

TEST REPORT

Applicant: E&S International Enterprises, Inc.
Address: 7801 Hayvenhurst Avenue, Van Nuys, California
91406 USA
Equipment Type: Laptop
Model Name: GWTC71427 (refer section 2.4)
Brand Name: Gateway
FCC ID: 2AYPE-GWTC71427
Test Standard: 47 CFR Part 15 Subpart E
(refer section 3.1)
Test Date: Feb. 28, 2022 - Mar. 28, 2022
Date of Issue: Apr. 14, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 11, 2022</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Apr. 14, 2022</u>	<u>Update the PSD value of U-NII-2A 11ac (VHT80) in section A.4</u>

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science & Technology Park, Shahe West Road, Nanshan District, Shenzhen, Guangdong Province, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.
Description	All measurement facilities used to collect the measurement data are located at Block B, 1/F, Baisha Science & Technology Park, Shahe West Road, Nanshan District, Shenzhen, Guangdong Province, China

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

2.3 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Laptop
Model Name Under Test	GWTC71427
Series Model Name	GWTC71427-BK, GWTC71427-BL, GWTC71427-RG, GWTC71427-SL
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.
Hardware Version	TU140ALR110
Software Version	21H2
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: 13.43 dBm U-NII-2A: 13.38 dBm U-NII-2C: 13.45 dBm U-NII-3: 13.48 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	2.84 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
About the Product	The equipment is Laptop, 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	DRTU
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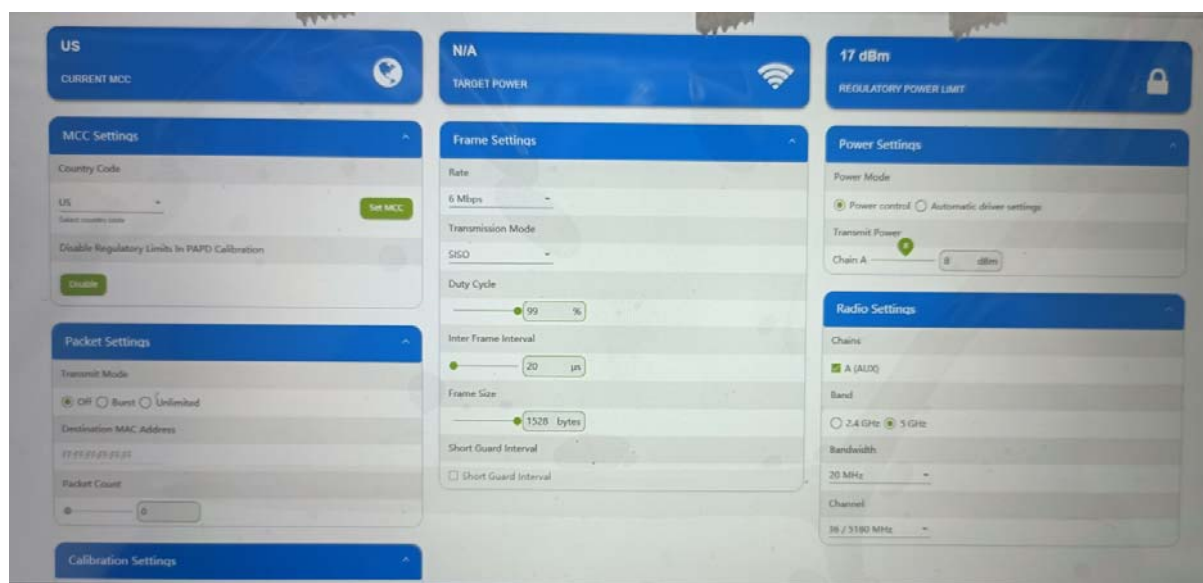
U-NII-1 (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	12.5
11a	CH44	5220	12.5
11a	CH48	5240	12.5
11n (HT20)	CH36	5180	12.0
11n (HT20)	CH44	5220	12.0
11n (HT20)	CH48	5240	12.0
11n (HT40)	CH38	5190	12.0
11n (HT40)	CH46	5230	12.0
11ac (VHT20)	CH36	5180	12.0
11ac (VHT20)	CH44	5220	12.5
11ac (VHT20)	CH48	5240	12.0
11ac (VHT40)	CH38	5190	12.0
11ac (VHT40)	CH46	5230	12.0
11ac (VHT80)	CH42	5210	12.5

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	12.5
11n (HT20)	CH60	5300	12.0
11n (HT20)	CH64	5320	12.0
11n (HT40)	CH54	5270	12.0
11n (HT40)	CH62	5310	12.0
11ac (VHT20)	CH52	5260	12.5
11ac (VHT20)	CH60	5300	12.5
11ac (VHT20)	CH64	5320	12.5
11ac (VHT40)	CH54	5270	12.0
11ac (VHT40)	CH62	5310	12.0
11ac (VHT80)	CH58	5290	12.0

U-NII-2C (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	12.5
11a	CH116	5580	12.5
11a	CH140	5700	13.0
11n (HT20)	CH100	5500	12.5
11n (HT20)	CH116	5580	12.5
11n (HT20)	CH140	5700	12.5
11n (HT40)	CH102	5510	12.0
11n (HT40)	CH118	5590	12.5
11n (HT40)	CH134	5670	12.5
11ac (VHT20)	CH100	5500	12.5
11ac (VHT20)	CH116	5580	12.5
11ac (VHT20)	CH140	5700	13.0
11ac (VHT40)	CH102	5510	12.0
11ac (VHT40)	CH118	5590	12.5
11ac (VHT40)	CH134	5670	12.5
11ac (VHT80)	CH106	5530	12.5
11ac (VHT80)	CH122	5610	12.5

U-NII-3 (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	13.0
11a	CH157	5785	12.5
11a	CH165	5825	13.0
11n (HT20)	CH149	5745	12.5
11n (HT20)	CH157	5785	12.0
11n (HT20)	CH165	5825	12.5
11n (HT40)	CH151	5755	12.5
11n (HT40)	CH159	5795	12.5
11ac (VHT20)	CH149	5745	12.5
11ac (VHT20)	CH157	5785	12.5
11ac (VHT20)	CH165	5825	12.5
11ac (VHT40)	CH151	5755	12.5
11ac (VHT40)	CH159	5795	12.5
11ac (VHT80)	CH155	5775	12.5

Run Software:



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	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
	LT (Low Temperature)	-10°C
	HT (High Temperature)	+45°C
Working Voltage of the EUT	NV (Normal Voltage)	11.4 V
	LV (Low Voltage)	9.0 V
	HV (High Voltage)	13.5 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.01.04	2023.01.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2021.06.01	2022.05.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2021.06.01	2022.05.31
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2021.08.09	2022.08.08
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	260592	2022.02.09	2023.02.08
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2021.08.24	2022.08.23
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2021.06.01	2022.05.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2021.09.13	2022.09.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.10.10	2022.10.09
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.06.08	2022.06.07
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.04.16	2024.04.15
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2021.08.20	2024.08.19
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2022.07.01
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2021.07.02	2023.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2022.02.19	2024.09.03
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2021.09.04	2024.09.09
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2021.08.15	2024.08.14
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

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%

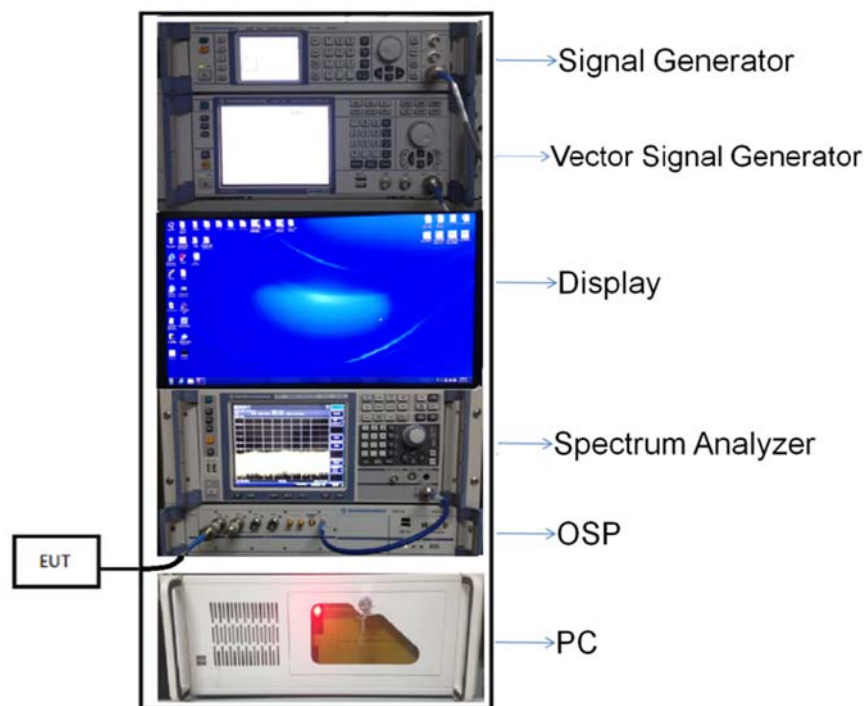
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

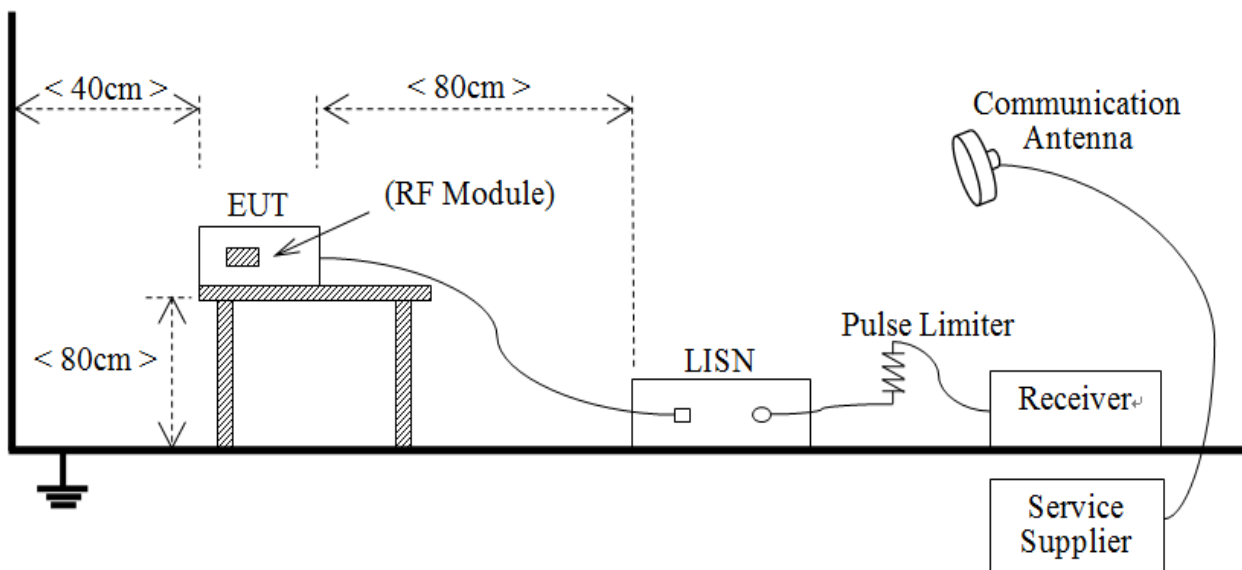
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



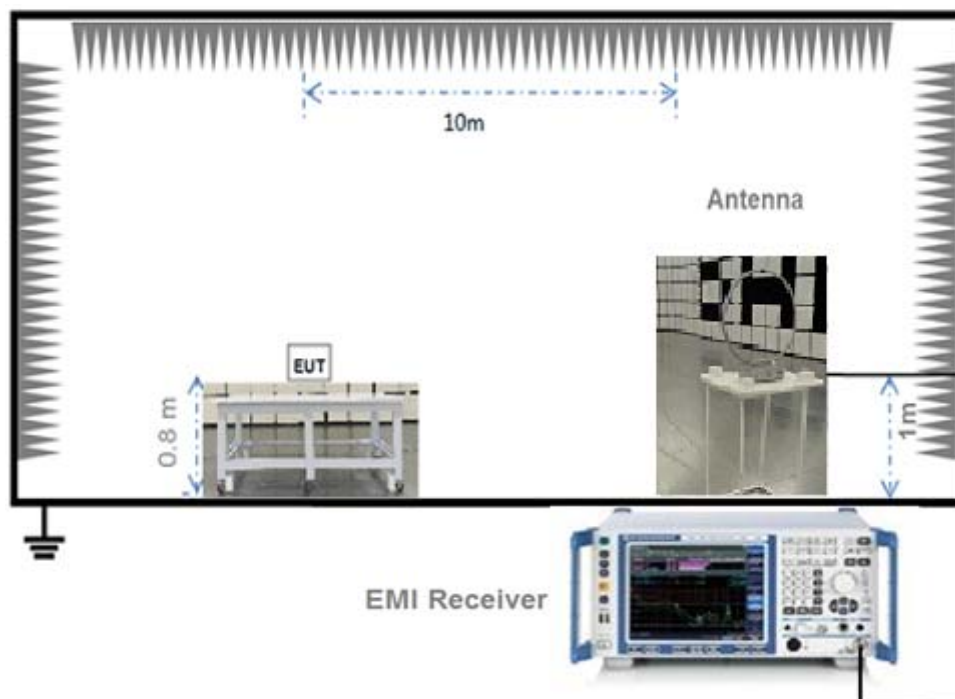
(Diagram 1)

4.5.2 For AC Power Supply Port Test



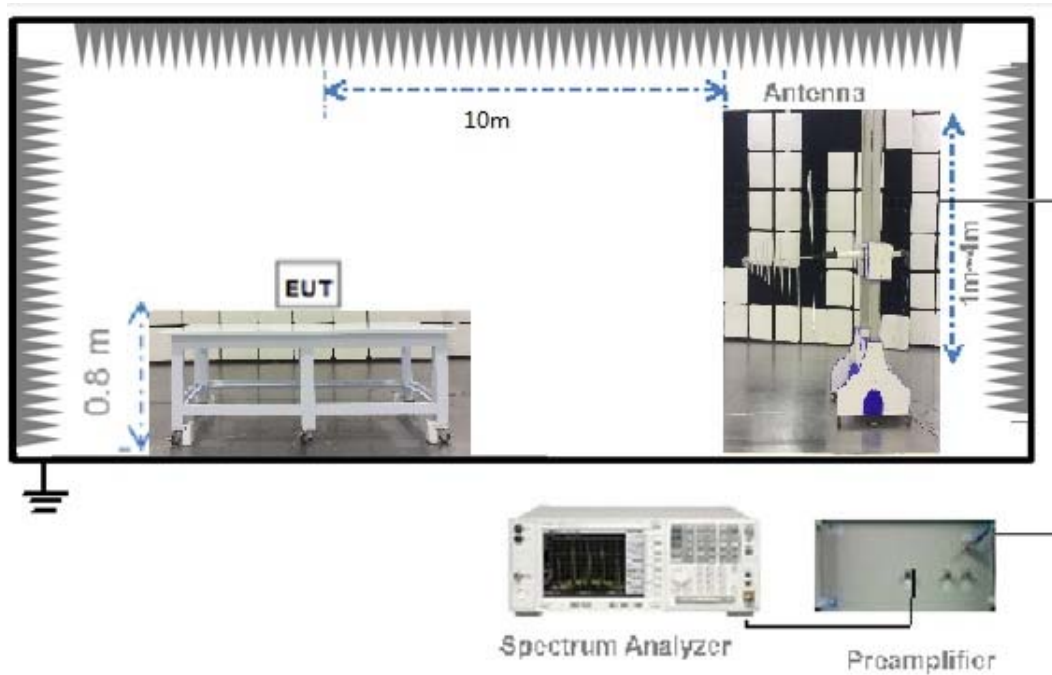
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



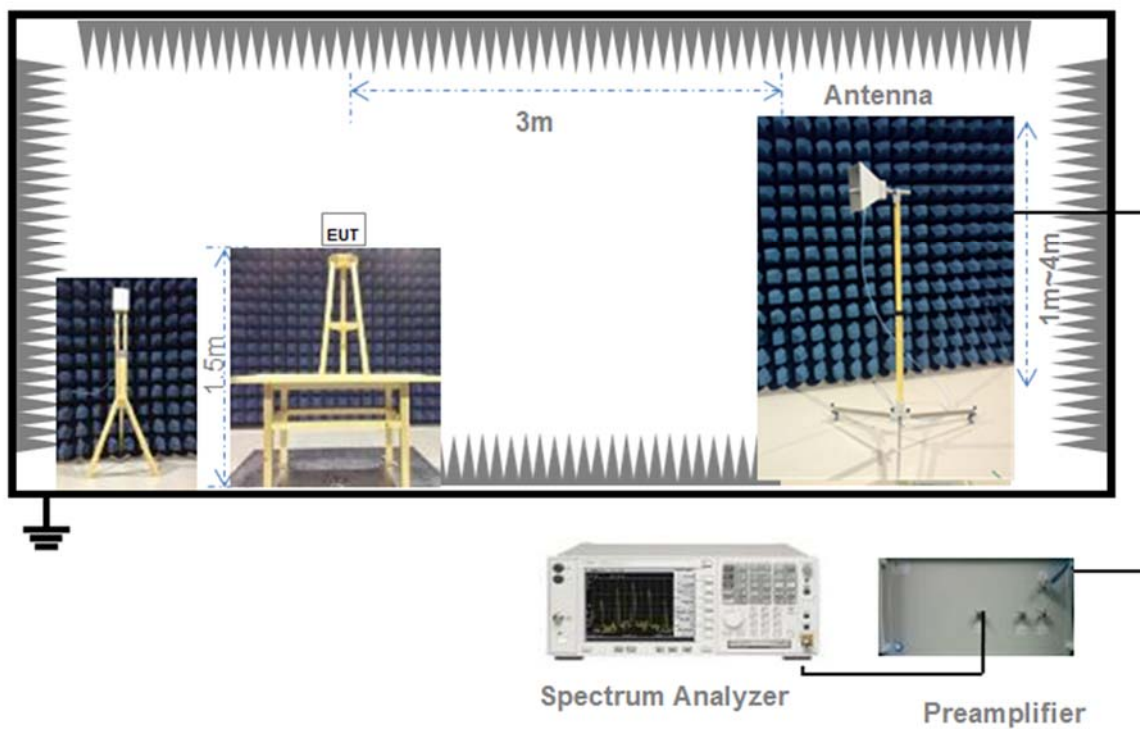
(Diagram 3)

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)

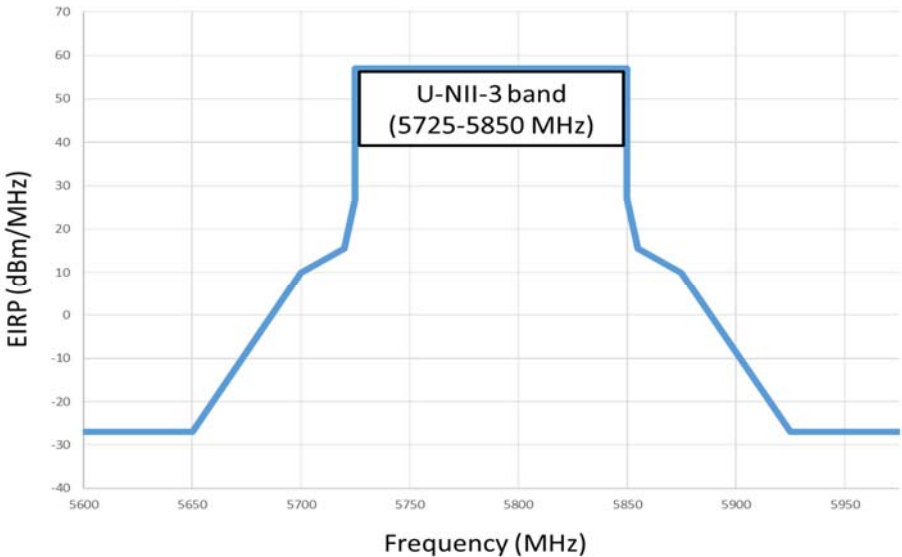
5.5.1 Limit

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	2.05	2.09	98.08%
11n (HT20)/11ac (VHT20)	1.91	1.96	97.80%
11n (HT40)/11ac (VHT40)	0.94	0.98	95.79%
11ac (VHT80)	0.46	0.50	91.70%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.43	22.03	250	Pass
11a	CH44	13.20	20.89	250	Pass
11a	CH48	13.17	20.75	250	Pass
11n (HT20)	CH36	12.78	18.97	250	Pass
11n (HT20)	CH44	12.60	18.20	250	Pass
11n (HT20)	CH48	12.88	19.41	250	Pass
11n (HT40)	CH38	12.94	19.68	250	Pass
11n (HT40)	CH46	12.79	19.01	250	Pass
11ac (VHT20)	CH36	12.73	18.75	250	Pass
11ac (VHT20)	CH44	12.96	19.77	250	Pass
11ac (VHT20)	CH48	12.95	19.72	250	Pass
11ac (VHT40)	CH38	12.95	19.72	250	Pass
11ac (VHT40)	CH46	12.73	18.75	250	Pass
11ac (VHT80)	CH42	12.88	19.41	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	13.19	20.84	250	Pass
11a	CH60	13.22	20.99	250	Pass
11a	CH64	13.38	21.78	250	Pass
11n (HT20)	CH52	12.87	19.36	250	Pass
11n (HT20)	CH60	12.55	17.99	250	Pass
11n (HT20)	CH64	12.74	18.79	250	Pass
11n (HT40)	CH54	12.69	18.58	250	Pass
11n (HT40)	CH62	12.88	19.41	250	Pass
11ac (VHT20)	CH52	12.74	18.79	250	Pass
11ac (VHT20)	CH60	12.97	19.82	250	Pass
11ac (VHT20)	CH64	12.72	18.71	250	Pass
11ac (VHT40)	CH54	12.81	19.10	250	Pass
11ac (VHT40)	CH62	12.96	19.77	250	Pass
11ac (VHT80)	CH58	12.84	19.23	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	13.45	22.13	250	Pass
11a	CH116	13.16	20.70	250	Pass
11a	CH140	13.30	21.38	250	Pass
11n (HT20)	CH100	12.82	19.14	250	Pass
11n (HT20)	CH116	12.87	19.36	250	Pass
11n (HT20)	CH140	12.64	18.37	250	Pass
11n (HT40)	CH102	12.71	18.66	250	Pass
11n (HT40)	CH118	12.93	19.63	250	Pass
11n (HT40)	CH134	12.77	18.92	250	Pass
11ac (VHT20)	CH100	12.82	19.14	250	Pass
11ac (VHT20)	CH116	12.67	18.49	250	Pass
11ac (VHT20)	CH140	12.70	18.62	250	Pass
11ac (VHT40)	CH102	12.70	18.62	250	Pass
11ac (VHT40)	CH118	12.96	19.77	250	Pass
11ac (VHT40)	CH134	12.87	19.36	250	Pass
11ac (VHT80)	CH106	12.92	19.59	250	Pass
11ac (VHT80)	CH122	12.93	19.63	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	13.12	20.51	1000	Pass
11a	CH157	13.43	22.03	1000	Pass
11a	CH165	13.48	22.28	1000	Pass
11n (HT20)	CH149	12.91	19.54	1000	Pass
11n (HT20)	CH157	12.82	19.14	1000	Pass
11n (HT20)	CH165	12.86	19.32	1000	Pass
11n (HT40)	CH151	12.85	19.28	1000	Pass
11n (HT40)	CH159	12.94	19.68	1000	Pass
11ac (VHT20)	CH149	12.81	19.10	1000	Pass
11ac (VHT20)	CH157	12.78	18.97	1000	Pass
11ac (VHT20)	CH165	12.84	19.23	1000	Pass
11ac (VHT40)	CH151	12.84	19.23	1000	Pass
11ac (VHT40)	CH159	12.81	19.10	1000	Pass
11ac (VHT80)	CH155	12.89	19.45	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2220640-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	23.64	16.66
11a	CH44	23.54	16.65
11a	CH48	23.45	16.65
11n (HT20)	CH36	23.67	17.72
11n (HT20)	CH44	23.44	17.72
11n (HT20)	CH48	23.99	17.73
11n (HT40)	CH38	44.38	36.08
11n (HT40)	CH46	43.80	36.07
11ac (VHT20)	CH36	23.38	17.73
11ac (VHT20)	CH44	23.55	17.71
11ac (VHT20)	CH48	23.52	17.73
11ac (VHT40)	CH38	44.16	36.10
11ac (VHT40)	CH46	44.44	36.06
11ac (VHT80)	CH42	83.96	75.01

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	23.75	16.68
11a	CH60	23.48	16.63
11a	CH64	23.67	16.63
11n (HT20)	CH52	23.97	17.72
11n (HT20)	CH60	23.49	17.72
11n (HT20)	CH64	23.72	17.73
11n (HT40)	CH54	44.06	36.12
11n (HT40)	CH62	42.65	36.01
11ac (VHT20)	CH52	23.61	17.74
11ac (VHT20)	CH60	23.58	17.71
11ac (VHT20)	CH64	23.58	17.71
11ac (VHT40)	CH54	44.65	36.13
11ac (VHT40)	CH62	42.40	35.99
11ac (VHT80)	CH58	88.39	75.21

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	23.47	16.64
11a	CH116	23.23	16.62
11a	CH140	23.23	16.65
11n (HT20)	CH100	23.49	17.71
11n (HT20)	CH116	23.47	17.71
11n (HT20)	CH140	23.55	17.72
11n (HT40)	CH102	44.36	36.12
11n (HT40)	CH118	43.79	36.08
11n (HT40)	CH134	43.95	36.08
11ac (VHT20)	CH100	23.76	17.71
11ac (VHT20)	CH116	23.32	17.70
11ac (VHT20)	CH140	23.40	17.71
11ac (VHT40)	CH102	44.10	36.11
11ac (VHT40)	CH118	43.71	36.07
11ac (VHT40)	CH134	43.96	36.09
11ac (VHT80)	CH106	86.65	75.24
11ac (VHT80)	CH122	87.15	75.23

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	23.50	16.66
11a	CH157	23.15	16.65
11a	CH165	23.12	16.65
11n (HT20)	CH149	23.41	17.72
11n (HT20)	CH157	23.77	17.70
11n (HT20)	CH165	23.91	17.72
11n (HT40)	CH151	43.73	36.05
11n (HT40)	CH159	43.95	36.11
11ac (VHT20)	CH149	23.36	17.71
11ac (VHT20)	CH157	23.80	17.71
11ac (VHT20)	CH165	23.63	17.70
11ac (VHT40)	CH151	43.78	36.06
11ac (VHT40)	CH159	43.84	36.11
11ac (VHT80)	CH155	84.99	75.21

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2220640-604 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	15.25	500.00	Pass
11n (HT20)	CH157	15.25	500.00	Pass
11n (HT20)	CH165	15.25	500.00	Pass
11n (HT40)	CH151	35.20	500.00	Pass
11n (HT40)	CH159	35.20	500.00	Pass
11ac (VHT20)	CH149	15.25	500.00	Pass
11ac (VHT20)	CH157	15.25	500.00	Pass
11ac (VHT20)	CH165	15.25	500.00	Pass
11ac (VHT40)	CH151	35.20	500.00	Pass
11ac (VHT40)	CH159	35.20	500.00	Pass
11ac (VHT80)	CH155	75.15	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document "Annex No.: BL-SZ2220640-604 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	2.15	11.00	Pass
11a	CH44	1.97	11.00	Pass
11a	CH48	2.16	11.00	Pass
11n (HT20)	CH36	1.37	11.00	Pass
11n (HT20)	CH44	1.10	11.00	Pass
11n (HT20)	CH48	1.17	11.00	Pass
11n (HT40)	CH38	-2.00	11.00	Pass
11n (HT40)	CH46	-2.09	11.00	Pass
11ac (VHT20)	CH36	1.23	11.00	Pass
11ac (VHT20)	CH44	1.62	11.00	Pass
11ac (VHT20)	CH48	1.08	11.00	Pass
11ac (VHT40)	CH38	-2.07	11.00	Pass
11ac (VHT40)	CH46	-2.18	11.00	Pass
11ac (VHT80)	CH42	-4.66	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	1.91	11.00	Pass
11a	CH60	1.99	11.00	Pass
11a	CH64	2.24	11.00	Pass
11n (HT20)	CH52	1.58	11.00	Pass
11n (HT20)	CH60	1.31	11.00	Pass
11n (HT20)	CH64	1.29	11.00	Pass
11n (HT40)	CH54	-2.09	11.00	Pass
11n (HT40)	CH62	-2.01	11.00	Pass
11ac (VHT20)	CH52	1.51	11.00	Pass
11ac (VHT20)	CH60	1.63	11.00	Pass
11ac (VHT20)	CH64	1.85	11.00	Pass
11ac (VHT40)	CH54	-1.89	11.00	Pass
11ac (VHT40)	CH62	-1.88	11.00	Pass
11ac (VHT80)	CH58	-5.05	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	1.95	11.00	Pass
11a	CH116	1.95	11.00	Pass
11a	CH140	2.07	11.00	Pass
11n (HT20)	CH100	1.50	11.00	Pass
11n (HT20)	CH116	1.49	11.00	Pass
11n (HT20)	CH140	1.25	11.00	Pass
11n (HT40)	CH102	-1.81	11.00	Pass
11n (HT40)	CH118	-1.60	11.00	Pass
11n (HT40)	CH134	-1.44	11.00	Pass
11ac (VHT20)	CH100	1.51	11.00	Pass
11ac (VHT20)	CH116	1.54	11.00	Pass
11ac (VHT20)	CH140	1.74	11.00	Pass
11ac (VHT40)	CH102	-1.90	11.00	Pass
11ac (VHT40)	CH118	-1.57	11.00	Pass
11ac (VHT40)	CH134	-1.54	11.00	Pass
11ac (VHT80)	CH106	-4.45	11.00	Pass
11ac (VHT80)	CH122	-4.81	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-0.62	30.00	Pass
11a	CH157	-0.66	30.00	Pass
11a	CH165	-0.68	30.00	Pass
11n (HT20)	CH149	-1.48	30.00	Pass
11n (HT20)	CH157	-1.23	30.00	Pass
11n (HT20)	CH165	-1.48	30.00	Pass
11n (HT40)	CH151	-4.58	30.00	Pass
11n (HT40)	CH159	-4.34	30.00	Pass
11ac (VHT20)	CH149	-1.35	30.00	Pass
11ac (VHT20)	CH157	-1.32	30.00	Pass
11ac (VHT20)	CH165	-1.46	30.00	Pass
11ac (VHT40)	CH151	-4.48	30.00	Pass
11ac (VHT40)	CH159	-4.36	30.00	Pass
11ac (VHT80)	CH155	-7.32	30.00	Pass

A.5 Conducted Emissions

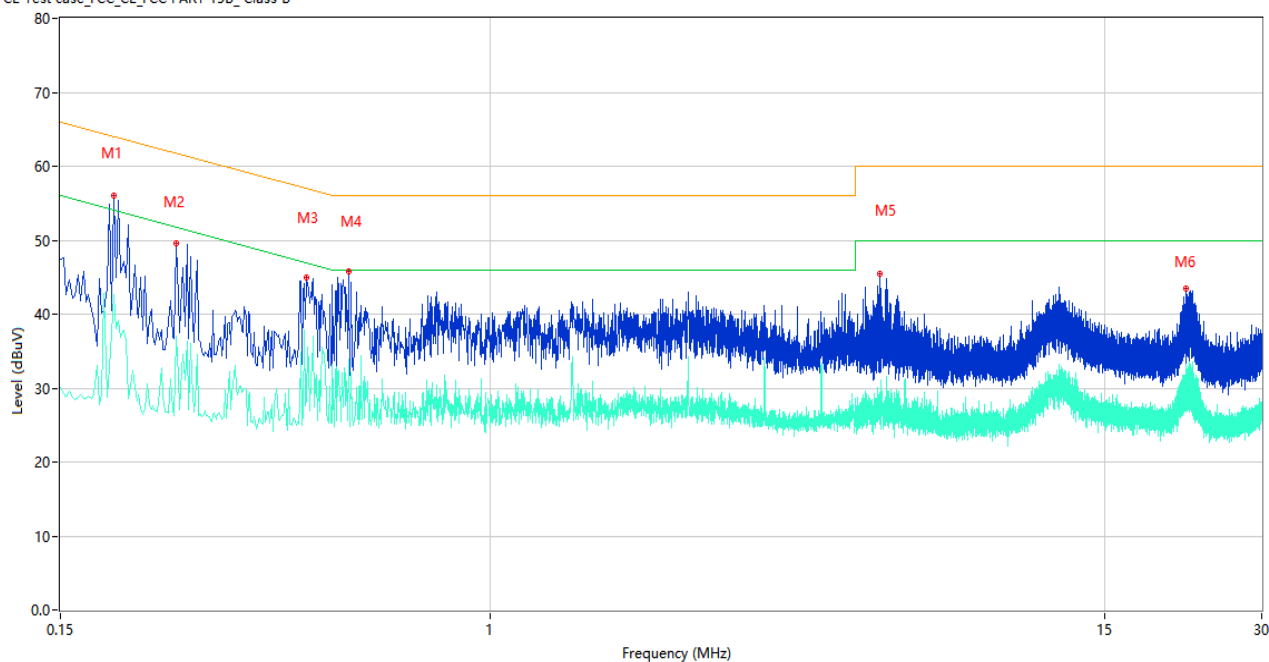
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

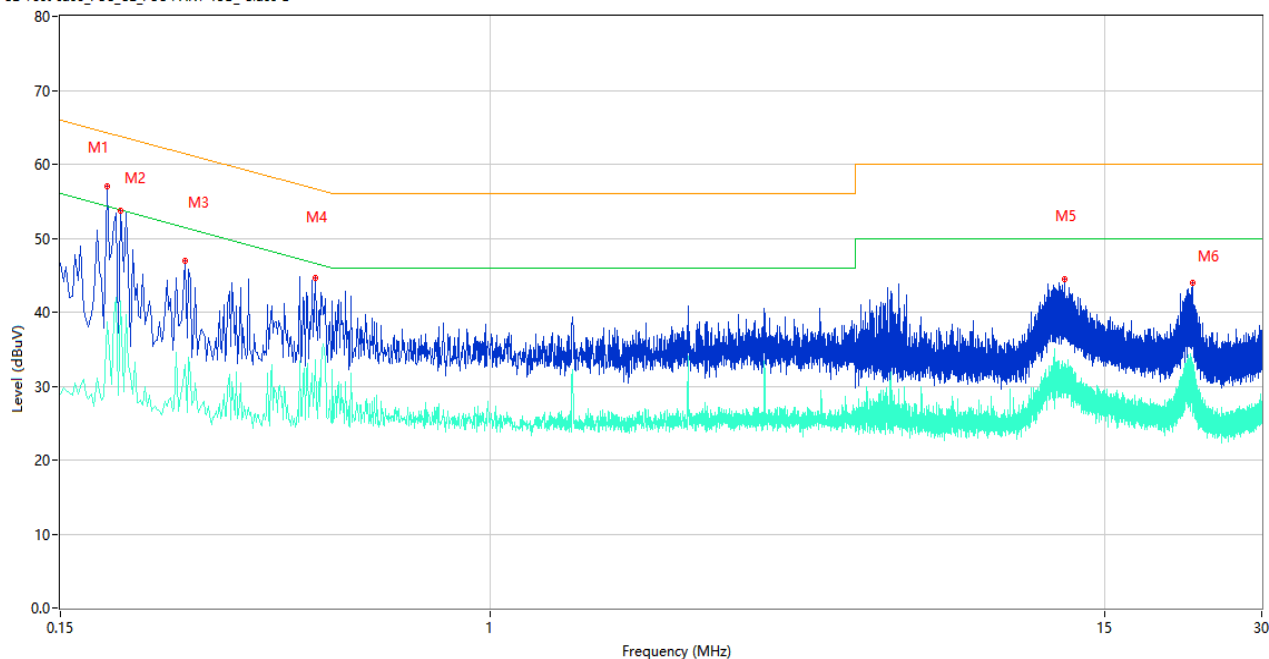
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.190	55.99	10.96	64.04	-8.05	Peak	L	Pass
1**	0.190	42.66	10.96	54.04	-11.38	AV	L	Pass
2	0.250	49.59	10.92	61.76	-12.17	Peak	L	Pass
2**	0.250	37.01	10.92	51.76	-14.75	AV	L	Pass
3	0.444	44.97	10.91	56.99	-12.02	Peak	L	Pass
3**	0.444	28.44	10.91	46.99	-18.55	AV	L	Pass
4	0.534	45.74	10.91	56.00	-10.26	Peak	L	Pass
4**	0.534	33.81	10.91	46.00	-12.19	AV	L	Pass
5	5.556	45.51	10.70	60.00	-14.49	Peak	L	Pass
5**	5.556	29.49	10.70	50.00	-20.51	AV	L	Pass
6	21.500	43.42	10.66	60.00	-16.58	Peak	L	Pass
6**	21.500	31.85	10.66	50.00	-18.15	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	0.184	57.03	10.97	64.30	-7.27	Peak	N	Pass
1**	0.184	38.64	10.97	54.30	-15.66	AV	N	Pass
2	0.196	53.67	10.96	63.78	-10.11	Peak	N	Pass
2**	0.196	41.44	10.96	53.78	-12.34	AV	N	Pass
3	0.260	46.88	10.91	61.43	-14.55	Peak	N	Pass
3**	0.260	32.88	10.91	51.43	-18.55	AV	N	Pass
4	0.462	44.67	10.91	56.66	-11.99	Peak	N	Pass
4**	0.462	33.54	10.91	46.66	-13.12	AV	N	Pass
5	12.570	44.38	10.67	60.00	-15.62	Peak	N	Pass
5**	12.570	32.00	10.67	50.00	-18.00	AV	N	Pass
6	22.138	43.93	10.68	60.00	-16.07	Peak	N	Pass
6**	22.138	29.48	10.68	50.00	-20.52	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.

