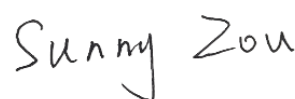


TEST REPORT

Applicant: MorningBlues Technology Limited
Address: Room 511, 5/F, Ming Sang Industrial Building, 19-21
Hing Yip Street, kwun Tong, Kowloon, Hong Kong,
China
Equipment Type: MorningBlues Record R1,
MorningBlues Record R2
Model Name: MBSSP02
Brand Name: MorningBlues
FCC ID: 2BLQA-MBSSP02
ISED Number: 33155-MBSSP02
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Aug. 14, 2024
Test Date: Aug. 20, 2024 - Sep. 03, 2024
Date of Issue: Jan. 08, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Li Ganming**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jan. 08, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. 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	MorningBlues Technology Limited
Address	Room 511, 5/F, Ming Sang Industrial Building, 19-21 Hing Yip Street, kwun Tong, Kowloon, Hong Kong, China

2.2 Manufacturer Information

Manufacturer	MorningBlues Technology Limited
Address	Room 511, 5/F, Ming Sang Industrial Building, 19-21 Hing Yip Street, kwun Tong, Kowloon, Hong Kong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	MorningBlues Record R1, MorningBlues Record R2
Description of EUT name differentiation	The hardware circuit and software are identical between the Product Name: MorningBlues Record R2 and MorningBlues Record R1. Except the Record R1 removed wooden stand of the shell.
Model Name Under Test	MBSSP02
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	24112330001
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac
-----------------------------------	--

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: 70.47 mW U-NII-2A: 65.16 mW U-NII-2C: 66.53 mW U-NII-3: 73.62 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 1	FPC Antenna
	SISO- Antenna 2	
Antenna Gain	SISO- Antenna 1	U-NII-1: 5150 MHz to 5250 MHz: 3.57 dBi U-NII-2A: 5250 MHz to 5350 MHz: 3.51 dBi
	SISO- Antenna 2	U-NII-2C: 5470 MHz to 5725 MHz: 4.24 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.25 dBi
Total directional gain	For power spectral density (PSD) measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 6.58 dBi U-NII-2A: 5250 MHz to 5350 MHz: 6.52 dBi U-NII-2C: 5470 MHz to 5725 MHz: 7.25 dBi U-NII-3: 5725 MHz to 5850 MHz: 7.26 dBi Formulas: Directional gain = $G_{ANT} + 10 \log(N_{ANT})$ dBi

		Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 3.57 dBi U-NII-2A: 5250 MHz to 5350 MHz: 3.51 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.24 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.25 dBi Formulas: Directional gain = $GANT$
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 6.58 dBi U-NII-2A: 5250 MHz to 5350 MHz: 6.52 dBi U-NII-2C: 5470 MHz to 5725 MHz: 7.25 dBi U-NII-3: 5725 MHz to 5850 MHz: 7.26 dBi Formulas: Directional gain = $GANT + 10 \log(NANT)$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 3.57 dBi U-NII-2A: 5250 MHz to 5350 MHz: 3.51 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.24 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.25 dBi Formulas: Directional gain = $GANT$
About the Product		The equipment is Record Lyric Speaker R2, intended for used with information technology equipment.

Mode	Antenna		
	SISO-Antenna 1	SISO-Antenna 2	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√

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
118	Mid	5590	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	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	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	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	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	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	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	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	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	38% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.1℃ to +25.9℃
Working Voltage of the EUT	NV (Normal Voltage)	110 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2024.05.08	2025.05.07
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
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	Agilent	N9038A	MY55330120	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04
Anechoic Chamber	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8 m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

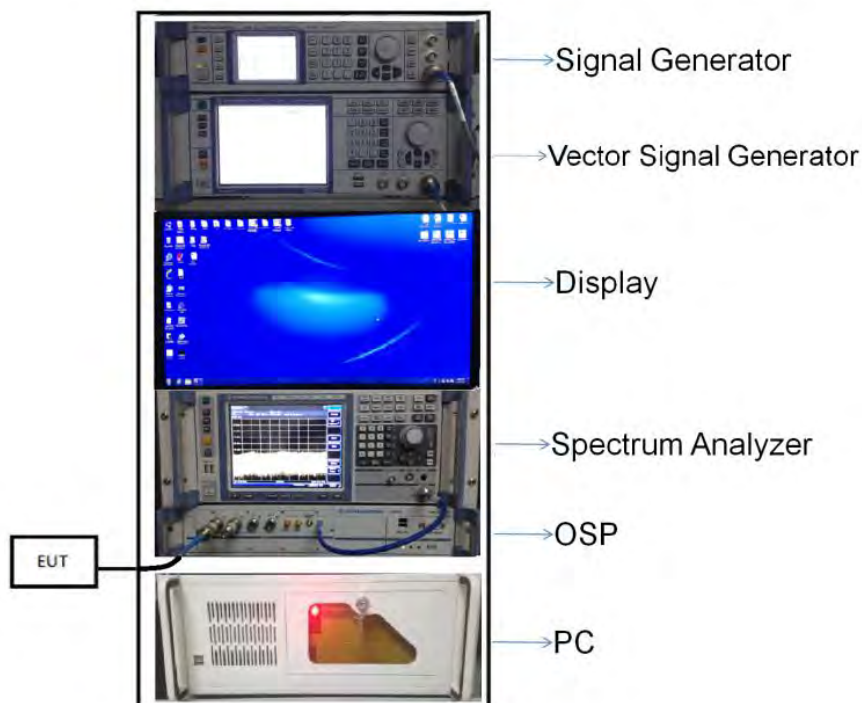
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

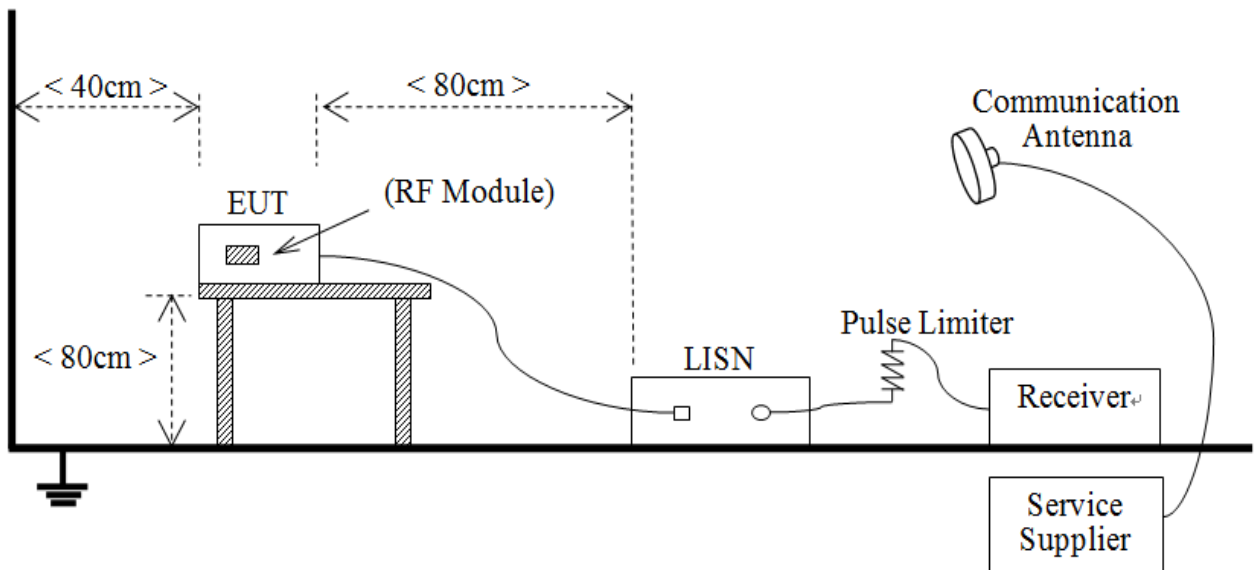
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



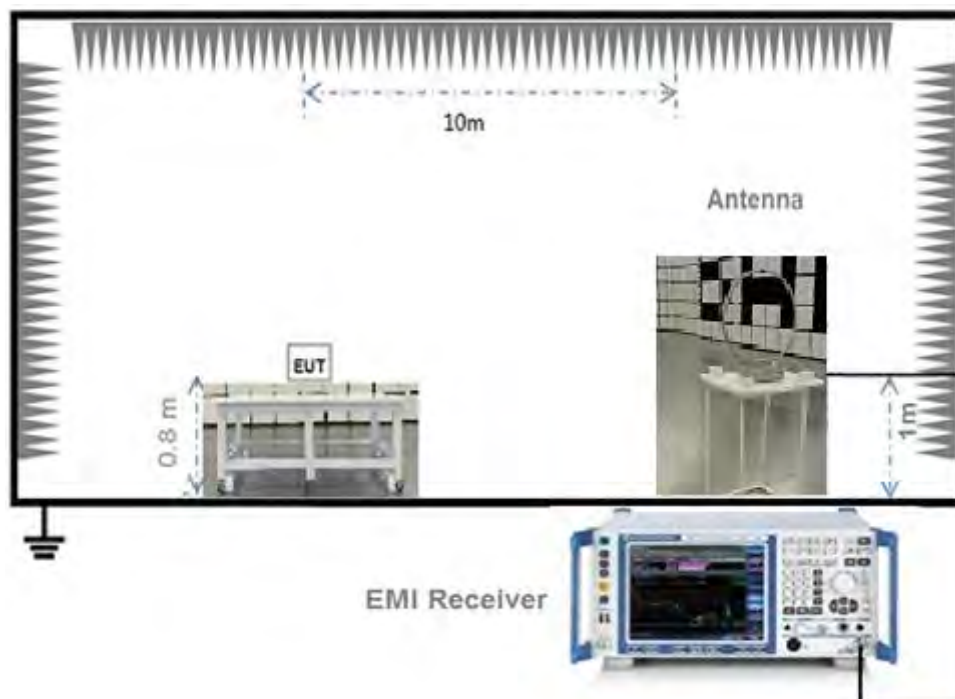
(Diagram 1)

4.5.2 For AC Power Supply Port Test



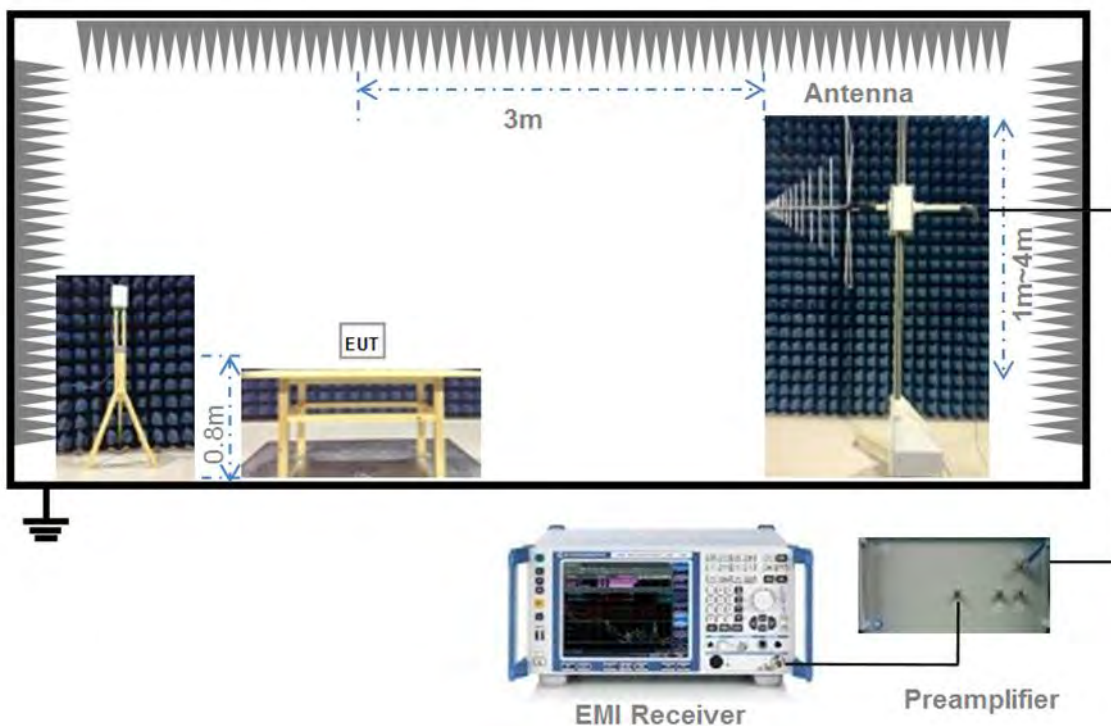
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



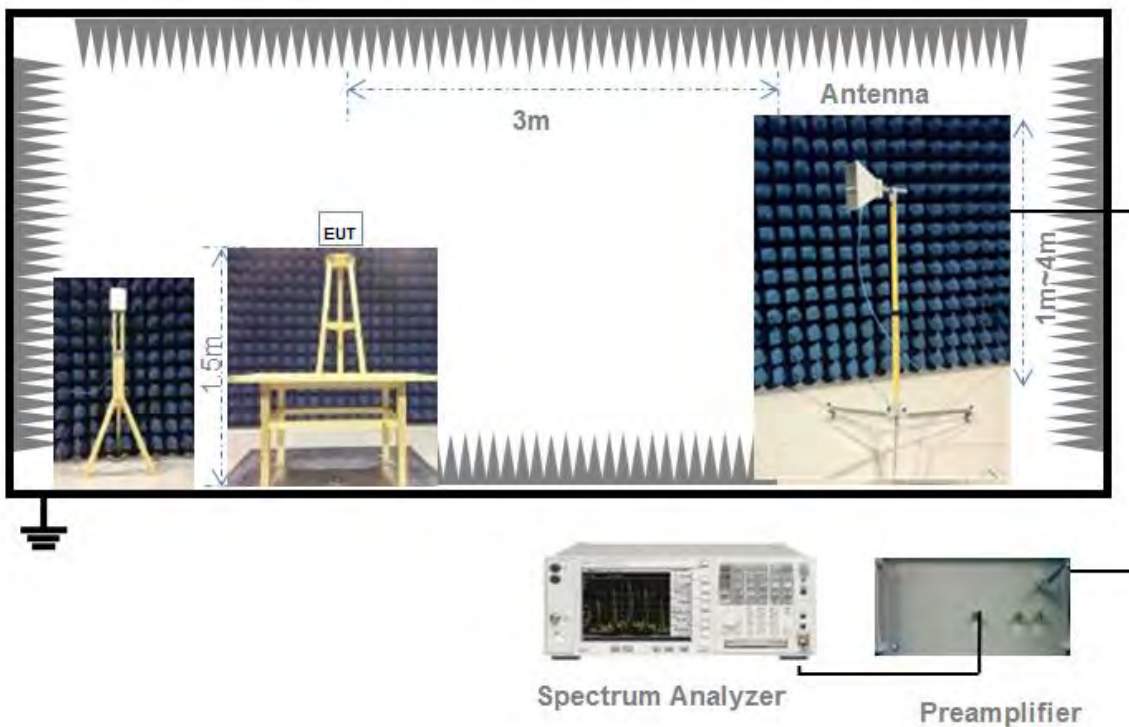
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

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 $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), 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 $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, 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 50 μ H/50 Ω line impedance stabilization network (LISN).

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

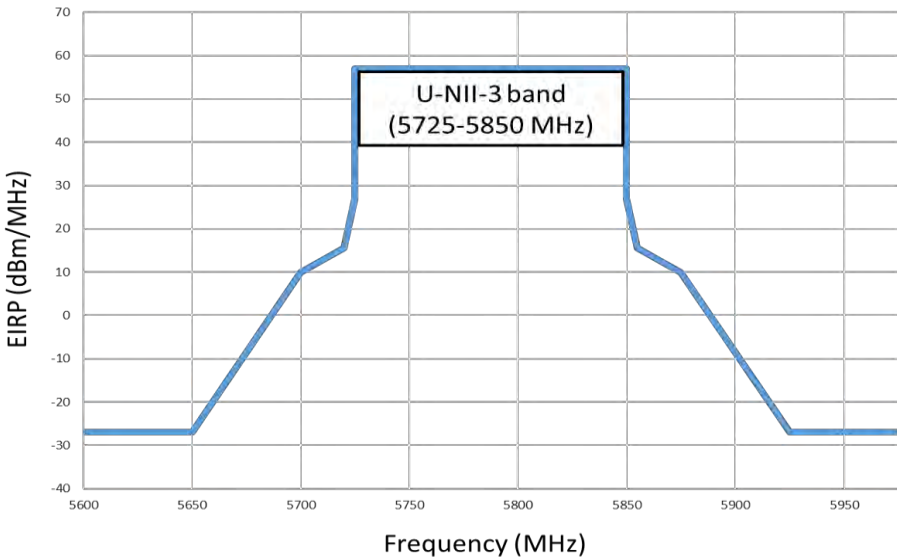
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note 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	1.39	1.50	93.06%	0.31
11n (HT20)/11ac (VHT20)	1.31	1.41	92.49%	0.34
11n (HT40)/11ac (VHT40)	0.64	0.76	85.28%	0.69
11ac (VHT80)	0.32	0.38	84.88%	0.71

Test DataConducted PowerSISO-Antenna 1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.51	35.56	250	Pass
11a	CH44	18.10	64.57	250	Pass
11a	CH48	18.18	65.77	250	Pass
11n (HT20)	CH36	15.45	35.08	250	Pass
11n (HT20)	CH44	17.40	54.95	250	Pass
11n (HT20)	CH48	17.63	57.94	250	Pass
11n (HT40)	CH38	14.01	25.18	250	Pass
11n (HT40)	CH46	16.94	49.43	250	Pass
11ac (VHT20)	CH36	15.79	37.93	250	Pass
11ac (VHT20)	CH44	18.29	67.45	250	Pass
11ac (VHT20)	CH48	18.48	70.47	250	Pass
11ac (VHT40)	CH38	14.90	30.90	250	Pass
11ac (VHT40)	CH46	16.91	49.09	250	Pass
11ac (VHT80)	CH42	13.03	20.09	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	18.11	64.71	250	210	Pass
11a	CH60	18.03	63.53	250	210	Pass
11a	CH64	13.72	23.55	250	207	Pass
11n (HT20)	CH52	18.14	65.16	250	222	Pass
11n (HT20)	CH60	17.45	55.59	250	225	Pass
11n (HT20)	CH64	12.99	19.91	250	221	Pass
11n (HT40)	CH54	16.65	46.24	250	250	Pass
11n (HT40)	CH62	12.90	19.50	250	250	Pass
11ac (VHT20)	CH52	18.10	64.57	250	223	Pass
11ac (VHT20)	CH60	18.04	63.68	250	225	Pass
11ac (VHT20)	CH64	13.10	20.42	250	222	Pass
11ac (VHT40)	CH54	16.87	48.64	250	250	Pass
11ac (VHT40)	CH62	12.79	19.01	250	250	Pass
11ac (VHT80)	CH58	11.92	15.56	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	13.07	20.28	250	207	Pass
11a	CH116	17.05	50.70	250	209	Pass
11a	CH140	10.52	11.27	250	207	Pass
11n (HT20)	CH100	10.55	11.35	250	221	Pass
11n (HT20)	CH116	17.11	51.40	250	224	Pass
11n (HT20)	CH140	10.45	11.09	250	222	Pass
11n (HT40)	CH102	13.90	24.55	250	250	Pass
11n (HT40)	CH118	16.96	49.66	250	250	Pass
11n (HT40)	CH134	15.80	38.02	250	250	Pass
11ac (VHT20)	CH100	10.56	11.38	250	221	Pass
11ac (VHT20)	CH116	18.23	66.53	250	224	Pass
11ac (VHT20)	CH140	9.55	9.02	250	222	Pass
11ac (VHT40)	CH102	13.80	23.99	250	250	Pass
11ac (VHT40)	CH118	16.95	49.55	250	250	Pass
11ac (VHT40)	CH134	15.81	38.11	250	250	Pass
11ac (VHT80)	CH106	14.27	26.73	250	250	Pass
11ac (VHT80)	CH122	14.36	27.29	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	17.53	56.62	1000	1000	Pass
11a	CH157	18.13	65.01	1000	1000	Pass
11a	CH165	18.35	68.39	1000	1000	Pass
11n (HT20)	CH149	18.43	69.66	1000	1000	Pass
11n (HT20)	CH157	18.56	71.78	1000	1000	Pass
11n (HT20)	CH165	18.67	73.62	1000	1000	Pass
11n (HT40)	CH151	17.46	55.72	1000	1000	Pass
11n (HT40)	CH159	17.70	58.88	1000	1000	Pass
11ac (VHT20)	CH149	18.40	69.18	1000	1000	Pass
11ac (VHT20)	CH157	18.45	69.98	1000	1000	Pass
11ac (VHT20)	CH165	18.47	70.31	1000	1000	Pass
11ac (VHT40)	CH151	17.48	55.98	1000	1000	Pass
11ac (VHT40)	CH159	17.73	59.29	1000	1000	Pass
11ac (VHT80)	CH155	16.72	46.99	1000	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.18	20.80	250	Pass
11a	CH44	16.77	47.53	250	Pass
11a	CH48	17.11	51.40	250	Pass
11n (HT20)	CH36	13.48	22.28	250	Pass
11n (HT20)	CH44	16.56	45.29	250	Pass
11n (HT20)	CH48	16.29	42.56	250	Pass
11n (HT40)	CH38	12.91	19.54	250	Pass
11n (HT40)	CH46	15.86	38.55	250	Pass
11ac (VHT20)	CH36	13.66	23.23	250	Pass
11ac (VHT20)	CH44	16.51	44.77	250	Pass
11ac (VHT20)	CH48	16.43	43.95	250	Pass
11ac (VHT40)	CH38	13.70	23.44	250	Pass
11ac (VHT40)	CH46	15.51	35.56	250	Pass
11ac (VHT80)	CH42	12.93	19.63	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	17.02	50.35	250	210	Pass
11a	CH60	17.16	52.00	250	210	Pass
11a	CH64	12.74	18.79	250	207	Pass
11n (HT20)	CH52	16.26	42.27	250	222	Pass
11n (HT20)	CH60	16.24	42.07	250	225	Pass
11n (HT20)	CH64	11.39	13.77	250	221	Pass
11n (HT40)	CH54	15.41	34.75	250	250	Pass
11n (HT40)	CH62	11.71	14.83	250	250	Pass
11ac (VHT20)	CH52	16.20	41.69	250	223	Pass
11ac (VHT20)	CH60	16.29	42.56	250	225	Pass
11ac (VHT20)	CH64	11.68	14.72	250	222	Pass
11ac (VHT40)	CH54	15.93	39.17	250	250	Pass
11ac (VHT40)	CH62	11.79	15.10	250	250	Pass
11ac (VHT80)	CH58	11.05	12.74	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	12.29	16.94	250	207	Pass
11a	CH116	17.15	51.88	250	209	Pass
11a	CH140	10.54	11.32	250	207	Pass
11n (HT20)	CH100	10.88	12.25	250	221	Pass
11n (HT20)	CH116	16.95	49.55	250	224	Pass
11n (HT20)	CH140	10.55	11.35	250	222	Pass
11n (HT40)	CH102	13.80	23.99	250	250	Pass
11n (HT40)	CH118	16.33	42.95	250	250	Pass
11n (HT40)	CH134	14.12	25.82	250	250	Pass
11ac (VHT20)	CH100	10.45	11.09	250	221	Pass
11ac (VHT20)	CH116	16.87	48.64	250	224	Pass
11ac (VHT20)	CH140	9.45	8.81	250	222	Pass
11ac (VHT40)	CH102	13.70	23.44	250	250	Pass
11ac (VHT40)	CH118	16.64	46.13	250	250	Pass
11ac (VHT40)	CH134	15.67	36.90	250	250	Pass
11ac (VHT80)	CH106	14.03	25.29	250	250	Pass
11ac (VHT80)	CH122	13.92	24.66	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	16.19	41.59	1000	1000	Pass
11a	CH157	15.78	37.84	1000	1000	Pass
11a	CH165	15.37	34.43	1000	1000	Pass
11n (HT20)	CH149	15.97	39.54	1000	1000	Pass
11n (HT20)	CH157	15.71	37.24	1000	1000	Pass
11n (HT20)	CH165	15.62	36.48	1000	1000	Pass
11n (HT40)	CH151	15.29	33.81	1000	1000	Pass
11n (HT40)	CH159	15.62	36.48	1000	1000	Pass
11ac (VHT20)	CH149	16.01	39.90	1000	1000	Pass
11ac (VHT20)	CH157	15.29	33.81	1000	1000	Pass
11ac (VHT20)	CH165	15.31	33.96	1000	1000	Pass
11ac (VHT40)	CH151	16.06	40.36	1000	1000	Pass
11ac (VHT40)	CH159	15.62	36.48	1000	1000	Pass
11ac (VHT80)	CH155	15.12	32.51	1000	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.32	17.06	250	Pass
11a	CH44	14.95	31.26	250	Pass
11a	CH48	14.82	30.34	250	Pass
11n (HT20)	CH36	12.37	17.26	250	Pass
11n (HT20)	CH44	14.71	29.58	250	Pass
11n (HT20)	CH48	14.77	29.99	250	Pass
11n (HT40)	CH38	10.85	12.16	250	Pass
11n (HT40)	CH46	13.10	20.42	250	Pass
11ac (VHT20)	CH36	12.70	18.62	250	Pass
11ac (VHT20)	CH44	14.72	29.65	250	Pass
11ac (VHT20)	CH48	14.77	29.99	250	Pass
11ac (VHT40)	CH38	11.82	15.21	250	Pass
11ac (VHT40)	CH46	13.15	20.65	250	Pass
11ac (VHT80)	CH42	9.97	9.93	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	15.03	31.84	250	210	Pass
11a	CH60	15.02	31.77	250	210	Pass
11a	CH64	10.61	11.51	250	207	Pass
11n (HT20)	CH52	14.98	31.48	250	222	Pass
11n (HT20)	CH60	14.33	27.10	250	225	Pass
11n (HT20)	CH64	9.81	9.57	250	221	Pass
11n (HT40)	CH54	13.46	22.18	250	250	Pass
11n (HT40)	CH62	9.74	9.42	250	250	Pass
11ac (VHT20)	CH52	15.01	31.70	250	223	Pass
11ac (VHT20)	CH60	14.94	31.19	250	225	Pass
11ac (VHT20)	CH64	10.07	10.16	250	222	Pass
11ac (VHT40)	CH54	13.74	23.66	250	250	Pass
11ac (VHT40)	CH62	9.74	9.42	250	250	Pass
11ac (VHT80)	CH58	8.88	7.73	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	10.01	10.02	250	207	Pass
11a	CH116	14.01	25.18	250	209	Pass
11a	CH140	7.35	5.43	250	207	Pass
11n (HT20)	CH100	7.54	5.68	250	221	Pass
11n (HT20)	CH116	14.08	25.59	250	224	Pass
11n (HT20)	CH140	7.39	5.48	250	222	Pass
11n (HT40)	CH102	10.75	11.89	250	250	Pass
11n (HT40)	CH118	13.87	24.38	250	250	Pass
11n (HT40)	CH134	12.74	18.79	250	250	Pass
11ac (VHT20)	CH100	7.47	5.58	250	221	Pass
11ac (VHT20)	CH116	15.13	32.58	250	224	Pass
11ac (VHT20)	CH140	6.37	4.34	250	222	Pass
11ac (VHT40)	CH102	10.64	11.59	250	250	Pass
11ac (VHT40)	CH118	13.88	24.43	250	250	Pass
11ac (VHT40)	CH134	12.64	18.37	250	250	Pass
11ac (VHT80)	CH106	11.20	13.18	250	250	Pass
11ac (VHT80)	CH122	11.19	13.15	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	14.34	27.16	1000	1000	Pass
11a	CH157	15.02	31.77	1000	1000	Pass
11a	CH165	15.18	32.96	1000	1000	Pass
11n (HT20)	CH149	15.34	34.20	1000	1000	Pass
11n (HT20)	CH157	15.39	34.59	1000	1000	Pass
11n (HT20)	CH165	15.50	35.48	1000	1000	Pass
11n (HT40)	CH151	14.42	27.67	1000	1000	Pass
11n (HT40)	CH159	14.56	28.58	1000	1000	Pass
11ac (VHT20)	CH149	15.38	34.51	1000	1000	Pass
11ac (VHT20)	CH157	15.43	34.91	1000	1000	Pass
11ac (VHT20)	CH165	15.43	34.91	1000	1000	Pass
11ac (VHT40)	CH151	14.31	26.98	1000	1000	Pass
11ac (VHT40)	CH159	14.55	28.51	1000	1000	Pass
11ac (VHT80)	CH155	13.71	23.50	1000	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	10.09	10.21	250	Pass
11a	CH44	12.96	19.77	250	Pass
11a	CH48	13.35	21.63	250	Pass
11n (HT20)	CH36	10.34	10.81	250	Pass
11n (HT20)	CH44	13.36	21.68	250	Pass
11n (HT20)	CH48	13.19	20.84	250	Pass
11n (HT40)	CH38	9.83	9.62	250	Pass
11n (HT40)	CH46	12.74	18.79	250	Pass
11ac (VHT20)	CH36	10.49	11.19	250	Pass
11ac (VHT20)	CH44	13.40	21.88	250	Pass
11ac (VHT20)	CH48	13.36	21.68	250	Pass
11ac (VHT40)	CH38	10.61	11.51	250	Pass
11ac (VHT40)	CH46	12.42	17.46	250	Pass
11ac (VHT80)	CH42	9.86	9.68	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	13.44	22.08	250	210	Pass
11a	CH60	13.69	23.39	250	210	Pass
11a	CH64	9.67	9.27	250	207	Pass
11n (HT20)	CH52	13.19	20.84	250	222	Pass
11n (HT20)	CH60	13.22	20.99	250	225	Pass
11n (HT20)	CH64	8.32	6.79	250	221	Pass
11n (HT40)	CH54	12.32	17.06	250	250	Pass
11n (HT40)	CH62	8.61	7.26	250	250	Pass
11ac (VHT20)	CH52	13.08	20.32	250	223	Pass
11ac (VHT20)	CH60	13.23	21.04	250	225	Pass
11ac (VHT20)	CH64	8.50	7.08	250	222	Pass
11ac (VHT40)	CH54	12.79	19.01	250	250	Pass
11ac (VHT40)	CH62	8.75	7.50	250	250	Pass
11ac (VHT80)	CH58	7.93	6.21	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	9.18	8.28	250	207	Pass
11a	CH116	14.40	27.54	250	209	Pass
11a	CH140	7.44	5.55	250	207	Pass
11n (HT20)	CH100	7.76	5.97	250	221	Pass
11n (HT20)	CH116	13.82	24.10	250	224	Pass
11n (HT20)	CH140	7.35	5.43	250	222	Pass
11n (HT40)	CH102	10.66	11.64	250	250	Pass
11n (HT40)	CH118	13.29	21.33	250	250	Pass
11n (HT40)	CH134	11.02	12.65	250	250	Pass
11ac (VHT20)	CH100	7.35	5.43	250	221	Pass
11ac (VHT20)	CH116	13.80	23.99	250	224	Pass
11ac (VHT20)	CH140	6.30	4.27	250	222	Pass
11ac (VHT40)	CH102	10.63	11.56	250	250	Pass
11ac (VHT40)	CH118	13.47	22.23	250	250	Pass
11ac (VHT40)	CH134	12.54	17.95	250	250	Pass
11ac (VHT80)	CH106	10.91	12.33	250	250	Pass
11ac (VHT80)	CH122	10.75	11.89	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	13.11	20.46	1000	1000	Pass
11a	CH157	12.62	18.28	1000	1000	Pass
11a	CH165	12.49	17.74	1000	1000	Pass
11n (HT20)	CH149	12.87	19.36	1000	1000	Pass
11n (HT20)	CH157	12.66	18.45	1000	1000	Pass
11n (HT20)	CH165	12.47	17.66	1000	1000	Pass
11n (HT40)	CH151	12.14	16.37	1000	1000	Pass
11n (HT40)	CH159	12.60	18.20	1000	1000	Pass
11ac (VHT20)	CH149	12.86	19.32	1000	1000	Pass
11ac (VHT20)	CH157	12.21	16.63	1000	1000	Pass
11ac (VHT20)	CH165	12.23	16.71	1000	1000	Pass
11ac (VHT40)	CH151	12.99	19.91	1000	1000	Pass
11ac (VHT40)	CH159	12.46	17.62	1000	1000	Pass
11ac (VHT80)	CH155	11.92	15.56	1000	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.36	27.27	250	Pass
11a	CH44	17.08	51.03	250	Pass
11a	CH48	17.16	51.97	250	Pass
11n (HT20)	CH36	14.48	28.07	250	Pass
11n (HT20)	CH44	17.10	51.26	250	Pass
11n (HT20)	CH48	17.06	50.84	250	Pass
11n (HT40)	CH38	13.38	21.78	250	Pass
11n (HT40)	CH46	15.93	39.21	250	Pass
11ac (VHT20)	CH36	14.74	29.82	250	Pass
11ac (VHT20)	CH44	17.12	51.53	250	Pass
11ac (VHT20)	CH48	17.13	51.67	250	Pass
11ac (VHT40)	CH38	14.27	26.71	250	Pass
11ac (VHT40)	CH46	15.81	38.11	250	Pass
11ac (VHT80)	CH42	12.93	19.61	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	17.01	53.92	250	210	Pass
11a	CH60	17.11	55.16	250	210	Pass
11a	CH64	12.87	20.78	250	207	Pass
11n (HT20)	CH52	16.85	52.32	250	222	Pass
11n (HT20)	CH60	16.48	48.09	250	225	Pass
11n (HT20)	CH64	11.80	16.36	250	221	Pass
11n (HT40)	CH54	15.25	39.24	250	250	Pass
11n (HT40)	CH62	11.53	16.68	250	250	Pass
11ac (VHT20)	CH52	16.82	52.02	250	223	Pass
11ac (VHT20)	CH60	16.84	52.23	250	225	Pass
11ac (VHT20)	CH64	12.03	17.24	250	222	Pass
11ac (VHT40)	CH54	15.61	42.67	250	250	Pass
11ac (VHT40)	CH62	11.59	16.92	250	250	Pass
11ac (VHT80)	CH58	10.73	13.94	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	12.32	18.30	250	207	Pass
11a	CH116	16.91	52.72	250	209	Pass
11a	CH140	10.10	10.98	250	207	Pass
11n (HT20)	CH100	10.32	11.65	250	221	Pass
11n (HT20)	CH116	16.62	49.68	250	224	Pass
11n (HT20)	CH140	10.04	10.92	250	222	Pass
11n (HT40)	CH102	13.03	23.53	250	250	Pass
11n (HT40)	CH118	15.91	45.71	250	250	Pass
11n (HT40)	CH134	14.28	31.44	250	250	Pass
11ac (VHT20)	CH100	10.08	11.02	250	221	Pass
11ac (VHT20)	CH116	17.19	56.57	250	224	Pass
11ac (VHT20)	CH140	9.01	8.60	250	222	Pass
11ac (VHT40)	CH102	12.96	23.15	250	250	Pass
11ac (VHT40)	CH118	16.00	46.67	250	250	Pass
11ac (VHT40)	CH134	14.91	36.31	250	250	Pass
11ac (VHT80)	CH106	13.36	25.51	250	250	Pass
11ac (VHT80)	CH122	13.28	25.04	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	16.47	47.63	1000	1000	Pass
11a	CH157	16.68	50.05	1000	1000	Pass
11a	CH165	16.74	50.70	1000	1000	Pass
11n (HT20)	CH149	16.95	53.56	1000	1000	Pass
11n (HT20)	CH157	16.91	53.04	1000	1000	Pass
11n (HT20)	CH165	16.91	53.14	1000	1000	Pass
11n (HT40)	CH151	15.75	44.04	1000	1000	Pass
11n (HT40)	CH159	16.01	46.77	1000	1000	Pass
11ac (VHT20)	CH149	16.97	53.83	1000	1000	Pass
11ac (VHT20)	CH157	16.78	51.55	1000	1000	Pass
11ac (VHT20)	CH165	16.79	51.62	1000	1000	Pass
11ac (VHT40)	CH151	16.02	46.88	1000	1000	Pass
11ac (VHT40)	CH159	15.95	46.13	1000	1000	Pass
11ac (VHT80)	CH155	15.21	39.06	1000	1000	Pass

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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	19.08	80.91	164	Pass
11a	CH44	21.67	146.89	165	Pass
11a	CH48	21.75	149.62	168	Pass
11n (HT20)	CH36	19.02	79.80	177	Pass
11n (HT20)	CH44	20.97	125.03	177	Pass
11n (HT20)	CH48	21.20	131.83	177	Pass
11n (HT40)	CH38	17.58	57.28	200	Pass
11n (HT40)	CH46	20.51	112.46	200	Pass
11ac (VHT20)	CH36	19.36	86.30	176	Pass
11ac (VHT20)	CH44	21.86	153.46	177	Pass
11ac (VHT20)	CH48	22.05	160.32	177	Pass
11ac (VHT40)	CH38	18.47	70.31	200	Pass
11ac (VHT40)	CH46	20.48	111.69	200	Pass
11ac (VHT80)	CH42	16.60	45.71	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	21.62	145.21	834	Pass
11a	CH60	21.54	142.56	836	Pass
11a	CH64	17.23	52.84	826	Pass
11n (HT20)	CH52	21.65	146.22	884	Pass
11n (HT20)	CH60	20.96	124.74	894	Pass
11n (HT20)	CH64	16.50	44.67	882	Pass
11n (HT40)	CH54	20.16	103.75	1000	Pass
11n (HT40)	CH62	16.41	43.75	1000	Pass
11ac (VHT20)	CH52	21.61	144.88	889	Pass
11ac (VHT20)	CH60	21.55	142.89	894	Pass
11ac (VHT20)	CH64	16.61	45.81	882	Pass
11ac (VHT40)	CH54	20.38	109.14	1000	Pass
11ac (VHT40)	CH62	16.30	42.66	1000	Pass
11ac (VHT80)	CH58	15.43	34.91	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	17.31	53.83	823	Pass
11a	CH116	21.29	134.59	832	Pass
11a	CH140	14.76	29.92	824	Pass
11n (HT20)	CH100	14.79	30.13	881	Pass
11n (HT20)	CH116	21.35	136.46	891	Pass
11n (HT20)	CH140	14.69	29.44	882	Pass
11n (HT40)	CH102	18.14	65.16	1000	Pass
11n (HT40)	CH118	21.20	131.83	1000	Pass
11n (HT40)	CH134	20.04	100.93	1000	Pass
11ac (VHT20)	CH100	14.80	30.20	881	Pass
11ac (VHT20)	CH116	22.47	176.60	891	Pass
11ac (VHT20)	CH140	13.79	23.93	882	Pass
11ac (VHT40)	CH102	18.04	63.68	1000	Pass
11ac (VHT40)	CH118	21.19	131.52	1000	Pass
11ac (VHT40)	CH134	20.05	101.16	1000	Pass
11ac (VHT80)	CH106	18.51	70.96	1000	Pass
11ac (VHT80)	CH122	18.60	72.44	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	21.78	150.66	Pass
11a	CH157	22.38	172.98	Pass
11a	CH165	22.60	181.97	Pass
11n (HT20)	CH149	22.68	185.35	Pass
11n (HT20)	CH157	22.81	190.99	Pass
11n (HT20)	CH165	22.92	195.88	Pass
11n (HT40)	CH151	21.71	148.25	Pass
11n (HT40)	CH159	21.95	156.68	Pass
11ac (VHT20)	CH149	22.65	184.08	Pass
11ac (VHT20)	CH157	22.70	186.21	Pass
11ac (VHT20)	CH165	22.72	187.07	Pass
11ac (VHT40)	CH151	21.73	148.94	Pass
11ac (VHT40)	CH159	21.98	157.76	Pass
11ac (VHT80)	CH155	20.97	125.03	Pass

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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	16.75	47.32	164	Pass
11a	CH44	20.34	108.14	165	Pass
11a	CH48	20.68	116.95	168	Pass
11n (HT20)	CH36	17.05	50.70	177	Pass
11n (HT20)	CH44	20.13	103.04	177	Pass
11n (HT20)	CH48	19.86	96.83	177	Pass
11n (HT40)	CH38	16.48	44.46	200	Pass
11n (HT40)	CH46	19.43	87.70	200	Pass
11ac (VHT20)	CH36	17.23	52.84	176	Pass
11ac (VHT20)	CH44	20.08	101.86	177	Pass
11ac (VHT20)	CH48	20.00	100.00	177	Pass
11ac (VHT40)	CH38	17.27	53.33	200	Pass
11ac (VHT40)	CH46	19.08	80.91	200	Pass
11ac (VHT80)	CH42	16.50	44.67	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	20.53	112.98	834	Pass
11a	CH60	20.67	116.68	836	Pass
11a	CH64	16.25	42.17	826	Pass
11n (HT20)	CH52	19.77	94.84	884	Pass
11n (HT20)	CH60	19.75	94.41	894	Pass
11n (HT20)	CH64	14.90	30.90	882	Pass
11n (HT40)	CH54	18.92	77.98	1000	Pass
11n (HT40)	CH62	15.22	33.27	1000	Pass
11ac (VHT20)	CH52	19.71	93.54	889	Pass
11ac (VHT20)	CH60	19.80	95.50	894	Pass
11ac (VHT20)	CH64	15.19	33.04	882	Pass
11ac (VHT40)	CH54	19.44	87.90	1000	Pass
11ac (VHT40)	CH62	15.30	33.88	1000	Pass
11ac (VHT80)	CH58	14.56	28.58	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	16.53	44.98	823	Pass
11a	CH116	21.39	137.72	832	Pass
11a	CH140	14.78	30.06	824	Pass
11n (HT20)	CH100	15.12	32.51	881	Pass
11n (HT20)	CH116	21.19	131.52	891	Pass
11n (HT20)	CH140	14.79	30.13	882	Pass
11n (HT40)	CH102	18.04	63.68	1000	Pass
11n (HT40)	CH118	20.57	114.02	1000	Pass
11n (HT40)	CH134	18.36	68.55	1000	Pass
11ac (VHT20)	CH100	14.69	29.44	881	Pass
11ac (VHT20)	CH116	21.11	129.12	891	Pass
11ac (VHT20)	CH140	13.69	23.39	882	Pass
11ac (VHT40)	CH102	17.94	62.23	1000	Pass
11ac (VHT40)	CH118	20.88	122.46	1000	Pass
11ac (VHT40)	CH134	19.91	97.95	1000	Pass
11ac (VHT80)	CH106	18.27	67.14	1000	Pass
11ac (VHT80)	CH122	18.16	65.46	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	20.44	110.66	Pass
11a	CH157	20.03	100.69	Pass
11a	CH165	19.62	91.62	Pass
11n (HT20)	CH149	20.22	105.20	Pass
11n (HT20)	CH157	19.96	99.08	Pass
11n (HT20)	CH165	19.87	97.05	Pass
11n (HT40)	CH151	19.54	89.95	Pass
11n (HT40)	CH159	19.87	97.05	Pass
11ac (VHT20)	CH149	20.26	106.17	Pass
11ac (VHT20)	CH157	19.54	89.95	Pass
11ac (VHT20)	CH165	19.56	90.36	Pass
11ac (VHT40)	CH151	20.31	107.40	Pass
11ac (VHT40)	CH159	19.87	97.05	Pass
11ac (VHT80)	CH155	19.37	86.50	Pass

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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	15.89	38.82	164	Pass
11a	CH44	18.52	71.12	165	Pass
11a	CH48	18.39	69.02	168	Pass
11n (HT20)	CH36	15.94	39.26	177	Pass
11n (HT20)	CH44	18.28	67.30	177	Pass
11n (HT20)	CH48	18.34	68.23	177	Pass
11n (HT40)	CH38	14.42	27.67	200	Pass
11n (HT40)	CH46	16.67	46.45	200	Pass
11ac (VHT20)	CH36	16.27	42.36	176	Pass
11ac (VHT20)	CH44	18.29	67.45	177	Pass
11ac (VHT20)	CH48	18.34	68.23	177	Pass
11ac (VHT40)	CH38	15.39	34.59	200	Pass
11ac (VHT40)	CH46	16.72	46.99	200	Pass
11ac (VHT80)	CH42	13.54	22.59	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	18.54	71.45	834	Pass
11a	CH60	18.53	71.29	836	Pass
11a	CH64	14.12	25.82	826	Pass
11n (HT20)	CH52	18.49	70.63	884	Pass
11n (HT20)	CH60	17.84	60.81	894	Pass
11n (HT20)	CH64	13.32	21.48	882	Pass
11n (HT40)	CH54	16.97	49.77	1000	Pass
11n (HT40)	CH62	13.25	21.13	1000	Pass
11ac (VHT20)	CH52	18.52	71.12	889	Pass
11ac (VHT20)	CH60	18.45	69.98	894	Pass
11ac (VHT20)	CH64	13.58	22.80	882	Pass
11ac (VHT40)	CH54	17.25	53.09	1000	Pass
11ac (VHT40)	CH62	13.25	21.13	1000	Pass
11ac (VHT80)	CH58	12.39	17.34	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	14.25	26.61	823	Pass
11a	CH116	18.25	66.83	832	Pass
11a	CH140	11.59	14.42	824	Pass
11n (HT20)	CH100	11.78	15.07	881	Pass
11n (HT20)	CH116	18.32	67.92	891	Pass
11n (HT20)	CH140	11.63	14.55	882	Pass
11n (HT40)	CH102	14.99	31.55	1000	Pass
11n (HT40)	CH118	18.11	64.71	1000	Pass
11n (HT40)	CH134	16.98	49.89	1000	Pass
11ac (VHT20)	CH100	11.71	14.83	881	Pass
11ac (VHT20)	CH116	19.37	86.50	891	Pass
11ac (VHT20)	CH140	10.61	11.51	882	Pass
11ac (VHT40)	CH102	14.88	30.76	1000	Pass
11ac (VHT40)	CH118	18.12	64.86	1000	Pass
11ac (VHT40)	CH134	16.88	48.75	1000	Pass
11ac (VHT80)	CH106	15.44	34.99	1000	Pass
11ac (VHT80)	CH122	15.43	34.91	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	18.59	72.28	Pass
11a	CH157	19.27	84.53	Pass
11a	CH165	19.43	87.70	Pass
11n (HT20)	CH149	19.59	90.99	Pass
11n (HT20)	CH157	19.64	92.04	Pass
11n (HT20)	CH165	19.75	94.41	Pass
11n (HT40)	CH151	18.67	73.62	Pass
11n (HT40)	CH159	18.81	76.03	Pass
11ac (VHT20)	CH149	19.63	91.83	Pass
11ac (VHT20)	CH157	19.68	92.90	Pass
11ac (VHT20)	CH165	19.68	92.90	Pass
11ac (VHT40)	CH151	18.56	71.78	Pass
11ac (VHT40)	CH159	18.80	75.86	Pass
11ac (VHT80)	CH155	17.96	62.52	Pass

