.66	Pass
11ac (VHT80)	CH155	17.98	62.81	Pass

MIMO-Antenna A

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	16.23	41.98	163	Pass
11a	CH44	16.08	40.55	163	Pass
11a	CH48	16.09	40.64	163	Pass
11n (HT20)	CH36	15.10	32.36	163	Pass
11n (HT20)	CH44	15.05	31.99	163	Pass
11n (HT20)	CH48	14.08	25.59	175	Pass
11n (HT40)	CH38	12.04	16.00	200	Pass
11n (HT40)	CH46	15.23	33.34	200	Pass
11ac (VHT20)	CH36	15.04	31.92	175	Pass
11ac (VHT20)	CH44	15.03	31.84	175	Pass
11ac (VHT20)	CH48	15.13	32.58	175	Pass
11ac (VHT40)	CH38	12.11	16.26	200	Pass
11ac (VHT40)	CH46	12.08	16.14	200	Pass
11ac (VHT80)	CH42	9.92	9.82	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	16.33	42.95	818	Pass
11a	CH60	16.35	43.15	818	Pass
11a	CH64	14.37	27.35	818	Pass
11n (HT20)	CH52	15.38	34.51	877	Pass
11n (HT20)	CH60	15.38	34.51	877	Pass
11n (HT20)	CH64	15.23	33.34	878	Pass
11n (HT40)	CH54	15.36	34.36	1000	Pass
11n (HT40)	CH62	13.38	21.78	1000	Pass
11ac (VHT20)	CH52	15.44	34.99	877	Pass
11ac (VHT20)	CH60	15.41	34.75	877	Pass
11ac (VHT20)	CH64	15.28	33.73	877	Pass
11ac (VHT40)	CH54	15.34	34.20	1000	Pass
11ac (VHT40)	CH62	12.40	17.38	1000	Pass
11ac (VHT80)	CH58	11.42	13.87	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	15.67	36.90	818	Pass
11a	CH116	16.56	45.29	819	Pass
11a	CH140	13.46	22.18	820	Pass
11n (HT20)	CH100	14.61	28.91	877	Pass
11n (HT20)	CH116	15.59	36.22	878	Pass
11n (HT20)	CH140	12.73	18.75	878	Pass
11n (HT40)	CH102	13.65	23.17	1000	Pass
11n (HT40)	CH110	15.57	36.06	1000	Pass
11n (HT40)	CH134	15.61	36.39	1000	Pass
11ac (VHT20)	CH100	15.71	37.24	877	Pass
11ac (VHT20)	CH116	15.56	35.97	878	Pass
11ac (VHT20)	CH140	12.74	18.79	879	Pass
11ac (VHT40)	CH102	12.69	18.58	1000	Pass
11ac (VHT40)	CH110	15.46	35.16	1000	Pass
11ac (VHT40)	CH134	15.59	36.22	1000	Pass
11ac (VHT80)	CH106	13.51	22.44	1000	Pass
11ac (VHT80)	CH122	15.52	35.65	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.21	41.78	Pass
11a	CH157	16.30	42.66	Pass
11a	CH165	16.19	41.59	Pass
11n (HT20)	CH149	15.16	32.81	Pass
11n (HT20)	CH157	15.29	33.81	Pass
11n (HT20)	CH165	15.27	33.65	Pass
11n (HT40)	CH151	15.28	33.73	Pass
11n (HT40)	CH159	15.29	33.81	Pass
11ac (VHT20)	CH149	15.21	33.19	Pass
11ac (VHT20)	CH157	15.29	33.81	Pass
11ac (VHT20)	CH165	15.36	34.36	Pass
11ac (VHT40)	CH151	15.29	33.81	Pass
11ac (VHT40)	CH159	15.19	33.04	Pass
11ac (VHT80)	CH155	15.20	33.11	Pass

MIMO-Antenna B

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	16.28	42.46	163	Pass
11a	CH44	16.16	41.30	163	Pass
11a	CH48	16.03	40.09	163	Pass
11n (HT20)	CH36	14.98	31.48	163	Pass
11n (HT20)	CH44	15.15	32.73	163	Pass
11n (HT20)	CH48	14.10	25.70	175	Pass
11n (HT40)	CH38	12.01	15.89	200	Pass
11n (HT40)	CH46	15.04	31.92	200	Pass
11ac (VHT20)	CH36	15.02	31.77	175	Pass
11ac (VHT20)	CH44	15.21	33.19	175	Pass
11ac (VHT20)	CH48	15.02	31.77	175	Pass
11ac (VHT40)	CH38	12.14	16.37	200	Pass
11ac (VHT40)	CH46	12.10	16.22	200	Pass
11ac (VHT80)	CH42	10.22	10.52	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	16.14	41.11	818	Pass
11a	CH60	16.05	40.27	818	Pass
11a	CH64	14.43	27.73	818	Pass
11n (HT20)	CH52	15.40	34.67	877	Pass
11n (HT20)	CH60	15.17	32.89	877	Pass
11n (HT20)	CH64	15.34	34.20	878	Pass
11n (HT40)	CH54	15.51	35.56	1000	Pass
11n (HT40)	CH62	13.34	21.58	1000	Pass
11ac (VHT20)	CH52	15.33	34.12	877	Pass
11ac (VHT20)	CH60	15.45	35.08	877	Pass
11ac (VHT20)	CH64	15.37	34.43	877	Pass
11ac (VHT40)	CH54	15.40	34.67	1000	Pass
11ac (VHT40)	CH62	13.36	21.68	1000	Pass
11ac (VHT80)	CH58	11.34	13.61	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	15.70	37.15	818	Pass
11a	CH116	16.59	45.60	819	Pass
11a	CH140	13.64	23.12	820	Pass
11n (HT20)	CH100	14.55	28.51	877	Pass
11n (HT20)	CH116	15.54	35.81	878	Pass
11n (HT20)	CH140	12.56	18.03	878	Pass
11n (HT40)	CH102	13.59	22.86	1000	Pass
11n (HT40)	CH110	15.47	35.24	1000	Pass
11n (HT40)	CH134	15.56	35.97	1000	Pass
11ac (VHT20)	CH100	15.66	36.81	877	Pass
11ac (VHT20)	CH116	15.71	37.24	878	Pass
11ac (VHT20)	CH140	12.65	18.41	879	Pass
11ac (VHT40)	CH102	12.59	18.16	1000	Pass
11ac (VHT40)	CH110	15.70	37.15	1000	Pass
11ac (VHT40)	CH134	15.64	36.64	1000	Pass
11ac (VHT80)	CH106	13.65	23.17	1000	Pass
11ac (VHT80)	CH122	15.69	37.07	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.26	42.27	Pass
11a	CH157	16.19	41.59	Pass
11a	CH165	16.17	41.40	Pass
11n (HT20)	CH149	15.24	33.42	Pass
11n (HT20)	CH157	15.27	33.65	Pass
11n (HT20)	CH165	15.29	33.81	Pass
11n (HT40)	CH151	15.19	33.04	Pass
11n (HT40)	CH159	15.22	33.27	Pass
11ac (VHT20)	CH149	15.34	34.20	Pass
11ac (VHT20)	CH157	15.36	34.36	Pass
11ac (VHT20)	CH165	15.22	33.27	Pass
11ac (VHT40)	CH151	15.32	34.04	Pass
11ac (VHT40)	CH159	15.26	33.57	Pass
11ac (VHT80)	CH155	15.35	34.28	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	19.27	84.44	163	Pass
11a	CH44	19.13	81.86	163	Pass
11a	CH48	19.07	80.73	163	Pass
11n (HT20)	CH36	18.05	63.84	163	Pass
11n (HT20)	CH44	18.11	64.72	163	Pass
11n (HT20)	CH48	17.10	51.29	175	Pass
11n (HT40)	CH38	15.04	31.88	200	Pass
11n (HT40)	CH46	18.15	65.26	200	Pass
11ac (VHT20)	CH36	18.04	63.68	175	Pass
11ac (VHT20)	CH44	18.13	65.03	175	Pass
11ac (VHT20)	CH48	18.09	64.35	175	Pass
11ac (VHT40)	CH38	15.14	32.62	200	Pass
11ac (VHT40)	CH46	15.10	32.36	200	Pass
11ac (VHT80)	CH42	13.08	20.34	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	19.25	84.07	818	Pass
11a	CH60	19.21	83.42	818	Pass
11a	CH64	17.41	55.09	818	Pass
11n (HT20)	CH52	18.40	69.19	877	Pass
11n (HT20)	CH60	18.29	67.40	877	Pass
11n (HT20)	CH64	18.30	67.54	878	Pass
11n (HT40)	CH54	18.45	69.92	1000	Pass
11n (HT40)	CH62	16.37	43.35	1000	Pass
11ac (VHT20)	CH52	18.40	69.11	877	Pass
11ac (VHT20)	CH60	18.44	69.83	877	Pass
11ac (VHT20)	CH64	18.34	68.16	877	Pass
11ac (VHT40)	CH54	18.38	68.87	1000	Pass
11ac (VHT40)	CH62	15.92	39.06	1000	Pass
11ac (VHT80)	CH58	14.39	27.48	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	18.70	74.05	818	Pass
11a	CH116	19.59	90.89	819	Pass
11a	CH140	16.56	45.30	820	Pass
11n (HT20)	CH100	17.59	57.42	877	Pass
11n (HT20)	CH116	18.58	72.03	878	Pass
11n (HT20)	CH140	15.66	36.78	878	Pass
11n (HT40)	CH102	16.63	46.03	1000	Pass
11n (HT40)	CH110	18.53	71.29	1000	Pass
11n (HT40)	CH134	18.60	72.37	1000	Pass
11ac (VHT20)	CH100	18.70	74.05	877	Pass
11ac (VHT20)	CH116	18.65	73.21	878	Pass
11ac (VHT20)	CH140	15.71	37.20	879	Pass
11ac (VHT40)	CH102	15.65	36.73	1000	Pass
11ac (VHT40)	CH110	18.59	72.31	1000	Pass
11ac (VHT40)	CH134	18.63	72.87	1000	Pass
11ac (VHT80)	CH106	16.59	45.61	1000	Pass
11ac (VHT80)	CH122	18.62	72.71	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	19.25	84.05	Pass
11a	CH157	19.26	84.25	Pass
11a	CH165	19.19	82.99	Pass
11n (HT20)	CH149	18.21	66.23	Pass
11n (HT20)	CH157	18.29	67.46	Pass
11n (HT20)	CH165	18.29	67.46	Pass
11n (HT40)	CH151	18.25	66.77	Pass
11n (HT40)	CH159	18.27	67.07	Pass
11ac (VHT20)	CH149	18.29	67.39	Pass
11ac (VHT20)	CH157	18.34	68.16	Pass
11ac (VHT20)	CH165	18.30	67.62	Pass
11ac (VHT40)	CH151	18.32	67.85	Pass
11ac (VHT40)	CH159	18.24	66.61	Pass
11ac (VHT80)	CH155	18.29	67.39	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ23A0989-602 Data Part 1.pdf”.

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

Test Data

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	18.43	16.31
11a	CH44	18.44	16.32
11a	CH48	18.45	16.32
11n (HT20)	CH36	18.44	16.31
11n (HT20)	CH44	18.43	16.31
11n (HT20)	CH48	19.43	17.51
11n (HT40)	CH38	41.55	36.29
11n (HT40)	CH46	41.70	36.30
11ac (VHT20)	CH36	19.43	17.50
11ac (VHT20)	CH44	19.41	17.50
11ac (VHT20)	CH48	19.42	17.50
11ac (VHT40)	CH38	41.49	36.26
11ac (VHT40)	CH46	41.68	36.28
11ac (VHT80)	CH42	83.32	75.24

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	18.44	16.31
11a	CH60	18.44	16.32
11a	CH64	18.97	16.33
11n (HT20)	CH52	19.43	17.50
11n (HT20)	CH60	19.44	17.50
11n (HT20)	CH64	19.43	17.51
11n (HT40)	CH54	41.74	36.28
11n (HT40)	CH62	41.58	36.29
11ac (VHT20)	CH52	19.44	17.50
11ac (VHT20)	CH60	19.46	17.50
11ac (VHT20)	CH64	19.47	17.50
11ac (VHT40)	CH54	41.66	36.27
11ac (VHT40)	CH62	41.58	36.28
11ac (VHT80)	CH58	83.54	75.28

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	18.94	16.33
11a	CH116	19.03	16.35
11a	CH140	19.10	16.37
11n (HT20)	CH100	19.46	17.50
11n (HT20)	CH116	19.49	17.51
11n (HT20)	CH140	19.47	17.52
11n (HT40)	CH102	41.58	36.28
11n (HT40)	CH110	41.03	36.13
11n (HT40)	CH134	41.65	36.32
11ac (VHT20)	CH100	19.46	17.51
11ac (VHT20)	CH116	19.48	17.52
11ac (VHT20)	CH140	19.52	17.54
11ac (VHT40)	CH102	41.56	36.31
11ac (VHT40)	CH110	40.94	36.11
11ac (VHT40)	CH134	41.72	36.34
11ac (VHT80)	CH106	83.65	75.40
11ac (VHT80)	CH122	104.40	75.51

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.65	16.38
11a	CH157	19.28	16.37
11a	CH165	19.27	16.37
11n (HT20)	CH149	19.48	17.52
11n (HT20)	CH157	19.47	17.54
11n (HT20)	CH165	19.45	17.54
11n (HT40)	CH151	49.55	36.38
11n (HT40)	CH159	48.46	36.35
11ac (VHT20)	CH149	19.56	17.53
11ac (VHT20)	CH157	19.77	17.54
11ac (VHT20)	CH165	19.56	17.54
11ac (VHT40)	CH151	49.57	36.36
11ac (VHT40)	CH159	47.99	36.34
11ac (VHT80)	CH155	108.30	75.49

A.3 6 dB Bandwidth

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ23A0989-602 Data Part 2.pdf”.

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

Test Data

SISO-Antenna A

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n (HT20)	CH149	17.70	500.00	Pass
11n (HT20)	CH157	17.70	500.00	Pass
11n (HT20)	CH165	17.70	500.00	Pass
11n (HT40)	CH151	35.30	500.00	Pass
11n (HT40)	CH159	35.30	500.00	Pass
11ac (VHT20)	CH149	17.70	500.00	Pass
11ac (VHT20)	CH157	17.70	500.00	Pass
11ac (VHT20)	CH165	17.70	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

A.4 Power Spectral Density

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ23A0989-602 Data Part 3.pdf”.

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

Test Data

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	6.94	11.00	Pass
11a	CH44	6.78	11.00	Pass
11a	CH48	6.77	11.00	Pass
11n (HT20)	CH36	6.12	11.00	Pass
11n (HT20)	CH44	5.97	11.00	Pass
11n (HT20)	CH48	6.57	11.00	Pass
11n (HT40)	CH38	0.37	11.00	Pass
11n (HT40)	CH46	2.88	11.00	Pass
11ac (VHT20)	CH36	5.60	11.00	Pass
11ac (VHT20)	CH44	4.43	11.00	Pass
11ac (VHT20)	CH48	5.20	11.00	Pass
11ac (VHT40)	CH38	-0.02	11.00	Pass
11ac (VHT40)	CH46	2.45	11.00	Pass
11ac (VHT80)	CH42	-4.27	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH52	6.50	11.00	Pass
11a	CH60	6.80	11.00	Pass
11a	CH64	5.26	11.00	Pass
11n (HT20)	CH52	6.25	11.00	Pass
11n (HT20)	CH60	6.12	11.00	Pass
11n (HT20)	CH64	6.40	11.00	Pass
11n (HT40)	CH54	2.90	11.00	Pass
11n (HT40)	CH62	0.88	11.00	Pass
11ac (VHT20)	CH52	5.53	11.00	Pass
11ac (VHT20)	CH60	5.76	11.00	Pass
11ac (VHT20)	CH64	5.60	11.00	Pass
11ac (VHT40)	CH54	1.99	11.00	Pass
11ac (VHT40)	CH62	0.79	11.00	Pass
11ac (VHT80)	CH58	-3.41	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH100	6.80	11.00	Pass
11a	CH116	7.58	11.00	Pass
11a	CH140	4.22	11.00	Pass
11n (HT20)	CH100	5.81	11.00	Pass
11n (HT20)	CH116	6.61	11.00	Pass
11n (HT20)	CH140	3.51	11.00	Pass
11n (HT40)	CH102	1.47	11.00	Pass
11n (HT40)	CH110	3.93	11.00	Pass
11n (HT40)	CH134	3.42	11.00	Pass
11ac (VHT20)	CH100	5.78	11.00	Pass
11ac (VHT20)	CH116	6.72	11.00	Pass
11ac (VHT20)	CH140	3.59	11.00	Pass
11ac (VHT40)	CH102	0.82	11.00	Pass
11ac (VHT40)	CH110	3.89	11.00	Pass
11ac (VHT40)	CH134	3.74	11.00	Pass
11ac (VHT80)	CH106	-1.53	11.00	Pass
11ac (VHT80)	CH122	1.01	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC/IC Limit (dBm/500kHz)	Verdict
11a	CH149	4.50	30.00	Pass
11a	CH157	4.21	30.00	Pass
11a	CH165	4.20	30.00	Pass
11n (HT20)	CH149	3.32	30.00	Pass
11n (HT20)	CH157	3.47	30.00	Pass
11n (HT20)	CH165	3.68	30.00	Pass
11n (HT40)	CH151	0.64	30.00	Pass
11n (HT40)	CH159	0.24	30.00	Pass
11ac (VHT20)	CH149	3.47	30.00	Pass
11ac (VHT20)	CH157	3.49	30.00	Pass
11ac (VHT20)	CH165	3.72	30.00	Pass
11ac (VHT40)	CH151	0.49	30.00	Pass
11ac (VHT40)	CH159	0.39	30.00	Pass
11ac (VHT80)	CH155	-2.94	30.00	Pass

E.I.R.P

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	8.96	10.00	Pass
11a	CH44	8.80	10.00	Pass
11a	CH48	8.79	10.00	Pass
11n (HT20)	CH36	8.14	10.00	Pass
11n (HT20)	CH44	7.99	10.00	Pass
11n (HT20)	CH48	8.59	10.00	Pass
11n (HT40)	CH38	2.39	10.00	Pass
11n (HT40)	CH46	4.90	10.00	Pass
11ac (VHT20)	CH36	7.62	10.00	Pass
11ac (VHT20)	CH44	6.45	10.00	Pass
11ac (VHT20)	CH48	7.22	10.00	Pass
11ac (VHT40)	CH38	2.00	10.00	Pass
11ac (VHT40)	CH46	4.47	10.00	Pass
11ac (VHT80)	CH42	-2.25	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	8.82	Pass
11a	CH60	9.12	Pass
11a	CH64	7.58	Pass
11n (HT20)	CH52	8.57	Pass
11n (HT20)	CH60	8.44	Pass
11n (HT20)	CH64	8.72	Pass
11n (HT40)	CH54	5.22	Pass
11n (HT40)	CH62	3.20	Pass
11ac (VHT20)	CH52	7.85	Pass
11ac (VHT20)	CH60	8.08	Pass
11ac (VHT20)	CH64	7.92	Pass
11ac (VHT40)	CH54	4.31	Pass
11ac (VHT40)	CH62	3.11	Pass
11ac (VHT80)	CH58	-1.09	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	9.35	Pass
11a	CH116	10.13	Pass
11a	CH140	6.77	Pass
11n (HT20)	CH100	8.36	Pass
11n (HT20)	CH116	9.16	Pass
11n (HT20)	CH140	6.06	Pass
11n (HT40)	CH102	4.02	Pass
11n (HT40)	CH110	6.48	Pass
11n (HT40)	CH134	5.97	Pass
11ac (VHT20)	CH100	8.33	Pass
11ac (VHT20)	CH116	9.27	Pass
11ac (VHT20)	CH140	6.14	Pass
11ac (VHT40)	CH102	3.37	Pass
11ac (VHT40)	CH110	6.44	Pass
11ac (VHT40)	CH134	6.29	Pass
11ac (VHT80)	CH106	1.02	Pass
11ac (VHT80)	CH122	3.56	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	6.69	Pass
11a	CH157	6.40	Pass
11a	CH165	6.39	Pass
11n (HT20)	CH149	5.51	Pass
11n (HT20)	CH157	5.66	Pass
11n (HT20)	CH165	5.87	Pass
11n (HT40)	CH151	2.83	Pass
11n (HT40)	CH159	2.43	Pass
11ac (VHT20)	CH149	5.66	Pass
11ac (VHT20)	CH157	5.68	Pass
11ac (VHT20)	CH165	5.91	Pass
11ac (VHT40)	CH151	2.68	Pass
11ac (VHT40)	CH159	2.58	Pass
11ac (VHT80)	CH155	-0.75	Pass

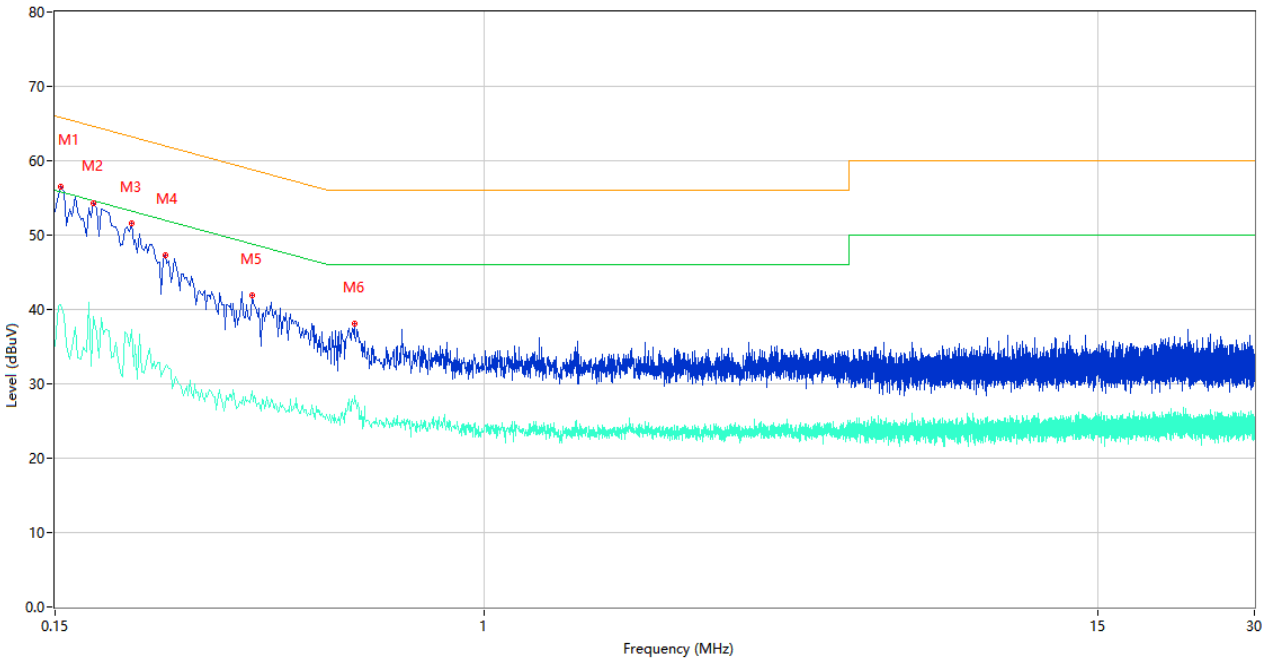
A.5 Conducted Emissions

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

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

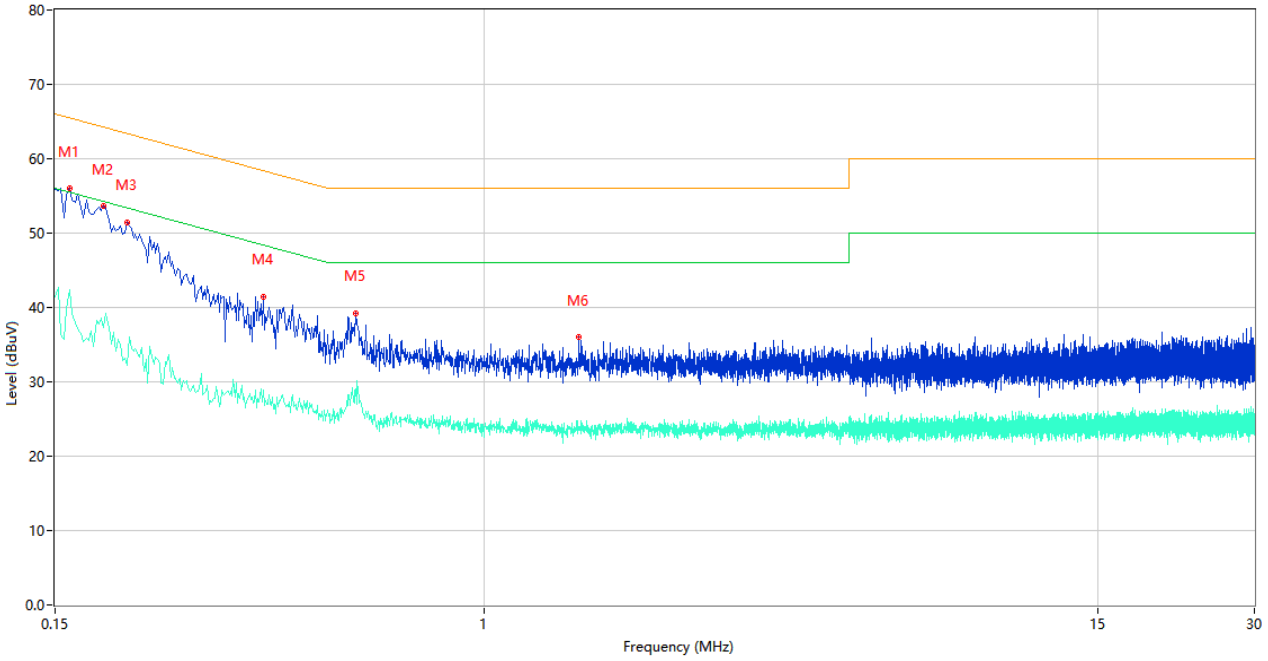
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	56.53	9.78	65.78	9.25	Peak	L	Pass
1**	0.154	40.65	9.78	55.78	15.13	AV	L	Pass
2	0.178	54.30	9.78	64.58	10.28	Peak	L	Pass
2**	0.178	39.01	9.78	54.58	15.57	AV	L	Pass
3	0.210	51.55	9.77	63.21	11.66	Peak	L	Pass
3**	0.210	37.28	9.77	53.21	15.93	AV	L	Pass
4	0.244	47.37	9.77	61.96	14.59	Peak	L	Pass
4**	0.244	32.26	9.77	51.96	19.70	AV	L	Pass
5	0.358	41.98	10.73	58.77	16.79	Peak	L	Pass
5**	0.358	29.02	10.73	48.77	19.75	AV	L	Pass
6	0.562	38.05	10.06	56.00	17.95	Peak	L	Pass
6**	0.562	27.65	10.06	46.00	18.35	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	56.02	9.78	65.46	9.44	Peak	N	Pass
1**	0.160	42.39	9.78	55.46	13.07	AV	N	Pass
2	0.186	53.72	9.78	64.21	10.49	Peak	N	Pass
2**	0.186	37.38	9.78	54.21	16.83	AV	N	Pass
3	0.206	51.43	9.77	63.37	11.94	Peak	N	Pass
3**	0.206	32.23	9.77	53.37	21.14	AV	N	Pass
4	0.376	41.48	10.65	58.37	16.89	Peak	N	Pass
4**	0.376	28.96	10.65	48.37	19.41	AV	N	Pass
5	0.566	39.22	10.07	56.00	16.78	Peak	N	Pass
5**	0.566	29.13	10.07	46.00	16.87	AV	N	Pass
6	1.520	35.97	10.22	56.00	20.03	Peak	N	Pass
6**	1.520	23.86	10.22	46.00	22.14	AV	N	Pass

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

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

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

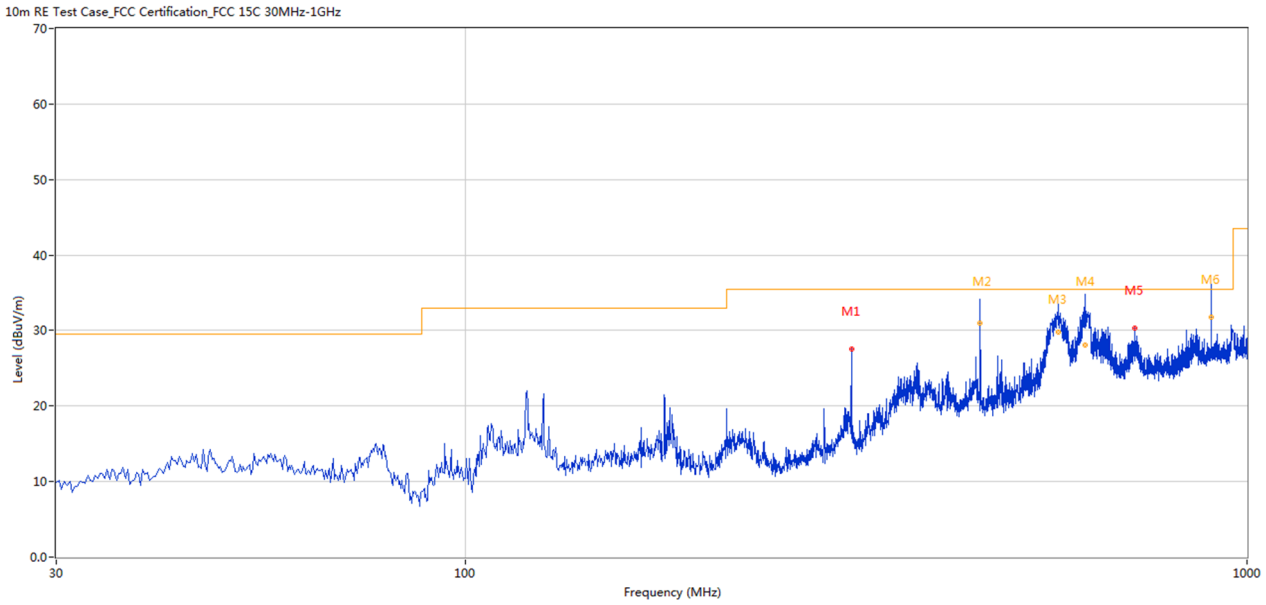
Note [3]: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

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

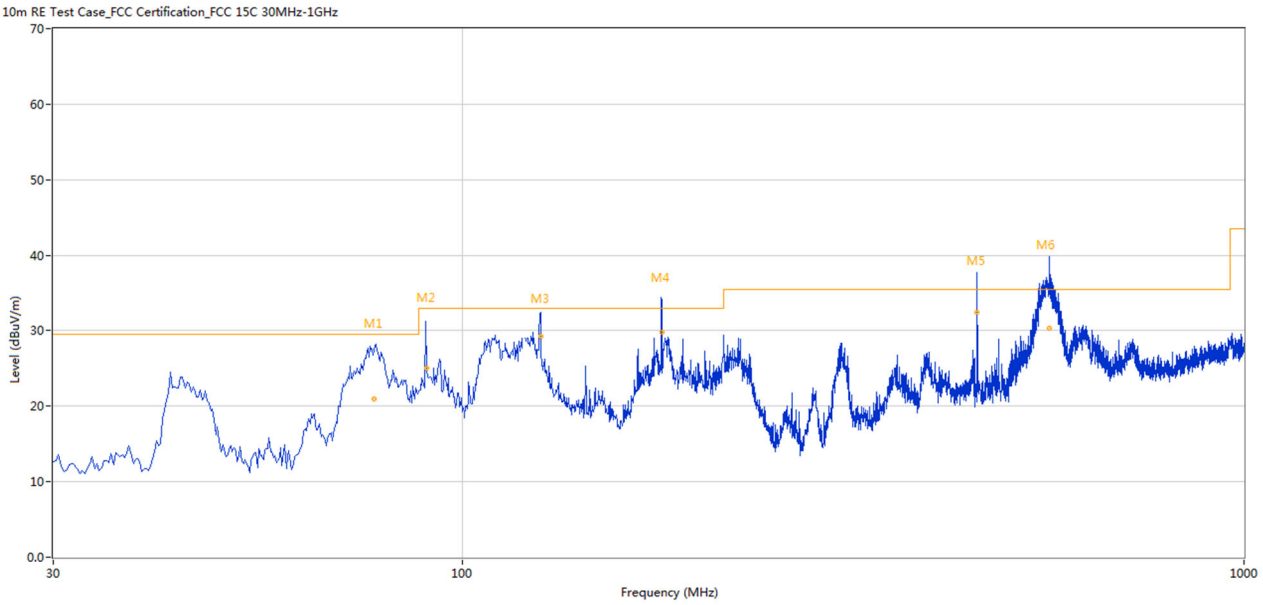
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	311.957	27.60	-24.38	35.5	7.90	Peak	0.00	200	Horizontal	Pass
2	456.000	32.55	-20.50	35.5	2.95	Peak	36.00	196	Horizontal	N/A
2*	456.000	31.02	-20.50	35.5	4.48	QP	36.00	196	Horizontal	Pass
3	573.895	37.20	-17.59	35.5	-1.70	Peak	47.00	158	Horizontal	N/A
3*	573.895	29.85	-17.59	35.5	5.65	QP	47.00	158	Horizontal	Pass
4	620.951	34.70	-16.36	35.5	0.80	Peak	56.00	189	Horizontal	N/A
4*	620.951	28.12	-16.36	35.5	7.38	QP	56.00	189	Horizontal	Pass
5	718.770	30.30	-13.99	35.5	5.20	Peak	144.00	100	Horizontal	Pass
6	900.001	35.60	-10.84	35.5	-0.10	Peak	264.00	123	Horizontal	N/A
6*	900.001	31.71	-10.84	35.5	3.79	QP	264.00	123	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	77.106	24.26	-29.78	29.5	5.24	Peak	0.00	193	Vertical	N/A
1*	77.106	20.92	-29.78	29.5	8.58	QP	0.00	193	Vertical	Pass
2	89.999	30.42	-31.49	33.0	2.58	Peak	0.00	160	Vertical	N/A
2*	89.999	24.99	-31.49	33.0	8.01	QP	0.00	160	Vertical	Pass
3	126.000	33.61	-27.71	33.0	-0.61	Peak	345.00	112	Vertical	N/A
3*	126.000	29.29	-27.71	33.0	3.71	QP	345.00	112	Vertical	Pass
4	179.999	33.54	-26.98	33.0	-0.54	Peak	237.00	105	Vertical	N/A
4*	179.999	29.74	-26.98	33.0	3.26	QP	237.00	105	Vertical	Pass
5	456.000	35.89	-20.50	35.5	-0.39	Peak	226.00	103	Vertical	N/A
5*	456.000	32.49	-20.50	35.5	3.01	QP	226.00	103	Vertical	Pass
6	563.902	35.76	-18.13	35.5	-0.26	Peak	182.00	118	Vertical	N/A
6*	563.902	30.29	-18.13	35.5	5.21	QP	182.00	118	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-Antenna A