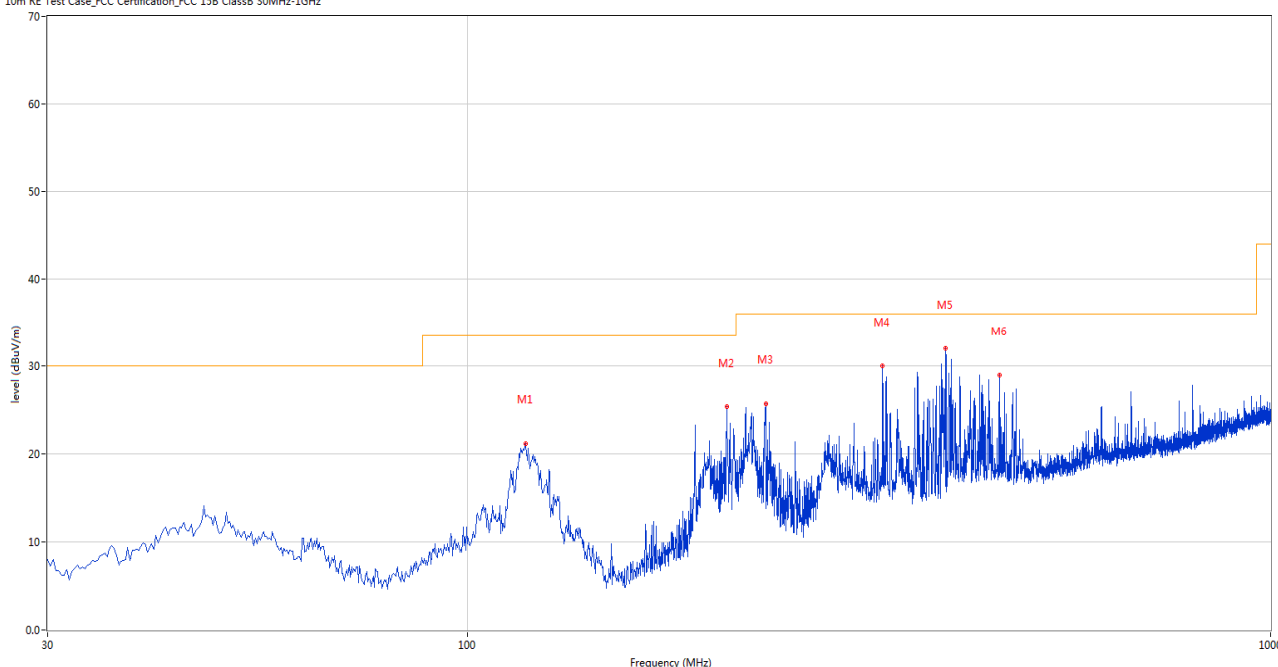
Note²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