MIMO-Antenna 2

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	13.66	23.23	164	Pass
11a	CH44	16.53	44.98	165	Pass
11a	CH48	16.92	49.20	168	Pass
11n (HT20)	CH36	13.91	24.60	177	Pass
11n (HT20)	CH44	16.93	49.32	177	Pass
11n (HT20)	CH48	16.76	47.42	177	Pass
11n (HT40)	CH38	13.40	21.88	200	Pass
11n (HT40)	CH46	16.31	42.76	200	Pass
11ac (VHT20)	CH36	14.06	25.47	176	Pass
11ac (VHT20)	CH44	16.97	49.77	177	Pass
11ac (VHT20)	CH48	16.93	49.32	177	Pass
11ac (VHT40)	CH38	14.18	26.18	200	Pass
11ac (VHT40)	CH46	15.99	39.72	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	16.95	49.55	834	Pass
11a	CH60	17.20	52.48	836	Pass
11a	CH64	13.18	20.80	826	Pass
11n (HT20)	CH52	16.70	46.77	884	Pass
11n (HT20)	CH60	16.73	47.10	894	Pass
11n (HT20)	CH64	11.83	15.24	882	Pass
11n (HT40)	CH54	15.83	38.28	1000	Pass
11n (HT40)	CH62	12.12	16.29	1000	Pass
11ac (VHT20)	CH52	16.59	45.60	889	Pass
11ac (VHT20)	CH60	16.74	47.21	894	Pass
11ac (VHT20)	CH64	12.01	15.89	882	Pass
11ac (VHT40)	CH54	16.30	42.66	1000	Pass
11ac (VHT40)	CH62	12.26	16.83	1000	Pass
11ac (VHT80)	CH58	11.44	13.93	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	13.42	21.98	823	Pass
11a	CH116	18.64	73.11	832	Pass
11a	CH140	11.68	14.72	824	Pass
11n (HT20)	CH100	12.00	15.85	881	Pass
11n (HT20)	CH116	18.06	63.97	891	Pass
11n (HT20)	CH140	11.59	14.42	882	Pass
11n (HT40)	CH102	14.90	30.90	1000	Pass
11n (HT40)	CH118	17.53	56.62	1000	Pass
11n (HT40)	CH134	15.26	33.57	1000	Pass
11ac (VHT20)	CH100	11.59	14.42	881	Pass
11ac (VHT20)	CH116	18.04	63.68	891	Pass
11ac (VHT20)	CH140	10.54	11.32	882	Pass
11ac (VHT40)	CH102	14.87	30.69	1000	Pass
11ac (VHT40)	CH118	17.71	59.02	1000	Pass
11ac (VHT40)	CH134	16.78	47.64	1000	Pass
11ac (VHT80)	CH106	15.15	32.73	1000	Pass
11ac (VHT80)	CH122	14.99	31.55	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	17.36	54.45	Pass
11a	CH157	16.87	48.64	Pass
11a	CH165	16.74	47.21	Pass
11n (HT20)	CH149	17.12	51.52	Pass
11n (HT20)	CH157	16.91	49.09	Pass
11n (HT20)	CH165	16.72	46.99	Pass
11n (HT40)	CH151	16.39	43.55	Pass
11n (HT40)	CH159	16.85	48.42	Pass
11ac (VHT20)	CH149	17.11	51.40	Pass
11ac (VHT20)	CH157	16.46	44.26	Pass
11ac (VHT20)	CH165	16.48	44.46	Pass
11ac (VHT40)	CH151	17.24	52.97	Pass
11ac (VHT40)	CH159	16.71	46.88	Pass
11ac (VHT80)	CH155	16.17	41.40	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	17.93	62.04	164	Pass
11a	CH44	20.65	116.10	165	Pass
11a	CH48	20.73	118.23	168	Pass
11n (HT20)	CH36	18.05	63.87	177	Pass
11n (HT20)	CH44	20.67	116.62	177	Pass
11n (HT20)	CH48	20.63	115.66	177	Pass
11n (HT40)	CH38	16.95	49.55	200	Pass
11n (HT40)	CH46	19.50	89.21	200	Pass
11ac (VHT20)	CH36	18.31	67.83	176	Pass
11ac (VHT20)	CH44	20.69	117.23	177	Pass
11ac (VHT20)	CH48	20.70	117.55	177	Pass
11ac (VHT40)	CH38	17.84	60.78	200	Pass
11ac (VHT40)	CH46	19.38	86.71	200	Pass
11ac (VHT80)	CH42	16.50	44.62	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	20.83	120.99	834	Pass
11a	CH60	20.93	123.77	836	Pass
11a	CH64	16.69	46.62	826	Pass
11n (HT20)	CH52	20.70	117.41	884	Pass
11n (HT20)	CH60	20.33	107.91	894	Pass
11n (HT20)	CH64	15.65	36.72	882	Pass
11n (HT40)	CH54	19.45	88.06	1000	Pass
11n (HT40)	CH62	15.73	37.43	1000	Pass
11ac (VHT20)	CH52	20.67	116.73	889	Pass
11ac (VHT20)	CH60	20.69	117.19	894	Pass
11ac (VHT20)	CH64	15.88	38.69	882	Pass
11ac (VHT40)	CH54	19.81	95.75	1000	Pass
11ac (VHT40)	CH62	15.79	37.96	1000	Pass
11ac (VHT80)	CH58	14.95	31.27	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	16.87	48.59	823	Pass
11a	CH116	21.46	139.95	832	Pass
11a	CH140	14.65	29.14	824	Pass
11n (HT20)	CH100	14.90	30.92	881	Pass
11n (HT20)	CH116	21.20	131.89	891	Pass
11n (HT20)	CH140	14.62	28.98	882	Pass
11n (HT40)	CH102	17.96	62.45	1000	Pass
11n (HT40)	CH118	20.84	121.34	1000	Pass
11n (HT40)	CH134	19.21	83.46	1000	Pass
11ac (VHT20)	CH100	14.66	29.25	881	Pass
11ac (VHT20)	CH116	21.77	150.18	891	Pass
11ac (VHT20)	CH140	13.59	22.83	882	Pass
11ac (VHT40)	CH102	17.89	61.45	1000	Pass
11ac (VHT40)	CH118	20.93	123.88	1000	Pass
11ac (VHT40)	CH134	19.84	96.40	1000	Pass
11ac (VHT80)	CH106	18.31	67.73	1000	Pass
11ac (VHT80)	CH122	18.23	66.46	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	21.03	126.73	Pass
11a	CH157	21.24	133.17	Pass
11a	CH165	21.30	134.91	Pass
11n (HT20)	CH149	21.54	142.51	Pass
11n (HT20)	CH157	21.50	141.14	Pass
11n (HT20)	CH165	21.50	141.40	Pass
11n (HT40)	CH151	20.69	117.17	Pass
11n (HT40)	CH159	20.95	124.45	Pass
11ac (VHT20)	CH149	21.56	143.24	Pass
11ac (VHT20)	CH157	21.37	137.16	Pass
11ac (VHT20)	CH165	21.38	137.36	Pass
11ac (VHT40)	CH151	20.96	124.75	Pass
11ac (VHT40)	CH159	20.89	122.74	Pass
11ac (VHT80)	CH155	20.17	103.92	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2480394-604 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 1

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.81	16.43
11a	CH44	21.24	16.50
11a	CH48	30.24	16.78
11n (HT20)	CH36	21.37	17.68
11n (HT20)	CH44	22.86	17.69
11n (HT20)	CH48	22.91	17.68
11n (HT40)	CH38	39.37	35.97
11n (HT40)	CH46	39.62	36.05
11ac (VHT20)	CH36	21.29	17.57
11ac (VHT20)	CH44	22.84	17.69
11ac (HVT20)	CH48	21.71	17.66
11ac (VHT40)	CH38	39.38	35.95
11ac (VHT40)	CH46	41.69	36.03
11ac (VHT80)	CH42	80.95	75.60

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	27.07	16.65
11a	CH60	29.47	16.68
11a	CH64	20.73	16.47
11n (HT20)	CH52	21.45	17.63
11n (HT20)	CH60	32.67	17.84
11n (HT20)	CH64	21.25	17.59
11n (HT40)	CH54	39.65	36.03
11n (HT40)	CH62	39.40	36.02
11ac (VHT20)	CH52	24.74	17.74
11ac (VHT20)	CH60	32.60	17.84
11ac (VHT20)	CH64	21.42	17.61
11ac (VHT40)	CH54	39.41	35.99
11ac (VHT40)	CH62	39.31	35.99
11ac (VHT80)	CH58	80.70	75.70

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.81	16.42
11a	CH116	22.79	16.59
11a	CH140	20.68	16.43
11n (HT20)	CH100	21.31	17.59
11n (HT20)	CH116	25.36	17.77
11n (HT20)	CH140	21.28	17.60
11n (HT40)	CH102	39.38	36.03
11n (HT40)	CH118	57.42	36.19
11n (HT40)	CH134	39.57	36.05
11ac (VHT20)	CH100	21.23	17.58
11ac (VHT20)	CH116	24.44	17.78
11ac (VHT20)	CH140	21.39	17.60
11ac (VHT40)	CH102	39.36	35.98
11ac (VHT40)	CH118	57.55	36.14
11ac (VHT40)	CH134	39.79	36.03
11ac (VHT80)	CH106	80.90	75.48
11ac (VHT80)	CH122	80.85	75.55

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	25.68	16.72
11a	CH157	25.70	16.63
11a	CH165	25.57	16.68
11n (HT20)	CH149	27.30	18.03
11n (HT20)	CH157	26.44	17.90
11n (HT20)	CH165	26.82	17.93
11n (HT40)	CH151	58.01	36.53
11n (HT40)	CH159	57.65	36.57
11ac (VHT20)	CH149	26.63	17.94
11ac (VHT20)	CH157	26.45	17.88
11ac (VHT20)	CH165	26.65	17.91
11ac (VHT40)	CH151	57.96	36.46
11ac (VHT40)	CH159	57.68	36.44
11ac (VHT80)	CH155	88.90	75.83

A.3 6 dB Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2480394-604 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 1

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	15.40	500.00	Pass
11a	CH165	15.40	500.00	Pass
11n (HT20)	CH149	15.40	500.00	Pass
11n (HT20)	CH157	15.40	500.00	Pass
11n (HT20)	CH165	15.40	500.00	Pass
11n (HT40)	CH151	35.40	500.00	Pass
11n (HT40)	CH159	35.40	500.00	Pass
11ac (VHT20)	CH149	15.40	500.00	Pass
11ac (VHT20)	CH157	15.40	500.00	Pass
11ac (VHT20)	CH165	15.40	500.00	Pass
11ac (VHT40)	CH151	35.40	500.00	Pass
11ac (VHT40)	CH159	35.40	500.00	Pass
11ac (VHT80)	CH155	75.40	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2480394-604 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 1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	4.70	11.00	Pass
11a	CH44	5.60	11.00	Pass
11a	CH48	5.56	11.00	Pass
11n (HT20)	CH36	4.57	11.00	Pass
11n (HT20)	CH44	5.26	11.00	Pass
11n (HT20)	CH48	5.21	11.00	Pass
11n (HT40)	CH38	-0.21	11.00	Pass
11n (HT40)	CH46	3.42	11.00	Pass
11ac (VHT20)	CH36	4.42	11.00	Pass
11ac (VHT20)	CH44	5.31	11.00	Pass
11ac (VHT20)	CH48	5.20	11.00	Pass
11ac (VHT40)	CH38	-0.26	11.00	Pass
11ac (VHT40)	CH46	3.61	11.00	Pass
11ac (VHT80)	CH42	-4.79	11.00	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	8.19	11.00	11.00	Pass
11a	CH60	7.93	11.00	11.00	Pass
11a	CH64	2.48	11.00	11.00	Pass
11n (HT20)	CH52	7.38	11.00	11.00	Pass
11n (HT20)	CH60	7.62	11.00	11.00	Pass
11n (HT20)	CH64	2.19	11.00	11.00	Pass
11n (HT40)	CH54	2.69	11.00	11.00	Pass
11n (HT40)	CH62	-1.89	11.00	11.00	Pass
11ac (VHT20)	CH52	7.66	11.00	11.00	Pass
11ac (VHT20)	CH60	7.50	11.00	11.00	Pass
11ac (VHT20)	CH64	2.29	11.00	11.00	Pass
11ac (VHT40)	CH54	3.02	11.00	11.00	Pass
11ac (VHT40)	CH62	-2.03	11.00	11.00	Pass
11ac (VHT80)	CH58	-5.36	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	3.99	11.00	11.00	Pass
11a	CH116	8.19	11.00	11.00	Pass
11a	CH140	0.71	11.00	11.00	Pass
11n (HT20)	CH100	1.77	11.00	11.00	Pass
11n (HT20)	CH116	7.98	11.00	11.00	Pass
11n (HT20)	CH140	0.65	11.00	11.00	Pass
11n (HT40)	CH102	1.05	11.00	11.00	Pass
11n (HT40)	CH118	3.44	11.00	11.00	Pass
11n (HT40)	CH134	2.19	11.00	11.00	Pass
11ac (VHT20)	CH100	1.86	11.00	11.00	Pass
11ac (VHT20)	CH116	7.98	11.00	11.00	Pass
11ac (VHT20)	CH140	-0.63	11.00	11.00	Pass
11ac (VHT40)	CH102	1.13	11.00	11.00	Pass
11ac (VHT40)	CH118	3.62	11.00	11.00	Pass
11ac (VHT40)	CH134	2.11	11.00	11.00	Pass
11ac (VHT80)	CH106	-2.41	11.00	11.00	Pass
11ac (VHT80)	CH122	-3.30	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	IC Limit (dBm/500kHz)	Verdict
11a	CH149	7.09	30.00	30.00	Pass
11a	CH157	6.80	30.00	30.00	Pass
11a	CH165	6.44	30.00	30.00	Pass
11n (HT20)	CH149	6.70	30.00	30.00	Pass
11n (HT20)	CH157	6.53	30.00	30.00	Pass
11n (HT20)	CH165	6.21	30.00	30.00	Pass
11n (HT40)	CH151	2.69	30.00	30.00	Pass
11n (HT40)	CH159	2.64	30.00	30.00	Pass
11ac (VHT20)	CH149	6.61	30.00	30.00	Pass
11ac (VHT20)	CH157	6.62	30.00	30.00	Pass
11ac (VHT20)	CH165	6.01	30.00	30.00	Pass
11ac (VHT40)	CH151	2.70	30.00	30.00	Pass
11ac (VHT40)	CH159	2.59	30.00	30.00	Pass
11ac (VHT80)	CH155	-1.32	30.00	30.00	Pass

E.I.R.PSISO-Antenna 1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	8.27	10	Pass
11a	CH44	9.17	10	Pass
11a	CH48	9.13	10	Pass
11n(HT20)	CH36	8.14	10	Pass
11n(HT20)	CH44	8.83	10	Pass
11n(HT20)	CH48	8.78	10	Pass
11n(HT40)	CH38	3.36	10	Pass
11n(HT40)	CH46	6.99	10	Pass
11ac(VHT20)	CH36	7.99	10	Pass
11ac(VHT20)	CH44	8.88	10	Pass
11ac(VHT20)	CH48	8.77	10	Pass
11ac(VHT40)	CH38	3.31	10	Pass
11ac(VHT40)	CH46	7.18	10	Pass
11ac(VHT80)	CH42	-1.22	10	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	11.70	Pass
11a	CH60	11.44	Pass
11a	CH64	5.99	Pass
11n(HT20)	CH52	10.89	Pass
11n(HT20)	CH60	11.13	Pass
11n(HT20)	CH64	5.70	Pass
11n(HT40)	CH54	6.20	Pass
11n(HT40)	CH62	1.62	Pass
11ac(VHT20)	CH52	11.17	Pass
11ac(VHT20)	CH60	11.01	Pass
11ac(VHT20)	CH64	5.80	Pass
11ac(VHT40)	CH54	6.53	Pass
11ac(VHT40)	CH62	1.48	Pass
11ac(VHT80)	CH58	-1.85	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	8.23	Pass
11a	CH116	12.43	Pass
11a	CH140	4.95	Pass
11n(HT20)	CH100	6.01	Pass
11n(HT20)	CH116	12.22	Pass
11n(HT20)	CH140	4.89	Pass
11n(HT40)	CH102	5.29	Pass
11n(HT40)	CH118	7.68	Pass
11n(HT40)	CH134	6.43	Pass
11ac(VHT20)	CH100	6.10	Pass
11ac(VHT20)	CH116	12.22	Pass
11ac(VHT20)	CH140	3.61	Pass
11ac(VHT40)	CH102	5.37	Pass
11ac(VHT40)	CH118	7.86	Pass
11ac(VHT40)	CH134	6.35	Pass
11ac(VHT80)	CH106	1.84	Pass
11ac(VHT80)	CH122	0.94	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	11.34	Pass
11a	CH157	11.05	Pass
11a	CH165	10.69	Pass
11n(HT20)	CH149	10.95	Pass
11n(HT20)	CH157	10.78	Pass
11n(HT20)	CH165	10.46	Pass
11n(HT40)	CH151	6.94	Pass
11n(HT40)	CH159	6.89	Pass
11ac(VHT20)	CH149	10.86	Pass
11ac(VHT20)	CH157	10.87	Pass
11ac(VHT20)	CH165	10.26	Pass
11ac(VHT40)	CH151	6.95	Pass
11ac(VHT40)	CH159	6.84	Pass
11ac(VHT80)	CH155	2.93	Pass

A.5 Conducted Emissions

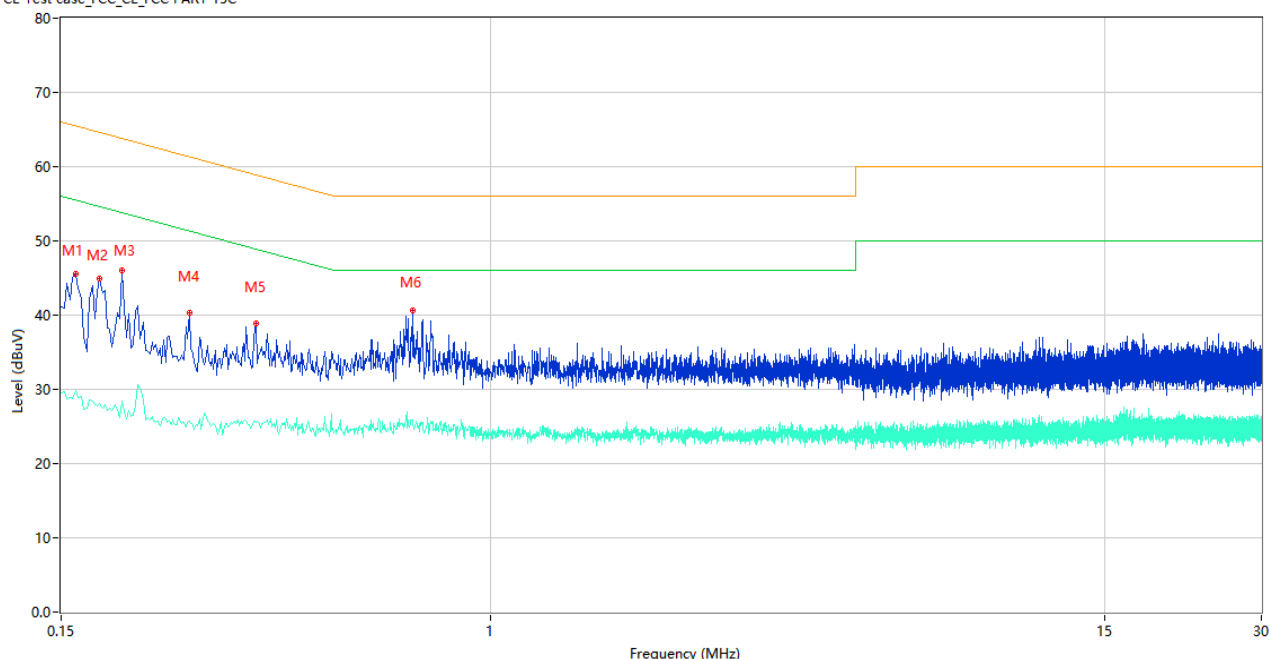
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

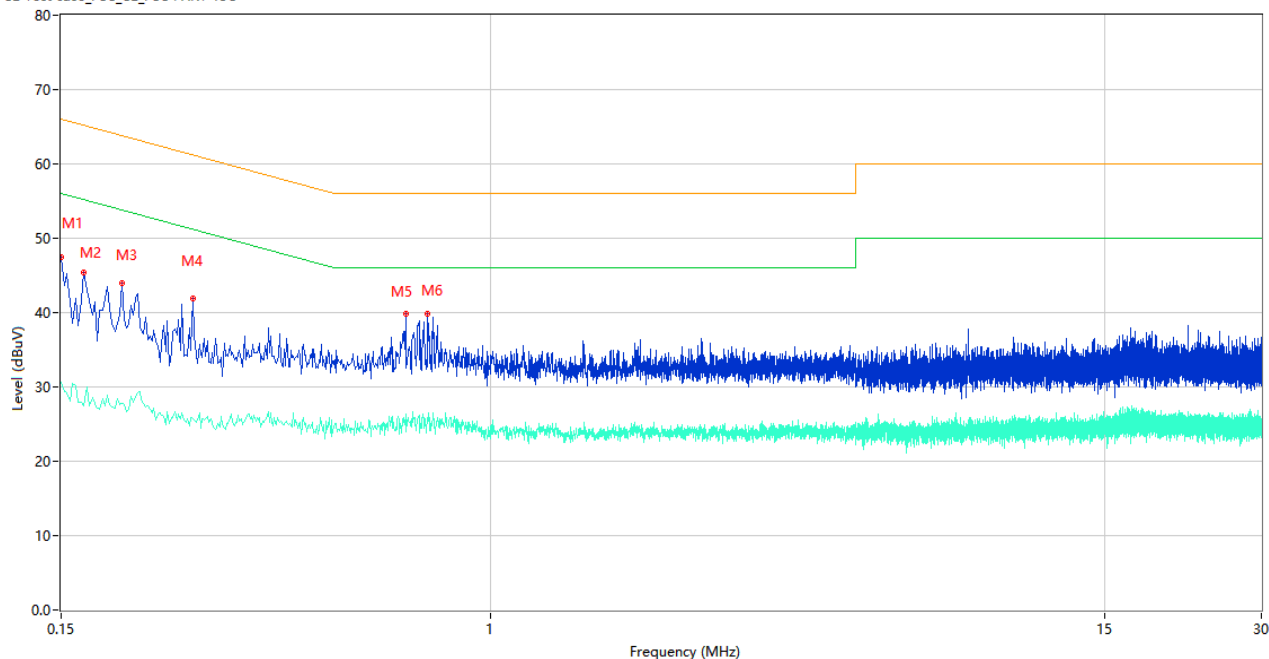
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	45.53	9.78	65.46	19.93	Peak	L	Pass
1**	0.160	29.79	9.78	55.46	25.67	AV	L	Pass
2	0.178	44.85	9.78	64.58	19.73	Peak	L	Pass
2**	0.178	28.10	9.78	54.58	26.48	AV	L	Pass
3	0.196	45.99	9.77	63.78	17.79	Peak	L	Pass
3**	0.196	28.45	9.77	53.78	25.33	AV	L	Pass
4	0.264	40.29	9.76	61.30	21.01	Peak	L	Pass
4**	0.264	25.75	9.76	51.30	25.55	AV	L	Pass
5	0.354	38.83	10.74	58.87	20.04	Peak	L	Pass
5**	0.354	25.50	10.74	48.87	23.37	AV	L	Pass
6	0.710	40.57	10.55	56.00	15.43	Peak	L	Pass
6**	0.710	25.40	10.55	46.00	20.60	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	47.47	9.78	66.00	18.53	Peak	N	Pass
1**	0.150	30.56	9.78	56.00	25.44	AV	N	Pass
2	0.166	45.36	9.78	65.16	19.80	Peak	N	Pass
2**	0.166	27.49	9.78	55.16	27.67	AV	N	Pass
3	0.196	43.89	9.77	63.78	19.89	Peak	N	Pass
3**	0.196	27.72	9.77	53.78	26.06	AV	N	Pass
4	0.268	41.97	9.76	61.18	19.21	Peak	N	Pass
4**	0.268	25.77	9.76	51.18	25.41	AV	N	Pass
5	0.686	39.84	10.54	56.00	16.16	Peak	N	Pass
5**	0.686	26.35	10.54	46.00	19.65	AV	N	Pass
6	0.756	39.86	10.22	56.00	16.14	Peak	N	Pass
6**	0.756	25.47	10.22	46.00	20.53	AV	N	Pass

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

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

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

Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

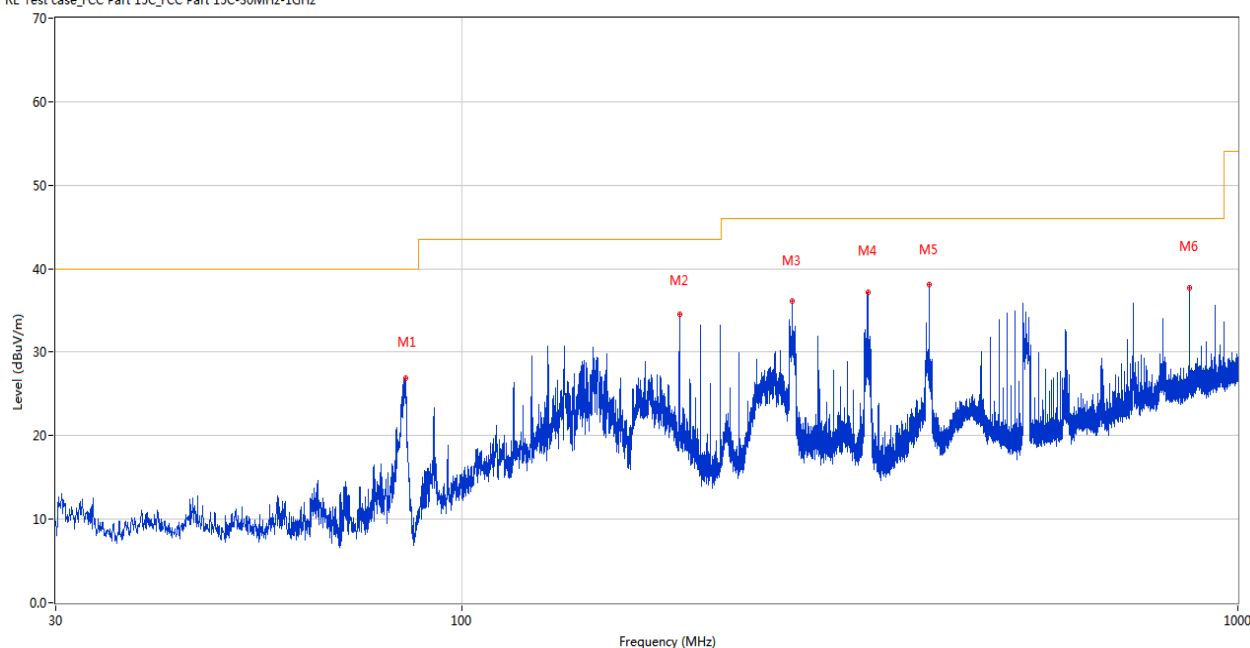
Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note⁵: 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

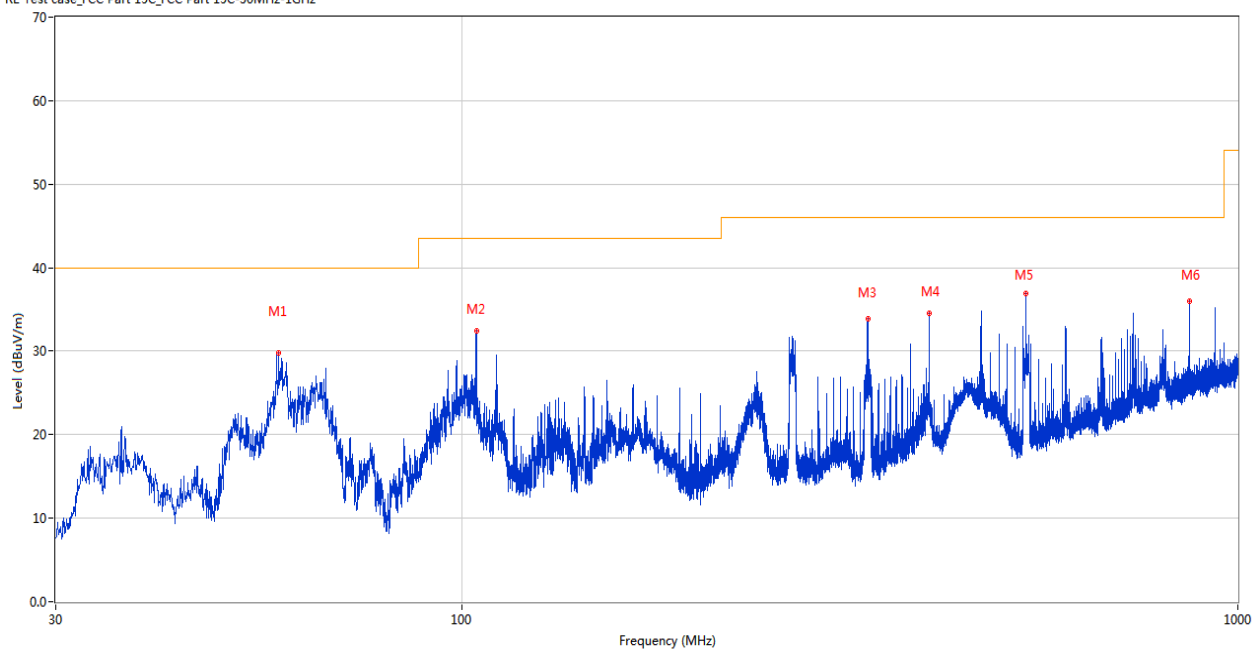
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	84.708	26.88	-30.53	40.0	13.12	Peak	351.00	200	Horizontal	Pass
2	190.826	34.50	-28.30	43.5	9.00	Peak	183.00	100	Horizontal	Pass
3	266.826	36.06	-26.11	46.0	9.94	Peak	360.00	100	Horizontal	Pass
4	333.513	37.13	-23.89	46.0	8.87	Peak	207.00	200	Horizontal	Pass
5	400.152	38.05	-21.35	46.0	7.95	Peak	217.00	200	Horizontal	Pass
6	867.062	37.69	-11.56	46.0	8.31	Peak	175.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.130	29.85	-27.65	40.0	10.15	Peak	184.00	100	Vertical	Pass
2	104.448	32.45	-29.49	43.5	11.05	Peak	348.00	100	Vertical	Pass
3	333.513	33.82	-23.89	46.0	12.18	Peak	301.00	100	Vertical	Pass
4	400.152	34.51	-21.35	46.0	11.49	Peak	216.00	100	Vertical	Pass
5	533.575	36.90	-18.53	46.0	9.10	Peak	178.00	100	Vertical	Pass
6	867.062	35.94	-11.56	46.0	10.06	Peak	324.00	200	Vertical	Pass

