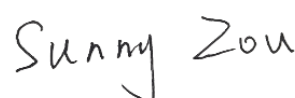


TEST REPORT

Applicant: Glimpse LLC
Address: 101a Clay Street #144, San Francisco, CA 94111, USA
Equipment Type: 15.6 inch WiFi Digital Photo Frame, 15.6 inch WiFi Digital Photo Calendar
Model Name: 150-FRM (refer to section 2.3)
Brand Name: Skylight
FCC ID: 2BF8S-150-2
ISED Number: 26595-1502
HVIN: 150-2
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Jul. 22, 2024
Test Date: Jul. 26, 2024 - Aug. 29, 2024
Date of Issue: Sep. 06, 2024

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>Sep. 06, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. 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	Glimpse LLC
Address	101a Clay Street #144, San Francisco, CA 94111, USA

2.2 Manufacturer Information

Manufacturer	Glimpse LLC
Address	101a Clay Street #144, San Francisco, CA 94111, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	15.6 inch WiFi Digital Photo Frame, 15.6 inch WiFi Digital Photo Calendar
Model Name Under Test	150-FRM
Series Model Name	150-CAL
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in colors. (this information provided by the applicant)
Serial Number	HVN46SJE8000019
Hardware Version	AY7222A_V2
Software Version	AY7222A_rk3562_15_inch_EVT004_20240625104900
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth BLE WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9 802.11ax up to 286.8 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz 802.11ax: 20 MHz, 40 MHz
Maximum Output Power	U-NII-1: 30.90 mW U-NII-2A: 22.18 mW U-NII-2C: 23.71 mW U-NII-3: 35.65 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 5.6 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.86 dBi U-NII-2C: 5470 MHz to 5725 MHz: 6.07 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.26 dBi
About the Product	The equipment is 15.6 inch WiFi Digital Photo Frame, 15.6 inch WiFi Digital Photo Calendar, intended for used with information technology equipment.

2.5 Channel List

20 MHz		40 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	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)/ax(HE20)

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)/ax(HE40)

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ax(20 MHz)	4		48/36	64/52	140/100	165/149
	11ax(40 MHz)	8		46/38	62/54	134/102	159/151

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	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	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	-- ^{Note4}
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	-- ^{Note4}
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.

Note ⁴: The RF module (Model Name: MWH640S) installed in the EUT is electronically and mechanically identical to the original certified module in the test report No. SRTC2024-9004(F)-24051402(G) (FCC ID: 2AJVQ-MWH640S) & No. SRTC2024-9004(I)-24051402(G) (ISED Number: 22470-MWH640S), which issued by The State Radio_monitoring_center Testing Center (SRTC) on Jun. 11, 2024, so just RF Output Power & Power Spectral Density & Conducted Emission & Radiated Spurious Emissions and Band Edge (Restricted-band) were retested in this report. Other test items please refer to the report No. SRTC2024-9004(F)-24051402(G) (FCC ID: 2AJVQ-MWH640S) & No. SRTC2024-9004(I)-24051402(G) (ISED Number: 22470-MWH640S), which issued by The State Radio_monitoring_center Testing Center (SRTC) on Jun. 11, 2024.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	37% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+19.5℃ to +25.9℃
Working Voltage of the EUT	NV (Normal Voltage)	12.0 V

Note: The extreme test conditions please refer to the Report No. SRTC2024-9004(F)-24051402(G) (FCC ID: 2AJVQ-MWH640S) & No. SRTC2024-9004(I)-24051402(G) (ISED Number: 22470-MWH640S) issued by The State Radio_monitoring_center Testing Center (SRTC) on Jun. 11, 2024.

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2025.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
				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	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04
Anechoic Chamber	YiHeng	9m*6m*6m	142	2021.08.19	2024.08.18
				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°C
Humidity	4%

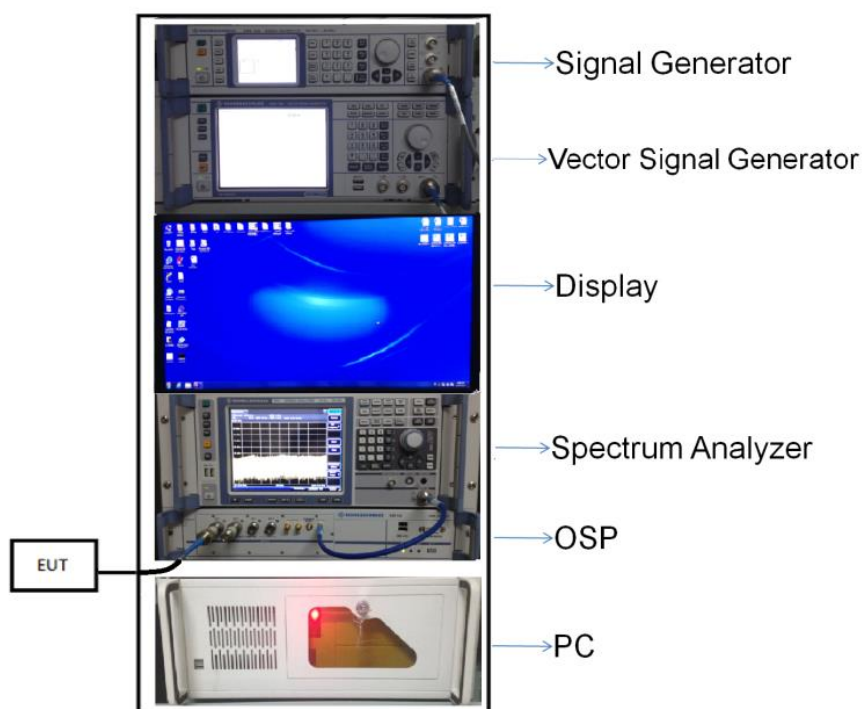
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

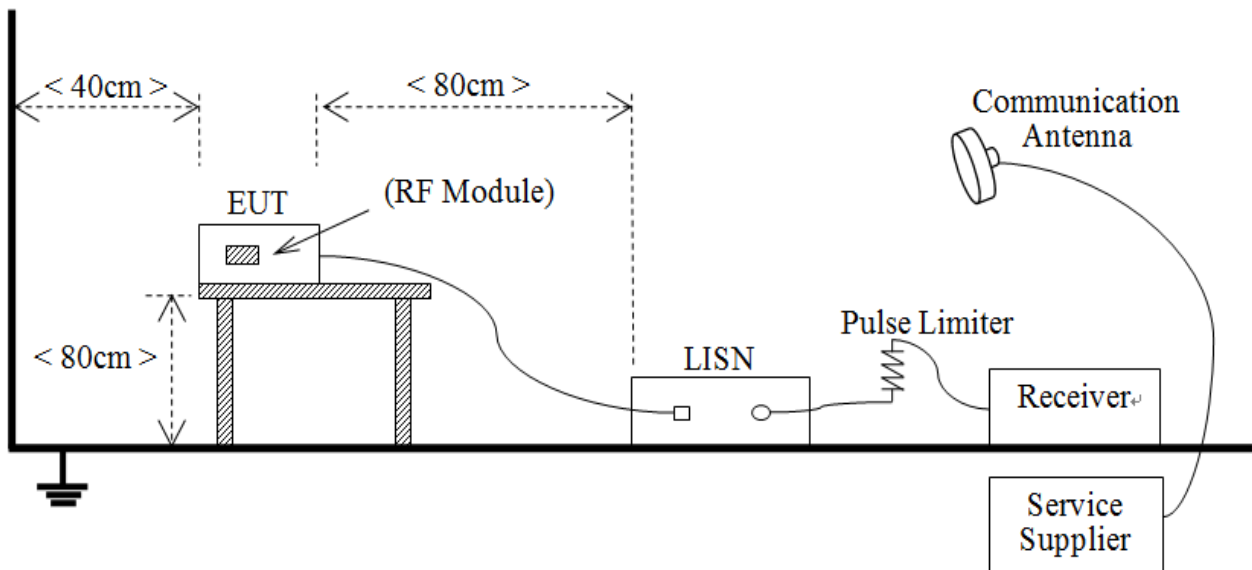
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



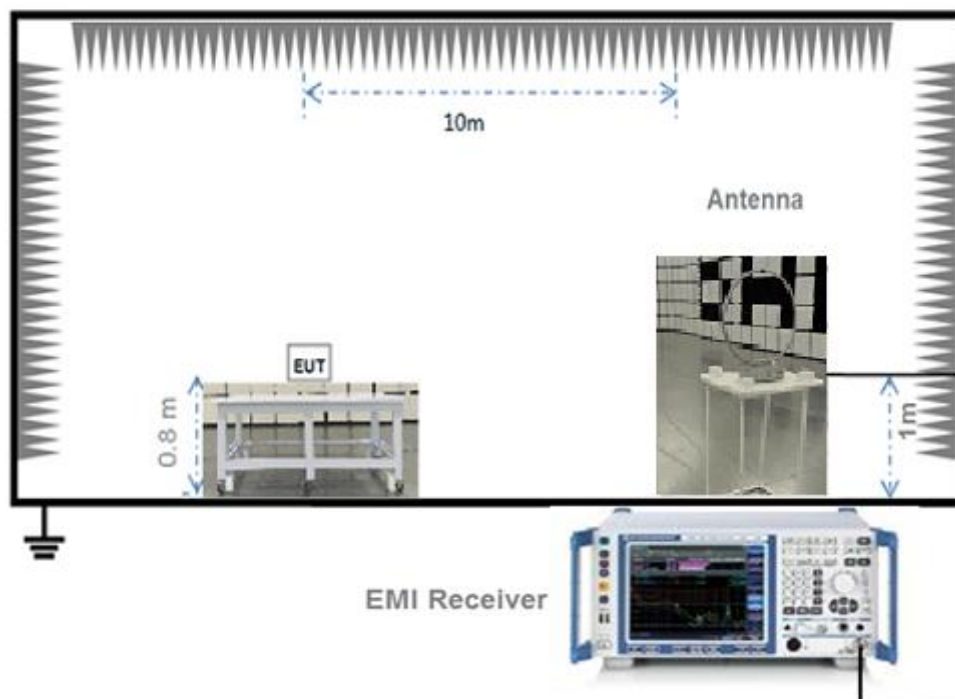
(Diagram 1)

4.5.2 For AC Power Supply Port Test



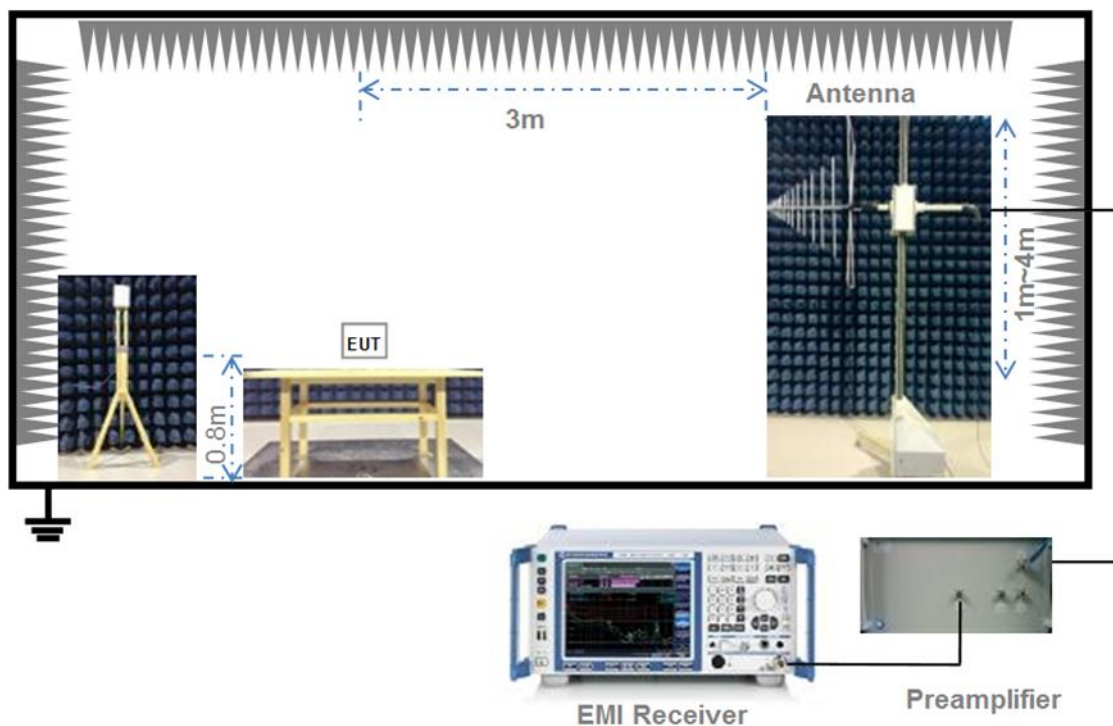
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



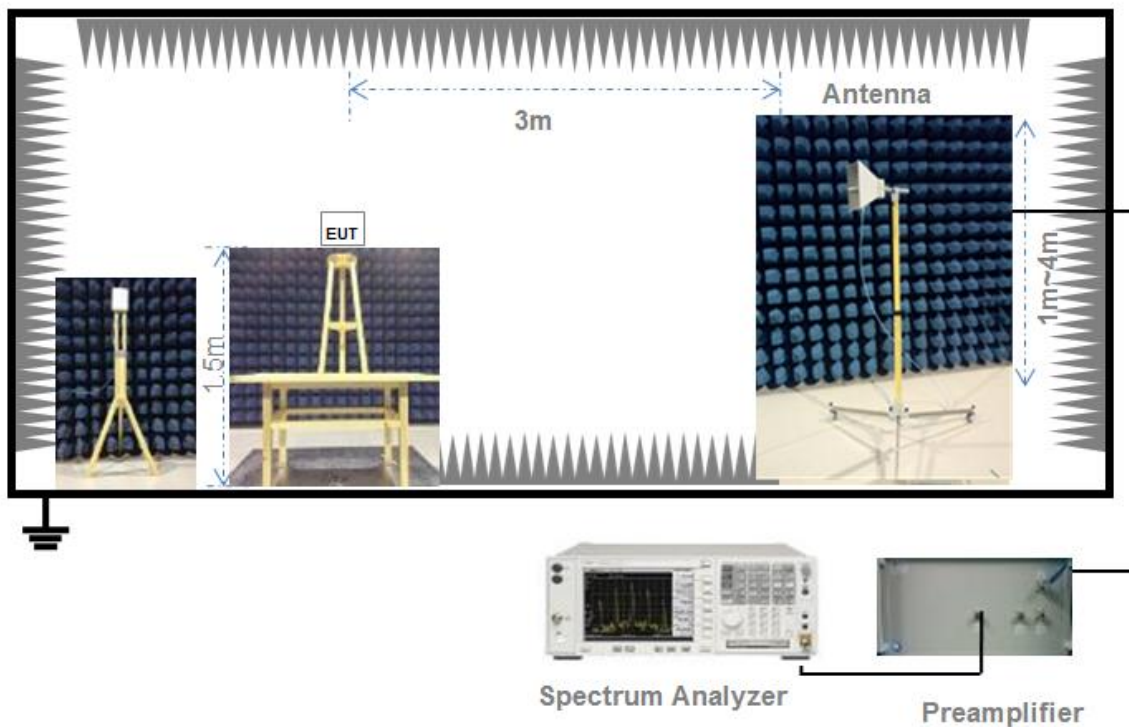
(Diagram 3)

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)

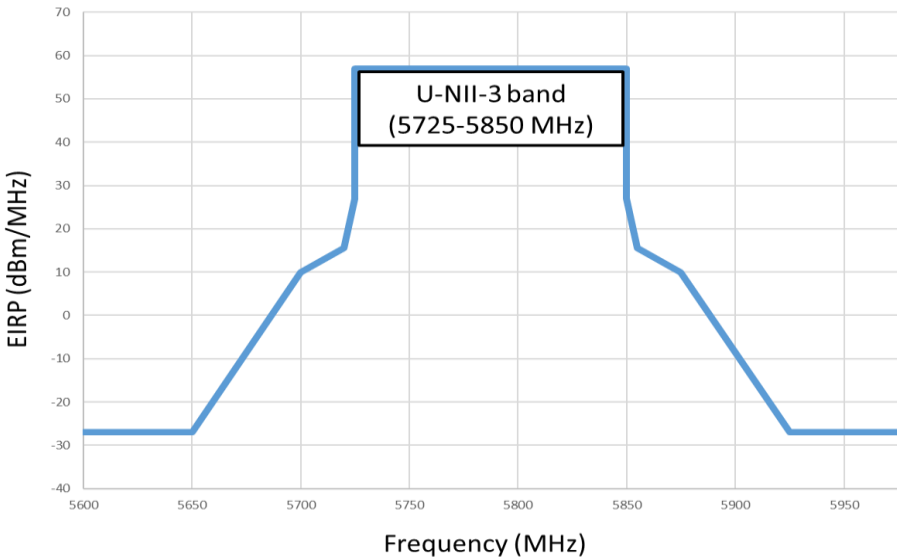
5.5.1 Limit

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.

Note ³: All the configurations were tested, but only the worst data was shown in this report.

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.42	21.98	250	Pass
11a	CH44	14.41	27.61	250	Pass
11a	CH48	14.02	25.23	250	Pass
11n (HT20)	CH36	14.34	27.16	250	Pass
11n (HT20)	CH44	14.49	28.12	250	Pass
11n (HT20)	CH48	14.28	26.79	250	Pass
11n (HT40)	CH38	12.21	16.63	250	Pass
11n (HT40)	CH46	14.13	25.88	250	Pass
11ac (VHT20)	CH36	14.32	27.04	250	Pass
11ac (VHT20)	CH44	13.72	23.55	250	Pass
11ac (VHT20)	CH48	13.97	24.95	250	Pass
11ac (VHT40)	CH38	13.17	20.75	250	Pass
11ac (VHT40)	CH46	14.90	30.90	250	Pass
11ax (HE20)	CH36	14.25	26.61	250	Pass
11ax (HE20)	CH44	14.65	29.17	250	Pass
11ax (HE20)	CH48	14.76	29.92	250	Pass
11ax (HE40)	CH38	13.02	20.04	250	Pass
11ax (HE40)	CH46	14.47	27.99	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	13.30	21.38	250	214	Pass
11a	CH60	13.27	21.23	250	213	Pass
11a	CH64	13.45	22.13	250	213	Pass
11n (HT20)	CH52	13.35	21.63	250	228	Pass
11n (HT20)	CH60	13.30	21.38	250	229	Pass
11n (HT20)	CH64	13.37	21.73	250	228	Pass
11n (HT40)	CH54	13.16	20.70	250	250	Pass
11n (HT40)	CH62	13.11	20.46	250	250	Pass
11ac (VHT20)	CH52	13.24	21.09	250	227	Pass
11ac (VHT20)	CH60	13.46	22.18	250	228	Pass
11ac (VHT20)	CH64	12.88	19.41	250	228	Pass
11ac (VHT40)	CH54	12.74	18.79	250	250	Pass
11ac (VHT40)	CH62	12.93	19.63	250	250	Pass
11ax (HE20)	CH52	13.00	19.95	250	241	Pass
11ax (HE20)	CH60	13.01	20.00	250	241	Pass
11ax (HE20)	CH64	13.28	21.28	250	240	Pass
11ax (HE40)	CH54	13.08	20.32	250	250	Pass
11ax (HE40)	CH62	12.89	19.45	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Note: Transmitting antennas of directional gain in U-NII-2C (5470 MHz to 5725 MHz) is 6.07 dBi						
Formulas: Directional gain = GANT + Array Gain, <i>Array Gain</i> = 0.						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	11.96	15.70	247	216	Pass
11a	CH116	12.69	18.58	247	215	Pass
11a	CH140	11.73	14.89	247	214	Pass
11n (HT20)	CH100	12.50	17.78	247	230	Pass
11n (HT20)	CH116	12.61	18.24	247	231	Pass
11n (HT20)	CH140	13.05	20.18	247	230	Pass
11n (HT40)	CH102	12.12	16.29	247	250	Pass
11n (HT40)	CH118	13.26	21.18	247	250	Pass
11n (HT40)	CH134	12.98	19.86	247	250	Pass
11ac (VHT20)	CH100	12.35	17.18	247	230	Pass
11ac (VHT20)	CH116	13.15	20.65	247	230	Pass
11ac (VHT20)	CH140	12.24	16.75	247	231	Pass
11ac (VHT40)	CH102	12.17	16.48	247	250	Pass
11ac (VHT40)	CH118	12.71	18.66	247	250	Pass
11ac (VHT40)	CH134	13.75	23.71	247	250	Pass
11ax (HE20)	CH100	13.15	20.65	247	242	Pass
11ax (HE20)	CH116	12.67	18.49	247	242	Pass
11ax (HE20)	CH140	12.65	18.41	247	242	Pass
11ax (HE40)	CH102	12.51	17.82	247	250	Pass
11ax (HE40)	CH118	12.43	17.50	247	250	Pass
11ax (HE40)	CH134	13.20	20.89	247	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH36	14.69	29.44	1000	Pass
11a	CH44	13.90	24.55	1000	Pass
11a	CH48	12.33	17.10	1000	Pass
11n (HT20)	CH36	15.24	33.42	1000	Pass
11n (HT20)	CH44	13.91	24.60	1000	Pass
11n (HT20)	CH48	12.60	18.20	1000	Pass
11n (HT40)	CH38	15.26	33.57	1000	Pass
11n (HT40)	CH46	14.52	28.31	1000	Pass
11ac (VHT20)	CH36	13.36	21.68	1000	Pass
11ac (VHT20)	CH44	13.94	24.77	1000	Pass
11ac (VHT20)	CH48	14.28	26.79	1000	Pass
11ac (VHT40)	CH38	15.24	33.42	1000	Pass
11ac (VHT40)	CH46	14.21	26.36	1000	Pass
11ax (HE20)	CH36	15.52	35.65	1000	Pass
11ax (HE20)	CH44	14.67	29.31	1000	Pass
11ax (HE20)	CH48	12.73	18.75	1000	Pass
11ax (HE40)	CH38	14.63	29.04	1000	Pass
11ax (HE40)	CH46	13.72	23.55	1000	Pass

E.I.R.P

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	19.02	79.80	170	Pass
11a	CH44	20.01	100.23	169	Pass
11a	CH48	19.62	91.62	170	Pass
11n (HT20)	CH36	19.94	98.63	181	Pass
11n (HT20)	CH44	20.09	102.09	181	Pass
11n (HT20)	CH48	19.88	97.27	181	Pass
11n (HT40)	CH38	17.81	60.39	200	Pass
11n (HT40)	CH46	19.73	93.97	200	Pass
11ac (VHT20)	CH36	19.92	98.17	182	Pass
11ac (VHT20)	CH44	19.32	85.51	181	Pass
11ac (VHT20)	CH48	19.57	90.57	181	Pass
11ac (VHT40)	CH38	18.77	75.34	200	Pass
11ac (VHT40)	CH46	20.50	112.20	200	Pass
11ax (HE20)	CH36	19.85	96.61	191	Pass
11ax (HE20)	CH44	20.25	105.93	191	Pass
11ax (HE20)	CH48	20.36	108.64	192	Pass
11ax (HE40)	CH38	18.62	72.78	200	Pass
11ax (HE40)	CH46	20.07	101.62	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	19.16	82.41	854	Pass
11a	CH60	19.13	81.85	850	Pass
11a	CH64	19.31	85.31	849	Pass
11n (HT20)	CH52	19.21	83.37	908	Pass
11n (HT20)	CH60	19.16	82.41	912	Pass
11n (HT20)	CH64	19.23	83.75	907	Pass
11n (HT40)	CH54	19.02	79.80	1000	Pass
11n (HT40)	CH62	18.97	78.89	1000	Pass
11ac (VHT20)	CH52	19.10	81.28	905	Pass
11ac (VHT20)	CH60	19.32	85.51	907	Pass
11ac (VHT20)	CH64	18.74	74.82	907	Pass
11ac (VHT40)	CH54	18.60	72.44	1000	Pass
11ac (VHT40)	CH62	18.79	75.68	1000	Pass
11ax (HE20)	CH52	18.86	76.91	959	Pass
11ax (HE20)	CH60	18.87	77.09	960	Pass
11ax (HE20)	CH64	19.14	82.04	956	Pass
11ax (HE40)	CH54	18.94	78.34	1000	Pass
11ax (HE40)	CH62	18.75	74.99	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	18.03	63.53	247	Pass
11a	CH116	18.76	75.16	247	Pass
11a	CH140	17.80	60.26	247	Pass
11n (HT20)	CH100	18.57	71.94	247	Pass
11n (HT20)	CH116	18.68	73.79	247	Pass
11n (HT20)	CH140	19.12	81.66	247	Pass
11n (HT40)	CH102	18.19	65.92	247	Pass
11n (HT40)	CH118	19.33	85.70	247	Pass
11n (HT40)	CH134	19.05	80.35	247	Pass
11ac (VHT20)	CH100	18.42	69.50	247	Pass
11ac (VHT20)	CH116	19.22	83.56	247	Pass
11ac (VHT20)	CH140	18.31	67.76	247	Pass
11ac (VHT40)	CH102	18.24	66.68	247	Pass
11ac (VHT40)	CH118	18.78	75.51	247	Pass
11ac (VHT40)	CH134	19.82	95.94	247	Pass
11ax (HE20)	CH100	19.22	83.56	247	Pass
11ax (HE20)	CH116	18.74	74.82	247	Pass
11ax (HE20)	CH140	18.72	74.47	247	Pass
11ax (HE40)	CH102	18.58	72.11	247	Pass
11ax (HE40)	CH118	18.50	70.79	247	Pass
11ax (HE40)	CH134	19.27	84.53	247	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	18.95	78.52	Pass
11a	CH157	18.16	65.46	Pass
11a	CH165	16.59	45.60	Pass
11n (HT20)	CH149	19.50	89.13	Pass
11n (HT20)	CH157	18.17	65.61	Pass
11n (HT20)	CH165	16.86	48.53	Pass
11n (HT40)	CH151	19.52	89.54	Pass
11n (HT40)	CH159	18.78	75.51	Pass
11ac (VHT20)	CH149	17.62	57.81	Pass
11ac (VHT20)	CH157	18.20	66.07	Pass
11ac (VHT20)	CH165	18.54	71.45	Pass
11ac (VHT40)	CH151	19.50	89.13	Pass
11ac (VHT40)	CH159	18.47	70.31	Pass
11ax (HE20)	CH149	19.78	95.06	Pass
11ax (HE20)	CH157	18.93	78.16	Pass
11ax (HE20)	CH165	16.99	50.00	Pass
11ax (HE40)	CH151	18.89	77.45	Pass
11ax (HE40)	CH159	17.98	62.81	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Not applicable.

A.3 6 dB Bandwidth

Note: Not applicable.

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2471106-607 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	-5.06	11.00	Pass
11a	CH44	-4.03	11.00	Pass
11a	CH48	-4.86	11.00	Pass
11n (HT20)	CH36	-1.61	11.00	Pass
11n (HT20)	CH44	-2.19	11.00	Pass
11n (HT20)	CH48	-2.30	11.00	Pass
11n (HT40)	CH38	-7.30	11.00	Pass
11n (HT40)	CH46	-5.27	11.00	Pass
11ac (VHT20)	CH36	-2.42	11.00	Pass
11ac (VHT20)	CH44	-2.02	11.00	Pass
11ac (VHT20)	CH48	-2.07	11.00	Pass
11ac (VHT40)	CH38	-6.54	11.00	Pass
11ac (VHT40)	CH46	-4.06	11.00	Pass
11ax (HE20)	CH36	-2.79	11.00	Pass
11ax (HE20)	CH44	-3.41	11.00	Pass
11ax (HE20)	CH48	-3.19	11.00	Pass
11ax (HE40)	CH38	-7.20	11.00	Pass
11ax (HE40)	CH46	-5.74	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH52	-8.19	11.00	Pass
11a	CH60	-9.50	11.00	Pass
11a	CH64	-6.92	11.00	Pass
11n (HT20)	CH52	-4.94	11.00	Pass
11n (HT20)	CH60	-4.57	11.00	Pass
11n (HT20)	CH64	-3.38	11.00	Pass
11n (HT40)	CH54	-7.60	11.00	Pass
11n (HT40)	CH62	-7.15	11.00	Pass
11ac (VHT20)	CH52	-3.98	11.00	Pass
11ac (VHT20)	CH60	-4.57	11.00	Pass
11ac (VHT20)	CH64	-3.64	11.00	Pass
11ac (VHT40)	CH54	-7.46	11.00	Pass
11ac (VHT40)	CH62	-7.56	11.00	Pass
11ax (HE20)	CH52	-5.73	11.00	Pass
11ax (HE20)	CH60	-5.61	11.00	Pass
11ax (HE20)	CH64	-5.81	11.00	Pass
11ax (HE40)	CH54	-7.94	11.00	Pass
11ax (HE40)	CH62	-7.95	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH100	-8.70	11.00	Pass
11a	CH116	-6.09	11.00	Pass
11a	CH140	-7.64	11.00	Pass
11n (HT20)	CH100	-2.92	11.00	Pass
11n (HT20)	CH116	-2.20	11.00	Pass
11n (HT20)	CH140	-4.64	11.00	Pass
11n (HT40)	CH102	-7.23	11.00	Pass
11n (HT40)	CH118	-5.67	11.00	Pass
11n (HT40)	CH134	-5.96	11.00	Pass
11ac (VHT20)	CH100	-3.04	11.00	Pass
11ac (VHT20)	CH116	-2.46	11.00	Pass
11ac (VHT20)	CH140	-5.98	11.00	Pass
11ac (VHT40)	CH102	-6.94	11.00	Pass
11ac (VHT40)	CH118	-5.66	11.00	Pass
11ac (VHT40)	CH134	-6.45	11.00	Pass
11ax (HE20)	CH100	-4.15	11.00	Pass
11ax (HE20)	CH116	-3.88	11.00	Pass
11ax (HE20)	CH140	-6.22	11.00	Pass
11ax (HE40)	CH102	-8.05	11.00	Pass
11ax (HE40)	CH118	-7.36	11.00	Pass
11ax (HE40)	CH134	-8.69	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC/IC Limit (dBm/500kHz)	Verdict
11a	CH149	-6.34	30.00	Pass
11a	CH157	-12.40	30.00	Pass
11a	CH165	-12.29	30.00	Pass
11n (HT20)	CH149	-7.19	30.00	Pass
11n (HT20)	CH157	-9.00	30.00	Pass
11n (HT20)	CH165	-10.26	30.00	Pass
11n (HT40)	CH151	-10.63	30.00	Pass
11n (HT40)	CH159	-12.66	30.00	Pass
11ac (VHT20)	CH149	-8.15	30.00	Pass
11ac (VHT20)	CH157	-9.02	30.00	Pass
11ac (VHT20)	CH165	-8.93	30.00	Pass
11ac (VHT40)	CH151	-10.44	30.00	Pass
11ac (VHT40)	CH159	-10.98	30.00	Pass
11ax (HE20)	CH149	-7.93	30.00	Pass
11ax (HE20)	CH157	-9.21	30.00	Pass
11ax (HE20)	CH165	-10.83	30.00	Pass
11ax (HE40)	CH151	-10.69	30.00	Pass
11ax (HE40)	CH159	-13.38	30.00	Pass

E.I.R.P

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	0.54	10.00	Pass
11a	CH44	1.57	10.00	Pass
11a	CH48	0.74	10.00	Pass
11n (HT20)	CH36	3.99	10.00	Pass
11n (HT20)	CH44	3.41	10.00	Pass
11n (HT20)	CH48	3.30	10.00	Pass
11n (HT40)	CH38	-1.70	10.00	Pass
11n (HT40)	CH46	0.33	10.00	Pass
11ac (VHT20)	CH36	3.18	10.00	Pass
11ac (VHT20)	CH44	3.58	10.00	Pass
11ac (VHT20)	CH48	3.53	10.00	Pass
11ac (VHT40)	CH38	-0.94	10.00	Pass
11ac (VHT40)	CH46	1.55	10.00	Pass
11ax (HE20)	CH36	2.81	10.00	Pass
11ax (HE20)	CH44	2.19	10.00	Pass
11ax (HE20)	CH48	2.41	10.00	Pass
11ax (HE40)	CH38	-1.60	10.00	Pass
11ax (HE40)	CH46	-0.14	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	-2.33	Pass
11a	CH60	-3.64	Pass
11a	CH64	-1.06	Pass
11n (HT20)	CH52	0.93	Pass
11n (HT20)	CH60	1.30	Pass
11n (HT20)	CH64	2.48	Pass
11n (HT40)	CH54	-1.74	Pass
11n (HT40)	CH62	-1.29	Pass
11ac (VHT20)	CH52	1.88	Pass
11ac (VHT20)	CH60	1.30	Pass
11ac (VHT20)	CH64	2.22	Pass
11ac (VHT40)	CH54	-1.60	Pass
11ac (VHT40)	CH62	-1.70	Pass
11ax (HE20)	CH52	0.13	Pass
11ax (HE20)	CH60	0.25	Pass
11ax (HE20)	CH64	0.05	Pass
11ax (HE40)	CH54	-2.08	Pass
11ax (HE40)	CH62	-2.09	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	-2.63	Pass
11a	CH116	-0.02	Pass
11a	CH140	-1.57	Pass
11n (HT20)	CH100	3.15	Pass
11n (HT20)	CH116	3.88	Pass
11n (HT20)	CH140	1.43	Pass
11n (HT40)	CH102	-1.16	Pass
11n (HT40)	CH118	0.40	Pass
11n (HT40)	CH134	0.11	Pass
11ac (VHT20)	CH100	3.03	Pass
11ac (VHT20)	CH116	3.61	Pass
11ac (VHT20)	CH140	0.09	Pass
11ac (VHT40)	CH102	-0.87	Pass
11ac (VHT40)	CH118	0.41	Pass
11ac (VHT40)	CH134	-0.38	Pass
11ax (HE20)	CH100	1.92	Pass
11ax (HE20)	CH116	2.19	Pass
11ax (HE20)	CH140	-0.15	Pass
11ax (HE40)	CH102	-1.98	Pass
11ax (HE40)	CH118	-1.29	Pass
11ax (HE40)	CH134	-2.62	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH149	-2.08	Pass
11a	CH157	-8.14	Pass
11a	CH165	-8.03	Pass
11n (HT20)	CH149	-2.93	Pass
11n (HT20)	CH157	-4.74	Pass
11n (HT20)	CH165	-6.00	Pass
11n (HT40)	CH151	-6.37	Pass
11n (HT40)	CH159	-8.40	Pass
11ac (VHT20)	CH149	-3.89	Pass
11ac (VHT20)	CH157	-4.76	Pass
11ac (VHT20)	CH165	-4.67	Pass
11ac (VHT40)	CH151	-6.18	Pass
11ac (VHT40)	CH159	-6.72	Pass
11ax (HE20)	CH149	-3.67	Pass
11ax (HE20)	CH157	-4.95	Pass
11ax (HE20)	CH165	-6.57	Pass
11ax (HE40)	CH151	-6.43	Pass
11ax (HE40)	CH159	-9.12	Pass