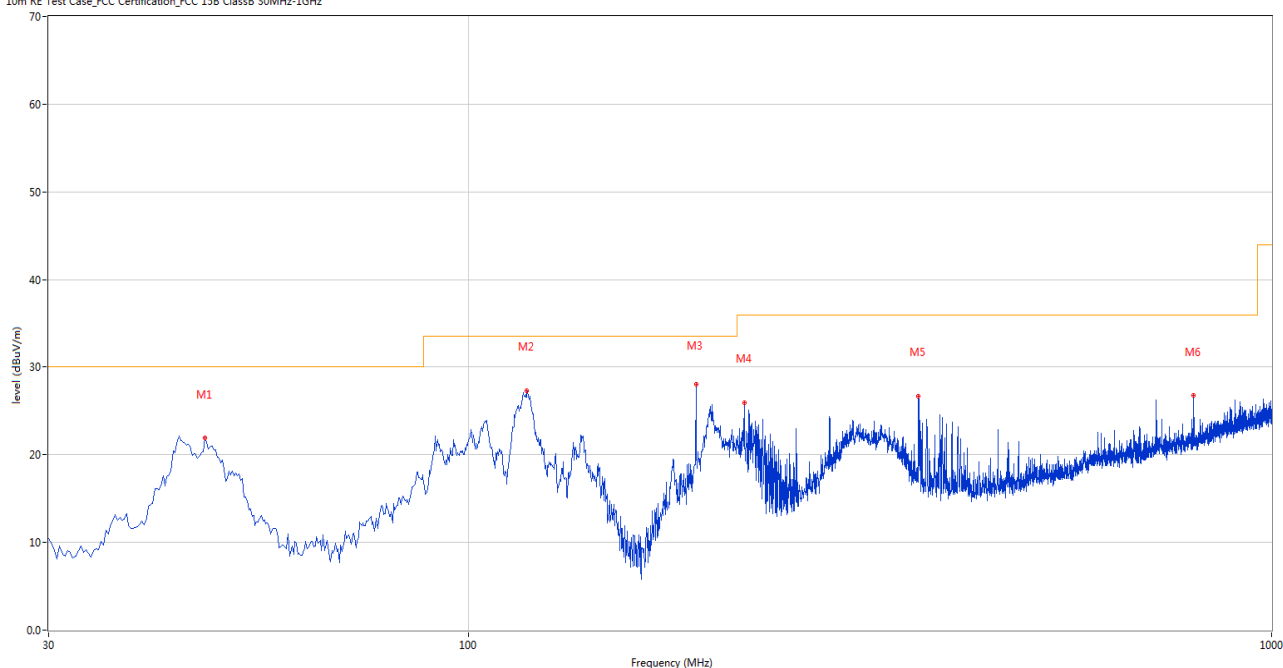
10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	118.005	21.18	-29.42	33.5	-12.32	Peak	201.00	200	Horizontal	Pass
2	210.132	25.34	-27.88	33.5	-8.16	Peak	231.00	200	Horizontal	Pass
3	235.104	25.69	-26.69	36.0	-10.31	Peak	0.00	200	Horizontal	Pass
4	328.685	30.03	-24.28	36.0	-5.97	Peak	206.00	200	Horizontal	Pass
5	394.144	32.04	-22.68	36.0	-3.96	Peak	0.00	200	Horizontal	Pass
6	459.360	29.00	-21.40	36.0	-7.00	Peak	360.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.971	21.85	-26.14	30.0	-8.15	Peak	230.00	100	Vertical	Pass
2	118.005	27.31	-29.42	33.5	-6.19	Peak	33.00	100	Vertical	Pass
3	191.950	27.99	-28.36	33.5	-5.51	Peak	330.00	100	Vertical	Pass
4	220.557	25.92	-27.55	36.0	-10.08	Peak	104.00	100	Vertical	Pass
5	363.354	26.65	-23.35	36.0	-9.35	Peak	0.00	200	Vertical	Pass
6	799.988	26.73	-14.53	36.0	-9.27	Peak	80.00	200	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	1151.600	44.30	-17.96	74.0	-29.70	Peak	298.00	150	Horizontal	Pass
1**	1151.600	34.39	-17.96	54.0	-19.61	AV	298.00	150	Horizontal	Pass
2	2797.500	43.17	-10.61	74.0	-30.83	Peak	100.00	150	Horizontal	Pass
2**	2797.500	34.15	-10.61	54.0	-19.85	AV	100.00	150	Horizontal	Pass
3	4753.400	51.95	-3.43	74.0	-22.05	Peak	342.00	150	Horizontal	Pass
3**	4753.400	41.77	-3.43	54.0	-12.23	AV	342.00	150	Horizontal	Pass
4	5178.400	108.01	-2.70	--	--	Peak	210.00	150	Horizontal	N/A
4**	5178.400	100.69	-2.70	--	--	AV	210.00	150	Horizontal	N/A
5	11930.625	54.24	1.58	74.0	-19.76	Peak	0.00	150	Horizontal	Pass
5**	11930.625	43.76	1.58	54.0	-10.24	AV	0.00	150	Horizontal	Pass
6	15858.787	55.93	0.99	74.0	-18.07	Peak	360.00	150	Horizontal	Pass
6**	15858.787	46.30	0.99	54.0	-7.70	AV	360.00	150	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	1121.200	41.88	-18.50	74.0	-32.12	Peak	224.00	150	Vertical	Pass
1**	1121.200	32.26	-18.50	54.0	-21.74	AV	224.00	150	Vertical	Pass
2	2753.800	43.72	-10.78	74.0	-30.28	Peak	273.00	150	Vertical	Pass
2**	2753.800	33.67	-10.78	54.0	-20.33	AV	273.00	150	Vertical	Pass
3	4827.200	52.27	-3.42	74.0	-21.73	Peak	342.00	150	Vertical	Pass
3**	4827.200	42.53	-3.42	54.0	-11.47	AV	342.00	150	Vertical	Pass
4	5180.800	105.89	-2.70	--	--	Peak	137.00	150	Vertical	N/A
4**	5180.800	98.02	-2.70	--	--	AV	137.00	150	Vertical	N/A
5	11935.799	53.67	1.69	74.0	-20.33	Peak	85.00	150	Vertical	Pass
5**	11935.799	43.55	1.69	54.0	-10.45	AV	85.00	150	Vertical	Pass
6	15845.662	57.32	1.36	74.0	-16.68	Peak	360.00	150	Vertical	Pass
6**	15845.662	47.78	1.36	54.0	-6.22	AV	360.00	150	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	1175.500	43.84	-18.01	74.0	-30.16	Peak	339.00	150	Horizontal	Pass
1**	1175.500	33.47	-18.01	54.0	-20.53	AV	339.00	150	Horizontal	Pass
2	2811.500	43.63	-10.16	74.0	-30.37	Peak	34.00	150	Horizontal	Pass
2**	2811.500	34.12	-10.16	54.0	-19.88	AV	34.00	150	Horizontal	Pass
3	4756.000	52.61	-3.37	74.0	-21.39	Peak	224.00	150	Horizontal	Pass
3**	4756.000	41.85	-3.37	54.0	-12.15	AV	224.00	150	Horizontal	Pass
4	5217.600	108.47	-2.93	--	--	Peak	156.00	150	Horizontal	N/A
4**	5217.600	101.01	-2.93	--	--	AV	156.00	150	Horizontal	N/A
5	11642.263	52.86	-0.22	74.0	-21.14	Peak	284.00	150	Horizontal	Pass
5**	11642.263	43.46	-0.22	54.0	-10.54	AV	284.00	150	Horizontal	Pass
6	15821.513	56.97	1.80	74.0	-17.03	Peak	242.00	150	Horizontal	Pass
6**	15821.513	46.74	1.80	54.0	-7.26	AV	242.00	150	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	1316.800	45.79	-17.40	74.0	-28.21	Peak	258.00	150	Vertical	Pass
1**	1316.800	36.53	-17.40	54.0	-17.47	AV	258.00	150	Vertical	Pass
2	2739.900	44.08	-10.84	74.0	-29.92	Peak	157.00	150	Vertical	Pass
2**	2739.900	34.09	-10.84	54.0	-19.91	AV	157.00	150	Vertical	Pass
3	4800.400	51.95	-2.56	74.0	-22.05	Peak	233.00	150	Vertical	Pass
3**	4800.400	43.53	-2.56	54.0	-10.47	AV	233.00	150	Vertical	Pass
4	5215.600	106.37	-2.85	--	--	Peak	128.00	150	Vertical	N/A
4**	5215.600	98.93	-2.85	--	--	AV	128.00	150	Vertical	N/A
5	11322.849	52.46	0.53	74.0	-21.54	Peak	106.00	150	Vertical	Pass
5**	11322.849	43.43	0.53	54.0	-10.57	AV	106.00	150	Vertical	Pass
6	15822.300	55.88	1.77	74.0	-18.12	Peak	105.00	150	Vertical	Pass
6**	15822.300	47.13	1.77	54.0	-6.87	AV	105.00	150	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	1180.500	43.60	-18.03	74.0	-30.40	Peak	312.00	150	Horizontal	Pass
1**	1180.500	34.30	-18.03	54.0	-19.70	AV	312.00	150	Horizontal	Pass
2	2787.300	43.13	-10.51	74.0	-30.87	Peak	204.00	150	Horizontal	Pass
2**	2787.300	34.56	-10.51	54.0	-19.44	AV	204.00	150	Horizontal	Pass
3	4867.200	52.04	-3.32	74.0	-21.96	Peak	145.00	150	Horizontal	Pass
3**	4867.200	42.49	-3.32	54.0	-11.51	AV	145.00	150	Horizontal	Pass
4	5243.000	107.98	-2.69	--	--	Peak	202.00	150	Horizontal	N/A
4**	5243.000	100.43	-2.69	--	--	AV	202.00	150	Horizontal	N/A
5	11941.550	52.90	1.64	74.0	-21.10	Peak	231.00	150	Horizontal	Pass
5**	11941.550	43.73	1.64	54.0	-10.27	AV	231.00	150	Horizontal	Pass
6	15849.338	56.49	1.34	74.0	-17.51	Peak	62.00	150	Horizontal	Pass
6**	15849.338	46.90	1.34	54.0	-7.10	AV	62.00	150	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	1127.500	42.48	-18.46	74.0	-31.52	Peak	261.00	150	Vertical	Pass
1**	1127.500	32.15	-18.46	54.0	-21.85	AV	261.00	150	Vertical	Pass
2	2767.100	43.66	-10.75	74.0	-30.34	Peak	20.00	150	Vertical	Pass
2**	2767.100	33.97	-10.75	54.0	-20.03	AV	20.00	150	Vertical	Pass
3	4813.400	52.16	-3.07	74.0	-21.84	Peak	290.00	150	Vertical	Pass
3**	4813.400	42.72	-3.07	54.0	-11.28	AV	290.00	150	Vertical	Pass
4	5236.000	105.90	-2.89	--	--	Peak	118.00	150	Vertical	N/A
4**	5236.000	98.00	-2.89	--	--	AV	118.00	150	Vertical	N/A
5	11635.075	52.28	-0.21	74.0	-21.72	Peak	360.00	150	Vertical	Pass
5**	11635.075	42.99	-0.21	54.0	-11.01	AV	360.00	150	Vertical	Pass
6	15857.212	55.65	1.08	74.0	-18.35	Peak	105.00	150	Vertical	Pass
6**	15857.212	46.18	1.08	54.0	-7.82	AV	105.00	150	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	1154.100	43.65	-18.05	74.0	-30.35	Peak	291.00	150	Horizontal	Pass
1**	1154.100	34.98	-18.05	54.0	-19.02	AV	291.00	150	Horizontal	Pass
2	2754.700	43.20	-10.75	74.0	-30.80	Peak	205.00	150	Horizontal	Pass
2**	2754.700	33.95	-10.75	54.0	-20.05	AV	205.00	150	Horizontal	Pass
3	4770.600	51.75	-3.02	74.0	-22.25	Peak	11.00	150	Horizontal	Pass
3**	4770.600	42.93	-3.02	54.0	-11.07	AV	11.00	150	Horizontal	Pass
4	5177.200	107.00	-2.77	--	--	Peak	160.00	150	Horizontal	N/A
4**	5177.200	99.33	-2.77	--	--	AV	160.00	150	Horizontal	N/A
5	11561.187	52.62	-0.44	74.0	-21.38	Peak	79.00	150	Horizontal	Pass
5**	11561.187	43.00	-0.44	54.0	-11.00	AV	79.00	150	Horizontal	Pass
6	15523.838	56.38	1.39	74.0	-17.62	Peak	331.00	150	Horizontal	Pass
6**	15523.838	45.97	1.39	54.0	-8.03	AV	331.00	150	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	1121.100	42.36	-18.50	74.0	-31.64	Peak	231.00	150	Vertical	Pass
1**	1121.100	33.08	-18.50	54.0	-20.92	AV	231.00	150	Vertical	Pass
2	2808.900	43.00	-10.29	74.0	-31.00	Peak	360.00	150	Vertical	Pass
2**	2808.900	34.19	-10.29	54.0	-19.81	AV	360.00	150	Vertical	Pass
3	4795.000	51.92	-2.62	74.0	-22.08	Peak	23.00	150	Vertical	Pass
3**	4795.000	42.96	-2.62	54.0	-11.04	AV	23.00	150	Vertical	Pass
4	5176.000	104.69	-2.84	--	--	Peak	128.00	150	Vertical	N/A
4**	5176.000	98.03	-2.84	--	--	AV	128.00	150	Vertical	N/A
5	11950.750	53.08	1.36	74.0	-20.92	Peak	0.00	150	Vertical	Pass
5**	11950.750	44.37	1.36	54.0	-9.63	AV	0.00	150	Vertical	Pass
6	15850.125	55.14	1.33	74.0	-18.86	Peak	211.00	150	Vertical	Pass
6**	15850.125	46.93	1.33	54.0	-7.07	AV	211.00	150	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	1159.200	44.36	-18.10	74.0	-29.64	Peak	300.00	150	Horizontal	Pass
1**	1159.200	36.28	-18.10	54.0	-17.72	AV	300.00	150	Horizontal	Pass
2	2765.200	44.01	-10.81	74.0	-29.99	Peak	300.00	150	Horizontal	Pass
2**	2765.200	34.94	-10.81	54.0	-19.06	AV	300.00	150	Horizontal	Pass
3	4785.800	51.92	-2.73	74.0	-22.08	Peak	0.00	150	Horizontal	Pass
3**	4785.800	43.31	-2.73	54.0	-10.69	AV	0.00	150	Horizontal	Pass
4	5218.000	108.04	-2.96	--	--	Peak	201.00	150	Horizontal	N/A
4**	5218.000	101.21	-2.96	--	--	AV	201.00	150	Horizontal	N/A
5	11639.099	53.01	-0.23	74.0	-20.99	Peak	255.00	150	Horizontal	Pass
5**	11639.099	43.75	-0.23	54.0	-10.25	AV	255.00	150	Horizontal	Pass
6	15839.887	55.44	1.45	74.0	-18.56	Peak	278.00	150	Horizontal	Pass
6**	15839.887	46.99	1.45	54.0	-7.01	AV	278.00	150	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	1330.100	44.15	-17.41	74.0	-29.85	Peak	55.00	150	Vertical	Pass
1**	1330.100	34.26	-17.41	54.0	-19.74	AV	55.00	150	Vertical	Pass
2	2799.800	42.63	-10.56	74.0	-31.37	Peak	29.00	150	Vertical	Pass
2**	2799.800	33.33	-10.56	54.0	-20.67	AV	29.00	150	Vertical	Pass
3	4799.800	51.73	-2.55	74.0	-22.27	Peak	360.00	150	Vertical	Pass
3**	4799.800	42.79	-2.55	54.0	-11.21	AV	360.00	150	Vertical	Pass
4	5217.000	106.03	-2.89	--	--	Peak	115.00	150	Vertical	N/A
4**	5217.000	98.74	-2.89	--	--	AV	115.00	150	Vertical	N/A
5	11940.112	53.00	1.68	74.0	-21.00	Peak	36.00	150	Vertical	Pass
5**	11940.112	44.57	1.68	54.0	-9.43	AV	36.00	150	Vertical	Pass
6	15812.850	55.68	2.11	74.0	-18.32	Peak	277.00	150	Vertical	Pass
6**	15812.850	45.94	2.11	54.0	-8.06	AV	277.00	150	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	1172.000	43.61	-18.18	74.0	-30.39	Peak	306.00	150	Horizontal	Pass
1**	1172.000	33.82	-18.18	54.0	-20.18	AV	306.00	150	Horizontal	Pass
2	2787.000	42.82	-10.50	74.0	-31.18	Peak	68.00	150	Horizontal	Pass
2**	2787.000	33.87	-10.50	54.0	-20.13	AV	68.00	150	Horizontal	Pass
3	4916.800	52.66	-2.27	74.0	-21.34	Peak	199.00	150	Horizontal	Pass
3**	4916.800	43.04	-2.27	54.0	-10.96	AV	199.00	150	Horizontal	Pass
4	5241.400	107.63	-2.70	--	--	Peak	214.00	150	Horizontal	N/A
4**	5241.400	101.08	-2.70	--	--	AV	214.00	150	Horizontal	N/A
5	11362.237	52.36	-0.24	74.0	-21.64	Peak	325.00	150	Horizontal	Pass
5**	11362.237	43.02	-0.24	54.0	-10.98	AV	325.00	150	Horizontal	Pass
6	15509.662	55.62	1.43	74.0	-18.38	Peak	177.00	150	Horizontal	Pass
6**	15509.662	45.62	1.43	54.0	-8.38	AV	177.00	150	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	1310.600	43.66	-17.29	74.0	-30.34	Peak	0.00	150	Vertical	Pass
1**	1310.600	35.83	-17.29	54.0	-18.17	AV	0.00	150	Vertical	Pass
2	2769.700	43.31	-10.59	74.0	-30.69	Peak	222.00	150	Vertical	Pass
2**	2769.700	34.68	-10.59	54.0	-19.32	AV	222.00	150	Vertical	Pass
3	4785.600	52.29	-2.74	74.0	-21.71	Peak	300.00	150	Vertical	Pass
3**	4785.600	42.30	-2.74	54.0	-11.70	AV	300.00	150	Vertical	Pass
4	5243.000	105.96	-2.69	--	--	Peak	121.00	150	Vertical	N/A
4**	5243.000	98.34	-2.69	--	--	AV	121.00	150	Vertical	N/A
5	11625.300	52.18	-0.14	74.0	-21.82	Peak	325.00	150	Vertical	Pass
5**	11625.300	43.19	-0.14	54.0	-10.81	AV	325.00	150	Vertical	Pass
6	15850.125	56.37	1.33	74.0	-17.63	Peak	18.00	150	Vertical	Pass
6**	15850.125	46.65	1.33	54.0	-7.35	AV	18.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1169.200	43.51	-18.11	74.0	-30.49	Peak	305.00	150	Horizontal	Pass
1**	1169.200	34.80	-18.11	54.0	-19.20	AV	305.00	150	Horizontal	Pass
2	2740.600	43.75	-10.87	74.0	-30.25	Peak	15.00	150	Horizontal	Pass
2**	2740.600	34.01	-10.87	54.0	-19.99	AV	15.00	150	Horizontal	Pass
3	4770.800	51.56	-3.01	74.0	-22.44	Peak	189.00	150	Horizontal	Pass
3**	4770.800	42.56	-3.01	54.0	-11.44	AV	189.00	150	Horizontal	Pass
4	5181.600	104.42	-2.71	--	--	Peak	162.00	150	Horizontal	N/A
4**	5181.600	96.61	-2.71	--	--	AV	162.00	150	Horizontal	N/A
5	11643.700	52.27	-0.21	74.0	-21.73	Peak	267.00	150	Horizontal	Pass
5**	11643.700	43.01	-0.21	54.0	-10.99	AV	267.00	150	Horizontal	Pass
6	15847.238	55.94	1.35	74.0	-18.06	Peak	227.00	150	Horizontal	Pass
6**	15847.238	46.84	1.35	54.0	-7.16	AV	227.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.800	41.83	-18.10	74.0	-32.17	Peak	1.00	150	Vertical	Pass
1**	1156.800	32.94	-18.10	54.0	-21.06	AV	1.00	150	Vertical	Pass
2	2777.500	42.59	-10.42	74.0	-31.41	Peak	225.00	150	Vertical	Pass
2**	2777.500	33.99	-10.42	54.0	-20.01	AV	225.00	150	Vertical	Pass
3	4811.400	51.79	-3.02	74.0	-22.21	Peak	360.00	150	Vertical	Pass
3**	4811.400	43.03	-3.02	54.0	-10.97	AV	360.00	150	Vertical	Pass
4	5182.600	102.97	-2.72	--	--	Peak	130.00	150	Vertical	N/A
4**	5182.600	94.64	-2.72	--	--	AV	130.00	150	Vertical	N/A
5	11666.700	52.66	0.19	74.0	-21.34	Peak	360.00	150	Vertical	Pass
5**	11666.700	43.08	0.19	54.0	-10.92	AV	360.00	150	Vertical	Pass
6	15639.338	55.45	1.38	74.0	-18.55	Peak	19.00	150	Vertical	Pass
6**	15639.338	46.96	1.38	54.0	-7.04	AV	19.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1154.900	43.50	-18.06	74.0	-30.50	Peak	299.00	150	Horizontal	Pass
1**	1154.900	34.34	-18.06	54.0	-19.66	AV	299.00	150	Horizontal	Pass
2	2824.400	43.79	-10.33	74.0	-30.21	Peak	51.00	150	Horizontal	Pass
2**	2824.400	33.43	-10.33	54.0	-20.57	AV	51.00	150	Horizontal	Pass
3	4775.000	52.08	-2.96	74.0	-21.92	Peak	268.00	150	Horizontal	Pass
3**	4775.000	41.98	-2.96	54.0	-12.02	AV	268.00	150	Horizontal	Pass
4	5225.800	105.09	-3.05	--	--	Peak	213.00	150	Horizontal	N/A
4**	5225.800	96.17	-3.05	--	--	AV	213.00	150	Horizontal	N/A
5	11926.600	52.80	1.53	74.0	-21.20	Peak	49.00	150	Horizontal	Pass
5**	11926.600	44.45	1.53	54.0	-9.55	AV	49.00	150	Horizontal	Pass
6	15647.213	55.82	1.21	74.0	-18.18	Peak	106.00	150	Horizontal	Pass
6**	15647.213	46.15	1.21	54.0	-7.85	AV	106.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1319.000	44.30	-17.44	74.0	-29.70	Peak	261.00	150	Vertical	Pass
1**	1319.000	35.10	-17.44	54.0	-18.90	AV	261.00	150	Vertical	Pass
2	2792.100	42.85	-10.71	74.0	-31.15	Peak	16.00	150	Vertical	Pass
2**	2792.100	33.56	-10.71	54.0	-20.44	AV	16.00	150	Vertical	Pass
3	4193.000	50.61	-4.82	74.0	-23.39	Peak	357.00	150	Vertical	Pass
3**	4193.000	40.36	-4.82	54.0	-13.64	AV	357.00	150	Vertical	Pass
4	5226.600	102.46	-3.00	--	--	Peak	131.00	150	Vertical	N/A
4**	5226.600	94.92	-3.00	--	--	AV	131.00	150	Vertical	N/A
5	11723.912	53.17	0.84	74.0	-20.83	Peak	0.00	150	Vertical	Pass
5**	11723.912	43.21	0.84	54.0	-10.79	AV	0.00	150	Vertical	Pass
6	15847.763	56.58	1.35	74.0	-17.42	Peak	216.00	150	Vertical	Pass
6**	15847.763	46.80	1.35	54.0	-7.20	AV	216.00	150	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	1157.000	44.83	-18.10	74.0	-29.17	Peak	289.00	150	Horizontal	Pass
1**	1157.000	35.40	-18.10	54.0	-18.60	AV	289.00	150	Horizontal	Pass
2	2766.600	43.22	-10.77	74.0	-30.78	Peak	300.00	150	Horizontal	Pass
2**	2766.600	34.27	-10.77	54.0	-19.73	AV	300.00	150	Horizontal	Pass
3	4787.800	51.61	-2.76	74.0	-22.39	Peak	190.00	150	Horizontal	Pass
3**	4787.800	42.25	-2.76	54.0	-11.75	AV	190.00	150	Horizontal	Pass
4	5178.000	106.85	-2.72	--	--	Peak	163.00	150	Horizontal	N/A
4**	5178.000	99.56	-2.72	--	--	AV	163.00	150	Horizontal	N/A
5	11557.737	52.16	-0.43	74.0	-21.84	Peak	31.00	150	Horizontal	Pass
5**	11557.737	43.39	-0.43	54.0	-10.61	AV	31.00	150	Horizontal	Pass
6	15863.513	57.26	0.85	74.0	-16.74	Peak	360.00	150	Horizontal	Pass
6**	15863.513	46.47	0.85	54.0	-7.53	AV	360.00	150	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	1317.900	44.73	-17.35	74.0	-29.27	Peak	255.00	150	Vertical	Pass
1**	1317.900	34.69	-17.35	54.0	-19.31	AV	255.00	150	Vertical	Pass
2	2730.600	44.06	-10.93	74.0	-29.94	Peak	118.00	150	Vertical	Pass
2**	2730.600	35.63	-10.93	54.0	-18.37	AV	118.00	150	Vertical	Pass
3	4638.600	51.15	-3.57	74.0	-22.85	Peak	322.00	150	Vertical	Pass
3**	4638.600	41.12	-3.57	54.0	-12.88	AV	322.00	150	Vertical	Pass
4	5178.200	105.03	-2.71	--	--	Peak	135.00	150	Vertical	N/A
4**	5178.200	97.20	-2.71	--	--	AV	135.00	150	Vertical	N/A
5	11678.488	52.07	0.19	74.0	-21.93	Peak	360.00	150	Vertical	Pass
5**	11678.488	43.37	0.19	54.0	-10.63	AV	360.00	150	Vertical	Pass
6	15840.151	56.69	1.44	74.0	-17.31	Peak	309.00	150	Vertical	Pass
6**	15840.151	47.26	1.44	54.0	-6.74	AV	309.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1155.500	43.27	-18.07	74.0	-30.73	Peak	297.00	150	Horizontal	Pass
1**	1155.500	35.30	-18.07	54.0	-18.70	AV	297.00	150	Horizontal	Pass
2	2803.700	43.88	-10.41	74.0	-30.12	Peak	141.00	150	Horizontal	Pass
2**	2803.700	34.28	-10.41	54.0	-19.72	AV	141.00	150	Horizontal	Pass
3	4809.000	51.61	-2.94	74.0	-22.39	Peak	186.00	150	Horizontal	Pass
3**	4809.000	42.10	-2.94	54.0	-11.90	AV	186.00	150	Horizontal	Pass
4	5216.200	108.06	-2.87	--	--	Peak	214.00	150	Horizontal	N/A
4**	5216.200	100.54	-2.87	--	--	AV	214.00	150	Horizontal	N/A
5	11558.025	52.38	-0.44	74.0	-21.62	Peak	72.00	150	Horizontal	Pass
5**	11558.025	43.09	-0.44	54.0	-10.91	AV	72.00	150	Horizontal	Pass
6	15869.550	55.94	0.63	74.0	-18.06	Peak	333.00	150	Horizontal	Pass
6**	15869.550	46.60	0.63	54.0	-7.40	AV	333.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1316.300	44.19	-17.43	74.0	-29.81	Peak	266.00	150	Vertical	Pass
1**	1316.300	34.89	-17.43	54.0	-19.11	AV	266.00	150	Vertical	Pass
2	2741.200	43.99	-10.89	74.0	-30.01	Peak	70.00	150	Vertical	Pass
2**	2741.200	35.50	-10.89	54.0	-18.50	AV	70.00	150	Vertical	Pass
3	4806.600	52.14	-2.98	74.0	-21.86	Peak	172.00	150	Vertical	Pass
3**	4806.600	43.03	-2.98	54.0	-10.97	AV	172.00	150	Vertical	Pass
4	5216.200	106.31	-2.87	--	--	Peak	118.00	150	Vertical	N/A
4**	5216.200	98.73	-2.87	--	--	AV	118.00	150	Vertical	N/A
5	11202.962	51.68	-0.27	74.0	-22.32	Peak	48.00	150	Vertical	Pass
5**	11202.962	42.51	-0.27	54.0	-11.49	AV	48.00	150	Vertical	Pass
6	15851.700	55.68	1.28	74.0	-18.32	Peak	152.00	150	Vertical	Pass
6**	15851.700	47.76	1.28	54.0	-6.24	AV	152.00	150	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	1162.400	44.76	-18.02	74.0	-29.24	Peak	329.00	150	Horizontal	Pass
1**	1162.400	35.14	-18.02	54.0	-18.86	AV	329.00	150	Horizontal	Pass
2	2809.000	43.72	-10.28	74.0	-30.28	Peak	306.00	150	Horizontal	Pass
2**	2809.000	34.17	-10.28	54.0	-19.83	AV	306.00	150	Horizontal	Pass
3	4789.000	51.47	-2.76	74.0	-22.53	Peak	37.00	150	Horizontal	Pass
3**	4789.000	42.68	-2.76	54.0	-11.32	AV	37.00	150	Horizontal	Pass
4	5244.200	107.50	-2.64	--	--	Peak	157.00	150	Horizontal	N/A
4**	5244.200	100.32	-2.64	--	--	AV	157.00	150	Horizontal	N/A
5	11393.863	52.42	-0.19	74.0	-21.58	Peak	360.00	150	Horizontal	Pass
5**	11393.863	42.96	-0.19	54.0	-11.04	AV	360.00	150	Horizontal	Pass
6	15617.287	55.82	1.55	74.0	-18.18	Peak	360.00	150	Horizontal	Pass
6**	15617.287	46.35	1.55	54.0	-7.65	AV	360.00	150	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	1318.200	44.07	-17.38	74.0	-29.93	Peak	43.00	150	Vertical	Pass
1**	1318.200	35.90	-17.38	54.0	-18.10	AV	43.00	150	Vertical	Pass
2	2840.500	43.37	-10.24	74.0	-30.63	Peak	261.00	150	Vertical	Pass
2**	2840.500	33.80	-10.24	54.0	-20.20	AV	261.00	150	Vertical	Pass
3	4795.800	51.76	-2.67	74.0	-22.24	Peak	244.00	150	Vertical	Pass
3**	4795.800	43.47	-2.67	54.0	-10.53	AV	244.00	150	Vertical	Pass
4	5242.400	105.57	-2.70	--	--	Peak	120.00	150	Vertical	N/A
4**	5242.400	97.90	-2.70	--	--	AV	120.00	150	Vertical	N/A
5	11715.287	51.82	0.76	74.0	-22.18	Peak	13.00	150	Vertical	Pass
5**	11715.287	43.33	0.76	54.0	-10.67	AV	13.00	150	Vertical	Pass
6	15837.000	56.00	1.45	74.0	-18.00	Peak	172.00	150	Vertical	Pass
6**	15837.000	46.93	1.45	54.0	-7.07	AV	172.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.300	44.18	-18.11	74.0	-29.82	Peak	327.00	150	Horizontal	Pass
1**	1157.300	33.94	-18.11	54.0	-20.06	AV	327.00	150	Horizontal	Pass
2	2843.500	43.72	-10.28	74.0	-30.28	Peak	74.00	150	Horizontal	Pass
2**	2843.500	34.22	-10.28	54.0	-19.78	AV	74.00	150	Horizontal	Pass
3	4814.800	52.36	-3.08	74.0	-21.64	Peak	251.00	150	Horizontal	Pass
3**	4814.800	43.20	-3.08	54.0	-10.80	AV	251.00	150	Horizontal	Pass
4	5200.800	104.83	-2.60	--	--	Peak	211.00	150	Horizontal	N/A
4**	5200.800	97.07	-2.60	--	--	AV	211.00	150	Horizontal	N/A
5	12000.487	53.34	1.28	74.0	-20.66	Peak	0.00	150	Horizontal	Pass
5**	12000.487	43.52	1.28	54.0	-10.48	AV	0.00	150	Horizontal	Pass
6	15832.013	55.93	1.48	74.0	-18.07	Peak	114.00	150	Horizontal	Pass
6**	15832.013	46.75	1.48	54.0	-7.25	AV	114.00	150	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	1310.000	44.76	-17.30	74.0	-29.24	Peak	270.00	150	Vertical	Pass
1**	1310.000	35.38	-17.30	54.0	-18.62	AV	270.00	150	Vertical	Pass
2	2799.800	43.41	-10.56	74.0	-30.59	Peak	82.00	150	Vertical	Pass
2**	2799.800	33.68	-10.56	54.0	-20.32	AV	82.00	150	Vertical	Pass
3	4803.000	51.55	-2.66	74.0	-22.45	Peak	181.00	150	Vertical	Pass
3**	4803.000	42.48	-2.66	54.0	-11.52	AV	181.00	150	Vertical	Pass
4	5191.600	102.44	-2.64	--	--	Peak	129.00	150	Vertical	N/A
4**	5191.600	94.27	-2.64	--	--	AV	129.00	150	Vertical	N/A
5	11676.763	52.91	0.23	74.0	-21.09	Peak	162.00	150	Vertical	Pass
5**	11676.763	43.02	0.23	54.0	-10.98	AV	162.00	150	Vertical	Pass
6	15844.612	56.24	1.37	74.0	-17.76	Peak	129.00	150	Vertical	Pass
6**	15844.612	46.81	1.37	54.0	-7.19	AV	129.00	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	1156.700	43.64	-18.10	74.0	-30.36	Peak	289.00	150	Horizontal	Pass
1**	1156.700	35.39	-18.10	54.0	-18.61	AV	289.00	150	Horizontal	Pass
2	2839.900	44.29	-10.24	74.0	-29.71	Peak	96.00	150	Horizontal	Pass
2**	2839.900	34.52	-10.24	54.0	-19.48	AV	96.00	150	Horizontal	Pass
3	4810.600	52.56	-3.00	74.0	-21.44	Peak	11.00	150	Horizontal	Pass
3**	4810.600	42.75	-3.00	54.0	-11.25	AV	11.00	150	Horizontal	Pass
4	5241.400	105.06	-2.70	--	--	Peak	215.00	150	Horizontal	N/A
4**	5241.400	96.77	-2.70	--	--	AV	215.00	150	Horizontal	N/A
5	11701.200	52.39	0.36	74.0	-21.61	Peak	260.00	150	Horizontal	Pass
5**	11701.200	42.62	0.36	54.0	-11.38	AV	260.00	150	Horizontal	Pass
6	15835.688	55.66	1.45	74.0	-18.34	Peak	60.00	150	Horizontal	Pass
6**	15835.688	47.08	1.45	54.0	-6.92	AV	60.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1325.100	44.17	-17.49	74.0	-29.83	Peak	252.00	150	Vertical	Pass
1**	1325.100	34.36	-17.49	54.0	-19.64	AV	252.00	150	Vertical	Pass
2	2808.800	43.12	-10.29	74.0	-30.88	Peak	178.00	150	Vertical	Pass
2**	2808.800	34.03	-10.29	54.0	-19.97	AV	178.00	150	Vertical	Pass
3	4800.800	51.33	-2.57	74.0	-22.67	Peak	360.00	150	Vertical	Pass
3**	4800.800	42.44	-2.57	54.0	-11.56	AV	360.00	150	Vertical	Pass
4	5220.000	102.22	-3.04	--	--	Peak	117.00	150	Vertical	N/A
4**	5220.000	94.40	-3.04	--	--	AV	117.00	150	Vertical	N/A
5	11655.487	52.41	-0.01	74.0	-21.59	Peak	109.00	150	Vertical	Pass
5**	11655.487	44.74	-0.01	54.0	-9.26	AV	109.00	150	Vertical	Pass
6	15839.100	56.32	1.45	74.0	-17.68	Peak	124.00	150	Vertical	Pass
6**	15839.100	48.23	1.45	54.0	-5.77	AV	124.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.300	44.21	-18.08	74.0	-29.79	Peak	297.00	150	Horizontal	Pass
1**	1156.300	34.39	-18.08	54.0	-19.61	AV	297.00	150	Horizontal	Pass
2	2781.800	43.33	-10.39	74.0	-30.67	Peak	165.00	150	Horizontal	Pass
2**	2781.800	34.17	-10.39	54.0	-19.83	AV	165.00	150	Horizontal	Pass
3	4731.800	51.45	-3.78	74.0	-22.55	Peak	37.00	150	Horizontal	Pass
3**	4731.800	41.92	-3.78	54.0	-12.08	AV	37.00	150	Horizontal	Pass
4	5206.400	101.27	-2.41	--	--	Peak	158.00	150	Horizontal	N/A
4**	5206.400	94.71	-2.41	--	--	AV	158.00	150	Horizontal	N/A
5	11322.849	52.09	0.53	74.0	-21.91	Peak	0.00	150	Horizontal	Pass
5**	11322.849	42.44	0.53	54.0	-11.56	AV	0.00	150	Horizontal	Pass
6	15621.488	56.18	1.66	74.0	-17.82	Peak	360.00	150	Horizontal	Pass
6**	15621.488	46.72	1.66	54.0	-7.28	AV	360.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1315.500	43.93	-17.46	74.0	-30.07	Peak	274.00	150	Vertical	Pass
1**	1315.500	35.57	-17.46	54.0	-18.43	AV	274.00	150	Vertical	Pass
2	2791.900	43.39	-10.69	74.0	-30.61	Peak	224.00	150	Vertical	Pass
2**	2791.900	33.88	-10.69	54.0	-20.12	AV	224.00	150	Vertical	Pass
3	4775.200	51.50	-2.97	74.0	-22.50	Peak	221.00	150	Vertical	Pass
3**	4775.200	42.64	-2.97	54.0	-11.36	AV	221.00	150	Vertical	Pass
4	5204.400	99.48	-2.52	--	--	Peak	117.00	150	Vertical	N/A
4**	5204.400	91.61	-2.52	--	--	AV	117.00	150	Vertical	N/A
5	11532.151	52.09	-0.56	74.0	-21.91	Peak	284.00	150	Vertical	Pass
5**	11532.151	42.54	-0.56	54.0	-11.46	AV	284.00	150	Vertical	Pass
6	15619.387	55.66	1.61	74.0	-18.34	Peak	304.00	150	Vertical	Pass
6**	15619.387	46.52	1.61	54.0	-7.48	AV	304.00	150	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	1151.000	43.29	-17.97	74.0	-30.71	Peak	299.00	150	Horizontal	Pass
1**	1151.000	34.29	-17.97	54.0	-19.71	AV	299.00	150	Horizontal	Pass
2	2788.900	42.81	-10.57	74.0	-31.19	Peak	55.00	150	Horizontal	Pass
2**	2788.900	33.73	-10.57	54.0	-20.27	AV	55.00	150	Horizontal	Pass
3	4815.200	52.17	-3.08	74.0	-21.83	Peak	105.00	150	Horizontal	Pass
3**	4815.200	43.47	-3.08	54.0	-10.53	AV	105.00	150	Horizontal	Pass
4	5256.800	107.27	-2.84	--	--	Peak	211.00	150	Horizontal	N/A
4**	5256.800	100.40	-2.84	--	--	AV	211.00	150	Horizontal	N/A
5	11483.850	52.02	0.05	74.0	-21.98	Peak	342.00	150	Horizontal	Pass
5**	11483.850	42.56	0.05	54.0	-11.44	AV	342.00	150	Horizontal	Pass
6	15831.750	56.36	1.48	74.0	-17.64	Peak	360.00	150	Horizontal	Pass
6**	15831.750	47.27	1.48	54.0	-6.73	AV	360.00	150	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	1318.000	45.13	-17.36	74.0	-28.87	Peak	257.00	150	Vertical	Pass
1**	1318.000	35.78	-17.36	54.0	-18.22	AV	257.00	150	Vertical	Pass
2	2804.100	42.82	-10.39	74.0	-31.18	Peak	23.00	150	Vertical	Pass
2**	2804.100	33.40	-10.39	54.0	-20.60	AV	23.00	150	Vertical	Pass
3	4808.000	51.85	-2.97	74.0	-22.15	Peak	360.00	150	Vertical	Pass
3**	4808.000	42.73	-2.97	54.0	-11.27	AV	360.00	150	Vertical	Pass
4	5256.200	104.31	-2.78	--	--	Peak	124.00	150	Vertical	N/A
4**	5256.200	96.99	-2.78	--	--	AV	124.00	150	Vertical	N/A
5	11677.912	52.64	0.20	74.0	-21.36	Peak	222.00	150	Vertical	Pass
5**	11677.912	43.20	0.20	54.0	-10.80	AV	222.00	150	Vertical	Pass
6	15735.412	55.43	0.83	74.0	-18.57	Peak	360.00	150	Vertical	Pass
6**	15735.412	46.25	0.83	54.0	-7.75	AV	360.00	150	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	1154.000	43.26	-18.04	74.0	-30.74	Peak	282.00	150	Horizontal	Pass
1**	1154.000	34.92	-18.04	54.0	-19.08	AV	282.00	150	Horizontal	Pass
2	2815.400	44.00	-10.11	74.0	-30.00	Peak	336.00	150	Horizontal	Pass
2**	2815.400	33.97	-10.11	54.0	-20.03	AV	336.00	150	Horizontal	Pass
3	4918.400	52.23	-2.33	74.0	-21.77	Peak	134.00	150	Horizontal	Pass
3**	4918.400	43.01	-2.33	54.0	-10.99	AV	134.00	150	Horizontal	Pass
4	5304.200	107.63	-3.06	--	--	Peak	162.00	150	Horizontal	N/A
4**	5304.200	101.18	-3.06	--	--	AV	162.00	150	Horizontal	N/A
5	11950.175	53.13	1.39	74.0	-20.87	Peak	15.00	150	Horizontal	Pass
5**	11950.175	44.30	1.39	54.0	-9.70	AV	15.00	150	Horizontal	Pass
6	15875.063	56.37	0.39	74.0	-17.63	Peak	127.00	150	Horizontal	Pass
6**	15875.063	46.16	0.39	54.0	-7.84	AV	127.00	150	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	1317.800	44.37	-17.34	74.0	-29.63	Peak	256.00	150	Vertical	Pass
1**	1317.800	35.72	-17.34	54.0	-18.28	AV	256.00	150	Vertical	Pass
2	2822.800	44.25	-10.26	74.0	-29.75	Peak	0.00	150	Vertical	Pass
2**	2822.800	34.24	-10.26	54.0	-19.76	AV	0.00	150	Vertical	Pass
3	4791.600	51.70	-2.71	74.0	-22.30	Peak	25.00	150	Vertical	Pass
3**	4791.600	42.56	-2.71	54.0	-11.44	AV	25.00	150	Vertical	Pass
4	5298.400	105.82	-3.27	--	--	Peak	136.00	150	Vertical	N/A
4**	5298.400	98.26	-3.27	--	--	AV	136.00	150	Vertical	N/A
5	11626.450	52.23	-0.15	74.0	-21.77	Peak	9.00	150	Vertical	Pass
5**	11626.450	42.41	-0.15	54.0	-11.59	AV	9.00	150	Vertical	Pass
6	15812.588	55.88	2.11	74.0	-18.12	Peak	294.00	150	Vertical	Pass
6**	15812.588	47.09	2.11	54.0	-6.91	AV	294.00	150	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	1152.100	43.99	-17.95	74.0	-30.01	Peak	360.00	150	Horizontal	Pass
1**	1152.100	35.69	-17.95	54.0	-18.31	AV	360.00	150	Horizontal	Pass
2	2825.400	44.08	-10.29	74.0	-29.92	Peak	20.00	150	Horizontal	Pass
2**	2825.400	33.68	-10.29	54.0	-20.32	AV	20.00	150	Horizontal	Pass
3	4917.200	52.02	-2.24	74.0	-21.98	Peak	181.00	150	Horizontal	Pass
3**	4917.200	42.87	-2.24	54.0	-11.13	AV	181.00	150	Horizontal	Pass
4	5316.200	109.04	-2.77	--	--	Peak	210.00	150	Horizontal	N/A
4**	5316.200	101.14	-2.77	--	--	AV	210.00	150	Horizontal	N/A
5	7374.900	49.52	-3.74	74.0	-24.48	Peak	176.00	150	Horizontal	Pass
5**	7374.900	40.42	-3.74	54.0	-13.58	AV	176.00	150	Horizontal	Pass
6	12305.237	53.06	1.39	74.0	-20.94	Peak	176.00	150	Horizontal	Pass
6**	12305.237	44.61	1.39	54.0	-9.39	AV	176.00	150	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	1157.300	41.72	-18.11	74.0	-32.28	Peak	339.00	150	Vertical	Pass
1**	1157.300	32.74	-18.11	54.0	-21.26	AV	339.00	150	Vertical	Pass
2	2737.500	43.90	-10.97	74.0	-30.10	Peak	124.00	150	Vertical	Pass
2**	2737.500	33.88	-10.97	54.0	-20.12	AV	124.00	150	Vertical	Pass
3	4797.400	51.83	-2.61	74.0	-22.17	Peak	338.00	150	Vertical	Pass
3**	4797.400	42.21	-2.61	54.0	-11.79	AV	338.00	150	Vertical	Pass
4	5316.000	107.24	-2.75	--	--	Peak	140.00	150	Vertical	N/A
4**	5316.000	98.88	-2.75	--	--	AV	140.00	150	Vertical	N/A
5	7351.612	49.48	-3.85	74.0	-24.52	Peak	124.00	150	Vertical	Pass
5**	7351.612	40.63	-3.85	54.0	-13.37	AV	124.00	150	Vertical	Pass
6	11949.025	53.45	1.43	74.0	-20.55	Peak	163.00	150	Vertical	Pass
6**	11949.025	43.41	1.43	54.0	-10.59	AV	163.00	150	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	1152.700	43.52	-17.98	74.0	-30.48	Peak	333.00	150	Horizontal	Pass
1**	1152.700	34.47	-17.98	54.0	-19.53	AV	333.00	150	Horizontal	Pass
2	2730.800	43.32	-10.93	74.0	-30.68	Peak	12.00	150	Horizontal	Pass
2**	2730.800	34.64	-10.93	54.0	-19.36	AV	12.00	150	Horizontal	Pass
3	4817.000	52.30	-3.22	74.0	-21.70	Peak	190.00	150	Horizontal	Pass
3**	4817.000	42.83	-3.22	54.0	-11.17	AV	190.00	150	Horizontal	Pass
4	5257.800	107.12	-2.90	--	--	Peak	206.00	150	Horizontal	N/A
4**	5257.800	99.86	-2.90	--	--	AV	206.00	150	Horizontal	N/A
5	7452.812	49.38	-3.90	74.0	-24.62	Peak	283.00	150	Horizontal	Pass
5**	7452.812	39.64	-3.90	54.0	-14.36	AV	283.00	150	Horizontal	Pass
6	12330.825	53.51	1.40	74.0	-20.49	Peak	145.00	150	Horizontal	Pass
6**	12330.825	44.16	1.40	54.0	-9.84	AV	145.00	150	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	1156.200	41.69	-18.08	74.0	-32.31	Peak	0.00	150	Vertical	Pass
1**	1156.200	33.65	-18.08	54.0	-20.35	AV	0.00	150	Vertical	Pass
2	2733.400	43.61	-10.95	74.0	-30.39	Peak	92.00	150	Vertical	Pass
2**	2733.400	34.32	-10.95	54.0	-19.68	AV	92.00	150	Vertical	Pass
3	4907.200	52.17	-2.54	74.0	-21.83	Peak	148.00	150	Vertical	Pass
3**	4907.200	42.85	-2.54	54.0	-11.15	AV	148.00	150	Vertical	Pass
4	5257.600	105.62	-2.90	--	--	Peak	132.00	150	Vertical	N/A
4**	5257.600	96.90	-2.90	--	--	AV	132.00	150	Vertical	N/A
5	7378.925	49.04	-3.66	74.0	-24.96	Peak	37.00	150	Vertical	Pass
5**	7378.925	40.53	-3.66	54.0	-13.47	AV	37.00	150	Vertical	Pass
6	11191.175	52.18	-0.41	74.0	-21.82	Peak	360.00	150	Vertical	Pass
6**	11191.175	42.35	-0.41	54.0	-11.65	AV	360.00	150	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	1157.000	44.09	-18.10	74.0	-29.91	Peak	279.00	150	Horizontal	Pass
1**	1157.000	35.79	-18.10	54.0	-18.21	AV	279.00	150	Horizontal	Pass
2	2771.600	43.19	-10.49	74.0	-30.81	Peak	80.00	150	Horizontal	Pass
2**	2771.600	34.18	-10.49	54.0	-19.82	AV	80.00	150	Horizontal	Pass
3	4806.600	52.15	-2.98	74.0	-21.85	Peak	168.00	150	Horizontal	Pass
3**	4806.600	43.24	-2.98	54.0	-10.76	AV	168.00	150	Horizontal	Pass
4	5298.400	106.42	-3.27	--	--	Peak	215.00	150	Horizontal	N/A
4**	5298.400	98.36	-3.27	--	--	AV	215.00	150	Horizontal	N/A
5	7306.187	49.30	-3.69	74.0	-24.70	Peak	0.00	150	Horizontal	Pass
5**	7306.187	39.14	-3.69	54.0	-14.86	AV	0.00	150	Horizontal	Pass
6	11671.588	52.98	0.24	74.0	-21.02	Peak	266.00	150	Horizontal	Pass
6**	11671.588	43.48	0.24	54.0	-10.52	AV	266.00	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	1206.400	40.96	-17.96	74.0	-33.04	Peak	55.00	150	Vertical	Pass
1**	1206.400	32.98	-17.96	54.0	-21.02	AV	55.00	150	Vertical	Pass
2	2755.100	43.75	-10.74	74.0	-30.25	Peak	69.00	150	Vertical	Pass
2**	2755.100	34.09	-10.74	54.0	-19.91	AV	69.00	150	Vertical	Pass
3	4772.000	51.93	-3.01	74.0	-22.07	Peak	147.00	150	Vertical	Pass
3**	4772.000	42.38	-3.01	54.0	-11.62	AV	147.00	150	Vertical	Pass
4	5298.400	104.79	-3.27	--	--	Peak	133.00	150	Vertical	N/A
4**	5298.400	96.80	-3.27	--	--	AV	133.00	150	Vertical	N/A
5	7364.550	49.67	-4.02	74.0	-24.33	Peak	268.00	150	Vertical	Pass
5**	7364.550	40.05	-4.02	54.0	-13.95	AV	268.00	150	Vertical	Pass
6	11950.750	53.46	1.36	74.0	-20.54	Peak	105.00	150	Vertical	Pass
6**	11950.750	44.00	1.36	54.0	-10.00	AV	105.00	150	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	1151.100	44.05	-17.97	74.0	-29.95	Peak	334.00	150	Horizontal	Pass
1**	1151.100	35.06	-17.97	54.0	-18.94	AV	334.00	150	Horizontal	Pass
2	2834.500	44.19	-10.38	74.0	-29.81	Peak	77.00	150	Horizontal	Pass
2**	2834.500	34.48	-10.38	54.0	-19.52	AV	77.00	150	Horizontal	Pass
3	4809.400	52.29	-2.96	74.0	-21.71	Peak	360.00	150	Horizontal	Pass
3**	4809.400	43.29	-2.96	54.0	-10.71	AV	360.00	150	Horizontal	Pass
4	5317.400	106.26	-2.80	--	--	Peak	202.00	150	Horizontal	N/A
4**	5317.400	99.51	-2.80	--	--	AV	202.00	150	Horizontal	N/A
5	7287.788	50.47	-3.67	74.0	-23.53	Peak	39.00	150	Horizontal	Pass
5**	7287.788	39.73	-3.67	54.0	-14.27	AV	39.00	150	Horizontal	Pass
6	11934.363	53.41	1.67	74.0	-20.59	Peak	344.00	150	Horizontal	Pass
6**	11934.363	43.89	1.67	54.0	-10.11	AV	344.00	150	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	1153.300	40.64	-18.01	74.0	-33.36	Peak	246.00	150	Vertical	Pass
1**	1153.300	31.53	-18.01	54.0	-22.47	AV	246.00	150	Vertical	Pass
2	2743.900	43.39	-10.93	74.0	-30.61	Peak	101.00	150	Vertical	Pass
2**	2743.900	34.61	-10.93	54.0	-19.39	AV	101.00	150	Vertical	Pass
3	4793.200	51.63	-2.63	74.0	-22.37	Peak	45.00	150	Vertical	Pass
3**	4793.200	41.96	-2.63	54.0	-12.04	AV	45.00	150	Vertical	Pass
4	5315.800	104.76	-2.74	--	--	Peak	136.00	150	Vertical	N/A
4**	5315.800	96.42	-2.74	--	--	AV	136.00	150	Vertical	N/A
5	7681.375	49.94	-2.64	74.0	-24.06	Peak	246.00	150	Vertical	Pass
5**	7681.375	40.07	-2.64	54.0	-13.93	AV	246.00	150	Vertical	Pass
6	11396.737	53.04	-0.21	74.0	-20.96	Peak	127.00	150	Vertical	Pass
6**	11396.737	43.27	-0.21	54.0	-10.73	AV	127.00	150	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	1155.300	44.49	-18.07	74.0	-29.51	Peak	333.00	150	Horizontal	Pass
1**	1155.300	35.14	-18.07	54.0	-18.86	AV	333.00	150	Horizontal	Pass
2	2809.700	43.60	-10.26	74.0	-30.40	Peak	241.00	150	Horizontal	Pass
2**	2809.700	34.20	-10.26	54.0	-19.80	AV	241.00	150	Horizontal	Pass
3	4822.800	51.86	-3.41	74.0	-22.14	Peak	360.00	150	Horizontal	Pass
3**	4822.800	42.80	-3.41	54.0	-11.20	AV	360.00	150	Horizontal	Pass
4	5258.400	103.07	-2.89	--	--	Peak	220.00	150	Horizontal	N/A
4**	5258.400	94.50	-2.89	--	--	AV	220.00	150	Horizontal	N/A
5	7460.287	49.28	-3.78	74.0	-24.72	Peak	123.00	150	Horizontal	Pass
5**	7460.287	39.49	-3.78	54.0	-14.51	AV	123.00	150	Horizontal	Pass
6	12223.300	53.66	1.28	74.0	-20.34	Peak	123.00	150	Horizontal	Pass
6**	12223.300	44.11	1.28	54.0	-9.89	AV	123.00	150	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	1153.600	40.73	-18.03	74.0	-33.27	Peak	236.00	150	Vertical	Pass
1**	1153.600	30.64	-18.03	54.0	-23.36	AV	236.00	150	Vertical	Pass
2	2869.300	43.87	-10.39	74.0	-30.13	Peak	79.00	150	Vertical	Pass
2**	2869.300	34.74	-10.39	54.0	-19.26	AV	79.00	150	Vertical	Pass
3	4764.800	51.87	-3.27	74.0	-22.13	Peak	360.00	150	Vertical	Pass
3**	4764.800	41.99	-3.27	54.0	-12.01	AV	360.00	150	Vertical	Pass
4	5259.200	100.65	-2.88	--	--	Peak	143.00	150	Vertical	N/A
4**	5259.200	93.05	-2.88	--	--	AV	143.00	150	Vertical	N/A
5	7480.700	49.25	-4.22	74.0	-24.75	Peak	342.00	150	Vertical	Pass
5**	7480.700	40.00	-4.22	54.0	-14.00	AV	342.00	150	Vertical	Pass
6	11990.138	52.80	1.14	74.0	-21.20	Peak	241.00	150	Vertical	Pass
6**	11990.138	43.72	1.14	54.0	-10.28	AV	241.00	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	1156.400	43.70	-18.09	74.0	-30.30	Peak	0.00	150	Horizontal	Pass
1**	1156.400	34.71	-18.09	54.0	-19.29	AV	0.00	150	Horizontal	Pass
2	2721.300	43.59	-11.12	74.0	-30.41	Peak	197.00	150	Horizontal	Pass
2**	2721.300	33.78	-11.12	54.0	-20.22	AV	197.00	150	Horizontal	Pass
3	4798.200	51.85	-2.56	74.0	-22.15	Peak	145.00	150	Horizontal	Pass
3**	4798.200	42.92	-2.56	54.0	-11.08	AV	145.00	150	Horizontal	Pass
4	5304.800	103.62	-3.04	--	--	Peak	209.00	150	Horizontal	N/A
4**	5304.800	95.98	-3.04	--	--	AV	209.00	150	Horizontal	N/A
5	7581.900	48.94	-3.43	74.0	-25.06	Peak	306.00	150	Horizontal	Pass
5**	7581.900	39.48	-3.43	54.0	-14.52	AV	306.00	150	Horizontal	Pass
6	12278.500	53.34	1.75	74.0	-20.66	Peak	207.00	150	Horizontal	Pass
6**	12278.500	43.52	1.75	54.0	-10.48	AV	207.00	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	1114.300	40.81	-18.56	74.0	-33.19	Peak	253.00	150	Vertical	Pass
1**	1114.300	31.85	-18.56	54.0	-22.15	AV	253.00	150	Vertical	Pass
2	2849.700	44.48	-10.28	74.0	-29.52	Peak	360.00	150	Vertical	Pass
2**	2849.700	34.17	-10.28	54.0	-19.83	AV	360.00	150	Vertical	Pass
3	4917.000	51.95	-2.26	74.0	-22.05	Peak	46.00	150	Vertical	Pass
3**	4917.000	43.14	-2.26	54.0	-10.86	AV	46.00	150	Vertical	Pass
4	5319.400	101.76	-2.78	--	--	Peak	129.00	150	Vertical	N/A
4**	5319.400	93.89	-2.78	--	--	AV	129.00	150	Vertical	N/A
5	7341.550	48.97	-3.65	74.0	-25.03	Peak	0.00	150	Vertical	Pass
5**	7341.550	40.82	-3.65	54.0	-13.18	AV	0.00	150	Vertical	Pass
6	12285.400	53.58	1.77	74.0	-20.42	Peak	135.00	150	Vertical	Pass
6**	12285.400	43.84	1.77	54.0	-10.16	AV	135.00	150	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	1153.200	43.83	-18.01	74.0	-30.17	Peak	284.00	150	Horizontal	Pass
1**	1153.200	35.83	-18.01	54.0	-18.17	AV	284.00	150	Horizontal	Pass
2	2775.600	43.95	-10.48	74.0	-30.05	Peak	21.00	150	Horizontal	Pass
2**	2775.600	34.31	-10.48	54.0	-19.69	AV	21.00	150	Horizontal	Pass
3	4905.200	52.38	-2.57	74.0	-21.62	Peak	90.00	150	Horizontal	Pass
3**	4905.200	42.40	-2.57	54.0	-11.60	AV	90.00	150	Horizontal	Pass
4	5257.800	107.00	-2.90	--	--	Peak	218.00	150	Horizontal	N/A
4**	5257.800	98.85	-2.90	--	--	AV	218.00	150	Horizontal	N/A
5	7617.263	49.21	-2.89	74.0	-24.79	Peak	131.00	150	Horizontal	Pass
5**	7617.263	40.35	-2.89	54.0	-13.65	AV	131.00	150	Horizontal	Pass
6	12206.338	53.48	0.86	74.0	-20.52	Peak	36.00	150	Horizontal	Pass
6**	12206.338	43.44	0.86	54.0	-10.56	AV	36.00	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	1164.800	40.65	-18.09	74.0	-33.35	Peak	250.00	150	Vertical	Pass
1**	1164.800	30.63	-18.09	54.0	-23.37	AV	250.00	150	Vertical	Pass
2	2747.500	43.24	-10.93	74.0	-30.76	Peak	61.00	150	Vertical	Pass
2**	2747.500	34.19	-10.93	54.0	-19.81	AV	61.00	150	Vertical	Pass
3	4892.200	52.06	-3.26	74.0	-21.94	Peak	48.00	150	Vertical	Pass
3**	4892.200	42.58	-3.26	54.0	-11.42	AV	48.00	150	Vertical	Pass
4	5258.200	105.08	-2.89	--	--	Peak	139.00	150	Vertical	N/A
4**	5258.200	96.45	-2.89	--	--	AV	139.00	150	Vertical	N/A
5	7335.225	49.82	-3.37	74.0	-24.18	Peak	36.00	150	Vertical	Pass
5**	7335.225	40.82	-3.37	54.0	-13.18	AV	36.00	150	Vertical	Pass
6	12230.487	53.82	1.29	74.0	-20.18	Peak	229.00	150	Vertical	Pass
6**	12230.487	43.52	1.29	54.0	-10.48	AV	229.00	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	1149.400	43.48	-18.03	74.0	-30.52	Peak	299.00	150	Horizontal	Pass
1**	1149.400	34.15	-18.03	54.0	-19.85	AV	299.00	150	Horizontal	Pass
2	2807.000	43.39	-10.31	74.0	-30.61	Peak	116.00	150	Horizontal	Pass
2**	2807.000	33.17	-10.31	54.0	-20.83	AV	116.00	150	Horizontal	Pass
3	4920.000	52.41	-2.46	74.0	-21.59	Peak	360.00	150	Horizontal	Pass
3**	4920.000	42.74	-2.46	54.0	-11.26	AV	360.00	150	Horizontal	Pass
4	5302.200	106.91	-3.15	--	--	Peak	213.00	150	Horizontal	N/A
4**	5302.200	99.42	-3.15	--	--	AV	213.00	150	Horizontal	N/A
5	7322.862	49.84	-3.61	74.0	-24.16	Peak	260.00	150	Horizontal	Pass
5**	7322.862	40.13	-3.61	54.0	-13.87	AV	260.00	150	Horizontal	Pass
6	12222.151	53.92	1.26	74.0	-20.08	Peak	54.00	150	Horizontal	Pass
6**	12222.151	43.92	1.26	54.0	-10.08	AV	54.00	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	1121.400	40.81	-18.49	74.0	-33.19	Peak	251.00	150	Vertical	Pass
1**	1121.400	31.87	-18.49	54.0	-22.13	AV	251.00	150	Vertical	Pass
2	2734.300	44.16	-10.95	74.0	-29.84	Peak	235.00	150	Vertical	Pass
2**	2734.300	34.22	-10.95	54.0	-19.78	AV	235.00	150	Vertical	Pass
3	4806.800	52.39	-3.00	74.0	-21.61	Peak	12.00	150	Vertical	Pass
3**	4806.800	43.13	-3.00	54.0	-10.87	AV	12.00	150	Vertical	Pass
4	5303.600	104.98	-3.09	--	--	Peak	145.00	150	Vertical	N/A
4**	5303.600	96.77	-3.09	--	--	AV	145.00	150	Vertical	N/A
5	7460.287	49.35	-3.78	74.0	-24.65	Peak	169.00	150	Vertical	Pass
5**	7460.287	40.80	-3.78	54.0	-13.20	AV	169.00	150	Vertical	Pass
6	11497.075	53.53	0.05	74.0	-20.47	Peak	360.00	150	Vertical	Pass
6**	11497.075	42.54	0.05	54.0	-11.46	AV	360.00	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	1156.700	44.28	-18.10	74.0	-29.72	Peak	360.00	150	Horizontal	Pass
1**	1156.700	35.30	-18.10	54.0	-18.70	AV	360.00	150	Horizontal	Pass
2	2803.900	43.89	-10.40	74.0	-30.11	Peak	360.00	150	Horizontal	Pass
2**	2803.900	34.75	-10.40	54.0	-19.25	AV	360.00	150	Horizontal	Pass
3	4933.800	52.47	-2.87	74.0	-21.53	Peak	251.00	150	Horizontal	Pass
3**	4933.800	43.13	-2.87	54.0	-10.87	AV	251.00	150	Horizontal	Pass
4	5321.200	107.07	-2.77	--	--	Peak	199.00	150	Horizontal	N/A
4**	5321.200	99.20	-2.77	--	--	AV	199.00	150	Horizontal	N/A
5	7353.337	50.37	-3.88	74.0	-23.63	Peak	243.00	150	Horizontal	Pass
5**	7353.337	40.03	-3.88	54.0	-13.97	AV	243.00	150	Horizontal	Pass
6	12041.888	52.98	0.86	74.0	-21.02	Peak	329.00	150	Horizontal	Pass
6**	12041.888	42.51	0.86	54.0	-11.49	AV	329.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1110.500	40.64	-18.57	74.0	-33.36	Peak	260.00	150	Vertical	Pass
1**	1110.500	30.36	-18.57	54.0	-23.64	AV	260.00	150	Vertical	Pass
2	2790.000	43.92	-10.59	74.0	-30.08	Peak	313.00	150	Vertical	Pass
2**	2790.000	33.89	-10.59	54.0	-20.11	AV	313.00	150	Vertical	Pass
3	4936.400	51.80	-2.99	74.0	-22.20	Peak	30.00	150	Vertical	Pass
3**	4936.400	42.06	-2.99	54.0	-11.94	AV	30.00	150	Vertical	Pass
4	5323.600	104.47	-2.77	--	--	Peak	137.00	150	Vertical	N/A
4**	5323.600	97.49	-2.77	--	--	AV	137.00	150	Vertical	N/A
5	7339.825	49.43	-3.50	74.0	-24.57	Peak	325.00	150	Vertical	Pass
5**	7339.825	41.15	-3.50	54.0	-12.85	AV	325.00	150	Vertical	Pass
6	10920.063	53.23	0.24	74.0	-20.77	Peak	360.00	150	Vertical	Pass
6**	10920.063	42.69	0.24	54.0	-11.31	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1167.900	44.05	-18.14	74.0	-29.95	Peak	278.00	150	Horizontal	Pass
1**	1167.900	34.53	-18.14	54.0	-19.47	AV	278.00	150	Horizontal	Pass
2	2817.200	43.62	-10.20	74.0	-30.38	Peak	211.00	150	Horizontal	Pass
2**	2817.200	33.61	-10.20	54.0	-20.39	AV	211.00	150	Horizontal	Pass
3	4834.800	51.92	-3.46	74.0	-22.08	Peak	250.00	150	Horizontal	Pass
3**	4834.800	42.44	-3.46	54.0	-11.56	AV	250.00	150	Horizontal	Pass
4	5279.800	103.84	-3.13	--	--	Peak	212.00	150	Horizontal	N/A
4**	5279.800	95.36	-3.13	--	--	AV	212.00	150	Horizontal	N/A
5	7476.962	48.74	-4.30	74.0	-25.26	Peak	180.00	150	Horizontal	Pass
5**	7476.962	40.03	-4.30	54.0	-13.97	AV	180.00	150	Horizontal	Pass
6	11763.875	53.09	1.29	74.0	-20.91	Peak	302.00	150	Horizontal	Pass
6**	11763.875	43.11	1.29	54.0	-10.89	AV	302.00	150	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	1156.700	40.69	-18.10	74.0	-33.31	Peak	49.00	150	Vertical	Pass
1**	1156.700	31.44	-18.10	54.0	-22.56	AV	49.00	150	Vertical	Pass
2	2849.800	44.58	-10.28	74.0	-29.42	Peak	225.00	150	Vertical	Pass
2**	2849.800	34.79	-10.28	54.0	-19.21	AV	225.00	150	Vertical	Pass
3	4792.200	51.96	-2.69	74.0	-22.04	Peak	49.00	150	Vertical	Pass
3**	4792.200	42.14	-2.69	54.0	-11.86	AV	49.00	150	Vertical	Pass
4	5273.000	101.16	-3.06	--	--	Peak	135.00	150	Vertical	N/A
4**	5273.000	94.17	-3.06	--	--	AV	135.00	150	Vertical	N/A
5	7676.487	50.12	-2.41	74.0	-23.88	Peak	187.00	150	Vertical	Pass
5**	7676.487	40.32	-2.41	54.0	-13.68	AV	187.00	150	Vertical	Pass
6	11951.325	53.18	1.34	74.0	-20.82	Peak	0.00	150	Vertical	Pass
6**	11951.325	43.35	1.34	54.0	-10.65	AV	0.00	150	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	1157.700	44.17	-18.13	74.0	-29.83	Peak	46.00	150	Horizontal	Pass
1**	1157.700	35.40	-18.13	54.0	-18.60	AV	46.00	150	Horizontal	Pass
2	2765.700	43.67	-10.79	74.0	-30.33	Peak	328.00	150	Horizontal	Pass
2**	2765.700	34.90	-10.79	54.0	-19.10	AV	328.00	150	Horizontal	Pass
3	4785.400	52.35	-2.76	74.0	-21.65	Peak	204.00	150	Horizontal	Pass
3**	4785.400	42.24	-2.76	54.0	-11.76	AV	204.00	150	Horizontal	Pass
4	5321.000	103.84	-2.78	--	--	Peak	204.00	150	Horizontal	N/A
4**	5321.000	96.56	-2.78	--	--	AV	204.00	150	Horizontal	N/A
5	7381.225	49.25	-3.71	74.0	-24.75	Peak	115.00	150	Horizontal	Pass
5**	7381.225	40.61	-3.71	54.0	-13.39	AV	115.00	150	Horizontal	Pass
6	12086.450	53.01	0.54	74.0	-20.99	Peak	5.00	150	Horizontal	Pass
6**	12086.450	44.20	0.54	54.0	-9.80	AV	5.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1122.000	41.01	-18.49	74.0	-32.99	Peak	115.00	150	Vertical	Pass
1**	1122.000	31.46	-18.49	54.0	-22.54	AV	115.00	150	Vertical	Pass
2	2707.000	44.07	-11.30	74.0	-29.93	Peak	327.00	150	Vertical	Pass
2**	2707.000	34.12	-11.30	54.0	-19.88	AV	327.00	150	Vertical	Pass
3	4891.200	52.10	-3.24	74.0	-21.90	Peak	360.00	150	Vertical	Pass
3**	4891.200	42.45	-3.24	54.0	-11.55	AV	360.00	150	Vertical	Pass
4	5322.000	101.84	-2.76	--	--	Peak	141.00	150	Vertical	N/A
4**	5322.000	94.40	-2.76	--	--	AV	141.00	150	Vertical	N/A
5	7354.487	49.85	-3.96	74.0	-24.15	Peak	288.00	150	Vertical	Pass
5**	7354.487	40.31	-3.96	54.0	-13.69	AV	288.00	150	Vertical	Pass
6	12273.613	53.28	1.57	74.0	-20.72	Peak	42.00	150	Vertical	Pass
6**	12273.613	43.90	1.57	54.0	-10.10	AV	42.00	150	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	1156.400	45.17	-18.09	74.0	-28.83	Peak	34.00	150	Horizontal	Pass
1**	1156.400	35.69	-18.09	54.0	-18.31	AV	34.00	150	Horizontal	Pass
2	2716.500	43.65	-11.17	74.0	-30.35	Peak	182.00	150	Horizontal	Pass
2**	2716.500	34.36	-11.17	54.0	-19.64	AV	182.00	150	Horizontal	Pass
3	4910.400	52.11	-2.45	74.0	-21.89	Peak	199.00	150	Horizontal	Pass
3**	4910.400	43.69	-2.45	54.0	-10.31	AV	199.00	150	Horizontal	Pass
4	5310.200	101.13	-2.84	--	--	Peak	219.00	150	Horizontal	N/A
4**	5310.200	92.38	-2.84	--	--	AV	219.00	150	Horizontal	N/A
5	7383.237	49.17	-3.84	74.0	-24.83	Peak	52.00	150	Horizontal	Pass
5**	7383.237	40.07	-3.84	54.0	-13.93	AV	52.00	150	Horizontal	Pass
6	11968.000	53.41	0.82	74.0	-20.59	Peak	12.00	150	Horizontal	Pass
6**	11968.000	43.61	0.82	54.0	-10.39	AV	12.00	150	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	1152.800	39.72	-17.99	74.0	-34.28	Peak	122.00	150	Vertical	Pass
1**	1152.800	30.65	-17.99	54.0	-23.35	AV	122.00	150	Vertical	Pass
2	2720.200	43.41	-11.16	74.0	-30.59	Peak	241.00	150	Vertical	Pass
2**	2720.200	34.26	-11.16	54.0	-19.74	AV	241.00	150	Vertical	Pass
3	4917.000	52.65	-2.26	74.0	-21.35	Peak	191.00	150	Vertical	Pass
3**	4917.000	44.49	-2.26	54.0	-9.51	AV	191.00	150	Vertical	Pass
4	5298.000	99.11	-3.25	--	--	Peak	138.00	150	Vertical	N/A
4**	5298.000	90.62	-3.25	--	--	AV	138.00	150	Vertical	N/A
5	7561.200	49.45	-3.01	74.0	-24.55	Peak	193.00	150	Vertical	Pass
5**	7561.200	39.30	-3.01	54.0	-14.70	AV	193.00	150	Vertical	Pass
6	12299.201	53.42	1.49	74.0	-20.58	Peak	3.00	150	Vertical	Pass
6**	12299.201	44.05	1.49	54.0	-9.95	AV	3.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.900	45.62	-18.10	74.0	-28.38	Peak	61.00	150	Horizontal	Pass
1**	1156.900	35.65	-18.10	54.0	-18.35	AV	61.00	150	Horizontal	Pass
2	2730.800	43.82	-10.93	74.0	-30.18	Peak	0.00	150	Horizontal	Pass
2**	2730.800	33.79	-10.93	54.0	-20.21	AV	0.00	150	Horizontal	Pass
3	4911.800	52.45	-2.37	74.0	-21.55	Peak	72.00	150	Horizontal	Pass
3**	4911.800	42.82	-2.37	54.0	-11.18	AV	72.00	150	Horizontal	Pass
4	5502.800	106.87	-2.22	--	--	Peak	198.00	150	Horizontal	N/A
4**	5502.800	99.93	-2.22	--	--	AV	198.00	150	Horizontal	N/A
5	7353.050	49.16	-3.87	74.0	-24.84	Peak	324.00	150	Horizontal	Pass
5**	7353.050	40.03	-3.87	54.0	-13.97	AV	324.00	150	Horizontal	Pass
6	11986.113	53.44	1.02	74.0	-20.56	Peak	202.00	150	Horizontal	Pass
6**	11986.113	43.31	1.02	54.0	-10.69	AV	202.00	150	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	1142.700	40.58	-18.29	74.0	-33.42	Peak	124.00	150	Vertical	Pass
1**	1142.700	31.42	-18.29	54.0	-22.58	AV	124.00	150	Vertical	Pass
2	2765.800	43.56	-10.79	74.0	-30.44	Peak	286.00	150	Vertical	Pass
2**	2765.800	34.92	-10.79	54.0	-19.08	AV	286.00	150	Vertical	Pass
3	4814.200	52.42	-3.07	74.0	-21.58	Peak	92.00	150	Vertical	Pass
3**	4814.200	42.99	-3.07	54.0	-11.01	AV	92.00	150	Vertical	Pass
4	5498.800	105.22	-2.07	--	--	Peak	128.00	150	Vertical	N/A
4**	5498.800	96.66	-2.07	--	--	AV	128.00	150	Vertical	N/A
5	7454.825	49.80	-3.91	74.0	-24.20	Peak	51.00	150	Vertical	Pass
5**	7454.825	40.24	-3.91	54.0	-13.76	AV	51.00	150	Vertical	Pass
6	12222.725	53.38	1.27	74.0	-20.62	Peak	325.00	150	Vertical	Pass
6**	12222.725	44.40	1.27	54.0	-9.60	AV	325.00	150	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	1155.700	42.52	-18.07	74.0	-31.48	Peak	154.00	150	Horizontal	Pass
1**	1155.700	33.31	-18.07	54.0	-20.69	AV	154.00	150	Horizontal	Pass
2	2869.500	43.83	-10.39	74.0	-30.17	Peak	32.00	150	Horizontal	Pass
2**	2869.500	33.74	-10.39	54.0	-20.26	AV	32.00	150	Horizontal	Pass
3	4799.200	52.48	-2.55	74.0	-21.52	Peak	10.00	150	Horizontal	Pass
3**	4799.200	42.81	-2.55	54.0	-11.19	AV	10.00	150	Horizontal	Pass
4	5583.400	107.21	-2.37	--	--	Peak	199.00	150	Horizontal	N/A
4**	5583.400	99.78	-2.37	--	--	AV	199.00	150	Horizontal	N/A
5	7344.712	50.02	-3.63	74.0	-23.98	Peak	13.00	150	Horizontal	Pass
5**	7344.712	41.10	-3.63	54.0	-12.90	AV	13.00	150	Horizontal	Pass
6	12332.550	53.17	1.38	74.0	-20.83	Peak	237.00	150	Horizontal	Pass
6**	12332.550	44.02	1.38	54.0	-9.98	AV	237.00	150	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	1118.500	43.24	-18.58	74.0	-30.76	Peak	256.00	150	Vertical	Pass
1**	1118.500	33.36	-18.58	54.0	-20.64	AV	256.00	150	Vertical	Pass
2	4906.800	51.98	-2.57	74.0	-22.02	Peak	205.00	150	Vertical	Pass
2**	4906.800	43.19	-2.57	54.0	-10.81	AV	205.00	150	Vertical	Pass
3	2823.500	43.61	-10.29	74.0	-30.39	Peak	323.00	150	Vertical	Pass
3**	2823.500	34.09	-10.29	54.0	-19.91	AV	323.00	150	Vertical	Pass
4	5581.600	104.02	-2.29	--	--	Peak	153.00	150	Vertical	N/A
4**	5581.600	96.69	-2.29	--	--	AV	153.00	150	Vertical	N/A
5	7367.138	49.36	-4.02	74.0	-24.64	Peak	0.00	150	Vertical	Pass
5**	7367.138	41.36	-4.02	54.0	-12.64	AV	0.00	150	Vertical	Pass
6	12297.763	53.19	1.52	74.0	-20.81	Peak	95.00	150	Vertical	Pass
6**	12297.763	44.31	1.52	54.0	-9.69	AV	95.00	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	1143.600	43.68	-18.28	74.0	-30.32	Peak	355.00	150	Horizontal	Pass
1**	1143.600	34.45	-18.28	54.0	-19.55	AV	355.00	150	Horizontal	Pass
2	2736.200	43.45	-10.98	74.0	-30.55	Peak	174.00	150	Horizontal	Pass
2**	2736.200	34.17	-10.98	54.0	-19.83	AV	174.00	150	Horizontal	Pass
3	4758.800	52.20	-3.43	74.0	-21.80	Peak	38.00	150	Horizontal	Pass
3**	4758.800	41.63	-3.43	54.0	-12.37	AV	38.00	150	Horizontal	Pass
4	5696.400	106.69	-2.09	--	--	Peak	256.00	150	Horizontal	N/A
4**	5696.400	99.06	-2.09	--	--	AV	256.00	150	Horizontal	N/A
5	7373.750	50.17	-3.75	74.0	-23.83	Peak	306.00	150	Horizontal	Pass
5**	7373.750	40.98	-3.75	54.0	-13.02	AV	306.00	150	Horizontal	Pass
6	11640.250	52.49	-0.24	74.0	-21.51	Peak	129.00	150	Horizontal	Pass
6**	11640.250	43.95	-0.24	54.0	-10.05	AV	129.00	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	1143.000	43.52	-18.29	74.0	-30.48	Peak	267.00	150	Vertical	Pass
1**	1143.000	33.71	-18.29	54.0	-20.29	AV	267.00	150	Vertical	Pass
2	2733.900	43.34	-10.95	74.0	-30.66	Peak	291.00	150	Vertical	Pass
2**	2733.900	34.58	-10.95	54.0	-19.42	AV	291.00	150	Vertical	Pass
3	4915.200	52.43	-2.37	74.0	-21.57	Peak	76.00	150	Vertical	Pass
3**	4915.200	43.81	-2.37	54.0	-10.19	AV	76.00	150	Vertical	Pass
4	5700.800	103.98	-2.08	--	--	Peak	153.00	150	Vertical	N/A
4**	5700.800	95.60	-2.08	--	--	AV	153.00	150	Vertical	N/A
5	7351.612	49.79	-3.85	74.0	-24.21	Peak	66.00	150	Vertical	Pass
5**	7351.612	40.57	-3.85	54.0	-13.43	AV	66.00	150	Vertical	Pass
6	11998.474	53.39	1.26	74.0	-20.61	Peak	28.00	150	Vertical	Pass
6**	11998.474	43.69	1.26	54.0	-10.31	AV	28.00	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	1146.000	43.74	-18.20	74.0	-30.26	Peak	355.00	150	Horizontal	Pass
1**	1146.000	35.20	-18.20	54.0	-18.80	AV	355.00	150	Horizontal	Pass
2	2755.400	43.83	-10.74	74.0	-30.17	Peak	348.00	150	Horizontal	Pass
2**	2755.400	33.59	-10.74	54.0	-20.41	AV	348.00	150	Horizontal	Pass
3	4761.200	51.64	-3.33	74.0	-22.36	Peak	234.00	150	Horizontal	Pass
3**	4761.200	42.63	-3.33	54.0	-11.37	AV	234.00	150	Horizontal	Pass
4	5497.200	107.05	-2.04	--	--	Peak	195.00	150	Horizontal	N/A
4**	5497.200	100.59	-2.04	--	--	AV	195.00	150	Horizontal	N/A
5	7355.925	49.50	-4.08	74.0	-24.50	Peak	177.00	150	Horizontal	Pass
5**	7355.925	40.59	-4.08	54.0	-13.41	AV	177.00	150	Horizontal	Pass
6	12232.500	53.26	1.23	74.0	-20.74	Peak	346.00	150	Horizontal	Pass
6**	12232.500	44.72	1.23	54.0	-9.28	AV	346.00	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	1132.800	43.50	-18.36	74.0	-30.50	Peak	263.00	150	Vertical	Pass
1**	1132.800	33.89	-18.36	54.0	-20.11	AV	263.00	150	Vertical	Pass
2	2735.200	43.38	-10.96	74.0	-30.62	Peak	153.00	150	Vertical	Pass
2**	2735.200	34.25	-10.96	54.0	-19.75	AV	153.00	150	Vertical	Pass
3	4803.800	52.44	-2.73	74.0	-21.56	Peak	143.00	150	Vertical	Pass
3**	4803.800	43.34	-2.73	54.0	-10.66	AV	143.00	150	Vertical	Pass
4	5498.800	104.51	-2.07	--	--	Peak	155.00	150	Vertical	N/A
4**	5498.800	97.01	-2.07	--	--	AV	155.00	150	Vertical	N/A
5	7373.750	49.48	-3.75	74.0	-24.52	Peak	266.00	150	Vertical	Pass
5**	7373.750	39.08	-3.75	54.0	-14.92	AV	266.00	150	Vertical	Pass
6	12341.463	53.81	1.29	74.0	-20.19	Peak	0.00	150	Vertical	Pass
6**	12341.463	43.65	1.29	54.0	-10.35	AV	0.00	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	1303.600	44.20	-17.37	74.0	-29.80	Peak	293.00	150	Horizontal	Pass
1**	1303.600	35.00	-17.37	54.0	-19.00	AV	293.00	150	Horizontal	Pass
2	2778.800	43.93	-10.43	74.0	-30.07	Peak	81.00	150	Horizontal	Pass
2**	2778.800	34.42	-10.43	54.0	-19.58	AV	81.00	150	Horizontal	Pass
3	4783.800	51.96	-2.94	74.0	-22.04	Peak	58.00	150	Horizontal	Pass
3**	4783.800	42.42	-2.94	54.0	-11.58	AV	58.00	150	Horizontal	Pass
4	5576.600	106.48	-2.21	--	--	Peak	202.00	150	Horizontal	N/A
4**	5576.600	98.85	-2.21	--	--	AV	202.00	150	Horizontal	N/A
5	11372.300	52.36	-0.27	74.0	-21.64	Peak	232.00	150	Horizontal	Pass
5**	11372.300	43.83	-0.27	54.0	-10.17	AV	232.00	150	Horizontal	Pass
6	15842.250	56.96	1.41	74.0	-17.04	Peak	210.00	150	Horizontal	Pass
6**	15842.250	47.49	1.41	54.0	-6.51	AV	210.00	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	1310.200	45.92	-17.29	74.0	-28.08	Peak	283.00	150	Vertical	Pass
1**	1310.200	37.16	-17.29	54.0	-16.84	AV	283.00	150	Vertical	Pass
2	2803.700	44.14	-10.41	74.0	-29.86	Peak	164.00	150	Vertical	Pass
2**	2803.700	34.34	-10.41	54.0	-19.66	AV	164.00	150	Vertical	Pass
3	4898.200	52.53	-2.93	74.0	-21.47	Peak	21.00	150	Vertical	Pass
3**	4898.200	42.57	-2.93	54.0	-11.43	AV	21.00	150	Vertical	Pass
4	5576.600	103.90	-2.21	--	--	Peak	158.00	150	Vertical	N/A
4**	5576.600	97.01	-2.21	--	--	AV	158.00	150	Vertical	N/A
5	11715.287	53.31	0.76	74.0	-20.69	Peak	143.00	150	Vertical	Pass
5**	11715.287	42.94	0.76	54.0	-11.06	AV	143.00	150	Vertical	Pass
6	15844.875	55.66	1.37	74.0	-18.34	Peak	189.00	150	Vertical	Pass
6**	15844.875	46.53	1.37	54.0	-7.47	AV	189.00	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	1145.600	44.08	-18.21	74.0	-29.92	Peak	357.00	150	Horizontal	Pass
1**	1145.600	34.90	-18.21	54.0	-19.10	AV	357.00	150	Horizontal	Pass
2	2812.000	44.19	-10.13	74.0	-29.81	Peak	228.00	150	Horizontal	Pass
2**	2812.000	34.64	-10.13	54.0	-19.36	AV	228.00	150	Horizontal	Pass
3	4898.400	52.27	-2.93	74.0	-21.73	Peak	360.00	150	Horizontal	Pass
3**	4898.400	42.68	-2.93	54.0	-11.32	AV	360.00	150	Horizontal	Pass
4	5695.600	107.18	-2.07	--	--	Peak	257.00	150	Horizontal	N/A
4**	5695.600	99.10	-2.07	--	--	AV	257.00	150	Horizontal	N/A
5	11431.812	52.57	-0.08	74.0	-21.43	Peak	97.00	150	Horizontal	Pass
5**	11431.812	43.01	-0.08	54.0	-10.99	AV	97.00	150	Horizontal	Pass
6	15506.513	56.61	1.33	74.0	-17.39	Peak	321.00	150	Horizontal	Pass
6**	15506.513	46.90	1.33	54.0	-7.10	AV	321.00	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	1311.500	45.68	-17.27	74.0	-28.32	Peak	84.00	150	Vertical	Pass
1**	1311.500	35.23	-17.27	54.0	-18.77	AV	84.00	150	Vertical	Pass
2	2814.500	43.88	-10.06	74.0	-30.12	Peak	276.00	150	Vertical	Pass
2**	2814.500	34.55	-10.06	54.0	-19.45	AV	276.00	150	Vertical	Pass
3	4845.000	52.08	-3.41	74.0	-21.92	Peak	360.00	150	Vertical	Pass
3**	4845.000	42.64	-3.41	54.0	-11.36	AV	360.00	150	Vertical	Pass
4	5702.400	103.54	-2.16	--	--	Peak	158.00	150	Vertical	N/A
4**	5702.400	95.72	-2.16	--	--	AV	158.00	150	Vertical	N/A
5	11721.326	53.27	0.80	74.0	-20.73	Peak	132.00	150	Vertical	Pass
5**	11721.326	42.76	0.80	54.0	-11.24	AV	132.00	150	Vertical	Pass
6	15845.401	56.42	1.37	74.0	-17.58	Peak	58.00	150	Vertical	Pass
6**	15845.401	47.68	1.37	54.0	-6.32	AV	58.00	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	1160.700	43.66	-18.04	74.0	-30.34	Peak	360.00	150	Horizontal	Pass
1**	1160.700	34.13	-18.04	54.0	-19.87	AV	360.00	150	Horizontal	Pass
2	2794.800	42.90	-10.55	74.0	-31.10	Peak	275.00	150	Horizontal	Pass
2**	2794.800	33.90	-10.55	54.0	-20.10	AV	275.00	150	Horizontal	Pass
3	4815.400	52.28	-3.08	74.0	-21.72	Peak	354.00	150	Horizontal	Pass
3**	4815.400	43.12	-3.08	54.0	-10.88	AV	354.00	150	Horizontal	Pass
4	5517.200	103.99	-2.54	--	--	Peak	242.00	150	Horizontal	N/A
4**	5517.200	95.33	-2.54	--	--	AV	242.00	150	Horizontal	N/A
5	11712.987	52.90	0.70	74.0	-21.10	Peak	168.00	150	Horizontal	Pass
5**	11712.987	43.10	0.70	54.0	-10.90	AV	168.00	150	Horizontal	Pass
6	15858.787	56.78	0.99	74.0	-17.22	Peak	245.00	150	Horizontal	Pass
6**	15858.787	47.77	0.99	54.0	-6.23	AV	245.00	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	1324.800	46.48	-17.48	74.0	-27.52	Peak	309.00	150	Vertical	Pass
1**	1324.800	35.31	-17.48	54.0	-18.69	AV	309.00	150	Vertical	Pass
2	2785.400	43.18	-10.49	74.0	-30.82	Peak	236.00	150	Vertical	Pass
2**	2785.400	34.59	-10.49	54.0	-19.41	AV	236.00	150	Vertical	Pass
3	4762.200	51.64	-3.31	74.0	-22.36	Peak	95.00	150	Vertical	Pass
3**	4762.200	42.08	-3.31	54.0	-11.92	AV	95.00	150	Vertical	Pass
4	5501.800	101.36	-2.20	--	--	Peak	158.00	150	Vertical	N/A
4**	5501.800	93.97	-2.20	--	--	AV	158.00	150	Vertical	N/A
5	11729.662	52.45	0.86	74.0	-21.55	Peak	23.00	150	Vertical	Pass
5**	11729.662	43.56	0.86	54.0	-10.44	AV	23.00	150	Vertical	Pass
6	16013.400	55.85	0.47	74.0	-18.15	Peak	97.00	150	Vertical	Pass
6**	16013.400	47.04	0.47	54.0	-6.96	AV	97.00	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	1152.200	43.21	-17.96	74.0	-30.79	Peak	349.00	150	Horizontal	Pass
1**	1152.200	34.70	-17.96	54.0	-19.30	AV	349.00	150	Horizontal	Pass
2	2777.400	43.50	-10.42	74.0	-30.50	Peak	93.00	150	Horizontal	Pass
2**	2777.400	34.65	-10.42	54.0	-19.35	AV	93.00	150	Horizontal	Pass
3	4799.400	52.14	-2.55	74.0	-21.86	Peak	95.00	150	Horizontal	Pass
3**	4799.400	43.19	-2.55	54.0	-10.81	AV	95.00	150	Horizontal	Pass
4	5582.600	103.67	-2.34	--	--	Peak	194.00	150	Horizontal	N/A
4**	5582.600	95.67	-2.34	--	--	AV	194.00	150	Horizontal	N/A
5	11671.012	52.35	0.24	74.0	-21.65	Peak	327.00	150	Horizontal	Pass
5**	11671.012	44.02	0.24	54.0	-9.98	AV	327.00	150	Horizontal	Pass
6	15677.400	55.33	1.56	74.0	-18.67	Peak	179.00	150	Horizontal	Pass
6**	15677.400	45.53	1.56	54.0	-8.47	AV	179.00	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	1311.800	45.15	-17.27	74.0	-28.85	Peak	276.00	150	Vertical	Pass
1**	1311.800	36.00	-17.27	54.0	-18.00	AV	276.00	150	Vertical	Pass
2	2805.100	42.94	-10.36	74.0	-31.06	Peak	245.00	150	Vertical	Pass
2**	2805.100	33.82	-10.36	54.0	-20.18	AV	245.00	150	Vertical	Pass
3	4815.000	51.55	-3.08	74.0	-22.45	Peak	110.00	150	Vertical	Pass
3**	4815.000	43.69	-3.08	54.0	-10.31	AV	110.00	150	Vertical	Pass
4	5594.800	101.01	-2.44	--	--	Peak	159.00	150	Vertical	N/A
4**	5594.800	92.67	-2.44	--	--	AV	159.00	150	Vertical	N/A
5	11558.313	52.81	-0.44	74.0	-21.19	Peak	240.00	150	Vertical	Pass
5**	11558.313	42.75	-0.44	54.0	-11.25	AV	240.00	150	Vertical	Pass
6	15842.250	56.14	1.41	74.0	-17.86	Peak	200.00	150	Vertical	Pass
6**	15842.250	47.22	1.41	54.0	-6.78	AV	200.00	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	1150.200	43.63	-17.98	74.0	-30.37	Peak	356.00	150	Horizontal	Pass
1**	1150.200	34.05	-17.98	54.0	-19.95	AV	356.00	150	Horizontal	Pass
2	2773.800	44.00	-10.48	74.0	-30.00	Peak	230.00	150	Horizontal	Pass
2**	2773.800	34.41	-10.48	54.0	-19.59	AV	230.00	150	Horizontal	Pass
3	4856.000	51.82	-3.28	74.0	-22.18	Peak	223.00	150	Horizontal	Pass
3**	4856.000	42.08	-3.28	54.0	-11.92	AV	223.00	150	Horizontal	Pass
4	5680.400	103.61	-2.11	--	--	Peak	248.00	150	Horizontal	N/A
4**	5680.400	95.97	-2.11	--	--	AV	248.00	150	Horizontal	N/A
5	11542.787	52.40	-0.56	74.0	-21.60	Peak	110.00	150	Horizontal	Pass
5**	11542.787	42.39	-0.56	54.0	-11.61	AV	110.00	150	Horizontal	Pass
6	15495.224	56.86	1.05	74.0	-17.14	Peak	263.00	150	Horizontal	Pass
6**	15495.224	46.23	1.05	54.0	-7.77	AV	263.00	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	1327.900	45.06	-17.49	74.0	-28.94	Peak	308.00	150	Vertical	Pass
1**	1327.900	35.88	-17.49	54.0	-18.12	AV	308.00	150	Vertical	Pass
2	2813.600	42.94	-10.02	74.0	-31.06	Peak	207.00	150	Vertical	Pass
2**	2813.600	33.77	-10.02	54.0	-20.23	AV	207.00	150	Vertical	Pass
3	4755.800	51.49	-3.37	74.0	-22.51	Peak	236.00	150	Vertical	Pass
3**	4755.800	42.44	-3.37	54.0	-11.56	AV	236.00	150	Vertical	Pass
4	5664.200	101.42	-2.35	--	--	Peak	147.00	150	Vertical	N/A
4**	5664.200	93.46	-2.35	--	--	AV	147.00	150	Vertical	N/A
5	11660.662	53.15	0.13	74.0	-20.85	Peak	39.00	150	Vertical	Pass
5**	11660.662	43.42	0.13	54.0	-10.58	AV	39.00	150	Vertical	Pass
6	15796.575	56.15	2.22	74.0	-17.85	Peak	360.00	150	Vertical	Pass
6**	15796.575	46.39	2.22	54.0	-7.61	AV	360.00	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	1145.700	43.26	-18.21	74.0	-30.74	Peak	348.00	150	Horizontal	Pass
1**	1145.700	33.91	-18.21	54.0	-20.09	AV	348.00	150	Horizontal	Pass
2	2789.200	43.02	-10.58	74.0	-30.98	Peak	25.00	150	Horizontal	Pass
2**	2789.200	34.87	-10.58	54.0	-19.13	AV	25.00	150	Horizontal	Pass
3	4778.800	51.79	-2.92	74.0	-22.21	Peak	351.00	150	Horizontal	Pass
3**	4778.800	42.10	-2.92	54.0	-11.90	AV	351.00	150	Horizontal	Pass
4	5502.800	107.49	-2.22	--	--	Peak	199.00	150	Horizontal	N/A
4**	5502.800	100.61	-2.22	--	--	AV	199.00	150	Horizontal	N/A
5	11629.325	52.96	-0.19	74.0	-21.04	Peak	328.00	150	Horizontal	Pass
5**	11629.325	43.32	-0.19	54.0	-10.68	AV	328.00	150	Horizontal	Pass
6	15503.625	55.26	1.25	74.0	-18.74	Peak	262.00	150	Horizontal	Pass
6**	15503.625	46.17	1.25	54.0	-7.83	AV	262.00	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	1310.000	45.97	-17.30	74.0	-28.03	Peak	287.00	150	Vertical	Pass
1**	1310.000	35.84	-17.30	54.0	-18.16	AV	287.00	150	Vertical	Pass
2	2810.800	42.48	-10.20	74.0	-31.52	Peak	231.00	150	Vertical	Pass
2**	2810.800	34.47	-10.20	54.0	-19.53	AV	231.00	150	Vertical	Pass
3	4800.600	51.14	-2.56	74.0	-22.86	Peak	294.00	150	Vertical	Pass
3**	4800.600	42.96	-2.56	54.0	-11.04	AV	294.00	150	Vertical	Pass
4	5502.400	104.77	-2.21	--	--	Peak	157.00	150	Vertical	N/A
4**	5502.400	96.89	-2.21	--	--	AV	157.00	150	Vertical	N/A
5	11858.175	52.87	1.04	74.0	-21.13	Peak	0.00	150	Vertical	Pass
5**	11858.175	42.79	1.04	54.0	-11.21	AV	0.00	150	Vertical	Pass
6	15856.425	56.35	1.12	74.0	-17.65	Peak	41.00	150	Vertical	Pass
6**	15856.425	47.10	1.12	54.0	-6.90	AV	41.00	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	1153.400	43.80	-18.02	74.0	-30.20	Peak	360.00	150	Horizontal	Pass
1**	1153.400	34.09	-18.02	54.0	-19.91	AV	360.00	150	Horizontal	Pass
2	2771.800	43.22	-10.49	74.0	-30.78	Peak	340.00	150	Horizontal	Pass
2**	2771.800	34.08	-10.49	54.0	-19.92	AV	340.00	150	Horizontal	Pass
3	4796.800	52.01	-2.66	74.0	-21.99	Peak	21.00	150	Horizontal	Pass
3**	4796.800	42.99	-2.66	54.0	-11.01	AV	21.00	150	Horizontal	Pass
4	5578.000	106.90	-2.14	--	--	Peak	199.00	150	Horizontal	N/A
4**	5578.000	98.86	-2.14	--	--	AV	199.00	150	Horizontal	N/A
5	11773.075	52.56	1.28	74.0	-21.44	Peak	73.00	150	Horizontal	Pass
5**	11773.075	43.25	1.28	54.0	-10.75	AV	73.00	150	Horizontal	Pass
6	15636.450	56.42	1.49	74.0	-17.58	Peak	99.00	150	Horizontal	Pass
6**	15636.450	45.97	1.49	54.0	-8.03	AV	99.00	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	1322.800	45.49	-17.50	74.0	-28.51	Peak	307.00	150	Vertical	Pass
1**	1322.800	36.53	-17.50	54.0	-17.47	AV	307.00	150	Vertical	Pass
2	2779.700	42.92	-10.43	74.0	-31.08	Peak	225.00	150	Vertical	Pass
2**	2779.700	34.34	-10.43	54.0	-19.66	AV	225.00	150	Vertical	Pass
3	4784.400	51.50	-2.87	74.0	-22.50	Peak	101.00	150	Vertical	Pass
3**	4784.400	41.72	-2.87	54.0	-12.28	AV	101.00	150	Vertical	Pass
4	5576.800	103.57	-2.20	--	--	Peak	162.00	150	Vertical	N/A
4**	5576.800	95.77	-2.20	--	--	AV	162.00	150	Vertical	N/A
5	11717.588	52.36	0.77	74.0	-21.64	Peak	272.00	150	Vertical	Pass
5**	11717.588	43.10	0.77	54.0	-10.90	AV	272.00	150	Vertical	Pass
6	16080.862	57.04	1.62	74.0	-16.96	Peak	180.00	150	Vertical	Pass
6**	16080.862	46.91	1.62	54.0	-7.09	AV	180.00	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	1151.700	43.87	-17.95	74.0	-30.13	Peak	340.00	150	Horizontal	Pass
1**	1151.700	34.60	-17.95	54.0	-19.40	AV	340.00	150	Horizontal	Pass
2	2810.400	43.69	-10.22	74.0	-30.31	Peak	169.00	150	Horizontal	Pass
2**	2810.400	34.19	-10.22	54.0	-19.81	AV	169.00	150	Horizontal	Pass
3	4904.800	51.96	-2.57	74.0	-22.04	Peak	360.00	150	Horizontal	Pass
3**	4904.800	43.16	-2.57	54.0	-10.84	AV	360.00	150	Horizontal	Pass
4	5700.600	106.36	-2.07	--	--	Peak	253.00	150	Horizontal	N/A
4**	5700.600	98.50	-2.07	--	--	AV	253.00	150	Horizontal	N/A
5	11743.175	52.89	0.82	74.0	-21.11	Peak	17.00	150	Horizontal	Pass
5**	11743.175	42.55	0.82	54.0	-11.45	AV	17.00	150	Horizontal	Pass
6	15834.112	56.68	1.46	74.0	-17.32	Peak	57.00	150	Horizontal	Pass
6**	15834.112	46.83	1.46	54.0	-7.17	AV	57.00	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	1320.100	46.77	-17.52	74.0	-27.23	Peak	304.00	150	Vertical	Pass
1**	1320.100	37.08	-17.52	54.0	-16.92	AV	304.00	150	Vertical	Pass
2	2803.500	43.00	-10.41	74.0	-31.00	Peak	171.00	150	Vertical	Pass
2**	2803.500	33.70	-10.41	54.0	-20.30	AV	171.00	150	Vertical	Pass
3	4916.800	51.99	-2.27	74.0	-22.01	Peak	10.00	150	Vertical	Pass
3**	4916.800	43.31	-2.27	54.0	-10.69	AV	10.00	150	Vertical	Pass
4	5695.400	103.89	-2.07	--	--	Peak	150.00	150	Vertical	N/A
4**	5695.400	96.14	-2.07	--	--	AV	150.00	150	Vertical	N/A
5	11643.125	52.60	-0.22	74.0	-21.40	Peak	235.00	150	Vertical	Pass
5**	11643.125	43.56	-0.22	54.0	-10.44	AV	235.00	150	Vertical	Pass
6	15615.450	56.42	1.50	74.0	-17.58	Peak	250.00	150	Vertical	Pass
6**	15615.450	46.31	1.50	54.0	-7.69	AV	250.00	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	1138.800	43.70	-18.33	74.0	-30.30	Peak	356.00	150	Horizontal	Pass
1**	1138.800	35.14	-18.33	54.0	-18.86	AV	356.00	150	Horizontal	Pass
2	2843.600	43.89	-10.29	74.0	-30.11	Peak	62.00	150	Horizontal	Pass
2**	2843.600	34.94	-10.29	54.0	-19.06	AV	62.00	150	Horizontal	Pass
3	4811.600	52.01	-3.02	74.0	-21.99	Peak	289.00	150	Horizontal	Pass
3**	4811.600	42.96	-3.02	54.0	-11.04	AV	289.00	150	Horizontal	Pass
4	5516.400	104.12	-2.55	--	--	Peak	200.00	150	Horizontal	N/A
4**	5516.400	95.93	-2.55	--	--	AV	200.00	150	Horizontal	N/A
5	11325.725	52.96	0.50	74.0	-21.04	Peak	203.00	150	Horizontal	Pass
5**	11325.725	44.10	0.50	54.0	-9.90	AV	203.00	150	Horizontal	Pass
6	15815.737	56.31	2.03	74.0	-17.69	Peak	242.00	150	Horizontal	Pass
6**	15815.737	47.19	2.03	54.0	-6.81	AV	242.00	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	1307.700	45.67	-17.34	74.0	-28.33	Peak	282.00	150	Vertical	Pass
1**	1307.700	38.40	-17.34	54.0	-15.60	AV	282.00	150	Vertical	Pass
2	2792.300	42.87	-10.72	74.0	-31.13	Peak	360.00	150	Vertical	Pass
2**	2792.300	34.21	-10.72	54.0	-19.79	AV	360.00	150	Vertical	Pass
3	4902.000	51.99	-2.72	74.0	-22.01	Peak	59.00	150	Vertical	Pass
3**	4902.000	43.45	-2.72	54.0	-10.55	AV	59.00	150	Vertical	Pass
4	5516.600	101.99	-2.56	--	--	Peak	161.00	150	Vertical	N/A
4**	5516.600	93.05	-2.56	--	--	AV	161.00	150	Vertical	N/A
5	11946.724	52.74	1.49	74.0	-21.26	Peak	95.00	150	Vertical	Pass
5**	11946.724	43.43	1.49	54.0	-10.57	AV	95.00	150	Vertical	Pass
6	15842.250	56.31	1.41	74.0	-17.69	Peak	128.00	150	Vertical	Pass
6**	15842.250	47.00	1.41	54.0	-7.00	AV	128.00	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	1148.500	44.75	-18.10	74.0	-29.25	Peak	355.00	150	Horizontal	Pass
1**	1148.500	35.58	-18.10	54.0	-18.42	AV	355.00	150	Horizontal	Pass
2	2813.100	42.78	-10.05	74.0	-31.22	Peak	331.00	150	Horizontal	Pass
2**	2813.100	34.17	-10.05	54.0	-19.83	AV	331.00	150	Horizontal	Pass
3	4845.600	51.64	-3.40	74.0	-22.36	Peak	343.00	150	Horizontal	Pass
3**	4845.600	42.28	-3.40	54.0	-11.72	AV	343.00	150	Horizontal	Pass
4	5586.400	103.91	-2.29	--	--	Peak	202.00	150	Horizontal	N/A
4**	5586.400	95.77	-2.29	--	--	AV	202.00	150	Horizontal	N/A
5	11828.563	52.22	1.18	74.0	-21.78	Peak	184.00	150	Horizontal	Pass
5**	11828.563	42.91	1.18	54.0	-11.09	AV	184.00	150	Horizontal	Pass
6	15871.651	55.04	0.54	74.0	-18.96	Peak	329.00	150	Horizontal	Pass
6**	15871.651	46.48	0.54	54.0	-7.52	AV	329.00	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	1322.000	45.05	-17.52	74.0	-28.95	Peak	314.00	150	Vertical	Pass
1**	1322.000	36.77	-17.52	54.0	-17.23	AV	314.00	150	Vertical	Pass
2	2823.900	43.01	-10.31	74.0	-30.99	Peak	356.00	150	Vertical	Pass
2**	2823.900	33.77	-10.31	54.0	-20.23	AV	356.00	150	Vertical	Pass
3	4897.600	51.77	-2.94	74.0	-22.23	Peak	282.00	150	Vertical	Pass
3**	4897.600	43.11	-2.94	54.0	-10.89	AV	282.00	150	Vertical	Pass
4	5579.400	101.28	-2.19	--	--	Peak	153.00	150	Vertical	N/A
4**	5579.400	92.88	-2.19	--	--	AV	153.00	150	Vertical	N/A
5	11602.588	51.78	-0.03	74.0	-22.22	Peak	360.00	150	Vertical	Pass
5**	11602.588	43.36	-0.03	54.0	-10.64	AV	360.00	150	Vertical	Pass
6	15655.875	55.43	1.20	74.0	-18.57	Peak	263.00	150	Vertical	Pass
6**	15655.875	46.21	1.20	54.0	-7.79	AV	263.00	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	1147.300	44.53	-18.17	74.0	-29.47	Peak	360.00	150	Horizontal	Pass
1**	1147.300	33.88	-18.17	54.0	-20.12	AV	360.00	150	Horizontal	Pass
2	2767.000	44.21	-10.76	74.0	-29.79	Peak	307.00	150	Horizontal	Pass
2**	2767.000	33.83	-10.76	54.0	-20.17	AV	307.00	150	Horizontal	Pass
3	4795.000	52.31	-2.62	74.0	-21.69	Peak	180.00	150	Horizontal	Pass
3**	4795.000	42.94	-2.62	54.0	-11.06	AV	180.00	150	Horizontal	Pass
4	5672.400	103.31	-2.35	--	--	Peak	265.00	150	Horizontal	N/A
4**	5672.400	95.92	-2.35	--	--	AV	265.00	150	Horizontal	N/A
5	11935.799	53.58	1.69	74.0	-20.42	Peak	327.00	150	Horizontal	Pass
5**	11935.799	44.29	1.69	54.0	-9.71	AV	327.00	150	Horizontal	Pass
6	15785.550	55.62	1.83	74.0	-18.38	Peak	80.00	150	Horizontal	Pass
6**	15785.550	45.81	1.83	54.0	-8.19	AV	80.00	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	1332.800	44.87	-17.43	74.0	-29.13	Peak	300.00	150	Vertical	Pass
1**	1332.800	34.79	-17.43	54.0	-19.21	AV	300.00	150	Vertical	Pass
2	2811.800	44.18	-10.14	74.0	-29.82	Peak	52.00	150	Vertical	Pass
2**	2811.800	33.75	-10.14	54.0	-20.25	AV	52.00	150	Vertical	Pass
3	4893.600	52.12	-3.21	74.0	-21.88	Peak	113.00	150	Vertical	Pass
3**	4893.600	43.05	-3.21	54.0	-10.95	AV	113.00	150	Vertical	Pass
4	5659.200	101.03	-2.43	--	--	Peak	152.00	150	Vertical	N/A
4**	5659.200	92.93	-2.43	--	--	AV	152.00	150	Vertical	N/A
5	11674.750	52.36	0.26	74.0	-21.64	Peak	344.00	150	Vertical	Pass
5**	11674.750	43.29	0.26	54.0	-10.71	AV	344.00	150	Vertical	Pass
6	15834.375	56.29	1.46	74.0	-17.71	Peak	38.00	150	Vertical	Pass
6**	15834.375	47.33	1.46	54.0	-6.67	AV	38.00	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	1152.800	44.06	-17.99	74.0	-29.94	Peak	348.00	150	Horizontal	Pass
1**	1152.800	34.15	-17.99	54.0	-19.85	AV	348.00	150	Horizontal	Pass
2	2811.400	43.23	-10.16	74.0	-30.77	Peak	243.00	150	Horizontal	Pass
2**	2811.400	33.70	-10.16	54.0	-20.30	AV	243.00	150	Horizontal	Pass
3	4904.200	52.37	-2.59	74.0	-21.63	Peak	128.00	150	Horizontal	Pass
3**	4904.200	43.12	-2.59	54.0	-10.88	AV	128.00	150	Horizontal	Pass
4	5542.800	100.73	-1.94	--	--	Peak	206.00	150	Horizontal	N/A
4**	5542.800	92.70	-1.94	--	--	AV	206.00	150	Horizontal	N/A
5	11573.550	52.16	-0.40	74.0	-21.84	Peak	176.00	150	Horizontal	Pass
5**	11573.550	43.38	-0.40	54.0	-10.62	AV	176.00	150	Horizontal	Pass
6	15845.401	55.87	1.37	74.0	-18.13	Peak	288.00	150	Horizontal	Pass
6**	15845.401	46.84	1.37	54.0	-7.16	AV	288.00	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	1306.800	45.64	-17.36	74.0	-28.36	Peak	282.00	150	Vertical	Pass
1**	1306.800	37.31	-17.36	54.0	-16.69	AV	282.00	150	Vertical	Pass
2	2751.300	42.62	-10.81	74.0	-31.38	Peak	348.00	150	Vertical	Pass
2**	2751.300	33.74	-10.81	54.0	-20.26	AV	348.00	150	Vertical	Pass
3	4795.600	51.56	-2.66	74.0	-22.44	Peak	148.00	150	Vertical	Pass
3**	4795.600	42.21	-2.66	54.0	-11.79	AV	148.00	150	Vertical	Pass
4	5538.800	98.62	-2.06	--	--	Peak	161.00	150	Vertical	N/A
4**	5538.800	90.34	-2.06	--	--	AV	161.00	150	Vertical	N/A
5	11602.300	52.74	-0.04	74.0	-21.26	Peak	53.00	150	Vertical	Pass
5**	11602.300	42.84	-0.04	54.0	-11.16	AV	53.00	150	Vertical	Pass
6	15556.125	56.43	0.94	74.0	-17.57	Peak	83.00	150	Vertical	Pass
6**	15556.125	45.15	0.94	54.0	-8.85	AV	83.00	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	1144.700	43.46	-18.24	74.0	-30.54	Peak	360.00	150	Horizontal	Pass
1**	1144.700	35.75	-18.24	54.0	-18.25	AV	360.00	150	Horizontal	Pass
2	2770.300	43.55	-10.55	74.0	-30.45	Peak	103.00	150	Horizontal	Pass
2**	2770.300	34.38	-10.55	54.0	-19.62	AV	103.00	150	Horizontal	Pass
3	4807.800	51.30	-2.98	74.0	-22.70	Peak	49.00	150	Horizontal	Pass
3**	4807.800	42.05	-2.98	54.0	-11.95	AV	49.00	150	Horizontal	Pass
4	5587.200	100.77	-2.28	--	--	Peak	208.00	150	Horizontal	N/A
4**	5587.200	93.38	-2.28	--	--	AV	208.00	150	Horizontal	N/A
5	11436.412	52.29	-0.08	74.0	-21.71	Peak	227.00	150	Horizontal	Pass
5**	11436.412	42.43	-0.08	54.0	-11.57	AV	227.00	150	Horizontal	Pass
6	15843.562	56.28	1.39	74.0	-17.72	Peak	351.00	150	Horizontal	Pass
6**	15843.562	48.14	1.39	54.0	-5.86	AV	351.00	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	1324.300	46.23	-17.46	74.0	-27.77	Peak	307.00	150	Vertical	Pass
1**	1324.300	35.76	-17.46	54.0	-18.24	AV	307.00	150	Vertical	Pass
2	2745.300	43.04	-10.87	74.0	-30.96	Peak	324.00	150	Vertical	Pass
2**	2745.300	34.61	-10.87	54.0	-19.39	AV	324.00	150	Vertical	Pass
3	4802.600	51.94	-2.63	74.0	-22.06	Peak	282.00	150	Vertical	Pass
3**	4802.600	43.32	-2.63	54.0	-10.68	AV	282.00	150	Vertical	Pass
4	5597.600	98.19	-2.56	--	--	Peak	153.00	150	Vertical	N/A
4**	5597.600	89.70	-2.56	--	--	AV	153.00	150	Vertical	N/A
5	11322.276	53.53	0.53	74.0	-20.47	Peak	0.00	150	Vertical	Pass
5**	11322.276	43.10	0.53	54.0	-10.90	AV	0.00	150	Vertical	Pass
6	15845.137	55.66	1.37	74.0	-18.34	Peak	0.00	150	Vertical	Pass
6**	15845.137	47.60	1.37	54.0	-6.40	AV	0.00	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	1162.200	43.11	-18.02	74.0	-30.89	Peak	360.00	150	Horizontal	Pass
1**	1162.200	33.61	-18.02	54.0	-20.39	AV	360.00	150	Horizontal	Pass
2	2811.400	43.17	-10.16	74.0	-30.83	Peak	255.00	150	Horizontal	Pass
2**	2811.400	34.39	-10.16	54.0	-19.61	AV	255.00	150	Horizontal	Pass
3	4897.200	51.82	-2.94	74.0	-22.18	Peak	0.00	150	Horizontal	Pass
3**	4897.200	42.53	-2.94	54.0	-11.47	AV	0.00	150	Horizontal	Pass
4	5748.400	106.26	-2.16	--	--	Peak	205.00	150	Horizontal	N/A
4**	5748.400	98.70	-2.16	--	--	AV	205.00	150	Horizontal	N/A
5	11466.888	52.98	-0.16	74.0	-21.02	Peak	125.00	150	Horizontal	Pass
5**	11466.888	42.67	-0.16	54.0	-11.33	AV	125.00	150	Horizontal	Pass
6	15850.651	55.91	1.31	74.0	-18.09	Peak	297.00	150	Horizontal	Pass
6**	15850.651	47.80	1.31	54.0	-6.20	AV	297.00	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	1305.700	45.21	-17.37	74.0	-28.79	Peak	85.00	150	Vertical	Pass
1**	1305.700	37.20	-17.37	54.0	-16.80	AV	85.00	150	Vertical	Pass
2	2820.700	44.33	-10.21	74.0	-29.67	Peak	102.00	150	Vertical	Pass
2**	2820.700	34.03	-10.21	54.0	-19.97	AV	102.00	150	Vertical	Pass
3	4917.600	52.72	-2.25	74.0	-21.28	Peak	24.00	150	Vertical	Pass
3**	4917.600	42.58	-2.25	54.0	-11.42	AV	24.00	150	Vertical	Pass
4	5748.600	104.03	-2.16	--	--	Peak	152.00	150	Vertical	N/A
4**	5748.600	95.88	-2.16	--	--	AV	152.00	150	Vertical	N/A
5	11641.687	52.52	-0.23	74.0	-21.48	Peak	138.00	150	Vertical	Pass
5**	11641.687	43.54	-0.23	54.0	-10.46	AV	138.00	150	Vertical	Pass
6	15829.913	56.08	1.50	74.0	-17.92	Peak	80.00	150	Vertical	Pass
6**	15829.913	46.99	1.50	54.0	-7.01	AV	80.00	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	1156.300	44.17	-18.08	74.0	-29.83	Peak	360.00	150	Horizontal	Pass
1**	1156.300	34.92	-18.08	54.0	-19.08	AV	360.00	150	Horizontal	Pass
2	2789.900	42.95	-10.59	74.0	-31.05	Peak	323.00	150	Horizontal	Pass
2**	2789.900	33.92	-10.59	54.0	-20.08	AV	323.00	150	Horizontal	Pass
3	4937.000	52.05	-2.98	74.0	-21.95	Peak	180.00	150	Horizontal	Pass
3**	4937.000	42.55	-2.98	54.0	-11.45	AV	180.00	150	Horizontal	Pass
4	5788.400	106.58	-2.46	--	--	Peak	259.00	150	Horizontal	N/A
4**	5788.400	98.50	-2.46	--	--	AV	259.00	150	Horizontal	N/A
5	11729.950	52.72	0.86	74.0	-21.28	Peak	309.00	150	Horizontal	Pass
5**	11729.950	43.22	0.86	54.0	-10.78	AV	309.00	150	Horizontal	Pass
6	15622.537	57.08	1.68	74.0	-16.92	Peak	282.00	150	Horizontal	Pass
6**	15622.537	46.92	1.68	54.0	-7.08	AV	282.00	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	1308.200	45.59	-17.33	74.0	-28.41	Peak	290.00	150	Vertical	Pass
1**	1308.200	36.96	-17.33	54.0	-17.04	AV	290.00	150	Vertical	Pass
2	2810.200	43.17	-10.23	74.0	-30.83	Peak	51.00	150	Vertical	Pass
2**	2810.200	34.40	-10.23	54.0	-19.60	AV	51.00	150	Vertical	Pass
3	4798.000	51.92	-2.57	74.0	-22.08	Peak	141.00	150	Vertical	Pass
3**	4798.000	42.49	-2.57	54.0	-11.51	AV	141.00	150	Vertical	Pass
4	5787.800	102.36	-2.46	--	--	Peak	141.00	150	Vertical	N/A
4**	5787.800	94.36	-2.46	--	--	AV	141.00	150	Vertical	N/A
5	11664.975	52.17	0.17	74.0	-21.83	Peak	325.00	150	Vertical	Pass
5**	11664.975	43.46	0.17	54.0	-10.54	AV	325.00	150	Vertical	Pass
6	16040.438	55.66	0.79	74.0	-18.34	Peak	18.00	150	Vertical	Pass
6**	16040.438	46.49	0.79	54.0	-7.51	AV	18.00	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	1163.000	43.73	-18.03	74.0	-30.27	Peak	0.00	150	Horizontal	Pass
1**	1163.000	34.26	-18.03	54.0	-19.74	AV	0.00	150	Horizontal	Pass
2	2710.900	44.83	-11.26	74.0	-29.17	Peak	360.00	150	Horizontal	Pass
2**	2710.900	33.64	-11.26	54.0	-20.36	AV	360.00	150	Horizontal	Pass
3	4899.800	52.43	-2.86	74.0	-21.57	Peak	101.00	150	Horizontal	Pass
3**	4899.800	43.26	-2.86	54.0	-10.74	AV	101.00	150	Horizontal	Pass
4	5821.600	106.06	-2.50	--	--	Peak	251.00	150	Horizontal	N/A
4**	5821.600	97.65	-2.50	--	--	AV	251.00	150	Horizontal	N/A
5	11467.175	52.33	-0.16	74.0	-21.67	Peak	74.00	150	Horizontal	Pass
5**	11467.175	42.98	-0.16	54.0	-11.02	AV	74.00	150	Horizontal	Pass
6	15873.225	55.67	0.47	74.0	-18.33	Peak	42.00	150	Horizontal	Pass
6**	15873.225	46.34	0.47	54.0	-7.66	AV	42.00	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	1316.900	44.50	-17.39	74.0	-29.50	Peak	302.00	150	Vertical	Pass
1**	1316.900	35.64	-17.39	54.0	-18.36	AV	302.00	150	Vertical	Pass
2	2799.500	42.78	-10.56	74.0	-31.22	Peak	0.00	150	Vertical	Pass
2**	2799.500	33.52	-10.56	54.0	-20.48	AV	0.00	150	Vertical	Pass
3	4800.600	51.87	-2.56	74.0	-22.13	Peak	229.00	150	Vertical	Pass
3**	4800.600	43.38	-2.56	54.0	-10.62	AV	229.00	150	Vertical	Pass
4	5828.600	101.39	-2.25	--	--	Peak	137.00	150	Vertical	N/A
4**	5828.600	92.85	-2.25	--	--	AV	137.00	150	Vertical	N/A
5	11651.174	53.29	-0.13	74.0	-20.71	Peak	152.00	150	Vertical	Pass
5**	11651.174	43.09	-0.13	54.0	-10.91	AV	152.00	150	Vertical	Pass
6	15625.950	55.80	1.72	74.0	-18.20	Peak	86.00	150	Vertical	Pass
6**	15625.950	46.22	1.72	54.0	-7.78	AV	86.00	150	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	1149.700	43.81	-18.00	74.0	-30.19	Peak	346.00	150	Horizontal	Pass
1**	1149.700	34.80	-18.00	54.0	-19.20	AV	346.00	150	Horizontal	Pass
2	2814.300	43.31	-10.05	74.0	-30.69	Peak	38.00	150	Horizontal	Pass
2**	2814.300	34.17	-10.05	54.0	-19.83	AV	38.00	150	Horizontal	Pass
3	4777.800	51.93	-3.02	74.0	-22.07	Peak	263.00	150	Horizontal	Pass
3**	4777.800	42.00	-3.02	54.0	-12.00	AV	263.00	150	Horizontal	Pass
4	5740.600	105.15	-2.31	--	--	Peak	263.00	150	Horizontal	N/A
4**	5740.600	97.61	-2.31	--	--	AV	263.00	150	Horizontal	N/A
5	11403.924	52.54	-0.24	74.0	-21.46	Peak	196.00	150	Horizontal	Pass
5**	11403.924	42.20	-0.24	54.0	-11.80	AV	196.00	150	Horizontal	Pass
6	15858.525	56.06	1.01	74.0	-17.94	Peak	202.00	150	Horizontal	Pass
6**	15858.525	46.48	1.01	54.0	-7.52	AV	202.00	150	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	1313.500	45.26	-17.26	74.0	-28.74	Peak	277.00	150	Vertical	Pass
1**	1313.500	35.37	-17.26	54.0	-18.63	AV	277.00	150	Vertical	Pass
2	2816.800	43.22	-10.18	74.0	-30.78	Peak	199.00	150	Vertical	Pass
2**	2816.800	34.22	-10.18	54.0	-19.78	AV	199.00	150	Vertical	Pass
3	4815.800	52.56	-3.12	74.0	-21.44	Peak	359.00	150	Vertical	Pass
3**	4815.800	42.91	-3.12	54.0	-11.09	AV	359.00	150	Vertical	Pass
4	5741.600	103.21	-2.26	--	--	Peak	153.00	150	Vertical	N/A
4**	5741.600	95.65	-2.26	--	--	AV	153.00	150	Vertical	N/A
5	11604.888	52.85	0.00	74.0	-21.15	Peak	18.00	150	Vertical	Pass
5**	11604.888	43.22	0.00	54.0	-10.78	AV	18.00	150	Vertical	Pass
6	15643.275	56.48	1.28	74.0	-17.52	Peak	360.00	150	Vertical	Pass
6**	15643.275	47.09	1.28	54.0	-6.91	AV	360.00	150	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	1156.900	43.38	-18.10	74.0	-30.62	Peak	360.00	150	Horizontal	Pass
1**	1156.900	35.27	-18.10	54.0	-18.73	AV	360.00	150	Horizontal	Pass
2	2812.000	43.27	-10.13	74.0	-30.73	Peak	0.00	150	Horizontal	Pass
2**	2812.000	34.57	-10.13	54.0	-19.43	AV	0.00	150	Horizontal	Pass
3	4813.800	52.49	-3.07	74.0	-21.51	Peak	117.00	150	Horizontal	Pass
3**	4813.800	42.61	-3.07	54.0	-11.39	AV	117.00	150	Horizontal	Pass
4	5782.800	105.59	-2.20	--	--	Peak	250.00	150	Horizontal	N/A
4**	5782.800	97.66	-2.20	--	--	AV	250.00	150	Horizontal	N/A
5	11661.237	52.94	0.13	74.0	-21.06	Peak	0.00	150	Horizontal	Pass
5**	11661.237	43.40	0.13	54.0	-10.60	AV	0.00	150	Horizontal	Pass
6	15754.050	55.67	0.90	74.0	-18.33	Peak	343.00	150	Horizontal	Pass
6**	15754.050	45.88	0.90	54.0	-8.12	AV	343.00	150	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	1171.900	42.02	-18.19	74.0	-31.98	Peak	224.00	150	Vertical	Pass
1**	1171.900	32.45	-18.19	54.0	-21.55	AV	224.00	150	Vertical	Pass
2	2789.300	43.49	-10.58	74.0	-30.51	Peak	309.00	150	Vertical	Pass
2**	2789.300	33.83	-10.58	54.0	-20.17	AV	309.00	150	Vertical	Pass
3	4845.600	52.34	-3.40	74.0	-21.66	Peak	263.00	150	Vertical	Pass
3**	4845.600	42.87	-3.40	54.0	-11.13	AV	263.00	150	Vertical	Pass
4	5787.400	101.47	-2.46	--	--	Peak	143.00	150	Vertical	N/A
4**	5787.400	93.96	-2.46	--	--	AV	143.00	150	Vertical	N/A
5	11666.413	52.57	0.19	74.0	-21.43	Peak	96.00	150	Vertical	Pass
5**	11666.413	43.76	0.19	54.0	-10.24	AV	96.00	150	Vertical	Pass
6	16005.000	56.04	0.33	74.0	-17.96	Peak	360.00	150	Vertical	Pass
6**	16005.000	46.77	0.33	54.0	-7.23	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1146.300	43.66	-18.19	74.0	-30.34	Peak	0.00	150	Horizontal	Pass
1**	1146.300	34.30	-18.19	54.0	-19.70	AV	0.00	150	Horizontal	Pass
2	2736.300	44.11	-10.98	74.0	-29.89	Peak	192.00	150	Horizontal	Pass
2**	2736.300	35.21	-10.98	54.0	-18.79	AV	192.00	150	Horizontal	Pass
3	5027.200	52.76	-3.12	74.0	-21.24	Peak	48.00	150	Horizontal	Pass
3**	5027.200	42.67	-3.12	54.0	-11.33	AV	48.00	150	Horizontal	Pass
4	5822.600	105.75	-2.42	--	--	Peak	253.00	150	Horizontal	N/A
4**	5822.600	97.92	-2.42	--	--	AV	253.00	150	Horizontal	N/A
5	12302.363	53.59	1.43	74.0	-20.41	Peak	71.00	150	Horizontal	Pass
5**	12302.363	43.91	1.43	54.0	-10.09	AV	71.00	150	Horizontal	Pass
6	16084.013	56.32	1.55	74.0	-17.68	Peak	146.00	150	Horizontal	Pass
6**	16084.013	47.17	1.55	54.0	-6.83	AV	146.00	150	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	1328.600	44.75	-17.46	74.0	-29.25	Peak	299.00	150	Vertical	Pass
1**	1328.600	35.10	-17.46	54.0	-18.90	AV	299.00	150	Vertical	Pass
2	2798.600	43.38	-10.58	74.0	-30.62	Peak	194.00	150	Vertical	Pass
2**	2798.600	33.40	-10.58	54.0	-20.60	AV	194.00	150	Vertical	Pass
3	4965.600	52.37	-3.16	74.0	-21.63	Peak	92.00	150	Vertical	Pass
3**	4965.600	42.35	-3.16	54.0	-11.65	AV	92.00	150	Vertical	Pass
4	5829.000	100.58	-2.22	--	--	Peak	148.00	150	Vertical	N/A
4**	5829.000	93.40	-2.22	--	--	AV	148.00	150	Vertical	N/A
5	11716.725	53.34	0.76	74.0	-20.66	Peak	172.00	150	Vertical	Pass
5**	11716.725	43.05	0.76	54.0	-10.95	AV	172.00	150	Vertical	Pass
6	15831.750	55.78	1.48	74.0	-18.22	Peak	122.00	150	Vertical	Pass
6**	15831.750	46.95	1.48	54.0	-7.05	AV	122.00	150	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	1152.000	44.46	-17.95	74.0	-29.54	Peak	344.00	150	Horizontal	Pass
1**	1152.000	34.16	-17.95	54.0	-19.84	AV	344.00	150	Horizontal	Pass
2	2836.300	43.43	-10.39	74.0	-30.57	Peak	214.00	150	Horizontal	Pass
2**	2836.300	33.90	-10.39	54.0	-20.10	AV	214.00	150	Horizontal	Pass
3	4875.000	51.96	-3.39	74.0	-22.04	Peak	119.00	150	Horizontal	Pass
3**	4875.000	42.10	-3.39	54.0	-11.90	AV	119.00	150	Horizontal	Pass
4	5766.000	104.16	-1.86	--	--	Peak	253.00	150	Horizontal	N/A
4**	5766.000	95.05	-1.86	--	--	AV	253.00	150	Horizontal	N/A
5	11710.975	52.80	0.65	74.0	-21.20	Peak	327.00	150	Horizontal	Pass
5**	11710.975	43.44	0.65	54.0	-10.56	AV	327.00	150	Horizontal	Pass
6	15846.713	56.27	1.36	74.0	-17.73	Peak	330.00	150	Horizontal	Pass
6**	15846.713	47.60	1.36	54.0	-6.40	AV	330.00	150	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	1310.000	45.76	-17.30	74.0	-28.24	Peak	89.00	150	Vertical	Pass
1**	1310.000	36.51	-17.30	54.0	-17.49	AV	89.00	150	Vertical	Pass
2	2808.700	43.38	-10.29	74.0	-30.62	Peak	37.00	150	Vertical	Pass
2**	2808.700	34.34	-10.29	54.0	-19.66	AV	37.00	150	Vertical	Pass
3	4782.800	51.87	-2.94	74.0	-22.13	Peak	276.00	150	Vertical	Pass
3**	4782.800	41.82	-2.94	54.0	-12.18	AV	276.00	150	Vertical	Pass
4	5743.400	99.63	-2.28	--	--	Peak	154.00	150	Vertical	N/A
4**	5743.400	91.48	-2.28	--	--	AV	154.00	150	Vertical	N/A
5	11632.775	53.06	-0.21	74.0	-20.94	Peak	72.00	150	Vertical	Pass
5**	11632.775	43.36	-0.21	54.0	-10.64	AV	72.00	150	Vertical	Pass
6	15641.962	56.13	1.31	74.0	-17.87	Peak	126.00	150	Vertical	Pass
6**	15641.962	46.72	1.31	54.0	-7.28	AV	126.00	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	1145.500	43.45	-18.21	74.0	-30.55	Peak	341.00	150	Horizontal	Pass
1**	1145.500	33.83	-18.21	54.0	-20.17	AV	341.00	150	Horizontal	Pass
2	2823.400	43.69	-10.29	74.0	-30.31	Peak	221.00	150	Horizontal	Pass
2**	2823.400	34.08	-10.29	54.0	-19.92	AV	221.00	150	Horizontal	Pass
3	4891.000	52.33	-3.23	74.0	-21.67	Peak	53.00	150	Horizontal	Pass
3**	4891.000	42.83	-3.23	54.0	-11.17	AV	53.00	150	Horizontal	Pass
4	5783.200	102.94	-2.23	--	--	Peak	265.00	150	Horizontal	N/A
4**	5783.200	94.33	-2.23	--	--	AV	265.00	150	Horizontal	N/A
5	11579.588	52.18	-0.36	74.0	-21.82	Peak	251.00	150	Horizontal	Pass
5**	11579.588	43.74	-0.36	54.0	-10.26	AV	251.00	150	Horizontal	Pass
6	15835.950	55.89	1.45	74.0	-18.11	Peak	301.00	150	Horizontal	Pass
6**	15835.950	47.14	1.45	54.0	-6.86	AV	301.00	150	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	1165.500	42.50	-18.12	74.0	-31.50	Peak	228.00	150	Vertical	Pass
1**	1165.500	32.34	-18.12	54.0	-21.66	AV	228.00	150	Vertical	Pass
2	2783.200	42.91	-10.51	74.0	-31.09	Peak	228.00	150	Vertical	Pass
2**	2783.200	33.05	-10.51	54.0	-20.95	AV	228.00	150	Vertical	Pass
3	4793.800	52.12	-2.60	74.0	-21.88	Peak	106.00	150	Vertical	Pass
3**	4793.800	42.85	-2.60	54.0	-11.15	AV	106.00	150	Vertical	Pass
4	5797.000	98.48	-2.70	--	--	Peak	146.00	150	Vertical	N/A
4**	5797.000	91.08	-2.70	--	--	AV	146.00	150	Vertical	N/A
5	11562.050	52.17	-0.43	74.0	-21.83	Peak	38.00	150	Vertical	Pass
5**	11562.050	43.04	-0.43	54.0	-10.96	AV	38.00	150	Vertical	Pass
6	15789.225	55.63	1.98	74.0	-18.37	Peak	360.00	150	Vertical	Pass
6**	15789.225	45.50	1.98	54.0	-8.50	AV	360.00	150	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	1143.000	44.01	-18.29	74.0	-29.99	Peak	0.00	150	Horizontal	Pass
1**	1143.000	34.48	-18.29	54.0	-19.52	AV	0.00	150	Horizontal	Pass
2	2810.700	43.17	-10.21	74.0	-30.83	Peak	360.00	150	Horizontal	Pass
2**	2810.700	34.17	-10.21	54.0	-19.83	AV	360.00	150	Horizontal	Pass
3	4795.800	52.39	-2.67	74.0	-21.61	Peak	113.00	150	Horizontal	Pass
3**	4795.800	42.96	-2.67	54.0	-11.04	AV	113.00	150	Horizontal	Pass
4	5746.800	104.98	-2.37	--	--	Peak	264.00	150	Horizontal	N/A
4**	5746.800	97.99	-2.37	--	--	AV	264.00	150	Horizontal	N/A
5	11773.362	52.59	1.28	74.0	-21.41	Peak	78.00	150	Horizontal	Pass
5**	11773.362	42.72	1.28	54.0	-11.28	AV	78.00	150	Horizontal	Pass
6	15837.525	56.24	1.45	74.0	-17.76	Peak	85.00	150	Horizontal	Pass
6**	15837.525	47.06	1.45	54.0	-6.94	AV	85.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1323.000	44.96	-17.49	74.0	-29.04	Peak	299.00	150	Vertical	Pass
1**	1323.000	35.98	-17.49	54.0	-18.02	AV	299.00	150	Vertical	Pass
2	2810.000	43.56	-10.25	74.0	-30.44	Peak	0.00	150	Vertical	Pass
2**	2810.000	34.30	-10.25	54.0	-19.70	AV	0.00	150	Vertical	Pass
3	4822.000	52.18	-3.44	74.0	-21.82	Peak	224.00	150	Vertical	Pass
3**	4822.000	42.45	-3.44	54.0	-11.55	AV	224.00	150	Vertical	Pass
4	5742.000	102.91	-2.25	--	--	Peak	156.00	150	Vertical	N/A
4**	5742.000	95.38	-2.25	--	--	AV	156.00	150	Vertical	N/A
5	11980.363	53.41	0.87	74.0	-20.59	Peak	252.00	150	Vertical	Pass
5**	11980.363	43.86	0.87	54.0	-10.14	AV	252.00	150	Vertical	Pass
6	15838.312	55.65	1.45	74.0	-18.35	Peak	170.00	150	Vertical	Pass
6**	15838.312	47.21	1.45	54.0	-6.79	AV	170.00	150	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	1151.700	44.00	-17.95	74.0	-30.00	Peak	353.00	150	Horizontal	Pass
1**	1151.700	34.07	-17.95	54.0	-19.93	AV	353.00	150	Horizontal	Pass
2	2812.300	43.43	-10.11	74.0	-30.57	Peak	280.00	150	Horizontal	Pass
2**	2812.300	35.20	-10.11	54.0	-18.80	AV	280.00	150	Horizontal	Pass
3	4924.200	52.62	-2.60	74.0	-21.38	Peak	171.00	150	Horizontal	Pass
3**	4924.200	43.27	-2.60	54.0	-10.73	AV	171.00	150	Horizontal	Pass
4	5783.000	105.36	-2.22	--	--	Peak	251.00	150	Horizontal	N/A
4**	5783.000	97.70	-2.22	--	--	AV	251.00	150	Horizontal	N/A
5	11996.463	52.70	1.23	74.0	-21.30	Peak	0.00	150	Horizontal	Pass
5**	11996.463	43.19	1.23	54.0	-10.81	AV	0.00	150	Horizontal	Pass
6	15661.125	57.13	1.29	74.0	-16.87	Peak	190.00	150	Horizontal	Pass
6**	15661.125	46.30	1.29	54.0	-7.70	AV	190.00	150	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	1319.900	45.32	-17.52	74.0	-28.68	Peak	307.00	150	Vertical	Pass
1**	1319.900	35.77	-17.52	54.0	-18.23	AV	307.00	150	Vertical	Pass
2	2776.100	43.80	-10.46	74.0	-30.20	Peak	56.00	150	Vertical	Pass
2**	2776.100	34.02	-10.46	54.0	-19.98	AV	56.00	150	Vertical	Pass
3	4892.200	52.68	-3.26	74.0	-21.32	Peak	25.00	150	Vertical	Pass
3**	4892.200	43.22	-3.26	54.0	-10.78	AV	25.00	150	Vertical	Pass
4	5783.200	101.09	-2.23	--	--	Peak	148.00	150	Vertical	N/A
4**	5783.200	94.50	-2.23	--	--	AV	148.00	150	Vertical	N/A
5	11672.738	52.37	0.25	74.0	-21.63	Peak	73.00	150	Vertical	Pass
5**	11672.738	43.31	0.25	54.0	-10.69	AV	73.00	150	Vertical	Pass
6	15845.137	55.43	1.37	74.0	-18.57	Peak	360.00	150	Vertical	Pass
6**	15845.137	46.69	1.37	54.0	-7.31	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1154.000	43.80	-18.04	74.0	-30.20	Peak	340.00	150	Horizontal	Pass
1**	1154.000	35.42	-18.04	54.0	-18.58	AV	340.00	150	Horizontal	Pass
2	2843.200	44.13	-10.28	74.0	-29.87	Peak	25.00	150	Horizontal	Pass
2**	2843.200	34.89	-10.28	54.0	-19.11	AV	25.00	150	Horizontal	Pass
3	4897.600	51.72	-2.94	74.0	-22.28	Peak	88.00	150	Horizontal	Pass
3**	4897.600	43.03	-2.94	54.0	-10.97	AV	88.00	150	Horizontal	Pass
4	5821.000	104.86	-2.55	--	--	Peak	259.00	150	Horizontal	N/A
4**	5821.000	96.98	-2.55	--	--	AV	259.00	150	Horizontal	N/A
5	11639.675	52.74	-0.24	74.0	-21.26	Peak	287.00	150	Horizontal	Pass
5**	11639.675	43.36	-0.24	54.0	-10.64	AV	287.00	150	Horizontal	Pass
6	15858.525	55.46	1.01	74.0	-18.54	Peak	105.00	150	Horizontal	Pass
6**	15858.525	46.49	1.01	54.0	-7.51	AV	105.00	150	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	1307.600	45.94	-17.34	74.0	-28.06	Peak	281.00	150	Vertical	Pass
1**	1307.600	36.56	-17.34	54.0	-17.44	AV	281.00	150	Vertical	Pass
2	2797.700	43.64	-10.60	74.0	-30.36	Peak	163.00	150	Vertical	Pass
2**	2797.700	34.01	-10.60	54.0	-19.99	AV	163.00	150	Vertical	Pass
3	4786.200	52.43	-2.74	74.0	-21.57	Peak	360.00	150	Vertical	Pass
3**	4786.200	42.14	-2.74	54.0	-11.86	AV	360.00	150	Vertical	Pass
4	5827.600	100.52	-2.30	--	--	Peak	149.00	150	Vertical	N/A
4**	5827.600	93.66	-2.30	--	--	AV	149.00	150	Vertical	N/A
5	11676.474	52.54	0.23	74.0	-21.46	Peak	340.00	150	Vertical	Pass
5**	11676.474	43.69	0.23	54.0	-10.31	AV	340.00	150	Vertical	Pass
6	15838.838	55.56	1.45	74.0	-18.44	Peak	360.00	150	Vertical	Pass
6**	15838.838	46.92	1.45	54.0	-7.08	AV	360.00	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	1146.800	43.58	-18.18	74.0	-30.42	Peak	352.00	150	Horizontal	Pass
1**	1146.800	35.45	-18.18	54.0	-18.55	AV	352.00	150	Horizontal	Pass
2	2786.600	42.65	-10.48	74.0	-31.35	Peak	327.00	150	Horizontal	Pass
2**	2786.600	33.87	-10.48	54.0	-20.13	AV	327.00	150	Horizontal	Pass
3	4818.200	52.02	-3.28	74.0	-21.98	Peak	117.00	150	Horizontal	Pass
3**	4818.200	42.81	-3.28	54.0	-11.19	AV	117.00	150	Horizontal	Pass
4	5760.200	103.20	-1.93	--	--	Peak	251.00	150	Horizontal	N/A
4**	5760.200	94.32	-1.93	--	--	AV	251.00	150	Horizontal	N/A
5	11652.901	52.20	-0.08	74.0	-21.80	Peak	230.00	150	Horizontal	Pass
5**	11652.901	43.11	-0.08	54.0	-10.89	AV	230.00	150	Horizontal	Pass
6	15625.425	56.26	1.72	74.0	-17.74	Peak	133.00	150	Horizontal	Pass
6**	15625.425	46.11	1.72	54.0	-7.89	AV	133.00	150	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	1173.600	43.10	-18.03	74.0	-30.90	Peak	266.00	150	Vertical	Pass
1**	1173.600	32.87	-18.03	54.0	-21.13	AV	266.00	150	Vertical	Pass
2	2811.100	43.41	-10.18	74.0	-30.59	Peak	156.00	150	Vertical	Pass
2**	2811.100	34.37	-10.18	54.0	-19.63	AV	156.00	150	Vertical	Pass
3	4832.400	52.45	-3.57	74.0	-21.55	Peak	232.00	150	Vertical	Pass
3**	4832.400	42.85	-3.57	54.0	-11.15	AV	232.00	150	Vertical	Pass
4	5745.000	99.70	-2.38	--	--	Peak	149.00	150	Vertical	N/A
4**	5745.000	91.23	-2.38	--	--	AV	149.00	150	Vertical	N/A
5	11629.038	52.27	-0.19	74.0	-21.73	Peak	121.00	150	Vertical	Pass
5**	11629.038	42.76	-0.19	54.0	-11.24	AV	121.00	150	Vertical	Pass
6	15818.362	55.82	1.94	74.0	-18.18	Peak	19.00	150	Vertical	Pass
6**	15818.362	46.39	1.94	54.0	-7.61	AV	19.00	150	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	1156.000	43.86	-18.08	74.0	-30.14	Peak	360.00	150	Horizontal	Pass
1**	1156.000	35.49	-18.08	54.0	-18.51	AV	360.00	150	Horizontal	Pass
2	2787.400	43.00	-10.52	74.0	-31.00	Peak	184.00	150	Horizontal	Pass
2**	2787.400	33.80	-10.52	54.0	-20.20	AV	184.00	150	Horizontal	Pass
3	4813.600	52.03	-3.07	74.0	-21.97	Peak	254.00	150	Horizontal	Pass
3**	4813.600	42.77	-3.07	54.0	-11.23	AV	254.00	150	Horizontal	Pass
4	5799.800	102.68	-2.72	--	--	Peak	254.00	150	Horizontal	N/A
4**	5799.800	94.33	-2.72	--	--	AV	254.00	150	Horizontal	N/A
5	11558.600	52.39	-0.44	74.0	-21.61	Peak	41.00	150	Horizontal	Pass
5**	11558.600	43.45	-0.44	54.0	-10.55	AV	41.00	150	Horizontal	Pass
6	15819.675	56.32	1.89	74.0	-17.68	Peak	221.00	150	Horizontal	Pass
6**	15819.675	46.74	1.89	54.0	-7.26	AV	221.00	150	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	1156.300	42.81	-18.08	74.0	-31.19	Peak	251.00	150	Vertical	Pass
1**	1156.300	33.50	-18.08	54.0	-20.50	AV	251.00	150	Vertical	Pass
2	2813.100	43.69	-10.05	74.0	-30.31	Peak	67.00	150	Vertical	Pass
2**	2813.100	34.69	-10.05	54.0	-19.31	AV	67.00	150	Vertical	Pass
3	4866.400	51.35	-3.30	74.0	-22.65	Peak	272.00	150	Vertical	Pass
3**	4866.400	41.84	-3.30	54.0	-12.16	AV	272.00	150	Vertical	Pass
4	5786.400	98.21	-2.46	--	--	Peak	151.00	150	Vertical	N/A
4**	5786.400	90.18	-2.46	--	--	AV	151.00	150	Vertical	N/A
5	11625.012	52.30	-0.13	74.0	-21.70	Peak	0.00	150	Vertical	Pass
5**	11625.012	44.36	-0.13	54.0	-9.64	AV	0.00	150	Vertical	Pass
6	15853.799	55.74	1.23	74.0	-18.26	Peak	230.00	150	Vertical	Pass
6**	15853.799	47.68	1.23	54.0	-6.32	AV	230.00	150	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	1147.300	43.93	-18.17	74.0	-30.07	Peak	351.00	150	Horizontal	Pass
1**	1147.300	35.74	-18.17	54.0	-18.26	AV	351.00	150	Horizontal	Pass
2	2810.900	44.01	-10.19	74.0	-29.99	Peak	0.00	150	Horizontal	Pass
2**	2810.900	34.87	-10.19	54.0	-19.13	AV	0.00	150	Horizontal	Pass
3	4802.200	52.01	-2.61	74.0	-21.99	Peak	179.00	150	Horizontal	Pass
3**	4802.200	43.54	-2.61	54.0	-10.46	AV	179.00	150	Horizontal	Pass
4	5790.800	100.23	-2.58	--	--	Peak	249.00	150	Horizontal	N/A
4**	5790.800	91.27	-2.58	--	--	AV	249.00	150	Horizontal	N/A
5	11719.599	52.74	0.78	74.0	-21.26	Peak	246.00	150	Horizontal	Pass
5**	11719.599	42.46	0.78	54.0	-11.54	AV	246.00	150	Horizontal	Pass
6	15827.550	55.52	1.57	74.0	-18.48	Peak	150.00	150	Horizontal	Pass
6**	15827.550	46.80	1.57	54.0	-7.20	AV	150.00	150	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	1153.400	42.88	-18.02	74.0	-31.12	Peak	259.00	150	Vertical	Pass
1**	1153.400	33.11	-18.02	54.0	-20.89	AV	259.00	150	Vertical	Pass
2	2772.900	43.78	-10.48	74.0	-30.22	Peak	28.00	150	Vertical	Pass
2**	2772.900	33.91	-10.48	54.0	-20.09	AV	28.00	150	Vertical	Pass
3	4803.800	52.09	-2.73	74.0	-21.91	Peak	220.00	150	Vertical	Pass
3**	4803.800	43.33	-2.73	54.0	-10.67	AV	220.00	150	Vertical	Pass
4	5753.200	95.85	-2.14	--	--	Peak	150.00	150	Vertical	N/A
4**	5753.200	88.94	-2.14	--	--	AV	150.00	150	Vertical	N/A
5	11664.687	53.16	0.17	74.0	-20.84	Peak	168.00	150	Vertical	Pass
5**	11664.687	43.65	0.17	54.0	-10.35	AV	168.00	150	Vertical	Pass
6	15819.150	55.63	1.91	74.0	-18.37	Peak	324.00	150	Vertical	Pass
6**	15819.150	46.66	1.91	54.0	-7.34	AV	324.00	150	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

