

TEST REPORT

Applicant: E&S International Enterprises, Inc.
Address: 7801 Hayvenhurst Avenue Van Nuys, California
91406, USA
Equipment Type: 10" Tablet
Model Name: GATM11022-BK (refer section 2.4)
Brand Name: Gateway
FCC ID: 2AYPE-GATM11022
Test Standard: 47 CFR Part 15 Subpart E
(refer section 3.1)
Test Date: Aug. 03, 2022 - Aug. 18, 2022
Date of Issue: Sep. 02, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.



Tested by: Julie zhu

Checked by: Ye Hongji

Approved by: Liao Jianming
(Technical Director)

Julie zhu

Ye Hongji

Liao Jianming

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Sep. 02, 2022</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	E&S International Enterprises, Inc.
Address	7801 Hayvenhurst Avenue Van Nuys, California 91406, USA

2.2 Manufacturer Information

Manufacturer	HENA GROUP COMPANY LIMITED
Address	ROOM 2205, WESTLANDS CENTRE, 20 WESTLAND ROAD, QUARRY BAY, HONG KONG

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	10" Tablet
Model Name Under Test	GATM11022-BK
Series Model Name	GATM11022-** (* stands for A-Z)
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in shell color and model name. (this information provided by the customer)
Hardware Version	M862P
Software Version	Android 12
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type	Portable for FCC standard
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 11.42 dBm U-NII-2A: 11.49 dBm U-NII-2C: 8.32 dBm U-NII-3: 8.32 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	2.11 dBi
About the Product	The equipment is 10" Tablet, intended for used with information technology equipment.

2.6 Additional Instructions

EUT Software Settings:

Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.
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During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Test Software Version	Device bulid-in engneer test mode
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U-NII-1 (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	13.0
11a	CH44	5220	13.0
11a	CH48	5240	12.5
11n (HT20)	CH36	5180	12.0
11n (HT20)	CH44	5220	12.0
11n (HT20)	CH48	5240	12.5
11n (HT40)	CH38	5190	12.5
11n (HT40)	CH46	5230	12.0
11ac (VHT20)	CH36	5180	11.0
11ac (VHT20)	CH44	5220	11.0
11ac (VHT20)	CH48	5240	10.5
11ac (VHT40)	CH38	5190	11.0
11ac (VHT40)	CH46	5230	11.0
11ac (VHT80)	CH42	5210	11.0

U-NII-2A (5250 - 5350 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH52	5260	12.5
11a	CH60	5300	12.5
11a	CH64	5320	12.5
11n (HT20)	CH52	5260	12.0
11n (HT20)	CH60	5300	12.0
11n (HT20)	CH64	5320	12.0
11n (HT40)	CH54	5270	11.5
11n (HT40)	CH62	5310	11.5
11ac (VHT20)	CH52	5260	11.0
11ac (VHT20)	CH60	5300	10.5
11ac (VHT20)	CH64	5320	10.5
11ac (VHT40)	CH54	5270	11.0
11ac (VHT40)	CH62	5310	11.0
11ac (VHT80)	CH58	5290	11.5

U-NII-2C (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	11.0
11a	CH116	5580	11.0
11a	CH140	5700	11.0
11n (HT20)	CH100	5500	10.5
11n (HT20)	CH116	5580	10.5
11n (HT20)	CH140	5700	10.0
11n (HT40)	CH102	5510	10.0
11n (HT40)	CH118	5590	10.5
11n (HT40)	CH134	5670	11.0
11ac (VHT20)	CH100	5500	9.5
11ac (VHT20)	CH116	5580	10.0
11ac (VHT20)	CH140	5700	9.0
11ac (VHT40)	CH102	5510	9.0
11ac (VHT40)	CH118	5590	9.5
11ac (VHT40)	CH134	5670	10.0
11ac (VHT80)	CH106	5530	10.0
11ac (VHT80)	CH122	5610	9.5

U-NII-3 (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	10.5
11a	CH157	5785	11.0
11a	CH165	5825	10.0
11n (HT20)	CH149	5745	10.0
11n (HT20)	CH157	5785	10.0
11n (HT20)	CH165	5825	9.5
11n (HT40)	CH151	5755	10.5
11n (HT40)	CH159	5795	9.5
11ac (VHT20)	CH149	5745	9.5
11ac (VHT20)	CH157	5785	9.0
11ac (VHT20)	CH165	5825	8.5
11ac (VHT40)	CH151	5755	9.5
11ac (VHT40)	CH159	5795	9.0
11ac (VHT80)	CH155	5775	9.0

Run Software:

Tx

NSS

1

2

☒ WF0

☐ WF1

☐ Duplicate mode

Bandwidth

20MHz

▼

Data Bandwidth

BW20

▼

Primary Ch

0

▼

Tx0 channel

Channel 1 [2412MHz]

▼

Rate

1M

▼

Pkt length

1024

Pkt cnt

0

Tx power (dBm)

13.5

Preamble

CCK short

▼

Guard interval

normal GI

▼

Mode

continuous packet tx

▼

GO

STOP

2.7 Channel List

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

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

U-NII-2C (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			

For 802.11ac(VHT80)

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

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

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

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

Note ³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	49% to 61%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.4°C to +24.7°C
	LT (Low Temperature)	0°C
	HT (High Temperature)	+40°C
Working Voltage of the EUT	NV (Normal Voltage)	3.8 V
	LV (Low Voltage)	3.5 V
	HV (High Voltage)	4.2 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2022.05.19	2023.05.18
Power Sensor	ROHDE&SCHWARZ	NRP18S	102521	2022.03.09	2023.03.08
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.01.04	2023.01.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2021.09.08	2022.09.07
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2022.06.29	2023.06.28
Test Antenna-Horn (1-18 GHz)	SCHWARZBECK	BBHA 9120D	01631	2022.02.03	2025.02.02
Test Antenna-Horn (18-40 GHz)	A-INFO	LB- 180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2021.09.04	2024.09.03
Test Antenna-Bi-Log (30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
Test Antenna-Loop (9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.09.13	2022.09.12
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2020.03.16	2023.03.15
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2021.10.10	2022.10.09
LISN	SCHWARZBECK	NSLK 8127	8127-687	2022.06.01	2023.05.31
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m* 2.8m	N/A	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	V19.8.28.435	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	0.82°C
Humidity	4.1%

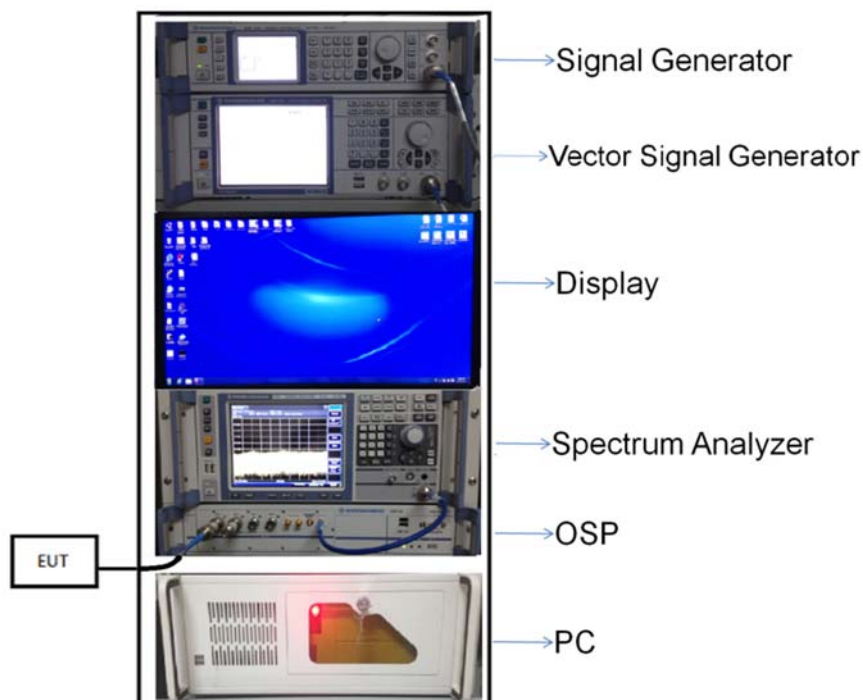
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

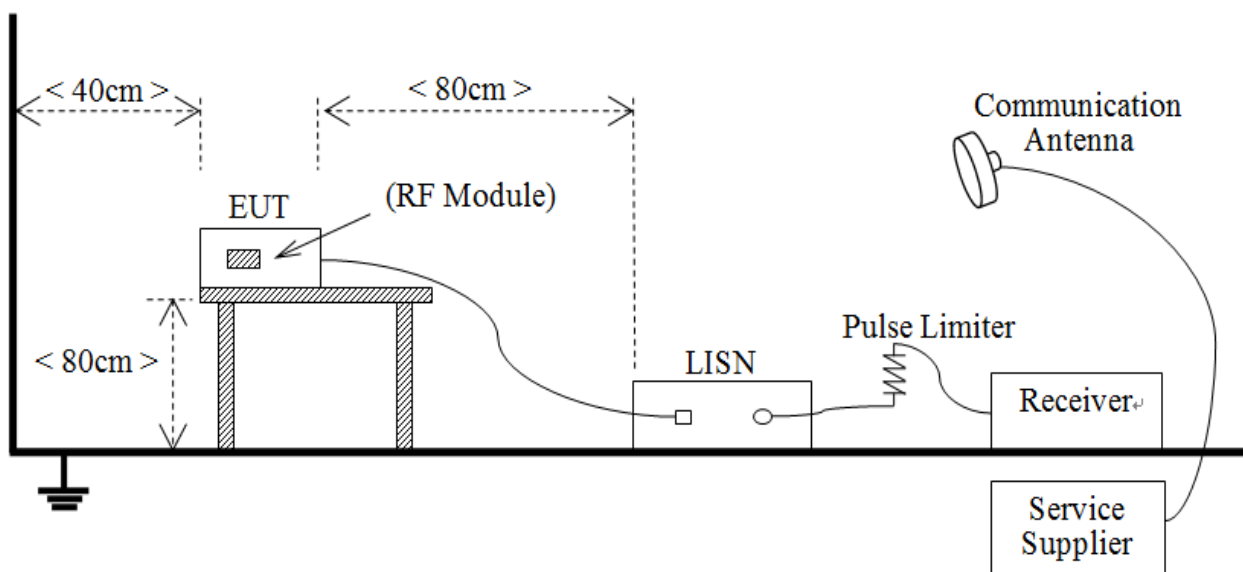
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



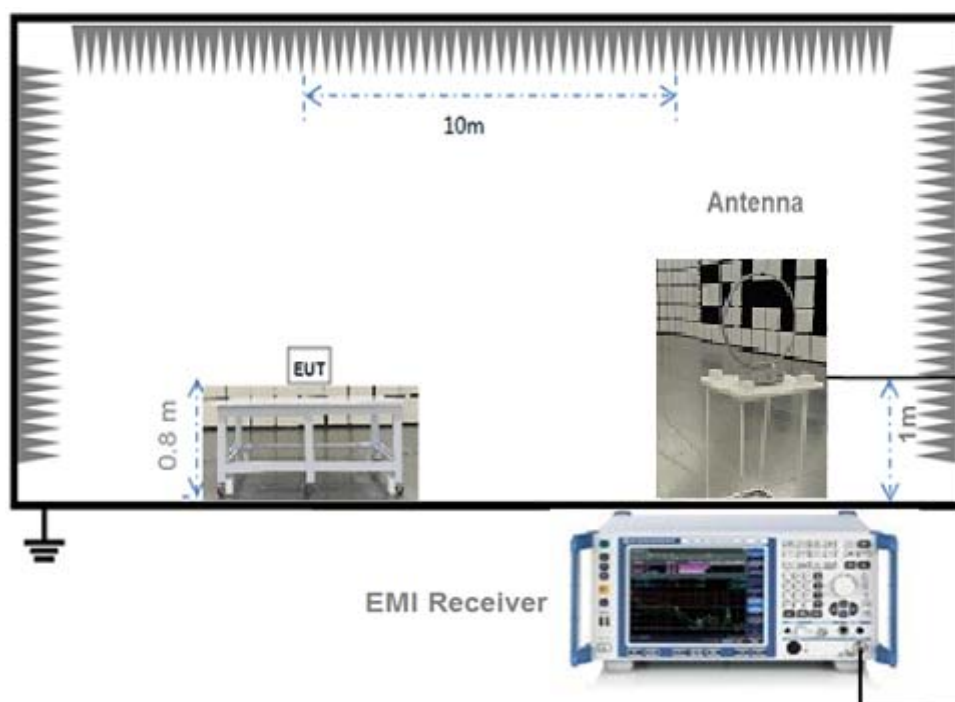
(Diagram 1)

4.5.2 For AC Power Supply Port Test



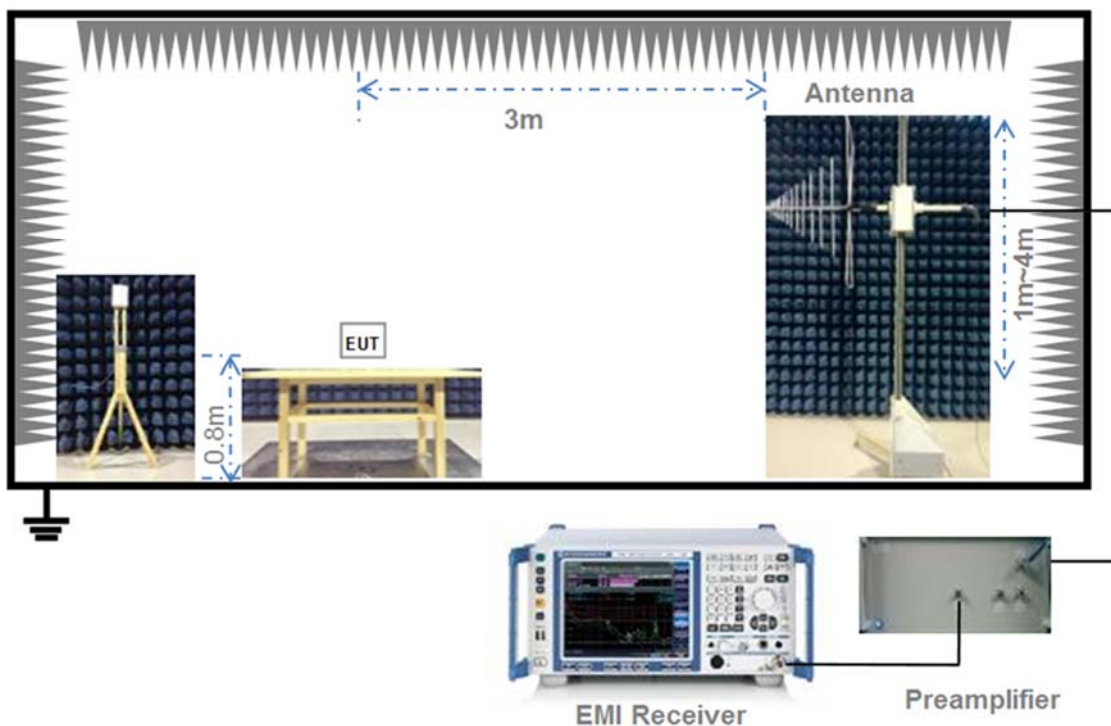
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



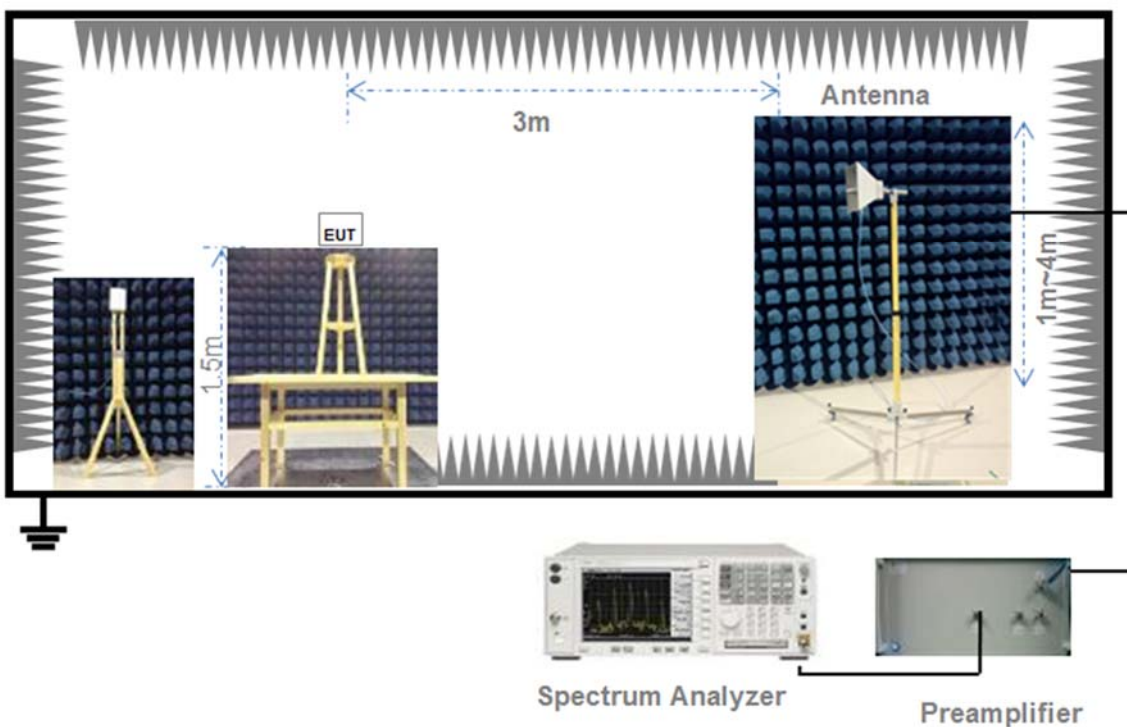
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

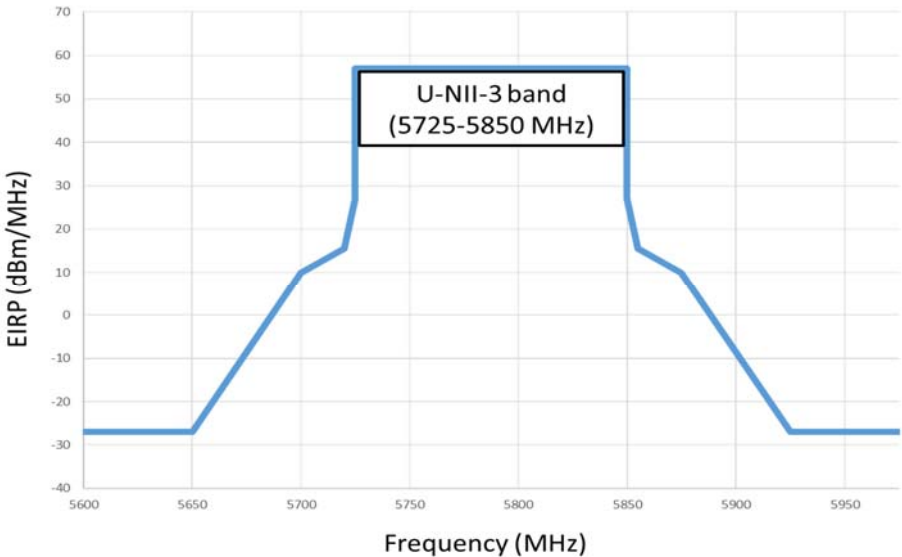
5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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 maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) 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).
- d) 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).
- e) 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.

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

Quasi-Peak measurement procedure

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

Electrotechnical Commission.

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

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

averaging shall not be used.

g) Sweep time = auto.

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.39	1.44	96.87%
11n (HT20)/11ac (VHT20)	1.31	1.36	96.76%
11n (HT40)/11ac (VHT40)	0.65	0.70	93.42%
11ac (VHT80)	0.32	0.37	87.93%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	11.06	12.76	250	Pass
11a	CH44	11.18	13.12	250	Pass
11a	CH48	11.42	13.87	250	Pass
11n (HT20)	CH36	10.46	11.12	250	Pass
11n (HT20)	CH44	10.09	10.21	250	Pass
11n (HT20)	CH48	10.21	10.50	250	Pass
11n (HT40)	CH38	10.39	10.94	250	Pass
11n (HT40)	CH46	10.19	10.45	250	Pass
11ac (VHT20)	CH36	9.43	8.77	250	Pass
11ac (VHT20)	CH44	9.36	8.63	250	Pass
11ac (VHT20)	CH48	9.21	8.34	250	Pass
11ac (VHT40)	CH38	9.31	8.53	250	Pass
11ac (VHT40)	CH46	9.41	8.73	250	Pass
11ac (VHT80)	CH42	9.31	8.53	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.49	14.09	250	Pass
11a	CH60	11.42	13.87	250	Pass
11a	CH64	11.40	13.80	250	Pass
11n (HT20)	CH52	10.34	10.81	250	Pass
11n (HT20)	CH60	10.42	11.02	250	Pass
11n (HT20)	CH64	10.45	11.09	250	Pass
11n (HT40)	CH54	10.45	11.09	250	Pass
11n (HT40)	CH62	10.33	10.79	250	Pass
11ac (VHT20)	CH52	9.30	8.51	250	Pass
11ac (VHT20)	CH60	9.18	8.28	250	Pass
11ac (VHT20)	CH64	9.19	8.30	250	Pass
11ac (VHT40)	CH54	9.41	8.73	250	Pass
11ac (VHT40)	CH62	9.31	8.53	250	Pass
11ac (VHT80)	CH58	9.35	8.61	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	8.30	6.76	250	Pass
11a	CH116	8.18	6.58	250	Pass
11a	CH140	8.32	6.79	250	Pass
11n (HT20)	CH100	7.26	5.32	250	Pass
11n (HT20)	CH116	7.28	5.35	250	Pass
11n (HT20)	CH140	7.23	5.28	250	Pass
11n (HT40)	CH102	7.44	5.55	250	Pass
11n (HT40)	CH118	7.43	5.53	250	Pass
11n (HT40)	CH134	7.44	5.55	250	Pass
11ac (VHT20)	CH100	6.48	4.45	250	Pass
11ac (VHT20)	CH116	6.41	4.38	250	Pass
11ac (VHT20)	CH140	6.16	4.13	250	Pass
11ac (VHT40)	CH102	6.45	4.42	250	Pass
11ac (VHT40)	CH118	6.40	4.37	250	Pass
11ac (VHT40)	CH134	6.44	4.41	250	Pass
11ac (VHT80)	CH106	6.34	4.31	250	Pass
11ac (VHT80)	CH122	6.30	4.27	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	8.06	6.40	1000	Pass
11a	CH157	8.32	6.79	1000	Pass
11a	CH165	7.86	6.11	1000	Pass
11n (HT20)	CH149	7.31	5.38	1000	Pass
11n (HT20)	CH157	7.32	5.40	1000	Pass
11n (HT20)	CH165	7.18	5.22	1000	Pass
11n (HT40)	CH151	7.46	5.57	1000	Pass
11n (HT40)	CH159	7.44	5.55	1000	Pass
11ac (VHT20)	CH149	6.17	4.14	1000	Pass
11ac (VHT20)	CH157	6.32	4.29	1000	Pass
11ac (VHT20)	CH165	6.17	4.14	1000	Pass
11ac (VHT40)	CH151	6.35	4.32	1000	Pass
11ac (VHT40)	CH159	6.31	4.28	1000	Pass
11ac (VHT80)	CH155	6.34	4.31	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2280104-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.18	16.46
11a	CH44	20.10	16.49
11a	CH48	19.99	16.49
11n (HT20)	CH36	20.39	17.57
11n (HT20)	CH44	20.31	17.56
11n (HT20)	CH48	20.37	17.56
11n (HT40)	CH38	40.58	35.99
11n (HT40)	CH46	40.60	36.02
11ac (VHT20)	CH36	20.35	17.56
11ac (VHT20)	CH44	20.32	17.56
11ac (VHT20)	CH48	20.41	17.57
11ac (VHT40)	CH38	40.51	36.02
11ac (VHT40)	CH46	40.65	36.01
11ac (VHT80)	CH42	81.12	75.29

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.07	16.48
11a	CH60	20.08	16.49
11a	CH64	20.02	16.50
11n (HT20)	CH52	20.30	17.57
11n (HT20)	CH60	20.31	17.57
11n (HT20)	CH64	20.33	17.56
11n (HT40)	CH54	40.66	35.98
11n (HT40)	CH62	40.84	36.03
11ac (VHT20)	CH52	20.30	17.57
11ac (VHT20)	CH60	20.33	17.57
11ac (VHT20)	CH64	20.36	17.57
11ac (VHT40)	CH54	40.66	35.97
11ac (VHT40)	CH62	40.70	36.03
11ac (VHT80)	CH58	81.11	75.11

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.08	16.50
11a	CH116	20.13	16.51
11a	CH140	20.07	16.50
11n (HT20)	CH100	20.28	17.59
11n (HT20)	CH116	20.40	17.60
11n (HT20)	CH140	20.41	17.58
11n (HT40)	CH102	40.77	36.06
11n (HT40)	CH118	40.91	36.05
11n (HT40)	CH134	40.82	36.08
11ac (VHT20)	CH100	20.34	17.57
11ac (VHT20)	CH116	20.30	17.60
11ac (VHT20)	CH140	20.40	17.57
11ac (VHT40)	CH102	40.56	35.97
11ac (VHT40)	CH118	40.67	36.06
11ac (VHT40)	CH134	40.72	36.03
11ac (VHT80)	CH106	80.94	75.16
11ac (VHT80)	CH122	81.02	75.17

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.01	16.46
11a	CH157	20.01	16.51
11a	CH165	20.01	16.46
11n (HT20)	CH149	20.37	17.56
11n (HT20)	CH157	20.39	17.61
11n (HT20)	CH165	20.31	17.56
11n (HT40)	CH151	40.82	36.00
11n (HT40)	CH159	40.54	36.09
11ac (VHT20)	CH149	20.28	17.56
11ac (VHT20)	CH157	20.38	17.60
11ac (VHT20)	CH165	20.39	17.56
11ac (VHT40)	CH151	40.52	35.99
11ac (VHT40)	CH159	40.76	36.07
11ac (VHT80)	CH155	81.89	75.59

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2280104-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.20	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n (HT20)	CH149	15.20	500.00	Pass
11n (HT20)	CH157	15.20	500.00	Pass
11n (HT20)	CH165	15.20	500.00	Pass
11n (HT40)	CH151	35.20	500.00	Pass
11n (HT40)	CH159	35.20	500.00	Pass
11ac (VHT20)	CH149	15.20	500.00	Pass
11ac (VHT20)	CH157	15.20	500.00	Pass
11ac (VHT20)	CH165	15.20	500.00	Pass
11ac (VHT40)	CH151	35.20	500.00	Pass
11ac (VHT40)	CH159	35.20	500.00	Pass
11ac (VHT80)	CH155	75.40	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document "Annex No.: BL-SZ2280104-604 Data Part 3.pdf".

Note²: The RBW used in U-NII-3 is 1 MHz, and the PSD factor is: $10 \cdot \log(500 \text{ kHz/RBW}) = -3 \text{ dBm}$.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	0.50	11.00	Pass
11a	CH44	0.65	11.00	Pass
11a	CH48	0.63	11.00	Pass
11n (HT20)	CH36	-0.79	11.00	Pass
11n (HT20)	CH44	-0.71	11.00	Pass
11n (HT20)	CH48	0.19	11.00	Pass
11n (HT40)	CH38	-3.24	11.00	Pass
11n (HT40)	CH46	-3.54	11.00	Pass
11ac (VHT20)	CH36	-0.55	11.00	Pass
11ac (VHT20)	CH44	-1.67	11.00	Pass
11ac (VHT20)	CH48	-1.75	11.00	Pass
11ac (VHT40)	CH38	-4.69	11.00	Pass
11ac (VHT40)	CH46	-4.50	11.00	Pass
11ac (VHT80)	CH42	-8.01	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.74	11.00	Pass
11a	CH60	0.75	11.00	Pass
11a	CH64	0.84	11.00	Pass
11n (HT20)	CH52	-0.05	11.00	Pass
11n (HT20)	CH60	-0.09	11.00	Pass
11n (HT20)	CH64	-0.02	11.00	Pass
11n (HT40)	CH54	-3.57	11.00	Pass
11n (HT40)	CH62	-3.58	11.00	Pass
11ac (VHT20)	CH52	-1.08	11.00	Pass
11ac (VHT20)	CH60	-1.57	11.00	Pass
11ac (VHT20)	CH64	-1.44	11.00	Pass
11ac (VHT40)	CH54	-4.17	11.00	Pass
11ac (VHT40)	CH62	-4.10	11.00	Pass
11ac (VHT80)	CH58	-7.09	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-2.68	11.00	Pass
11a	CH116	-2.90	11.00	Pass
11a	CH140	-2.88	11.00	Pass
11n (HT20)	CH100	-2.23	11.00	Pass
11n (HT20)	CH116	-3.54	11.00	Pass
11n (HT20)	CH140	-4.31	11.00	Pass
11n (HT40)	CH102	-5.86	11.00	Pass
11n (HT40)	CH118	-6.36	11.00	Pass
11n (HT40)	CH134	-6.41	11.00	Pass
11ac (VHT20)	CH100	-3.21	11.00	Pass
11ac (VHT20)	CH116	-3.97	11.00	Pass
11ac (VHT20)	CH140	-5.12	11.00	Pass
11ac (VHT40)	CH102	-6.85	11.00	Pass
11ac (VHT40)	CH118	-7.38	11.00	Pass
11ac (VHT40)	CH134	-7.40	11.00	Pass
11ac (VHT80)	CH106	-9.39	11.00	Pass
11ac (VHT80)	CH122	-10.47	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-5.63	30.00	Pass
11a	CH157	-5.93	30.00	Pass
11a	CH165	-5.30	30.00	Pass
11n (HT20)	CH149	-6.36	30.00	Pass
11n (HT20)	CH157	-7.03	30.00	Pass
11n (HT20)	CH165	-6.14	30.00	Pass
11n (HT40)	CH151	-9.17	30.00	Pass
11n (HT40)	CH159	-10.09	30.00	Pass
11ac (VHT20)	CH149	-6.87	30.00	Pass
11ac (VHT20)	CH157	-8.19	30.00	Pass
11ac (VHT20)	CH165	-7.26	30.00	Pass
11ac (VHT40)	CH151	-9.93	30.00	Pass
11ac (VHT40)	CH159	-10.76	30.00	Pass
11ac (VHT80)	CH155	-14.95	30.00	Pass

A.5 Conducted Emissions

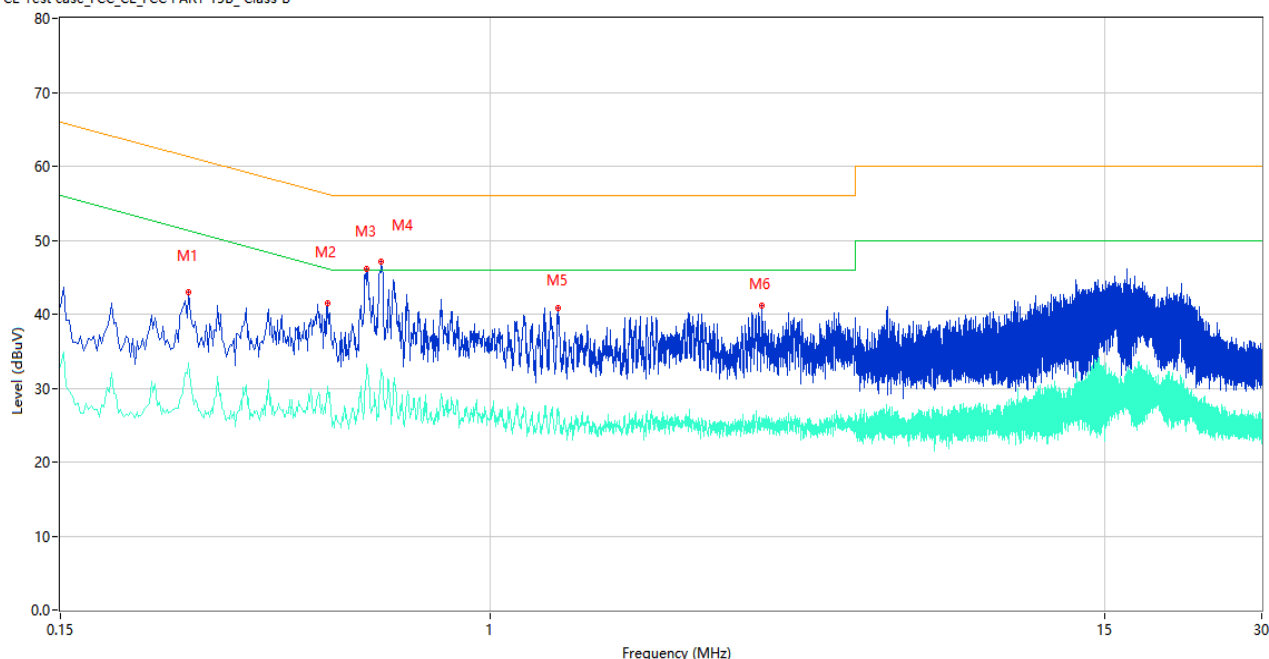
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

PHASE L

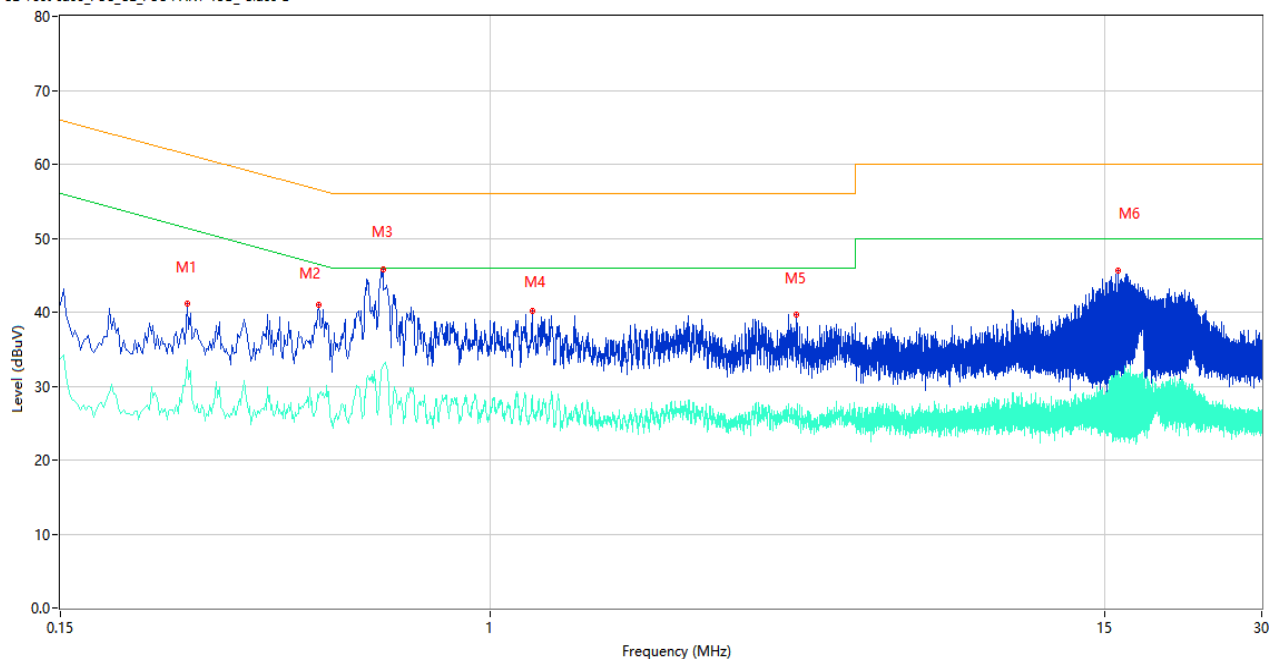
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.264	42.93	10.01	61.30	-18.37	Peak	L	Pass
1**	0.264	33.40	10.01	51.30	-17.90	AV	L	Pass
2	0.488	41.48	10.18	56.20	-14.72	Peak	L	Pass
2**	0.488	30.17	10.18	46.20	-16.03	AV	L	Pass
3	0.578	46.18	10.28	56.00	-9.82	Peak	L	Pass
3**	0.578	31.28	10.28	46.00	-14.72	AV	L	Pass
4	0.618	47.06	10.35	56.00	-8.94	Peak	L	Pass
4**	0.618	32.58	10.35	46.00	-13.42	AV	L	Pass
5	1.346	40.84	10.14	56.00	-15.16	Peak	L	Pass
5**	1.346	27.16	10.14	46.00	-18.84	AV	L	Pass
6	3.314	41.10	10.44	56.00	-14.90	Peak	L	Pass
6**	3.314	25.83	10.44	46.00	-20.17	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.262	41.12	10.01	61.37	-20.25	Peak	N	Pass
1**	0.262	33.53	10.01	51.37	-17.84	AV	N	Pass
2	0.468	41.05	10.21	56.55	-15.50	Peak	N	Pass
2**	0.468	28.40	10.21	46.55	-18.15	AV	N	Pass
3	0.622	45.72	10.35	56.00	-10.28	Peak	N	Pass
3**	0.622	32.71	10.35	46.00	-13.29	AV	N	Pass
4	1.202	40.16	10.04	56.00	-15.84	Peak	N	Pass
4**	1.202	28.70	10.04	46.00	-17.30	AV	N	Pass
5	3.860	39.60	10.36	56.00	-16.40	Peak	N	Pass
5**	3.860	26.57	10.36	46.00	-19.43	AV	N	Pass
6	15.902	45.59	10.23	60.00	-14.41	Peak	N	Pass
6**	15.902	29.53	10.23	50.00	-20.47	AV	N	Pass

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

Test Data

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

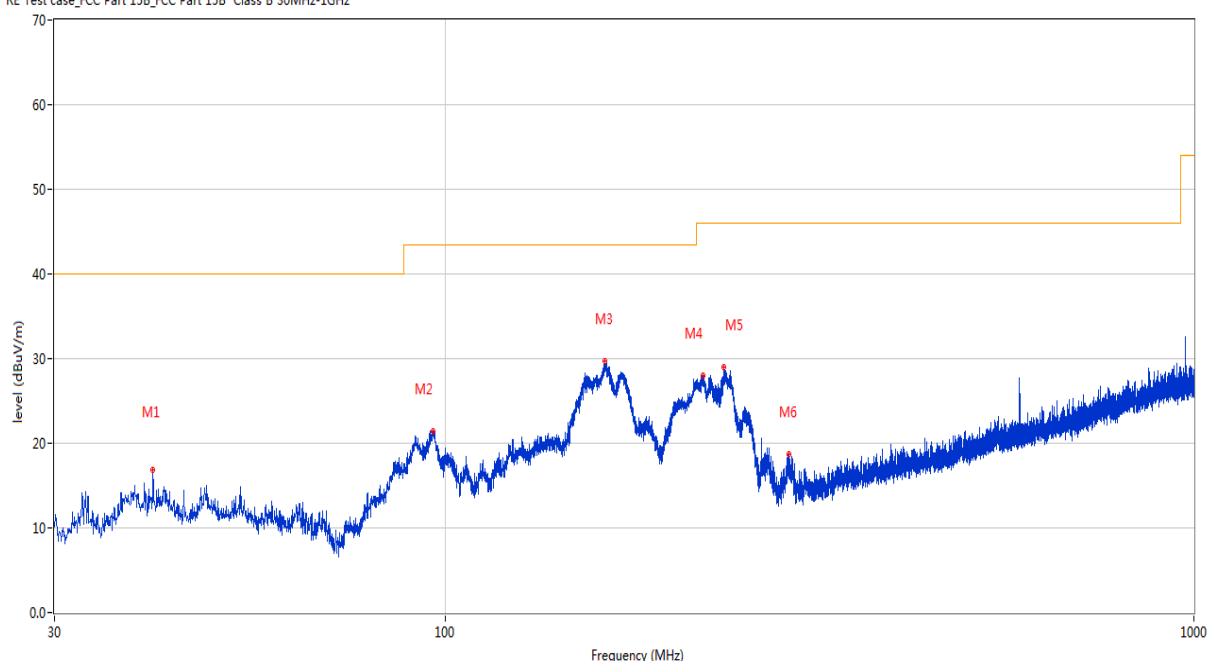
Note²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