A.5 Conducted Emissions

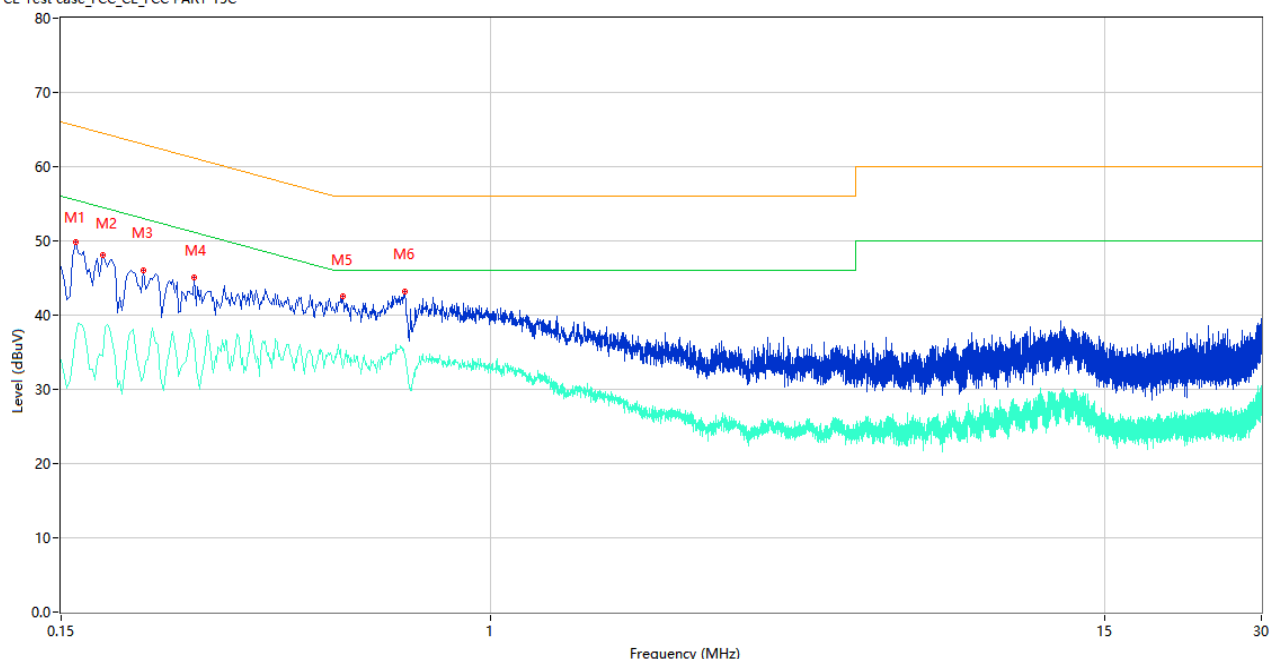
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

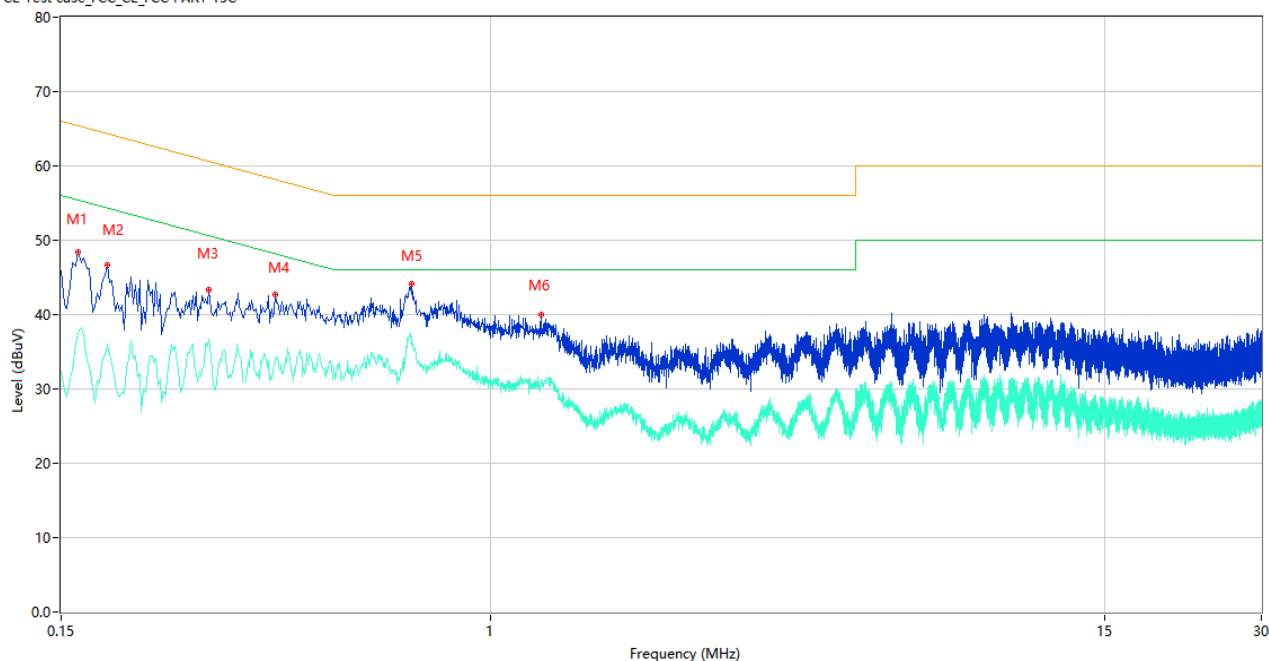
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	49.82	9.78	65.46	15.64	Peak	L	Pass
1**	0.160	37.27	9.78	55.46	18.19	AV	L	Pass
2	0.180	48.15	9.78	64.49	16.34	Peak	L	Pass
2**	0.180	34.48	9.78	54.49	20.01	AV	L	Pass
3	0.216	46.07	9.77	62.97	16.90	Peak	L	Pass
3**	0.216	31.64	9.77	52.97	21.33	AV	L	Pass
4	0.270	45.08	9.76	61.12	16.04	Peak	L	Pass
4**	0.270	36.74	9.76	51.12	14.38	AV	L	Pass
5	0.520	42.47	10.00	56.00	13.53	Peak	L	Pass
5**	0.520	32.88	10.00	46.00	13.12	AV	L	Pass
6	0.684	43.24	10.52	56.00	12.76	Peak	L	Pass
6**	0.684	34.44	10.52	46.00	11.56	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	0.162	48.35	9.78	65.36	17.01	Peak	N	Pass
1**	0.162	37.57	9.78	55.36	17.79	AV	N	Pass
2	0.184	46.61	9.78	64.30	17.69	Peak	N	Pass
2**	0.184	36.05	9.78	54.30	18.25	AV	N	Pass
3	0.288	43.31	9.76	60.58	17.27	Peak	N	Pass
3**	0.288	36.63	9.76	50.58	13.95	AV	N	Pass
4	0.386	42.75	10.61	58.15	15.40	Peak	N	Pass
4**	0.386	33.96	10.61	48.15	14.19	AV	N	Pass
5	0.704	44.20	10.61	56.00	11.80	Peak	N	Pass
5**	0.704	37.00	10.61	46.00	9.00	AV	N	Pass
6	1.246	40.02	10.42	56.00	15.98	Peak	N	Pass
6**	1.246	30.65	10.42	46.00	15.35	AV	N	Pass

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

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

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

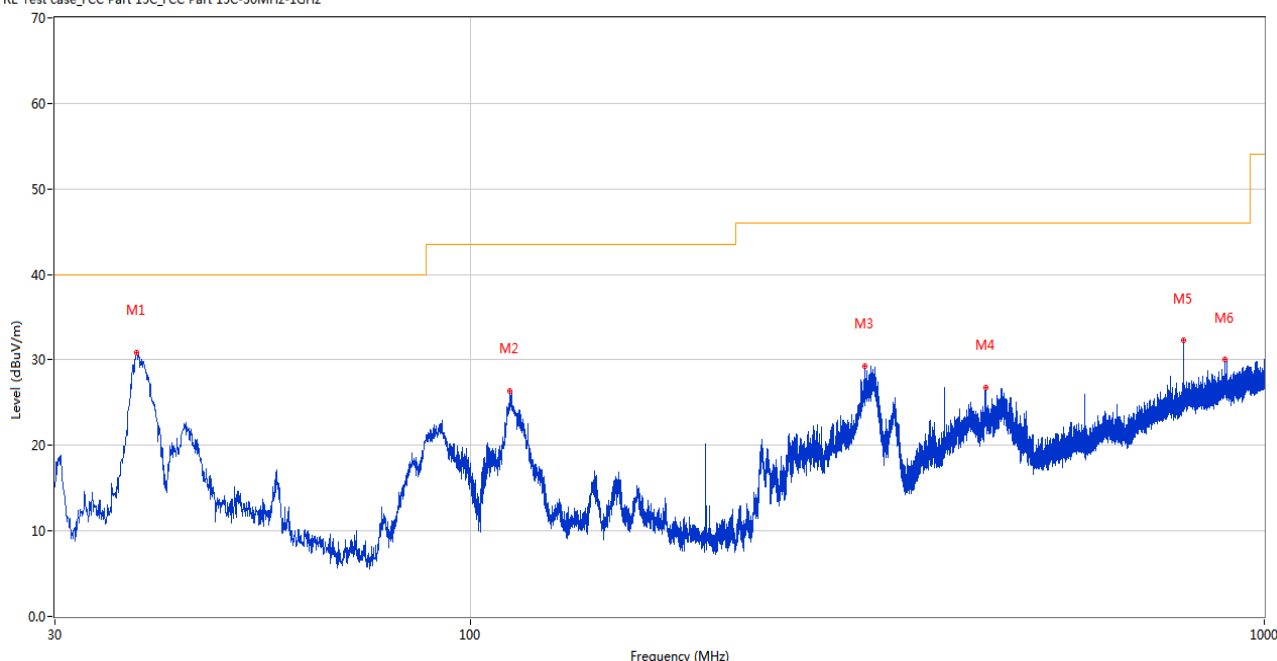
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

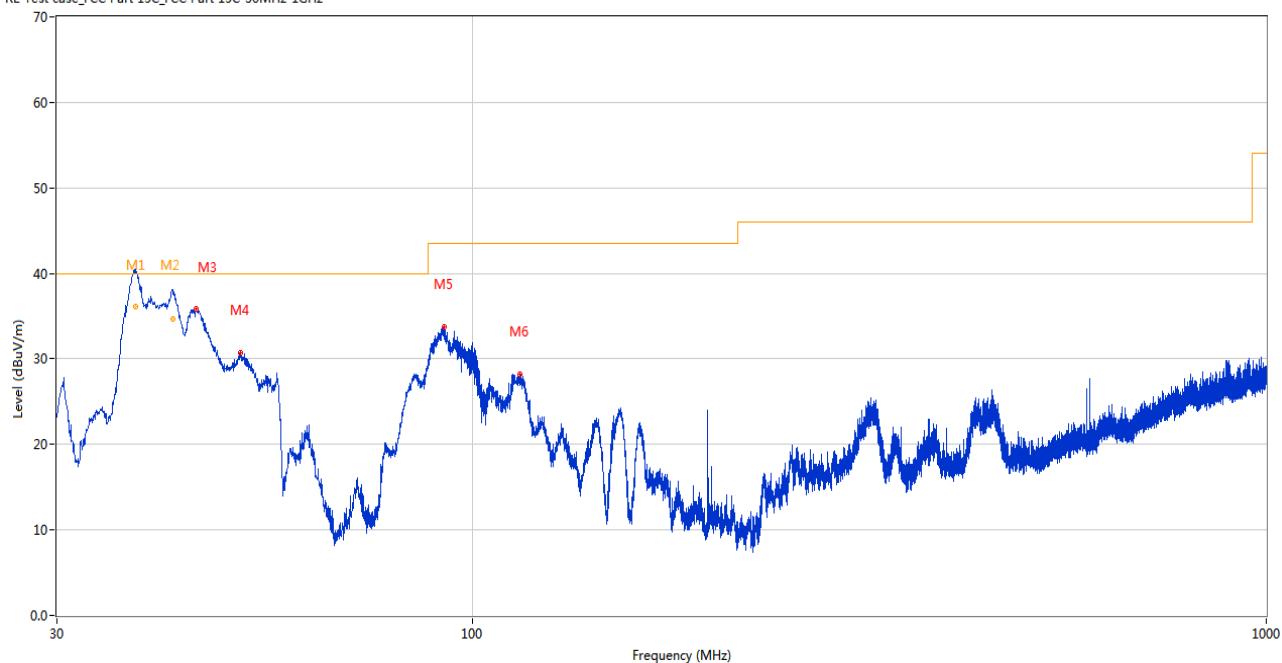
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.002	30.84	-26.78	40.0	9.16	Peak	218.00	200	Horizontal	Pass
2	112.256	26.33	-28.59	43.5	17.17	Peak	242.00	200	Horizontal	Pass
3	313.725	29.30	-24.02	46.0	16.70	Peak	236.00	100	Horizontal	Pass
4	446.178	26.77	-20.15	46.0	19.23	Peak	231.00	100	Horizontal	Pass
5	791.984	32.23	-12.01	46.0	13.77	Peak	137.00	100	Horizontal	Pass
6	892.912	29.99	-10.49	46.0	16.01	Peak	360.00	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	37.638	40.83	-26.93	40.0	-0.83	Peak	139.00	101	Vertical	N/A
1*	37.638	36.09	-26.93	40.0	3.91	QP	139.00	101	Vertical	Pass
2	41.958	37.74	-26.79	40.0	2.26	Peak	137.00	100	Vertical	N/A
2*	41.958	34.65	-26.79	40.0	5.35	QP	137.00	100	Vertical	Pass
3	44.938	35.79	-26.51	40.0	4.21	Peak	88.00	100	Vertical	Pass
4	51.146	30.68	-26.24	40.0	9.32	Peak	354.00	100	Vertical	Pass
5	92.129	33.76	-30.07	43.5	9.74	Peak	358.00	100	Vertical	Pass
6	114.778	28.27	-28.67	43.5	15.23	Peak	88.00	100	Vertical	Pass

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

Note 2: All mode has been pre tested, only show worst data on this report.

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	1555.200	38.67	-17.15	74.0	35.33	Peak	19.00	200	Horizontal	Pass
1**	1555.200	29.40	-17.15	54.0	24.60	AV	19.00	200	Horizontal	Pass
2	4384.800	49.85	-3.50	74.0	24.15	Peak	308.00	200	Horizontal	Pass
2**	4384.800	41.09	-3.50	54.0	12.91	AV	308.00	200	Horizontal	Pass
3	5176.400	111.63	-2.50	--	--	Peak	125.00	100	Horizontal	N/A
3**	5176.400	104.22	-2.50	--	--	AV	125.00	100	Horizontal	N/A
4	7342.700	49.43	-3.27	74.0	24.57	Peak	258.00	300	Horizontal	Pass
4**	7342.700	41.75	-3.27	54.0	12.25	AV	258.00	300	Horizontal	Pass
5	12283.388	53.46	1.78	74.0	20.54	Peak	136.00	150	Horizontal	Pass
5**	12283.388	43.80	1.78	54.0	10.20	AV	136.00	150	Horizontal	Pass
6	16091.099	55.96	1.41	74.0	18.04	Peak	157.00	400	Horizontal	Pass
6**	16091.099	46.23	1.41	54.0	7.77	AV	157.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.500	39.63	-16.77	74.0	34.37	Peak	360.00	400	Vertical	Pass
1**	1490.500	30.95	-16.77	54.0	23.05	AV	360.00	400	Vertical	Pass
2	4389.000	49.84	-3.37	74.0	24.16	Peak	136.00	100	Vertical	Pass
2**	4389.000	41.92	-3.37	54.0	12.08	AV	136.00	100	Vertical	Pass
3	5183.000	101.31	-2.54	--	--	Peak	29.00	100	Vertical	N/A
3**	5183.000	93.45	-2.54	--	--	AV	29.00	100	Vertical	N/A
4	7403.362	49.79	-3.68	74.0	24.21	Peak	68.00	300	Vertical	Pass
4**	7403.362	39.67	-3.68	54.0	14.33	AV	68.00	300	Vertical	Pass
5	12536.100	53.77	1.27	74.0	20.23	Peak	171.00	200	Vertical	Pass
5**	12536.100	44.76	1.27	54.0	9.24	AV	171.00	200	Vertical	Pass
6	15795.787	55.07	2.19	74.0	18.93	Peak	46.00	300	Vertical	Pass
6**	15795.787	46.53	2.19	54.0	7.47	AV	46.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1470.100	38.93	-17.36	74.0	35.07	Peak	313.00	400	Horizontal	Pass
1**	1470.100	29.39	-17.36	54.0	24.61	AV	313.00	400	Horizontal	Pass
2	4387.000	51.59	-3.33	74.0	22.41	Peak	360.00	100	Horizontal	Pass
2**	4387.000	41.54	-3.33	54.0	12.46	AV	360.00	100	Horizontal	Pass
3	5221.800	113.02	-2.69	--	--	Peak	138.00	100	Horizontal	N/A
3**	5221.800	105.47	-2.69	--	--	AV	138.00	100	Horizontal	N/A
4	7672.175	49.49	-2.42	74.0	24.51	Peak	138.00	100	Horizontal	Pass
4**	7672.175	40.63	-2.42	54.0	13.37	AV	138.00	100	Horizontal	Pass
5	12600.500	52.83	1.90	74.0	21.17	Peak	63.00	200	Horizontal	Pass
5**	12600.500	43.07	1.90	54.0	10.93	AV	63.00	200	Horizontal	Pass
6	15798.150	56.29	2.27	74.0	17.71	Peak	234.00	400	Horizontal	Pass
6**	15798.150	46.27	2.27	54.0	7.73	AV	234.00	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	1499.800	40.09	-16.97	74.0	33.91	Peak	74.00	200	Vertical	Pass
1**	1499.800	29.23	-16.97	54.0	24.77	AV	74.00	200	Vertical	Pass
2	4391.400	49.68	-3.43	74.0	24.32	Peak	187.00	200	Vertical	Pass
2**	4391.400	41.46	-3.43	54.0	12.54	AV	187.00	200	Vertical	Pass
3	5218.200	102.30	-2.80	--	--	Peak	264.00	150	Vertical	N/A
3**	5218.200	93.52	-2.80	--	--	AV	264.00	150	Vertical	N/A
4	7326.312	49.26	-3.42	74.0	24.74	Peak	66.00	400	Vertical	Pass
4**	7326.312	39.82	-3.42	54.0	14.18	AV	66.00	400	Vertical	Pass
5	11935.799	53.09	1.69	74.0	20.91	Peak	328.00	100	Vertical	Pass
5**	11935.799	43.28	1.69	54.0	10.72	AV	328.00	100	Vertical	Pass
6	15494.438	55.39	1.04	74.0	18.61	Peak	132.00	300	Vertical	Pass
6**	15494.438	45.87	1.04	54.0	8.13	AV	132.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.000	39.59	-16.92	74.0	34.41	Peak	360.00	300	Horizontal	Pass
1**	1504.000	30.23	-16.92	54.0	23.77	AV	360.00	300	Horizontal	Pass
2	4192.200	57.63	-4.67	74.0	16.37	Peak	172.00	200	Horizontal	Pass
2**	4192.200	42.87	-4.67	54.0	11.13	AV	172.00	200	Horizontal	Pass
3	5244.000	112.56	-2.38	--	--	Peak	123.00	150	Horizontal	N/A
3**	5244.000	104.33	-2.38	--	--	AV	123.00	150	Horizontal	N/A
4	7635.950	50.01	-3.04	74.0	23.99	Peak	360.00	100	Horizontal	Pass
4**	7635.950	40.16	-3.04	54.0	13.84	AV	360.00	100	Horizontal	Pass
5	11907.338	54.35	1.57	74.0	19.65	Peak	0.00	200	Horizontal	Pass
5**	11907.338	42.88	1.57	54.0	11.12	AV	0.00	200	Horizontal	Pass
6	15847.763	56.32	1.35	74.0	17.68	Peak	134.00	400	Horizontal	Pass
6**	15847.763	46.35	1.35	54.0	7.65	AV	134.00	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	1597.700	39.36	-17.22	74.0	34.64	Peak	0.00	100	Vertical	Pass
1**	1597.700	30.18	-17.22	54.0	23.82	AV	0.00	100	Vertical	Pass
2	4385.800	50.15	-3.33	74.0	23.85	Peak	59.00	100	Vertical	Pass
2**	4385.800	40.93	-3.33	54.0	13.07	AV	59.00	100	Vertical	Pass
3	5247.000	100.45	-2.40	--	--	Peak	45.00	150	Vertical	N/A
3**	5247.000	92.06	-2.40	--	--	AV	45.00	150	Vertical	N/A
4	7386.975	49.43	-3.99	74.0	24.57	Peak	59.00	200	Vertical	Pass
4**	7386.975	39.45	-3.99	54.0	14.55	AV	59.00	200	Vertical	Pass
5	12390.912	54.00	1.57	74.0	20.00	Peak	297.00	100	Vertical	Pass
5**	12390.912	43.02	1.57	54.0	10.98	AV	297.00	100	Vertical	Pass
6	16072.988	55.51	1.46	74.0	18.49	Peak	0.00	150	Vertical	Pass
6**	16072.988	46.30	1.46	54.0	7.70	AV	0.00	150	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	1485.300	39.35	-16.69	74.0	34.65	Peak	127.00	200	Horizontal	Pass
1**	1485.300	30.21	-16.69	54.0	23.79	AV	127.00	200	Horizontal	Pass
2	4391.800	50.01	-3.48	74.0	23.99	Peak	76.00	400	Horizontal	Pass
2**	4391.800	40.91	-3.48	54.0	13.09	AV	76.00	400	Horizontal	Pass
3	5186.800	109.30	-2.39	--	--	Peak	129.00	150	Horizontal	N/A
3**	5186.800	101.94	-2.39	--	--	AV	129.00	150	Horizontal	N/A
4	7306.187	49.37	-3.13	74.0	24.63	Peak	240.00	400	Horizontal	Pass
4**	7306.187	40.18	-3.13	54.0	13.82	AV	240.00	400	Horizontal	Pass
5	12230.487	53.42	1.29	74.0	20.58	Peak	70.00	150	Horizontal	Pass
5**	12230.487	43.79	1.29	54.0	10.21	AV	70.00	150	Horizontal	Pass
6	15678.451	56.39	1.57	74.0	17.61	Peak	177.00	150	Horizontal	Pass
6**	15678.451	46.39	1.57	54.0	7.61	AV	177.00	150	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	1499.800	40.26	-16.97	74.0	33.74	Peak	111.00	400	Vertical	Pass
1**	1499.800	31.76	-16.97	54.0	22.24	AV	111.00	400	Vertical	Pass
2	4379.200	50.33	-3.34	74.0	23.67	Peak	318.00	400	Vertical	Pass
2**	4379.200	42.05	-3.34	54.0	11.95	AV	318.00	400	Vertical	Pass
3	5188.400	96.72	-2.33	--	--	Peak	31.00	200	Vertical	N/A
3**	5188.400	89.78	-2.33	--	--	AV	31.00	200	Vertical	N/A
4	7338.387	50.34	-2.90	74.0	23.66	Peak	312.00	100	Vertical	Pass
4**	7338.387	41.49	-2.90	54.0	12.51	AV	312.00	100	Vertical	Pass
5	12210.076	52.78	1.03	74.0	21.22	Peak	194.00	200	Vertical	Pass
5**	12210.076	43.03	1.03	54.0	10.97	AV	194.00	200	Vertical	Pass
6	15659.025	56.80	1.26	74.0	17.20	Peak	335.00	150	Vertical	Pass
6**	15659.025	45.94	1.26	54.0	8.06	AV	335.00	150	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	1518.400	39.31	-17.20	74.0	34.69	Peak	210.00	100	Horizontal	Pass
1**	1518.400	29.94	-17.20	54.0	24.06	AV	210.00	100	Horizontal	Pass
2	4378.200	49.89	-3.44	74.0	24.11	Peak	91.00	400	Horizontal	Pass
2**	4378.200	40.82	-3.44	54.0	13.18	AV	91.00	400	Horizontal	Pass
3	5232.800	109.26	-2.69	--	--	Peak	144.00	100	Horizontal	N/A
3**	5232.800	101.34	-2.69	--	--	AV	144.00	100	Horizontal	N/A
4	7319.700	49.47	-3.04	74.0	24.53	Peak	232.00	300	Horizontal	Pass
4**	7319.700	39.92	-3.04	54.0	14.08	AV	232.00	300	Horizontal	Pass
5	12601.075	52.94	1.90	74.0	21.06	Peak	248.00	150	Horizontal	Pass
5**	12601.075	43.87	1.90	54.0	10.13	AV	248.00	150	Horizontal	Pass
6	15609.413	55.12	1.24	74.0	18.88	Peak	283.00	150	Horizontal	Pass
6**	15609.413	46.06	1.24	54.0	7.94	AV	283.00	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	1518.900	39.20	-17.23	74.0	34.80	Peak	82.00	100	Vertical	Pass
1**	1518.900	30.04	-17.23	54.0	23.96	AV	82.00	100	Vertical	Pass
2	4374.200	50.02	-3.96	74.0	23.98	Peak	62.00	400	Vertical	Pass
2**	4374.200	40.85	-3.96	54.0	13.15	AV	62.00	400	Vertical	Pass
3	5225.200	97.83	-2.56	--	--	Peak	263.00	200	Vertical	N/A
3**	5225.200	90.74	-2.56	--	--	AV	263.00	200	Vertical	N/A
4	7347.588	50.17	-3.70	74.0	23.83	Peak	15.00	100	Vertical	Pass
4**	7347.588	40.30	-3.70	54.0	13.70	AV	15.00	100	Vertical	Pass
5	11921.713	53.40	1.50	74.0	20.60	Peak	246.00	150	Vertical	Pass
5**	11921.713	43.98	1.50	54.0	10.02	AV	246.00	150	Vertical	Pass
6	15855.901	55.52	1.15	74.0	18.48	Peak	275.00	150	Vertical	Pass
6**	15855.901	46.93	1.15	54.0	7.07	AV	275.00	150	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	1584.500	38.90	-16.95	74.0	35.10	Peak	206.00	100	Horizontal	Pass
1**	1584.500	30.17	-16.95	54.0	23.83	AV	206.00	100	Horizontal	Pass
2	4389.200	50.37	-3.36	74.0	23.63	Peak	237.00	100	Horizontal	Pass
2**	4389.200	40.87	-3.36	54.0	13.13	AV	237.00	100	Horizontal	Pass
3	5185.200	108.86	-2.43	--	--	Peak	130.00	100	Horizontal	N/A
3**	5185.200	100.33	-2.43	--	--	AV	130.00	100	Horizontal	N/A
4	7621.287	49.54	-2.81	74.0	24.46	Peak	106.00	400	Horizontal	Pass
4**	7621.287	39.44	-2.81	54.0	14.56	AV	106.00	400	Horizontal	Pass
5	12236.237	52.94	1.14	74.0	21.06	Peak	328.00	150	Horizontal	Pass
5**	12236.237	43.47	1.14	54.0	10.53	AV	328.00	150	Horizontal	Pass
6	16127.849	56.16	0.93	74.0	17.84	Peak	216.00	200	Horizontal	Pass
6**	16127.849	46.20	0.93	54.0	7.80	AV	216.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.700	39.98	-17.35	74.0	34.02	Peak	124.00	100	Vertical	Pass
1**	1469.700	29.52	-17.35	54.0	24.48	AV	124.00	100	Vertical	Pass
2	4386.200	49.81	-3.27	74.0	24.19	Peak	360.00	200	Vertical	Pass
2**	4386.200	40.73	-3.27	54.0	13.27	AV	360.00	200	Vertical	Pass
3	5186.800	97.50	-2.39	--	--	Peak	24.00	150	Vertical	N/A
3**	5186.800	89.58	-2.39	--	--	AV	24.00	150	Vertical	N/A
4	7394.163	49.80	-3.85	74.0	24.20	Peak	20.00	100	Vertical	Pass
4**	7394.163	40.38	-3.85	54.0	13.62	AV	20.00	100	Vertical	Pass
5	11632.487	53.39	-0.21	74.0	20.61	Peak	204.00	100	Vertical	Pass
5**	11632.487	42.73	-0.21	54.0	11.27	AV	204.00	100	Vertical	Pass
6	16156.463	56.16	0.93	74.0	17.84	Peak	119.00	200	Vertical	Pass
6**	16156.463	45.71	0.93	54.0	8.29	AV	119.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1625.900	38.97	-17.16	74.0	35.03	Peak	280.00	300	Horizontal	Pass
1**	1625.900	29.71	-17.16	54.0	24.29	AV	280.00	300	Horizontal	Pass
2	4184.000	51.49	-4.55	74.0	22.51	Peak	19.00	400	Horizontal	Pass
2**	4184.000	42.11	-4.55	54.0	11.89	AV	19.00	400	Horizontal	Pass
3	5228.400	109.11	-2.71	--	--	Peak	138.00	100	Horizontal	N/A
3**	5228.400	102.30	-2.71	--	--	AV	138.00	100	Horizontal	N/A
4	7340.975	49.30	-3.07	74.0	24.70	Peak	19.00	400	Horizontal	Pass
4**	7340.975	40.88	-3.07	54.0	13.12	AV	19.00	400	Horizontal	Pass
5	12499.299	52.99	1.65	74.0	21.01	Peak	264.00	200	Horizontal	Pass
5**	12499.299	43.76	1.65	54.0	10.24	AV	264.00	200	Horizontal	Pass
6	15636.712	55.85	1.48	74.0	18.15	Peak	94.00	150	Horizontal	Pass
6**	15636.712	46.33	1.48	54.0	7.67	AV	94.00	150	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	1584.600	40.02	-16.93	74.0	33.98	Peak	360.00	300	Vertical	Pass
1**	1584.600	31.66	-16.93	54.0	22.34	AV	360.00	300	Vertical	Pass
2	4377.600	49.71	-3.51	74.0	24.29	Peak	175.00	300	Vertical	Pass
2**	4377.600	42.26	-3.51	54.0	11.74	AV	175.00	300	Vertical	Pass
3	5225.400	97.92	-2.55	--	--	Peak	50.00	100	Vertical	N/A
3**	5225.400	91.50	-2.55	--	--	AV	50.00	100	Vertical	N/A
4	7349.313	49.64	-3.70	74.0	24.36	Peak	313.00	300	Vertical	Pass
4**	7349.313	41.09	-3.70	54.0	12.91	AV	313.00	300	Vertical	Pass
5	12613.437	53.27	1.88	74.0	20.73	Peak	196.00	100	Vertical	Pass
5**	12613.437	43.39	1.88	54.0	10.61	AV	196.00	100	Vertical	Pass
6	16077.975	55.64	1.60	74.0	18.36	Peak	136.00	400	Vertical	Pass
6**	16077.975	47.06	1.60	54.0	6.94	AV	136.00	400	Vertical	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.400	39.73	-17.20	74.0	34.27	Peak	215.00	100	Horizontal	Pass
1**	1518.400	30.12	-17.20	54.0	23.88	AV	215.00	100	Horizontal	Pass
2	4390.800	51.09	-3.35	74.0	22.91	Peak	171.00	200	Horizontal	Pass
2**	4390.800	41.08	-3.35	54.0	12.92	AV	171.00	200	Horizontal	Pass
3	5181.000	115.21	-2.67	--	--	Peak	126.00	100	Horizontal	N/A
3**	5181.000	104.31	-2.67	--	--	AV	126.00	100	Horizontal	N/A
4	7626.175	49.62	-2.73	74.0	24.38	Peak	182.00	200	Horizontal	Pass
4**	7626.175	40.25	-2.73	54.0	13.75	AV	182.00	200	Horizontal	Pass
5	12357.562	53.37	1.17	74.0	20.63	Peak	147.00	100	Horizontal	Pass
5**	12357.562	42.81	1.17	54.0	11.19	AV	147.00	100	Horizontal	Pass
6	15636.712	55.26	1.48	74.0	18.74	Peak	17.00	400	Horizontal	Pass
6**	15636.712	45.88	1.48	54.0	8.12	AV	17.00	400	Horizontal	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.500	39.05	-17.36	74.0	34.95	Peak	5.00	100	Vertical	Pass
1**	1602.500	29.58	-17.36	54.0	24.42	AV	5.00	100	Vertical	Pass
2	4226.200	49.88	-4.03	74.0	24.12	Peak	360.00	300	Vertical	Pass
2**	4226.200	40.05	-4.03	54.0	13.95	AV	360.00	300	Vertical	Pass
3	5215.800	102.53	-2.59	--	--	Peak	30.00	200	Vertical	N/A
3**	5215.800	92.61	-2.59	--	--	AV	30.00	200	Vertical	N/A
4	7321.713	49.36	-3.21	74.0	24.64	Peak	273.00	300	Vertical	Pass
4**	7321.713	40.61	-3.21	54.0	13.39	AV	273.00	300	Vertical	Pass
5	12237.674	53.86	1.11	74.0	20.14	Peak	0.00	200	Vertical	Pass
5**	12237.674	44.18	1.11	54.0	9.82	AV	0.00	200	Vertical	Pass
6	15585.526	56.20	1.26	74.0	17.80	Peak	220.00	300	Vertical	Pass
6**	15585.526	45.87	1.26	54.0	8.13	AV	220.00	300	Vertical	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.400	38.79	-17.18	74.0	35.21	Peak	298.00	200	Horizontal	Pass
1**	1479.400	29.23	-17.18	54.0	24.77	AV	298.00	200	Horizontal	Pass
2	4384.600	50.01	-3.54	74.0	23.99	Peak	319.00	300	Horizontal	Pass
2**	4384.600	41.26	-3.54	54.0	12.74	AV	319.00	300	Horizontal	Pass
3	5221.800	112.98	-2.69	--	--	Peak	138.00	100	Horizontal	N/A
3**	5221.800	105.24	-2.69	--	--	AV	138.00	100	Horizontal	N/A
4	7450.225	49.47	-3.20	74.0	24.53	Peak	40.00	100	Horizontal	Pass
4**	7450.225	40.30	-3.20	54.0	13.70	AV	40.00	100	Horizontal	Pass
5	11225.099	52.81	-0.22	74.0	21.19	Peak	91.00	100	Horizontal	Pass
5**	11225.099	43.21	-0.22	54.0	10.79	AV	91.00	100	Horizontal	Pass
6	15843.826	55.56	1.39	74.0	18.44	Peak	137.00	300	Horizontal	Pass
6**	15843.826	46.72	1.39	54.0	7.28	AV	137.00	300	Horizontal	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.200	40.20	-17.02	74.0	33.80	Peak	72.00	400	Vertical	Pass
1**	1497.200	29.81	-17.02	54.0	24.19	AV	72.00	400	Vertical	Pass
2	4366.400	50.27	-3.85	74.0	23.73	Peak	201.00	400	Vertical	Pass
2**	4366.400	40.84	-3.85	54.0	13.16	AV	201.00	400	Vertical	Pass
3	5176.400	102.27	-2.50	--	--	Peak	54.00	200	Vertical	N/A
3**	5176.400	92.50	-2.50	--	--	AV	54.00	200	Vertical	N/A
4	7338.100	49.87	-2.89	74.0	24.13	Peak	86.00	100	Vertical	Pass
4**	7338.100	40.74	-2.89	54.0	13.26	AV	86.00	100	Vertical	Pass
5	12613.437	53.05	1.88	74.0	20.95	Peak	86.00	150	Vertical	Pass
5**	12613.437	43.23	1.88	54.0	10.77	AV	86.00	150	Vertical	Pass
6	16078.763	56.16	1.62	74.0	17.84	Peak	99.00	400	Vertical	Pass
6**	16078.763	46.69	1.62	54.0	7.31	AV	99.00	400	Vertical	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.400	39.35	-17.13	74.0	34.65	Peak	96.00	100	Horizontal	Pass
1**	1583.400	29.37	-17.13	54.0	24.63	AV	96.00	100	Horizontal	Pass
2	4191.000	53.22	-4.49	74.0	20.78	Peak	139.00	200	Horizontal	Pass
2**	4191.000	40.12	-4.49	54.0	13.88	AV	139.00	200	Horizontal	Pass
3	5246.000	113.93	-2.44	--	--	Peak	139.00	150	Horizontal	N/A
3**	5246.000	105.34	-2.44	--	--	AV	139.00	150	Horizontal	N/A
4	7339.825	49.81	-2.95	74.0	24.19	Peak	360.00	100	Horizontal	Pass
4**	7339.825	41.49	-2.95	54.0	12.51	AV	360.00	100	Horizontal	Pass
5	12281.662	54.56	1.79	74.0	19.44	Peak	360.00	150	Horizontal	Pass
5**	12281.662	43.88	1.79	54.0	10.12	AV	360.00	150	Horizontal	Pass
6	15678.713	55.89	1.57	74.0	18.11	Peak	41.00	100	Horizontal	Pass
6**	15678.713	46.43	1.57	54.0	7.57	AV	41.00	100	Horizontal	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.200	39.69	-17.00	74.0	34.31	Peak	0.00	400	Vertical	Pass
1**	1584.200	32.86	-17.00	54.0	21.14	AV	0.00	400	Vertical	Pass
2	4381.200	50.29	-3.52	74.0	23.71	Peak	134.00	400	Vertical	Pass
2**	4381.200	41.64	-3.52	54.0	12.36	AV	134.00	400	Vertical	Pass
3	5235.200	101.62	-2.64	--	--	Peak	64.00	200	Vertical	N/A
3**	5235.200	93.38	-2.64	--	--	AV	64.00	200	Vertical	N/A
4	7322.862	49.27	-3.34	74.0	24.73	Peak	86.00	300	Vertical	Pass
4**	7322.862	40.13	-3.34	54.0	13.87	AV	86.00	300	Vertical	Pass
5	12324.500	52.95	1.42	74.0	21.05	Peak	306.00	100	Vertical	Pass
5**	12324.500	43.41	1.42	54.0	10.59	AV	306.00	100	Vertical	Pass
6	15796.575	55.47	2.22	74.0	18.53	Peak	104.00	400	Vertical	Pass
6**	15796.575	46.40	2.22	54.0	7.60	AV	104.00	400	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	1514.300	39.02	-17.22	74.0	34.98	Peak	213.00	400	Horizontal	Pass
1**	1514.300	29.64	-17.22	54.0	24.36	AV	213.00	400	Horizontal	Pass
2	4207.800	52.03	-4.58	74.0	21.97	Peak	12.00	400	Horizontal	Pass
2**	4207.800	41.41	-4.58	54.0	12.59	AV	12.00	400	Horizontal	Pass
3	5256.600	112.61	-1.95	--	--	Peak	115.00	150	Horizontal	N/A
3**	5256.600	104.47	-1.95	--	--	AV	115.00	150	Horizontal	N/A
4	7338.387	49.74	-2.90	74.0	24.26	Peak	269.00	400	Horizontal	Pass
4**	7338.387	40.98	-2.90	54.0	13.02	AV	269.00	400	Horizontal	Pass
5	12611.138	53.18	1.89	74.0	20.82	Peak	248.00	150	Horizontal	Pass
5**	12611.138	43.60	1.89	54.0	10.40	AV	248.00	150	Horizontal	Pass
6	16108.162	55.78	0.84	74.0	18.22	Peak	174.00	400	Horizontal	Pass
6**	16108.162	46.59	0.84	54.0	7.41	AV	174.00	400	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	1504.700	40.01	-16.85	74.0	33.99	Peak	55.00	200	Vertical	Pass
1**	1504.700	29.95	-16.85	54.0	24.05	AV	55.00	200	Vertical	Pass
2	4388.600	50.96	-3.39	74.0	23.04	Peak	343.00	400	Vertical	Pass
2**	4388.600	42.30	-3.39	54.0	11.70	AV	343.00	400	Vertical	Pass
3	5258.200	101.20	-1.77	--	--	Peak	39.00	150	Vertical	N/A
3**	5258.200	93.67	-1.77	--	--	AV	39.00	150	Vertical	N/A
4	7687.700	50.02	-2.17	74.0	23.98	Peak	12.00	200	Vertical	Pass
4**	7687.700	40.53	-2.17	54.0	13.47	AV	12.00	200	Vertical	Pass
5	11954.487	52.75	1.19	74.0	21.25	Peak	342.00	150	Vertical	Pass
5**	11954.487	44.05	1.19	54.0	9.95	AV	342.00	150	Vertical	Pass
6	15842.250	55.61	1.41	74.0	18.39	Peak	280.00	300	Vertical	Pass
6**	15842.250	46.07	1.41	54.0	7.93	AV	280.00	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	1477.500	39.38	-17.20	74.0	34.62	Peak	0.00	200	Horizontal	Pass
1**	1477.500	29.76	-17.20	54.0	24.24	AV	0.00	200	Horizontal	Pass
2	4381.000	49.79	-3.49	74.0	24.21	Peak	309.00	300	Horizontal	Pass
2**	4381.000	41.89	-3.49	54.0	12.11	AV	309.00	300	Horizontal	Pass
3	5301.600	111.85	-2.77	--	--	Peak	109.00	100	Horizontal	N/A
3**	5301.600	104.45	-2.77	--	--	AV	109.00	100	Horizontal	N/A
4	7445.338	49.45	-3.16	74.0	24.55	Peak	160.00	200	Horizontal	Pass
4**	7445.338	40.34	-3.16	54.0	13.66	AV	160.00	200	Horizontal	Pass
5	12243.425	53.32	1.03	74.0	20.68	Peak	298.00	100	Horizontal	Pass
5**	12243.425	44.02	1.03	54.0	9.98	AV	298.00	100	Horizontal	Pass
6	15816.787	55.79	1.99	74.0	18.21	Peak	252.00	200	Horizontal	Pass
6**	15816.787	46.47	1.99	54.0	7.53	AV	252.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.800	39.10	-17.07	74.0	34.90	Peak	131.00	300	Vertical	Pass
1**	1583.800	31.78	-17.07	54.0	22.22	AV	131.00	300	Vertical	Pass
2	4380.800	50.64	-3.46	74.0	23.36	Peak	290.00	300	Vertical	Pass
2**	4380.800	41.91	-3.46	54.0	12.09	AV	290.00	300	Vertical	Pass
3	5305.600	101.24	-2.58	--	--	Peak	29.00	200	Vertical	N/A
3**	5305.600	92.88	-2.58	--	--	AV	29.00	200	Vertical	N/A
4	7366.275	49.67	-3.53	74.0	24.33	Peak	183.00	100	Vertical	Pass
4**	7366.275	41.05	-3.53	54.0	12.95	AV	183.00	100	Vertical	Pass
5	12287.988	54.29	1.71	74.0	19.71	Peak	134.00	100	Vertical	Pass
5**	12287.988	44.35	1.71	54.0	9.65	AV	134.00	100	Vertical	Pass
6	15667.162	55.78	1.38	74.0	18.22	Peak	86.00	100	Vertical	Pass
6**	15667.162	46.73	1.38	54.0	7.27	AV	86.00	100	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	1500.600	39.28	-16.86	74.0	34.72	Peak	259.00	100	Horizontal	Pass
1**	1500.600	30.23	-16.86	54.0	23.77	AV	259.00	100	Horizontal	Pass
2	4390.000	50.45	-3.32	74.0	23.55	Peak	27.00	200	Horizontal	Pass
2**	4390.000	41.52	-3.32	54.0	12.48	AV	27.00	200	Horizontal	Pass
3	5322.400	112.88	-2.00	--	--	Peak	127.00	200	Horizontal	N/A
3**	5322.400	105.04	-2.00	--	--	AV	127.00	200	Horizontal	N/A
4	7336.375	49.89	-3.12	74.0	24.11	Peak	320.00	300	Horizontal	Pass
4**	7336.375	41.05	-3.12	54.0	12.95	AV	320.00	300	Horizontal	Pass
5	12440.937	53.20	1.78	74.0	20.80	Peak	30.00	200	Horizontal	Pass
5**	12440.937	43.21	1.78	54.0	10.79	AV	30.00	200	Horizontal	Pass
6	16073.250	56.10	1.47	74.0	17.90	Peak	128.00	100	Horizontal	Pass
6**	16073.250	46.77	1.47	54.0	7.23	AV	128.00	100	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	1494.400	39.19	-16.87	74.0	34.81	Peak	117.00	300	Vertical	Pass
1**	1494.400	29.35	-16.87	54.0	24.65	AV	117.00	300	Vertical	Pass
2	4316.600	50.46	-4.09	74.0	23.54	Peak	78.00	100	Vertical	Pass
2**	4316.600	39.90	-4.09	54.0	14.10	AV	78.00	100	Vertical	Pass
3	5318.000	101.83	-2.47	--	--	Peak	32.00	200	Vertical	N/A
3**	5318.000	94.14	-2.47	--	--	AV	32.00	200	Vertical	N/A
4	7359.663	49.76	-3.78	74.0	24.24	Peak	304.00	100	Vertical	Pass
4**	7359.663	40.63	-3.78	54.0	13.37	AV	304.00	100	Vertical	Pass
5	12507.924	52.82	1.64	74.0	21.18	Peak	353.00	150	Vertical	Pass
5**	12507.924	42.84	1.64	54.0	11.16	AV	353.00	150	Vertical	Pass
6	15670.838	55.41	1.45	74.0	18.59	Peak	0.00	200	Vertical	Pass
6**	15670.838	46.13	1.45	54.0	7.87	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1537.300	38.91	-16.98	74.0	35.09	Peak	179.00	300	Horizontal	Pass
1**	1537.300	30.10	-16.98	54.0	23.90	AV	179.00	300	Horizontal	Pass
2	4336.400	49.99	-4.39	74.0	24.01	Peak	66.00	300	Horizontal	Pass
2**	4336.400	39.35	-4.39	54.0	14.65	AV	66.00	300	Horizontal	Pass
3	5261.600	112.43	-2.08	--	--	Peak	118.00	150	Horizontal	N/A
3**	5261.600	104.61	-2.08	--	--	AV	118.00	150	Horizontal	N/A
4	7338.962	50.09	-2.92	74.0	23.91	Peak	360.00	200	Horizontal	Pass
4**	7338.962	40.60	-2.92	54.0	13.40	AV	360.00	200	Horizontal	Pass
5	12435.474	52.95	1.71	74.0	21.05	Peak	220.00	200	Horizontal	Pass
5**	12435.474	44.05	1.71	54.0	9.95	AV	220.00	200	Horizontal	Pass
6	16112.362	55.87	0.73	74.0	18.13	Peak	179.00	100	Horizontal	Pass
6**	16112.362	45.98	0.73	54.0	8.02	AV	179.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.000	39.60	-17.03	74.0	34.40	Peak	0.00	200	Vertical	Pass
1**	1584.000	31.97	-17.03	54.0	22.03	AV	0.00	200	Vertical	Pass
2	4369.400	50.05	-3.93	74.0	23.95	Peak	249.00	300	Vertical	Pass
2**	4369.400	41.18	-3.93	54.0	12.82	AV	249.00	300	Vertical	Pass
3	5258.400	102.67	-1.77	--	--	Peak	35.00	150	Vertical	N/A
3**	5258.400	94.75	-1.77	--	--	AV	35.00	150	Vertical	N/A
4	7338.675	49.88	-2.91	74.0	24.12	Peak	124.00	300	Vertical	Pass
4**	7338.675	41.33	-2.91	54.0	12.67	AV	124.00	300	Vertical	Pass
5	12328.813	52.81	1.42	74.0	21.19	Peak	350.00	150	Vertical	Pass
5**	12328.813	44.16	1.42	54.0	9.84	AV	350.00	150	Vertical	Pass
6	15845.925	55.48	1.36	74.0	18.52	Peak	236.00	200	Vertical	Pass
6**	15845.925	47.02	1.36	54.0	6.98	AV	236.00	200	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	1510.800	38.78	-17.20	74.0	35.22	Peak	360.00	400	Horizontal	Pass
1**	1510.800	29.34	-17.20	54.0	24.66	AV	360.00	400	Horizontal	Pass
2	4370.800	50.84	-4.19	74.0	23.16	Peak	292.00	400	Horizontal	Pass
2**	4370.800	41.21	-4.19	54.0	12.79	AV	292.00	400	Horizontal	Pass
3	5298.200	111.58	-2.86	--	--	Peak	116.00	150	Horizontal	N/A
3**	5298.200	104.47	-2.86	--	--	AV	116.00	150	Horizontal	N/A
4	7449.362	49.93	-3.23	74.0	24.07	Peak	0.00	100	Horizontal	Pass
4**	7449.362	40.17	-3.23	54.0	13.83	AV	0.00	100	Horizontal	Pass
5	12068.625	53.07	0.82	74.0	20.93	Peak	207.00	150	Horizontal	Pass
5**	12068.625	43.44	0.82	54.0	10.56	AV	207.00	150	Horizontal	Pass
6	15849.338	55.48	1.34	74.0	18.52	Peak	103.00	200	Horizontal	Pass
6**	15849.338	46.35	1.34	54.0	7.65	AV	103.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.200	40.04	-17.16	74.0	33.96	Peak	55.00	100	Vertical	Pass
1**	1480.200	30.32	-17.16	54.0	23.68	AV	55.00	100	Vertical	Pass
2	4384.800	50.25	-3.50	74.0	23.75	Peak	279.00	100	Vertical	Pass
2**	4384.800	41.60	-3.50	54.0	12.40	AV	279.00	100	Vertical	Pass
3	5298.000	101.77	-2.84	--	--	Peak	259.00	200	Vertical	N/A
3**	5298.000	93.29	-2.84	--	--	AV	259.00	200	Vertical	N/A
4	7446.775	50.42	-3.17	74.0	23.58	Peak	350.00	400	Vertical	Pass
4**	7446.775	39.73	-3.17	54.0	14.27	AV	350.00	400	Vertical	Pass
5	11922.862	53.21	1.51	74.0	20.79	Peak	158.00	100	Vertical	Pass
5**	11922.862	43.61	1.51	54.0	10.39	AV	158.00	100	Vertical	Pass
6	15789.225	56.33	1.98	74.0	17.67	Peak	217.00	300	Vertical	Pass
6**	15789.225	46.17	1.98	54.0	7.83	AV	217.00	300	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	1443.500	39.66	-17.04	74.0	34.34	Peak	64.00	200	Horizontal	Pass
1**	1443.500	29.17	-17.04	54.0	24.83	AV	64.00	200	Horizontal	Pass
2	4257.000	52.81	-4.58	74.0	21.19	Peak	157.00	100	Horizontal	Pass
2**	4257.000	39.50	-4.58	54.0	14.50	AV	157.00	100	Horizontal	Pass
3	5322.600	112.45	-1.95	--	--	Peak	116.00	200	Horizontal	N/A
3**	5322.600	104.65	-1.95	--	--	AV	116.00	200	Horizontal	N/A
4	7631.638	49.38	-2.91	74.0	24.62	Peak	125.00	100	Horizontal	Pass
4**	7631.638	40.64	-2.91	54.0	13.36	AV	125.00	100	Horizontal	Pass
5	12292.875	53.14	1.61	74.0	20.86	Peak	125.00	100	Horizontal	Pass
5**	12292.875	42.79	1.61	54.0	11.21	AV	125.00	100	Horizontal	Pass
6	16032.300	55.23	0.73	74.0	18.77	Peak	345.00	300	Horizontal	Pass
6**	16032.300	46.33	0.73	54.0	7.67	AV	345.00	300	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	1583.700	39.30	-17.08	74.0	34.70	Peak	63.00	200	Vertical	Pass
1**	1583.700	31.07	-17.08	54.0	22.93	AV	63.00	200	Vertical	Pass
2	4399.800	51.46	-4.30	74.0	22.54	Peak	0.00	400	Vertical	Pass
2**	4399.800	41.55	-4.30	54.0	12.45	AV	0.00	400	Vertical	Pass
3	5321.800	100.36	-2.16	--	--	Peak	33.00	100	Vertical	N/A
3**	5321.800	92.94	-2.16	--	--	AV	33.00	100	Vertical	N/A
4	7342.125	49.41	-3.19	74.0	24.59	Peak	77.00	100	Vertical	Pass
4**	7342.125	40.92	-3.19	54.0	13.08	AV	77.00	100	Vertical	Pass
5	12629.826	53.11	1.44	74.0	20.89	Peak	236.00	200	Vertical	Pass
5**	12629.826	42.88	1.44	54.0	11.12	AV	236.00	200	Vertical	Pass
6	16090.838	55.71	1.42	74.0	18.29	Peak	271.00	400	Vertical	Pass
6**	16090.838	46.92	1.42	54.0	7.08	AV	271.00	400	Vertical	Pass