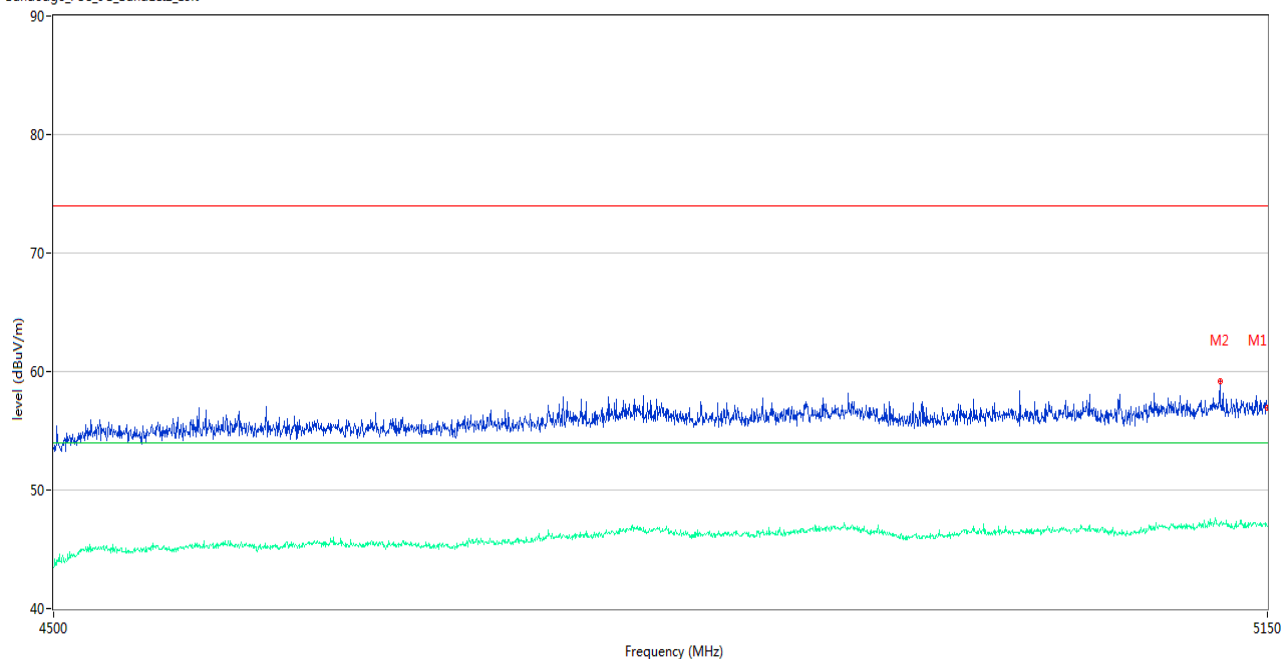
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)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