30 MHz to 1 GHz, ANT H

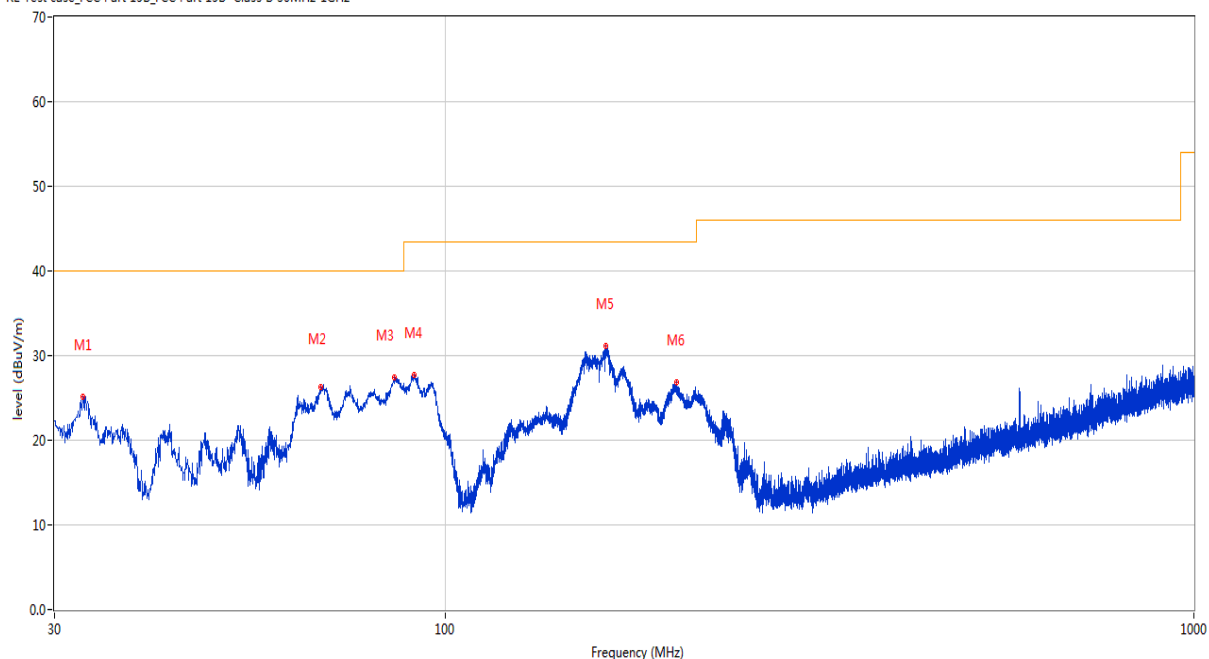
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.621	16.89	-23.92	40.0	-23.11	Peak	360.00	200	Horizontal	Pass
2	96.299	21.40	-24.76	43.5	-22.10	Peak	41.70	200	Horizontal	Pass
3	163.133	29.65	-26.94	43.5	-13.85	Peak	269.70	200	Horizontal	Pass
4	220.799	28.02	-23.95	46.0	-17.98	Peak	110.30	100	Horizontal	Pass
5	235.592	28.95	-22.99	46.0	-17.05	Peak	280.10	100	Horizontal	Pass
6	287.293	18.66	-22.02	46.0	-27.34	Peak	229.40	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.716	25.09	-26.48	40.0	-14.91	Peak	202.80	100	Vertical	Pass
2	68.024	26.23	-25.88	40.0	-13.77	Peak	286.50	100	Vertical	Pass
3	85.339	27.38	-27.41	40.0	-12.62	Peak	248.60	100	Vertical	Pass
4	90.625	27.71	-25.96	43.5	-15.79	Peak	253.10	100	Vertical	Pass
5	163.666	31.09	-26.87	43.5	-12.41	Peak	80.70	100	Vertical	Pass
6	203.533	26.92	-23.75	43.5	-16.58	Peak	110.50	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.400	38.35	-17.50	74.0	-35.65	Peak	205.00	150	Horizontal	Pass
1**	1534.400	28.99	-17.50	54.0	-25.01	AV	205.00	150	Horizontal	Pass
2	4232.800	49.67	-4.53	74.0	-24.33	Peak	250.00	100	Horizontal	Pass
2**	4232.800	41.03	-4.53	54.0	-12.97	AV	250.00	100	Horizontal	Pass
3	5181.200	99.71	-2.71	--	--	Peak	238.00	200	Horizontal	N/A
3**	5181.200	91.86	-2.71	--	--	AV	238.00	200	Horizontal	N/A
4	7463.162	49.39	-3.60	74.0	-24.61	Peak	168.00	300	Horizontal	Pass
4**	7463.162	40.14	-3.60	54.0	-13.86	AV	168.00	300	Horizontal	Pass
5	11592.237	51.90	-0.19	74.0	-22.10	Peak	292.00	150	Horizontal	Pass
5**	11592.237	42.29	-0.19	54.0	-11.71	AV	292.00	150	Horizontal	Pass
6	16001.063	54.45	0.29	74.0	-19.55	Peak	17.00	300	Horizontal	Pass
6**	16001.063	44.37	0.29	54.0	-9.63	AV	17.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.600	38.55	-17.34	74.0	-35.45	Peak	282.00	300	Vertical	Pass
1**	1551.600	28.61	-17.34	54.0	-25.39	AV	282.00	300	Vertical	Pass
2	4352.800	50.01	-3.90	74.0	-23.99	Peak	277.00	300	Vertical	Pass
2**	4352.800	40.62	-3.90	54.0	-13.38	AV	277.00	300	Vertical	Pass
3	5181.800	88.74	-2.71	--	--	Peak	336.00	200	Vertical	N/A
3**	5181.800	80.84	-2.71	--	--	AV	336.00	200	Vertical	N/A
4	7627.612	49.19	-3.29	74.0	-24.81	Peak	0.00	100	Vertical	Pass
4**	7627.612	39.68	-3.29	54.0	-14.32	AV	0.00	100	Vertical	Pass
5	11431.812	52.07	-0.08	74.0	-21.93	Peak	328.00	100	Vertical	Pass
5**	11431.812	42.15	-0.08	54.0	-11.85	AV	328.00	100	Vertical	Pass
6	15625.162	54.62	1.72	74.0	-19.38	Peak	309.00	300	Vertical	Pass
6**	15625.162	45.36	1.72	54.0	-8.64	AV	309.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.400	38.55	-17.64	74.0	-35.45	Peak	1.00	100	Horizontal	Pass
1**	1518.400	29.70	-17.64	54.0	-24.30	AV	1.00	100	Horizontal	Pass
2	4318.600	49.33	-4.52	74.0	-24.67	Peak	142.00	400	Horizontal	Pass
2**	4318.600	39.19	-4.52	54.0	-14.81	AV	142.00	400	Horizontal	Pass
3	5217.800	98.71	-2.94	--	--	Peak	187.00	150	Horizontal	N/A
3**	5217.800	90.79	-2.94	--	--	AV	187.00	150	Horizontal	N/A
4	7373.750	49.11	-3.75	74.0	-24.89	Peak	2.00	400	Horizontal	Pass
4**	7373.750	40.64	-3.75	54.0	-13.36	AV	2.00	400	Horizontal	Pass
5	12331.975	52.92	1.39	74.0	-21.08	Peak	360.00	200	Horizontal	Pass
5**	12331.975	42.66	1.39	54.0	-11.34	AV	360.00	200	Horizontal	Pass
6	15796.575	54.44	2.22	74.0	-19.56	Peak	37.00	300	Horizontal	Pass
6**	15796.575	43.53	2.22	54.0	-10.47	AV	37.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.000	38.28	-17.58	74.0	-35.72	Peak	334.00	300	Vertical	Pass
1**	1507.000	30.49	-17.58	54.0	-23.51	AV	334.00	300	Vertical	Pass
2	4240.200	49.54	-4.75	74.0	-24.46	Peak	345.00	150	Vertical	Pass
2**	4240.200	40.02	-4.75	54.0	-13.98	AV	345.00	150	Vertical	Pass
3	5221.800	87.31	-3.04	--	--	Peak	64.00	200	Vertical	N/A
3**	5221.800	79.75	-3.04	--	--	AV	64.00	200	Vertical	N/A
4	7344.138	49.51	-3.56	74.0	-24.49	Peak	219.00	100	Vertical	Pass
4**	7344.138	40.82	-3.56	54.0	-13.18	AV	219.00	100	Vertical	Pass
5	11724.200	52.45	0.84	74.0	-21.55	Peak	291.00	200	Vertical	Pass
5**	11724.200	42.39	0.84	54.0	-11.61	AV	291.00	200	Vertical	Pass
6	16087.950	54.91	1.47	74.0	-19.09	Peak	59.00	200	Vertical	Pass
6**	16087.950	45.64	1.47	54.0	-8.36	AV	59.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.100	38.73	-17.57	74.0	-35.27	Peak	247.00	300	Horizontal	Pass
1**	1543.100	29.30	-17.57	54.0	-24.70	AV	247.00	300	Horizontal	Pass
2	4279.000	49.51	-4.55	74.0	-24.49	Peak	264.00	100	Horizontal	Pass
2**	4279.000	40.14	-4.55	54.0	-13.86	AV	264.00	100	Horizontal	Pass
3	5237.000	110.20	-2.83	--	--	Peak	175.00	100	Horizontal	N/A
3**	5237.000	102.62	-2.83	--	--	AV	175.00	100	Horizontal	N/A
4	7342.987	50.54	-3.61	74.0	-23.46	Peak	24.00	400	Horizontal	Pass
4**	7342.987	41.12	-3.61	54.0	-12.88	AV	24.00	400	Horizontal	Pass
5	12231.925	52.02	1.25	74.0	-21.98	Peak	0.00	200	Horizontal	Pass
5**	12231.925	43.00	1.25	54.0	-11.00	AV	0.00	200	Horizontal	Pass
6	15848.287	55.10	1.34	74.0	-18.90	Peak	102.00	300	Horizontal	Pass
6**	15848.287	46.01	1.34	54.0	-7.99	AV	102.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.500	38.20	-17.56	74.0	-35.80	Peak	246.00	400	Vertical	Pass
1**	1543.500	28.95	-17.56	54.0	-25.05	AV	246.00	400	Vertical	Pass
2	4366.200	49.98	-4.06	74.0	-24.02	Peak	335.00	400	Vertical	Pass
2**	4366.200	40.87	-4.06	54.0	-13.13	AV	335.00	400	Vertical	Pass
3	5235.800	98.23	-2.88	--	--	Peak	54.00	100	Vertical	N/A
3**	5235.800	89.91	-2.88	--	--	AV	54.00	100	Vertical	N/A
4	7618.700	49.42	-2.93	74.0	-24.58	Peak	51.00	100	Vertical	Pass
4**	7618.700	39.50	-2.93	54.0	-14.50	AV	51.00	100	Vertical	Pass
5	12225.887	52.38	1.31	74.0	-21.62	Peak	0.00	150	Vertical	Pass
5**	12225.887	44.50	1.31	54.0	-9.50	AV	0.00	150	Vertical	Pass
6	16087.425	54.56	1.48	74.0	-19.44	Peak	120.00	400	Vertical	Pass
6**	16087.425	45.30	1.48	54.0	-8.70	AV	120.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1591.500	38.18	-17.51	74.0	-35.82	Peak	257.00	400	Horizontal	Pass
1**	1591.500	28.54	-17.51	54.0	-25.46	AV	257.00	400	Horizontal	Pass
2	4238.600	49.84	-4.73	74.0	-24.16	Peak	155.00	300	Horizontal	Pass
2**	4238.600	39.61	-4.73	54.0	-14.39	AV	155.00	300	Horizontal	Pass
3	5178.200	98.23	-2.71	--	--	Peak	235.00	100	Horizontal	N/A
3**	5178.200	90.29	-2.71	--	--	AV	235.00	100	Horizontal	N/A
4	7363.112	49.50	-4.01	74.0	-24.50	Peak	202.00	200	Horizontal	Pass
4**	7363.112	40.02	-4.01	54.0	-13.98	AV	202.00	200	Horizontal	Pass
5	12227.613	51.93	1.31	74.0	-22.07	Peak	115.00	150	Horizontal	Pass
5**	12227.613	43.02	1.31	54.0	-10.98	AV	115.00	150	Horizontal	Pass
6	15832.275	55.64	1.48	74.0	-18.36	Peak	360.00	400	Horizontal	Pass
6**	15832.275	45.46	1.48	54.0	-8.54	AV	360.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.700	38.41	-17.60	74.0	-35.59	Peak	141.00	200	Vertical	Pass
1**	1487.700	29.32	-17.60	54.0	-24.68	AV	141.00	200	Vertical	Pass
2	4231.800	49.23	-4.58	74.0	-24.77	Peak	41.00	400	Vertical	Pass
2**	4231.800	40.32	-4.58	54.0	-13.68	AV	41.00	400	Vertical	Pass
3	5178.200	87.47	-2.71	--	--	Peak	344.00	150	Vertical	N/A
3**	5178.200	79.77	-2.71	--	--	AV	344.00	150	Vertical	N/A
4	7376.625	50.75	-3.73	74.0	-23.25	Peak	132.00	400	Vertical	Pass
4**	7376.625	40.47	-3.73	54.0	-13.53	AV	132.00	400	Vertical	Pass
5	10926.099	51.93	0.14	74.0	-22.07	Peak	345.00	150	Vertical	Pass
5**	10926.099	42.90	0.14	54.0	-11.10	AV	345.00	150	Vertical	Pass
6	15836.738	54.70	1.45	74.0	-19.30	Peak	360.00	300	Vertical	Pass
6**	15836.738	45.36	1.45	54.0	-8.64	AV	360.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.000	38.53	-17.52	74.0	-35.47	Peak	325.00	100	Horizontal	Pass
1**	1557.000	28.59	-17.52	54.0	-25.41	AV	325.00	100	Horizontal	Pass
2	4258.600	49.39	-4.77	74.0	-24.61	Peak	54.00	300	Horizontal	Pass
2**	4258.600	40.26	-4.77	54.0	-13.74	AV	54.00	300	Horizontal	Pass
3	5221.600	97.89	-3.04	--	--	Peak	181.00	200	Horizontal	N/A
3**	5221.600	90.86	-3.04	--	--	AV	181.00	200	Horizontal	N/A
4	7379.212	49.52	-3.65	74.0	-24.48	Peak	293.00	300	Horizontal	Pass
4**	7379.212	40.81	-3.65	54.0	-13.19	AV	293.00	300	Horizontal	Pass
5	10922.651	52.77	0.20	74.0	-21.23	Peak	0.00	150	Horizontal	Pass
5**	10922.651	43.42	0.20	54.0	-10.58	AV	0.00	150	Horizontal	Pass
6	16089.000	55.29	1.45	74.0	-18.71	Peak	355.00	300	Horizontal	Pass
6**	16089.000	45.13	1.45	54.0	-8.87	AV	355.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.500	38.16	-17.59	74.0	-35.84	Peak	360.00	400	Vertical	Pass
1**	1481.500	29.23	-17.59	54.0	-24.77	AV	360.00	400	Vertical	Pass
2	4261.600	49.87	-4.67	74.0	-24.13	Peak	7.00	300	Vertical	Pass
2**	4261.600	41.06	-4.67	54.0	-12.94	AV	7.00	300	Vertical	Pass
3	5221.200	86.45	-3.05	--	--	Peak	53.00	200	Vertical	N/A
3**	5221.200	78.84	-3.05	--	--	AV	53.00	200	Vertical	N/A
4	7374.325	49.80	-3.75	74.0	-24.20	Peak	97.00	400	Vertical	Pass
4**	7374.325	41.97	-3.75	54.0	-12.03	AV	97.00	400	Vertical	Pass
5	12230.200	52.69	1.30	74.0	-21.31	Peak	0.00	150	Vertical	Pass
5**	12230.200	43.24	1.30	54.0	-10.76	AV	0.00	150	Vertical	Pass
6	15846.450	55.18	1.36	74.0	-18.82	Peak	245.00	400	Vertical	Pass
6**	15846.450	46.09	1.36	54.0	-7.91	AV	245.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.300	38.49	-17.55	74.0	-35.51	Peak	142.00	100	Horizontal	Pass
1**	1587.300	28.53	-17.55	54.0	-25.47	AV	142.00	100	Horizontal	Pass
2	4227.400	49.60	-4.67	74.0	-24.40	Peak	246.00	400	Horizontal	Pass
2**	4227.400	39.92	-4.67	54.0	-14.08	AV	246.00	400	Horizontal	Pass
3	5238.800	98.51	-2.73	--	--	Peak	178.00	100	Horizontal	N/A
3**	5238.800	91.03	-2.73	--	--	AV	178.00	100	Horizontal	N/A
4	7376.337	49.82	-3.74	74.0	-24.18	Peak	44.00	200	Horizontal	Pass
4**	7376.337	40.53	-3.74	54.0	-13.47	AV	44.00	200	Horizontal	Pass
5	12230.487	52.88	1.29	74.0	-21.12	Peak	168.00	150	Horizontal	Pass
5**	12230.487	43.34	1.29	54.0	-10.66	AV	168.00	150	Horizontal	Pass
6	15840.412	55.00	1.44	74.0	-19.00	Peak	325.00	100	Horizontal	Pass
6**	15840.412	45.54	1.44	54.0	-8.46	AV	325.00	100	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1453.600	38.62	-17.45	74.0	-35.38	Peak	14.00	100	Vertical	Pass
1**	1453.600	30.13	-17.45	54.0	-23.87	AV	14.00	100	Vertical	Pass
2	4229.200	49.75	-4.54	74.0	-24.25	Peak	345.00	400	Vertical	Pass
2**	4229.200	40.50	-4.54	54.0	-13.50	AV	345.00	400	Vertical	Pass
3	5238.400	86.72	-2.73	--	--	Peak	57.00	150	Vertical	N/A
3**	5238.400	79.11	-2.73	--	--	AV	57.00	150	Vertical	N/A
4	7336.375	49.36	-3.43	74.0	-24.64	Peak	48.00	400	Vertical	Pass
4**	7336.375	40.36	-3.43	54.0	-13.64	AV	48.00	400	Vertical	Pass
5	12237.674	52.19	1.11	74.0	-21.81	Peak	346.00	200	Vertical	Pass
5**	12237.674	43.17	1.11	54.0	-10.83	AV	346.00	200	Vertical	Pass
6	15842.513	55.38	1.41	74.0	-18.62	Peak	140.00	400	Vertical	Pass
6**	15842.513	45.69	1.41	54.0	-8.31	AV	140.00	400	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.700	38.77	-17.50	74.0	-35.23	Peak	264.00	100	Horizontal	Pass
1**	1588.700	28.71	-17.50	54.0	-25.29	AV	264.00	100	Horizontal	Pass
2	4264.600	50.29	-4.66	74.0	-23.71	Peak	189.00	200	Horizontal	Pass
2**	4264.600	40.09	-4.66	54.0	-13.91	AV	189.00	200	Horizontal	Pass
3	5188.600	96.07	-2.68	--	--	Peak	245.00	200	Horizontal	N/A
3**	5188.600	88.73	-2.68	--	--	AV	245.00	200	Horizontal	N/A
4	7351.900	49.93	-3.85	74.0	-24.07	Peak	127.00	400	Horizontal	Pass
4**	7351.900	41.20	-3.85	54.0	-12.80	AV	127.00	400	Horizontal	Pass
5	11557.162	52.18	-0.43	74.0	-21.82	Peak	326.00	150	Horizontal	Pass
5**	11557.162	43.08	-0.43	54.0	-10.92	AV	326.00	150	Horizontal	Pass
6	15846.450	55.51	1.36	74.0	-18.49	Peak	286.00	300	Horizontal	Pass
6**	15846.450	46.67	1.36	54.0	-7.33	AV	286.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.600	38.27	-17.56	74.0	-35.73	Peak	187.00	200	Vertical	Pass
1**	1574.600	28.89	-17.56	54.0	-25.11	AV	187.00	200	Vertical	Pass
2	4363.200	49.64	-3.84	74.0	-24.36	Peak	278.00	100	Vertical	Pass
2**	4363.200	40.48	-3.84	54.0	-13.52	AV	278.00	100	Vertical	Pass
3	5192.000	85.64	-2.67	--	--	Peak	77.00	150	Vertical	N/A
3**	5192.000	78.04	-2.67	--	--	AV	77.00	150	Vertical	N/A
4	7382.663	49.95	-3.83	74.0	-24.05	Peak	311.00	400	Vertical	Pass
4**	7382.663	40.08	-3.83	54.0	-13.92	AV	311.00	400	Vertical	Pass
5	11055.762	52.15	-0.76	74.0	-21.85	Peak	346.00	200	Vertical	Pass
5**	11055.762	42.88	-0.76	54.0	-11.12	AV	346.00	200	Vertical	Pass
6	15715.724	54.33	0.51	74.0	-19.67	Peak	17.00	100	Vertical	Pass
6**	15715.724	43.61	0.51	54.0	-10.39	AV	17.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1607.900	38.27	-17.65	74.0	-35.73	Peak	195.00	300	Horizontal	Pass
1**	1607.900	29.00	-17.65	54.0	-25.00	AV	195.00	300	Horizontal	Pass
2	4361.800	49.41	-3.78	74.0	-24.59	Peak	360.00	400	Horizontal	Pass
2**	4361.800	40.77	-3.78	54.0	-13.23	AV	360.00	400	Horizontal	Pass
3	5228.400	95.15	-2.96	--	--	Peak	177.00	100	Horizontal	N/A
3**	5228.400	87.94	-2.96	--	--	AV	177.00	100	Horizontal	N/A
4	7470.350	49.23	-3.95	74.0	-24.77	Peak	157.00	300	Horizontal	Pass
4**	7470.350	39.44	-3.95	54.0	-14.56	AV	157.00	300	Horizontal	Pass
5	11024.425	52.75	-0.70	74.0	-21.25	Peak	251.00	150	Horizontal	Pass
5**	11024.425	42.77	-0.70	54.0	-11.23	AV	251.00	150	Horizontal	Pass
6	15860.100	54.02	0.92	74.0	-19.98	Peak	41.00	100	Horizontal	Pass
6**	15860.100	46.18	0.92	54.0	-7.82	AV	41.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.300	39.02	-17.33	74.0	-34.98	Peak	250.00	300	Vertical	Pass
1**	1451.300	28.78	-17.33	54.0	-25.22	AV	250.00	300	Vertical	Pass
2	4359.400	49.97	-3.77	74.0	-24.03	Peak	0.00	200	Vertical	Pass
2**	4359.400	40.49	-3.77	54.0	-13.51	AV	0.00	200	Vertical	Pass
3	5233.800	83.25	-2.81	--	--	Peak	61.00	100	Vertical	N/A
3**	5233.800	76.12	-2.81	--	--	AV	61.00	100	Vertical	N/A
4	7382.663	49.41	-3.83	74.0	-24.59	Peak	0.00	150	Vertical	Pass
4**	7382.663	40.90	-3.83	54.0	-13.10	AV	0.00	150	Vertical	Pass
5	11610.350	51.98	-0.06	74.0	-22.02	Peak	219.00	100	Vertical	Pass
5**	11610.350	42.29	-0.06	54.0	-11.71	AV	219.00	100	Vertical	Pass
6	15848.813	55.11	1.34	74.0	-18.89	Peak	0.00	200	Vertical	Pass
6**	15848.813	46.14	1.34	54.0	-7.86	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.000	38.58	-17.44	74.0	-35.42	Peak	164.00	150	Horizontal	Pass
1**	1442.000	29.10	-17.44	54.0	-24.90	AV	164.00	150	Horizontal	Pass
2	4223.400	49.28	-4.83	74.0	-24.72	Peak	58.00	150	Horizontal	Pass
2**	4223.400	39.88	-4.83	54.0	-14.12	AV	58.00	150	Horizontal	Pass
3	5181.400	97.38	-2.71	--	--	Peak	239.00	100	Horizontal	N/A
3**	5181.400	89.47	-2.71	--	--	AV	239.00	100	Horizontal	N/A
4	7380.938	49.75	-3.68	74.0	-24.25	Peak	150.00	400	Horizontal	Pass
4**	7380.938	40.40	-3.68	54.0	-13.60	AV	150.00	400	Horizontal	Pass
5	11970.588	53.11	0.80	74.0	-20.89	Peak	171.00	200	Horizontal	Pass
5**	11970.588	42.47	0.80	54.0	-11.53	AV	171.00	200	Horizontal	Pass
6	15841.463	54.85	1.42	74.0	-19.15	Peak	105.00	300	Horizontal	Pass
6**	15841.463	45.58	1.42	54.0	-8.42	AV	105.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.900	38.29	-17.50	74.0	-35.71	Peak	258.00	300	Vertical	Pass
1**	1523.900	29.98	-17.50	54.0	-24.02	AV	258.00	300	Vertical	Pass
2	4232.200	49.43	-4.56	74.0	-24.57	Peak	360.00	400	Vertical	Pass
2**	4232.200	41.18	-4.56	54.0	-12.82	AV	360.00	400	Vertical	Pass
3	5178.800	86.15	-2.68	--	--	Peak	335.00	100	Vertical	N/A
3**	5178.800	79.31	-2.68	--	--	AV	335.00	100	Vertical	N/A
4	7379.788	49.68	-3.61	74.0	-24.32	Peak	49.00	300	Vertical	Pass
4**	7379.788	41.56	-3.61	54.0	-12.44	AV	49.00	300	Vertical	Pass
5	11938.962	52.61	1.69	74.0	-21.39	Peak	87.00	150	Vertical	Pass
5**	11938.962	43.66	1.69	54.0	-10.34	AV	87.00	150	Vertical	Pass
6	15672.150	54.78	1.47	74.0	-19.22	Peak	125.00	100	Vertical	Pass
6**	15672.150	43.28	1.47	54.0	-10.72	AV	125.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.500	38.87	-17.54	74.0	-35.13	Peak	150.00	400	Horizontal	Pass
1**	1498.500	29.17	-17.54	54.0	-24.83	AV	150.00	400	Horizontal	Pass
2	4227.800	49.03	-4.63	74.0	-24.97	Peak	75.00	400	Horizontal	Pass
2**	4227.800	40.25	-4.63	54.0	-13.75	AV	75.00	400	Horizontal	Pass
3	5218.600	96.81	W-3.00	--	--	Peak	179.00	200	Horizontal	N/A
3**	5218.600	88.57	-3.00	--	--	AV	179.00	200	Horizontal	N/A
4	7375.187	49.45	-3.74	74.0	-24.55	Peak	271.00	400	Horizontal	Pass
4**	7375.187	40.07	-3.74	54.0	-13.93	AV	271.00	400	Horizontal	Pass
5	11220.213	52.42	-0.21	74.0	-21.58	Peak	96.00	200	Horizontal	Pass
5**	11220.213	42.98	-0.21	54.0	-11.02	AV	96.00	200	Horizontal	Pass
6	15846.713	55.09	1.36	74.0	-18.91	Peak	301.00	100	Horizontal	Pass
6**	15846.713	45.92	1.36	54.0	-8.08	AV	301.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1608.200	38.65	-17.67	74.0	-35.35	Peak	84.00	400	Vertical	Pass
1**	1608.200	28.73	-17.67	54.0	-25.27	AV	84.00	400	Vertical	Pass
2	4309.800	49.44	-4.78	74.0	-24.56	Peak	193.00	100	Vertical	Pass
2**	4309.800	39.73	-4.78	54.0	-14.27	AV	193.00	100	Vertical	Pass
3	5219.200	84.78	-3.04	--	--	Peak	48.00	100	Vertical	N/A
3**	5219.200	78.00	-3.04	--	--	AV	48.00	100	Vertical	N/A
4	7374.038	49.48	-3.75	74.0	-24.52	Peak	129.00	300	Vertical	Pass
4**	7374.038	40.46	-3.75	54.0	-13.54	AV	129.00	300	Vertical	Pass
5	11722.762	52.61	0.82	74.0	-21.39	Peak	256.00	150	Vertical	Pass
5**	11722.762	42.13	0.82	54.0	-11.87	AV	256.00	150	Vertical	Pass
6	15992.401	54.28	0.24	74.0	-19.72	Peak	262.00	100	Vertical	Pass
6**	15992.401	44.51	0.24	54.0	-9.49	AV	262.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.700	38.19	-17.57	74.0	-35.81	Peak	74.00	200	Horizontal	Pass
1**	1532.700	29.27	-17.57	54.0	-24.73	AV	74.00	200	Horizontal	Pass
2	4232.400	49.56	-4.55	74.0	-24.44	Peak	247.00	200	Horizontal	Pass
2**	4232.400	40.55	-4.55	54.0	-13.45	AV	247.00	200	Horizontal	Pass
3	5238.600	96.09	-2.73	--	--	Peak	178.00	100	Horizontal	N/A
3**	5238.600	89.11	-2.73	--	--	AV	178.00	100	Horizontal	N/A
4	7376.337	49.29	-3.74	74.0	-24.71	Peak	360.00	400	Horizontal	Pass
4**	7376.337	40.96	-3.74	54.0	-13.04	AV	360.00	400	Horizontal	Pass
5	12005.662	52.63	1.27	74.0	-21.37	Peak	117.00	150	Horizontal	Pass
5**	12005.662	41.54	1.27	54.0	-12.46	AV	117.00	150	Horizontal	Pass
6	15845.662	54.70	1.36	74.0	-19.30	Peak	20.00	100	Horizontal	Pass
6**	15845.662	45.69	1.36	54.0	-8.31	AV	20.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1604.200	38.44	-17.59	74.0	-35.56	Peak	203.00	300	Vertical	Pass
1**	1604.200	29.44	-17.59	54.0	-24.56	AV	203.00	300	Vertical	Pass
2	4237.600	49.75	-4.77	74.0	-24.25	Peak	226.00	200	Vertical	Pass
2**	4237.600	40.11	-4.77	54.0	-13.89	AV	226.00	200	Vertical	Pass
3	5241.600	84.42	-2.70	--	--	Peak	65.00	100	Vertical	N/A
3**	5241.600	77.55	-2.70	--	--	AV	65.00	100	Vertical	N/A
4	7467.188	50.03	-3.84	74.0	-23.97	Peak	345.00	200	Vertical	Pass
4**	7467.188	40.18	-3.84	54.0	-13.82	AV	345.00	200	Vertical	Pass
5	11944.424	51.93	1.56	74.0	-22.07	Peak	223.00	100	Vertical	Pass
5**	11944.424	43.20	1.56	54.0	-10.80	AV	223.00	100	Vertical	Pass
6	15816.263	53.80	2.01	74.0	-20.20	Peak	77.00	400	Vertical	Pass
6**	15816.263	44.23	2.01	54.0	-9.77	AV	77.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1452.400	38.87	-17.37	74.0	-35.13	Peak	329.00	300	Horizontal	Pass
1**	1452.400	28.56	-17.37	54.0	-25.44	AV	329.00	300	Horizontal	Pass
2	4363.000	49.26	-3.82	74.0	-24.74	Peak	360.00	100	Horizontal	Pass
2**	4363.000	41.22	-3.82	54.0	-12.78	AV	360.00	100	Horizontal	Pass
3	5194.400	94.43	-2.81	--	--	Peak	245.00	200	Horizontal	N/A
3**	5194.400	86.44	-2.81	--	--	AV	245.00	200	Horizontal	N/A
4	7351.612	50.06	-3.85	74.0	-23.94	Peak	223.00	300	Horizontal	Pass
4**	7351.612	41.47	-3.85	54.0	-12.53	AV	223.00	300	Horizontal	Pass
5	11940.688	52.78	1.67	74.0	-21.22	Peak	135.00	200	Horizontal	Pass
5**	11940.688	42.66	1.67	54.0	-11.34	AV	135.00	200	Horizontal	Pass
6	15849.338	54.94	1.34	74.0	-19.06	Peak	326.00	300	Horizontal	Pass
6**	15849.338	46.07	1.34	54.0	-7.93	AV	326.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.500	39.04	-17.57	74.0	-34.96	Peak	326.00	300	Vertical	Pass
1**	1542.500	29.21	-17.57	54.0	-24.79	AV	326.00	300	Vertical	Pass
2	4232.800	49.37	-4.53	74.0	-24.63	Peak	359.00	300	Vertical	Pass
2**	4232.800	39.49	-4.53	54.0	-14.51	AV	359.00	300	Vertical	Pass
3	5196.400	83.35	-2.82	--	--	Peak	76.00	100	Vertical	N/A
3**	5196.400	75.97	-2.82	--	--	AV	76.00	100	Vertical	N/A
4	7387.262	49.43	-3.98	74.0	-24.57	Peak	131.00	400	Vertical	Pass
4**	7387.262	40.12	-3.98	54.0	-13.88	AV	131.00	400	Vertical	Pass
5	12237.963	52.47	1.10	74.0	-21.53	Peak	291.00	200	Vertical	Pass
5**	12237.963	43.32	1.10	54.0	-10.68	AV	291.00	200	Vertical	Pass
6	15865.875	54.72	0.78	74.0	-19.28	Peak	188.00	150	Vertical	Pass
6**	15865.875	44.54	0.78	54.0	-9.46	AV	188.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.000	38.47	-17.57	74.0	-35.53	Peak	47.00	100	Horizontal	Pass
1**	1530.000	28.74	-17.57	54.0	-25.26	AV	47.00	100	Horizontal	Pass
2	4269.200	49.37	-4.52	74.0	-24.63	Peak	78.00	100	Horizontal	Pass
2**	4269.200	40.30	-4.52	54.0	-13.70	AV	78.00	100	Horizontal	Pass
3	5227.600	94.47	-2.93	--	--	Peak	179.00	100	Horizontal	N/A
3**	5227.600	86.59	-2.93	--	--	AV	179.00	100	Horizontal	N/A
4	7336.088	50.85	-3.40	74.0	-23.15	Peak	0.00	200	Horizontal	Pass
4**	7336.088	40.86	-3.40	54.0	-13.14	AV	0.00	200	Horizontal	Pass
5	11063.525	51.73	-0.93	74.0	-22.27	Peak	310.00	200	Horizontal	Pass
5**	11063.525	42.48	-0.93	54.0	-11.52	AV	310.00	200	Horizontal	Pass
6	15844.612	54.58	1.37	74.0	-19.42	Peak	203.00	100	Horizontal	Pass
6**	15844.612	46.44	1.37	54.0	-7.56	AV	203.00	100	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.200	38.53	-17.47	74.0	-35.47	Peak	8.00	200	Vertical	Pass
1**	1594.200	28.94	-17.47	54.0	-25.06	AV	8.00	200	Vertical	Pass
2	4231.400	50.73	-4.60	74.0	-23.27	Peak	20.00	100	Vertical	Pass
2**	4231.400	40.22	-4.60	54.0	-13.78	AV	20.00	100	Vertical	Pass
3	5234.400	82.63	-2.82	--	--	Peak	54.00	150	Vertical	N/A
3**	5234.400	75.00	-2.82	--	--	AV	54.00	150	Vertical	N/A
4	7328.900	49.19	-3.59	74.0	-24.81	Peak	311.00	100	Vertical	Pass
4**	7328.900	40.35	-3.59	54.0	-13.65	AV	311.00	100	Vertical	Pass
5	11934.363	52.80	1.67	74.0	-21.20	Peak	75.00	100	Vertical	Pass
5**	11934.363	43.25	1.67	54.0	-10.75	AV	75.00	100	Vertical	Pass
6	15852.225	54.32	1.27	74.0	-19.68	Peak	0.00	300	Vertical	Pass
6**	15852.225	45.66	1.27	54.0	-8.34	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.100	38.78	-17.51	74.0	-35.22	Peak	181.00	200	Horizontal	Pass
1**	1483.100	29.55	-17.51	54.0	-24.45	AV	181.00	200	Horizontal	Pass
2	4276.400	49.67	-4.51	74.0	-24.33	Peak	360.00	300	Horizontal	Pass
2**	4276.400	40.06	-4.51	54.0	-13.94	AV	360.00	300	Horizontal	Pass
3	5203.400	91.48	-2.55	--	--	Peak	187.00	150	Horizontal	N/A
3**	5203.400	83.09	-2.55	--	--	AV	187.00	150	Horizontal	N/A
4	7678.500	49.64	-2.51	74.0	-24.36	Peak	313.00	400	Horizontal	Pass
4**	7678.500	40.29	-2.51	54.0	-13.71	AV	313.00	400	Horizontal	Pass
5	12229.913	52.51	1.30	74.0	-21.49	Peak	244.00	150	Horizontal	Pass
5**	12229.913	42.60	1.30	54.0	-11.40	AV	244.00	150	Horizontal	Pass
6	15861.412	54.88	0.90	74.0	-19.12	Peak	98.00	100	Horizontal	Pass
6**	15861.412	44.76	0.90	54.0	-9.24	AV	98.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.600	38.36	-17.50	74.0	-35.64	Peak	344.00	400	Vertical	Pass
1**	1527.600	29.85	-17.50	54.0	-24.15	AV	344.00	400	Vertical	Pass
2	4376.800	49.98	-4.43	74.0	-24.02	Peak	0.00	200	Vertical	Pass
2**	4376.800	40.00	-4.43	54.0	-14.00	AV	0.00	200	Vertical	Pass
3	5208.200	80.86	-2.58	--	--	Peak	63.00	100	Vertical	N/A
3**	5208.200	73.05	-2.58	--	--	AV	63.00	100	Vertical	N/A
4	7334.075	49.30	-3.46	74.0	-24.70	Peak	237.00	400	Vertical	Pass
4**	7334.075	40.84	-3.46	54.0	-13.16	AV	237.00	400	Vertical	Pass
5	11963.400	52.25	0.88	74.0	-21.75	Peak	290.00	200	Vertical	Pass
5**	11963.400	42.76	0.88	54.0	-11.24	AV	290.00	200	Vertical	Pass
6	16095.563	54.54	1.31	74.0	-19.46	Peak	100.00	200	Vertical	Pass
6**	16095.563	45.13	1.31	54.0	-8.87	AV	100.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1610.500	38.66	-17.74	74.0	-35.34	Peak	151.00	300	Horizontal	Pass
1**	1610.500	29.22	-17.74	54.0	-24.78	AV	151.00	300	Horizontal	Pass
2	4215.600	49.75	-5.17	74.0	-24.25	Peak	30.00	100	Horizontal	Pass
2**	4215.600	39.83	-5.17	54.0	-14.17	AV	30.00	100	Horizontal	Pass
3	5258.000	97.17	-2.89	--	--	Peak	181.00	150	Horizontal	N/A
3**	5258.000	89.63	-2.89	--	--	AV	181.00	150	Horizontal	N/A
4	7389.562	49.32	-4.05	74.0	-24.68	Peak	148.00	100	Horizontal	Pass
4**	7389.562	40.62	-4.05	54.0	-13.38	AV	148.00	100	Horizontal	Pass
5	11597.987	52.99	-0.11	74.0	-21.01	Peak	129.00	200	Horizontal	Pass
5**	11597.987	42.58	-0.11	54.0	-11.42	AV	129.00	200	Horizontal	Pass
6	16078.238	55.54	1.61	74.0	-18.46	Peak	162.00	200	Horizontal	Pass
6**	16078.238	44.43	1.61	54.0	-9.57	AV	162.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.700	38.66	-17.52	74.0	-35.34	Peak	318.00	400	Vertical	Pass
1**	1578.700	29.05	-17.52	54.0	-24.95	AV	318.00	400	Vertical	Pass
2	4374.600	49.89	-4.40	74.0	-24.11	Peak	73.00	300	Vertical	Pass
2**	4374.600	39.49	-4.40	54.0	-14.51	AV	73.00	300	Vertical	Pass
3	5258.200	86.31	-2.89	--	--	Peak	287.00	200	Vertical	N/A
3**	5258.200	78.68	-2.89	--	--	AV	287.00	200	Vertical	N/A
4	7345.000	49.73	-3.66	74.0	-24.27	Peak	0.00	400	Vertical	Pass
4**	7345.000	41.14	-3.66	54.0	-12.86	AV	0.00	400	Vertical	Pass
5	12216.401	52.20	1.19	74.0	-21.80	Peak	120.00	100	Vertical	Pass
5**	12216.401	43.27	1.19	54.0	-10.73	AV	120.00	100	Vertical	Pass
6	15829.913	54.48	1.50	74.0	-19.52	Peak	259.00	400	Vertical	Pass
6**	15829.913	45.70	1.50	54.0	-8.30	AV	259.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1609.400	38.65	-17.73	74.0	-35.35	Peak	25.00	400	Horizontal	Pass
1**	1609.400	29.07	-17.73	54.0	-24.93	AV	25.00	400	Horizontal	Pass
2	4340.000	49.49	-4.35	74.0	-24.51	Peak	288.00	400	Horizontal	Pass
2**	4340.000	39.50	-4.35	54.0	-14.50	AV	288.00	400	Horizontal	Pass
3	5298.800	97.06	-3.28	--	--	Peak	178.00	100	Horizontal	N/A
3**	5298.800	89.68	-3.28	--	--	AV	178.00	100	Horizontal	N/A
4	7342.700	49.42	-3.63	74.0	-24.58	Peak	345.00	400	Horizontal	Pass
4**	7342.700	40.59	-3.63	54.0	-13.41	AV	345.00	400	Horizontal	Pass
5	11641.113	52.46	-0.23	74.0	-21.54	Peak	81.00	150	Horizontal	Pass
5**	11641.113	42.32	-0.23	54.0	-11.68	AV	81.00	150	Horizontal	Pass
6	15845.925	54.93	1.36	74.0	-19.07	Peak	0.00	400	Horizontal	Pass
6**	15845.925	45.87	1.36	54.0	-8.13	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.700	38.52	-17.59	74.0	-35.48	Peak	240.00	300	Vertical	Pass
1**	1505.700	28.71	-17.59	54.0	-25.29	AV	240.00	300	Vertical	Pass
2	4241.400	48.97	-4.85	74.0	-25.03	Peak	309.00	100	Vertical	Pass
2**	4241.400	40.08	-4.85	54.0	-13.92	AV	309.00	100	Vertical	Pass
3	5301.600	87.33	-3.19	--	--	Peak	298.00	200	Vertical	N/A
3**	5301.600	79.83	-3.19	--	--	AV	298.00	200	Vertical	N/A
4	7374.612	49.79	-3.75	74.0	-24.21	Peak	50.00	100	Vertical	Pass
4**	7374.612	40.91	-3.75	54.0	-13.09	AV	50.00	100	Vertical	Pass
5	12211.225	52.38	1.06	74.0	-21.62	Peak	223.00	150	Vertical	Pass
5**	12211.225	43.34	1.06	54.0	-10.66	AV	223.00	150	Vertical	Pass
6	15841.724	53.86	1.42	74.0	-20.14	Peak	97.00	100	Vertical	Pass
6**	15841.724	46.01	1.42	54.0	-7.99	AV	97.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.800	38.25	-17.52	74.0	-35.75	Peak	251.00	100	Horizontal	Pass
1**	1540.800	28.91	-17.52	54.0	-25.09	AV	251.00	100	Horizontal	Pass
2	4230.400	49.62	-4.59	74.0	-24.38	Peak	316.00	200	Horizontal	Pass
2**	4230.400	40.34	-4.59	54.0	-13.66	AV	316.00	200	Horizontal	Pass
3	5318.600	97.79	-2.78	--	--	Peak	184.00	100	Horizontal	N/A
3**	5318.600	90.72	-2.78	--	--	AV	184.00	100	Horizontal	N/A
4	7371.737	49.51	-3.87	74.0	-24.49	Peak	52.00	400	Horizontal	Pass
4**	7371.737	40.85	-3.87	54.0	-13.15	AV	52.00	400	Horizontal	Pass
5	12312.138	51.95	1.38	74.0	-22.05	Peak	345.00	200	Horizontal	Pass
5**	12312.138	42.65	1.38	54.0	-11.35	AV	345.00	200	Horizontal	Pass
6	15621.750	54.71	1.66	74.0	-19.29	Peak	16.00	200	Horizontal	Pass
6**	15621.750	46.28	1.66	54.0	-7.72	AV	16.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.600	38.44	-17.54	74.0	-35.56	Peak	81.00	300	Vertical	Pass
1**	1587.600	29.46	-17.54	54.0	-24.54	AV	81.00	300	Vertical	Pass
2	4223.200	49.78	-4.84	74.0	-24.22	Peak	84.00	100	Vertical	Pass
2**	4223.200	40.52	-4.84	54.0	-13.48	AV	84.00	100	Vertical	Pass
3	5318.800	88.08	-2.78	--	--	Peak	295.00	150	Vertical	N/A
3**	5318.800	80.40	-2.78	--	--	AV	295.00	150	Vertical	N/A
4	7340.112	50.14	-3.52	74.0	-23.86	Peak	49.00	400	Vertical	Pass
4**	7340.112	40.64	-3.52	54.0	-13.36	AV	49.00	400	Vertical	Pass
5	11934.650	52.85	1.68	74.0	-21.15	Peak	205.00	200	Vertical	Pass
5**	11934.650	43.00	1.68	54.0	-11.00	AV	205.00	200	Vertical	Pass
6	15854.850	54.41	1.20	74.0	-19.59	Peak	136.00	400	Vertical	Pass
6**	15854.850	45.19	1.20	54.0	-8.81	AV	136.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1470.100	38.55	-17.50	74.0	-35.45	Peak	19.00	200	Horizontal	Pass
1**	1470.100	29.04	-17.50	54.0	-24.96	AV	19.00	200	Horizontal	Pass
2	4358.600	49.53	-3.79	74.0	-24.47	Peak	206.00	400	Horizontal	Pass
2**	4358.600	40.11	-3.79	54.0	-13.89	AV	206.00	400	Horizontal	Pass
3	5258.800	96.15	-2.89	--	--	Peak	184.00	100	Horizontal	N/A
3**	5258.800	89.16	-2.89	--	--	AV	184.00	100	Horizontal	N/A
4	7352.475	49.54	-3.84	74.0	-24.46	Peak	360.00	400	Horizontal	Pass
4**	7352.475	40.94	-3.84	54.0	-13.06	AV	360.00	400	Horizontal	Pass
5	11229.700	52.20	-0.28	74.0	-21.80	Peak	223.00	150	Horizontal	Pass
5**	11229.700	42.44	-0.28	54.0	-11.56	AV	223.00	150	Horizontal	Pass
6	15849.862	54.15	1.33	74.0	-19.85	Peak	37.00	300	Horizontal	Pass
6**	15849.862	45.97	1.33	54.0	-8.03	AV	37.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.700	39.04	-17.57	74.0	-34.96	Peak	166.00	300	Vertical	Pass
1**	1515.700	29.42	-17.57	54.0	-24.58	AV	166.00	300	Vertical	Pass
2	4349.200	49.58	-4.09	74.0	-24.42	Peak	239.00	200	Vertical	Pass
2**	4349.200	39.91	-4.09	54.0	-14.09	AV	239.00	200	Vertical	Pass
3	5259.200	85.38	-2.88	--	--	Peak	283.00	150	Vertical	N/A
3**	5259.200	79.03	-2.88	--	--	AV	283.00	150	Vertical	N/A
4	7624.737	49.38	-3.04	74.0	-24.62	Peak	258.00	300	Vertical	Pass
4**	7624.737	39.96	-3.04	54.0	-14.04	AV	258.00	300	Vertical	Pass
5	12227.325	52.11	1.31	74.0	-21.89	Peak	0.00	100	Vertical	Pass
5**	12227.325	43.63	1.31	54.0	-10.37	AV	0.00	100	Vertical	Pass
6	16136.513	54.64	1.05	74.0	-19.36	Peak	96.00	400	Vertical	Pass
6**	16136.513	45.22	1.05	54.0	-8.78	AV	96.00	400	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.500	38.21	-17.50	74.0	-35.79	Peak	360.00	150	Horizontal	Pass
1**	1492.500	28.22	-17.50	54.0	-25.78	AV	360.00	150	Horizontal	Pass
2	4228.400	49.92	-4.57	74.0	-24.08	Peak	130.00	300	Horizontal	Pass
2**	4228.400	39.94	-4.57	54.0	-14.06	AV	130.00	300	Horizontal	Pass
3	5297.800	96.46	-3.24	--	--	Peak	185.00	200	Horizontal	N/A
3**	5297.800	88.55	-3.24	--	--	AV	185.00	200	Horizontal	N/A
4	7338.387	49.72	-3.53	74.0	-24.28	Peak	244.00	300	Horizontal	Pass
4**	7338.387	41.23	-3.53	54.0	-12.77	AV	244.00	300	Horizontal	Pass
5	12336.575	52.80	1.33	74.0	-21.20	Peak	191.00	150	Horizontal	Pass
5**	12336.575	41.97	1.33	54.0	-12.03	AV	191.00	150	Horizontal	Pass
6	15853.275	54.50	1.24	74.0	-19.50	Peak	328.00	150	Horizontal	Pass
6**	15853.275	45.09	1.24	54.0	-8.91	AV	328.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.800	38.68	-17.43	74.0	-35.32	Peak	191.00	100	Vertical	Pass
1**	1448.800	28.88	-17.43	54.0	-25.12	AV	191.00	100	Vertical	Pass
2	4241.400	49.56	-4.85	74.0	-24.44	Peak	129.00	300	Vertical	Pass
2**	4241.400	39.88	-4.85	54.0	-14.12	AV	129.00	300	Vertical	Pass
3	5298.800	85.60	-3.28	--	--	Peak	284.00	100	Vertical	N/A
3**	5298.800	78.72	-3.28	--	--	AV	284.00	100	Vertical	N/A
4	7378.925	49.40	-3.66	74.0	-24.60	Peak	156.00	300	Vertical	Pass
4**	7378.925	40.22	-3.66	54.0	-13.78	AV	156.00	300	Vertical	Pass
5	10930.413	52.46	0.08	74.0	-21.54	Peak	156.00	100	Vertical	Pass
5**	10930.413	42.33	0.08	54.0	-11.67	AV	156.00	100	Vertical	Pass
6	15844.612	54.55	1.37	74.0	-19.45	Peak	37.00	100	Vertical	Pass
6**	15844.612	44.64	1.37	54.0	-9.36	AV	37.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.900	38.54	-17.61	74.0	-35.46	Peak	122.00	300	Horizontal	Pass
1**	1559.900	28.90	-17.61	54.0	-25.10	AV	122.00	300	Horizontal	Pass
2	4360.600	50.12	-3.75	74.0	-23.88	Peak	108.00	200	Horizontal	Pass
2**	4360.600	40.86	-3.75	54.0	-13.14	AV	108.00	200	Horizontal	Pass
3	5320.000	97.22	-2.78	--	--	Peak	175.00	200	Horizontal	N/A
3**	5320.000	88.95	-2.78	--	--	AV	175.00	200	Horizontal	N/A
4	7386.113	49.32	-3.92	74.0	-24.68	Peak	172.00	200	Horizontal	Pass
4**	7386.113	40.08	-3.92	54.0	-13.92	AV	172.00	200	Horizontal	Pass
5	11604.025	52.23	-0.01	74.0	-21.77	Peak	155.00	100	Horizontal	Pass
5**	11604.025	42.69	-0.01	54.0	-11.31	AV	155.00	100	Horizontal	Pass
6	15846.713	54.12	1.36	74.0	-19.88	Peak	0.00	100	Horizontal	Pass
6**	15846.713	45.35	1.36	54.0	-8.65	AV	0.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1562.500	38.75	-17.43	74.0	-35.25	Peak	318.00	300	Vertical	Pass
1**	1562.500	29.07	-17.43	54.0	-24.93	AV	318.00	300	Vertical	Pass
2	4226.000	49.32	-4.75	74.0	-24.68	Peak	186.00	400	Vertical	Pass
2**	4226.000	40.39	-4.75	54.0	-13.61	AV	186.00	400	Vertical	Pass
3	5321.400	87.18	-2.77	--	--	Peak	286.00	150	Vertical	N/A
3**	5321.400	80.49	-2.77	--	--	AV	286.00	150	Vertical	N/A
4	7349.025	49.42	-3.86	74.0	-24.58	Peak	295.00	400	Vertical	Pass
4**	7349.025	40.24	-3.86	54.0	-13.76	AV	295.00	400	Vertical	Pass
5	10944.500	51.85	-0.12	74.0	-22.15	Peak	125.00	100	Vertical	Pass
5**	10944.500	42.49	-0.12	54.0	-11.51	AV	125.00	100	Vertical	Pass
6	15837.000	55.51	1.45	74.0	-18.49	Peak	236.00	200	Vertical	Pass
6**	15837.000	45.90	1.45	54.0	-8.10	AV	236.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.300	38.19	-17.62	74.0	-35.81	Peak	39.00	300	Horizontal	Pass
1**	1618.300	28.48	-17.62	54.0	-25.52	AV	39.00	300	Horizontal	Pass
2	4357.600	49.21	-3.74	74.0	-24.79	Peak	353.00	100	Horizontal	Pass
2**	4357.600	40.62	-3.74	54.0	-13.38	AV	353.00	100	Horizontal	Pass
3	5267.600	93.44	-3.03	--	--	Peak	175.00	100	Horizontal	N/A
3**	5267.600	85.18	-3.03	--	--	AV	175.00	100	Horizontal	N/A
4	7334.938	49.96	-3.40	74.0	-24.04	Peak	294.00	400	Horizontal	Pass
4**	7334.938	40.47	-3.40	54.0	-13.53	AV	294.00	400	Horizontal	Pass
5	11219.637	52.74	-0.21	74.0	-21.26	Peak	207.00	100	Horizontal	Pass
5**	11219.637	42.42	-0.21	54.0	-11.58	AV	207.00	100	Horizontal	Pass
6	16092.937	54.67	1.37	74.0	-19.33	Peak	199.00	100	Horizontal	Pass
6**	16092.937	45.20	1.37	54.0	-8.80	AV	199.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.900	39.11	-17.48	74.0	-34.89	Peak	163.00	100	Vertical	Pass
1**	1438.900	29.36	-17.48	54.0	-24.64	AV	163.00	100	Vertical	Pass
2	4359.600	49.22	-3.77	74.0	-24.78	Peak	360.00	400	Vertical	Pass
2**	4359.600	41.31	-3.77	54.0	-12.69	AV	360.00	400	Vertical	Pass
3	5271.800	83.28	-3.11	--	--	Peak	287.00	200	Vertical	N/A
3**	5271.800	75.19	-3.11	--	--	AV	287.00	200	Vertical	N/A
4	7471.213	50.26	-4.05	74.0	-23.74	Peak	345.00	100	Vertical	Pass
4**	7471.213	39.90	-4.05	54.0	-14.10	AV	345.00	100	Vertical	Pass
5	12222.437	52.33	1.26	74.0	-21.67	Peak	169.00	100	Vertical	Pass
5**	12222.437	42.78	1.26	54.0	-11.22	AV	169.00	100	Vertical	Pass
6	15848.025	54.02	1.35	74.0	-19.98	Peak	161.00	150	Vertical	Pass
6**	15848.025	45.85	1.35	54.0	-8.15	AV	161.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.800	38.77	-17.51	74.0	-35.23	Peak	218.00	300	Horizontal	Pass
1**	1492.800	29.12	-17.51	54.0	-24.88	AV	218.00	300	Horizontal	Pass
2	4366.200	49.81	-4.06	74.0	-24.19	Peak	319.00	200	Horizontal	Pass
2**	4366.200	40.82	-4.06	54.0	-13.18	AV	319.00	200	Horizontal	Pass
3	5308.000	93.53	-2.95	--	--	Peak	186.00	150	Horizontal	N/A
3**	5308.000	86.10	-2.95	--	--	AV	186.00	150	Horizontal	N/A
4	7376.337	49.03	-3.74	74.0	-24.97	Peak	312.00	100	Horizontal	Pass
4**	7376.337	40.63	-3.74	54.0	-13.37	AV	312.00	100	Horizontal	Pass
5	12218.412	52.45	1.21	74.0	-21.55	Peak	360.00	150	Horizontal	Pass
5**	12218.412	43.06	1.21	54.0	-10.94	AV	360.00	150	Horizontal	Pass
6	15850.125	55.28	1.33	74.0	-18.72	Peak	360.00	150	Horizontal	Pass
6**	15850.125	45.71	1.33	54.0	-8.29	AV	360.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.300	38.39	-17.73	74.0	-35.61	Peak	34.00	200	Vertical	Pass
1**	1611.300	28.81	-17.73	54.0	-25.19	AV	34.00	200	Vertical	Pass
2	4149.200	49.27	-4.96	74.0	-24.73	Peak	144.00	300	Vertical	Pass
2**	4149.200	39.56	-4.96	54.0	-14.44	AV	144.00	300	Vertical	Pass
3	5306.400	83.58	-2.99	--	--	Peak	289.00	100	Vertical	N/A
3**	5306.400	75.10	-2.99	--	--	AV	289.00	100	Vertical	N/A
4	7352.187	49.60	-3.84	74.0	-24.40	Peak	15.00	400	Vertical	Pass
4**	7352.187	40.05	-3.84	54.0	-13.95	AV	15.00	400	Vertical	Pass
5	11615.813	52.01	-0.06	74.0	-21.99	Peak	241.00	100	Vertical	Pass
5**	11615.813	43.17	-0.06	54.0	-10.83	AV	241.00	100	Vertical	Pass
6	15844.088	55.23	1.38	74.0	-18.77	Peak	17.00	300	Vertical	Pass
6**	15844.088	46.84	1.38	54.0	-7.16	AV	17.00	300	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1519.800	38.01	-17.68	74.0	-35.99	Peak	43.00	150	Horizontal	Pass
1**	1519.800	28.48	-17.68	54.0	-25.52	AV	43.00	150	Horizontal	Pass
2	4060.600	49.29	-5.03	74.0	-24.71	Peak	10.00	150	Horizontal	Pass
2**	4060.600	40.01	-5.03	54.0	-13.99	AV	10.00	150	Horizontal	Pass
3	5258.800	95.40	-2.89	--	--	Peak	165.00	150	Horizontal	N/A
3**	5258.800	87.36	-2.89	--	--	AV	165.00	150	Horizontal	N/A
4	7683.388	49.55	-2.82	74.0	-24.45	Peak	92.00	150	Horizontal	Pass
4**	7683.388	39.95	-2.82	54.0	-14.05	AV	92.00	150	Horizontal	Pass
5	12223.875	52.15	1.29	74.0	-21.85	Peak	172.00	150	Horizontal	Pass
5**	12223.875	42.83	1.29	54.0	-11.17	AV	172.00	150	Horizontal	Pass
6	16001.325	54.14	0.29	74.0	-19.86	Peak	71.00	150	Horizontal	Pass
6**	16001.325	45.08	0.29	54.0	-8.92	AV	71.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.900	38.31	-17.54	74.0	-35.69	Peak	219.00	150	Vertical	Pass
1**	1579.900	29.65	-17.54	54.0	-24.35	AV	219.00	150	Vertical	Pass
2	4369.800	49.41	-4.36	74.0	-24.59	Peak	353.00	150	Vertical	Pass
2**	4369.800	41.19	-4.36	54.0	-12.81	AV	353.00	150	Vertical	Pass
3	5258.600	84.31	-2.89	--	--	Peak	280.00	150	Vertical	N/A
3**	5258.600	77.43	-2.89	--	--	AV	280.00	150	Vertical	N/A
4	7340.400	49.25	-3.55	74.0	-24.75	Peak	312.00	150	Vertical	Pass
4**	7340.400	40.71	-3.55	54.0	-13.29	AV	312.00	150	Vertical	Pass
5	12217.838	52.24	1.21	74.0	-21.76	Peak	76.00	150	Vertical	Pass
5**	12217.838	42.54	1.21	54.0	-11.46	AV	76.00	150	Vertical	Pass
6	15866.138	54.39	0.77	74.0	-19.61	Peak	217.00	150	Vertical	Pass
6**	15866.138	44.74	0.77	54.0	-9.26	AV	217.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.900	38.87	-17.53	74.0	-35.13	Peak	246.00	150	Horizontal	Pass
1**	1468.900	29.28	-17.53	54.0	-24.72	AV	246.00	150	Horizontal	Pass
2	4323.400	49.32	-4.38	74.0	-24.68	Peak	62.00	150	Horizontal	Pass
2**	4323.400	39.35	-4.38	54.0	-14.65	AV	62.00	150	Horizontal	Pass
3	5302.400	94.56	-3.14	--	--	Peak	166.00	150	Horizontal	N/A
3**	5302.400	87.83	-3.14	--	--	AV	166.00	150	Horizontal	N/A
4	7358.513	49.35	-4.09	74.0	-24.65	Peak	212.00	150	Horizontal	Pass
4**	7358.513	40.12	-4.09	54.0	-13.88	AV	212.00	150	Horizontal	Pass
5	10639.462	52.08	-0.91	74.0	-21.92	Peak	316.00	150	Horizontal	Pass
5**	10639.462	43.48	-0.91	54.0	-10.52	AV	316.00	150	Horizontal	Pass
6	15852.488	54.47	1.26	74.0	-19.53	Peak	0.00	150	Horizontal	Pass
6**	15852.488	45.27	1.26	54.0	-8.73	AV	0.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.600	38.84	-17.64	74.0	-35.16	Peak	109.00	150	Vertical	Pass
1**	1601.600	28.93	-17.64	54.0	-25.07	AV	109.00	150	Vertical	Pass
2	4144.600	49.33	-4.85	74.0	-24.67	Peak	0.00	150	Vertical	Pass
2**	4144.600	40.78	-4.85	54.0	-13.22	AV	0.00	150	Vertical	Pass
3	5301.600	85.07	-3.19	--	--	Peak	280.00	150	Vertical	N/A
3**	5301.600	77.63	-3.19	--	--	AV	280.00	150	Vertical	N/A
4	7378.350	49.23	-3.69	74.0	-24.77	Peak	129.00	150	Vertical	Pass
4**	7378.350	41.31	-3.69	54.0	-12.69	AV	129.00	150	Vertical	Pass
5	12220.713	51.81	1.24	74.0	-22.19	Peak	12.00	150	Vertical	Pass
5**	12220.713	42.63	1.24	54.0	-11.37	AV	12.00	150	Vertical	Pass
6	15834.637	54.45	1.45	74.0	-19.55	Peak	157.00	150	Vertical	Pass
6**	15834.637	45.29	1.45	54.0	-8.71	AV	157.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1620.400	38.80	-17.63	74.0	-35.20	Peak	28.00	300	Horizontal	Pass
1**	1620.400	29.62	-17.63	54.0	-24.38	AV	28.00	300	Horizontal	Pass
2	4360.800	49.35	-3.76	74.0	-24.65	Peak	19.00	200	Horizontal	Pass
2**	4360.800	40.00	-3.76	54.0	-14.00	AV	19.00	200	Horizontal	Pass
3	5316.600	95.57	-2.79	--	--	Peak	353.00	100	Horizontal	N/A
3**	5316.600	87.26	-2.79	--	--	AV	353.00	100	Horizontal	N/A
4	7353.337	49.78	-3.88	74.0	-24.22	Peak	360.00	200	Horizontal	Pass
4**	7353.337	40.71	-3.88	54.0	-13.29	AV	360.00	200	Horizontal	Pass
5	11707.525	52.02	0.53	74.0	-21.98	Peak	60.00	200	Horizontal	Pass
5**	11707.525	42.34	0.53	54.0	-11.66	AV	60.00	200	Horizontal	Pass
6	15857.475	54.04	1.06	74.0	-19.96	Peak	49.00	100	Horizontal	Pass
6**	15857.475	45.99	1.06	54.0	-8.01	AV	49.00	100	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1506.800	38.36	-17.58	74.0	-35.64	Peak	268.00	400	Vertical	Pass
1**	1506.800	29.46	-17.58	54.0	-24.54	AV	268.00	400	Vertical	Pass
2	4389.200	49.20	-4.73	74.0	-24.80	Peak	84.00	200	Vertical	Pass
2**	4389.200	39.21	-4.73	54.0	-14.79	AV	84.00	200	Vertical	Pass
3	5321.600	85.85	-2.76	--	--	Peak	106.00	100	Vertical	N/A
3**	5321.600	79.05	-2.76	--	--	AV	106.00	100	Vertical	N/A
4	7680.513	49.04	-2.64	74.0	-24.96	Peak	360.00	200	Vertical	Pass
4**	7680.513	39.64	-2.64	54.0	-14.36	AV	360.00	200	Vertical	Pass
5	12258.950	51.71	1.06	74.0	-22.29	Peak	351.00	150	Vertical	Pass
5**	12258.950	42.41	1.06	54.0	-11.59	AV	351.00	150	Vertical	Pass
6	15849.600	54.95	1.33	74.0	-19.05	Peak	288.00	300	Vertical	Pass
6**	15849.600	45.41	1.33	54.0	-8.59	AV	288.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.100	38.74	-17.51	74.0	-35.26	Peak	341.00	300	Horizontal	Pass
1**	1483.100	28.90	-17.51	54.0	-25.10	AV	341.00	300	Horizontal	Pass
2	4361.400	49.17	-3.77	74.0	-24.83	Peak	104.00	300	Horizontal	Pass
2**	4361.400	40.43	-3.77	54.0	-13.57	AV	104.00	300	Horizontal	Pass
3	5271.400	92.41	-3.11	--	--	Peak	353.00	200	Horizontal	N/A
3**	5271.400	84.70	-3.11	--	--	AV	353.00	200	Horizontal	N/A
4	7366.850	48.99	-4.02	74.0	-25.01	Peak	268.00	300	Horizontal	Pass
4**	7366.850	39.92	-4.02	54.0	-14.08	AV	268.00	300	Horizontal	Pass
5	12226.175	51.88	1.31	74.0	-22.12	Peak	173.00	100	Horizontal	Pass
5**	12226.175	42.82	1.31	54.0	-11.18	AV	173.00	100	Horizontal	Pass
6	16013.400	54.30	0.47	74.0	-19.70	Peak	272.00	200	Horizontal	Pass
6**	16013.400	44.37	0.47	54.0	-9.63	AV	272.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.300	38.10	-17.54	74.0	-35.90	Peak	360.00	400	Vertical	Pass
1**	1498.300	29.10	-17.54	54.0	-24.90	AV	360.00	400	Vertical	Pass
2	3940.600	50.19	-5.45	74.0	-23.81	Peak	227.00	200	Vertical	Pass
2**	3940.600	39.37	-5.45	54.0	-14.63	AV	227.00	200	Vertical	Pass
3	5275.400	82.21	-3.01	--	--	Peak	104.00	200	Vertical	N/A
3**	5275.400	74.50	-3.01	--	--	AV	104.00	200	Vertical	N/A
4	7385.538	49.86	-3.90	74.0	-24.14	Peak	208.00	200	Vertical	Pass
4**	7385.538	40.29	-3.90	54.0	-13.71	AV	208.00	200	Vertical	Pass
5	10930.700	53.01	0.07	74.0	-20.99	Peak	125.00	100	Vertical	Pass
5**	10930.700	42.40	0.07	54.0	-11.60	AV	125.00	100	Vertical	Pass
6	16085.325	54.59	1.52	74.0	-19.41	Peak	200.00	400	Vertical	Pass
6**	16085.325	45.04	1.52	54.0	-8.96	AV	200.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1568.100	38.46	-17.51	74.0	-35.54	Peak	341.00	200	Horizontal	Pass
1**	1568.100	29.50	-17.51	54.0	-24.50	AV	341.00	200	Horizontal	Pass
2	4386.600	50.17	-4.70	74.0	-23.83	Peak	159.00	200	Horizontal	Pass
2**	4386.600	39.59	-4.70	54.0	-14.41	AV	159.00	200	Horizontal	Pass
3	5311.600	92.95	-2.74	--	--	Peak	353.00	150	Horizontal	N/A
3**	5311.600	85.41	-2.74	--	--	AV	353.00	150	Horizontal	N/A
4	7366.850	49.58	-4.02	74.0	-24.42	Peak	206.00	300	Horizontal	Pass
4**	7366.850	40.17	-4.02	54.0	-13.83	AV	206.00	300	Horizontal	Pass
5	12213.526	52.15	1.14	74.0	-21.85	Peak	157.00	150	Horizontal	Pass
5**	12213.526	42.71	1.14	54.0	-11.29	AV	157.00	150	Horizontal	Pass
6	15844.612	54.94	1.37	74.0	-19.06	Peak	251.00	100	Horizontal	Pass
6**	15844.612	45.75	1.37	54.0	-8.25	AV	251.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.300	39.43	-17.55	74.0	-34.57	Peak	20.00	300	Vertical	Pass
1**	1523.300	29.02	-17.55	54.0	-24.98	AV	20.00	300	Vertical	Pass
2	4296.400	50.33	-5.00	74.0	-23.67	Peak	0.00	200	Vertical	Pass
2**	4296.400	39.90	-5.00	54.0	-14.10	AV	0.00	200	Vertical	Pass
3	5312.200	82.77	-2.70	--	--	Peak	110.00	100	Vertical	N/A
3**	5312.200	76.05	-2.70	--	--	AV	110.00	100	Vertical	N/A
4	7378.062	49.60	-3.71	74.0	-24.40	Peak	13.00	100	Vertical	Pass
4**	7378.062	40.08	-3.71	54.0	-13.92	AV	13.00	100	Vertical	Pass
5	12221.287	51.91	1.25	74.0	-22.09	Peak	360.00	100	Vertical	Pass
5**	12221.287	43.23	1.25	54.0	-10.77	AV	360.00	100	Vertical	Pass
6	16092.675	54.63	1.38	74.0	-19.37	Peak	33.00	200	Vertical	Pass
6**	16092.675	45.27	1.38	54.0	-8.73	AV	33.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.500	38.78	-17.53	74.0	-35.22	Peak	80.00	300	Horizontal	Pass
1**	1576.500	29.13	-17.53	54.0	-24.87	AV	80.00	300	Horizontal	Pass
2	4233.000	49.83	-4.52	74.0	-24.17	Peak	78.00	300	Horizontal	Pass
2**	4233.000	39.96	-4.52	54.0	-14.04	AV	78.00	300	Horizontal	Pass
3	5291.800	89.69	-3.22	--	--	Peak	353.00	100	Horizontal	N/A
3**	5291.800	82.29	-3.22	--	--	AV	353.00	100	Horizontal	N/A
4	7357.650	49.69	-4.12	74.0	-24.31	Peak	125.00	200	Horizontal	Pass
4**	7357.650	40.36	-4.12	54.0	-13.64	AV	125.00	200	Horizontal	Pass
5	12612.575	52.20	1.88	74.0	-21.80	Peak	61.00	100	Horizontal	Pass
5**	12612.575	42.46	1.88	54.0	-11.54	AV	61.00	100	Horizontal	Pass
6	15834.900	54.77	1.45	74.0	-19.23	Peak	9.00	300	Horizontal	Pass
6**	15834.900	46.30	1.45	54.0	-7.70	AV	9.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.400	38.48	-17.55	74.0	-35.52	Peak	137.00	200	Vertical	Pass
1**	1575.400	29.15	-17.55	54.0	-24.85	AV	137.00	200	Vertical	Pass
2	4217.400	49.04	-5.16	74.0	-24.96	Peak	203.00	400	Vertical	Pass
2**	4217.400	40.84	-5.16	54.0	-13.16	AV	203.00	400	Vertical	Pass
3	5282.800	80.93	-3.20	--	--	Peak	172.00	200	Vertical	N/A
3**	5282.800	71.73	-3.20	--	--	AV	172.00	200	Vertical	N/A
4	7335.225	49.67	-3.37	74.0	-24.33	Peak	159.00	400	Vertical	Pass
4**	7335.225	40.20	-3.37	54.0	-13.80	AV	159.00	400	Vertical	Pass
5	10939.037	51.96	-0.05	74.0	-22.04	Peak	45.00	150	Vertical	Pass
5**	10939.037	42.25	-0.05	54.0	-11.75	AV	45.00	150	Vertical	Pass
6	15852.750	54.60	1.26	74.0	-19.40	Peak	344.00	200	Vertical	Pass
6**	15852.750	45.42	1.26	54.0	-8.58	AV	344.00	200	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.400	38.62	-17.69	74.0	-35.38	Peak	27.00	300	Horizontal	Pass
1**	1622.400	28.88	-17.69	54.0	-25.12	AV	27.00	300	Horizontal	Pass
2	4381.400	49.22	-4.57	74.0	-24.78	Peak	86.00	200	Horizontal	Pass
2**	4381.400	40.10	-4.57	54.0	-13.90	AV	86.00	200	Horizontal	Pass
3	5498.200	96.91	-2.04	--	--	Peak	359.00	200	Horizontal	N/A
3**	5498.200	89.44	-2.04	--	--	AV	359.00	200	Horizontal	N/A
4	7351.325	49.25	-3.86	74.0	-24.75	Peak	331.00	200	Horizontal	Pass
4**	7351.325	40.07	-3.86	54.0	-13.93	AV	331.00	200	Horizontal	Pass
5	12233.938	52.10	1.19	74.0	-21.90	Peak	135.00	100	Horizontal	Pass
5**	12233.938	42.77	1.19	54.0	-11.23	AV	135.00	100	Horizontal	Pass
6	15636.712	54.41	1.48	74.0	-19.59	Peak	256.00	100	Horizontal	Pass
6**	15636.712	44.42	1.48	54.0	-9.58	AV	256.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.900	38.85	-17.58	74.0	-35.15	Peak	120.00	100	Vertical	Pass
1**	1542.900	29.17	-17.58	54.0	-24.83	AV	120.00	100	Vertical	Pass
2	4394.800	50.07	-4.63	74.0	-23.93	Peak	333.00	100	Vertical	Pass
2**	4394.800	39.83	-4.63	54.0	-14.17	AV	333.00	100	Vertical	Pass
3	5498.800	93.12	-2.07	--	--	Peak	147.00	100	Vertical	N/A
3**	5498.800	86.60	-2.07	--	--	AV	147.00	100	Vertical	N/A
4	7352.187	50.38	-3.84	74.0	-23.62	Peak	195.00	200	Vertical	Pass
4**	7352.187	41.59	-3.84	54.0	-12.41	AV	195.00	200	Vertical	Pass
5	11106.076	51.99	-0.87	74.0	-22.01	Peak	282.00	150	Vertical	Pass
5**	11106.076	42.63	-0.87	54.0	-11.37	AV	282.00	150	Vertical	Pass
6	15851.175	54.80	1.30	74.0	-19.20	Peak	153.00	300	Vertical	Pass
6**	15851.175	45.64	1.30	54.0	-8.36	AV	153.00	300	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.200	38.80	-17.52	74.0	-35.20	Peak	89.00	100	Horizontal	Pass
1**	1588.200	28.86	-17.52	54.0	-25.14	AV	89.00	100	Horizontal	Pass
2	4362.800	49.38	-3.81	74.0	-24.62	Peak	360.00	400	Horizontal	Pass
2**	4362.800	40.68	-3.81	54.0	-13.32	AV	360.00	400	Horizontal	Pass
3	5577.400	95.21	-2.17	--	--	Peak	352.00	200	Horizontal	N/A