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

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

SISO-Antenna 1

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.100	43.90	-16.87	74.0	30.10	Peak	329.00	100	Horizontal	Pass
1**	1494.100	35.69	-16.87	54.0	18.31	AV	329.00	100	Horizontal	Pass
2	4380.600	51.28	-3.42	74.0	22.72	Peak	134.00	400	Horizontal	Pass
2**	4380.600	42.38	-3.42	54.0	11.62	AV	134.00	400	Horizontal	Pass
3	5180.200	109.63	-2.63	--	--	Peak	200.00	150	Horizontal	N/A
3**	5180.200	102.34	-2.63	--	--	AV	200.00	150	Horizontal	N/A
4	7373.463	50.34	-3.82	74.0	23.66	Peak	128.00	400	Horizontal	Pass
4**	7373.463	40.35	-3.82	54.0	13.65	AV	128.00	400	Horizontal	Pass
5	12609.412	53.44	1.89	74.0	20.56	Peak	46.00	200	Horizontal	Pass
5**	12609.412	43.56	1.89	54.0	10.44	AV	46.00	200	Horizontal	Pass
6	16096.088	55.76	1.30	74.0	18.24	Peak	318.00	200	Horizontal	Pass
6**	16096.088	46.52	1.30	54.0	7.48	AV	318.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.100	40.66	-16.86	74.0	33.34	Peak	328.00	400	Vertical	Pass
1**	1495.100	29.46	-16.86	54.0	24.54	AV	328.00	400	Vertical	Pass
2	3996.000	50.99	-4.43	74.0	23.01	Peak	240.00	100	Vertical	Pass
2**	3996.000	46.31	-4.43	54.0	7.69	AV	240.00	100	Vertical	Pass
3	5181.800	101.22	-2.62	--	--	Peak	146.00	100	Vertical	N/A
3**	5181.800	94.31	-2.62	--	--	AV	146.00	100	Vertical	N/A
4	7340.975	50.14	-3.07	74.0	23.86	Peak	266.00	300	Vertical	Pass
4**	7340.975	41.74	-3.07	54.0	12.26	AV	266.00	300	Vertical	Pass
5	12389.188	54.00	1.56	74.0	20.00	Peak	103.00	100	Vertical	Pass
5**	12389.188	44.70	1.56	54.0	9.30	AV	103.00	100	Vertical	Pass
6	15662.175	56.49	1.30	74.0	17.51	Peak	73.00	100	Vertical	Pass
6**	15662.175	47.03	1.30	54.0	6.97	AV	73.00	100	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	1581.300	42.15	-17.09	74.0	31.85	Peak	328.00	400	Horizontal	Pass
1**	1581.300	34.93	-17.09	54.0	19.07	AV	328.00	400	Horizontal	Pass
2	4381.800	50.28	-3.63	74.0	23.72	Peak	156.00	300	Horizontal	Pass
2**	4381.800	41.29	-3.63	54.0	12.71	AV	156.00	300	Horizontal	Pass
3	5221.400	110.39	-2.68	--	--	Peak	18.00	200	Horizontal	N/A
3**	5221.400	102.89	-2.68	--	--	AV	18.00	200	Horizontal	N/A
4	7326.600	49.87	-3.41	74.0	24.13	Peak	116.00	400	Horizontal	Pass
4**	7326.600	40.86	-3.41	54.0	13.14	AV	116.00	400	Horizontal	Pass
5	12362.738	53.40	1.19	74.0	20.60	Peak	298.00	200	Horizontal	Pass
5**	12362.738	43.80	1.19	54.0	10.20	AV	298.00	200	Horizontal	Pass
6	16045.688	56.65	0.74	74.0	17.35	Peak	15.00	400	Horizontal	Pass
6**	16045.688	47.34	0.74	54.0	6.66	AV	15.00	400	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	1491.700	39.81	-16.86	74.0	34.19	Peak	323.00	200	Vertical	Pass
1**	1491.700	30.62	-16.86	54.0	23.38	AV	323.00	200	Vertical	Pass
2	3996.200	50.48	-4.47	74.0	23.52	Peak	76.00	300	Vertical	Pass
2**	3996.200	46.67	-4.47	54.0	7.33	AV	76.00	300	Vertical	Pass
3	5219.000	97.53	-2.88	--	--	Peak	152.00	100	Vertical	N/A
3**	5219.000	90.61	-2.88	--	--	AV	152.00	100	Vertical	N/A
4	7321.138	50.07	-3.15	74.0	23.93	Peak	231.00	300	Vertical	Pass
4**	7321.138	40.28	-3.15	54.0	13.72	AV	231.00	300	Vertical	Pass
5	12248.887	53.55	0.97	74.0	20.45	Peak	97.00	200	Vertical	Pass
5**	12248.887	44.21	0.97	54.0	9.79	AV	97.00	200	Vertical	Pass
6	15831.750	56.63	1.48	74.0	17.37	Peak	54.00	200	Vertical	Pass
6**	15831.750	46.73	1.48	54.0	7.27	AV	54.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.600	43.09	-17.10	74.0	30.91	Peak	310.00	300	Horizontal	Pass
1**	1581.600	34.88	-17.10	54.0	19.12	AV	310.00	300	Horizontal	Pass
2	4378.800	50.79	-3.38	74.0	23.21	Peak	191.00	300	Horizontal	Pass
2**	4378.800	41.67	-3.38	54.0	12.33	AV	191.00	300	Horizontal	Pass
3	5239.200	110.04	-2.64	--	--	Peak	0.00	200	Horizontal	N/A
3**	5239.200	102.58	-2.64	--	--	AV	0.00	200	Horizontal	N/A
4	7349.600	50.01	-3.67	74.0	23.99	Peak	151.00	100	Horizontal	Pass
4**	7349.600	41.28	-3.67	54.0	12.72	AV	151.00	100	Horizontal	Pass
5	12286.262	53.63	1.75	74.0	20.37	Peak	118.00	200	Horizontal	Pass
5**	12286.262	44.12	1.75	54.0	9.88	AV	118.00	200	Horizontal	Pass
6	15391.537	56.18	0.59	74.0	17.82	Peak	34.00	300	Horizontal	Pass
6**	15391.537	47.57	0.59	54.0	6.43	AV	34.00	300	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	1494.600	41.89	-16.87	74.0	32.11	Peak	85.00	400	Vertical	Pass
1**	1494.600	30.10	-16.87	54.0	23.90	AV	85.00	400	Vertical	Pass
2	3996.400	51.54	-4.51	74.0	22.46	Peak	111.00	150	Vertical	Pass
2**	3996.400	48.62	-4.51	54.0	5.38	AV	111.00	150	Vertical	Pass
3	5242.200	100.26	-2.44	--	--	Peak	154.00	150	Vertical	N/A
3**	5242.200	92.77	-2.44	--	--	AV	154.00	150	Vertical	N/A
4	7381.225	50.05	-3.41	74.0	23.95	Peak	250.00	300	Vertical	Pass
4**	7381.225	39.89	-3.41	54.0	14.11	AV	250.00	300	Vertical	Pass
5	11947.875	53.62	1.46	74.0	20.38	Peak	330.00	100	Vertical	Pass
5**	11947.875	43.49	1.46	54.0	10.51	AV	330.00	100	Vertical	Pass
6	15798.938	55.45	2.30	74.0	18.55	Peak	53.00	400	Vertical	Pass
6**	15798.938	47.68	2.30	54.0	6.32	AV	53.00	400	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	1498.200	43.82	-17.21	74.0	30.18	Peak	0.00	300	Horizontal	Pass
1**	1498.200	31.81	-17.21	54.0	22.19	AV	0.00	300	Horizontal	Pass
2	2747.500	50.74	-10.63	74.0	23.26	Peak	360.00	150	Horizontal	Pass
2**	2747.500	47.49	-10.63	54.0	6.51	AV	360.00	150	Horizontal	Pass
3	5179.600	109.15	-2.59	--	--	Peak	0.00	150	Horizontal	N/A
3**	5179.600	102.27	-2.59	--	--	AV	0.00	150	Horizontal	N/A
4	7448.212	50.23	-3.27	74.0	23.77	Peak	236.00	200	Horizontal	Pass
4**	7448.212	41.27	-3.27	54.0	12.73	AV	236.00	200	Horizontal	Pass
5	11940.112	53.39	1.68	74.0	20.61	Peak	23.00	150	Horizontal	Pass
5**	11940.112	44.46	1.68	54.0	9.54	AV	23.00	150	Horizontal	Pass
6	15576.600	56.04	1.42	74.0	17.96	Peak	279.00	200	Horizontal	Pass
6**	15576.600	45.22	1.42	54.0	8.78	AV	279.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.600	40.57	-17.06	74.0	33.43	Peak	82.00	300	Vertical	Pass
1**	1502.600	29.39	-17.06	54.0	24.61	AV	82.00	300	Vertical	Pass
2	4390.600	50.27	-3.33	74.0	23.73	Peak	121.00	400	Vertical	Pass
2**	4390.600	42.23	-3.33	54.0	11.77	AV	121.00	400	Vertical	Pass
3	5180.000	100.55	-2.62	--	--	Peak	174.00	100	Vertical	N/A
3**	5180.000	93.04	-2.62	--	--	AV	174.00	100	Vertical	N/A
4	7627.612	50.40	-2.79	74.0	23.60	Peak	249.00	300	Vertical	Pass
4**	7627.612	41.24	-2.79	54.0	12.76	AV	249.00	300	Vertical	Pass
5	11423.188	53.25	-0.09	74.0	20.75	Peak	54.00	150	Vertical	Pass
5**	11423.188	42.62	-0.09	54.0	11.38	AV	54.00	150	Vertical	Pass
6	16079.549	56.09	1.63	74.0	17.91	Peak	268.00	100	Vertical	Pass
6**	16079.549	46.51	1.63	54.0	7.49	AV	268.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.000	42.66	-16.97	74.0	31.34	Peak	102.00	200	Horizontal	Pass
1**	1483.000	30.18	-16.97	54.0	23.82	AV	102.00	200	Horizontal	Pass
2	4366.200	50.24	-3.86	74.0	23.76	Peak	21.00	100	Horizontal	Pass
2**	4366.200	42.12	-3.86	54.0	11.88	AV	21.00	100	Horizontal	Pass
3	5220.200	109.59	-2.78	--	--	Peak	8.00	200	Horizontal	N/A
3**	5220.200	102.42	-2.78	--	--	AV	8.00	200	Horizontal	N/A
4	7331.775	50.13	-3.31	74.0	23.87	Peak	347.00	400	Horizontal	Pass
4**	7331.775	40.50	-3.31	54.0	13.50	AV	347.00	400	Horizontal	Pass
5	12608.263	54.43	1.90	74.0	19.57	Peak	314.00	200	Horizontal	Pass
5**	12608.263	45.10	1.90	54.0	8.90	AV	314.00	200	Horizontal	Pass
6	16128.900	56.02	0.97	74.0	17.98	Peak	203.00	400	Horizontal	Pass
6**	16128.900	45.95	0.97	54.0	8.05	AV	203.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.100	41.31	-17.36	74.0	32.69	Peak	113.00	100	Vertical	Pass
1**	1467.100	33.58	-17.36	54.0	20.42	AV	113.00	100	Vertical	Pass
2	4366.800	50.37	-3.83	74.0	23.63	Peak	198.00	400	Vertical	Pass
2**	4366.800	40.93	-3.83	54.0	13.07	AV	198.00	400	Vertical	Pass
3	5218.800	101.61	-2.86	--	--	Peak	163.00	150	Vertical	N/A
3**	5218.800	93.88	-2.86	--	--	AV	163.00	150	Vertical	N/A
4	7523.537	49.67	-3.17	74.0	24.33	Peak	276.00	200	Vertical	Pass
4**	7523.537	39.63	-3.17	54.0	14.37	AV	276.00	200	Vertical	Pass
5	12277.638	54.25	1.72	74.0	19.75	Peak	307.00	150	Vertical	Pass
5**	12277.638	44.55	1.72	54.0	9.45	AV	307.00	150	Vertical	Pass
6	16101.599	56.21	1.13	74.0	17.79	Peak	199.00	100	Vertical	Pass
6**	16101.599	47.93	1.13	54.0	6.07	AV	199.00	100	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	1500.100	42.57	-16.92	74.0	31.43	Peak	334.00	100	Horizontal	Pass
1**	1500.100	30.86	-16.92	54.0	23.14	AV	334.00	100	Horizontal	Pass
2	4386.600	50.20	-3.30	74.0	23.80	Peak	72.00	300	Horizontal	Pass
2**	4386.600	41.57	-3.30	54.0	12.43	AV	72.00	300	Horizontal	Pass
3	5241.400	109.11	-2.57	--	--	Peak	360.00	100	Horizontal	N/A
3**	5241.400	103.07	-2.57	--	--	AV	360.00	100	Horizontal	N/A
4	7733.412	50.12	-2.35	74.0	23.88	Peak	65.00	300	Horizontal	Pass
4**	7733.412	40.35	-2.35	54.0	13.65	AV	65.00	300	Horizontal	Pass
5	12280.800	53.50	1.80	74.0	20.50	Peak	0.00	200	Horizontal	Pass
5**	12280.800	44.13	1.80	54.0	9.87	AV	0.00	200	Horizontal	Pass
6	15829.387	56.57	1.51	74.0	17.43	Peak	57.00	400	Horizontal	Pass
6**	15829.387	46.60	1.51	54.0	7.40	AV	57.00	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	1508.800	40.54	-17.15	74.0	33.46	Peak	113.00	100	Vertical	Pass
1**	1508.800	29.68	-17.15	54.0	24.32	AV	113.00	100	Vertical	Pass
2	4388.200	51.32	-3.41	74.0	22.68	Peak	129.00	400	Vertical	Pass
2**	4388.200	41.75	-3.41	54.0	12.25	AV	129.00	400	Vertical	Pass
3	5240.800	100.71	-2.67	--	--	Peak	162.00	100	Vertical	N/A
3**	5240.800	93.94	-2.67	--	--	AV	162.00	100	Vertical	N/A
4	7634.225	50.27	-2.95	74.0	23.73	Peak	104.00	300	Vertical	Pass
4**	7634.225	40.28	-2.95	54.0	13.72	AV	104.00	300	Vertical	Pass
5	12614.875	53.32	1.88	74.0	20.68	Peak	327.00	100	Vertical	Pass
5**	12614.875	44.05	1.88	54.0	9.95	AV	327.00	100	Vertical	Pass
6	15676.088	55.91	1.55	74.0	18.09	Peak	198.00	100	Vertical	Pass
6**	15676.088	46.20	1.55	54.0	7.80	AV	198.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.700	44.23	-17.18	74.0	29.77	Peak	328.00	100	Horizontal	Pass
1**	1498.700	34.31	-17.18	54.0	19.69	AV	328.00	100	Horizontal	Pass
2	2747.200	51.77	-10.65	74.0	22.23	Peak	345.00	150	Horizontal	Pass
2**	2747.200	49.37	-10.65	54.0	4.63	AV	345.00	150	Horizontal	Pass
3	4392.200	50.46	-3.53	74.0	23.54	Peak	163.00	200	Horizontal	Pass
3**	4392.200	41.99	-3.53	54.0	12.01	AV	163.00	200	Horizontal	Pass
4	5191.600	105.44	-2.25	--	--	Peak	18.00	150	Horizontal	N/A
4**	5191.600	98.09	-2.25	--	--	AV	18.00	150	Horizontal	N/A
5	7364.263	49.87	-3.56	74.0	24.13	Peak	200.00	100	Horizontal	Pass
5**	7364.263	40.25	-3.56	54.0	13.75	AV	200.00	100	Horizontal	Pass
6	15622.537	56.71	1.68	74.0	17.29	Peak	34.00	400	Horizontal	Pass
6**	15622.537	46.04	1.68	54.0	7.96	AV	34.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.800	40.92	-17.13	74.0	33.08	Peak	69.00	200	Vertical	Pass
1**	1497.800	30.76	-17.13	54.0	23.24	AV	69.00	200	Vertical	Pass
2	4386.000	51.30	-3.30	74.0	22.70	Peak	360.00	200	Vertical	Pass
2**	4386.000	41.76	-3.30	54.0	12.24	AV	360.00	200	Vertical	Pass
3	5192.200	97.01	-2.30	--	--	Peak	162.00	100	Vertical	N/A
3**	5192.200	88.55	-2.30	--	--	AV	162.00	100	Vertical	N/A
4	7441.312	49.95	-3.43	74.0	24.05	Peak	278.00	300	Vertical	Pass
4**	7441.312	40.87	-3.43	54.0	13.13	AV	278.00	300	Vertical	Pass
5	12281.950	53.54	1.79	74.0	20.46	Peak	207.00	150	Vertical	Pass
5**	12281.950	44.33	1.79	54.0	9.67	AV	207.00	150	Vertical	Pass
6	15807.075	55.92	2.23	74.0	18.08	Peak	20.00	300	Vertical	Pass
6**	15807.075	46.32	2.23	54.0	7.68	AV	20.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.500	43.37	-16.95	74.0	30.63	Peak	340.00	300	Horizontal	Pass
1**	1501.500	30.79	-16.95	54.0	23.21	AV	340.00	300	Horizontal	Pass
2	4296.800	50.89	-4.00	74.0	23.11	Peak	0.00	200	Horizontal	Pass
2**	4296.800	41.71	-4.00	54.0	12.29	AV	0.00	200	Horizontal	Pass
3	5231.400	106.62	-2.56	--	--	Peak	360.00	150	Horizontal	N/A
3**	5231.400	99.96	-2.56	--	--	AV	360.00	150	Horizontal	N/A
4	7438.725	49.71	-3.49	74.0	24.29	Peak	360.00	400	Horizontal	Pass
4**	7438.725	41.02	-3.49	54.0	12.98	AV	360.00	400	Horizontal	Pass
5	11991.862	53.33	1.16	74.0	20.67	Peak	360.00	200	Horizontal	Pass
5**	11991.862	43.72	1.16	54.0	10.28	AV	360.00	200	Horizontal	Pass
6	15824.400	55.94	1.67	74.0	18.06	Peak	132.00	150	Horizontal	Pass
6**	15824.400	45.93	1.67	54.0	8.07	AV	132.00	150	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	1481.400	40.96	-17.13	74.0	33.04	Peak	109.00	100	Vertical	Pass
1**	1481.400	31.03	-17.13	54.0	22.97	AV	109.00	100	Vertical	Pass
2	3996.200	51.80	-4.47	74.0	22.20	Peak	91.00	200	Vertical	Pass
2**	3996.200	42.95	-4.47	54.0	11.05	AV	91.00	200	Vertical	Pass
3	5228.400	98.11	-2.71	--	--	Peak	157.00	150	Vertical	N/A
3**	5228.400	90.10	-2.71	--	--	AV	157.00	150	Vertical	N/A
4	7340.687	50.20	-3.04	74.0	23.80	Peak	344.00	300	Vertical	Pass
4**	7340.687	42.27	-3.04	54.0	11.73	AV	344.00	300	Vertical	Pass
5	12280.800	54.13	1.80	74.0	19.87	Peak	138.00	150	Vertical	Pass
5**	12280.800	44.90	1.80	54.0	9.10	AV	138.00	150	Vertical	Pass
6	16077.450	56.13	1.59	74.0	17.87	Peak	203.00	200	Vertical	Pass
6**	16077.450	47.67	1.59	54.0	6.33	AV	203.00	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	1500.400	44.41	-16.86	74.0	29.59	Peak	337.00	400	Horizontal	Pass
1**	1500.400	30.47	-16.86	54.0	23.53	AV	337.00	400	Horizontal	Pass
2	4352.000	50.21	-4.44	74.0	23.79	Peak	340.00	100	Horizontal	Pass
2**	4352.000	40.82	-4.44	54.0	13.18	AV	340.00	100	Horizontal	Pass
3	5179.400	109.12	-2.57	--	--	Peak	0.00	100	Horizontal	N/A
3**	5179.400	102.18	-2.57	--	--	AV	0.00	100	Horizontal	N/A
4	7466.900	50.15	-3.28	74.0	23.85	Peak	295.00	300	Horizontal	Pass
4**	7466.900	40.92	-3.28	54.0	13.08	AV	295.00	300	Horizontal	Pass
5	12281.088	53.91	1.80	74.0	20.09	Peak	138.00	150	Horizontal	Pass
5**	12281.088	44.01	1.80	54.0	9.99	AV	138.00	150	Horizontal	Pass
6	16079.813	56.23	1.64	74.0	17.77	Peak	21.00	400	Horizontal	Pass
6**	16079.813	46.94	1.64	54.0	7.06	AV	21.00	400	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	1467.400	40.71	-17.36	74.0	33.29	Peak	120.00	200	Vertical	Pass
1**	1467.400	34.72	-17.36	54.0	19.28	AV	120.00	200	Vertical	Pass
2	3996.600	49.95	-4.54	74.0	24.05	Peak	122.00	150	Vertical	Pass
2**	3996.600	48.46	-4.54	54.0	5.54	AV	122.00	150	Vertical	Pass
3	5181.200	100.94	-2.66	--	--	Peak	132.00	200	Vertical	N/A
3**	5181.200	93.85	-2.66	--	--	AV	132.00	200	Vertical	N/A
4	7710.700	50.15	-2.29	74.0	23.85	Peak	125.00	300	Vertical	Pass
4**	7710.700	39.96	-2.29	54.0	14.04	AV	125.00	300	Vertical	Pass
5	12321.912	53.88	1.42	74.0	20.12	Peak	206.00	200	Vertical	Pass
5**	12321.912	44.18	1.42	54.0	9.82	AV	206.00	200	Vertical	Pass
6	15506.250	55.75	1.32	74.0	18.25	Peak	23.00	150	Vertical	Pass
6**	15506.250	46.18	1.32	54.0	7.82	AV	23.00	150	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	1500.300	45.66	-16.88	74.0	28.34	Peak	149.00	300	Horizontal	Pass
1**	1500.300	33.39	-16.88	54.0	20.61	AV	149.00	300	Horizontal	Pass
2	4397.400	50.61	-4.21	74.0	23.39	Peak	269.00	300	Horizontal	Pass
2**	4397.400	41.14	-4.21	54.0	12.86	AV	269.00	300	Horizontal	Pass
3	5221.400	110.00	-2.68	--	--	Peak	360.00	200	Horizontal	N/A
3**	5221.400	102.61	-2.68	--	--	AV	360.00	200	Horizontal	N/A
4	7435.275	50.34	-3.46	74.0	23.66	Peak	179.00	300	Horizontal	Pass
4**	7435.275	40.61	-3.46	54.0	13.39	AV	179.00	300	Horizontal	Pass
5	12285.400	53.65	1.77	74.0	20.35	Peak	360.00	150	Horizontal	Pass
5**	12285.400	44.28	1.77	54.0	9.72	AV	360.00	150	Horizontal	Pass
6	15811.013	56.73	2.14	74.0	17.27	Peak	132.00	150	Horizontal	Pass
6**	15811.013	46.56	2.14	54.0	7.44	AV	132.00	150	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	1482.000	41.83	-17.07	74.0	32.17	Peak	71.00	100	Vertical	Pass
1**	1482.000	30.25	-17.07	54.0	23.75	AV	71.00	100	Vertical	Pass
2	3995.800	51.48	-4.39	74.0	22.52	Peak	18.00	100	Vertical	Pass
2**	3995.800	43.77	-4.39	54.0	10.23	AV	18.00	100	Vertical	Pass
3	5219.200	100.92	-2.88	--	--	Peak	158.00	150	Vertical	N/A
3**	5219.200	94.81	-2.88	--	--	AV	158.00	150	Vertical	N/A
4	7341.263	49.84	-3.09	74.0	24.16	Peak	0.00	200	Vertical	Pass
4**	7341.263	41.29	-3.09	54.0	12.71	AV	0.00	200	Vertical	Pass
5	12602.225	53.85	1.91	74.0	20.15	Peak	310.00	150	Vertical	Pass
5**	12602.225	44.03	1.91	54.0	9.97	AV	310.00	150	Vertical	Pass
6	16041.224	56.40	0.79	74.0	17.60	Peak	120.00	200	Vertical	Pass
6**	16041.224	48.47	0.79	54.0	5.53	AV	120.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.800	42.60	-16.79	74.0	31.40	Peak	344.00	100	Horizontal	Pass
1**	1490.800	30.34	-16.79	54.0	23.66	AV	344.00	100	Horizontal	Pass
2	4369.800	50.43	-4.01	74.0	23.57	Peak	96.00	200	Horizontal	Pass
2**	4369.800	41.01	-4.01	54.0	12.99	AV	96.00	200	Horizontal	Pass
3	5239.800	108.95	-2.70	--	--	Peak	360.00	200	Horizontal	N/A
3**	5239.800	103.06	-2.70	--	--	AV	360.00	200	Horizontal	N/A
4	7334.938	50.06	-3.24	74.0	23.94	Peak	102.00	300	Horizontal	Pass
4**	7334.938	41.50	-3.24	54.0	12.50	AV	102.00	300	Horizontal	Pass
5	11508.000	53.46	-0.17	74.0	20.54	Peak	0.00	100	Horizontal	Pass
5**	11508.000	44.41	-0.17	54.0	9.59	AV	0.00	100	Horizontal	Pass
6	15855.638	56.09	1.16	74.0	17.91	Peak	38.00	200	Horizontal	Pass
6**	15855.638	47.81	1.16	54.0	6.19	AV	38.00	200	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	1467.200	39.77	-17.36	74.0	34.23	Peak	90.00	200	Vertical	Pass
1**	1467.200	34.21	-17.36	54.0	19.79	AV	90.00	200	Vertical	Pass
2	3996.000	52.70	-4.43	74.0	21.30	Peak	119.00	150	Vertical	Pass
2**	3996.000	49.52	-4.43	54.0	4.48	AV	119.00	150	Vertical	Pass
3	5239.200	101.06	-2.64	--	--	Peak	142.00	200	Vertical	N/A
3**	5239.200	93.13	-2.64	--	--	AV	142.00	200	Vertical	N/A
4	7270.825	49.90	-3.02	74.0	24.10	Peak	54.00	300	Vertical	Pass
4**	7270.825	40.66	-3.02	54.0	13.34	AV	54.00	300	Vertical	Pass
5	12277.349	53.78	1.71	74.0	20.22	Peak	359.00	100	Vertical	Pass
5**	12277.349	44.58	1.71	54.0	9.42	AV	359.00	100	Vertical	Pass
6	15831.750	56.34	1.48	74.0	17.66	Peak	343.00	100	Vertical	Pass
6**	15831.750	47.41	1.48	54.0	6.59	AV	343.00	100	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	1507.700	43.06	-16.96	74.0	30.94	Peak	337.00	100	Horizontal	Pass
1**	1507.700	33.57	-16.96	54.0	20.43	AV	337.00	100	Horizontal	Pass
2	4380.800	50.27	-3.46	74.0	23.73	Peak	0.00	300	Horizontal	Pass
2**	4380.800	41.31	-3.46	54.0	12.69	AV	0.00	300	Horizontal	Pass
3	5191.600	105.28	-2.25	--	--	Peak	295.00	100	Horizontal	N/A
3**	5191.600	98.56	-2.25	--	--	AV	295.00	100	Horizontal	N/A
4	7395.313	50.44	-3.91	74.0	23.56	Peak	15.00	400	Horizontal	Pass
4**	7395.313	40.25	-3.91	54.0	13.75	AV	15.00	400	Horizontal	Pass
5	12267.000	53.15	1.35	74.0	20.85	Peak	360.00	150	Horizontal	Pass
5**	12267.000	43.63	1.35	54.0	10.37	AV	360.00	150	Horizontal	Pass
6	16033.350	56.26	0.74	74.0	17.74	Peak	211.00	100	Horizontal	Pass
6**	16033.350	46.61	0.74	54.0	7.39	AV	211.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.700	39.77	-17.37	74.0	34.23	Peak	82.00	200	Vertical	Pass
1**	1466.700	31.34	-17.37	54.0	22.66	AV	82.00	200	Vertical	Pass
2	3996.000	51.43	-4.43	74.0	22.57	Peak	199.00	100	Vertical	Pass
2**	3996.000	46.45	-4.43	54.0	7.55	AV	199.00	100	Vertical	Pass
3	5191.600	97.31	-2.25	--	--	Peak	154.00	100	Vertical	N/A
3**	5191.600	90.08	-2.25	--	--	AV	154.00	100	Vertical	N/A
4	7593.688	50.54	-3.06	74.0	23.46	Peak	104.00	400	Vertical	Pass
4**	7593.688	40.37	-3.06	54.0	13.63	AV	104.00	400	Vertical	Pass
5	12498.725	53.07	1.65	74.0	20.93	Peak	243.00	200	Vertical	Pass
5**	12498.725	43.32	1.65	54.0	10.68	AV	243.00	200	Vertical	Pass
6	15797.625	56.12	2.26	74.0	17.88	Peak	272.00	400	Vertical	Pass
6**	15797.625	47.13	2.26	54.0	6.87	AV	272.00	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	1581.800	43.17	-17.10	74.0	30.83	Peak	206.00	100	Horizontal	Pass
1**	1581.800	37.89	-17.10	54.0	16.11	AV	206.00	100	Horizontal	Pass
2	4380.400	50.32	-3.39	74.0	23.68	Peak	142.00	300	Horizontal	Pass
2**	4380.400	42.63	-3.39	54.0	11.37	AV	142.00	300	Horizontal	Pass
3	5231.600	105.97	-2.57	--	--	Peak	351.00	150	Horizontal	N/A
3**	5231.600	98.83	-2.57	--	--	AV	351.00	150	Horizontal	N/A
4	7363.687	50.03	-3.69	74.0	23.97	Peak	278.00	100	Horizontal	Pass
4**	7363.687	40.76	-3.69	54.0	13.24	AV	278.00	100	Horizontal	Pass
5	11948.738	52.82	1.43	74.0	21.18	Peak	207.00	150	Horizontal	Pass
5**	11948.738	43.52	1.43	54.0	10.48	AV	207.00	150	Horizontal	Pass
6	16080.862	56.42	1.62	74.0	17.58	Peak	11.00	200	Horizontal	Pass
6**	16080.862	46.93	1.62	54.0	7.07	AV	11.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.100	40.27	-17.36	74.0	33.73	Peak	143.00	300	Vertical	Pass
1**	1467.100	33.42	-17.36	54.0	20.58	AV	143.00	300	Vertical	Pass
2	3995.800	52.33	-4.39	74.0	21.67	Peak	316.00	100	Vertical	Pass
2**	3995.800	46.79	-4.39	54.0	7.21	AV	316.00	100	Vertical	Pass
3	5231.400	98.00	-2.56	--	--	Peak	153.00	150	Vertical	N/A
3**	5231.400	90.73	-2.56	--	--	AV	153.00	150	Vertical	N/A
4	7630.488	50.75	-2.93	74.0	23.25	Peak	30.00	300	Vertical	Pass
4**	7630.488	41.30	-2.93	54.0	12.70	AV	30.00	300	Vertical	Pass
5	11778.537	53.04	1.25	74.0	20.96	Peak	79.00	150	Vertical	Pass
5**	11778.537	42.93	1.25	54.0	11.07	AV	79.00	150	Vertical	Pass
6	15454.537	56.21	1.49	74.0	17.79	Peak	76.00	150	Vertical	Pass
6**	15454.537	45.27	1.49	54.0	8.73	AV	76.00	150	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	1581.700	45.98	-17.10	74.0	28.02	Peak	202.00	400	Horizontal	Pass
1**	1581.700	29.68	-17.10	54.0	24.32	AV	202.00	400	Horizontal	Pass
2	4396.000	50.35	-3.96	74.0	23.65	Peak	82.00	400	Horizontal	Pass
2**	4396.000	41.11	-3.96	54.0	12.89	AV	82.00	400	Horizontal	Pass
3	5211.600	102.91	-2.22	--	--	Peak	353.00	100	Horizontal	N/A
3**	5211.600	96.16	-2.22	--	--	AV	353.00	100	Horizontal	N/A
4	7386.113	49.62	-3.92	74.0	24.38	Peak	295.00	300	Horizontal	Pass
4**	7386.113	40.68	-3.92	54.0	13.32	AV	295.00	300	Horizontal	Pass
5	12307.250	53.92	1.38	74.0	20.08	Peak	113.00	150	Horizontal	Pass
5**	12307.250	43.73	1.38	54.0	10.27	AV	113.00	150	Horizontal	Pass
6	16038.600	56.08	0.79	74.0	17.92	Peak	120.00	150	Horizontal	Pass
6**	16038.600	46.95	0.79	54.0	7.05	AV	120.00	150	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	1499.100	40.29	-17.10	74.0	33.71	Peak	79.00	300	Vertical	Pass
1**	1499.100	30.36	-17.10	54.0	23.64	AV	79.00	300	Vertical	Pass
2	3996.400	51.61	-4.51	74.0	22.39	Peak	116.00	150	Vertical	Pass
2**	3996.400	50.06	-4.51	54.0	3.94	AV	116.00	150	Vertical	Pass
3	5212.200	94.60	-2.18	--	--	Peak	158.00	100	Vertical	N/A
3**	5212.200	86.98	-2.18	--	--	AV	158.00	100	Vertical	N/A
4	7384.100	49.67	-3.59	74.0	24.33	Peak	0.00	100	Vertical	Pass
4**	7384.100	40.64	-3.59	54.0	13.36	AV	0.00	100	Vertical	Pass
5	12420.237	53.86	1.39	74.0	20.14	Peak	236.00	100	Vertical	Pass
5**	12420.237	43.51	1.39	54.0	10.49	AV	236.00	100	Vertical	Pass
6	16051.200	56.25	0.74	74.0	17.75	Peak	125.00	100	Vertical	Pass
6**	16051.200	46.35	0.74	54.0	7.65	AV	125.00	100	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	1498.300	45.09	-17.23	74.0	28.91	Peak	360.00	400	Horizontal	Pass
1**	1498.300	30.95	-17.23	54.0	23.05	AV	360.00	400	Horizontal	Pass
2	2747.600	52.12	-10.62	74.0	21.88	Peak	197.00	150	Horizontal	Pass
2**	2747.600	50.01	-10.62	54.0	3.99	AV	197.00	150	Horizontal	Pass
3	5258.000	110.96	-1.77	--	--	Peak	353.00	200	Horizontal	N/A
3**	5258.000	102.60	-1.77	--	--	AV	353.00	200	Horizontal	N/A
4	7358.800	49.57	-3.76	74.0	24.43	Peak	203.00	400	Horizontal	Pass
4**	7358.800	41.11	-3.76	54.0	12.89	AV	203.00	400	Horizontal	Pass
5	12293.450	53.47	1.60	74.0	20.53	Peak	319.00	100	Horizontal	Pass
5**	12293.450	44.15	1.60	54.0	9.85	AV	319.00	100	Horizontal	Pass
6	16072.200	56.39	1.43	74.0	17.61	Peak	19.00	400	Horizontal	Pass
6**	16072.200	47.48	1.43	54.0	6.52	AV	19.00	400	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	1493.300	41.63	-16.88	74.0	32.37	Peak	116.00	100	Vertical	Pass
1**	1493.300	29.90	-16.88	54.0	24.10	AV	116.00	100	Vertical	Pass
2	3995.800	52.81	-4.39	74.0	21.19	Peak	0.00	200	Vertical	Pass
2**	3995.800	45.18	-4.39	54.0	8.82	AV	0.00	200	Vertical	Pass
3	5259.200	103.65	-1.76	--	--	Peak	155.00	100	Vertical	N/A
3**	5259.200	96.65	-1.76	--	--	AV	155.00	100	Vertical	N/A
4	7674.763	49.60	-2.43	74.0	24.40	Peak	207.00	400	Vertical	Pass
4**	7674.763	40.18	-2.43	54.0	13.82	AV	207.00	400	Vertical	Pass
5	12311.276	53.37	1.38	74.0	20.63	Peak	255.00	200	Vertical	Pass
5**	12311.276	44.53	1.38	54.0	9.47	AV	255.00	200	Vertical	Pass
6	15804.975	55.91	2.27	74.0	18.09	Peak	137.00	300	Vertical	Pass
6**	15804.975	47.69	2.27	54.0	6.31	AV	137.00	300	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	1499.400	42.97	-17.05	74.0	31.03	Peak	329.00	400	Horizontal	Pass
1**	1499.400	31.76	-17.05	54.0	22.24	AV	329.00	400	Horizontal	Pass
2	2747.400	42.23	-10.64	74.0	31.77	Peak	317.00	150	Horizontal	Pass
2**	2747.400	46.33	-10.64	54.0	7.67	AV	317.00	150	Horizontal	Pass
3	5301.600	110.51	-2.77	--	--	Peak	360.00	150	Horizontal	N/A
3**	5301.600	103.05	-2.77	--	--	AV	360.00	150	Horizontal	N/A
4	7378.062	49.84	-3.46	74.0	24.16	Peak	29.00	400	Horizontal	Pass
4**	7378.062	40.22	-3.46	54.0	13.78	AV	29.00	400	Horizontal	Pass
5	12356.987	53.31	1.17	74.0	20.69	Peak	95.00	150	Horizontal	Pass
5**	12356.987	43.84	1.17	54.0	10.16	AV	95.00	150	Horizontal	Pass
6	15801.825	55.80	2.31	74.0	18.20	Peak	267.00	200	Horizontal	Pass
6**	15801.825	47.12	2.31	54.0	6.88	AV	267.00	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	1485.600	39.94	-16.65	74.0	34.06	Peak	93.00	400	Vertical	Pass
1**	1485.600	29.89	-16.65	54.0	24.11	AV	93.00	400	Vertical	Pass
2	3996.400	50.67	-4.51	74.0	23.33	Peak	188.00	150	Vertical	Pass
2**	3996.400	47.79	-4.51	54.0	6.21	AV	188.00	150	Vertical	Pass
3	5299.000	100.97	-2.92	--	--	Peak	144.00	200	Vertical	N/A
3**	5299.000	93.49	-2.92	--	--	AV	144.00	200	Vertical	N/A
4	7628.188	50.24	-2.87	74.0	23.76	Peak	112.00	100	Vertical	Pass
4**	7628.188	39.98	-2.87	54.0	14.02	AV	112.00	100	Vertical	Pass
5	11531.575	54.15	-0.56	74.0	19.85	Peak	46.00	100	Vertical	Pass
5**	11531.575	43.95	-0.56	54.0	10.05	AV	46.00	100	Vertical	Pass
6	15799.987	56.11	2.33	74.0	17.89	Peak	173.00	200	Vertical	Pass
6**	15799.987	46.82	2.33	54.0	7.18	AV	173.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.700	42.38	-17.18	74.0	31.62	Peak	0.00	100	Horizontal	Pass
1**	1498.700	29.78	-17.18	54.0	24.22	AV	0.00	100	Horizontal	Pass
2	2747.200	51.00	-10.65	74.0	23.00	Peak	360.00	150	Horizontal	Pass
2**	2747.200	36.72	-10.65	54.0	17.28	AV	360.00	150	Horizontal	Pass
3	5319.000	110.91	-2.33	--	--	Peak	0.00	150	Horizontal	N/A
3**	5319.000	103.34	-2.33	--	--	AV	0.00	150	Horizontal	N/A
4	7727.088	49.58	-2.50	74.0	24.42	Peak	0.00	200	Horizontal	Pass
4**	7727.088	39.88	-2.50	54.0	14.12	AV	0.00	200	Horizontal	Pass
5	11218.201	53.02	-0.20	74.0	20.98	Peak	195.00	200	Horizontal	Pass
5**	11218.201	43.15	-0.20	54.0	10.85	AV	195.00	200	Horizontal	Pass
6	16122.338	55.94	0.70	74.0	18.06	Peak	42.00	200	Horizontal	Pass
6**	16122.338	47.27	0.70	54.0	6.73	AV	42.00	200	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	1492.800	40.17	-16.88	74.0	33.83	Peak	327.00	200	Vertical	Pass
1**	1492.800	30.89	-16.88	54.0	23.11	AV	327.00	200	Vertical	Pass
2	3994.400	51.04	-4.30	74.0	22.96	Peak	319.00	300	Vertical	Pass
2**	3994.400	40.32	-4.30	54.0	13.68	AV	319.00	300	Vertical	Pass
3	5321.400	103.67	-2.26	--	--	Peak	168.00	200	Vertical	N/A
3**	5321.400	96.24	-2.26	--	--	AV	168.00	200	Vertical	N/A
4	7428.663	50.37	-3.36	74.0	23.63	Peak	16.00	400	Vertical	Pass
4**	7428.663	40.11	-3.36	54.0	13.89	AV	16.00	400	Vertical	Pass
5	11901.300	53.46	1.69	74.0	20.54	Peak	248.00	100	Vertical	Pass
5**	11901.300	45.11	1.69	54.0	8.89	AV	248.00	100	Vertical	Pass
6	15810.487	56.17	2.15	74.0	17.83	Peak	0.00	300	Vertical	Pass
6**	15810.487	47.06	2.15	54.0	6.94	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	1498.700	44.19	-17.18	74.0	29.81	Peak	313.00	100	Horizontal	Pass
1**	1498.700	31.37	-17.18	54.0	22.63	AV	313.00	100	Horizontal	Pass
2	3995.800	51.78	-4.39	74.0	22.22	Peak	207.00	300	Horizontal	Pass
2**	3995.800	45.45	-4.39	54.0	8.55	AV	207.00	300	Horizontal	Pass
3	5258.800	110.26	-1.76	--	--	Peak	360.00	100	Horizontal	N/A
3**	5258.800	103.13	-1.76	--	--	AV	360.00	100	Horizontal	N/A
4	7601.737	49.89	-2.88	74.0	24.11	Peak	360.00	300	Horizontal	Pass
4**	7601.737	40.79	-2.88	54.0	13.21	AV	360.00	300	Horizontal	Pass
5	12308.400	54.60	1.38	74.0	19.40	Peak	220.00	100	Horizontal	Pass
5**	12308.400	44.49	1.38	54.0	9.51	AV	220.00	100	Horizontal	Pass
6	15819.412	55.84	1.90	74.0	18.16	Peak	302.00	300	Horizontal	Pass
6**	15819.412	46.44	1.90	54.0	7.56	AV	302.00	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	1502.600	41.24	-17.06	74.0	32.76	Peak	79.00	400	Vertical	Pass
1**	1502.600	30.47	-17.06	54.0	23.53	AV	79.00	400	Vertical	Pass
2	3996.400	50.96	-4.51	74.0	23.04	Peak	159.00	150	Vertical	Pass
2**	3996.400	49.11	-4.51	54.0	4.89	AV	159.00	150	Vertical	Pass
3	5258.600	103.04	-1.77	--	--	Peak	146.00	100	Vertical	N/A
3**	5258.600	95.67	-1.77	--	--	AV	146.00	100	Vertical	N/A
4	7345.862	50.38	-3.52	74.0	23.62	Peak	160.00	200	Vertical	Pass
4**	7345.862	40.86	-3.52	54.0	13.14	AV	160.00	200	Vertical	Pass
5	12309.262	53.89	1.37	74.0	20.11	Peak	321.00	150	Vertical	Pass
5**	12309.262	44.55	1.37	54.0	9.45	AV	321.00	150	Vertical	Pass
6	16158.562	55.84	0.93	74.0	18.16	Peak	322.00	300	Vertical	Pass
6**	16158.562	45.89	0.93	54.0	8.11	AV	322.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.700	42.98	-17.11	74.0	31.02	Peak	343.00	200	Horizontal	Pass
1**	1497.700	32.72	-17.11	54.0	21.28	AV	343.00	200	Horizontal	Pass
2	4393.600	51.45	-3.73	74.0	22.55	Peak	251.00	100	Horizontal	Pass
2**	4393.600	42.24	-3.73	54.0	11.76	AV	251.00	100	Horizontal	Pass
3	5301.200	111.35	-2.82	--	--	Peak	0.00	100	Horizontal	N/A
3**	5301.200	103.92	-2.82	--	--	AV	0.00	100	Horizontal	N/A
4	7323.150	49.98	-3.36	74.0	24.02	Peak	360.00	100	Horizontal	Pass
4**	7323.150	39.76	-3.36	54.0	14.24	AV	360.00	100	Horizontal	Pass
5	12340.888	54.06	1.29	74.0	19.94	Peak	175.00	200	Horizontal	Pass
5**	12340.888	43.92	1.29	54.0	10.08	AV	175.00	200	Horizontal	Pass
6	16081.388	56.03	1.61	74.0	17.97	Peak	0.00	400	Horizontal	Pass
6**	16081.388	46.10	1.61	54.0	7.90	AV	0.00	400	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	1498.800	40.51	-17.16	74.0	33.49	Peak	121.00	400	Vertical	Pass
1**	1498.800	34.68	-17.16	54.0	19.32	AV	121.00	400	Vertical	Pass
2	3706.200	49.99	-4.87	74.0	24.01	Peak	28.00	300	Vertical	Pass
2**	3706.200	40.58	-4.87	54.0	13.42	AV	28.00	300	Vertical	Pass
3	5301.200	101.49	-2.82	--	--	Peak	154.00	200	Vertical	N/A
3**	5301.200	94.49	-2.82	--	--	AV	154.00	200	Vertical	N/A
4	7340.687	50.21	-3.04	74.0	23.79	Peak	360.00	100	Vertical	Pass
4**	7340.687	41.44	-3.04	54.0	12.56	AV	360.00	100	Vertical	Pass
5	12314.724	53.70	1.40	74.0	20.30	Peak	174.00	150	Vertical	Pass
5**	12314.724	44.25	1.40	54.0	9.75	AV	174.00	150	Vertical	Pass
6	16110.000	55.72	0.77	74.0	18.28	Peak	339.00	200	Vertical	Pass
6**	16110.000	46.92	0.77	54.0	7.08	AV	339.00	200	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	1497.200	42.54	-17.02	74.0	31.46	Peak	336.00	400	Horizontal	Pass
1**	1497.200	32.87	-17.02	54.0	21.13	AV	336.00	400	Horizontal	Pass
2	4378.800	50.63	-3.38	74.0	23.37	Peak	218.00	400	Horizontal	Pass
2**	4378.800	41.49	-3.38	54.0	12.51	AV	218.00	400	Horizontal	Pass
3	5321.200	109.95	-2.32	--	--	Peak	360.00	100	Horizontal	N/A
3**	5321.200	102.78	-2.32	--	--	AV	360.00	100	Horizontal	N/A
4	7433.838	50.13	-3.38	74.0	23.87	Peak	275.00	100	Horizontal	Pass
4**	7433.838	40.20	-3.38	54.0	13.80	AV	275.00	100	Horizontal	Pass
5	12293.162	53.24	1.61	74.0	20.76	Peak	360.00	100	Horizontal	Pass
5**	12293.162	43.77	1.61	54.0	10.23	AV	360.00	100	Horizontal	Pass
6	15801.037	56.32	2.32	74.0	17.68	Peak	303.00	400	Horizontal	Pass
6**	15801.037	46.78	2.32	54.0	7.22	AV	303.00	400	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	1467.500	40.64	-17.36	74.0	33.36	Peak	0.00	200	Vertical	Pass
1**	1467.500	35.83	-17.36	54.0	18.17	AV	0.00	200	Vertical	Pass
2	3996.000	51.83	-4.43	74.0	22.17	Peak	300.00	200	Vertical	Pass
2**	3996.000	46.30	-4.43	54.0	7.70	AV	300.00	200	Vertical	Pass
3	5320.800	102.61	-2.34	--	--	Peak	142.00	200	Vertical	N/A
3**	5320.800	95.60	-2.34	--	--	AV	142.00	200	Vertical	N/A
4	7364.837	49.95	-3.42	74.0	24.05	Peak	159.00	400	Vertical	Pass
4**	7364.837	40.55	-3.42	54.0	13.45	AV	159.00	400	Vertical	Pass
5	12267.000	53.38	1.35	74.0	20.62	Peak	340.00	150	Vertical	Pass
5**	12267.000	44.23	1.35	54.0	9.77	AV	340.00	150	Vertical	Pass
6	15673.201	55.99	1.50	74.0	18.01	Peak	0.00	400	Vertical	Pass
6**	15673.201	46.83	1.50	54.0	7.17	AV	0.00	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	1498.900	46.73	-17.14	74.0	27.27	Peak	332.00	200	Horizontal	Pass
1**	1498.900	34.77	-17.14	54.0	19.23	AV	332.00	200	Horizontal	Pass
2	2747.300	51.45	-10.64	74.0	22.55	Peak	200.00	150	Horizontal	Pass
2**	2747.300	48.97	-10.64	54.0	5.03	AV	200.00	150	Horizontal	Pass
3	5271.400	106.47	-2.58	--	--	Peak	360.00	100	Horizontal	N/A
3**	5271.400	100.16	-2.58	--	--	AV	360.00	100	Horizontal	N/A
4	7341.263	50.49	-3.09	74.0	23.51	Peak	89.00	100	Horizontal	Pass
4**	7341.263	41.92	-3.09	54.0	12.08	AV	89.00	100	Horizontal	Pass
5	12622.925	53.95	1.68	74.0	20.05	Peak	360.00	200	Horizontal	Pass
5**	12622.925	43.74	1.68	54.0	10.26	AV	360.00	200	Horizontal	Pass
6	15780.037	56.64	1.55	74.0	17.36	Peak	221.00	300	Horizontal	Pass
6**	15780.037	46.13	1.55	54.0	7.87	AV	221.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.700	40.82	-17.18	74.0	33.18	Peak	125.00	400	Vertical	Pass
1**	1498.700	32.49	-17.18	54.0	21.51	AV	125.00	400	Vertical	Pass
2	4391.800	50.11	-3.48	74.0	23.89	Peak	130.00	100	Vertical	Pass
2**	4391.800	41.63	-3.48	54.0	12.37	AV	130.00	100	Vertical	Pass
3	5271.400	98.77	-2.58	--	--	Peak	151.00	100	Vertical	N/A
3**	5271.400	91.14	-2.58	--	--	AV	151.00	100	Vertical	N/A
4	7353.050	49.97	-3.82	74.0	24.03	Peak	46.00	200	Vertical	Pass
4**	7353.050	40.93	-3.82	54.0	13.07	AV	46.00	200	Vertical	Pass
5	11656.350	53.53	0.02	74.0	20.47	Peak	219.00	150	Vertical	Pass
5**	11656.350	45.08	0.02	54.0	8.92	AV	219.00	150	Vertical	Pass
6	16105.275	56.15	0.97	74.0	17.85	Peak	0.00	400	Vertical	Pass
6**	16105.275	46.67	0.97	54.0	7.33	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.300	43.72	-17.07	74.0	30.28	Peak	322.00	200	Horizontal	Pass
1**	1499.300	31.54	-17.07	54.0	22.46	AV	322.00	200	Horizontal	Pass
2	4389.600	50.46	-3.34	74.0	23.54	Peak	195.00	400	Horizontal	Pass
2**	4389.600	42.00	-3.34	54.0	12.00	AV	195.00	400	Horizontal	Pass
3	5311.400	106.79	-2.35	--	--	Peak	6.00	100	Horizontal	N/A
3**	5311.400	99.19	-2.35	--	--	AV	6.00	100	Horizontal	N/A
4	7730.825	49.99	-2.47	74.0	24.01	Peak	360.00	100	Horizontal	Pass
4**	7730.825	40.23	-2.47	54.0	13.77	AV	360.00	100	Horizontal	Pass
5	12613.437	53.53	1.88	74.0	20.47	Peak	330.00	200	Horizontal	Pass
5**	12613.437	43.83	1.88	54.0	10.17	AV	330.00	200	Horizontal	Pass
6	15808.125	56.45	2.20	74.0	17.55	Peak	360.00	200	Horizontal	Pass
6**	15808.125	46.43	2.20	54.0	7.57	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.100	40.63	-17.36	74.0	33.37	Peak	124.00	300	Vertical	Pass
1**	1467.100	34.53	-17.36	54.0	19.47	AV	124.00	300	Vertical	Pass
2	3996.000	52.57	-4.43	74.0	21.43	Peak	156.00	150	Vertical	Pass
2**	3996.000	49.65	-4.43	54.0	4.35	AV	156.00	150	Vertical	Pass
3	5311.400	99.18	-2.35	--	--	Peak	156.00	100	Vertical	N/A
3**	5311.400	92.79	-2.35	--	--	AV	156.00	100	Vertical	N/A
4	7627.038	50.22	-2.71	74.0	23.78	Peak	105.00	300	Vertical	Pass
4**	7627.038	41.08	-2.71	54.0	12.92	AV	105.00	300	Vertical	Pass
5	12273.325	53.17	1.56	74.0	20.83	Peak	87.00	150	Vertical	Pass
5**	12273.325	44.93	1.56	54.0	9.07	AV	87.00	150	Vertical	Pass
6	16078.763	55.78	1.62	74.0	18.22	Peak	279.00	400	Vertical	Pass
6**	16078.763	46.91	1.62	54.0	7.09	AV	279.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.500	41.71	-17.20	74.0	32.29	Peak	326.00	100	Horizontal	Pass
1**	1510.500	29.98	-17.20	54.0	24.02	AV	326.00	100	Horizontal	Pass
2	4378.200	50.32	-3.44	74.0	23.68	Peak	65.00	400	Horizontal	Pass
2**	4378.200	41.37	-3.44	54.0	12.63	AV	65.00	400	Horizontal	Pass
3	5259.000	109.64	-1.76	--	--	Peak	360.00	200	Horizontal	N/A
3**	5259.000	102.83	-1.76	--	--	AV	360.00	200	Horizontal	N/A
4	7328.612	50.14	-3.52	74.0	23.86	Peak	212.00	400	Horizontal	Pass
4**	7328.612	40.64	-3.52	54.0	13.36	AV	212.00	400	Horizontal	Pass
5	12283.675	53.37	1.78	74.0	20.63	Peak	193.00	200	Horizontal	Pass
5**	12283.675	44.91	1.78	54.0	9.09	AV	193.00	200	Horizontal	Pass
6	15846.713	55.85	1.36	74.0	18.15	Peak	98.00	400	Horizontal	Pass
6**	15846.713	47.38	1.36	54.0	6.62	AV	98.00	400	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	1467.500	40.23	-17.36	74.0	33.77	Peak	122.00	100	Vertical	Pass
1**	1467.500	34.23	-17.36	54.0	19.77	AV	122.00	100	Vertical	Pass
2	3995.000	51.36	-4.27	74.0	22.64	Peak	159.00	300	Vertical	Pass
2**	3995.000	40.99	-4.27	54.0	13.01	AV	159.00	300	Vertical	Pass
3	5261.200	103.02	-2.02	--	--	Peak	159.00	200	Vertical	N/A
3**	5261.200	95.75	-2.02	--	--	AV	159.00	200	Vertical	N/A
4	7350.750	49.65	-3.65	74.0	24.35	Peak	243.00	100	Vertical	Pass
4**	7350.750	40.20	-3.65	54.0	13.80	AV	243.00	100	Vertical	Pass
5	12291.724	53.30	1.63	74.0	20.70	Peak	86.00	200	Vertical	Pass
5**	12291.724	44.40	1.63	54.0	9.60	AV	86.00	200	Vertical	Pass
6	15835.162	55.73	1.45	74.0	18.27	Peak	320.00	400	Vertical	Pass
6**	15835.162	46.71	1.45	54.0	7.29	AV	320.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.800	44.25	-17.16	74.0	29.75	Peak	0.00	300	Horizontal	Pass
1**	1498.800	35.82	-17.16	54.0	18.18	AV	0.00	300	Horizontal	Pass
2	4390.200	50.70	-3.31	74.0	23.30	Peak	106.00	300	Horizontal	Pass
2**	4390.200	41.72	-3.31	54.0	12.28	AV	106.00	300	Horizontal	Pass
3	5301.800	110.38	-2.74	--	--	Peak	360.00	100	Horizontal	N/A
3**	5301.800	102.96	-2.74	--	--	AV	360.00	100	Horizontal	N/A
4	7446.775	50.30	-3.17	74.0	23.70	Peak	162.00	200	Horizontal	Pass
4**	7446.775	40.85	-3.17	54.0	13.15	AV	162.00	200	Horizontal	Pass
5	12436.912	53.27	1.73	74.0	20.73	Peak	107.00	150	Horizontal	Pass
5**	12436.912	44.18	1.73	54.0	9.82	AV	107.00	150	Horizontal	Pass
6	15657.187	56.72	1.22	74.0	17.28	Peak	170.00	100	Horizontal	Pass
6**	15657.187	46.52	1.22	54.0	7.48	AV	170.00	100	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	1494.700	41.37	-16.86	74.0	32.63	Peak	110.00	200	Vertical	Pass
1**	1494.700	32.21	-16.86	54.0	21.79	AV	110.00	200	Vertical	Pass
2	4395.000	50.19	-3.90	74.0	23.81	Peak	166.00	300	Vertical	Pass
2**	4395.000	42.12	-3.90	54.0	11.88	AV	166.00	300	Vertical	Pass
3	5299.400	100.91	-2.94	--	--	Peak	153.00	100	Vertical	N/A
3**	5299.400	94.19	-2.94	--	--	AV	153.00	100	Vertical	N/A
4	7377.775	50.57	-3.50	74.0	23.43	Peak	236.00	200	Vertical	Pass
4**	7377.775	41.21	-3.50	54.0	12.79	AV	236.00	200	Vertical	Pass
5	12485.500	53.51	1.64	74.0	20.49	Peak	218.00	150	Vertical	Pass
5**	12485.500	43.33	1.64	54.0	10.67	AV	218.00	150	Vertical	Pass
6	15860.888	56.31	0.91	74.0	17.69	Peak	18.00	200	Vertical	Pass
6**	15860.888	46.14	0.91	54.0	7.86	AV	18.00	200	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	1497.700	41.10	-17.11	74.0	32.90	Peak	360.00	300	Horizontal	Pass
1**	1497.700	30.20	-17.11	54.0	23.80	AV	360.00	300	Horizontal	Pass
2	4394.800	50.51	-3.89	74.0	23.49	Peak	271.00	400	Horizontal	Pass
2**	4394.800	41.28	-3.89	54.0	12.72	AV	271.00	400	Horizontal	Pass
3	5318.800	109.81	-2.36	--	--	Peak	0.00	150	Horizontal	N/A
3**	5318.800	102.57	-2.36	--	--	AV	0.00	150	Horizontal	N/A
4	7339.250	50.21	-2.93	74.0	23.79	Peak	354.00	200	Horizontal	Pass
4**	7339.250	41.62	-2.93	54.0	12.38	AV	354.00	200	Horizontal	Pass
5	12348.650	53.10	1.24	74.0	20.90	Peak	267.00	150	Horizontal	Pass
5**	12348.650	43.38	1.24	54.0	10.62	AV	267.00	150	Horizontal	Pass
6	15601.800	55.71	1.05	74.0	18.29	Peak	43.00	150	Horizontal	Pass
6**	15601.800	45.73	1.05	54.0	8.27	AV	43.00	150	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	1495.400	39.98	-16.85	74.0	34.02	Peak	112.00	100	Vertical	Pass
1**	1495.400	29.22	-16.85	54.0	24.78	AV	112.00	100	Vertical	Pass
2	3996.000	51.47	-4.43	74.0	22.53	Peak	0.00	300	Vertical	Pass
2**	3996.000	45.39	-4.43	54.0	8.61	AV	0.00	300	Vertical	Pass
3	5319.200	103.23	-2.33	--	--	Peak	155.00	100	Vertical	N/A
3**	5319.200	95.30	-2.33	--	--	AV	155.00	100	Vertical	N/A
4	7336.950	49.52	-3.01	74.0	24.48	Peak	351.00	400	Vertical	Pass
4**	7336.950	41.16	-3.01	54.0	12.84	AV	351.00	400	Vertical	Pass
5	12273.613	54.39	1.57	74.0	19.61	Peak	213.00	150	Vertical	Pass
5**	12273.613	44.84	1.57	54.0	9.16	AV	213.00	150	Vertical	Pass
6	15795.262	55.94	2.18	74.0	18.06	Peak	198.00	150	Vertical	Pass
6**	15795.262	47.41	2.18	54.0	6.59	AV	198.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.500	42.34	-17.19	74.0	31.66	Peak	320.00	100	Horizontal	Pass
1**	1515.500	30.38	-17.19	54.0	23.62	AV	320.00	100	Horizontal	Pass
2	4371.800	50.11	-4.16	74.0	23.89	Peak	156.00	400	Horizontal	Pass
2**	4371.800	41.43	-4.16	54.0	12.57	AV	156.00	400	Horizontal	Pass
3	5271.600	106.06	-2.61	--	--	Peak	360.00	200	Horizontal	N/A
3**	5271.600	99.16	-2.61	--	--	AV	360.00	200	Horizontal	N/A
4	7347.013	49.87	-3.63	74.0	24.13	Peak	329.00	400	Horizontal	Pass
4**	7347.013	40.55	-3.63	54.0	13.45	AV	329.00	400	Horizontal	Pass
5	12616.600	53.34	1.85	74.0	20.66	Peak	360.00	200	Horizontal	Pass
5**	12616.600	43.56	1.85	54.0	10.44	AV	360.00	200	Horizontal	Pass
6	15862.200	56.04	0.88	74.0	17.96	Peak	255.00	200	Horizontal	Pass
6**	15862.200	46.74	0.88	54.0	7.26	AV	255.00	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	1499.100	41.19	-17.10	74.0	32.81	Peak	77.00	100	Vertical	Pass
1**	1499.100	29.47	-17.10	54.0	24.53	AV	77.00	100	Vertical	Pass
2	4368.200	50.36	-3.86	74.0	23.64	Peak	15.00	300	Vertical	Pass
2**	4368.200	41.60	-3.86	54.0	12.40	AV	15.00	300	Vertical	Pass
3	5271.600	99.88	-2.61	--	--	Peak	146.00	150	Vertical	N/A
3**	5271.600	92.66	-2.61	--	--	AV	146.00	150	Vertical	N/A
4	7342.413	50.08	-3.23	74.0	23.92	Peak	349.00	300	Vertical	Pass
4**	7342.413	41.27	-3.23	54.0	12.73	AV	349.00	300	Vertical	Pass
5	12432.312	53.51	1.62	74.0	20.49	Peak	311.00	100	Vertical	Pass
5**	12432.312	43.98	1.62	54.0	10.02	AV	311.00	100	Vertical	Pass
6	15683.438	56.27	1.48	74.0	17.73	Peak	360.00	400	Vertical	Pass
6**	15683.438	46.49	1.48	54.0	7.51	AV	360.00	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	1498.300	44.93	-17.23	74.0	29.07	Peak	0.00	400	Horizontal	Pass
1**	1498.300	34.19	-17.23	54.0	19.81	AV	0.00	400	Horizontal	Pass
2	4006.600	50.31	-4.62	74.0	23.69	Peak	231.00	200	Horizontal	Pass
2**	4006.600	40.57	-4.62	54.0	13.43	AV	231.00	200	Horizontal	Pass
3	5311.400	106.51	-2.35	--	--	Peak	360.00	100	Horizontal	N/A
3**	5311.400	99.58	-2.35	--	--	AV	360.00	100	Horizontal	N/A
4	7280.600	50.12	-3.02	74.0	23.88	Peak	55.00	100	Horizontal	Pass
4**	7280.600	41.59	-3.02	54.0	12.41	AV	55.00	100	Horizontal	Pass
5	12275.912	53.58	1.65	74.0	20.42	Peak	0.00	200	Horizontal	Pass
5**	12275.912	44.20	1.65	54.0	9.80	AV	0.00	200	Horizontal	Pass
6	15834.375	55.94	1.46	74.0	18.06	Peak	103.00	150	Horizontal	Pass
6**	15834.375	46.36	1.46	54.0	7.64	AV	103.00	150	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	1494.100	41.08	-16.87	74.0	32.92	Peak	120.00	200	Vertical	Pass
1**	1494.100	33.54	-16.87	54.0	20.46	AV	120.00	200	Vertical	Pass
2	4364.400	50.14	-4.01	74.0	23.86	Peak	360.00	300	Vertical	Pass
2**	4364.400	40.68	-4.01	54.0	13.32	AV	360.00	300	Vertical	Pass
3	5311.800	98.81	-2.35	--	--	Peak	143.00	100	Vertical	N/A
3**	5311.800	92.09	-2.35	--	--	AV	143.00	100	Vertical	N/A
4	7671.312	49.95	-2.51	74.0	24.05	Peak	360.00	200	Vertical	Pass
4**	7671.312	40.31	-2.51	54.0	13.69	AV	360.00	200	Vertical	Pass
5	12313.862	53.55	1.40	74.0	20.45	Peak	165.00	200	Vertical	Pass
5**	12313.862	44.24	1.40	54.0	9.76	AV	165.00	200	Vertical	Pass
6	15640.912	56.81	1.33	74.0	17.19	Peak	287.00	400	Vertical	Pass
6**	15640.912	47.30	1.33	54.0	6.70	AV	287.00	400	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	1499.600	44.57	-17.01	74.0	29.43	Peak	327.00	400	Horizontal	Pass
1**	1499.600	31.85	-17.01	54.0	22.15	AV	327.00	400	Horizontal	Pass
2	4388.800	50.36	-3.38	74.0	23.64	Peak	103.00	200	Horizontal	Pass
2**	4388.800	41.72	-3.38	54.0	12.28	AV	103.00	200	Horizontal	Pass
3	5291.400	103.86	-2.80	--	--	Peak	360.00	150	Horizontal	N/A
3**	5291.400	96.66	-2.80	--	--	AV	360.00	150	Horizontal	N/A
4	7339.825	50.39	-2.95	74.0	23.61	Peak	183.00	200	Horizontal	Pass
4**	7339.825	40.81	-2.95	54.0	13.19	AV	183.00	200	Horizontal	Pass
5	12589.287	53.86	1.65	74.0	20.14	Peak	35.00	200	Horizontal	Pass
5**	12589.287	43.61	1.65	54.0	10.39	AV	35.00	200	Horizontal	Pass
6	16076.662	56.18	1.57	74.0	17.82	Peak	0.00	300	Horizontal	Pass
6**	16076.662	46.75	1.57	54.0	7.25	AV	0.00	300	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	1488.000	40.40	-16.82	74.0	33.60	Peak	112.00	100	Vertical	Pass
1**	1488.000	30.05	-16.82	54.0	23.95	AV	112.00	100	Vertical	Pass
2	4380.200	50.86	-3.35	74.0	23.14	Peak	1.00	400	Vertical	Pass
2**	4380.200	42.20	-3.35	54.0	11.80	AV	1.00	400	Vertical	Pass
3	5292.000	94.18	-2.63	--	--	Peak	165.00	150	Vertical	N/A
3**	5292.000	87.04	-2.63	--	--	AV	165.00	150	Vertical	N/A
4	7338.100	49.78	-2.89	74.0	24.22	Peak	119.00	100	Vertical	Pass
4**	7338.100	41.62	-2.89	54.0	12.38	AV	119.00	100	Vertical	Pass
5	11576.138	53.79	-0.39	74.0	20.21	Peak	346.00	150	Vertical	Pass
5**	11576.138	43.42	-0.39	54.0	10.58	AV	346.00	150	Vertical	Pass
6	16008.412	55.56	0.40	74.0	18.44	Peak	177.00	150	Vertical	Pass
6**	16008.412	45.73	0.40	54.0	8.27	AV	177.00	150	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	1498.300	43.32	-17.23	74.0	30.68	Peak	320.00	400	Horizontal	Pass
1**	1498.300	30.78	-17.23	54.0	23.22	AV	320.00	400	Horizontal	Pass
2	4390.800	50.99	-3.35	74.0	23.01	Peak	136.00	400	Horizontal	Pass
2**	4390.800	42.03	-3.35	54.0	11.97	AV	136.00	400	Horizontal	Pass
3	5500.800	112.35	-1.53	--	--	Peak	0.00	200	Horizontal	N/A
3**	5500.800	105.52	-1.53	--	--	AV	0.00	200	Horizontal	N/A
4	7275.425	50.19	-2.97	74.0	23.81	Peak	219.00	300	Horizontal	Pass
4**	7275.425	40.50	-2.97	54.0	13.50	AV	219.00	300	Horizontal	Pass
5	12323.637	53.39	1.42	74.0	20.61	Peak	52.00	200	Horizontal	Pass
5**	12323.637	44.51	1.42	54.0	9.49	AV	52.00	200	Horizontal	Pass
6	15987.151	56.10	0.27	74.0	17.90	Peak	207.00	100	Horizontal	Pass
6**	15987.151	46.06	0.27	54.0	7.94	AV	207.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.500	41.31	-17.03	74.0	32.69	Peak	106.00	100	Vertical	Pass
1**	1499.500	32.37	-17.03	54.0	21.63	AV	106.00	100	Vertical	Pass
2	3996.200	50.27	-4.47	74.0	23.73	Peak	84.00	150	Vertical	Pass
2**	3996.200	48.88	-4.47	54.0	5.12	AV	84.00	150	Vertical	Pass
3	5501.200	103.52	-1.47	--	--	Peak	126.00	150	Vertical	N/A
3**	5501.200	97.12	-1.47	--	--	AV	126.00	150	Vertical	N/A
4	7450.225	49.84	-3.20	74.0	24.16	Peak	202.00	100	Vertical	Pass
4**	7450.225	40.59	-3.20	54.0	13.41	AV	202.00	100	Vertical	Pass
5	12249.175	54.06	0.96	74.0	19.94	Peak	292.00	100	Vertical	Pass
5**	12249.175	43.97	0.96	54.0	10.03	AV	292.00	100	Vertical	Pass
6	15799.463	56.22	2.32	74.0	17.78	Peak	278.00	100	Vertical	Pass
6**	15799.463	47.12	2.32	54.0	6.88	AV	278.00	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	1480.200	40.65	-17.16	74.0	33.35	Peak	324.00	100	Horizontal	Pass
1**	1480.200	31.01	-17.16	54.0	22.99	AV	324.00	100	Horizontal	Pass
2	4373.000	50.12	-3.89	74.0	23.88	Peak	0.00	300	Horizontal	Pass
2**	4373.000	41.26	-3.89	54.0	12.74	AV	0.00	300	Horizontal	Pass
3	5579.200	112.55	-1.63	--	--	Peak	360.00	150	Horizontal	N/A
3**	5579.200	105.37	-1.63	--	--	AV	360.00	150	Horizontal	N/A
4	7333.500	49.84	-3.12	74.0	24.16	Peak	74.00	200	Horizontal	Pass
4**	7333.500	40.55	-3.12	54.0	13.45	AV	74.00	200	Horizontal	Pass
5	12292.875	53.58	1.61	74.0	20.42	Peak	360.00	100	Horizontal	Pass
5**	12292.875	44.21	1.61	54.0	9.79	AV	360.00	100	Horizontal	Pass
6	15648.000	56.41	1.20	74.0	17.59	Peak	39.00	300	Horizontal	Pass