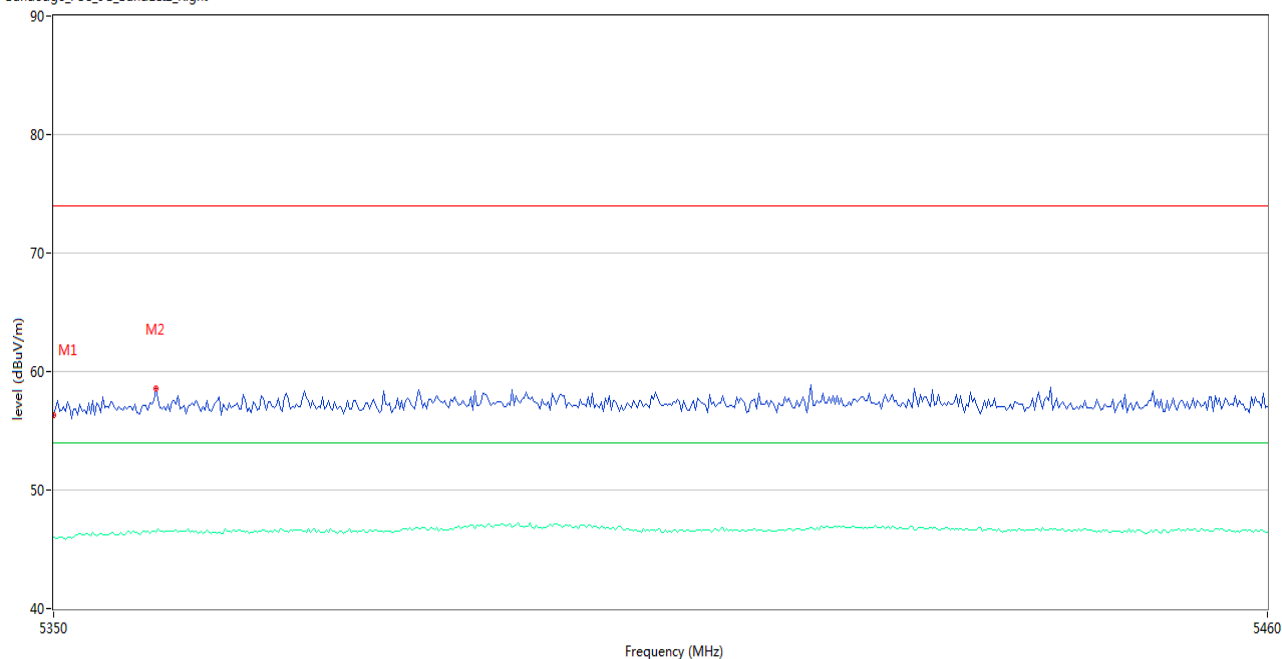
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.99	3.22	74.0	-17.01	Peak	243.00	150	Horizontal	Pass
1**	5150.000	46.98	3.22	54.0	-7.02	AV	243.00	150	Horizontal	Pass
2	5123.025	59.14	3.81	74.0	-14.86	Peak	247.00	150	Horizontal	Pass
2**	5123.025	47.21	3.81	54.0	-6.79	AV	247.00	150	Horizontal	Pass

U-NII-1 11a CH48

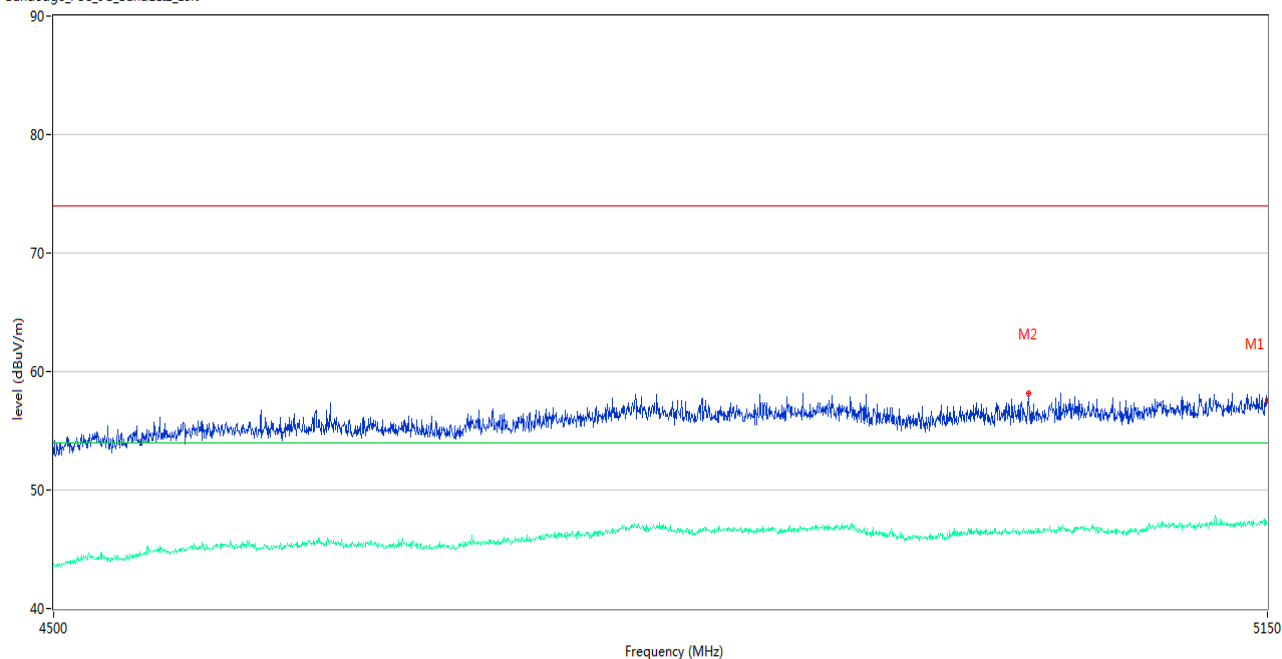
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.28	2.98	74.0	-17.72	Peak	189.00	150	Horizontal	Pass
1**	5350.000	45.98	2.98	54.0	-8.02	AV	189.00	150	Horizontal	Pass
2	5359.166	58.58	3.37	74.0	-15.42	Peak	194.00	150	Horizontal	Pass
2**	5359.166	46.45	3.37	54.0	-7.55	AV	194.00	150	Horizontal	Pass

U-NII-1 11n20 CH36

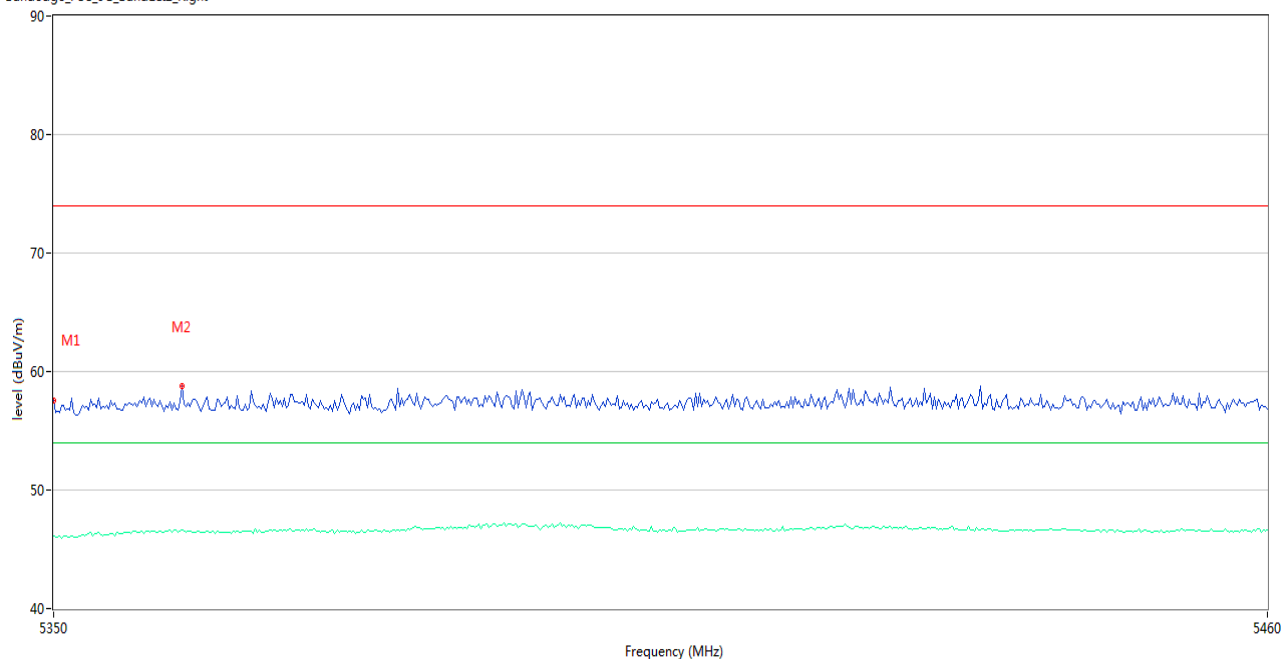
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.55	3.22	74.0	-16.45	Peak	288.00	150	Horizontal	Pass
1**	5150.000	47.14	3.22	54.0	-6.86	AV	288.00	150	Horizontal	Pass
2	5015.125	58.17	2.79	74.0	-15.83	Peak	30.00	150	Horizontal	Pass
2**	5015.125	46.63	2.79	54.0	-7.37	AV	30.00	150	Horizontal	Pass

U-NII-1 11n20 CH48

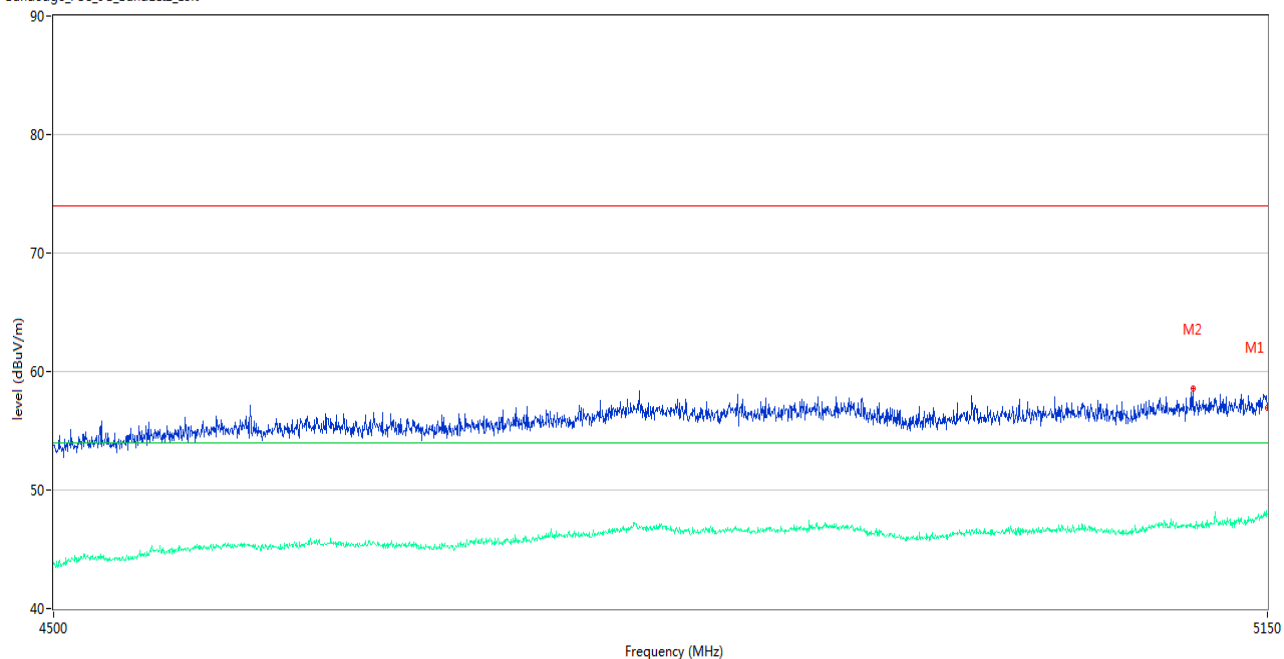
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.50	2.98	74.0	-16.50	Peak	200.00	150	Horizontal	Pass
1**	5350.000	46.10	2.98	54.0	-7.90	AV	200.00	150	Horizontal	Pass
2	5361.550	58.82	3.49	74.0	-15.18	Peak	95.00	150	Horizontal	Pass
2**	5361.550	46.62	3.49	54.0	-7.38	AV	95.00	150	Horizontal	Pass