3**	5577.400	87.60	-2.17	--	--	AV	352.00	200	Horizontal	N/A
4	7681.950	49.59	-2.64	74.0	-24.41	Peak	75.00	400	Horizontal	Pass
4**	7681.950	39.86	-2.64	54.0	-14.14	AV	75.00	400	Horizontal	Pass
5	11615.813	52.22	-0.06	74.0	-21.78	Peak	314.00	150	Horizontal	Pass
5**	11615.813	42.64	-0.06	54.0	-11.36	AV	314.00	150	Horizontal	Pass
6	15844.350	54.98	1.38	74.0	-19.02	Peak	254.00	100	Horizontal	Pass
6**	15844.350	46.17	1.38	54.0	-7.83	AV	254.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.300	38.85	-17.65	74.0	-35.15	Peak	176.00	150	Vertical	Pass
1**	1614.300	28.67	-17.65	54.0	-25.33	AV	176.00	150	Vertical	Pass
2	4364.800	49.23	-3.93	74.0	-24.77	Peak	287.00	150	Vertical	Pass
2**	4364.800	40.30	-3.93	54.0	-13.70	AV	287.00	150	Vertical	Pass
3	5578.600	92.01	-2.15	--	--	Peak	276.00	150	Vertical	N/A
3**	5578.600	84.45	-2.15	--	--	AV	276.00	150	Vertical	N/A
4	7369.438	49.50	-4.10	74.0	-24.50	Peak	348.00	150	Vertical	Pass
4**	7369.438	40.09	-4.10	54.0	-13.91	AV	348.00	150	Vertical	Pass
5	11028.737	52.37	-0.64	74.0	-21.63	Peak	170.00	150	Vertical	Pass
5**	11028.737	41.99	-0.64	54.0	-12.01	AV	170.00	150	Vertical	Pass
6	15855.112	54.99	1.19	74.0	-19.01	Peak	89.00	150	Vertical	Pass
6**	15855.112	45.56	1.19	54.0	-8.44	AV	89.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.100	38.37	-17.64	74.0	-35.63	Peak	149.00	150	Horizontal	Pass
1**	1522.100	28.65	-17.64	54.0	-25.35	AV	149.00	150	Horizontal	Pass
2	4249.400	49.51	-4.82	74.0	-24.49	Peak	100.00	150	Horizontal	Pass
2**	4249.400	40.18	-4.82	54.0	-13.82	AV	100.00	150	Horizontal	Pass
3	5701.400	98.76	-2.10	--	--	Peak	120.00	150	Horizontal	N/A
3**	5701.400	92.09	-2.10	--	--	AV	120.00	150	Horizontal	N/A
4	7662.400	49.22	-2.50	74.0	-24.78	Peak	266.00	150	Horizontal	Pass
4**	7662.400	39.45	-2.50	54.0	-14.55	AV	266.00	150	Horizontal	Pass
5	11604.312	52.86	-0.01	74.0	-21.14	Peak	330.00	150	Horizontal	Pass
5**	11604.312	43.18	-0.01	54.0	-10.82	AV	330.00	150	Horizontal	Pass
6	15859.313	54.42	0.96	74.0	-19.58	Peak	292.00	150	Horizontal	Pass
6**	15859.313	45.07	0.96	54.0	-8.93	AV	292.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.400	38.67	-17.53	74.0	-35.33	Peak	76.00	150	Vertical	Pass
1**	1576.400	29.65	-17.53	54.0	-24.35	AV	76.00	150	Vertical	Pass
2	4214.200	49.23	-5.24	74.0	-24.77	Peak	261.00	150	Vertical	Pass
2**	4214.200	40.22	-5.24	54.0	-13.78	AV	261.00	150	Vertical	Pass
3	5701.200	95.20	-2.10	--	--	Peak	323.00	150	Vertical	N/A
3**	5701.200	88.12	-2.10	--	--	AV	323.00	150	Vertical	N/A
4	7353.337	49.63	-3.88	74.0	-24.37	Peak	327.00	150	Vertical	Pass
4**	7353.337	40.70	-3.88	54.0	-13.30	AV	327.00	150	Vertical	Pass
5	11935.225	52.02	1.69	74.0	-21.98	Peak	264.00	150	Vertical	Pass
5**	11935.225	42.87	1.69	54.0	-11.13	AV	264.00	150	Vertical	Pass
6	15830.438	55.15	1.49	74.0	-18.85	Peak	217.00	150	Vertical	Pass
6**	15830.438	45.52	1.49	54.0	-8.48	AV	217.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.400	39.48	-17.43	74.0	-34.52	Peak	192.00	150	Horizontal	Pass
1**	1442.400	29.82	-17.43	54.0	-24.18	AV	192.00	150	Horizontal	Pass
2	4279.000	49.20	-4.55	74.0	-24.80	Peak	354.00	150	Horizontal	Pass
2**	4279.000	39.50	-4.55	54.0	-14.50	AV	354.00	150	Horizontal	Pass
3	5498.200	97.16	-2.04	--	--	Peak	169.00	150	Horizontal	N/A
3**	5498.200	89.83	-2.04	--	--	AV	169.00	150	Horizontal	N/A
4	7380.650	49.34	-3.65	74.0	-24.66	Peak	123.00	150	Horizontal	Pass
4**	7380.650	40.87	-3.65	54.0	-13.13	AV	123.00	150	Horizontal	Pass
5	12235.662	51.83	1.15	74.0	-22.17	Peak	284.00	150	Horizontal	Pass
5**	12235.662	42.64	1.15	54.0	-11.36	AV	284.00	150	Horizontal	Pass
6	15623.588	54.29	1.70	74.0	-19.71	Peak	91.00	150	Horizontal	Pass
6**	15623.588	45.10	1.70	54.0	-8.90	AV	91.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.700	38.82	-17.53	74.0	-35.18	Peak	202.00	150	Vertical	Pass
1**	1576.700	29.07	-17.53	54.0	-24.93	AV	202.00	150	Vertical	Pass
2	4356.400	49.39	-3.66	74.0	-24.61	Peak	0.00	150	Vertical	Pass
2**	4356.400	41.61	-3.66	54.0	-12.39	AV	0.00	150	Vertical	Pass
3	5501.400	91.05	-2.18	--	--	Peak	283.00	150	Vertical	N/A
3**	5501.400	83.98	-2.18	--	--	AV	283.00	150	Vertical	N/A
4	7320.563	49.96	-3.69	74.0	-24.04	Peak	190.00	150	Vertical	Pass
4**	7320.563	39.83	-3.69	54.0	-14.17	AV	190.00	150	Vertical	Pass
5	11021.263	51.77	-0.74	74.0	-22.23	Peak	271.00	150	Vertical	Pass
5**	11021.263	42.61	-0.74	54.0	-11.39	AV	271.00	150	Vertical	Pass
6	15845.137	54.48	1.37	74.0	-19.52	Peak	35.00	150	Vertical	Pass
6**	15845.137	45.14	1.37	54.0	-8.86	AV	35.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.000	38.50	-17.55	74.0	-35.50	Peak	37.00	150	Horizontal	Pass
1**	1547.000	28.91	-17.55	54.0	-25.09	AV	37.00	150	Horizontal	Pass
2	4354.000	49.96	-3.80	74.0	-24.04	Peak	282.00	150	Horizontal	Pass
2**	4354.000	40.61	-3.80	54.0	-13.39	AV	282.00	150	Horizontal	Pass
3	5578.600	94.79	-2.15	--	--	Peak	171.00	150	Horizontal	N/A
3**	5578.600	87.30	-2.15	--	--	AV	171.00	150	Horizontal	N/A
4	7337.238	50.41	-3.51	74.0	-23.59	Peak	12.00	150	Horizontal	Pass
4**	7337.238	41.12	-3.51	54.0	-12.88	AV	12.00	150	Horizontal	Pass
5	11936.663	52.19	1.69	74.0	-21.81	Peak	155.00	150	Horizontal	Pass
5**	11936.663	43.07	1.69	54.0	-10.93	AV	155.00	150	Horizontal	Pass
6	15851.175	54.58	1.30	74.0	-19.42	Peak	72.00	150	Horizontal	Pass
6**	15851.175	45.57	1.30	54.0	-8.43	AV	72.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.500	38.46	-17.67	74.0	-35.54	Peak	80.00	150	Vertical	Pass
1**	1600.500	29.23	-17.67	54.0	-24.77	AV	80.00	150	Vertical	Pass
2	4365.200	49.46	-3.96	74.0	-24.54	Peak	243.00	150	Vertical	Pass
2**	4365.200	40.92	-3.96	54.0	-13.08	AV	243.00	150	Vertical	Pass
3	5580.400	91.35	-2.24	--	--	Peak	263.00	150	Vertical	N/A
3**	5580.400	84.08	-2.24	--	--	AV	263.00	150	Vertical	N/A
4	7351.612	49.44	-3.85	74.0	-24.56	Peak	233.00	150	Vertical	Pass
4**	7351.612	40.59	-3.85	54.0	-13.41	AV	233.00	150	Vertical	Pass
5	11606.612	52.56	-0.02	74.0	-21.44	Peak	281.00	150	Vertical	Pass
5**	11606.612	42.72	-0.02	54.0	-11.28	AV	281.00	150	Vertical	Pass
6	15850.912	55.39	1.31	74.0	-18.61	Peak	143.00	150	Vertical	Pass
6**	15850.912	45.53	1.31	54.0	-8.47	AV	143.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.600	38.70	-17.45	74.0	-35.30	Peak	107.00	150	Horizontal	Pass
1**	1445.600	29.03	-17.45	54.0	-24.97	AV	107.00	150	Horizontal	Pass
2	4220.800	50.09	-4.95	74.0	-23.91	Peak	199.00	150	Horizontal	Pass
2**	4220.800	40.31	-4.95	54.0	-13.69	AV	199.00	150	Horizontal	Pass
3	5699.000	97.81	-2.03	--	--	Peak	118.00	150	Horizontal	N/A
3**	5699.000	90.24	-2.03	--	--	AV	118.00	150	Horizontal	N/A
4	7361.100	50.01	-4.01	74.0	-23.99	Peak	217.00	150	Horizontal	Pass
4**	7361.100	40.36	-4.01	54.0	-13.64	AV	217.00	150	Horizontal	Pass
5	12609.700	51.81	1.89	74.0	-22.19	Peak	217.00	150	Horizontal	Pass
5**	12609.700	42.29	1.89	54.0	-11.71	AV	217.00	150	Horizontal	Pass
6	15847.763	55.26	1.35	74.0	-18.74	Peak	219.00	150	Horizontal	Pass
6**	15847.763	45.43	1.35	54.0	-8.57	AV	219.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.200	38.74	-17.37	74.0	-35.26	Peak	100.00	150	Vertical	Pass
1**	1437.200	29.29	-17.37	54.0	-24.71	AV	100.00	150	Vertical	Pass
2	4252.600	49.68	-4.88	74.0	-24.32	Peak	334.00	150	Vertical	Pass
2**	4252.600	39.75	-4.88	54.0	-14.25	AV	334.00	150	Vertical	Pass
3	5701.400	94.57	-2.10	--	--	Peak	325.00	150	Vertical	N/A
3**	5701.400	86.66	-2.10	--	--	AV	325.00	150	Vertical	N/A
4	7377.775	49.09	-3.71	74.0	-24.91	Peak	29.00	150	Vertical	Pass
4**	7377.775	40.52	-3.71	54.0	-13.48	AV	29.00	150	Vertical	Pass
5	12217.263	52.07	1.20	74.0	-21.93	Peak	281.00	150	Vertical	Pass
5**	12217.263	43.05	1.20	54.0	-10.95	AV	281.00	150	Vertical	Pass
6	15835.425	54.86	1.45	74.0	-19.14	Peak	0.00	150	Vertical	Pass
6**	15835.425	45.38	1.45	54.0	-8.62	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.000	38.62	-17.51	74.0	-35.38	Peak	8.00	150	Horizontal	Pass
1**	1483.000	28.87	-17.51	54.0	-25.13	AV	8.00	150	Horizontal	Pass
2	4357.800	49.62	-3.75	74.0	-24.38	Peak	260.00	150	Horizontal	Pass
2**	4357.800	40.70	-3.75	54.0	-13.30	AV	260.00	150	Horizontal	Pass
3	5508.000	93.37	-2.48	--	--	Peak	167.00	150	Horizontal	N/A
3**	5508.000	85.45	-2.48	--	--	AV	167.00	150	Horizontal	N/A
4	7364.550	49.39	-4.02	74.0	-24.61	Peak	170.00	150	Horizontal	Pass
4**	7364.550	40.23	-4.02	54.0	-13.77	AV	170.00	150	Horizontal	Pass
5	12223.013	52.14	1.27	74.0	-21.86	Peak	217.00	150	Horizontal	Pass
5**	12223.013	43.04	1.27	54.0	-10.96	AV	217.00	150	Horizontal	Pass
6	15835.950	54.79	1.45	74.0	-19.21	Peak	164.00	150	Horizontal	Pass
6**	15835.950	45.72	1.45	54.0	-8.28	AV	164.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1567.000	38.36	-17.53	74.0	-35.64	Peak	344.00	150	Vertical	Pass
1**	1567.000	28.76	-17.53	54.0	-25.24	AV	344.00	150	Vertical	Pass
2	4260.800	49.52	-4.68	74.0	-24.48	Peak	212.00	150	Vertical	Pass
2**	4260.800	40.46	-4.68	54.0	-13.54	AV	212.00	150	Vertical	Pass
3	5511.800	87.62	-2.58	--	--	Peak	284.00	150	Vertical	N/A
3**	5511.800	80.32	-2.58	--	--	AV	284.00	150	Vertical	N/A
4	7353.625	49.34	-3.90	74.0	-24.66	Peak	360.00	150	Vertical	Pass
4**	7353.625	40.89	-3.90	54.0	-13.11	AV	360.00	150	Vertical	Pass
5	11602.300	51.57	-0.04	74.0	-22.43	Peak	122.00	150	Vertical	Pass
5**	11602.300	42.85	-0.04	54.0	-11.15	AV	122.00	150	Vertical	Pass
6	16079.287	54.67	1.63	74.0	-19.33	Peak	290.00	150	Vertical	Pass
6**	16079.287	45.70	1.63	54.0	-8.30	AV	290.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.100	38.64	-17.64	74.0	-35.36	Peak	271.00	150	Horizontal	Pass
1**	1617.100	28.71	-17.64	54.0	-25.29	AV	271.00	150	Horizontal	Pass
2	4288.400	49.28	-4.97	74.0	-24.72	Peak	323.00	150	Horizontal	Pass
2**	4288.400	40.05	-4.97	54.0	-13.95	AV	323.00	150	Horizontal	Pass
3	5591.600	91.87	-2.39	--	--	Peak	160.00	150	Horizontal	N/A
3**	5591.600	84.83	-2.39	--	--	AV	160.00	150	Horizontal	N/A
4	7343.275	49.48	-3.59	74.0	-24.52	Peak	298.00	150	Horizontal	Pass
4**	7343.275	41.05	-3.59	54.0	-12.95	AV	298.00	150	Horizontal	Pass
5	12221.000	52.19	1.24	74.0	-21.81	Peak	217.00	150	Horizontal	Pass
5**	12221.000	43.25	1.24	54.0	-10.75	AV	217.00	150	Horizontal	Pass
6	16094.513	54.26	1.33	74.0	-19.74	Peak	18.00	150	Horizontal	Pass
6**	16094.513	45.64	1.33	54.0	-8.36	AV	18.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.500	38.75	-17.52	74.0	-35.25	Peak	83.00	150	Vertical	Pass
1**	1571.500	28.46	-17.52	54.0	-25.54	AV	83.00	150	Vertical	Pass
2	4235.800	49.41	-4.68	74.0	-24.59	Peak	18.00	150	Vertical	Pass
2**	4235.800	39.73	-4.68	54.0	-14.27	AV	18.00	150	Vertical	Pass
3	5588.200	88.63	-2.31	--	--	Peak	314.00	150	Vertical	N/A
3**	5588.200	81.34	-2.31	--	--	AV	314.00	150	Vertical	N/A
4	7339.825	49.37	-3.50	74.0	-24.63	Peak	298.00	150	Vertical	Pass
4**	7339.825	40.45	-3.50	54.0	-13.55	AV	298.00	150	Vertical	Pass
5	12212.950	52.33	1.12	74.0	-21.67	Peak	250.00	150	Vertical	Pass
5**	12212.950	42.75	1.12	54.0	-11.25	AV	250.00	150	Vertical	Pass
6	15845.925	54.48	1.36	74.0	-19.52	Peak	346.00	150	Vertical	Pass
6**	15845.925	45.69	1.36	54.0	-8.31	AV	346.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.200	38.77	-17.47	74.0	-35.23	Peak	31.00	150	Horizontal	Pass
1**	1448.200	28.85	-17.47	54.0	-25.15	AV	31.00	150	Horizontal	Pass
2	4363.000	50.23	-3.82	74.0	-23.77	Peak	139.00	150	Horizontal	Pass
2**	4363.000	40.64	-3.82	54.0	-13.36	AV	139.00	150	Horizontal	Pass
3	5668.000	95.32	-2.39	--	--	Peak	119.00	150	Horizontal	N/A
3**	5668.000	88.60	-2.39	--	--	AV	119.00	150	Horizontal	N/A
4	7349.025	50.24	-3.86	74.0	-23.76	Peak	28.00	150	Horizontal	Pass
4**	7349.025	40.58	-3.86	54.0	-13.42	AV	28.00	150	Horizontal	Pass
5	11591.663	52.08	-0.20	74.0	-21.92	Peak	185.00	150	Horizontal	Pass
5**	11591.663	42.51	-0.20	54.0	-11.49	AV	185.00	150	Horizontal	Pass
6	16096.349	54.77	1.29	74.0	-19.23	Peak	92.00	150	Horizontal	Pass
6**	16096.349	44.59	1.29	54.0	-9.41	AV	92.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.000	39.12	-17.45	74.0	-34.88	Peak	252.00	150	Vertical	Pass
1**	1528.000	28.92	-17.45	54.0	-25.08	AV	252.00	150	Vertical	Pass
2	4360.000	50.22	-3.76	74.0	-23.78	Peak	232.00	150	Vertical	Pass
2**	4360.000	40.24	-3.76	54.0	-13.76	AV	232.00	150	Vertical	Pass
3	5668.600	91.49	-2.44	--	--	Peak	314.00	150	Vertical	N/A
3**	5668.600	84.48	-2.44	--	--	AV	314.00	150	Vertical	N/A
4	7381.800	49.17	-3.77	74.0	-24.83	Peak	127.00	150	Vertical	Pass
4**	7381.800	40.54	-3.77	54.0	-13.46	AV	127.00	150	Vertical	Pass
5	11978.637	51.56	0.85	74.0	-22.44	Peak	315.00	150	Vertical	Pass
5**	11978.637	41.77	0.85	54.0	-12.23	AV	315.00	150	Vertical	Pass
6	16096.874	54.41	1.28	74.0	-19.59	Peak	309.00	150	Vertical	Pass
6**	16096.874	45.49	1.28	54.0	-8.51	AV	309.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1603.700	38.78	-17.60	74.0	-35.22	Peak	260.00	150	Horizontal	Pass
1**	1603.700	28.57	-17.60	54.0	-25.43	AV	260.00	150	Horizontal	Pass
2	4233.200	48.99	-4.52	74.0	-25.01	Peak	180.00	150	Horizontal	Pass
2**	4233.200	41.20	-4.52	54.0	-12.80	AV	180.00	150	Horizontal	Pass
3	5499.600	95.77	-2.11	--	--	Peak	170.00	150	Horizontal	N/A
3**	5499.600	88.02	-2.11	--	--	AV	170.00	150	Horizontal	N/A
4	7359.088	49.34	-4.08	74.0	-24.66	Peak	312.00	150	Horizontal	Pass
4**	7359.088	39.91	-4.08	54.0	-14.09	AV	312.00	150	Horizontal	Pass
5	12219.850	52.20	1.22	74.0	-21.80	Peak	201.00	150	Horizontal	Pass
5**	12219.850	43.20	1.22	54.0	-10.80	AV	201.00	150	Horizontal	Pass
6	15625.425	54.87	1.72	74.0	-19.13	Peak	218.00	150	Horizontal	Pass
6**	15625.425	45.36	1.72	54.0	-8.64	AV	218.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1569.800	39.00	-17.48	74.0	-35.00	Peak	249.00	150	Vertical	Pass
1**	1569.800	28.58	-17.48	54.0	-25.42	AV	249.00	150	Vertical	Pass
2	4265.200	49.32	-4.65	74.0	-24.68	Peak	140.00	150	Vertical	Pass
2**	4265.200	41.41	-4.65	54.0	-12.59	AV	140.00	150	Vertical	Pass
3	5499.400	90.41	-2.10	--	--	Peak	313.00	150	Vertical	N/A
3**	5499.400	83.79	-2.10	--	--	AV	313.00	150	Vertical	N/A
4	7368.862	49.38	-4.07	74.0	-24.62	Peak	344.00	150	Vertical	Pass
4**	7368.862	40.36	-4.07	54.0	-13.64	AV	344.00	150	Vertical	Pass
5	11636.225	52.35	-0.22	74.0	-21.65	Peak	123.00	150	Vertical	Pass
5**	11636.225	42.56	-0.22	54.0	-11.44	AV	123.00	150	Vertical	Pass
6	15628.049	54.75	1.71	74.0	-19.25	Peak	272.00	150	Vertical	Pass
6**	15628.049	45.14	1.71	54.0	-8.86	AV	272.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1615.500	38.43	-17.66	74.0	-35.57	Peak	2.00	150	Horizontal	Pass
1**	1615.500	28.57	-17.66	54.0	-25.43	AV	2.00	150	Horizontal	Pass
2	4267.800	49.20	-4.52	74.0	-24.80	Peak	303.00	150	Horizontal	Pass
2**	4267.800	39.57	-4.52	54.0	-14.43	AV	303.00	150	Horizontal	Pass
3	5581.400	94.25	-2.29	--	--	Peak	171.00	150	Horizontal	N/A
3**	5581.400	86.49	-2.29	--	--	AV	171.00	150	Horizontal	N/A
4	7382.375	49.34	-3.83	74.0	-24.66	Peak	12.00	150	Horizontal	Pass
4**	7382.375	41.28	-3.83	54.0	-12.72	AV	12.00	150	Horizontal	Pass
5	11635.363	52.22	-0.22	74.0	-21.78	Peak	156.00	150	Horizontal	Pass
5**	11635.363	42.38	-0.22	54.0	-11.62	AV	156.00	150	Horizontal	Pass
6	16012.088	54.55	0.46	74.0	-19.45	Peak	142.00	150	Horizontal	Pass
6**	16012.088	44.89	0.46	54.0	-9.11	AV	142.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1625.700	38.57	-17.72	74.0	-35.43	Peak	191.00	150	Vertical	Pass
1**	1625.700	28.93	-17.72	54.0	-25.07	AV	191.00	150	Vertical	Pass
2	4246.600	49.91	-4.91	74.0	-24.09	Peak	8.00	150	Vertical	Pass
2**	4246.600	39.37	-4.91	54.0	-14.63	AV	8.00	150	Vertical	Pass
3	5581.000	90.75	-2.27	--	--	Peak	313.00	150	Vertical	N/A
3**	5581.000	83.74	-2.27	--	--	AV	313.00	150	Vertical	N/A
4	7380.650	49.25	-3.65	74.0	-24.75	Peak	299.00	150	Vertical	Pass
4**	7380.650	40.77	-3.65	54.0	-13.23	AV	299.00	150	Vertical	Pass
5	11632.487	52.30	-0.21	74.0	-21.70	Peak	28.00	150	Vertical	Pass
5**	11632.487	42.80	-0.21	54.0	-11.20	AV	28.00	150	Vertical	Pass
6	15864.037	54.98	0.84	74.0	-19.02	Peak	18.00	150	Vertical	Pass
6**	15864.037	46.09	0.84	54.0	-7.91	AV	18.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1550.000	38.50	-17.45	74.0	-35.50	Peak	326.00	150	Horizontal	Pass
1**	1550.000	29.12	-17.45	54.0	-24.88	AV	326.00	150	Horizontal	Pass
2	4358.400	49.58	-3.78	74.0	-24.42	Peak	34.00	150	Horizontal	Pass
2**	4358.400	40.84	-3.78	54.0	-13.16	AV	34.00	150	Horizontal	Pass
3	5697.600	96.35	-2.09	--	--	Peak	115.00	150	Horizontal	N/A
3**	5697.600	88.87	-2.09	--	--	AV	115.00	150	Horizontal	N/A
4	7350.175	49.21	-3.87	74.0	-24.79	Peak	346.00	150	Horizontal	Pass
4**	7350.175	40.00	-3.87	54.0	-14.00	AV	346.00	150	Horizontal	Pass
5	11599.713	52.31	-0.07	74.0	-21.69	Peak	27.00	150	Horizontal	Pass
5**	11599.713	42.70	-0.07	54.0	-11.30	AV	27.00	150	Horizontal	Pass
6	15856.687	55.11	1.10	74.0	-18.89	Peak	346.00	150	Horizontal	Pass
6**	15856.687	45.35	1.10	54.0	-8.65	AV	346.00	150	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.800	38.78	-17.57	74.0	-35.22	Peak	278.00	150	Vertical	Pass
1**	1515.800	29.61	-17.57	54.0	-24.39	AV	278.00	150	Vertical	Pass
2	4185.000	49.89	-4.95	74.0	-24.11	Peak	48.00	150	Vertical	Pass
2**	4185.000	39.43	-4.95	54.0	-14.57	AV	48.00	150	Vertical	Pass
3	5701.800	93.35	-2.12	--	--	Peak	313.00	150	Vertical	N/A
3**	5701.800	86.70	-2.12	--	--	AV	313.00	150	Vertical	N/A
4	7352.475	49.08	-3.84	74.0	-24.92	Peak	12.00	150	Vertical	Pass
4**	7352.475	39.94	-3.84	54.0	-14.06	AV	12.00	150	Vertical	Pass
5	11930.912	52.23	1.59	74.0	-21.77	Peak	360.00	150	Vertical	Pass
5**	11930.912	42.40	1.59	54.0	-11.60	AV	360.00	150	Vertical	Pass
6	15840.938	54.73	1.43	74.0	-19.27	Peak	0.00	150	Vertical	Pass
6**	15840.938	45.71	1.43	54.0	-8.29	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.000	38.10	-17.70	74.0	-35.90	Peak	233.00	150	Horizontal	Pass
1**	1526.000	28.41	-17.70	54.0	-25.59	AV	233.00	150	Horizontal	Pass
2	4370.800	49.89	-4.39	74.0	-24.11	Peak	210.00	150	Horizontal	Pass
2**	4370.800	40.10	-4.39	54.0	-13.90	AV	210.00	150	Horizontal	Pass
3	5503.400	92.52	-2.23	--	--	Peak	168.00	150	Horizontal	N/A
3**	5503.400	83.95	-2.23	--	--	AV	168.00	150	Horizontal	N/A
4	7350.750	49.44	-3.87	74.0	-24.56	Peak	92.00	150	Horizontal	Pass
4**	7350.750	40.41	-3.87	54.0	-13.59	AV	92.00	150	Horizontal	Pass
5	10936.738	51.85	-0.03	74.0	-22.15	Peak	107.00	150	Horizontal	Pass
5**	10936.738	42.58	-0.03	54.0	-11.42	AV	107.00	150	Horizontal	Pass
6	15849.600	54.60	1.33	74.0	-19.40	Peak	273.00	150	Horizontal	Pass
6**	15849.600	45.61	1.33	54.0	-8.39	AV	273.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.400	38.67	-17.49	74.0	-35.33	Peak	71.00	150	Vertical	Pass
1**	1594.400	29.28	-17.49	54.0	-24.72	AV	71.00	150	Vertical	Pass
2	4257.600	49.34	-4.85	74.0	-24.66	Peak	202.00	150	Vertical	Pass
2**	4257.600	39.72	-4.85	54.0	-14.28	AV	202.00	150	Vertical	Pass
3	5514.400	86.80	-2.52	--	--	Peak	293.00	150	Vertical	N/A
3**	5514.400	78.74	-2.52	--	--	AV	293.00	150	Vertical	N/A
4	7336.663	49.84	-3.46	74.0	-24.16	Peak	189.00	150	Vertical	Pass
4**	7336.663	40.96	-3.46	54.0	-13.04	AV	189.00	150	Vertical	Pass
5	11967.713	51.80	0.83	74.0	-22.20	Peak	204.00	150	Vertical	Pass
5**	11967.713	42.41	0.83	54.0	-11.59	AV	204.00	150	Vertical	Pass
6	15849.862	54.34	1.33	74.0	-19.66	Peak	272.00	150	Vertical	Pass
6**	15849.862	46.29	1.33	54.0	-7.71	AV	272.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.800	38.73	-17.44	74.0	-35.27	Peak	109.00	150	Horizontal	Pass
1**	1441.800	29.04	-17.44	54.0	-24.96	AV	109.00	150	Horizontal	Pass
2	4362.600	49.29	-3.81	74.0	-24.71	Peak	147.00	150	Horizontal	Pass
2**	4362.600	41.21	-3.81	54.0	-12.79	AV	147.00	150	Horizontal	Pass
3	5587.800	91.53	-2.30	--	--	Peak	179.00	150	Horizontal	N/A
3**	5587.800	84.25	-2.30	--	--	AV	179.00	150	Horizontal	N/A
4	7342.125	50.12	-3.67	74.0	-23.88	Peak	250.00	150	Horizontal	Pass
4**	7342.125	40.12	-3.67	54.0	-13.88	AV	250.00	150	Horizontal	Pass
5	11620.700	53.00	-0.04	74.0	-21.00	Peak	235.00	150	Horizontal	Pass
5**	11620.700	42.37	-0.04	54.0	-11.63	AV	235.00	150	Horizontal	Pass
6	15842.513	54.90	1.41	74.0	-19.10	Peak	198.00	150	Horizontal	Pass
6**	15842.513	45.42	1.41	54.0	-8.58	AV	198.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.600	38.64	-17.53	74.0	-35.36	Peak	20.00	150	Vertical	Pass
1**	1468.600	28.89	-17.53	54.0	-25.11	AV	20.00	150	Vertical	Pass
2	3842.200	49.01	-5.05	74.0	-24.99	Peak	301.00	150	Vertical	Pass
2**	3842.200	39.06	-5.05	54.0	-14.94	AV	301.00	150	Vertical	Pass
3	5587.600	87.99	-2.29	--	--	Peak	292.00	150	Vertical	N/A
3**	5587.600	80.18	-2.29	--	--	AV	292.00	150	Vertical	N/A
4	7342.125	49.55	-3.67	74.0	-24.45	Peak	29.00	150	Vertical	Pass
4**	7342.125	40.84	-3.67	54.0	-13.16	AV	29.00	150	Vertical	Pass
5	12231.349	52.40	1.26	74.0	-21.60	Peak	235.00	150	Vertical	Pass
5**	12231.349	42.50	1.26	54.0	-11.50	AV	235.00	150	Vertical	Pass
6	15624.637	54.61	1.71	74.0	-19.39	Peak	198.00	150	Vertical	Pass
6**	15624.637	44.99	1.71	54.0	-9.01	AV	198.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1591.900	38.17	-17.52	74.0	-35.83	Peak	188.00	150	Horizontal	Pass
1**	1591.900	28.80	-17.52	54.0	-25.20	AV	188.00	150	Horizontal	Pass
2	4042.000	49.91	-4.86	74.0	-24.09	Peak	12.00	150	Horizontal	Pass
2**	4042.000	39.30	-4.86	54.0	-14.70	AV	12.00	150	Horizontal	Pass
3	5667.400	94.19	-2.34	--	--	Peak	116.00	150	Horizontal	N/A
3**	5667.400	86.75	-2.34	--	--	AV	116.00	150	Horizontal	N/A
4	7737.150	49.38	-3.28	74.0	-24.62	Peak	66.00	150	Horizontal	Pass
4**	7737.150	39.79	-3.28	54.0	-14.21	AV	66.00	150	Horizontal	Pass
5	11025.863	52.18	-0.68	74.0	-21.82	Peak	326.00	150	Horizontal	Pass
5**	11025.863	42.67	-0.68	54.0	-11.33	AV	326.00	150	Horizontal	Pass
6	15852.488	55.07	1.26	74.0	-18.93	Peak	100.00	150	Horizontal	Pass
6**	15852.488	45.86	1.26	54.0	-8.14	AV	100.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.900	38.88	-17.60	74.0	-35.12	Peak	354.00	150	Vertical	Pass
1**	1509.900	29.27	-17.60	54.0	-24.73	AV	354.00	150	Vertical	Pass
2	4289.600	49.88	-4.97	74.0	-24.12	Peak	0.00	150	Vertical	Pass
2**	4289.600	39.40	-4.97	54.0	-14.60	AV	0.00	150	Vertical	Pass
3	5663.400	91.43	-2.30	--	--	Peak	314.00	150	Vertical	N/A
3**	5663.400	82.50	-2.30	--	--	AV	314.00	150	Vertical	N/A
4	7343.275	50.14	-3.59	74.0	-23.86	Peak	202.00	150	Vertical	Pass
4**	7343.275	41.07	-3.59	54.0	-12.93	AV	202.00	150	Vertical	Pass
5	11594.537	52.56	-0.17	74.0	-21.44	Peak	202.00	150	Vertical	Pass
5**	11594.537	42.57	-0.17	54.0	-11.43	AV	202.00	150	Vertical	Pass
6	16087.687	55.57	1.48	74.0	-18.43	Peak	0.00	150	Vertical	Pass
6**	16087.687	45.68	1.48	54.0	-8.32	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.700	38.71	-17.33	74.0	-35.29	Peak	121.00	150	Horizontal	Pass
1**	1451.700	29.34	-17.33	54.0	-24.66	AV	121.00	150	Horizontal	Pass
2	4356.800	49.05	-3.69	74.0	-24.95	Peak	354.00	150	Horizontal	Pass
2**	4356.800	40.61	-3.69	54.0	-13.39	AV	354.00	150	Horizontal	Pass
3	5523.400	90.33	-2.40	--	--	Peak	158.00	150	Horizontal	N/A
3**	5523.400	82.46	-2.40	--	--	AV	158.00	150	Horizontal	N/A
4	7380.362	50.39	-3.61	74.0	-23.61	Peak	122.00	150	Horizontal	Pass
4**	7380.362	40.58	-3.61	54.0	-13.42	AV	122.00	150	Horizontal	Pass
5	11598.276	51.71	-0.10	74.0	-22.29	Peak	75.00	150	Horizontal	Pass
5**	11598.276	43.42	-0.10	54.0	-10.58	AV	75.00	150	Horizontal	Pass
6	15845.137	55.56	1.37	74.0	-18.44	Peak	326.00	150	Horizontal	Pass
6**	15845.137	45.48	1.37	54.0	-8.52	AV	326.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1446.600	38.33	-17.49	74.0	-35.67	Peak	315.00	150	Vertical	Pass
1**	1446.600	28.36	-17.49	54.0	-25.64	AV	315.00	150	Vertical	Pass
2	4268.200	48.97	-4.52	74.0	-25.03	Peak	323.00	150	Vertical	Pass
2**	4268.200	40.41	-4.52	54.0	-13.59	AV	323.00	150	Vertical	Pass
3	5538.400	85.45	-2.08	--	--	Peak	272.00	150	Vertical	N/A
3**	5538.400	77.06	-2.08	--	--	AV	272.00	150	Vertical	N/A
4	7343.275	49.85	-3.59	74.0	-24.15	Peak	105.00	150	Vertical	Pass
4**	7343.275	40.23	-3.59	54.0	-13.77	AV	105.00	150	Vertical	Pass
5	11611.500	52.31	-0.07	74.0	-21.69	Peak	167.00	150	Vertical	Pass
5**	11611.500	43.45	-0.07	54.0	-10.55	AV	167.00	150	Vertical	Pass
6	16078.238	54.37	1.61	74.0	-19.63	Peak	309.00	150	Vertical	Pass
6**	16078.238	44.92	1.61	54.0	-9.08	AV	309.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.200	38.86	-17.56	74.0	-35.14	Peak	287.00	150	Horizontal	Pass
1**	1606.200	28.67	-17.56	54.0	-25.33	AV	287.00	150	Horizontal	Pass
2	4242.200	49.04	-4.87	74.0	-24.96	Peak	321.00	150	Horizontal	Pass
2**	4242.200	39.46	-4.87	54.0	-14.54	AV	321.00	150	Horizontal	Pass
3	5603.200	89.13	-2.61	--	--	Peak	156.00	150	Horizontal	N/A
3**	5603.200	81.11	-2.61	--	--	AV	156.00	150	Horizontal	N/A
4	7349.313	49.67	-3.86	74.0	-24.33	Peak	42.00	150	Horizontal	Pass
4**	7349.313	40.83	-3.86	54.0	-13.17	AV	42.00	150	Horizontal	Pass
5	12633.850	51.79	1.30	74.0	-22.21	Peak	344.00	150	Horizontal	Pass
5**	12633.850	41.63	1.30	54.0	-12.37	AV	344.00	150	Horizontal	Pass
6	15634.350	54.72	1.57	74.0	-19.28	Peak	146.00	150	Horizontal	Pass
6**	15634.350	45.33	1.57	54.0	-8.67	AV	146.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.100	39.12	-17.57	74.0	-34.88	Peak	102.00	150	Vertical	Pass
1**	1494.100	28.82	-17.57	54.0	-25.18	AV	102.00	150	Vertical	Pass
2	4361.000	49.19	-3.76	74.0	-24.81	Peak	233.00	150	Vertical	Pass
2**	4361.000	40.71	-3.76	54.0	-13.29	AV	233.00	150	Vertical	Pass
3	5616.600	86.02	-2.63	--	--	Peak	315.00	150	Vertical	N/A
3**	5616.600	78.80	-2.63	--	--	AV	315.00	150	Vertical	N/A
4	7374.900	49.28	-3.74	74.0	-24.72	Peak	360.00	150	Vertical	Pass
4**	7374.900	40.25	-3.74	54.0	-13.75	AV	360.00	150	Vertical	Pass
5	12219.275	51.85	1.22	74.0	-22.15	Peak	107.00	150	Vertical	Pass
5**	12219.275	43.06	1.22	54.0	-10.94	AV	107.00	150	Vertical	Pass
6	15838.576	54.49	1.45	74.0	-19.51	Peak	199.00	150	Vertical	Pass
6**	15838.576	45.90	1.45	54.0	-8.10	AV	199.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.300	38.44	-17.52	74.0	-35.56	Peak	238.00	150	Horizontal	Pass
1**	1577.300	28.80	-17.52	54.0	-25.20	AV	238.00	150	Horizontal	Pass
2	4232.800	50.09	-4.53	74.0	-23.91	Peak	328.00	150	Horizontal	Pass
2**	4232.800	40.28	-4.53	54.0	-13.72	AV	328.00	150	Horizontal	Pass
3	5743.600	98.17	-2.28	--	--	Peak	115.00	150	Horizontal	N/A
3**	5743.600	91.42	-2.28	--	--	AV	115.00	150	Horizontal	N/A
4	7384.388	49.40	-3.86	74.0	-24.60	Peak	357.00	150	Horizontal	Pass
4**	7384.388	40.38	-3.86	54.0	-13.62	AV	357.00	150	Horizontal	Pass
5	11942.988	52.52	1.60	74.0	-21.48	Peak	279.00	150	Horizontal	Pass
5**	11942.988	43.26	1.60	54.0	-10.74	AV	279.00	150	Horizontal	Pass
6	15843.562	54.96	1.39	74.0	-19.04	Peak	254.00	150	Horizontal	Pass
6**	15843.562	45.17	1.39	54.0	-8.83	AV	254.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.900	38.65	-17.51	74.0	-35.35	Peak	312.00	150	Vertical	Pass
1**	1538.900	28.68	-17.51	54.0	-25.32	AV	312.00	150	Vertical	Pass
2	4152.800	49.30	-4.90	74.0	-24.70	Peak	208.00	150	Vertical	Pass
2**	4152.800	39.42	-4.90	54.0	-14.58	AV	208.00	150	Vertical	Pass
3	5746.400	94.57	-2.43	--	--	Peak	313.00	150	Vertical	N/A
3**	5746.400	87.33	-2.43	--	--	AV	313.00	150	Vertical	N/A
4	7377.487	49.23	-3.72	74.0	-24.77	Peak	28.00	150	Vertical	Pass
4**	7377.487	40.34	-3.72	54.0	-13.66	AV	28.00	150	Vertical	Pass
5	12087.312	52.79	0.54	74.0	-21.21	Peak	360.00	150	Vertical	Pass
5**	12087.312	41.98	0.54	54.0	-12.02	AV	360.00	150	Vertical	Pass
6	15853.275	54.06	1.24	74.0	-19.94	Peak	0.00	150	Vertical	Pass
6**	15853.275	45.77	1.24	54.0	-8.23	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1544.500	39.28	-17.51	74.0	-34.72	Peak	340.00	150	Horizontal	Pass
1**	1544.500	29.84	-17.51	54.0	-24.16	AV	340.00	150	Horizontal	Pass
2	4221.600	49.62	-4.91	74.0	-24.38	Peak	333.00	150	Horizontal	Pass
2**	4221.600	40.51	-4.91	54.0	-13.49	AV	333.00	150	Horizontal	Pass
3	5786.200	97.22	-2.45	--	--	Peak	130.00	150	Horizontal	N/A
3**	5786.200	90.96	-2.45	--	--	AV	130.00	150	Horizontal	N/A
4	7331.775	49.68	-3.59	74.0	-24.32	Peak	0.00	150	Horizontal	Pass
4**	7331.775	40.05	-3.59	54.0	-13.95	AV	0.00	150	Horizontal	Pass
5	12225.599	52.80	1.31	74.0	-21.20	Peak	280.00	150	Horizontal	Pass
5**	12225.599	42.49	1.31	54.0	-11.51	AV	280.00	150	Horizontal	Pass
6	16098.713	54.62	1.23	74.0	-19.38	Peak	272.00	150	Horizontal	Pass
6**	16098.713	45.21	1.23	54.0	-8.79	AV	272.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.800	38.58	-17.48	74.0	-35.42	Peak	145.00	150	Vertical	Pass
1**	1456.800	28.90	-17.48	54.0	-25.10	AV	145.00	150	Vertical	Pass
2	4224.800	49.51	-4.79	74.0	-24.49	Peak	360.00	150	Vertical	Pass
2**	4224.800	40.13	-4.79	54.0	-13.87	AV	360.00	150	Vertical	Pass
3	5783.200	94.46	-2.23	--	--	Peak	313.00	150	Vertical	N/A
3**	5783.200	86.58	-2.23	--	--	AV	313.00	150	Vertical	N/A
4	7349.887	49.42	-3.87	74.0	-24.58	Peak	360.00	150	Vertical	Pass
4**	7349.887	40.39	-3.87	54.0	-13.61	AV	360.00	150	Vertical	Pass
5	11326.875	52.52	0.48	74.0	-21.48	Peak	124.00	150	Vertical	Pass
5**	11326.875	42.43	0.48	54.0	-11.57	AV	124.00	150	Vertical	Pass
6	16122.863	54.13	0.72	74.0	-19.87	Peak	90.00	150	Vertical	Pass
6**	16122.863	44.95	0.72	54.0	-9.05	AV	90.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.800	38.42	-17.57	74.0	-35.58	Peak	305.00	150	Horizontal	Pass
1**	1598.800	28.72	-17.57	54.0	-25.28	AV	305.00	150	Horizontal	Pass
2	4233.000	50.06	-4.52	74.0	-23.94	Peak	303.00	150	Horizontal	Pass
2**	4233.000	40.27	-4.52	54.0	-13.73	AV	303.00	150	Horizontal	Pass
3	5826.200	96.02	-2.36	--	--	Peak	120.00	150	Horizontal	N/A
3**	5826.200	88.94	-2.36	--	--	AV	120.00	150	Horizontal	N/A
4	7675.050	48.98	-2.42	74.0	-25.02	Peak	296.00	150	Horizontal	Pass
4**	7675.050	39.30	-2.42	54.0	-14.70	AV	296.00	150	Horizontal	Pass
5	11600.000	51.69	-0.07	74.0	-22.31	Peak	296.00	150	Horizontal	Pass
5**	11600.000	42.10	-0.07	54.0	-11.90	AV	296.00	150	Horizontal	Pass
6	15856.162	54.03	1.13	74.0	-19.97	Peak	238.00	150	Horizontal	Pass
6**	15856.162	44.98	1.13	54.0	-9.02	AV	238.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1558.600	38.34	-17.57	74.0	-35.66	Peak	88.00	100	Vertical	Pass
1**	1558.600	29.40	-17.57	54.0	-24.60	AV	88.00	100	Vertical	Pass
2	4222.400	49.74	-4.87	74.0	-24.26	Peak	360.00	200	Vertical	Pass
2**	4222.400	40.30	-4.87	54.0	-13.70	AV	360.00	200	Vertical	Pass
3	5823.000	92.58	-2.41	--	--	Peak	353.00	100	Vertical	N/A
3**	5823.000	85.24	-2.41	--	--	AV	353.00	100	Vertical	N/A
4	7373.463	48.93	-3.77	74.0	-25.07	Peak	168.00	100	Vertical	Pass
4**	7373.463	40.23	-3.77	54.0	-13.77	AV	168.00	100	Vertical	Pass
5	11725.062	51.61	0.85	74.0	-22.39	Peak	74.00	150	Vertical	Pass
5**	11725.062	42.24	0.85	54.0	-11.76	AV	74.00	150	Vertical	Pass
6	16101.599	53.90	1.13	74.0	-20.10	Peak	217.00	400	Vertical	Pass
6**	16101.599	45.74	1.13	54.0	-8.26	AV	217.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.300	38.90	-17.60	74.0	-35.10	Peak	360.00	400	Horizontal	Pass
1**	1505.300	28.91	-17.60	54.0	-25.09	AV	360.00	400	Horizontal	Pass
2	4350.800	49.34	-4.00	74.0	-24.66	Peak	220.00	100	Horizontal	Pass
2**	4350.800	40.01	-4.00	54.0	-13.99	AV	220.00	100	Horizontal	Pass
3	5743.000	96.78	-2.27	--	--	Peak	119.00	150	Horizontal	N/A
3**	5743.000	89.66	-2.27	--	--	AV	119.00	150	Horizontal	N/A
4	7372.025	49.49	-3.85	74.0	-24.51	Peak	95.00	200	Horizontal	Pass
4**	7372.025	40.48	-3.85	54.0	-13.52	AV	95.00	200	Horizontal	Pass
5	11334.350	51.85	0.37	74.0	-22.15	Peak	0.00	100	Horizontal	Pass
5**	11334.350	41.72	0.37	54.0	-12.28	AV	0.00	100	Horizontal	Pass
6	15844.088	54.52	1.38	74.0	-19.48	Peak	342.00	300	Horizontal	Pass
6**	15844.088	45.21	1.38	54.0	-8.79	AV	342.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.700	38.45	-17.35	74.0	-35.55	Peak	105.00	200	Vertical	Pass
1**	1551.700	29.79	-17.35	54.0	-24.21	AV	105.00	200	Vertical	Pass
2	3952.800	49.32	-4.63	74.0	-24.68	Peak	70.00	400	Vertical	Pass
2**	3952.800	39.20	-4.63	54.0	-14.80	AV	70.00	400	Vertical	Pass
3	5743.600	94.26	-2.28	--	--	Peak	309.00	200	Vertical	N/A
3**	5743.600	86.37	-2.28	--	--	AV	309.00	200	Vertical	N/A
4	7379.788	49.59	-3.61	74.0	-24.41	Peak	282.00	400	Vertical	Pass
4**	7379.788	40.35	-3.61	54.0	-13.65	AV	282.00	400	Vertical	Pass
5	12245.724	51.76	1.01	74.0	-22.24	Peak	360.00	100	Vertical	Pass
5**	12245.724	42.03	1.01	54.0	-11.97	AV	360.00	100	Vertical	Pass
6	15825.450	54.67	1.63	74.0	-19.33	Peak	234.00	100	Vertical	Pass
6**	15825.450	44.52	1.63	54.0	-9.48	AV	234.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.100	38.52	-17.50	74.0	-35.48	Peak	73.00	200	Horizontal	Pass
1**	1556.100	28.97	-17.50	54.0	-25.03	AV	73.00	200	Horizontal	Pass
2	4163.400	49.05	-4.96	74.0	-24.95	Peak	115.00	400	Horizontal	Pass
2**	4163.400	39.35	-4.96	54.0	-14.65	AV	115.00	400	Horizontal	Pass
3	5785.800	95.92	-2.42	--	--	Peak	126.00	100	Horizontal	N/A
3**	5785.800	88.84	-2.42	--	--	AV	126.00	100	Horizontal	N/A
4	7349.313	49.24	-3.86	74.0	-24.76	Peak	360.00	400	Horizontal	Pass
4**	7349.313	39.93	-3.86	54.0	-14.07	AV	360.00	400	Horizontal	Pass
5	11599.425	52.21	-0.08	74.0	-21.79	Peak	303.00	150	Horizontal	Pass
5**	11599.425	42.78	-0.08	54.0	-11.22	AV	303.00	150	Horizontal	Pass
6	15643.800	54.63	1.26	74.0	-19.37	Peak	0.00	400	Horizontal	Pass
6**	15643.800	44.72	1.26	54.0	-9.28	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1461.100	38.27	-17.42	74.0	-35.73	Peak	136.00	400	Vertical	Pass
1**	1461.100	29.81	-17.42	54.0	-24.19	AV	136.00	400	Vertical	Pass
2	4234.200	48.97	-4.58	74.0	-25.03	Peak	285.00	200	Vertical	Pass
2**	4234.200	40.34	-4.58	54.0	-13.66	AV	285.00	200	Vertical	Pass
3	5787.000	92.85	-2.47	--	--	Peak	308.00	100	Vertical	N/A
3**	5787.000	85.59	-2.47	--	--	AV	308.00	100	Vertical	N/A
4	7358.513	49.64	-4.09	74.0	-24.36	Peak	166.00	200	Vertical	Pass
4**	7358.513	39.72	-4.09	54.0	-14.28	AV	166.00	200	Vertical	Pass
5	10636.013	52.08	-0.98	74.0	-21.92	Peak	71.00	100	Vertical	Pass
5**	10636.013	41.97	-0.98	54.0	-12.03	AV	71.00	100	Vertical	Pass
6	15839.625	54.42	1.45	74.0	-19.58	Peak	77.00	100	Vertical	Pass
6**	15839.625	45.54	1.45	54.0	-8.46	AV	77.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.400	38.87	-17.55	74.0	-35.13	Peak	40.00	400	Horizontal	Pass
1**	1482.400	28.95	-17.55	54.0	-25.05	AV	40.00	400	Horizontal	Pass
2	4233.400	49.15	-4.53	74.0	-24.85	Peak	116.00	400	Horizontal	Pass
2**	4233.400	39.84	-4.53	54.0	-14.16	AV	116.00	400	Horizontal	Pass
3	5826.600	95.60	-2.35	--	--	Peak	128.00	150	Horizontal	N/A
3**	5826.600	87.78	-2.35	--	--	AV	128.00	150	Horizontal	N/A
4	7361.962	49.81	-4.01	74.0	-24.19	Peak	50.00	400	Horizontal	Pass
4**	7361.962	40.01	-4.01	54.0	-13.99	AV	50.00	400	Horizontal	Pass
5	12607.400	51.75	1.90	74.0	-22.25	Peak	102.00	100	Horizontal	Pass
5**	12607.400	42.44	1.90	54.0	-11.56	AV	102.00	100	Horizontal	Pass
6	15840.675	54.45	1.44	74.0	-19.55	Peak	213.00	200	Horizontal	Pass
6**	15840.675	45.33	1.44	54.0	-8.67	AV	213.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.000	38.77	-17.50	74.0	-35.23	Peak	21.00	100	Vertical	Pass
1**	1529.000	29.26	-17.50	54.0	-24.74	AV	21.00	100	Vertical	Pass
2	4221.400	49.25	-4.92	74.0	-24.75	Peak	26.00	200	Vertical	Pass
2**	4221.400	39.24	-4.92	54.0	-14.76	AV	26.00	200	Vertical	Pass
3	5823.800	91.80	-2.41	--	--	Peak	360.00	200	Vertical	N/A
3**	5823.800	85.43	-2.41	--	--	AV	360.00	200	Vertical	N/A
4	7337.525	49.22	-3.54	74.0	-24.78	Peak	346.00	100	Vertical	Pass
4**	7337.525	40.57	-3.54	54.0	-13.43	AV	346.00	100	Vertical	Pass
5	11947.588	51.93	1.47	74.0	-22.07	Peak	101.00	150	Vertical	Pass
5**	11947.588	43.92	1.47	54.0	-10.08	AV	101.00	150	Vertical	Pass
6	15982.162	54.02	0.28	74.0	-19.98	Peak	319.00	300	Vertical	Pass
6**	15982.162	44.58	0.28	54.0	-9.42	AV	319.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.900	38.54	-17.64	74.0	-35.46	Peak	74.00	200	Horizontal	Pass
1**	1601.900	28.74	-17.64	54.0	-25.26	AV	74.00	200	Horizontal	Pass
2	4250.000	49.09	-4.78	74.0	-24.91	Peak	330.00	100	Horizontal	Pass
2**	4250.000	39.36	-4.78	54.0	-14.64	AV	330.00	100	Horizontal	Pass
3	5757.000	95.00	-2.02	--	--	Peak	120.00	200	Horizontal	N/A
3**	5757.000	87.25	-2.02	--	--	AV	120.00	200	Horizontal	N/A
4	7680.513	48.83	-2.64	74.0	-25.17	Peak	225.00	400	Horizontal	Pass
4**	7680.513	39.56	-2.64	54.0	-14.44	AV	225.00	400	Horizontal	Pass
5	10930.125	52.35	0.09	74.0	-21.65	Peak	173.00	200	Horizontal	Pass
5**	10930.125	42.22	0.09	54.0	-11.78	AV	173.00	200	Horizontal	Pass
6	15630.675	54.61	1.68	74.0	-19.39	Peak	36.00	300	Horizontal	Pass
6**	15630.675	44.49	1.68	54.0	-9.51	AV	36.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1474.200	38.57	-17.53	74.0	-35.43	Peak	281.00	100	Vertical	Pass
1**	1474.200	29.03	-17.53	54.0	-24.97	AV	281.00	100	Vertical	Pass
2	4201.400	49.22	-5.11	74.0	-24.78	Peak	317.00	100	Vertical	Pass
2**	4201.400	39.59	-5.11	54.0	-14.41	AV	317.00	100	Vertical	Pass
3	5760.000	91.23	-1.93	--	--	Peak	317.00	150	Vertical	N/A
3**	5760.000	83.07	-1.93	--	--	AV	317.00	150	Vertical	N/A
4	7333.500	48.89	-3.51	74.0	-25.11	Peak	258.00	400	Vertical	Pass
4**	7333.500	39.90	-3.51	54.0	-14.10	AV	258.00	400	Vertical	Pass
5	12236.526	51.84	1.13	74.0	-22.16	Peak	171.00	150	Vertical	Pass
5**	12236.526	43.23	1.13	54.0	-10.77	AV	171.00	150	Vertical	Pass
6	15818.100	53.89	1.95	74.0	-20.11	Peak	0.00	150	Vertical	Pass
6**	15818.100	44.81	1.95	54.0	-9.19	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1462.000	38.10	-17.38	74.0	-35.90	Peak	266.00	100	Horizontal	Pass
1**	1462.000	28.79	-17.38	54.0	-25.21	AV	266.00	100	Horizontal	Pass
2	4373.600	49.17	-4.37	74.0	-24.83	Peak	203.00	400	Horizontal	Pass
2**	4373.600	40.07	-4.37	54.0	-13.93	AV	203.00	400	Horizontal	Pass
3	5797.400	93.01	-2.72	--	--	Peak	123.00	200	Horizontal	N/A
3**	5797.400	85.68	-2.72	--	--	AV	123.00	200	Horizontal	N/A
4	7380.650	49.05	-3.65	74.0	-24.95	Peak	195.00	400	Horizontal	Pass
4**	7380.650	40.89	-3.65	54.0	-13.11	AV	195.00	400	Horizontal	Pass
5	11208.713	52.22	-0.23	74.0	-21.78	Peak	195.00	200	Horizontal	Pass
5**	11208.713	43.96	-0.23	54.0	-10.04	AV	195.00	200	Horizontal	Pass
6	16070.362	54.21	1.35	74.0	-19.79	Peak	7.00	300	Horizontal	Pass
6**	16070.362	45.19	1.35	54.0	-8.81	AV	7.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.800	38.80	-17.59	74.0	-35.20	Peak	359.00	400	Vertical	Pass
1**	1505.800	29.89	-17.59	54.0	-24.11	AV	359.00	400	Vertical	Pass
2	4337.200	48.76	-4.62	74.0	-25.24	Peak	55.00	300	Vertical	Pass
2**	4337.200	39.22	-4.62	54.0	-14.78	AV	55.00	300	Vertical	Pass
3	5792.200	90.21	-2.56	--	--	Peak	297.00	150	Vertical	N/A
3**	5792.200	82.17	-2.56	--	--	AV	297.00	150	Vertical	N/A
4	7350.750	49.25	-3.87	74.0	-24.75	Peak	106.00	300	Vertical	Pass
4**	7350.750	40.30	-3.87	54.0	-13.70	AV	106.00	300	Vertical	Pass
5	12224.737	51.86	1.30	74.0	-22.14	Peak	349.00	150	Vertical	Pass
5**	12224.737	43.18	1.30	54.0	-10.82	AV	349.00	150	Vertical	Pass
6	15847.763	54.15	1.35	74.0	-19.85	Peak	285.00	200	Vertical	Pass
6**	15847.763	45.33	1.35	54.0	-8.67	AV	285.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.400	40.64	-17.52	74.0	-33.36	Peak	347.00	100	Horizontal	Pass
1**	1527.400	28.41	-17.52	54.0	-25.59	AV	347.00	100	Horizontal	Pass
2	4378.400	49.18	-4.45	74.0	-24.82	Peak	308.00	400	Horizontal	Pass
2**	4378.400	39.59	-4.45	54.0	-14.41	AV	308.00	400	Horizontal	Pass
3	5746.400	96.15	-2.43	--	--	Peak	127.00	200	Horizontal	N/A
3**	5746.400	89.13	-2.43	--	--	AV	127.00	200	Horizontal	N/A
4	7354.200	49.96	-3.94	74.0	-24.04	Peak	360.00	300	Horizontal	Pass
4**	7354.200	39.72	-3.94	54.0	-14.28	AV	360.00	300	Horizontal	Pass
5	10922.651	51.93	0.20	74.0	-22.07	Peak	360.00	100	Horizontal	Pass
5**	10922.651	42.71	0.20	54.0	-11.29	AV	360.00	100	Horizontal	Pass
6	15835.688	54.55	1.45	74.0	-19.45	Peak	18.00	200	Horizontal	Pass
6**	15835.688	45.20	1.45	54.0	-8.80	AV	18.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1473.100	38.25	-17.57	74.0	-35.75	Peak	0.00	150	Vertical	Pass
1**	1473.100	28.82	-17.57	54.0	-25.18	AV	0.00	150	Vertical	Pass
2	4230.200	49.62	-4.59	74.0	-24.38	Peak	360.00	100	Vertical	Pass
2**	4230.200	39.57	-4.59	54.0	-14.43	AV	360.00	100	Vertical	Pass
3	5747.200	93.20	-2.31	--	--	Peak	318.00	200	Vertical	N/A
3**	5747.200	85.34	-2.31	--	--	AV	318.00	200	Vertical	N/A
4	7663.837	49.13	-2.44	74.0	-24.87	Peak	104.00	100	Vertical	Pass
4**	7663.837	39.79	-2.44	54.0	-14.21	AV	104.00	100	Vertical	Pass
5	11325.438	52.11	0.50	74.0	-21.89	Peak	70.00	150	Vertical	Pass
5**	11325.438	42.88	0.50	54.0	-11.12	AV	70.00	150	Vertical	Pass
6	15852.225	54.20	1.27	74.0	-19.80	Peak	360.00	300	Vertical	Pass
6**	15852.225	45.80	1.27	54.0	-8.20	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1565.600	38.44	-17.55	74.0	-35.56	Peak	112.00	200	Horizontal	Pass
1**	1565.600	28.74	-17.55	54.0	-25.26	AV	112.00	200	Horizontal	Pass
2	4222.400	49.06	-4.87	74.0	-24.94	Peak	351.00	200	Horizontal	Pass
2**	4222.400	40.24	-4.87	54.0	-13.76	AV	351.00	200	Horizontal	Pass
3	5787.600	95.03	-2.46	--	--	Peak	126.00	200	Horizontal	N/A
3**	5787.600	87.46	-2.46	--	--	AV	126.00	200	Horizontal	N/A
4	7339.825	48.76	-3.50	74.0	-25.24	Peak	209.00	100	Horizontal	Pass
4**	7339.825	40.75	-3.50	54.0	-13.25	AV	209.00	100	Horizontal	Pass
5	10920.063	52.37	0.24	74.0	-21.63	Peak	31.00	150	Horizontal	Pass
5**	10920.063	42.17	0.24	54.0	-11.83	AV	31.00	150	Horizontal	Pass
6	16115.512	54.05	0.68	74.0	-19.95	Peak	360.00	300	Horizontal	Pass
6**	16115.512	44.17	0.68	54.0	-9.83	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.700	38.26	-17.48	74.0	-35.74	Peak	142.00	100	Vertical	Pass
1**	1528.700	28.97	-17.48	54.0	-25.03	AV	142.00	100	Vertical	Pass
2	4222.800	49.49	-4.85	74.0	-24.51	Peak	330.00	100	Vertical	Pass
2**	4222.800	39.74	-4.85	54.0	-14.26	AV	330.00	100	Vertical	Pass
3	5784.000	91.66	-2.30	--	--	Peak	296.00	200	Vertical	N/A
3**	5784.000	84.28	-2.30	--	--	AV	296.00	200	Vertical	N/A
4	7336.088	49.31	-3.40	74.0	-24.69	Peak	67.00	100	Vertical	Pass
4**	7336.088	40.68	-3.40	54.0	-13.32	AV	67.00	100	Vertical	Pass
5	11715.287	52.16	0.76	74.0	-21.84	Peak	102.00	200	Vertical	Pass
5**	11715.287	42.11	0.76	54.0	-11.89	AV	102.00	200	Vertical	Pass
6	15844.350	54.20	1.38	74.0	-19.80	Peak	262.00	300	Vertical	Pass
6**	15844.350	45.37	1.38	54.0	-8.63	AV	262.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.100	38.59	-17.58	74.0	-35.41	Peak	59.00	400	Horizontal	Pass
1**	1496.100	30.20	-17.58	54.0	-23.80	AV	59.00	400	Horizontal	Pass
2	4233.200	49.04	-4.52	74.0	-24.96	Peak	93.00	100	Horizontal	Pass
2**	4233.200	39.56	-4.52	54.0	-14.44	AV	93.00	100	Horizontal	Pass
3	5826.200	94.51	-2.36	--	--	Peak	126.00	100	Horizontal	N/A
3**	5826.200	87.85	-2.36	--	--	AV	126.00	100	Horizontal	N/A
4	7350.175	49.40	-3.87	74.0	-24.60	Peak	335.00	400	Horizontal	Pass
4**	7350.175	40.28	-3.87	54.0	-13.72	AV	335.00	400	Horizontal	Pass
5	12218.700	52.12	1.21	74.0	-21.88	Peak	52.00	150	Horizontal	Pass
5**	12218.700	42.99	1.21	54.0	-11.01	AV	52.00	150	Horizontal	Pass
6	15839.362	54.33	1.45	74.0	-19.67	Peak	77.00	300	Horizontal	Pass
6**	15839.362	45.48	1.45	54.0	-8.52	AV	77.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1566.900	38.25	-17.53	74.0	-35.75	Peak	201.00	150	Vertical	Pass
1**	1566.900	29.00	-17.53	54.0	-25.00	AV	201.00	150	Vertical	Pass
2	4140.600	48.87	-4.88	74.0	-25.13	Peak	181.00	150	Vertical	Pass
2**	4140.600	40.20	-4.88	54.0	-13.80	AV	181.00	150	Vertical	Pass
3	5824.200	91.29	-2.40	--	--	Peak	91.00	100	Vertical	N/A
3**	5824.200	84.54	-2.40	--	--	AV	91.00	100	Vertical	N/A
4	7332.350	49.19	-3.57	74.0	-24.81	Peak	173.00	100	Vertical	Pass
4**	7332.350	40.00	-3.57	54.0	-14.00	AV	173.00	100	Vertical	Pass
5	10922.362	52.39	0.20	74.0	-21.61	Peak	210.00	150	Vertical	Pass
5**	10922.362	43.28	0.20	54.0	-10.72	AV	210.00	150	Vertical	Pass
6	15855.112	54.35	1.19	74.0	-19.65	Peak	101.00	150	Vertical	Pass
6**	15855.112	44.79	1.19	54.0	-9.21	AV	101.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.700	39.18	-17.57	74.0	-34.82	Peak	360.00	400	Horizontal	Pass
1**	1542.700	29.93	-17.57	54.0	-24.07	AV	360.00	400	Horizontal	Pass
2	4234.200	49.30	-4.58	74.0	-24.70	Peak	71.00	100	Horizontal	Pass
2**	4234.200	40.51	-4.58	54.0	-13.49	AV	71.00	100	Horizontal	Pass
3	5753.200	94.20	-2.14	--	--	Peak	128.00	200	Horizontal	N/A
3**	5753.200	86.77	-2.14	--	--	AV	128.00	200	Horizontal	N/A
4	7375.187	48.87	-3.74	74.0	-25.13	Peak	360.00	100	Horizontal	Pass
4**	7375.187	39.98	-3.74	54.0	-14.02	AV	360.00	100	Horizontal	Pass
5	11973.463	51.56	0.81	74.0	-22.44	Peak	226.00	100	Horizontal	Pass
5**	11973.463	42.24	0.81	54.0	-11.76	AV	226.00	100	Horizontal	Pass
6	15869.813	55.05	0.62	74.0	-18.95	Peak	242.00	300	Horizontal	Pass
6**	15869.813	44.33	0.62	54.0	-9.67	AV	242.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.300	38.26	-17.48	74.0	-35.74	Peak	178.00	300	Vertical	Pass
1**	1459.300	29.01	-17.48	54.0	-24.99	AV	178.00	300	Vertical	Pass
2	4362.200	48.93	-3.80	74.0	-25.07	Peak	328.00	200	Vertical	Pass
2**	4362.200	40.81	-3.80	54.0	-13.19	AV	328.00	200	Vertical	Pass
3	5756.800	90.47	-2.03	--	--	Peak	316.00	200	Vertical	N/A
3**	5756.800	82.70	-2.03	--	--	AV	316.00	200	Vertical	N/A
4	7616.400	50.28	-2.88	74.0	-23.72	Peak	177.00	100	Vertical	Pass
4**	7616.400	39.81	-2.88	54.0	-14.19	AV	177.00	100	Vertical	Pass
5	12234.800	51.87	1.16	74.0	-22.13	Peak	54.00	100	Vertical	Pass
5**	12234.800	43.01	1.16	54.0	-10.99	AV	54.00	100	Vertical	Pass
6	15841.724	54.50	1.42	74.0	-19.50	Peak	219.00	100	Vertical	Pass
6**	15841.724	45.39	1.42	54.0	-8.61	AV	219.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.400	38.27	-17.55	74.0	-35.73	Peak	342.00	200	Horizontal	Pass
1**	1582.400	28.90	-17.55	54.0	-25.10	AV	342.00	200	Horizontal	Pass
2	4371.800	49.12	-4.39	74.0	-24.88	Peak	183.00	300	Horizontal	Pass
2**	4371.800	40.28	-4.39	54.0	-13.72	AV	183.00	300	Horizontal	Pass
3	5797.600	93.17	-2.72	--	--	Peak	116.00	200	Horizontal	N/A
3**	5797.600	85.87	-2.72	--	--	AV	116.00	200	Horizontal	N/A
4	7390.425	49.23	-4.03	74.0	-24.77	Peak	200.00	200	Horizontal	Pass
4**	7390.425	40.34	-4.03	54.0	-13.66	AV	200.00	200	Horizontal	Pass
5	11699.474	52.53	0.32	74.0	-21.47	Peak	286.00	150	Horizontal	Pass
5**	11699.474	42.04	0.32	54.0	-11.96	AV	286.00	150	Horizontal	Pass
6	15637.500	54.09	1.45	74.0	-19.91	Peak	311.00	200	Horizontal	Pass
6**	15637.500	44.40	1.45	54.0	-9.60	AV	311.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.500	38.74	-17.49	74.0	-35.26	Peak	112.00	400	Vertical	Pass
1**	1483.500	28.95	-17.49	54.0	-25.05	AV	112.00	400	Vertical	Pass
2	4263.200	49.30	-4.66	74.0	-24.70	Peak	294.00	100	Vertical	Pass
2**	4263.200	40.34	-4.66	54.0	-13.66	AV	294.00	100	Vertical	Pass
3	5790.200	89.36	-2.55	--	--	Peak	294.00	150	Vertical	N/A
3**	5790.200	81.84	-2.55	--	--	AV	294.00	150	Vertical	N/A
4	7383.813	48.79	-3.85	74.0	-25.21	Peak	334.00	300	Vertical	Pass
4**	7383.813	40.11	-3.85	54.0	-13.89	AV	334.00	300	Vertical	Pass
5	12237.100	52.70	1.12	74.0	-21.30	Peak	153.00	200	Vertical	Pass
5**	12237.100	43.27	1.12	54.0	-10.73	AV	153.00	200	Vertical	Pass
6	15844.088	55.19	1.38	74.0	-18.81	Peak	337.00	100	Vertical	Pass
6**	15844.088	44.93	1.38	54.0	-9.07	AV	337.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1544.800	38.55	-17.50	74.0	-35.45	Peak	311.00	100	Horizontal	Pass
1**	1544.800	29.19	-17.50	54.0	-24.81	AV	311.00	100	Horizontal	Pass
2	3838.400	49.28	-4.76	74.0	-24.72	Peak	136.00	300	Horizontal	Pass
2**	3838.400	39.02	-4.76	54.0	-14.98	AV	136.00	300	Horizontal	Pass
3	5761.800	90.24	-1.88	--	--	Peak	125.00	100	Horizontal	N/A
3**	5761.800	82.91	-1.88	--	--	AV	125.00	100	Horizontal	N/A
4	7681.087	49.05	-2.64	74.0	-24.95	Peak	354.00	200	Horizontal	Pass
4**	7681.087	40.08	-2.64	54.0	-13.92	AV	354.00	200	Horizontal	Pass
5	11553.713	53.00	-0.43	74.0	-21.00	Peak	354.00	150	Horizontal	Pass
5**	11553.713	42.19	-0.43	54.0	-11.81	AV	354.00	150	Horizontal	Pass
6	15848.549	55.34	1.34	74.0	-18.66	Peak	76.00	300	Horizontal	Pass
6**	15848.549	45.45	1.34	54.0	-8.55	AV	76.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.000	38.93	-17.55	74.0	-35.07	Peak	17.00	400	Vertical	Pass
1**	1542.000	29.60	-17.55	54.0	-24.40	AV	17.00	400	Vertical	Pass
2	4221.600	48.68	-4.91	74.0	-25.32	Peak	129.00	200	Vertical	Pass
2**	4221.600	40.48	-4.91	54.0	-13.52	AV	129.00	200	Vertical	Pass
3	5761.400	86.24	-1.89	--	--	Peak	319.00	150	Vertical	N/A
3**	5761.400	79.10	-1.89	--	--	AV	319.00	150	Vertical	N/A
4	7374.612	48.93	-3.75	74.0	-25.07	Peak	191.00	200	Vertical	Pass
4**	7374.612	40.22	-3.75	54.0	-13.78	AV	191.00	200	Vertical	Pass
5	12224.737	52.31	1.30	74.0	-21.69	Peak	14.00	100	Vertical	Pass
5**	12224.737	43.61	1.30	54.0	-10.39	AV	14.00	100	Vertical	Pass
6	15833.850	54.06	1.46	74.0	-19.94	Peak	281.00	300	Vertical	Pass
6**	15833.850	44.15	1.46	54.0	-9.85	AV	281.00	300	Vertical	Pass