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	1200.700	46.40	-18.16	74.0	27.60	Peak	204.00	150	Horizontal	Pass
1**	1200.700	30.17	-18.16	54.0	23.83	AV	204.00	150	Horizontal	Pass
2	2743.000	44.18	-10.66	74.0	29.82	Peak	258.00	150	Horizontal	Pass
2**	2743.000	35.36	-10.66	54.0	18.64	AV	258.00	150	Horizontal	Pass
3	4030.400	48.68	-5.41	74.0	25.32	Peak	219.00	100	Horizontal	Pass
3**	4030.400	38.24	-5.41	54.0	15.76	AV	219.00	100	Horizontal	Pass
4	5179.000	105.43	-3.15	--	--	Peak	278.00	100	Horizontal	N/A
4**	5179.000	98.08	-3.15	--	--	AV	278.00	100	Horizontal	N/A
5	7548.837	48.22	-1.59	74.0	25.78	Peak	245.00	100	Horizontal	Pass
5**	7548.837	39.90	-1.59	54.0	14.10	AV	245.00	100	Horizontal	Pass
6	12289.424	51.25	2.35	74.0	22.75	Peak	256.00	100	Horizontal	Pass
6**	12289.424	41.63	2.35	54.0	12.37	AV	256.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.300	40.91	-17.74	74.0	33.09	Peak	359.00	400	Vertical	Pass
1**	1332.300	30.80	-17.74	54.0	23.20	AV	359.00	400	Vertical	Pass
2	2862.500	44.25	-10.60	74.0	29.75	Peak	1.00	100	Vertical	Pass
2**	2862.500	34.40	-10.60	54.0	19.60	AV	1.00	100	Vertical	Pass
3	4072.000	48.64	-5.36	74.0	25.36	Peak	194.00	200	Vertical	Pass
3**	4072.000	37.94	-5.36	54.0	16.06	AV	194.00	200	Vertical	Pass
4	5181.600	110.11	-3.20	--	--	Peak	350.00	300	Vertical	N/A
4**	5181.600	102.51	-3.20	--	--	AV	350.00	300	Vertical	N/A
5	7449.075	48.86	-2.30	74.0	25.14	Peak	326.00	200	Vertical	Pass
5**	7449.075	38.03	-2.30	54.0	15.97	AV	326.00	200	Vertical	Pass
6	12338.013	51.18	2.10	74.0	22.82	Peak	273.00	400	Vertical	Pass
6**	12338.013	41.75	2.10	54.0	12.25	AV	273.00	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	1202.700	45.25	-18.11	74.0	28.75	Peak	213.00	100	Horizontal	Pass
1**	1202.700	31.04	-18.11	54.0	22.96	AV	213.00	100	Horizontal	Pass
2	2811.200	43.93	-10.83	74.0	30.07	Peak	20.00	100	Horizontal	Pass
2**	2811.200	35.24	-10.83	54.0	18.76	AV	20.00	100	Horizontal	Pass
3	4242.200	48.53	-5.01	74.0	25.47	Peak	126.00	100	Horizontal	Pass
3**	4242.200	39.40	-5.01	54.0	14.60	AV	126.00	100	Horizontal	Pass
4	5223.000	105.44	-3.46	--	--	Peak	118.00	100	Horizontal	N/A
4**	5223.000	98.02	-3.46	--	--	AV	118.00	100	Horizontal	N/A
5	7557.175	49.62	-1.66	74.0	24.38	Peak	7.00	200	Horizontal	Pass
5**	7557.175	39.54	-1.66	54.0	14.46	AV	7.00	200	Horizontal	Pass
6	12261.826	51.06	2.56	74.0	22.94	Peak	335.00	100	Horizontal	Pass
6**	12261.826	41.81	2.56	54.0	12.19	AV	335.00	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	1199.500	42.22	-18.17	74.0	31.78	Peak	227.00	100	Vertical	Pass
1**	1199.500	28.54	-18.17	54.0	25.46	AV	227.00	100	Vertical	Pass
2	2816.100	44.44	-10.68	74.0	29.56	Peak	178.00	400	Vertical	Pass
2**	2816.100	35.08	-10.68	54.0	18.92	AV	178.00	400	Vertical	Pass
3	4333.600	48.65	-4.76	74.0	25.35	Peak	320.00	150	Vertical	Pass
3**	4333.600	38.69	-4.76	54.0	15.31	AV	320.00	150	Vertical	Pass
4	5216.400	109.62	-3.41	--	--	Peak	38.00	100	Vertical	N/A
4**	5216.400	102.23	-3.41	--	--	AV	38.00	100	Vertical	N/A
5	7688.563	48.91	-2.77	74.0	25.09	Peak	144.00	200	Vertical	Pass
5**	7688.563	37.39	-2.77	54.0	16.61	AV	144.00	200	Vertical	Pass
6	11632.201	50.98	2.36	74.0	23.02	Peak	250.00	400	Vertical	Pass
6**	11632.201	42.12	2.36	54.0	11.88	AV	250.00	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	1195.600	40.12	-18.19	74.0	33.88	Peak	208.00	150	Horizontal	Pass
1**	1195.600	30.99	-18.19	54.0	23.01	AV	208.00	150	Horizontal	Pass
2	2736.600	44.26	-10.77	74.0	29.74	Peak	22.00	400	Horizontal	Pass
2**	2736.600	34.39	-10.77	54.0	19.61	AV	22.00	400	Horizontal	Pass
3	4281.200	48.54	-4.76	74.0	25.46	Peak	76.00	100	Horizontal	Pass
3**	4281.200	40.36	-4.76	54.0	13.64	AV	76.00	100	Horizontal	Pass
4	5241.200	104.80	-3.70	--	--	Peak	119.00	400	Horizontal	N/A
4**	5241.200	96.94	-3.70	--	--	AV	119.00	400	Horizontal	N/A
5	7551.138	49.19	-1.58	74.0	24.81	Peak	175.00	150	Horizontal	Pass
5**	7551.138	40.67	-1.58	54.0	13.33	AV	175.00	150	Horizontal	Pass
6	11652.325	51.17	2.55	74.0	22.83	Peak	352.00	400	Horizontal	Pass
6**	11652.325	42.29	2.55	54.0	11.71	AV	352.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.900	40.20	-17.75	74.0	33.80	Peak	194.00	400	Vertical	Pass
1**	1332.900	33.21	-17.75	54.0	20.79	AV	194.00	400	Vertical	Pass
2	2823.200	44.50	-10.52	74.0	29.50	Peak	211.00	400	Vertical	Pass
2**	2823.200	35.04	-10.52	54.0	18.96	AV	211.00	400	Vertical	Pass
3	4369.200	49.23	-4.82	74.0	24.77	Peak	315.00	200	Vertical	Pass
3**	4369.200	38.72	-4.82	54.0	15.28	AV	315.00	200	Vertical	Pass
4	5236.000	108.37	-3.68	--	--	Peak	356.00	400	Vertical	N/A
4**	5236.000	101.06	-3.68	--	--	AV	356.00	400	Vertical	N/A
5	7552.862	48.46	-1.56	74.0	25.54	Peak	206.00	150	Vertical	Pass
5**	7552.862	40.05	-1.56	54.0	13.95	AV	206.00	150	Vertical	Pass
6	12279.937	51.77	2.41	74.0	22.23	Peak	27.00	200	Vertical	Pass
6**	12279.937	41.69	2.41	54.0	12.31	AV	27.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.100	41.19	-18.12	74.0	32.81	Peak	205.00	150	Horizontal	Pass
1**	1202.100	31.91	-18.12	54.0	22.09	AV	205.00	150	Horizontal	Pass
2	2721.100	44.36	-11.05	74.0	29.64	Peak	104.00	400	Horizontal	Pass
2**	2721.100	34.92	-11.05	54.0	19.08	AV	104.00	400	Horizontal	Pass
3	4186.400	48.09	-5.15	74.0	25.91	Peak	120.00	100	Horizontal	Pass
3**	4186.400	39.66	-5.15	54.0	14.34	AV	120.00	100	Horizontal	Pass
4	5182.600	106.58	-3.22	--	--	Peak	270.00	100	Horizontal	N/A
4**	5182.600	98.09	-3.22	--	--	AV	270.00	100	Horizontal	N/A
5	7420.900	48.73	-2.05	74.0	25.27	Peak	215.00	100	Horizontal	Pass
5**	7420.900	38.62	-2.05	54.0	15.38	AV	215.00	100	Horizontal	Pass
6	12302.650	50.96	2.28	74.0	23.04	Peak	279.00	100	Horizontal	Pass
6**	12302.650	41.59	2.28	54.0	12.41	AV	279.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	41.36	-17.75	74.0	32.64	Peak	4.00	200	Vertical	Pass
1**	1333.000	32.97	-17.75	54.0	21.03	AV	4.00	200	Vertical	Pass
2	2871.900	44.49	-10.58	74.0	29.51	Peak	43.00	200	Vertical	Pass
2**	2871.900	35.30	-10.58	54.0	18.70	AV	43.00	200	Vertical	Pass
3	4147.800	48.68	-5.24	74.0	25.32	Peak	135.00	200	Vertical	Pass
3**	4147.800	38.82	-5.24	54.0	15.18	AV	135.00	200	Vertical	Pass
4	5179.800	109.54	-3.16	--	--	Peak	50.00	400	Vertical	N/A
4**	5179.800	100.75	-3.16	--	--	AV	50.00	400	Vertical	N/A
5	7481.275	48.32	-1.86	74.0	25.68	Peak	122.00	100	Vertical	Pass
5**	7481.275	38.64	-1.86	54.0	15.36	AV	122.00	100	Vertical	Pass
6	11641.113	51.27	2.46	74.0	22.73	Peak	100.00	200	Vertical	Pass
6**	11641.113	41.38	2.46	54.0	12.62	AV	100.00	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	1200.200	45.51	-18.16	74.0	28.49	Peak	197.00	150	Horizontal	Pass
1**	1200.200	30.47	-18.16	54.0	23.53	AV	197.00	150	Horizontal	Pass
2	2740.600	44.75	-10.70	74.0	29.25	Peak	14.00	200	Horizontal	Pass
2**	2740.600	35.44	-10.70	54.0	18.56	AV	14.00	200	Horizontal	Pass
3	4338.600	48.97	-4.69	74.0	25.03	Peak	51.00	200	Horizontal	Pass
3**	4338.600	38.84	-4.69	54.0	15.16	AV	51.00	200	Horizontal	Pass
4	5221.400	106.78	-3.42	--	--	Peak	102.00	300	Horizontal	N/A
4**	5221.400	98.67	-3.42	--	--	AV	102.00	300	Horizontal	N/A
5	7419.175	48.84	-2.03	74.0	25.16	Peak	122.00	100	Horizontal	Pass
5**	7419.175	39.44	-2.03	54.0	14.56	AV	122.00	100	Horizontal	Pass
6	11648.012	52.12	2.53	74.0	21.88	Peak	206.00	300	Horizontal	Pass
6**	11648.012	42.48	2.53	54.0	11.52	AV	206.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.400	42.71	-17.74	74.0	31.29	Peak	354.00	200	Vertical	Pass
1**	1332.400	32.94	-17.74	54.0	21.06	AV	354.00	200	Vertical	Pass
2	2750.400	44.39	-10.84	74.0	29.61	Peak	197.00	200	Vertical	Pass
2**	2750.400	33.90	-10.84	54.0	20.10	AV	197.00	200	Vertical	Pass
3	4270.800	48.97	-4.80	74.0	25.03	Peak	165.00	200	Vertical	Pass
3**	4270.800	38.95	-4.80	54.0	15.05	AV	165.00	200	Vertical	Pass
4	5221.800	110.16	-3.43	--	--	Peak	35.00	100	Vertical	N/A
4**	5221.800	102.69	-3.43	--	--	AV	35.00	100	Vertical	N/A
5	7487.888	48.42	-1.85	74.0	25.58	Peak	281.00	150	Vertical	Pass
5**	7487.888	39.90	-1.85	54.0	14.10	AV	281.00	150	Vertical	Pass
6	11637.662	51.49	2.42	74.0	22.51	Peak	113.00	200	Vertical	Pass
6**	11637.662	42.42	2.42	54.0	11.58	AV	113.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.400	43.71	-18.14	74.0	30.29	Peak	293.00	150	Horizontal	Pass
1**	1201.400	30.34	-18.14	54.0	23.66	AV	293.00	150	Horizontal	Pass
2	2742.900	44.90	-10.67	74.0	29.10	Peak	1.00	400	Horizontal	Pass
2**	2742.900	35.21	-10.67	54.0	18.79	AV	1.00	400	Horizontal	Pass
3	4196.600	49.09	-5.26	74.0	24.91	Peak	4.00	150	Horizontal	Pass
3**	4196.600	39.30	-5.26	54.0	14.70	AV	4.00	150	Horizontal	Pass
4	5244.600	107.29	-3.73	--	--	Peak	105.00	400	Horizontal	N/A
4**	5244.600	98.98	-3.73	--	--	AV	105.00	400	Horizontal	N/A
5	7551.712	48.92	-1.57	74.0	25.08	Peak	216.00	100	Horizontal	Pass
5**	7551.712	39.89	-1.57	54.0	14.11	AV	216.00	100	Horizontal	Pass
6	12243.713	51.51	2.65	74.0	22.49	Peak	331.00	400	Horizontal	Pass
6**	12243.713	42.59	2.65	54.0	11.41	AV	331.00	400	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	1072.500	46.67	-18.75	74.0	27.33	Peak	329.00	150	Vertical	Pass
1**	1072.500	28.21	-18.75	54.0	25.79	AV	329.00	150	Vertical	Pass
2	2854.900	44.54	-10.66	74.0	29.46	Peak	254.00	300	Vertical	Pass
2**	2854.900	35.60	-10.66	54.0	18.40	AV	254.00	300	Vertical	Pass
3	4330.200	48.75	-4.80	74.0	25.25	Peak	59.00	200	Vertical	Pass
3**	4330.200	40.61	-4.80	54.0	13.39	AV	59.00	200	Vertical	Pass
4	5241.600	109.47	-3.71	--	--	Peak	30.00	100	Vertical	N/A
4**	5241.600	101.20	-3.71	--	--	AV	30.00	100	Vertical	N/A
5	7406.525	48.78	-1.74	74.0	25.22	Peak	109.00	200	Vertical	Pass
5**	7406.525	40.43	-1.74	54.0	13.57	AV	109.00	200	Vertical	Pass
6	11700.050	52.96	2.30	74.0	21.04	Peak	237.00	300	Vertical	Pass
6**	11700.050	42.49	2.30	54.0	11.51	AV	237.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.600	45.60	-18.18	74.0	28.40	Peak	192.00	150	Horizontal	Pass
1**	1198.600	33.20	-18.18	54.0	20.80	AV	192.00	150	Horizontal	Pass
2	2878.800	44.75	-10.34	74.0	29.25	Peak	0.00	200	Horizontal	Pass
2**	2878.800	35.35	-10.34	54.0	18.65	AV	0.00	200	Horizontal	Pass
3	4271.400	48.72	-4.79	74.0	25.28	Peak	248.00	150	Horizontal	Pass
3**	4271.400	39.54	-4.79	54.0	14.46	AV	248.00	150	Horizontal	Pass
4	5196.000	105.21	-3.27	--	--	Peak	103.00	100	Horizontal	N/A
4**	5196.000	97.29	-3.27	--	--	AV	103.00	100	Horizontal	N/A
5	7398.762	49.37	-1.61	74.0	24.63	Peak	60.00	150	Horizontal	Pass
5**	7398.762	40.45	-1.61	54.0	13.55	AV	60.00	150	Horizontal	Pass
6	12258.662	51.59	2.59	74.0	22.41	Peak	196.00	200	Horizontal	Pass
6**	12258.662	43.05	2.59	54.0	10.95	AV	196.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.600	43.94	-17.71	74.0	30.06	Peak	0.00	300	Vertical	Pass
1**	1330.600	33.59	-17.71	54.0	20.41	AV	0.00	300	Vertical	Pass
2	2743.400	45.02	-10.65	74.0	28.98	Peak	275.00	300	Vertical	Pass
2**	2743.400	35.44	-10.65	54.0	18.56	AV	275.00	300	Vertical	Pass
3	4217.600	49.27	-4.77	74.0	24.73	Peak	356.00	150	Vertical	Pass
3**	4217.600	39.65	-4.77	54.0	14.35	AV	356.00	150	Vertical	Pass
4	5194.800	107.09	-3.28	--	--	Peak	31.00	400	Vertical	N/A
4**	5194.800	99.75	-3.28	--	--	AV	31.00	400	Vertical	N/A
5	7549.412	49.89	-1.60	74.0	24.11	Peak	248.00	200	Vertical	Pass
5**	7549.412	40.24	-1.60	54.0	13.76	AV	248.00	200	Vertical	Pass
6	12242.275	52.20	2.65	74.0	21.80	Peak	59.00	200	Vertical	Pass
6**	12242.275	42.45	2.65	54.0	11.55	AV	59.00	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	1327.200	43.22	-17.65	74.0	30.78	Peak	315.00	400	Horizontal	Pass
1**	1327.200	33.99	-17.65	54.0	20.01	AV	315.00	400	Horizontal	Pass
2	2735.600	44.42	-10.77	74.0	29.58	Peak	143.00	100	Horizontal	Pass
2**	2735.600	36.20	-10.77	54.0	17.80	AV	143.00	100	Horizontal	Pass
3	4318.800	49.02	-4.95	74.0	24.98	Peak	182.00	200	Horizontal	Pass
3**	4318.800	39.68	-4.95	54.0	14.32	AV	182.00	200	Horizontal	Pass
4	5226.800	104.63	-3.49	--	--	Peak	107.00	200	Horizontal	N/A
4**	5226.800	96.51	-3.49	--	--	AV	107.00	200	Horizontal	N/A
5	7409.112	49.18	-1.75	74.0	24.82	Peak	0.00	100	Horizontal	Pass
5**	7409.112	40.50	-1.75	54.0	13.50	AV	0.00	100	Horizontal	Pass
6	12246.875	51.84	2.66	74.0	22.16	Peak	323.00	400	Horizontal	Pass
6**	12246.875	42.30	2.66	54.0	11.70	AV	323.00	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	1331.900	43.15	-17.73	74.0	30.85	Peak	0.00	300	Vertical	Pass
1**	1331.900	35.50	-17.73	54.0	18.50	AV	0.00	300	Vertical	Pass
2	2871.700	45.31	-10.59	74.0	28.69	Peak	174.00	400	Vertical	Pass
2**	2871.700	35.37	-10.59	54.0	18.63	AV	174.00	400	Vertical	Pass
3	4222.800	48.78	-4.70	74.0	25.22	Peak	32.00	150	Vertical	Pass
3**	4222.800	39.22	-4.70	54.0	14.78	AV	32.00	150	Vertical	Pass
4	5227.600	107.72	-3.50	--	--	Peak	32.00	200	Vertical	N/A
4**	5227.600	100.89	-3.50	--	--	AV	32.00	200	Vertical	N/A
5	7392.437	49.16	-1.71	74.0	24.84	Peak	360.00	100	Vertical	Pass
5**	7392.437	40.30	-1.71	54.0	13.70	AV	360.00	100	Vertical	Pass
6	12234.512	52.04	2.63	74.0	21.96	Peak	247.00	200	Vertical	Pass
6**	12234.512	42.13	2.63	54.0	11.87	AV	247.00	200	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	1200.000	46.14	-18.16	74.0	27.86	Peak	285.00	150	Horizontal	Pass
1**	1200.000	31.34	-18.16	54.0	22.66	AV	285.00	150	Horizontal	Pass
2	2713.500	43.68	-11.44	74.0	30.32	Peak	55.00	400	Horizontal	Pass
2**	2713.500	35.27	-11.44	54.0	18.73	AV	55.00	400	Horizontal	Pass
3	4203.400	48.17	-5.18	74.0	25.83	Peak	360.00	150	Horizontal	Pass
3**	4203.400	38.52	-5.18	54.0	15.48	AV	360.00	150	Horizontal	Pass
4	5178.400	105.53	-3.14	--	--	Peak	350.00	300	Horizontal	N/A
4**	5178.400	98.02	-3.14	--	--	AV	350.00	300	Horizontal	N/A
5	7482.425	48.66	-1.82	74.0	25.34	Peak	343.00	100	Horizontal	Pass
5**	7482.425	39.46	-1.82	54.0	14.54	AV	343.00	100	Horizontal	Pass
6	12254.349	51.27	2.63	74.0	22.73	Peak	154.00	300	Horizontal	Pass
6**	12254.349	41.83	2.63	54.0	12.17	AV	154.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.400	40.82	-17.74	74.0	33.18	Peak	2.00	100	Vertical	Pass
1**	1332.400	29.28	-17.74	54.0	24.72	AV	2.00	100	Vertical	Pass
2	2747.800	43.87	-10.78	74.0	30.13	Peak	251.00	400	Vertical	Pass
2**	2747.800	34.67	-10.78	54.0	19.33	AV	251.00	400	Vertical	Pass
3	4298.800	48.70	-4.89	74.0	25.30	Peak	262.00	100	Vertical	Pass
3**	4298.800	39.29	-4.89	54.0	14.71	AV	262.00	100	Vertical	Pass
4	5177.000	108.99	-3.15	--	--	Peak	312.00	300	Vertical	N/A
4**	5177.000	101.53	-3.15	--	--	AV	312.00	300	Vertical	N/A
5	7553.438	48.16	-1.56	74.0	25.84	Peak	1.00	200	Vertical	Pass
5**	7553.438	39.12	-1.56	54.0	14.88	AV	1.00	200	Vertical	Pass
6	12237.388	51.21	2.64	74.0	22.79	Peak	280.00	200	Vertical	Pass
6**	12237.388	42.41	2.64	54.0	11.59	AV	280.00	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	1200.300	44.84	-18.16	74.0	29.16	Peak	254.00	150	Horizontal	Pass
1**	1200.300	31.26	-18.16	54.0	22.74	AV	254.00	150	Horizontal	Pass
2	2839.000	44.92	-10.80	74.0	29.08	Peak	267.00	400	Horizontal	Pass
2**	2839.000	34.04	-10.80	54.0	19.96	AV	267.00	400	Horizontal	Pass
3	4273.000	48.94	-4.76	74.0	25.06	Peak	360.00	200	Horizontal	Pass
3**	4273.000	38.89	-4.76	54.0	15.11	AV	360.00	200	Horizontal	Pass
4	5215.000	104.35	-3.42	--	--	Peak	349.00	100	Horizontal	N/A
4**	5215.000	96.90	-3.42	--	--	AV	349.00	100	Horizontal	N/A
5	7540.212	48.34	-1.67	74.0	25.66	Peak	31.00	200	Horizontal	Pass
5**	7540.212	39.50	-1.67	54.0	14.50	AV	31.00	200	Horizontal	Pass
6	12252.049	50.83	2.65	74.0	23.17	Peak	323.00	200	Horizontal	Pass
6**	12252.049	42.72	2.65	54.0	11.28	AV	323.00	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	1333.900	38.94	-17.75	74.0	35.06	Peak	16.00	400	Vertical	Pass
1**	1333.900	31.27	-17.75	54.0	22.73	AV	16.00	400	Vertical	Pass
2	2845.400	44.27	-10.79	74.0	29.73	Peak	97.00	200	Vertical	Pass
2**	2845.400	34.46	-10.79	54.0	19.54	AV	97.00	200	Vertical	Pass
3	4229.600	48.03	-4.94	74.0	25.97	Peak	263.00	150	Vertical	Pass
3**	4229.600	38.56	-4.94	54.0	15.44	AV	263.00	150	Vertical	Pass
4	5223.000	107.92	-3.46	--	--	Peak	313.00	400	Vertical	N/A
4**	5223.000	100.24	-3.46	--	--	AV	313.00	400	Vertical	N/A
5	7554.300	48.57	-1.56	74.0	25.43	Peak	0.00	100	Vertical	Pass
5**	7554.300	40.17	-1.56	54.0	13.83	AV	0.00	100	Vertical	Pass
6	11636.225	50.87	2.40	74.0	23.13	Peak	1.00	300	Vertical	Pass
6**	11636.225	41.73	2.40	54.0	12.27	AV	1.00	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	1200.300	46.49	-18.16	74.0	27.51	Peak	330.00	150	Horizontal	Pass
1**	1200.300	31.80	-18.16	54.0	22.20	AV	330.00	150	Horizontal	Pass
2	2795.200	44.51	-11.19	74.0	29.49	Peak	53.00	200	Horizontal	Pass
2**	2795.200	34.22	-11.19	54.0	19.78	AV	53.00	200	Horizontal	Pass
3	4251.200	48.28	-4.72	74.0	25.72	Peak	96.00	100	Horizontal	Pass
3**	4251.200	39.49	-4.72	54.0	14.51	AV	96.00	100	Horizontal	Pass
4	5241.400	104.75	-3.70	--	--	Peak	358.00	400	Horizontal	N/A
4**	5241.400	97.08	-3.70	--	--	AV	358.00	400	Horizontal	N/A
5	7499.100	47.97	-1.89	74.0	26.03	Peak	343.00	150	Horizontal	Pass
5**	7499.100	38.23	-1.89	54.0	15.77	AV	343.00	150	Horizontal	Pass
6	11651.750	51.00	2.55	74.0	23.00	Peak	40.00	100	Horizontal	Pass
6**	11651.750	41.71	2.55	54.0	12.29	AV	40.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.900	42.82	-18.19	74.0	31.18	Peak	92.00	150	Vertical	Pass
1**	1196.900	28.33	-18.19	54.0	25.67	AV	92.00	150	Vertical	Pass
2	2848.100	43.84	-10.79	74.0	30.16	Peak	104.00	400	Vertical	Pass
2**	2848.100	35.39	-10.79	54.0	18.61	AV	104.00	400	Vertical	Pass
3	4260.200	48.73	-4.72	74.0	25.27	Peak	75.00	200	Vertical	Pass
3**	4260.200	39.19	-4.72	54.0	14.81	AV	75.00	200	Vertical	Pass
4	5243.000	108.28	-3.72	--	--	Peak	341.00	200	Vertical	N/A
4**	5243.000	101.36	-3.72	--	--	AV	341.00	200	Vertical	N/A
5	7489.612	48.41	-1.82	74.0	25.59	Peak	148.00	200	Vertical	Pass
5**	7489.612	39.34	-1.82	54.0	14.66	AV	148.00	200	Vertical	Pass
6	12237.674	51.36	2.64	74.0	22.64	Peak	188.00	400	Vertical	Pass
6**	12237.674	42.37	2.64	54.0	11.63	AV	188.00	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	1203.500	45.48	-18.13	74.0	28.52	Peak	195.00	150	Horizontal	Pass
1**	1203.500	29.67	-18.13	54.0	24.33	AV	195.00	150	Horizontal	Pass
2	2863.600	43.80	-10.59	74.0	30.20	Peak	1.00	200	Horizontal	Pass
2**	2863.600	34.15	-10.59	54.0	19.85	AV	1.00	200	Horizontal	Pass
3	4071.800	48.50	-5.36	74.0	25.50	Peak	323.00	100	Horizontal	Pass
3**	4071.800	39.36	-5.36	54.0	14.64	AV	323.00	100	Horizontal	Pass
4	5191.800	103.69	-3.24	--	--	Peak	294.00	300	Horizontal	N/A
4**	5191.800	96.94	-3.24	--	--	AV	294.00	300	Horizontal	N/A
5	7557.175	48.61	-1.66	74.0	25.39	Peak	343.00	150	Horizontal	Pass
5**	7557.175	38.94	-1.66	54.0	15.06	AV	343.00	150	Horizontal	Pass
6	12246.013	50.75	2.65	74.0	23.25	Peak	76.00	200	Horizontal	Pass
6**	12246.013	42.14	2.65	54.0	11.86	AV	76.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.800	38.85	-17.65	74.0	35.15	Peak	359.00	300	Vertical	Pass
1**	1327.800	29.87	-17.65	54.0	24.13	AV	359.00	300	Vertical	Pass
2	2878.800	44.47	-10.34	74.0	29.53	Peak	277.00	400	Vertical	Pass
2**	2878.800	35.15	-10.34	54.0	18.85	AV	277.00	400	Vertical	Pass
3	4089.600	48.34	-5.01	74.0	25.66	Peak	125.00	150	Vertical	Pass
3**	4089.600	38.92	-5.01	54.0	15.08	AV	125.00	150	Vertical	Pass
4	5189.200	109.56	-3.17	--	--	Peak	339.00	400	Vertical	N/A
4**	5189.200	102.10	-3.17	--	--	AV	339.00	400	Vertical	N/A
5	7425.500	49.01	-2.11	74.0	24.99	Peak	0.00	150	Vertical	Pass
5**	7425.500	38.45	-2.11	54.0	15.55	AV	0.00	150	Vertical	Pass
6	12221.575	51.50	2.60	74.0	22.50	Peak	133.00	400	Vertical	Pass
6**	12221.575	41.16	2.60	54.0	12.84	AV	133.00	400	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	1198.800	47.62	-18.18	74.0	26.38	Peak	122.00	150	Horizontal	Pass
1**	1198.800	35.77	-18.18	54.0	18.23	AV	122.00	150	Horizontal	Pass
2	2882.200	45.16	-10.12	74.0	28.84	Peak	151.00	150	Horizontal	Pass
2**	2882.200	34.90	-10.12	54.0	19.10	AV	151.00	150	Horizontal	Pass
3	4290.200	48.46	-4.78	74.0	25.54	Peak	83.00	100	Horizontal	Pass
3**	4290.200	40.41	-4.78	54.0	13.59	AV	83.00	100	Horizontal	Pass
4	5226.200	103.61	-3.49	--	--	Peak	147.00	400	Horizontal	N/A
4**	5226.200	95.39	-3.49	--	--	AV	147.00	400	Horizontal	N/A
5	7547.975	48.05	-1.58	74.0	25.95	Peak	268.00	100	Horizontal	Pass
5**	7547.975	39.68	-1.58	54.0	14.32	AV	268.00	100	Horizontal	Pass
6	12228.763	50.92	2.62	74.0	23.08	Peak	132.00	300	Horizontal	Pass
6**	12228.763	41.56	2.62	54.0	12.44	AV	132.00	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	1328.900	42.42	-17.67	74.0	31.58	Peak	360.00	300	Vertical	Pass
1**	1328.900	34.08	-17.67	54.0	19.92	AV	360.00	300	Vertical	Pass
2	2816.200	43.94	-10.68	74.0	30.06	Peak	360.00	200	Vertical	Pass
2**	2816.200	34.43	-10.68	54.0	19.57	AV	360.00	200	Vertical	Pass
3	4257.400	49.80	-4.77	74.0	24.20	Peak	60.00	200	Vertical	Pass
3**	4257.400	40.71	-4.77	54.0	13.29	AV	60.00	200	Vertical	Pass
4	5232.000	105.04	-3.60	--	--	Peak	182.00	100	Vertical	N/A
4**	5232.000	98.50	-3.60	--	--	AV	182.00	100	Vertical	N/A
5	7552.288	47.88	-1.56	74.0	26.12	Peak	7.00	150	Vertical	Pass
5**	7552.288	39.96	-1.56	54.0	14.04	AV	7.00	150	Vertical	Pass
6	12257.800	51.06	2.60	74.0	22.94	Peak	231.00	400	Vertical	Pass
6**	12257.800	42.56	2.60	54.0	11.44	AV	231.00	400	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	1440.100	45.48	-17.57	74.0	28.52	Peak	226.00	150	Horizontal	Pass
1**	1440.100	29.20	-17.57	54.0	24.80	AV	226.00	150	Horizontal	Pass
2	2819.000	44.25	-10.62	74.0	29.75	Peak	235.00	200	Horizontal	Pass
2**	2819.000	34.01	-10.62	54.0	19.99	AV	235.00	200	Horizontal	Pass
3	4254.600	48.01	-4.72	74.0	25.99	Peak	94.00	150	Horizontal	Pass
3**	4254.600	39.07	-4.72	54.0	14.93	AV	94.00	150	Horizontal	Pass
4	5203.200	100.77	-3.35	--	--	Peak	145.00	100	Horizontal	N/A
4**	5203.200	92.30	-3.35	--	--	AV	145.00	100	Horizontal	N/A
5	7556.313	49.54	-1.65	74.0	24.46	Peak	0.00	150	Horizontal	Pass
5**	7556.313	39.77	-1.65	54.0	14.23	AV	0.00	150	Horizontal	Pass
6	12216.688	51.16	2.59	74.0	22.84	Peak	261.00	200	Horizontal	Pass
6**	12216.688	41.30	2.59	54.0	12.70	AV	261.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.800	46.01	-18.18	74.0	27.99	Peak	277.00	150	Vertical	Pass
1**	1198.800	29.33	-18.18	54.0	24.67	AV	277.00	150	Vertical	Pass
2	2817.700	44.34	-10.61	74.0	29.66	Peak	252.00	300	Vertical	Pass
2**	2817.700	35.42	-10.61	54.0	18.58	AV	252.00	300	Vertical	Pass
3	4255.200	48.64	-4.73	74.0	25.36	Peak	23.00	100	Vertical	Pass
3**	4255.200	38.63	-4.73	54.0	15.37	AV	23.00	100	Vertical	Pass
4	5227.800	102.46	-3.51	--	--	Peak	182.00	400	Vertical	N/A
4**	5227.800	94.64	-3.51	--	--	AV	182.00	400	Vertical	N/A
5	7539.925	48.12	-1.68	74.0	25.88	Peak	310.00	100	Vertical	Pass
5**	7539.925	39.56	-1.68	54.0	14.44	AV	310.00	100	Vertical	Pass
6	11695.162	50.96	2.34	74.0	23.04	Peak	163.00	200	Vertical	Pass
6**	11695.162	41.77	2.34	54.0	12.23	AV	163.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1306.900	43.01	-17.47	74.0	30.99	Peak	205.00	150	Horizontal	Pass
1**	1306.900	30.19	-17.47	54.0	23.81	AV	205.00	150	Horizontal	Pass
2	2807.800	44.92	-10.91	74.0	29.08	Peak	209.00	400	Horizontal	Pass
2**	2807.800	35.73	-10.91	54.0	18.27	AV	209.00	400	Horizontal	Pass
3	4348.000	48.76	-4.82	74.0	25.24	Peak	334.00	200	Horizontal	Pass
3**	4348.000	40.24	-4.82	54.0	13.76	AV	334.00	200	Horizontal	Pass
4	5255.400	107.43	-3.79	--	--	Peak	111.00	300	Horizontal	N/A
4**	5255.400	100.06	-3.79	--	--	AV	111.00	300	Horizontal	N/A
5	7554.875	49.43	-1.58	74.0	24.57	Peak	276.00	100	Horizontal	Pass
5**	7554.875	39.84	-1.58	54.0	14.16	AV	276.00	100	Horizontal	Pass
6	11694.012	51.48	2.35	74.0	22.52	Peak	78.00	200	Horizontal	Pass
6**	11694.012	41.90	2.35	54.0	12.10	AV	78.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.100	42.53	-17.65	74.0	31.47	Peak	360.00	200	Vertical	Pass
1**	1328.100	34.14	-17.65	54.0	19.86	AV	360.00	200	Vertical	Pass
2	2810.800	44.78	-10.83	74.0	29.22	Peak	289.00	300	Vertical	Pass
2**	2810.800	34.78	-10.83	54.0	19.22	AV	289.00	300	Vertical	Pass
3	4317.000	49.02	-5.00	74.0	24.98	Peak	197.00	150	Vertical	Pass
3**	4317.000	38.53	-5.00	54.0	15.47	AV	197.00	150	Vertical	Pass
4	5258.400	109.40	-3.82	--	--	Peak	29.00	200	Vertical	N/A
4**	5258.400	102.39	-3.82	--	--	AV	29.00	200	Vertical	N/A
5	7412.850	49.56	-1.88	74.0	24.44	Peak	90.00	200	Vertical	Pass
5**	7412.850	40.59	-1.88	54.0	13.41	AV	90.00	200	Vertical	Pass
6	12381.138	52.24	1.87	74.0	21.76	Peak	163.00	200	Vertical	Pass
6**	12381.138	41.95	1.87	54.0	12.05	AV	163.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.900	46.21	-18.11	74.0	27.79	Peak	168.00	150	Horizontal	Pass
1**	1202.900	31.22	-18.11	54.0	22.78	AV	168.00	150	Horizontal	Pass
2	2814.400	44.36	-10.77	74.0	29.64	Peak	88.00	200	Horizontal	Pass
2**	2814.400	34.95	-10.77	54.0	19.05	AV	88.00	200	Horizontal	Pass
3	4312.600	48.69	-5.01	74.0	25.31	Peak	0.00	100	Horizontal	Pass
3**	4312.600	39.34	-5.01	54.0	14.66	AV	0.00	100	Horizontal	Pass
4	5296.400	105.17	-3.37	--	--	Peak	269.00	300	Horizontal	N/A
4**	5296.400	97.52	-3.37	--	--	AV	269.00	300	Horizontal	N/A
5	7552.000	48.62	-1.56	74.0	25.38	Peak	101.00	200	Horizontal	Pass
5**	7552.000	39.04	-1.56	54.0	14.96	AV	101.00	200	Horizontal	Pass
6	12363.312	52.00	1.97	74.0	22.00	Peak	360.00	200	Horizontal	Pass
6**	12363.312	42.22	1.97	54.0	11.78	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.100	43.46	-18.19	74.0	30.54	Peak	165.00	150	Vertical	Pass
1**	1197.100	30.53	-18.19	54.0	23.47	AV	165.00	150	Vertical	Pass
2	2877.100	43.99	-10.45	74.0	30.01	Peak	207.00	400	Vertical	Pass
2**	2877.100	34.90	-10.45	54.0	19.10	AV	207.00	400	Vertical	Pass
3	4290.400	48.28	-4.78	74.0	25.72	Peak	171.00	200	Vertical	Pass
3**	4290.400	40.23	-4.78	54.0	13.77	AV	171.00	200	Vertical	Pass
4	5299.800	109.63	-3.29	--	--	Peak	11.00	300	Vertical	N/A
4**	5299.800	101.77	-3.29	--	--	AV	11.00	300	Vertical	N/A
5	7544.237	48.64	-1.62	74.0	25.36	Peak	257.00	100	Vertical	Pass
5**	7544.237	40.07	-1.62	54.0	13.93	AV	257.00	100	Vertical	Pass
6	12315.588	51.00	2.22	74.0	23.00	Peak	247.00	400	Vertical	Pass
6**	12315.588	41.47	2.22	54.0	12.53	AV	247.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.600	45.82	-18.18	74.0	28.18	Peak	160.00	150	Horizontal	Pass
1**	1198.600	31.11	-18.18	54.0	22.89	AV	160.00	150	Horizontal	Pass
2	2821.400	44.65	-10.55	74.0	29.35	Peak	23.00	200	Horizontal	Pass
2**	2821.400	34.11	-10.55	54.0	19.89	AV	23.00	200	Horizontal	Pass
3	4296.200	48.48	-4.89	74.0	25.52	Peak	94.00	150	Horizontal	Pass
3**	4296.200	39.71	-4.89	54.0	14.29	AV	94.00	150	Horizontal	Pass
4	5325.000	108.80	-3.24	--	--	Peak	272.00	100	Horizontal	N/A
4**	5325.000	100.97	-3.24	--	--	AV	272.00	100	Horizontal	N/A
5	7604.612	49.05	-2.31	74.0	24.95	Peak	331.00	100	Horizontal	Pass
5**	7604.612	38.84	-2.31	54.0	15.16	AV	331.00	100	Horizontal	Pass
6	12250.325	51.18	2.66	74.0	22.82	Peak	142.00	100	Horizontal	Pass
6**	12250.325	41.91	2.66	54.0	12.09	AV	142.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.700	41.94	-17.66	74.0	32.06	Peak	357.00	150	Vertical	Pass
1**	1328.700	31.76	-17.66	54.0	22.24	AV	357.00	150	Vertical	Pass
2	2843.800	44.29	-10.81	74.0	29.71	Peak	85.00	300	Vertical	Pass
2**	2843.800	34.30	-10.81	54.0	19.70	AV	85.00	300	Vertical	Pass
3	4361.800	48.32	-5.01	74.0	25.68	Peak	109.00	150	Vertical	Pass
3**	4361.800	38.67	-5.01	54.0	15.33	AV	109.00	150	Vertical	Pass
4	5324.600	111.35	-3.24	--	--	Peak	0.00	100	Vertical	N/A
4**	5324.600	103.87	-3.24	--	--	AV	0.00	100	Vertical	N/A
5	7549.987	48.99	-1.61	74.0	25.01	Peak	0.00	200	Vertical	Pass
5**	7549.987	40.62	-1.61	54.0	13.38	AV	0.00	200	Vertical	Pass
6	11664.400	51.08	2.50	74.0	22.92	Peak	0.00	300	Vertical	Pass
6**	11664.400	42.05	2.50	54.0	11.95	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.500	43.93	-18.11	74.0	30.07	Peak	172.00	150	Horizontal	Pass
1**	1202.500	29.87	-18.11	54.0	24.13	AV	172.00	150	Horizontal	Pass
2	2868.700	44.27	-10.60	74.0	29.73	Peak	132.00	300	Horizontal	Pass
2**	2868.700	34.26	-10.60	54.0	19.74	AV	132.00	300	Horizontal	Pass
3	4273.800	48.64	-4.76	74.0	25.36	Peak	256.00	150	Horizontal	Pass
3**	4273.800	38.66	-4.76	54.0	15.34	AV	256.00	150	Horizontal	Pass
4	5265.800	104.22	-3.74	--	--	Peak	343.00	300	Horizontal	N/A
4**	5265.800	96.83	-3.74	--	--	AV	343.00	300	Horizontal	N/A
5	7539.925	48.50	-1.68	74.0	25.50	Peak	37.00	150	Horizontal	Pass
5**	7539.925	39.53	-1.68	54.0	14.47	AV	37.00	150	Horizontal	Pass
6	12240.263	51.46	2.64	74.0	22.54	Peak	100.00	300	Horizontal	Pass
6**	12240.263	41.38	2.64	54.0	12.62	AV	100.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.200	42.72	-18.19	74.0	31.28	Peak	182.00	150	Vertical	Pass
1**	1196.200	29.15	-18.19	54.0	24.85	AV	182.00	150	Vertical	Pass
2	2879.400	44.32	-10.30	74.0	29.68	Peak	211.00	200	Vertical	Pass
2**	2879.400	35.35	-10.30	54.0	18.65	AV	211.00	200	Vertical	Pass
3	4280.200	48.16	-4.81	74.0	25.84	Peak	165.00	100	Vertical	Pass
3**	4280.200	39.22	-4.81	54.0	14.78	AV	165.00	100	Vertical	Pass
4	5258.200	108.51	-3.82	--	--	Peak	8.00	300	Vertical	N/A
4**	5258.200	100.62	-3.82	--	--	AV	8.00	300	Vertical	N/A
5	7384.100	48.38	-1.76	74.0	25.62	Peak	49.00	200	Vertical	Pass
5**	7384.100	38.27	-1.76	54.0	15.73	AV	49.00	200	Vertical	Pass
6	11673.888	51.32	2.46	74.0	22.68	Peak	225.00	100	Vertical	Pass
6**	11673.888	42.24	2.46	54.0	11.76	AV	225.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1031.100	42.94	-18.41	74.0	31.06	Peak	166.00	150	Horizontal	Pass
1**	1031.100	32.93	-18.41	54.0	21.07	AV	166.00	150	Horizontal	Pass
2	2823.100	44.95	-10.52	74.0	29.05	Peak	226.00	400	Horizontal	Pass
2**	2823.100	34.47	-10.52	54.0	19.53	AV	226.00	400	Horizontal	Pass
3	4321.600	48.30	-4.91	74.0	25.70	Peak	63.00	100	Horizontal	Pass
3**	4321.600	38.98	-4.91	54.0	15.02	AV	63.00	100	Horizontal	Pass
4	5297.800	103.05	-3.40	--	--	Peak	270.00	400	Horizontal	N/A
4**	5297.800	94.93	-3.40	--	--	AV	270.00	400	Horizontal	N/A
5	7390.712	49.04	-1.73	74.0	24.96	Peak	18.00	200	Horizontal	Pass
5**	7390.712	38.99	-1.73	54.0	15.01	AV	18.00	200	Horizontal	Pass
6	11638.525	51.27	2.43	74.0	22.73	Peak	39.00	300	Horizontal	Pass
6**	11638.525	41.98	2.43	54.0	12.02	AV	39.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	41.25	-17.75	74.0	32.75	Peak	208.00	150	Vertical	Pass
1**	1333.000	30.21	-17.75	54.0	23.79	AV	208.00	150	Vertical	Pass
2	2796.100	43.67	-11.15	74.0	30.33	Peak	200.00	400	Vertical	Pass
2**	2796.100	35.02	-11.15	54.0	18.98	AV	200.00	400	Vertical	Pass
3	4271.800	48.36	-4.78	74.0	25.64	Peak	265.00	100	Vertical	Pass
3**	4271.800	38.61	-4.78	54.0	15.39	AV	265.00	100	Vertical	Pass
4	5299.800	108.36	-3.29	--	--	Peak	6.00	400	Vertical	N/A
4**	5299.800	100.29	-3.29	--	--	AV	6.00	400	Vertical	N/A
5	7547.112	48.11	-1.58	74.0	25.89	Peak	152.00	150	Vertical	Pass
5**	7547.112	39.12	-1.58	54.0	14.88	AV	152.00	150	Vertical	Pass
6	12250.325	51.08	2.66	74.0	22.92	Peak	17.00	300	Vertical	Pass
6**	12250.325	41.59	2.66	54.0	12.41	AV	17.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.400	45.72	-18.16	74.0	28.28	Peak	140.00	150	Horizontal	Pass
1**	1200.400	29.39	-18.16	54.0	24.61	AV	140.00	150	Horizontal	Pass
2	2863.500	43.85	-10.59	74.0	30.15	Peak	260.00	200	Horizontal	Pass
2**	2863.500	34.32	-10.59	54.0	19.68	AV	260.00	200	Horizontal	Pass
3	4333.200	49.09	-4.76	74.0	24.91	Peak	156.00	150	Horizontal	Pass
3**	4333.200	38.98	-4.76	54.0	15.02	AV	156.00	150	Horizontal	Pass
4	5321.400	106.14	-3.24	--	--	Peak	277.00	100	Horizontal	N/A
4**	5321.400	98.11	-3.24	--	--	AV	277.00	100	Horizontal	N/A
5	7549.987	48.83	-1.61	74.0	25.17	Peak	360.00	200	Horizontal	Pass
5**	7549.987	40.36	-1.61	54.0	13.64	AV	360.00	200	Horizontal	Pass
6	12178.162	50.89	2.26	74.0	23.11	Peak	112.00	300	Horizontal	Pass
6**	12178.162	41.37	2.26	54.0	12.63	AV	112.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.900	42.59	-18.16	74.0	31.41	Peak	164.00	150	Vertical	Pass
1**	1199.900	29.51	-18.16	54.0	24.49	AV	164.00	150	Vertical	Pass
2	2745.300	44.53	-10.75	74.0	29.47	Peak	357.00	300	Vertical	Pass