U-NII-1 11n40 CH38

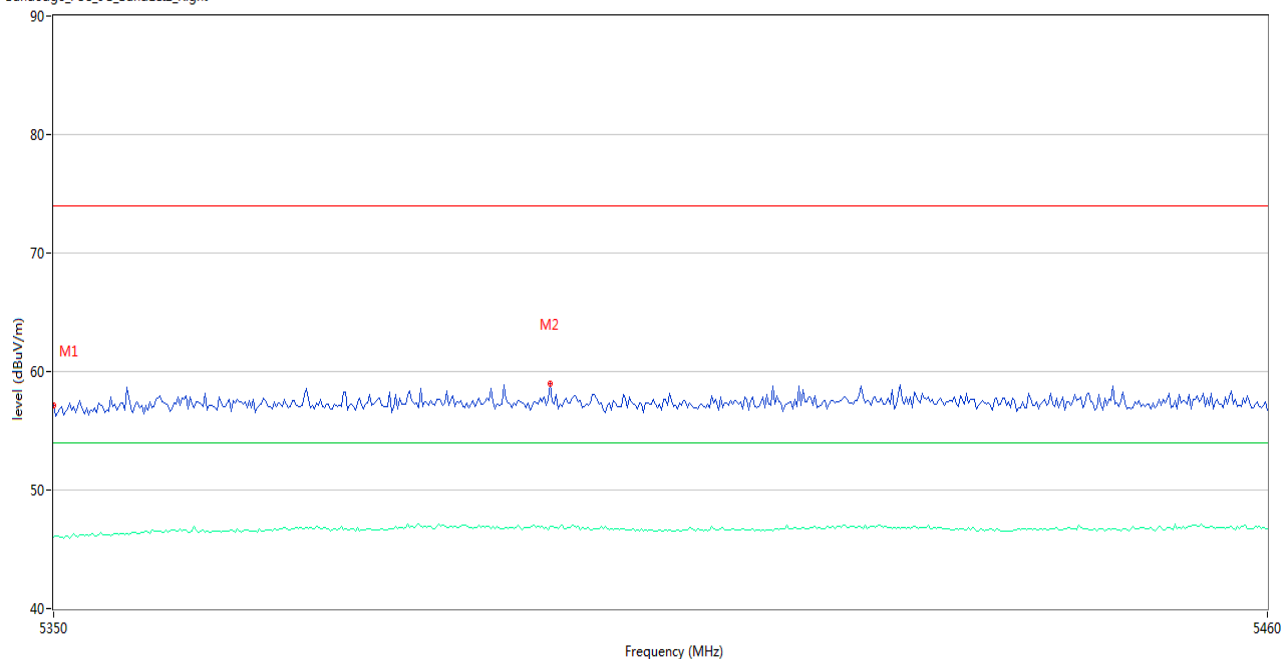
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.94	3.22	74.0	-17.06	Peak	154.00	150	Horizontal	Pass
1**	5150.000	48.00	3.22	54.0	-6.00	AV	154.00	150	Horizontal	Pass
2	5107.425	58.60	3.52	74.0	-15.40	Peak	235.00	150	Horizontal	Pass
2**	5107.425	46.79	3.52	54.0	-7.21	AV	235.00	150	Horizontal	Pass

U-NII-1 11n40 CH46

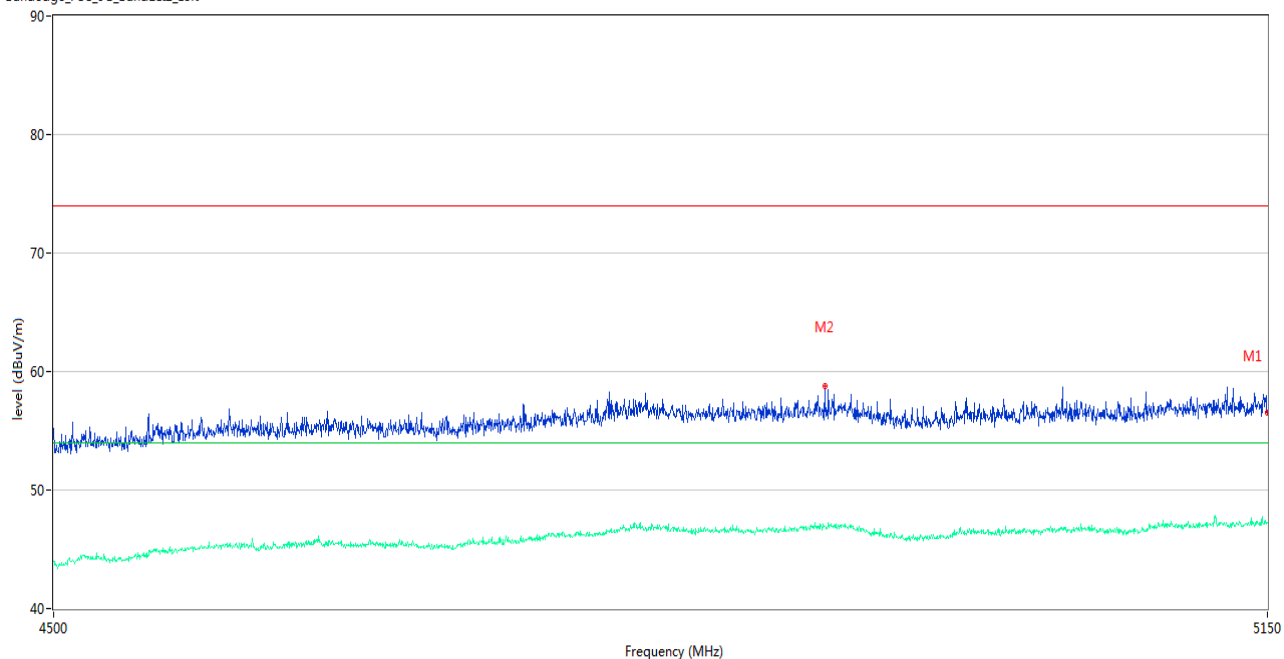
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.15	2.98	74.0	-16.85	Peak	207.00	150	Horizontal	Pass
1**	5350.000	46.04	2.98	54.0	-7.96	AV	207.00	150	Horizontal	Pass
2	5394.734	58.99	3.32	74.0	-15.01	Peak	203.00	150	Horizontal	Pass
2**	5394.734	46.90	3.32	54.0	-7.10	AV	203.00	150	Horizontal	Pass

U-NII-1 11ac20 CH36

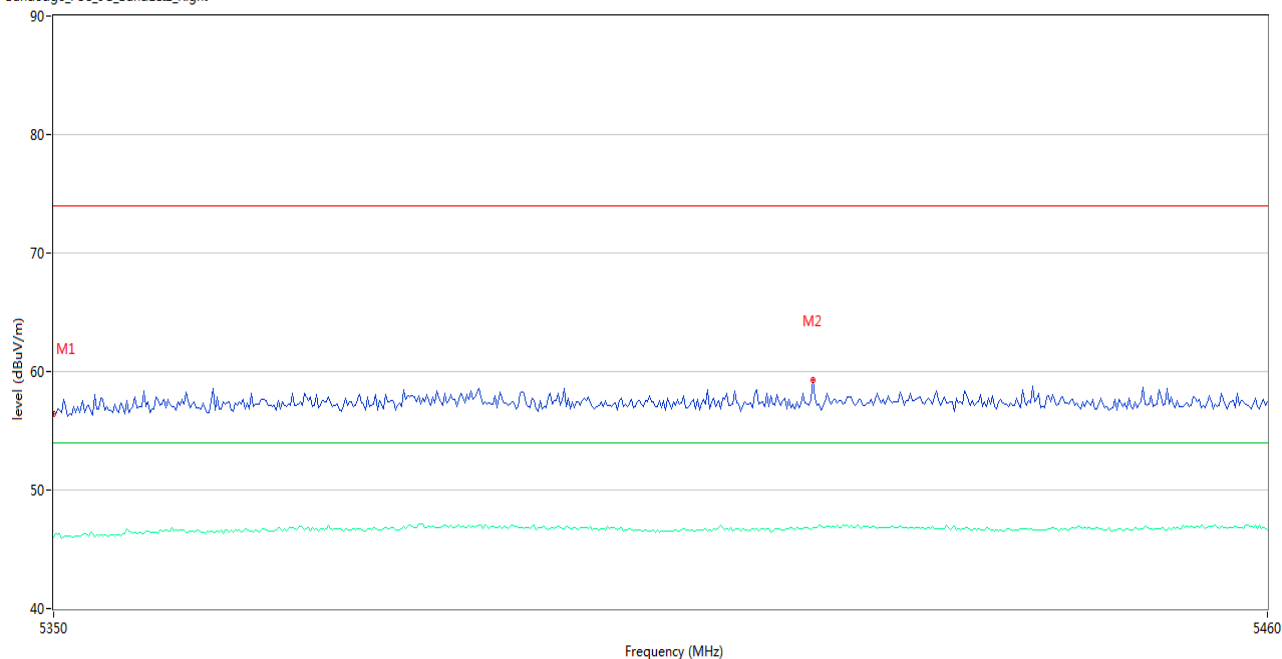
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.48	3.22	74.0	-17.52	Peak	195.00	150	Horizontal	Pass
1**	5150.000	47.23	3.22	54.0	-6.77	AV	195.00	150	Horizontal	Pass
2	4902.675	58.73	3.32	74.0	-15.27	Peak	229.00	150	Horizontal	Pass
2**	4902.675	46.90	3.32	54.0	-7.10	AV	229.00	150	Horizontal	Pass

U-NII-1 11ac20 CH48

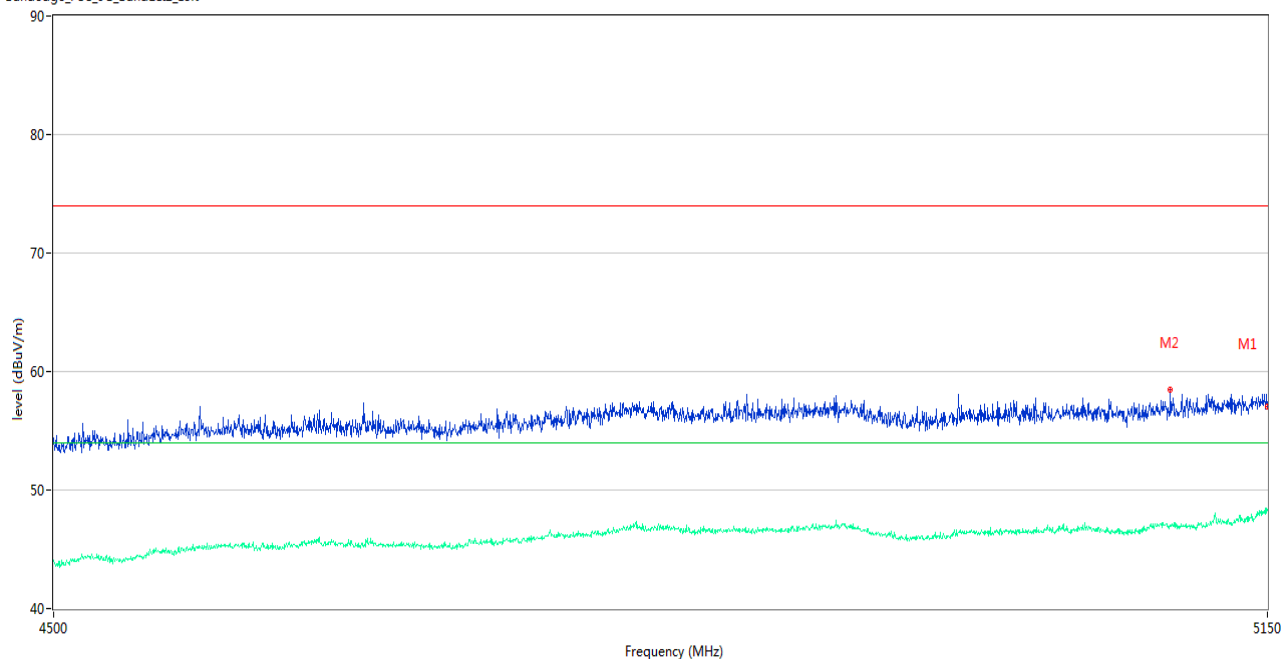
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.39	2.98	74.0	-17.61	Peak	52.00	150	Horizontal	Pass
1**	5350.000	46.04	2.98	54.0	-7.96	AV	52.00	150	Horizontal	Pass
2	5418.567	59.30	3.24	74.0	-14.70	Peak	0.00	150	Horizontal	Pass
2**	5418.567	46.84	3.24	54.0	-7.16	AV	0.00	150	Horizontal	Pass

U-NII-1 11ac40 CH38

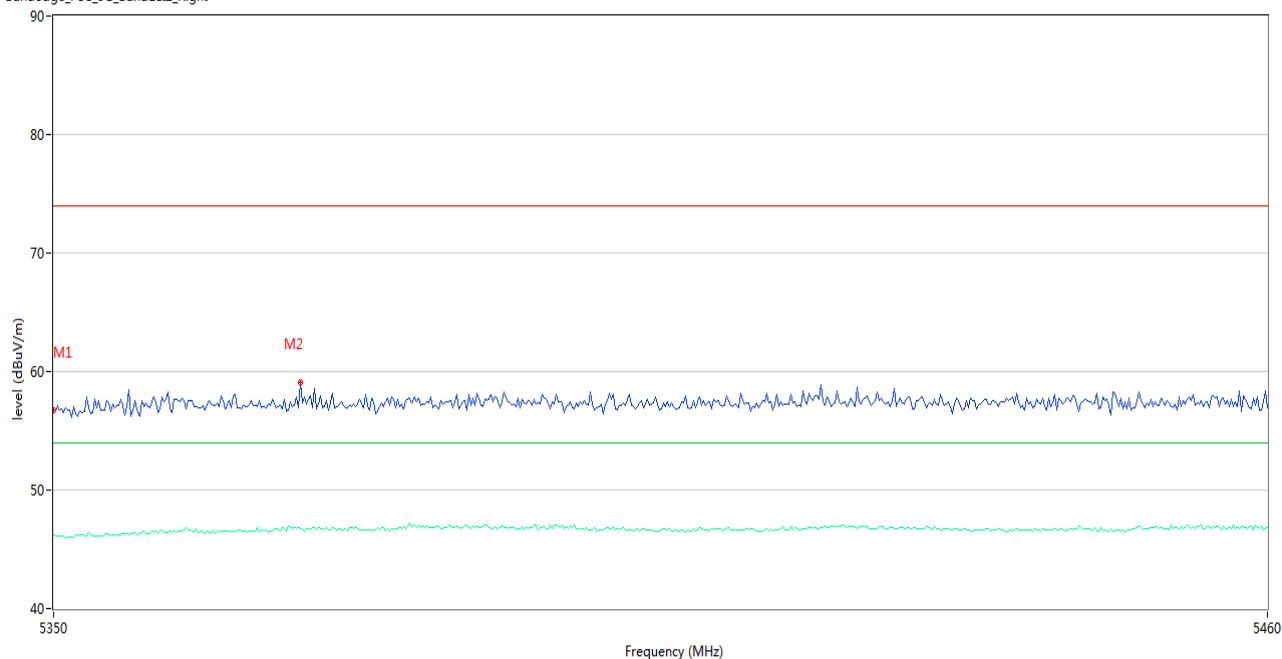
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.08	3.22	74.0	-16.92	Peak	170.00	150	Horizontal	Pass
1**	5150.000	48.36	3.22	54.0	-5.64	AV	170.00	150	Horizontal	Pass
2	5094.750	58.51	3.45	74.0	-15.49	Peak	150.00	150	Horizontal	Pass
2**	5094.750	47.05	3.45	54.0	-6.95	AV	150.00	150	Horizontal	Pass

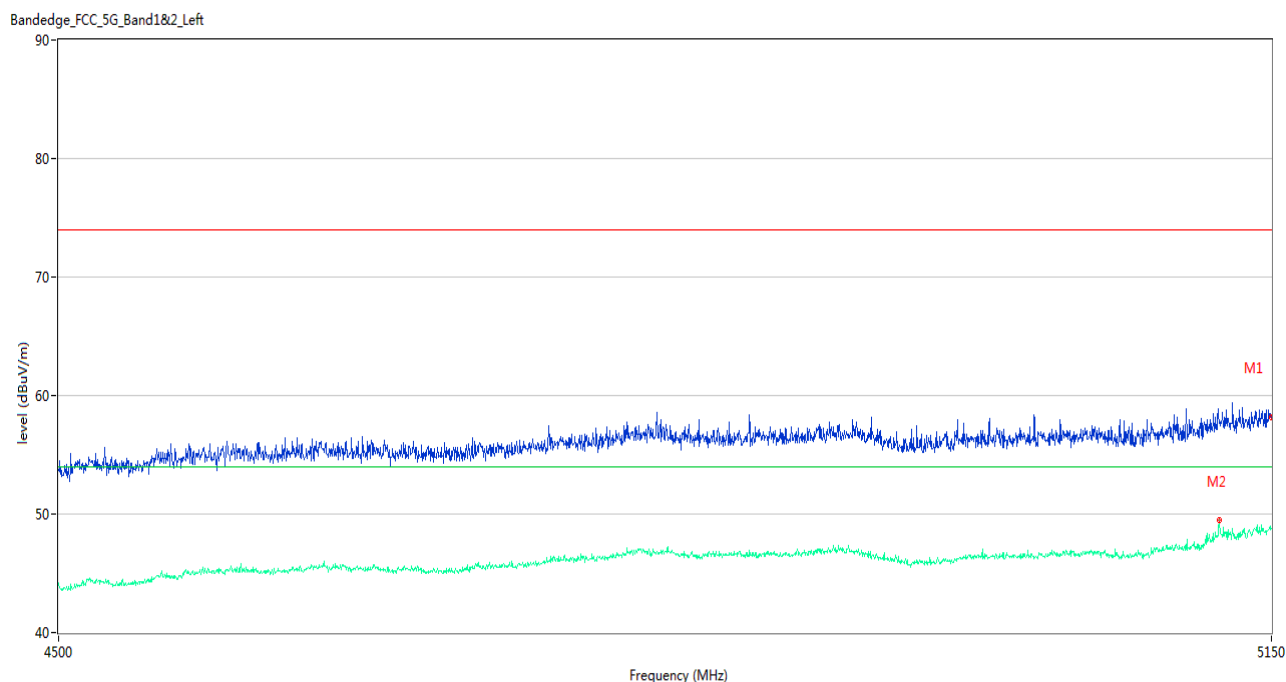
U-NII-1 11ac40 CH46

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	56.77	2.98	74.0	-17.23	Peak	120.00	150	Horizontal	Pass
1**	5350.000	46.22	2.98	54.0	-7.78	AV	120.00	150	Horizontal	Pass
2	5372.183	59.04	3.48	74.0	-14.96	Peak	196.00	150	Horizontal	Pass
2**	5372.183	46.76	3.48	54.0	-7.24	AV	196.00	150	Horizontal	Pass

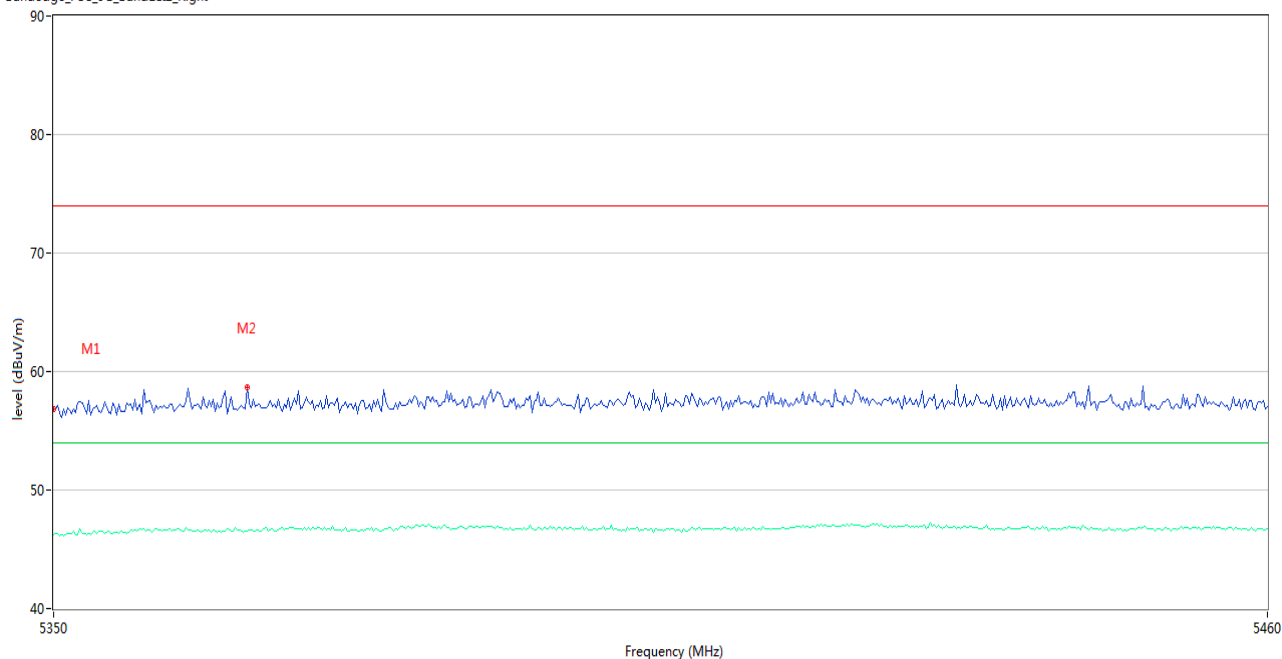
U-NII-1 11ac80 CH42



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.21	3.22	74.0	-15.79	Peak	153.00	150	Horizontal	Pass
1**	5150.000	48.74	3.22	54.0	-5.26	AV	153.00	150	Horizontal	Pass
2	5120.100	57.89	3.74	74.0	-16.11	Peak	151.00	150	Horizontal	Pass
2**	5120.100	49.51	3.74	54.0	-4.49	AV	151.00	150	Horizontal	Pass

U-NII-1 11ac80 CH42

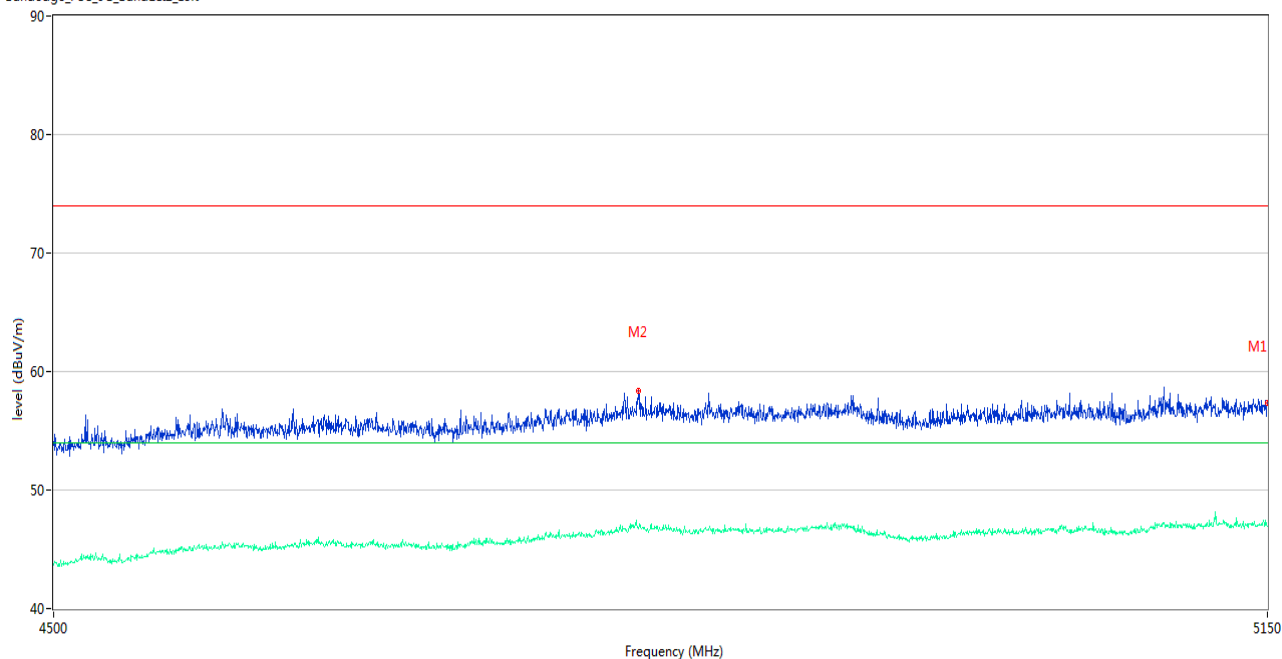
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.81	2.98	74.0	-17.19	Peak	237.00	150	Horizontal	Pass
1**	5350.000	46.24	2.98	54.0	-7.76	AV	237.00	150	Horizontal	Pass
2	5367.416	58.72	3.35	74.0	-15.28	Peak	55.00	150	Horizontal	Pass
2**	5367.416	46.56	3.35	54.0	-7.44	AV	55.00	150	Horizontal	Passa

U-NII-2A 11a CH52

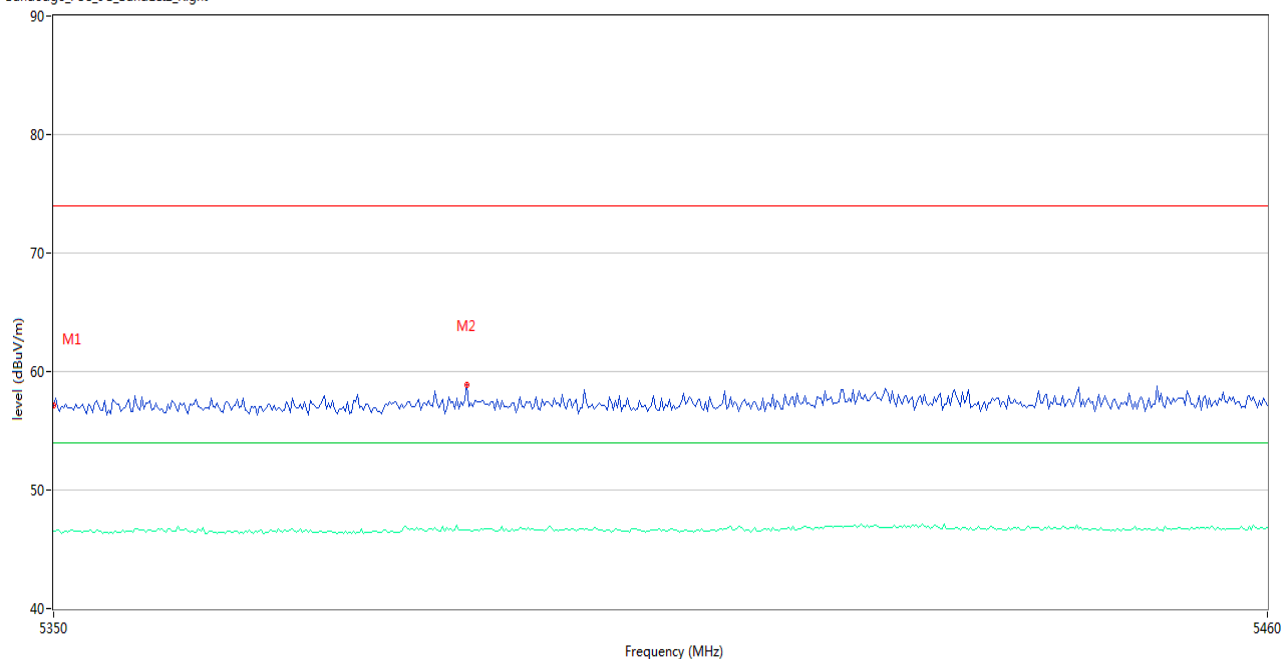
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.35	3.22	74.0	-16.65	Peak	288.00	150	Horizontal	Pass
1**	5150.000	46.96	3.22	54.0	-7.04	AV	288.00	150	Horizontal	Pass
2	4802.250	58.34	3.39	74.0	-15.66	Peak	219.00	150	Horizontal	Pass
2**	4802.250	46.74	3.39	54.0	-7.26	AV	219.00	150	Horizontal	Pass

U-NII-2A 11a CH64

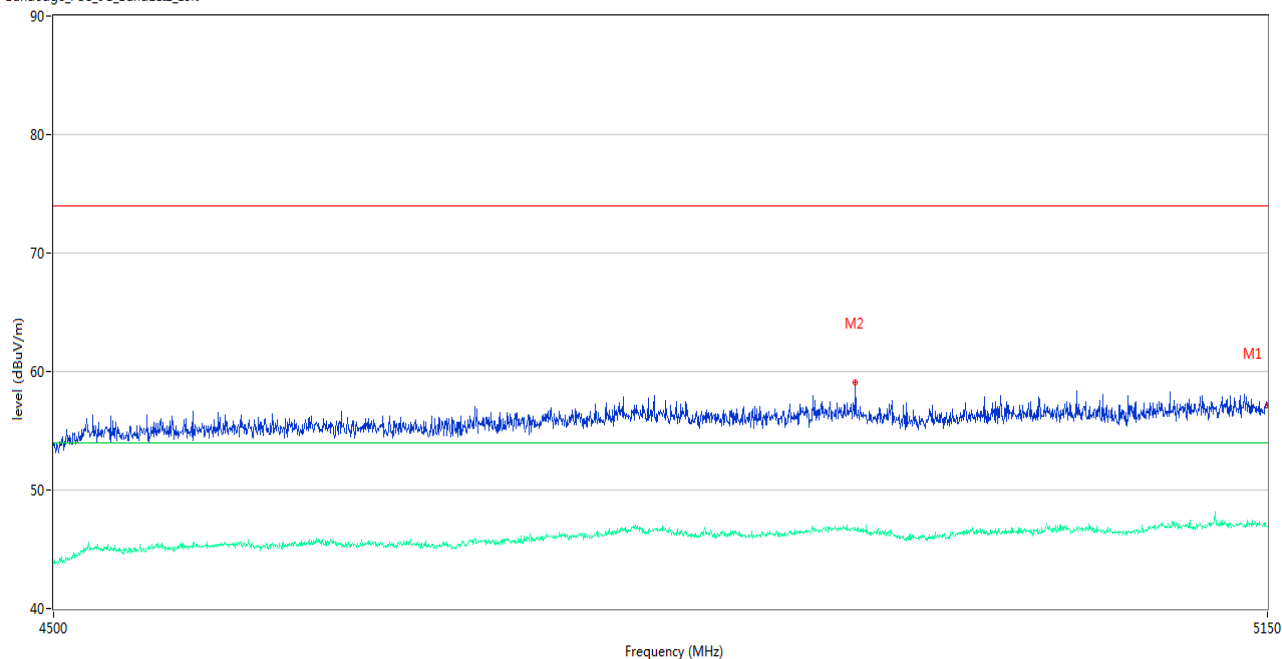
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.18	2.98	74.0	-16.82	Peak	160.00	150	Horizontal	Pass
1**	5350.000	46.52	2.98	54.0	-7.48	AV	160.00	150	Horizontal	Pass
2	5387.217	58.89	3.43	74.0	-15.11	Peak	297.00	150	Horizontal	Pass
2**	5387.217	46.63	3.43	54.0	-7.37	AV	297.00	150	Horizontal	Pass

U-NII-2A 11n20 CH52

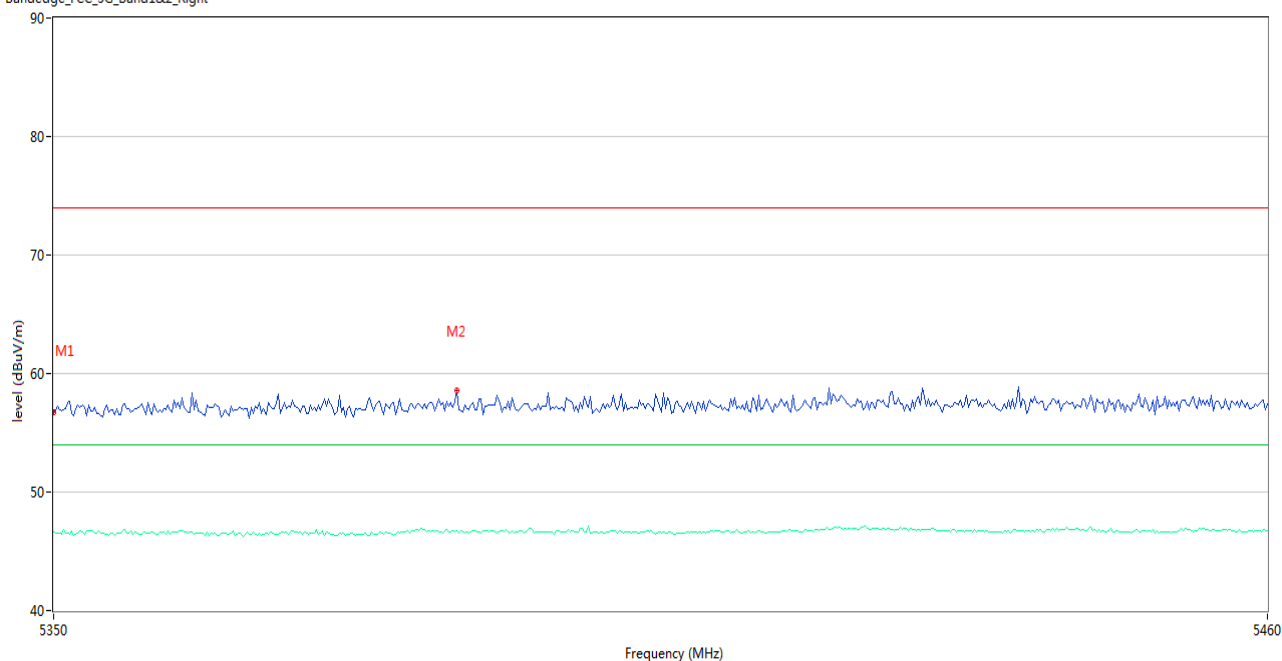
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.14	3.22	74.0	-16.86	Peak	52.00	150	Horizontal	Pass
1**	5150.000	46.89	3.22	54.0	-7.11	AV	52.00	150	Horizontal	Pass
2	4919.575	59.11	3.56	74.0	-14.89	Peak	350.00	150	Horizontal	Pass
2**	4919.575	46.68	3.56	54.0	-7.32	AV	350.00	150	Horizontal	Pass

U-NII-2A 11n20 CH64

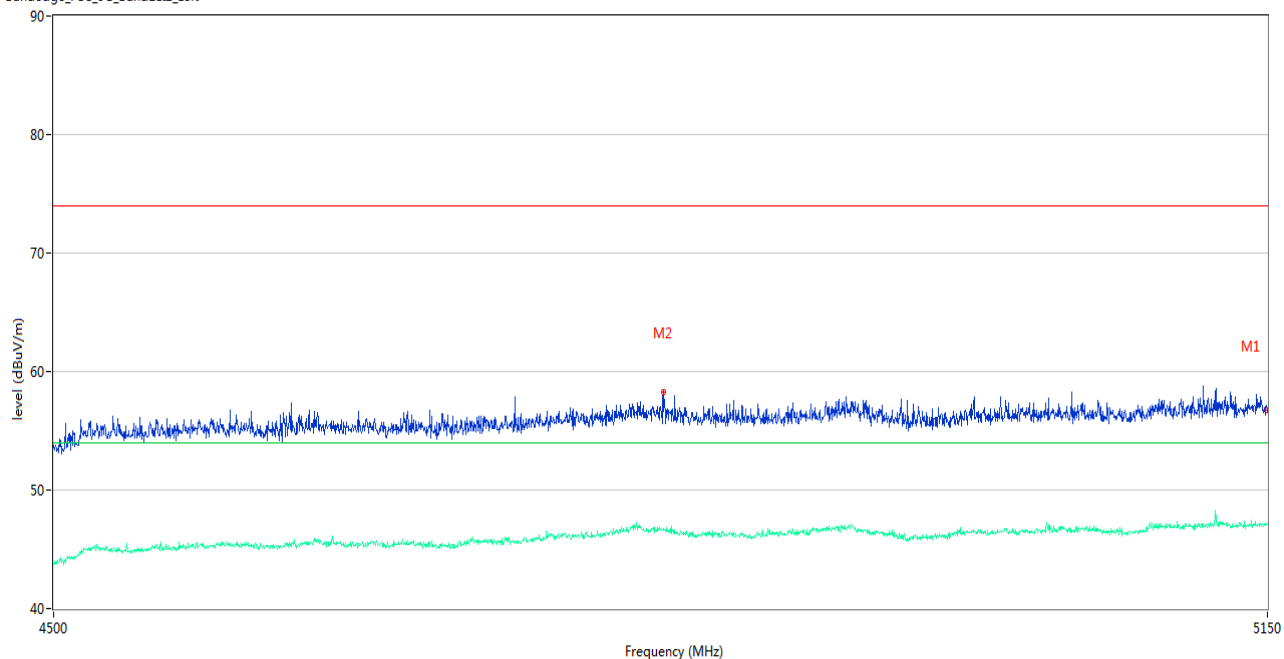
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.76	2.98	74.0	-17.24	Peak	326.00	150	Horizontal	Pass
1**	5350.000	46.62	2.98	54.0	-7.38	AV	326.00	150	Horizontal	Pass
2	5386.300	58.54	3.45	74.0	-15.46	Peak	191.00	150	Horizontal	Pass
2**	5386.300	46.71	3.45	54.0	-7.29	AV	191.00	150	Horizontal	Pass

U-NII-2A 11n40 CH54

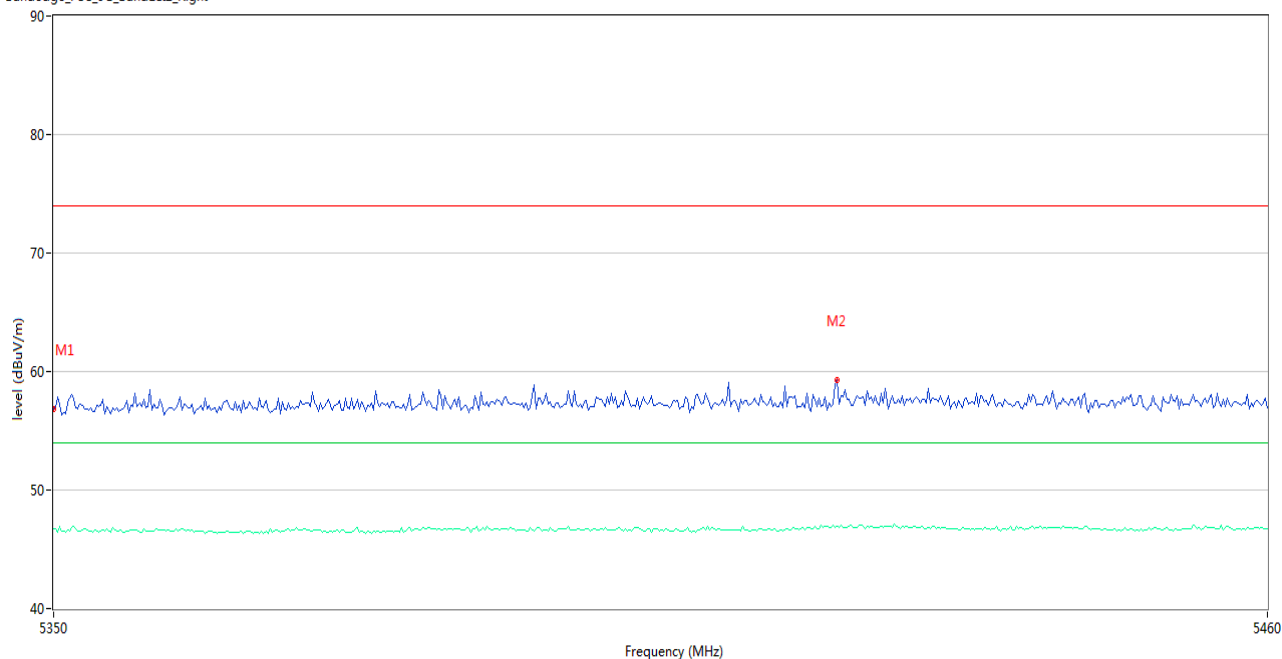
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.74	3.22	74.0	-17.26	Peak	96.00	150	Horizontal	Pass
1**	5150.000	47.23	3.22	54.0	-6.77	AV	96.00	150	Horizontal	Pass
2	4815.575	58.22	2.90	74.0	-15.78	Peak	339.00	150	Horizontal	Pass
2**	4815.575	46.63	2.90	54.0	-7.37	AV	339.00	150	Horizontal	Pass