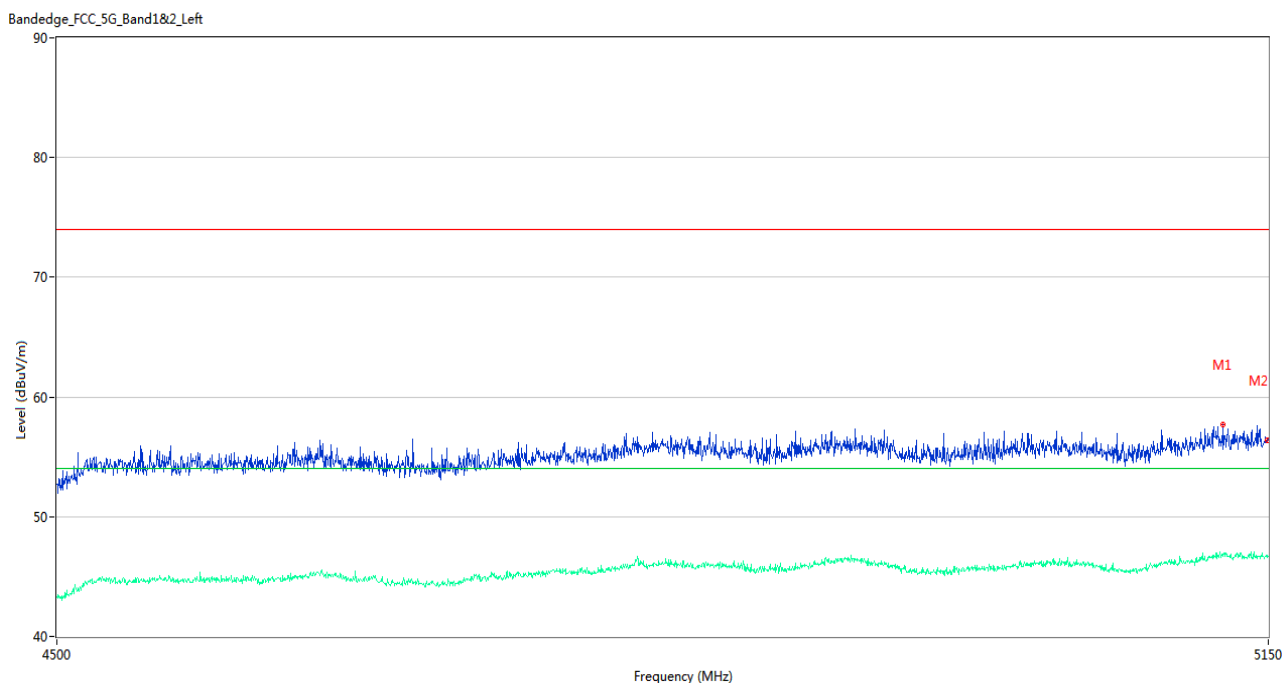
A.6.2 Band Edge (Restricted-band)