2**	2745.300	34.25	-10.75	54.0	19.75	AV	357.00	300	Vertical	Pass
3	4106.600	48.59	-5.34	74.0	25.41	Peak	94.00	200	Vertical	Pass
3**	4106.600	38.52	-5.34	54.0	15.48	AV	94.00	200	Vertical	Pass
4	5315.000	108.56	-3.23	--	--	Peak	343.00	100	Vertical	N/A
4**	5315.000	99.95	-3.23	--	--	AV	343.00	100	Vertical	N/A
5	7564.075	48.61	-1.88	74.0	25.39	Peak	355.00	150	Vertical	Pass
5**	7564.075	38.84	-1.88	54.0	15.16	AV	355.00	150	Vertical	Pass
6	11670.438	51.92	2.47	74.0	22.08	Peak	334.00	400	Vertical	Pass
6**	11670.438	41.66	2.47	54.0	12.34	AV	334.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.700	46.58	-18.17	74.0	27.42	Peak	158.00	150	Horizontal	Pass
1**	1199.700	30.61	-18.17	54.0	23.39	AV	158.00	150	Horizontal	Pass
2	2712.900	43.68	-11.45	74.0	30.32	Peak	275.00	100	Horizontal	Pass
2**	2712.900	34.09	-11.45	54.0	19.91	AV	275.00	100	Horizontal	Pass
3	4265.400	48.04	-4.80	74.0	25.96	Peak	63.00	150	Horizontal	Pass
3**	4265.400	38.96	-4.80	54.0	15.04	AV	63.00	150	Horizontal	Pass
4	5276.600	104.31	-3.63	--	--	Peak	278.00	200	Horizontal	N/A
4**	5276.600	96.94	-3.63	--	--	AV	278.00	200	Horizontal	N/A
5	7557.463	48.05	-1.67	74.0	25.95	Peak	268.00	100	Horizontal	Pass
5**	7557.463	39.99	-1.67	54.0	14.01	AV	268.00	100	Horizontal	Pass
6	12246.013	51.63	2.65	74.0	22.37	Peak	174.00	400	Horizontal	Pass
6**	12246.013	42.25	2.65	54.0	11.75	AV	174.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.000	44.54	-18.15	74.0	29.46	Peak	156.00	150	Vertical	Pass
1**	1201.000	33.86	-18.15	54.0	20.14	AV	156.00	150	Vertical	Pass
2	2870.400	44.21	-10.59	74.0	29.79	Peak	211.00	200	Vertical	Pass
2**	2870.400	35.01	-10.59	54.0	18.99	AV	211.00	200	Vertical	Pass
3	4298.200	48.39	-4.89	74.0	25.61	Peak	214.00	100	Vertical	Pass
3**	4298.200	39.19	-4.89	54.0	14.81	AV	214.00	100	Vertical	Pass
4	5274.400	107.45	-3.64	--	--	Peak	1.00	100	Vertical	N/A
4**	5274.400	100.17	-3.64	--	--	AV	1.00	100	Vertical	N/A
5	7563.212	49.08	-1.85	74.0	24.92	Peak	269.00	200	Vertical	Pass
5**	7563.212	38.91	-1.85	54.0	15.09	AV	269.00	200	Vertical	Pass
6	11647.150	51.23	2.52	74.0	22.77	Peak	143.00	100	Vertical	Pass
6**	11647.150	42.16	2.52	54.0	11.84	AV	143.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.000	49.17	-18.15	74.0	24.83	Peak	155.00	150	Horizontal	Pass
1**	1201.000	31.02	-18.15	54.0	22.98	AV	155.00	150	Horizontal	Pass
2	2867.100	44.18	-10.60	74.0	29.82	Peak	292.00	100	Horizontal	Pass
2**	2867.100	34.63	-10.60	54.0	19.37	AV	292.00	100	Horizontal	Pass
3	4276.800	48.12	-4.75	74.0	25.88	Peak	286.00	150	Horizontal	Pass
3**	4276.800	39.71	-4.75	54.0	14.29	AV	286.00	150	Horizontal	Pass
4	5314.400	104.62	-3.24	--	--	Peak	280.00	400	Horizontal	N/A
4**	5314.400	97.26	-3.24	--	--	AV	280.00	400	Horizontal	N/A
5	7505.425	48.31	-1.89	74.0	25.69	Peak	214.00	100	Horizontal	Pass
5**	7505.425	39.04	-1.89	54.0	14.96	AV	214.00	100	Horizontal	Pass
6	12225.313	50.97	2.61	74.0	23.03	Peak	203.00	300	Horizontal	Pass
6**	12225.313	41.77	2.61	54.0	12.23	AV	203.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1129.700	40.75	-18.37	74.0	33.25	Peak	181.00	150	Vertical	Pass
1**	1129.700	28.08	-18.37	54.0	25.92	AV	181.00	150	Vertical	Pass
2	2737.900	44.29	-10.72	74.0	29.71	Peak	92.00	100	Vertical	Pass
2**	2737.900	34.77	-10.72	54.0	19.23	AV	92.00	100	Vertical	Pass
3	4175.000	48.66	-4.87	74.0	25.34	Peak	96.00	150	Vertical	Pass
3**	4175.000	38.75	-4.87	54.0	15.25	AV	96.00	150	Vertical	Pass
4	5304.200	107.45	-3.21	--	--	Peak	350.00	200	Vertical	N/A
4**	5304.200	99.91	-3.21	--	--	AV	350.00	200	Vertical	N/A
5	7546.537	49.36	-1.58	74.0	24.64	Peak	325.00	150	Vertical	Pass
5**	7546.537	39.37	-1.58	54.0	14.63	AV	325.00	150	Vertical	Pass
6	11651.174	50.91	2.55	74.0	23.09	Peak	27.00	200	Vertical	Pass
6**	11651.174	41.91	2.55	54.0	12.09	AV	27.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.500	44.26	-18.17	74.0	29.74	Peak	205.00	150	Horizontal	Pass
1**	1199.500	29.26	-18.17	54.0	24.74	AV	205.00	150	Horizontal	Pass
2	2756.100	44.32	-10.89	74.0	29.68	Peak	113.00	100	Horizontal	Pass
2**	2756.100	35.12	-10.89	54.0	18.88	AV	113.00	100	Horizontal	Pass
3	4320.800	48.26	-4.91	74.0	25.74	Peak	349.00	150	Horizontal	Pass
3**	4320.800	38.73	-4.91	54.0	15.27	AV	349.00	150	Horizontal	Pass
4	5264.000	103.24	-3.77	--	--	Peak	274.00	100	Horizontal	N/A
4**	5264.000	95.37	-3.77	--	--	AV	274.00	100	Horizontal	N/A
5	7544.813	48.88	-1.60	74.0	25.12	Peak	80.00	100	Horizontal	Pass
5**	7544.813	40.83	-1.60	54.0	13.17	AV	80.00	100	Horizontal	Pass
6	12260.963	51.10	2.57	74.0	22.90	Peak	27.00	200	Horizontal	Pass
6**	12260.963	41.82	2.57	54.0	12.18	AV	27.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.900	44.17	-17.69	74.0	29.83	Peak	1.00	200	Vertical	Pass
1**	1329.900	31.82	-17.69	54.0	22.18	AV	1.00	200	Vertical	Pass
2	2745.200	44.15	-10.74	74.0	29.85	Peak	176.00	100	Vertical	Pass
2**	2745.200	34.14	-10.74	54.0	19.86	AV	176.00	100	Vertical	Pass
3	4307.800	48.47	-5.01	74.0	25.53	Peak	78.00	100	Vertical	Pass
3**	4307.800	39.20	-5.01	54.0	14.80	AV	78.00	100	Vertical	Pass
4	5256.000	106.98	-3.81	--	--	Peak	12.00	200	Vertical	N/A
4**	5256.000	99.60	-3.81	--	--	AV	12.00	200	Vertical	N/A
5	7560.337	49.21	-1.76	74.0	24.79	Peak	200.00	150	Vertical	Pass
5**	7560.337	39.45	-1.76	54.0	14.55	AV	200.00	150	Vertical	Pass
6	12253.200	51.15	2.64	74.0	22.85	Peak	179.00	100	Vertical	Pass
6**	12253.200	43.05	2.64	54.0	10.95	AV	179.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.400	43.11	-18.17	74.0	30.89	Peak	258.00	150	Horizontal	Pass
1**	1199.400	30.62	-18.17	54.0	23.38	AV	258.00	150	Horizontal	Pass
2	2727.000	44.19	-10.72	74.0	29.81	Peak	99.00	300	Horizontal	Pass
2**	2727.000	34.53	-10.72	54.0	19.47	AV	99.00	300	Horizontal	Pass
3	4289.400	48.42	-4.77	74.0	25.58	Peak	107.00	150	Horizontal	Pass
3**	4289.400	40.12	-4.77	54.0	13.88	AV	107.00	150	Horizontal	Pass
4	5297.400	104.30	-3.40	--	--	Peak	275.00	100	Horizontal	N/A
4**	5297.400	96.73	-3.40	--	--	AV	275.00	100	Horizontal	N/A
5	7553.438	48.78	-1.56	74.0	25.22	Peak	303.00	100	Horizontal	Pass
5**	7553.438	39.43	-1.56	54.0	14.57	AV	303.00	100	Horizontal	Pass
6	12228.187	51.53	2.62	74.0	22.47	Peak	238.00	200	Horizontal	Pass
6**	12228.187	43.01	2.62	54.0	10.99	AV	238.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	41.03	-17.68	74.0	32.97	Peak	194.00	150	Vertical	Pass
1**	1329.300	31.00	-17.68	54.0	23.00	AV	194.00	150	Vertical	Pass
2	2869.000	44.05	-10.60	74.0	29.95	Peak	265.00	400	Vertical	Pass
2**	2869.000	34.41	-10.60	54.0	19.59	AV	265.00	400	Vertical	Pass
3	4288.600	49.36	-4.77	74.0	24.64	Peak	65.00	150	Vertical	Pass
3**	4288.600	39.82	-4.77	54.0	14.18	AV	65.00	150	Vertical	Pass
4	5303.400	107.70	-3.24	--	--	Peak	350.00	100	Vertical	N/A
4**	5303.400	100.03	-3.24	--	--	AV	350.00	100	Vertical	N/A
5	7386.400	48.91	-1.73	74.0	25.09	Peak	37.00	150	Vertical	Pass
5**	7386.400	38.53	-1.73	54.0	15.47	AV	37.00	150	Vertical	Pass
6	11670.150	51.04	2.48	74.0	22.96	Peak	217.00	400	Vertical	Pass
6**	11670.150	42.86	2.48	54.0	11.14	AV	217.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.400	44.17	-18.16	74.0	29.83	Peak	177.00	150	Horizontal	Pass
1**	1200.400	29.51	-18.16	54.0	24.49	AV	177.00	150	Horizontal	Pass
2	2726.400	43.90	-10.74	74.0	30.10	Peak	36.00	300	Horizontal	Pass
2**	2726.400	34.10	-10.74	54.0	19.90	AV	36.00	300	Horizontal	Pass
3	4227.400	48.89	-4.89	74.0	25.11	Peak	10.00	100	Horizontal	Pass
3**	4227.400	38.46	-4.89	54.0	15.54	AV	10.00	100	Horizontal	Pass
4	5324.400	105.38	-3.24	--	--	Peak	274.00	400	Horizontal	N/A
4**	5324.400	97.17	-3.24	--	--	AV	274.00	400	Horizontal	N/A
5	7546.250	48.62	-1.58	74.0	25.38	Peak	82.00	150	Horizontal	Pass
5**	7546.250	39.14	-1.58	54.0	14.86	AV	82.00	150	Horizontal	Pass
6	11658.937	51.29	2.52	74.0	22.71	Peak	232.00	200	Horizontal	Pass
6**	11658.937	42.35	2.52	54.0	11.65	AV	232.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.700	42.93	-17.71	74.0	31.07	Peak	357.00	400	Vertical	Pass
1**	1330.700	28.69	-17.71	54.0	25.31	AV	357.00	400	Vertical	Pass
2	2785.600	43.84	-11.10	74.0	30.16	Peak	233.00	300	Vertical	Pass
2**	2785.600	34.11	-11.10	54.0	19.89	AV	233.00	300	Vertical	Pass
3	4297.200	48.05	-4.91	74.0	25.95	Peak	350.00	150	Vertical	Pass
3**	4297.200	39.21	-4.91	54.0	14.79	AV	350.00	150	Vertical	Pass
4	5316.200	107.44	-3.21	--	--	Peak	342.00	100	Vertical	N/A
4**	5316.200	99.34	-3.21	--	--	AV	342.00	100	Vertical	N/A
5	7594.550	48.48	-2.29	74.0	25.52	Peak	360.00	150	Vertical	Pass
5**	7594.550	40.02	-2.29	54.0	13.98	AV	360.00	150	Vertical	Pass
6	12252.338	51.41	2.64	74.0	22.59	Peak	91.00	300	Vertical	Pass
6**	12252.338	42.40	2.64	54.0	11.60	AV	91.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.300	44.71	-18.14	74.0	29.29	Peak	167.00	150	Horizontal	Pass
1**	1201.300	33.76	-18.14	54.0	20.24	AV	167.00	150	Horizontal	Pass
2	2877.500	43.91	-10.42	74.0	30.09	Peak	101.00	100	Horizontal	Pass
2**	2877.500	35.05	-10.42	54.0	18.95	AV	101.00	100	Horizontal	Pass
3	4202.800	48.45	-5.20	74.0	25.55	Peak	132.00	150	Horizontal	Pass
3**	4202.800	38.43	-5.20	54.0	15.57	AV	132.00	150	Horizontal	Pass
4	5274.600	102.26	-3.64	--	--	Peak	278.00	100	Horizontal	N/A
4**	5274.600	94.72	-3.64	--	--	AV	278.00	100	Horizontal	N/A
5	7404.513	49.13	-1.70	74.0	24.87	Peak	29.00	100	Horizontal	Pass
5**	7404.513	39.09	-1.70	54.0	14.91	AV	29.00	100	Horizontal	Pass
6	12179.313	51.28	2.28	74.0	22.72	Peak	221.00	200	Horizontal	Pass
6**	12179.313	40.80	2.28	54.0	13.20	AV	221.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.800	40.48	-18.18	74.0	33.52	Peak	161.00	150	Vertical	Pass
1**	1197.800	29.97	-18.18	54.0	24.03	AV	161.00	150	Vertical	Pass
2	2870.800	44.12	-10.59	74.0	29.88	Peak	271.00	100	Vertical	Pass
2**	2870.800	35.03	-10.59	54.0	18.97	AV	271.00	100	Vertical	Pass
3	4273.600	48.15	-4.76	74.0	25.85	Peak	0.00	200	Vertical	Pass
3**	4273.600	39.43	-4.76	54.0	14.57	AV	0.00	200	Vertical	Pass
4	5274.800	104.53	-3.64	--	--	Peak	48.00	200	Vertical	N/A
4**	5274.800	97.03	-3.64	--	--	AV	48.00	200	Vertical	N/A
5	7548.263	48.29	-1.59	74.0	25.71	Peak	283.00	150	Vertical	Pass
5**	7548.263	39.88	-1.59	54.0	14.12	AV	283.00	150	Vertical	Pass
6	11675.037	52.02	2.46	74.0	21.98	Peak	252.00	400	Vertical	Pass
6**	11675.037	42.49	2.46	54.0	11.51	AV	252.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.400	43.90	-18.18	74.0	30.10	Peak	319.00	150	Horizontal	Pass
1**	1198.400	30.84	-18.18	54.0	23.16	AV	319.00	150	Horizontal	Pass
2	2870.500	43.78	-10.59	74.0	30.22	Peak	164.00	300	Horizontal	Pass
2**	2870.500	34.74	-10.59	54.0	19.26	AV	164.00	300	Horizontal	Pass
3	4288.000	48.30	-4.76	74.0	25.70	Peak	4.00	150	Horizontal	Pass
3**	4288.000	39.28	-4.76	54.0	14.72	AV	4.00	150	Horizontal	Pass
4	5312.600	102.35	-3.26	--	--	Peak	275.00	100	Horizontal	N/A
4**	5312.600	94.17	-3.26	--	--	AV	275.00	100	Horizontal	N/A
5	7546.250	48.61	-1.58	74.0	25.39	Peak	146.00	150	Horizontal	Pass
5**	7546.250	39.63	-1.58	54.0	14.37	AV	146.00	150	Horizontal	Pass
6	12224.451	51.28	2.61	74.0	22.72	Peak	232.00	200	Horizontal	Pass
6**	12224.451	42.37	2.61	54.0	11.63	AV	232.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.900	40.89	-18.18	74.0	33.11	Peak	215.00	150	Vertical	Pass
1**	1197.900	29.12	-18.18	54.0	24.88	AV	215.00	150	Vertical	Pass
2	2801.800	44.77	-11.11	74.0	29.23	Peak	24.00	400	Vertical	Pass
2**	2801.800	35.95	-11.11	54.0	18.05	AV	24.00	400	Vertical	Pass
3	4273.600	48.63	-4.76	74.0	25.37	Peak	269.00	150	Vertical	Pass
3**	4273.600	39.58	-4.76	54.0	14.42	AV	269.00	150	Vertical	Pass
4	5315.200	104.74	-3.23	--	--	Peak	341.00	400	Vertical	N/A
4**	5315.200	97.27	-3.23	--	--	AV	341.00	400	Vertical	N/A
5	7406.237	48.70	-1.74	74.0	25.30	Peak	81.00	200	Vertical	Pass
5**	7406.237	39.49	-1.74	54.0	14.51	AV	81.00	200	Vertical	Pass
6	11658.075	51.41	2.52	74.0	22.59	Peak	186.00	100	Vertical	Pass
6**	11658.075	42.44	2.52	54.0	11.56	AV	186.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.700	41.13	-17.75	74.0	32.87	Peak	282.00	150	Horizontal	Pass
1**	1332.700	29.09	-17.75	54.0	24.91	AV	282.00	150	Horizontal	Pass
2	2864.700	44.04	-10.58	74.0	29.96	Peak	358.00	300	Horizontal	Pass
2**	2864.700	34.42	-10.58	54.0	19.58	AV	358.00	300	Horizontal	Pass
3	4284.400	48.57	-4.68	74.0	25.43	Peak	356.00	150	Horizontal	Pass
3**	4284.400	40.01	-4.68	54.0	13.99	AV	356.00	150	Horizontal	Pass
4	5274.000	99.39	-3.64	--	--	Peak	271.00	100	Horizontal	N/A
4**	5274.000	91.64	-3.64	--	--	AV	271.00	100	Horizontal	N/A
5	7535.037	49.01	-1.75	74.0	24.99	Peak	227.00	100	Horizontal	Pass
5**	7535.037	39.18	-1.75	54.0	14.82	AV	227.00	100	Horizontal	Pass
6	12210.076	51.42	2.58	74.0	22.58	Peak	342.00	200	Horizontal	Pass
6**	12210.076	41.85	2.58	54.0	12.15	AV	342.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.700	43.30	-17.75	74.0	30.70	Peak	5.00	200	Vertical	Pass
1**	1332.700	29.44	-17.75	54.0	24.56	AV	5.00	200	Vertical	Pass
2	2740.800	43.95	-10.70	74.0	30.05	Peak	118.00	100	Vertical	Pass
2**	2740.800	34.14	-10.70	54.0	19.86	AV	118.00	100	Vertical	Pass
3	4284.200	48.94	-4.68	74.0	25.06	Peak	272.00	150	Vertical	Pass
3**	4284.200	39.71	-4.68	54.0	14.29	AV	272.00	150	Vertical	Pass
4	5303.600	101.73	-3.22	--	--	Peak	343.00	100	Vertical	N/A
4**	5303.600	93.87	-3.22	--	--	AV	343.00	100	Vertical	N/A
5	7555.737	48.47	-1.62	74.0	25.53	Peak	270.00	150	Vertical	Pass
5**	7555.737	41.01	-1.62	54.0	12.99	AV	270.00	150	Vertical	Pass
6	11672.450	52.02	2.47	74.0	21.98	Peak	154.00	400	Vertical	Pass
6**	11672.450	42.40	2.47	54.0	11.60	AV	154.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.100	45.63	-18.17	74.0	28.37	Peak	125.00	150	Horizontal	Pass
1**	1199.100	31.73	-18.17	54.0	22.27	AV	125.00	150	Horizontal	Pass
2	2879.600	44.25	-10.29	74.0	29.75	Peak	185.00	400	Horizontal	Pass
2**	2879.600	34.87	-10.29	54.0	19.13	AV	185.00	400	Horizontal	Pass
3	4268.400	48.21	-4.82	74.0	25.79	Peak	57.00	200	Horizontal	Pass
3**	4268.400	39.10	-4.82	54.0	14.90	AV	57.00	200	Horizontal	Pass
4	5496.600	107.23	-2.80	--	--	Peak	137.00	200	Horizontal	N/A
4**	5496.600	99.37	-2.80	--	--	AV	137.00	200	Horizontal	N/A
5	7489.900	48.15	-1.82	74.0	25.85	Peak	196.00	150	Horizontal	Pass
5**	7489.900	39.40	-1.82	54.0	14.60	AV	196.00	150	Horizontal	Pass
6	11664.687	51.31	2.50	74.0	22.69	Peak	90.00	200	Horizontal	Pass
6**	11664.687	41.86	2.50	54.0	12.14	AV	90.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	42.12	-17.57	74.0	31.88	Peak	159.00	150	Vertical	Pass
1**	1440.100	29.91	-17.57	54.0	24.09	AV	159.00	150	Vertical	Pass
2	2830.500	44.04	-10.67	74.0	29.96	Peak	69.00	100	Vertical	Pass
2**	2830.500	33.98	-10.67	54.0	20.02	AV	69.00	100	Vertical	Pass
3	4317.400	48.52	-4.99	74.0	25.48	Peak	270.00	100	Vertical	Pass
3**	4317.400	39.12	-4.99	54.0	14.88	AV	270.00	100	Vertical	Pass
4	5502.200	109.06	-2.89	--	--	Peak	117.00	400	Vertical	N/A
4**	5502.200	101.02	-2.89	--	--	AV	117.00	400	Vertical	N/A
5	7521.238	48.06	-1.60	74.0	25.94	Peak	39.00	200	Vertical	Pass
5**	7521.238	37.69	-1.60	54.0	16.31	AV	39.00	200	Vertical	Pass
6	12279.937	50.83	2.41	74.0	23.17	Peak	0.00	100	Vertical	Pass
6**	12279.937	40.81	2.41	54.0	13.19	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1310.000	43.75	-17.48	74.0	30.25	Peak	199.00	200	Horizontal	Pass
1**	1310.000	30.94	-17.48	54.0	23.06	AV	199.00	200	Horizontal	Pass
2	2740.700	43.93	-10.70	74.0	30.07	Peak	261.00	400	Horizontal	Pass
2**	2740.700	34.60	-10.70	54.0	19.40	AV	261.00	400	Horizontal	Pass
3	4285.400	48.26	-4.71	74.0	25.74	Peak	18.00	150	Horizontal	Pass
3**	4285.400	39.39	-4.71	54.0	14.61	AV	18.00	150	Horizontal	Pass
4	5577.200	107.23	-3.17	--	--	Peak	140.00	200	Horizontal	N/A
4**	5577.200	98.46	-3.17	--	--	AV	140.00	200	Horizontal	N/A
5	7592.538	47.70	-2.36	74.0	26.30	Peak	164.00	150	Horizontal	Pass
5**	7592.538	39.96	-2.36	54.0	14.04	AV	164.00	150	Horizontal	Pass
6	12334.850	51.27	2.12	74.0	22.73	Peak	206.00	300	Horizontal	Pass
6**	12334.850	40.91	2.12	54.0	13.09	AV	206.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.400	42.00	-17.74	74.0	32.00	Peak	207.00	400	Vertical	Pass
1**	1332.400	32.94	-17.74	54.0	21.06	AV	207.00	400	Vertical	Pass
2	2741.500	43.72	-10.71	74.0	30.28	Peak	219.00	400	Vertical	Pass
2**	2741.500	34.49	-10.71	54.0	19.51	AV	219.00	400	Vertical	Pass
3	4286.000	48.36	-4.73	74.0	25.64	Peak	192.00	100	Vertical	Pass
3**	4286.000	39.17	-4.73	54.0	14.83	AV	192.00	100	Vertical	Pass
4	5582.200	109.42	-3.25	--	--	Peak	96.00	300	Vertical	N/A
4**	5582.200	102.06	-3.25	--	--	AV	96.00	300	Vertical	N/A
5	7579.888	48.20	-2.23	74.0	25.80	Peak	343.00	100	Vertical	Pass
5**	7579.888	39.02	-2.23	54.0	14.98	AV	343.00	100	Vertical	Pass
6	11656.350	50.83	2.53	74.0	23.17	Peak	217.00	300	Vertical	Pass
6**	11656.350	41.89	2.53	54.0	12.11	AV	217.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1321.600	44.47	-17.53	74.0	29.53	Peak	208.00	400	Horizontal	Pass
1**	1321.600	29.58	-17.53	54.0	24.42	AV	208.00	400	Horizontal	Pass
2	2882.800	44.28	-10.13	74.0	29.72	Peak	352.00	150	Horizontal	Pass
2**	2882.800	35.23	-10.13	54.0	18.77	AV	352.00	150	Horizontal	Pass
3	4272.400	48.69	-4.77	74.0	25.31	Peak	156.00	150	Horizontal	Pass
3**	4272.400	39.11	-4.77	54.0	14.89	AV	156.00	150	Horizontal	Pass
4	5706.200	108.37	-3.82	--	--	Peak	149.00	400	Horizontal	N/A
4**	5706.200	101.03	-3.82	--	--	AV	149.00	400	Horizontal	N/A
5	7550.275	48.13	-1.61	74.0	25.87	Peak	89.00	150	Horizontal	Pass
5**	7550.275	39.58	-1.61	54.0	14.42	AV	89.00	150	Horizontal	Pass
6	11665.263	51.03	2.50	74.0	22.97	Peak	301.00	200	Horizontal	Pass
6**	11665.263	41.28	2.50	54.0	12.72	AV	301.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.500	40.66	-17.65	74.0	33.34	Peak	0.00	300	Vertical	Pass
1**	1327.500	29.53	-17.65	54.0	24.47	AV	0.00	300	Vertical	Pass
2	2817.200	45.29	-10.63	74.0	28.71	Peak	103.00	300	Vertical	Pass
2**	2817.200	35.98	-10.63	54.0	18.02	AV	103.00	300	Vertical	Pass
3	4324.600	47.87	-4.87	74.0	26.13	Peak	327.00	100	Vertical	Pass
3**	4324.600	38.83	-4.87	54.0	15.17	AV	327.00	100	Vertical	Pass
4	5696.000	109.34	-3.92	--	--	Peak	119.00	100	Vertical	N/A
4**	5696.000	101.56	-3.92	--	--	AV	119.00	100	Vertical	N/A
5	7541.938	47.70	-1.64	74.0	26.30	Peak	102.00	200	Vertical	Pass
5**	7541.938	39.09	-1.64	54.0	14.91	AV	102.00	200	Vertical	Pass
6	12220.425	50.96	2.60	74.0	23.04	Peak	312.00	300	Vertical	Pass
6**	12220.425	41.66	2.60	54.0	12.34	AV	312.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1308.200	40.40	-17.50	74.0	33.60	Peak	201.00	150	Horizontal	Pass
1**	1308.200	29.95	-17.50	54.0	24.05	AV	201.00	150	Horizontal	Pass
2	2816.300	44.83	-10.67	74.0	29.17	Peak	180.00	400	Horizontal	Pass
2**	2816.300	35.09	-10.67	54.0	18.91	AV	180.00	400	Horizontal	Pass
3	4273.800	48.66	-4.76	74.0	25.34	Peak	298.00	200	Horizontal	Pass
3**	4273.800	39.34	-4.76	54.0	14.66	AV	298.00	200	Horizontal	Pass
4	5494.800	106.46	-2.80	--	--	Peak	139.00	200	Horizontal	N/A
4**	5494.800	99.50	-2.80	--	--	AV	139.00	200	Horizontal	N/A
5	7543.950	49.06	-1.62	74.0	24.94	Peak	196.00	100	Horizontal	Pass
5**	7543.950	39.71	-1.62	54.0	14.29	AV	196.00	100	Horizontal	Pass
6	11651.174	51.34	2.55	74.0	22.66	Peak	0.00	400	Horizontal	Pass
6**	11651.174	41.74	2.55	54.0	12.26	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.600	43.69	-18.18	74.0	30.31	Peak	359.00	150	Vertical	Pass
1**	1198.600	29.81	-18.18	54.0	24.19	AV	359.00	150	Vertical	Pass
2	2877.900	43.89	-10.40	74.0	30.11	Peak	338.00	100	Vertical	Pass
2**	2877.900	35.06	-10.40	54.0	18.94	AV	338.00	100	Vertical	Pass
3	4279.800	48.02	-4.83	74.0	25.98	Peak	10.00	200	Vertical	Pass
3**	4279.800	38.68	-4.83	54.0	15.32	AV	10.00	200	Vertical	Pass
4	5497.600	108.21	-2.80	--	--	Peak	119.00	400	Vertical	N/A
4**	5497.600	100.97	-2.80	--	--	AV	119.00	400	Vertical	N/A
5	7543.088	48.08	-1.63	74.0	25.92	Peak	90.00	100	Vertical	Pass
5**	7543.088	39.50	-1.63	54.0	14.50	AV	90.00	100	Vertical	Pass
6	12265.562	50.56	2.53	74.0	23.44	Peak	289.00	100	Vertical	Pass
6**	12265.562	41.16	2.53	54.0	12.84	AV	289.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1311.900	40.95	-17.46	74.0	33.05	Peak	205.00	400	Horizontal	Pass
1**	1311.900	32.83	-17.46	54.0	21.17	AV	205.00	400	Horizontal	Pass
2	2897.700	45.27	-10.00	74.0	28.73	Peak	188.00	150	Horizontal	Pass
2**	2897.700	36.15	-10.00	54.0	17.85	AV	188.00	150	Horizontal	Pass
3	4275.600	48.79	-4.77	74.0	25.21	Peak	205.00	100	Horizontal	Pass
3**	4275.600	39.80	-4.77	54.0	14.20	AV	205.00	100	Horizontal	Pass
4	5582.800	106.15	-3.26	--	--	Peak	149.00	300	Horizontal	N/A
4**	5582.800	99.35	-3.26	--	--	AV	149.00	300	Horizontal	N/A
5	7407.675	48.20	-1.73	74.0	25.80	Peak	217.00	200	Horizontal	Pass
5**	7407.675	38.67	-1.73	54.0	15.33	AV	217.00	200	Horizontal	Pass
6	12289.138	51.10	2.35	74.0	22.90	Peak	270.00	100	Horizontal	Pass
6**	12289.138	41.64	2.35	54.0	12.36	AV	270.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.000	46.06	-18.16	74.0	27.94	Peak	277.00	150	Vertical	Pass
1**	1200.000	28.89	-18.16	54.0	25.11	AV	277.00	150	Vertical	Pass
2	2879.900	44.13	-10.26	74.0	29.87	Peak	293.00	400	Vertical	Pass
2**	2879.900	35.58	-10.26	54.0	18.42	AV	293.00	400	Vertical	Pass
3	4225.600	48.49	-4.83	74.0	25.51	Peak	190.00	150	Vertical	Pass
3**	4225.600	39.51	-4.83	54.0	14.49	AV	190.00	150	Vertical	Pass
4	5586.000	108.57	-3.23	--	--	Peak	95.00	400	Vertical	N/A
4**	5586.000	101.34	-3.23	--	--	AV	95.00	400	Vertical	N/A
5	7556.313	48.60	-1.65	74.0	25.40	Peak	291.00	150	Vertical	Pass
5**	7556.313	39.20	-1.65	54.0	14.80	AV	291.00	150	Vertical	Pass
6	12227.037	51.10	2.61	74.0	22.90	Peak	0.00	300	Vertical	Pass
6**	12227.037	42.07	2.61	54.0	11.93	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.700	44.61	-18.18	74.0	29.39	Peak	85.00	150	Horizontal	Pass
1**	1198.700	30.03	-18.18	54.0	23.97	AV	85.00	150	Horizontal	Pass
2	2881.500	45.01	-10.11	74.0	28.99	Peak	194.00	150	Horizontal	Pass
2**	2881.500	35.29	-10.11	54.0	18.71	AV	194.00	150	Horizontal	Pass
3	4248.800	48.62	-4.75	74.0	25.38	Peak	278.00	200	Horizontal	Pass
3**	4248.800	40.08	-4.75	54.0	13.92	AV	278.00	200	Horizontal	Pass
4	5705.200	107.33	-3.84	--	--	Peak	142.00	200	Horizontal	N/A
4**	5705.200	100.42	-3.84	--	--	AV	142.00	200	Horizontal	N/A
5	7552.000	48.41	-1.56	74.0	25.59	Peak	186.00	150	Horizontal	Pass
5**	7552.000	39.42	-1.56	54.0	14.58	AV	186.00	150	Horizontal	Pass
6	12273.901	51.37	2.46	74.0	22.63	Peak	325.00	150	Horizontal	Pass
6**	12273.901	41.55	2.46	54.0	12.45	AV	325.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.100	42.34	-18.15	74.0	31.66	Peak	200.00	150	Vertical	Pass
1**	1201.100	30.54	-18.15	54.0	23.46	AV	200.00	150	Vertical	Pass
2	2786.500	44.47	-11.08	74.0	29.53	Peak	175.00	300	Vertical	Pass
2**	2786.500	34.20	-11.08	54.0	19.80	AV	175.00	300	Vertical	Pass
3	4289.400	48.79	-4.77	74.0	25.21	Peak	0.00	200	Vertical	Pass
3**	4289.400	39.04	-4.77	54.0	14.96	AV	0.00	200	Vertical	Pass
4	5701.400	108.46	-3.89	--	--	Peak	119.00	400	Vertical	N/A
4**	5701.400	101.24	-3.89	--	--	AV	119.00	400	Vertical	N/A
5	7588.513	48.46	-2.29	74.0	25.54	Peak	249.00	100	Vertical	Pass
5**	7588.513	38.36	-2.29	54.0	15.64	AV	249.00	100	Vertical	Pass
6	12238.250	51.29	2.64	74.0	22.71	Peak	6.00	300	Vertical	Pass
6**	12238.250	42.20	2.64	54.0	11.80	AV	6.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.700	47.60	-18.16	74.0	26.40	Peak	176.00	150	Horizontal	Pass
1**	1200.700	30.53	-18.16	54.0	23.47	AV	176.00	150	Horizontal	Pass
2	2732.200	44.03	-10.73	74.0	29.97	Peak	351.00	300	Horizontal	Pass
2**	2732.200	35.08	-10.73	54.0	18.92	AV	351.00	300	Horizontal	Pass
3	4302.400	48.53	-4.90	74.0	25.47	Peak	218.00	200	Horizontal	Pass
3**	4302.400	39.35	-4.90	54.0	14.65	AV	218.00	200	Horizontal	Pass
4	5513.200	102.47	-2.95	--	--	Peak	139.00	200	Horizontal	N/A
4**	5513.200	95.60	-2.95	--	--	AV	139.00	200	Horizontal	N/A
5	7543.088	48.32	-1.63	74.0	25.68	Peak	79.00	100	Horizontal	Pass
5**	7543.088	39.65	-1.63	54.0	14.35	AV	79.00	100	Horizontal	Pass
6	11652.325	51.38	2.55	74.0	22.62	Peak	69.00	300	Horizontal	Pass
6**	11652.325	41.81	2.55	54.0	12.19	AV	69.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.300	43.04	-17.74	74.0	30.96	Peak	360.00	300	Vertical	Pass
1**	1332.300	28.47	-17.74	54.0	25.53	AV	360.00	300	Vertical	Pass
2	2866.800	44.13	-10.60	74.0	29.87	Peak	285.00	100	Vertical	Pass
2**	2866.800	34.61	-10.60	54.0	19.39	AV	285.00	100	Vertical	Pass
3	4249.200	48.09	-4.73	74.0	25.91	Peak	1.00	100	Vertical	Pass
3**	4249.200	39.12	-4.73	54.0	14.88	AV	1.00	100	Vertical	Pass
4	5514.800	104.48	-3.00	--	--	Peak	115.00	200	Vertical	N/A
4**	5514.800	97.45	-3.00	--	--	AV	115.00	200	Vertical	N/A
5	7543.088	48.76	-1.63	74.0	25.24	Peak	0.00	100	Vertical	Pass
5**	7543.088	39.05	-1.63	54.0	14.95	AV	0.00	100	Vertical	Pass
6	11710.113	50.96	2.15	74.0	23.04	Peak	225.00	200	Vertical	Pass
6**	11710.113	40.81	2.15	54.0	13.19	AV	225.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.000	45.07	-18.11	74.0	28.93	Peak	169.00	150	Horizontal	Pass
1**	1203.000	31.30	-18.11	54.0	22.70	AV	169.00	150	Horizontal	Pass
2	2816.700	43.95	-10.65	74.0	30.05	Peak	31.00	300	Horizontal	Pass
2**	2816.700	34.56	-10.65	54.0	19.44	AV	31.00	300	Horizontal	Pass
3	4283.400	48.32	-4.69	74.0	25.68	Peak	141.00	150	Horizontal	Pass
3**	4283.400	38.98	-4.69	54.0	15.02	AV	141.00	150	Horizontal	Pass
4	5555.800	102.04	-3.21	--	--	Peak	141.00	100	Horizontal	N/A
4**	5555.800	94.16	-3.21	--	--	AV	141.00	100	Horizontal	N/A
5	7549.412	47.97	-1.60	74.0	26.03	Peak	59.00	100	Horizontal	Pass
5**	7549.412	39.39	-1.60	54.0	14.61	AV	59.00	100	Horizontal	Pass
6	11535.025	51.09	1.34	74.0	22.91	Peak	7.00	300	Horizontal	Pass
6**	11535.025	40.75	1.34	54.0	13.25	AV	7.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.400	41.00	-18.17	74.0	33.00	Peak	5.00	150	Vertical	Pass
1**	1199.400	30.02	-18.17	54.0	23.98	AV	5.00	150	Vertical	Pass
2	2750.500	44.44	-10.84	74.0	29.56	Peak	51.00	300	Vertical	Pass
2**	2750.500	33.52	-10.84	54.0	20.48	AV	51.00	300	Vertical	Pass
3	4328.600	48.46	-4.84	74.0	25.54	Peak	88.00	200	Vertical	Pass
3**	4328.600	40.08	-4.84	54.0	13.92	AV	88.00	200	Vertical	Pass
4	5552.600	104.47	-3.29	--	--	Peak	95.00	200	Vertical	N/A
4**	5552.600	96.63	-3.29	--	--	AV	95.00	200	Vertical	N/A
5	7530.725	48.34	-1.64	74.0	25.66	Peak	81.00	150	Vertical	Pass
5**	7530.725	38.84	-1.64	54.0	15.16	AV	81.00	150	Vertical	Pass
6	12236.526	50.98	2.63	74.0	23.02	Peak	177.00	400	Vertical	Pass
6**	12236.526	41.36	2.63	54.0	12.64	AV	177.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.200	46.25	-18.16	74.0	27.75	Peak	125.00	150	Horizontal	Pass
1**	1200.200	31.86	-18.16	54.0	22.14	AV	125.00	150	Horizontal	Pass
2	2872.000	43.88	-10.58	74.0	30.12	Peak	13.00	400	Horizontal	Pass
2**	2872.000	34.24	-10.58	54.0	19.76	AV	13.00	400	Horizontal	Pass
3	4293.800	48.95	-4.80	74.0	25.05	Peak	300.00	100	Horizontal	Pass
3**	4293.800	39.03	-4.80	54.0	14.97	AV	300.00	100	Horizontal	Pass
4	5678.000	103.91	-3.82	--	--	Peak	135.00	100	Horizontal	N/A
4**	5678.000	96.16	-3.82	--	--	AV	135.00	100	Horizontal	N/A
5	7611.800	48.08	-2.19	74.0	25.92	Peak	145.00	100	Horizontal	Pass
5**	7611.800	39.85	-2.19	54.0	14.15	AV	145.00	100	Horizontal	Pass
6	11673.312	50.99	2.46	74.0	23.01	Peak	0.00	200	Horizontal	Pass
6**	11673.312	41.41	2.46	54.0	12.59	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.400	41.25	-18.17	74.0	32.75	Peak	358.00	150	Vertical	Pass
1**	1199.400	30.98	-18.17	54.0	23.02	AV	358.00	150	Vertical	Pass
2	2889.400	44.77	-9.88	74.0	29.23	Peak	177.00	150	Vertical	Pass
2**	2889.400	34.42	-9.88	54.0	19.58	AV	177.00	150	Vertical	Pass
3	4304.200	48.20	-4.91	74.0	25.80	Peak	356.00	100	Vertical	Pass
3**	4304.200	39.24	-4.91	54.0	14.76	AV	356.00	100	Vertical	Pass
4	5675.000	105.44	-3.76	--	--	Peak	119.00	200	Vertical	N/A
4**	5675.000	97.67	-3.76	--	--	AV	119.00	200	Vertical	N/A
5	7552.575	48.90	-1.56	74.0	25.10	Peak	299.00	200	Vertical	Pass
5**	7552.575	39.93	-1.56	54.0	14.07	AV	299.00	200	Vertical	Pass
6	11652.325	51.05	2.55	74.0	22.95	Peak	226.00	300	Vertical	Pass
6**	11652.325	42.02	2.55	54.0	11.98	AV	226.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.100	46.05	-18.19	74.0	27.95	Peak	115.00	150	Horizontal	Pass
1**	1197.100	30.43	-18.19	54.0	23.57	AV	115.00	150	Horizontal	Pass
2	2839.500	44.67	-10.80	74.0	29.33	Peak	73.00	100	Horizontal	Pass
2**	2839.500	34.63	-10.80	54.0	19.37	AV	73.00	100	Horizontal	Pass
3	4084.800	48.50	-5.04	74.0	25.50	Peak	27.00	150	Horizontal	Pass
3**	4084.800	37.76	-5.04	54.0	16.24	AV	27.00	150	Horizontal	Pass
4	5503.000	105.72	-2.93	--	--	Peak	138.00	200	Horizontal	N/A
4**	5503.000	99.05	-2.93	--	--	AV	138.00	200	Horizontal	N/A
5	7519.800	48.40	-1.63	74.0	25.60	Peak	321.00	200	Horizontal	Pass
5**	7519.800	38.43	-1.63	54.0	15.57	AV	321.00	200	Horizontal	Pass
6	12293.162	50.50	2.33	74.0	23.50	Peak	206.00	100	Horizontal	Pass
6**	12293.162	41.56	2.33	54.0	12.44	AV	206.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.900	43.04	-18.19	74.0	30.96	Peak	278.00	150	Vertical	Pass
1**	1196.900	32.45	-18.19	54.0	21.55	AV	278.00	150	Vertical	Pass
2	2819.300	44.10	-10.62	74.0	29.90	Peak	199.00	100	Vertical	Pass
2**	2819.300	34.52	-10.62	54.0	19.48	AV	199.00	100	Vertical	Pass
3	4274.800	48.53	-4.77	74.0	25.47	Peak	209.00	100	Vertical	Pass
3**	4274.800	39.15	-4.77	54.0	14.85	AV	209.00	100	Vertical	Pass
4	5498.400	107.80	-2.82	--	--	Peak	114.00	200	Vertical	N/A
4**	5498.400	100.74	-2.82	--	--	AV	114.00	200	Vertical	N/A
5	7549.412	48.21	-1.60	74.0	25.79	Peak	296.00	100	Vertical	Pass
5**	7549.412	39.79	-1.60	54.0	14.21	AV	296.00	100	Vertical	Pass
6	12240.263	50.73	2.64	74.0	23.27	Peak	71.00	300	Vertical	Pass
6**	12240.263	42.13	2.64	54.0	11.87	AV	71.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.100	45.73	-18.16	74.0	28.27	Peak	135.00	150	Horizontal	Pass
1**	1200.100	30.72	-18.16	54.0	23.28	AV	135.00	150	Horizontal	Pass
2	2823.800	43.89	-10.52	74.0	30.11	Peak	42.00	400	Horizontal	Pass
2**	2823.800	35.57	-10.52	54.0	18.43	AV	42.00	400	Horizontal	Pass
3	4263.200	48.32	-4.82	74.0	25.68	Peak	52.00	200	Horizontal	Pass
3**	4263.200	38.73	-4.82	54.0	15.27	AV	52.00	200	Horizontal	Pass
4	5578.600	105.46	-3.15	--	--	Peak	144.00	300	Horizontal	N/A
4**	5578.600	97.34	-3.15	--	--	AV	144.00	300	Horizontal	N/A
5	7539.638	48.83	-1.68	74.0	25.17	Peak	38.00	100	Horizontal	Pass
5**	7539.638	39.62	-1.68	54.0	14.38	AV	38.00	100	Horizontal	Pass
6	12254.925	51.49	2.62	74.0	22.51	Peak	101.00	200	Horizontal	Pass
6**	12254.925	41.59	2.62	54.0	12.41	AV	101.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.000	40.20	-17.70	74.0	33.80	Peak	5.00	200	Vertical	Pass
1**	1330.000	28.52	-17.70	54.0	25.48	AV	5.00	200	Vertical	Pass
2	2806.700	43.97	-10.97	74.0	30.03	Peak	349.00	200	Vertical	Pass
2**	2806.700	33.86	-10.97	54.0	20.14	AV	349.00	200	Vertical	Pass
3	4274.600	48.27	-4.77	74.0	25.73	Peak	241.00	200	Vertical	Pass
3**	4274.600	39.52	-4.77	54.0	14.48	AV	241.00	200	Vertical	Pass
4	5578.400	107.81	-3.15	--	--	Peak	124.00	400	Vertical	N/A
4**	5578.400	100.30	-3.15	--	--	AV	124.00	400	Vertical	N/A
5	7558.038	48.43	-1.67	74.0	25.57	Peak	331.00	200	Vertical	Pass
5**	7558.038	39.77	-1.67	54.0	14.23	AV	331.00	200	Vertical	Pass
6	11633.063	51.49	2.37	74.0	22.51	Peak	122.00	100	Vertical	Pass
6**	11633.063	41.12	2.37	54.0	12.88	AV	122.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.800	44.41	-18.18	74.0	29.59	Peak	179.00	150	Horizontal	Pass
1**	1197.800	31.04	-18.18	54.0	22.96	AV	179.00	150	Horizontal	Pass
2	2843.000	44.09	-10.82	74.0	29.91	Peak	2.00	100	Horizontal	Pass
2**	2843.000	33.87	-10.82	54.0	20.13	AV	2.00	100	Horizontal	Pass
3	4155.800	48.20	-5.12	74.0	25.80	Peak	68.00	150	Horizontal	Pass
3**	4155.800	38.36	-5.12	54.0	15.64	AV	68.00	150	Horizontal	Pass
4	5703.200	106.40	-3.88	--	--	Peak	139.00	100	Horizontal	N/A
4**	5703.200	98.70	-3.88	--	--	AV	139.00	100	Horizontal	N/A
5	7552.862	48.27	-1.56	74.0	25.73	Peak	300.00	100	Horizontal	Pass