6**	15648.000	45.99	1.20	54.0	8.01	AV	39.00	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	1507.500	41.03	-16.93	74.0	32.97	Peak	112.00	100	Vertical	Pass
1**	1507.500	31.06	-16.93	54.0	22.94	AV	112.00	100	Vertical	Pass
2	4390.800	50.45	-3.35	74.0	23.55	Peak	109.00	400	Vertical	Pass
2**	4390.800	42.27	-3.35	54.0	11.73	AV	109.00	400	Vertical	Pass
3	5580.800	104.63	-1.69	--	--	Peak	157.00	200	Vertical	N/A
3**	5580.800	97.93	-1.69	--	--	AV	157.00	200	Vertical	N/A
4	7354.775	50.19	-3.76	74.0	23.81	Peak	290.00	400	Vertical	Pass
4**	7354.775	40.97	-3.76	54.0	13.03	AV	290.00	400	Vertical	Pass
5	11837.187	53.57	1.14	74.0	20.43	Peak	113.00	200	Vertical	Pass
5**	11837.187	43.12	1.14	54.0	10.88	AV	113.00	200	Vertical	Pass
6	15837.000	56.43	1.45	74.0	17.57	Peak	342.00	400	Vertical	Pass
6**	15837.000	46.65	1.45	54.0	7.35	AV	342.00	400	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	1496.800	42.92	-16.94	74.0	31.08	Peak	346.00	100	Horizontal	Pass
1**	1496.800	31.91	-16.94	54.0	22.09	AV	346.00	100	Horizontal	Pass
2	4392.600	50.25	-3.58	74.0	23.75	Peak	150.00	100	Horizontal	Pass
2**	4392.600	42.10	-3.58	54.0	11.90	AV	150.00	100	Horizontal	Pass
3	5699.800	114.65	-1.08	--	--	Peak	312.00	150	Horizontal	N/A
3**	5699.800	107.60	-1.08	--	--	AV	312.00	150	Horizontal	N/A
4	7679.363	49.61	-2.43	74.0	24.39	Peak	92.00	300	Horizontal	Pass
4**	7679.363	40.42	-2.43	54.0	13.58	AV	92.00	300	Horizontal	Pass
5	12278.787	53.34	1.76	74.0	20.66	Peak	17.00	200	Horizontal	Pass
5**	12278.787	44.79	1.76	54.0	9.21	AV	17.00	200	Horizontal	Pass
6	15846.187	56.56	1.36	74.0	17.44	Peak	187.00	300	Horizontal	Pass
6**	15846.187	47.65	1.36	54.0	6.35	AV	187.00	300	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	1499.000	41.35	-17.12	74.0	32.65	Peak	117.00	200	Vertical	Pass
1**	1499.000	29.82	-17.12	54.0	24.18	AV	117.00	200	Vertical	Pass
2	4297.000	50.17	-3.98	74.0	23.83	Peak	265.00	300	Vertical	Pass
2**	4297.000	41.26	-3.98	54.0	12.74	AV	265.00	300	Vertical	Pass
3	5699.200	105.20	-0.96	--	--	Peak	160.00	100	Vertical	N/A
3**	5699.200	98.77	-0.96	--	--	AV	160.00	100	Vertical	N/A
4	7448.787	50.06	-3.25	74.0	23.94	Peak	348.00	100	Vertical	Pass
4**	7448.787	40.62	-3.25	54.0	13.38	AV	348.00	100	Vertical	Pass
5	11949.600	53.23	1.41	74.0	20.77	Peak	130.00	200	Vertical	Pass
5**	11949.600	43.91	1.41	54.0	10.09	AV	130.00	200	Vertical	Pass
6	15485.250	56.08	0.90	74.0	17.92	Peak	89.00	150	Vertical	Pass
6**	15485.250	45.76	0.90	54.0	8.24	AV	89.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1461.100	42.21	-17.20	74.0	31.79	Peak	334.00	200	Horizontal	Pass
1**	1461.100	29.67	-17.20	54.0	24.33	AV	334.00	200	Horizontal	Pass
2	2747.000	51.67	-10.67	74.0	22.33	Peak	196.00	150	Horizontal	Pass
2**	2747.000	48.39	-10.67	54.0	5.61	AV	196.00	150	Horizontal	Pass
3	5501.200	112.00	-1.47	--	--	Peak	0.00	200	Horizontal	N/A
3**	5501.200	104.97	-1.47	--	--	AV	0.00	200	Horizontal	N/A
4	7338.387	49.59	-2.90	74.0	24.41	Peak	301.00	200	Horizontal	Pass
4**	7338.387	40.72	-2.90	54.0	13.28	AV	301.00	200	Horizontal	Pass
5	11951.612	53.88	1.32	74.0	20.12	Peak	0.00	200	Horizontal	Pass
5**	11951.612	43.80	1.32	54.0	10.20	AV	0.00	200	Horizontal	Pass
6	15855.901	55.98	1.15	74.0	18.02	Peak	274.00	100	Horizontal	Pass
6**	15855.901	47.05	1.15	54.0	6.95	AV	274.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.100	40.52	-16.87	74.0	33.48	Peak	92.00	400	Vertical	Pass
1**	1494.100	29.97	-16.87	54.0	24.03	AV	92.00	400	Vertical	Pass
2	3913.000	50.51	-4.72	74.0	23.49	Peak	162.00	150	Vertical	Pass
2**	3913.000	47.96	-4.72	54.0	6.04	AV	162.00	150	Vertical	Pass
3	5500.800	103.62	-1.53	--	--	Peak	128.00	150	Vertical	N/A
3**	5500.800	96.63	-1.53	--	--	AV	128.00	150	Vertical	N/A
4	7344.138	49.84	-3.45	74.0	24.16	Peak	90.00	400	Vertical	Pass
4**	7344.138	40.26	-3.45	54.0	13.74	AV	90.00	400	Vertical	Pass
5	12606.250	53.95	1.91	74.0	20.05	Peak	360.00	100	Vertical	Pass
5**	12606.250	44.44	1.91	54.0	9.56	AV	360.00	100	Vertical	Pass
6	15668.737	56.16	1.41	74.0	17.84	Peak	23.00	400	Vertical	Pass
6**	15668.737	46.38	1.41	54.0	7.62	AV	23.00	400	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	1500.700	43.50	-16.87	74.0	30.50	Peak	326.00	300	Horizontal	Pass
1**	1500.700	30.42	-16.87	54.0	23.58	AV	326.00	300	Horizontal	Pass
2	4330.000	50.22	-4.65	74.0	23.78	Peak	81.00	100	Horizontal	Pass
2**	4330.000	40.37	-4.65	54.0	13.63	AV	81.00	100	Horizontal	Pass
3	5579.000	112.16	-1.62	--	--	Peak	360.00	200	Horizontal	N/A
3**	5579.000	105.49	-1.62	--	--	AV	360.00	200	Horizontal	N/A
4	7340.400	49.78	-3.01	74.0	24.22	Peak	56.00	400	Horizontal	Pass
4**	7340.400	41.42	-3.01	54.0	12.58	AV	56.00	400	Horizontal	Pass
5	12281.088	53.52	1.80	74.0	20.48	Peak	75.00	200	Horizontal	Pass
5**	12281.088	44.48	1.80	54.0	9.52	AV	75.00	200	Horizontal	Pass
6	15855.112	56.53	1.19	74.0	17.47	Peak	44.00	100	Horizontal	Pass
6**	15855.112	46.76	1.19	54.0	7.24	AV	44.00	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	1467.000	41.00	-17.36	74.0	33.00	Peak	117.00	400	Vertical	Pass
1**	1467.000	32.28	-17.36	54.0	21.72	AV	117.00	400	Vertical	Pass
2	3996.000	51.70	-4.43	74.0	22.30	Peak	92.00	150	Vertical	Pass
2**	3996.000	49.23	-4.43	54.0	4.77	AV	92.00	150	Vertical	Pass
3	5580.600	104.53	-1.69	--	--	Peak	172.00	150	Vertical	N/A
3**	5580.600	97.21	-1.69	--	--	AV	172.00	150	Vertical	N/A
4	7376.050	50.19	-3.74	74.0	23.81	Peak	196.00	100	Vertical	Pass
4**	7376.050	40.32	-3.74	54.0	13.68	AV	196.00	100	Vertical	Pass
5	11211.875	53.67	-0.21	74.0	20.33	Peak	360.00	200	Vertical	Pass
5**	11211.875	43.82	-0.21	54.0	10.18	AV	360.00	200	Vertical	Pass
6	16008.412	56.66	0.40	74.0	17.34	Peak	144.00	200	Vertical	Pass
6**	16008.412	46.17	0.40	54.0	7.83	AV	144.00	200	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	1507.000	42.23	-16.84	74.0	31.77	Peak	315.00	400	Horizontal	Pass
1**	1507.000	30.50	-16.84	54.0	23.50	AV	315.00	400	Horizontal	Pass
2	4378.600	50.60	-3.40	74.0	23.40	Peak	340.00	300	Horizontal	Pass
2**	4378.600	42.17	-3.40	54.0	11.83	AV	340.00	300	Horizontal	Pass
3	5700.800	114.75	-1.38	--	--	Peak	317.00	100	Horizontal	N/A
3**	5700.800	108.13	-1.38	--	--	AV	317.00	100	Horizontal	N/A
4	7447.925	49.98	-3.26	74.0	24.02	Peak	212.00	400	Horizontal	Pass
4**	7447.925	40.48	-3.26	54.0	13.52	AV	212.00	400	Horizontal	Pass
5	11909.349	52.49	1.54	74.0	21.51	Peak	170.00	150	Horizontal	Pass
5**	11909.349	43.60	1.54	54.0	10.40	AV	170.00	150	Horizontal	Pass
6	15802.875	56.22	2.30	74.0	17.78	Peak	226.00	200	Horizontal	Pass
6**	15802.875	46.70	2.30	54.0	7.30	AV	226.00	200	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	1501.000	40.43	-16.90	74.0	33.57	Peak	96.00	300	Vertical	Pass
1**	1501.000	29.58	-16.90	54.0	24.42	AV	96.00	300	Vertical	Pass
2	4384.000	50.95	-3.64	74.0	23.05	Peak	137.00	100	Vertical	Pass
2**	4384.000	42.29	-3.64	54.0	11.71	AV	137.00	100	Vertical	Pass
3	5699.000	105.96	-0.98	--	--	Peak	160.00	200	Vertical	N/A
3**	5699.000	98.68	-0.98	--	--	AV	160.00	200	Vertical	N/A
4	7327.750	50.38	-3.45	74.0	23.62	Peak	187.00	200	Vertical	Pass
4**	7327.750	41.29	-3.45	54.0	12.71	AV	187.00	200	Vertical	Pass
5	12307.250	54.54	1.38	74.0	19.46	Peak	187.00	150	Vertical	Pass
5**	12307.250	44.20	1.38	54.0	9.80	AV	187.00	150	Vertical	Pass
6	15843.037	56.34	1.40	74.0	17.66	Peak	43.00	400	Vertical	Pass
6**	15843.037	47.14	1.40	54.0	6.86	AV	43.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.800	43.26	-16.85	74.0	30.74	Peak	351.00	200	Horizontal	Pass
1**	1495.800	31.02	-16.85	54.0	22.98	AV	351.00	200	Horizontal	Pass
2	3996.200	51.19	-4.47	74.0	22.81	Peak	202.00	400	Horizontal	Pass
2**	3996.200	46.76	-4.47	54.0	7.24	AV	202.00	400	Horizontal	Pass
3	5511.400	108.56	-0.91	--	--	Peak	360.00	150	Horizontal	N/A
3**	5511.400	101.99	-0.91	--	--	AV	360.00	150	Horizontal	N/A
4	7414.862	49.99	-3.84	74.0	24.01	Peak	0.00	400	Horizontal	Pass
4**	7414.862	39.54	-3.84	54.0	14.46	AV	0.00	400	Horizontal	Pass
5	12595.037	53.61	1.78	74.0	20.39	Peak	360.00	100	Horizontal	Pass
5**	12595.037	43.67	1.78	54.0	10.33	AV	360.00	100	Horizontal	Pass
6	16051.200	55.81	0.74	74.0	18.19	Peak	182.00	400	Horizontal	Pass
6**	16051.200	45.98	0.74	54.0	8.02	AV	182.00	400	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	1467.400	40.38	-17.36	74.0	33.62	Peak	117.00	200	Vertical	Pass
1**	1467.400	34.90	-17.36	54.0	19.10	AV	117.00	200	Vertical	Pass
2	4343.600	50.39	-3.66	74.0	23.61	Peak	94.00	400	Vertical	Pass
2**	4343.600	42.11	-3.66	54.0	11.89	AV	94.00	400	Vertical	Pass
3	5511.600	99.71	-0.92	--	--	Peak	155.00	150	Vertical	N/A
3**	5511.600	92.56	-0.92	--	--	AV	155.00	150	Vertical	N/A
4	7438.150	49.90	-3.45	74.0	24.10	Peak	228.00	300	Vertical	Pass
4**	7438.150	41.10	-3.45	54.0	12.90	AV	228.00	300	Vertical	Pass
5	12285.112	53.50	1.77	74.0	20.50	Peak	132.00	100	Vertical	Pass
5**	12285.112	43.84	1.77	54.0	10.16	AV	132.00	100	Vertical	Pass
6	15677.138	55.69	1.56	74.0	18.31	Peak	70.00	400	Vertical	Pass
6**	15677.138	46.33	1.56	54.0	7.67	AV	70.00	400	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	1581.700	42.97	-17.10	74.0	31.03	Peak	342.00	100	Horizontal	Pass
1**	1581.700	37.65	-17.10	54.0	16.35	AV	342.00	100	Horizontal	Pass
2	4392.800	51.42	-3.61	74.0	22.58	Peak	92.00	400	Horizontal	Pass
2**	4392.800	41.61	-3.61	54.0	12.39	AV	92.00	400	Horizontal	Pass
3	5591.400	108.26	-2.21	--	--	Peak	360.00	150	Horizontal	N/A
3**	5591.400	101.83	-2.21	--	--	AV	360.00	150	Horizontal	N/A
4	7402.500	50.12	-3.80	74.0	23.88	Peak	341.00	100	Horizontal	Pass
4**	7402.500	40.66	-3.80	54.0	13.34	AV	341.00	100	Horizontal	Pass
5	12395.513	53.83	1.60	74.0	20.17	Peak	341.00	100	Horizontal	Pass
5**	12395.513	43.64	1.60	54.0	10.36	AV	341.00	100	Horizontal	Pass
6	15785.026	56.76	1.80	74.0	17.24	Peak	45.00	150	Horizontal	Pass
6**	15785.026	46.90	1.80	54.0	7.10	AV	45.00	150	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	1499.600	42.16	-17.01	74.0	31.84	Peak	76.00	100	Vertical	Pass
1**	1499.600	30.72	-17.01	54.0	23.28	AV	76.00	100	Vertical	Pass
2	3996.000	53.65	-4.43	74.0	20.35	Peak	179.00	150	Vertical	Pass
2**	3996.000	49.85	-4.43	54.0	4.15	AV	179.00	150	Vertical	Pass
3	5594.200	100.75	-2.12	--	--	Peak	179.00	100	Vertical	N/A
3**	5594.200	92.81	-2.12	--	--	AV	179.00	100	Vertical	N/A
4	7336.375	49.84	-3.12	74.0	24.16	Peak	360.00	300	Vertical	Pass
4**	7336.375	41.04	-3.12	54.0	12.96	AV	360.00	300	Vertical	Pass
5	12001.925	53.36	1.28	74.0	20.64	Peak	297.00	100	Vertical	Pass
5**	12001.925	43.63	1.28	54.0	10.37	AV	297.00	100	Vertical	Pass
6	15823.612	56.13	1.71	74.0	17.87	Peak	285.00	400	Vertical	Pass
6**	15823.612	46.60	1.71	54.0	7.40	AV	285.00	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	1502.800	42.03	-17.04	74.0	31.97	Peak	351.00	300	Horizontal	Pass
1**	1502.800	33.38	-17.04	54.0	20.62	AV	351.00	300	Horizontal	Pass
2	2747.200	51.42	-10.65	74.0	22.58	Peak	360.00	150	Horizontal	Pass
2**	2747.200	48.45	-10.65	54.0	5.55	AV	360.00	150	Horizontal	Pass
3	5671.200	110.37	-2.34	--	--	Peak	309.00	150	Horizontal	N/A
3**	5671.200	103.56	-2.34	--	--	AV	309.00	150	Horizontal	N/A
4	7344.425	49.64	-3.47	74.0	24.36	Peak	277.00	400	Horizontal	Pass
4**	7344.425	41.54	-3.47	54.0	12.46	AV	277.00	400	Horizontal	Pass
5	12322.201	53.34	1.42	74.0	20.66	Peak	125.00	150	Horizontal	Pass
5**	12322.201	44.35	1.42	54.0	9.65	AV	125.00	150	Horizontal	Pass
6	15800.250	56.33	2.33	74.0	17.67	Peak	48.00	400	Horizontal	Pass
6**	15800.250	47.07	2.33	54.0	6.93	AV	48.00	400	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	1494.700	40.31	-16.86	74.0	33.69	Peak	76.00	200	Vertical	Pass
1**	1494.700	29.98	-16.86	54.0	24.02	AV	76.00	200	Vertical	Pass
2	3996.400	51.72	-4.51	74.0	22.28	Peak	184.00	150	Vertical	Pass
2**	3996.400	48.85	-4.51	54.0	5.15	AV	184.00	150	Vertical	Pass
3	5671.800	101.15	-2.29	--	--	Peak	172.00	200	Vertical	N/A
3**	5671.800	93.28	-2.29	--	--	AV	172.00	200	Vertical	N/A
4	7401.638	49.38	-3.92	74.0	24.62	Peak	18.00	300	Vertical	Pass
4**	7401.638	40.78	-3.92	54.0	13.22	AV	18.00	300	Vertical	Pass
5	12264.125	53.12	1.25	74.0	20.88	Peak	115.00	150	Vertical	Pass
5**	12264.125	44.24	1.25	54.0	9.76	AV	115.00	150	Vertical	Pass
6	15901.312	55.94	0.29	74.0	18.06	Peak	133.00	200	Vertical	Pass
6**	15901.312	44.87	0.29	54.0	9.13	AV	133.00	200	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	1506.100	42.88	-16.83	74.0	31.12	Peak	335.00	300	Horizontal	Pass
1**	1506.100	33.63	-16.83	54.0	20.37	AV	335.00	300	Horizontal	Pass
2	4395.800	50.70	-3.95	74.0	23.30	Peak	14.00	400	Horizontal	Pass
2**	4395.800	40.78	-3.95	54.0	13.22	AV	14.00	400	Horizontal	Pass
3	5498.800	111.83	-1.67	--	--	Peak	0.00	200	Horizontal	N/A
3**	5498.800	104.49	-1.67	--	--	AV	0.00	200	Horizontal	N/A
4	7339.537	49.78	-2.93	74.0	24.22	Peak	360.00	200	Horizontal	Pass
4**	7339.537	42.04	-2.93	54.0	11.96	AV	360.00	200	Horizontal	Pass
5	12250.900	53.74	0.96	74.0	20.26	Peak	110.00	100	Horizontal	Pass
5**	12250.900	43.38	0.96	54.0	10.62	AV	110.00	100	Horizontal	Pass
6	15486.825	55.75	0.91	74.0	18.25	Peak	144.00	300	Horizontal	Pass
6**	15486.825	45.29	0.91	54.0	8.71	AV	144.00	300	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	1483.800	39.93	-16.89	74.0	34.07	Peak	81.00	300	Vertical	Pass
1**	1483.800	30.53	-16.89	54.0	23.47	AV	81.00	300	Vertical	Pass
2	3995.800	52.01	-4.39	74.0	21.99	Peak	129.00	300	Vertical	Pass
2**	3995.800	47.00	-4.39	54.0	7.00	AV	129.00	300	Vertical	Pass
3	5499.200	103.12	-1.70	--	--	Peak	155.00	150	Vertical	N/A
3**	5499.200	95.97	-1.70	--	--	AV	155.00	150	Vertical	N/A
4	7394.163	50.00	-3.85	74.0	24.00	Peak	289.00	200	Vertical	Pass
4**	7394.163	40.47	-3.85	54.0	13.53	AV	289.00	200	Vertical	Pass
5	12277.063	53.56	1.69	74.0	20.44	Peak	190.00	150	Vertical	Pass
5**	12277.063	44.38	1.69	54.0	9.62	AV	190.00	150	Vertical	Pass
6	15811.537	56.57	2.13	74.0	17.43	Peak	197.00	300	Vertical	Pass
6**	15811.537	47.24	2.13	54.0	6.76	AV	197.00	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	1511.900	43.51	-17.22	74.0	30.49	Peak	333.00	400	Horizontal	Pass
1**	1511.900	31.64	-17.22	54.0	22.36	AV	333.00	400	Horizontal	Pass
2	3996.400	50.47	-4.51	74.0	23.53	Peak	205.00	200	Horizontal	Pass
2**	3996.400	40.99	-4.51	54.0	13.01	AV	205.00	200	Horizontal	Pass
3	5581.000	112.36	-1.70	--	--	Peak	262.00	100	Horizontal	N/A
3**	5581.000	105.71	-1.70	--	--	AV	262.00	100	Horizontal	N/A
4	7404.513	49.84	-3.70	74.0	24.16	Peak	177.00	300	Horizontal	Pass
4**	7404.513	40.37	-3.70	54.0	13.63	AV	177.00	300	Horizontal	Pass
5	11959.375	54.21	0.95	74.0	19.79	Peak	33.00	100	Horizontal	Pass
5**	11959.375	43.59	0.95	54.0	10.41	AV	33.00	100	Horizontal	Pass
6	15502.838	55.80	1.23	74.0	18.20	Peak	11.00	400	Horizontal	Pass
6**	15502.838	46.90	1.23	54.0	7.10	AV	11.00	400	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	1467.300	40.36	-17.36	74.0	33.64	Peak	334.00	200	Vertical	Pass
1**	1467.300	33.83	-17.36	54.0	20.17	AV	334.00	200	Vertical	Pass
2	3996.200	52.79	-4.47	74.0	21.21	Peak	330.00	100	Vertical	Pass
2**	3996.200	47.98	-4.47	54.0	6.02	AV	330.00	100	Vertical	Pass
3	5579.000	104.44	-1.62	--	--	Peak	182.00	200	Vertical	N/A
3**	5579.000	97.74	-1.62	--	--	AV	182.00	200	Vertical	N/A
4	7359.088	50.39	-3.76	74.0	23.61	Peak	360.00	300	Vertical	Pass
4**	7359.088	40.62	-3.76	54.0	13.38	AV	360.00	300	Vertical	Pass
5	12246.300	53.65	1.00	74.0	20.35	Peak	291.00	150	Vertical	Pass
5**	12246.300	43.60	1.00	54.0	10.40	AV	291.00	150	Vertical	Pass
6	15804.188	56.48	2.28	74.0	17.52	Peak	160.00	300	Vertical	Pass
6**	15804.188	47.29	2.28	54.0	6.71	AV	160.00	300	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	1499.100	43.99	-17.10	74.0	30.01	Peak	10.00	400	Horizontal	Pass
1**	1499.100	31.24	-17.10	54.0	22.76	AV	10.00	400	Horizontal	Pass
2	4262.000	50.43	-4.63	74.0	23.57	Peak	360.00	300	Horizontal	Pass
2**	4262.000	40.18	-4.63	54.0	13.82	AV	360.00	300	Horizontal	Pass
3	5701.000	114.95	-1.44	--	--	Peak	307.00	200	Horizontal	N/A
3**	5701.000	108.02	-1.44	--	--	AV	307.00	200	Horizontal	N/A
4	7674.475	49.63	-2.40	74.0	24.37	Peak	360.00	400	Horizontal	Pass
4**	7674.475	40.77	-2.40	54.0	13.23	AV	360.00	400	Horizontal	Pass
5	11211.875	53.78	-0.21	74.0	20.22	Peak	360.00	150	Horizontal	Pass
5**	11211.875	43.13	-0.21	54.0	10.87	AV	360.00	150	Horizontal	Pass
6	15638.550	55.45	1.41	74.0	18.55	Peak	163.00	300	Horizontal	Pass
6**	15638.550	46.90	1.41	54.0	7.10	AV	163.00	300	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	1467.500	40.68	-17.36	74.0	33.32	Peak	126.00	100	Vertical	Pass
1**	1467.500	33.76	-17.36	54.0	20.24	AV	126.00	100	Vertical	Pass
2	4233.600	50.47	-3.94	74.0	23.53	Peak	232.00	400	Vertical	Pass
2**	4233.600	41.00	-3.94	54.0	13.00	AV	232.00	400	Vertical	Pass
3	5698.600	105.63	-1.03	--	--	Peak	160.00	200	Vertical	N/A
3**	5698.600	98.21	-1.03	--	--	AV	160.00	200	Vertical	N/A
4	7441.888	50.03	-3.39	74.0	23.97	Peak	287.00	200	Vertical	Pass
4**	7441.888	40.83	-3.39	54.0	13.17	AV	287.00	200	Vertical	Pass
5	12399.537	53.29	1.58	74.0	20.71	Peak	359.00	100	Vertical	Pass
5**	12399.537	43.96	1.58	54.0	10.04	AV	359.00	100	Vertical	Pass
6	16094.250	56.35	1.34	74.0	17.65	Peak	35.00	400	Vertical	Pass
6**	16094.250	46.86	1.34	54.0	7.14	AV	35.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1462.200	42.36	-17.34	74.0	31.64	Peak	338.00	400	Horizontal	Pass
1**	1462.200	30.21	-17.34	54.0	23.79	AV	338.00	400	Horizontal	Pass
2	4393.600	50.11	-3.73	74.0	23.89	Peak	19.00	300	Horizontal	Pass
2**	4393.600	41.37	-3.73	54.0	12.63	AV	19.00	300	Horizontal	Pass
3	5511.800	108.35	-0.93	--	--	Peak	360.00	100	Horizontal	N/A
3**	5511.800	101.07	-0.93	--	--	AV	360.00	100	Horizontal	N/A
4	7276.862	50.75	-3.12	74.0	23.25	Peak	231.00	100	Horizontal	Pass
4**	7276.862	40.36	-3.12	54.0	13.64	AV	231.00	100	Horizontal	Pass
5	12399.250	53.54	1.58	74.0	20.46	Peak	203.00	100	Horizontal	Pass
5**	12399.250	43.85	1.58	54.0	10.15	AV	203.00	100	Horizontal	Pass
6	15844.612	55.87	1.37	74.0	18.13	Peak	136.00	100	Horizontal	Pass
6**	15844.612	47.49	1.37	54.0	6.51	AV	136.00	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	1467.600	39.68	-17.36	74.0	34.32	Peak	8.00	100	Vertical	Pass
1**	1467.600	34.50	-17.36	54.0	19.50	AV	8.00	100	Vertical	Pass
2	3996.400	52.86	-4.51	74.0	21.14	Peak	185.00	150	Vertical	Pass
2**	3996.400	48.90	-4.51	54.0	5.10	AV	185.00	150	Vertical	Pass
3	5511.600	99.70	-0.92	--	--	Peak	128.00	200	Vertical	N/A
3**	5511.600	92.97	-0.92	--	--	AV	128.00	200	Vertical	N/A
4	7334.075	49.89	-3.17	74.0	24.11	Peak	299.00	200	Vertical	Pass
4**	7334.075	40.66	-3.17	54.0	13.34	AV	299.00	200	Vertical	Pass
5	12323.350	53.57	1.42	74.0	20.43	Peak	146.00	100	Vertical	Pass
5**	12323.350	44.05	1.42	54.0	9.95	AV	146.00	100	Vertical	Pass
6	15494.175	56.16	1.03	74.0	17.84	Peak	0.00	100	Vertical	Pass
6**	15494.175	45.80	1.03	54.0	8.20	AV	0.00	100	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	1498.000	42.44	-17.17	74.0	31.56	Peak	0.00	300	Horizontal	Pass
1**	1498.000	30.53	-17.17	54.0	23.47	AV	0.00	300	Horizontal	Pass
2	4225.600	50.58	-4.12	74.0	23.42	Peak	96.00	200	Horizontal	Pass
2**	4225.600	42.44	-4.12	54.0	11.56	AV	96.00	200	Horizontal	Pass
3	5591.600	108.96	-2.21	--	--	Peak	269.00	100	Horizontal	N/A
3**	5591.600	101.40	-2.21	--	--	AV	269.00	100	Horizontal	N/A
4	7347.013	49.80	-3.63	74.0	24.20	Peak	309.00	300	Horizontal	Pass
4**	7347.013	40.52	-3.63	54.0	13.48	AV	309.00	300	Horizontal	Pass
5	12622.638	53.41	1.69	74.0	20.59	Peak	287.00	200	Horizontal	Pass
5**	12622.638	44.05	1.69	54.0	9.95	AV	287.00	200	Horizontal	Pass
6	15459.787	55.71	1.53	74.0	18.29	Peak	150.00	200	Horizontal	Pass
6**	15459.787	46.00	1.53	54.0	8.00	AV	150.00	200	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	1467.200	40.00	-17.36	74.0	34.00	Peak	131.00	200	Vertical	Pass
1**	1467.200	33.41	-17.36	54.0	20.59	AV	131.00	200	Vertical	Pass
2	3996.000	50.91	-4.43	74.0	23.09	Peak	57.00	100	Vertical	Pass
2**	3996.000	47.16	-4.43	54.0	6.84	AV	57.00	100	Vertical	Pass
3	5591.400	100.93	-2.21	--	--	Peak	153.00	100	Vertical	N/A
3**	5591.400	94.40	-2.21	--	--	AV	153.00	100	Vertical	N/A
4	7340.400	49.62	-3.01	74.0	24.38	Peak	184.00	300	Vertical	Pass
4**	7340.400	40.80	-3.01	54.0	13.20	AV	184.00	300	Vertical	Pass
5	11901.013	53.44	1.70	74.0	20.56	Peak	360.00	100	Vertical	Pass
5**	11901.013	44.06	1.70	54.0	9.94	AV	360.00	100	Vertical	Pass
6	15644.588	56.58	1.25	74.0	17.42	Peak	0.00	400	Vertical	Pass
6**	15644.588	46.57	1.25	54.0	7.43	AV	0.00	400	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	1462.400	41.76	-17.35	74.0	32.24	Peak	204.00	300	Horizontal	Pass
1**	1462.400	30.50	-17.35	54.0	23.50	AV	204.00	300	Horizontal	Pass
2	4385.200	50.01	-3.43	74.0	23.99	Peak	227.00	200	Horizontal	Pass
2**	4385.200	41.30	-3.43	54.0	12.70	AV	227.00	200	Horizontal	Pass
3	5671.800	111.02	-2.29	--	--	Peak	301.00	200	Horizontal	N/A
3**	5671.800	102.71	-2.29	--	--	AV	301.00	200	Horizontal	N/A
4	7391.288	50.34	-3.88	74.0	23.66	Peak	232.00	300	Horizontal	Pass
4**	7391.288	40.80	-3.88	54.0	13.20	AV	232.00	300	Horizontal	Pass
5	12284.826	54.23	1.78	74.0	19.77	Peak	253.00	100	Horizontal	Pass
5**	12284.826	43.75	1.78	54.0	10.25	AV	253.00	100	Horizontal	Pass
6	15677.138	56.44	1.56	74.0	17.56	Peak	83.00	100	Horizontal	Pass
6**	15677.138	46.61	1.56	54.0	7.39	AV	83.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.200	40.78	-17.21	74.0	33.22	Peak	112.00	400	Vertical	Pass
1**	1498.200	29.34	-17.21	54.0	24.66	AV	112.00	400	Vertical	Pass
2	4392.000	50.54	-3.50	74.0	23.46	Peak	349.00	400	Vertical	Pass
2**	4392.000	41.30	-3.50	54.0	12.70	AV	349.00	400	Vertical	Pass
3	5671.400	101.04	-2.32	--	--	Peak	163.00	100	Vertical	N/A
3**	5671.400	94.01	-2.32	--	--	AV	163.00	100	Vertical	N/A
4	7318.837	49.61	-3.00	74.0	24.39	Peak	360.00	200	Vertical	Pass
4**	7318.837	40.42	-3.00	54.0	13.58	AV	360.00	200	Vertical	Pass
5	12438.350	53.66	1.75	74.0	20.34	Peak	286.00	150	Vertical	Pass
5**	12438.350	44.23	1.75	54.0	9.77	AV	286.00	150	Vertical	Pass
6	16185.338	55.62	1.53	74.0	18.38	Peak	316.00	100	Vertical	Pass
6**	16185.338	46.27	1.53	54.0	7.73	AV	316.00	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	1503.600	42.15	-16.96	74.0	31.85	Peak	326.00	100	Horizontal	Pass
1**	1503.600	34.72	-16.96	54.0	19.28	AV	326.00	100	Horizontal	Pass
2	4394.200	50.09	-3.81	74.0	23.91	Peak	357.00	400	Horizontal	Pass
2**	4394.200	41.54	-3.81	54.0	12.46	AV	357.00	400	Horizontal	Pass
3	5531.800	105.78	-2.15	--	--	Peak	357.00	200	Horizontal	N/A
3**	5531.800	99.29	-2.15	--	--	AV	357.00	200	Horizontal	N/A
4	7343.850	49.89	-3.43	74.0	24.11	Peak	37.00	400	Horizontal	Pass
4**	7343.850	41.19	-3.43	54.0	12.81	AV	37.00	400	Horizontal	Pass
5	11948.450	53.53	1.44	74.0	20.47	Peak	176.00	200	Horizontal	Pass
5**	11948.450	43.74	1.44	54.0	10.26	AV	176.00	200	Horizontal	Pass
6	15811.537	56.30	2.13	74.0	17.70	Peak	360.00	100	Horizontal	Pass
6**	15811.537	46.98	2.13	54.0	7.02	AV	360.00	100	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	1534.400	40.01	-17.17	74.0	33.99	Peak	35.00	200	Vertical	Pass
1**	1534.400	31.59	-17.17	54.0	22.41	AV	35.00	200	Vertical	Pass
2	3996.000	51.70	-4.43	74.0	22.30	Peak	189.00	300	Vertical	Pass
2**	3996.000	44.29	-4.43	54.0	9.71	AV	189.00	300	Vertical	Pass
3	5532.200	96.92	-2.18	--	--	Peak	159.00	100	Vertical	N/A
3**	5532.200	90.06	-2.18	--	--	AV	159.00	100	Vertical	N/A
4	7344.425	50.69	-3.47	74.0	23.31	Peak	360.00	400	Vertical	Pass
4**	7344.425	40.95	-3.47	54.0	13.05	AV	360.00	400	Vertical	Pass
5	12287.412	53.19	1.72	74.0	20.81	Peak	39.00	200	Vertical	Pass
5**	12287.412	43.99	1.72	54.0	10.01	AV	39.00	200	Vertical	Pass
6	15834.900	56.22	1.45	74.0	17.78	Peak	316.00	400	Vertical	Pass
6**	15834.900	46.76	1.45	54.0	7.24	AV	316.00	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	1498.200	43.30	-17.21	74.0	30.70	Peak	315.00	100	Horizontal	Pass
1**	1498.200	31.63	-17.21	54.0	22.37	AV	315.00	100	Horizontal	Pass
2	2747.400	52.01	-10.64	74.0	21.99	Peak	199.00	150	Horizontal	Pass
2**	2747.400	49.39	-10.64	54.0	4.61	AV	199.00	150	Horizontal	Pass
3	5611.400	105.66	-1.88	--	--	Peak	309.00	200	Horizontal	N/A
3**	5611.400	98.92	-1.88	--	--	AV	309.00	200	Horizontal	N/A
4	7631.638	49.81	-2.91	74.0	24.19	Peak	360.00	100	Horizontal	Pass
4**	7631.638	40.85	-2.91	54.0	13.15	AV	360.00	100	Horizontal	Pass
5	12280.225	53.18	1.80	74.0	20.82	Peak	0.00	150	Horizontal	Pass
5**	12280.225	44.28	1.80	54.0	9.72	AV	0.00	150	Horizontal	Pass
6	15635.662	56.05	1.53	74.0	17.95	Peak	235.00	200	Horizontal	Pass
6**	15635.662	46.14	1.53	54.0	7.86	AV	235.00	200	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	1496.800	40.49	-16.94	74.0	33.51	Peak	87.00	300	Vertical	Pass
1**	1496.800	32.12	-16.94	54.0	21.88	AV	87.00	300	Vertical	Pass
2	3996.200	50.70	-4.47	74.0	23.30	Peak	153.00	150	Vertical	Pass
2**	3996.200	49.19	-4.47	54.0	4.81	AV	153.00	150	Vertical	Pass
3	5611.800	98.74	-1.85	--	--	Peak	153.00	150	Vertical	N/A
3**	5611.800	91.68	-1.85	--	--	AV	153.00	150	Vertical	N/A
4	7627.612	49.65	-2.79	74.0	24.35	Peak	0.00	200	Vertical	Pass
4**	7627.612	40.61	-2.79	54.0	13.39	AV	0.00	200	Vertical	Pass
5	12242.275	54.12	1.04	74.0	19.88	Peak	275.00	150	Vertical	Pass
5**	12242.275	44.02	1.04	54.0	9.98	AV	275.00	150	Vertical	Pass
6	15804.713	56.33	2.27	74.0	17.67	Peak	0.00	100	Vertical	Pass
6**	15804.713	46.90	2.27	54.0	7.10	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.100	43.94	-17.10	74.0	30.06	Peak	335.00	300	Horizontal	Pass
1**	1499.100	31.45	-17.10	54.0	22.55	AV	335.00	300	Horizontal	Pass
2	4389.000	50.08	-3.37	74.0	23.92	Peak	256.00	300	Horizontal	Pass
2**	4389.000	41.28	-3.37	54.0	12.72	AV	256.00	300	Horizontal	Pass
3	5746.000	114.67	-2.21	--	--	Peak	303.00	100	Horizontal	N/A
3**	5746.000	108.31	-2.21	--	--	AV	303.00	100	Horizontal	N/A
4	7337.238	50.29	-2.96	74.0	23.71	Peak	229.00	200	Horizontal	Pass
4**	7337.238	41.16	-2.96	54.0	12.84	AV	229.00	200	Horizontal	Pass
5	12349.513	54.23	1.23	74.0	19.77	Peak	315.00	150	Horizontal	Pass
5**	12349.513	43.56	1.23	54.0	10.44	AV	315.00	150	Horizontal	Pass
6	15802.350	55.66	2.30	74.0	18.34	Peak	0.00	400	Horizontal	Pass
6**	15802.350	47.73	2.30	54.0	6.27	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.300	40.50	-16.85	74.0	33.50	Peak	87.00	300	Vertical	Pass
1**	1496.300	29.98	-16.85	54.0	24.02	AV	87.00	300	Vertical	Pass
2	4385.200	51.01	-3.43	74.0	22.99	Peak	360.00	100	Vertical	Pass
2**	4385.200	41.79	-3.43	54.0	12.21	AV	360.00	100	Vertical	Pass
3	5743.800	103.67	-2.07	--	--	Peak	156.00	200	Vertical	N/A
3**	5743.800	97.10	-2.07	--	--	AV	156.00	200	Vertical	N/A
4	7630.488	49.69	-2.93	74.0	24.31	Peak	0.00	100	Vertical	Pass
4**	7630.488	40.89	-2.93	54.0	13.11	AV	0.00	100	Vertical	Pass
5	11917.400	53.57	1.49	74.0	20.43	Peak	360.00	100	Vertical	Pass
5**	11917.400	44.48	1.49	54.0	9.52	AV	360.00	100	Vertical	Pass
6	15844.875	56.15	1.37	74.0	17.85	Peak	274.00	150	Vertical	Pass
6**	15844.875	47.14	1.37	54.0	6.86	AV	274.00	150	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	1500.200	42.56	-16.90	74.0	31.44	Peak	12.00	300	Horizontal	Pass
1**	1500.200	32.09	-16.90	54.0	21.91	AV	12.00	300	Horizontal	Pass
2	4217.000	50.14	-4.70	74.0	23.86	Peak	0.00	100	Horizontal	Pass
2**	4217.000	39.95	-4.70	54.0	14.05	AV	0.00	100	Horizontal	Pass
3	5784.400	114.58	-1.61	--	--	Peak	316.00	150	Horizontal	N/A
3**	5784.400	106.73	-1.61	--	--	AV	316.00	150	Horizontal	N/A
4	7349.313	50.41	-3.70	74.0	23.59	Peak	196.00	400	Horizontal	Pass
4**	7349.313	41.65	-3.70	54.0	12.35	AV	196.00	400	Horizontal	Pass
5	12281.950	53.83	1.79	74.0	20.17	Peak	0.00	100	Horizontal	Pass
5**	12281.950	44.45	1.79	54.0	9.55	AV	0.00	100	Horizontal	Pass
6	15511.763	56.43	1.43	74.0	17.57	Peak	220.00	200	Horizontal	Pass
6**	15511.763	46.17	1.43	54.0	7.83	AV	220.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.100	39.90	-17.14	74.0	34.10	Peak	227.00	100	Vertical	Pass
1**	1481.100	29.24	-17.14	54.0	24.76	AV	227.00	100	Vertical	Pass
2	3996.000	51.30	-4.43	74.0	22.70	Peak	45.00	100	Vertical	Pass
2**	3996.000	45.24	-4.43	54.0	8.76	AV	45.00	100	Vertical	Pass
3	5784.000	105.19	-1.57	--	--	Peak	155.00	150	Vertical	N/A
3**	5784.000	98.80	-1.57	--	--	AV	155.00	150	Vertical	N/A
4	7703.225	49.90	-2.69	74.0	24.10	Peak	0.00	400	Vertical	Pass
4**	7703.225	39.31	-2.69	54.0	14.69	AV	0.00	400	Vertical	Pass
5	11501.963	52.58	-0.00	74.0	21.42	Peak	97.00	150	Vertical	Pass
5**	11501.963	43.97	-0.00	54.0	10.03	AV	97.00	150	Vertical	Pass
6	15819.150	55.54	1.91	74.0	18.46	Peak	287.00	150	Vertical	Pass
6**	15819.150	46.09	1.91	54.0	7.91	AV	287.00	150	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	1581.900	42.88	-17.10	74.0	31.12	Peak	162.00	300	Horizontal	Pass
1**	1581.900	35.08	-17.10	54.0	18.92	AV	162.00	300	Horizontal	Pass
2	4384.600	50.27	-3.54	74.0	23.73	Peak	360.00	300	Horizontal	Pass
2**	4384.600	41.24	-3.54	54.0	12.76	AV	360.00	300	Horizontal	Pass
3	5826.800	113.50	-2.00	--	--	Peak	308.00	100	Horizontal	N/A
3**	5826.800	105.56	-2.00	--	--	AV	308.00	100	Horizontal	N/A
4	7354.487	49.78	-3.76	74.0	24.22	Peak	93.00	300	Horizontal	Pass
4**	7354.487	41.45	-3.76	54.0	12.55	AV	93.00	300	Horizontal	Pass
5	12696.813	53.10	0.83	74.0	20.90	Peak	317.00	100	Horizontal	Pass
5**	12696.813	44.26	0.83	54.0	9.74	AV	317.00	100	Horizontal	Pass
6	15883.201	55.85	0.21	74.0	18.15	Peak	292.00	300	Horizontal	Pass
6**	15883.201	45.71	0.21	54.0	8.29	AV	292.00	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	1504.700	40.32	-16.85	74.0	33.68	Peak	88.00	100	Vertical	Pass
1**	1504.700	30.98	-16.85	54.0	23.02	AV	88.00	100	Vertical	Pass
2	4370.200	50.88	-4.08	74.0	23.12	Peak	360.00	200	Vertical	Pass
2**	4370.200	40.82	-4.08	54.0	13.18	AV	360.00	200	Vertical	Pass
3	5823.600	104.42	-2.13	--	--	Peak	160.00	100	Vertical	N/A
3**	5823.600	97.59	-2.13	--	--	AV	160.00	100	Vertical	N/A
4	7450.800	49.53	-3.19	74.0	24.47	Peak	21.00	400	Vertical	Pass
4**	7450.800	40.82	-3.19	54.0	13.18	AV	21.00	400	Vertical	Pass
5	12600.500	52.99	1.90	74.0	21.01	Peak	41.00	200	Vertical	Pass
5**	12600.500	44.12	1.90	54.0	9.88	AV	41.00	200	Vertical	Pass
6	15805.763	56.71	2.25	74.0	17.29	Peak	118.00	300	Vertical	Pass
6**	15805.763	46.71	2.25	54.0	7.29	AV	118.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.600	43.61	-16.86	74.0	30.39	Peak	360.00	300	Horizontal	Pass
1**	1504.600	30.77	-16.86	54.0	23.23	AV	360.00	300	Horizontal	Pass
2	4386.000	50.64	-3.30	74.0	23.36	Peak	360.00	400	Horizontal	Pass
2**	4386.000	42.10	-3.30	54.0	11.90	AV	360.00	400	Horizontal	Pass
3	5743.800	113.80	-2.07	--	--	Peak	309.00	200	Horizontal	N/A
3**	5743.800	106.39	-2.07	--	--	AV	309.00	200	Horizontal	N/A
4	7687.125	50.22	-2.08	74.0	23.78	Peak	185.00	200	Horizontal	Pass
4**	7687.125	40.66	-2.08	54.0	13.34	AV	185.00	200	Horizontal	Pass
5	12321.912	53.86	1.42	74.0	20.14	Peak	0.00	200	Horizontal	Pass
5**	12321.912	44.32	1.42	54.0	9.68	AV	0.00	200	Horizontal	Pass
6	15872.175	56.11	0.52	74.0	17.89	Peak	292.00	300	Horizontal	Pass
6**	15872.175	45.74	0.52	54.0	8.26	AV	292.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.600	40.03	-17.23	74.0	33.97	Peak	253.00	400	Vertical	Pass
1**	1445.600	29.37	-17.23	54.0	24.63	AV	253.00	400	Vertical	Pass
2	4387.400	50.36	-3.35	74.0	23.64	Peak	30.00	400	Vertical	Pass
2**	4387.400	42.35	-3.35	54.0	11.65	AV	30.00	400	Vertical	Pass
3	5744.400	103.81	-2.09	--	--	Peak	149.00	200	Vertical	N/A
3**	5744.400	97.14	-2.09	--	--	AV	149.00	200	Vertical	N/A
4	7448.212	50.63	-3.27	74.0	23.37	Peak	181.00	400	Vertical	Pass
4**	7448.212	41.79	-3.27	54.0	12.21	AV	181.00	400	Vertical	Pass
5	11940.688	53.55	1.67	74.0	20.45	Peak	0.00	100	Vertical	Pass
5**	11940.688	43.73	1.67	54.0	10.27	AV	0.00	100	Vertical	Pass
6	15806.026	56.06	2.25	74.0	17.94	Peak	265.00	400	Vertical	Pass
6**	15806.026	46.32	2.25	54.0	7.68	AV	265.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.400	42.87	-16.86	74.0	31.13	Peak	358.00	100	Horizontal	Pass
1**	1500.400	31.83	-16.86	54.0	22.17	AV	358.00	100	Horizontal	Pass
2	4385.600	50.89	-3.36	74.0	23.11	Peak	150.00	300	Horizontal	Pass
2**	4385.600	41.51	-3.36	54.0	12.49	AV	150.00	300	Horizontal	Pass
3	5784.200	113.58	-1.59	--	--	Peak	325.00	100	Horizontal	N/A
3**	5784.200	105.18	-1.59	--	--	AV	325.00	100	Horizontal	N/A
4	7272.838	49.83	-2.97	74.0	24.17	Peak	267.00	400	Horizontal	Pass
4**	7272.838	39.87	-2.97	54.0	14.13	AV	267.00	400	Horizontal	Pass
5	11947.588	53.21	1.47	74.0	20.79	Peak	62.00	200	Horizontal	Pass
5**	11947.588	43.97	1.47	54.0	10.03	AV	62.00	200	Horizontal	Pass
6	16077.975	56.03	1.60	74.0	17.97	Peak	324.00	100	Horizontal	Pass
6**	16077.975	46.61	1.60	54.0	7.39	AV	324.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.400	40.51	-17.36	74.0	33.49	Peak	132.00	200	Vertical	Pass
1**	1467.400	34.40	-17.36	54.0	19.60	AV	132.00	200	Vertical	Pass
2	3995.800	52.32	-4.39	74.0	21.68	Peak	120.00	100	Vertical	Pass
2**	3995.800	41.99	-4.39	54.0	12.01	AV	120.00	100	Vertical	Pass
3	5783.600	104.77	-1.51	--	--	Peak	151.00	100	Vertical	N/A
3**	5783.600	96.35	-1.51	--	--	AV	151.00	100	Vertical	N/A
4	7402.500	50.04	-3.80	74.0	23.96	Peak	232.00	400	Vertical	Pass
4**	7402.500	40.56	-3.80	54.0	13.44	AV	232.00	400	Vertical	Pass
5	12437.200	53.52	1.73	74.0	20.48	Peak	104.00	150	Vertical	Pass
5**	12437.200	44.01	1.73	54.0	9.99	AV	104.00	150	Vertical	Pass
6	16035.450	55.83	0.76	74.0	18.17	Peak	160.00	200	Vertical	Pass
6**	16035.450	46.66	0.76	54.0	7.34	AV	160.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.600	42.78	-16.87	74.0	31.22	Peak	360.00	200	Horizontal	Pass
1**	1494.600	30.61	-16.87	54.0	23.39	AV	360.00	200	Horizontal	Pass
2	4387.600	50.37	-3.37	74.0	23.63	Peak	138.00	100	Horizontal	Pass
2**	4387.600	42.36	-3.37	54.0	11.64	AV	138.00	100	Horizontal	Pass
3	5824.400	112.35	-2.13	--	--	Peak	323.00	100	Horizontal	N/A
3**	5824.400	106.17	-2.13	--	--	AV	323.00	100	Horizontal	N/A
4	7589.375	49.65	-3.20	74.0	24.35	Peak	61.00	300	Horizontal	Pass
4**	7589.375	40.54	-3.20	54.0	13.46	AV	61.00	300	Horizontal	Pass
5	12408.738	53.56	1.45	74.0	20.44	Peak	77.00	150	Horizontal	Pass
5**	12408.738	44.14	1.45	54.0	9.86	AV	77.00	150	Horizontal	Pass
6	16117.613	56.08	0.65	74.0	17.92	Peak	33.00	200	Horizontal	Pass
6**	16117.613	46.31	0.65	54.0	7.69	AV	33.00	200	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	1505.000	39.68	-16.84	74.0	34.32	Peak	92.00	400	Vertical	Pass
1**	1505.000	29.97	-16.84	54.0	24.03	AV	92.00	400	Vertical	Pass
2	4393.600	50.77	-3.73	74.0	23.23	Peak	142.00	100	Vertical	Pass
2**	4393.600	41.24	-3.73	54.0	12.76	AV	142.00	100	Vertical	Pass
3	5824.800	103.73	-2.12	--	--	Peak	153.00	100	Vertical	N/A
3**	5824.800	97.79	-2.12	--	--	AV	153.00	100	Vertical	N/A
4	7326.600	49.58	-3.41	74.0	24.42	Peak	142.00	300	Vertical	Pass
4**	7326.600	41.06	-3.41	54.0	12.94	AV	142.00	300	Vertical	Pass
5	12602.800	53.54	1.91	74.0	20.46	Peak	205.00	100	Vertical	Pass
5**	12602.800	44.33	1.91	54.0	9.67	AV	205.00	100	Vertical	Pass
6	16035.188	56.28	0.76	74.0	17.72	Peak	163.00	100	Vertical	Pass
6**	16035.188	47.79	0.76	54.0	6.21	AV	163.00	100	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	1486.600	42.99	-16.74	74.0	31.01	Peak	0.00	100	Horizontal	Pass
1**	1486.600	31.54	-16.74	54.0	22.46	AV	0.00	100	Horizontal	Pass
2	4396.200	50.31	-3.97	74.0	23.69	Peak	279.00	200	Horizontal	Pass
2**	4396.200	42.26	-3.97	54.0	11.74	AV	279.00	200	Horizontal	Pass
3	5756.400	109.96	-1.90	--	--	Peak	321.00	150	Horizontal	N/A
3**	5756.400	103.35	-1.90	--	--	AV	321.00	150	Horizontal	N/A
4	7344.425	49.88	-3.47	74.0	24.12	Peak	142.00	200	Horizontal	Pass
4**	7344.425	41.11	-3.47	54.0	12.89	AV	142.00	200	Horizontal	Pass
5	12266.138	53.42	1.33	74.0	20.58	Peak	79.00	200	Horizontal	Pass
5**	12266.138	43.90	1.33	54.0	10.10	AV	79.00	200	Horizontal	Pass
6	15839.625	56.54	1.45	74.0	17.46	Peak	162.00	400	Horizontal	Pass
6**	15839.625	47.25	1.45	54.0	6.75	AV	162.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.300	40.05	-17.36	74.0	33.95	Peak	109.00	300	Vertical	Pass
1**	1467.300	33.44	-17.36	54.0	20.56	AV	109.00	300	Vertical	Pass
2	3995.800	52.58	-4.39	74.0	21.42	Peak	313.00	400	Vertical	Pass
2**	3995.800	45.34	-4.39	54.0	8.66	AV	313.00	400	Vertical	Pass
3	5756.600	100.43	-1.86	--	--	Peak	148.00	200	Vertical	N/A
3**	5756.600	92.95	-1.86	--	--	AV	148.00	200	Vertical	N/A
4	7685.975	49.86	-1.99	74.0	24.14	Peak	90.00	300	Vertical	Pass
4**	7685.975	40.82	-1.99	54.0	13.18	AV	90.00	300	Vertical	Pass
5	12284.826	53.10	1.78	74.0	20.90	Peak	138.00	150	Vertical	Pass
5**	12284.826	44.53	1.78	54.0	9.47	AV	138.00	150	Vertical	Pass
6	16117.613	55.65	0.65	74.0	18.35	Peak	349.00	200	Vertical	Pass
6**	16117.613	46.76	0.65	54.0	7.24	AV	349.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.700	41.49	-16.99	74.0	32.51	Peak	0.00	300	Horizontal	Pass
1**	1499.700	30.60	-16.99	54.0	23.40	AV	0.00	300	Horizontal	Pass
2	4386.200	50.32	-3.27	74.0	23.68	Peak	27.00	100	Horizontal	Pass
2**	4386.200	41.64	-3.27	54.0	12.36	AV	27.00	100	Horizontal	Pass
3	5796.200	108.80	-1.69	--	--	Peak	318.00	150	Horizontal	N/A
3**	5796.200	101.48	-1.69	--	--	AV	318.00	150	Horizontal	N/A
4	7499.962	50.57	-3.55	74.0	23.43	Peak	300.00	100	Horizontal	Pass
4**	7499.962	41.43	-3.55	54.0	12.57	AV	300.00	100	Horizontal	Pass
5	11825.401	53.44	1.14	74.0	20.56	Peak	30.00	200	Horizontal	Pass
5**	11825.401	42.91	1.14	54.0	11.09	AV	30.00	200	Horizontal	Pass
6	16035.188	56.25	0.76	74.0	17.75	Peak	0.00	300	Horizontal	Pass
6**	16035.188	46.07	0.76	54.0	7.93	AV	0.00	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	1467.400	39.47	-17.36	74.0	34.53	Peak	207.00	100	Vertical	Pass
1**	1467.400	34.39	-17.36	54.0	19.61	AV	207.00	100	Vertical	Pass
2	3995.800	50.95	-4.39	74.0	23.05	Peak	171.00	200	Vertical	Pass
2**	3995.800	42.92	-4.39	54.0	11.08	AV	171.00	200	Vertical	Pass
3	5796.400	99.88	-1.70	--	--	Peak	264.00	200	Vertical	N/A
3**	5796.400	93.63	-1.70	--	--	AV	264.00	200	Vertical	N/A
4	7449.937	49.78	-3.21	74.0	24.22	Peak	283.00	200	Vertical	Pass
4**	7449.937	40.88	-3.21	54.0	13.12	AV	283.00	200	Vertical	Pass
5	12280.225	53.33	1.80	74.0	20.67	Peak	77.00	200	Vertical	Pass
5**	12280.225	44.33	1.80	54.0	9.67	AV	77.00	200	Vertical	Pass
6	15797.625	56.41	2.26	74.0	17.59	Peak	217.00	200	Vertical	Pass
6**	15797.625	47.24	2.26	54.0	6.76	AV	217.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.200	41.74	-16.75	74.0	32.26	Peak	358.00	100	Horizontal	Pass
1**	1489.200	32.01	-16.75	54.0	21.99	AV	358.00	100	Horizontal	Pass
2	4387.000	50.91	-3.33	74.0	23.09	Peak	0.00	300	Horizontal	Pass
2**	4387.000	41.41	-3.33	54.0	12.59	AV	0.00	300	Horizontal	Pass
3	5744.200	113.82	-2.07	--	--	Peak	324.00	150	Horizontal	N/A
3**	5744.200	106.55	-2.07	--	--	AV	324.00	150	Horizontal	N/A
4	7445.338	50.28	-3.16	74.0	23.72	Peak	63.00	100	Horizontal	Pass
4**	7445.338	40.67	-3.16	54.0	13.33	AV	63.00	100	Horizontal	Pass
5	12410.174	53.52	1.44	74.0	20.48	Peak	252.00	100	Horizontal	Pass
5**	12410.174	43.76	1.44	54.0	10.24	AV	252.00	100	Horizontal	Pass
6	15860.625	56.21	0.91	74.0	17.79	Peak	125.00	200	Horizontal	Pass
6**	15860.625	46.19	0.91	54.0	7.81	AV	125.00	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	1537.800	39.80	-17.05	74.0	34.20	Peak	139.00	200	Vertical	Pass
1**	1537.800	30.24	-17.05	54.0	23.76	AV	139.00	200	Vertical	Pass
2	4395.400	50.85	-3.93	74.0	23.15	Peak	27.00	100	Vertical	Pass
2**	4395.400	41.33	-3.93	54.0	12.67	AV	27.00	100	Vertical	Pass
3	5744.600	103.70	-2.10	--	--	Peak	149.00	150	Vertical	N/A
3**	5744.600	97.16	-2.10	--	--	AV	149.00	150	Vertical	N/A
4	7338.962	50.30	-2.92	74.0	23.70	Peak	206.00	300	Vertical	Pass
4**	7338.962	41.56	-2.92	54.0	12.44	AV	206.00	300	Vertical	Pass
5	12282.526	53.60	1.79	74.0	20.40	Peak	0.00	150	Vertical	Pass
5**	12282.526	45.37	1.79	54.0	8.63	AV	0.00	150	Vertical	Pass
6	15500.474	57.03	1.17	74.0	16.97	Peak	68.00	300	Vertical	Pass
6**	15500.474	46.27	1.17	54.0	7.73	AV	68.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.100	44.32	-16.92	74.0	29.68	Peak	360.00	200	Horizontal	Pass
1**	1500.100	33.00	-16.92	54.0	21.00	AV	360.00	200	Horizontal	Pass
2	4387.400	51.10	-3.35	74.0	22.90	Peak	284.00	200	Horizontal	Pass
2**	4387.400	41.82	-3.35	54.0	12.18	AV	284.00	200	Horizontal	Pass
3	5784.200	113.11	-1.59	--	--	Peak	315.00	100	Horizontal	N/A
3**	5784.200	106.27	-1.59	--	--	AV	315.00	100	Horizontal	N/A
4	7407.100	50.20	-3.77	74.0	23.80	Peak	77.00	300	Horizontal	Pass
4**	7407.100	40.17	-3.77	54.0	13.83	AV	77.00	300	Horizontal	Pass
5	12623.213	53.89	1.67	74.0	20.11	Peak	29.00	200	Horizontal	Pass
5**	12623.213	43.82	1.67	54.0	10.18	AV	29.00	200	Horizontal	Pass
6	15835.162	56.27	1.45	74.0	17.73	Peak	106.00	400	Horizontal	Pass
6**	15835.162	46.71	1.45	54.0	7.29	AV	106.00	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	1467.100	40.02	-17.36	74.0	33.98	Peak	153.00	200	Vertical	Pass
1**	1467.100	33.58	-17.36	54.0	20.42	AV	153.00	200	Vertical	Pass
2	3996.000	52.05	-4.43	74.0	21.95	Peak	139.00	400	Vertical	Pass
2**	3996.000	48.68	-4.43	54.0	5.32	AV	139.00	400	Vertical	Pass
3	5785.200	104.06	-1.63	--	--	Peak	149.00	100	Vertical	N/A
3**	5785.200	98.30	-1.63	--	--	AV	149.00	100	Vertical	N/A
4	7449.650	49.78	-3.22	74.0	24.22	Peak	207.00	200	Vertical	Pass
4**	7449.650	40.72	-3.22	54.0	13.28	AV	207.00	200	Vertical	Pass
5	12263.550	53.94	1.23	74.0	20.06	Peak	144.00	100	Vertical	Pass
5**	12263.550	44.02	1.23	54.0	9.98	AV	144.00	100	Vertical	Pass
6	15842.775	56.82	1.40	74.0	17.18	Peak	234.00	300	Vertical	Pass
6**	15842.775	47.10	1.40	54.0	6.90	AV	234.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.800	42.19	-17.13	74.0	31.81	Peak	0.00	100	Horizontal	Pass
1**	1497.800	30.12	-17.13	54.0	23.88	AV	0.00	100	Horizontal	Pass
2	4397.600	50.30	-4.27	74.0	23.70	Peak	336.00	200	Horizontal	Pass
2**	4397.600	40.51	-4.27	54.0	13.49	AV	336.00	200	Horizontal	Pass
3	5825.400	112.53	-2.08	--	--	Peak	325.00	100	Horizontal	N/A
3**	5825.400	105.41	-2.08	--	--	AV	325.00	100	Horizontal	N/A
4	7339.537	50.19	-2.93	74.0	23.81	Peak	223.00	300	Horizontal	Pass
4**	7339.537	40.95	-2.93	54.0	13.05	AV	223.00	300	Horizontal	Pass
5	12382.287	53.69	1.49	74.0	20.31	Peak	317.00	100	Horizontal	Pass
5**	12382.287	43.01	1.49	54.0	10.99	AV	317.00	100	Horizontal	Pass
6	15848.025	56.41	1.35	74.0	17.59	Peak	308.00	100	Horizontal	Pass
6**	15848.025	46.87	1.35	54.0	7.13	AV	308.00	100	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	1503.900	39.82	-16.93	74.0	34.18	Peak	104.00	100	Vertical	Pass
1**	1503.900	30.27	-16.93	54.0	23.73	AV	104.00	100	Vertical	Pass
2	3996.000	51.53	-4.43	74.0	22.47	Peak	171.00	400	Vertical	Pass
2**	3996.000	47.70	-4.43	54.0	6.30	AV	171.00	400	Vertical	Pass
3	5824.000	104.70	-2.13	--	--	Peak	150.00	200	Vertical	N/A
3**	5824.000	96.86	-2.13	--	--	AV	150.00	200	Vertical	N/A
4	7676.487	49.99	-2.52	74.0	24.01	Peak	285.00	200	Vertical	Pass
4**	7676.487	41.06	-2.52	54.0	12.94	AV	285.00	200	Vertical	Pass
5	12296.612	53.32	1.54	74.0	20.68	Peak	300.00	100	Vertical	Pass
5**	12296.612	44.50	1.54	54.0	9.50	AV	300.00	100	Vertical	Pass
6	15831.487	56.03	1.48	74.0	17.97	Peak	307.00	200	Vertical	Pass
6**	15831.487	46.81	1.48	54.0	7.19	AV	307.00	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	1496.900	41.59	-16.96	74.0	32.41	Peak	306.00	300	Horizontal	Pass
1**	1496.900	32.62	-16.96	54.0	21.38	AV	306.00	300	Horizontal	Pass
2	4297.600	50.52	-4.02	74.0	23.48	Peak	47.00	400	Horizontal	Pass
2**	4297.600	40.63	-4.02	54.0	13.37	AV	47.00	400	Horizontal	Pass
3	5756.200	110.61	-1.94	--	--	Peak	323.00	100	Horizontal	N/A
3**	5756.200	104.27	-1.94	--	--	AV	323.00	100	Horizontal	N/A
4	7690.000	50.35	-2.38	74.0	23.65	Peak	360.00	400	Horizontal	Pass
4**	7690.000	40.40	-2.38	54.0	13.60	AV	360.00	400	Horizontal	Pass
5	12277.638	53.60	1.72	74.0	20.40	Peak	360.00	200	Horizontal	Pass
5**	12277.638	44.12	1.72	54.0	9.88	AV	360.00	200	Horizontal	Pass
6	16007.099	56.32	0.38	74.0	17.68	Peak	104.00	100	Horizontal	Pass
6**	16007.099	45.82	0.38	54.0	8.18	AV	104.00	100	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	1499.100	41.12	-17.10	74.0	32.88	Peak	98.00	400	Vertical	Pass
1**	1499.100	29.37	-17.10	54.0	24.63	AV	98.00	400	Vertical	Pass
2	4390.600	50.72	-3.33	74.0	23.28	Peak	290.00	200	Vertical	Pass
2**	4390.600	41.49	-3.33	54.0	12.51	AV	290.00	200	Vertical	Pass
3	5752.200	99.82	-1.96	--	--	Peak	148.00	100	Vertical	N/A
3**	5752.200	91.30	-1.96	--	--	AV	148.00	100	Vertical	N/A
4	7721.050	50.10	-2.71	74.0	23.90	Peak	189.00	400	Vertical	Pass
4**	7721.050	40.92	-2.71	54.0	13.08	AV	189.00	400	Vertical	Pass
5	12399.250	53.65	1.58	74.0	20.35	Peak	316.00	200	Vertical	Pass
5**	12399.250	43.70	1.58	54.0	10.30	AV	316.00	200	Vertical	Pass
6	16017.599	55.88	0.50	74.0	18.12	Peak	15.00	300	Vertical	Pass
6**	16017.599	46.59	0.50	54.0	7.41	AV	15.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.400	42.47	-17.23	74.0	31.53	Peak	328.00	300	Horizontal	Pass
1**	1498.400	33.52	-17.23	54.0	20.48	AV	328.00	300	Horizontal	Pass
2	4389.000	51.17	-3.37	74.0	22.83	Peak	38.00	300	Horizontal	Pass
2**	4389.000	41.45	-3.37	54.0	12.55	AV	38.00	300	Horizontal	Pass
3	5796.400	109.20	-1.70	--	--	Peak	318.00	100	Horizontal	N/A
3**	5796.400	102.25	-1.70	--	--	AV	318.00	100	Horizontal	N/A
4	7338.100	49.95	-2.89	74.0	24.05	Peak	360.00	300	Horizontal	Pass
4**	7338.100	41.54	-2.89	54.0	12.46	AV	360.00	300	Horizontal	Pass
5	12614.300	53.18	1.88	74.0	20.82	Peak	94.00	150	Horizontal	Pass
5**	12614.300	44.03	1.88	54.0	9.97	AV	94.00	150	Horizontal	Pass
6	16069.049	55.94	1.30	74.0	18.06	Peak	360.00	300	Horizontal	Pass
6**	16069.049	46.76	1.30	54.0	7.24	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.100	40.97	-17.36	74.0	33.03	Peak	153.00	200	Vertical	Pass
1**	1467.100	32.73	-17.36	54.0	21.27	AV	153.00	200	Vertical	Pass
2	4385.200	50.64	-3.43	74.0	23.36	Peak	266.00	100	Vertical	Pass
2**	4385.200	41.85	-3.43	54.0	12.15	AV	266.00	100	Vertical	Pass
3	5792.600	100.03	-1.87	--	--	Peak	153.00	150	Vertical	N/A
3**	5792.600	92.37	-1.87	--	--	AV	153.00	150	Vertical	N/A
4	7432.975	50.07	-3.37	74.0	23.93	Peak	300.00	200	Vertical	Pass
4**	7432.975	39.44	-3.37	54.0	14.56	AV	300.00	200	Vertical	Pass
5	11504.550	53.54	-0.07	74.0	20.46	Peak	79.00	200	Vertical	Pass
5**	11504.550	44.00	-0.07	54.0	10.00	AV	79.00	200	Vertical	Pass
6	15814.162	56.32	2.08	74.0	17.68	Peak	0.00	400	Vertical	Pass
6**	15814.162	46.58	2.08	54.0	7.42	AV	0.00	400	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	1581.800	42.44	-17.10	74.0	31.56	Peak	174.00	100	Horizontal	Pass
1**	1581.800	37.27	-17.10	54.0	16.73	AV	174.00	100	Horizontal	Pass
2	4343.000	51.01	-3.96	74.0	22.99	Peak	58.00	300	Horizontal	Pass
2**	4343.000	41.09	-3.96	54.0	12.91	AV	58.00	300	Horizontal	Pass
3	5778.200	107.10	-2.13	--	--	Peak	323.00	100	Horizontal	N/A
3**	5778.200	99.05	-2.13	--	--	AV	323.00	100	Horizontal	N/A
4	7350.175	49.77	-3.63	74.0	24.23	Peak	108.00	400	Horizontal	Pass
4**	7350.175	40.43	-3.63	54.0	13.57	AV	108.00	400	Horizontal	Pass
5	12270.162	53.10	1.45	74.0	20.90	Peak	299.00	200	Horizontal	Pass
5**	12270.162	44.71	1.45	54.0	9.29	AV	299.00	200	Horizontal	Pass
6	15518.588	55.61	1.39	74.0	18.39	Peak	125.00	200	Horizontal	Pass
6**	15518.588	46.15	1.39	54.0	7.85	AV	125.00	200	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	1508.700	39.96	-17.14	74.0	34.04	Peak	86.00	300	Vertical	Pass
1**	1508.700	31.49	-17.14	54.0	22.51	AV	86.00	300	Vertical	Pass
2	4390.400	50.10	-3.30	74.0	23.90	Peak	152.00	200	Vertical	Pass
2**	4390.400	41.83	-3.30	54.0	12.17	AV	152.00	200	Vertical	Pass
3	5781.800	98.07	-1.41	--	--	Peak	152.00	200	Vertical	N/A
3**	5781.800	90.82	-1.41	--	--	AV	152.00	200	Vertical	N/A
4	7384.675	50.36	-3.68	74.0	23.64	Peak	62.00	300	Vertical	Pass
4**	7384.675	40.19	-3.68	54.0	13.81	AV	62.00	300	Vertical	Pass
5	12242.275	53.56	1.04	74.0	20.44	Peak	47.00	150	Vertical	Pass
5**	12242.275	43.77	1.04	54.0	10.23	AV	47.00	150	Vertical	Pass
6	16017.599	56.20	0.50	74.0	17.80	Peak	52.00	300	Vertical	Pass
6**	16017.599	47.53	0.50	54.0	6.47	AV	52.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