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
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Low	Pass
		High	Pass

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

Test Data and Plots

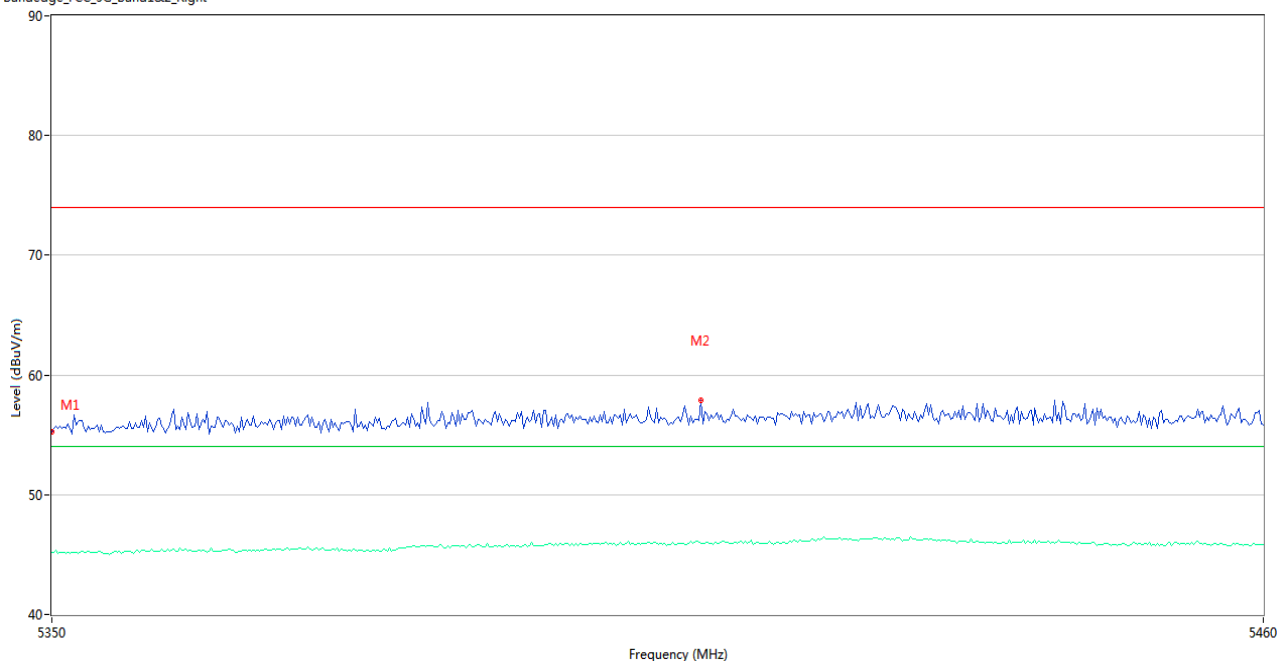
U-NII-1 11a CH36



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5124.325	57.72	3.83	74.0	-16.28	Peak	295.00	100	Horizontal	Pass
1**	5124.325	46.69	3.83	54.0	-7.31	AV	295.00	100	Horizontal	Pass
2	5149.675	56.34	3.26	74.0	-17.66	Peak	24.00	200	Horizontal	Pass
2**	5149.675	46.73	3.26	54.0	-7.27	AV	24.00	200	Horizontal	Pass

U-NII-1 11a CH48

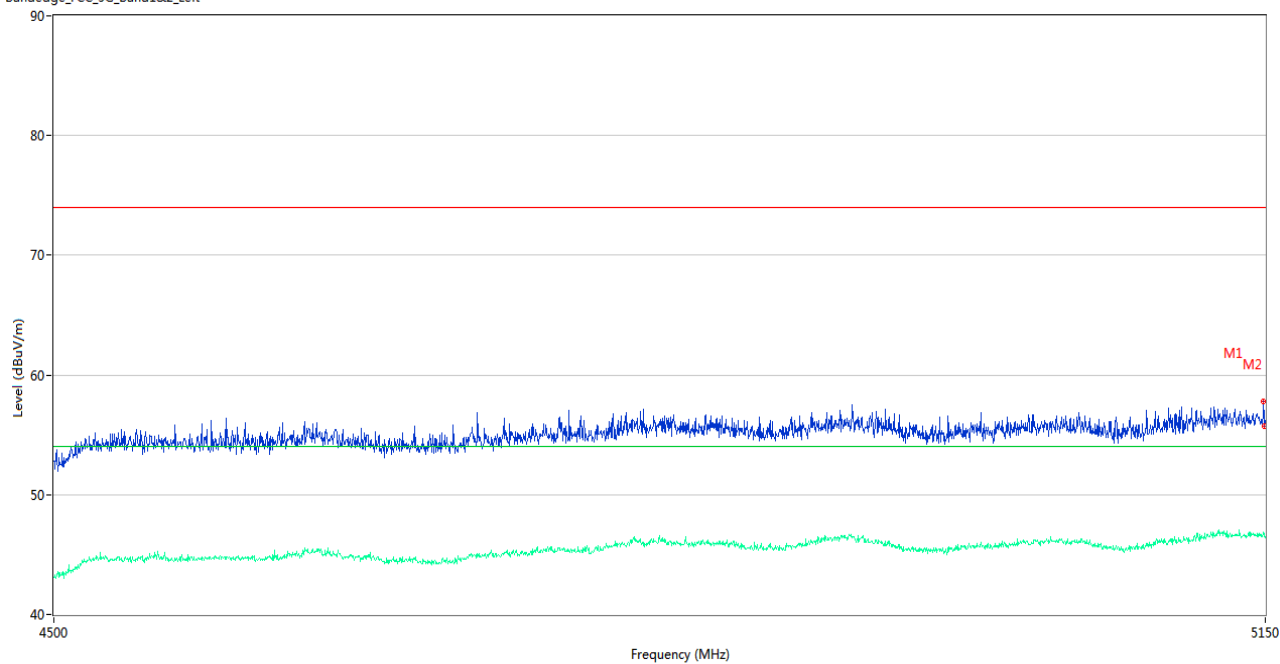
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.22	2.98	74.0	-18.78	Peak	214.00	150	Horizontal	Pass
1**	5350.000	45.20	2.98	54.0	-8.80	AV	214.00	150	Horizontal	Pass
2	5408.667	57.87	3.35	74.0	-16.13	Peak	360.00	100	Horizontal	Pass
2**	5408.667	45.93	3.35	54.0	-8.07	AV	360.00	100	Horizontal	Pass

U-NII-1 11n20 CH36

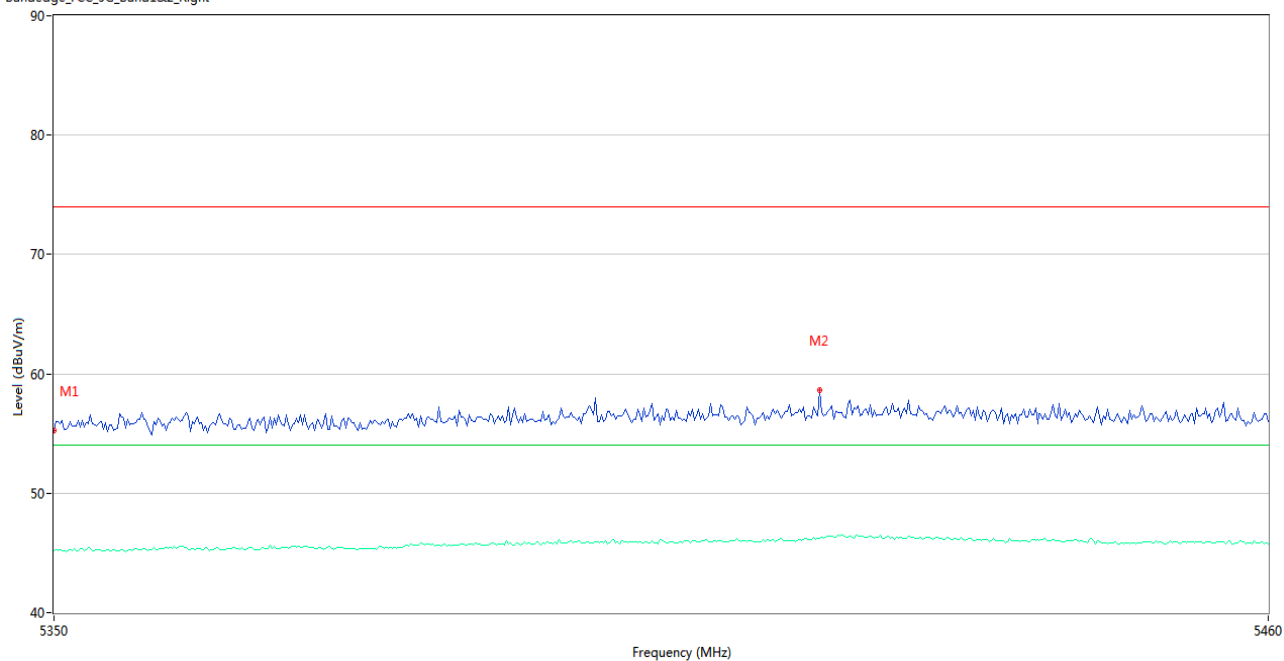
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	57.83	3.34	74.0	-16.17	Peak	99.00	100	Horizontal	Pass
1**	5149.025	46.91	3.34	54.0	-7.09	AV	99.00	100	Horizontal	Pass
2	5149.675	55.75	3.26	74.0	-18.25	Peak	19.00	200	Horizontal	Pass
2**	5149.675	46.77	3.26	54.0	-7.23	AV	19.00	200	Horizontal	Pass

U-NII-1 11n20 CH48

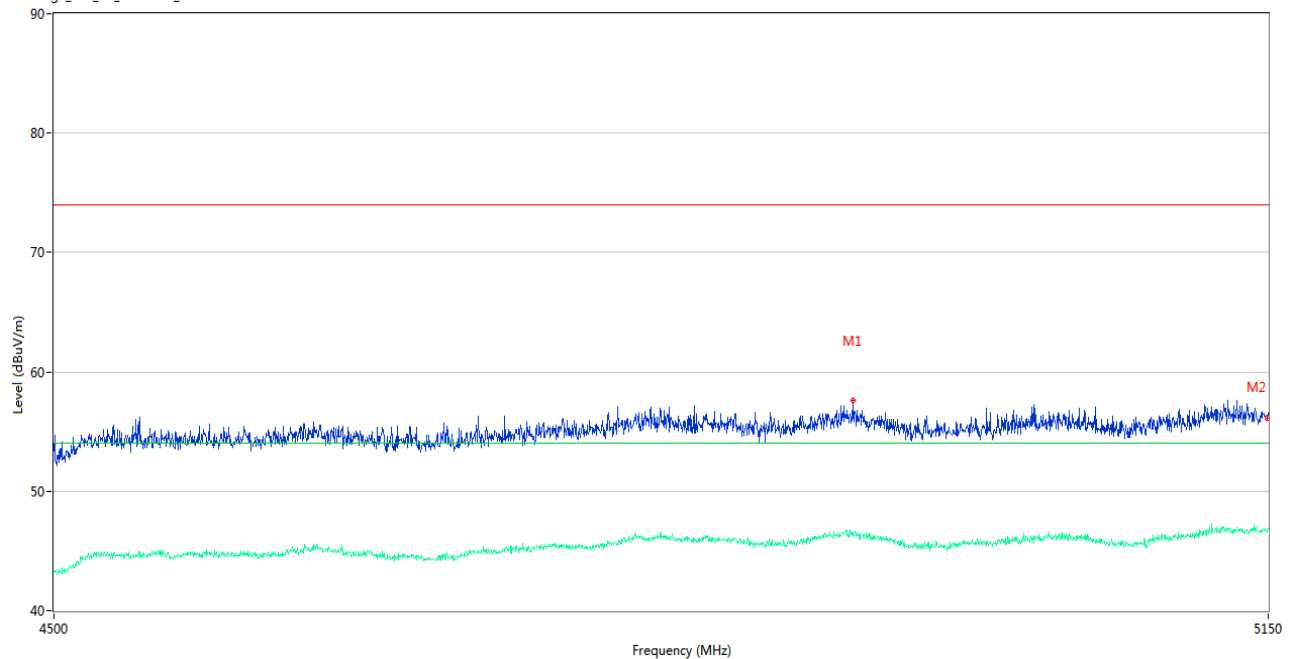
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.23	2.98	74.0	-18.77	Peak	185.00	100	Horizontal	Pass
1**	5350.000	45.22	2.98	54.0	-8.78	AV	185.00	100	Horizontal	Pass
2	5419.117	58.60	3.26	74.0	-15.40	Peak	233.00	100	Horizontal	Pass
2**	5419.117	46.25	3.26	54.0	-7.75	AV	233.00	100	Horizontal	Pass

U-NII-1 11n40 CH38

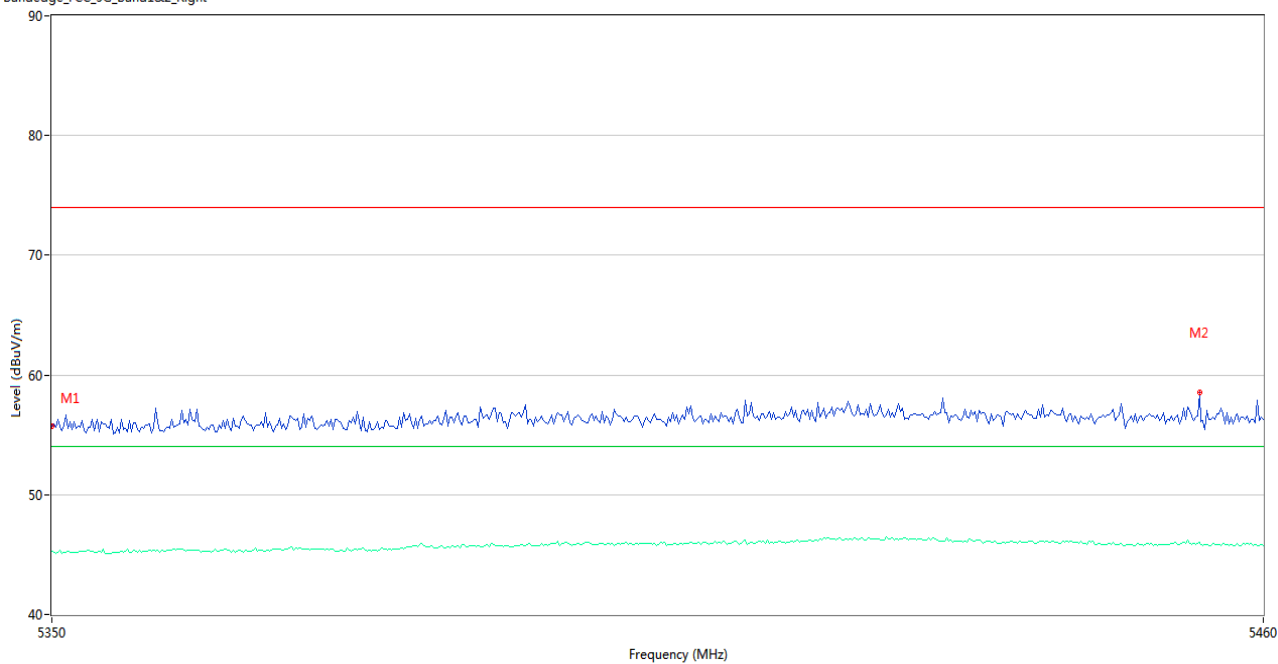
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4917.625	57.65	3.74	74.0	-16.35	Peak	344.00	150	Horizontal	Pass
1**	4917.625	46.55	3.74	54.0	-7.45	AV	344.00	150	Horizontal	Pass
2	5149.675	56.08	3.26	74.0	-17.92	Peak	37.00	100	Horizontal	Pass
2**	5149.675	46.67	3.26	54.0	-7.33	AV	37.00	100	Horizontal	Pass

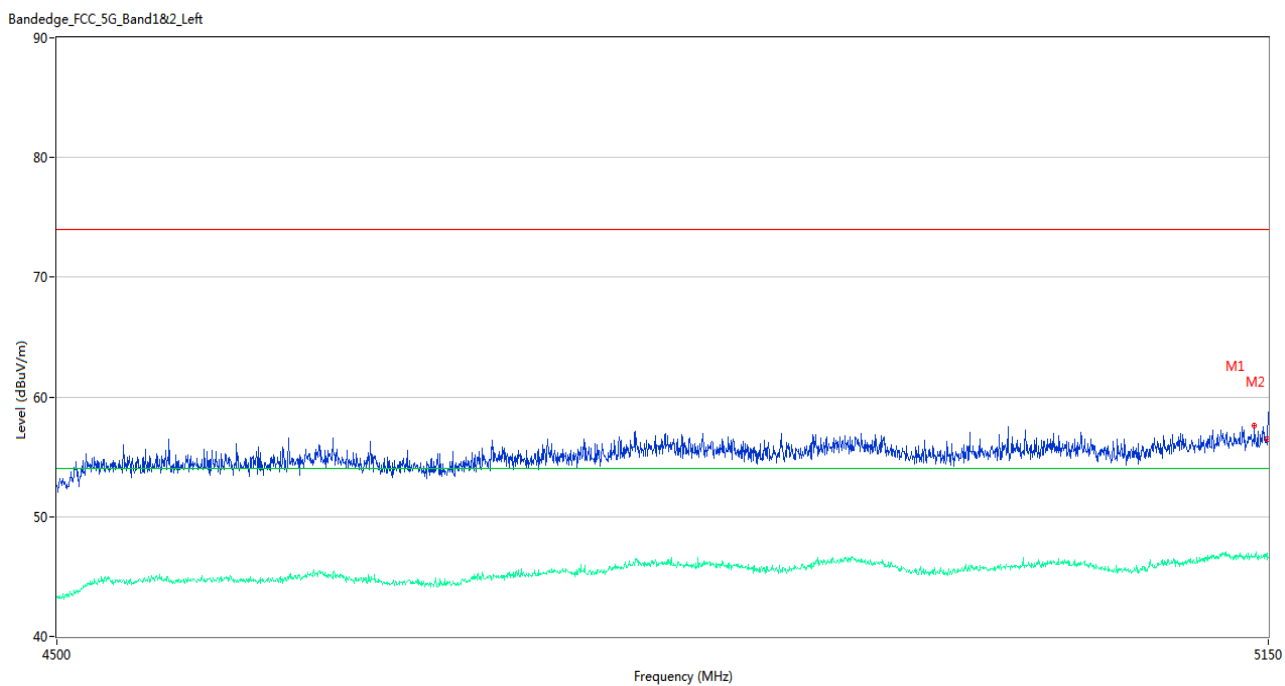
U-NII-1 11n40 CH46

Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.70	2.98	74.0	-18.30	Peak	225.00	100	Horizontal	Pass
1**	5350.000	45.31	2.98	54.0	-8.69	AV	225.00	100	Horizontal	Pass
2	5454.133	58.53	3.84	74.0	-15.47	Peak	195.00	200	Horizontal	Pass
2**	5454.133	46.03	3.84	54.0	-7.97	AV	195.00	200	Horizontal	Pass

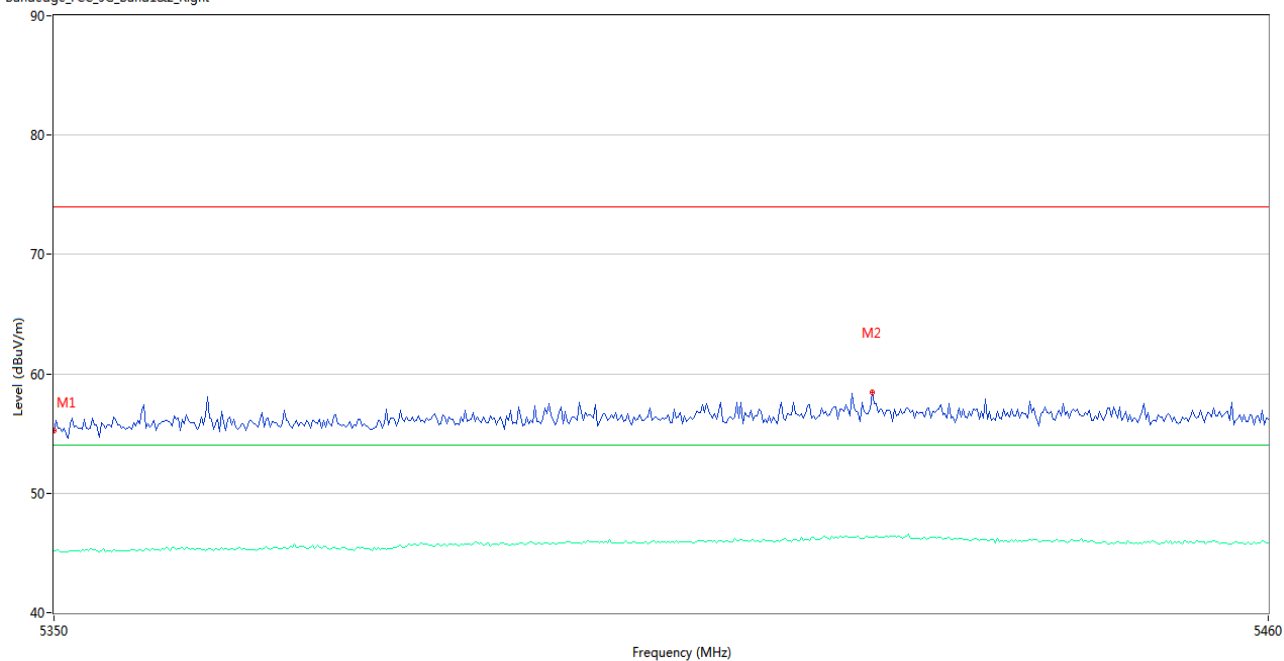
U-NII-1 11ac20 CH36



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5142.200	57.63	3.51	74.0	-16.37	Peak	288.00	100	Horizontal	Pass
1**	5142.200	46.73	3.51	54.0	-7.27	AV	288.00	100	Horizontal	Pass
2	5149.675	56.49	3.26	74.0	-17.51	Peak	331.00	150	Horizontal	Pass
2**	5149.675	46.40	3.26	54.0	-7.60	AV	331.00	150	Horizontal	Pass