11ax40 (SU), 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	1517.900	39.30	-17.17	74.0	34.70	Peak	90.00	200	Horizontal	Pass
1**	1517.900	30.20	-17.17	54.0	23.80	AV	90.00	200	Horizontal	Pass
2	4383.800	50.28	-3.64	74.0	23.72	Peak	281.00	200	Horizontal	Pass
2**	4383.800	41.92	-3.64	54.0	12.08	AV	281.00	200	Horizontal	Pass
3	5263.400	109.27	-2.49	--	--	Peak	138.00	200	Horizontal	N/A
3**	5263.400	100.11	-2.49	--	--	AV	138.00	200	Horizontal	N/A
4	7349.313	49.24	-3.70	74.0	24.76	Peak	360.00	400	Horizontal	Pass
4**	7349.313	40.36	-3.70	54.0	13.64	AV	360.00	400	Horizontal	Pass
5	12235.375	53.86	1.15	74.0	20.14	Peak	62.00	150	Horizontal	Pass
5**	12235.375	43.75	1.15	54.0	10.25	AV	62.00	150	Horizontal	Pass
6	16058.550	55.93	0.90	74.0	18.07	Peak	86.00	300	Horizontal	Pass
6**	16058.550	46.43	0.90	54.0	7.57	AV	86.00	300	Horizontal	Pass

11ax40 (SU), 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	1584.400	39.37	-16.97	74.0	34.63	Peak	171.00	300	Vertical	Pass
1**	1584.400	31.97	-16.97	54.0	22.03	AV	171.00	300	Vertical	Pass
2	4380.400	50.14	-3.39	74.0	23.86	Peak	0.00	200	Vertical	Pass
2**	4380.400	41.62	-3.39	54.0	12.38	AV	0.00	200	Vertical	Pass
3	5254.200	98.96	-2.13	--	--	Peak	252.00	100	Vertical	N/A
3**	5254.200	88.73	-2.13	--	--	AV	252.00	100	Vertical	N/A
4	7317.112	49.57	-3.27	74.0	24.43	Peak	156.00	300	Vertical	Pass
4**	7317.112	39.77	-3.27	54.0	14.23	AV	156.00	300	Vertical	Pass
5	12287.126	52.75	1.73	74.0	21.25	Peak	60.00	100	Vertical	Pass
5**	12287.126	43.98	1.73	54.0	10.02	AV	60.00	100	Vertical	Pass
6	16108.687	55.23	0.82	74.0	18.77	Peak	68.00	300	Vertical	Pass
6**	16108.687	46.19	0.82	54.0	7.81	AV	68.00	300	Vertical	Pass

11ax40 (SU), 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	1480.700	39.61	-17.15	74.0	34.39	Peak	0.00	200	Horizontal	Pass
1**	1480.700	29.83	-17.15	54.0	24.17	AV	0.00	200	Horizontal	Pass
2	4379.400	50.36	-3.32	74.0	23.64	Peak	280.00	100	Horizontal	Pass
2**	4379.400	42.07	-3.32	54.0	11.93	AV	280.00	100	Horizontal	Pass
3	5320.000	110.18	-2.34	--	--	Peak	120.00	100	Horizontal	N/A
3**	5320.000	102.06	-2.34	--	--	AV	120.00	100	Horizontal	N/A
4	7446.488	49.21	-3.15	74.0	24.79	Peak	243.00	200	Horizontal	Pass
4**	7446.488	40.70	-3.15	54.0	13.30	AV	243.00	200	Horizontal	Pass
5	11908.775	53.38	1.55	74.0	20.62	Peak	211.00	200	Horizontal	Pass
5**	11908.775	43.49	1.55	54.0	10.51	AV	211.00	200	Horizontal	Pass
6	15658.237	55.61	1.24	74.0	18.39	Peak	33.00	100	Horizontal	Pass
6**	15658.237	45.77	1.24	54.0	8.23	AV	33.00	100	Horizontal	Pass

11ax40 (SU), 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	1490.100	39.65	-16.73	74.0	34.35	Peak	0.00	100	Vertical	Pass
1**	1490.100	29.72	-16.73	54.0	24.28	AV	0.00	100	Vertical	Pass
2	4389.000	50.08	-3.37	74.0	23.92	Peak	354.00	200	Vertical	Pass
2**	4389.000	41.46	-3.37	54.0	12.54	AV	354.00	200	Vertical	Pass
3	5305.600	97.27	-2.58	--	--	Peak	50.00	150	Vertical	N/A
3**	5305.600	89.43	-2.58	--	--	AV	50.00	150	Vertical	N/A
4	7432.400	50.13	-3.42	74.0	23.87	Peak	12.00	400	Vertical	Pass
4**	7432.400	40.16	-3.42	54.0	13.84	AV	12.00	400	Vertical	Pass
5	12118.651	52.99	0.56	74.0	21.01	Peak	192.00	150	Vertical	Pass
5**	12118.651	42.95	0.56	54.0	11.05	AV	192.00	150	Vertical	Pass
6	15805.500	55.54	2.26	74.0	18.46	Peak	326.00	150	Vertical	Pass
6**	15805.500	46.34	2.26	54.0	7.66	AV	326.00	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	1540.200	39.91	-17.02	74.0	34.09	Peak	88.00	300	Horizontal	Pass
1**	1540.200	29.01	-17.02	54.0	24.99	AV	88.00	300	Horizontal	Pass
2	4399.600	50.54	-4.38	74.0	23.46	Peak	115.00	400	Horizontal	Pass
2**	4399.600	42.29	-4.38	54.0	11.71	AV	115.00	400	Horizontal	Pass
3	5496.000	114.02	-1.58	--	--	Peak	115.00	200	Horizontal	N/A
3**	5496.000	105.98	-1.58	--	--	AV	115.00	200	Horizontal	N/A
4	7338.387	49.26	-2.90	74.0	24.74	Peak	329.00	400	Horizontal	Pass
4**	7338.387	40.89	-2.90	54.0	13.11	AV	329.00	400	Horizontal	Pass
5	12286.550	53.06	1.74	74.0	20.94	Peak	296.00	150	Horizontal	Pass
5**	12286.550	43.95	1.74	54.0	10.05	AV	296.00	150	Horizontal	Pass
6	16076.925	55.65	1.58	74.0	18.35	Peak	252.00	400	Horizontal	Pass
6**	16076.925	46.68	1.58	54.0	7.32	AV	252.00	400	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	1583.900	40.49	-17.05	74.0	33.51	Peak	32.00	400	Vertical	Pass
1**	1583.900	31.46	-17.05	54.0	22.54	AV	32.00	400	Vertical	Pass
2	4374.200	49.92	-3.96	74.0	24.08	Peak	155.00	300	Vertical	Pass
2**	4374.200	41.15	-3.96	54.0	12.85	AV	155.00	300	Vertical	Pass
3	5494.600	104.70	-1.63	--	--	Peak	70.00	100	Vertical	N/A
3**	5494.600	98.66	-1.63	--	--	AV	70.00	100	Vertical	N/A
4	7671.025	50.17	-2.54	74.0	23.83	Peak	129.00	400	Vertical	Pass
4**	7671.025	40.23	-2.54	54.0	13.77	AV	129.00	400	Vertical	Pass
5	11942.125	53.17	1.62	74.0	20.83	Peak	13.00	100	Vertical	Pass
5**	11942.125	43.79	1.62	54.0	10.21	AV	13.00	100	Vertical	Pass
6	16077.975	55.55	1.60	74.0	18.45	Peak	360.00	200	Vertical	Pass
6**	16077.975	46.63	1.60	54.0	7.37	AV	360.00	200	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	1512.400	39.45	-17.24	74.0	34.55	Peak	119.00	100	Horizontal	Pass
1**	1512.400	29.40	-17.24	54.0	24.60	AV	119.00	100	Horizontal	Pass
2	4373.800	51.56	-3.88	74.0	22.44	Peak	213.00	100	Horizontal	Pass
2**	4373.800	40.75	-3.88	54.0	13.25	AV	213.00	100	Horizontal	Pass
3	5587.200	111.41	-1.76	--	--	Peak	97.00	100	Horizontal	N/A
3**	5587.200	103.98	-1.76	--	--	AV	97.00	100	Horizontal	N/A
4	7507.150	50.46	-3.08	74.0	23.54	Peak	12.00	100	Horizontal	Pass
4**	7507.150	40.57	-3.08	54.0	13.43	AV	12.00	100	Horizontal	Pass
5	12282.526	52.92	1.79	74.0	21.08	Peak	356.00	100	Horizontal	Pass
5**	12282.526	44.14	1.79	54.0	9.86	AV	356.00	100	Horizontal	Pass
6	16040.438	55.56	0.79	74.0	18.44	Peak	344.00	100	Horizontal	Pass
6**	16040.438	46.09	0.79	54.0	7.91	AV	344.00	100	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	1489.600	39.74	-16.73	74.0	34.26	Peak	117.00	400	Vertical	Pass
1**	1489.600	29.73	-16.73	54.0	24.27	AV	117.00	400	Vertical	Pass
2	4366.600	49.87	-3.84	74.0	24.13	Peak	312.00	400	Vertical	Pass
2**	4366.600	40.93	-3.84	54.0	13.07	AV	312.00	400	Vertical	Pass
3	5577.400	107.44	-1.86	--	--	Peak	74.00	100	Vertical	N/A
3**	5577.400	99.05	-1.86	--	--	AV	74.00	100	Vertical	N/A
4	7275.425	49.56	-2.97	74.0	24.44	Peak	201.00	200	Vertical	Pass
4**	7275.425	40.34	-2.97	54.0	13.66	AV	201.00	200	Vertical	Pass
5	12273.037	53.14	1.55	74.0	20.86	Peak	121.00	200	Vertical	Pass
5**	12273.037	44.47	1.55	54.0	9.53	AV	121.00	200	Vertical	Pass
6	15647.213	55.12	1.21	74.0	18.88	Peak	212.00	150	Vertical	Pass
6**	15647.213	46.46	1.21	54.0	7.54	AV	212.00	150	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	1448.900	39.80	-17.26	74.0	34.20	Peak	269.00	100	Horizontal	Pass
1**	1448.900	29.30	-17.26	54.0	24.70	AV	269.00	100	Horizontal	Pass
2	4379.600	50.73	-3.30	74.0	23.27	Peak	138.00	100	Horizontal	Pass
2**	4379.600	42.26	-3.30	54.0	11.74	AV	138.00	100	Horizontal	Pass
3	5707.000	111.92	-1.96	--	--	Peak	118.00	150	Horizontal	N/A
3**	5707.000	103.93	-1.96	--	--	AV	118.00	150	Horizontal	N/A
4	7669.587	49.60	-2.67	74.0	24.40	Peak	320.00	200	Horizontal	Pass
4**	7669.587	39.49	-2.67	54.0	14.51	AV	320.00	200	Horizontal	Pass
5	11946.438	52.81	1.50	74.0	21.19	Peak	320.00	100	Horizontal	Pass
5**	11946.438	43.32	1.50	54.0	10.68	AV	320.00	100	Horizontal	Pass
6	15679.762	55.45	1.58	74.0	18.55	Peak	308.00	300	Horizontal	Pass
6**	15679.762	45.83	1.58	54.0	8.17	AV	308.00	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	1625.500	39.45	-17.14	74.0	34.55	Peak	340.00	100	Vertical	Pass
1**	1625.500	29.87	-17.14	54.0	24.13	AV	340.00	100	Vertical	Pass
2	4379.600	50.09	-3.30	74.0	23.91	Peak	323.00	200	Vertical	Pass
2**	4379.600	41.44	-3.30	54.0	12.56	AV	323.00	200	Vertical	Pass
3	5694.400	105.00	-1.14	--	--	Peak	70.00	100	Vertical	N/A
3**	5694.400	98.10	-1.14	--	--	AV	70.00	100	Vertical	N/A
4	7333.788	49.96	-3.14	74.0	24.04	Peak	127.00	300	Vertical	Pass
4**	7333.788	40.22	-3.14	54.0	13.78	AV	127.00	300	Vertical	Pass
5	12603.088	53.64	1.91	74.0	20.36	Peak	203.00	150	Vertical	Pass
5**	12603.088	43.21	1.91	54.0	10.79	AV	203.00	150	Vertical	Pass
6	16196.100	56.12	1.59	74.0	17.88	Peak	285.00	300	Vertical	Pass
6**	16196.100	45.30	1.59	54.0	8.70	AV	285.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.500	39.13	-16.85	74.0	34.87	Peak	357.00	400	Horizontal	Pass
1**	1491.500	29.82	-16.85	54.0	24.18	AV	357.00	400	Horizontal	Pass
2	4399.800	51.67	-4.30	74.0	22.33	Peak	124.00	200	Horizontal	Pass
2**	4399.800	44.57	-4.30	54.0	9.43	AV	124.00	200	Horizontal	Pass
3	5506.400	112.60	-1.00	--	--	Peak	124.00	100	Horizontal	N/A
3**	5506.400	104.90	-1.00	--	--	AV	124.00	100	Horizontal	N/A
4	7504.275	49.50	-3.04	74.0	24.50	Peak	304.00	100	Horizontal	Pass
4**	7504.275	40.52	-3.04	54.0	13.48	AV	304.00	100	Horizontal	Pass
5	12624.075	53.58	1.63	74.0	20.42	Peak	255.00	100	Horizontal	Pass
5**	12624.075	44.24	1.63	54.0	9.76	AV	255.00	100	Horizontal	Pass
6	15852.750	55.94	1.26	74.0	18.06	Peak	29.00	200	Horizontal	Pass
6**	15852.750	46.40	1.26	54.0	7.60	AV	29.00	200	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	1497.800	40.26	-17.13	74.0	33.74	Peak	113.00	300	Vertical	Pass
1**	1497.800	30.20	-17.13	54.0	23.80	AV	113.00	300	Vertical	Pass
2	4385.200	50.44	-3.43	74.0	23.56	Peak	202.00	200	Vertical	Pass
2**	4385.200	41.08	-3.43	54.0	12.92	AV	202.00	200	Vertical	Pass
3	5492.600	104.59	-1.79	--	--	Peak	74.00	100	Vertical	N/A
3**	5492.600	96.58	-1.79	--	--	AV	74.00	100	Vertical	N/A
4	7338.387	50.03	-2.90	74.0	23.97	Peak	328.00	200	Vertical	Pass
4**	7338.387	40.63	-2.90	54.0	13.37	AV	328.00	200	Vertical	Pass
5	12396.088	53.08	1.60	74.0	20.92	Peak	11.00	150	Vertical	Pass
5**	12396.088	44.16	1.60	54.0	9.84	AV	11.00	150	Vertical	Pass
6	15846.450	55.80	1.36	74.0	18.20	Peak	8.00	400	Vertical	Pass
6**	15846.450	46.69	1.36	54.0	7.31	AV	8.00	400	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	1489.100	38.89	-16.76	74.0	35.11	Peak	93.00	100	Horizontal	Pass
1**	1489.100	29.83	-16.76	54.0	24.17	AV	93.00	100	Horizontal	Pass
2	4386.000	50.31	-3.30	74.0	23.69	Peak	266.00	200	Horizontal	Pass
2**	4386.000	41.34	-3.30	54.0	12.66	AV	266.00	200	Horizontal	Pass
3	5577.200	112.86	-1.93	--	--	Peak	132.00	150	Horizontal	N/A
3**	5577.200	105.12	-1.93	--	--	AV	132.00	150	Horizontal	N/A
4	7354.200	49.77	-3.78	74.0	24.23	Peak	315.00	200	Horizontal	Pass
4**	7354.200	39.99	-3.78	54.0	14.01	AV	315.00	200	Horizontal	Pass
5	12361.588	53.24	1.18	74.0	20.76	Peak	139.00	100	Horizontal	Pass
5**	12361.588	43.53	1.18	54.0	10.47	AV	139.00	100	Horizontal	Pass
6	15498.637	55.95	1.13	74.0	18.05	Peak	329.00	400	Horizontal	Pass
6**	15498.637	46.63	1.13	54.0	7.37	AV	329.00	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	1504.000	39.86	-16.92	74.0	34.14	Peak	36.00	100	Vertical	Pass
1**	1504.000	30.02	-16.92	54.0	23.98	AV	36.00	100	Vertical	Pass
2	4366.400	50.22	-3.85	74.0	23.78	Peak	304.00	200	Vertical	Pass
2**	4366.400	40.68	-3.85	54.0	13.32	AV	304.00	200	Vertical	Pass
3	5573.600	104.86	-1.98	--	--	Peak	79.00	150	Vertical	N/A
3**	5573.600	96.92	-1.98	--	--	AV	79.00	150	Vertical	N/A
4	7342.125	49.59	-3.19	74.0	24.41	Peak	43.00	100	Vertical	Pass
4**	7342.125	40.60	-3.19	54.0	13.40	AV	43.00	100	Vertical	Pass
5	12228.475	53.33	1.31	74.0	20.67	Peak	11.00	100	Vertical	Pass
5**	12228.475	43.54	1.31	54.0	10.46	AV	11.00	100	Vertical	Pass
6	16083.750	55.77	1.56	74.0	18.23	Peak	277.00	200	Vertical	Pass
6**	16083.750	46.53	1.56	54.0	7.47	AV	277.00	200	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	1544.400	39.34	-17.25	74.0	34.66	Peak	270.00	400	Horizontal	Pass
1**	1544.400	31.03	-17.25	54.0	22.97	AV	270.00	400	Horizontal	Pass
2	4390.400	51.64	-3.30	74.0	22.36	Peak	111.00	300	Horizontal	Pass
2**	4390.400	41.39	-3.30	54.0	12.61	AV	111.00	300	Horizontal	Pass
3	5705.800	110.27	-1.78	--	--	Peak	122.00	200	Horizontal	N/A
3**	5705.800	102.83	-1.78	--	--	AV	122.00	200	Horizontal	N/A
4	7715.013	51.03	-2.51	74.0	22.97	Peak	300.00	400	Horizontal	Pass
4**	7715.013	40.37	-2.51	54.0	13.63	AV	300.00	400	Horizontal	Pass
5	12237.388	52.94	1.11	74.0	21.06	Peak	29.00	150	Horizontal	Pass
5**	12237.388	43.90	1.11	54.0	10.10	AV	29.00	150	Horizontal	Pass
6	15814.162	56.14	2.08	74.0	17.86	Peak	277.00	100	Horizontal	Pass
6**	15814.162	46.39	2.08	54.0	7.61	AV	277.00	100	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	1447.900	39.12	-17.21	74.0	34.88	Peak	358.00	100	Vertical	Pass
1**	1447.900	30.01	-17.21	54.0	23.99	AV	358.00	100	Vertical	Pass
2	4379.800	49.90	-3.28	74.0	24.10	Peak	216.00	400	Vertical	Pass
2**	4379.800	41.83	-3.28	54.0	12.17	AV	216.00	400	Vertical	Pass
3	5698.800	102.46	-1.01	--	--	Peak	79.00	100	Vertical	N/A
3**	5698.800	94.83	-1.01	--	--	AV	79.00	100	Vertical	N/A
4	7334.650	49.72	-3.21	74.0	24.28	Peak	0.00	100	Vertical	Pass
4**	7334.650	41.60	-3.21	54.0	12.40	AV	0.00	100	Vertical	Pass
5	12409.312	52.91	1.45	74.0	21.09	Peak	0.00	100	Vertical	Pass
5**	12409.312	43.99	1.45	54.0	10.01	AV	0.00	100	Vertical	Pass
6	15505.988	56.00	1.31	74.0	18.00	Peak	108.00	100	Vertical	Pass
6**	15505.988	46.36	1.31	54.0	7.64	AV	108.00	100	Vertical	Pass