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

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

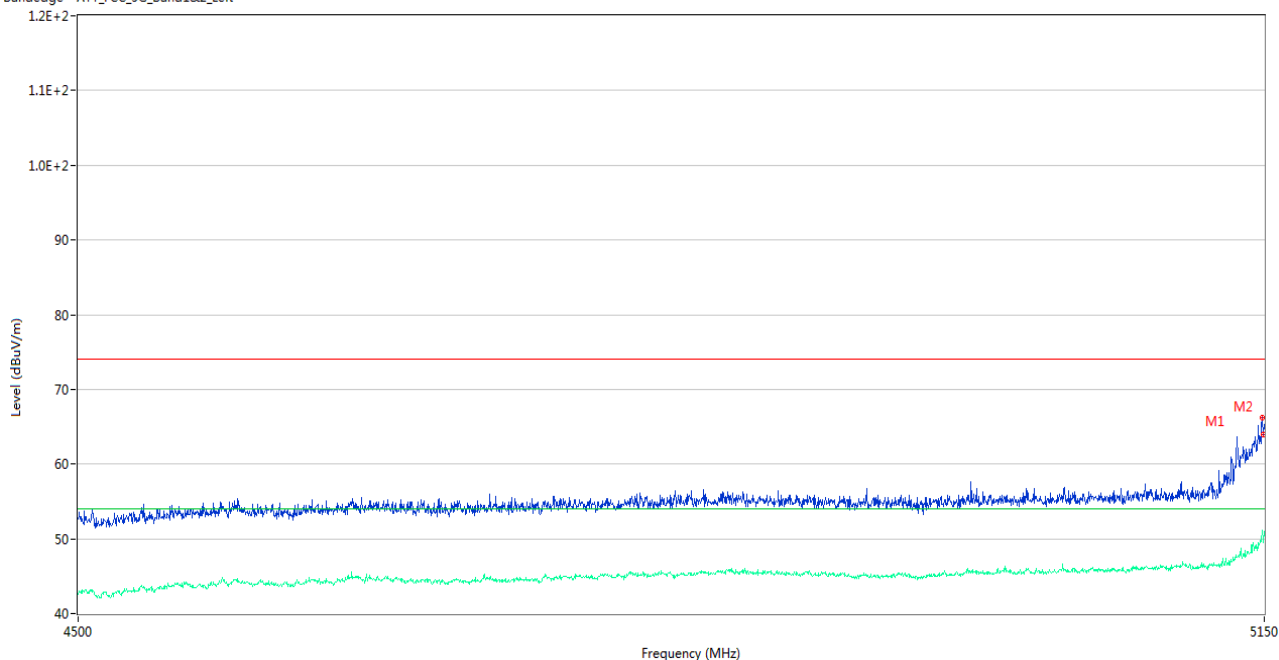
Note: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data and Plots

SISO-Antenna 1

U-NII-1 11a Low Channel

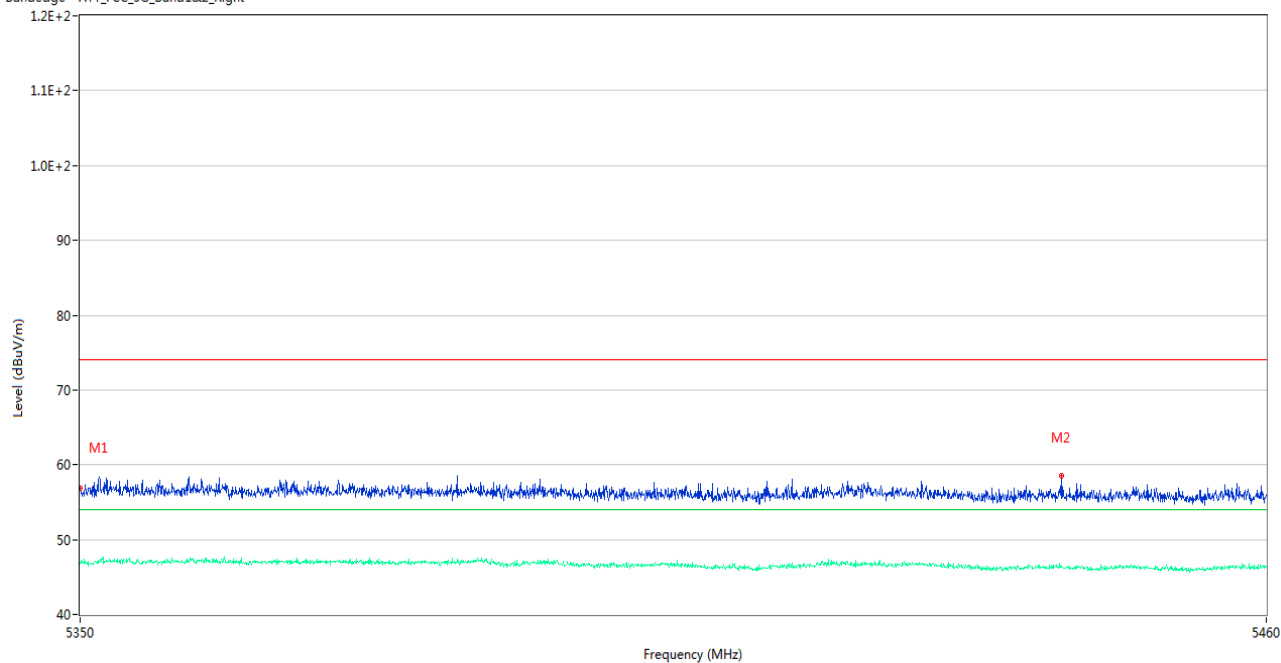
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	66.23	2.06	74.0	7.77	Peak	276.00	150	Horizontal	Pass
1**	5148.700	50.92	2.06	54.0	3.08	AV	276.00	150	Horizontal	Pass
2	5149.675	63.93	2.07	74.0	10.07	Peak	273.00	100	Horizontal	Pass
2**	5149.675	49.57	2.07	54.0	4.43	AV	273.00	100	Horizontal	Pass

U-NII-1 11a High Channel

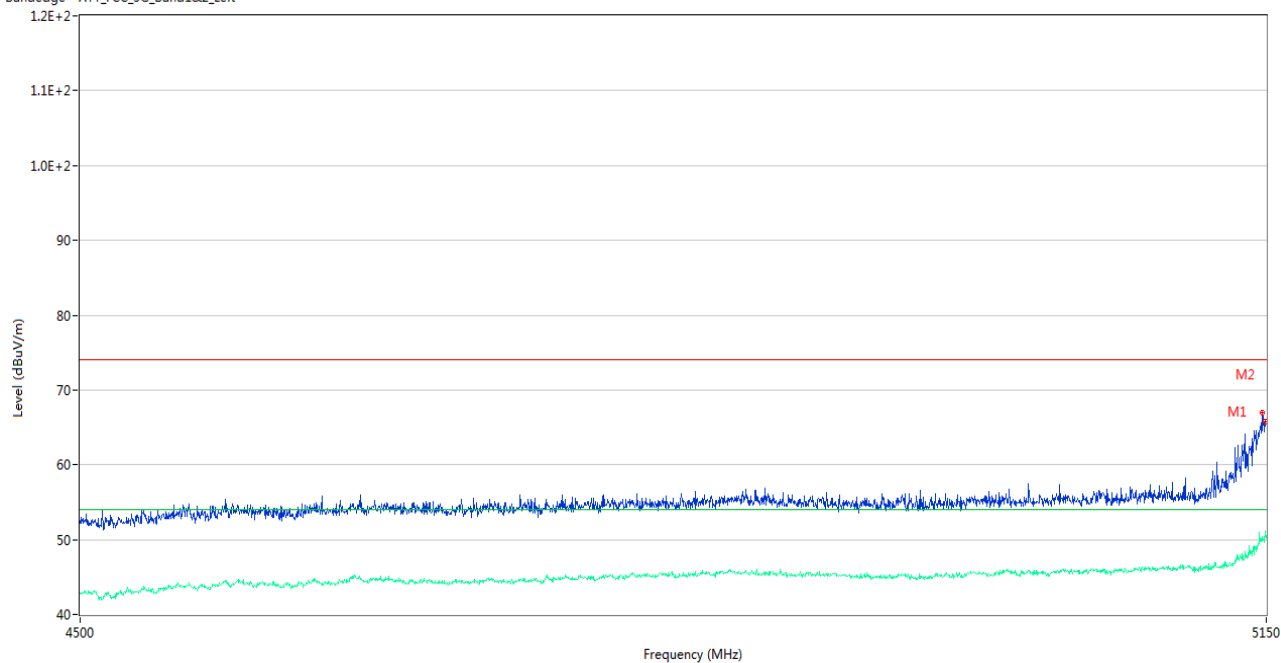
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.94	1.93	74.0	17.06	Peak	19.00	200	Horizontal	Pass
1**	5350.000	46.71	1.93	54.0	7.29	AV	19.00	200	Horizontal	Pass
2	5440.805	58.58	2.31	74.0	15.42	Peak	0.00	100	Horizontal	Pass
2**	5440.805	46.42	2.31	54.0	7.58	AV	0.00	100	Horizontal	Pass

U-NII-1 11n20 Low Channel

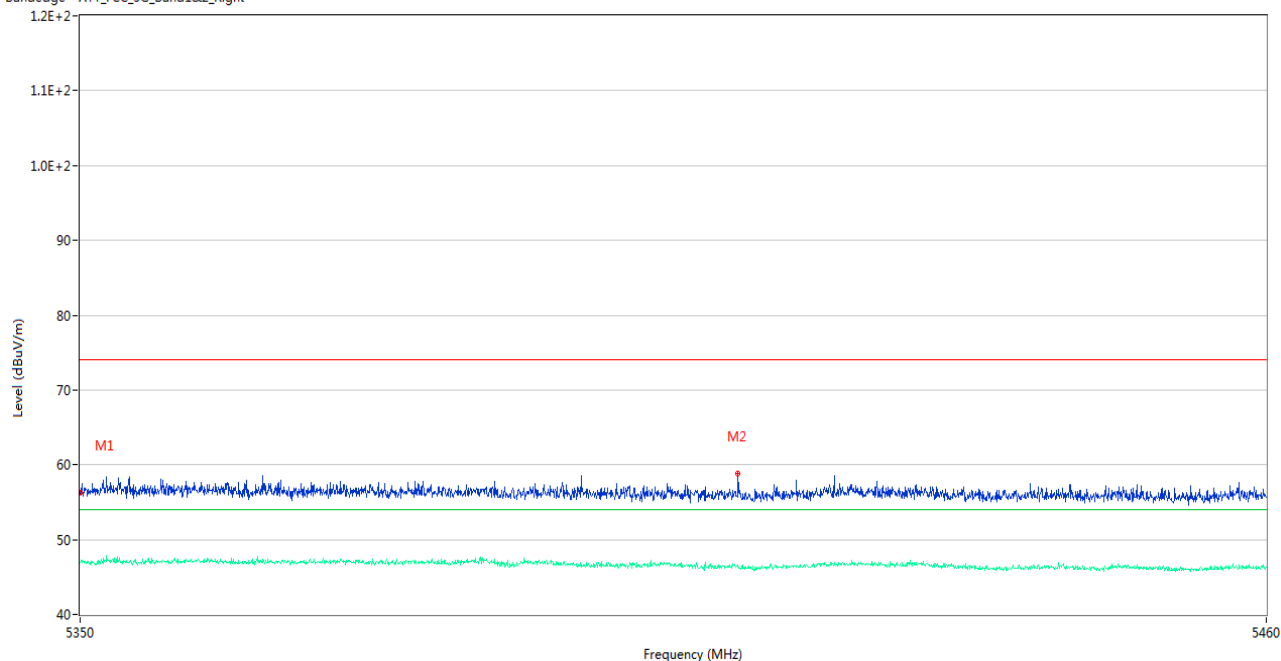
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.400	66.97	2.23	74.0	7.03	Peak	284.00	200	Horizontal	Pass
1**	5147.400	50.44	2.23	54.0	3.56	AV	284.00	200	Horizontal	Pass
2	5149.675	65.83	2.07	74.0	8.17	Peak	0.00	200	Horizontal	Pass
2**	5149.675	50.99	2.07	54.0	3.01	AV	0.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel

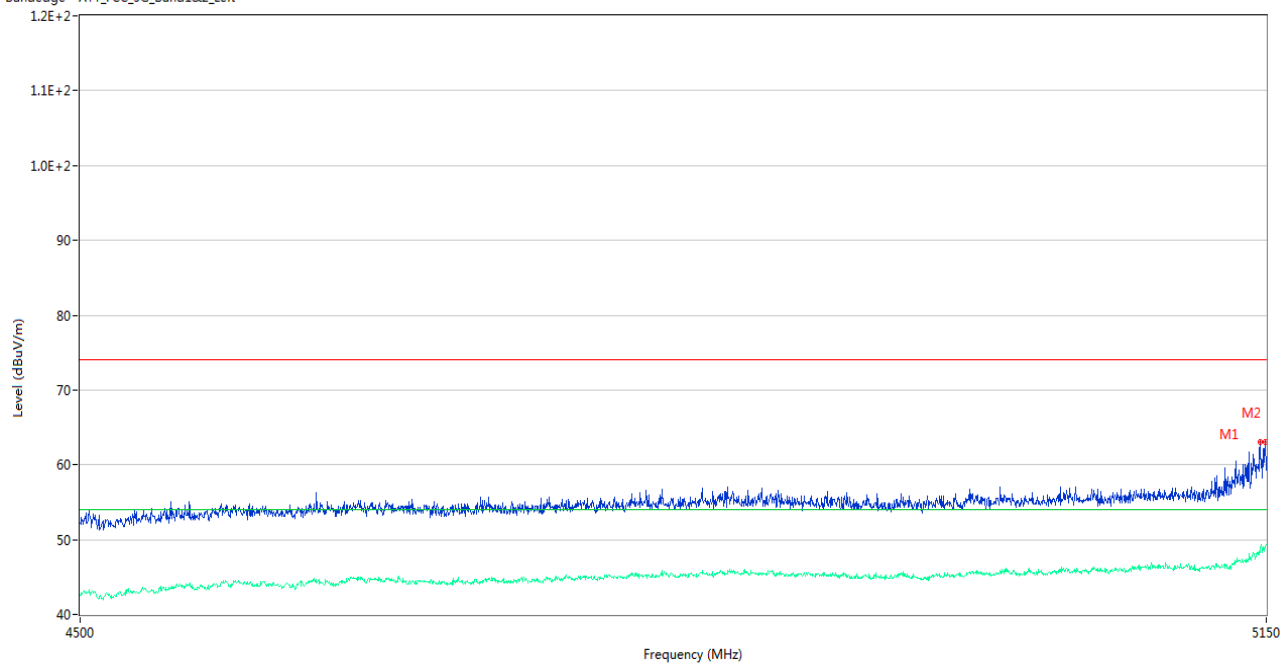
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.32	1.93	74.0	17.68	Peak	222.00	100	Horizontal	Pass
1**	5350.000	46.98	1.93	54.0	7.02	AV	222.00	100	Horizontal	Pass
2	5410.720	58.84	2.03	74.0	15.16	Peak	271.00	150	Horizontal	Pass
2**	5410.720	46.38	2.03	54.0	7.62	AV	271.00	150	Horizontal	Pass

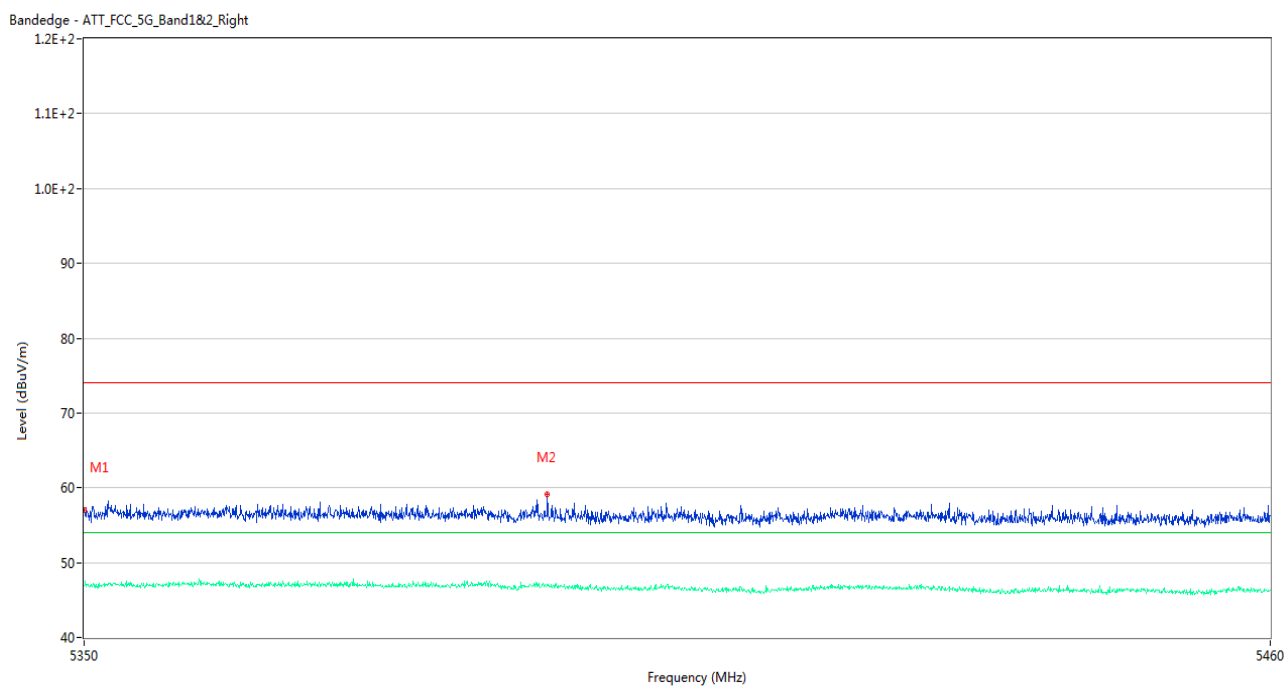
U-NII-1 11n40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.425	63.01	2.28	74.0	10.99	Peak	274.00	150	Horizontal	Pass
1**	5146.425	48.47	2.28	54.0	5.53	AV	274.00	150	Horizontal	Pass
2	5149.675	63.10	2.07	74.0	10.90	Peak	0.00	100	Horizontal	Pass
2**	5149.675	49.13	2.07	54.0	4.87	AV	0.00	100	Horizontal	Pass

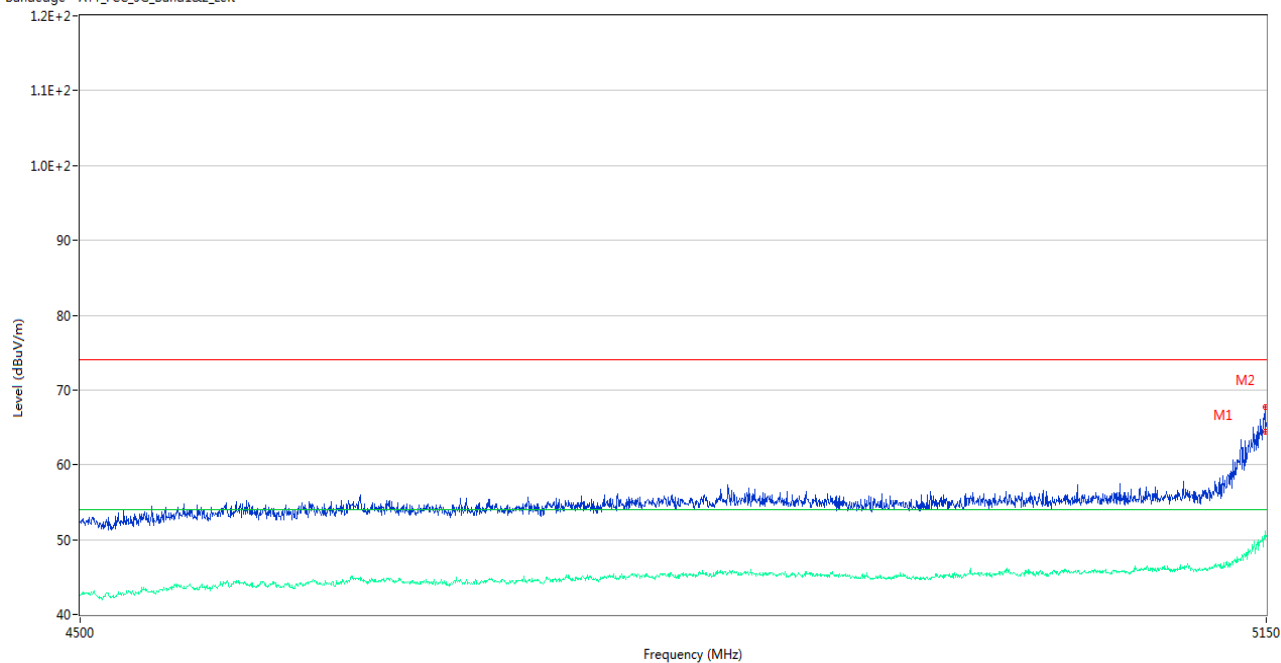
U-NII-1 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.02	1.93	74.0	16.98	Peak	300.00	200	Horizontal	Pass
1**	5350.000	46.88	1.93	54.0	7.12	AV	300.00	200	Horizontal	Pass
2	5392.680	59.17	2.16	74.0	14.83	Peak	360.00	100	Horizontal	Pass
2**	5392.680	47.04	2.16	54.0	6.96	AV	360.00	100	Horizontal	Pass

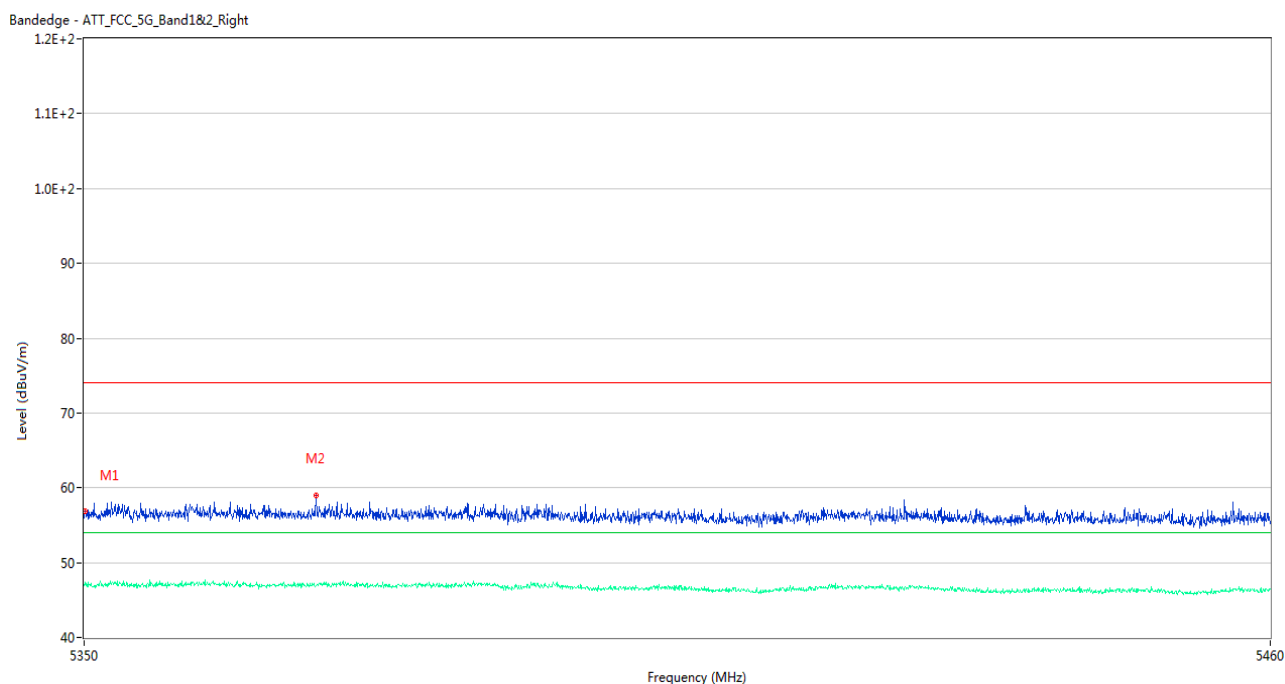
U-NII-1 11ac20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.350	67.73	2.05	74.0	6.27	Peak	268.00	100	Horizontal	Pass
1**	5149.350	50.98	2.05	54.0	3.02	AV	268.00	100	Horizontal	Pass
2	5149.675	64.35	2.07	74.0	9.65	Peak	304.00	200	Horizontal	Pass
2**	5149.675	50.04	2.07	54.0	3.96	AV	304.00	200	Horizontal	Pass

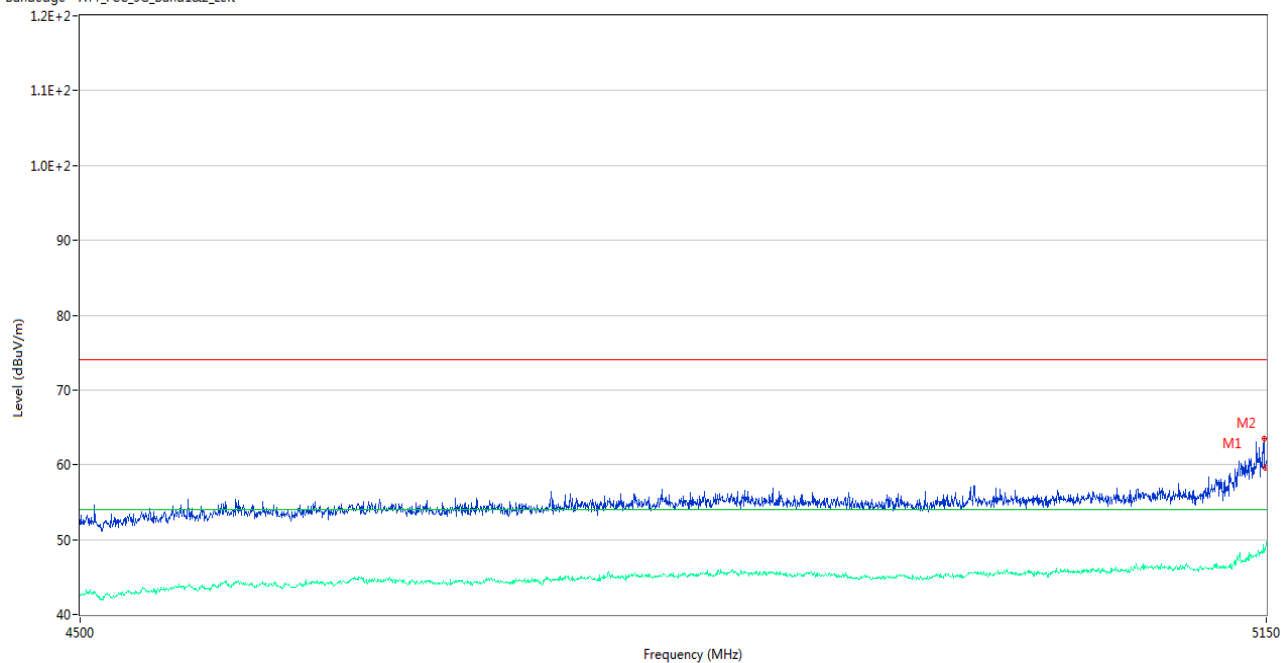
U-NII-1 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.87	1.93	74.0	17.13	Peak	360.00	100	Horizontal	Pass
1**	5350.055	47.40	1.93	54.0	6.60	AV	360.00	100	Horizontal	Pass
2	5371.340	58.91	2.23	74.0	15.09	Peak	16.00	150	Horizontal	Pass
2**	5371.340	46.91	2.23	54.0	7.09	AV	16.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel

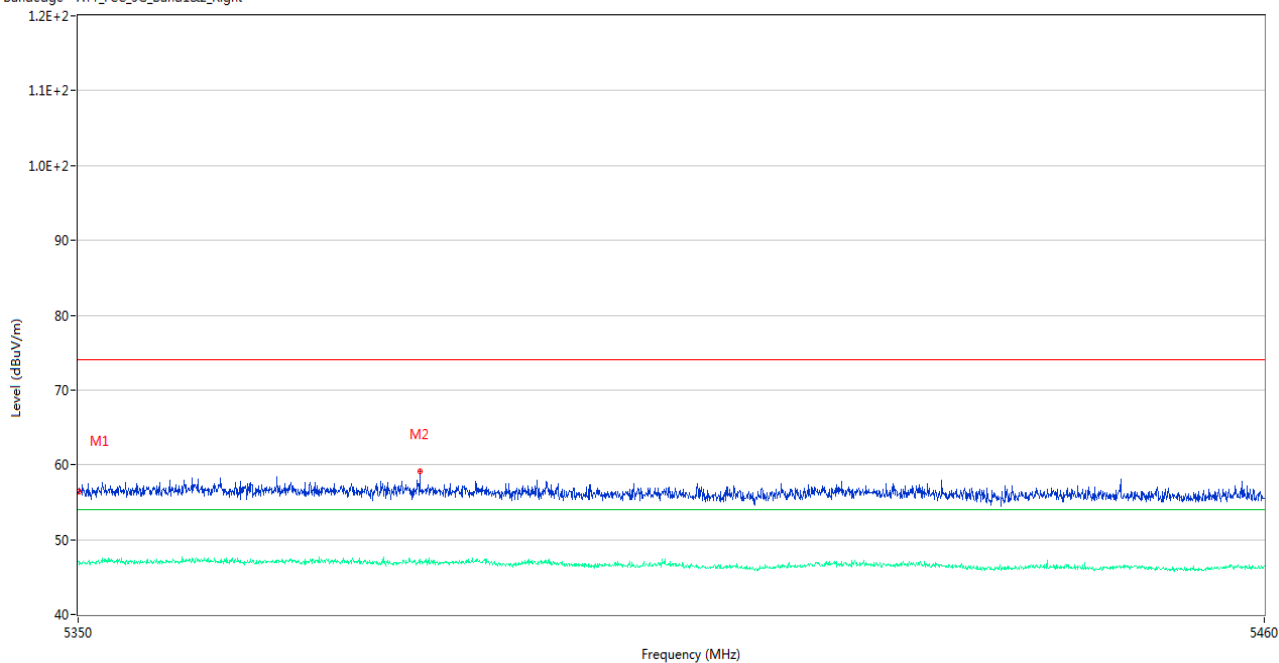
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	63.56	2.06	74.0	10.44	Peak	247.00	100	Horizontal	Pass
1**	5148.700	48.25	2.06	54.0	5.75	AV	247.00	100	Horizontal	Pass
2	5149.675	59.52	2.07	74.0	14.48	Peak	317.00	100	Horizontal	Pass
2**	5149.675	48.59	2.07	54.0	5.41	AV	317.00	100	Horizontal	Pass

U-NII-1 11ac40 High Channel

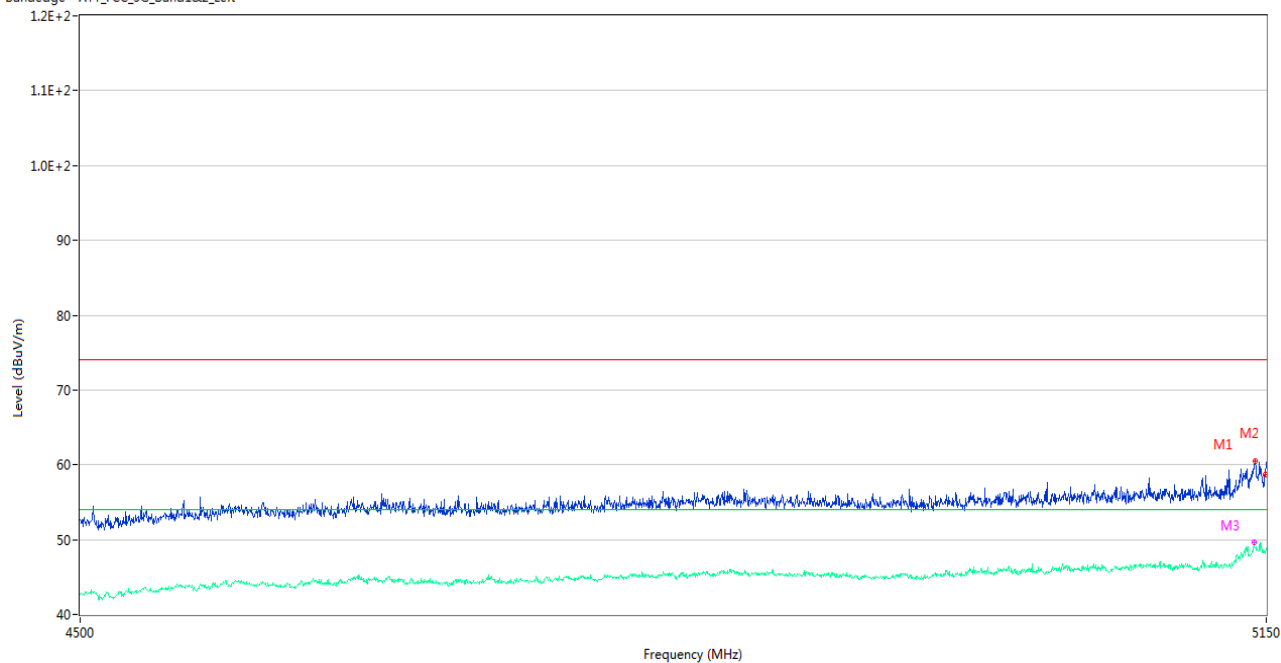
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.44	1.93	74.0	17.56	Peak	336.00	150	Horizontal	Pass
1**	5350.055	47.13	1.93	54.0	6.87	AV	336.00	150	Horizontal	Pass
2	5381.460	59.10	2.24	74.0	14.90	Peak	7.00	200	Horizontal	Pass
2**	5381.460	46.76	2.24	54.0	7.24	AV	7.00	200	Horizontal	Pass

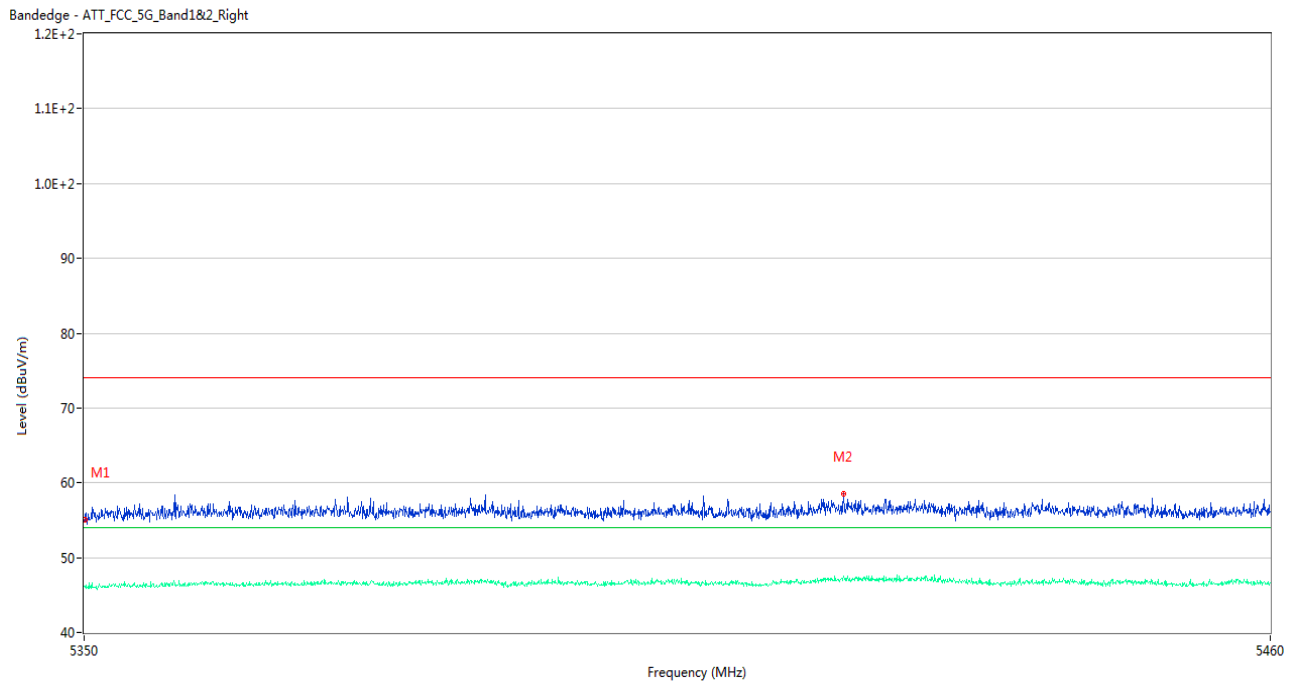
U-NII-1 11ac80 Middle Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5143.500	60.52	2.37	74.0	13.48	Peak	312.00	100	Horizontal	Pass
1**	5143.500	48.85	2.37	54.0	5.15	AV	312.00	100	Horizontal	Pass
2	5149.675	58.69	2.07	74.0	15.31	Peak	312.00	150	Horizontal	Pass
2**	5149.675	48.10	2.07	54.0	5.90	AV	312.00	150	Horizontal	Pass
3	5142.850	59.40	2.43	74.0	14.60	Peak	309.00	150	Horizontal	Pass
3**	5142.850	49.71	2.43	54.0	4.29	AV	309.00	150	Horizontal	Pass

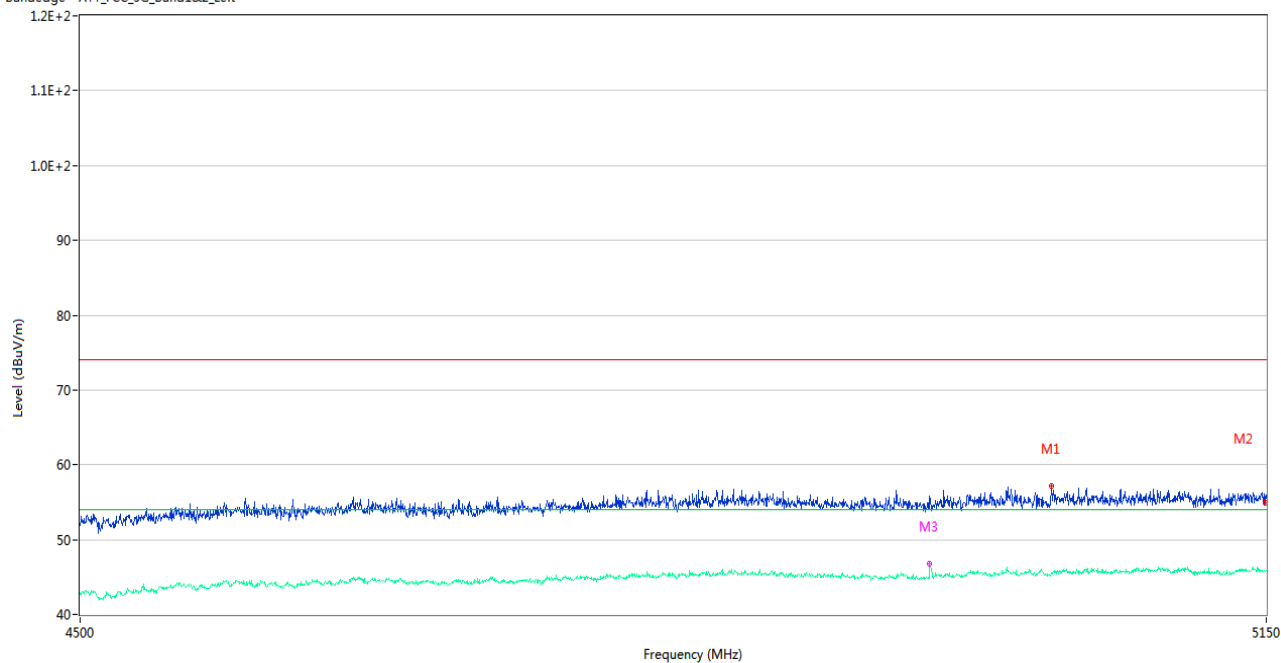
U-NII-1 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.14	1.93	74.0	18.86	Peak	334.00	200	Horizontal	Pass
1**	5350.055	46.07	1.93	54.0	7.93	AV	334.00	200	Horizontal	Pass
2	5420.180	58.54	2.44	74.0	15.46	Peak	353.00	200	Horizontal	Pass
2**	5420.180	47.49	2.44	54.0	6.51	AV	353.00	200	Horizontal	Pass

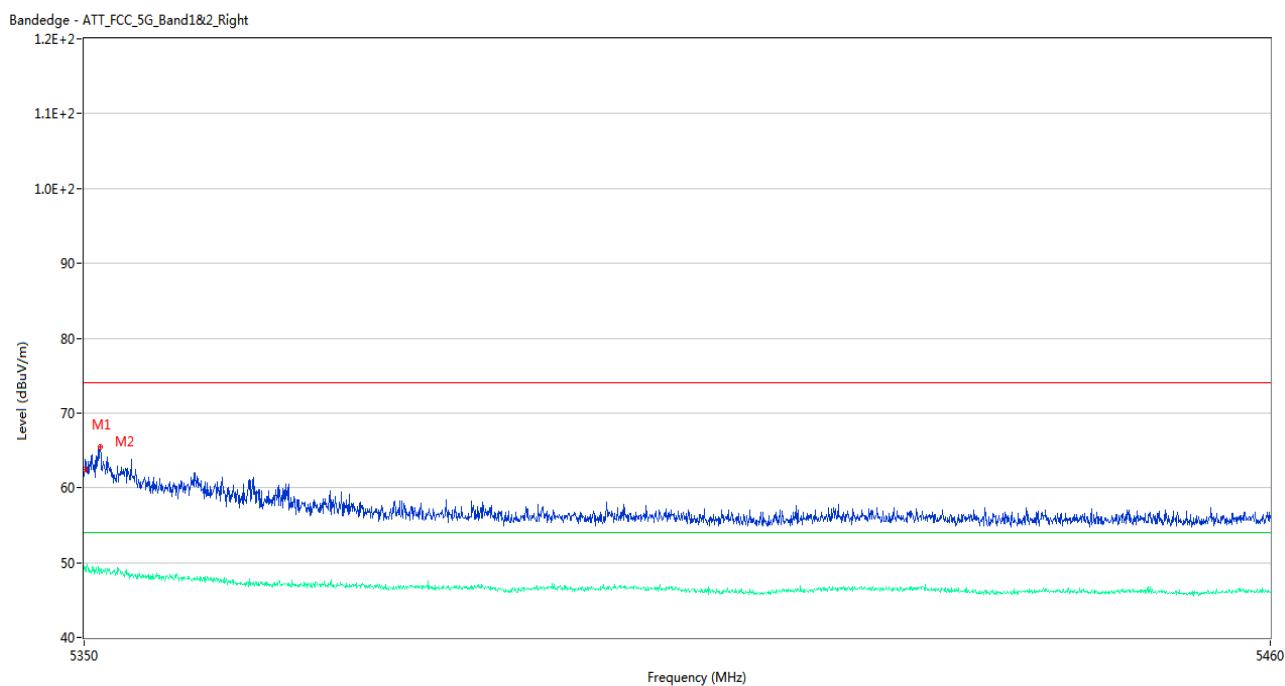
U-NII-2A 11a Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5025.525	57.21	1.87	74.0	16.79	Peak	310.00	100	Horizontal	Pass
1**	5025.525	45.49	1.87	54.0	8.51	AV	310.00	100	Horizontal	Pass
2	5149.675	54.85	2.07	74.0	19.15	Peak	265.00	200	Horizontal	Pass
2**	5149.675	45.72	2.07	54.0	8.28	AV	265.00	200	Horizontal	Pass
3	4956.625	54.16	1.68	74.0	19.84	Peak	159.00	150	Horizontal	Pass
3**	4956.625	46.83	1.68	54.0	7.17	AV	159.00	150	Horizontal	Pass

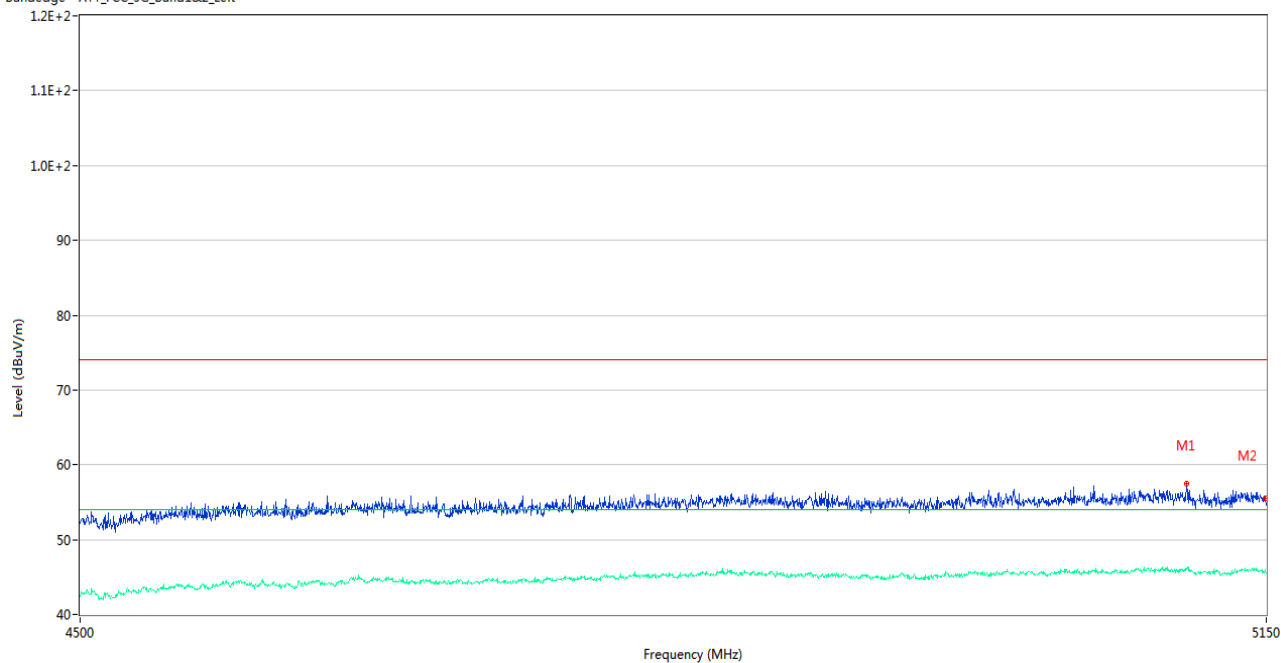
U-NII-2A 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	62.42	1.93	74.0	11.58	Peak	267.00	150	Horizontal	Pass
1**	5350.055	48.93	1.93	54.0	5.07	AV	267.00	150	Horizontal	Pass
2	5351.485	65.41	1.97	74.0	8.59	Peak	19.00	200	Horizontal	Pass
2**	5351.485	48.90	1.97	54.0	5.10	AV	19.00	200	Horizontal	Pass

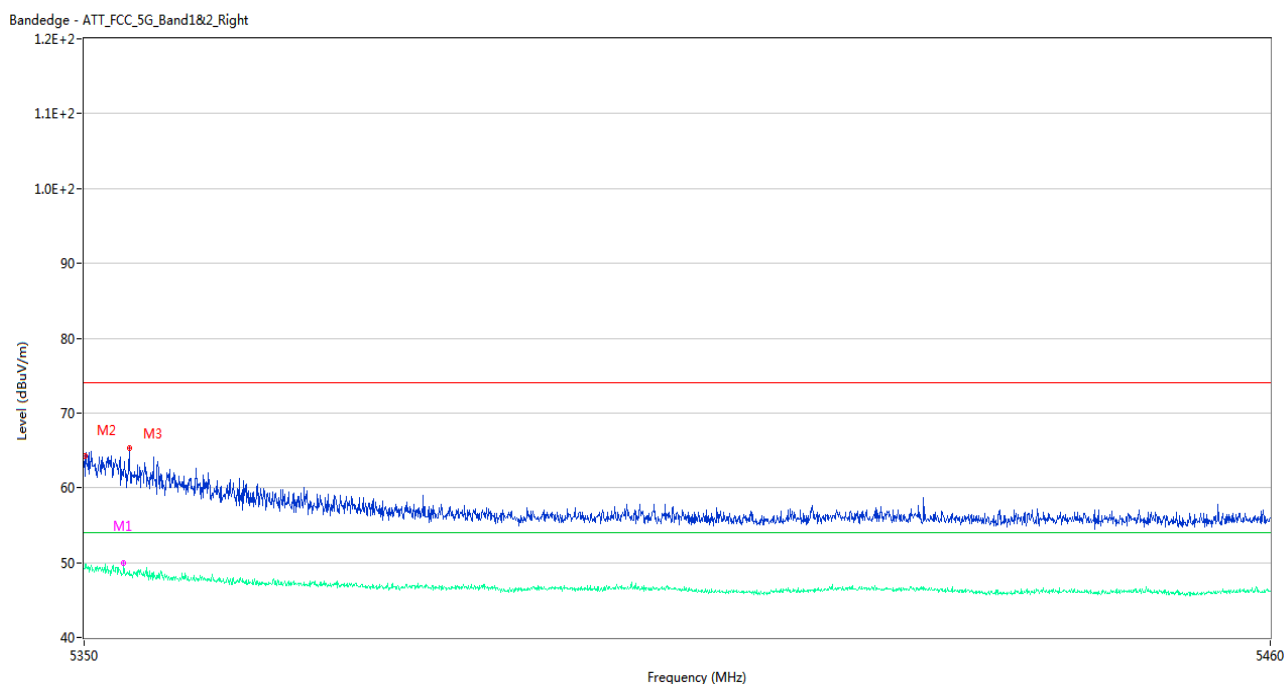
U-NII-2A 11n20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5103.525	57.53	2.48	74.0	16.47	Peak	111.00	100	Horizontal	Pass
1**	5103.525	45.97	2.48	54.0	8.03	AV	111.00	100	Horizontal	Pass
2	5149.675	55.48	2.07	74.0	18.52	Peak	246.00	150	Horizontal	Pass
2**	5149.675	45.89	2.07	54.0	8.11	AV	246.00	150	Horizontal	Pass

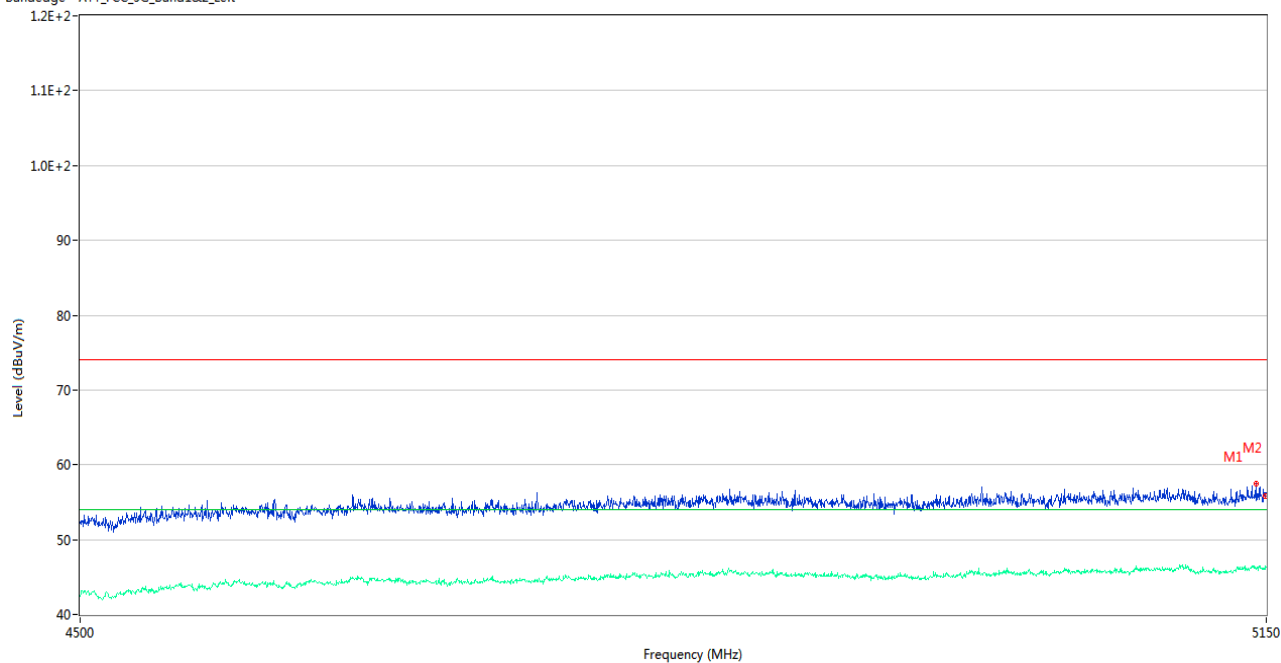
U-NII-2A 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5353.630	61.75	2.13	74.0	12.25	Peak	10.00	150	Horizontal	Pass
1**	5353.630	49.94	2.13	54.0	4.06	AV	10.00	150	Horizontal	Pass
2	5350.055	64.24	1.93	74.0	9.76	Peak	352.00	100	Horizontal	Pass
2**	5350.055	49.22	1.93	54.0	4.78	AV	352.00	100	Horizontal	Pass
3	5354.125	65.37	2.10	74.0	8.63	Peak	273.00	200	Horizontal	Pass
3**	5354.125	48.30	2.10	54.0	5.70	AV	273.00	200	Horizontal	Pass

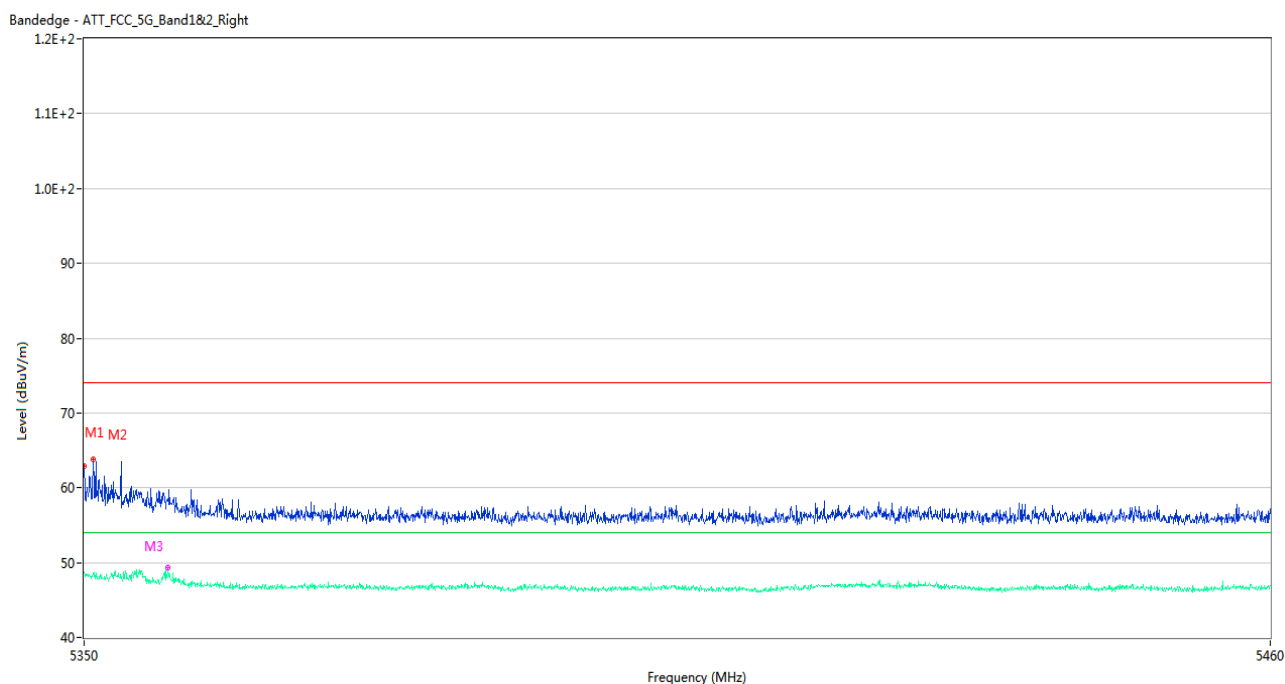
U-NII-2A 11n40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5143.825	57.42	2.34	74.0	16.58	Peak	360.00	200	Horizontal	Pass
1**	5143.825	46.04	2.34	54.0	7.96	AV	360.00	200	Horizontal	Pass
2	5149.675	55.80	2.07	74.0	18.20	Peak	357.00	200	Horizontal	Pass
2**	5149.675	46.41	2.07	54.0	7.59	AV	357.00	200	Horizontal	Pass

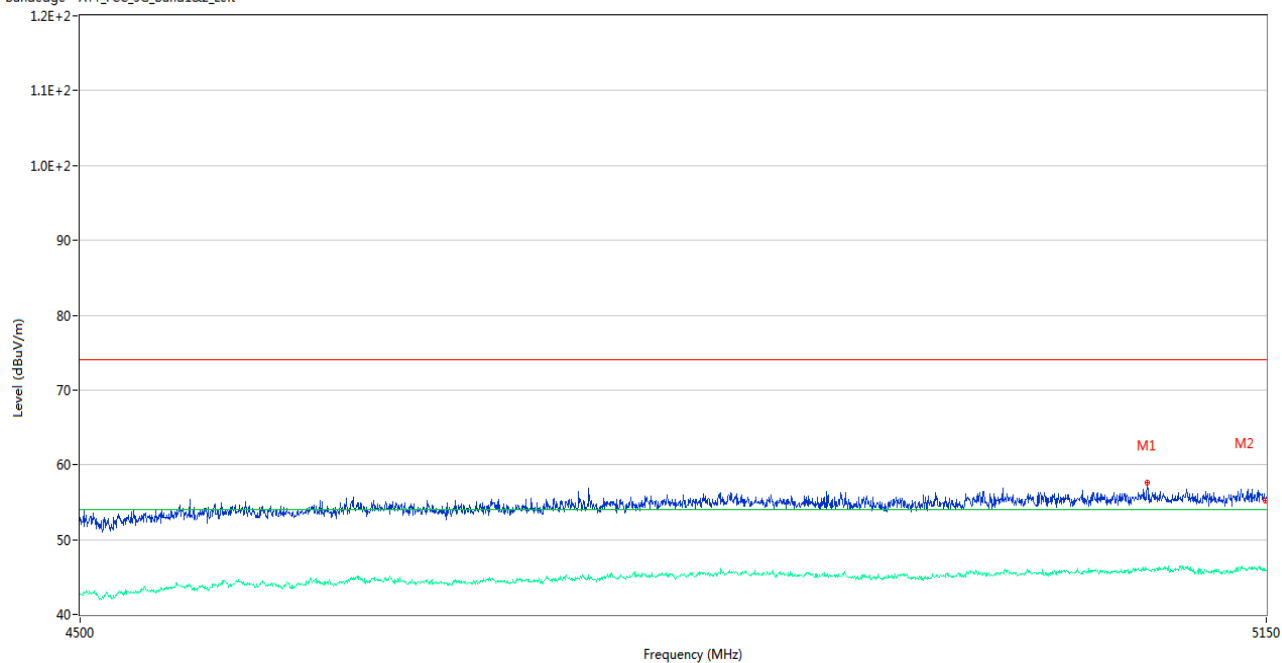
U-NII-2A 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	62.83	1.93	74.0	11.17	Peak	360.00	100	Horizontal	Pass
1**	5350.000	48.73	1.93	54.0	5.27	AV	360.00	100	Horizontal	Pass
2	5350.825	63.75	1.88	74.0	10.25	Peak	333.00	200	Horizontal	Pass
2**	5350.825	48.41	1.88	54.0	5.59	AV	333.00	200	Horizontal	Pass
3	5357.700	58.54	2.21	74.0	15.46	Peak	348.00	150	Horizontal	Pass
3**	5357.700	49.39	2.21	54.0	4.61	AV	348.00	150	Horizontal	Pass