U-NII-1 11ac20 CH48

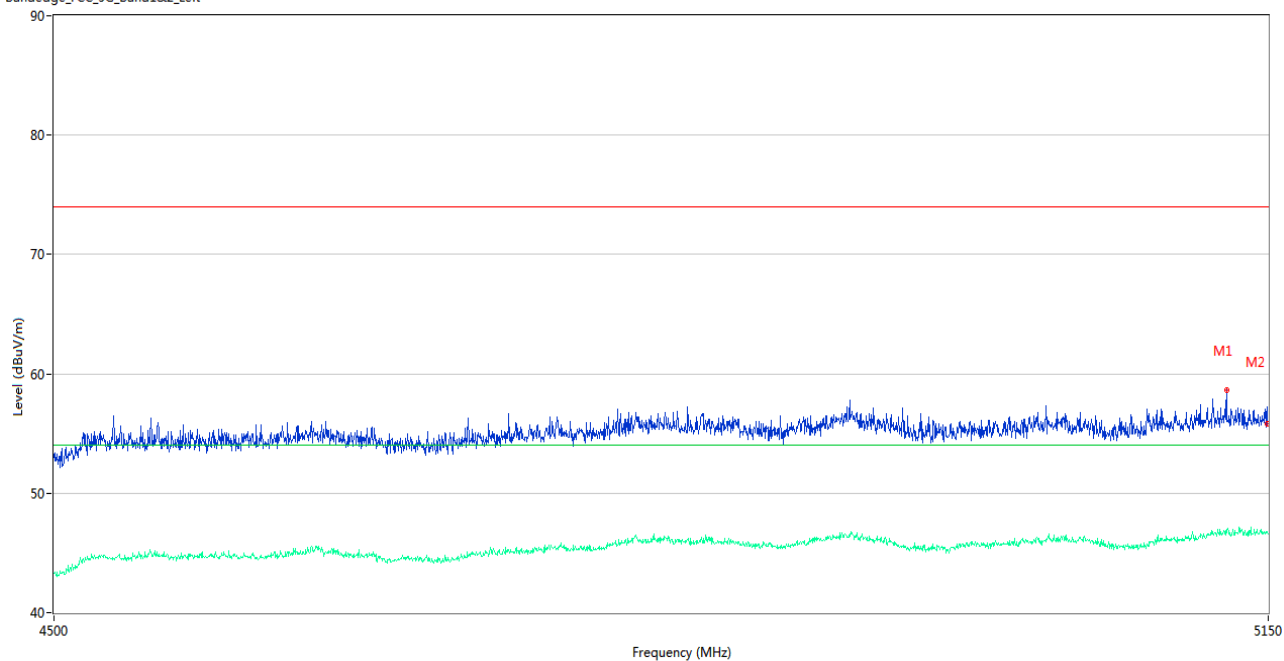
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.27	2.98	74.0	-18.73	Peak	0.00	200	Horizontal	Pass
1**	5350.000	45.20	2.98	54.0	-8.80	AV	0.00	200	Horizontal	Pass
2	5423.883	58.43	3.28	74.0	-15.57	Peak	168.00	200	Horizontal	Pass
2**	5423.883	46.34	3.28	54.0	-7.66	AV	168.00	200	Horizontal	Pass

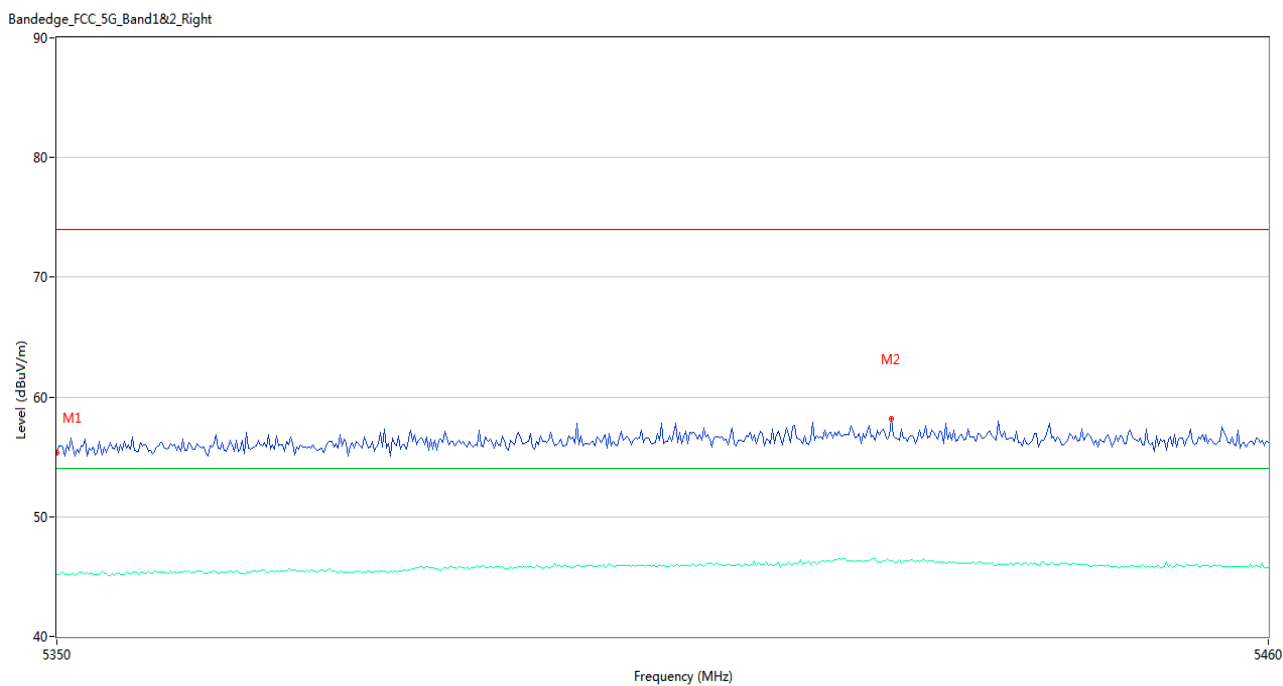
U-NII-1 11ac40 CH38

Bandedge_FCC_5G_Band1&2_Left



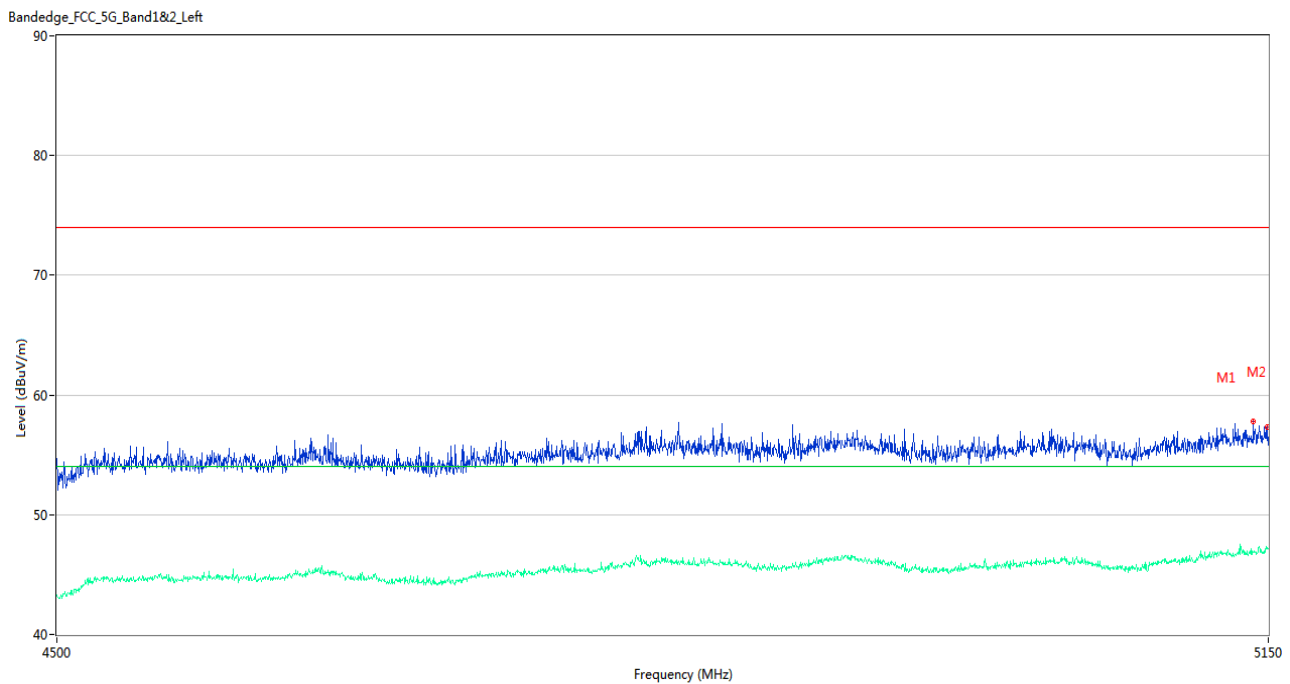
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.275	58.60	3.80	74.0	-15.40	Peak	277.00	200	Horizontal	Pass
1**	5126.275	46.67	3.80	54.0	-7.33	AV	277.00	200	Horizontal	Pass
2	5149.675	55.81	3.26	74.0	-18.19	Peak	138.00	100	Horizontal	Pass
2**	5149.675	46.79	3.26	54.0	-7.21	AV	138.00	100	Horizontal	Pass

U-NII-1 11ac40 CH46



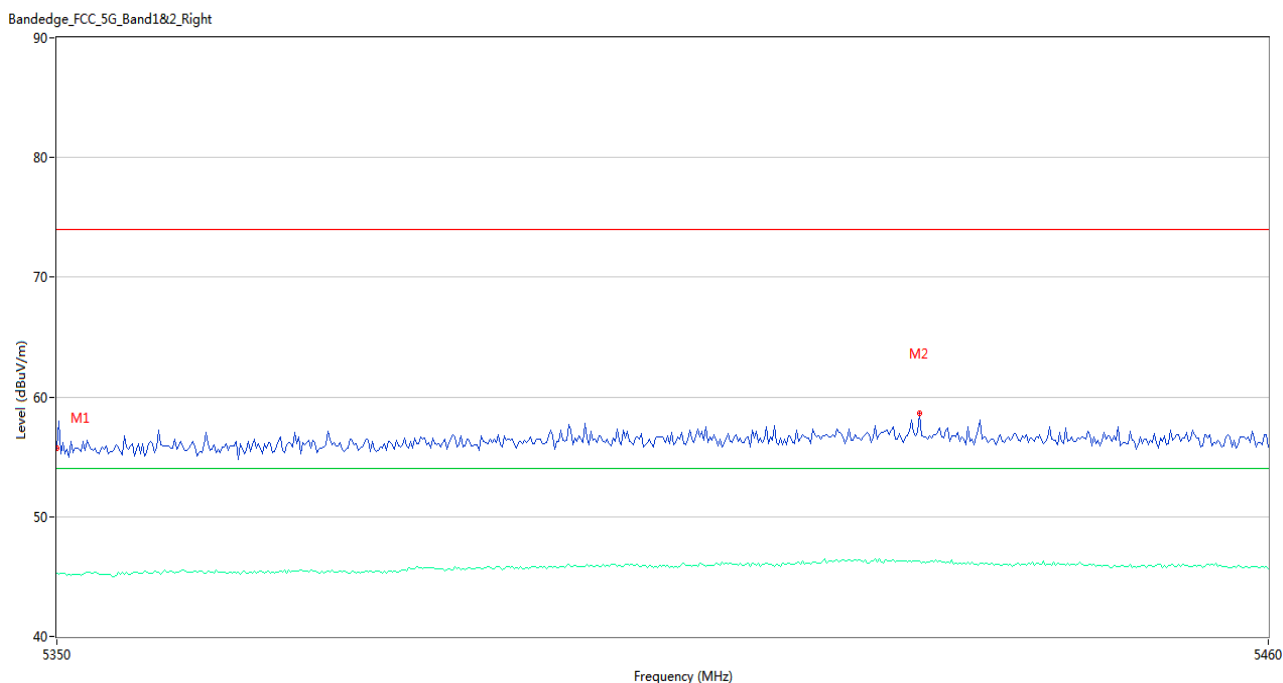
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.36	2.98	74.0	-18.64	Peak	344.00	100	Horizontal	Pass
1**	5350.000	45.20	2.98	54.0	-8.80	AV	344.00	100	Horizontal	Pass
2	5425.533	58.20	3.30	74.0	-15.80	Peak	245.00	100	Horizontal	Pass
2**	5425.533	46.33	3.30	54.0	-7.67	AV	245.00	100	Horizontal	Pass

U-NII-1 11ac80 CH42



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5141.550	57.75	3.54	74.0	-16.25	Peak	133.00	100	Horizontal	Pass
1**	5141.550	46.85	3.54	54.0	-7.15	AV	133.00	100	Horizontal	Pass
2	5149.675	57.29	3.26	74.0	-16.71	Peak	251.00	150	Horizontal	Pass
2**	5149.675	47.19	3.26	54.0	-6.81	AV	251.00	150	Horizontal	Pass

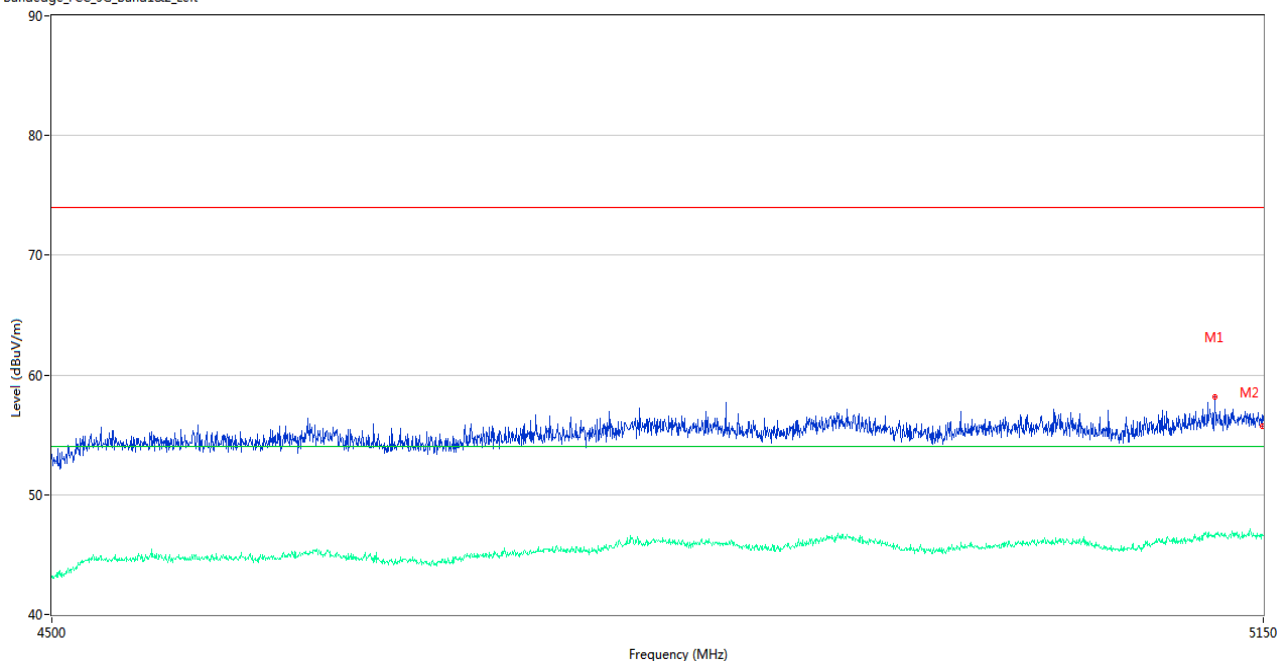
U-NII-1 11ac80 CH42



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.74	2.98	74.0	-18.26	Peak	273.00	150	Horizontal	Pass
1**	5350.000	45.28	2.98	54.0	-8.72	AV	273.00	150	Horizontal	Pass
2	5428.100	58.64	3.33	74.0	-15.36	Peak	285.00	100	Horizontal	Pass
2**	5428.100	46.35	3.33	54.0	-7.65	AV	285.00	100	Horizontal	Pass

U-NII-2A 11a CH52

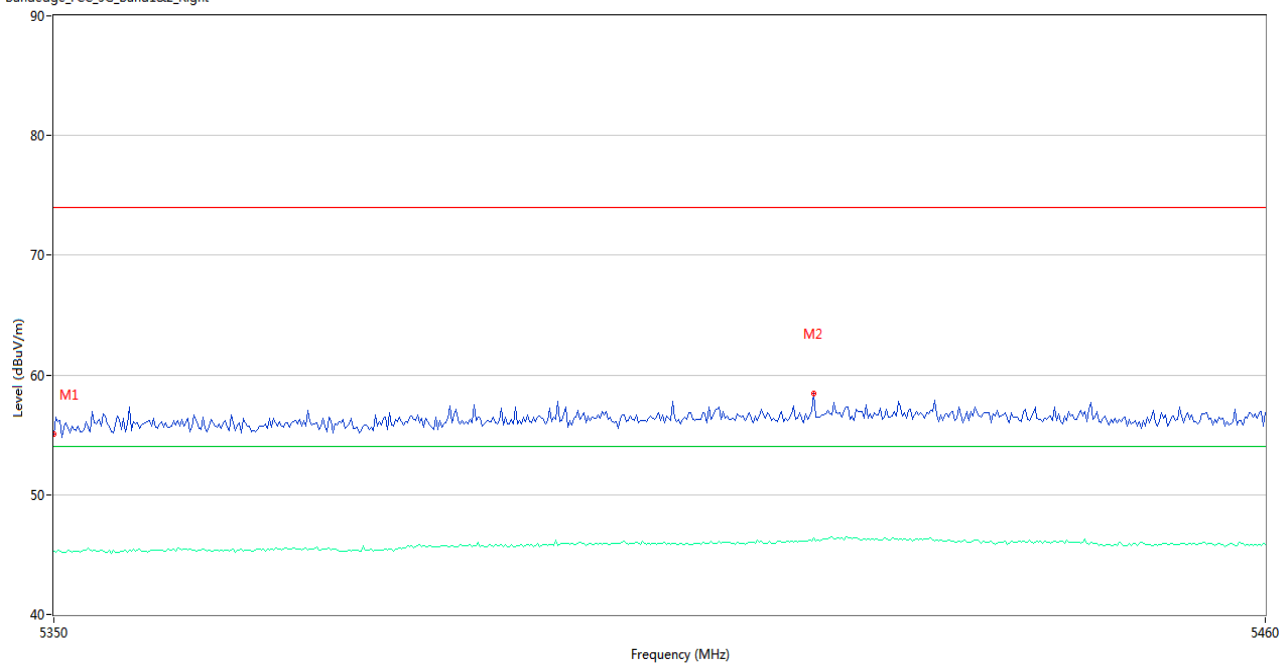
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5122.050	58.17	3.76	74.0	-15.83	Peak	241.00	100	Horizontal	Pass
1**	5122.050	46.36	3.76	54.0	-7.64	AV	241.00	100	Horizontal	Pass
2	5149.675	55.75	3.26	74.0	-18.25	Peak	101.00	150	Horizontal	Pass
2**	5149.675	46.70	3.26	54.0	-7.30	AV	101.00	150	Horizontal	Pass

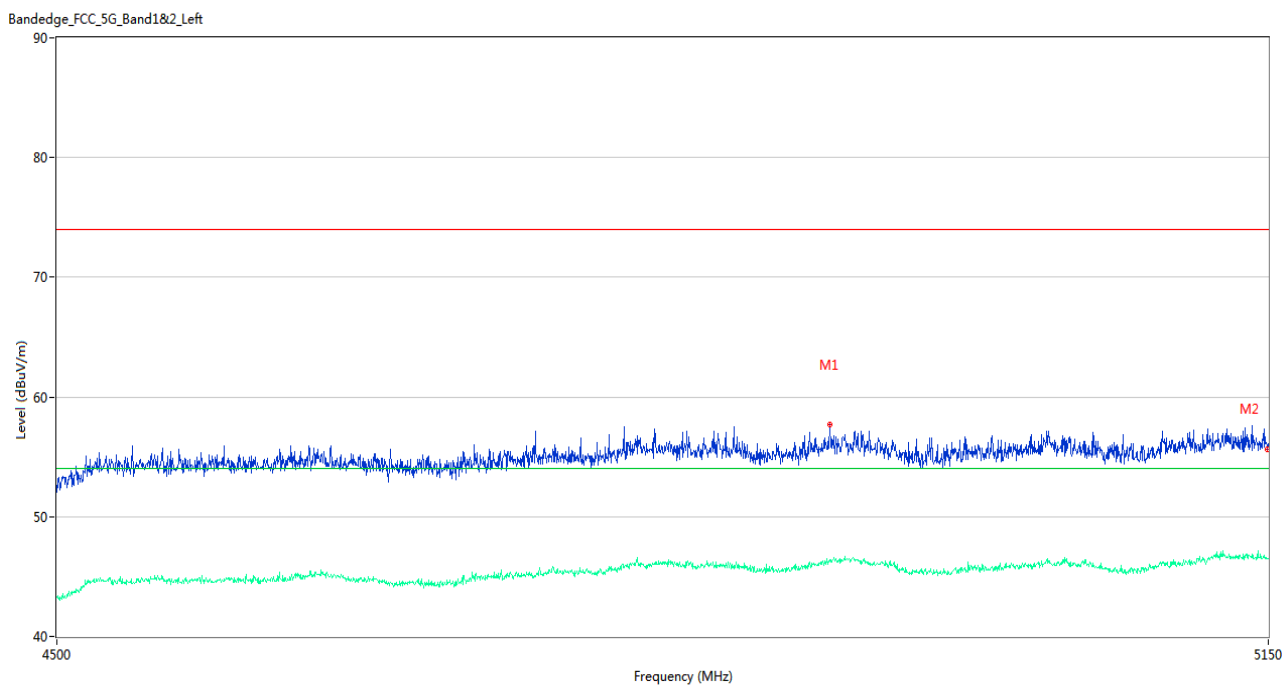
U-NII-2A 11a CH64

Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.02	2.98	74.0	-18.98	Peak	234.00	100	Horizontal	Pass
1**	5350.000	45.29	2.98	54.0	-8.71	AV	234.00	100	Horizontal	Pass
2	5418.750	58.46	3.24	74.0	-15.54	Peak	341.00	150	Horizontal	Pass
2**	5418.750	46.37	3.24	54.0	-7.63	AV	341.00	150	Horizontal	Pass

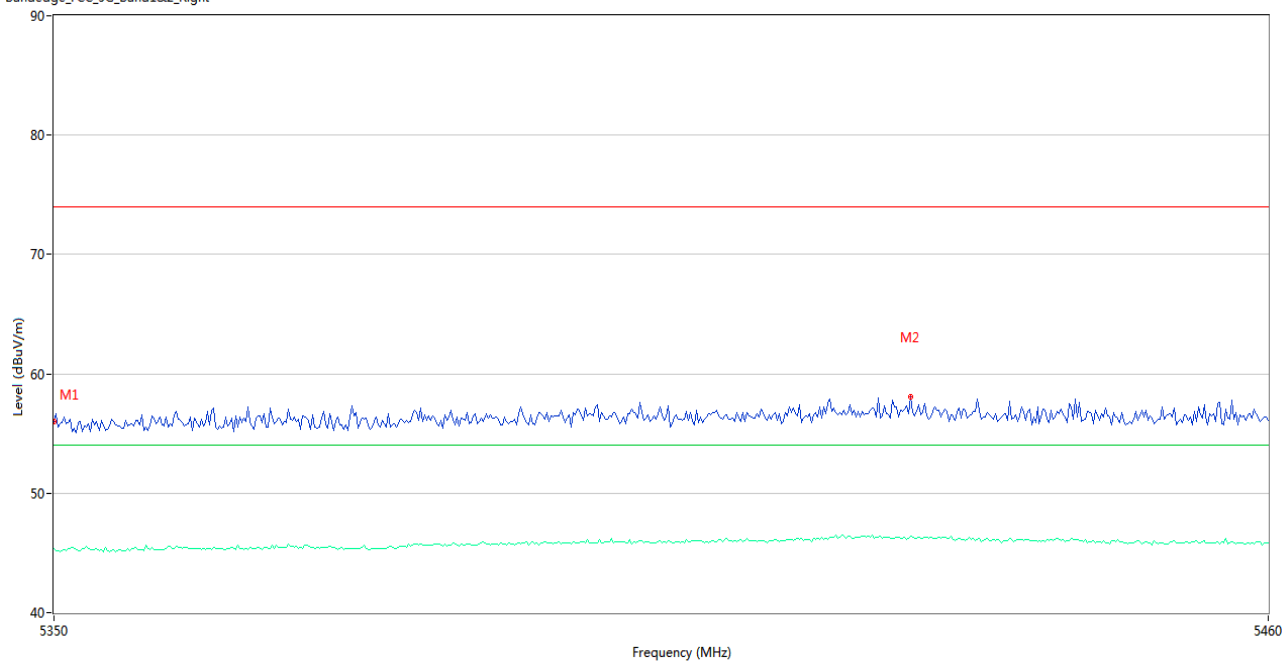
U-NII-2A 11n20 CH52



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4904.625	57.66	3.43	74.0	-16.34	Peak	348.00	100	Horizontal	Pass
1**	4904.625	46.36	3.43	54.0	-7.64	AV	348.00	100	Horizontal	Pass
2	5149.675	55.63	3.26	74.0	-18.37	Peak	360.00	100	Horizontal	Pass
2**	5149.675	46.45	3.26	54.0	-7.55	AV	360.00	100	Horizontal	Pass

U-NII-2A 11n20 CH64

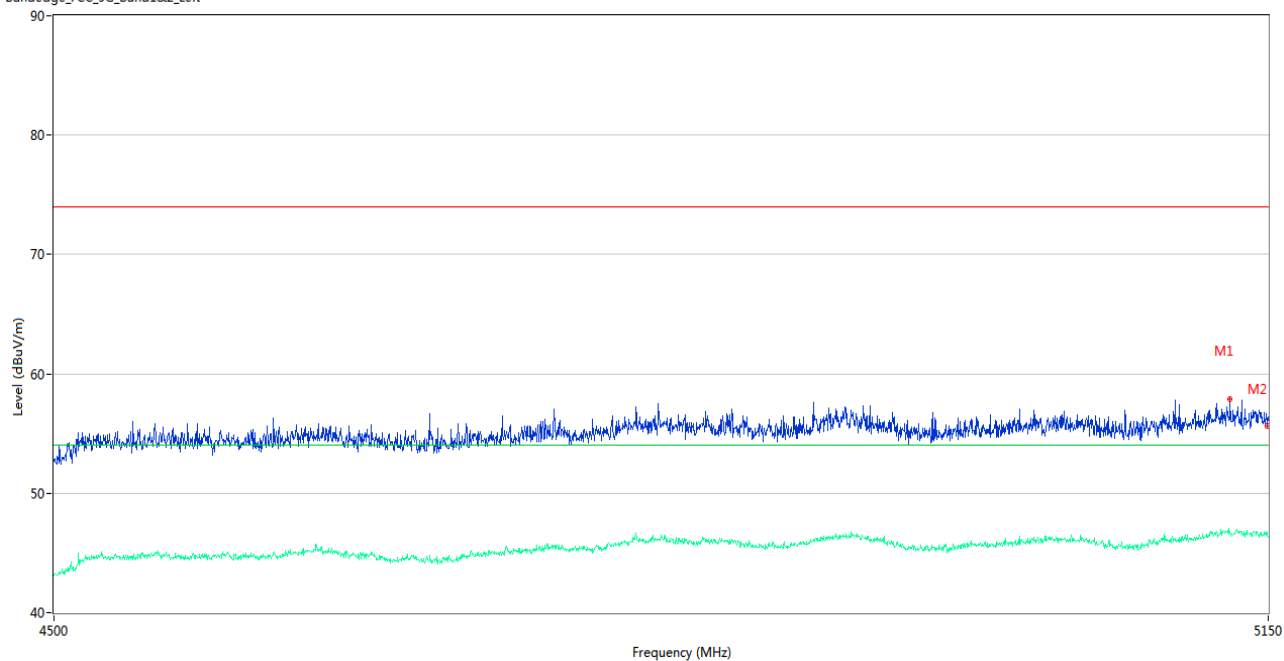
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.01	2.98	74.0	-17.99	Peak	158.00	150	Horizontal	Pass
1**	5350.000	45.37	2.98	54.0	-8.63	AV	158.00	150	Horizontal	Pass
2	5427.367	58.06	3.30	74.0	-15.94	Peak	201.00	150	Horizontal	Pass
2**	5427.367	46.44	3.30	54.0	-7.56	AV	201.00	150	Horizontal	Pass

U-NII-2A 11n40 CH54

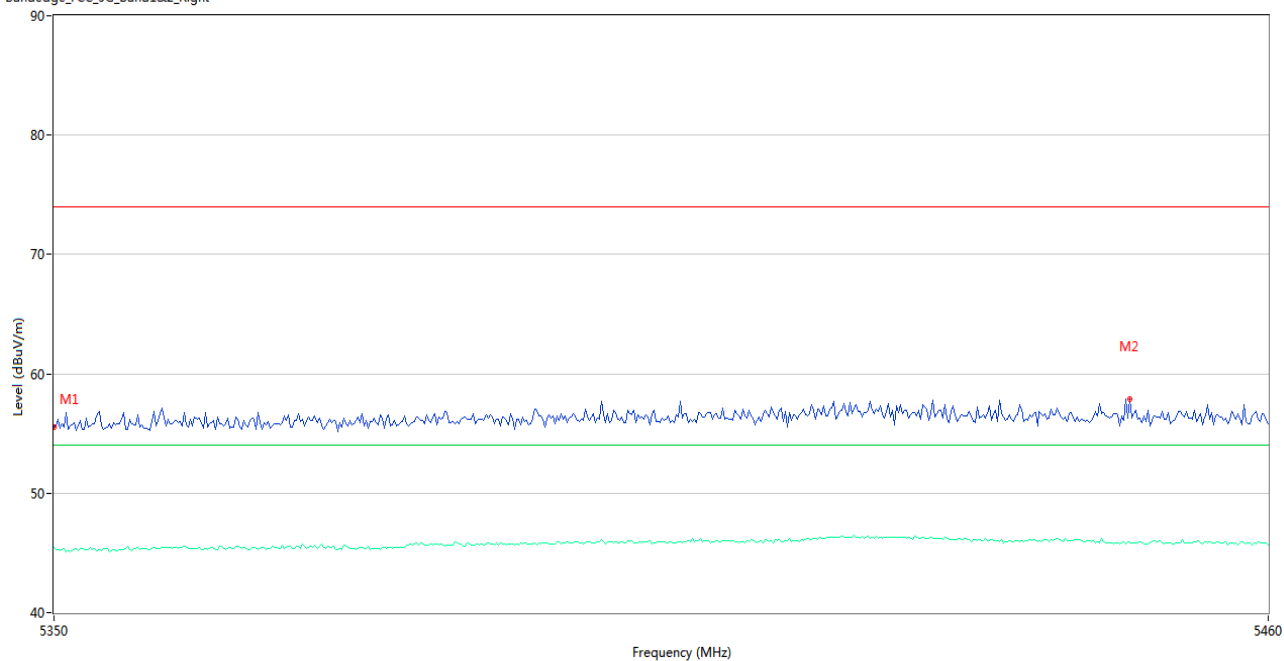
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5128.225	57.84	3.73	74.0	-16.16	Peak	111.00	150	Horizontal	Pass
1**	5128.225	46.65	3.73	54.0	-7.35	AV	111.00	150	Horizontal	Pass
2	5149.675	55.60	3.26	74.0	-18.40	Peak	173.00	100	Horizontal	Pass
2**	5149.675	46.48	3.26	54.0	-7.52	AV	173.00	100	Horizontal	Pass

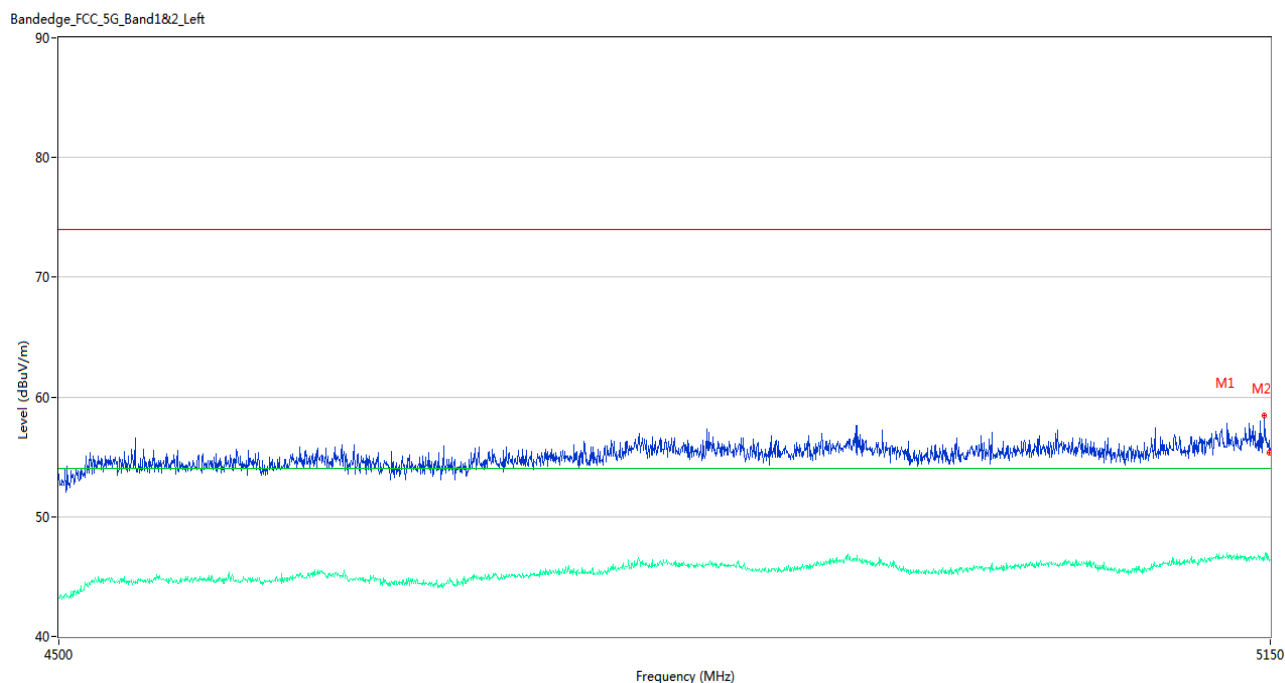
U-NII-2A 11n40 CH62

Bandedge_FCC_5G_Band1&2_Right



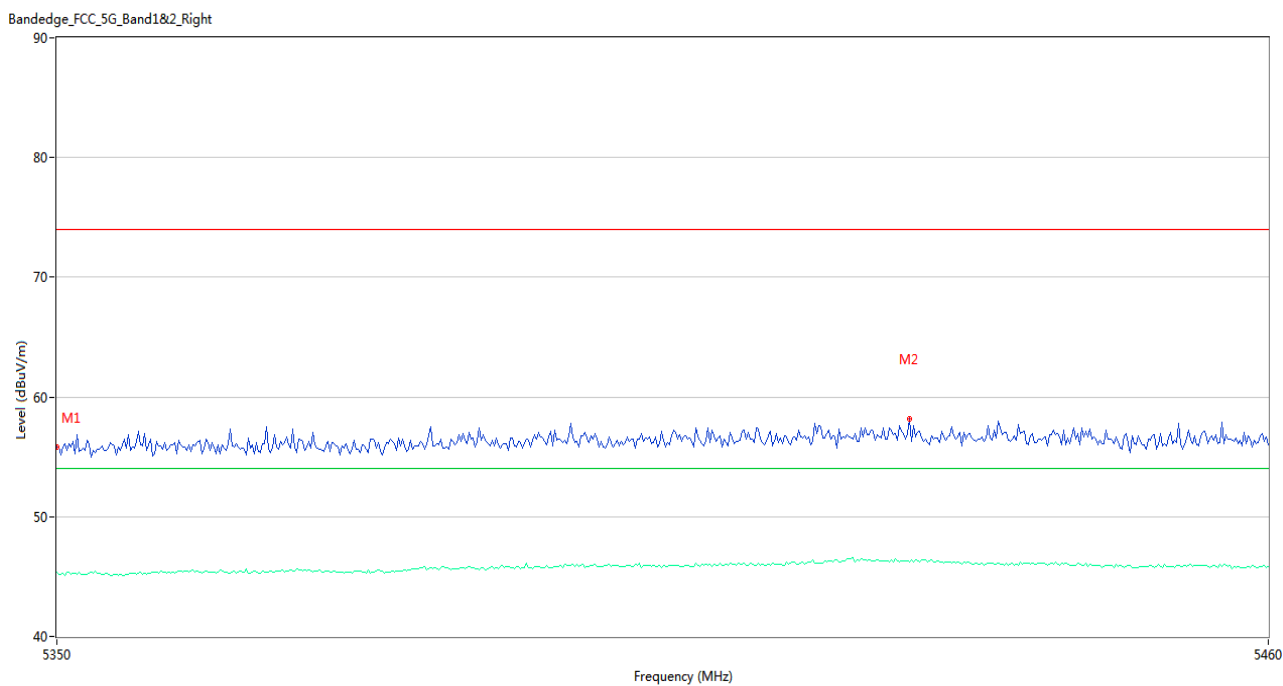
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.56	2.98	74.0	-18.44	Peak	114.00	100	Horizontal	Pass
1**	5350.000	45.42	2.98	54.0	-8.58	AV	114.00	100	Horizontal	Pass
2	5447.350	57.92	3.60	74.0	-16.08	Peak	199.00	200	Horizontal	Pass
2**	5447.350	45.84	3.60	54.0	-8.16	AV	199.00	200	Horizontal	Pass

U-NII-2A 11ac20 CH52



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.750	58.42	3.39	74.0	-15.58	Peak	15.00	150	Horizontal	Pass
1**	5146.750	46.44	3.39	54.0	-7.56	AV	15.00	150	Horizontal	Pass
2	5149.675	55.34	3.26	74.0	-18.66	Peak	240.00	200	Horizontal	Pass
2**	5149.675	46.45	3.26	54.0	-7.55	AV	240.00	200	Horizontal	Pass

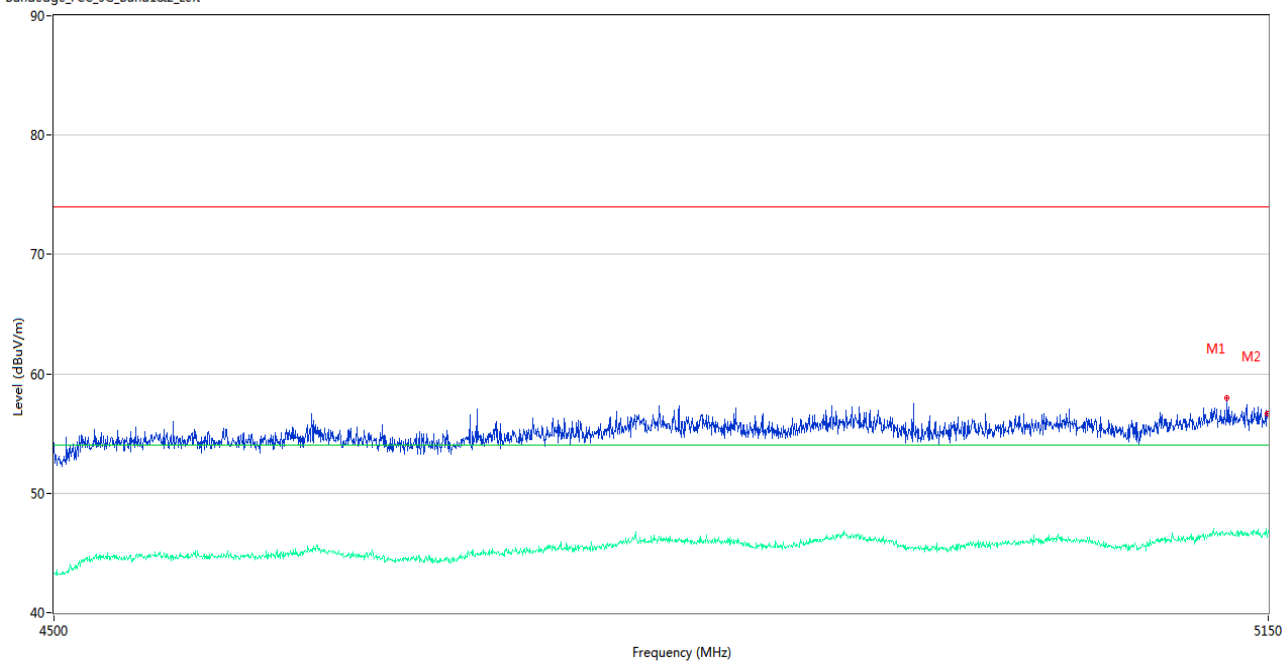
U-NII-2A 11ac20 CH64



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.79	2.98	74.0	-18.21	Peak	82.00	100	Horizontal	Pass
1**	5350.000	45.32	2.98	54.0	-8.68	AV	82.00	100	Horizontal	Pass
2	5427.183	58.13	3.30	74.0	-15.87	Peak	335.00	100	Horizontal	Pass
2**	5427.183	46.24	3.30	54.0	-7.76	AV	335.00	100	Horizontal	Pass