5**	7552.862	39.60	-1.56	54.0	14.40	AV	300.00	100	Horizontal	Pass
6	12223.013	51.45	2.61	74.0	22.55	Peak	80.00	400	Horizontal	Pass
6**	12223.013	42.06	2.61	54.0	11.94	AV	80.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.800	45.61	-18.17	74.0	28.39	Peak	275.00	150	Vertical	Pass
1**	1199.800	34.68	-18.17	54.0	19.32	AV	275.00	150	Vertical	Pass
2	2878.000	44.09	-10.39	74.0	29.91	Peak	343.00	100	Vertical	Pass
2**	2878.000	34.81	-10.39	54.0	19.19	AV	343.00	100	Vertical	Pass
3	4249.200	48.28	-4.73	74.0	25.72	Peak	49.00	150	Vertical	Pass
3**	4249.200	39.67	-4.73	54.0	14.33	AV	49.00	150	Vertical	Pass
4	5701.000	108.05	-3.90	--	--	Peak	121.00	200	Vertical	N/A
4**	5701.000	100.40	-3.90	--	--	AV	121.00	200	Vertical	N/A
5	7547.112	48.39	-1.58	74.0	25.61	Peak	237.00	100	Vertical	Pass
5**	7547.112	39.58	-1.58	54.0	14.42	AV	237.00	100	Vertical	Pass
6	12214.963	51.25	2.59	74.0	22.75	Peak	132.00	100	Vertical	Pass
6**	12214.963	41.68	2.59	54.0	12.32	AV	132.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.600	43.40	-18.16	74.0	30.60	Peak	188.00	150	Horizontal	Pass
1**	1200.600	31.79	-18.16	54.0	22.21	AV	188.00	150	Horizontal	Pass
2	2888.200	44.44	-9.93	74.0	29.56	Peak	71.00	150	Horizontal	Pass
2**	2888.200	34.80	-9.93	54.0	19.20	AV	71.00	150	Horizontal	Pass
3	4272.800	47.95	-4.76	74.0	26.05	Peak	47.00	100	Horizontal	Pass
3**	4272.800	38.42	-4.76	54.0	15.58	AV	47.00	100	Horizontal	Pass
4	5516.400	103.11	-2.99	--	--	Peak	146.00	100	Horizontal	N/A
4**	5516.400	95.08	-2.99	--	--	AV	146.00	100	Horizontal	N/A
5	7555.163	48.49	-1.60	74.0	25.51	Peak	281.00	150	Horizontal	Pass
5**	7555.163	39.33	-1.60	54.0	14.67	AV	281.00	150	Horizontal	Pass
6	11664.975	50.82	2.50	74.0	23.18	Peak	6.00	100	Horizontal	Pass
6**	11664.975	41.65	2.50	54.0	12.35	AV	6.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.700	41.80	-17.65	74.0	32.20	Peak	0.00	300	Vertical	Pass
1**	1327.700	32.98	-17.65	54.0	21.02	AV	0.00	300	Vertical	Pass
2	2738.000	44.04	-10.72	74.0	29.96	Peak	53.00	200	Vertical	Pass
2**	2738.000	34.22	-10.72	54.0	19.78	AV	53.00	200	Vertical	Pass
3	4275.800	48.19	-4.77	74.0	25.81	Peak	0.00	100	Vertical	Pass
3**	4275.800	39.46	-4.77	54.0	14.54	AV	0.00	100	Vertical	Pass
4	5514.600	105.08	-3.00	--	--	Peak	114.00	400	Vertical	N/A
4**	5514.600	97.24	-3.00	--	--	AV	114.00	400	Vertical	N/A
5	7554.875	48.21	-1.58	74.0	25.79	Peak	258.00	100	Vertical	Pass
5**	7554.875	39.54	-1.58	54.0	14.46	AV	258.00	100	Vertical	Pass
6	12211.800	51.21	2.58	74.0	22.79	Peak	289.00	400	Vertical	Pass
6**	12211.800	40.99	2.58	54.0	13.01	AV	289.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.200	48.39	-18.18	74.0	25.61	Peak	172.00	150	Horizontal	Pass
1**	1198.200	31.33	-18.18	54.0	22.67	AV	172.00	150	Horizontal	Pass
2	2865.200	44.01	-10.58	74.0	29.99	Peak	315.00	300	Horizontal	Pass
2**	2865.200	34.61	-10.58	54.0	19.39	AV	315.00	300	Horizontal	Pass
3	4277.600	48.31	-4.74	74.0	25.69	Peak	108.00	100	Horizontal	Pass
3**	4277.600	39.12	-4.74	54.0	14.88	AV	108.00	100	Horizontal	Pass
4	5545.800	102.88	-3.23	--	--	Peak	152.00	100	Horizontal	N/A
4**	5545.800	95.42	-3.23	--	--	AV	152.00	100	Horizontal	N/A
5	7547.400	48.90	-1.58	74.0	25.10	Peak	101.00	100	Horizontal	Pass
5**	7547.400	40.03	-1.58	54.0	13.97	AV	101.00	100	Horizontal	Pass
6	12237.674	50.69	2.64	74.0	23.31	Peak	17.00	100	Horizontal	Pass
6**	12237.674	42.13	2.64	54.0	11.87	AV	17.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.000	43.07	-18.16	74.0	30.93	Peak	267.00	150	Vertical	Pass
1**	1200.000	29.66	-18.16	54.0	24.34	AV	267.00	150	Vertical	Pass
2	2877.000	44.66	-10.45	74.0	29.34	Peak	360.00	400	Vertical	Pass
2**	2877.000	35.38	-10.45	54.0	18.62	AV	360.00	400	Vertical	Pass
3	4034.200	48.67	-5.35	74.0	25.33	Peak	3.00	100	Vertical	Pass
3**	4034.200	37.89	-5.35	54.0	16.11	AV	3.00	100	Vertical	Pass
4	5546.800	105.29	-3.22	--	--	Peak	99.00	200	Vertical	N/A
4**	5546.800	97.69	-3.22	--	--	AV	99.00	200	Vertical	N/A
5	7558.900	48.39	-1.69	74.0	25.61	Peak	288.00	100	Vertical	Pass
5**	7558.900	38.62	-1.69	54.0	15.38	AV	288.00	100	Vertical	Pass
6	12228.187	50.57	2.62	74.0	23.43	Peak	257.00	100	Vertical	Pass
6**	12228.187	41.62	2.62	54.0	12.38	AV	257.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.100	44.08	-18.18	74.0	29.92	Peak	19.00	150	Horizontal	Pass
1**	1198.100	31.16	-18.18	54.0	22.84	AV	19.00	150	Horizontal	Pass
2	2878.000	44.58	-10.39	74.0	29.42	Peak	103.00	300	Horizontal	Pass
2**	2878.000	34.86	-10.39	54.0	19.14	AV	103.00	300	Horizontal	Pass
3	4362.200	48.01	-5.01	74.0	25.99	Peak	321.00	200	Horizontal	Pass
3**	4362.200	38.58	-5.01	54.0	15.42	AV	321.00	200	Horizontal	Pass
4	5674.000	104.29	-3.73	--	--	Peak	137.00	200	Horizontal	N/A
4**	5674.000	96.95	-3.73	--	--	AV	137.00	200	Horizontal	N/A
5	7564.938	48.18	-1.90	74.0	25.82	Peak	241.00	100	Horizontal	Pass
5**	7564.938	39.66	-1.90	54.0	14.34	AV	241.00	100	Horizontal	Pass
6	12252.625	50.68	2.64	74.0	23.32	Peak	0.00	300	Horizontal	Pass
6**	12252.625	41.55	2.64	54.0	12.45	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.000	39.71	-17.65	74.0	34.29	Peak	6.00	400	Vertical	Pass
1**	1327.000	28.68	-17.65	54.0	25.32	AV	6.00	400	Vertical	Pass
2	2743.000	44.05	-10.66	74.0	29.95	Peak	354.00	400	Vertical	Pass
2**	2743.000	34.27	-10.66	54.0	19.73	AV	354.00	400	Vertical	Pass
3	4289.000	48.54	-4.77	74.0	25.46	Peak	76.00	150	Vertical	Pass
3**	4289.000	39.33	-4.77	54.0	14.67	AV	76.00	150	Vertical	Pass
4	5674.200	105.47	-3.73	--	--	Peak	119.00	300	Vertical	N/A
4**	5674.200	97.00	-3.73	--	--	AV	119.00	300	Vertical	N/A
5	7550.850	47.80	-1.59	74.0	26.20	Peak	50.00	200	Vertical	Pass
5**	7550.850	39.18	-1.59	54.0	14.82	AV	50.00	200	Vertical	Pass
6	12246.300	50.77	2.66	74.0	23.23	Peak	177.00	100	Vertical	Pass
6**	12246.300	41.19	2.66	54.0	12.81	AV	177.00	100	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.900	47.57	-18.13	74.0	26.43	Peak	91.00	150	Horizontal	Pass
1**	1201.900	32.43	-18.13	54.0	21.57	AV	91.00	150	Horizontal	Pass
2	2825.900	44.55	-10.49	74.0	29.45	Peak	247.00	300	Horizontal	Pass
2**	2825.900	35.43	-10.49	54.0	18.57	AV	247.00	300	Horizontal	Pass
3	4255.000	48.40	-4.73	74.0	25.60	Peak	270.00	100	Horizontal	Pass
3**	4255.000	39.36	-4.73	54.0	14.64	AV	270.00	100	Horizontal	Pass
4	5548.800	100.74	-2.90	--	--	Peak	292.00	200	Horizontal	N/A
4**	5548.800	92.32	-2.90	--	--	AV	292.00	200	Horizontal	N/A
5	7554.875	48.21	-1.58	74.0	25.79	Peak	328.00	100	Horizontal	Pass
5**	7554.875	40.01	-1.58	54.0	13.99	AV	328.00	100	Horizontal	Pass
6	11675.900	51.14	2.45	74.0	22.86	Peak	246.00	200	Horizontal	Pass
6**	11675.900	41.74	2.45	54.0	12.26	AV	246.00	200	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.900	42.07	-17.73	74.0	31.93	Peak	89.00	300	Vertical	Pass
1**	1331.900	34.79	-17.73	54.0	19.21	AV	89.00	300	Vertical	Pass
2	2876.900	45.20	-10.46	74.0	28.80	Peak	130.00	400	Vertical	Pass
2**	2876.900	35.61	-10.46	54.0	18.39	AV	130.00	400	Vertical	Pass
3	4368.000	48.82	-4.85	74.0	25.18	Peak	215.00	100	Vertical	Pass
3**	4368.000	38.53	-4.85	54.0	15.47	AV	215.00	100	Vertical	Pass
4	5546.400	104.83	-2.85	--	--	Peak	286.00	100	Vertical	N/A
4**	5546.400	96.89	-2.85	--	--	AV	286.00	100	Vertical	N/A
5	7385.825	48.15	-1.74	74.0	25.85	Peak	318.00	100	Vertical	Pass
5**	7385.825	38.97	-1.74	54.0	15.03	AV	318.00	100	Vertical	Pass
6	11698.900	51.05	2.31	74.0	22.95	Peak	142.00	400	Vertical	Pass
6**	11698.900	41.26	2.31	54.0	12.74	AV	142.00	400	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.300	41.28	-18.18	74.0	32.72	Peak	83.00	150	Horizontal	Pass
1**	1205.300	30.87	-18.18	54.0	23.13	AV	83.00	150	Horizontal	Pass
2	2768.600	43.81	-11.22	74.0	30.19	Peak	137.00	200	Horizontal	Pass
2**	2768.600	34.50	-11.22	54.0	19.50	AV	137.00	200	Horizontal	Pass
3	4276.000	48.38	-4.77	74.0	25.62	Peak	250.00	200	Horizontal	Pass
3**	4276.000	39.35	-4.77	54.0	14.65	AV	250.00	200	Horizontal	Pass
4	5626.200	99.11	-3.17	--	--	Peak	292.00	300	Horizontal	N/A
4**	5626.200	91.40	-3.17	--	--	AV	292.00	300	Horizontal	N/A
5	7542.225	48.51	-1.64	74.0	25.49	Peak	320.00	150	Horizontal	Pass
5**	7542.225	40.13	-1.64	54.0	13.87	AV	320.00	150	Horizontal	Pass
6	12265.275	51.49	2.53	74.0	22.51	Peak	257.00	100	Horizontal	Pass
6**	12265.275	42.12	2.53	54.0	11.88	AV	257.00	100	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.000	44.25	-18.15	74.0	29.75	Peak	354.00	150	Vertical	Pass
1**	1201.000	30.33	-18.15	54.0	23.67	AV	354.00	150	Vertical	Pass
2	2791.900	44.34	-11.15	74.0	29.66	Peak	107.00	100	Vertical	Pass
2**	2791.900	34.67	-11.15	54.0	19.33	AV	107.00	100	Vertical	Pass
3	4292.800	49.34	-4.76	74.0	24.66	Peak	85.00	150	Vertical	Pass
3**	4292.800	39.48	-4.76	54.0	14.52	AV	85.00	150	Vertical	Pass
4	5626.800	105.09	-3.15	--	--	Peak	292.00	100	Vertical	N/A
4**	5626.800	97.13	-3.15	--	--	AV	292.00	100	Vertical	N/A
5	7544.813	48.83	-1.60	74.0	25.17	Peak	360.00	100	Vertical	Pass
5**	7544.813	39.34	-1.60	54.0	14.66	AV	360.00	100	Vertical	Pass
6	11653.474	50.67	2.54	74.0	23.33	Peak	339.00	400	Vertical	Pass
6**	11653.474	41.60	2.54	54.0	12.40	AV	339.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.100	46.90	-17.57	74.0	27.10	Peak	69.00	150	Horizontal	Pass
1**	1440.100	32.14	-17.57	54.0	21.86	AV	69.00	150	Horizontal	Pass
2	2860.200	44.19	-10.55	74.0	29.81	Peak	176.00	100	Horizontal	Pass
2**	2860.200	35.18	-10.55	54.0	18.82	AV	176.00	100	Horizontal	Pass
3	4294.800	48.11	-4.84	74.0	25.89	Peak	180.00	100	Horizontal	Pass
3**	4294.800	39.44	-4.84	54.0	14.56	AV	180.00	100	Horizontal	Pass
4	5752.400	105.47	-3.51	--	--	Peak	286.00	100	Horizontal	N/A
4**	5752.400	98.26	-3.51	--	--	AV	286.00	100	Horizontal	N/A
5	7607.487	47.87	-2.27	74.0	26.13	Peak	47.00	100	Horizontal	Pass
5**	7607.487	38.59	-2.27	54.0	15.41	AV	47.00	100	Horizontal	Pass
6	12264.988	51.57	2.54	74.0	22.43	Peak	57.00	300	Horizontal	Pass
6**	12264.988	42.13	2.54	54.0	11.87	AV	57.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.900	39.48	-17.65	74.0	34.52	Peak	106.00	100	Vertical	Pass
1**	1327.900	28.66	-17.65	54.0	25.34	AV	106.00	100	Vertical	Pass
2	2879.000	44.35	-10.33	74.0	29.65	Peak	315.00	400	Vertical	Pass
2**	2879.000	35.07	-10.33	54.0	18.93	AV	315.00	400	Vertical	Pass
3	4336.800	49.31	-4.69	74.0	24.69	Peak	102.00	200	Vertical	Pass
3**	4336.800	39.06	-4.69	54.0	14.94	AV	102.00	200	Vertical	Pass
4	5746.800	110.99	-3.59	--	--	Peak	286.00	200	Vertical	N/A
4**	5746.800	104.06	-3.59	--	--	AV	286.00	200	Vertical	N/A
5	7519.800	48.03	-1.63	74.0	25.97	Peak	354.00	200	Vertical	Pass
5**	7519.800	39.26	-1.63	54.0	14.74	AV	354.00	200	Vertical	Pass
6	11703.500	51.75	2.25	74.0	22.25	Peak	290.00	100	Vertical	Pass
6**	11703.500	41.41	2.25	54.0	12.59	AV	290.00	100	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	1203.700	43.77	-18.13	74.0	30.23	Peak	76.00	150	Horizontal	Pass
1**	1203.700	32.20	-18.13	54.0	21.80	AV	76.00	150	Horizontal	Pass
2	2759.200	44.48	-11.02	74.0	29.52	Peak	5.00	200	Horizontal	Pass
2**	2759.200	34.09	-11.02	54.0	19.91	AV	5.00	200	Horizontal	Pass
3	4285.000	48.87	-4.70	74.0	25.13	Peak	0.00	100	Horizontal	Pass
3**	4285.000	39.24	-4.70	54.0	14.76	AV	0.00	100	Horizontal	Pass
4	5782.600	105.44	-3.08	--	--	Peak	291.00	100	Horizontal	N/A
4**	5782.600	97.51	-3.08	--	--	AV	291.00	100	Horizontal	N/A
5	7551.138	48.56	-1.58	74.0	25.44	Peak	244.00	100	Horizontal	Pass
5**	7551.138	39.39	-1.58	54.0	14.61	AV	244.00	100	Horizontal	Pass
6	12231.063	51.66	2.62	74.0	22.34	Peak	1.00	400	Horizontal	Pass
6**	12231.063	41.75	2.62	54.0	12.25	AV	1.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.600	41.43	-17.69	74.0	32.57	Peak	277.00	100	Vertical	Pass
1**	1329.600	30.03	-17.69	54.0	23.97	AV	277.00	100	Vertical	Pass
2	2815.000	44.16	-10.74	74.0	29.84	Peak	49.00	200	Vertical	Pass
2**	2815.000	34.63	-10.74	54.0	19.37	AV	49.00	200	Vertical	Pass
3	4291.400	48.56	-4.76	74.0	25.44	Peak	259.00	200	Vertical	Pass
3**	4291.400	39.24	-4.76	54.0	14.76	AV	259.00	200	Vertical	Pass
4	5790.800	109.95	-2.86	--	--	Peak	131.00	200	Vertical	N/A
4**	5790.800	102.33	-2.86	--	--	AV	131.00	200	Vertical	N/A
5	7487.025	48.06	-1.85	74.0	25.94	Peak	213.00	100	Vertical	Pass
5**	7487.025	38.71	-1.85	54.0	15.29	AV	213.00	100	Vertical	Pass
6	12215.250	51.08	2.59	74.0	22.92	Peak	172.00	200	Vertical	Pass
6**	12215.250	41.54	2.59	54.0	12.46	AV	172.00	200	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	1200.500	48.17	-18.16	74.0	25.83	Peak	89.00	150	Horizontal	Pass
1**	1200.500	30.57	-18.16	54.0	23.43	AV	89.00	150	Horizontal	Pass
2	2845.700	44.24	-10.79	74.0	29.76	Peak	193.00	200	Horizontal	Pass
2**	2845.700	34.83	-10.79	54.0	19.17	AV	193.00	200	Horizontal	Pass
3	4290.600	48.67	-4.78	74.0	25.33	Peak	16.00	200	Horizontal	Pass
3**	4290.600	39.68	-4.78	54.0	14.32	AV	16.00	200	Horizontal	Pass
4	5822.800	104.54	-2.75	--	--	Peak	292.00	100	Horizontal	N/A
4**	5822.800	97.34	-2.75	--	--	AV	292.00	100	Horizontal	N/A
5	7554.300	48.82	-1.56	74.0	25.18	Peak	288.00	100	Horizontal	Pass
5**	7554.300	39.37	-1.56	54.0	14.63	AV	288.00	100	Horizontal	Pass
6	12323.350	51.40	2.18	74.0	22.60	Peak	100.00	300	Horizontal	Pass
6**	12323.350	41.62	2.18	54.0	12.38	AV	100.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	44.07	-17.58	74.0	29.93	Peak	351.00	150	Vertical	Pass
1**	1439.700	33.99	-17.58	54.0	20.01	AV	351.00	150	Vertical	Pass
2	2821.800	44.24	-10.53	74.0	29.76	Peak	182.00	300	Vertical	Pass
2**	2821.800	34.91	-10.53	54.0	19.09	AV	182.00	300	Vertical	Pass
3	4318.800	48.18	-4.95	74.0	25.82	Peak	101.00	150	Vertical	Pass
3**	4318.800	38.46	-4.95	54.0	15.54	AV	101.00	150	Vertical	Pass
4	5831.000	109.92	-2.74	--	--	Peak	52.00	100	Vertical	N/A
4**	5831.000	103.04	-2.74	--	--	AV	52.00	100	Vertical	N/A
5	7582.475	48.39	-2.27	74.0	25.61	Peak	256.00	200	Vertical	Pass
5**	7582.475	39.25	-2.27	54.0	14.75	AV	256.00	200	Vertical	Pass
6	12223.588	51.05	2.61	74.0	22.95	Peak	360.00	100	Vertical	Pass
6**	12223.588	41.39	2.61	54.0	12.61	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.600	47.23	-18.17	74.0	26.77	Peak	94.00	150	Horizontal	Pass
1**	1199.600	31.95	-18.17	54.0	22.05	AV	94.00	150	Horizontal	Pass
2	2873.100	44.50	-10.58	74.0	29.50	Peak	142.00	400	Horizontal	Pass
2**	2873.100	34.42	-10.58	54.0	19.58	AV	142.00	400	Horizontal	Pass
3	4248.800	48.78	-4.75	74.0	25.22	Peak	301.00	100	Horizontal	Pass
3**	4248.800	39.58	-4.75	54.0	14.42	AV	301.00	100	Horizontal	Pass
4	5748.800	104.22	-3.59	--	--	Peak	286.00	200	Horizontal	N/A
4**	5748.800	96.39	-3.59	--	--	AV	286.00	200	Horizontal	N/A
5	7542.513	48.10	-1.64	74.0	25.90	Peak	360.00	200	Horizontal	Pass
5**	7542.513	39.52	-1.64	54.0	14.48	AV	360.00	200	Horizontal	Pass
6	12236.812	51.00	2.63	74.0	23.00	Peak	255.00	100	Horizontal	Pass
6**	12236.812	42.04	2.63	54.0	11.96	AV	255.00	100	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	1198.800	44.56	-18.18	74.0	29.44	Peak	112.00	150	Vertical	Pass
1**	1198.800	29.63	-18.18	54.0	24.37	AV	112.00	150	Vertical	Pass
2	2845.600	44.77	-10.79	74.0	29.23	Peak	1.00	300	Vertical	Pass
2**	2845.600	34.92	-10.79	54.0	19.08	AV	1.00	300	Vertical	Pass
3	4284.400	48.30	-4.68	74.0	25.70	Peak	122.00	100	Vertical	Pass
3**	4284.400	39.54	-4.68	54.0	14.46	AV	122.00	100	Vertical	Pass
4	5746.800	109.42	-3.59	--	--	Peak	186.00	300	Vertical	N/A
4**	5746.800	101.35	-3.59	--	--	AV	186.00	300	Vertical	N/A
5	7539.062	48.26	-1.69	74.0	25.74	Peak	37.00	200	Vertical	Pass
5**	7539.062	39.52	-1.69	54.0	14.48	AV	37.00	200	Vertical	Pass
6	11731.387	50.99	1.83	74.0	23.01	Peak	120.00	100	Vertical	Pass
6**	11731.387	41.21	1.83	54.0	12.79	AV	120.00	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	1201.000	46.11	-18.15	74.0	27.89	Peak	38.00	150	Horizontal	Pass
1**	1201.000	31.32	-18.15	54.0	22.68	AV	38.00	150	Horizontal	Pass
2	2728.800	44.35	-10.69	74.0	29.65	Peak	351.00	400	Horizontal	Pass
2**	2728.800	34.34	-10.69	54.0	19.66	AV	351.00	400	Horizontal	Pass
3	4273.400	49.22	-4.75	74.0	24.78	Peak	231.00	200	Horizontal	Pass
3**	4273.400	39.10	-4.75	54.0	14.90	AV	231.00	200	Horizontal	Pass
4	5787.600	104.59	-2.96	--	--	Peak	287.00	200	Horizontal	N/A
4**	5787.600	97.41	-2.96	--	--	AV	287.00	200	Horizontal	N/A
5	7505.138	48.27	-1.88	74.0	25.73	Peak	69.00	200	Horizontal	Pass
5**	7505.138	38.51	-1.88	54.0	15.49	AV	69.00	200	Horizontal	Pass
6	12239.112	50.79	2.64	74.0	23.21	Peak	194.00	400	Horizontal	Pass
6**	12239.112	41.68	2.64	54.0	12.32	AV	194.00	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	1439.700	45.54	-17.58	74.0	28.46	Peak	343.00	150	Vertical	Pass
1**	1439.700	30.01	-17.58	54.0	23.99	AV	343.00	150	Vertical	Pass
2	2839.400	43.77	-10.80	74.0	30.23	Peak	240.00	400	Vertical	Pass
2**	2839.400	33.89	-10.80	54.0	20.11	AV	240.00	400	Vertical	Pass
3	4333.200	48.61	-4.76	74.0	25.39	Peak	356.00	200	Vertical	Pass
3**	4333.200	39.71	-4.76	54.0	14.29	AV	356.00	200	Vertical	Pass
4	5789.000	109.00	-2.92	--	--	Peak	207.00	200	Vertical	N/A
4**	5789.000	102.01	-2.92	--	--	AV	207.00	200	Vertical	N/A
5	7489.038	48.56	-1.83	74.0	25.44	Peak	257.00	100	Vertical	Pass
5**	7489.038	38.82	-1.83	54.0	15.18	AV	257.00	100	Vertical	Pass
6	12215.825	51.35	2.59	74.0	22.65	Peak	172.00	400	Vertical	Pass
6**	12215.825	41.27	2.59	54.0	12.73	AV	172.00	400	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	1201.800	43.28	-18.13	74.0	30.72	Peak	73.00	150	Horizontal	Pass
1**	1201.800	31.30	-18.13	54.0	22.70	AV	73.00	150	Horizontal	Pass
2	2822.100	46.27	-10.52	74.0	27.73	Peak	169.00	200	Horizontal	Pass
2**	2822.100	34.75	-10.52	54.0	19.25	AV	169.00	200	Horizontal	Pass
3	4271.000	48.23	-4.80	74.0	25.77	Peak	328.00	100	Horizontal	Pass
3**	4271.000	38.83	-4.80	54.0	15.17	AV	328.00	100	Horizontal	Pass
4	5827.200	103.21	-2.74	--	--	Peak	292.00	300	Horizontal	N/A
4**	5827.200	96.45	-2.74	--	--	AV	292.00	300	Horizontal	N/A
5	7552.288	48.71	-1.56	74.0	25.29	Peak	27.00	150	Horizontal	Pass
5**	7552.288	40.04	-1.56	54.0	13.96	AV	27.00	150	Horizontal	Pass
6	12364.174	50.78	1.96	74.0	23.22	Peak	173.00	400	Horizontal	Pass
6**	12364.174	40.81	1.96	54.0	13.19	AV	173.00	400	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	1201.200	45.21	-18.14	74.0	28.79	Peak	149.00	150	Vertical	Pass
1**	1201.200	28.95	-18.14	54.0	25.05	AV	149.00	150	Vertical	Pass
2	2813.700	43.95	-10.81	74.0	30.05	Peak	211.00	400	Vertical	Pass
2**	2813.700	34.62	-10.81	54.0	19.38	AV	211.00	400	Vertical	Pass
3	4284.600	48.80	-4.69	74.0	25.20	Peak	207.00	150	Vertical	Pass
3**	4284.600	39.31	-4.69	54.0	14.69	AV	207.00	150	Vertical	Pass
4	5821.600	108.10	-2.77	--	--	Peak	131.00	300	Vertical	N/A
4**	5821.600	100.69	-2.77	--	--	AV	131.00	300	Vertical	N/A
5	7549.987	48.77	-1.61	74.0	25.23	Peak	360.00	100	Vertical	Pass
5**	7549.987	39.59	-1.61	54.0	14.41	AV	360.00	100	Vertical	Pass
6	11666.413	51.69	2.49	74.0	22.31	Peak	330.00	300	Vertical	Pass
6**	11666.413	41.67	2.49	54.0	12.33	AV	330.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.900	42.16	-18.19	74.0	31.84	Peak	72.00	150	Horizontal	Pass
1**	1196.900	31.53	-18.19	54.0	22.47	AV	72.00	150	Horizontal	Pass
2	2857.200	45.03	-10.61	74.0	28.97	Peak	176.00	100	Horizontal	Pass
2**	2857.200	34.20	-10.61	54.0	19.80	AV	176.00	100	Horizontal	Pass
3	4275.000	48.08	-4.77	74.0	25.92	Peak	100.00	100	Horizontal	Pass
3**	4275.000	38.87	-4.77	54.0	15.13	AV	100.00	100	Horizontal	Pass
4	5760.400	101.39	-3.48	--	--	Peak	292.00	100	Horizontal	N/A
4**	5760.400	93.84	-3.48	--	--	AV	292.00	100	Horizontal	N/A
5	7558.900	47.92	-1.69	74.0	26.08	Peak	27.00	200	Horizontal	Pass
5**	7558.900	40.04	-1.69	54.0	13.96	AV	27.00	200	Horizontal	Pass
6	12229.625	51.79	2.62	74.0	22.21	Peak	287.00	300	Horizontal	Pass
6**	12229.625	41.43	2.62	54.0	12.57	AV	287.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.500	41.37	-17.75	74.0	32.63	Peak	224.00	400	Vertical	Pass
1**	1332.500	29.07	-17.75	54.0	24.93	AV	224.00	400	Vertical	Pass
2	2845.200	44.25	-10.79	74.0	29.75	Peak	44.00	100	Vertical	Pass
2**	2845.200	34.35	-10.79	54.0	19.65	AV	44.00	100	Vertical	Pass
3	4356.000	48.08	-4.95	74.0	25.92	Peak	78.00	200	Vertical	Pass
3**	4356.000	38.97	-4.95	54.0	15.03	AV	78.00	200	Vertical	Pass
4	5759.800	105.76	-3.49	--	--	Peak	185.00	300	Vertical	N/A
4**	5759.800	97.83	-3.49	--	--	AV	185.00	300	Vertical	N/A
5	7552.575	48.49	-1.56	74.0	25.51	Peak	215.00	100	Vertical	Pass
5**	7552.575	39.47	-1.56	54.0	14.53	AV	215.00	100	Vertical	Pass
6	12390.912	52.00	1.82	74.0	22.00	Peak	319.00	150	Vertical	Pass
6**	12390.912	40.93	1.82	54.0	13.07	AV	319.00	150	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	1203.100	43.57	-18.11	74.0	30.43	Peak	74.00	150	Horizontal	Pass
1**	1203.100	30.19	-18.11	54.0	23.81	AV	74.00	150	Horizontal	Pass
2	2725.000	44.00	-10.76	74.0	30.00	Peak	277.00	300	Horizontal	Pass
2**	2725.000	34.79	-10.76	54.0	19.21	AV	277.00	300	Horizontal	Pass
3	4319.800	48.10	-4.92	74.0	25.90	Peak	291.00	150	Horizontal	Pass
3**	4319.800	38.46	-4.92	54.0	15.54	AV	291.00	150	Horizontal	Pass
4	5802.000	100.98	-2.68	--	--	Peak	291.00	300	Horizontal	N/A
4**	5802.000	94.27	-2.68	--	--	AV	291.00	300	Horizontal	N/A
5	7540.500	48.51	-1.66	74.0	25.49	Peak	298.00	100	Horizontal	Pass
5**	7540.500	39.97	-1.66	54.0	14.03	AV	298.00	100	Horizontal	Pass
6	12229.913	50.86	2.62	74.0	23.14	Peak	38.00	300	Horizontal	Pass
6**	12229.913	42.09	2.62	54.0	11.91	AV	38.00	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	1439.700	44.08	-17.58	74.0	29.92	Peak	295.00	150	Vertical	Pass
1**	1439.700	29.37	-17.58	54.0	24.63	AV	295.00	150	Vertical	Pass
2	2794.600	44.22	-11.21	74.0	29.78	Peak	328.00	200	Vertical	Pass
2**	2794.600	34.46	-11.21	54.0	19.54	AV	328.00	200	Vertical	Pass
3	4266.400	48.15	-4.80	74.0	25.85	Peak	158.00	100	Vertical	Pass
3**	4266.400	38.70	-4.80	54.0	15.30	AV	158.00	100	Vertical	Pass
4	5792.200	105.99	-2.85	--	--	Peak	187.00	400	Vertical	N/A
4**	5792.200	98.01	-2.85	--	--	AV	187.00	400	Vertical	N/A
5	7553.725	48.91	-1.56	74.0	25.09	Peak	360.00	150	Vertical	Pass
5**	7553.725	39.53	-1.56	54.0	14.47	AV	360.00	150	Vertical	Pass
6	11666.413	51.18	2.49	74.0	22.82	Peak	174.00	300	Vertical	Pass
6**	11666.413	41.58	2.49	54.0	12.42	AV	174.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.700	43.74	-18.16	74.0	30.26	Peak	127.00	150	Horizontal	Pass
1**	1200.700	32.09	-18.16	54.0	21.91	AV	127.00	150	Horizontal	Pass
2	2873.100	44.00	-10.58	74.0	30.00	Peak	35.00	300	Horizontal	Pass
2**	2873.100	34.84	-10.58	54.0	19.16	AV	35.00	300	Horizontal	Pass
3	4241.800	48.67	-5.05	74.0	25.33	Peak	37.00	200	Horizontal	Pass
3**	4241.800	38.55	-5.05	54.0	15.45	AV	37.00	200	Horizontal	Pass
4	5749.600	104.14	-3.59	--	--	Peak	293.00	200	Horizontal	N/A
4**	5749.600	96.78	-3.59	--	--	AV	293.00	200	Horizontal	N/A
5	7541.938	48.78	-1.64	74.0	25.22	Peak	69.00	100	Horizontal	Pass
5**	7541.938	39.37	-1.64	54.0	14.63	AV	69.00	100	Horizontal	Pass
6	11712.987	51.03	2.11	74.0	22.97	Peak	329.00	200	Horizontal	Pass
6**	11712.987	42.41	2.11	54.0	11.59	AV	329.00	200	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	1329.800	43.59	-17.69	74.0	30.41	Peak	255.00	200	Vertical	Pass
1**	1329.800	31.74	-17.69	54.0	22.26	AV	255.00	200	Vertical	Pass
2	2876.400	44.35	-10.50	74.0	29.65	Peak	31.00	200	Vertical	Pass
2**	2876.400	34.80	-10.50	54.0	19.20	AV	31.00	200	Vertical	Pass
3	4282.000	48.81	-4.73	74.0	25.19	Peak	200.00	150	Vertical	Pass
3**	4282.000	39.89	-4.73	54.0	14.11	AV	200.00	150	Vertical	Pass
4	5746.600	107.98	-3.59	--	--	Peak	286.00	400	Vertical	N/A
4**	5746.600	99.96	-3.59	--	--	AV	286.00	400	Vertical	N/A
5	7533.313	47.93	-1.71	74.0	26.07	Peak	100.00	200	Vertical	Pass
5**	7533.313	39.28	-1.71	54.0	14.72	AV	100.00	200	Vertical	Pass
6	12225.599	50.48	2.61	74.0	23.52	Peak	360.00	100	Vertical	Pass
6**	12225.599	41.51	2.61	54.0	12.49	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.500	44.20	-18.16	74.0	29.80	Peak	35.00	150	Horizontal	Pass
1**	1200.500	30.39	-18.16	54.0	23.61	AV	35.00	150	Horizontal	Pass
2	2824.600	44.13	-10.51	74.0	29.87	Peak	355.00	200	Horizontal	Pass
2**	2824.600	34.12	-10.51	54.0	19.88	AV	355.00	200	Horizontal	Pass
3	4284.600	48.80	-4.69	74.0	25.20	Peak	172.00	150	Horizontal	Pass
3**	4284.600	39.85	-4.69	54.0	14.15	AV	172.00	150	Horizontal	Pass
4	5790.200	103.82	-2.88	--	--	Peak	292.00	300	Horizontal	N/A
4**	5790.200	95.82	-2.88	--	--	AV	292.00	300	Horizontal	N/A
5	7481.563	48.99	-1.84	74.0	25.01	Peak	360.00	100	Horizontal	Pass
5**	7481.563	39.69	-1.84	54.0	14.31	AV	360.00	100	Horizontal	Pass
6	12227.037	51.35	2.61	74.0	22.65	Peak	256.00	400	Horizontal	Pass
6**	12227.037	41.80	2.61	54.0	12.20	AV	256.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.300	45.22	-18.17	74.0	28.78	Peak	159.00	150	Vertical	Pass
1**	1199.300	29.51	-18.17	54.0	24.49	AV	159.00	150	Vertical	Pass
2	2825.400	44.08	-10.50	74.0	29.92	Peak	308.00	300	Vertical	Pass
2**	2825.400	34.28	-10.50	54.0	19.72	AV	308.00	300	Vertical	Pass
3	4249.000	48.14	-4.74	74.0	25.86	Peak	350.00	150	Vertical	Pass
3**	4249.000	38.80	-4.74	54.0	15.20	AV	350.00	150	Vertical	Pass
4	5790.200	108.27	-2.88	--	--	Peak	187.00	300	Vertical	N/A
4**	5790.200	100.13	-2.88	--	--	AV	187.00	300	Vertical	N/A
5	7548.263	49.02	-1.59	74.0	24.98	Peak	360.00	150	Vertical	Pass
5**	7548.263	39.82	-1.59	54.0	14.18	AV	360.00	150	Vertical	Pass
6	11685.100	50.56	2.42	74.0	23.44	Peak	256.00	400	Vertical	Pass
6**	11685.100	41.54	2.42	54.0	12.46	AV	256.00	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	1439.900	43.02	-17.58	74.0	30.98	Peak	280.00	150	Horizontal	Pass
1**	1439.900	31.29	-17.58	54.0	22.71	AV	280.00	150	Horizontal	Pass
2	2878.700	43.87	-10.35	74.0	30.13	Peak	138.00	100	Horizontal	Pass
2**	2878.700	35.24	-10.35	54.0	18.76	AV	138.00	100	Horizontal	Pass
3	4298.400	48.79	-4.89	74.0	25.21	Peak	237.00	100	Horizontal	Pass
3**	4298.400	39.47	-4.89	54.0	14.53	AV	237.00	100	Horizontal	Pass
4	5823.400	103.38	-2.75	--	--	Peak	293.00	300	Horizontal	N/A
4**	5823.400	95.61	-2.75	--	--	AV	293.00	300	Horizontal	N/A
5	7554.013	48.38	-1.56	74.0	25.62	Peak	266.00	200	Horizontal	Pass
5**	7554.013	39.55	-1.56	54.0	14.45	AV	266.00	200	Horizontal	Pass
6	12316.162	51.50	2.21	74.0	22.50	Peak	120.00	400	Horizontal	Pass
6**	12316.162	41.51	2.21	54.0	12.49	AV	120.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.500	44.05	-17.58	74.0	29.95	Peak	345.00	150	Vertical	Pass
1**	1439.500	30.39	-17.58	54.0	23.61	AV	345.00	150	Vertical	Pass
2	2871.700	44.43	-10.59	74.0	29.57	Peak	285.00	300	Vertical	Pass
2**	2871.700	34.46	-10.59	54.0	19.54	AV	285.00	300	Vertical	Pass
3	4266.200	48.45	-4.80	74.0	25.55	Peak	158.00	150	Vertical	Pass
3**	4266.200	39.68	-4.80	54.0	14.32	AV	158.00	150	Vertical	Pass
4	5829.600	107.87	-2.74	--	--	Peak	186.00	100	Vertical	N/A
4**	5829.600	100.27	-2.74	--	--	AV	186.00	100	Vertical	N/A
5	7545.388	48.28	-1.59	74.0	25.72	Peak	0.00	200	Vertical	Pass
5**	7545.388	39.45	-1.59	54.0	14.55	AV	0.00	200	Vertical	Pass
6	11630.763	50.95	2.34	74.0	23.05	Peak	80.00	200	Vertical	Pass
6**	11630.763	41.39	2.34	54.0	12.61	AV	80.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.800	46.91	-18.15	74.0	27.09	Peak	127.00	150	Horizontal	Pass
1**	1200.800	31.38	-18.15	54.0	22.62	AV	127.00	150	Horizontal	Pass
2	2813.400	44.56	-10.82	74.0	29.44	Peak	109.00	200	Horizontal	Pass
2**	2813.400	34.71	-10.82	54.0	19.29	AV	109.00	200	Horizontal	Pass
3	4266.600	49.18	-4.81	74.0	24.82	Peak	272.00	100	Horizontal	Pass
3**	4266.600	39.01	-4.81	54.0	14.99	AV	272.00	100	Horizontal	Pass
4	5753.000	101.03	-3.50	--	--	Peak	286.00	400	Horizontal	N/A
4**	5753.000	93.42	-3.50	--	--	AV	286.00	400	Horizontal	N/A
5	7549.125	48.45	-1.60	74.0	25.55	Peak	131.00	200	Horizontal	Pass
5**	7549.125	38.99	-1.60	54.0	15.01	AV	131.00	200	Horizontal	Pass
6	12080.987	50.77	1.35	74.0	23.23	Peak	120.00	200	Horizontal	Pass
6**	12080.987	40.25	1.35	54.0	13.75	AV	120.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.200	42.11	-17.65	74.0	31.89	Peak	342.00	100	Vertical	Pass
1**	1328.200	34.77	-17.65	54.0	19.23	AV	342.00	100	Vertical	Pass
2	2811.900	44.36	-10.82	74.0	29.64	Peak	350.00	300	Vertical	Pass
2**	2811.900	35.24	-10.82	54.0	18.76	AV	350.00	300	Vertical	Pass
3	4326.200	48.48	-4.86	74.0	25.52	Peak	273.00	150	Vertical	Pass
3**	4326.200	39.33	-4.86	54.0	14.67	AV	273.00	150	Vertical	Pass
4	5761.200	106.11	-3.47	--	--	Peak	294.00	200	Vertical	N/A
4**	5761.200	97.83	-3.47	--	--	AV	294.00	200	Vertical	N/A
5	7625.600	48.36	-2.17	74.0	25.64	Peak	58.00	100	Vertical	Pass
5**	7625.600	40.11	-2.17	54.0	13.89	AV	58.00	100	Vertical	Pass
6	12239.974	50.76	2.64	74.0	23.24	Peak	110.00	200	Vertical	Pass
6**	12239.974	41.65	2.64	54.0	12.35	AV	110.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.800	45.22	-17.58	74.0	28.78	Peak	86.00	150	Horizontal	Pass
1**	1439.800	29.90	-17.58	54.0	24.10	AV	86.00	150	Horizontal	Pass
2	2875.600	43.96	-10.55	74.0	30.04	Peak	146.00	300	Horizontal	Pass
2**	2875.600	35.90	-10.55	54.0	18.10	AV	146.00	300	Horizontal	Pass
3	4260.400	49.06	-4.71	74.0	24.94	Peak	273.00	100	Horizontal	Pass
3**	4260.400	38.29	-4.71	54.0	15.71	AV	273.00	100	Horizontal	Pass
4	5796.800	101.29	-2.73	--	--	Peak	286.00	200	Horizontal	N/A
4**	5796.800	93.34	-2.73	--	--	AV	286.00	200	Horizontal	N/A
5	7542.225	48.21	-1.64	74.0	25.79	Peak	360.00	100	Horizontal	Pass
5**	7542.225	39.39	-1.64	54.0	14.61	AV	360.00	100	Horizontal	Pass
6	11701.488	50.81	2.28	74.0	23.19	Peak	204.00	200	Horizontal	Pass
6**	11701.488	41.30	2.28	54.0	12.70	AV	204.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.900	42.20	-17.73	74.0	31.80	Peak	225.00	400	Vertical	Pass
1**	1331.900	30.72	-17.73	54.0	23.28	AV	225.00	400	Vertical	Pass
2	2879.600	44.41	-10.29	74.0	29.59	Peak	242.00	400	Vertical	Pass
2**	2879.600	34.41	-10.29	54.0	19.59	AV	242.00	400	Vertical	Pass
3	4317.600	49.69	-4.98	74.0	24.31	Peak	343.00	100	Vertical	Pass
3**	4317.600	39.16	-4.98	54.0	14.84	AV	343.00	100	Vertical	Pass
4	5799.800	106.11	-2.69	--	--	Peak	187.00	300	Vertical	N/A
4**	5799.800	98.64	-2.69	--	--	AV	187.00	300	Vertical	N/A
5	7416.875	48.76	-2.01	74.0	25.24	Peak	320.00	150	Vertical	Pass
5**	7416.875	39.16	-2.01	54.0	14.84	AV	320.00	150	Vertical	Pass
6	12194.838	51.23	2.49	74.0	22.77	Peak	79.00	100	Vertical	Pass
6**	12194.838	41.79	2.49	54.0	12.21	AV	79.00	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	1198.900	44.89	-18.18	74.0	29.11	Peak	121.00	150	Horizontal	Pass
1**	1198.900	31.19	-18.18	54.0	22.81	AV	121.00	150	Horizontal	Pass
2	2864.800	44.07	-10.58	74.0	29.93	Peak	118.00	300	Horizontal	Pass
2**	2864.800	33.96	-10.58	54.0	20.04	AV	118.00	300	Horizontal	Pass
3	4325.800	48.54	-4.86	74.0	25.46	Peak	245.00	150	Horizontal	Pass
3**	4325.800	38.72	-4.86	54.0	15.28	AV	245.00	150	Horizontal	Pass
4	5785.200	97.86	-3.01	--	--	Peak	294.00	200	Horizontal	N/A
4**	5785.200	89.91	-3.01	--	--	AV	294.00	200	Horizontal	N/A
5	7553.150	47.98	-1.56	74.0	26.02	Peak	195.00	150	Horizontal	Pass
5**	7553.150	39.56	-1.56	54.0	14.44	AV	195.00	150	Horizontal	Pass
6	12341.750	50.93	2.08	74.0	23.07	Peak	320.00	100	Horizontal	Pass
6**	12341.750	41.41	2.08	54.0	12.59	AV	320.00	100	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	1329.300	42.15	-17.68	74.0	31.85	Peak	231.00	200	Vertical	Pass
1**	1329.300	30.26	-17.68	54.0	23.74	AV	231.00	200	Vertical	Pass
2	2738.400	44.35	-10.70	74.0	29.65	Peak	115.00	300	Vertical	Pass
2**	2738.400	34.54	-10.70	54.0	19.46	AV	115.00	300	Vertical	Pass
3	4299.000	48.34	-4.88	74.0	25.66	Peak	165.00	150	Vertical	Pass
3**	4299.000	39.04	-4.88	54.0	14.96	AV	165.00	150	Vertical	Pass
4	5793.400	103.02	-2.83	--	--	Peak	186.00	300	Vertical	N/A
4**	5793.400	95.17	-2.83	--	--	AV	186.00	300	Vertical	N/A
5	7537.913	47.99	-1.69	74.0	26.01	Peak	172.00	150	Vertical	Pass
5**	7537.913	38.89	-1.69	54.0	15.11	AV	172.00	150	Vertical	Pass
6	11680.500	51.29	2.44	74.0	22.71	Peak	37.00	200	Vertical	Pass
6**	11680.500	41.49	2.44	54.0	12.51	AV	37.00	200	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