11ax20 (SU), 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	1517.700	40.43	-17.16	74.0	33.57	Peak	104.00	400	Horizontal	Pass
1**	1517.700	30.35	-17.16	54.0	23.65	AV	104.00	400	Horizontal	Pass
2	4389.600	50.42	-3.34	74.0	23.58	Peak	18.00	100	Horizontal	Pass
2**	4389.600	41.51	-3.34	54.0	12.49	AV	18.00	100	Horizontal	Pass
3	5503.600	114.11	-1.36	--	--	Peak	123.00	200	Horizontal	N/A
3**	5503.600	104.17	-1.36	--	--	AV	123.00	200	Horizontal	N/A
4	7430.100	49.58	-3.44	74.0	24.42	Peak	360.00	400	Horizontal	Pass
4**	7430.100	40.71	-3.44	54.0	13.29	AV	360.00	400	Horizontal	Pass
5	11780.263	52.64	1.23	74.0	21.36	Peak	219.00	200	Horizontal	Pass
5**	11780.263	43.18	1.23	54.0	10.82	AV	219.00	200	Horizontal	Pass
6	15792.375	55.58	2.08	74.0	18.42	Peak	322.00	150	Horizontal	Pass
6**	15792.375	46.25	2.08	54.0	7.75	AV	322.00	150	Horizontal	Pass

11ax20 (SU), 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	1495.500	39.80	-16.85	74.0	34.20	Peak	60.00	100	Vertical	Pass
1**	1495.500	30.18	-16.85	54.0	23.82	AV	60.00	100	Vertical	Pass
2	4379.600	50.25	-3.30	74.0	23.75	Peak	47.00	400	Vertical	Pass
2**	4379.600	41.74	-3.30	54.0	12.26	AV	47.00	400	Vertical	Pass
3	5506.000	103.74	-1.01	--	--	Peak	78.00	200	Vertical	N/A
3**	5506.000	94.45	-1.01	--	--	AV	78.00	200	Vertical	N/A
4	7620.425	49.46	-2.61	74.0	24.54	Peak	7.00	400	Vertical	Pass
4**	7620.425	40.48	-2.61	54.0	13.52	AV	7.00	400	Vertical	Pass
5	12614.875	53.15	1.88	74.0	20.85	Peak	220.00	150	Vertical	Pass
5**	12614.875	43.32	1.88	54.0	10.68	AV	220.00	150	Vertical	Pass
6	16179.562	55.56	1.49	74.0	18.44	Peak	276.00	400	Vertical	Pass
6**	16179.562	45.67	1.49	54.0	8.33	AV	276.00	400	Vertical	Pass

11ax20 (SU), 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	1584.100	39.11	-17.02	74.0	34.89	Peak	116.00	400	Horizontal	Pass
1**	1584.100	32.00	-17.02	54.0	22.00	AV	116.00	400	Horizontal	Pass
2	4392.400	51.29	-3.55	74.0	22.71	Peak	0.00	400	Horizontal	Pass
2**	4392.400	41.26	-3.55	54.0	12.74	AV	0.00	400	Horizontal	Pass
3	5573.200	113.04	-2.11	--	--	Peak	120.00	100	Horizontal	N/A
3**	5573.200	105.22	-2.11	--	--	AV	120.00	100	Horizontal	N/A
4	7324.875	49.71	-3.47	74.0	24.29	Peak	51.00	400	Horizontal	Pass
4**	7324.875	40.96	-3.47	54.0	13.04	AV	51.00	400	Horizontal	Pass
5	11497.075	53.30	0.05	74.0	20.70	Peak	360.00	150	Horizontal	Pass
5**	11497.075	42.52	0.05	54.0	11.48	AV	360.00	150	Horizontal	Pass
6	15801.562	56.48	2.31	74.0	17.52	Peak	224.00	300	Horizontal	Pass
6**	15801.562	47.39	2.31	54.0	6.61	AV	224.00	300	Horizontal	Pass

11ax20 (SU), 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	1588.400	39.32	-17.10	74.0	34.68	Peak	106.00	300	Vertical	Pass
1**	1588.400	30.39	-17.10	54.0	23.61	AV	106.00	300	Vertical	Pass
2	4394.800	50.98	-3.89	74.0	23.02	Peak	204.00	100	Vertical	Pass
2**	4394.800	41.07	-3.89	54.0	12.93	AV	204.00	100	Vertical	Pass
3	5587.000	106.53	-1.75	--	--	Peak	77.00	100	Vertical	N/A
3**	5587.000	96.18	-1.75	--	--	AV	77.00	100	Vertical	N/A
4	7364.837	50.18	-3.42	74.0	23.82	Peak	220.00	100	Vertical	Pass
4**	7364.837	40.18	-3.42	54.0	13.82	AV	220.00	100	Vertical	Pass
5	12319.325	53.60	1.42	74.0	20.40	Peak	183.00	100	Vertical	Pass
5**	12319.325	43.55	1.42	54.0	10.45	AV	183.00	100	Vertical	Pass
6	15845.401	55.97	1.37	74.0	18.03	Peak	143.00	100	Vertical	Pass
6**	15845.401	45.75	1.37	54.0	8.25	AV	143.00	100	Vertical	Pass

11ax20 (SU), 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	1583.700	40.12	-17.08	74.0	33.88	Peak	360.00	100	Horizontal	Pass
1**	1583.700	32.70	-17.08	54.0	21.30	AV	360.00	100	Horizontal	Pass
2	4375.200	50.14	-4.15	74.0	23.86	Peak	278.00	300	Horizontal	Pass
2**	4375.200	40.83	-4.15	54.0	13.17	AV	278.00	300	Horizontal	Pass
3	5696.800	111.79	-1.19	--	--	Peak	141.00	100	Horizontal	N/A
3**	5696.800	101.21	-1.19	--	--	AV	141.00	100	Horizontal	N/A
4	7333.788	49.58	-3.14	74.0	24.42	Peak	310.00	100	Horizontal	Pass
4**	7333.788	41.02	-3.14	54.0	12.98	AV	310.00	100	Horizontal	Pass
5	12287.412	53.41	1.72	74.0	20.59	Peak	95.00	200	Horizontal	Pass
5**	12287.412	44.14	1.72	54.0	9.86	AV	95.00	200	Horizontal	Pass
6	15816.787	55.14	1.99	74.0	18.86	Peak	189.00	150	Horizontal	Pass
6**	15816.787	45.84	1.99	54.0	8.16	AV	189.00	150	Horizontal	Pass

11ax20 (SU), 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	1577.400	39.54	-17.43	74.0	34.46	Peak	340.00	300	Vertical	Pass
1**	1577.400	29.22	-17.43	54.0	24.78	AV	340.00	300	Vertical	Pass
2	4392.800	51.03	-3.61	74.0	22.97	Peak	225.00	200	Vertical	Pass
2**	4392.800	41.89	-3.61	54.0	12.11	AV	225.00	200	Vertical	Pass
3	5697.000	103.87	-1.19	--	--	Peak	50.00	150	Vertical	N/A
3**	5697.000	94.51	-1.19	--	--	AV	50.00	150	Vertical	N/A
4	7337.812	49.52	-2.88	74.0	24.48	Peak	330.00	300	Vertical	Pass
4**	7337.812	42.13	-2.88	54.0	11.87	AV	330.00	300	Vertical	Pass
5	12446.113	53.61	1.83	74.0	20.39	Peak	253.00	150	Vertical	Pass
5**	12446.113	43.04	1.83	54.0	10.96	AV	253.00	150	Vertical	Pass
6	16199.775	56.14	1.58	74.0	17.86	Peak	298.00	100	Vertical	Pass
6**	16199.775	46.20	1.58	54.0	7.80	AV	298.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.000	39.14	-16.83	74.0	34.86	Peak	175.00	300	Horizontal	Pass
1**	1506.000	30.58	-16.83	54.0	23.42	AV	175.00	300	Horizontal	Pass
2	4381.200	50.19	-3.52	74.0	23.81	Peak	276.00	100	Horizontal	Pass
2**	4381.200	41.57	-3.52	54.0	12.43	AV	276.00	100	Horizontal	Pass
3	5741.000	109.06	-2.19	--	--	Peak	120.00	100	Horizontal	N/A
3**	5741.000	101.83	-2.19	--	--	AV	120.00	100	Horizontal	N/A
4	7392.725	50.86	-3.81	74.0	23.14	Peak	246.00	300	Horizontal	Pass
4**	7392.725	39.97	-3.81	54.0	14.03	AV	246.00	300	Horizontal	Pass
5	12272.750	53.81	1.54	74.0	20.19	Peak	313.00	150	Horizontal	Pass
5**	12272.750	44.63	1.54	54.0	9.37	AV	313.00	150	Horizontal	Pass
6	16065.901	56.09	1.18	74.0	17.91	Peak	186.00	300	Horizontal	Pass
6**	16065.901	45.84	1.18	54.0	8.16	AV	186.00	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	1606.000	39.81	-17.49	74.0	34.19	Peak	96.00	200	Vertical	Pass
1**	1606.000	30.05	-17.49	54.0	23.95	AV	96.00	200	Vertical	Pass
2	4290.400	50.49	-4.44	74.0	23.51	Peak	88.00	150	Vertical	Pass
2**	4290.400	40.78	-4.44	54.0	13.22	AV	88.00	150	Vertical	Pass
3	5742.400	101.63	-2.21	--	--	Peak	77.00	200	Vertical	N/A
3**	5742.400	93.27	-2.21	--	--	AV	77.00	200	Vertical	N/A
4	7591.963	49.74	-3.03	74.0	24.26	Peak	192.00	200	Vertical	Pass
4**	7591.963	39.43	-3.03	54.0	14.57	AV	192.00	200	Vertical	Pass
5	12327.950	53.08	1.42	74.0	20.92	Peak	192.00	150	Vertical	Pass
5**	12327.950	43.83	1.42	54.0	10.17	AV	192.00	150	Vertical	Pass
6	15803.400	56.46	2.29	74.0	17.54	Peak	97.00	300	Vertical	Pass
6**	15803.400	46.44	2.29	54.0	7.56	AV	97.00	300	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	1612.500	39.77	-17.32	74.0	34.23	Peak	351.00	300	Horizontal	Pass
1**	1612.500	29.27	-17.32	54.0	24.73	AV	351.00	300	Horizontal	Pass
2	4378.600	50.96	-3.40	74.0	23.04	Peak	360.00	400	Horizontal	Pass
2**	4378.600	42.77	-3.40	54.0	11.23	AV	360.00	400	Horizontal	Pass
3	5780.400	108.70	-1.70	--	--	Peak	127.00	100	Horizontal	N/A
3**	5780.400	100.77	-1.70	--	--	AV	127.00	100	Horizontal	N/A
4	7388.125	49.48	-3.98	74.0	24.52	Peak	80.00	200	Horizontal	Pass
4**	7388.125	40.97	-3.98	54.0	13.03	AV	80.00	200	Horizontal	Pass
5	12291.151	52.99	1.64	74.0	21.01	Peak	0.00	150	Horizontal	Pass
5**	12291.151	44.39	1.64	54.0	9.61	AV	0.00	150	Horizontal	Pass
6	15837.787	56.25	1.45	74.0	17.75	Peak	219.00	200	Horizontal	Pass
6**	15837.787	46.49	1.45	54.0	7.51	AV	219.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.500	39.69	-17.19	74.0	34.31	Peak	127.00	200	Vertical	Pass
1**	1447.500	29.50	-17.19	54.0	24.50	AV	127.00	200	Vertical	Pass
2	4385.200	50.79	-3.43	74.0	23.21	Peak	360.00	300	Vertical	Pass
2**	4385.200	41.47	-3.43	54.0	12.53	AV	360.00	300	Vertical	Pass
3	5781.000	101.42	-1.58	--	--	Peak	255.00	150	Vertical	N/A
3**	5781.000	93.28	-1.58	--	--	AV	255.00	150	Vertical	N/A
4	7673.612	49.53	-2.31	74.0	24.47	Peak	38.00	400	Vertical	Pass
4**	7673.612	40.55	-2.31	54.0	13.45	AV	38.00	400	Vertical	Pass
5	12631.550	53.88	1.38	74.0	20.12	Peak	310.00	200	Vertical	Pass
5**	12631.550	42.94	1.38	54.0	11.06	AV	310.00	200	Vertical	Pass
6	15801.037	55.27	2.32	74.0	18.73	Peak	38.00	150	Vertical	Pass
6**	15801.037	46.23	2.32	54.0	7.77	AV	38.00	150	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	1517.200	39.18	-17.15	74.0	34.82	Peak	210.00	300	Horizontal	Pass
1**	1517.200	29.94	-17.15	54.0	24.06	AV	210.00	300	Horizontal	Pass
2	4660.200	53.54	-2.37	74.0	20.46	Peak	139.00	150	Horizontal	Pass
2**	4660.200	48.08	-2.37	54.0	5.92	AV	139.00	150	Horizontal	Pass
3	5817.000	107.75	-2.14	--	--	Peak	129.00	100	Horizontal	N/A
3**	5817.000	100.32	-2.14	--	--	AV	129.00	100	Horizontal	N/A
4	7322.288	49.65	-3.28	74.0	24.35	Peak	360.00	200	Horizontal	Pass
4**	7322.288	40.47	-3.28	54.0	13.53	AV	360.00	200	Horizontal	Pass
5	12602.512	53.55	1.91	74.0	20.45	Peak	158.00	100	Horizontal	Pass
5**	12602.512	44.70	1.91	54.0	9.30	AV	158.00	100	Horizontal	Pass
6	15488.663	55.63	0.93	74.0	18.37	Peak	168.00	200	Horizontal	Pass
6**	15488.663	46.24	0.93	54.0	7.76	AV	168.00	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	1499.200	40.01	-17.09	74.0	33.99	Peak	50.00	300	Vertical	Pass
1**	1499.200	30.04	-17.09	54.0	23.96	AV	50.00	300	Vertical	Pass
2	4367.200	50.07	-3.82	74.0	23.93	Peak	360.00	300	Vertical	Pass
2**	4367.200	40.46	-3.82	54.0	13.54	AV	360.00	300	Vertical	Pass
3	5832.800	100.63	-1.74	--	--	Peak	260.00	150	Vertical	N/A
3**	5832.800	93.30	-1.74	--	--	AV	260.00	150	Vertical	N/A
4	7326.025	49.59	-3.43	74.0	24.41	Peak	69.00	200	Vertical	Pass
4**	7326.025	40.28	-3.43	54.0	13.72	AV	69.00	200	Vertical	Pass
5	12307.250	52.94	1.38	74.0	21.06	Peak	8.00	100	Vertical	Pass
5**	12307.250	43.32	1.38	54.0	10.68	AV	8.00	100	Vertical	Pass
6	15816.263	55.53	2.01	74.0	18.47	Peak	360.00	400	Vertical	Pass
6**	15816.263	46.44	2.01	54.0	7.56	AV	360.00	400	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	1501.400	39.37	-16.94	74.0	34.63	Peak	273.00	300	Horizontal	Pass
1**	1501.400	30.25	-16.94	54.0	23.75	AV	273.00	300	Horizontal	Pass
2	4387.200	50.45	-3.34	74.0	23.55	Peak	216.00	300	Horizontal	Pass
2**	4387.200	41.52	-3.34	54.0	12.48	AV	216.00	300	Horizontal	Pass
3	5752.600	109.89	-1.93	--	--	Peak	127.00	150	Horizontal	N/A
3**	5752.600	100.52	-1.93	--	--	AV	127.00	150	Horizontal	N/A
4	7340.112	49.60	-2.98	74.0	24.40	Peak	0.00	100	Horizontal	Pass
4**	7340.112	40.99	-2.98	54.0	13.01	AV	0.00	100	Horizontal	Pass
5	11607.474	53.29	-0.03	74.0	20.71	Peak	0.00	200	Horizontal	Pass
5**	11607.474	43.74	-0.03	54.0	10.26	AV	0.00	200	Horizontal	Pass
6	15620.437	55.13	1.64	74.0	18.87	Peak	284.00	150	Horizontal	Pass
6**	15620.437	45.40	1.64	54.0	8.60	AV	284.00	150	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	1574.300	39.36	-17.13	74.0	34.64	Peak	52.00	200	Vertical	Pass
1**	1574.300	29.91	-17.13	54.0	24.09	AV	52.00	200	Vertical	Pass
2	4376.400	50.30	-3.92	74.0	23.70	Peak	0.00	400	Vertical	Pass
2**	4376.400	40.62	-3.92	54.0	13.38	AV	0.00	400	Vertical	Pass
3	5738.200	102.09	-2.11	--	--	Peak	63.00	200	Vertical	N/A
3**	5738.200	93.87	-2.11	--	--	AV	63.00	200	Vertical	N/A
4	7338.387	49.48	-2.90	74.0	24.52	Peak	186.00	300	Vertical	Pass
4**	7338.387	40.79	-2.90	54.0	13.21	AV	186.00	300	Vertical	Pass
5	11776.238	54.53	1.27	74.0	19.47	Peak	251.00	200	Vertical	Pass
5**	11776.238	42.90	1.27	54.0	11.10	AV	251.00	200	Vertical	Pass
6	15806.026	55.78	2.25	74.0	18.22	Peak	360.00	200	Vertical	Pass
6**	15806.026	46.28	2.25	54.0	7.72	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1608.400	39.51	-17.48	74.0	34.49	Peak	107.00	100	Horizontal	Pass
1**	1608.400	31.17	-17.48	54.0	22.83	AV	107.00	100	Horizontal	Pass
2	4628.000	51.94	-3.50	74.0	22.06	Peak	153.00	150	Horizontal	Pass
2**	4628.000	48.92	-3.50	54.0	5.08	AV	153.00	150	Horizontal	Pass
3	5780.800	108.37	-1.62	--	--	Peak	127.00	200	Horizontal	N/A
3**	5780.800	100.60	-1.62	--	--	AV	127.00	200	Horizontal	N/A
4	7343.275	49.58	-3.35	74.0	24.42	Peak	292.00	200	Horizontal	Pass
4**	7343.275	40.18	-3.35	54.0	13.82	AV	292.00	200	Horizontal	Pass
5	12323.637	53.17	1.42	74.0	20.83	Peak	218.00	150	Horizontal	Pass
5**	12323.637	43.34	1.42	54.0	10.66	AV	218.00	150	Horizontal	Pass
6	16088.212	56.35	1.47	74.0	17.65	Peak	296.00	100	Horizontal	Pass
6**	16088.212	46.38	1.47	54.0	7.62	AV	296.00	100	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	1585.300	39.30	-16.81	74.0	34.70	Peak	49.00	200	Vertical	Pass
1**	1585.300	31.08	-16.81	54.0	22.92	AV	49.00	200	Vertical	Pass
2	4390.800	51.10	-3.35	74.0	22.90	Peak	163.00	400	Vertical	Pass
2**	4390.800	41.69	-3.35	54.0	12.31	AV	163.00	400	Vertical	Pass
3	5781.600	100.39	-1.45	--	--	Peak	261.00	200	Vertical	N/A
3**	5781.600	92.78	-1.45	--	--	AV	261.00	200	Vertical	N/A
4	7319.987	49.84	-3.06	74.0	24.16	Peak	195.00	100	Vertical	Pass
4**	7319.987	40.28	-3.06	54.0	13.72	AV	195.00	100	Vertical	Pass
5	12314.150	53.73	1.40	74.0	20.27	Peak	230.00	200	Vertical	Pass
5**	12314.150	43.73	1.40	54.0	10.27	AV	230.00	200	Vertical	Pass
6	15616.238	55.76	1.52	74.0	18.24	Peak	146.00	150	Vertical	Pass
6**	15616.238	46.66	1.52	54.0	7.34	AV	146.00	150	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	1507.400	39.50	-16.91	74.0	34.50	Peak	333.00	400	Horizontal	Pass
1**	1507.400	30.33	-16.91	54.0	23.67	AV	333.00	400	Horizontal	Pass
2	4660.200	52.73	-2.37	74.0	21.27	Peak	152.00	150	Horizontal	Pass
2**	4660.200	49.23	-2.37	54.0	4.77	AV	152.00	150	Horizontal	Pass
3	5827.000	107.54	-1.98	--	--	Peak	139.00	150	Horizontal	N/A
3**	5827.000	99.43	-1.98	--	--	AV	139.00	150	Horizontal	N/A
4	7446.488	50.26	-3.15	74.0	23.74	Peak	98.00	300	Horizontal	Pass
4**	7446.488	40.76	-3.15	54.0	13.24	AV	98.00	300	Horizontal	Pass
5	12354.113	54.18	1.18	74.0	19.82	Peak	120.00	200	Horizontal	Pass
5**	12354.113	43.56	1.18	54.0	10.44	AV	120.00	200	Horizontal	Pass
6	16107.900	56.02	0.86	74.0	17.98	Peak	17.00	300	Horizontal	Pass
6**	16107.900	46.96	0.86	54.0	7.04	AV	17.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.200	40.03	-17.00	74.0	33.97	Peak	127.00	300	Vertical	Pass
1**	1584.200	33.34	-17.00	54.0	20.66	AV	127.00	300	Vertical	Pass
2	4373.200	49.93	-3.85	74.0	24.07	Peak	108.00	300	Vertical	Pass
2**	4373.200	40.71	-3.85	54.0	13.29	AV	108.00	300	Vertical	Pass
3	5832.800	100.88	-1.74	--	--	Peak	57.00	200	Vertical	N/A
3**	5832.800	92.84	-1.74	--	--	AV	57.00	200	Vertical	N/A
4	7732.263	49.58	-2.24	74.0	24.42	Peak	296.00	100	Vertical	Pass
4**	7732.263	40.77	-2.24	54.0	13.23	AV	296.00	100	Vertical	Pass
5	12307.537	52.89	1.38	74.0	21.11	Peak	184.00	150	Vertical	Pass
5**	12307.537	43.64	1.38	54.0	10.36	AV	184.00	150	Vertical	Pass
6	15651.412	55.18	1.18	74.0	18.82	Peak	287.00	150	Vertical	Pass
6**	15651.412	46.55	1.18	54.0	7.45	AV	287.00	150	Vertical	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.000	39.56	-17.08	74.0	34.44	Peak	47.00	400	Horizontal	Pass
1**	1596.000	29.51	-17.08	54.0	24.49	AV	47.00	400	Horizontal	Pass
2	4379.200	50.51	-3.34	74.0	23.49	Peak	79.00	300	Horizontal	Pass
2**	4379.200	41.38	-3.34	54.0	12.62	AV	79.00	300	Horizontal	Pass
3	5738.800	107.25	-2.10	--	--	Peak	121.00	100	Horizontal	N/A
3**	5738.800	99.52	-2.10	--	--	AV	121.00	100	Horizontal	N/A
4	7336.950	49.89	-3.01	74.0	24.11	Peak	346.00	100	Horizontal	Pass
4**	7336.950	40.94	-3.01	54.0	13.06	AV	346.00	100	Horizontal	Pass
5	12055.400	53.11	1.02	74.0	20.89	Peak	135.00	200	Horizontal	Pass
5**	12055.400	42.85	1.02	54.0	11.15	AV	135.00	200	Horizontal	Pass
6	16079.287	55.57	1.63	74.0	18.43	Peak	311.00	300	Horizontal	Pass
6**	16079.287	47.13	1.63	54.0	6.87	AV	311.00	300	Horizontal	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.600	39.28	-16.92	74.0	34.72	Peak	360.00	400	Vertical	Pass
1**	1586.600	31.55	-16.92	54.0	22.45	AV	360.00	400	Vertical	Pass
2	4390.000	50.78	-3.32	74.0	23.22	Peak	124.00	400	Vertical	Pass
2**	4390.000	41.60	-3.32	54.0	12.40	AV	124.00	400	Vertical	Pass
3	5746.000	99.91	-2.21	--	--	Peak	66.00	100	Vertical	N/A
3**	5746.000	90.30	-2.21	--	--	AV	66.00	100	Vertical	N/A
4	7393.300	49.95	-3.82	74.0	24.05	Peak	100.00	400	Vertical	Pass
4**	7393.300	40.60	-3.82	54.0	13.40	AV	100.00	400	Vertical	Pass
5	11928.325	53.71	1.55	74.0	20.29	Peak	157.00	100	Vertical	Pass
5**	11928.325	42.76	1.55	54.0	11.24	AV	157.00	100	Vertical	Pass
6	16181.137	56.03	1.51	74.0	17.97	Peak	215.00	100	Vertical	Pass
6**	16181.137	45.86	1.51	54.0	8.14	AV	215.00	100	Vertical	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1553.000	39.09	-17.15	74.0	34.91	Peak	0.00	200	Horizontal	Pass
1**	1553.000	29.28	-17.15	54.0	24.72	AV	0.00	200	Horizontal	Pass
2	4391.600	50.74	-3.45	74.0	23.26	Peak	67.00	200	Horizontal	Pass
2**	4391.600	41.54	-3.45	54.0	12.46	AV	67.00	200	Horizontal	Pass
3	5786.800	106.24	-1.67	--	--	Peak	129.00	150	Horizontal	N/A
3**	5786.800	97.22	-1.67	--	--	AV	129.00	150	Horizontal	N/A
4	7432.975	50.78	-3.37	74.0	23.22	Peak	158.00	200	Horizontal	Pass
4**	7432.975	40.43	-3.37	54.0	13.57	AV	158.00	200	Horizontal	Pass
5	12391.775	52.82	1.58	74.0	21.18	Peak	0.00	150	Horizontal	Pass
5**	12391.775	44.06	1.58	54.0	9.94	AV	0.00	150	Horizontal	Pass
6	15832.800	56.73	1.47	74.0	17.27	Peak	304.00	400	Horizontal	Pass
6**	15832.800	46.78	1.47	54.0	7.22	AV	304.00	400	Horizontal	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1584.100	39.38	-17.02	74.0	34.62	Peak	147.00	300	Vertical	Pass
1**	1584.100	32.88	-17.02	54.0	21.12	AV	147.00	300	Vertical	Pass
2	4386.200	50.47	-3.27	74.0	23.53	Peak	328.00	300	Vertical	Pass
2**	4386.200	42.35	-3.27	54.0	11.65	AV	328.00	300	Vertical	Pass
3	5781.400	99.76	-1.49	--	--	Peak	57.00	150	Vertical	N/A
3**	5781.400	90.53	-1.49	--	--	AV	57.00	150	Vertical	N/A
4	7344.138	49.73	-3.45	74.0	24.27	Peak	46.00	100	Vertical	Pass
4**	7344.138	40.74	-3.45	54.0	13.26	AV	46.00	100	Vertical	Pass
5	12278.500	53.38	1.75	74.0	20.62	Peak	229.00	100	Vertical	Pass
5**	12278.500	44.14	1.75	54.0	9.86	AV	229.00	100	Vertical	Pass
6	16086.375	56.06	1.50	74.0	17.94	Peak	165.00	300	Vertical	Pass
6**	16086.375	45.99	1.50	54.0	8.01	AV	165.00	300	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

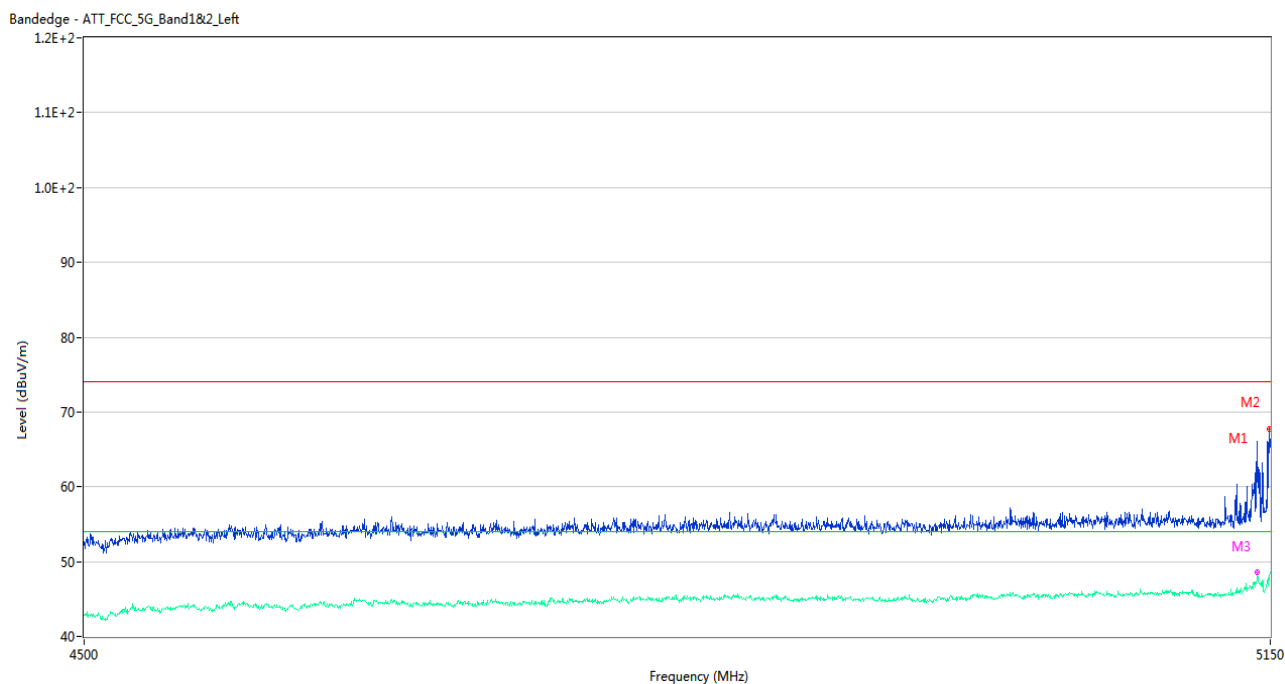
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass

U-NII-3	802.11ax(HE40) (SU)	Low	Pass
		High	Pass
	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
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
	802.11ax(HE40) (SU)	Low	Pass
		High	Pass

Note: All mode has been pre tested, only show worst data on this report.