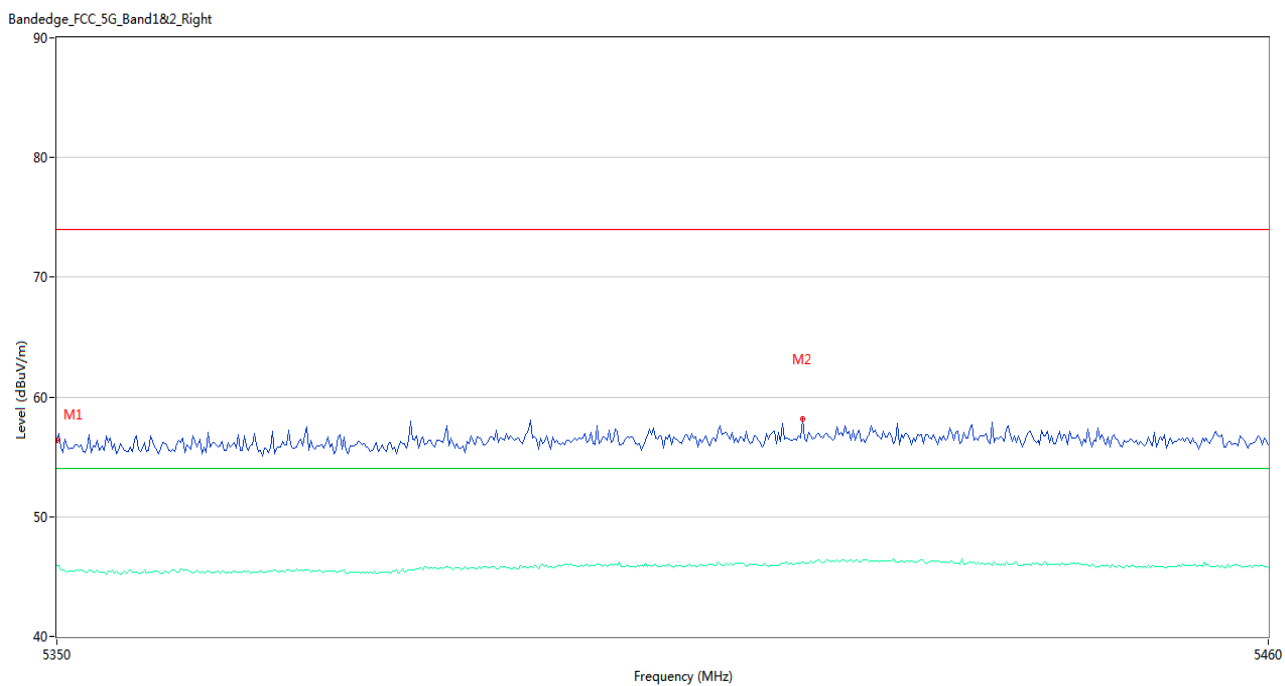
U-NII-2A 11ac40 CH54

Bandedge_FCC_5G_Band1&2_Left



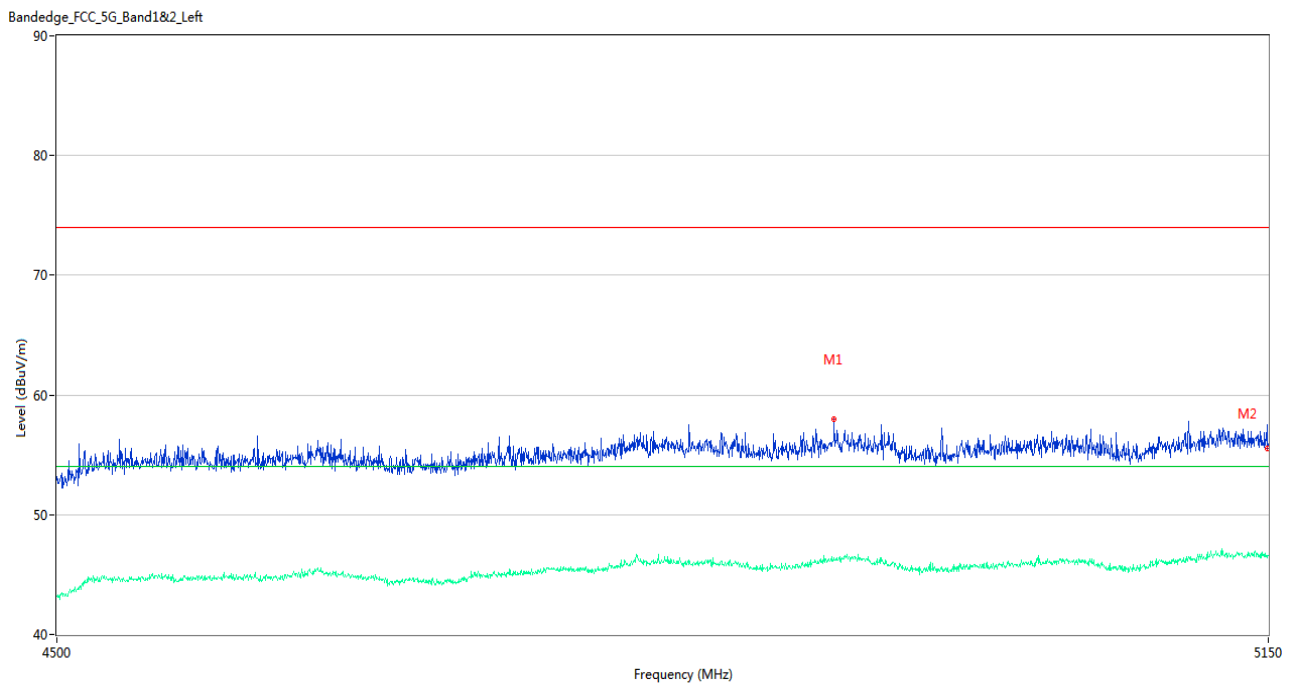
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.600	57.99	3.79	74.0	-16.01	Peak	196.00	150	Horizontal	Pass
1**	5126.600	46.72	3.79	54.0	-7.28	AV	196.00	150	Horizontal	Pass
2	5149.675	56.68	3.26	74.0	-17.32	Peak	236.00	150	Horizontal	Pass
2**	5149.675	46.33	3.26	54.0	-7.67	AV	236.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH62



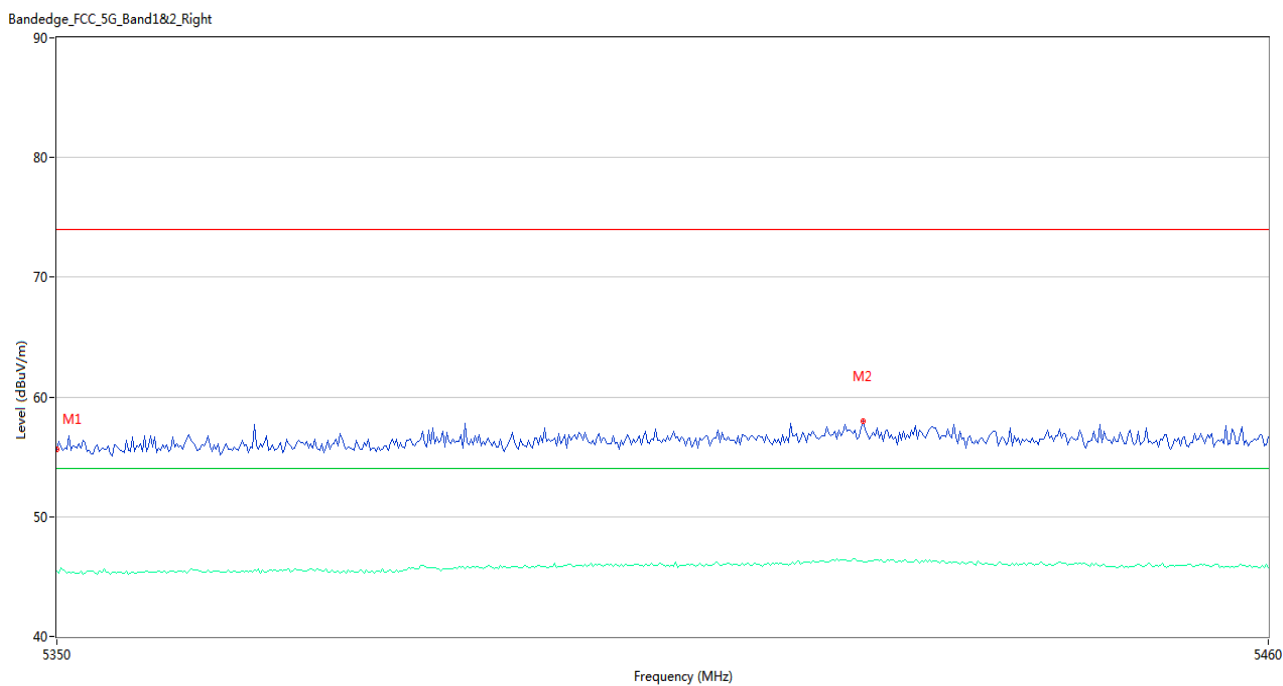
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.40	2.98	74.0	-17.60	Peak	182.00	200	Horizontal	Pass
1**	5350.000	45.96	2.98	54.0	-8.04	AV	182.00	200	Horizontal	Pass
2	5417.467	58.17	3.22	74.0	-15.83	Peak	141.00	200	Horizontal	Pass
2**	5417.467	46.22	3.22	54.0	-7.78	AV	141.00	200	Horizontal	Pass

U-NII-2A 11ac80 CH58



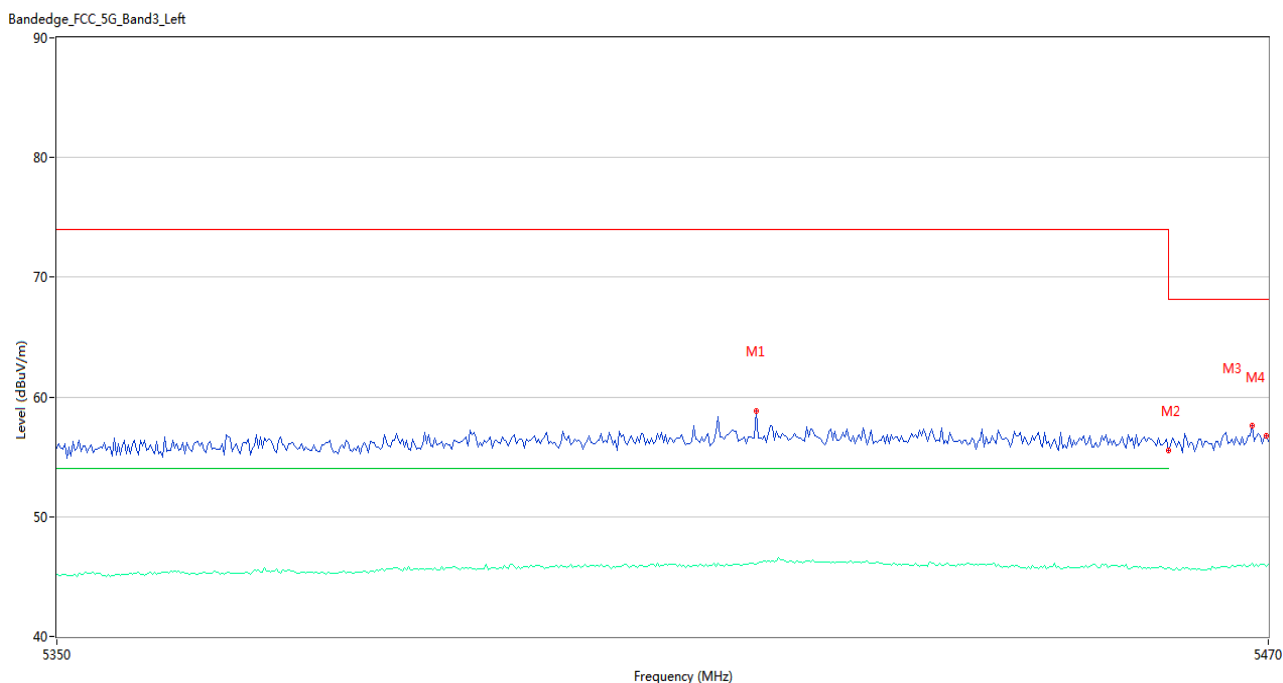
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4906.900	57.99	3.43	74.0	-16.01	Peak	200.00	150	Horizontal	Pass
1**	4906.900	46.17	3.43	54.0	-7.83	AV	200.00	150	Horizontal	Pass
2	5149.675	55.54	3.26	74.0	-18.46	Peak	144.00	150	Horizontal	Pass
2**	5149.675	46.63	3.26	54.0	-7.37	AV	144.00	150	Horizontal	Pass

U-NII-2A 11ac80 CH58



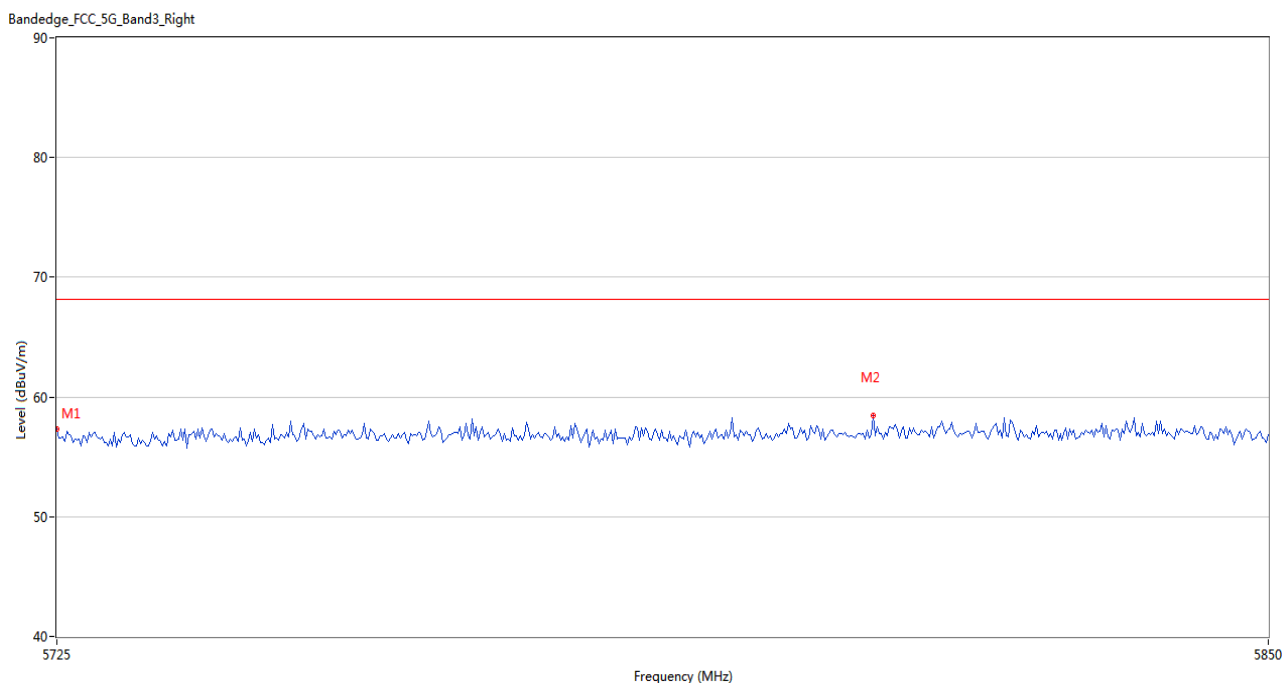
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.59	2.98	74.0	-18.41	Peak	235.00	100	Horizontal	Pass
1**	5350.000	45.51	2.98	54.0	-8.49	AV	235.00	100	Horizontal	Pass
2	5422.967	58.01	3.28	74.0	-15.99	Peak	13.00	100	Horizontal	Pass
2**	5422.967	46.22	3.28	54.0	-7.78	AV	13.00	100	Horizontal	Pass

U-NII-2C 11a CH100



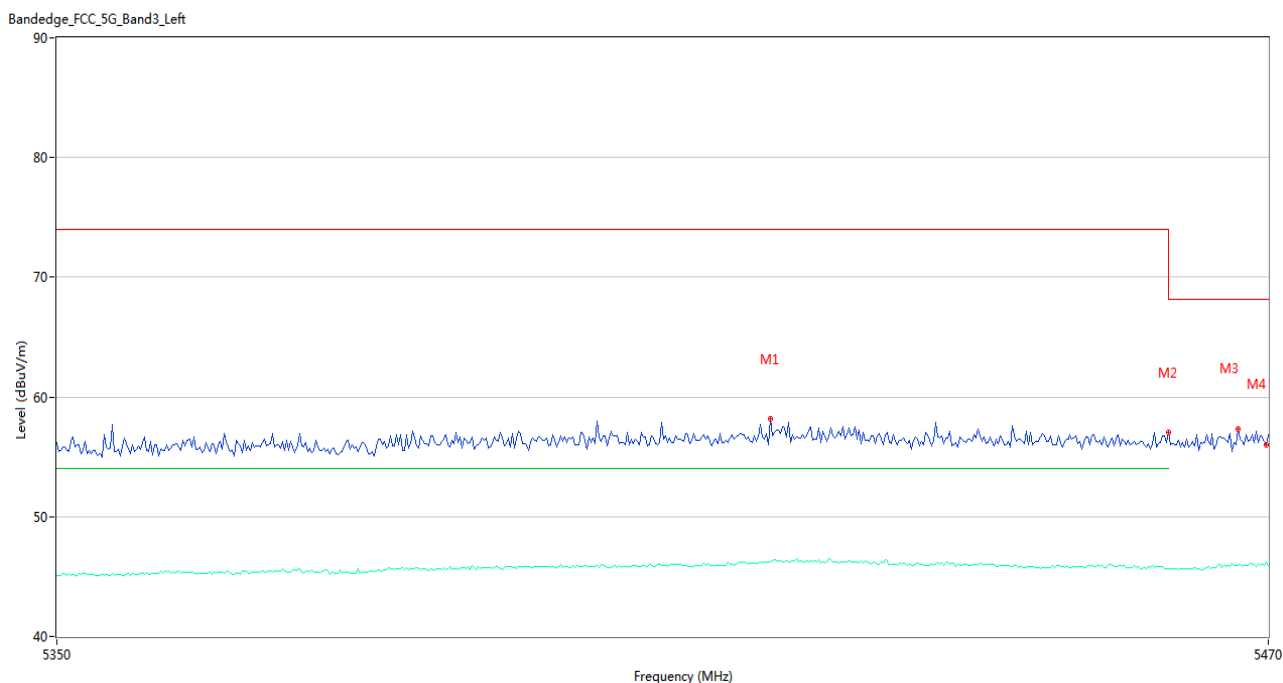
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5419.000	58.86	3.25	74.0	-15.14	Peak	233.00	100	Horizontal	Pass
1**	5419.000	46.06	3.25	54.0	-7.94	AV	233.00	100	Horizontal	Pass
2	5460.000	55.53	3.79	74.0	-18.47	Peak	94.00	100	Horizontal	Pass
2**	5460.000	45.70	3.79	54.0	-8.30	AV	94.00	100	Horizontal	Pass
3	5468.400	57.61	3.90	68.2	-10.59	Peak	28.00	150	Horizontal	Pass
3**	5468.400	46.12	3.90	--	--	AV	28.00	150	Horizontal	N/A
4	5469.800	56.77	3.88	68.2	-11.43	Peak	151.00	150	Horizontal	Pass
4**	5469.800	45.88	3.88	--	--	AV	151.00	150	Horizontal	N/A

U-NII-2C 11a CH140



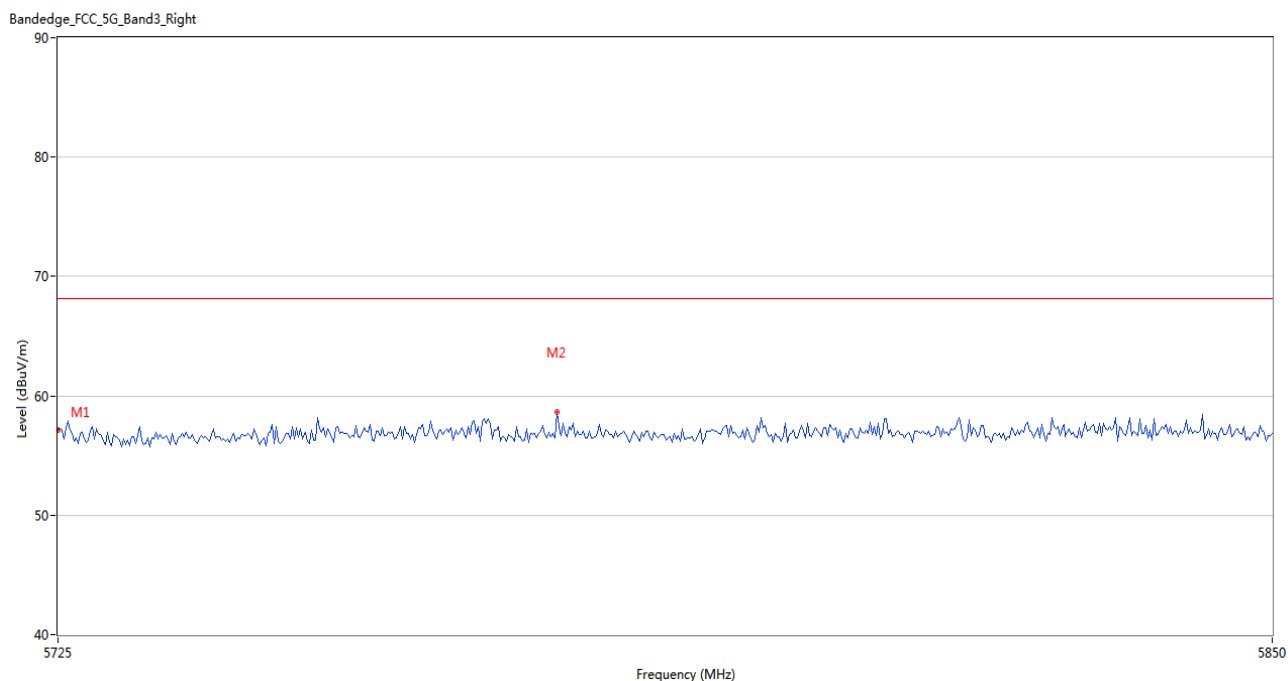
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.36	3.78	68.2	-10.84	Peak	276.00	200	Horizontal	Pass
2	5808.958	58.45	3.56	68.2	-9.75	Peak	2.00	200	Horizontal	Pass

U-NII-2C 11n20 CH100



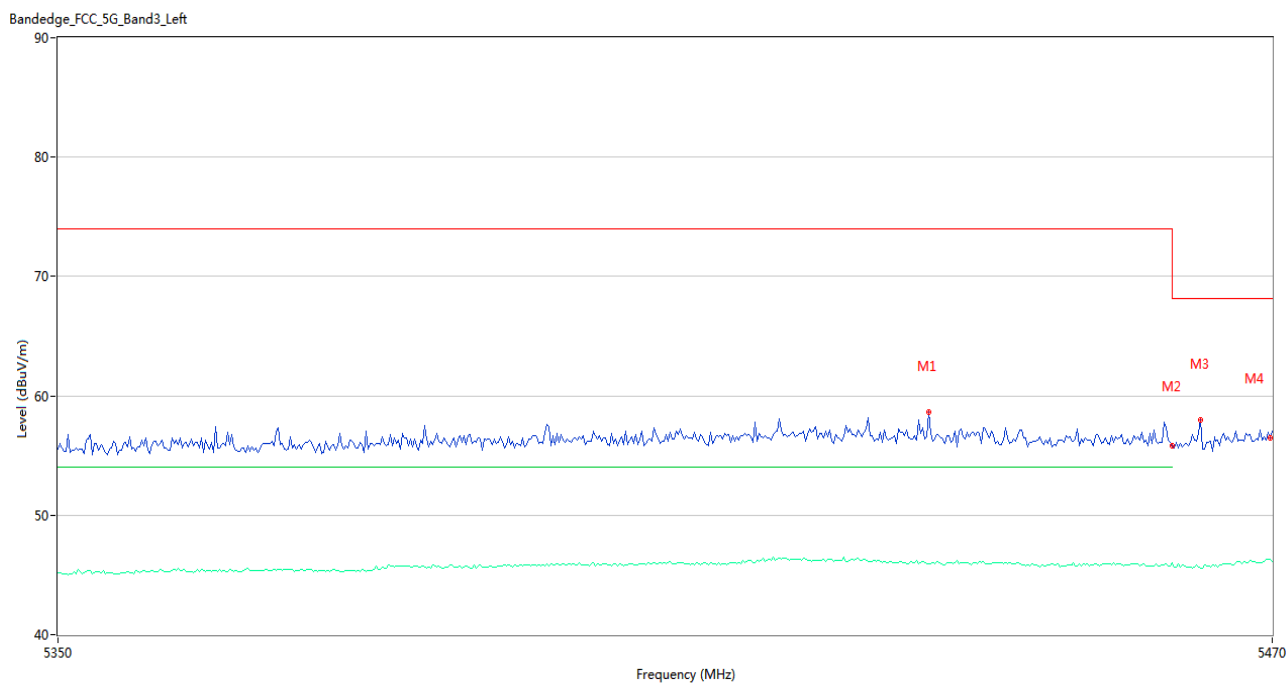
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5420.400	58.14	3.33	74.0	-15.86	Peak	239.00	150	Horizontal	Pass
1**	5420.400	46.23	3.33	54.0	-7.77	AV	239.00	150	Horizontal	Pass
2	5460.000	57.06	3.79	74.0	-16.94	Peak	181.00	150	Horizontal	Pass
2**	5460.000	45.66	3.79	54.0	-8.34	AV	181.00	150	Horizontal	Pass
3	5467.000	57.36	3.90	68.2	-10.84	Peak	205.00	100	Horizontal	Pass
3**	5467.000	45.93	3.90	--	--	AV	205.00	100	Horizontal	N/A
4	5469.800	56.04	3.88	68.2	-12.16	Peak	169.00	100	Horizontal	Pass
4**	5469.800	46.22	3.88	--	--	AV	169.00	100	Horizontal	N/A

U-NII-2C 11n20 CH140



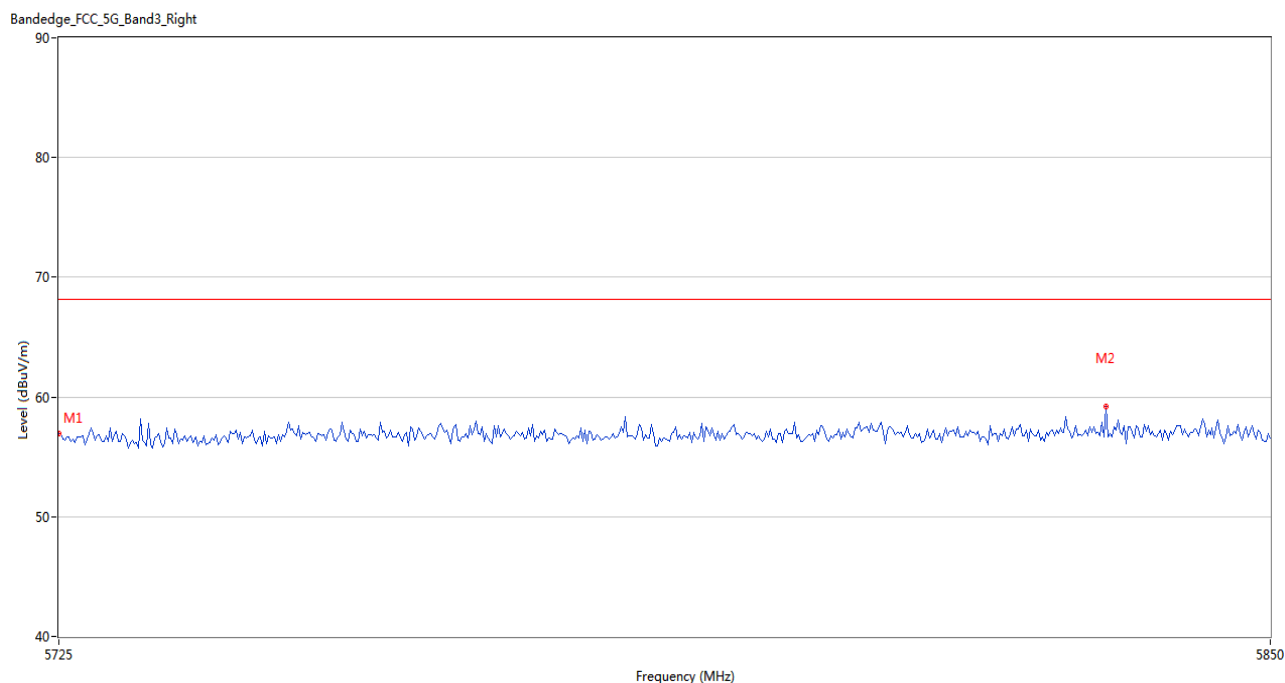
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.11	3.78	68.2	-11.09	Peak	215.00	150	Horizontal	Pass
2	5776.041	58.64	4.08	68.2	-9.56	Peak	160.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



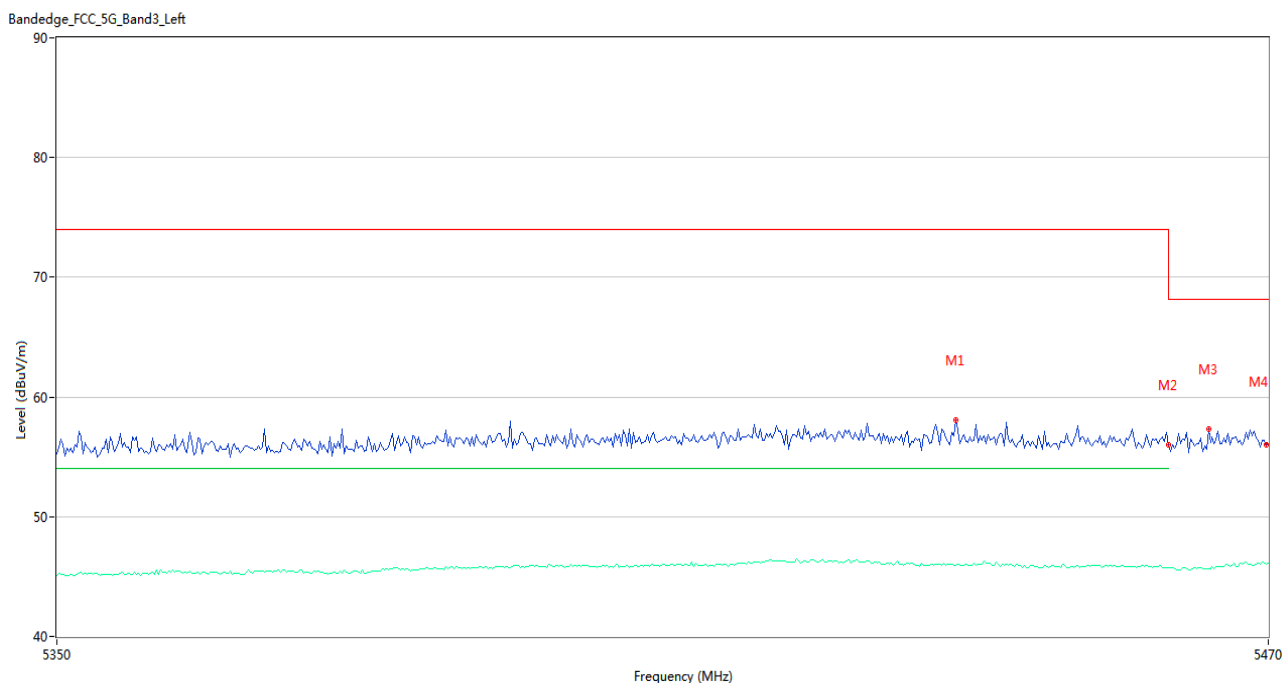
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5435.800	58.69	3.38	74.0	-15.31	Peak	190.00	200	Horizontal	Pass
1**	5435.800	45.92	3.38	54.0	-8.08	AV	190.00	200	Horizontal	Pass
2	5460.000	55.80	3.79	74.0	-18.20	Peak	219.00	150	Horizontal	Pass
2**	5460.000	46.02	3.79	54.0	-7.98	AV	219.00	150	Horizontal	Pass
3	5462.800	57.99	3.67	68.2	-10.21	Peak	189.00	150	Horizontal	Pass
3**	5462.800	45.55	3.67	--	--	AV	189.00	150	Horizontal	N/A
4	5469.800	56.51	3.88	68.2	-11.69	Peak	355.00	100	Horizontal	Pass
4**	5469.800	46.27	3.88	--	--	AV	355.00	100	Horizontal	N/A

U-NII-2C 11n40 CH134



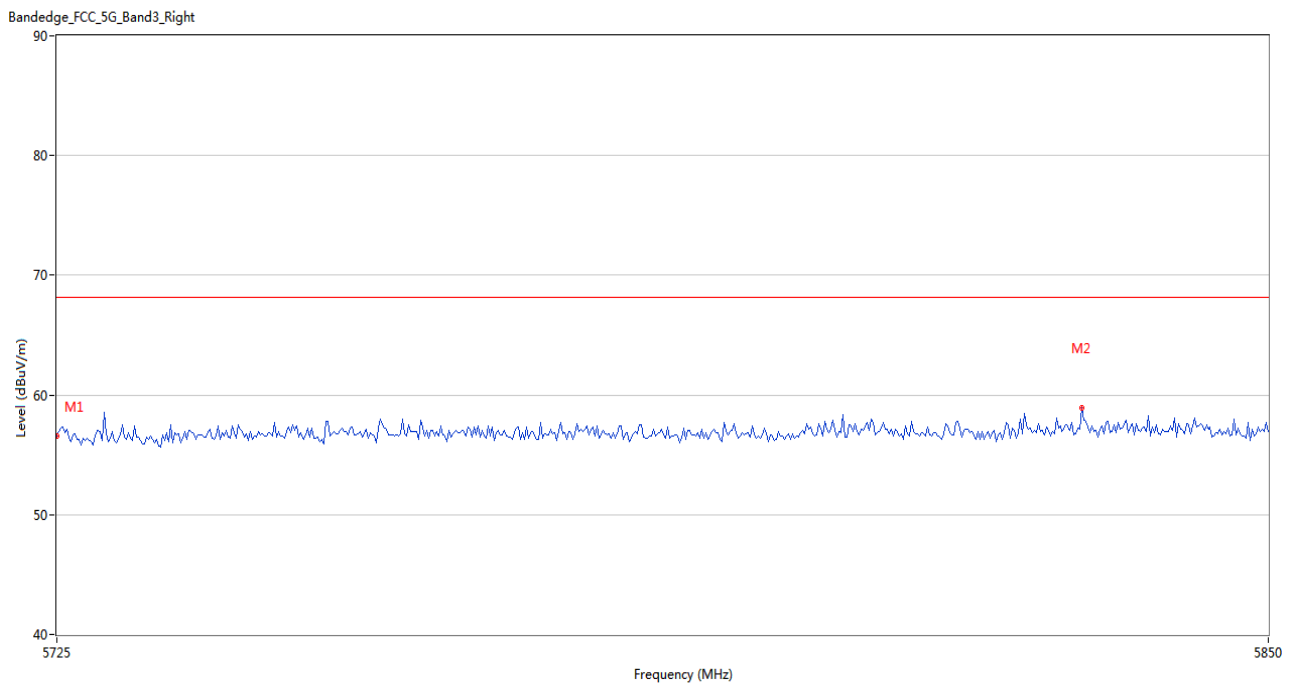
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.98	3.78	68.2	-11.22	Peak	111.00	150	Horizontal	Pass
2	5832.916	59.23	3.89	68.2	-8.97	Peak	193.00	150	Horizontal	Pass

U-NII-2C 11ac20 CH100



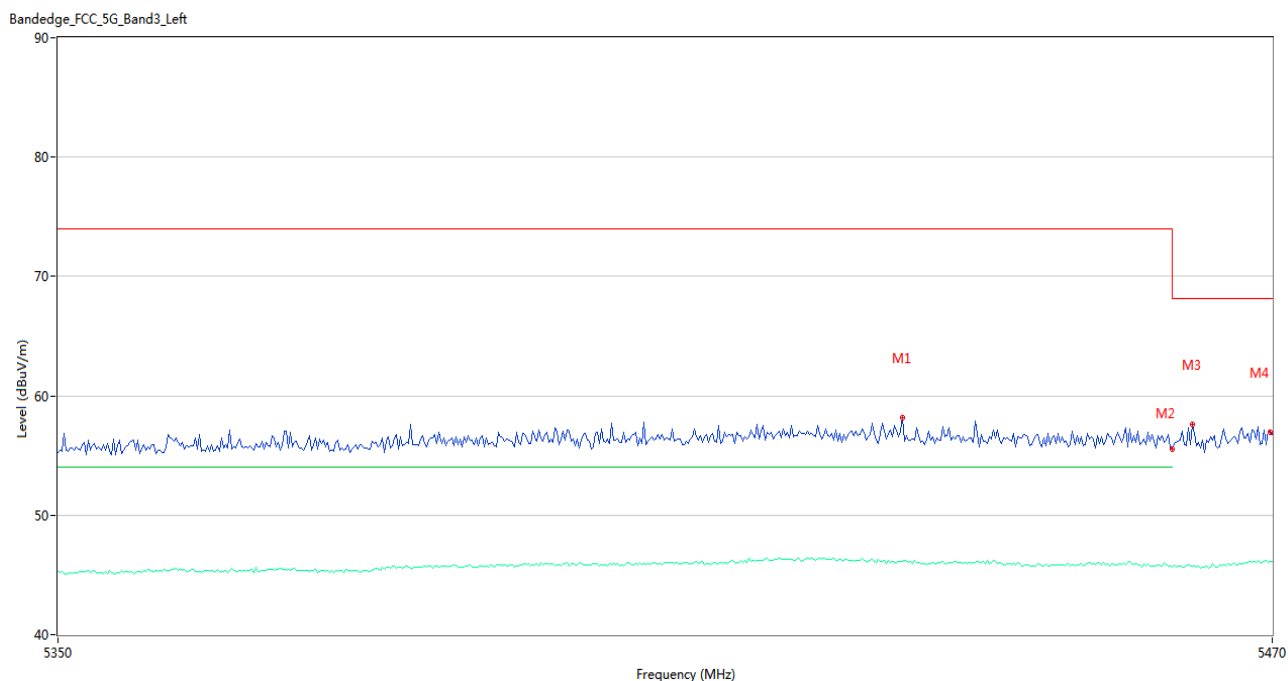
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5438.800	58.04	3.55	74.0	-15.96	Peak	67.00	200	Horizontal	Pass
1**	5438.800	45.97	3.55	54.0	-8.03	AV	67.00	200	Horizontal	Pass
2	5460.000	56.04	3.79	74.0	-17.96	Peak	164.00	150	Horizontal	Pass
2**	5460.000	45.74	3.79	54.0	-8.26	AV	164.00	150	Horizontal	Pass
3	5464.000	57.30	3.71	68.2	-10.90	Peak	172.00	200	Horizontal	Pass
3**	5464.000	45.63	3.71	--	--	AV	172.00	200	Horizontal	N/A
4	5469.800	56.05	3.88	68.2	-12.15	Peak	318.00	100	Horizontal	Pass
4**	5469.800	46.04	3.88	--	--	AV	318.00	100	Horizontal	N/A

U-NII-2C 11ac20 CH140



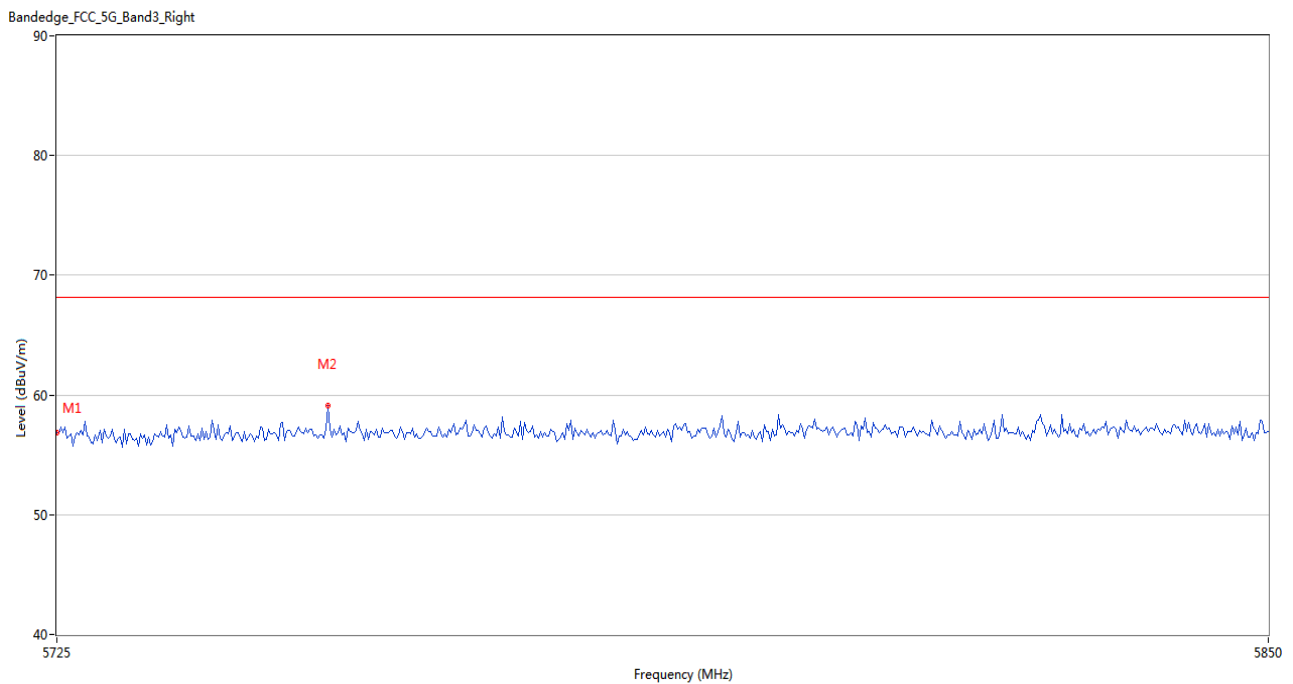
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.60	3.78	68.2	-11.60	Peak	151.00	150	Horizontal	Pass
2	5830.625	58.92	3.87	68.2	-9.28	Peak	345.00	200	Horizontal	Pass