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

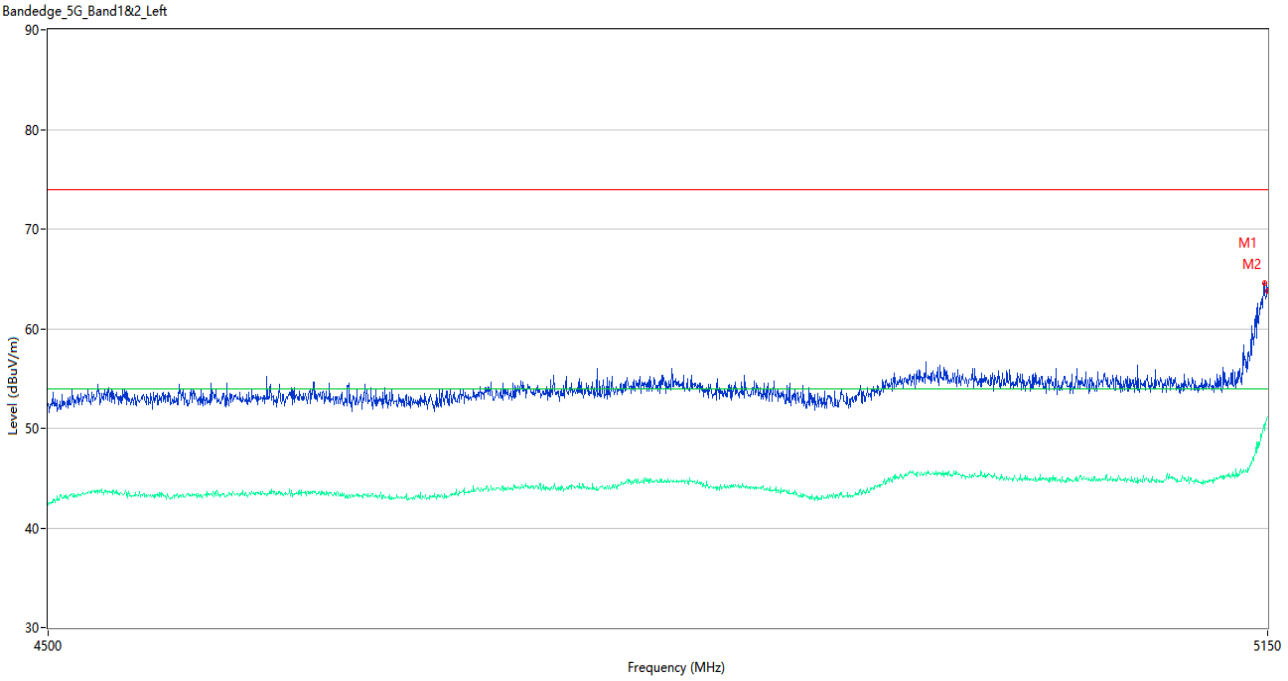
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

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

Test Data and Plots

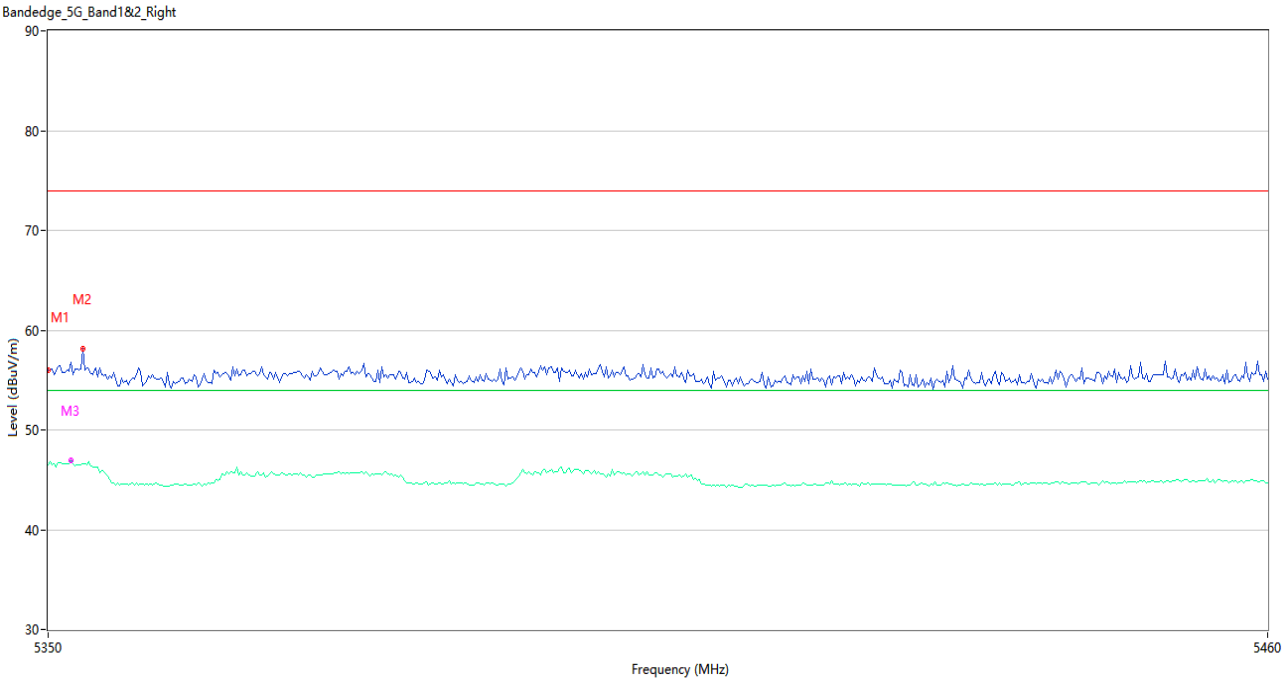
SISO-Antenna A

U-NII-1 11a Low Channel



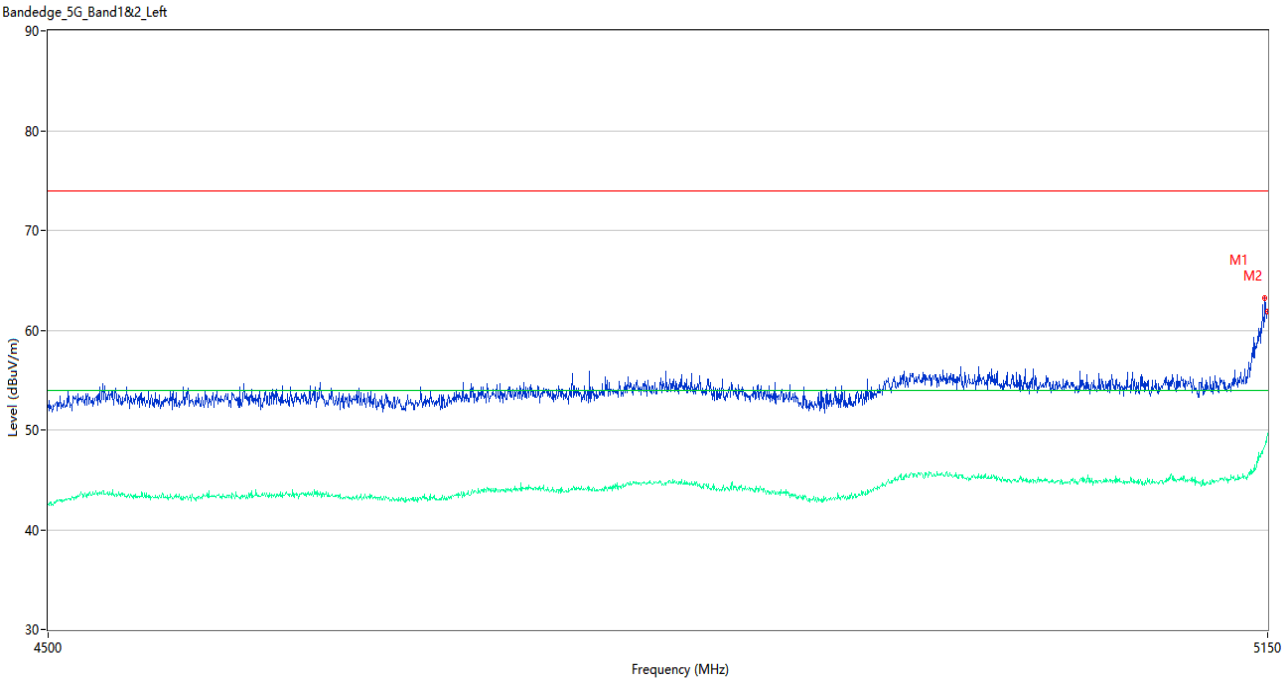
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.050	64.58	0.87	74.0	9.42	Peak	269.00	100	Vertical	Pass
1**	5148.050	49.81	0.87	54.0	4.19	AV	269.00	100	Vertical	Pass
2	5150.000	63.84	0.84	74.0	10.16	Peak	305.00	200	Vertical	Pass
2**	5150.000	51.12	0.84	54.0	2.88	AV	305.00	200	Vertical	Pass

U-NII-1 11a High Channel



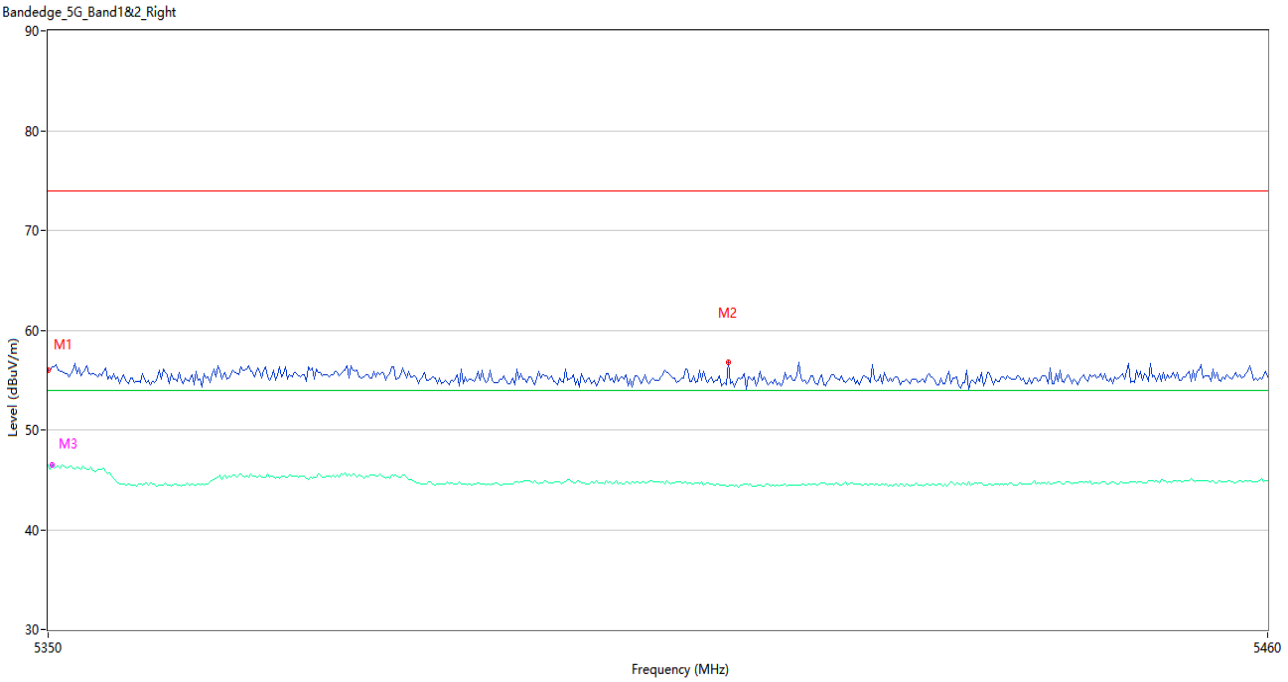
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.99	0.85	74.0	18.01	Peak	266.00	100	Vertical	Pass
1**	5350.000	46.48	0.85	54.0	7.52	AV	266.00	100	Vertical	Pass
2	5353.117	58.16	0.81	74.0	15.84	Peak	181.00	200	Vertical	Pass
2**	5353.117	46.63	0.81	54.0	7.37	AV	181.00	200	Vertical	Pass
3	5352.016	56.83	0.84	74.0	17.17	Peak	183.00	150	Vertical	Pass
3**	5352.016	46.96	0.84	54.0	7.04	AV	183.00	150	Vertical	Pass

U-NII-1 11n20 Low Channel



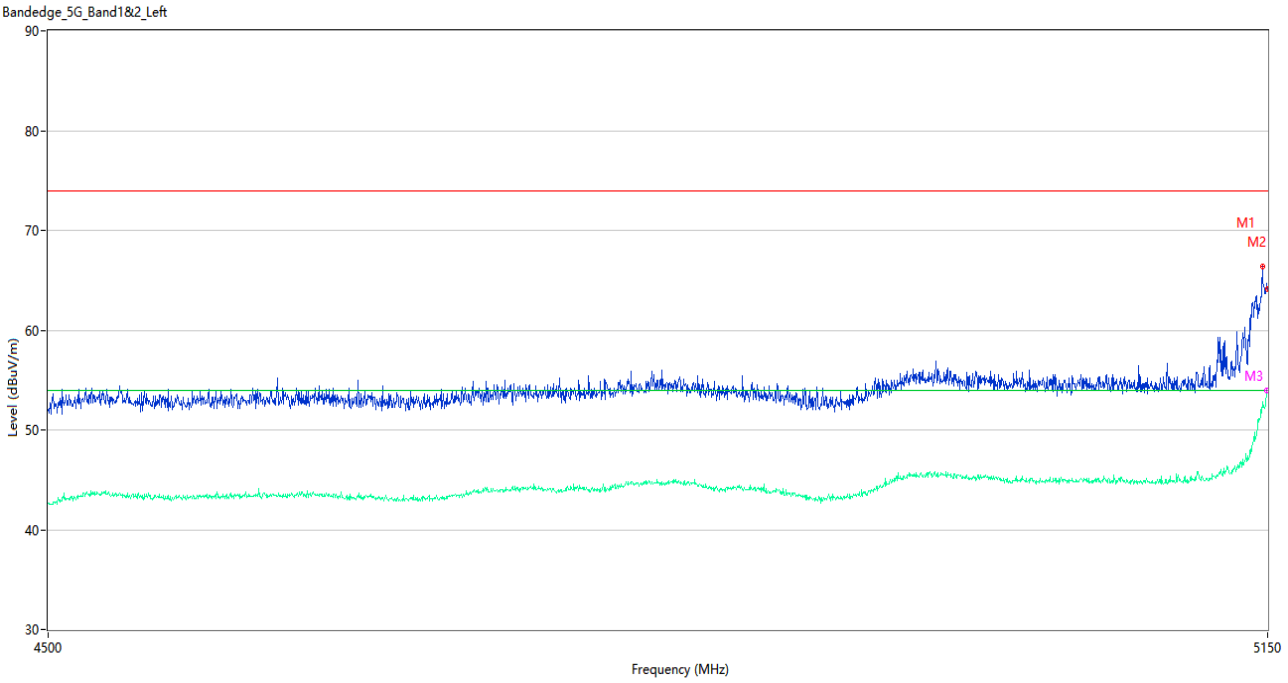
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.375	63.20	0.86	74.0	10.80	Peak	181.00	150	Vertical	Pass
1**	5148.375	48.47	0.86	54.0	5.53	AV	181.00	150	Vertical	Pass
2	5150.000	61.84	0.84	74.0	12.16	Peak	301.00	150	Vertical	Pass
2**	5150.000	49.71	0.84	54.0	4.29	AV	301.00	150	Vertical	Pass

U-NII-1 11n20 High Channel



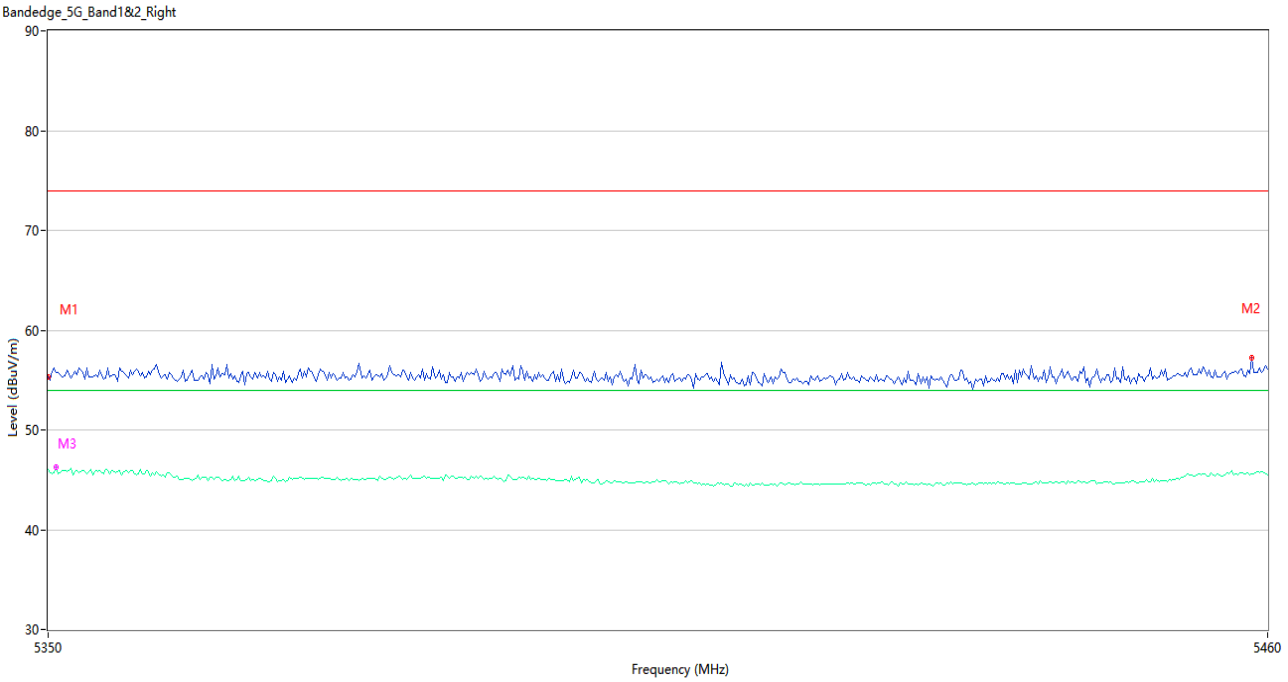
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.02	0.85	74.0	17.98	Peak	360.00	200	Vertical	Pass
1**	5350.000	46.48	0.85	54.0	7.52	AV	360.00	200	Vertical	Pass
2	5411.050	56.75	1.25	74.0	17.25	Peak	0.00	100	Vertical	Pass
2**	5411.050	44.35	1.25	54.0	9.65	AV	0.00	100	Vertical	Pass
3	5350.367	56.32	0.86	74.0	17.68	Peak	0.00	150	Vertical	Pass
3**	5350.367	46.51	0.86	54.0	7.49	AV	0.00	150	Vertical	Pass

U-NII-1 11n40 Low Channel



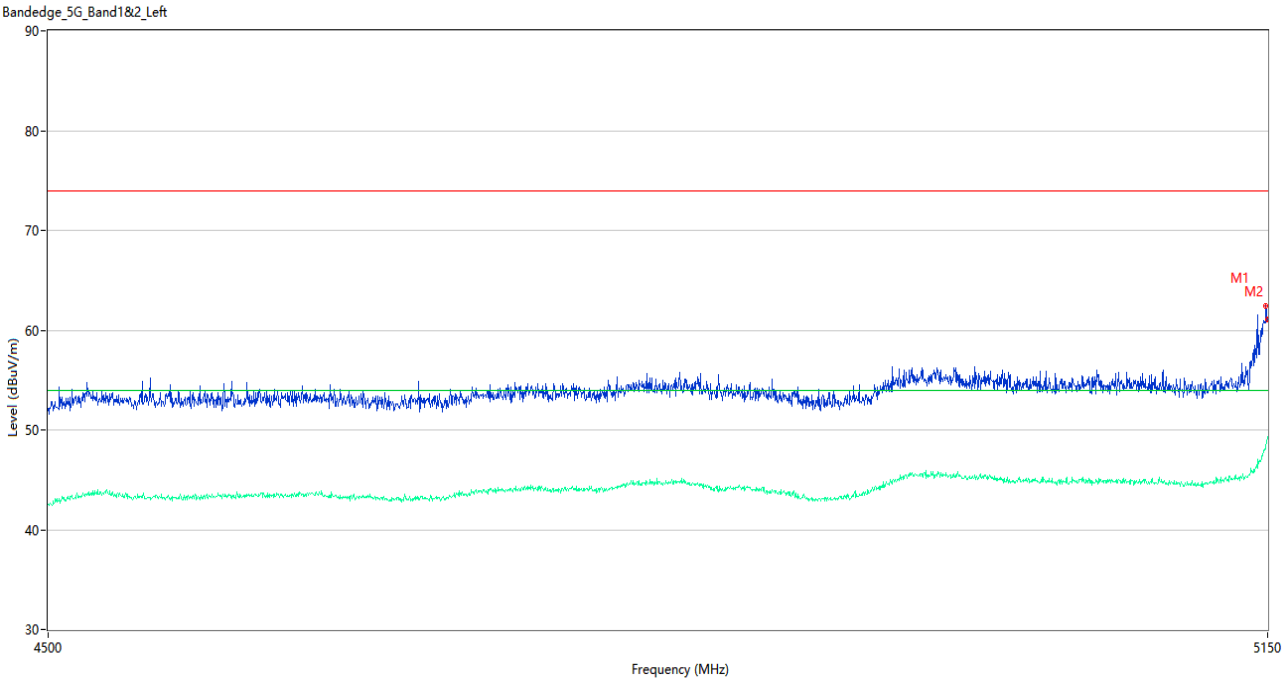
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	66.36	0.92	74.0	7.64	Peak	184.00	100	Vertical	Pass
1**	5147.075	52.27	0.92	54.0	1.73	AV	184.00	100	Vertical	Pass
2	5150.000	64.12	0.84	74.0	9.88	Peak	181.00	150	Vertical	Pass
2**	5150.000	53.72	0.84	54.0	0.28	AV	181.00	150	Vertical	Pass
3	5149.675	64.67	0.84	74.0	9.33	Peak	266.00	150	Vertical	Pass
3**	5149.675	53.97	0.84	54.0	0.03	AV	266.00	150	Vertical	Pass

U-NII-1 11n40 High Channel



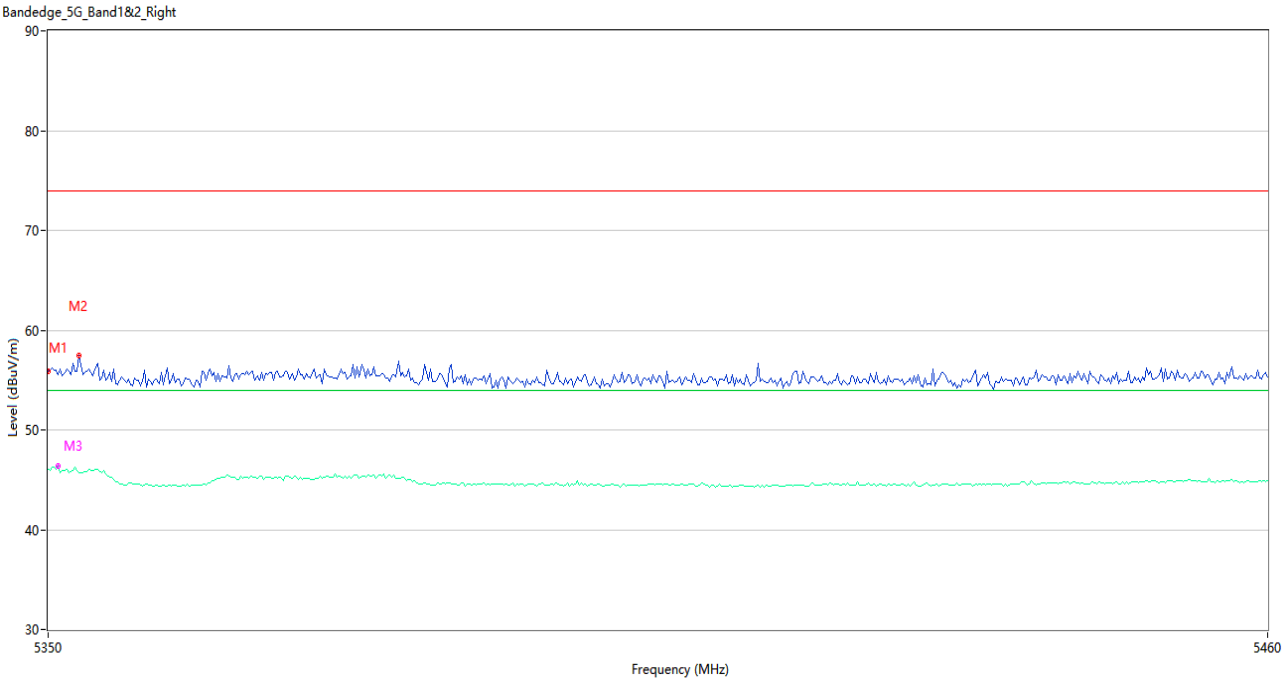
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.27	0.85	74.0	18.73	Peak	121.00	150	Vertical	Pass
1**	5350.000	46.02	0.85	54.0	7.98	AV	121.00	150	Vertical	Pass
2	5458.533	57.21	1.22	74.0	16.79	Peak	279.00	200	Vertical	Pass
2**	5458.533	45.56	1.22	54.0	8.44	AV	279.00	200	Vertical	Pass
3	5350.733	55.80	0.87	74.0	18.20	Peak	0.00	150	Vertical	Pass
3**	5350.733	46.26	0.87	54.0	7.74	AV	0.00	150	Vertical	Pass

U-NII-1 11ac20 Low Channel



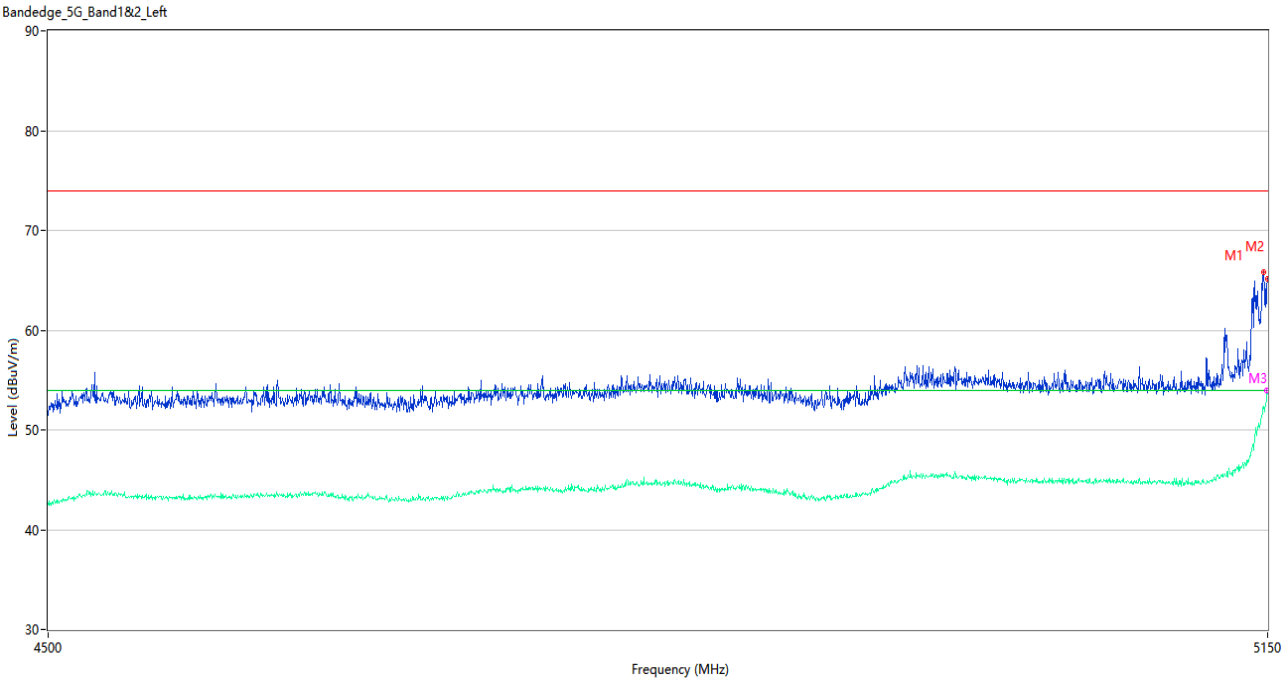
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	62.44	0.84	74.0	11.56	Peak	266.00	100	Vertical	Pass
1**	5149.025	48.19	0.84	54.0	5.81	AV	266.00	100	Vertical	Pass
2	5150.000	61.03	0.84	74.0	12.97	Peak	179.00	100	Vertical	Pass
2**	5150.000	49.29	0.84	54.0	4.71	AV	179.00	100	Vertical	Pass

U-NII-1 11ac20 High Channel



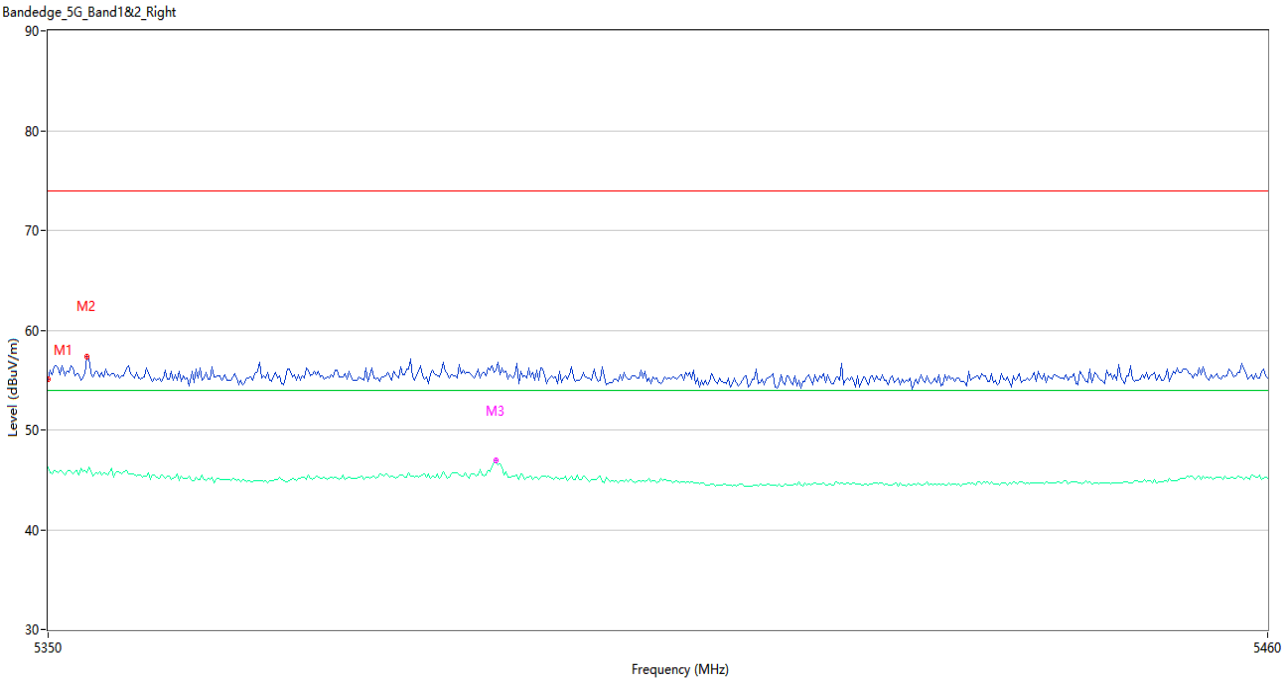
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.92	0.85	74.0	18.08	Peak	90.00	100	Vertical	Pass
1**	5350.000	46.09	0.85	54.0	7.91	AV	90.00	100	Vertical	Pass
2	5352.750	57.42	0.81	74.0	16.58	Peak	22.00	100	Vertical	Pass
2**	5352.750	45.75	0.81	54.0	8.25	AV	22.00	100	Vertical	Pass
3	5350.917	55.58	0.87	74.0	18.42	Peak	187.00	150	Vertical	Pass
3**	5350.917	46.43	0.87	54.0	7.57	AV	187.00	150	Vertical	Pass