U-NII-2A 11n40 CH62

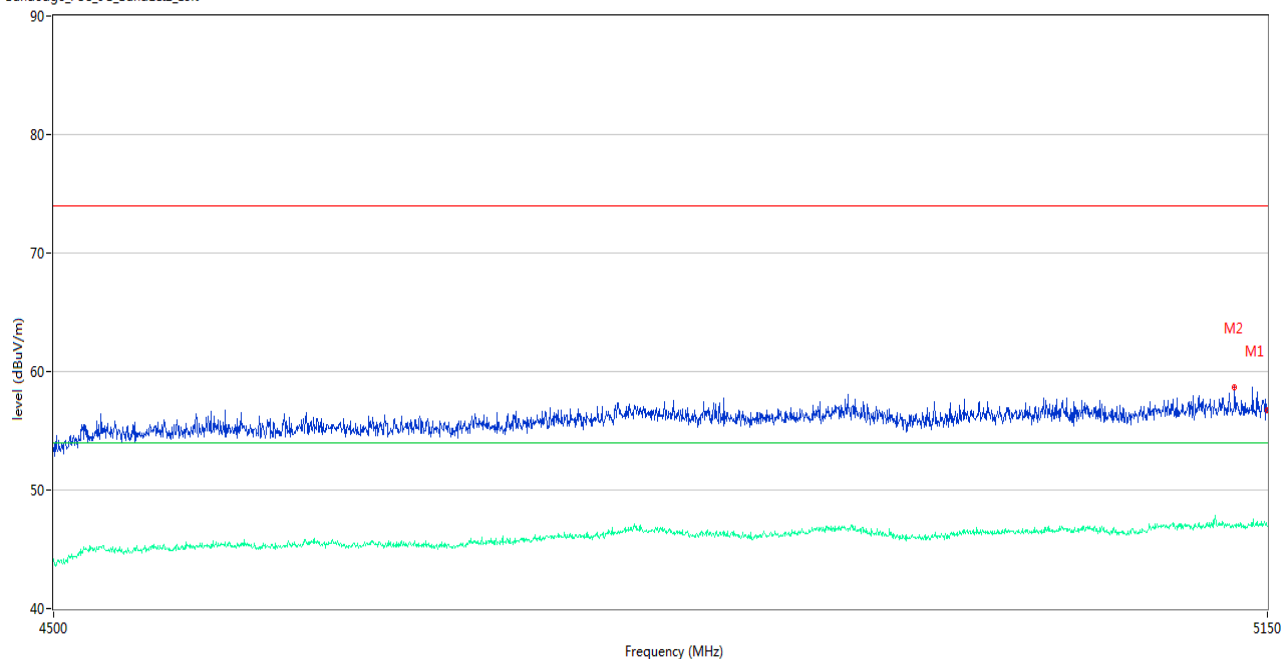
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.83	2.98	74.0	-17.17	Peak	160.00	150	Horizontal	Pass
1**	5350.000	46.69	2.98	54.0	-7.31	AV	160.00	150	Horizontal	Pass
2	5420.767	59.25	3.35	74.0	-14.75	Peak	56.00	150	Horizontal	Pass
2**	5420.767	46.91	3.35	54.0	-7.09	AV	56.00	150	Horizontal	Pass

U-NII-2A 11ac20 CH52

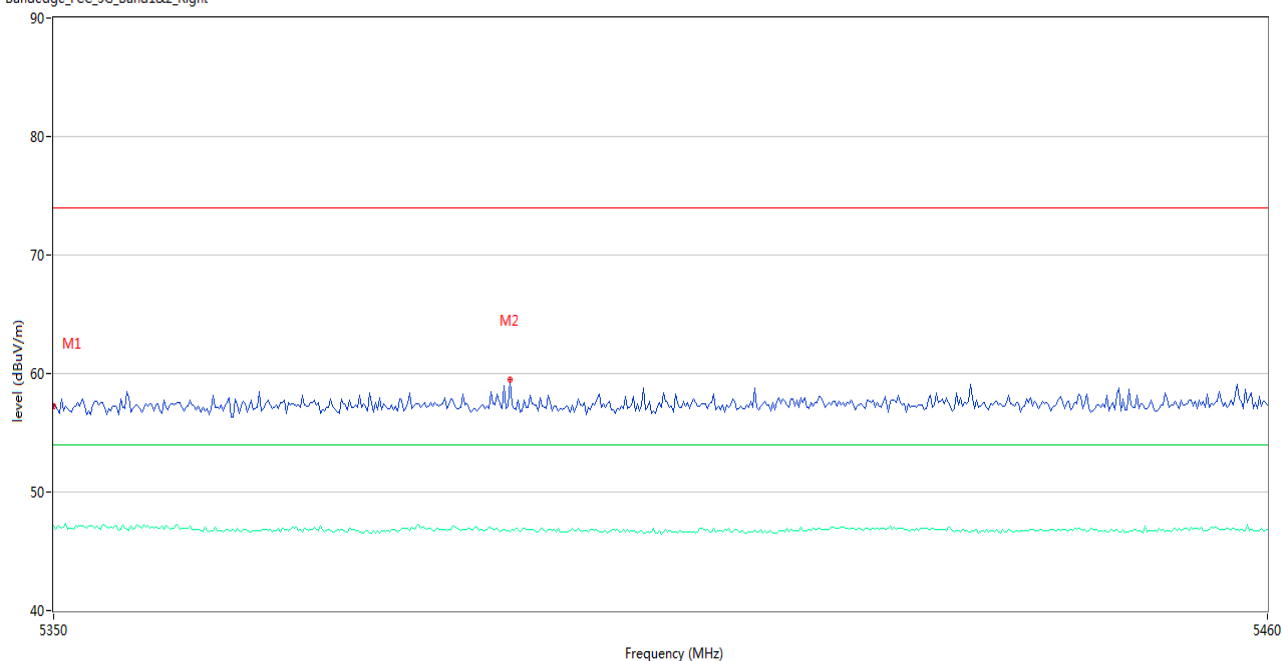
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.71	3.22	74.0	-17.29	Peak	249.00	150	Horizontal	Pass
1**	5150.000	46.90	3.22	54.0	-7.10	AV	249.00	150	Horizontal	Pass
2	5131.150	58.71	3.69	74.0	-15.29	Peak	124.00	150	Horizontal	Pass
2**	5131.150	47.08	3.69	54.0	-6.92	AV	124.00	150	Horizontal	Pass

U-NII-2A 11ac20 CH64

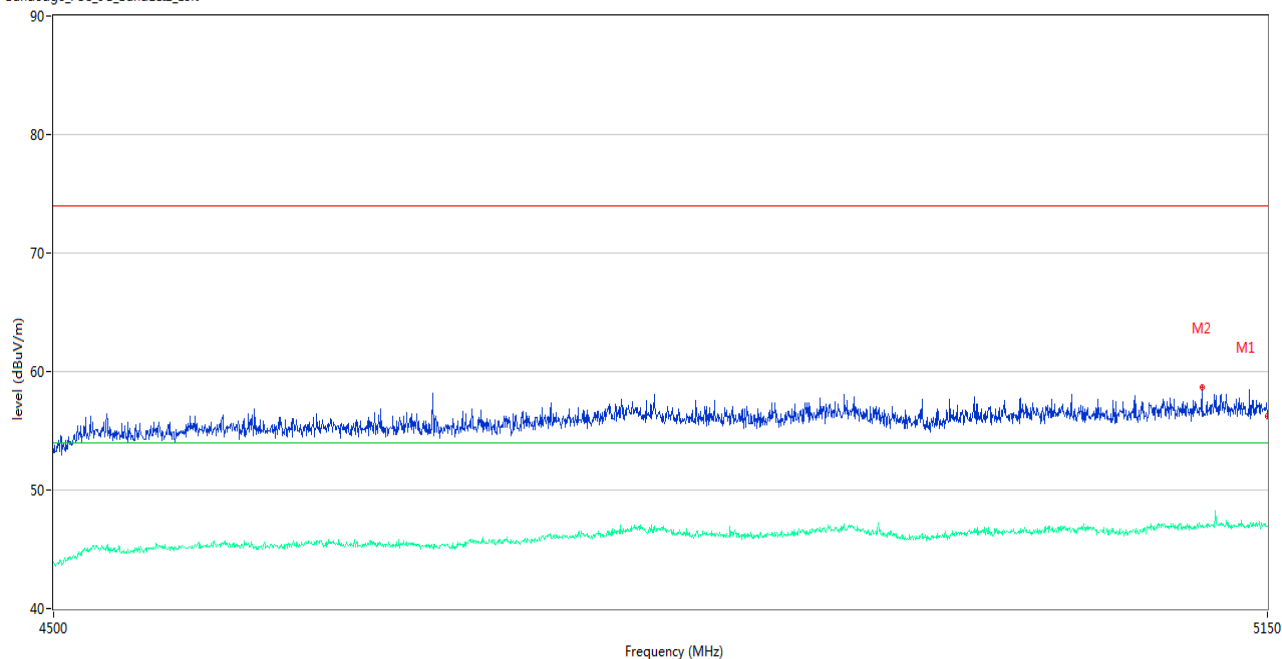
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.29	2.98	74.0	-16.71	Peak	49.00	150	Horizontal	Pass
1**	5350.000	47.14	2.98	54.0	-6.86	AV	49.00	150	Horizontal	Pass
2	5391.067	59.46	3.31	74.0	-14.54	Peak	277.00	150	Horizontal	Pass
2**	5391.067	46.66	3.31	54.0	-7.34	AV	277.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH54

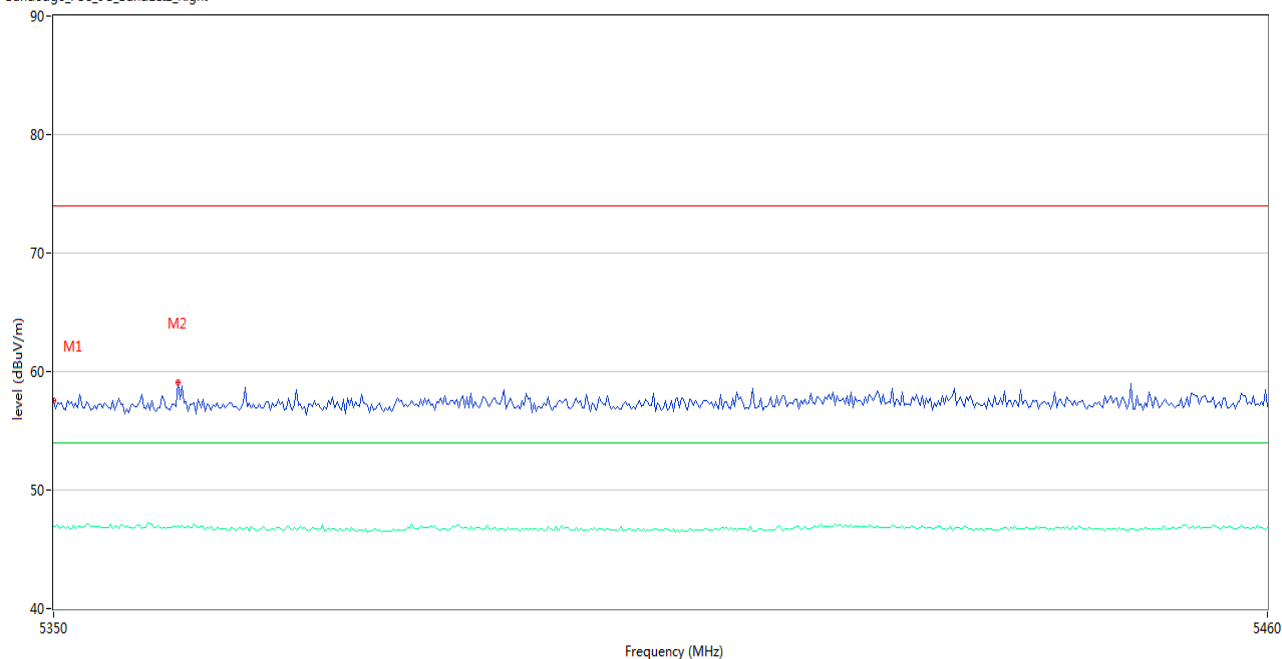
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.18	3.22	74.0	-17.82	Peak	190.00	150	Horizontal	Pass
1**	5150.000	46.96	3.22	54.0	-7.04	AV	190.00	150	Horizontal	Pass
2	5112.625	58.66	3.61	74.0	-15.34	Peak	146.00	150	Horizontal	Pass
2**	5112.625	47.04	3.61	54.0	-6.96	AV	146.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH62

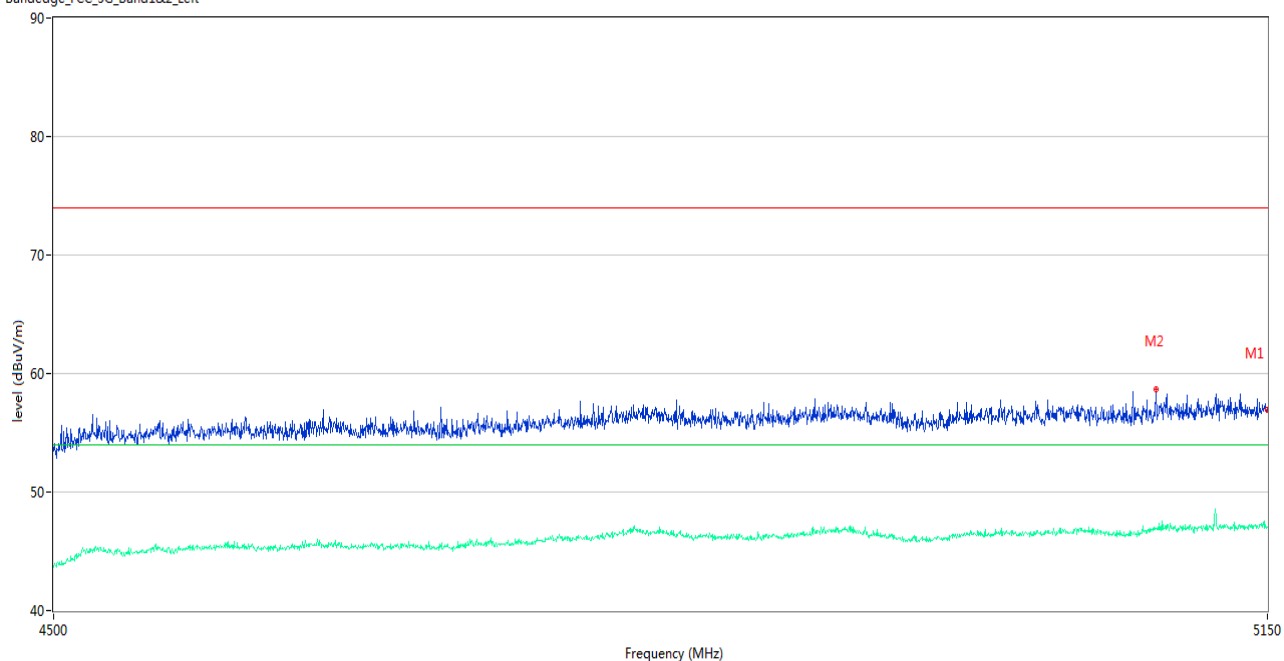
Bandedge_FCC_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.59	2.98	74.0	-16.41	Peak	204.00	150	Horizontal	Pass
1**	5350.000	46.91	2.98	54.0	-7.09	AV	204.00	150	Horizontal	Pass
2	5361.183	59.11	3.48	74.0	-14.89	Peak	200.00	150	Horizontal	Pass
2**	5361.183	46.96	3.48	54.0	-7.04	AV	200.00	150	Horizontal	Pass

U-NII-2A 11ac80 CH58

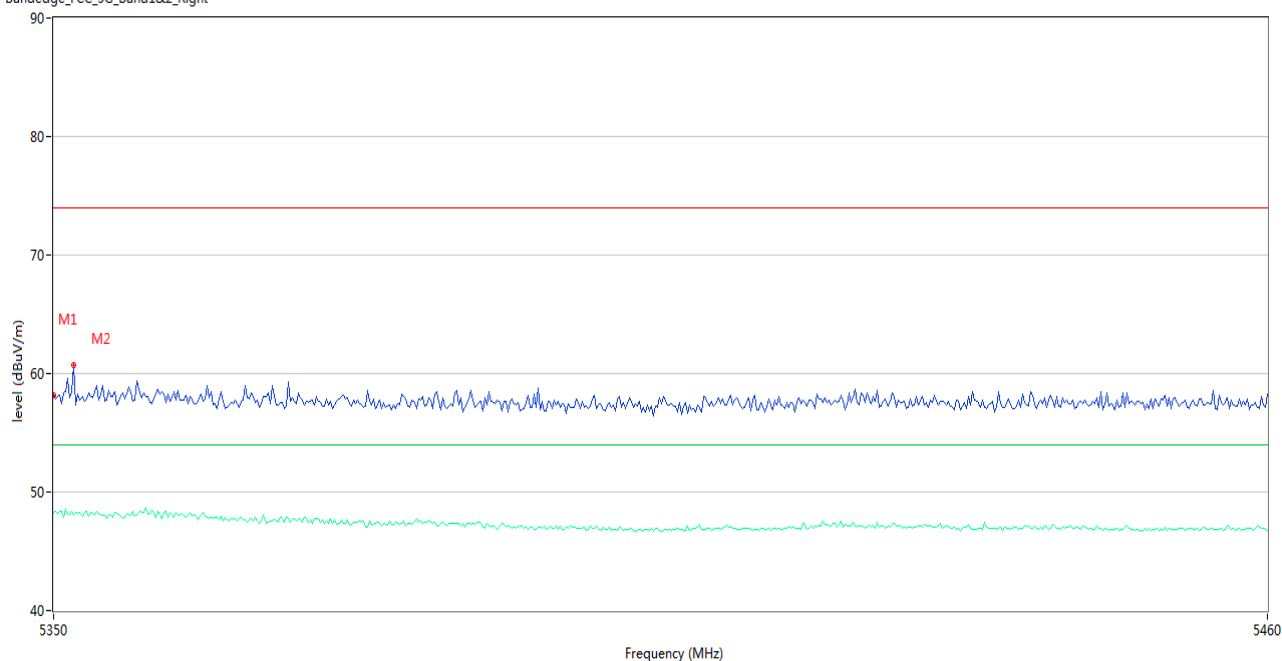
Bandedge_FCC_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.92	3.22	74.0	-17.08	Peak	274.00	150	Horizontal	Pass
1**	5150.000	47.01	3.22	54.0	-6.99	AV	274.00	150	Horizontal	Pass
2	5086.625	58.65	3.40	74.0	-15.35	Peak	172.00	150	Horizontal	Pass
2**	5086.625	46.94	3.40	54.0	-7.06	AV	172.00	150	Horizontal	Pass

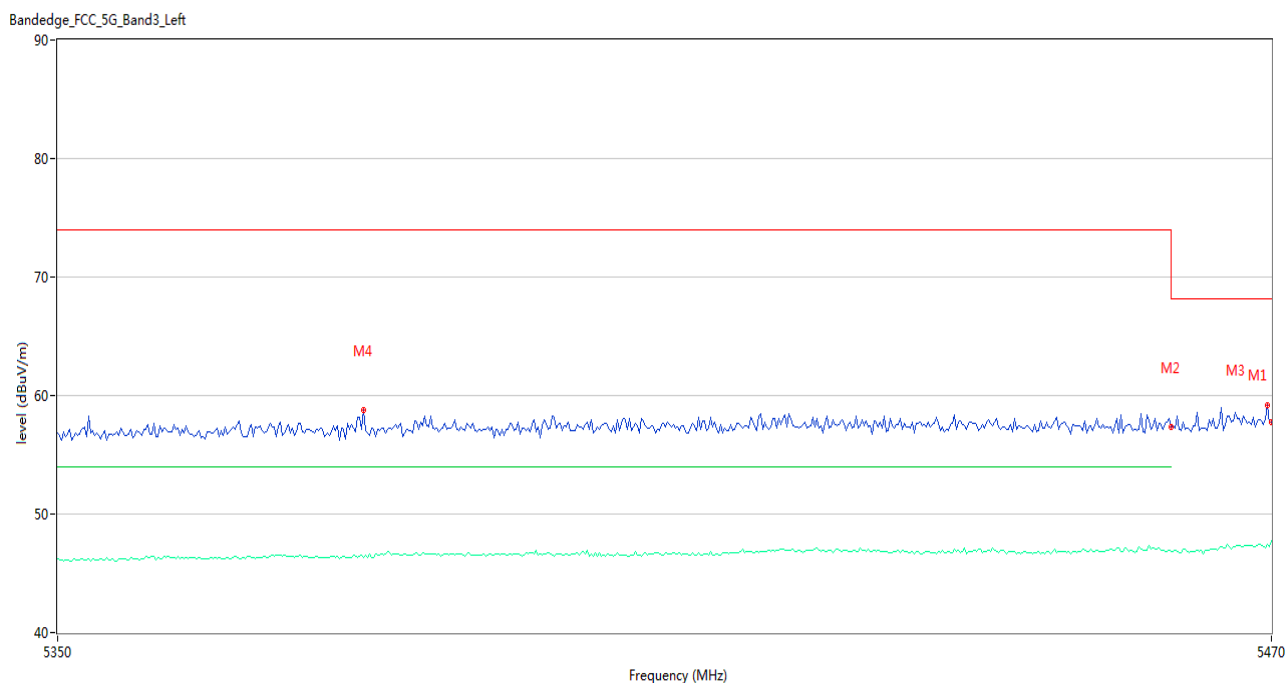
U-NII-2A 11ac80 CH58

Bandedge_FCC_5G_Band1&2_Right



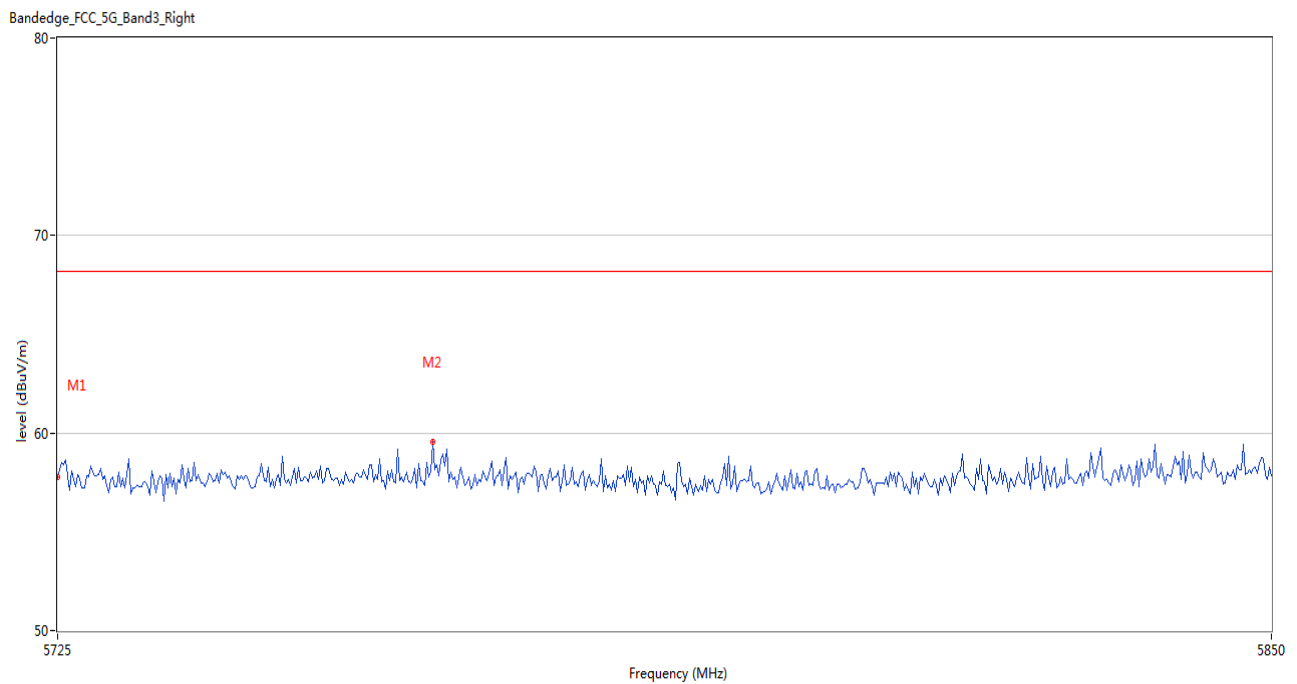
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.15	2.98	74.0	-15.85	Peak	195.00	150	Horizontal	Pass
1**	5350.000	48.28	2.98	54.0	-5.72	AV	195.00	150	Horizontal	Pass
2	5351.834	60.73	3.03	74.0	-13.27	Peak	188.00	150	Horizontal	Pass
2**	5351.834	48.09	3.03	54.0	-5.91	AV	188.00	150	Horizontal	Pass

U-NII-2C 11a CH100



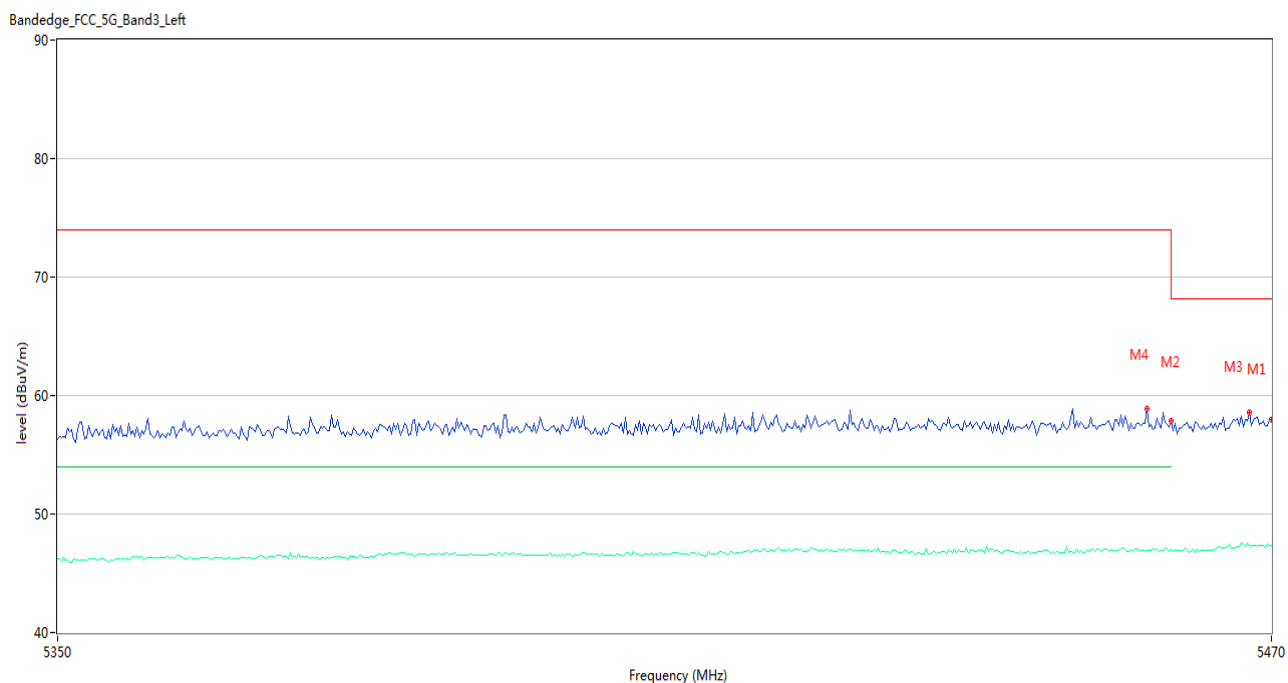
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	57.79	3.88	68.2	-10.41	Peak	182.00	150	Horizontal	Pass
1**	5470.000	47.72	3.88	--	--	AV	182.00	150	Horizontal	N/A
2	5460.000	57.38	3.79	74.0	-16.62	Peak	182.00	150	Horizontal	Pass
2**	5460.000	46.88	3.79	54.0	-7.12	AV	182.00	150	Horizontal	Pass
3	5469.600	59.21	3.88	68.2	-8.99	Peak	251.00	150	Horizontal	Pass
3**	5469.600	47.41	3.88	--	--	AV	251.00	150	Horizontal	N/A
4	5380.000	58.79	3.33	74.0	-15.21	Peak	1.00	150	Horizontal	Pass
4**	5380.000	46.35	3.33	54.0	-7.65	AV	1.00	150	Horizontal	Pass

U-NII-2C 11a CH140



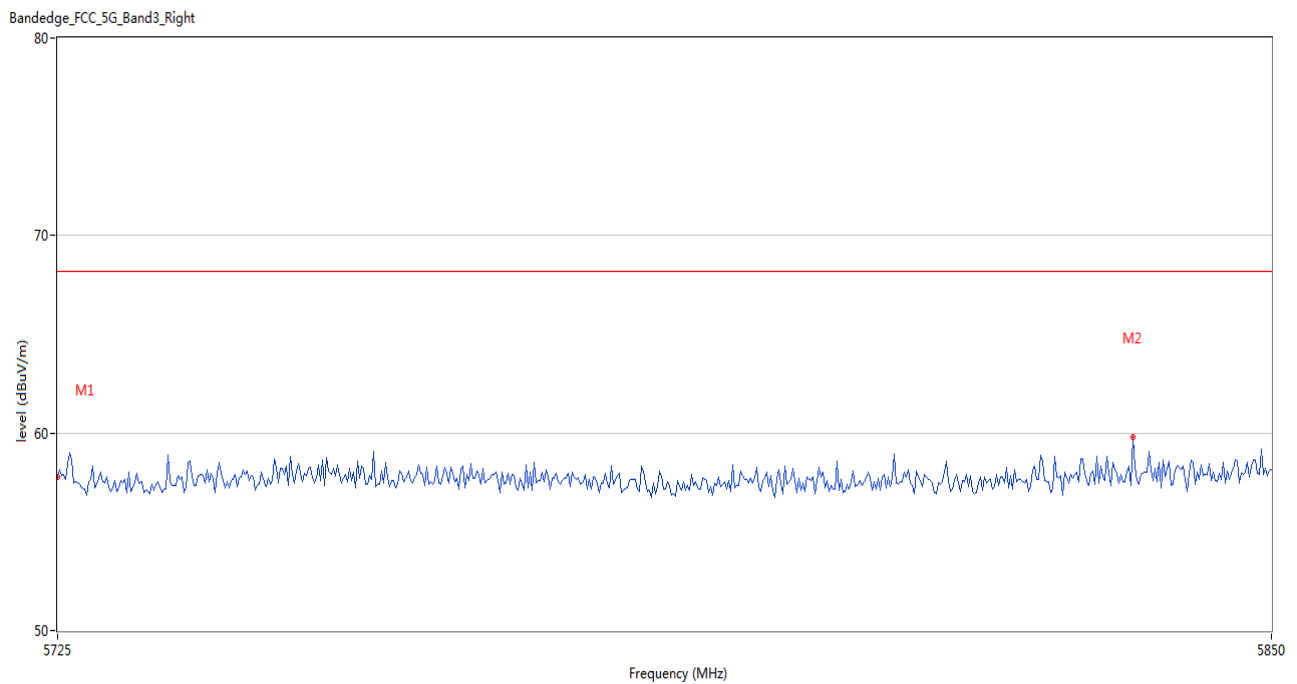
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.77	3.78	68.2	-10.43	Peak	195.00	150	Horizontal	Pass
2	5763.334	59.55	4.17	68.2	-8.65	Peak	246.00	150	Horizontal	Pass

U-NII-2C 11n20 CH100



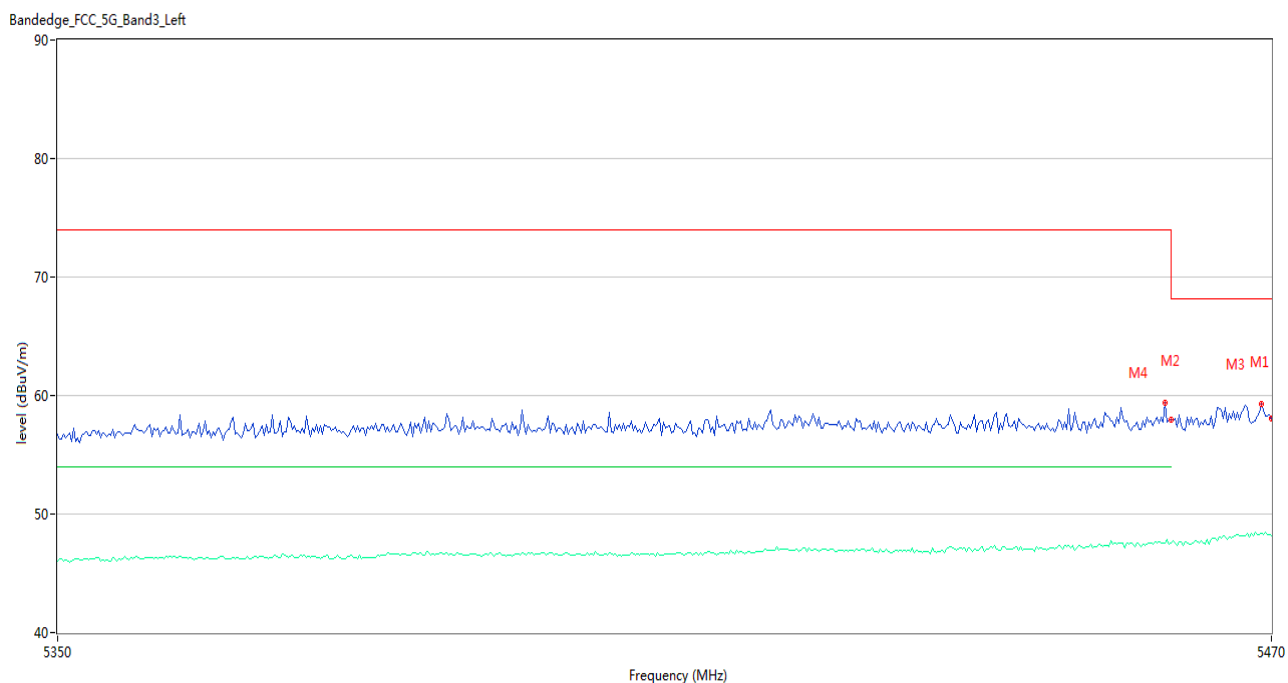
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	57.96	3.88	68.2	-10.24	Peak	218.00	150	Horizontal	Pass
1**	5470.000	47.34	3.88	--	--	AV	218.00	150	Horizontal	N/A
2	5460.000	57.84	3.79	74.0	-16.16	Peak	187.00	150	Horizontal	Pass
2**	5460.000	47.04	3.79	54.0	-6.96	AV	187.00	150	Horizontal	Pass
3	5467.800	58.52	3.92	68.2	-9.68	Peak	226.00	150	Horizontal	Pass
3**	5467.800	47.39	3.92	--	--	AV	226.00	150	Horizontal	N/A
4	5457.600	58.92	3.81	74.0	-15.08	Peak	243.00	150	Horizontal	Pass
4**	5457.600	46.90	3.81	54.0	-7.10	AV	243.00	150	Horizontal	Pass

U-NII-2C 11n20 CH140



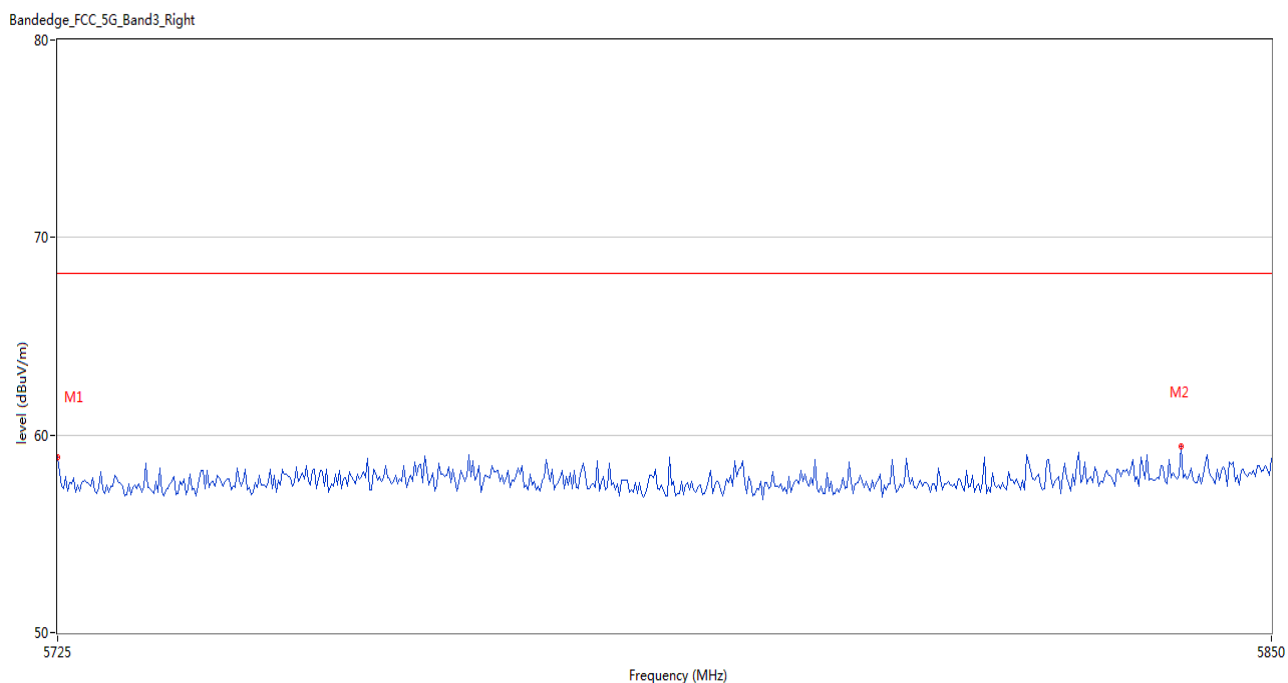
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.78	3.78	68.2	-10.42	Peak	22.00	150	Horizontal	Pass
2	5835.625	59.81	4.05	68.2	-8.39	Peak	223.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