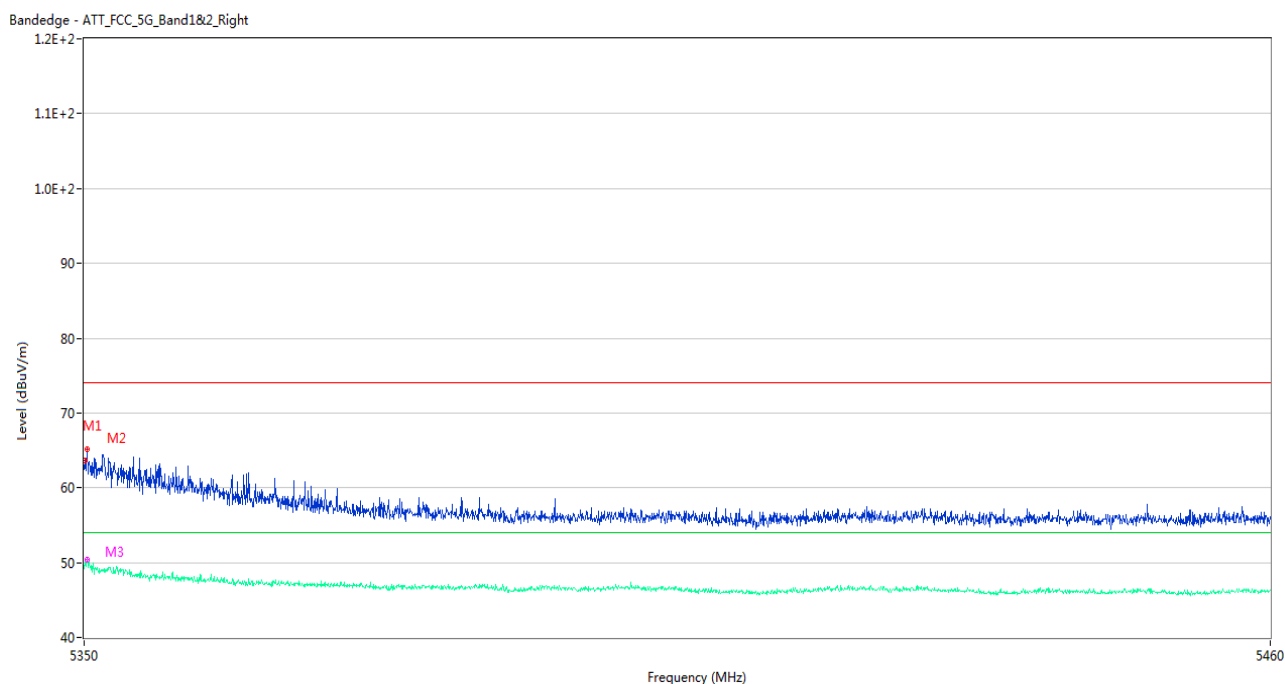
U-NII-2A 11ac20 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5080.775	57.55	2.39	74.0	16.45	Peak	240.00	200	Horizontal	Pass
1**	5080.775	46.01	2.39	54.0	7.99	AV	240.00	200	Horizontal	Pass
2	5149.675	55.15	2.07	74.0	18.85	Peak	299.00	150	Horizontal	Pass
2**	5149.675	46.01	2.07	54.0	7.99	AV	299.00	150	Horizontal	Pass

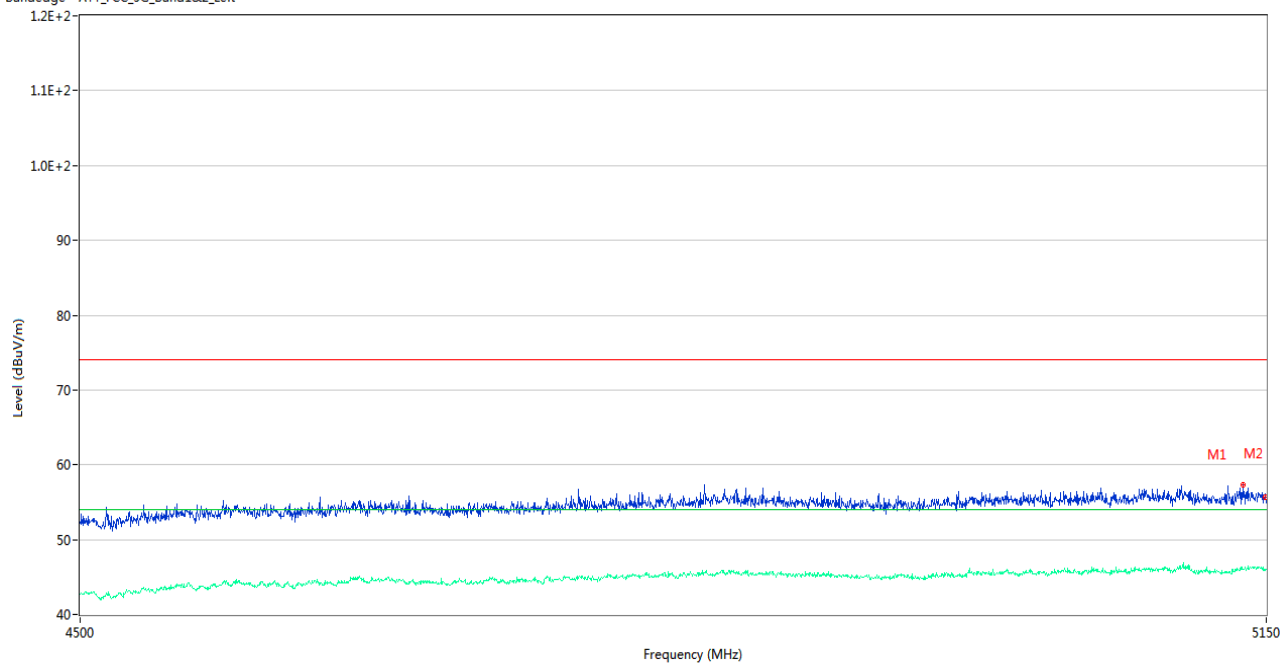
U-NII-2A 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	63.68	1.93	74.0	10.32	Peak	300.00	200	Horizontal	Pass
1**	5350.055	50.31	1.93	54.0	3.69	AV	300.00	200	Horizontal	Pass
2	5350.275	65.09	1.92	74.0	8.91	Peak	26.00	150	Horizontal	Pass
2**	5350.275	50.43	1.92	54.0	3.57	AV	26.00	150	Horizontal	Pass
3	5350.275	65.09	1.92	74.0	8.91	Peak	26.00	150	Horizontal	Pass
3**	5350.275	50.43	1.92	54.0	3.57	AV	26.00	150	Horizontal	Pass

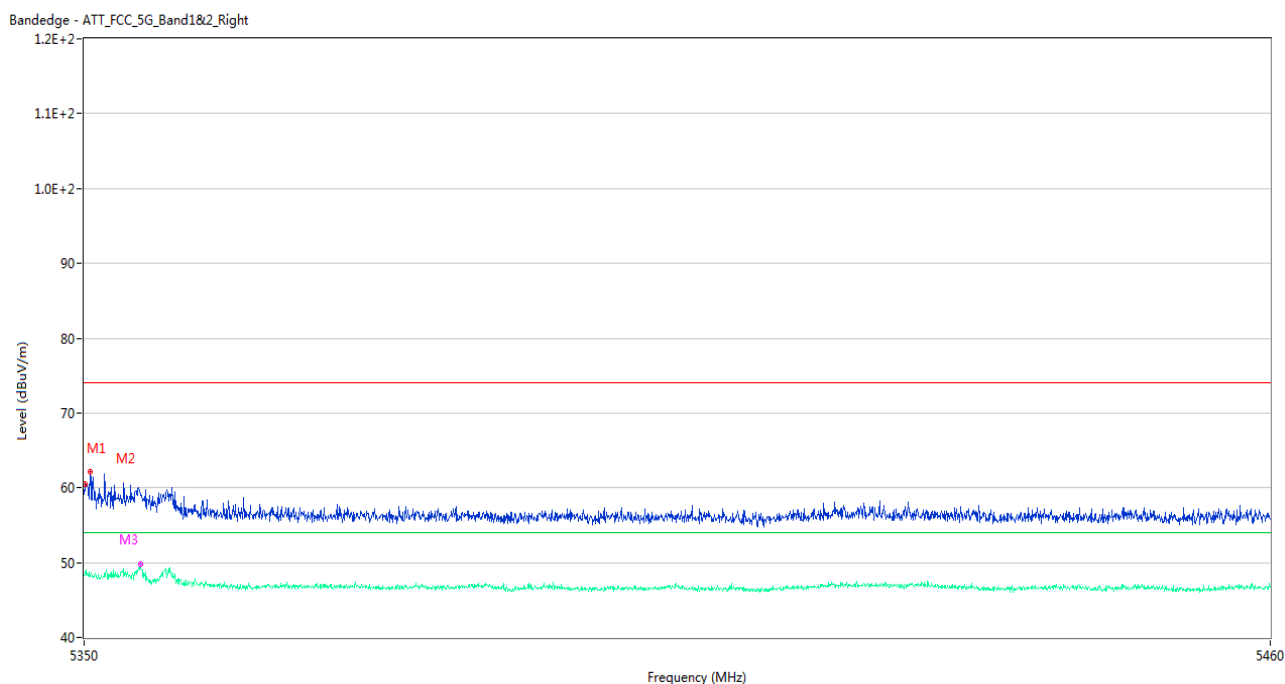
U-NII-2A 11ac40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



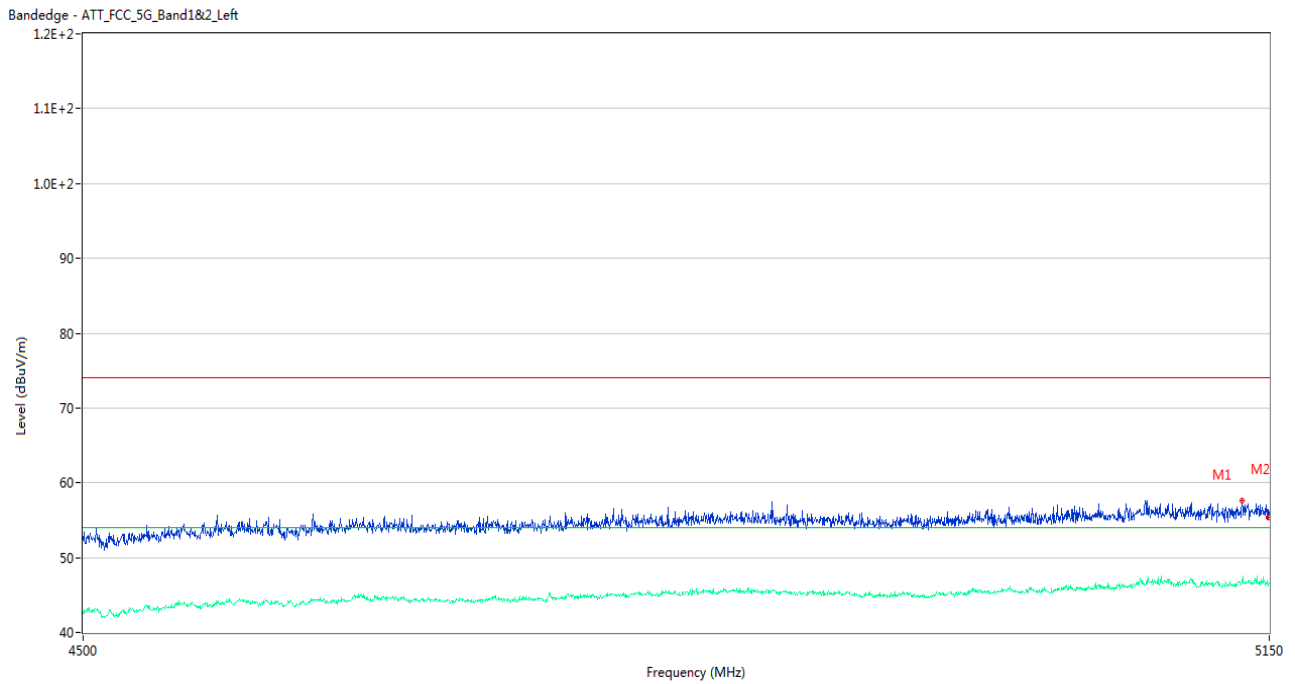
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5136.350	57.38	2.42	74.0	16.62	Peak	337.00	100	Horizontal	Pass
1**	5136.350	46.07	2.42	54.0	7.93	AV	337.00	100	Horizontal	Pass
2	5149.675	55.74	2.07	74.0	18.26	Peak	271.00	200	Horizontal	Pass
2**	5149.675	45.83	2.07	54.0	8.17	AV	271.00	200	Horizontal	Pass

U-NII-2A 11ac40 High Channel



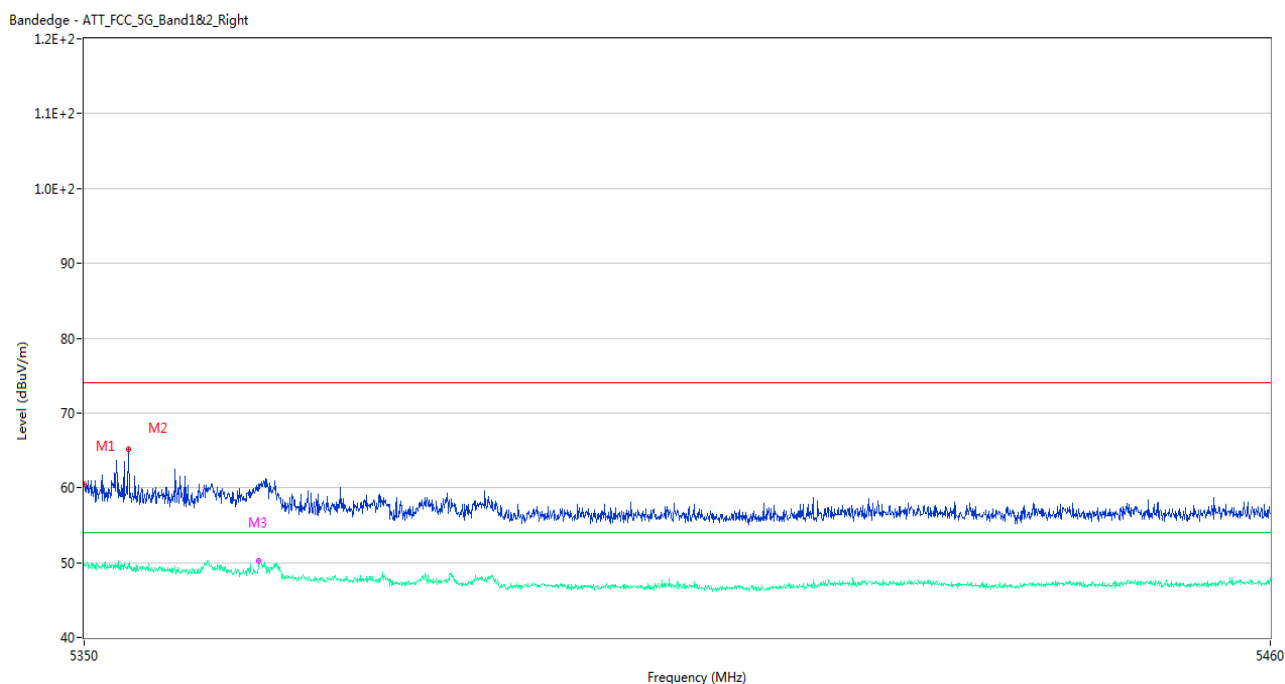
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	60.42	1.93	74.0	13.58	Peak	290.00	100	Horizontal	Pass
1**	5350.055	48.77	1.93	54.0	5.23	AV	290.00	100	Horizontal	Pass
2	5350.550	62.11	1.90	74.0	11.89	Peak	29.00	200	Horizontal	Pass
2**	5350.550	48.12	1.90	54.0	5.88	AV	29.00	200	Horizontal	Pass
3	5355.170	58.94	2.05	74.0	15.06	Peak	276.00	150	Horizontal	Pass
3**	5355.170	49.83	2.05	54.0	4.17	AV	276.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



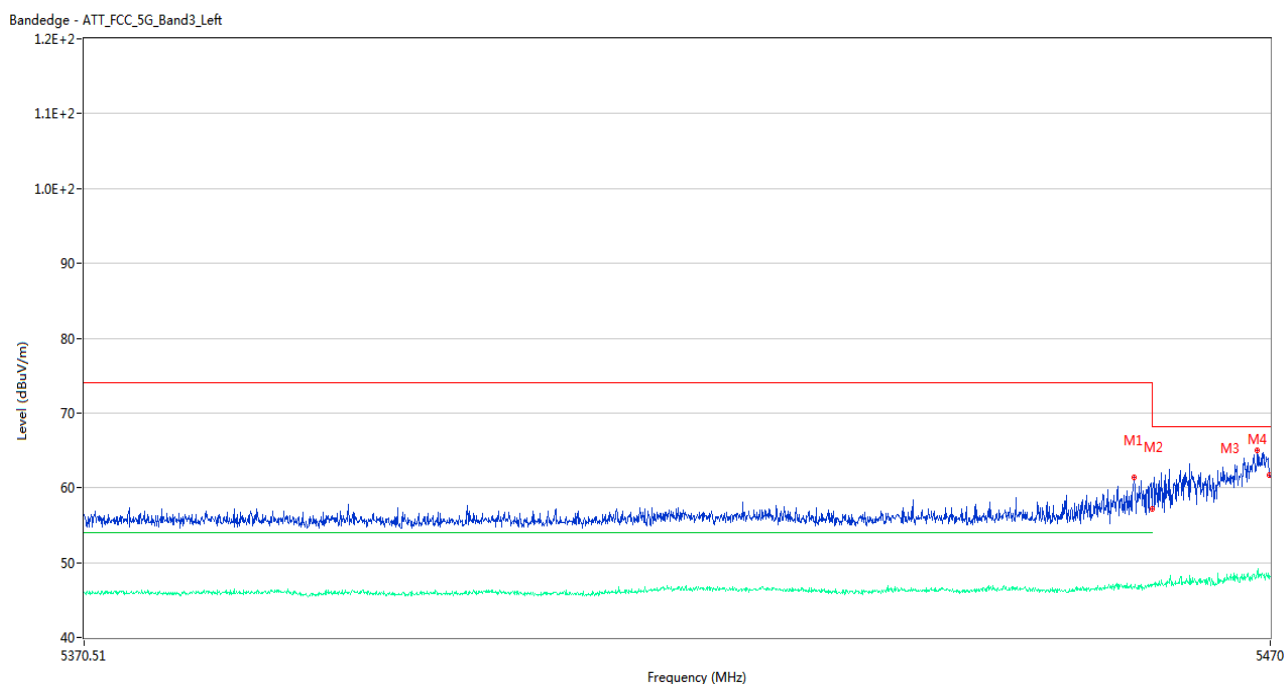
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5134.075	57.61	2.43	74.0	16.39	Peak	0.00	100	Horizontal	Pass
1**	5134.075	46.58	2.43	54.0	7.42	AV	0.00	100	Horizontal	Pass
2	5149.675	55.29	2.07	74.0	18.71	Peak	279.00	100	Horizontal	Pass
2**	5149.675	46.44	2.07	54.0	7.56	AV	279.00	100	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



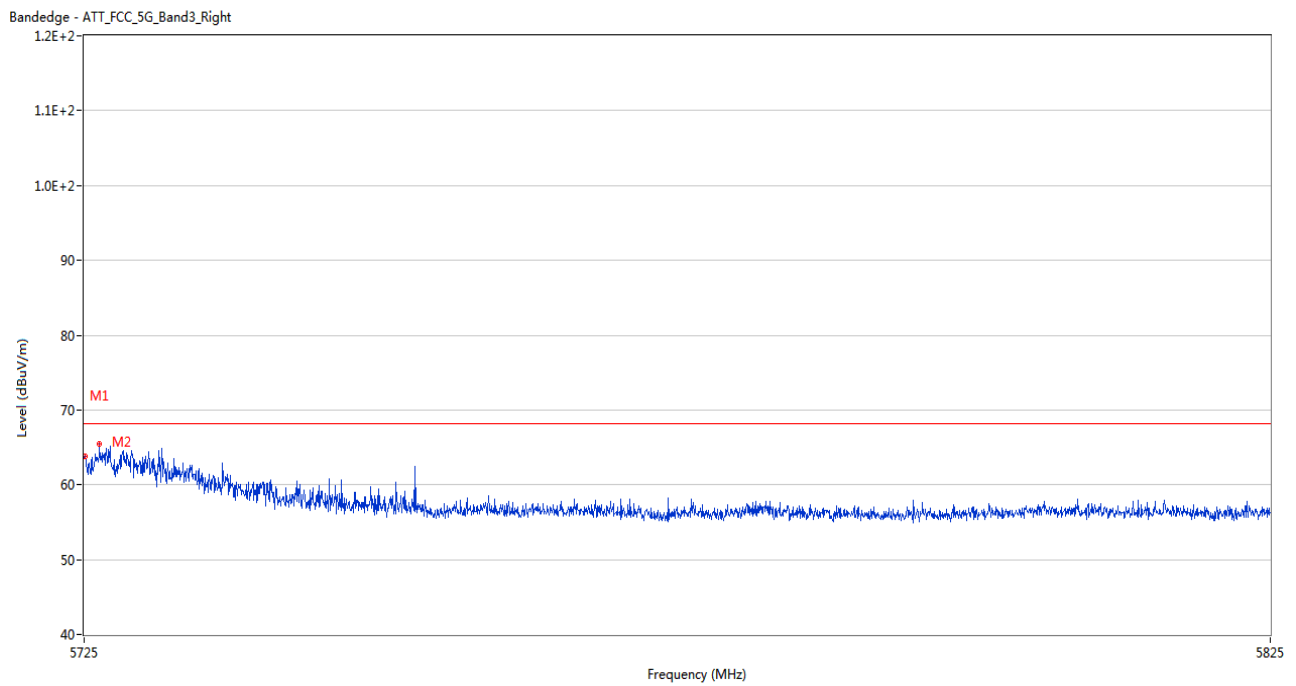
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	60.55	1.93	74.0	13.45	Peak	341.00	150	Horizontal	Pass
1**	5350.000	49.86	1.93	54.0	4.14	AV	341.00	150	Horizontal	Pass
2	5354.070	65.13	2.10	74.0	8.87	Peak	346.00	100	Horizontal	Pass
2**	5354.070	49.52	2.10	54.0	4.48	AV	346.00	100	Horizontal	Pass
3	5366.060	59.52	2.16	74.0	14.48	Peak	360.00	150	Horizontal	Pass
3**	5366.060	50.31	2.16	54.0	3.69	AV	360.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



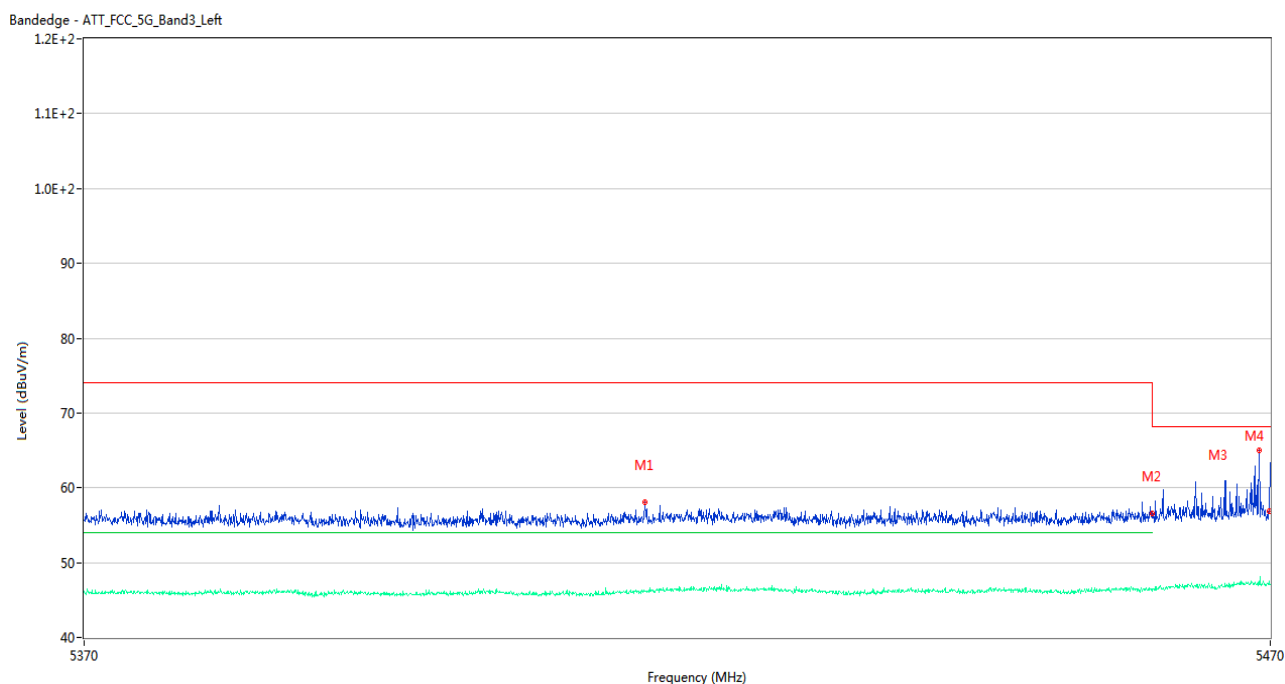
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.500	61.37	2.44	74.0	12.63	Peak	25.00	100	Horizontal	Pass
1**	5458.500	46.64	2.44	54.0	7.36	AV	25.00	100	Horizontal	Pass
2	5460.000	57.15	2.50	74.0	16.85	Peak	360.00	150	Horizontal	Pass
2**	5460.000	47.07	2.50	54.0	6.93	AV	360.00	150	Horizontal	Pass
3	5468.900	64.95	3.00	68.2	3.25	Peak	0.00	100	Horizontal	Pass
3**	5468.900	48.58	3.00	--	--	AV	0.00	100	Horizontal	N/A
4	5469.950	61.69	2.87	68.2	6.51	Peak	337.00	150	Horizontal	Pass
4**	5469.950	47.89	2.87	--	--	AV	337.00	150	Horizontal	N/A

U-NII-2C 11a High Channel



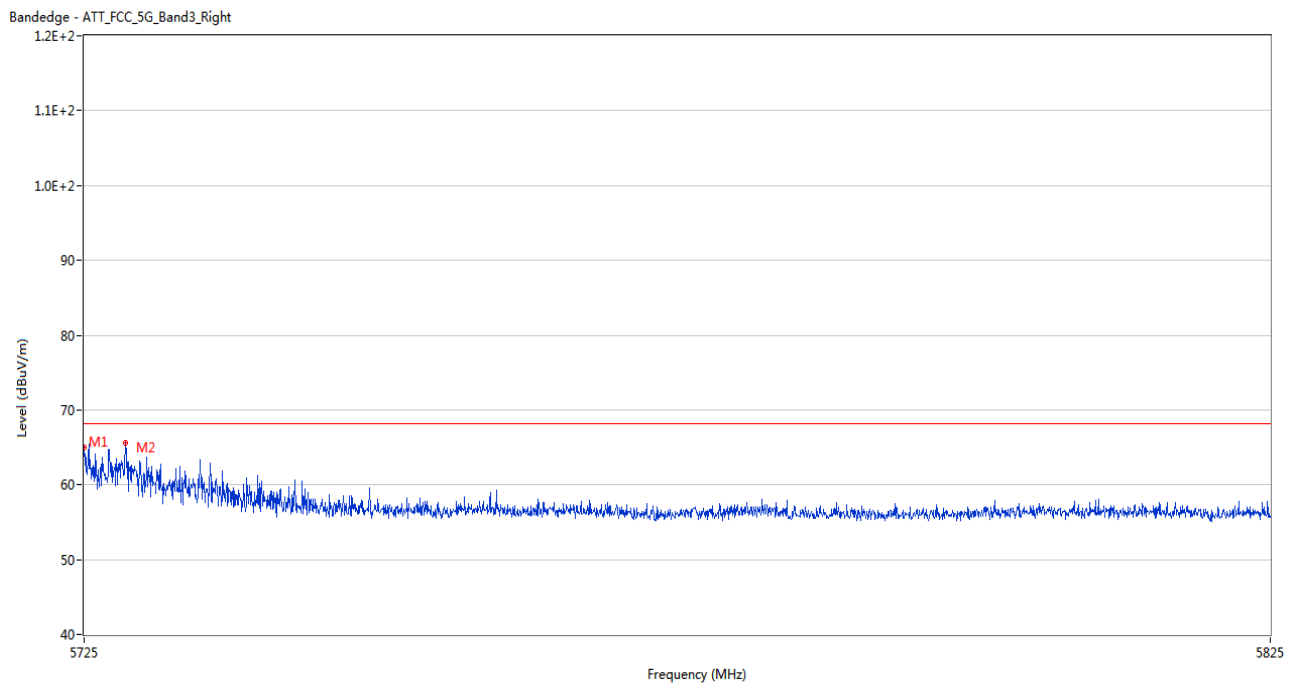
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	63.79	2.55	68.2	4.41	Peak	0.00	100	Horizontal	Pass
2	5726.300	65.13	2.52	68.2	3.07	Peak	291.00	100	Horizontal	Pass

U-NII-2C 11n20 Low Channel



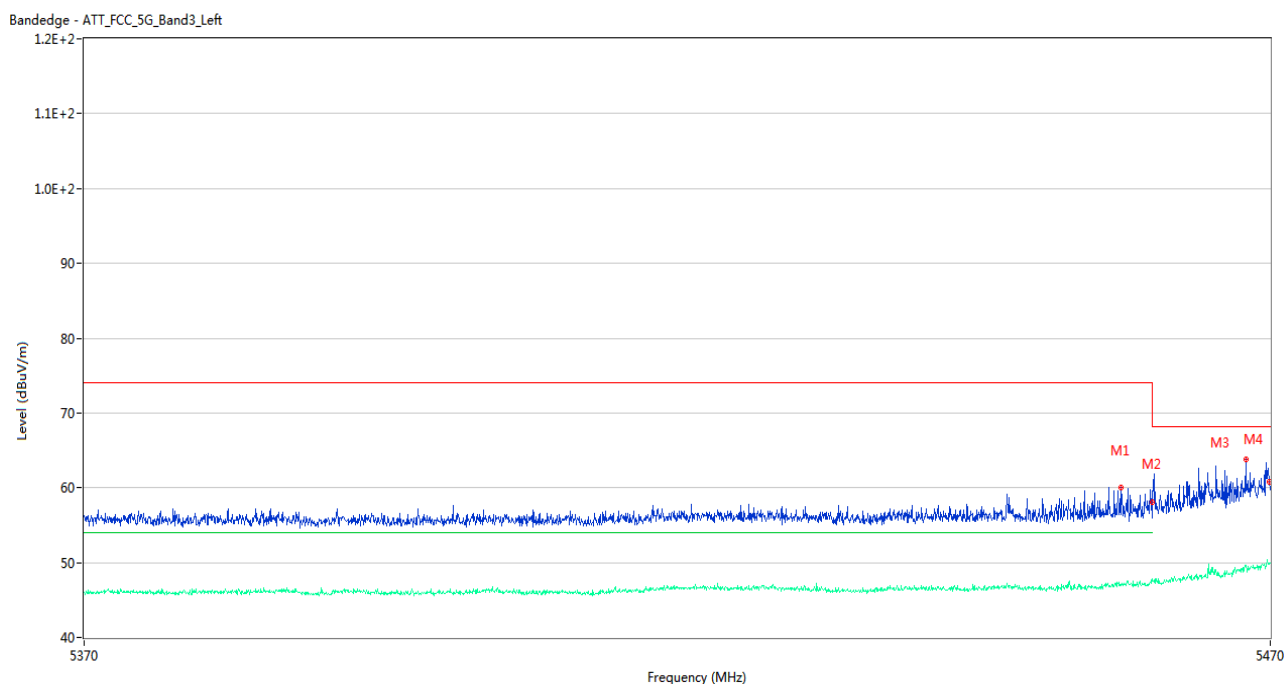
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5417.050	58.03	2.20	74.0	15.97	Peak	176.00	100	Horizontal	Pass
1**	5417.050	46.14	2.20	54.0	7.86	AV	176.00	100	Horizontal	Pass
2	5460.000	56.53	2.50	74.0	17.47	Peak	336.00	150	Horizontal	Pass
2**	5460.000	46.45	2.50	54.0	7.55	AV	336.00	150	Horizontal	Pass
3	5469.050	64.95	2.98	68.2	3.25	Peak	273.00	200	Horizontal	Pass
3**	5469.050	47.09	2.98	--	--	AV	273.00	200	Horizontal	N/A
4	5469.950	56.87	2.87	68.2	11.33	Peak	8.00	150	Horizontal	Pass
4**	5469.950	47.07	2.87	--	--	AV	8.00	150	Horizontal	N/A

U-NII-2C 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.03	2.55	68.2	3.17	Peak	285.00	150	Horizontal	Pass
2	5728.450	65.19	2.61	68.2	3.01	Peak	289.00	100	Horizontal	Pass

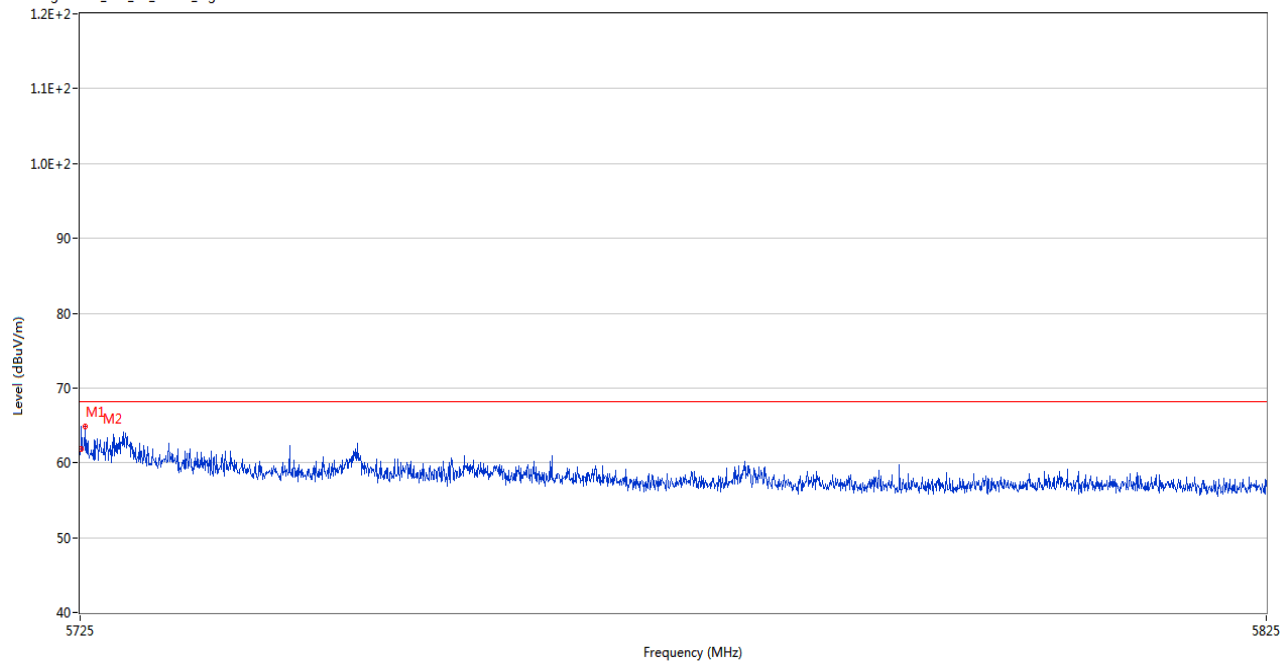
U-NII-2C 11n40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5457.300	60.01	2.51	74.0	13.99	Peak	306.00	100	Horizontal	Pass
1**	5457.300	46.99	2.51	54.0	7.01	AV	306.00	100	Horizontal	Pass
2	5460.000	58.14	2.50	74.0	15.86	Peak	360.00	200	Horizontal	Pass
2**	5460.000	47.58	2.50	54.0	6.42	AV	360.00	200	Horizontal	Pass
3	5467.900	63.84	3.14	68.2	4.36	Peak	360.00	200	Horizontal	Pass
3**	5467.900	49.71	3.14	--	--	AV	360.00	200	Horizontal	N/A
4	5469.950	60.74	2.87	68.2	7.46	Peak	297.00	200	Horizontal	Pass
4**	5469.950	49.84	2.87	--	--	AV	297.00	200	Horizontal	N/A

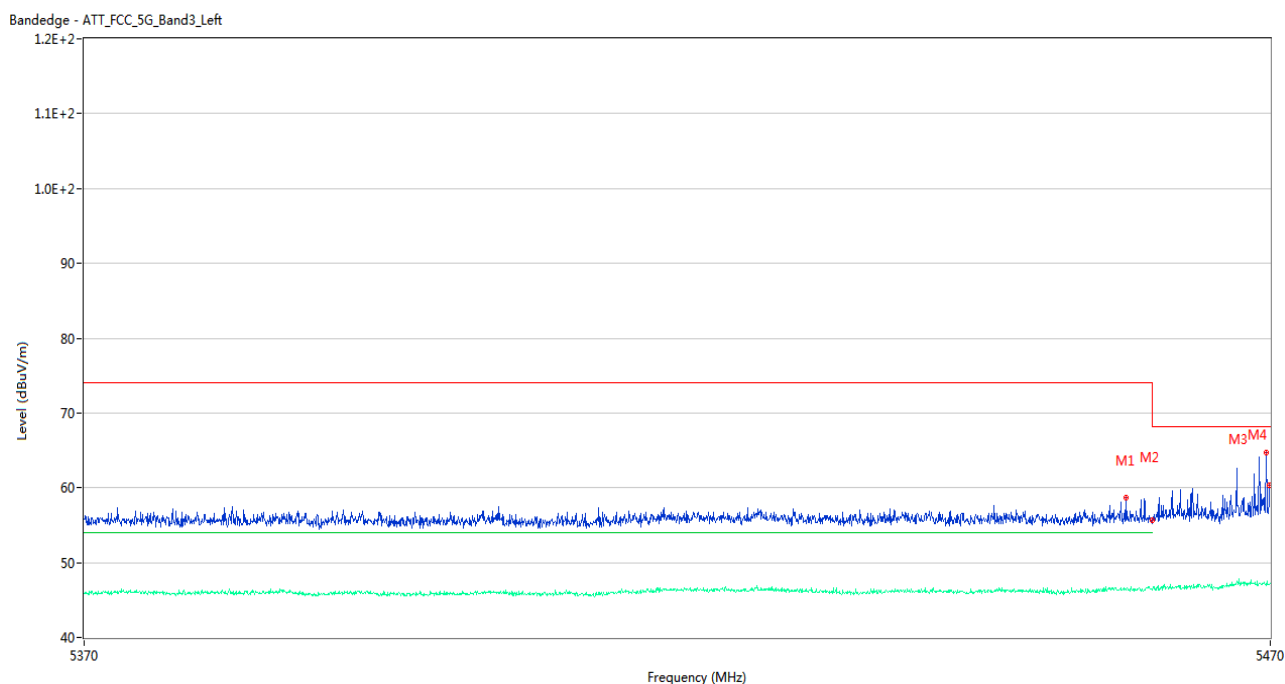
U-NII-2C 11n40 High Channel

Bandedge - ATT_FCC_5G_Band3_Right



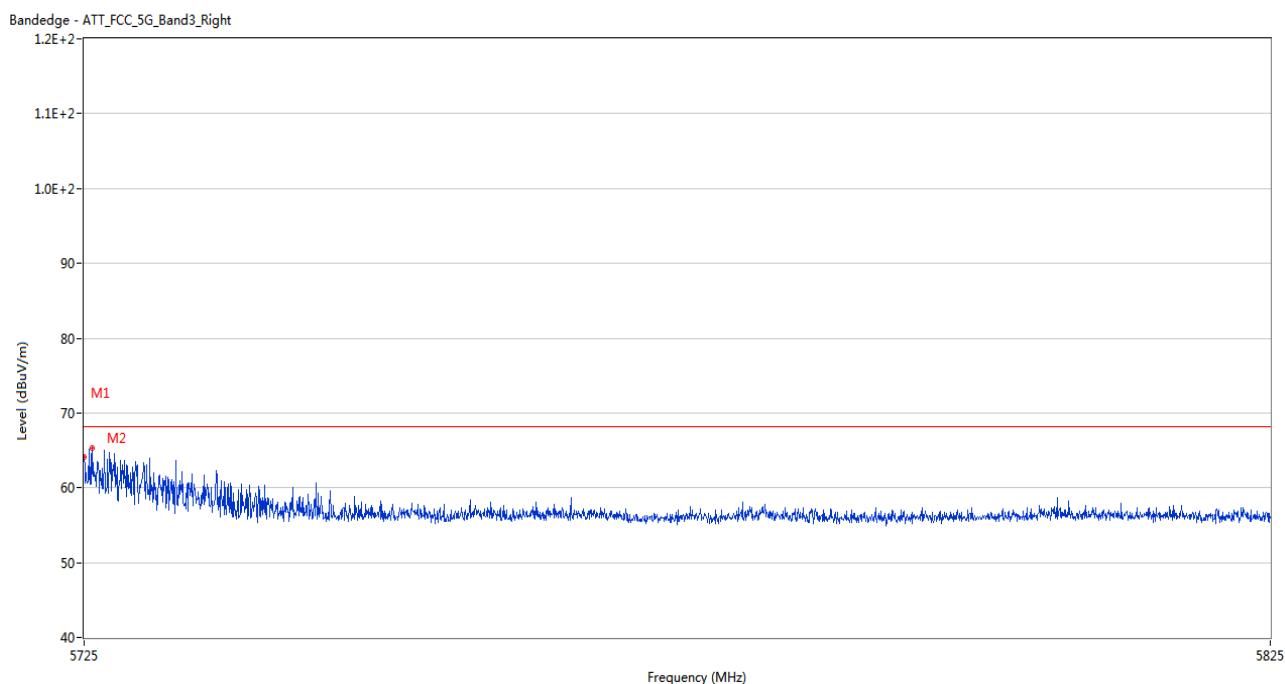
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	61.80	2.55	68.2	6.40	Peak	336.00	100	Horizontal	Pass
2	5725.450	64.91	2.54	68.2	3.29	Peak	294.00	150	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



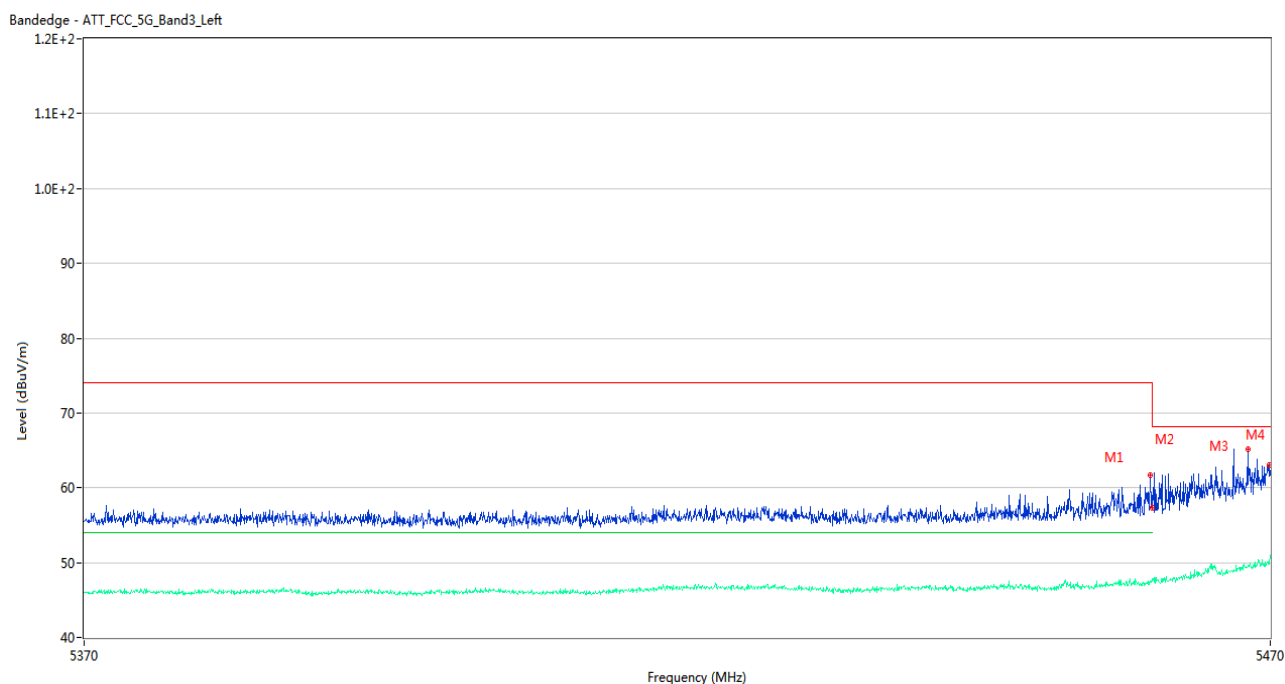
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5457.700	58.69	2.49	74.0	15.31	Peak	294.00	100	Horizontal	Pass
1**	5457.700	46.30	2.49	54.0	7.70	AV	294.00	100	Horizontal	Pass
2	5460.000	55.73	2.50	74.0	18.27	Peak	348.00	100	Horizontal	Pass
2**	5460.000	46.31	2.50	54.0	7.69	AV	348.00	100	Horizontal	Pass
3	5469.650	64.65	2.90	68.2	3.55	Peak	18.00	100	Horizontal	Pass
3**	5469.650	47.00	2.90	--	--	AV	18.00	100	Horizontal	N/A
4	5469.950	60.31	2.87	68.2	7.89	Peak	0.00	200	Horizontal	Pass
4**	5469.950	47.11	2.87	--	--	AV	0.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel



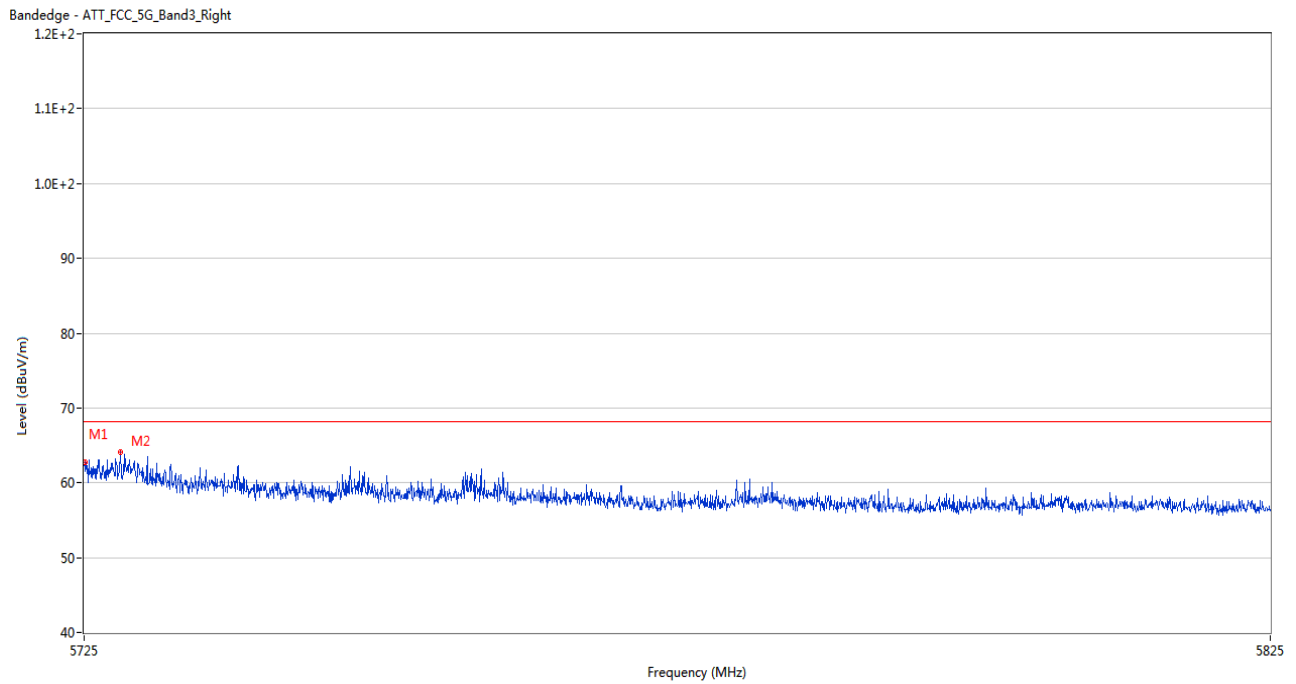
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.08	2.55	68.2	4.12	Peak	318.00	150	Horizontal	Pass
2	5725.700	65.15	2.54	68.2	3.05	Peak	289.00	200	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



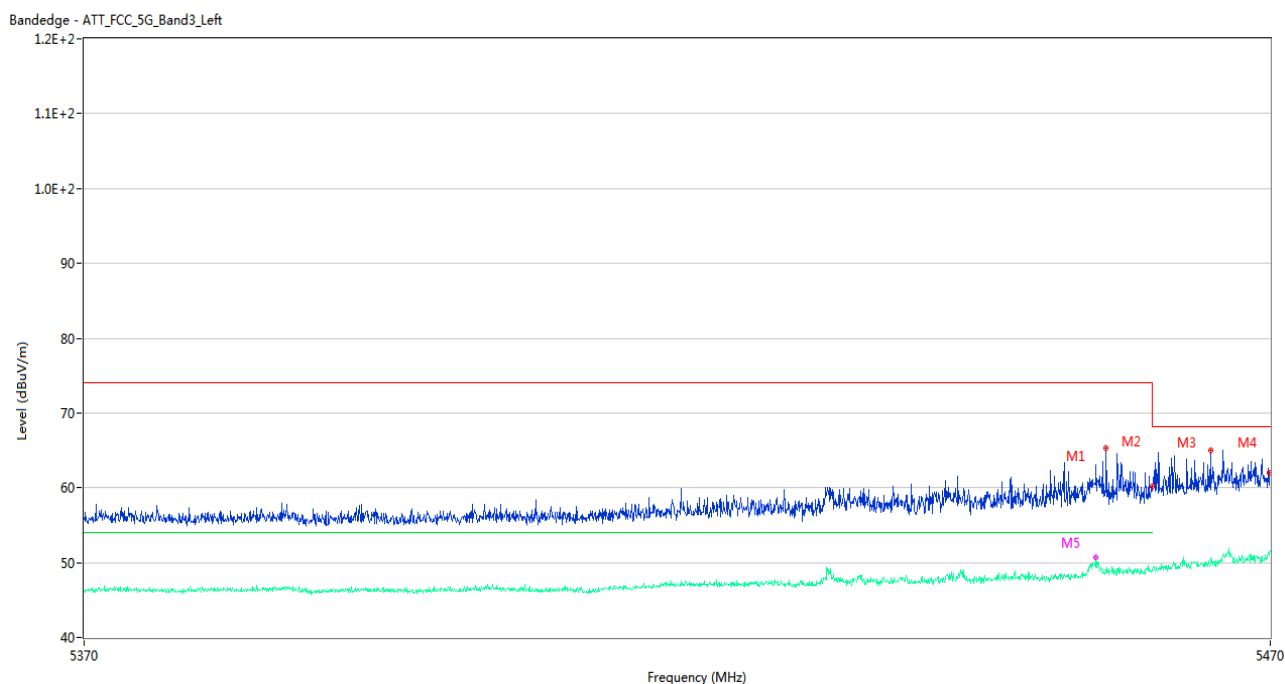
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.800	61.76	2.47	74.0	12.24	Peak	0.00	100	Horizontal	Pass
1**	5459.800	47.49	2.47	54.0	6.51	AV	0.00	100	Horizontal	Pass
2	5460.000	57.31	2.50	74.0	16.69	Peak	272.00	100	Horizontal	Pass
2**	5460.000	47.78	2.50	54.0	6.22	AV	272.00	100	Horizontal	Pass
3	5468.100	65.11	3.11	68.2	3.09	Peak	21.00	200	Horizontal	Pass
3**	5468.100	49.42	3.11	--	--	AV	21.00	200	Horizontal	N/A
4	5469.950	63.00	2.87	68.2	5.20	Peak	0.00	150	Horizontal	Pass
4**	5469.950	49.83	2.87	--	--	AV	0.00	150	Horizontal	N/A

U-NII-2C 11ac40 High Channel



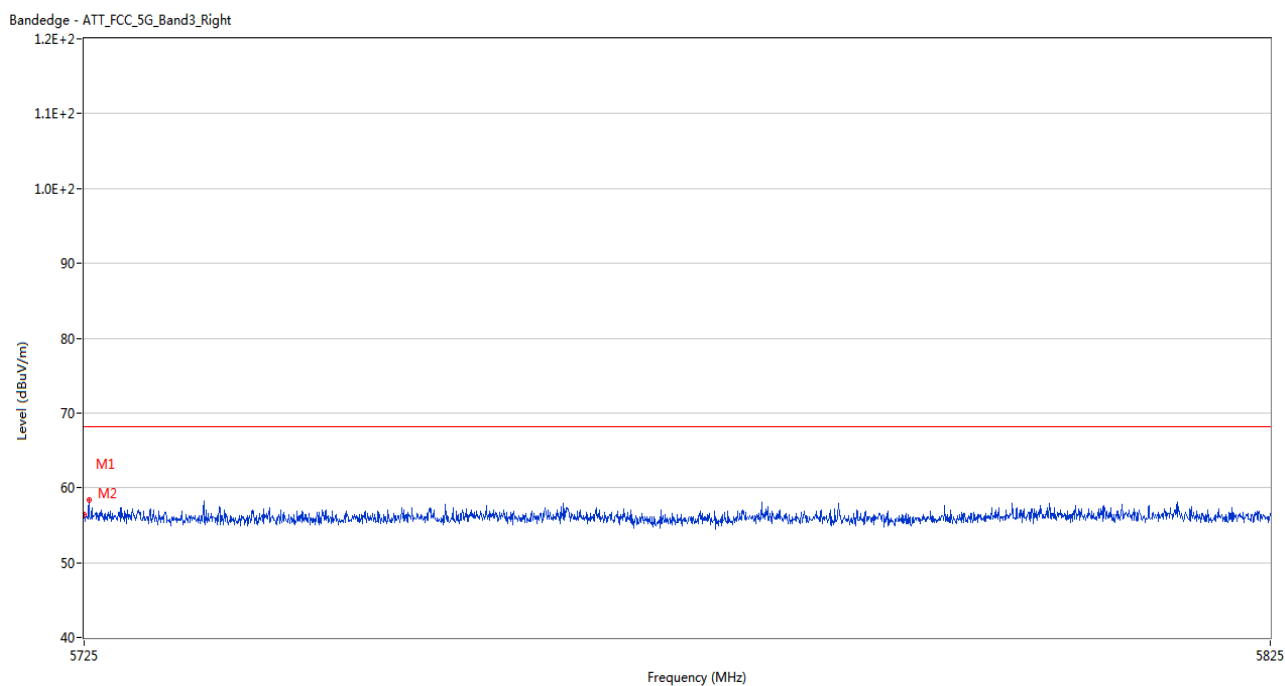
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	62.76	2.55	68.2	5.44	Peak	292.00	100	Horizontal	Pass
2	5728.000	64.06	2.58	68.2	4.14	Peak	304.00	100	Horizontal	Pass

U-NII-2C 11ac80 Low Channel



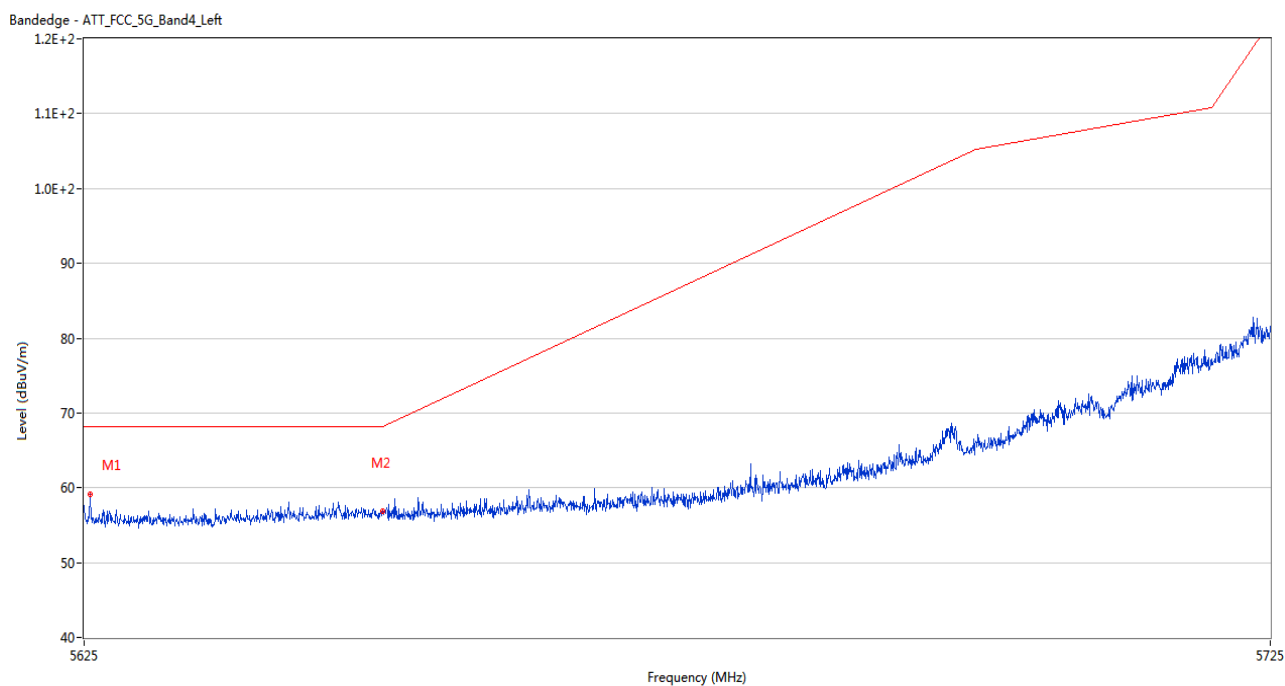
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.050	65.24	2.40	74.0	8.76	Peak	0.00	150	Horizontal	Pass
1**	5456.050	48.78	2.40	54.0	5.22	AV	0.00	150	Horizontal	Pass
2	5460.000	60.17	2.50	74.0	13.83	Peak	25.00	200	Horizontal	Pass
2**	5460.000	49.22	2.50	54.0	4.78	AV	25.00	200	Horizontal	Pass
3	5464.900	64.94	2.71	68.2	3.26	Peak	0.00	200	Horizontal	Pass
3**	5464.900	49.97	2.71	--	--	AV	0.00	200	Horizontal	N/A
4	5469.950	62.00	2.87	68.2	6.20	Peak	29.00	100	Horizontal	Pass
4**	5469.950	51.16	2.87	--	--	AV	29.00	100	Horizontal	N/A
5	5455.200	63.00	2.30	74.0	11.00	Peak	359.00	150	Horizontal	Pass
5**	5455.200	50.63	2.30	54.0	3.37	AV	359.00	150	Horizontal	Pass

U-NII-2C 11ac80 High Channel



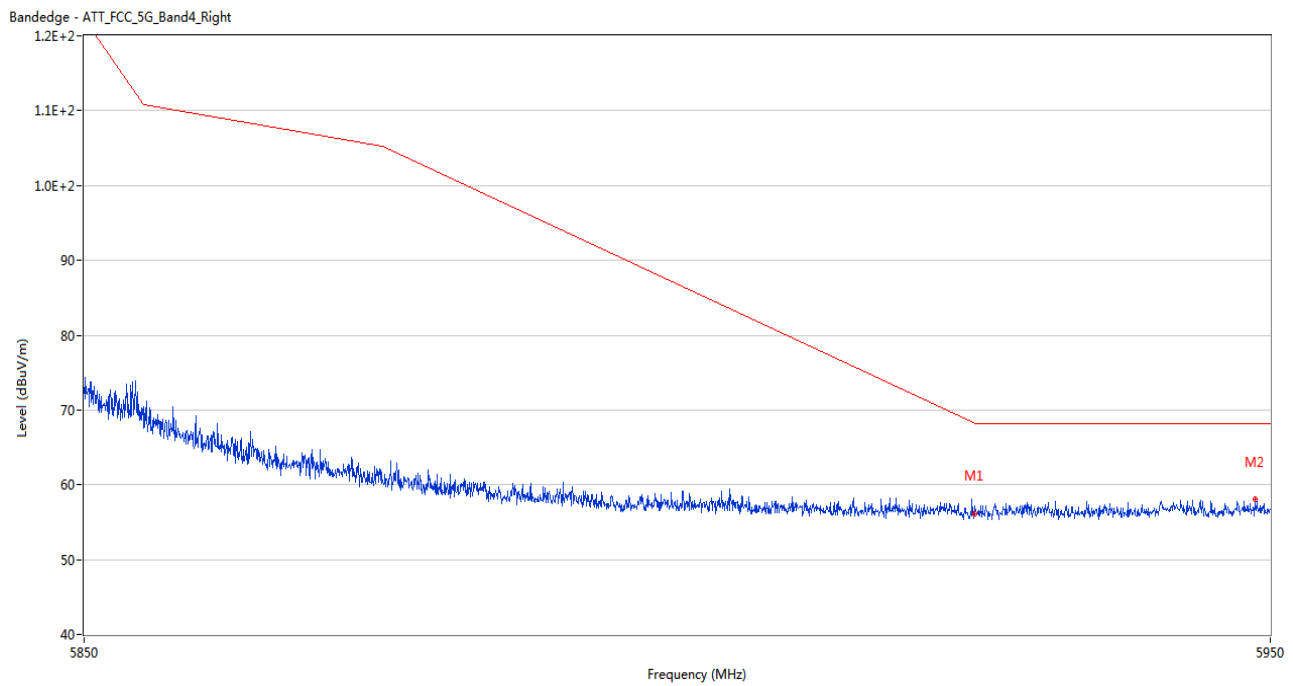
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.44	2.55	68.2	11.76	Peak	63.00	200	Horizontal	Pass
2	5725.400	58.35	2.54	68.2	9.85	Peak	50.00	200	Horizontal	Pass

U-NII-3 11a Low Channel



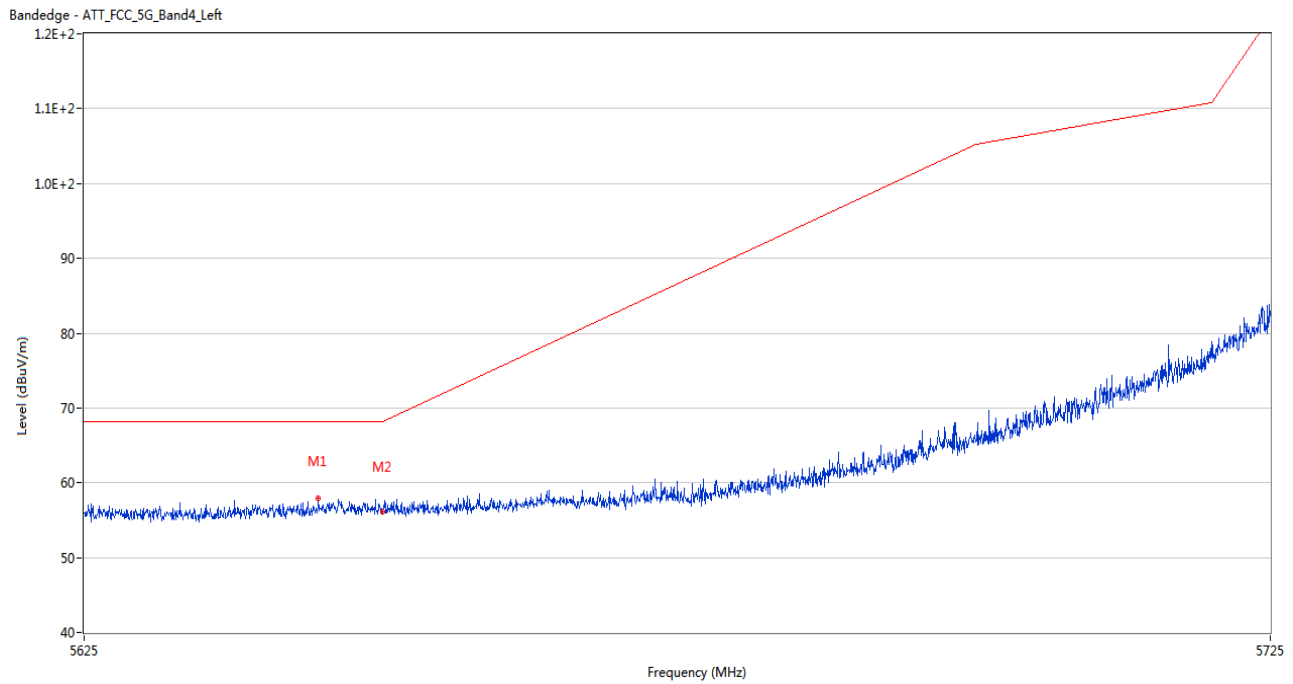
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5625.500	59.10	2.38	68.2	9.10	Peak	351.00	100	Horizontal	Pass
2	5650.000	56.90	2.54	68.2	11.30	Peak	256.00	100	Horizontal	Pass

U-NII-3 11a High Channel



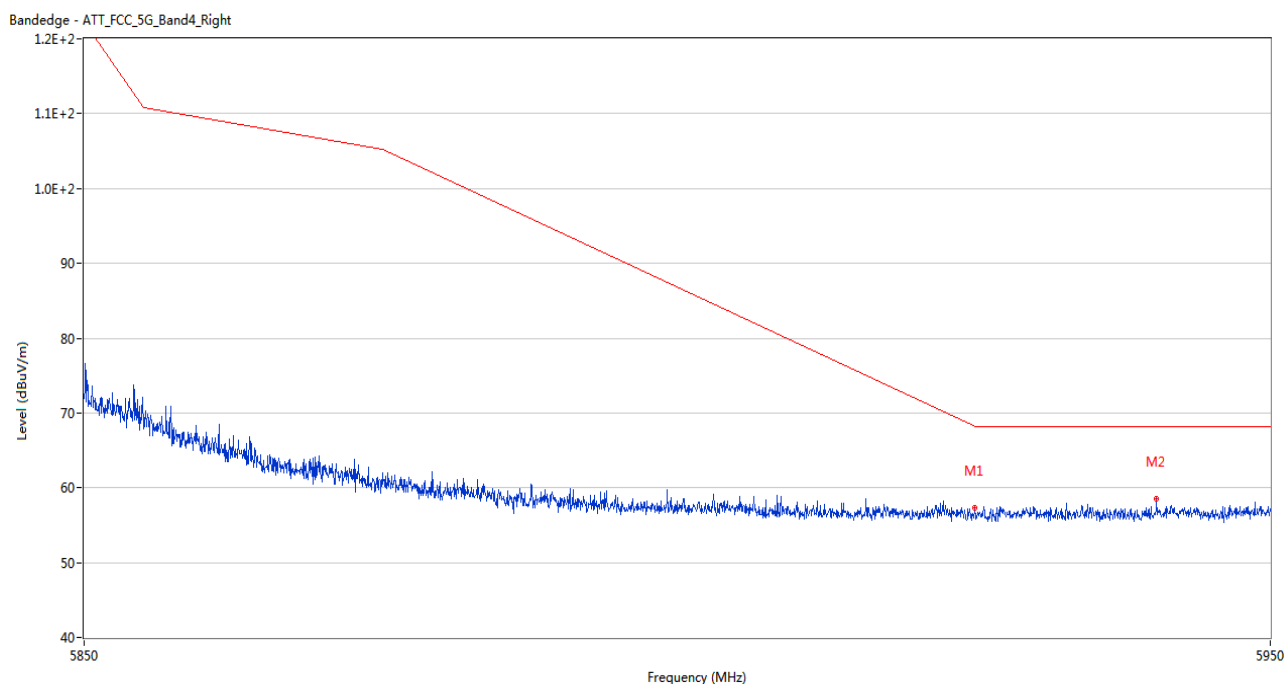
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.19	2.32	68.2	12.01	Peak	106.00	100	Horizontal	Pass
2	5948.700	58.09	2.64	68.2	10.11	Peak	194.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel



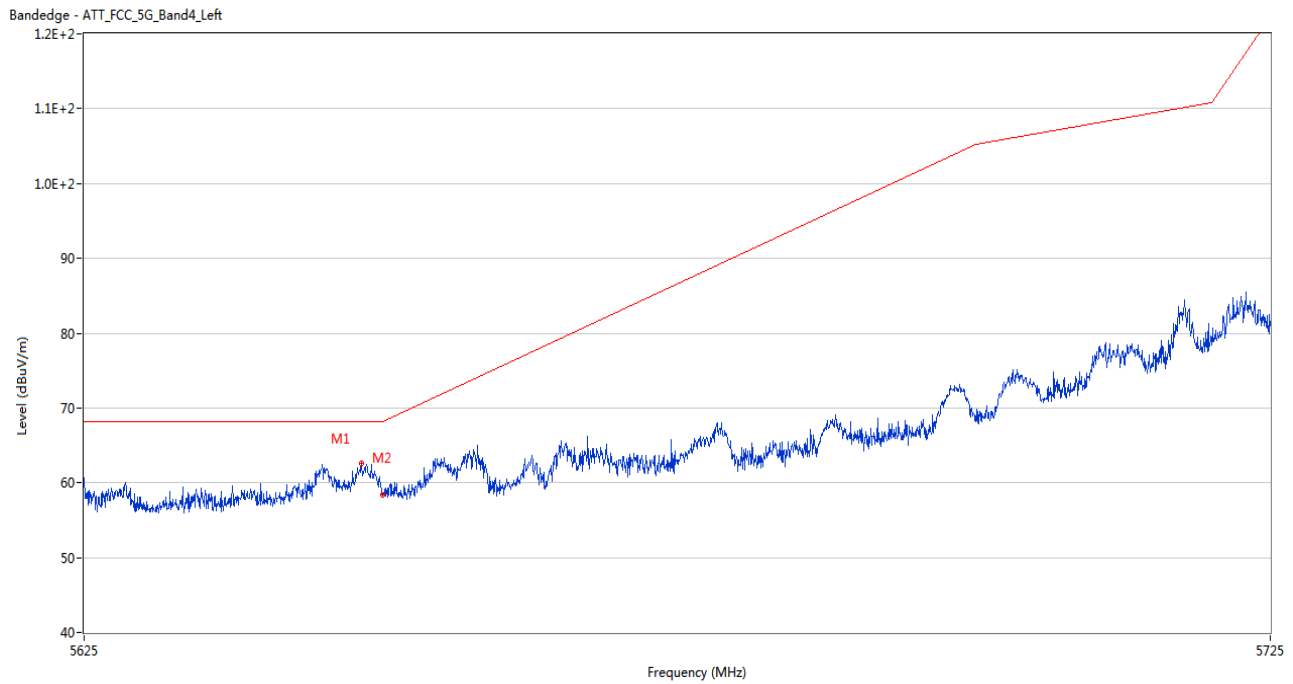
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.600	57.95	2.46	68.2	10.25	Peak	360.00	150	Horizontal	Pass
2	5650.000	56.07	2.54	68.2	12.13	Peak	13.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel



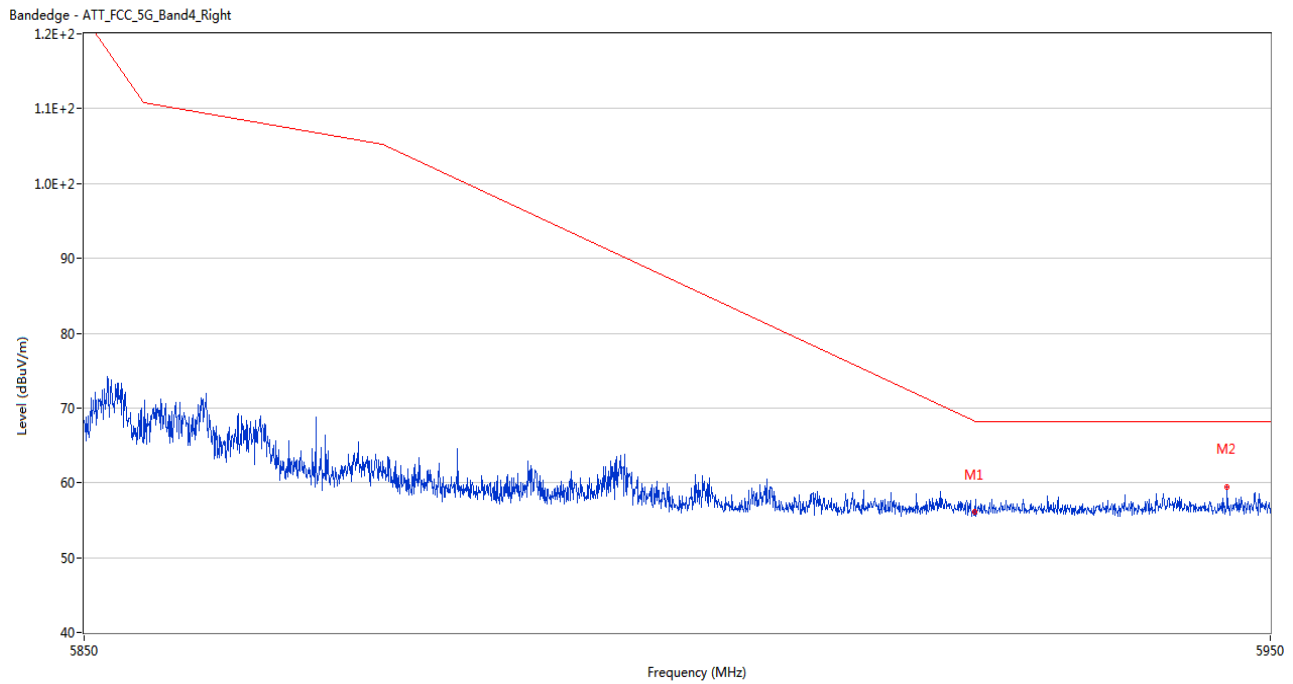
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	57.36	2.32	68.2	10.84	Peak	360.00	150	Horizontal	Pass
2	5940.350	58.46	2.57	68.2	9.74	Peak	283.00	150	Horizontal	Pass

U-NII-3 11n40 Low Channel



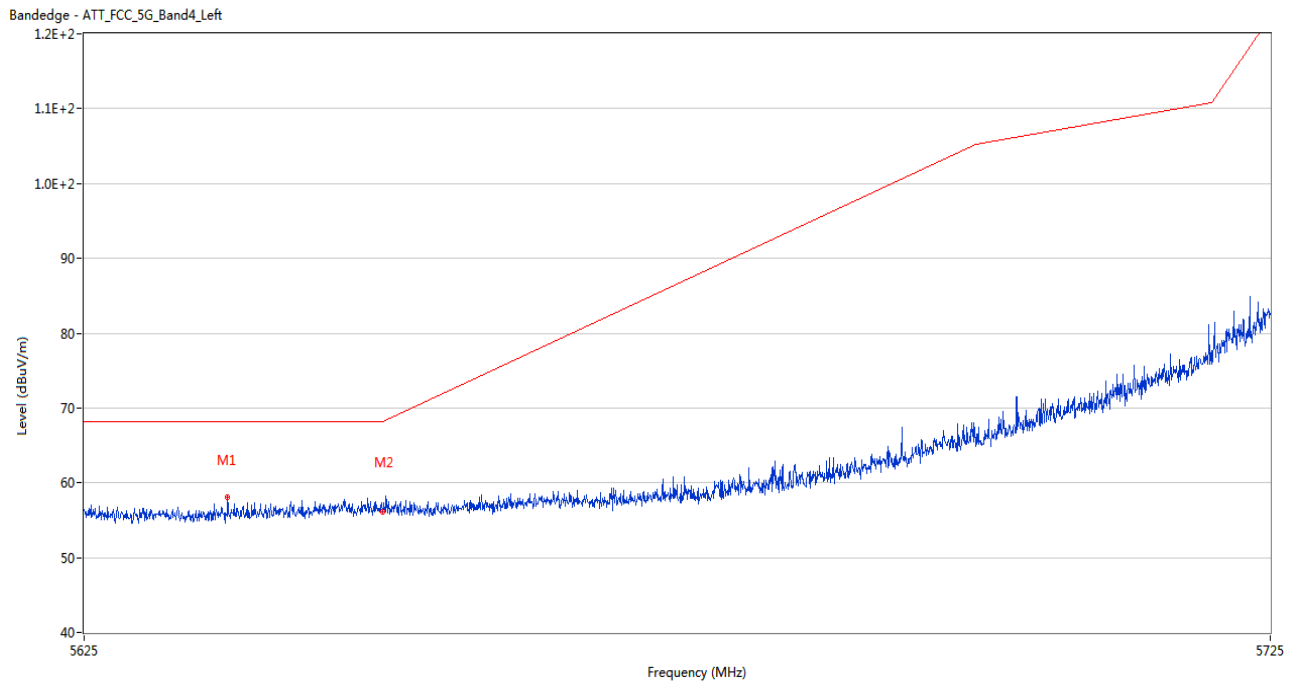
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.200	62.54	2.53	68.2	5.66	Peak	4.00	150	Horizontal	Pass
2	5650.000	58.41	2.54	68.2	9.79	Peak	291.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel



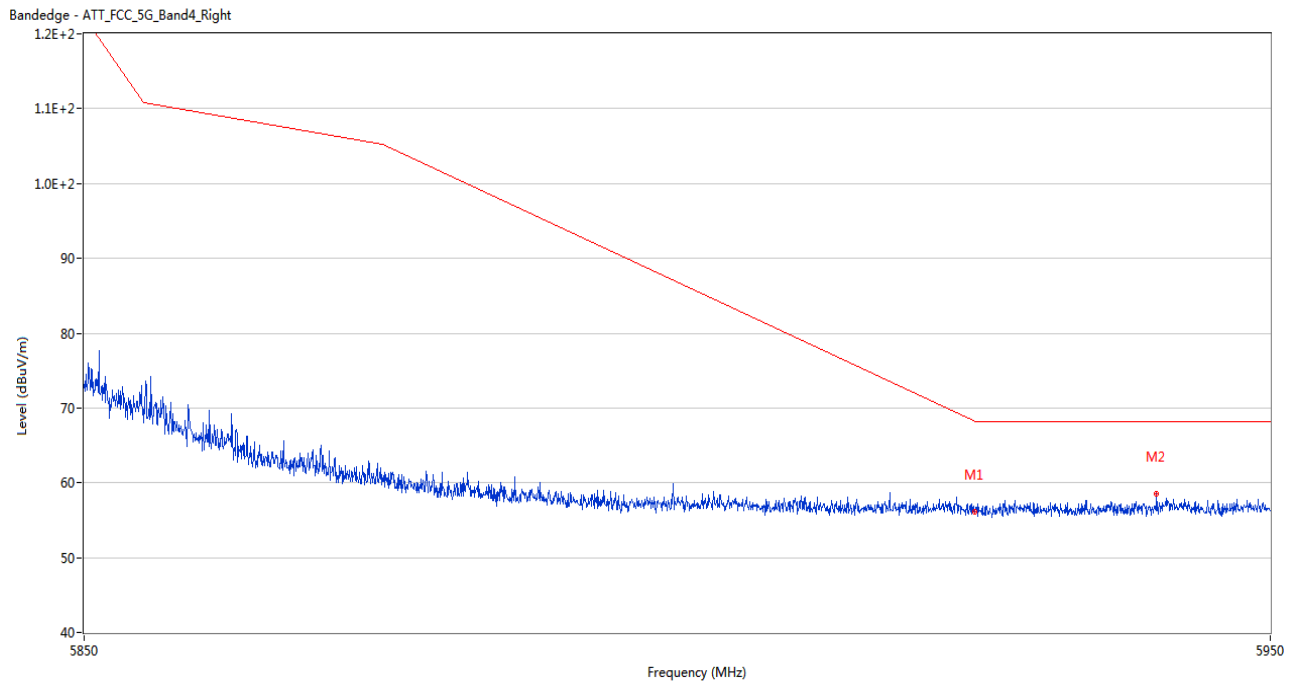
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.12	2.32	68.2	12.08	Peak	356.00	100	Horizontal	Pass
2	5946.350	59.50	2.37	68.2	8.70	Peak	3.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel



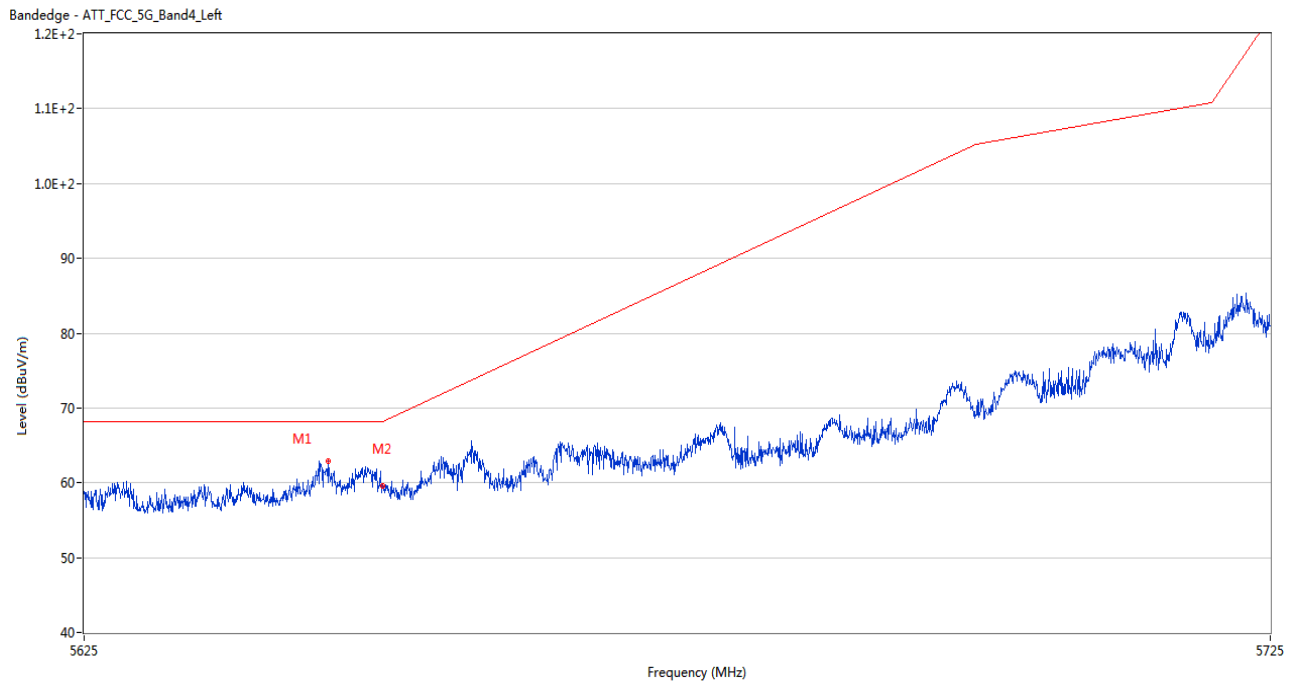
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.000	58.09	2.23	68.2	10.11	Peak	52.00	100	Horizontal	Pass
2	5650.000	56.18	2.54	68.2	12.02	Peak	360.00	200	Horizontal	Pass

U-NII-3 11ac20 High Channel



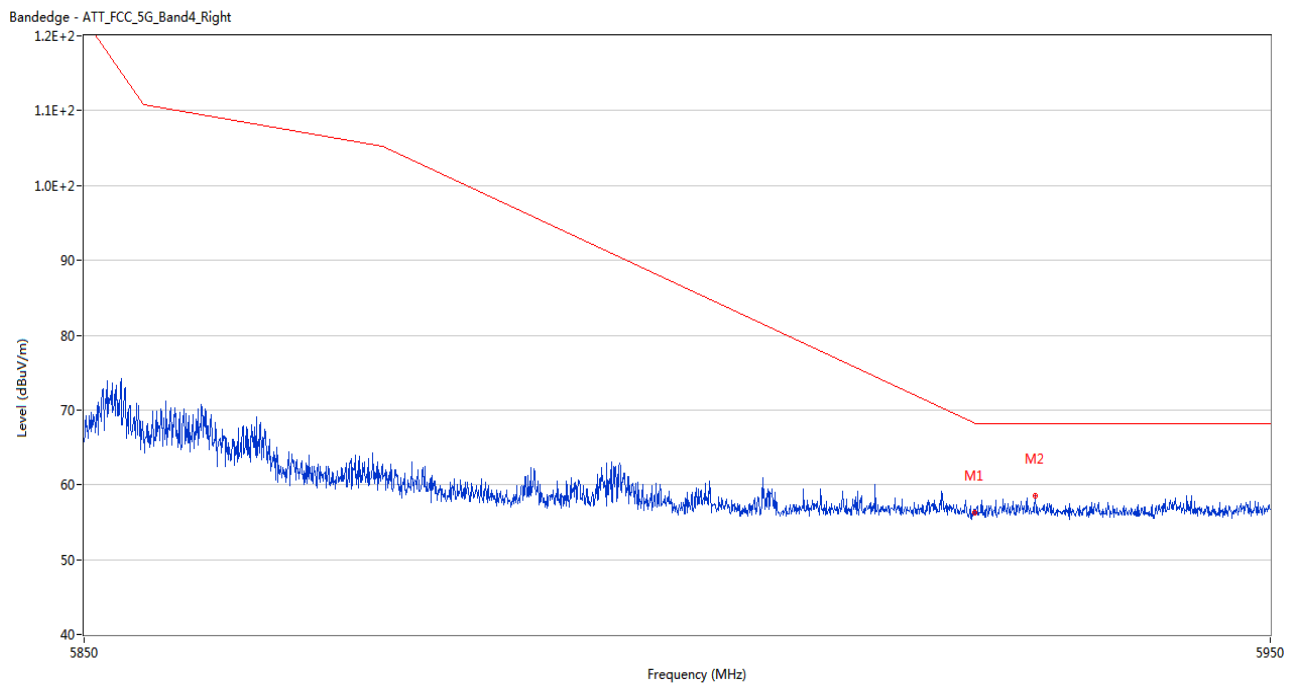
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.16	2.32	68.2	12.04	Peak	182.00	150	Horizontal	Pass
2	5940.350	58.56	2.57	68.2	9.64	Peak	259.00	200	Horizontal	Pass

U-NII-3 11ac40 Low Channel



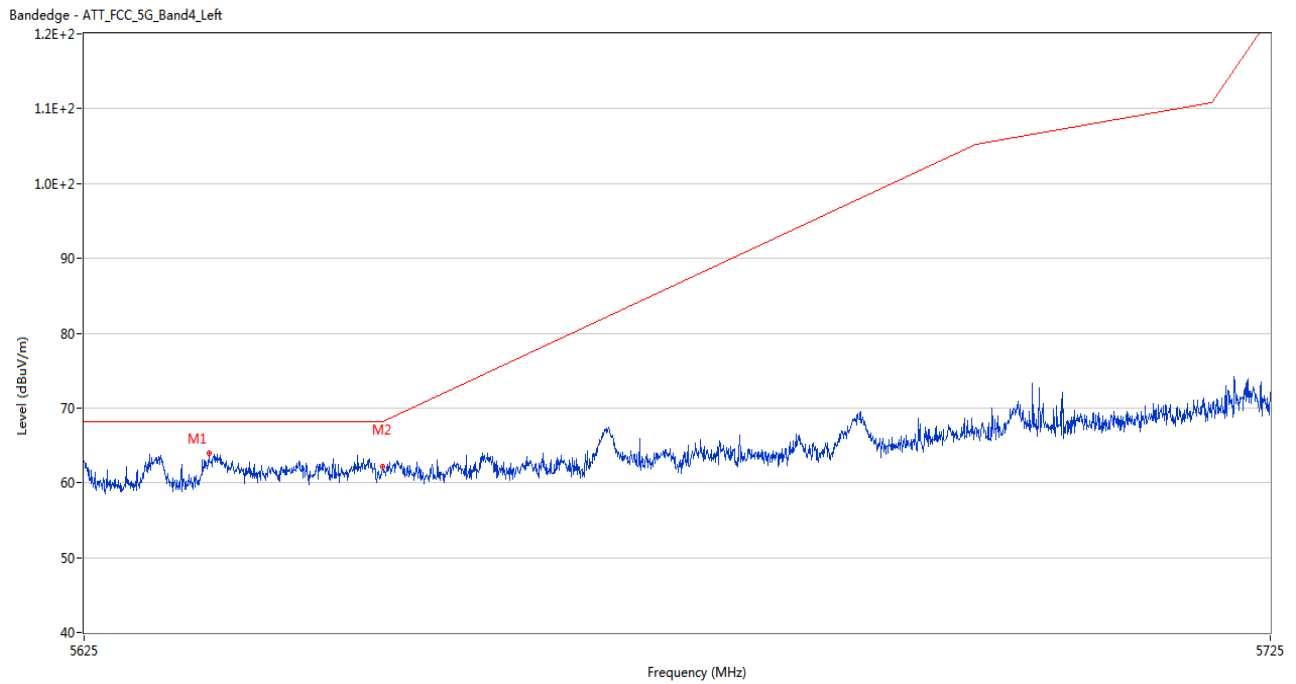
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.450	62.95	2.60	68.2	5.25	Peak	0.00	200	Horizontal	Pass
2	5650.000	59.56	2.54	68.2	8.64	Peak	4.00	150	Horizontal	Pass

U-NII-3 11ac40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.27	2.32	68.2	11.93	Peak	252.00	100	Horizontal	Pass
2	5930.050	58.55	2.61	68.2	9.65	Peak	142.00	100	Horizontal	Pass

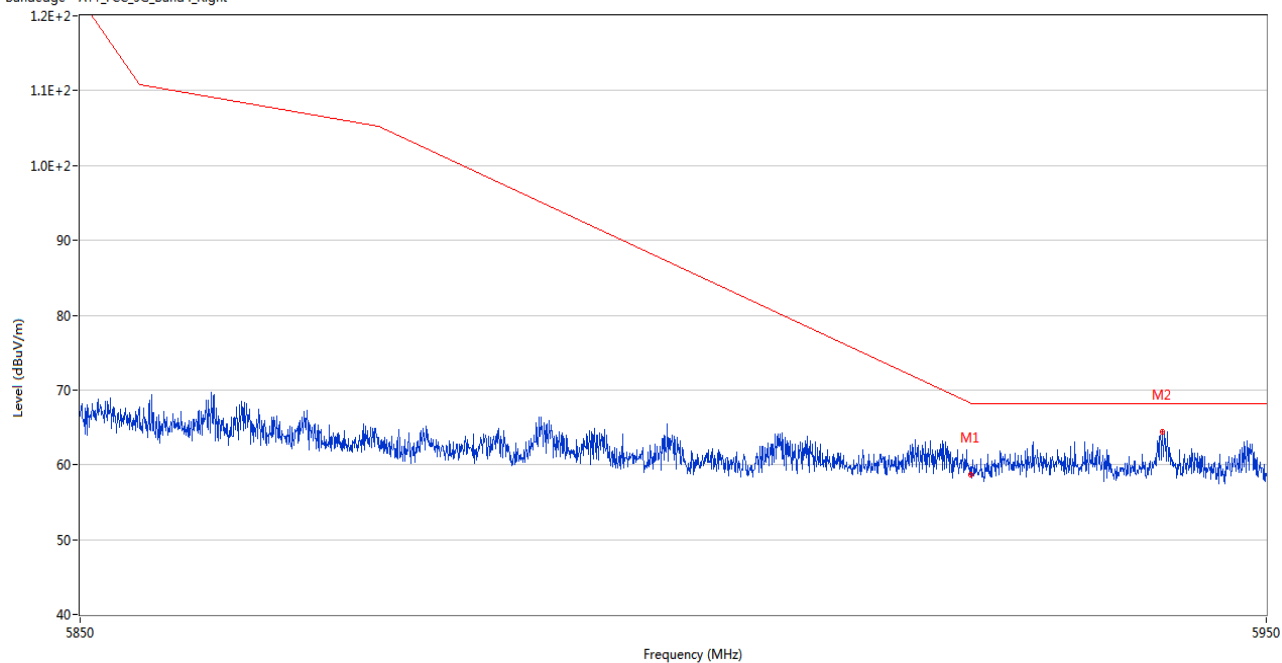
U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.450	64.03	2.02	68.2	4.17	Peak	292.00	150	Horizontal	Pass
2	5650.000	62.09	2.54	68.2	6.11	Peak	14.00	100	Horizontal	Pass

U-NII-3 11ac80 Middle Channel

Bandedge - ATT_FCC_5G_Band4_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	58.68	2.32	68.2	9.52	Peak	312.00	100	Horizontal	Pass
2	5941.150	64.44	2.78	68.2	3.76	Peak	283.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2480394-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2480394-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2480394-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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--END OF REPORT--