U-NII-1 11ac40 Low Channel



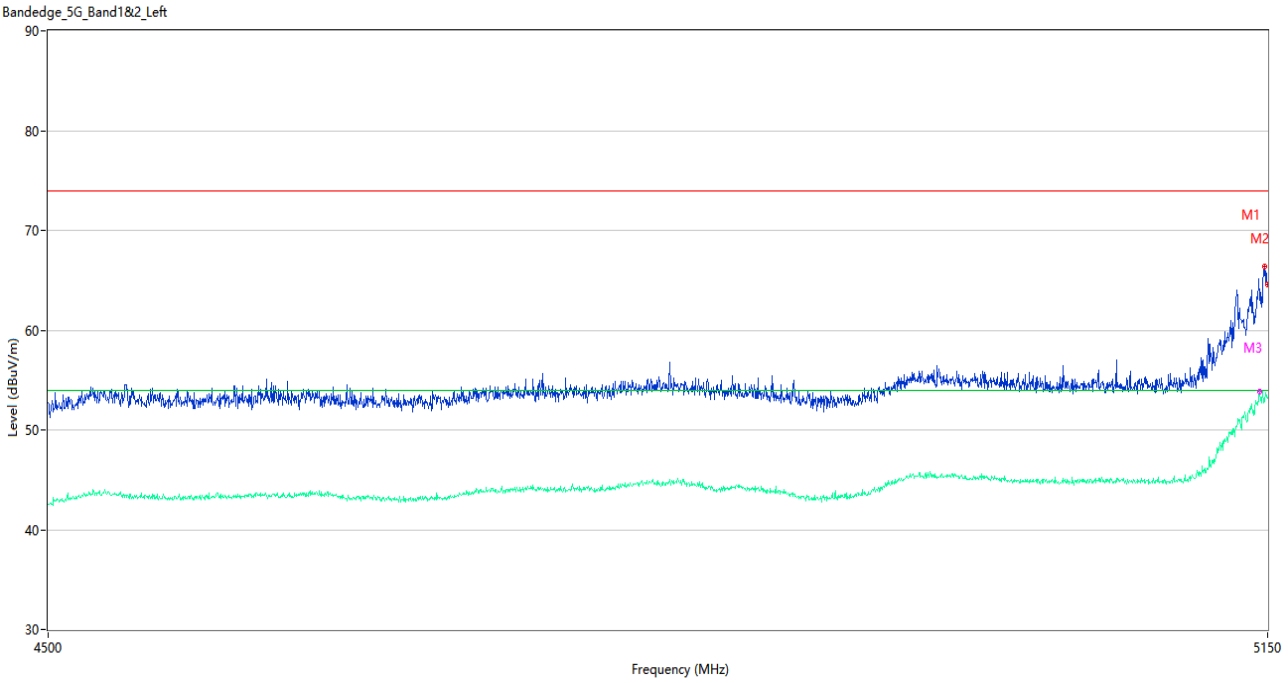
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.725	65.77	0.89	74.0	8.23	Peak	289.00	100	Vertical	Pass
1**	5147.725	52.34	0.89	54.0	1.66	AV	289.00	100	Vertical	Pass
2	5150.000	65.09	0.84	74.0	8.91	Peak	179.00	150	Vertical	Pass
2**	5150.000	53.58	0.84	54.0	0.42	AV	179.00	150	Vertical	Pass
3	5149.675	64.38	0.84	74.0	9.62	Peak	175.00	150	Vertical	Pass
3**	5149.675	53.97	0.84	54.0	0.03	AV	175.00	150	Vertical	Pass

U-NII-1 11ac40 High Channel



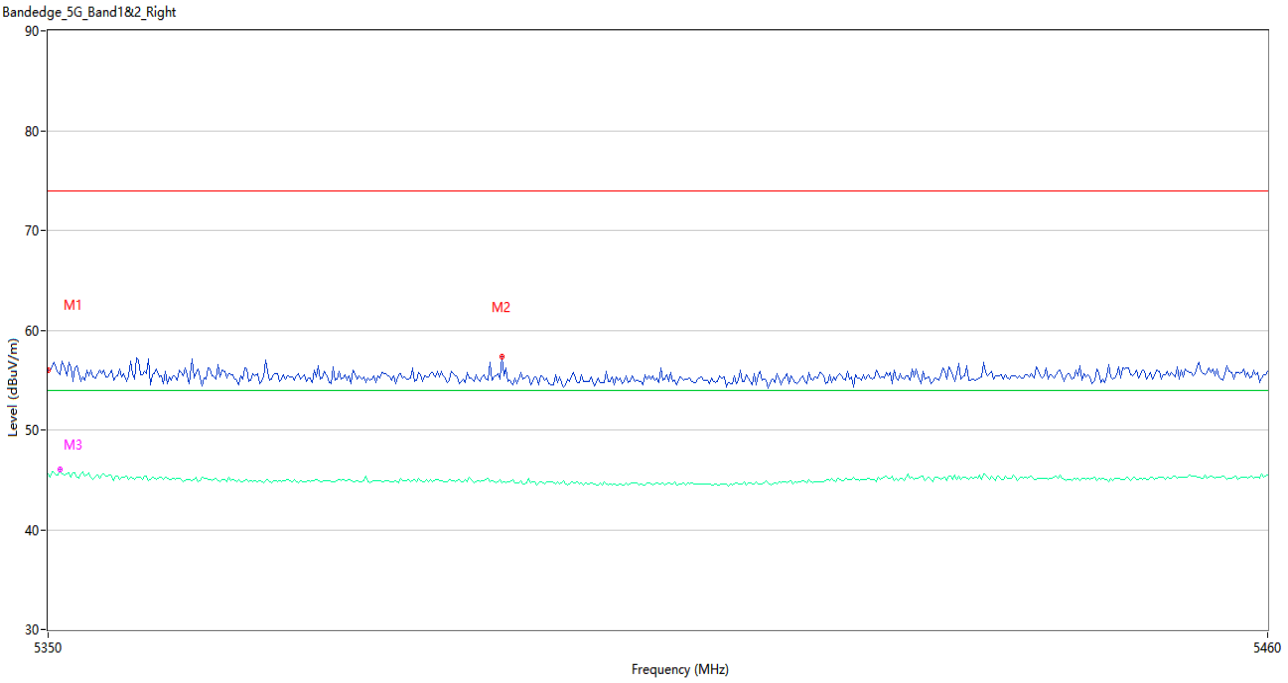
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.13	0.85	74.0	18.87	Peak	86.00	200	Vertical	Pass
1**	5350.000	46.29	0.85	54.0	7.71	AV	86.00	200	Vertical	Pass
2	5353.483	57.40	0.81	74.0	16.60	Peak	130.00	200	Vertical	Pass
2**	5353.483	45.69	0.81	54.0	8.31	AV	130.00	200	Vertical	Pass
3	5390.150	55.94	0.88	74.0	18.06	Peak	360.00	150	Vertical	Pass
3**	5390.150	46.91	0.88	54.0	7.09	AV	360.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel



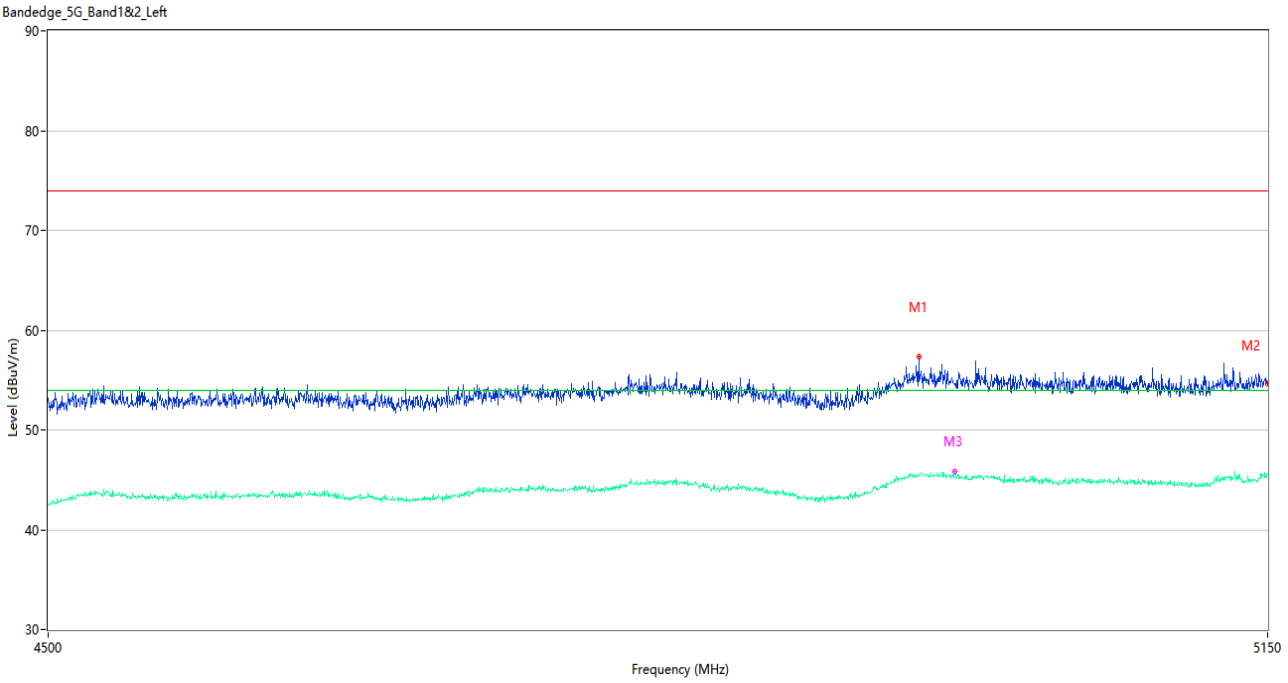
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.050	66.35	0.87	74.0	7.65	Peak	270.00	200	Vertical	Pass
1**	5148.050	52.77	0.87	54.0	1.23	AV	270.00	200	Vertical	Pass
2	5150.000	64.55	0.84	74.0	9.45	Peak	289.00	100	Vertical	Pass
2**	5150.000	53.16	0.84	54.0	0.84	AV	289.00	100	Vertical	Pass
3	5145.450	63.34	0.93	74.0	10.66	Peak	267.00	150	Vertical	Pass
3**	5145.450	53.82	0.93	54.0	0.18	AV	267.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel



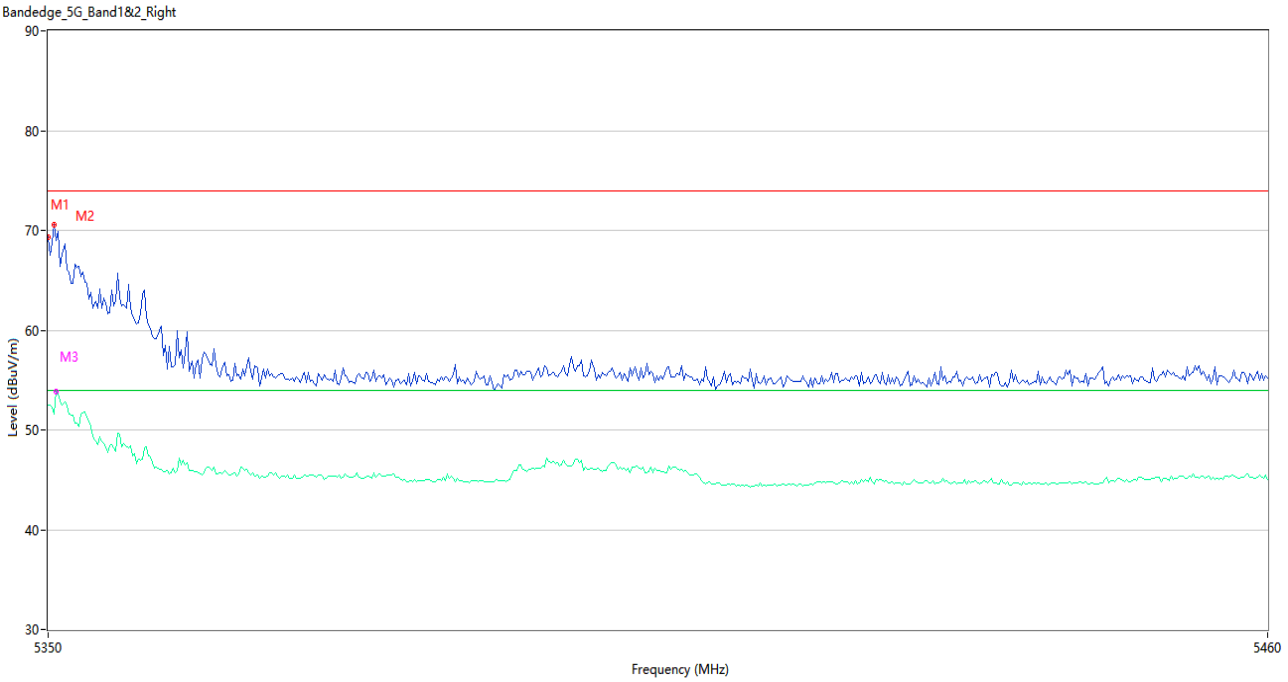
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.97	0.85	74.0	18.03	Peak	360.00	200	Vertical	Pass
1**	5350.000	45.63	0.85	54.0	8.37	AV	360.00	200	Vertical	Pass
2	5390.700	57.34	0.87	74.0	16.66	Peak	264.00	200	Vertical	Pass
2**	5390.700	44.69	0.87	54.0	9.31	AV	264.00	200	Vertical	Pass
3	5351.100	55.58	0.86	74.0	18.42	Peak	6.00	150	Vertical	Pass
3**	5351.100	46.04	0.86	54.0	7.96	AV	6.00	150	Vertical	Pass

U-NII-2A 11a Low Channel



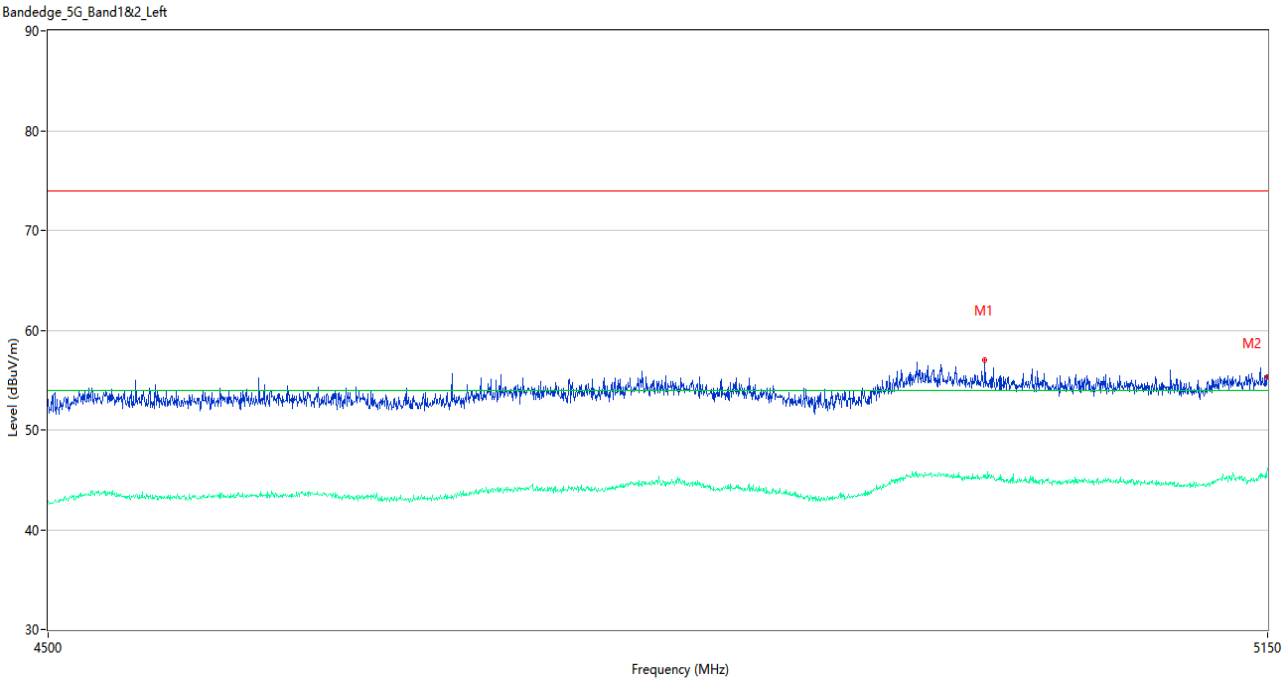
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4955.000	57.31	2.39	74.0	16.69	Peak	33.00	200	Vertical	Pass
1**	4955.000	45.50	2.39	54.0	8.50	AV	33.00	200	Vertical	Pass
2	5150.000	54.64	0.84	74.0	19.36	Peak	300.00	200	Vertical	Pass
2**	5150.000	45.55	0.84	54.0	8.45	AV	300.00	200	Vertical	Pass
3	4974.825	54.66	1.90	74.0	19.34	Peak	142.00	150	Vertical	Pass
3**	4974.825	45.83	1.90	54.0	8.17	AV	142.00	150	Vertical	Pass

U-NII-2A 11a High Channel



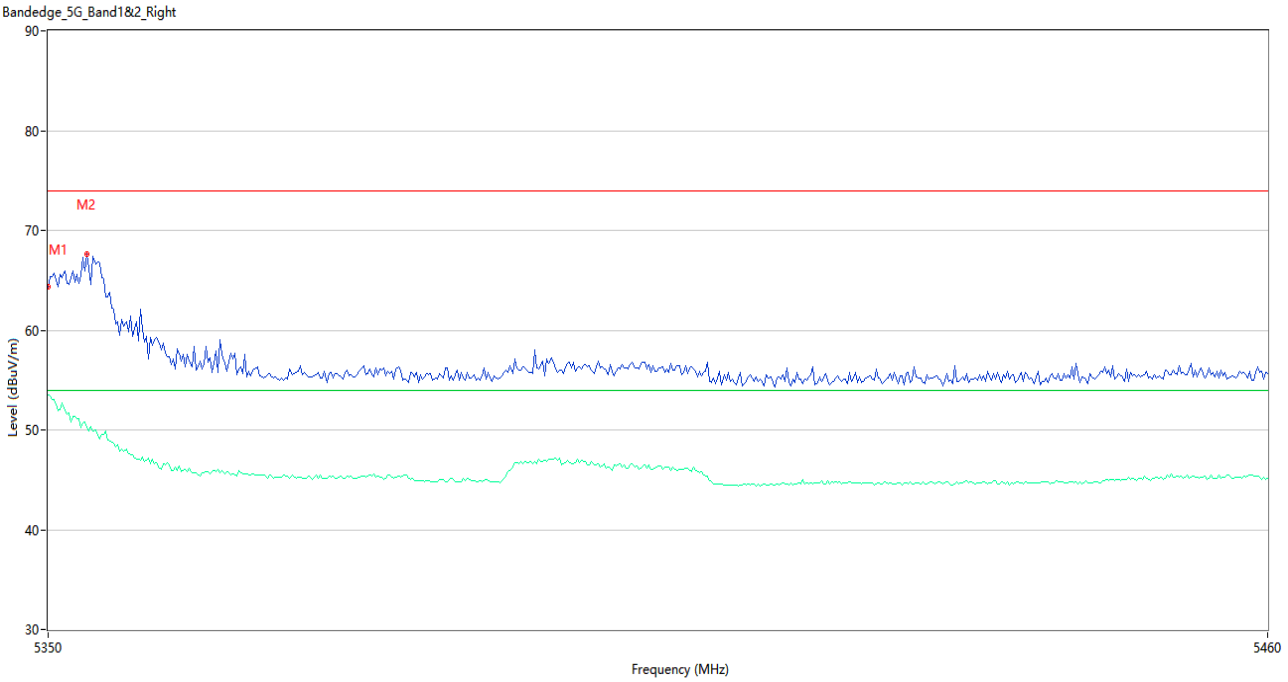
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	69.29	0.85	74.0	4.71	Peak	186.00	200	Vertical	Pass
1**	5350.000	52.44	0.85	54.0	1.56	AV	186.00	200	Vertical	Pass
2	5350.550	70.53	0.87	74.0	3.47	Peak	177.00	150	Vertical	Pass
2**	5350.550	51.60	0.87	54.0	2.40	AV	177.00	150	Vertical	Pass
3	5350.733	68.96	0.87	74.0	5.04	Peak	172.00	150	Vertical	Pass
3**	5350.733	53.88	0.87	54.0	0.12	AV	172.00	150	Vertical	Pass

U-NII-2A 11n20 Low Channel



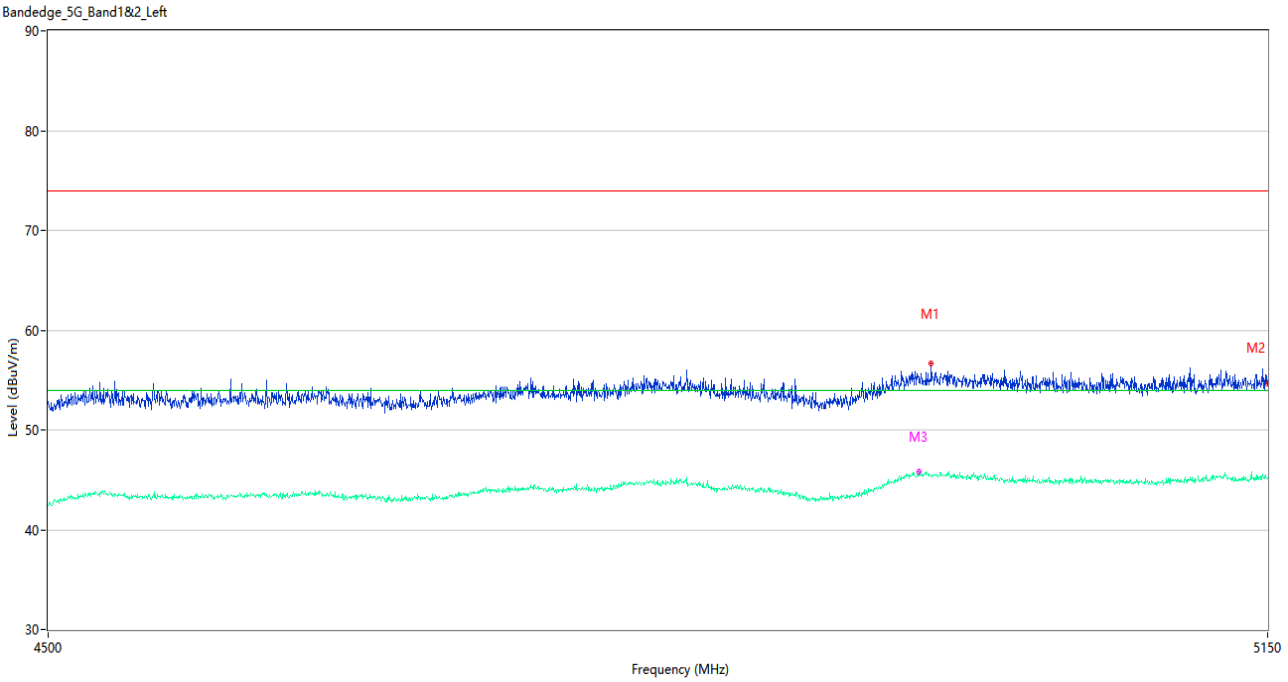
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4991.400	57.02	1.88	74.0	16.98	Peak	327.00	100	Vertical	Pass
1**	4991.400	45.48	1.88	54.0	8.52	AV	327.00	100	Vertical	Pass
2	5150.000	55.31	0.84	74.0	18.69	Peak	39.00	150	Vertical	Pass
2**	5150.000	46.16	0.84	54.0	7.84	AV	39.00	150	Vertical	Pass

U-NII-2A 11n20 High Channel



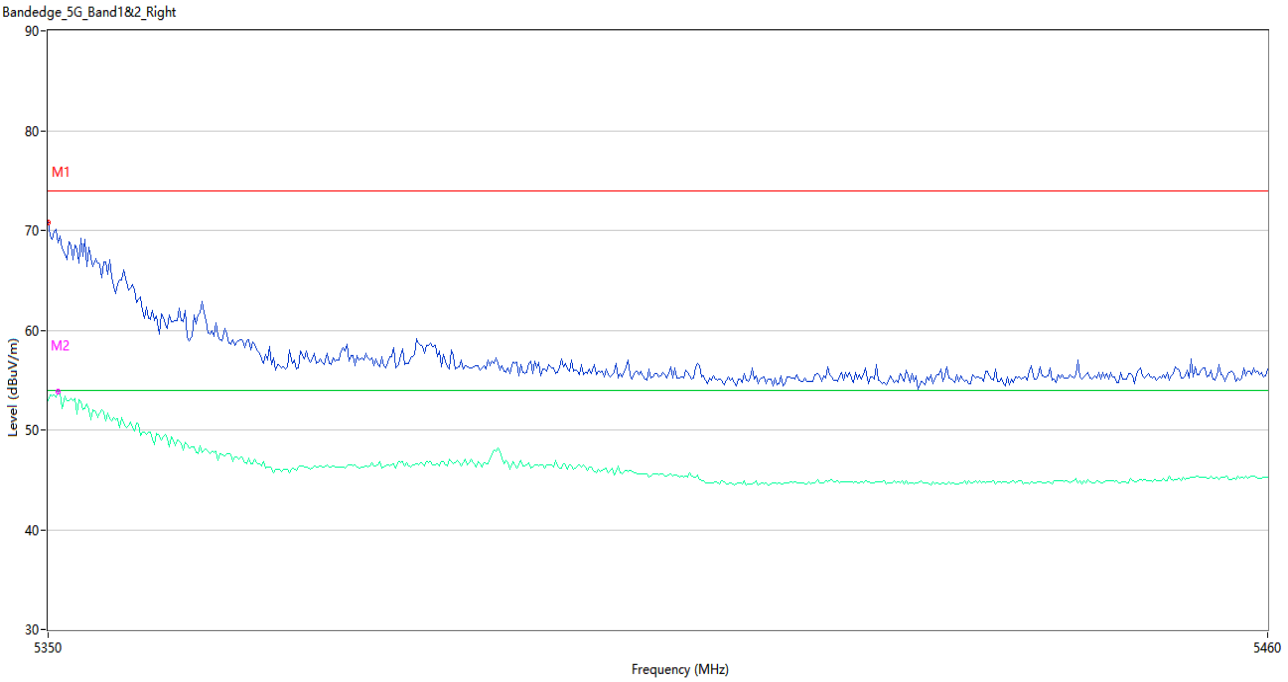
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	64.39	0.85	74.0	9.61	Peak	180.00	150	Vertical	Pass
1**	5350.000	53.48	0.85	54.0	0.52	AV	180.00	150	Vertical	Pass
2	5353.483	67.59	0.81	74.0	6.41	Peak	264.00	150	Vertical	Pass
2**	5353.483	50.23	0.81	54.0	3.77	AV	264.00	150	Vertical	Pass

U-NII-2A 11n40 Low Channel



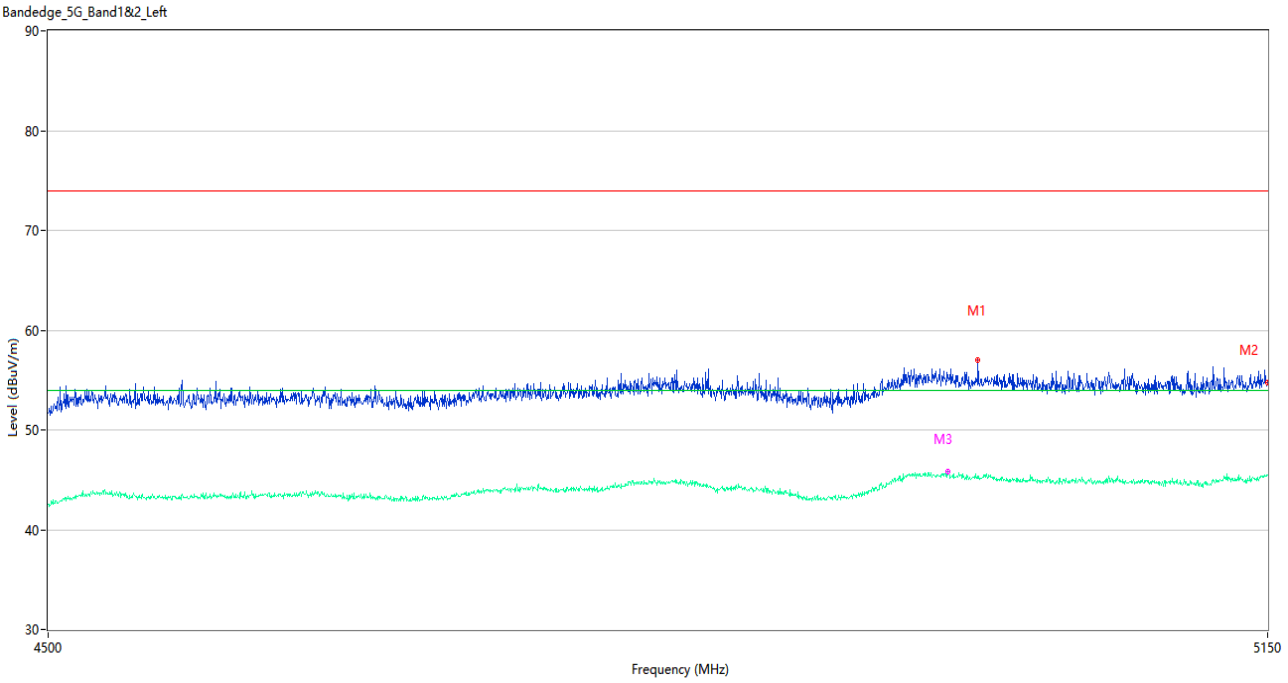
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4961.825	56.62	2.07	74.0	17.38	Peak	9.00	150	Vertical	Pass
1**	4961.825	45.52	2.07	54.0	8.48	AV	9.00	150	Vertical	Pass
2	5150.000	54.67	0.84	74.0	19.33	Peak	360.00	100	Vertical	Pass
2**	5150.000	45.09	0.84	54.0	8.91	AV	360.00	100	Vertical	Pass
3	4955.325	54.73	2.39	74.0	19.27	Peak	143.00	150	Vertical	Pass
3**	4955.325	45.86	2.39	54.0	8.14	AV	143.00	150	Vertical	Pass

U-NII-2A 11n40 High Channel



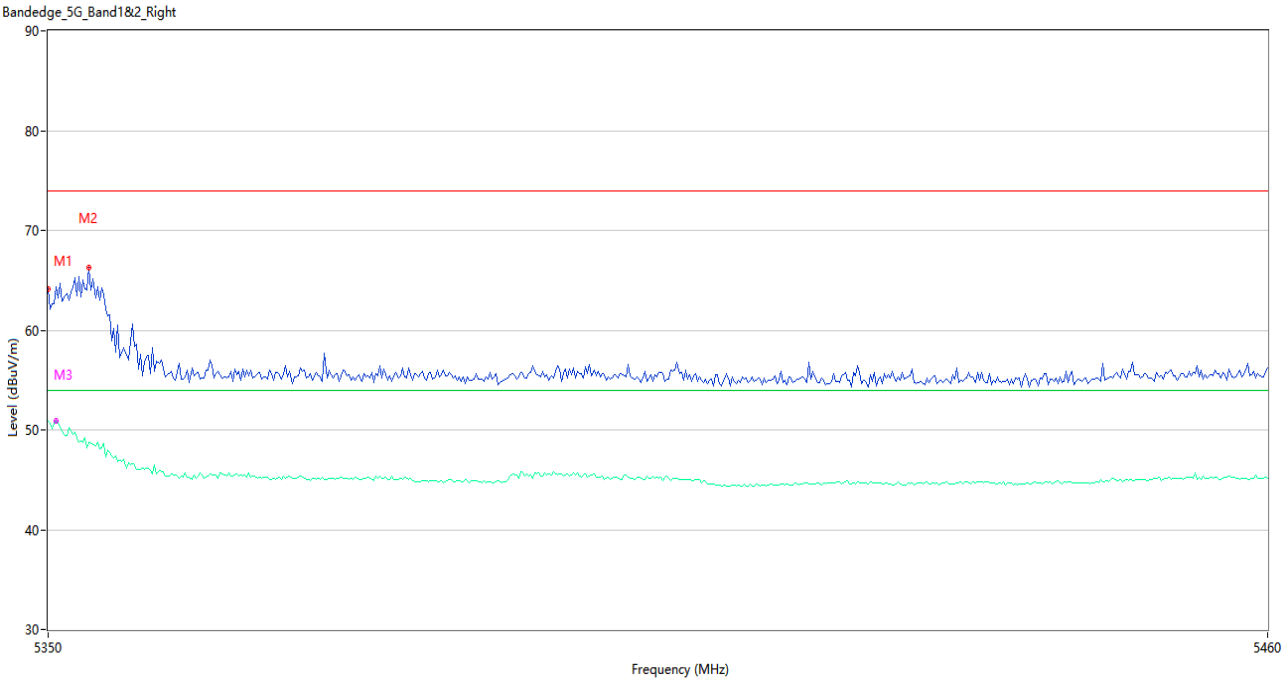
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	70.83	0.85	74.0	3.17	Peak	181.00	150	Vertical	Pass
1**	5350.000	52.91	0.85	54.0	1.09	AV	181.00	150	Vertical	Pass
2	5350.917	68.81	0.87	74.0	5.19	Peak	262.00	150	Vertical	Pass
2**	5350.917	53.84	0.87	54.0	0.16	AV	262.00	150	Vertical	Pass

U-NII-2A 11ac20 Low Channel



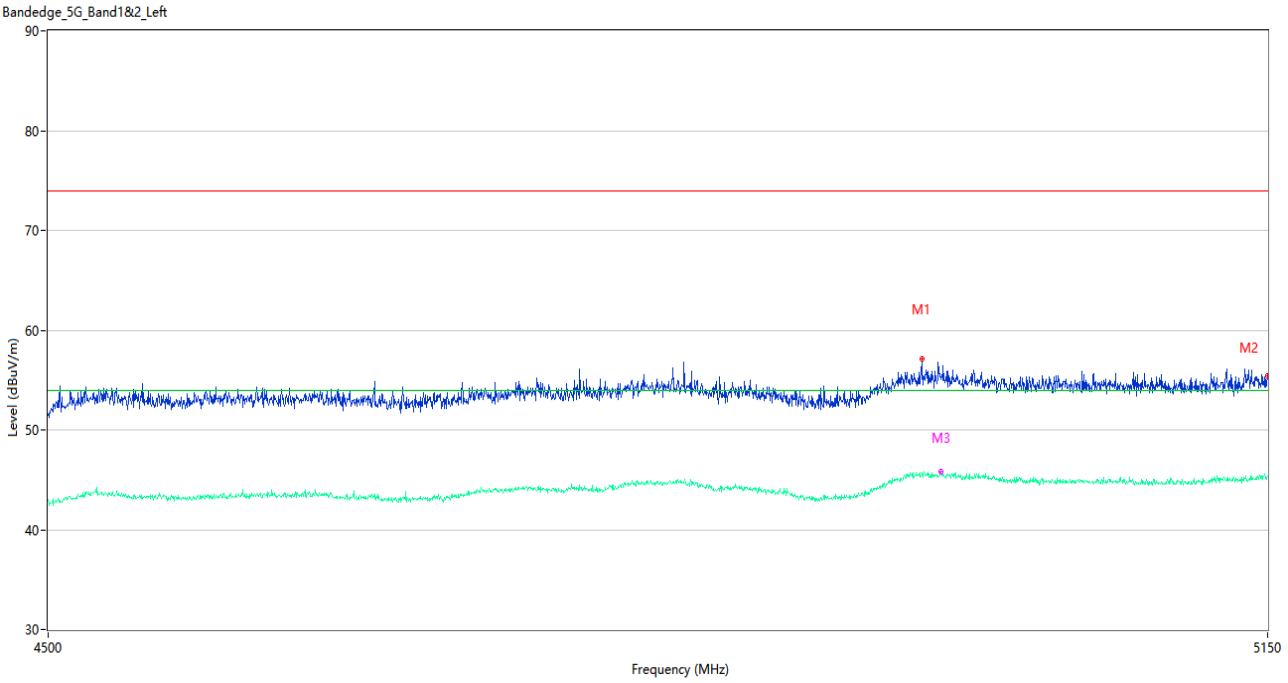
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4987.500	57.01	1.80	74.0	16.99	Peak	188.00	100	Vertical	Pass
1**	4987.500	45.13	1.80	54.0	8.87	AV	188.00	100	Vertical	Pass
2	5150.000	54.80	0.84	74.0	19.20	Peak	8.00	100	Vertical	Pass
2**	5150.000	45.46	0.84	54.0	8.54	AV	8.00	100	Vertical	Pass
3	4971.250	55.30	1.99	74.0	18.70	Peak	118.00	150	Vertical	Pass
3**	4971.250	45.82	1.99	54.0	8.18	AV	118.00	150	Vertical	Pass

U-NII-2A 11ac20 High Channel



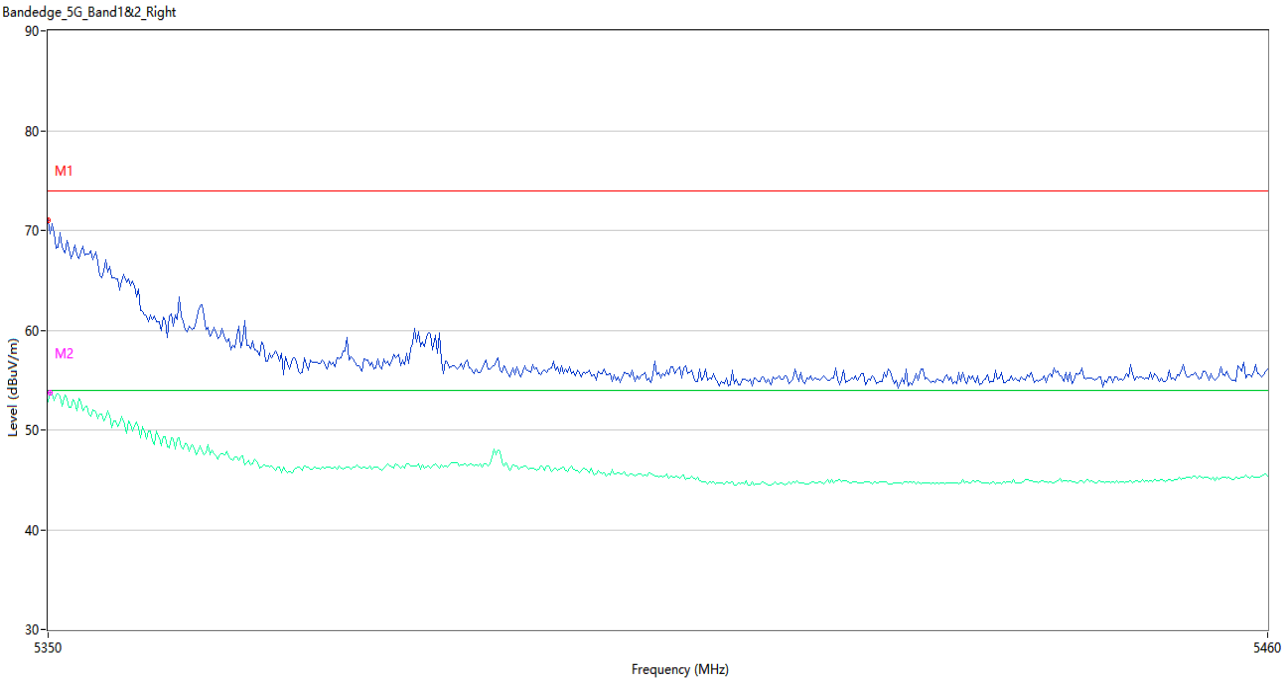
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	64.08	0.85	74.0	9.92	Peak	184.00	150	Vertical	Pass
1**	5350.000	50.86	0.85	54.0	3.14	AV	184.00	150	Vertical	Pass
2	5353.667	66.22	0.81	74.0	7.78	Peak	182.00	100	Vertical	Pass
2**	5353.667	48.78	0.81	54.0	5.22	AV	182.00	100	Vertical	Pass
3	5350.733	64.34	0.87	74.0	9.66	Peak	182.00	150	Vertical	Pass
3**	5350.733	50.95	0.87	54.0	3.05	AV	182.00	150	Vertical	Pass