Test Data and Plots

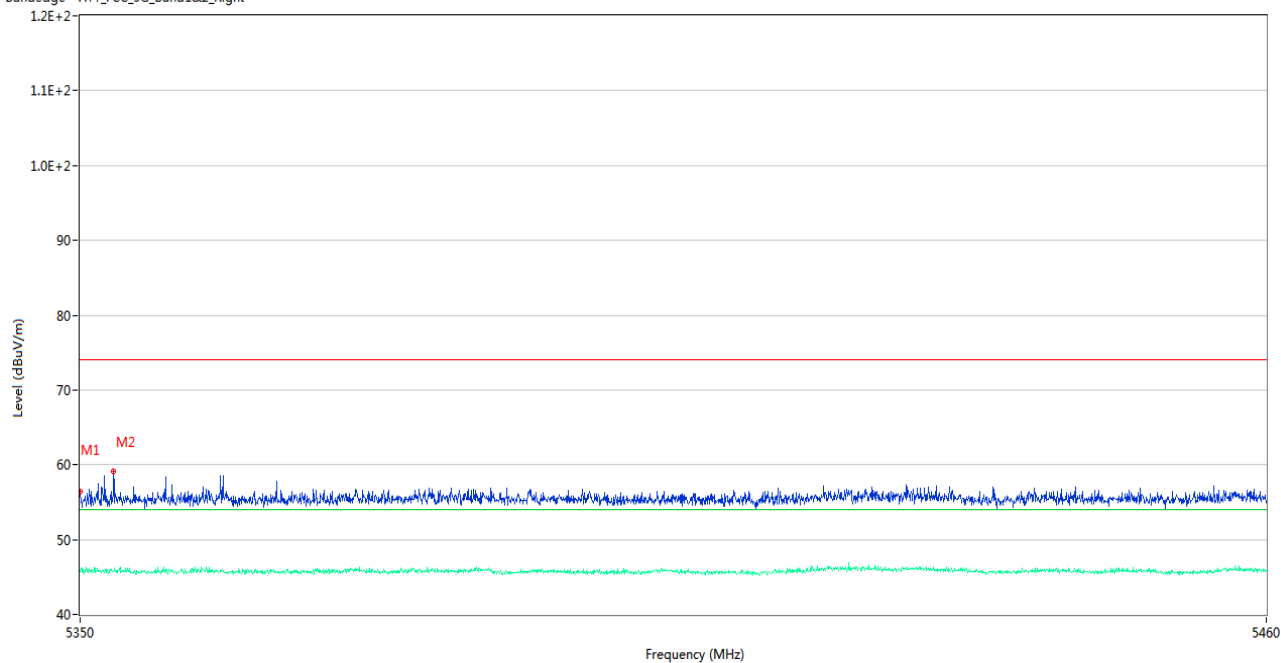
U-NII-1 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	67.66	2.07	74.0	6.34	Peak	94.00	200	Horizontal	Pass
1**	5149.675	47.93	2.07	54.0	6.07	AV	94.00	200	Horizontal	Pass
2	5149.675	67.66	2.07	74.0	6.34	Peak	94.00	150	Horizontal	Pass
2**	5149.675	47.93	2.07	54.0	6.07	AV	94.00	150	Horizontal	Pass
3	5142.525	61.23	2.44	74.0	12.77	Peak	124.00	150	Horizontal	Pass
3**	5142.525	48.56	2.44	54.0	5.44	AV	124.00	150	Horizontal	Pass

U-NII-1 11a High Channel

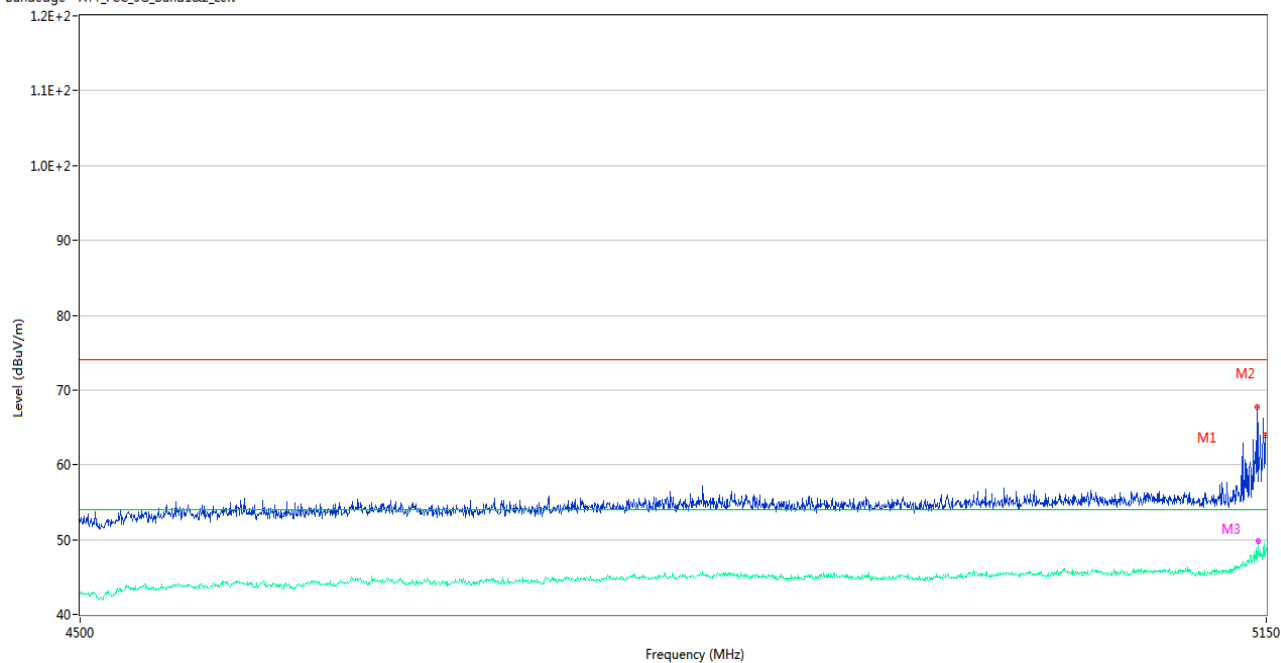
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.37	1.93	74.0	17.63	Peak	360.00	150	Horizontal	Pass
1**	5350.000	45.79	1.93	54.0	8.21	AV	360.00	150	Horizontal	Pass
2	5353.080	59.17	2.16	74.0	14.83	Peak	136.00	100	Horizontal	Pass
2**	5353.080	45.78	2.16	54.0	8.22	AV	136.00	100	Horizontal	Pass

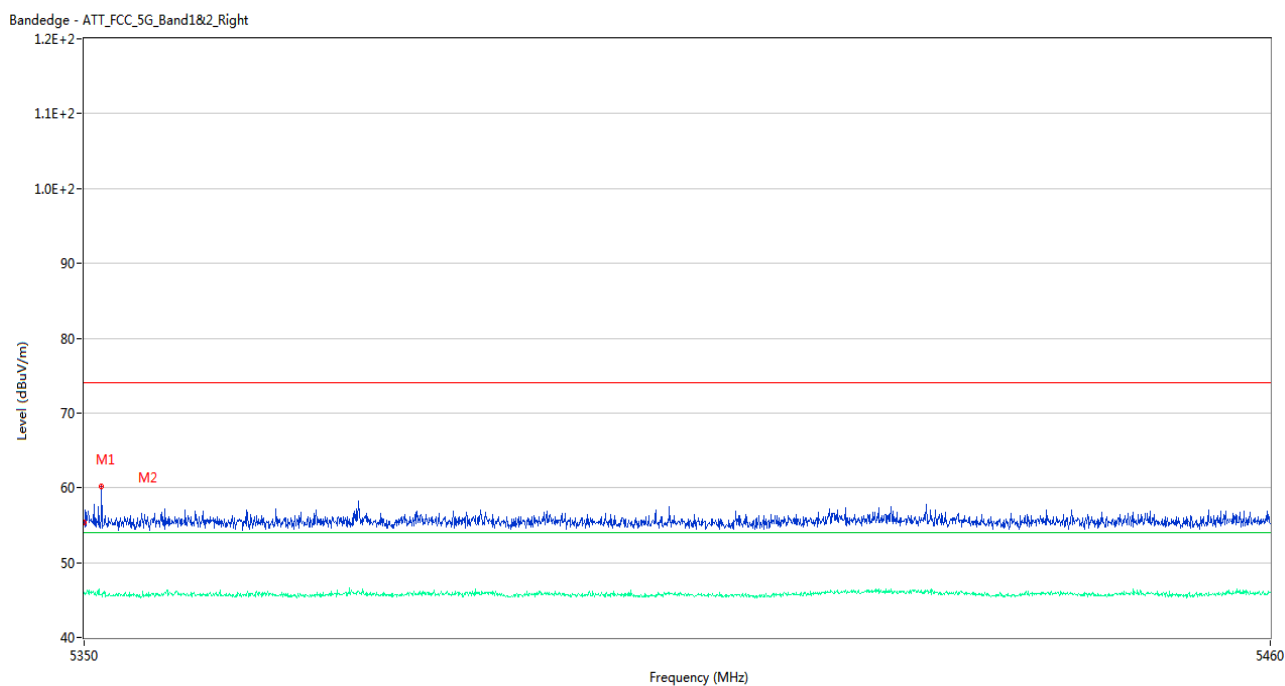
U-NII-1 11n20 Low Channel

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	5144.800	67.67	2.25	74.0	6.33	Peak	132.00	100	Horizontal	Pass
1**	5144.800	47.11	2.25	54.0	6.89	AV	132.00	100	Horizontal	Pass
2	5149.675	63.98	2.07	74.0	10.02	Peak	125.00	100	Horizontal	Pass
2**	5149.675	47.94	2.07	54.0	6.06	AV	125.00	100	Horizontal	Pass
3	5145.125	63.68	2.26	74.0	10.32	Peak	132.00	150	Horizontal	Pass
3**	5145.125	49.82	2.26	54.0	4.18	AV	132.00	150	Horizontal	Pass

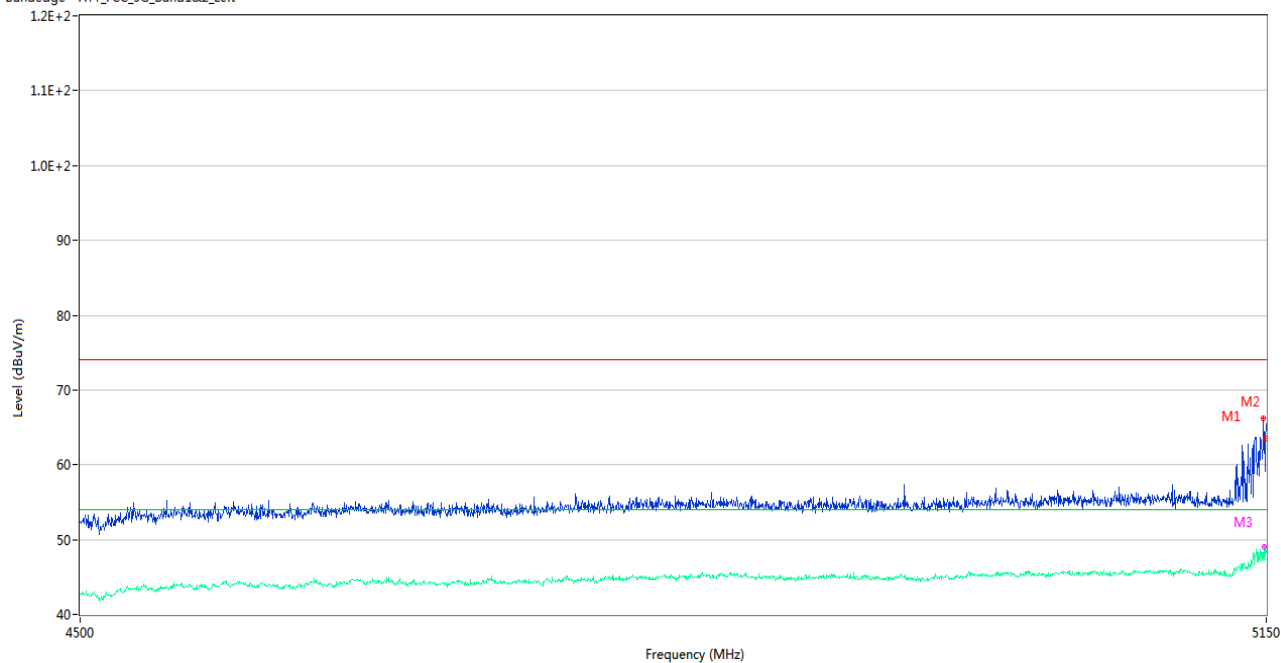
U-NII-1 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.42	1.93	74.0	18.58	Peak	115.00	200	Horizontal	Pass
1**	5350.000	45.96	1.93	54.0	8.04	AV	115.00	200	Horizontal	Pass
2	5351.595	60.17	1.98	74.0	13.83	Peak	125.00	150	Horizontal	Pass
2**	5351.595	45.67	1.98	54.0	8.33	AV	125.00	150	Horizontal	Pass

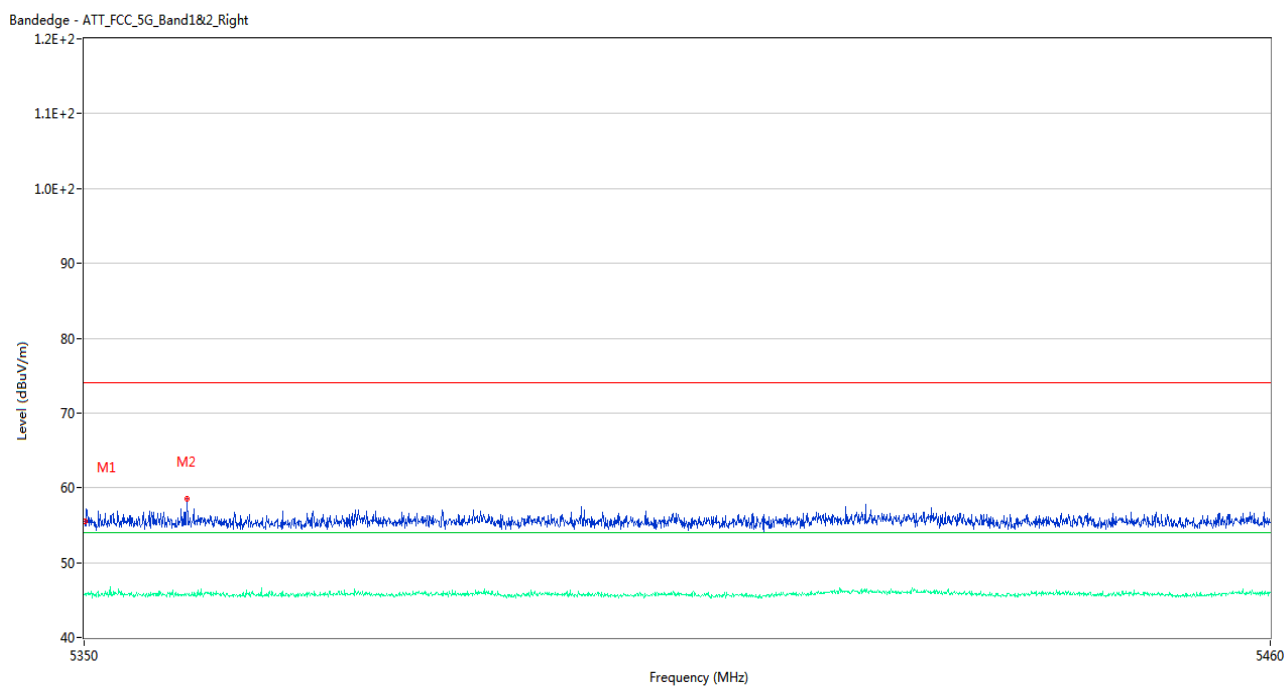
U-NII-1 11n40 Low Channel

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	5148.375	66.27	2.10	74.0	7.73	Peak	122.00	100	Horizontal	Pass
1**	5148.375	47.55	2.10	54.0	6.45	AV	122.00	100	Horizontal	Pass
2	5149.675	63.52	2.07	74.0	10.48	Peak	119.00	150	Horizontal	Pass
2**	5149.675	47.80	2.07	54.0	6.20	AV	119.00	150	Horizontal	Pass
3	5148.700	62.95	2.06	74.0	11.05	Peak	136.00	150	Horizontal	Pass
3**	5148.700	49.01	2.06	54.0	4.99	AV	136.00	150	Horizontal	Pass

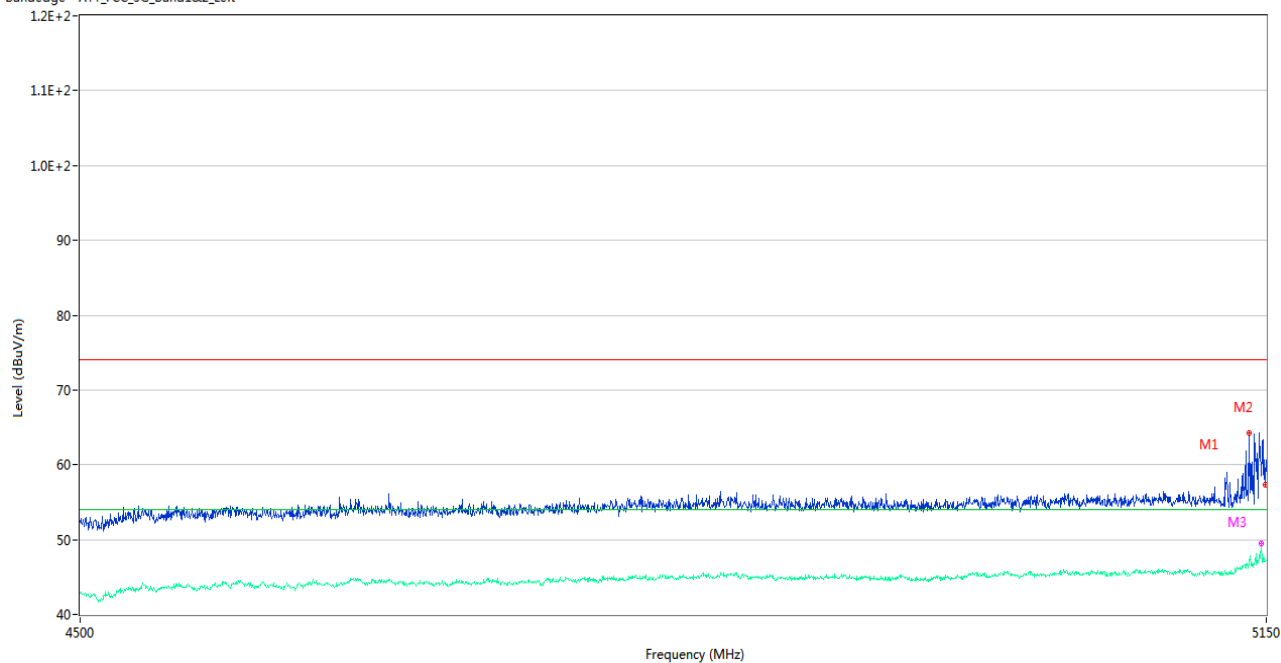
U-NII-1 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.54	1.93	74.0	18.46	Peak	122.00	200	Horizontal	Pass
1**	5350.055	45.68	1.93	54.0	8.32	AV	122.00	200	Horizontal	Pass
2	5359.460	58.49	2.23	74.0	15.51	Peak	205.00	100	Horizontal	Pass
2**	5359.460	45.85	2.23	54.0	8.15	AV	205.00	100	Horizontal	Pass

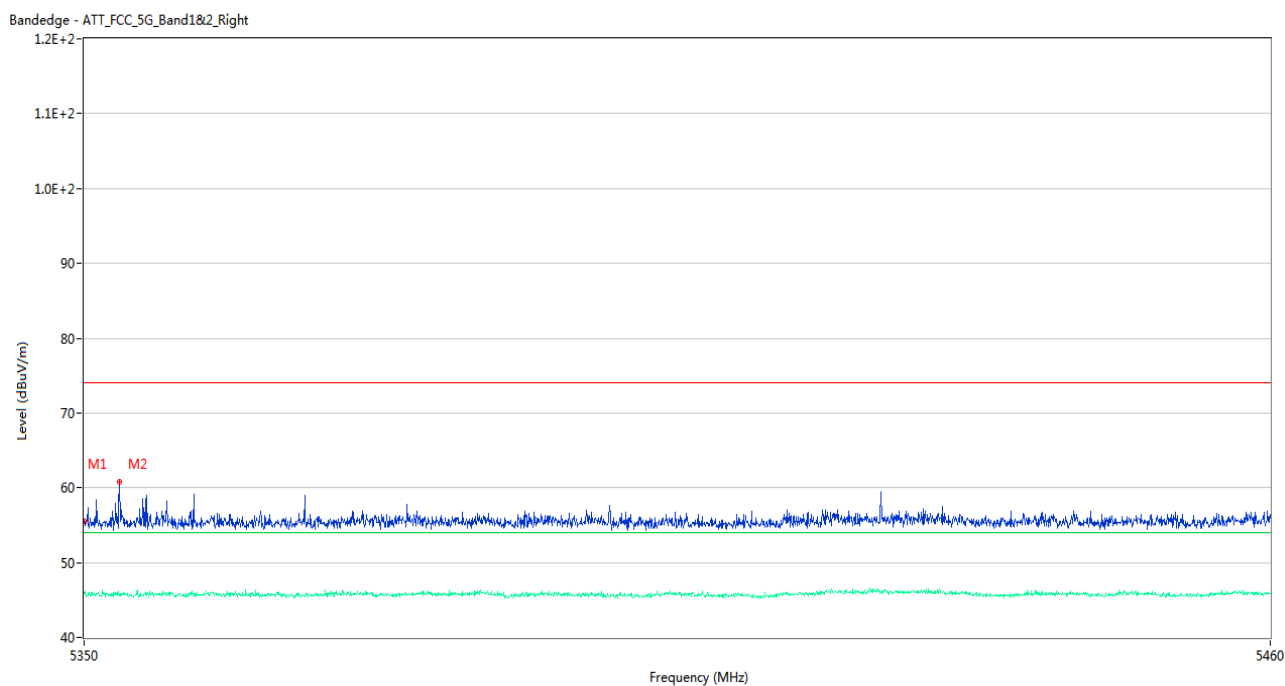
U-NII-1 11ac20 Low Channel

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	5140.250	64.32	2.36	74.0	9.68	Peak	106.00	200	Horizontal	Pass
1**	5140.250	46.88	2.36	54.0	7.12	AV	106.00	200	Horizontal	Pass
2	5149.675	57.25	2.07	74.0	16.75	Peak	27.00	200	Horizontal	Pass
2**	5149.675	47.12	2.07	54.0	6.88	AV	27.00	200	Horizontal	Pass
3	5147.075	58.58	2.27	74.0	15.42	Peak	160.00	150	Horizontal	Pass
3**	5147.075	49.46	2.27	54.0	4.54	AV	160.00	150	Horizontal	Pass

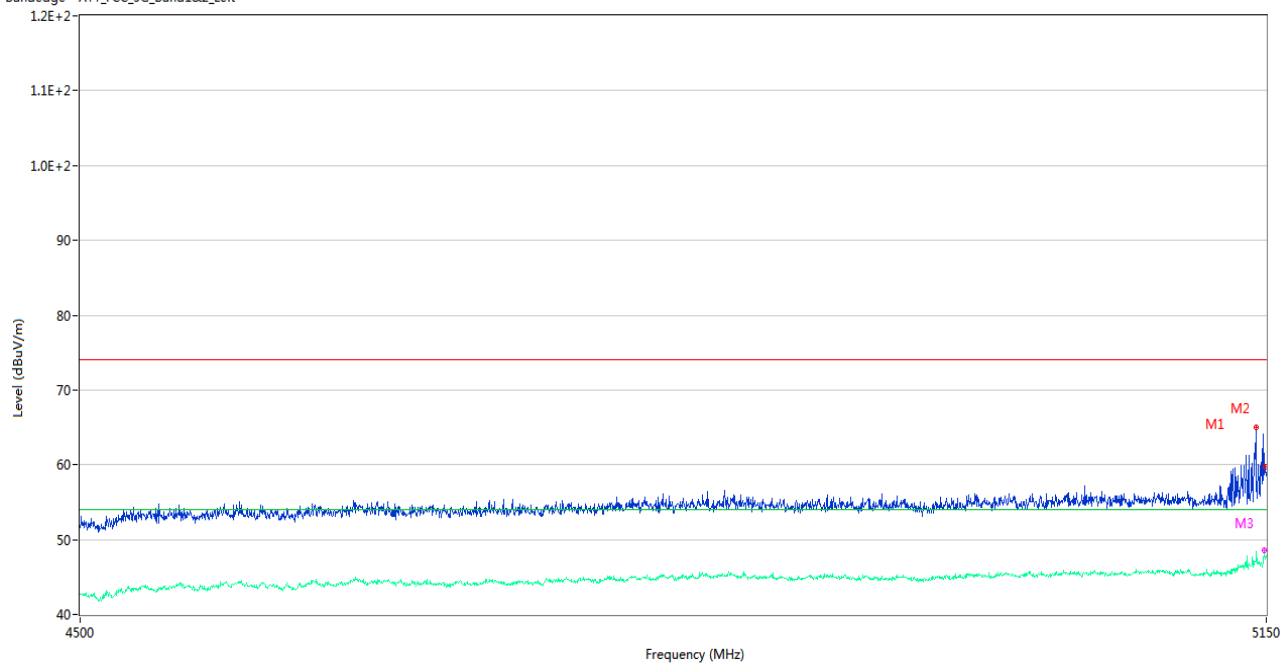
U-NII-1 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.52	1.93	74.0	18.48	Peak	323.00	100	Horizontal	Pass
1**	5350.000	45.82	1.93	54.0	8.18	AV	323.00	100	Horizontal	Pass
2	5353.245	60.81	2.15	74.0	13.19	Peak	108.00	150	Horizontal	Pass
2**	5353.245	45.54	2.15	54.0	8.46	AV	108.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel

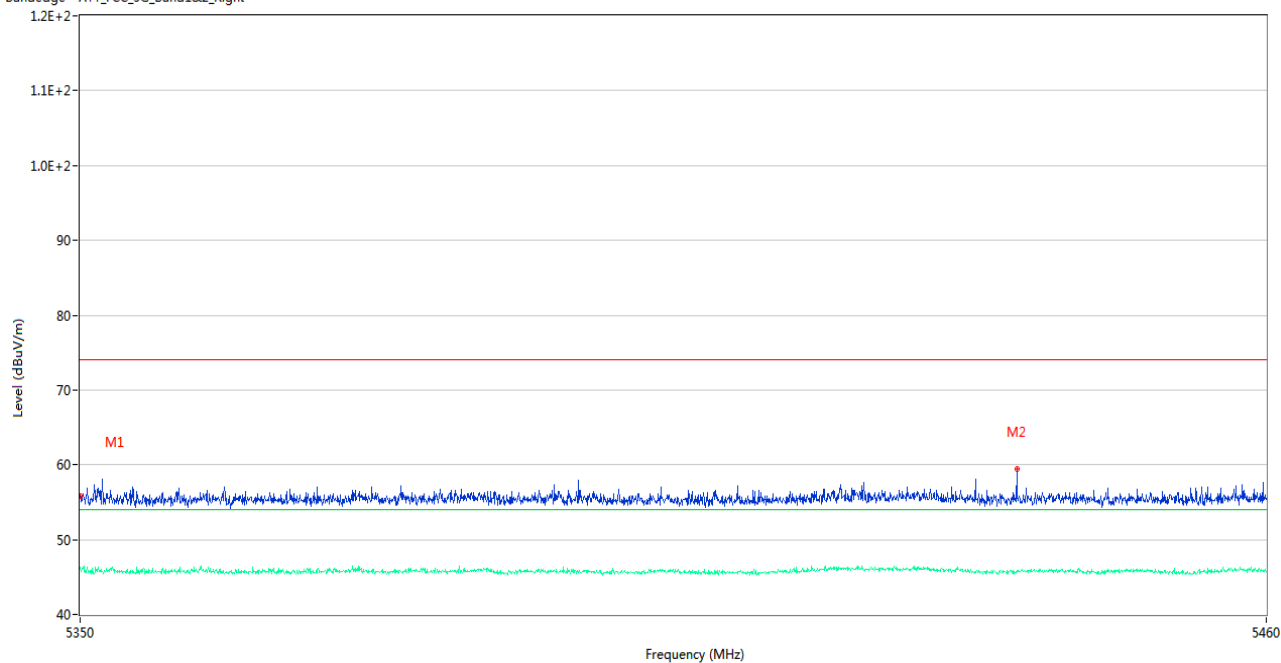
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5143.825	64.94	2.34	74.0	9.06	Peak	137.00	100	Horizontal	Pass
1**	5143.825	47.12	2.34	54.0	6.88	AV	137.00	100	Horizontal	Pass
2	5149.675	59.74	2.07	74.0	14.26	Peak	111.00	150	Horizontal	Pass
2**	5149.675	47.44	2.07	54.0	6.56	AV	111.00	150	Horizontal	Pass
3	5148.700	59.27	2.06	74.0	14.73	Peak	91.00	150	Horizontal	Pass
3**	5148.700	48.64	2.06	54.0	5.36	AV	91.00	150	Horizontal	Pass

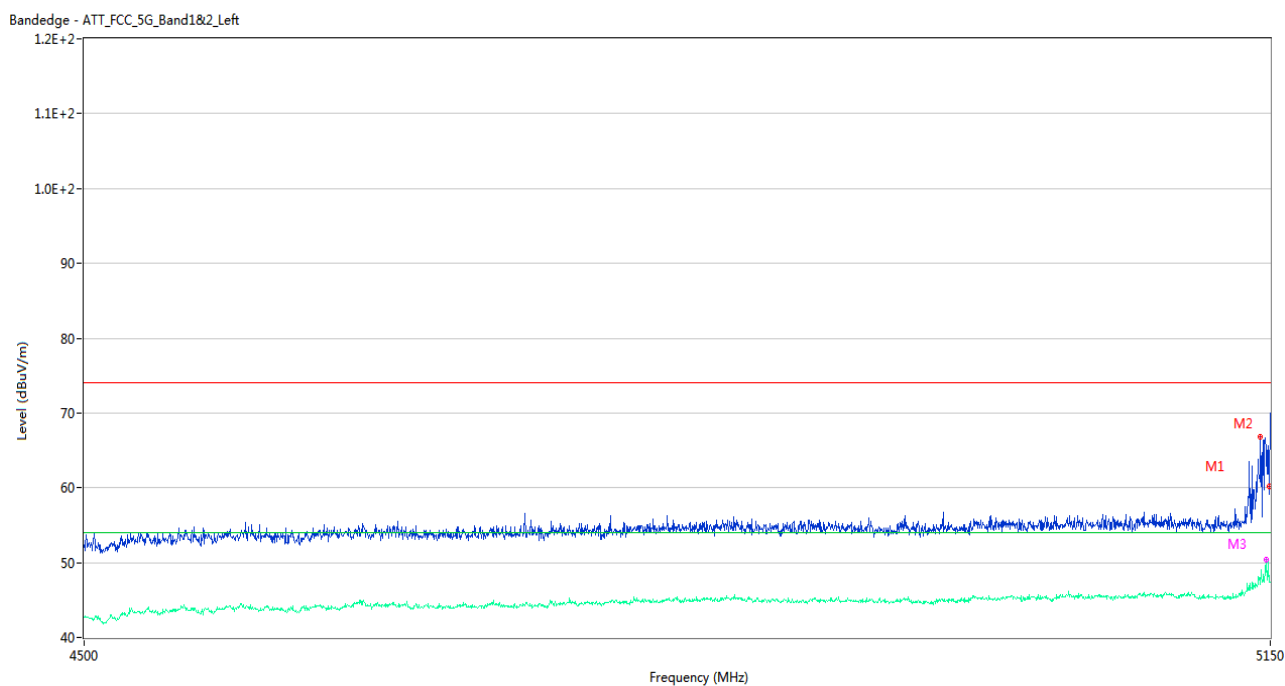
U-NII-1 11ac40 High Channel

Bandedge - ATT_FCC_5G_Band1&2_Right



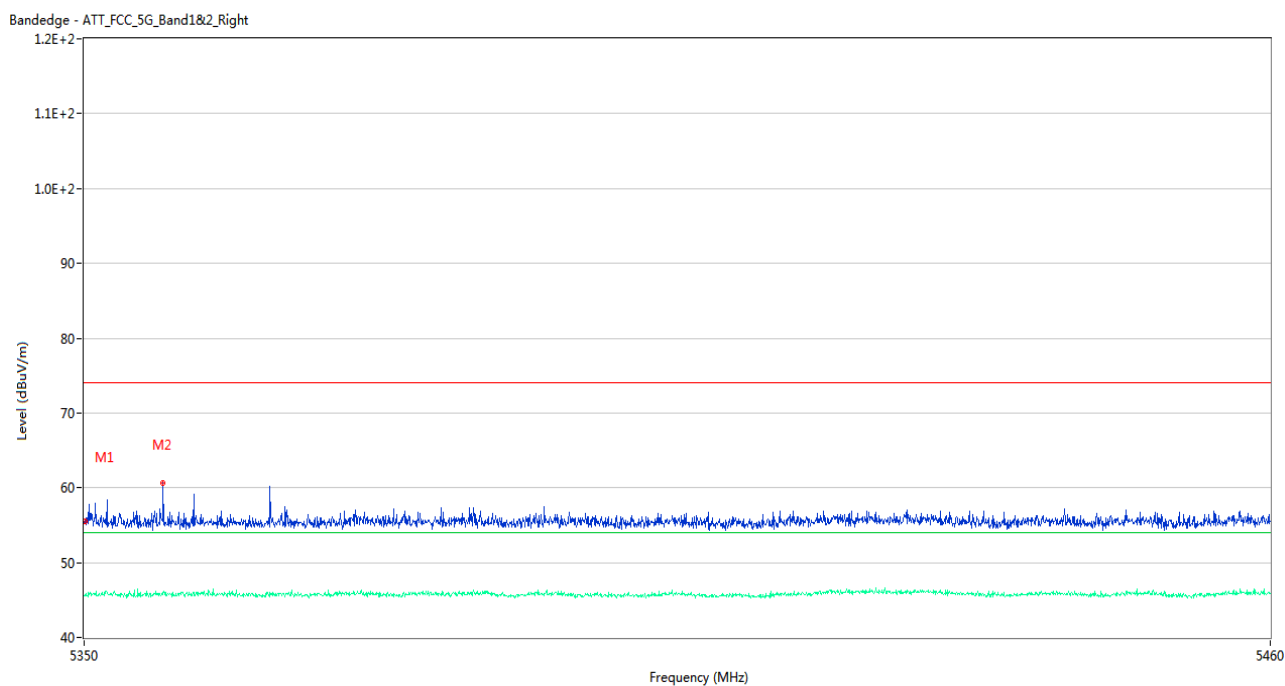
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.79	1.93	74.0	18.21	Peak	132.00	150	Horizontal	Pass
1**	5350.000	46.32	1.93	54.0	7.68	AV	132.00	150	Horizontal	Pass
2	5436.680	59.38	2.15	74.0	14.62	Peak	116.00	100	Horizontal	Pass
2**	5436.680	45.80	2.15	54.0	8.20	AV	116.00	100	Horizontal	Pass