U-NII-2C 11ac40 CH102



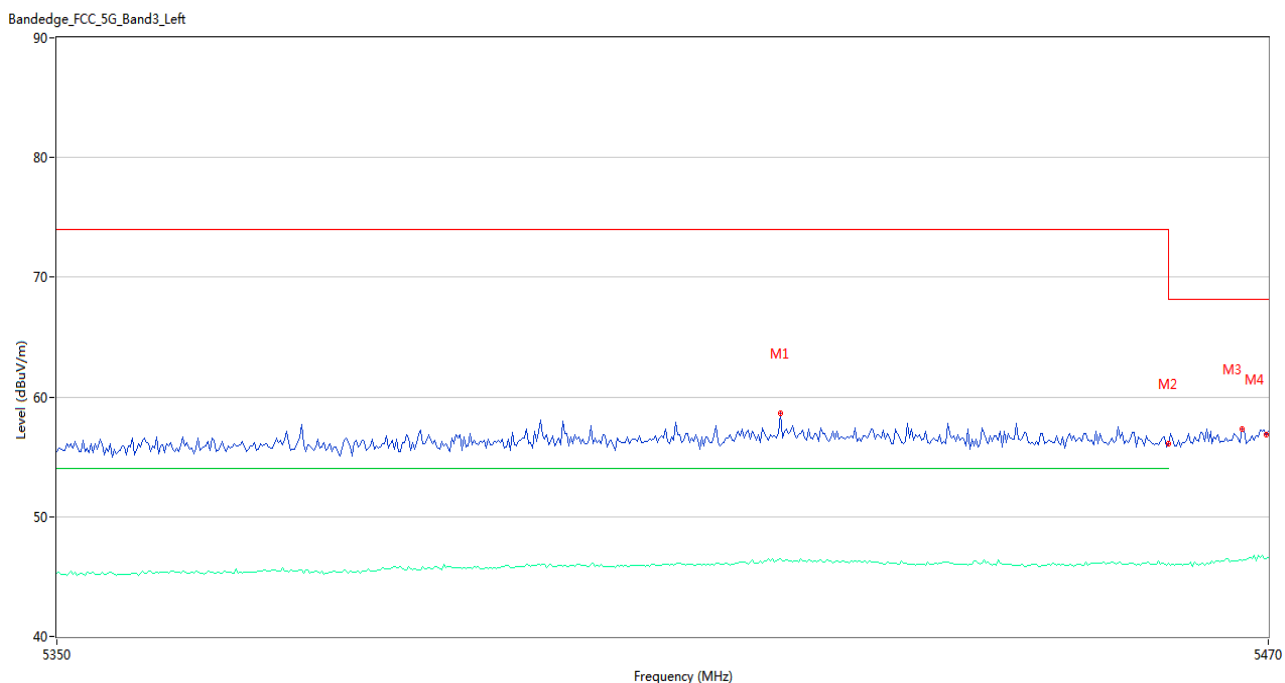
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5433.200	58.19	3.39	74.0	-15.81	Peak	269.00	200	Horizontal	Pass
1**	5433.200	46.08	3.39	54.0	-7.92	AV	269.00	200	Horizontal	Pass
2	5460.000	55.54	3.79	74.0	-18.46	Peak	135.00	100	Horizontal	Pass
2**	5460.000	45.68	3.79	54.0	-8.32	AV	135.00	100	Horizontal	Pass
3	5462.000	57.61	3.67	68.2	-10.59	Peak	256.00	150	Horizontal	Pass
3**	5462.000	45.74	3.67	--	--	AV	256.00	150	Horizontal	N/A
4	5469.800	56.91	3.88	68.2	-11.29	Peak	353.00	200	Horizontal	Pass
4**	5469.800	46.08	3.88	--	--	AV	353.00	200	Horizontal	N/A

U-NII-2C 11ac40 CH134



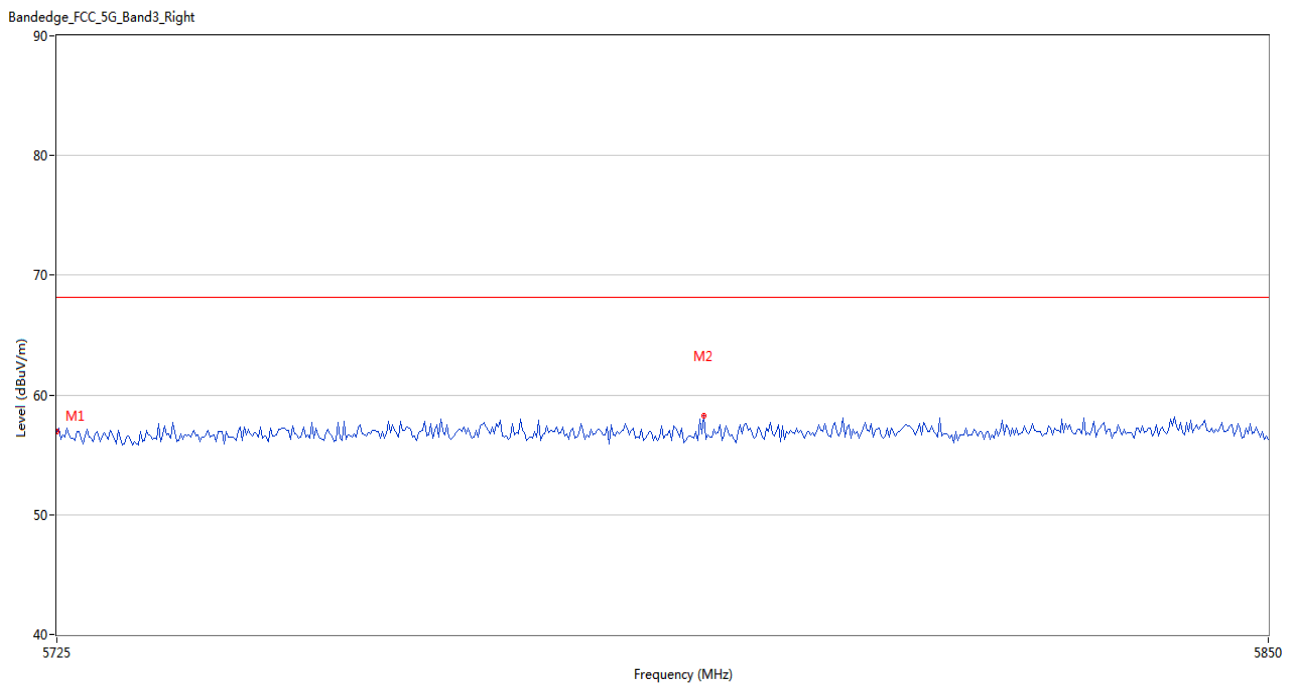
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.84	3.78	68.2	-11.36	Peak	192.00	100	Horizontal	Pass
2	5752.709	59.10	3.82	68.2	-9.10	Peak	318.00	200	Horizontal	Pass

U-NII-2C 11ac80 CH106



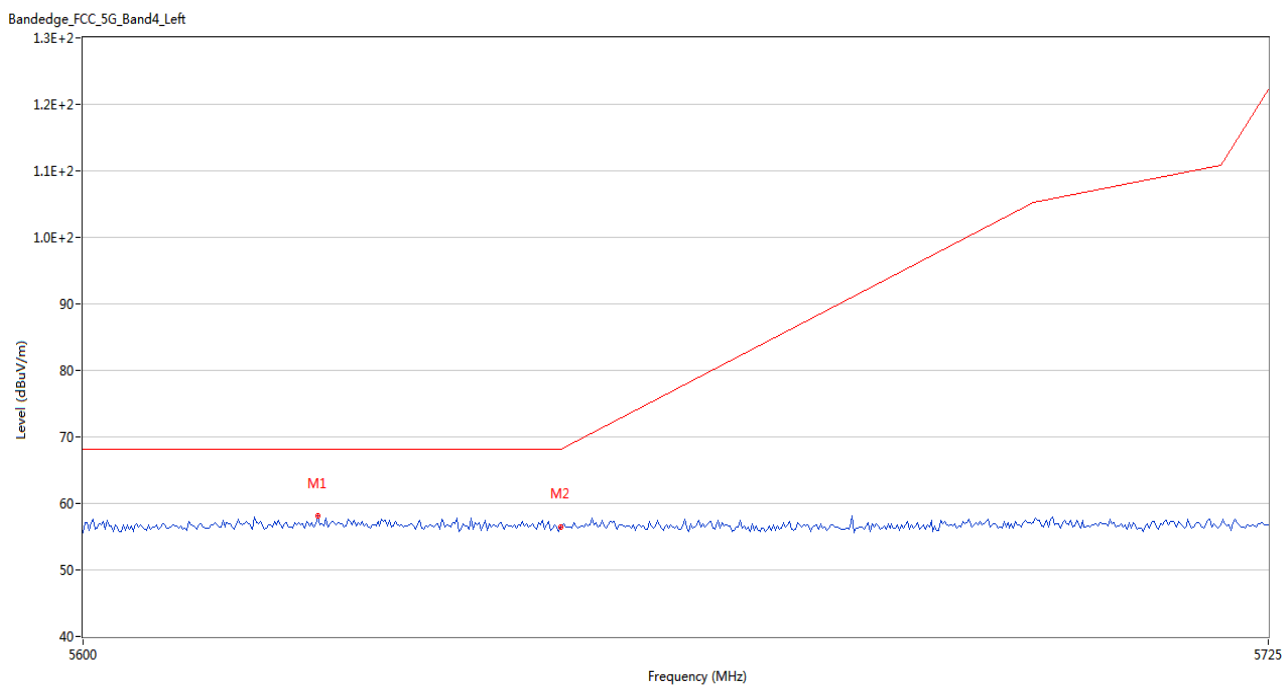
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5421.400	58.61	3.34	74.0	-15.39	Peak	227.00	200	Horizontal	Pass
1**	5421.400	46.48	3.34	54.0	-7.52	AV	227.00	200	Horizontal	Pass
2	5460.000	56.12	3.79	74.0	-17.88	Peak	44.00	200	Horizontal	Pass
2**	5460.000	46.09	3.79	54.0	-7.91	AV	44.00	200	Horizontal	Pass
3	5467.400	57.31	3.91	68.2	-10.89	Peak	71.00	100	Horizontal	Pass
3**	5467.400	46.29	3.91	--	--	AV	71.00	100	Horizontal	N/A
4	5469.800	56.87	3.88	68.2	-11.33	Peak	205.00	100	Horizontal	Pass
4**	5469.800	46.53	3.88	--	--	AV	205.00	100	Horizontal	N/A

U-NII-2C 11ac80 CH122



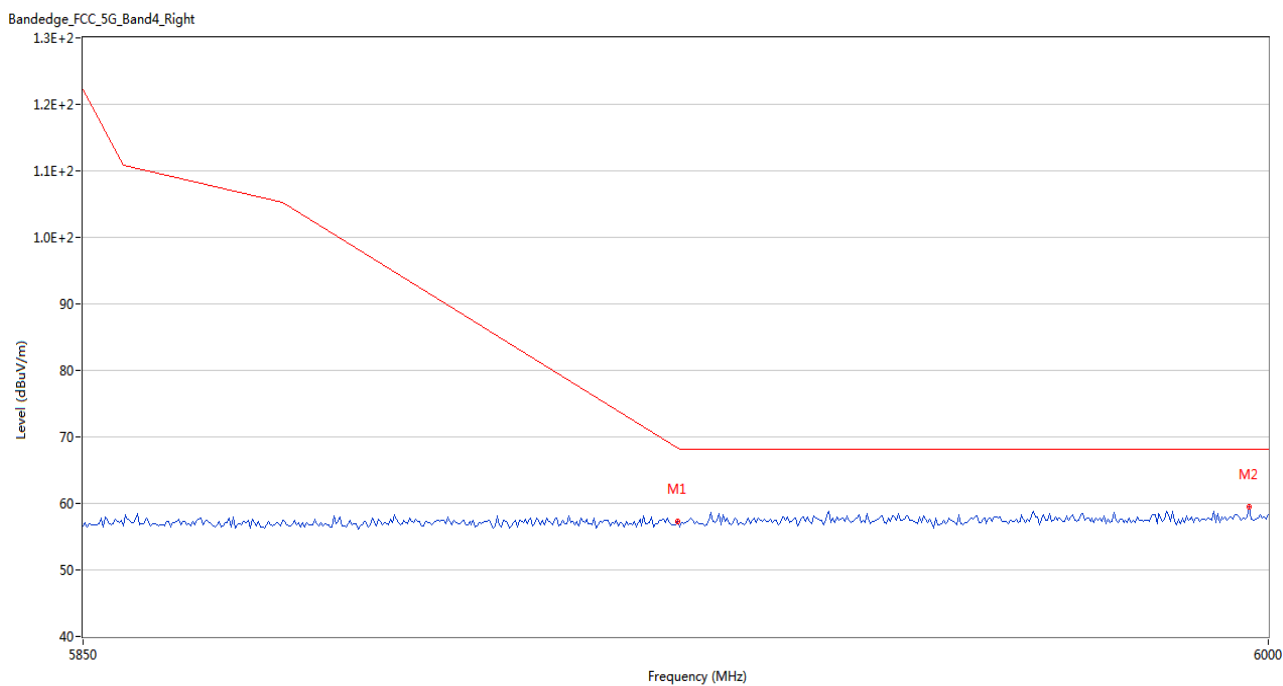
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.97	3.78	68.2	-11.23	Peak	6.00	200	Horizontal	Pass
2	5791.458	58.23	3.43	68.2	-9.97	Peak	299.00	150	Horizontal	Pass

U-NII-3 11a CH149



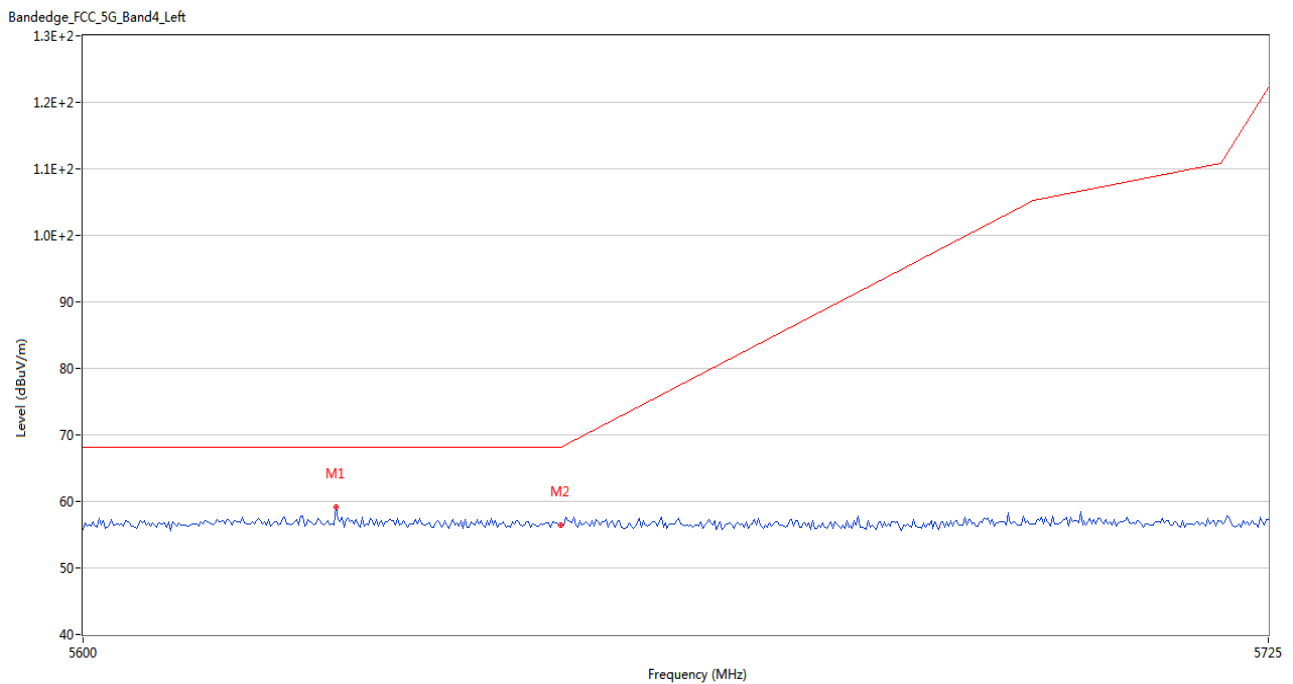
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5624.584	58.10	3.34	68.2	-10.10	Peak	292.00	200	Horizontal	Pass
2	5650.000	56.48	3.60	68.2	-11.72	Peak	285.00	200	Horizontal	Pass

U-NII-3 11a CH165



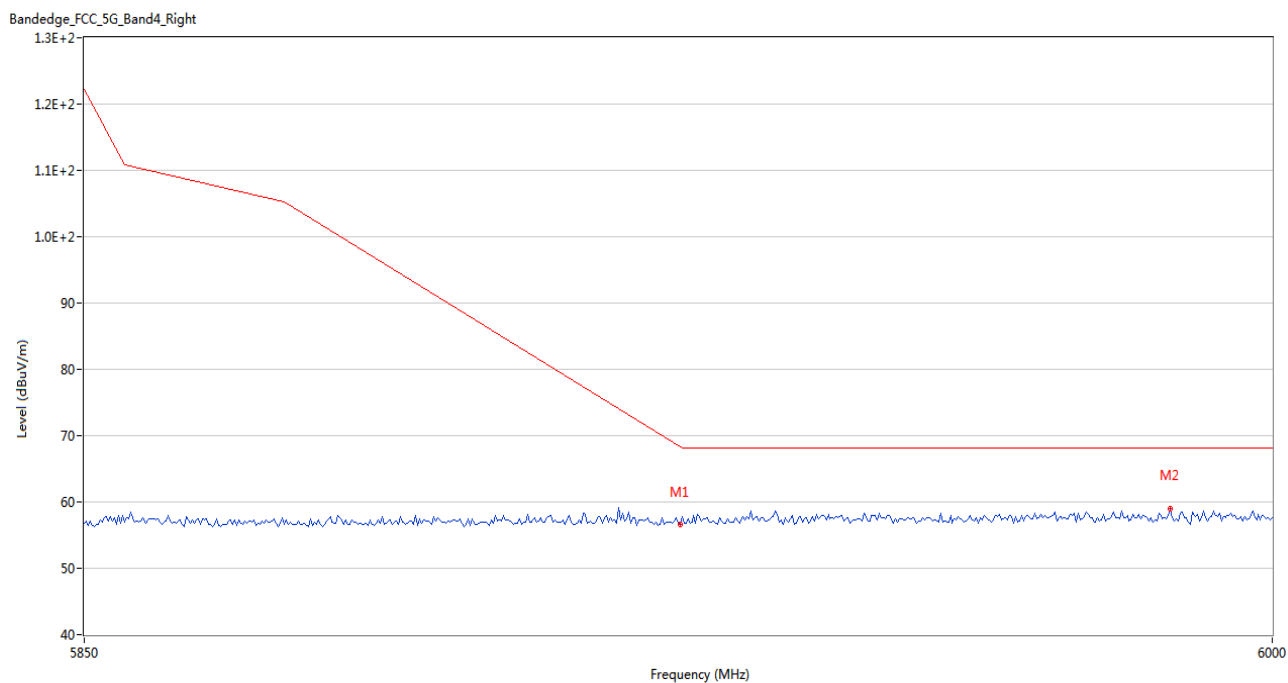
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	57.25	3.41	68.4	-11.15	Peak	8.00	200	Horizontal	Pass
2	5997.500	59.46	4.52	68.2	-8.74	Peak	246.00	100	Horizontal	Pass

U-NII-3 11n20 CH149



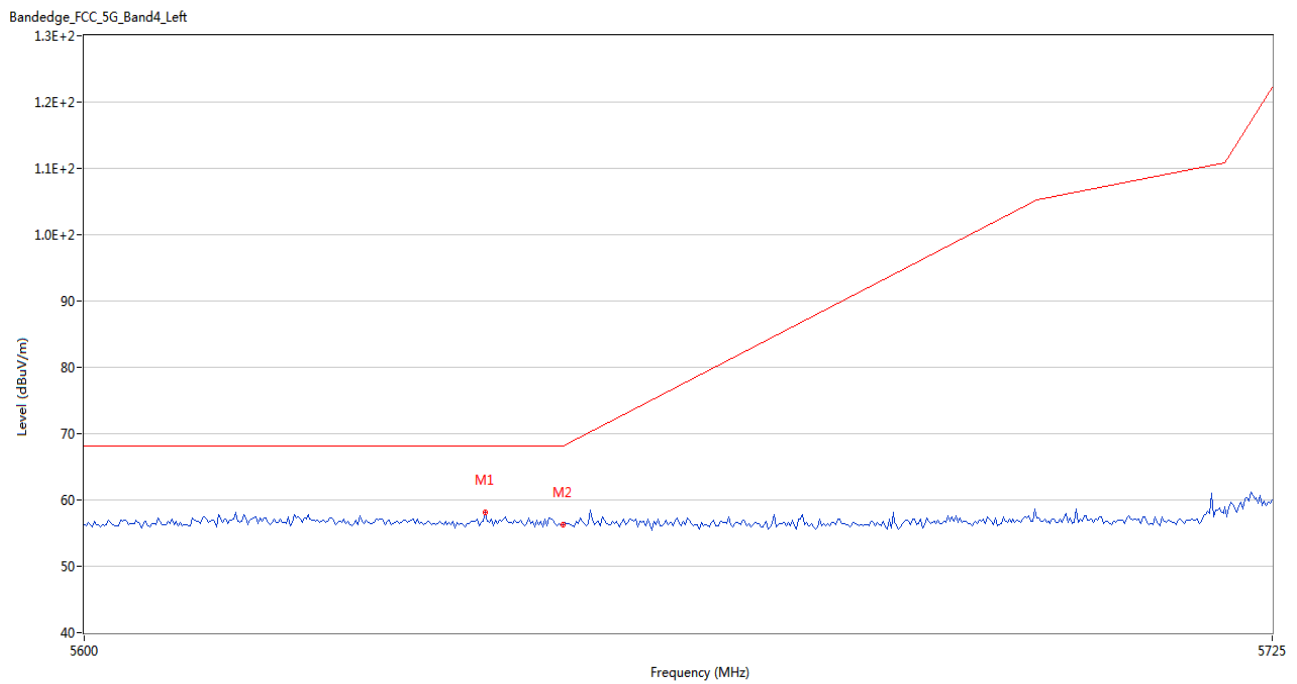
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5626.459	59.18	3.38	68.2	-9.02	Peak	135.00	100	Horizontal	Pass
2	5650.000	56.52	3.60	68.2	-11.68	Peak	47.00	200	Horizontal	Pass

U-NII-3 11n20 CH165



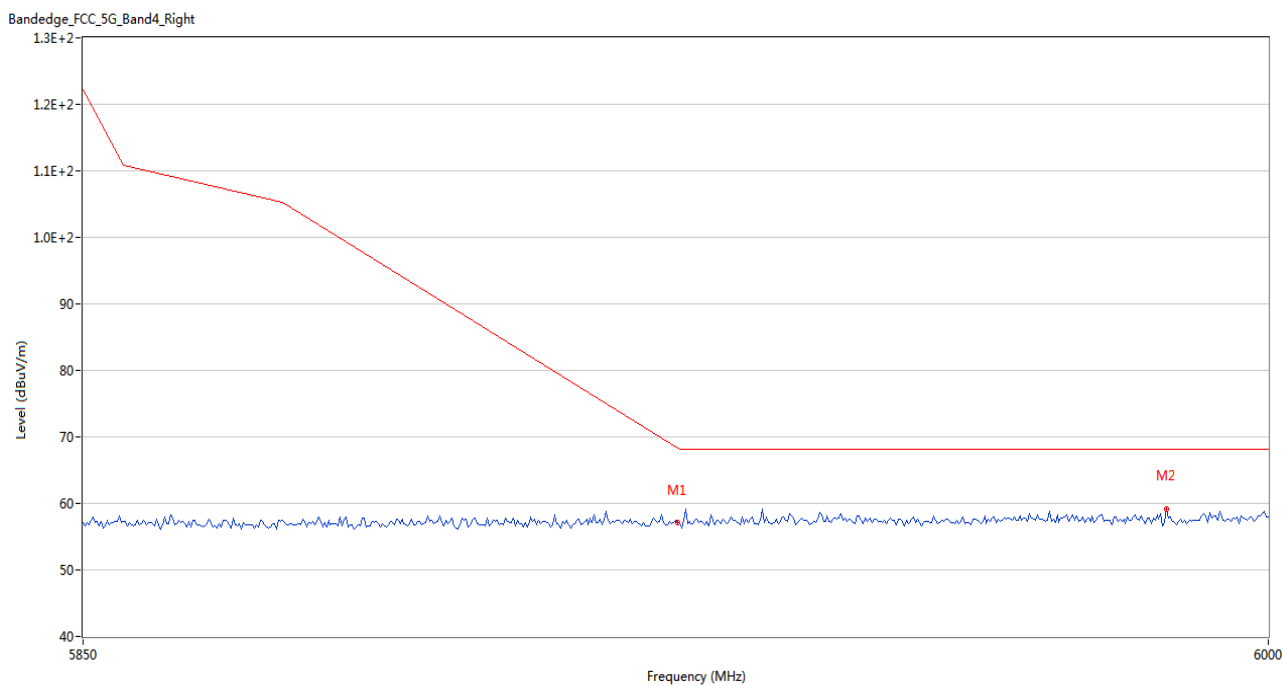
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	56.53	3.41	68.4	-11.87	Peak	72.00	200	Horizontal	Pass
2	5987.000	59.07	4.28	68.2	-9.13	Peak	54.00	100	Horizontal	Pass

U-NII-3 11n40 CH151



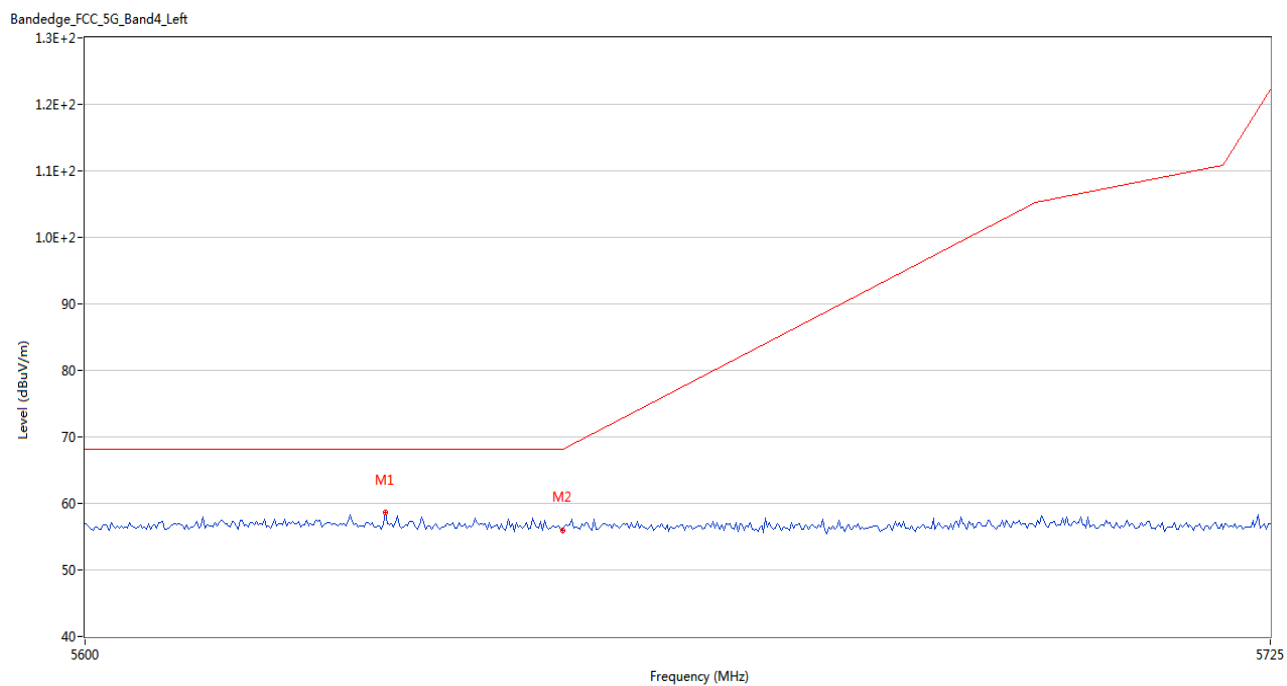
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5641.875	58.11	3.38	68.2	-10.09	Peak	94.00	100	Horizontal	Pass
2	5650.000	56.22	3.60	68.2	-11.98	Peak	309.00	150	Horizontal	Pass

U-NII-3 11n40 CH159



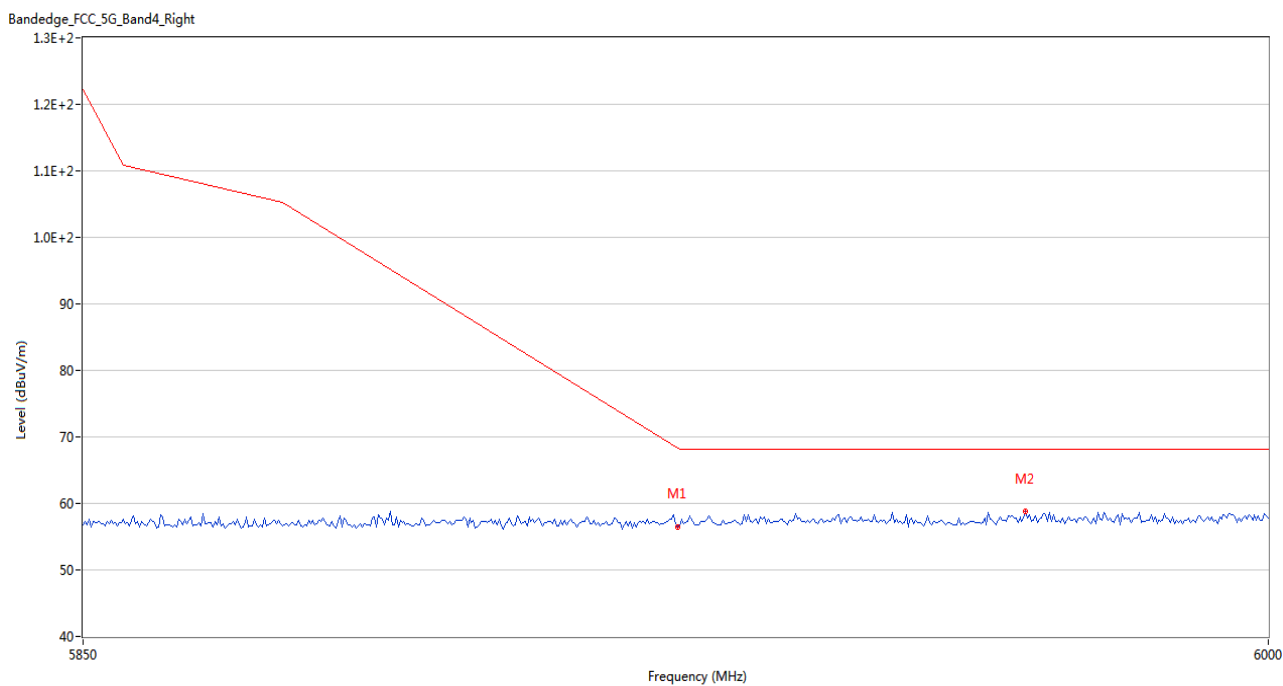
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	57.11	3.41	68.4	-11.29	Peak	357.00	150	Horizontal	Pass
2	5987.000	59.23	4.28	68.2	-8.97	Peak	104.00	200	Horizontal	Pass

U-NII-3 11ac20 CH149



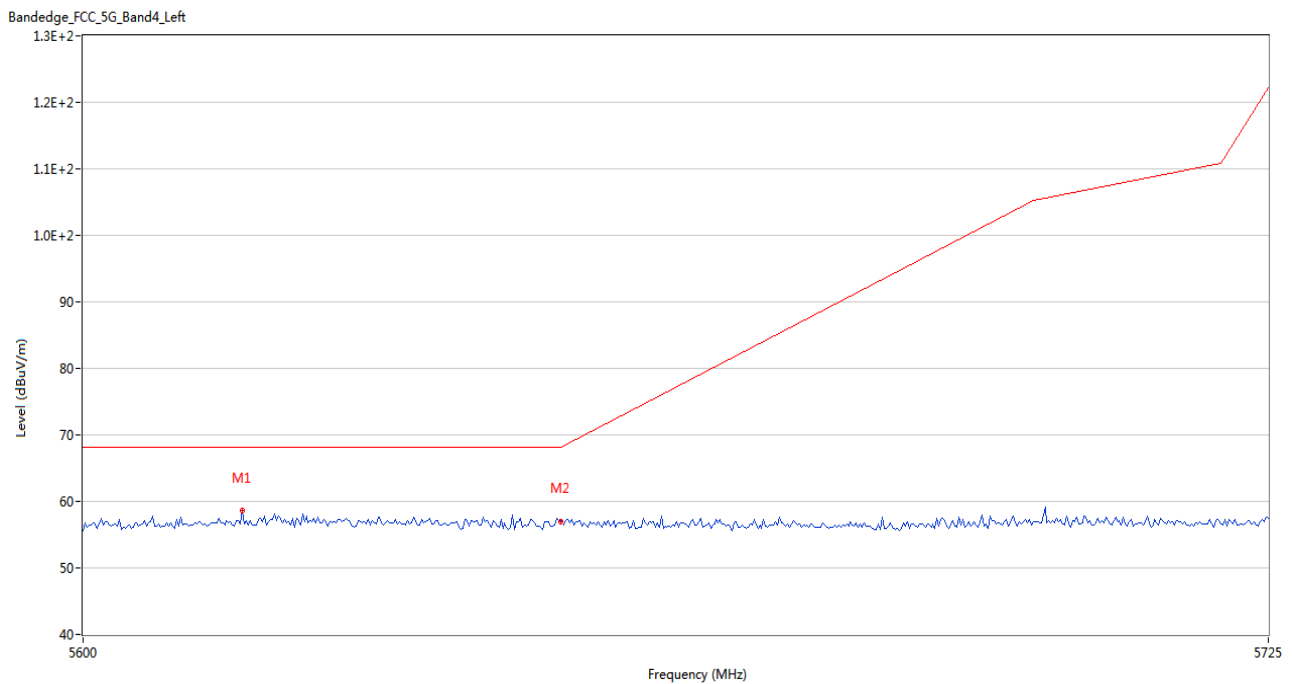
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5631.458	58.63	3.45	68.2	-9.57	Peak	255.00	100	Horizontal	Pass
2	5650.000	55.97	3.60	68.2	-12.23	Peak	325.00	100	Horizontal	Pass

U-NII-3 11ac20 CH165



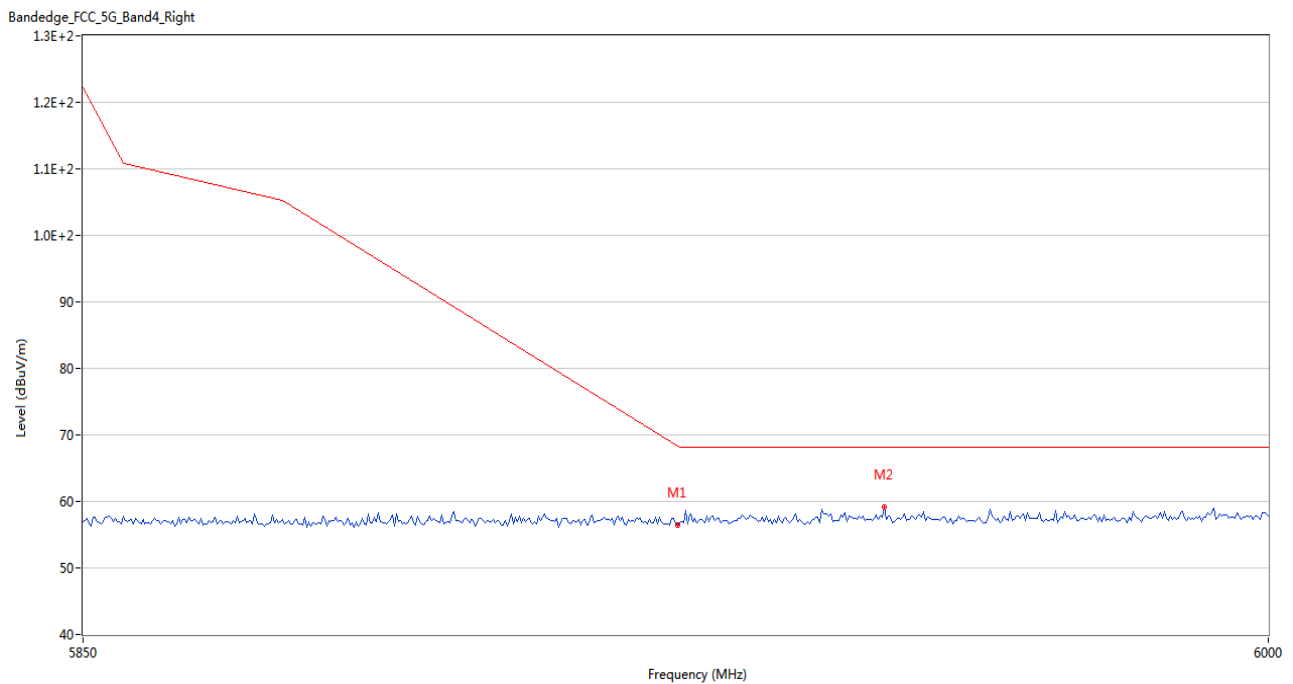
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	56.52	3.41	68.4	-11.88	Peak	130.00	100	Horizontal	Pass
2	5969.000	58.80	4.93	68.2	-9.40	Peak	3.00	200	Horizontal	Pass

U-NII-3 11ac40 CH151



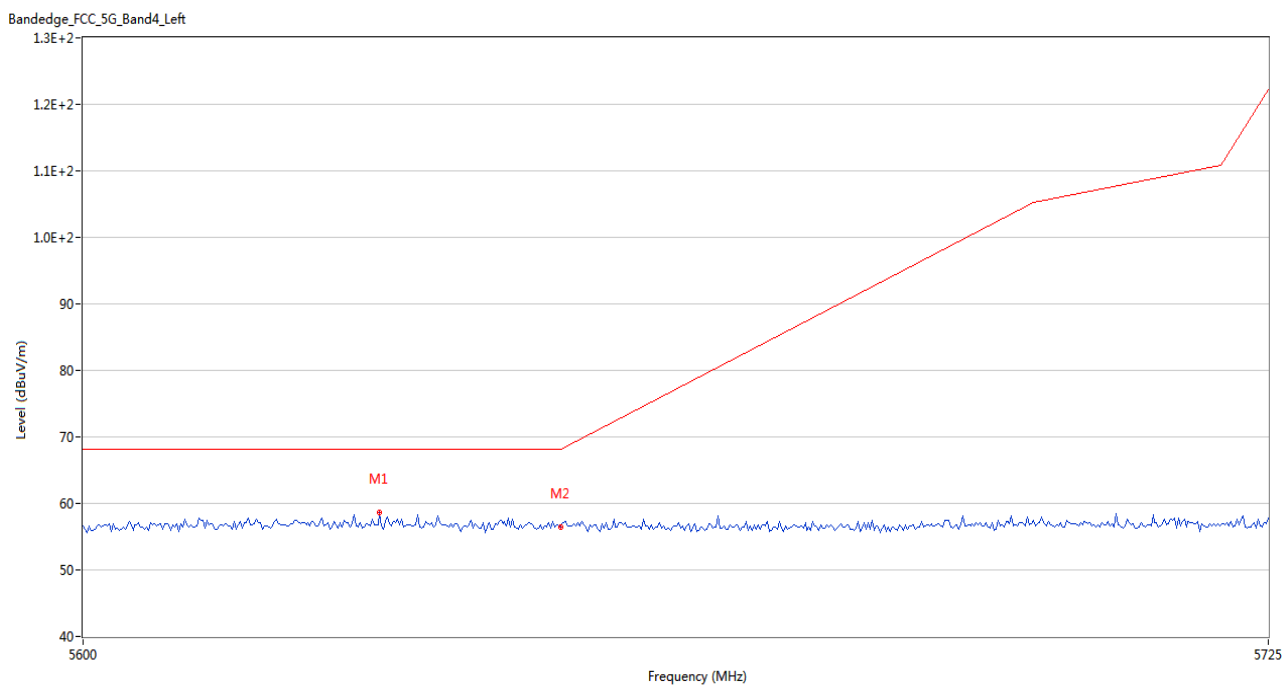
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5616.667	58.61	3.37	68.2	-9.59	Peak	124.00	150	Horizontal	Pass
2	5650.000	57.02	3.60	68.2	-11.18	Peak	313.00	150	Horizontal	Pass

U-NII-3 11ac40 CH159



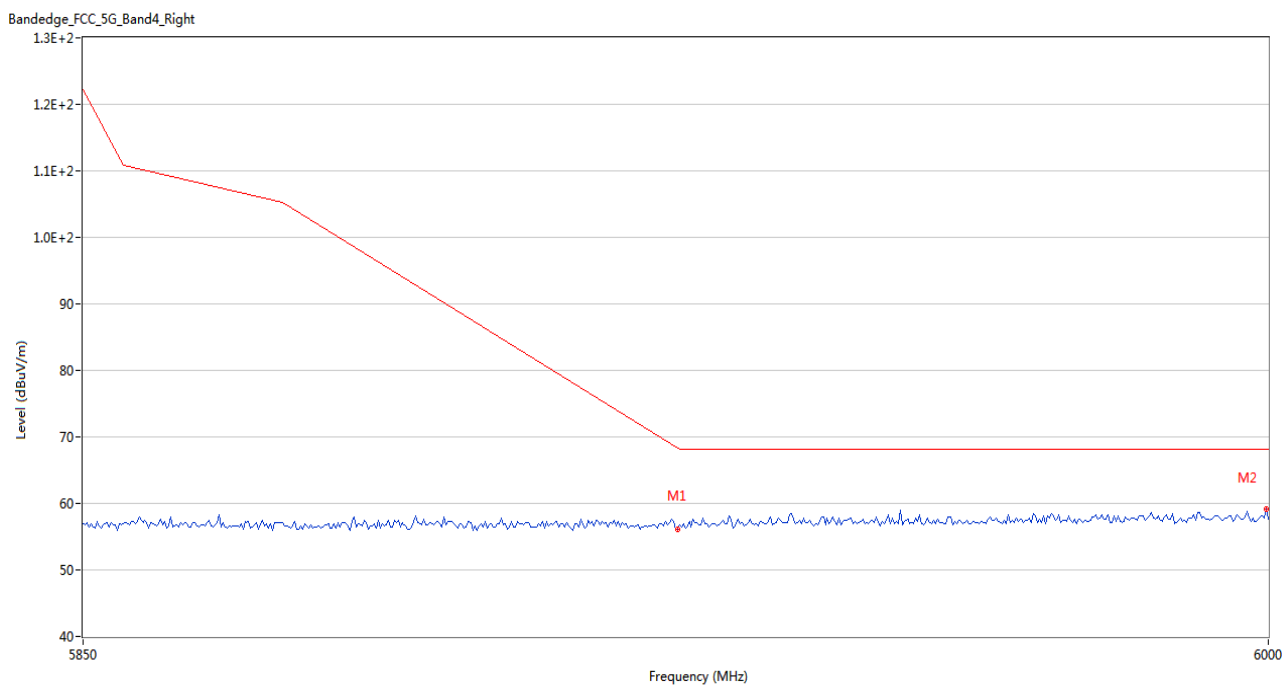
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	56.39	3.41	68.4	-12.01	Peak	144.00	200	Horizontal	Pass
2	5951.000	59.09	4.66	68.2	-9.11	Peak	114.00	200	Horizontal	Pass

U-NII-3 11ac80 CH155



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5631.042	58.69	3.45	68.2	-9.51	Peak	109.00	150	Horizontal	Pass
2	5650.000	56.51	3.60	68.2	-11.69	Peak	311.00	100	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	56.18	3.41	68.4	-12.22	Peak	166.00	150	Horizontal	Pass
2	5999.750	59.12	4.59	68.2	-9.08	Peak	253.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2280104-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2280104-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2280104-AI.PDF”.

Statement

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