U-NII-2A 11ac40 Low Channel



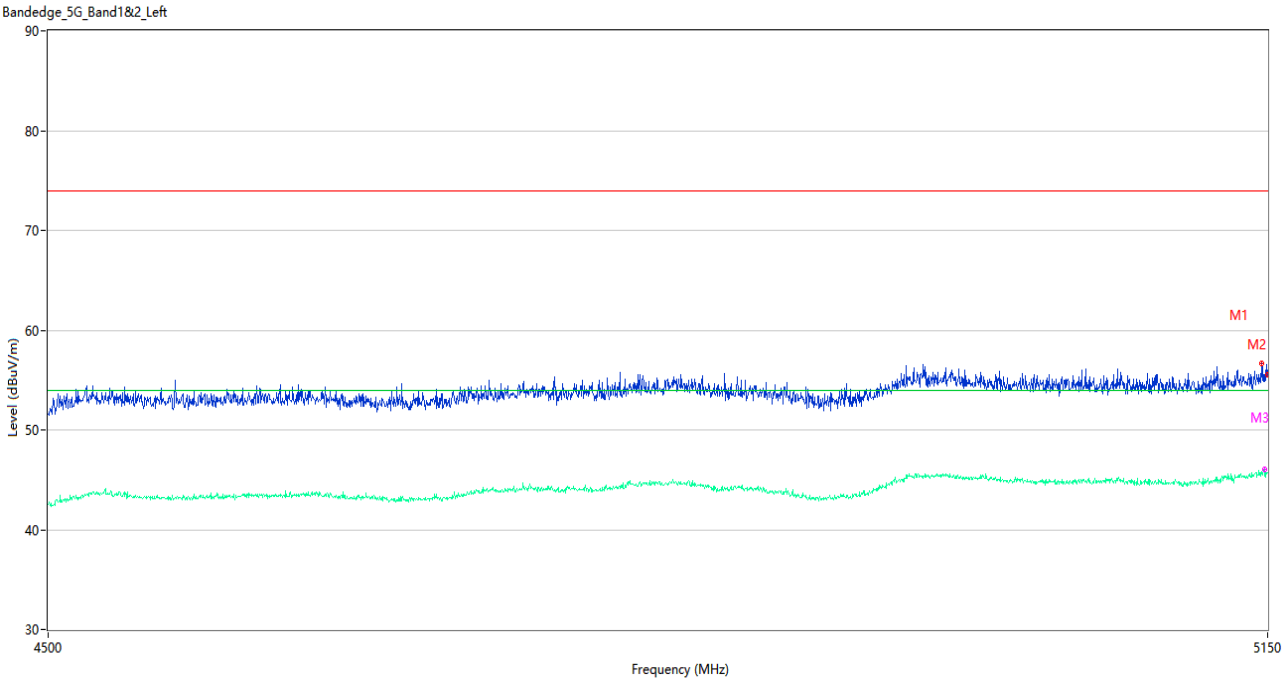
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4956.625	57.10	2.29	74.0	16.90	Peak	108.00	200	Vertical	Pass
1**	4956.625	45.49	2.29	54.0	8.51	AV	108.00	200	Vertical	Pass
2	5150.000	55.38	0.84	74.0	18.62	Peak	311.00	200	Vertical	Pass
2**	5150.000	45.31	0.84	54.0	8.69	AV	311.00	200	Vertical	Pass
3	4967.350	55.14	2.01	74.0	18.86	Peak	46.00	150	Vertical	Pass
3**	4967.350	45.82	2.01	54.0	8.18	AV	46.00	150	Vertical	Pass

U-NII-2A 11ac40 High Channel



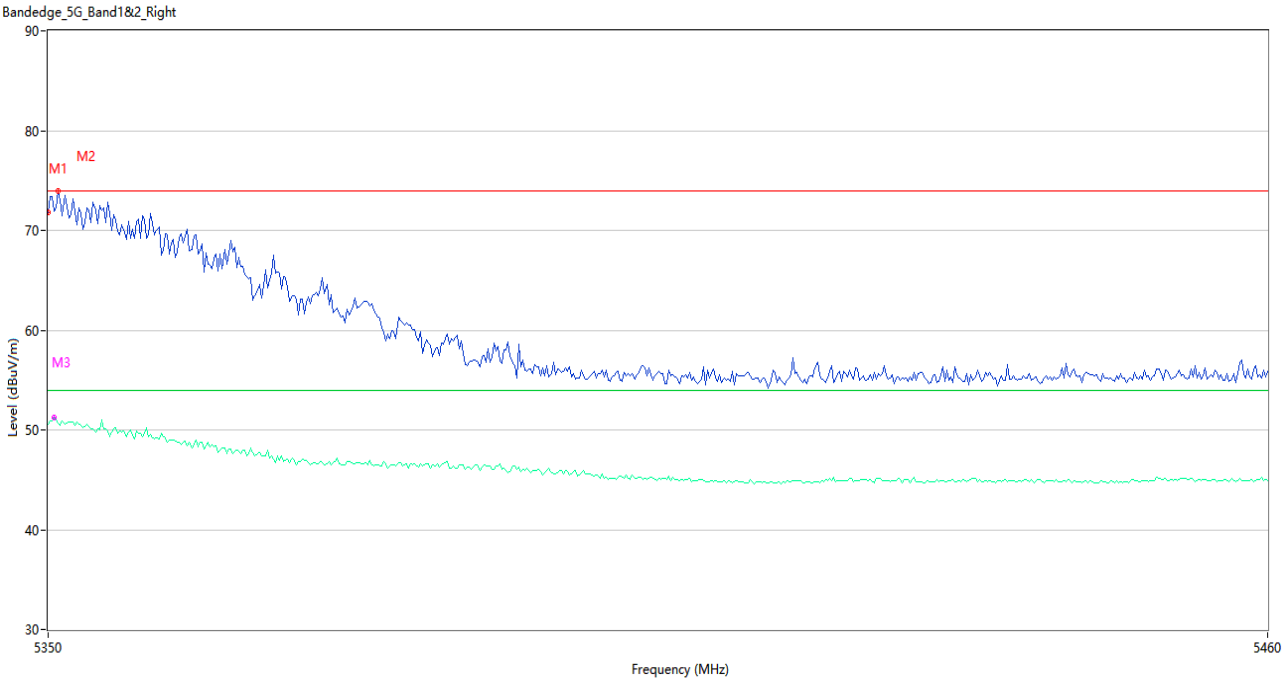
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	70.99	0.85	74.0	3.01	Peak	180.00	200	Vertical	Pass
1**	5350.000	52.84	0.85	54.0	1.16	AV	180.00	200	Vertical	Pass
2	5350.183	69.61	0.86	74.0	4.39	Peak	184.00	150	Vertical	Pass
2**	5350.183	53.77	0.86	54.0	0.23	AV	184.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



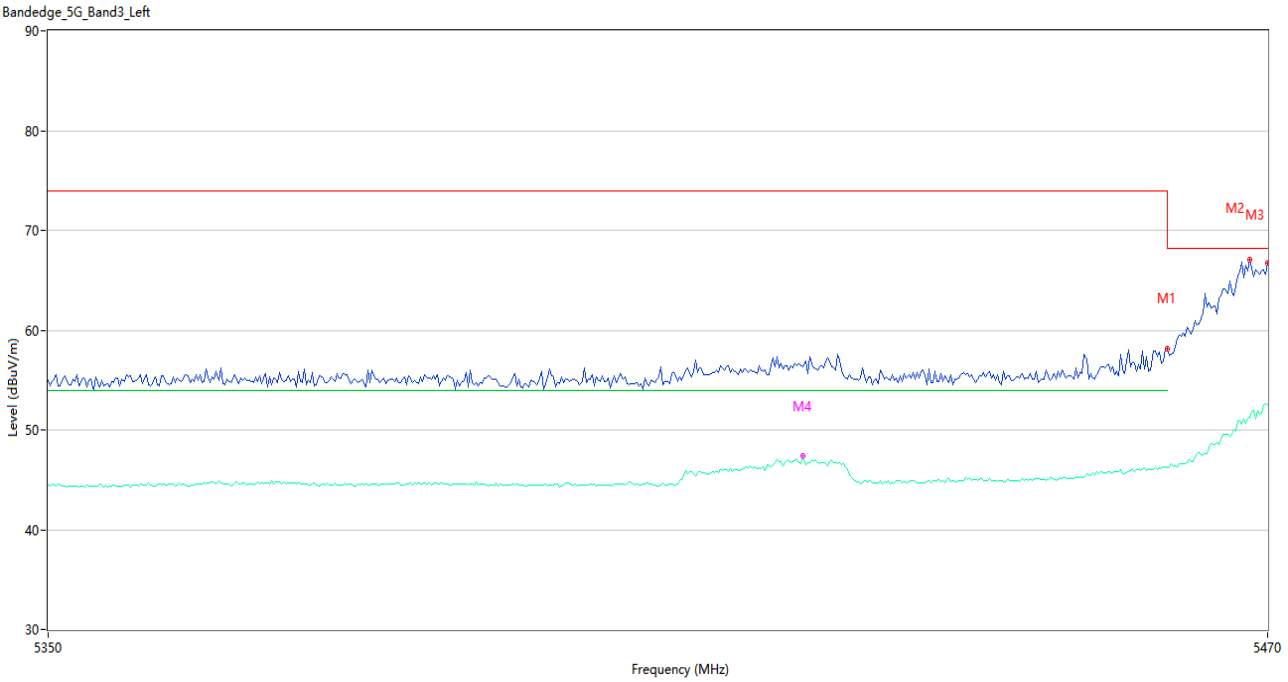
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.425	56.71	0.93	74.0	17.29	Peak	330.00	200	Vertical	Pass
1**	5146.425	45.87	0.93	54.0	8.13	AV	330.00	200	Vertical	Pass
2	5150.000	55.53	0.84	74.0	18.47	Peak	271.00	150	Vertical	Pass
2**	5150.000	45.76	0.84	54.0	8.24	AV	271.00	150	Vertical	Pass
3	5148.050	55.54	0.87	74.0	18.46	Peak	181.00	150	Vertical	Pass
3**	5148.050	46.04	0.87	54.0	7.96	AV	181.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



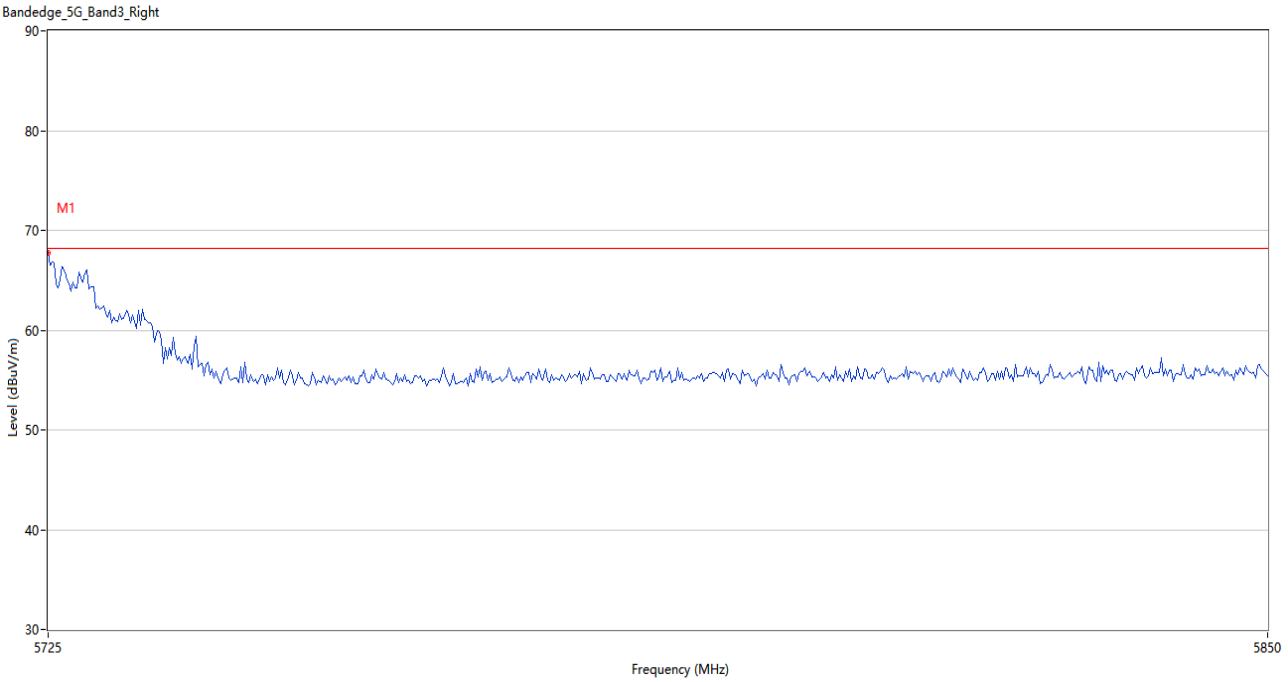
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	71.86	0.85	74.0	2.14	Peak	189.00	150	Vertical	Pass
1**	5350.000	50.60	0.85	54.0	3.40	AV	189.00	150	Vertical	Pass
2	5350.917	73.94	0.87	74.0	0.06	Peak	183.00	150	Vertical	Pass
2**	5350.917	50.73	0.87	54.0	3.27	AV	183.00	150	Vertical	Pass
3	5350.550	71.88	0.87	74.0	2.12	Peak	189.00	150	Vertical	Pass
3**	5350.550	51.20	0.87	54.0	2.80	AV	189.00	150	Vertical	Pass

U-NII-2C 11a Low Channel



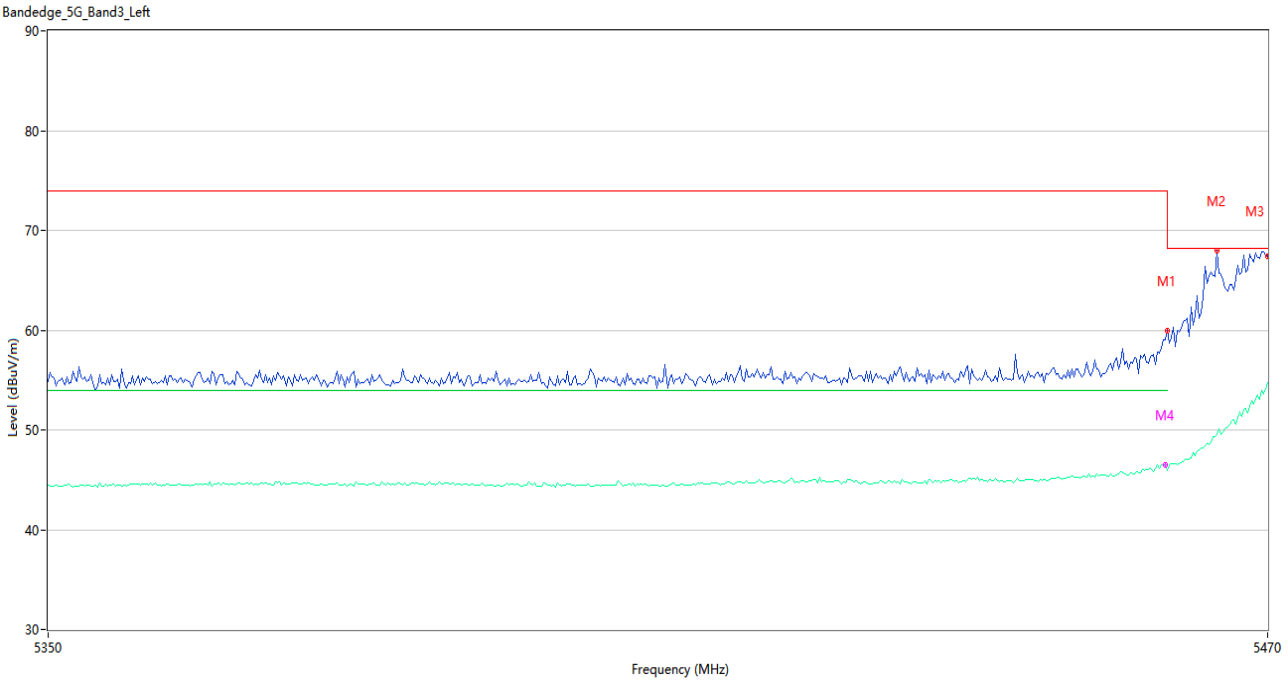
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.18	1.23	74.0	15.82	Peak	129.00	100	Vertical	Pass
1**	5460.000	46.26	1.23	54.0	7.74	AV	129.00	100	Vertical	Pass
2	5468.200	67.03	1.34	68.2	1.17	Peak	180.00	100	Vertical	Pass
2**	5468.200	51.30	1.34	--	--	AV	180.00	100	Vertical	N/A
3	5470.000	66.73	1.37	68.2	1.47	Peak	180.00	150	Vertical	Pass
3**	5470.000	52.44	1.37	--	--	AV	180.00	150	Vertical	N/A
4	5424.000	56.31	1.18	74.0	17.69	Peak	251.00	150	Vertical	Pass
4**	5424.000	47.36	1.18	54.0	6.64	AV	251.00	150	Vertical	Pass

U-NII-2C 11a High Channel



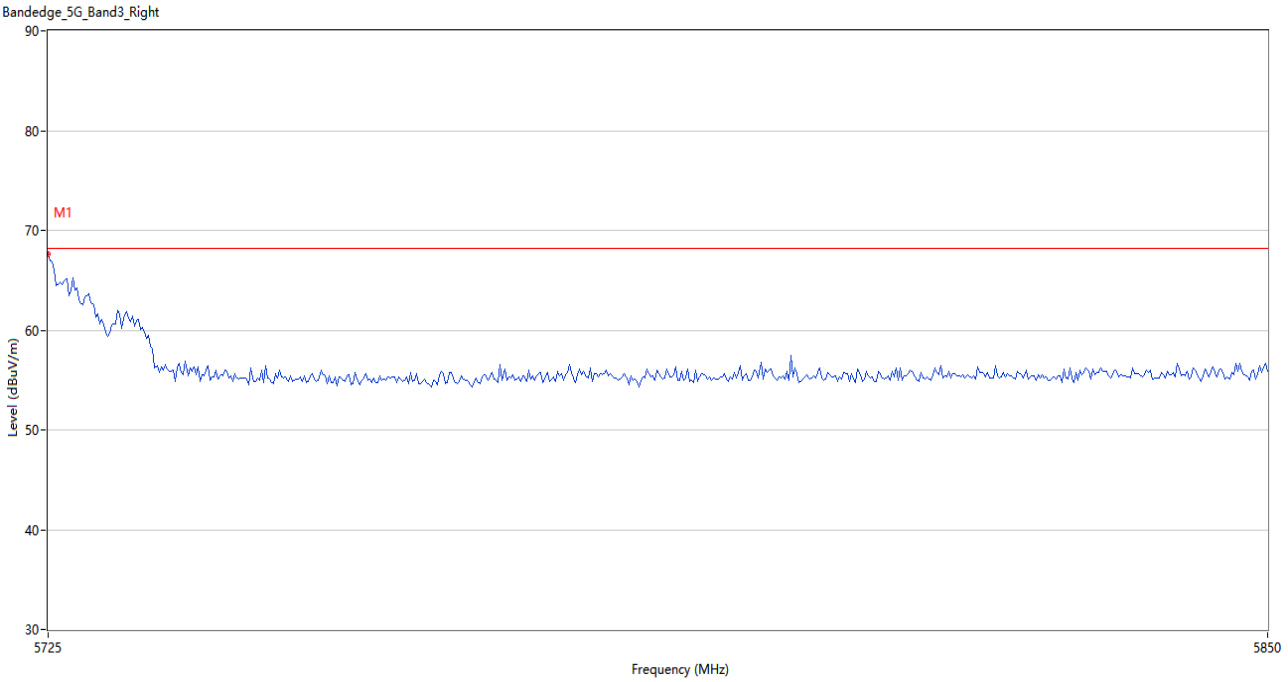
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	67.72	0.63	68.2	0.48	Peak	315.00	150	Vertical	Pass

U-NII-2C 11n20 Low Channel



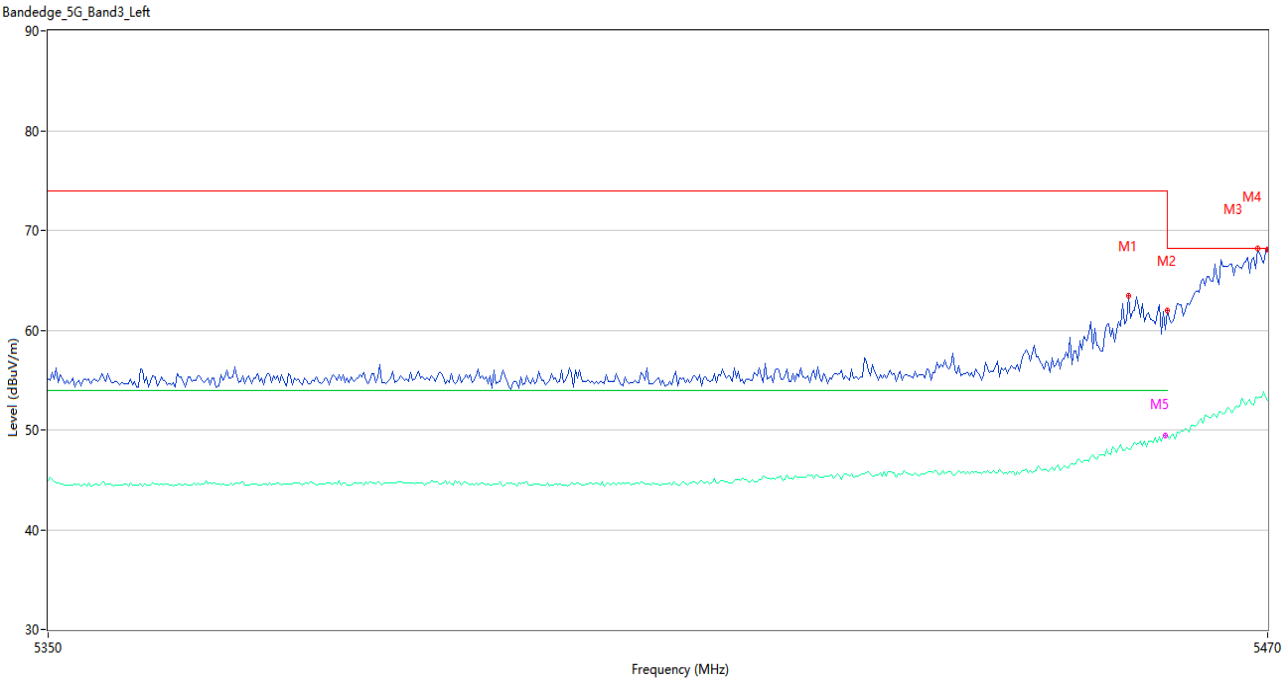
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	59.90	1.23	74.0	14.10	Peak	261.00	150	Vertical	Pass
1**	5460.000	45.95	1.23	54.0	8.05	AV	261.00	150	Vertical	Pass
2	5465.000	67.92	1.29	68.2	0.28	Peak	263.00	200	Vertical	Pass
2**	5465.000	49.59	1.29	--	--	AV	263.00	200	Vertical	N/A
3	5470.000	67.41	1.37	68.2	0.79	Peak	258.00	200	Vertical	Pass
3**	5470.000	54.74	1.37	--	--	AV	258.00	200	Vertical	N/A
4	5459.800	59.03	1.23	74.0	14.97	Peak	280.00	150	Vertical	Pass
4**	5459.800	46.53	1.23	54.0	7.47	AV	280.00	150	Vertical	Pass

U-NII-2C 11n20 High Channel



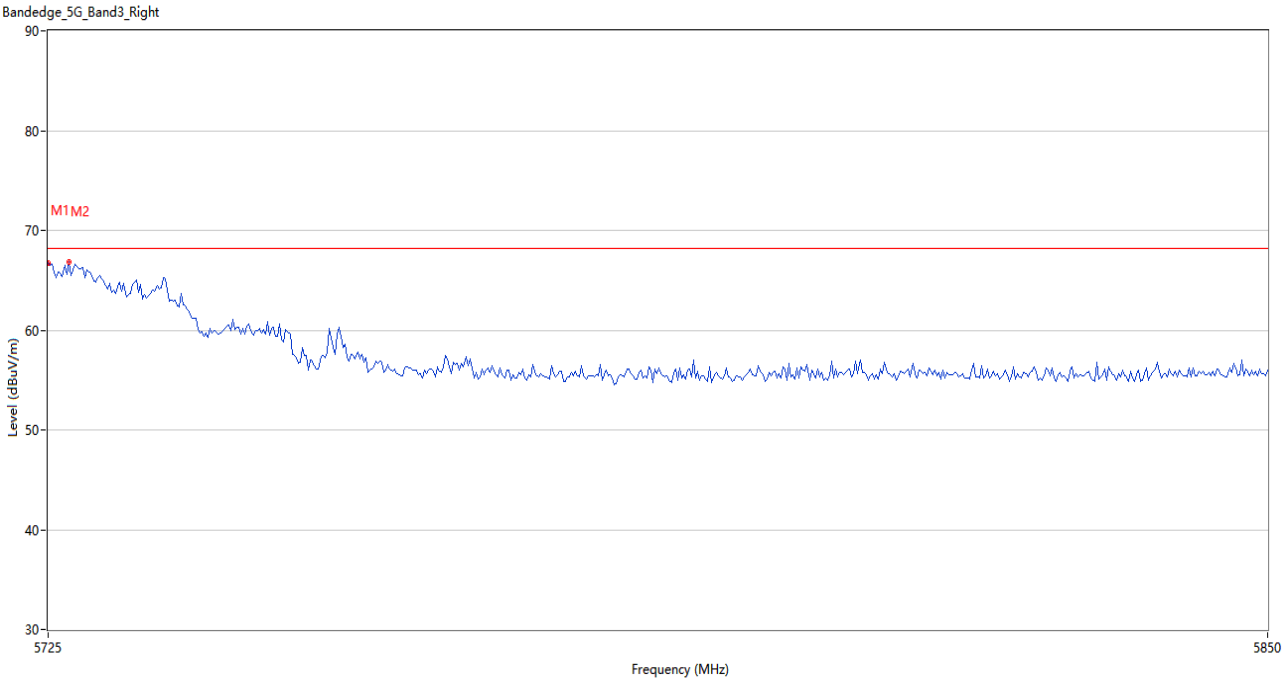
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	67.58	0.63	68.2	0.62	Peak	233.00	100	Vertical	Pass

U-NII-2C 11n40 Low Channel



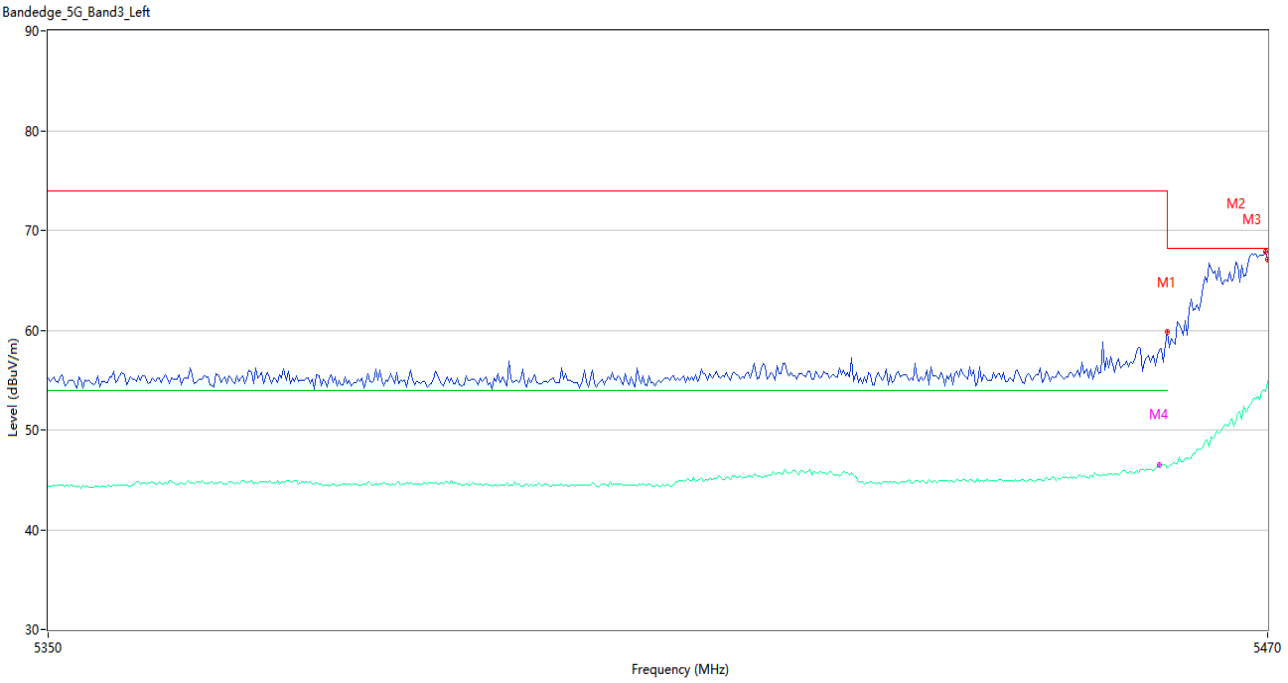
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.200	63.39	1.17	74.0	10.61	Peak	262.00	100	Vertical	Pass
1**	5456.200	48.11	1.17	54.0	5.89	AV	262.00	100	Vertical	Pass
2	5460.000	61.96	1.23	74.0	12.04	Peak	266.00	200	Vertical	Pass
2**	5460.000	49.41	1.23	54.0	4.59	AV	266.00	200	Vertical	Pass
3	5469.000	68.15	1.36	68.2	0.05	Peak	180.00	200	Vertical	Pass
3**	5469.000	53.13	1.36	--	--	AV	180.00	200	Vertical	N/A
4	5470.000	68.03	1.37	68.2	0.17	Peak	266.00	100	Vertical	Pass
4**	5470.000	52.93	1.37	--	--	AV	266.00	100	Vertical	N/A
5	5459.800	60.08	1.23	74.0	13.92	Peak	260.00	150	Vertical	Pass
5**	5459.800	49.49	1.23	54.0	4.51	AV	260.00	150	Vertical	Pass

U-NII-2C 11n40 High Channel



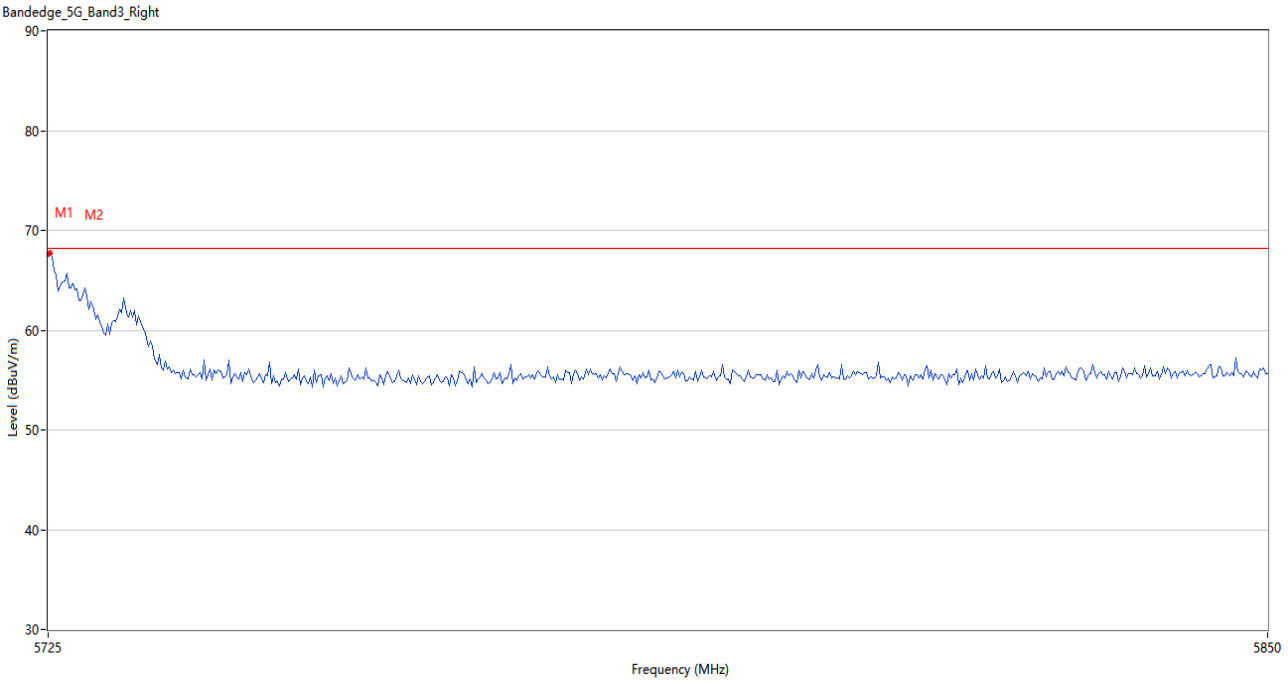
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	66.71	0.63	68.2	1.49	Peak	297.00	100	Vertical	Pass
2	5727.084	66.78	0.65	68.2	1.42	Peak	262.00	200	Vertical	Pass

U-NII-2C 11ac20 Low Channel



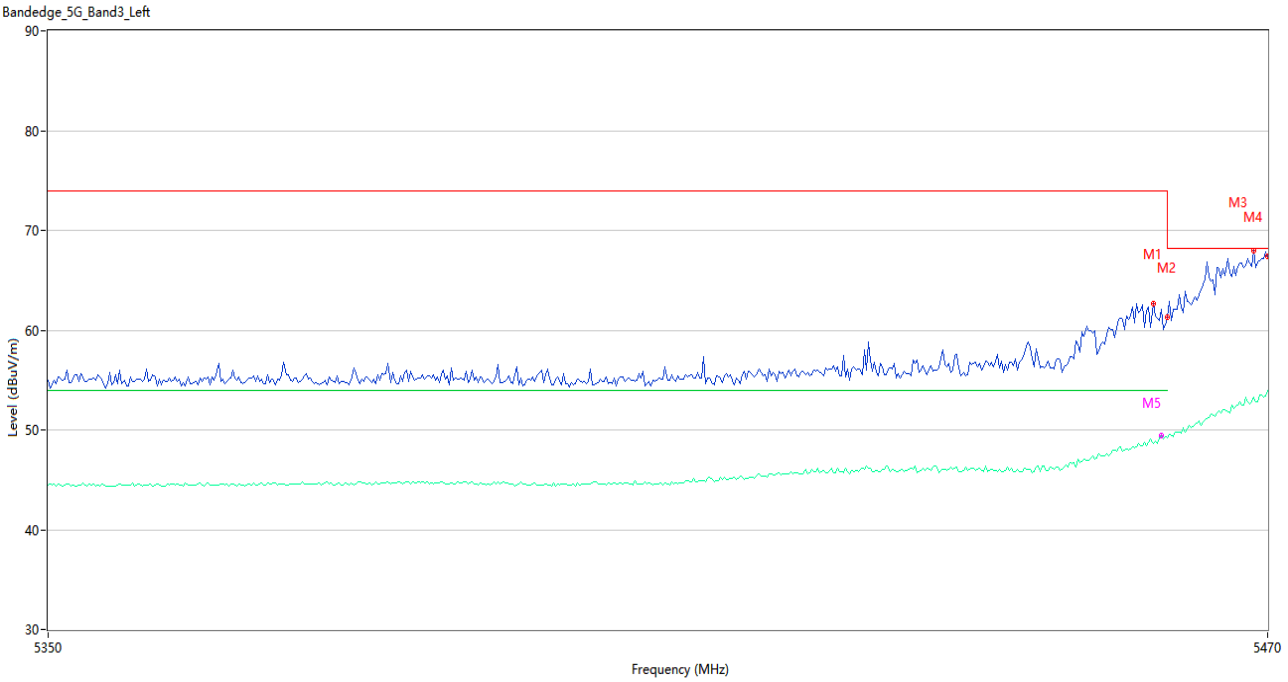
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	59.86	1.23	74.0	14.14	Peak	263.00	150	Vertical	Pass
1**	5460.000	46.21	1.23	54.0	7.79	AV	263.00	150	Vertical	Pass
2	5469.800	67.91	1.38	68.2	0.29	Peak	180.00	150	Vertical	Pass
2**	5469.800	53.87	1.38	--	--	AV	180.00	150	Vertical	N/A
3	5470.000	67.02	1.37	68.2	1.18	Peak	180.00	200	Vertical	Pass
3**	5470.000	54.83	1.37	--	--	AV	180.00	200	Vertical	N/A
4	5459.200	57.99	1.24	74.0	16.01	Peak	263.00	150	Vertical	Pass
4**	5459.200	46.51	1.24	54.0	7.49	AV	263.00	150	Vertical	Pass

U-NII-2C 11ac20 High Channel



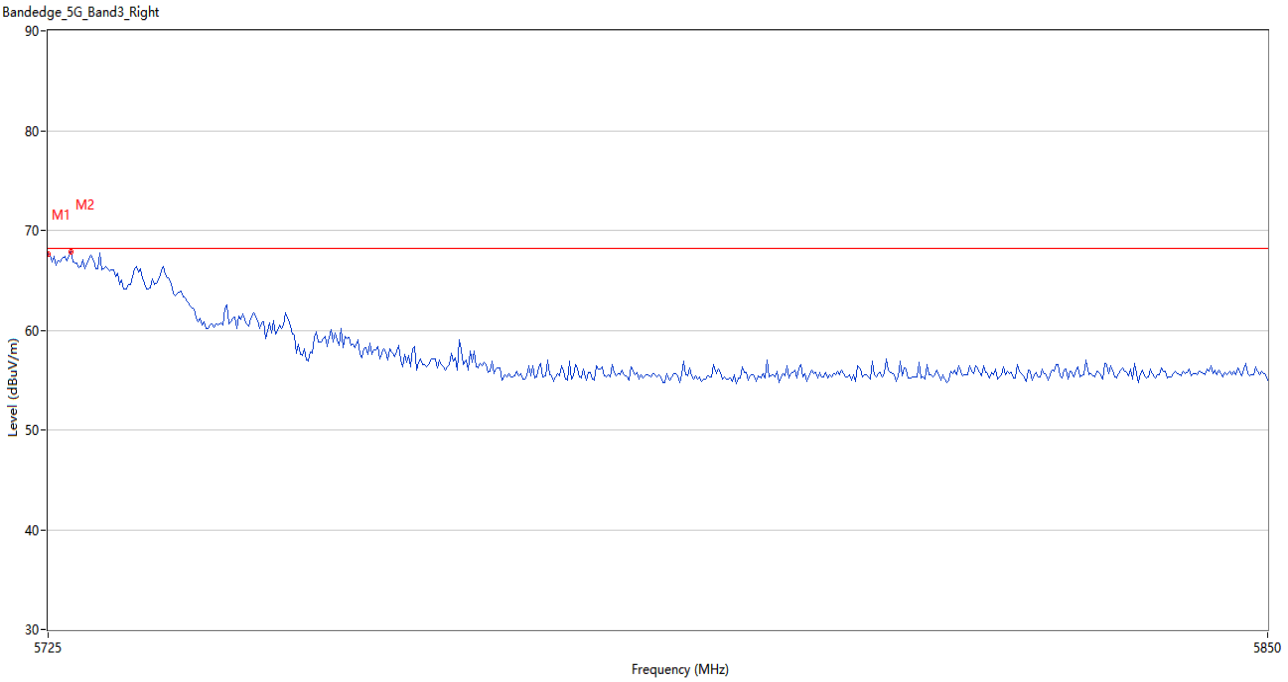
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	67.62	0.63	68.2	0.58	Peak	267.00	200	Vertical	Pass
2	5725.209	67.68	0.64	68.2	0.52	Peak	241.00	200	Vertical	Pass

U-NII-2C 11ac40 Low Channel



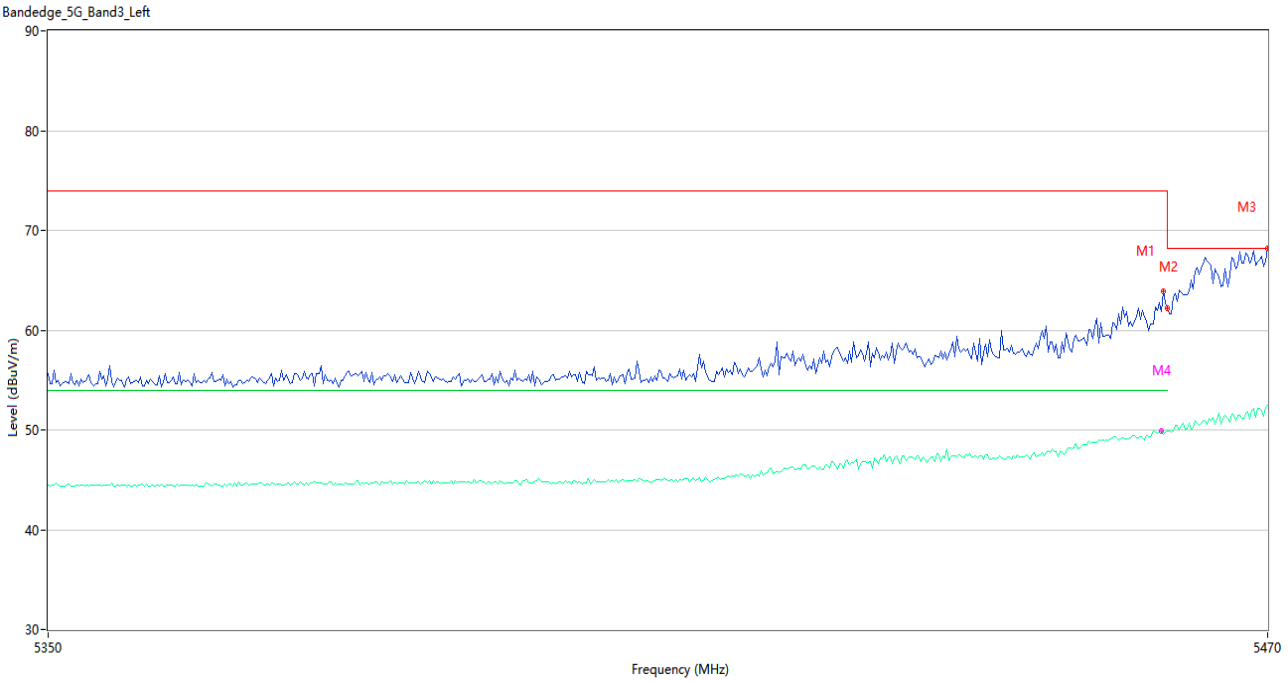
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.600	62.67	1.22	74.0	11.33	Peak	265.00	200	Vertical	Pass
1**	5458.600	48.63	1.22	54.0	5.37	AV	265.00	200	Vertical	Pass
2	5460.000	61.26	1.23	74.0	12.74	Peak	259.00	100	Vertical	Pass
2**	5460.000	49.21	1.23	54.0	4.79	AV	259.00	100	Vertical	Pass
3	5468.600	67.97	1.35	68.2	0.23	Peak	179.00	200	Vertical	Pass
3**	5468.600	53.31	1.35	--	--	AV	179.00	200	Vertical	N/A
4	5470.000	67.35	1.37	68.2	0.85	Peak	179.00	100	Vertical	Pass
4**	5470.000	54.00	1.37	--	--	AV	179.00	100	Vertical	N/A
5	5459.400	62.04	1.24	74.0	11.96	Peak	265.00	150	Vertical	Pass
5**	5459.400	49.43	1.24	54.0	4.57	AV	265.00	150	Vertical	Pass