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



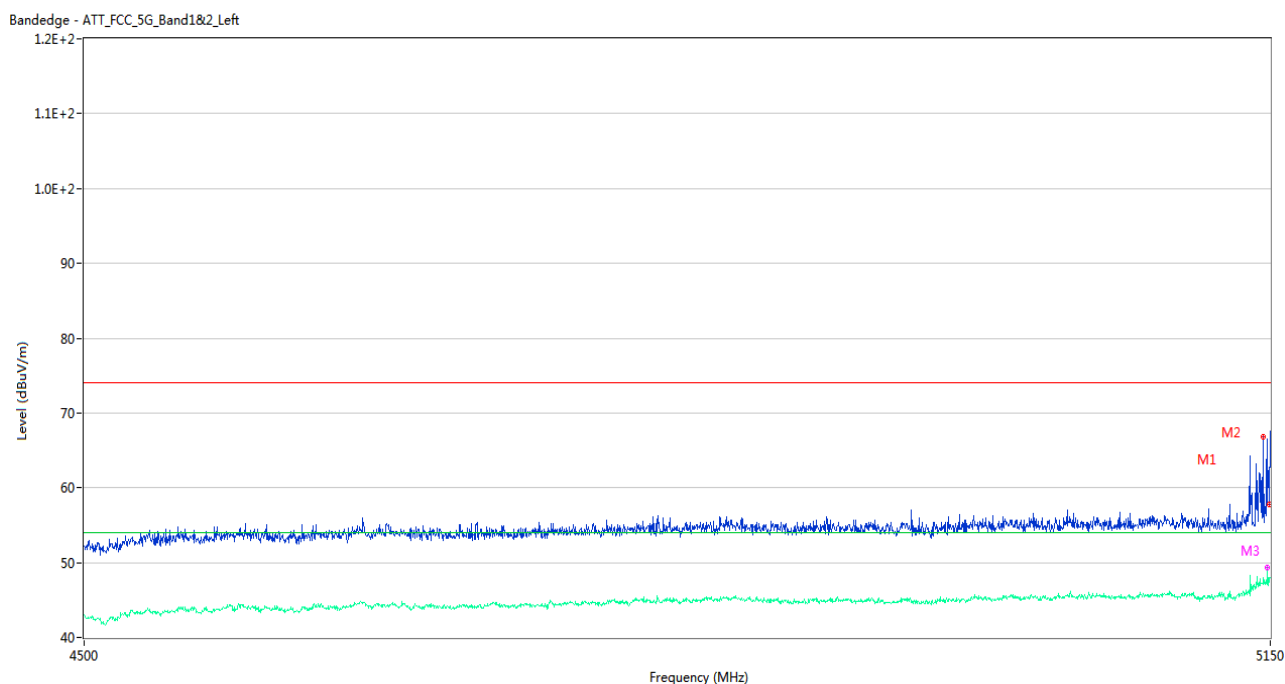
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5144.150	66.78	2.31	74.0	7.22	Peak	133.00	150	Horizontal	Pass
1**	5144.150	47.03	2.31	54.0	6.97	AV	133.00	150	Horizontal	Pass
2	5149.675	60.25	2.07	74.0	13.75	Peak	10.00	200	Horizontal	Pass
2**	5149.675	47.34	2.07	54.0	6.66	AV	10.00	200	Horizontal	Pass
3	5147.400	65.12	2.23	74.0	8.88	Peak	137.00	150	Horizontal	Pass
3**	5147.400	50.34	2.23	54.0	3.66	AV	137.00	150	Horizontal	Pass

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



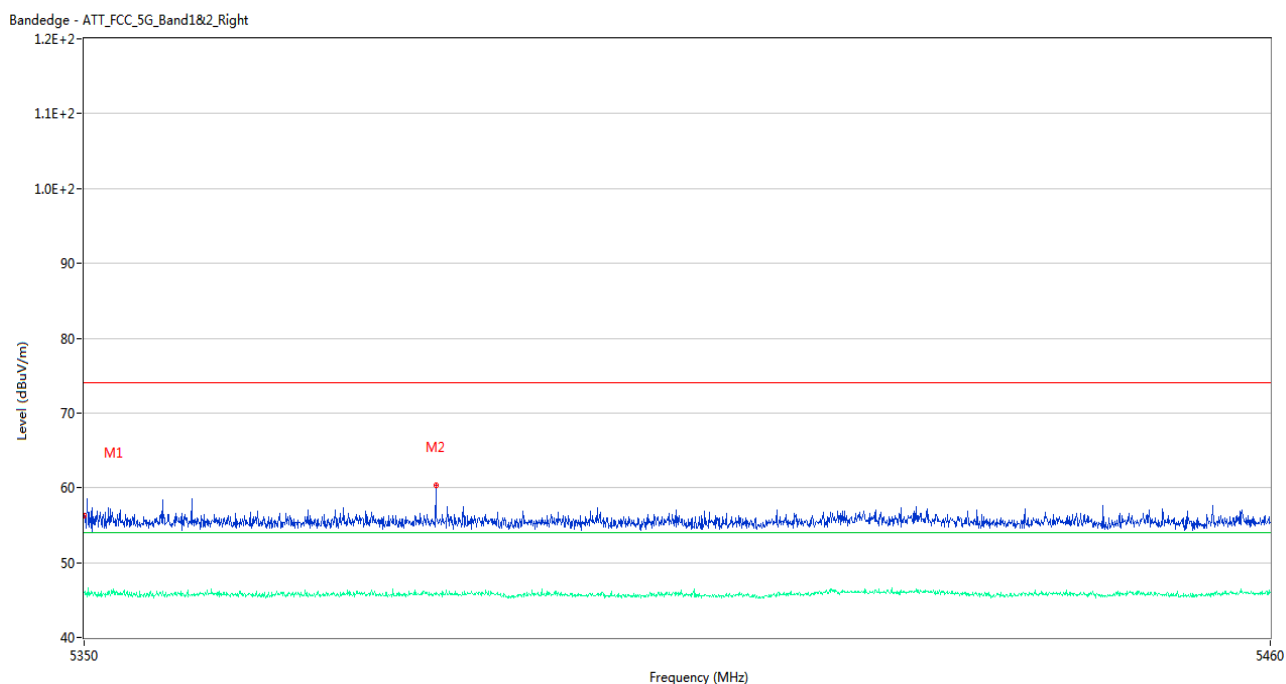
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.59	1.93	74.0	18.41	Peak	285.00	100	Horizontal	Pass
1**	5350.055	45.69	1.93	54.0	8.31	AV	285.00	100	Horizontal	Pass
2	5357.260	60.71	2.20	74.0	13.29	Peak	121.00	150	Horizontal	Pass
2**	5357.260	45.79	2.20	54.0	8.21	AV	121.00	150	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.775	66.87	2.27	74.0	7.13	Peak	90.00	200	Horizontal	Pass
1**	5145.775	47.10	2.27	54.0	6.90	AV	90.00	200	Horizontal	Pass
2	5149.675	57.81	2.07	74.0	16.19	Peak	99.00	150	Horizontal	Pass
2**	5149.675	48.01	2.07	54.0	5.99	AV	99.00	150	Horizontal	Pass
3	5148.375	57.69	2.10	74.0	16.31	Peak	93.00	150	Horizontal	Pass
3**	5148.375	49.36	2.10	54.0	4.64	AV	93.00	150	Horizontal	Pass

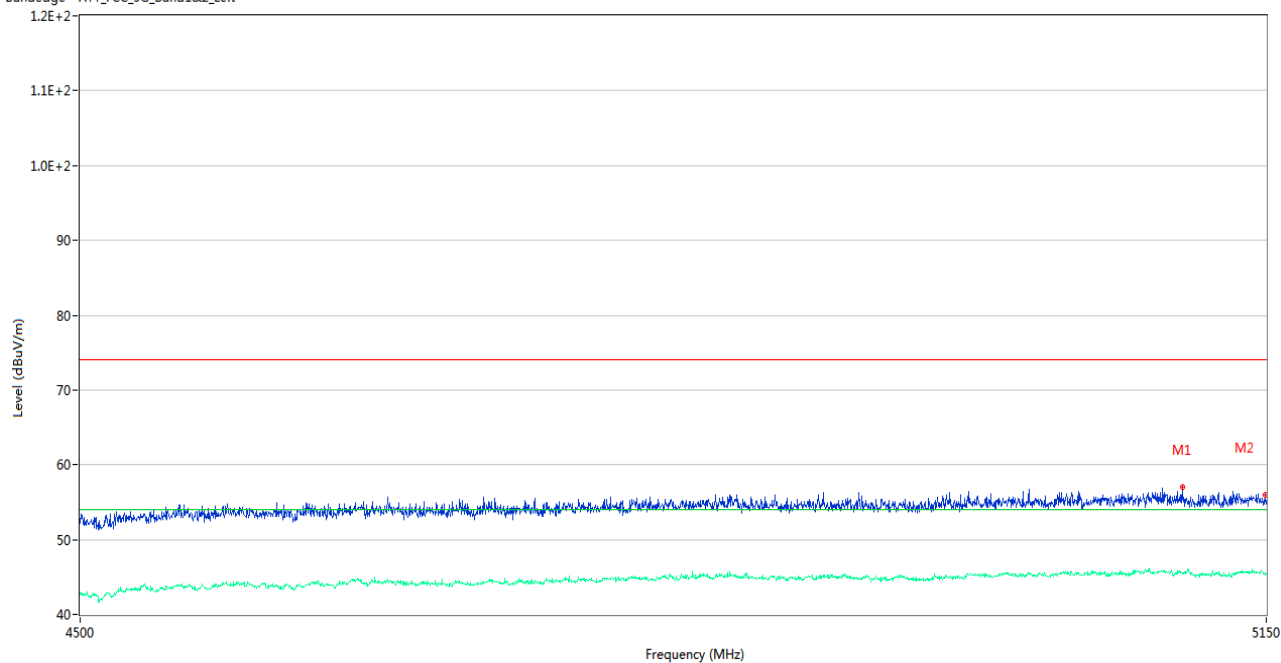
U-NII-1 11ax40 (SU) High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.32	1.93	74.0	17.68	Peak	128.00	200	Horizontal	Pass
1**	5350.000	46.05	1.93	54.0	7.95	AV	128.00	200	Horizontal	Pass
2	5382.395	60.40	2.19	74.0	13.60	Peak	128.00	150	Horizontal	Pass
2**	5382.395	45.72	2.19	54.0	8.28	AV	128.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel

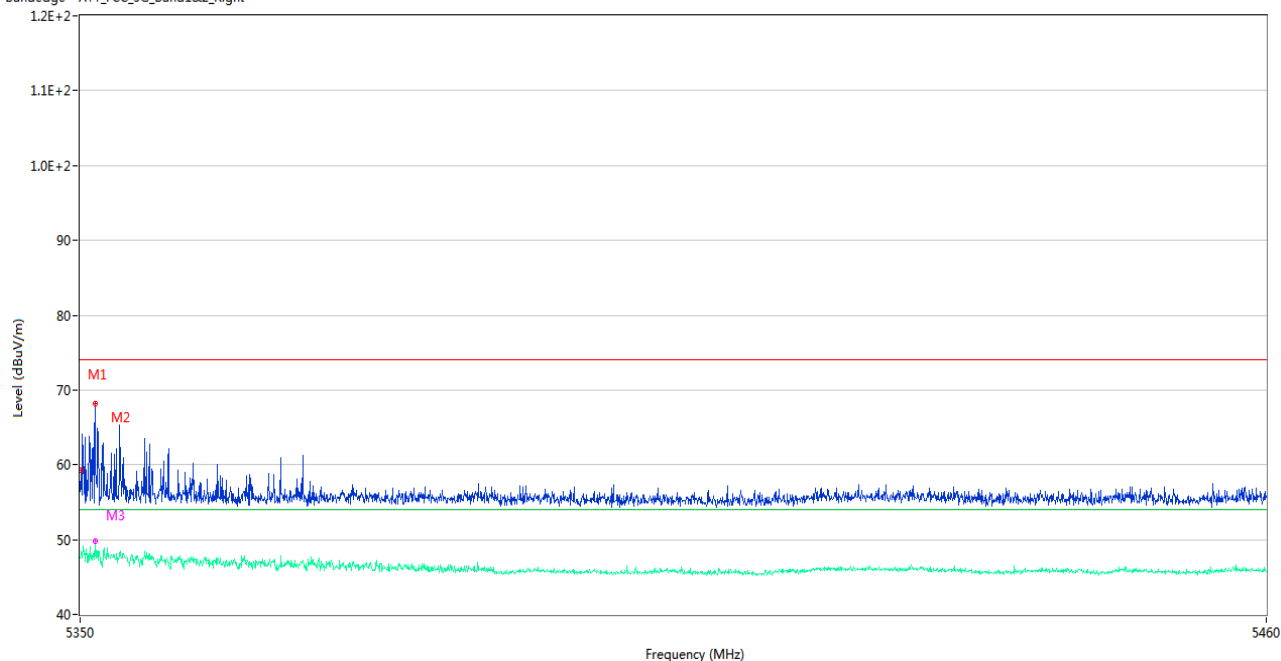
Bandedge - ATT_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5100.925	57.03	2.36	74.0	16.97	Peak	113.00	200	Horizontal	Pass
1**	5100.925	45.64	2.36	54.0	8.36	AV	113.00	200	Horizontal	Pass
2	5149.675	55.92	2.07	74.0	18.08	Peak	174.00	150	Horizontal	Pass
2**	5149.675	45.32	2.07	54.0	8.68	AV	174.00	150	Horizontal	Pass

U-NII-2A 11a High Channel

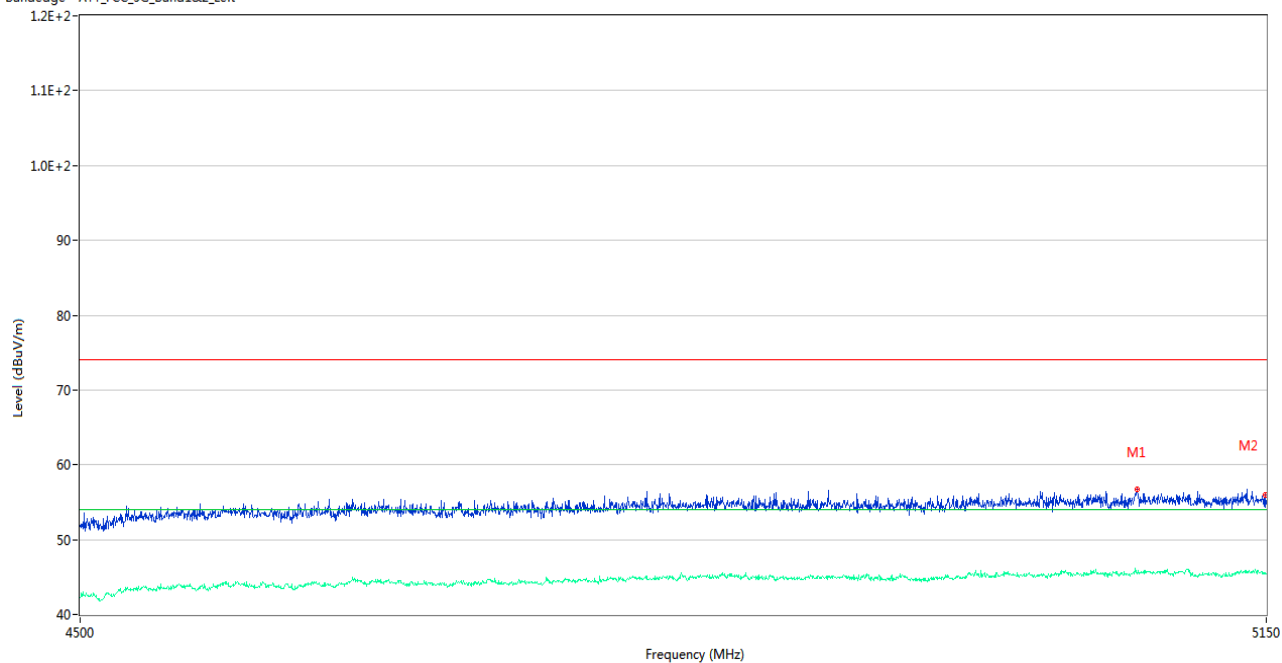
Bandedge - ATT_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	59.35	1.93	74.0	14.65	Peak	123.00	150	Horizontal	Pass
1**	5350.055	47.95	1.93	54.0	6.05	AV	123.00	150	Horizontal	Pass
2	5351.375	68.20	1.95	74.0	5.80	Peak	128.00	100	Horizontal	Pass
2**	5351.375	48.20	1.95	54.0	5.80	AV	128.00	100	Horizontal	Pass
3	5351.430	59.50	1.96	74.0	14.50	Peak	115.00	150	Horizontal	Pass
3**	5351.430	49.76	1.96	54.0	4.24	AV	115.00	150	Horizontal	Pass

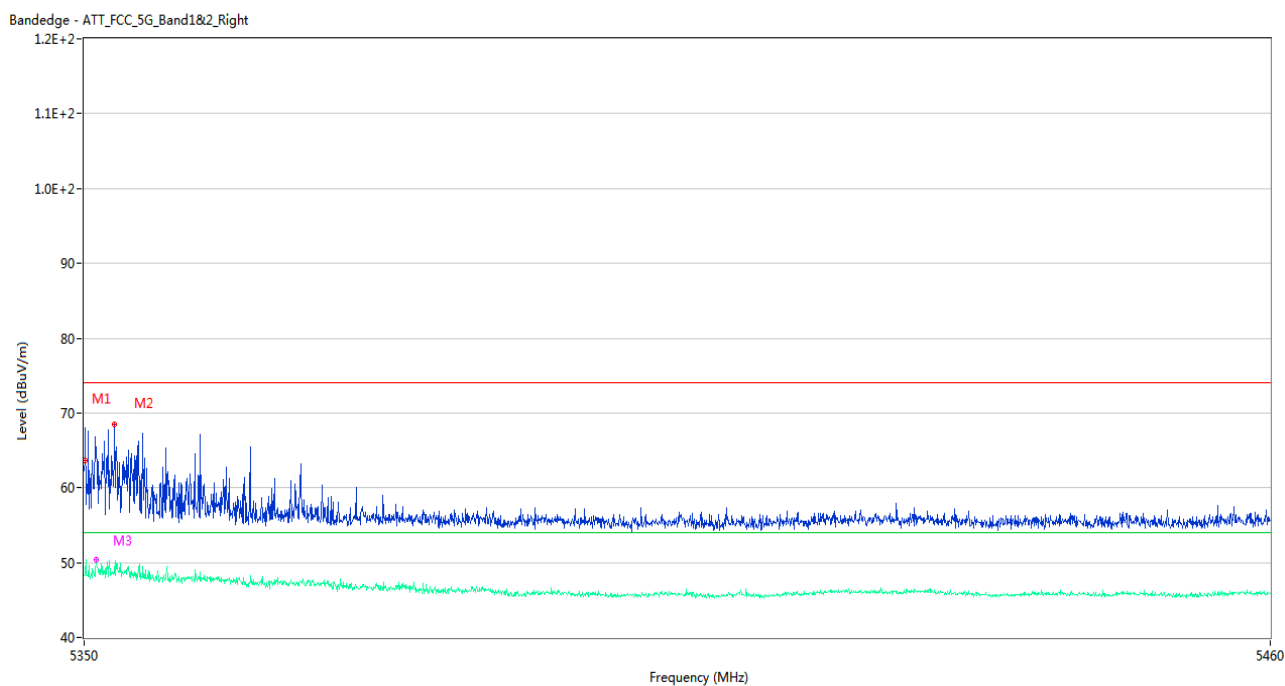
U-NII-2A 11n20 Low Channel

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	5074.925	56.76	2.33	74.0	17.24	Peak	214.00	150	Horizontal	Pass
1**	5074.925	45.45	2.33	54.0	8.55	AV	214.00	150	Horizontal	Pass
2	5149.675	55.98	2.07	74.0	18.02	Peak	360.00	200	Horizontal	Pass
2**	5149.675	45.53	2.07	54.0	8.47	AV	360.00	200	Horizontal	Pass

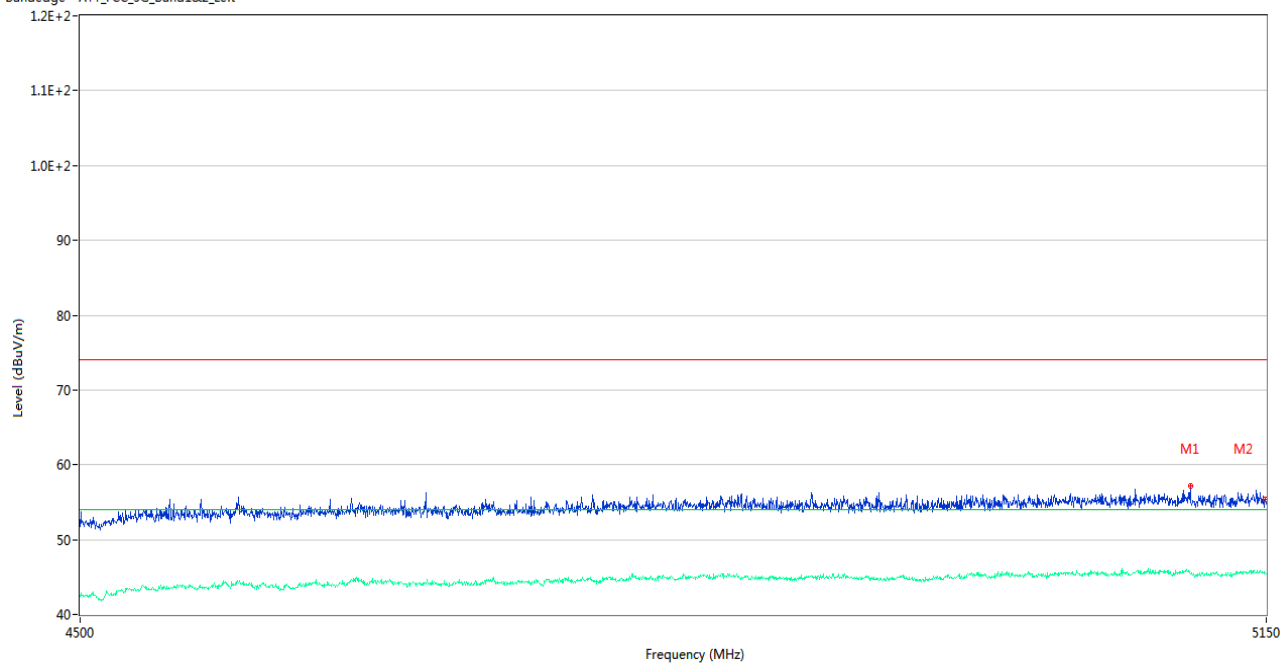
U-NII-2A 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	63.65	1.93	74.0	10.35	Peak	127.00	150	Horizontal	Pass
1**	5350.055	48.47	1.93	54.0	5.53	AV	127.00	150	Horizontal	Pass
2	5352.805	68.43	2.14	74.0	5.57	Peak	121.00	100	Horizontal	Pass
2**	5352.805	48.70	2.14	54.0	5.30	AV	121.00	100	Horizontal	Pass
3	5351.100	65.09	1.91	74.0	8.91	Peak	134.00	150	Horizontal	Pass
3**	5351.100	50.41	1.91	54.0	3.59	AV	134.00	150	Horizontal	Pass

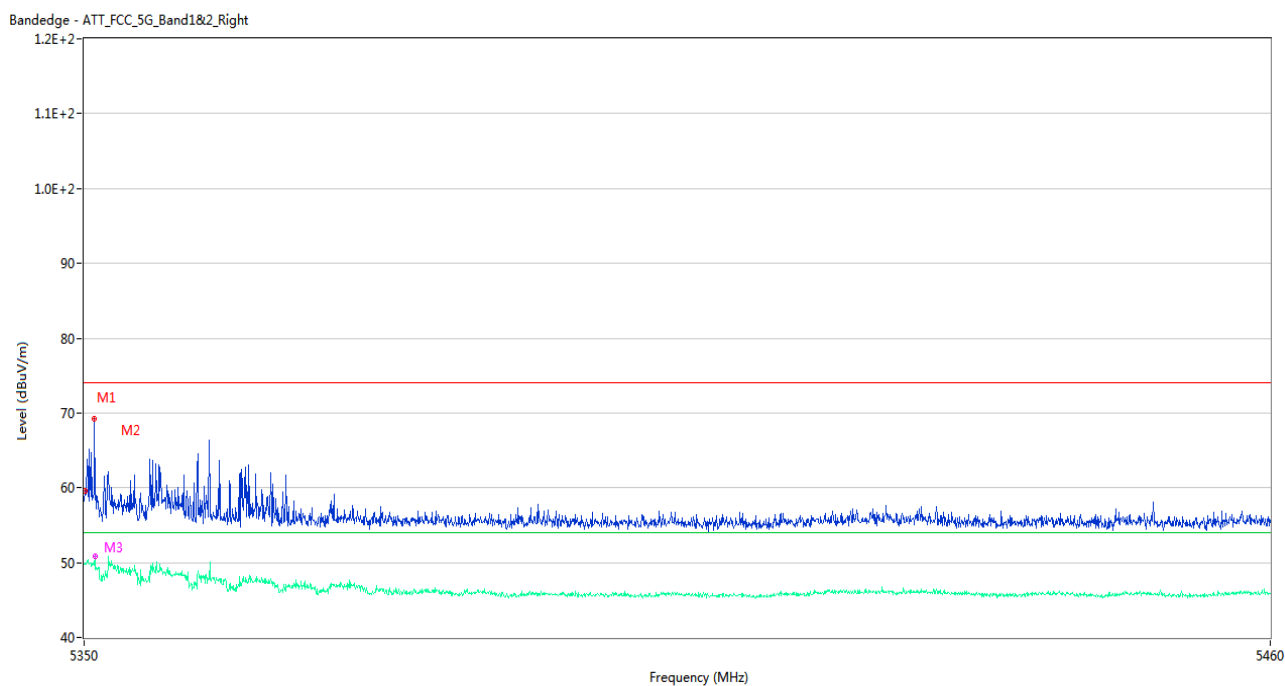
U-NII-2A 11n40 Low Channel

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	5105.800	57.20	2.25	74.0	16.80	Peak	69.00	200	Horizontal	Pass
1**	5105.800	45.45	2.25	54.0	8.55	AV	69.00	200	Horizontal	Pass
2	5149.675	55.36	2.07	74.0	18.64	Peak	115.00	150	Horizontal	Pass
2**	5149.675	45.53	2.07	54.0	8.47	AV	115.00	150	Horizontal	Pass

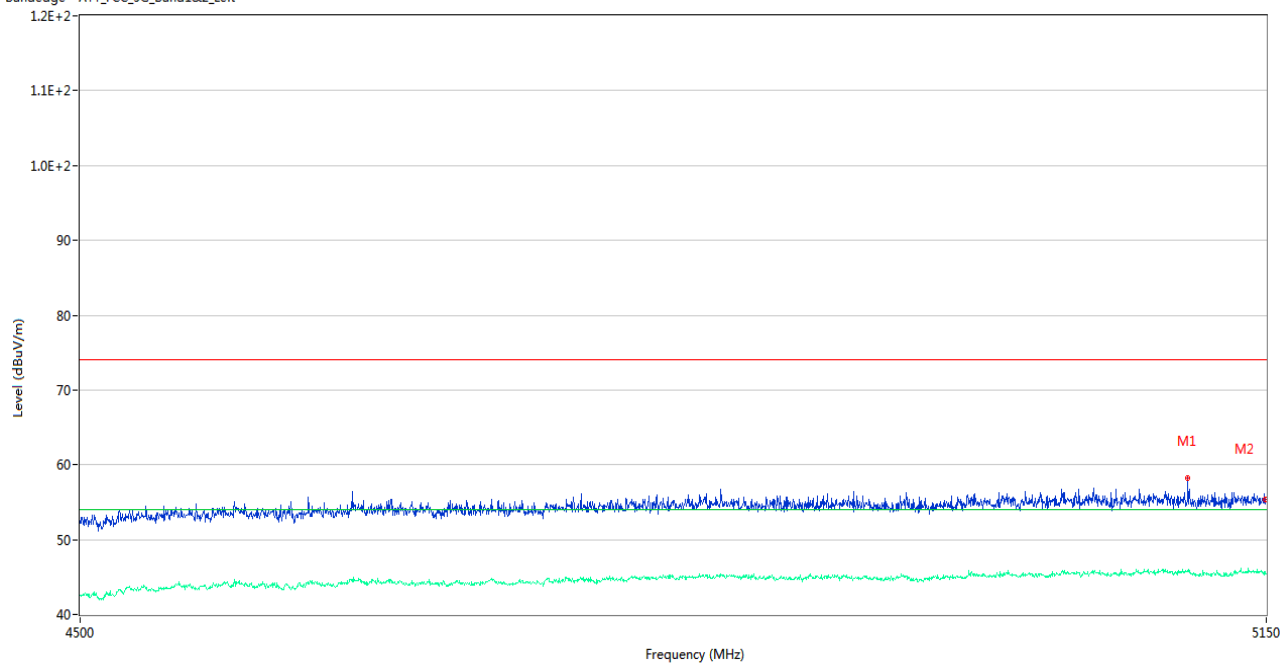
U-NII-2A 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	59.58	1.93	74.0	14.42	Peak	123.00	200	Horizontal	Pass
1**	5350.055	49.73	1.93	54.0	4.27	AV	123.00	200	Horizontal	Pass
2	5350.935	69.16	1.89	74.0	4.84	Peak	120.00	100	Horizontal	Pass
2**	5350.935	49.77	1.89	54.0	4.23	AV	120.00	100	Horizontal	Pass
3	5350.990	58.78	1.90	74.0	15.22	Peak	113.00	150	Horizontal	Pass
3**	5350.990	50.86	1.90	54.0	3.14	AV	113.00	150	Horizontal	Pass

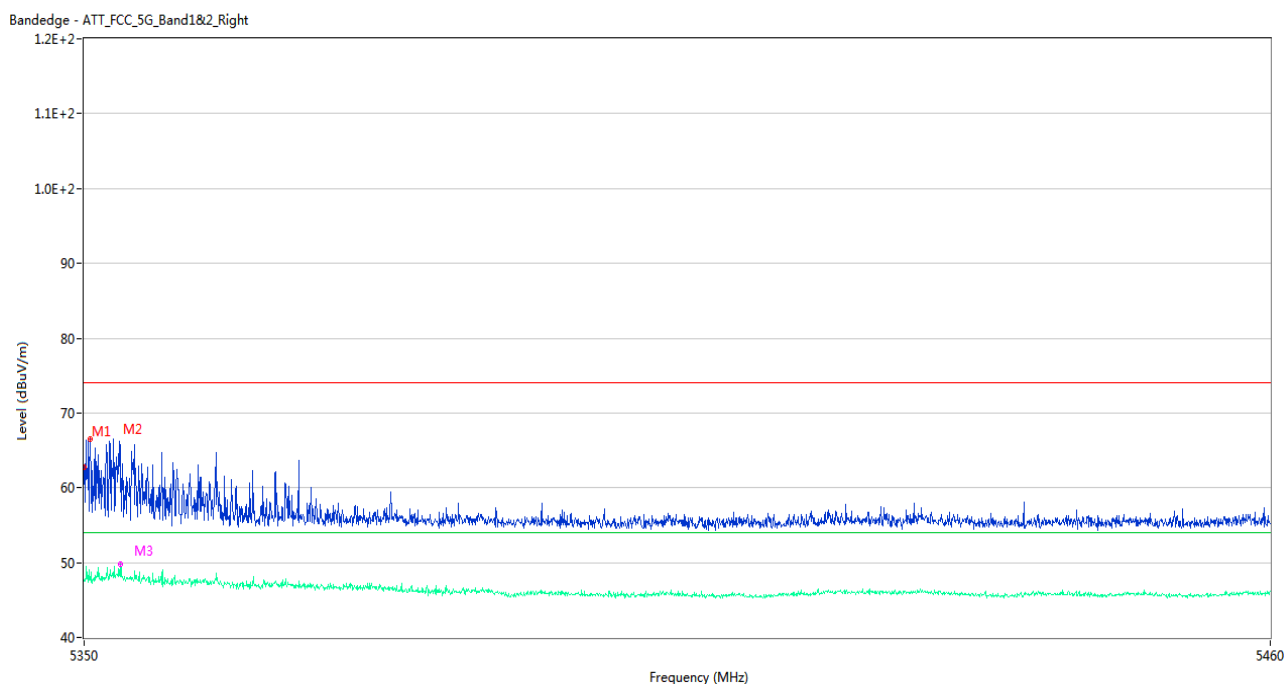
U-NII-2A 11ac20 Low Channel

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	5104.175	58.17	2.54	74.0	15.83	Peak	320.00	100	Horizontal	Pass
1**	5104.175	45.78	2.54	54.0	8.22	AV	320.00	100	Horizontal	Pass
2	5149.675	55.31	2.07	74.0	18.69	Peak	8.00	100	Horizontal	Pass
2**	5149.675	45.42	2.07	54.0	8.58	AV	8.00	100	Horizontal	Pass