U-NII-2C 11ac40 High Channel



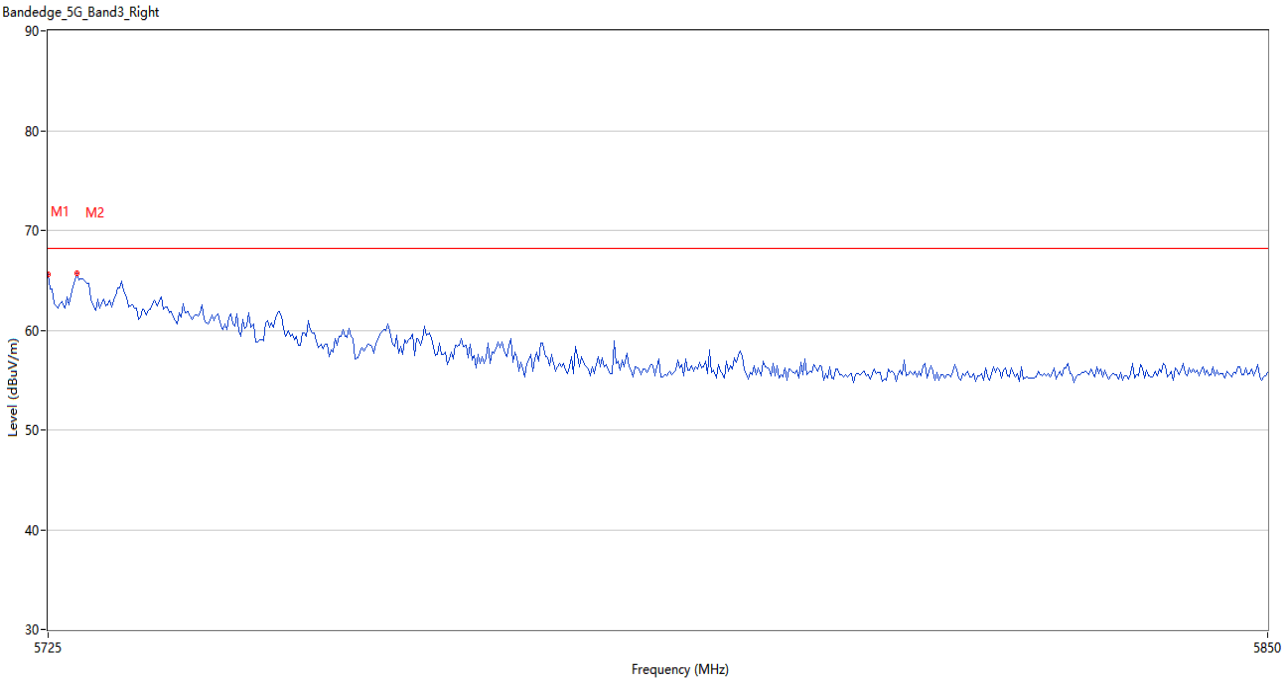
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	67.58	0.63	68.2	0.62	Peak	302.00	200	Vertical	Pass
2	5727.291	67.90	0.64	68.2	0.30	Peak	302.00	100	Vertical	Pass

U-NII-2C 11ac80 Low Channel



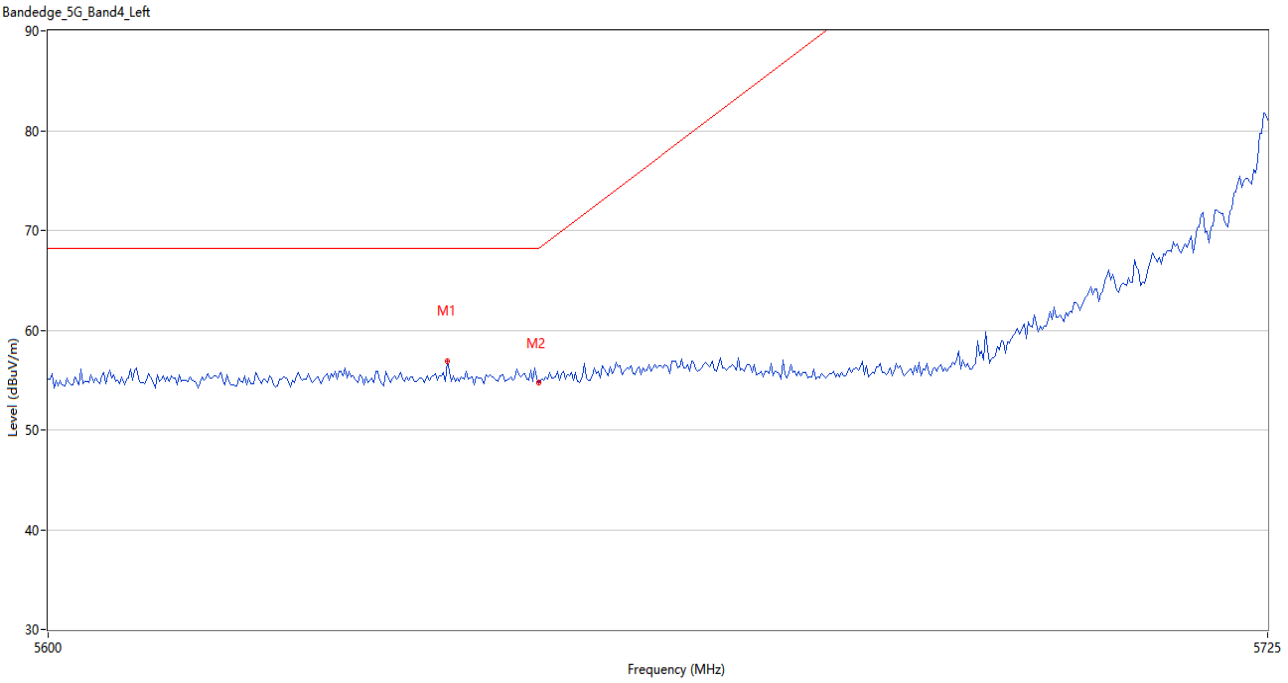
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.600	63.93	1.23	74.0	10.07	Peak	263.00	200	Vertical	Pass
1**	5459.600	49.55	1.23	54.0	4.45	AV	263.00	200	Vertical	Pass
2	5460.000	62.17	1.23	74.0	11.83	Peak	185.00	200	Vertical	Pass
2**	5460.000	49.87	1.23	54.0	4.13	AV	185.00	200	Vertical	Pass
3	5470.000	68.18	1.37	68.2	0.02	Peak	180.00	100	Vertical	Pass
3**	5470.000	52.53	1.37	--	--	AV	180.00	100	Vertical	N/A
4	5459.400	61.89	1.24	74.0	12.11	Peak	265.00	150	Vertical	Pass
4**	5459.400	49.93	1.24	54.0	4.07	AV	265.00	150	Vertical	Pass

U-NII-2C 11ac80 High Channel



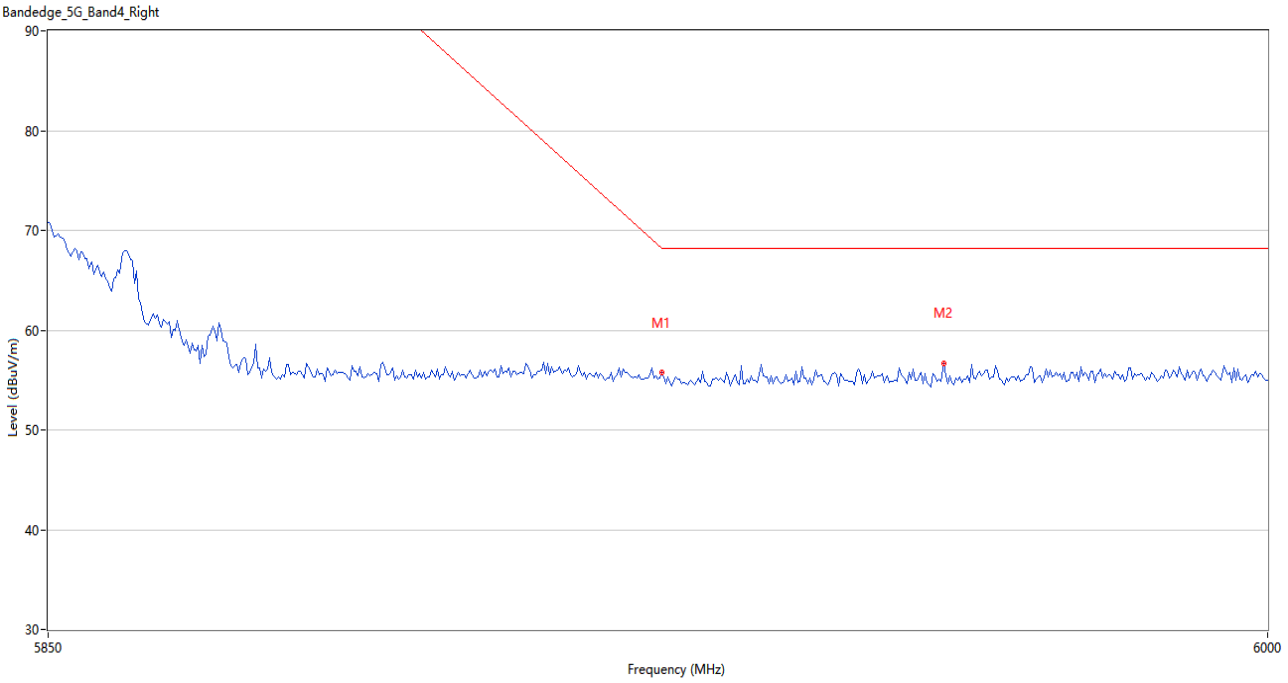
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.64	0.63	68.2	2.56	Peak	264.00	200	Vertical	Pass
2	5727.917	65.68	0.62	68.2	2.52	Peak	264.00	200	Vertical	Pass

U-NII-3 11a Low Channel



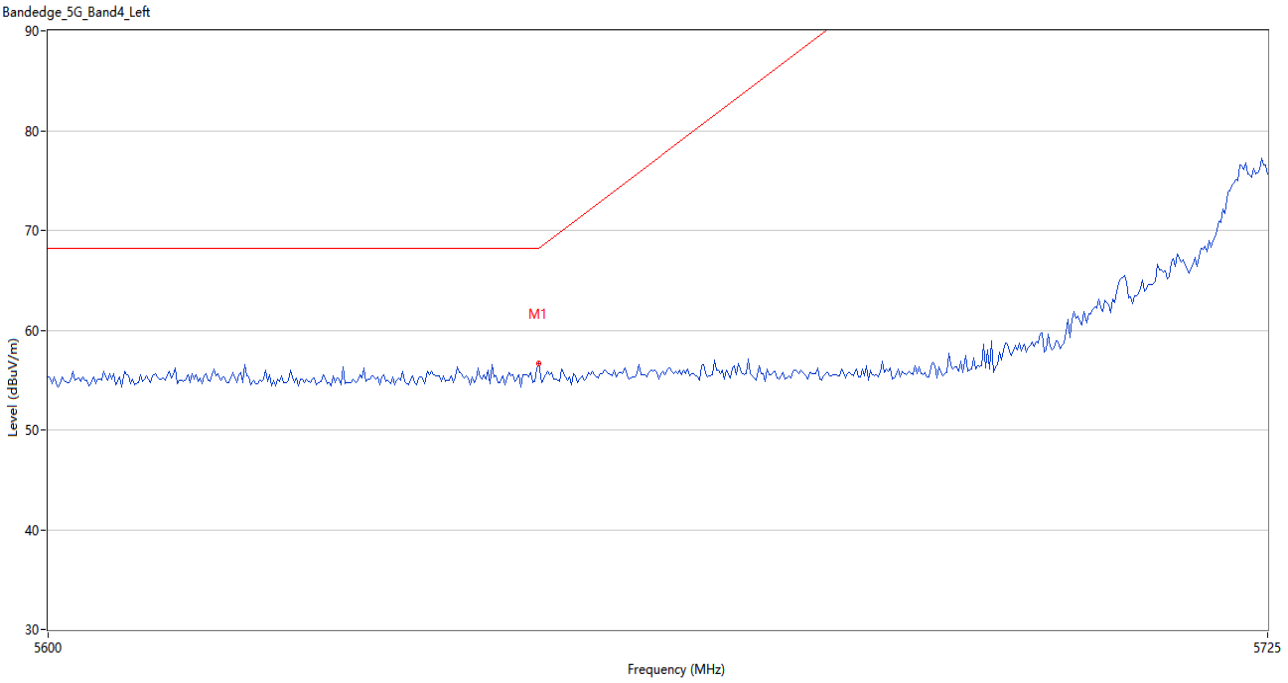
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5640.625	56.93	0.93	68.2	11.27	Peak	360.00	150	Vertical	Pass
2	5650.000	54.76	0.79	68.2	13.44	Peak	103.00	150	Vertical	Pass

U-NII-3 11a High Channel



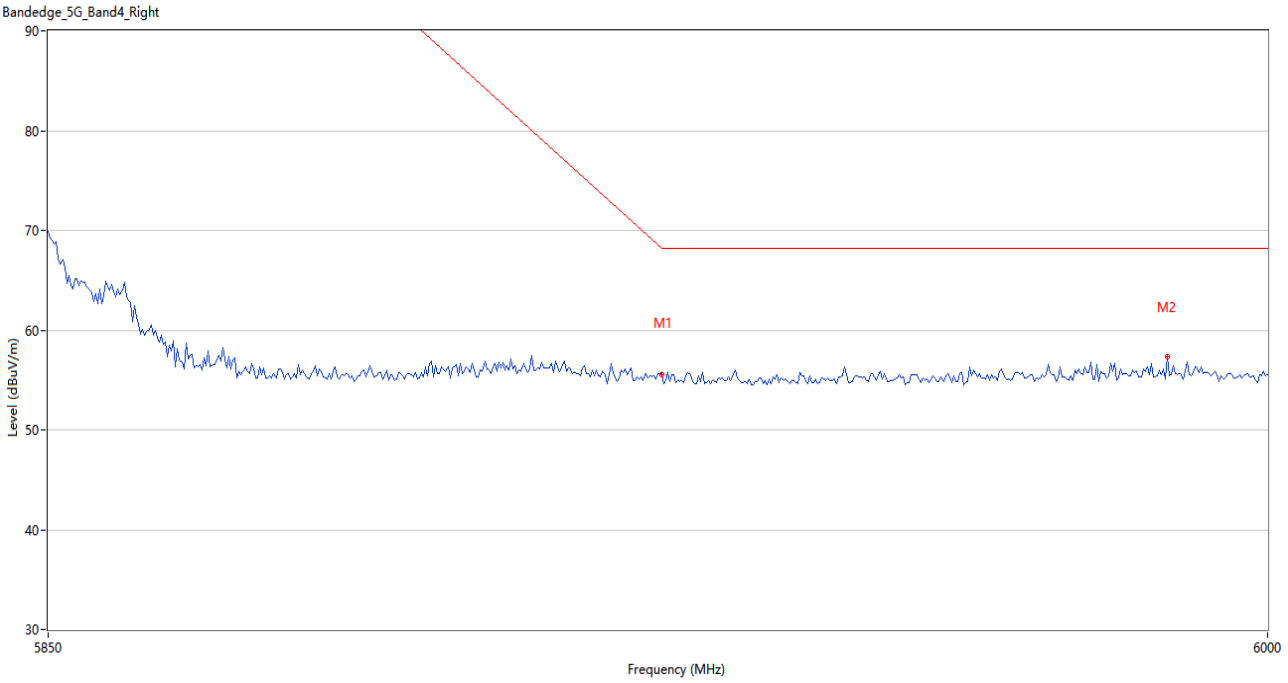
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.71	1.08	68.2	12.49	Peak	0.00	200	Vertical	Pass
2	5959.750	56.70	0.97	68.2	11.50	Peak	255.00	100	Vertical	Pass

U-NII-3 11n20 Low Channel



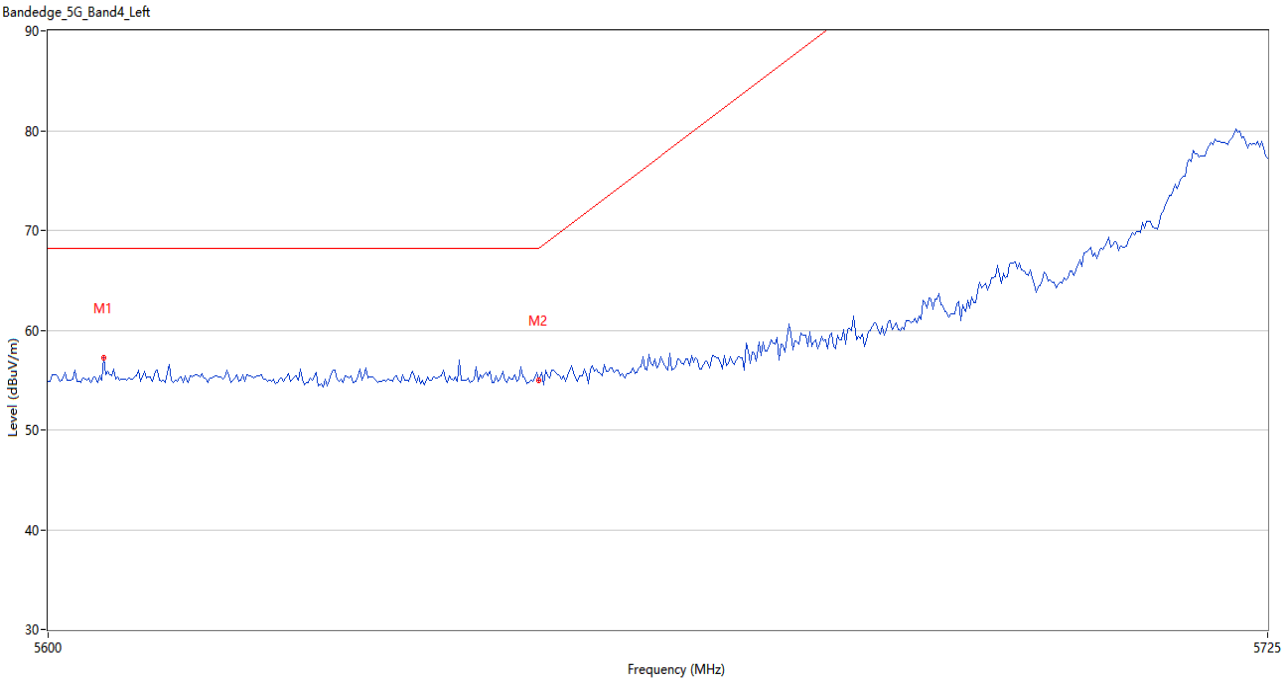
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	56.63	0.79	68.2	11.57	Peak	226.00	150	Vertical	Pass

U-NII-3 11n20 High Channel



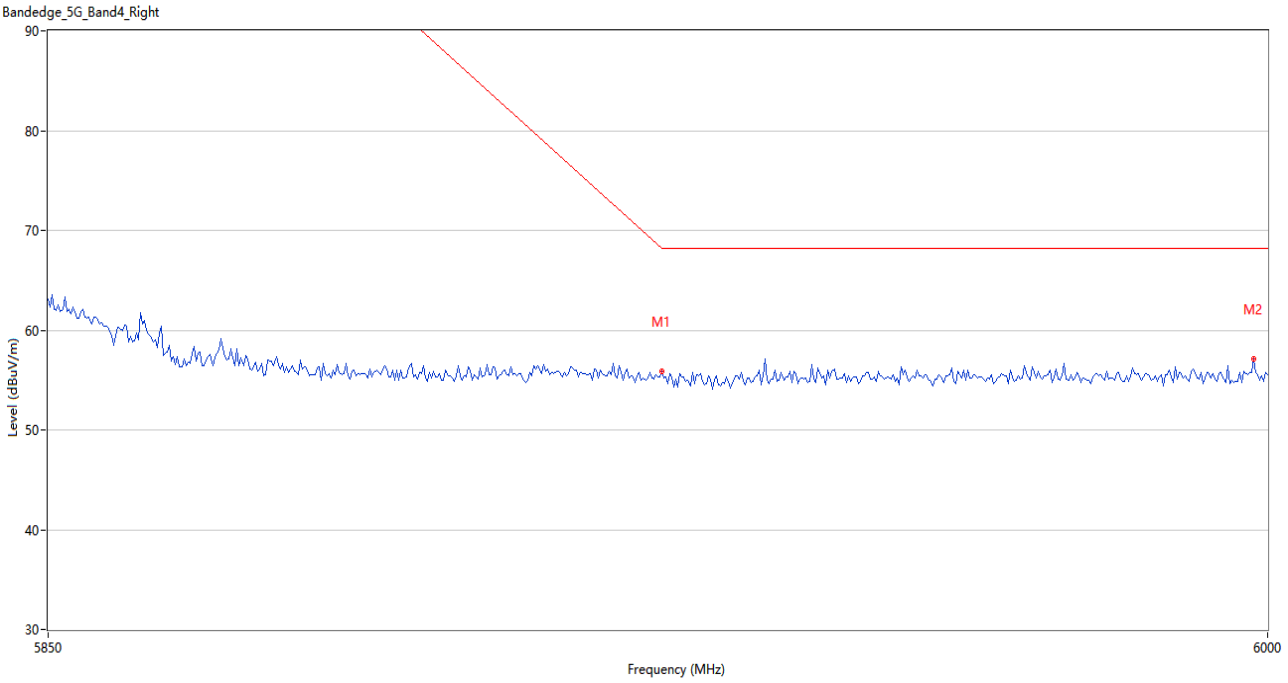
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.55	1.08	68.2	12.65	Peak	341.00	150	Vertical	Pass
2	5987.500	57.33	0.92	68.2	10.87	Peak	181.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel



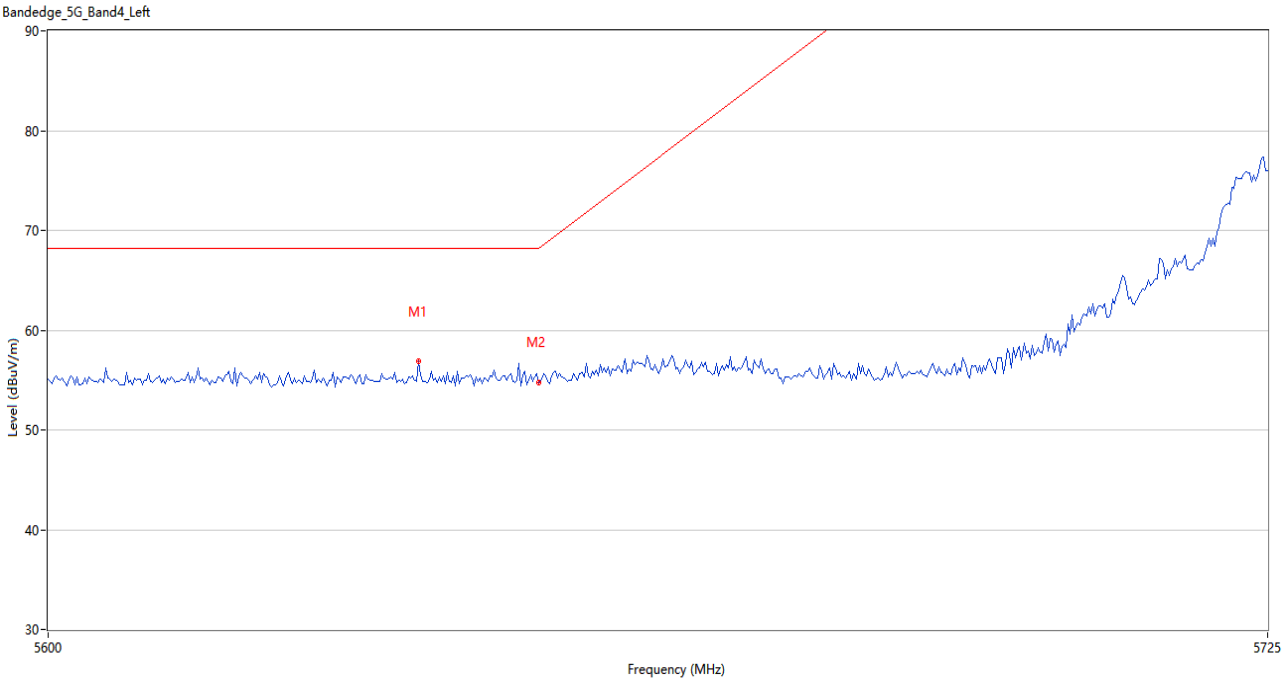
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5605.625	57.20	0.68	68.2	11.00	Peak	232.00	100	Vertical	Pass
2	5650.000	55.01	0.79	68.2	13.19	Peak	312.00	200	Vertical	Pass

U-NII-3 11n40 High Channel



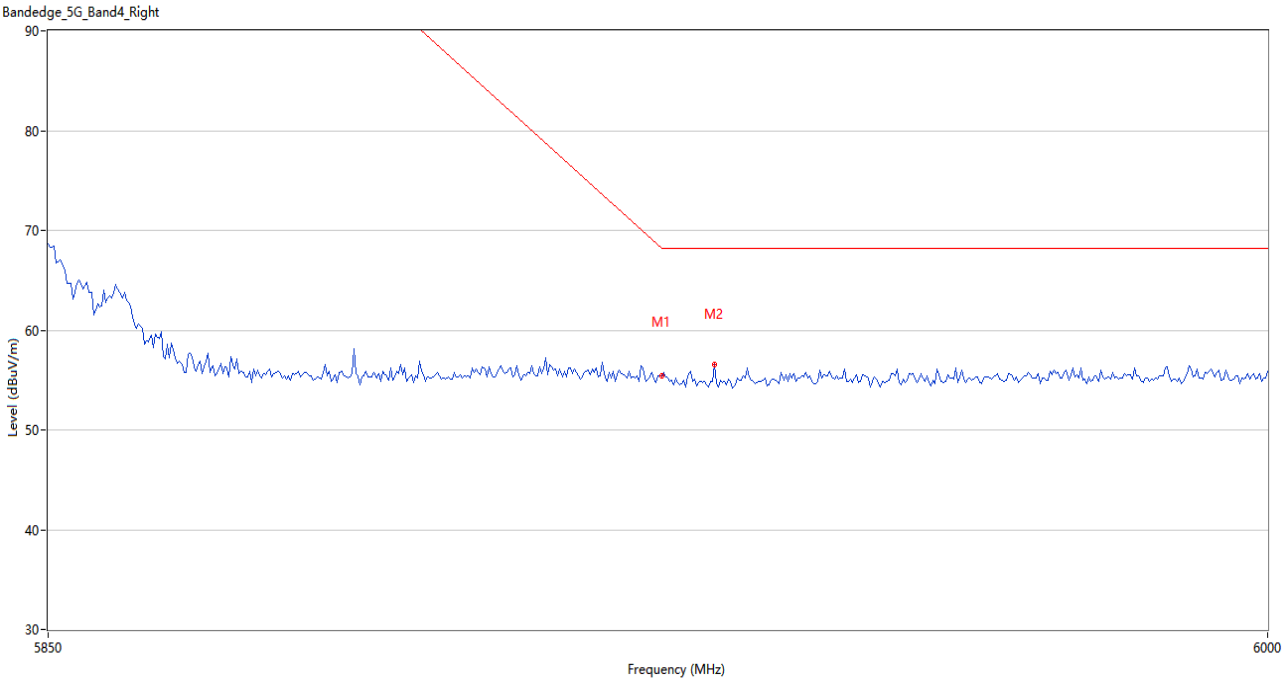
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.89	1.08	68.2	12.31	Peak	225.00	200	Vertical	Pass
2	5998.250	57.09	0.95	68.2	11.11	Peak	7.00	150	Vertical	Pass

U-NII-3 11ac20 Low Channel



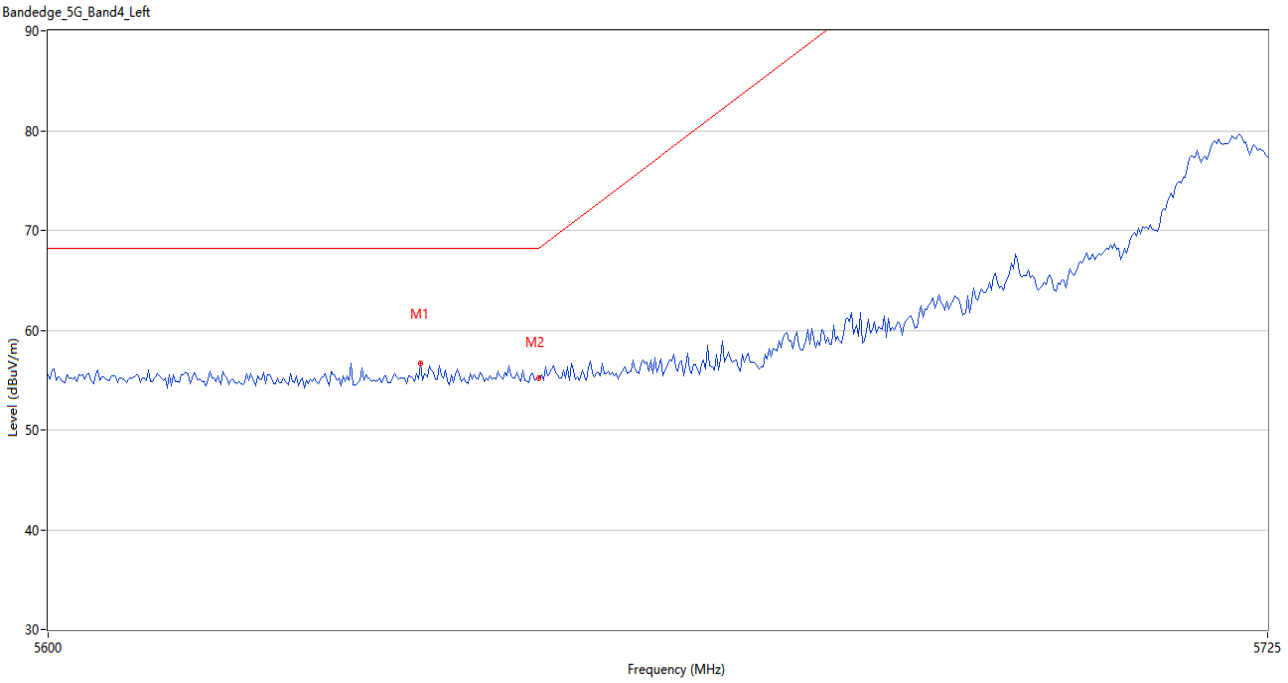
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.708	56.92	0.98	68.2	11.28	Peak	223.00	150	Vertical	Pass
2	5650.000	54.80	0.79	68.2	13.40	Peak	0.00	100	Vertical	Pass

U-NII-3 11ac20 High Channel



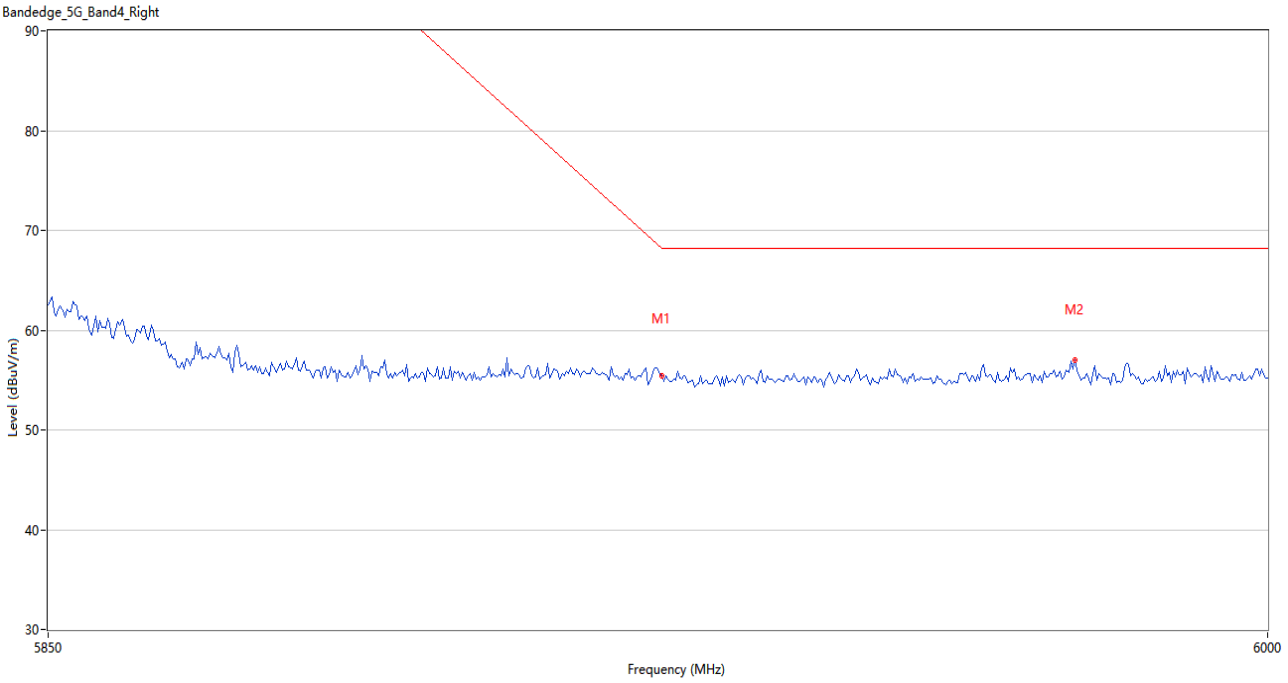
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.44	1.08	68.2	12.76	Peak	88.00	200	Vertical	Pass
2	5931.500	56.58	0.89	68.2	11.62	Peak	230.00	100	Vertical	Pass

U-NII-3 11ac40 Low Channel



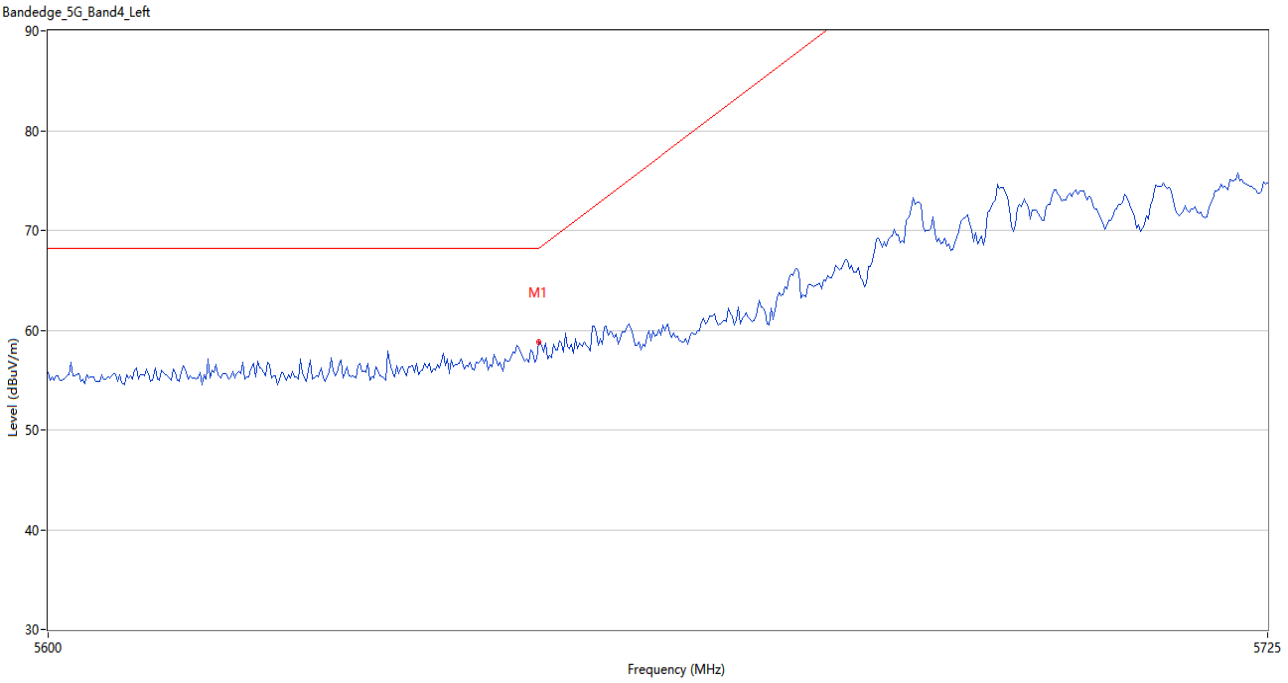
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.917	56.67	0.98	68.2	11.53	Peak	232.00	100	Vertical	Pass
2	5650.000	55.24	0.79	68.2	12.96	Peak	40.00	200	Vertical	Pass

U-NII-3 11ac40 High Channel



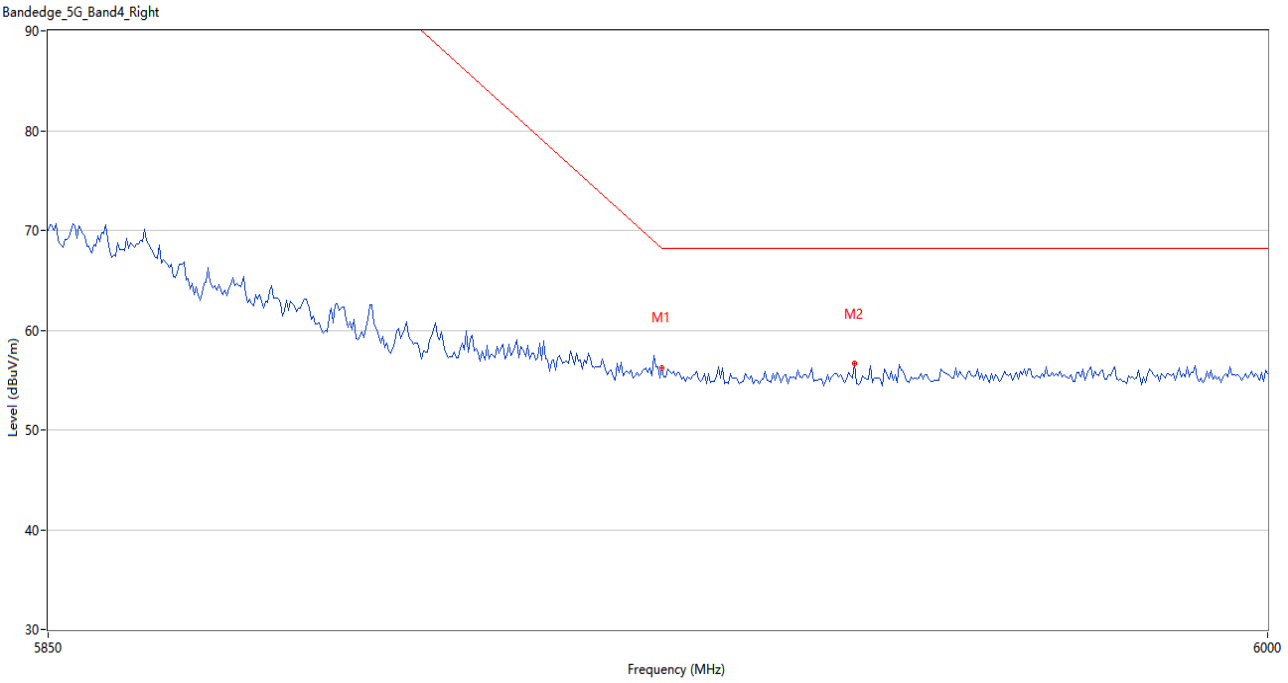
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.44	1.08	68.2	12.76	Peak	1.00	200	Vertical	Pass
2	5976.000	57.04	1.09	68.2	11.16	Peak	291.00	150	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.76	0.79	68.2	9.44	Peak	333.00	200	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.25	1.08	68.2	11.95	Peak	332.00	100	Vertical	Pass
2	5948.750	56.65	1.02	68.2	11.55	Peak	360.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ23A0989-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ23A0989-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ23A0989-AI.PDF”.

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