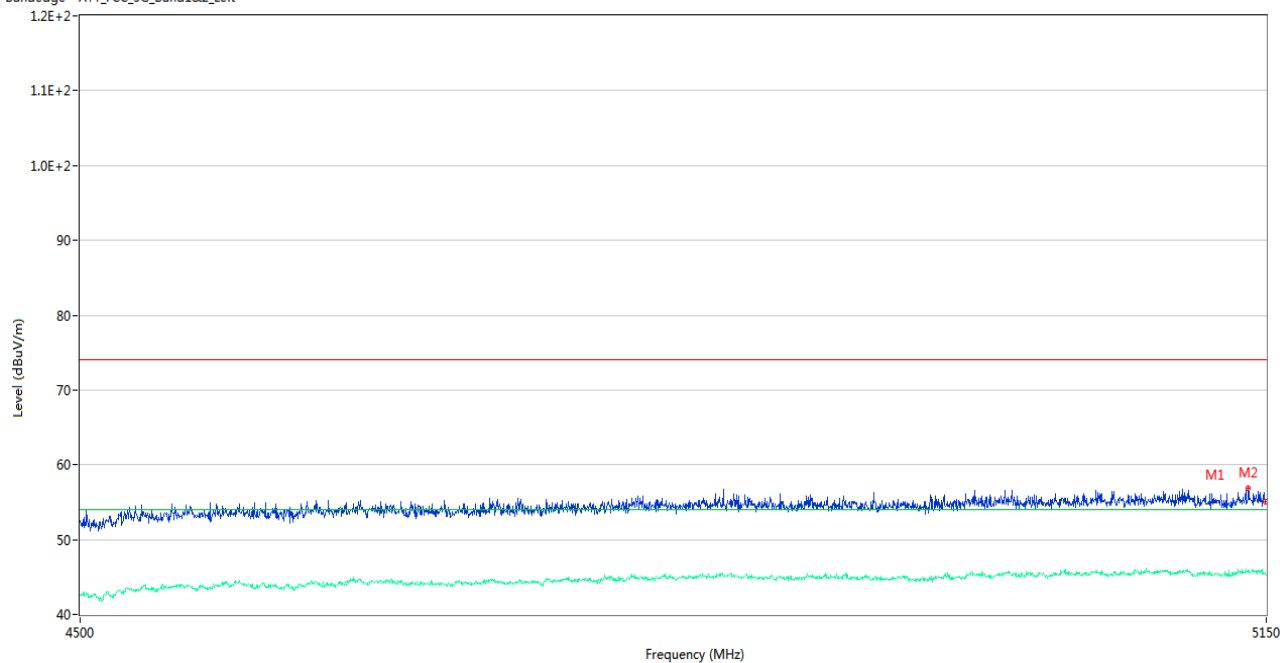
U-NII-2A 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	62.72	1.93	74.0	11.28	Peak	3.00	200	Horizontal	Pass
1**	5350.000	47.58	1.93	54.0	6.42	AV	3.00	200	Horizontal	Pass
2	5350.550	66.53	1.90	74.0	7.47	Peak	122.00	150	Horizontal	Pass
2**	5350.550	47.65	1.90	54.0	6.35	AV	122.00	150	Horizontal	Pass
3	5353.300	59.38	2.15	74.0	14.62	Peak	208.00	150	Horizontal	Pass
3**	5353.300	49.84	2.15	54.0	4.16	AV	208.00	150	Horizontal	Pass

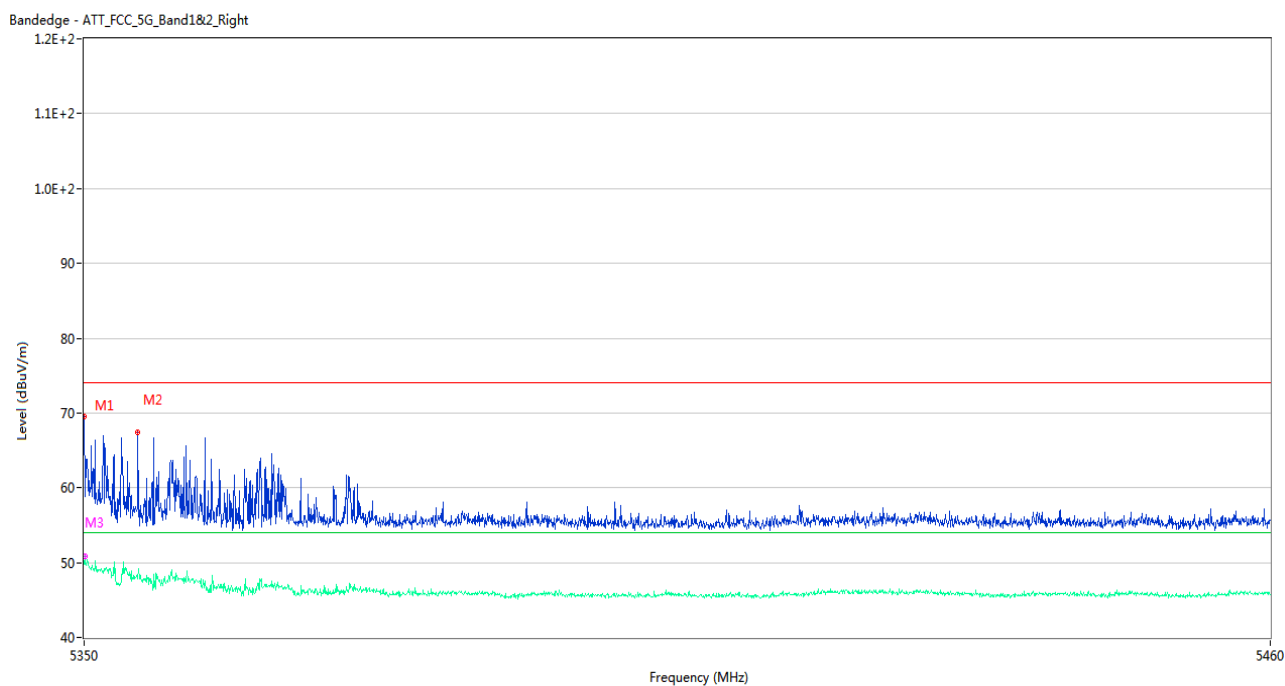
U-NII-2A 11ac40 Low Channel

Bandedge - ATT_FCC_5G_Band1&2_Left



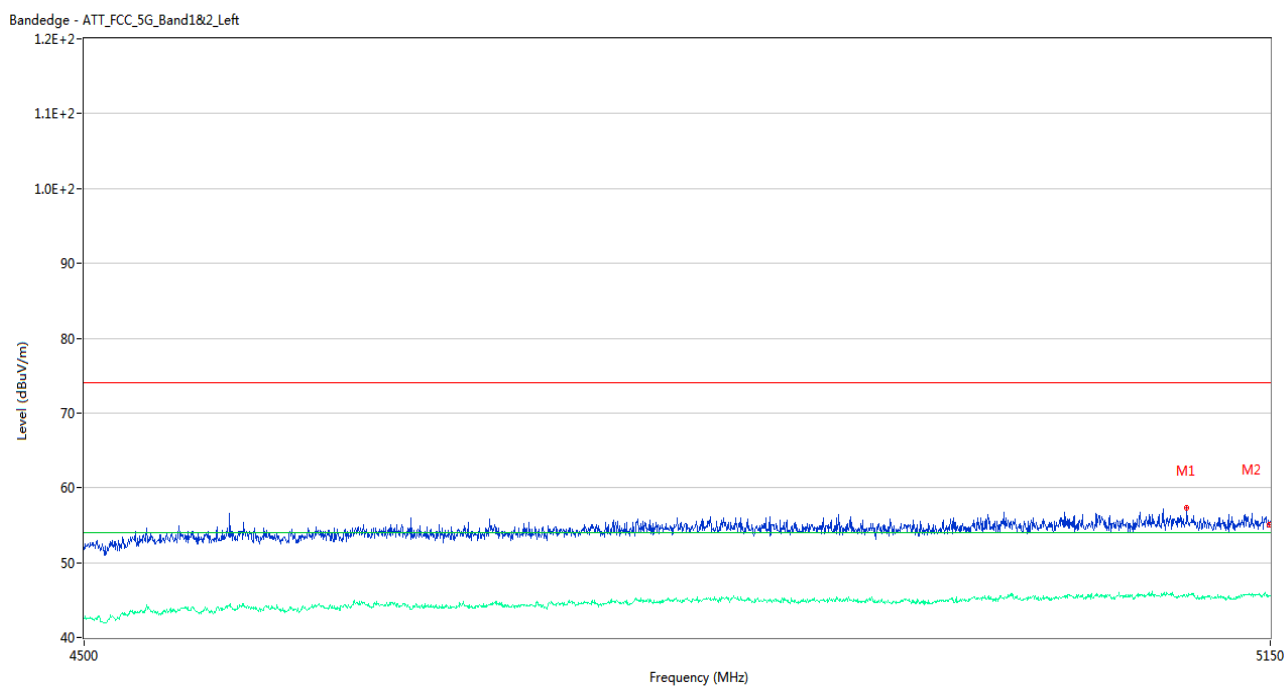
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5139.600	56.91	2.37	74.0	17.09	Peak	89.00	150	Horizontal	Pass
1**	5139.600	45.68	2.37	54.0	8.32	AV	89.00	150	Horizontal	Pass
2	5149.675	55.12	2.07	74.0	18.88	Peak	149.00	150	Horizontal	Pass
2**	5149.675	45.64	2.07	54.0	8.36	AV	149.00	150	Horizontal	Pass

U-NII-2A 11ac40 High Channel



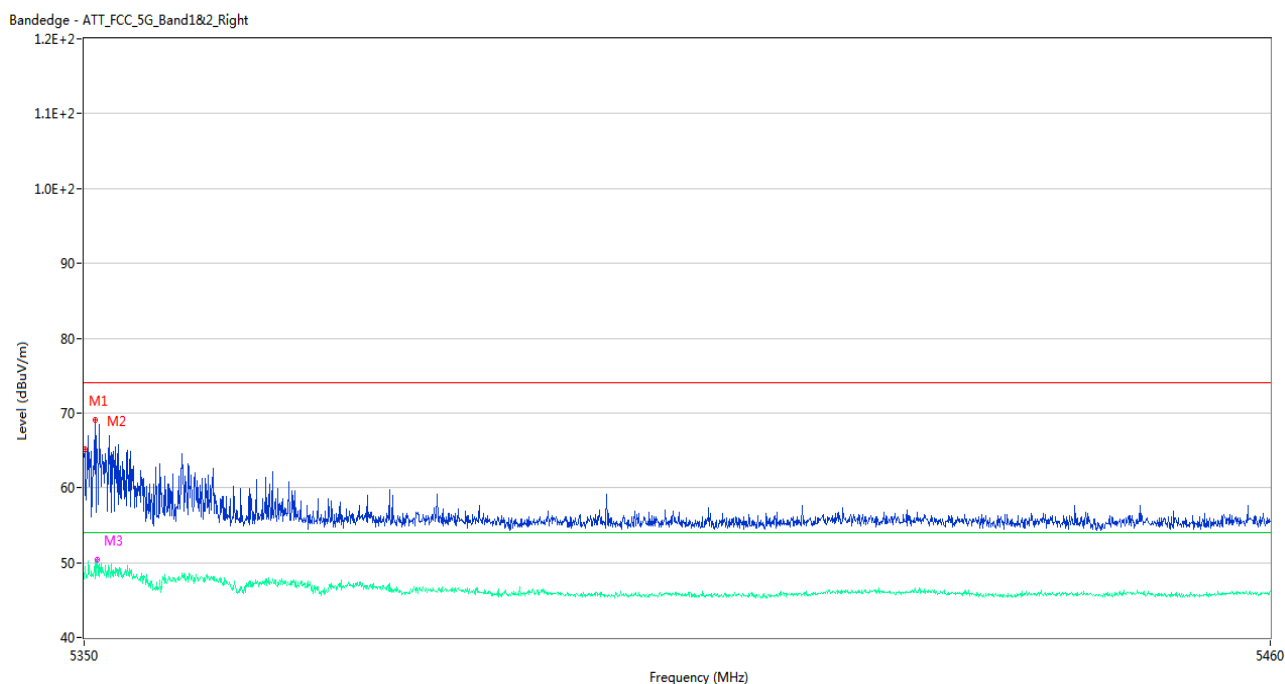
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	69.47	1.93	74.0	4.53	Peak	128.00	200	Horizontal	Pass
1**	5350.000	49.80	1.93	54.0	4.20	AV	128.00	200	Horizontal	Pass
2	5354.950	67.43	2.05	74.0	6.57	Peak	116.00	150	Horizontal	Pass
2**	5354.950	47.78	2.05	54.0	6.22	AV	116.00	150	Horizontal	Pass
3	5350.055	59.27	1.93	74.0	14.73	Peak	128.00	150	Horizontal	Pass
3**	5350.055	50.89	1.93	54.0	3.11	AV	128.00	150	Horizontal	Pass

U-NII-2A 11ax20 (SU) Low Channel



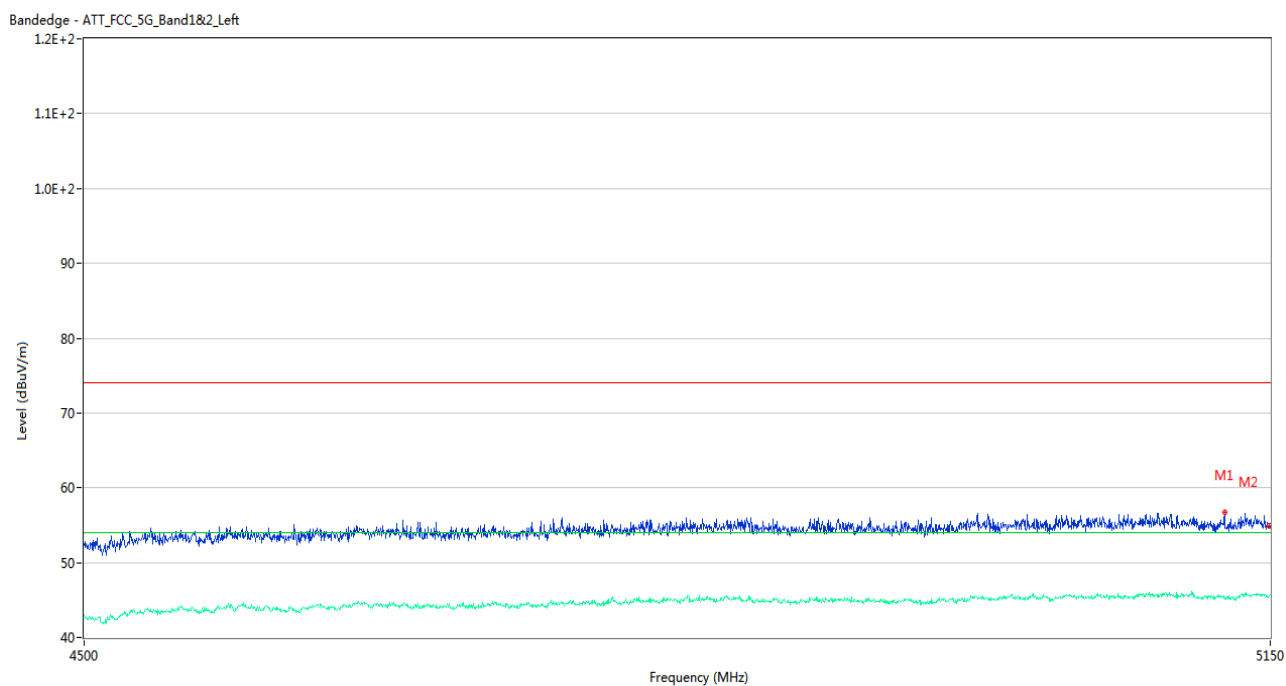
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5101.250	57.26	2.36	74.0	16.74	Peak	145.00	200	Horizontal	Pass
1**	5101.250	45.72	2.36	54.0	8.28	AV	145.00	200	Horizontal	Pass
2	5149.675	55.09	2.07	74.0	18.91	Peak	199.00	150	Horizontal	Pass
2**	5149.675	45.56	2.07	54.0	8.44	AV	199.00	150	Horizontal	Pass

U-NII-2A 11ax20 (SU) High Channel



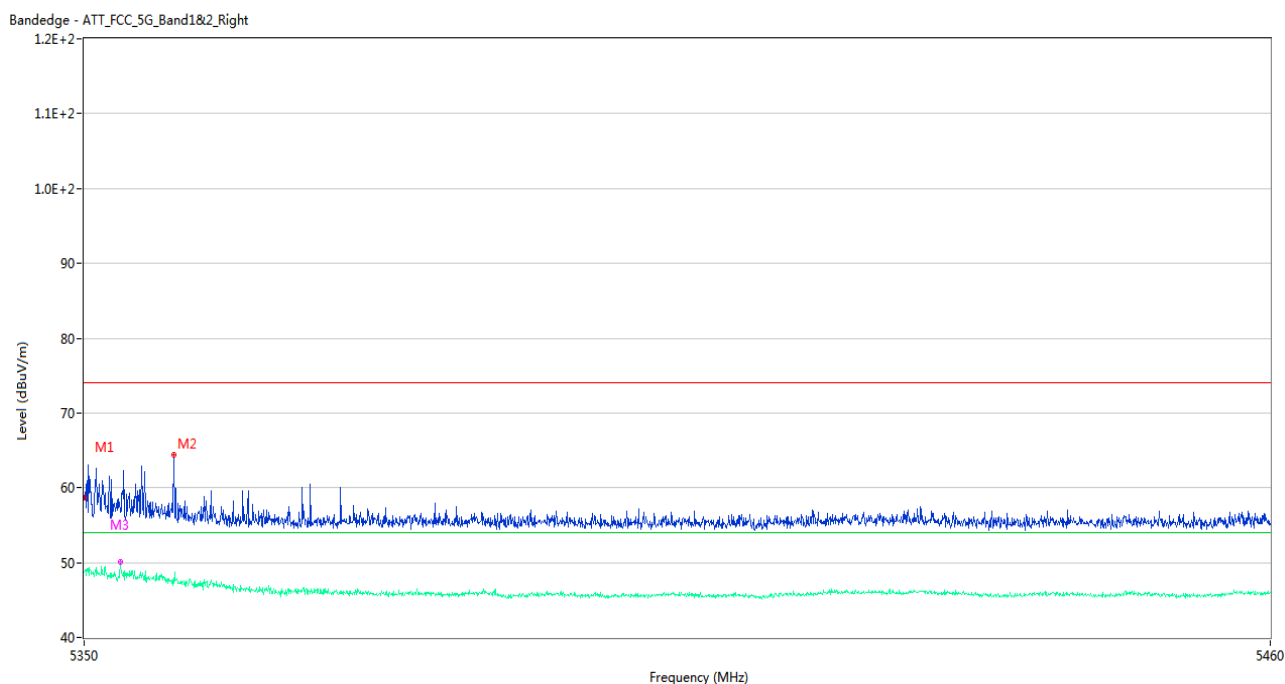
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	65.10	1.93	74.0	8.90	Peak	97.00	200	Horizontal	Pass
1**	5350.055	49.54	1.93	54.0	4.46	AV	97.00	200	Horizontal	Pass
2	5351.045	69.07	1.91	74.0	4.93	Peak	110.00	200	Horizontal	Pass
2**	5351.045	47.86	1.91	54.0	6.14	AV	110.00	200	Horizontal	Pass
3	5351.210	63.63	1.93	74.0	10.37	Peak	97.00	150	Horizontal	Pass
3**	5351.210	50.44	1.93	54.0	3.56	AV	97.00	150	Horizontal	Pass

U-NII-2A 11ax40 (SU) Low Channel



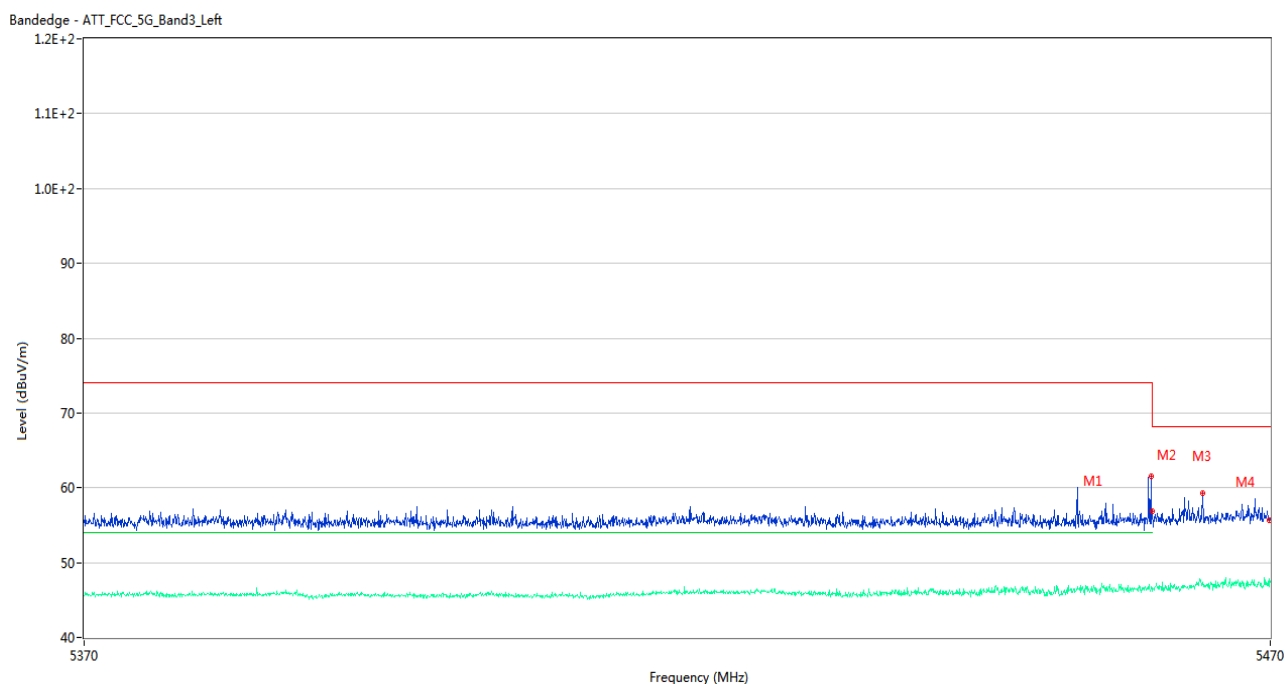
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5123.350	56.70	1.97	74.0	17.30	Peak	18.00	200	Horizontal	Pass
1**	5123.350	45.35	1.97	54.0	8.65	AV	18.00	200	Horizontal	Pass
2	5149.675	54.84	2.07	74.0	19.16	Peak	360.00	200	Horizontal	Pass
2**	5149.675	45.54	2.07	54.0	8.46	AV	360.00	200	Horizontal	Pass

U-NII-2A 11ax40 (SU) High Channel



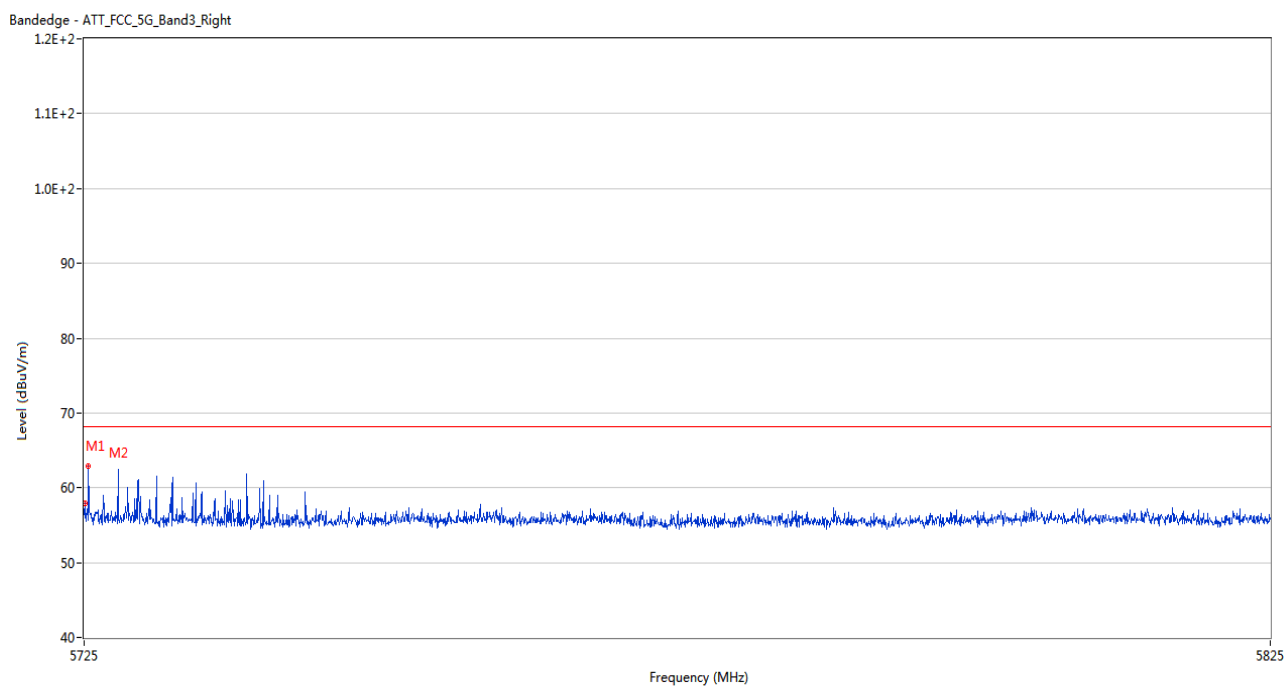
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.69	1.93	74.0	15.31	Peak	126.00	100	Horizontal	Pass
1**	5350.000	48.81	1.93	54.0	5.19	AV	126.00	100	Horizontal	Pass
2	5358.250	64.44	2.21	74.0	9.56	Peak	122.00	150	Horizontal	Pass
2**	5358.250	47.24	2.21	54.0	6.76	AV	122.00	150	Horizontal	Pass
3	5353.300	56.73	2.15	74.0	17.27	Peak	105.00	150	Horizontal	Pass
3**	5353.300	50.12	2.15	54.0	3.88	AV	105.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



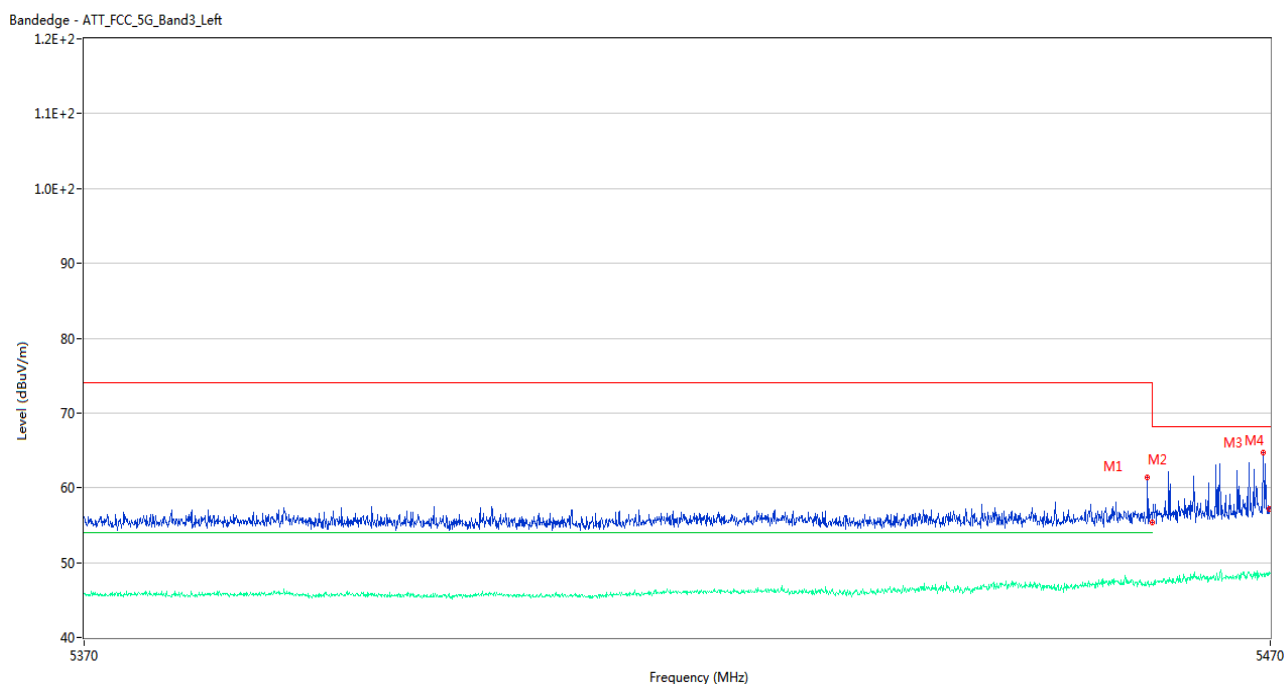
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.850	61.50	2.48	74.0	12.50	Peak	144.00	200	Horizontal	Pass
1**	5459.850	46.62	2.48	54.0	7.38	AV	144.00	200	Horizontal	Pass
2	5460.000	56.85	2.50	74.0	17.15	Peak	206.00	150	Horizontal	Pass
2**	5460.000	46.67	2.50	54.0	7.33	AV	206.00	150	Horizontal	Pass
3	5464.250	59.29	2.76	68.2	8.91	Peak	86.00	150	Horizontal	Pass
3**	5464.250	47.35	2.76	--	--	AV	86.00	150	Horizontal	N/A
4	5469.950	55.65	2.87	68.2	12.55	Peak	147.00	150	Horizontal	Pass
4**	5469.950	47.84	2.87	--	--	AV	147.00	150	Horizontal	N/A

U-NII-2C 11a High Channel



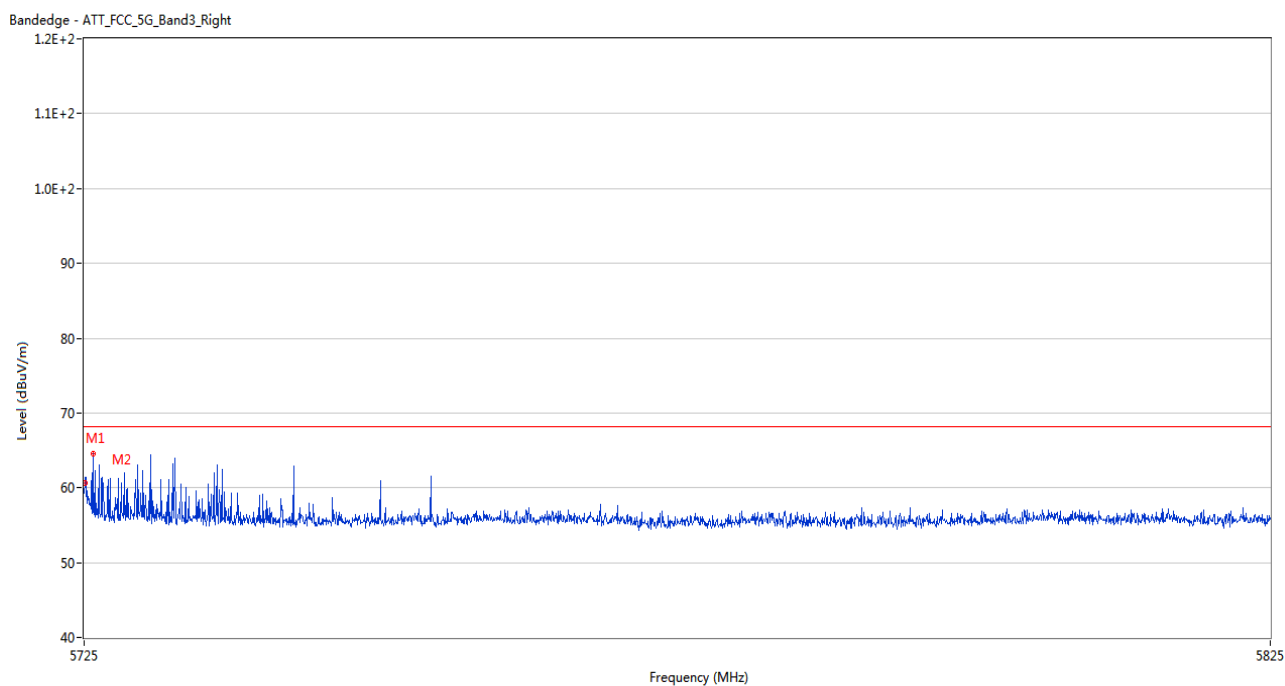
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	57.87	2.55	68.2	10.33	Peak	116.00	200	Horizontal	Pass
2	5725.350	62.89	2.54	68.2	5.31	Peak	102.00	150	Horizontal	Pass

U-NII-2C 11n20 Low Channel



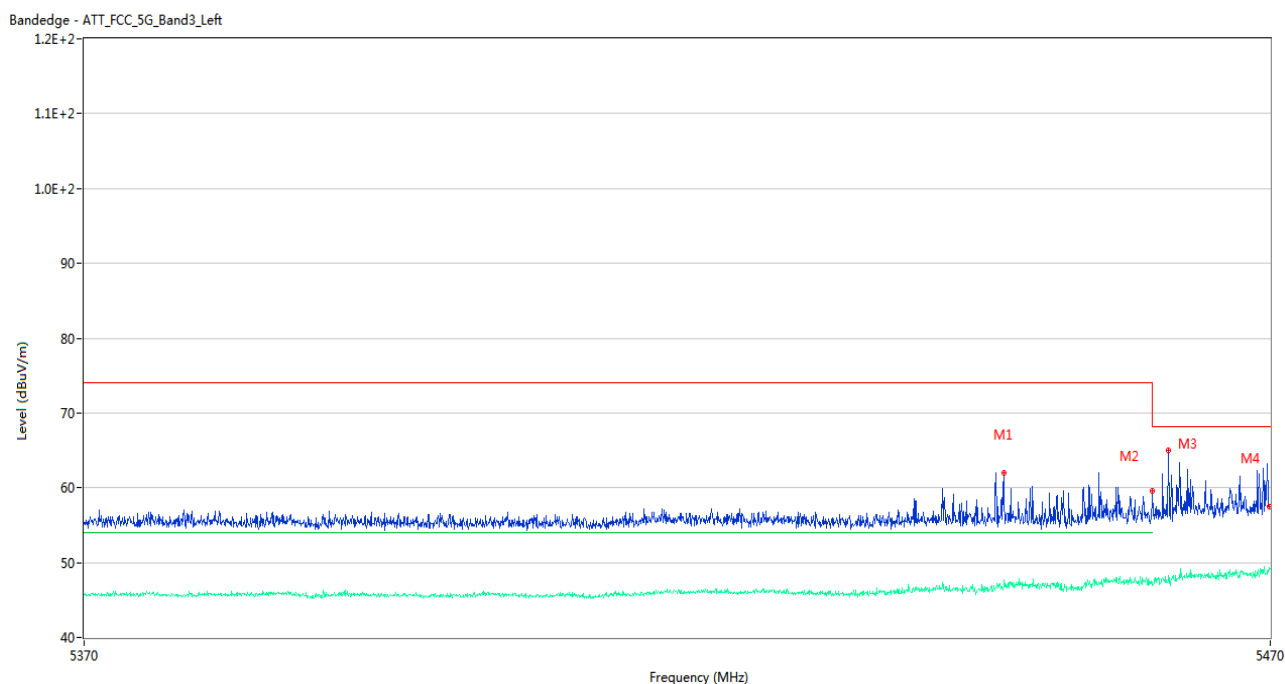
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.550	61.35	2.44	74.0	12.65	Peak	128.00	200	Horizontal	Pass
1**	5459.550	47.29	2.44	54.0	6.71	AV	128.00	200	Horizontal	Pass
2	5460.000	55.44	2.50	74.0	18.56	Peak	345.00	100	Horizontal	Pass
2**	5460.000	47.03	2.50	54.0	6.97	AV	345.00	100	Horizontal	Pass
3	5469.400	64.75	2.93	68.2	3.45	Peak	133.00	150	Horizontal	Pass
3**	5469.400	48.39	2.93	--	--	AV	133.00	150	Horizontal	N/A
4	5469.950	57.20	2.87	68.2	11.00	Peak	131.00	200	Horizontal	Pass
4**	5469.950	48.47	2.87	--	--	AV	131.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



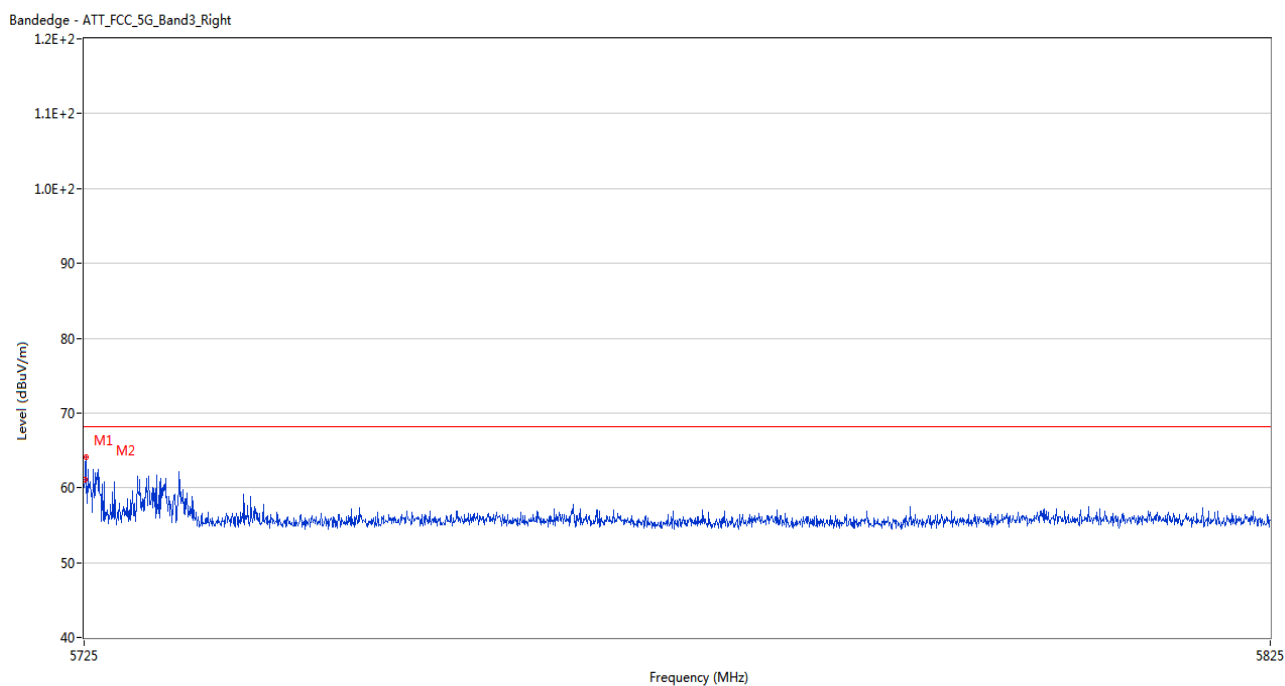
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	60.58	2.55	68.2	7.62	Peak	53.00	100	Horizontal	Pass
2	5725.750	64.51	2.54	68.2	3.69	Peak	103.00	200	Horizontal	Pass

U-NII-2C 11n40 Low Channel



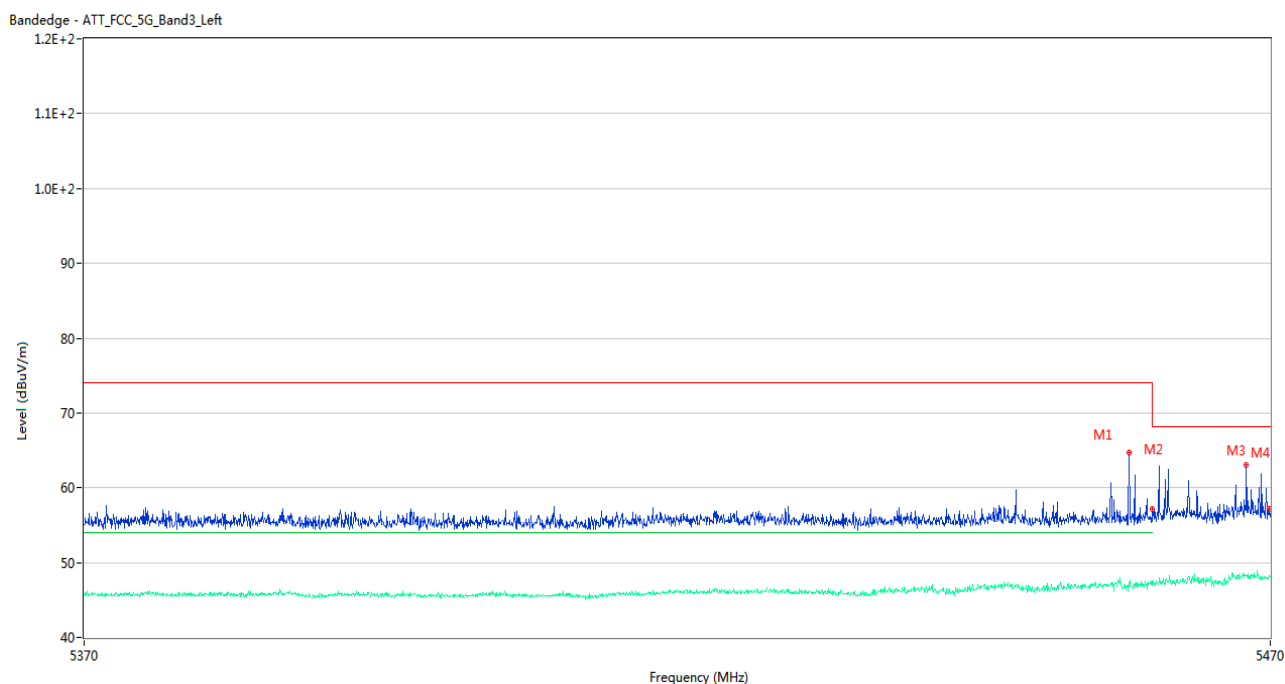
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5447.350	62.07	2.39	74.0	11.93	Peak	136.00	100	Horizontal	Pass
1**	5447.350	47.04	2.39	54.0	6.96	AV	136.00	100	Horizontal	Pass
2	5460.000	59.64	2.50	74.0	14.36	Peak	113.00	150	Horizontal	Pass
2**	5460.000	47.39	2.50	54.0	6.61	AV	113.00	150	Horizontal	Pass
3	5461.350	64.96	2.68	68.2	3.24	Peak	99.00	150	Horizontal	Pass
3**	5461.350	48.22	2.68	--	--	AV	99.00	150	Horizontal	N/A
4	5469.950	57.54	2.87	68.2	10.66	Peak	106.00	100	Horizontal	Pass
4**	5469.950	49.29	2.87	--	--	AV	106.00	100	Horizontal	N/A

U-NII-2C 11n40 High Channel



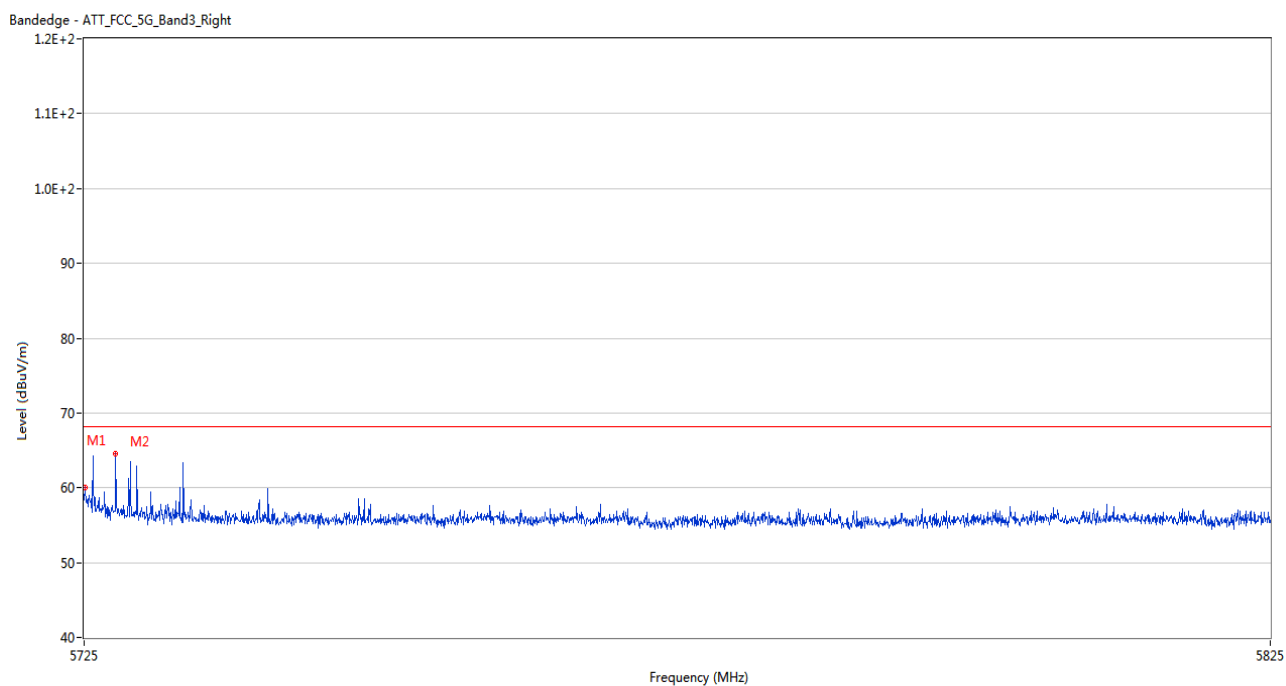
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	61.03	2.55	68.2	7.17	Peak	130.00	200	Horizontal	Pass
2	5725.150	64.16	2.55	68.2	4.04	Peak	118.00	200	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



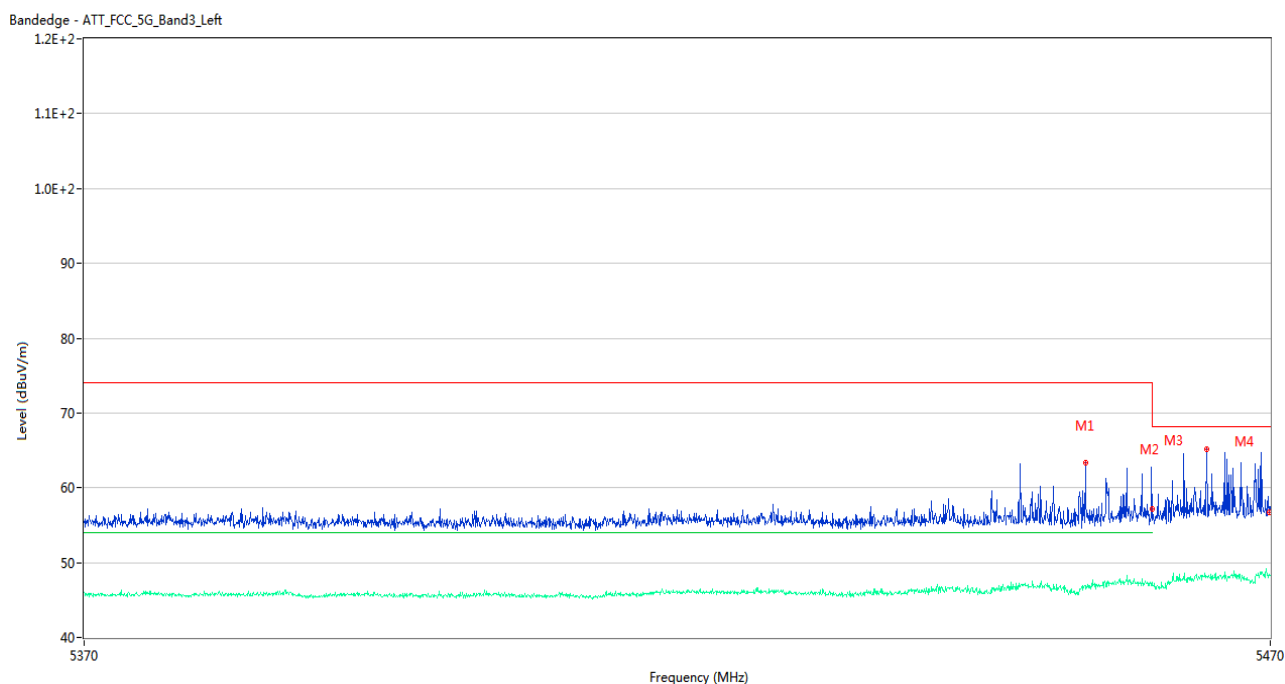
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.000	64.65	2.47	74.0	9.35	Peak	107.00	200	Horizontal	Pass
1**	5458.000	47.20	2.47	54.0	6.80	AV	107.00	200	Horizontal	Pass
2	5460.000	57.22	2.50	74.0	16.78	Peak	135.00	200	Horizontal	Pass
2**	5460.000	47.47	2.50	54.0	6.53	AV	135.00	200	Horizontal	Pass
3	5467.950	63.02	3.13	68.2	5.18	Peak	207.00	150	Horizontal	Pass
3**	5467.950	48.26	3.13	--	--	AV	207.00	150	Horizontal	N/A
4	5469.950	57.22	2.87	68.2	10.98	Peak	114.00	200	Horizontal	Pass
4**	5469.950	48.21	2.87	--	--	AV	114.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel



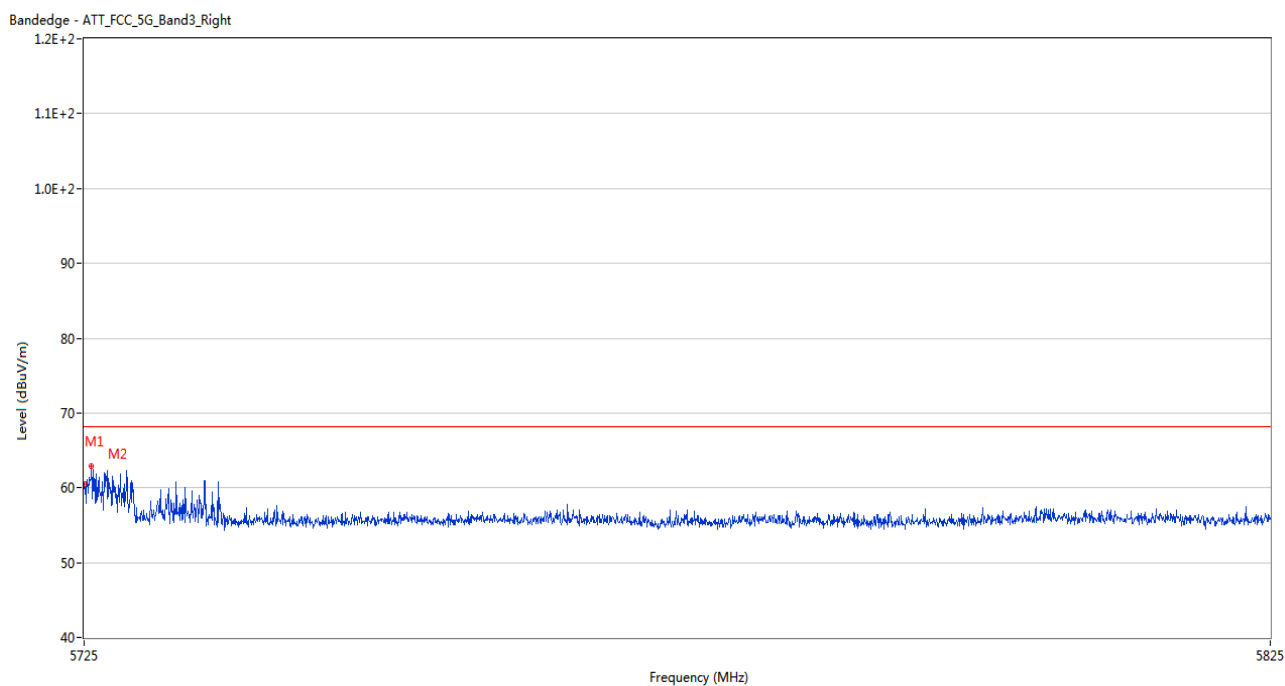
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	60.11	2.55	68.2	8.09	Peak	108.00	100	Horizontal	Pass
2	5727.650	64.54	2.56	68.2	3.66	Peak	125.00	200	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



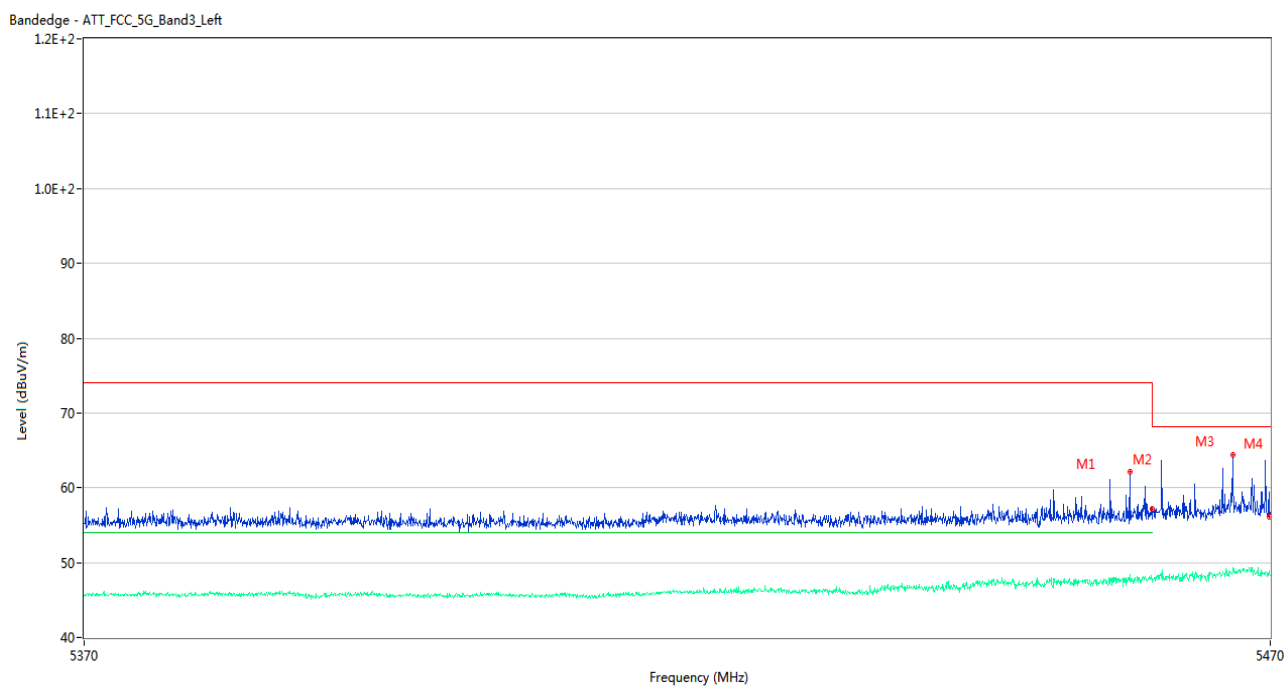
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5454.300	63.32	2.23	74.0	10.68	Peak	147.00	100	Horizontal	Pass
1**	5454.300	46.96	2.23	54.0	7.04	AV	147.00	100	Horizontal	Pass
2	5460.000	57.18	2.50	74.0	16.82	Peak	199.00	150	Horizontal	Pass
2**	5460.000	46.92	2.50	54.0	7.08	AV	199.00	150	Horizontal	Pass
3	5464.600	65.17	2.74	68.2	3.03	Peak	122.00	150	Horizontal	Pass
3**	5464.600	48.18	2.74	--	--	AV	122.00	150	Horizontal	N/A
4	5469.950	56.71	2.87	68.2	11.49	Peak	137.00	200	Horizontal	Pass
4**	5469.950	48.36	2.87	--	--	AV	137.00	200	Horizontal	N/A

U-NII-2C 11ac40 High Channel



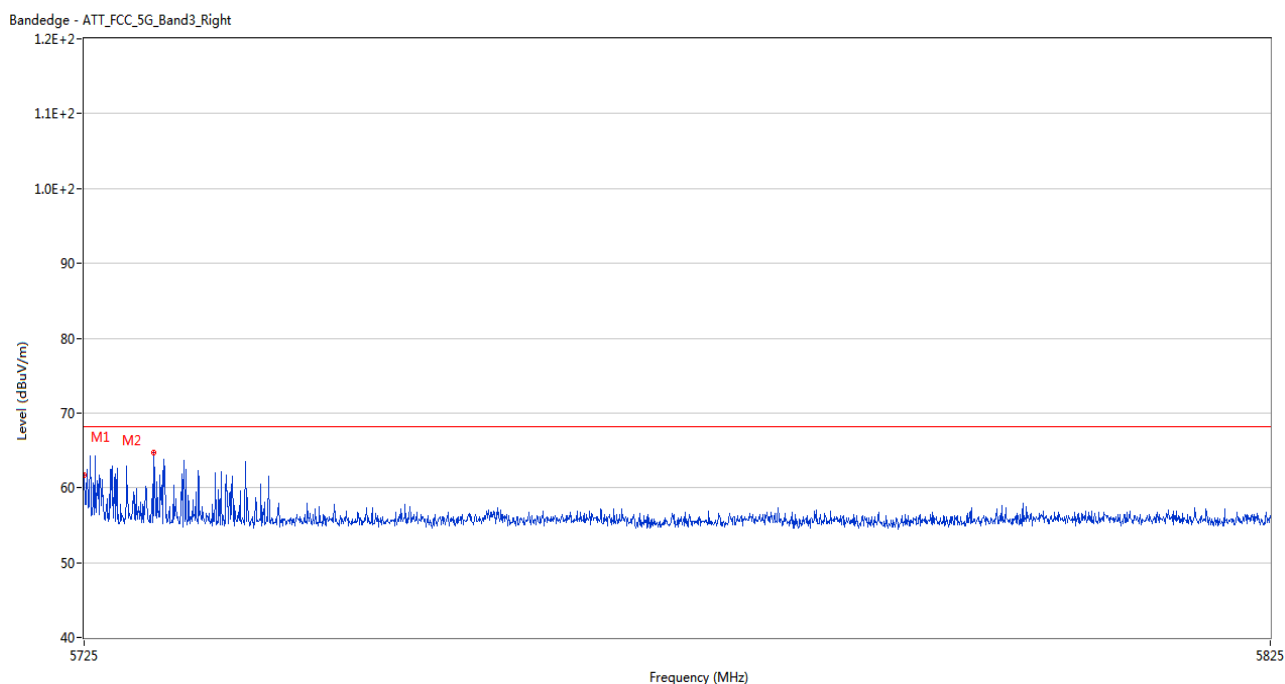
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.48	2.55	68.2	7.72	Peak	108.00	200	Horizontal	Pass
2	5725.600	62.87	2.54	68.2	5.33	Peak	115.00	100	Horizontal	Pass

U-NII-2C 11ax20 (SU) Low Channel



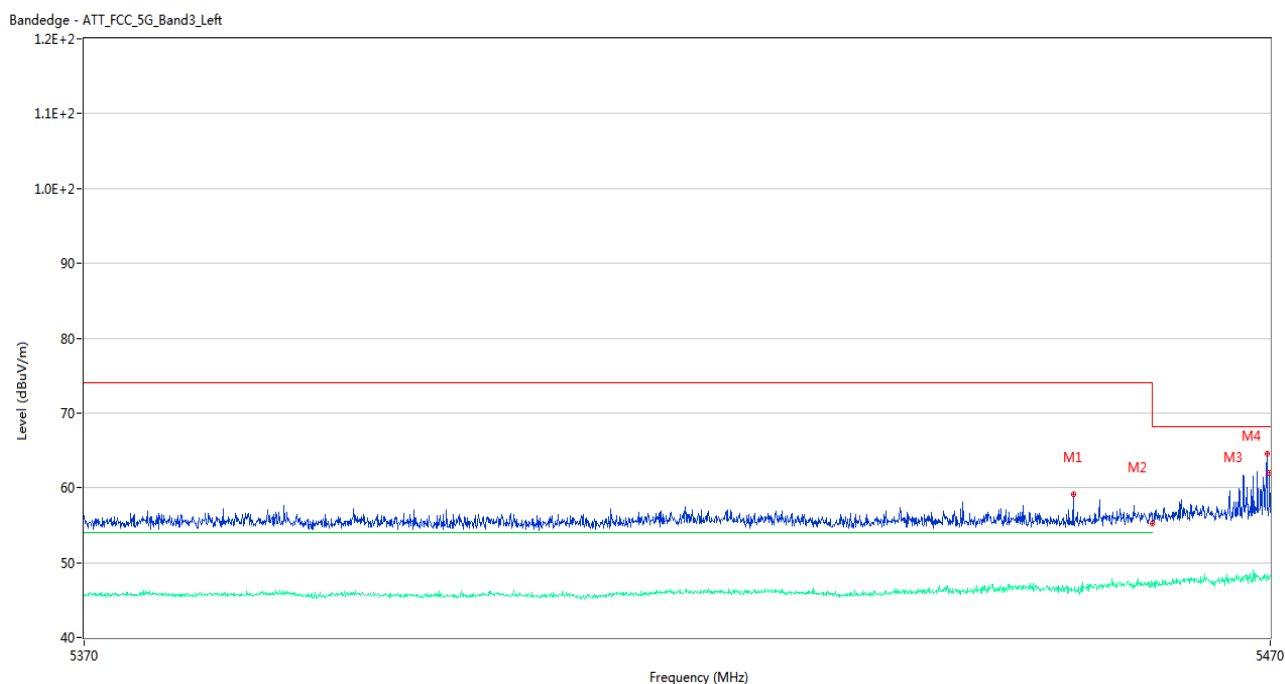
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.050	62.21	2.47	74.0	11.79	Peak	129.00	100	Horizontal	Pass
1**	5458.050	47.35	2.47	54.0	6.65	AV	129.00	100	Horizontal	Pass
2	5460.000	57.10	2.50	74.0	16.90	Peak	132.00	200	Horizontal	Pass
2**	5460.000	47.31	2.50	54.0	6.69	AV	132.00	200	Horizontal	Pass
3	5466.800	64.48	2.94	68.2	3.72	Peak	132.00	100	Horizontal	Pass
3**	5466.800	48.83	2.94	--	--	AV	132.00	100	Horizontal	N/A
4	5469.950	56.14	2.87	68.2	12.06	Peak	137.00	150	Horizontal	Pass
4**	5469.950	48.64	2.87	--	--	AV	137.00	150	Horizontal	N/A

U-NII-2C 11ax20 (SU) High Channel



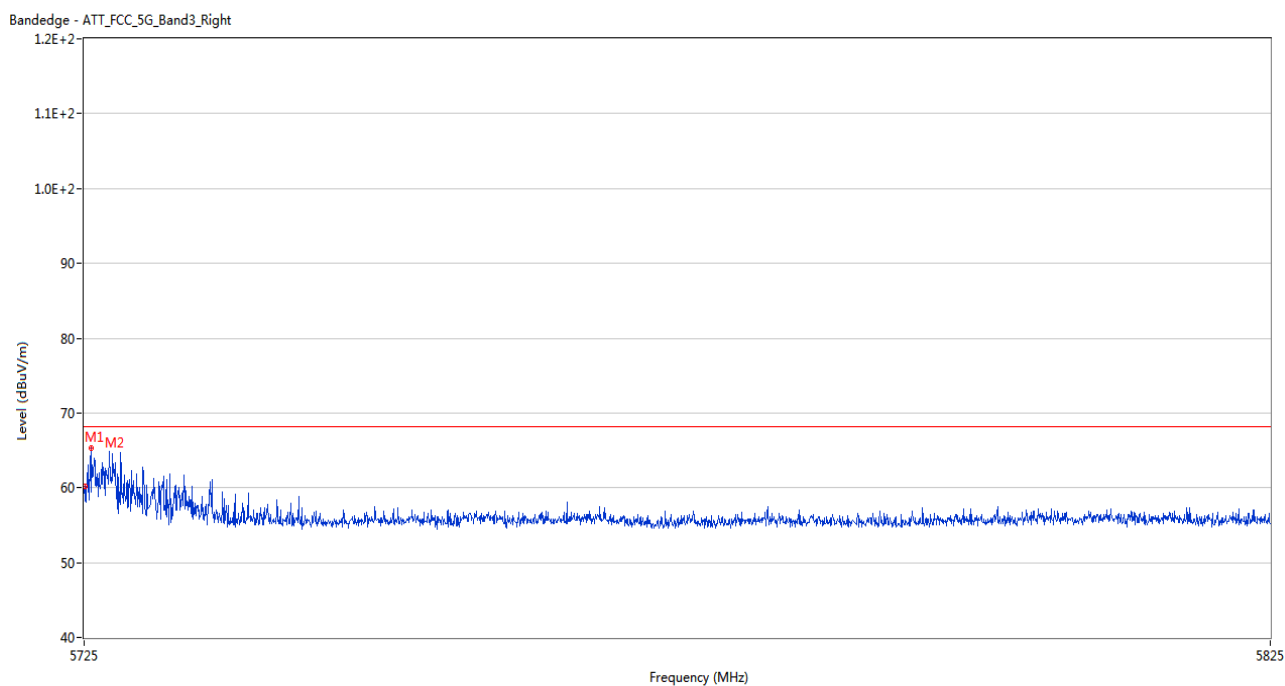
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.62	2.55	68.2	6.58	Peak	102.00	100	Horizontal	Pass
2	5730.850	64.74	2.25	68.2	3.46	Peak	119.00	200	Horizontal	Pass

U-NII-2C 11ax40 (SU) Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5453.250	59.14	2.15	74.0	14.86	Peak	93.00	200	Horizontal	Pass
1**	5453.250	46.35	2.15	54.0	7.65	AV	93.00	200	Horizontal	Pass
2	5460.000	55.15	2.50	74.0	18.85	Peak	238.00	150	Horizontal	Pass
2**	5460.000	47.22	2.50	54.0	6.78	AV	238.00	150	Horizontal	Pass
3	5469.700	64.48	2.89	68.2	3.72	Peak	127.00	200	Horizontal	Pass
3**	5469.700	48.42	2.89	--	--	AV	127.00	200	Horizontal	N/A
4	5469.950	62.04	2.87	68.2	6.16	Peak	101.00	150	Horizontal	Pass
4**	5469.950	47.81	2.87	--	--	AV	101.00	150	Horizontal	N/A

U-NII-2C 11ax40 (SU) High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.050	60.15	2.55	68.2	8.05	Peak	122.00	200	Horizontal	Pass
2	5725.550	65.19	2.54	68.2	3.01	Peak	122.00	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	5645.050	61.44	2.53	68.2	6.76	Peak	127.00	150	Horizontal	Pass
2	5650.000	56.18	2.54	68.2	12.02	Peak	230.00	100	Horizontal	Pass

U-NII-3 11a High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.89	2.32	68.2	12.31	Peak	254.00	200	Horizontal	Pass
2	5931.800	59.65	2.43	68.2	8.55	Peak	127.00	150	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	5646.700	58.59	2.67	68.2	9.61	Peak	127.00	200	Horizontal	Pass
2	5650.000	55.42	2.54	68.2	12.78	Peak	77.00	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	56.12	2.32	68.2	12.08	Peak	72.00	200	Horizontal	Pass
2	5931.350	60.38	2.48	68.2	7.82	Peak	128.00	100	Horizontal	Pass

U-NII-3 11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.050	63.84	2.52	68.2	4.36	Peak	127.00	150	Horizontal	Pass
2	5650.000	58.84	2.54	68.2	9.36	Peak	127.00	150	Horizontal	Pass

U-NII-3 11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.28	2.32	68.2	12.92	Peak	298.00	100	Horizontal	Pass
2	5940.550	58.34	2.63	68.2	9.86	Peak	337.00	200	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	5647.600	57.30	2.59	68.2	10.90	Peak	166.00	200	Horizontal	Pass
2	5650.000	56.35	2.54	68.2	11.85	Peak	227.00	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	57.00	2.32	68.2	11.20	Peak	4.00	200	Horizontal	Pass
2	5929.500	60.56	2.65	68.2	7.64	Peak	118.00	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	5644.600	62.61	2.46	68.2	5.59	Peak	122.00	200	Horizontal	Pass
2	5650.000	61.10	2.54	68.2	7.10	Peak	137.00	200	Horizontal	Pass

U-NII-3 11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.43	2.32	68.2	12.77	Peak	182.00	200	Horizontal	Pass
2	5942.050	57.61	2.81	68.2	10.59	Peak	161.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5639.000	58.93	2.34	68.2	9.27	Peak	105.00	150	Horizontal	Pass
2	5650.000	55.69	2.54	68.2	12.51	Peak	125.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	56.21	2.32	68.2	11.99	Peak	86.00	150	Horizontal	Pass
2	5932.400	59.62	2.36	68.2	8.58	Peak	126.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.600	62.73	2.59	68.2	5.47	Peak	117.00	100	Horizontal	Pass
2	5650.000	59.70	2.54	68.2	8.50	Peak	211.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.950	55.18	2.32	68.2	13.02	Peak	111.00	100	Horizontal	Pass
2	5940.600	58.08	2.64	68.2	10.12	Peak	169.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2471106-AR-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2471106-AW-2.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2471106-AI-2.PDF”.

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