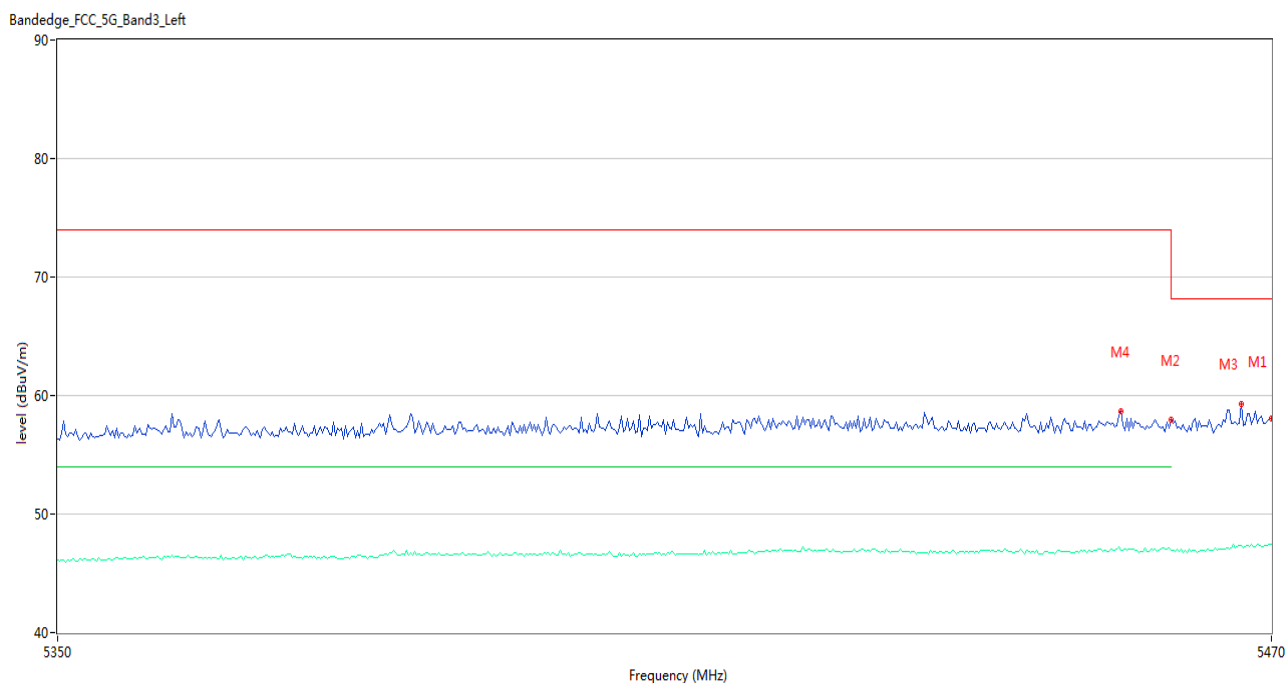
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	58.04	3.88	68.2	-10.16	Peak	196.00	150	Horizontal	Pass
1**	5470.000	48.17	3.88	--	--	AV	196.00	150	Horizontal	N/A
2	5460.000	57.97	3.79	74.0	-16.03	Peak	187.00	150	Horizontal	Pass
2**	5460.000	47.52	3.79	54.0	-6.48	AV	187.00	150	Horizontal	Pass
3	5469.000	59.25	3.89	68.2	-8.95	Peak	196.00	150	Horizontal	Pass
3**	5469.000	48.35	3.89	--	--	AV	196.00	150	Horizontal	N/A
4	5459.400	59.40	3.84	74.0	-14.60	Peak	187.00	150	Horizontal	Pass
4**	5459.400	47.56	3.84	54.0	-6.44	AV	187.00	150	Horizontal	Pass

U-NII-2C 11n40 CH134



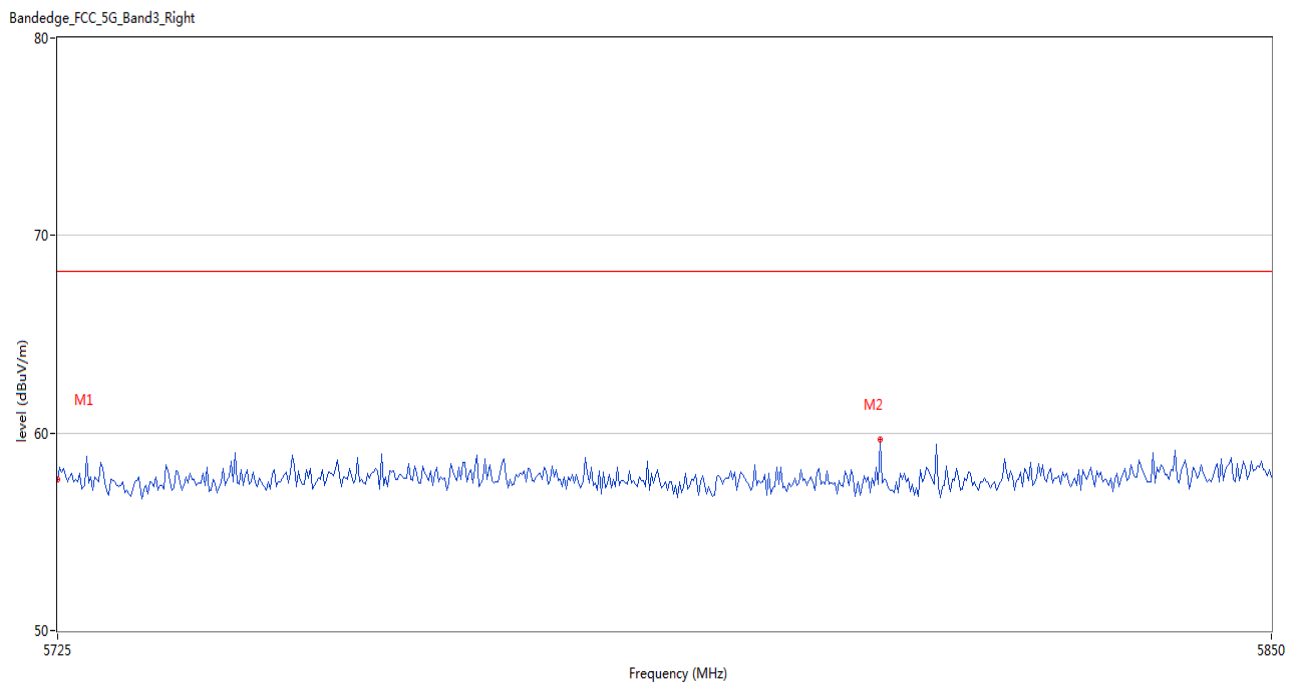
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.91	3.78	68.2	-9.29	Peak	203.00	150	Horizontal	Pass
2	5840.625	59.44	4.19	68.2	-8.76	Peak	52.00	150	Horizontal	Pass

U-NII-2C 11ac20 CH100



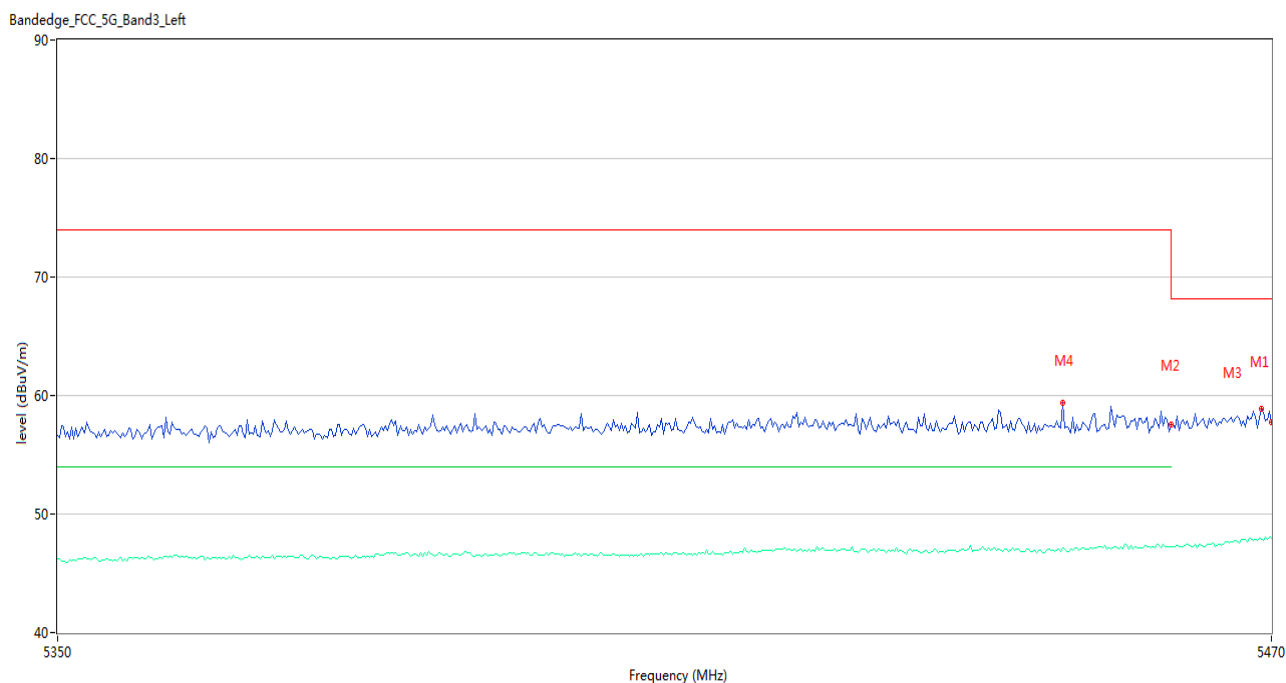
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	58.08	3.88	68.2	-10.12	Peak	108.00	150	Horizontal	Pass
1**	5470.000	47.44	3.88	--	--	AV	108.00	150	Horizontal	N/A
2	5460.000	58.01	3.79	74.0	-15.99	Peak	212.00	150	Horizontal	Pass
2**	5460.000	46.94	3.79	54.0	-7.06	AV	212.00	150	Horizontal	Pass
3	5467.000	59.25	3.90	68.2	-8.95	Peak	199.00	150	Horizontal	Pass
3**	5467.000	47.37	3.90	--	--	AV	199.00	150	Horizontal	N/A
4	5455.000	58.67	3.85	74.0	-15.33	Peak	21.00	150	Horizontal	Pass
4**	5455.000	46.90	3.85	54.0	-7.10	AV	21.00	150	Horizontal	Pass

U-NII-2C 11ac20 CH140



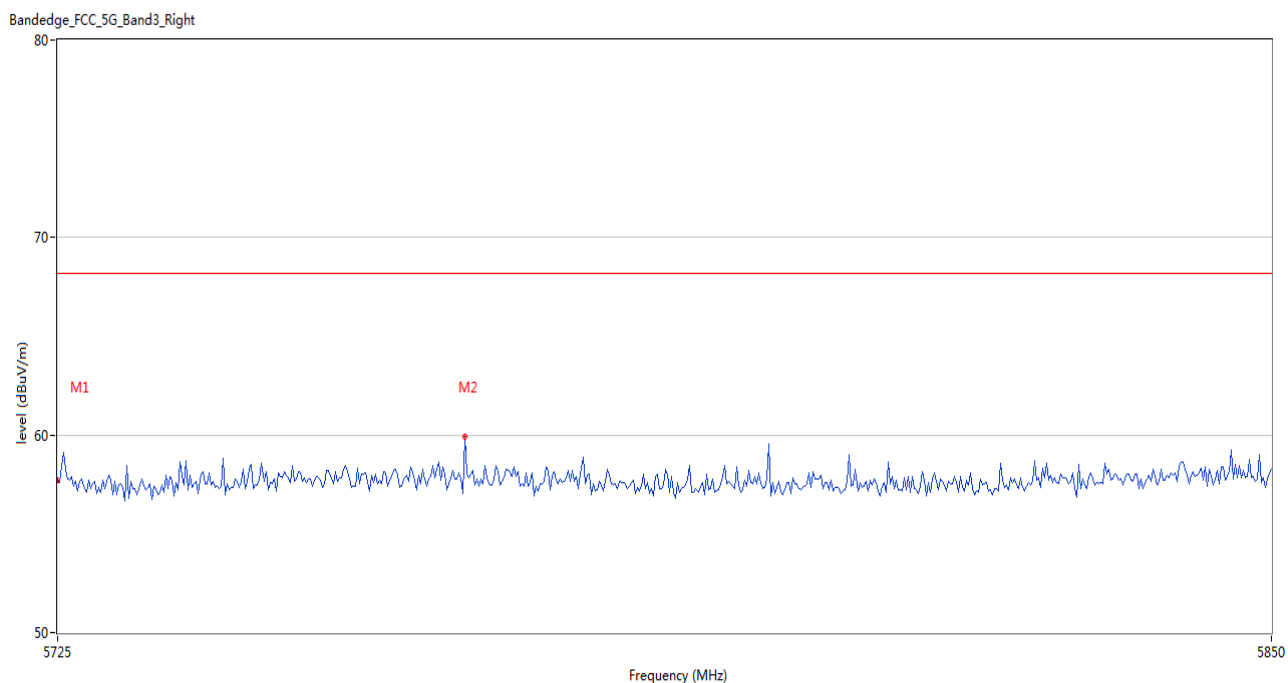
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.66	3.78	68.2	-10.54	Peak	282.00	150	Horizontal	Pass
2	5809.375	59.67	3.56	68.2	-8.53	Peak	135.00	150	Horizontal	Pass

U-NII-2C 11ac40 CH102



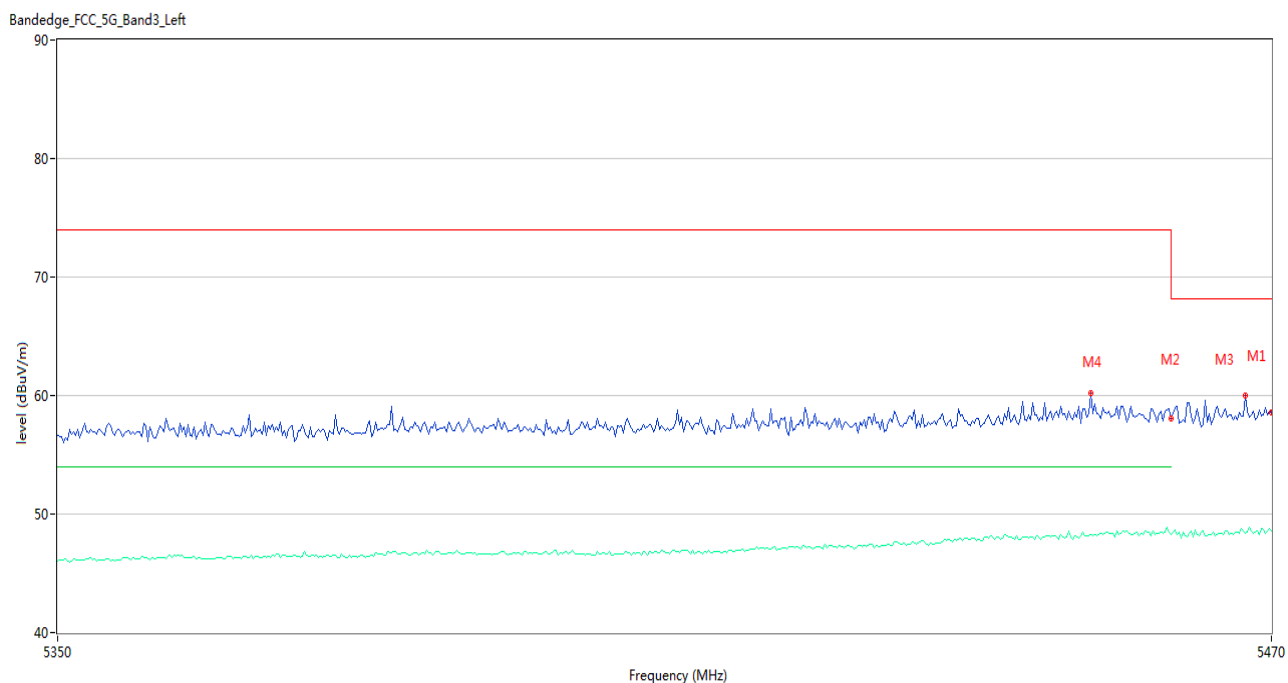
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	57.77	3.88	68.2	-10.43	Peak	227.00	150	Horizontal	Pass
1**	5470.000	47.98	3.88	--	--	AV	227.00	150	Horizontal	N/A
2	5460.000	57.56	3.79	74.0	-16.44	Peak	53.00	150	Horizontal	Pass
2**	5460.000	47.24	3.79	54.0	-6.76	AV	53.00	150	Horizontal	Pass
3	5469.000	58.90	3.89	68.2	-9.30	Peak	241.00	150	Horizontal	Pass
3**	5469.000	47.83	3.89	--	--	AV	241.00	150	Horizontal	N/A
4	5449.200	59.42	3.66	74.0	-14.58	Peak	147.00	150	Horizontal	Pass
4**	5449.200	47.12	3.66	54.0	-6.88	AV	147.00	150	Horizontal	Pass

U-NII-2C 11ac40 CH134



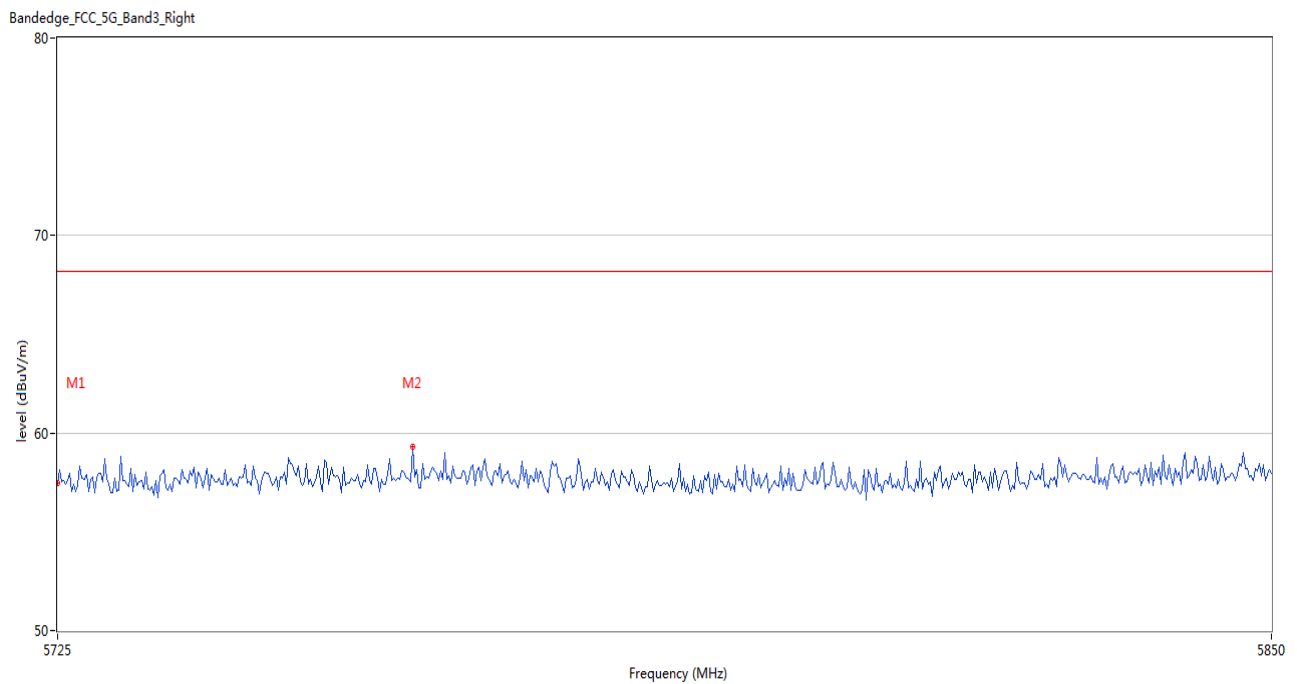
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.74	3.78	68.2	-10.46	Peak	318.00	150	Horizontal	Pass
2	5766.667	59.91	4.17	68.2	-8.29	Peak	161.00	150	Horizontal	Pass

U-NII-2C 11ac80 CH106



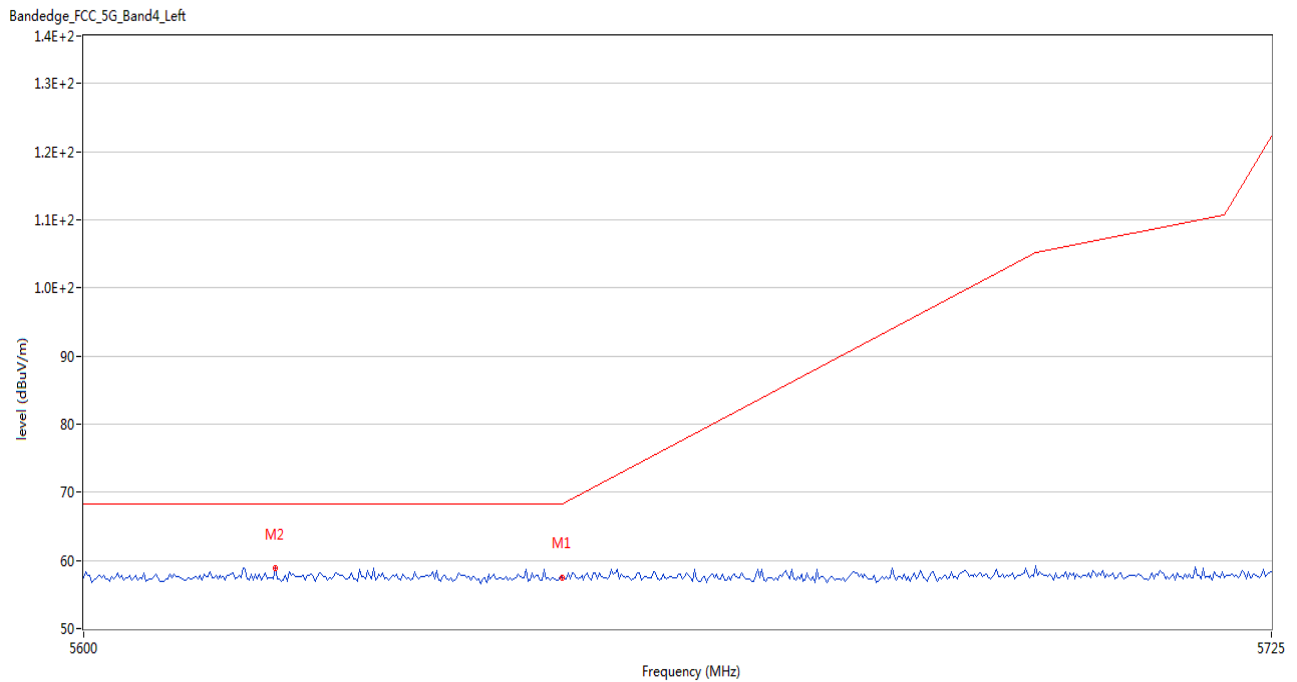
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	58.60	3.88	68.2	-9.60	Peak	299.00	150	Horizontal	Pass
1**	5470.000	48.58	3.88	--	--	AV	299.00	150	Horizontal	N/A
2	5460.000	58.10	3.79	74.0	-15.90	Peak	165.00	150	Horizontal	Pass
2**	5460.000	48.27	3.79	54.0	-5.73	AV	165.00	150	Horizontal	Pass
3	5467.400	59.99	3.91	68.2	-8.21	Peak	199.00	150	Horizontal	Pass
3**	5467.400	48.41	3.91	--	--	AV	199.00	150	Horizontal	N/A
4	5452.000	60.23	3.76	74.0	-13.77	Peak	194.00	150	Horizontal	Pass
4**	5452.000	48.29	3.76	54.0	-5.71	AV	194.00	150	Horizontal	Pass

U-NII-2C 11ac80 CH122



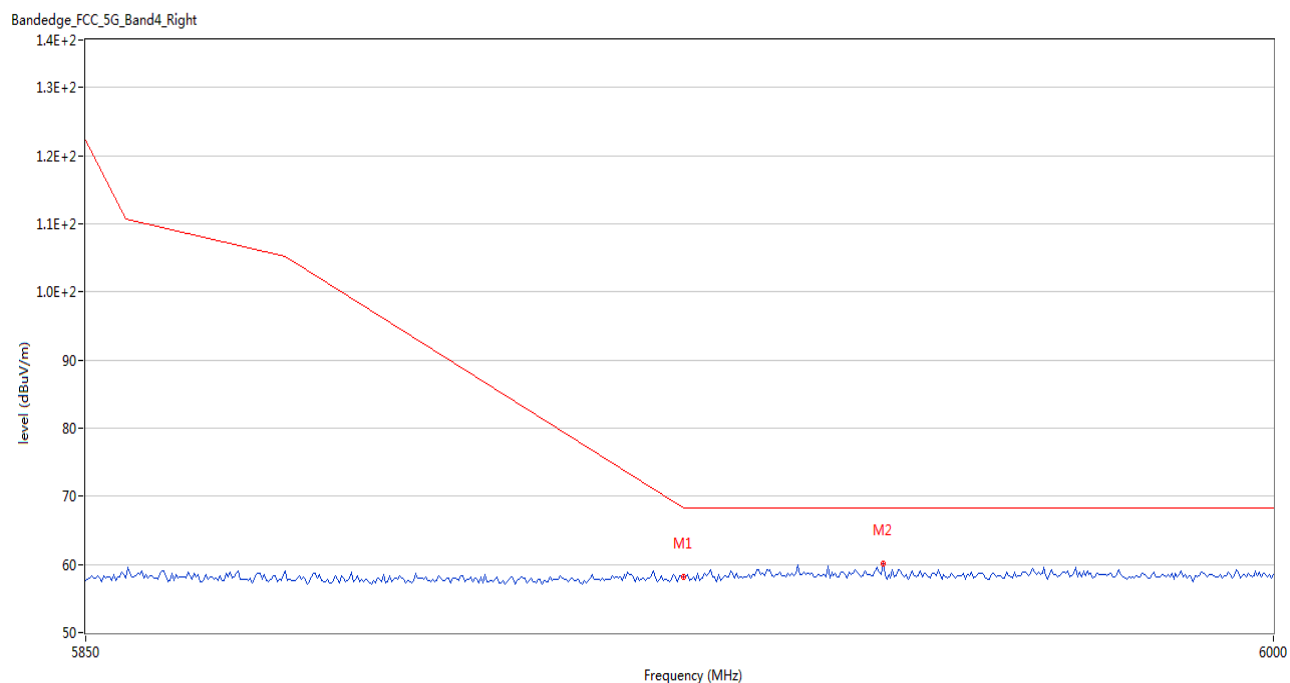
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.48	3.78	68.2	-10.72	Peak	0.00	150	Horizontal	Pass
2	5761.250	59.29	4.10	68.2	-8.91	Peak	5.00	150	Horizontal	Pass

U-NII-3 11a CH149



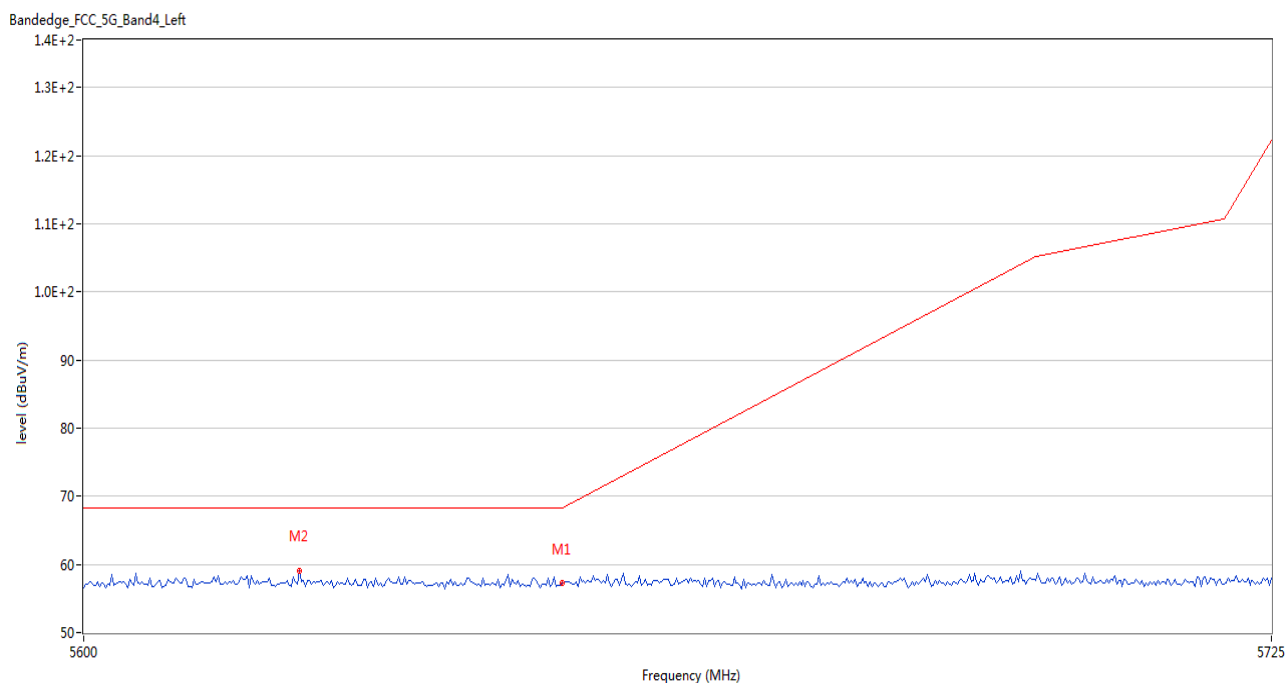
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.53	3.60	68.2	-10.67	Peak	300.00	150	Horizontal	Pass
2	5620.000	58.91	3.39	68.2	-9.29	Peak	204.00	150	Horizontal	Pass

U-NII-3 11a CH165



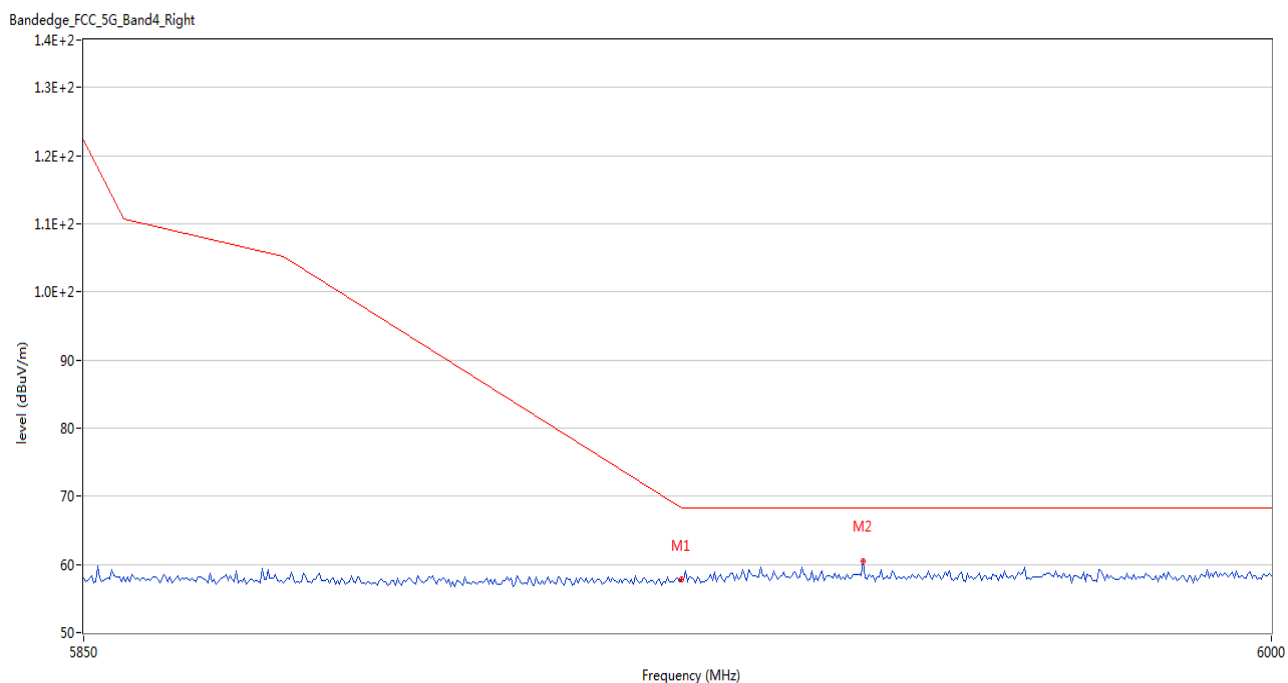
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.10	3.43	68.2	-10.10	Peak	13.00	150	Horizontal	Pass
2	5950.250	60.07	4.62	68.2	-8.13	Peak	32.00	150	Horizontal	Pass

U-NII-3 11n20 CH149



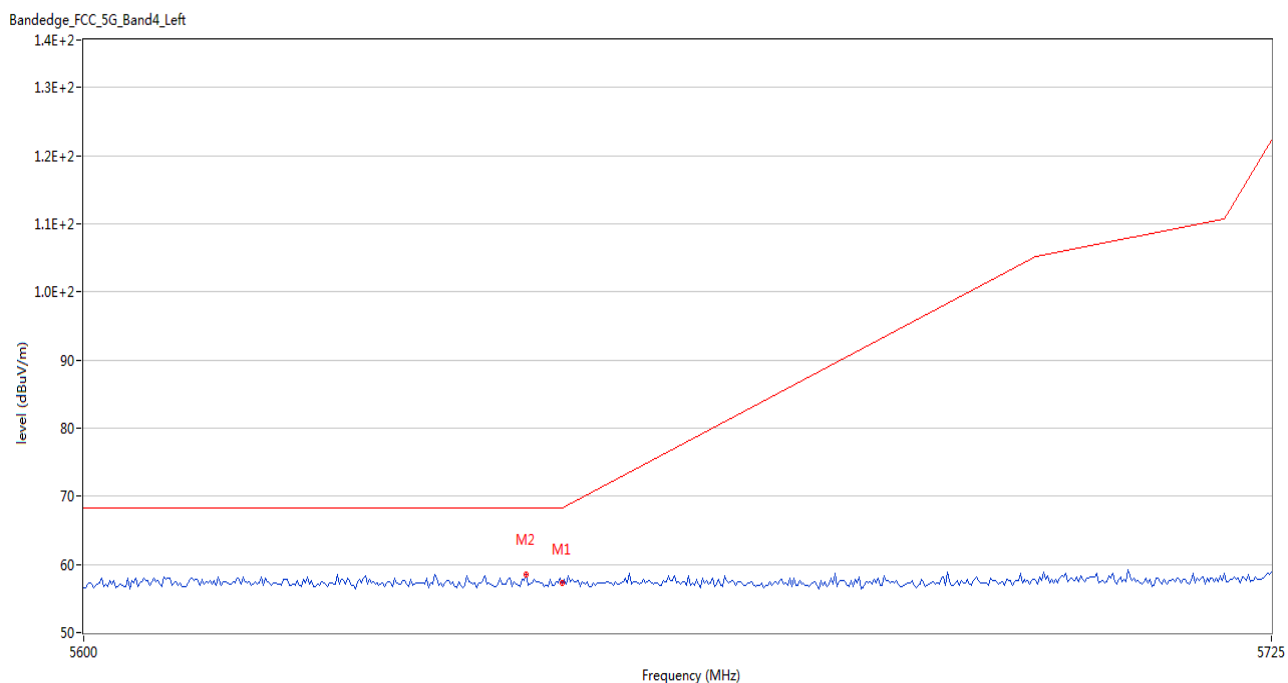
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.24	3.60	68.2	-10.96	Peak	40.00	150	Horizontal	Pass
2	5622.500	59.13	3.38	68.2	-9.07	Peak	211.00	150	Horizontal	Pass

U-NII-3 11n20 CH165



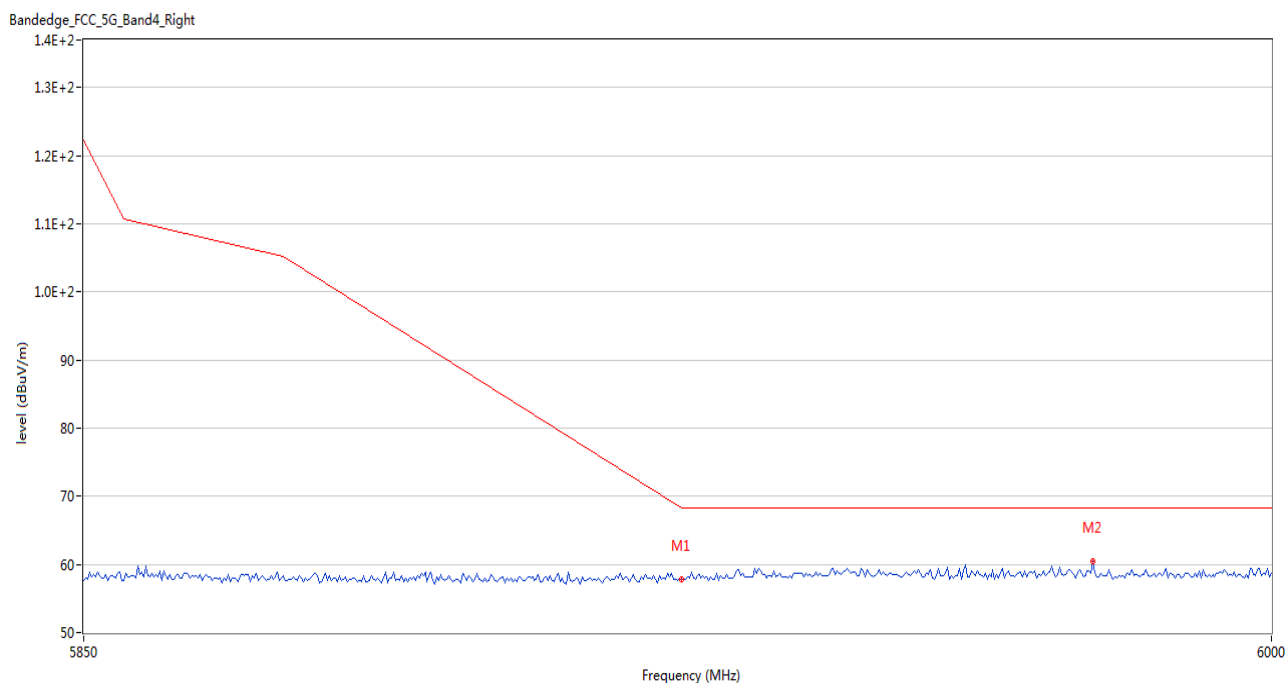
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.78	3.43	68.2	-10.42	Peak	0.00	150	Horizontal	Pass
2	5948.000	60.55	4.63	68.2	-7.65	Peak	269.00	150	Horizontal	Pass

U-NII-3 11n40 CH151



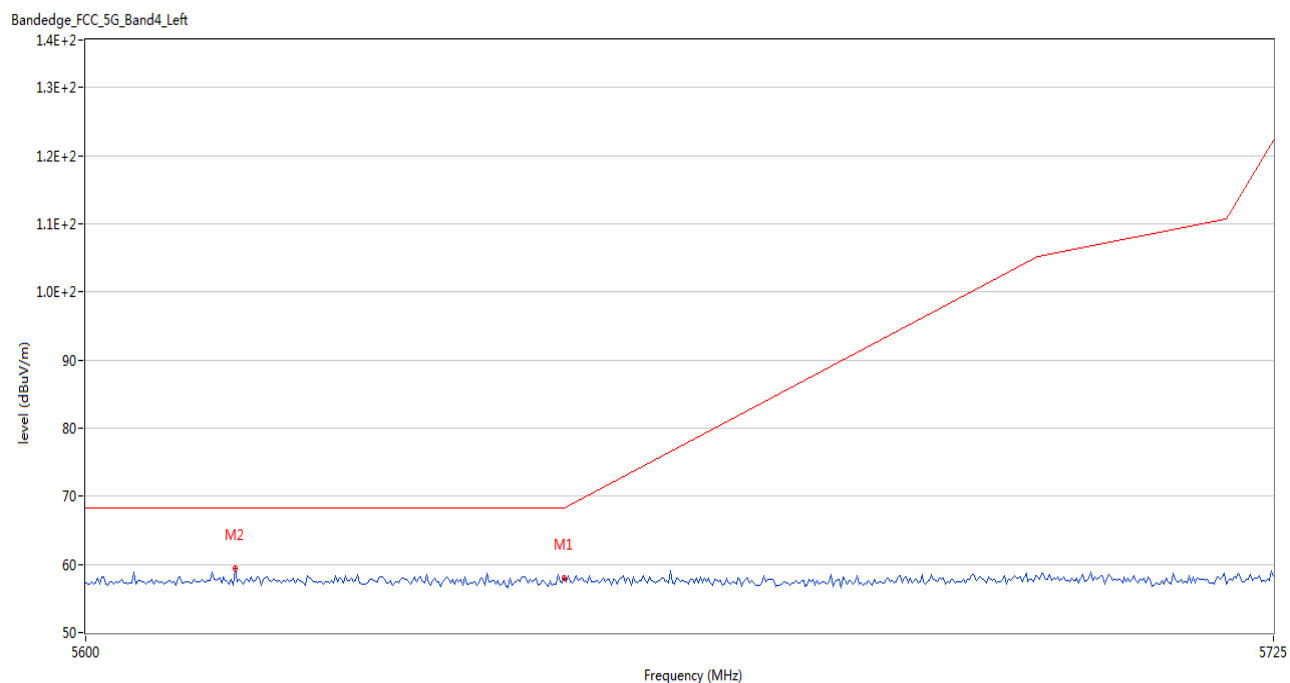
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.32	3.60	68.2	-10.88	Peak	193.00	150	Horizontal	Pass
2	5646.250	58.55	3.53	68.2	-9.65	Peak	224.00	150	Horizontal	Pass

U-NII-3 11n40 CH159



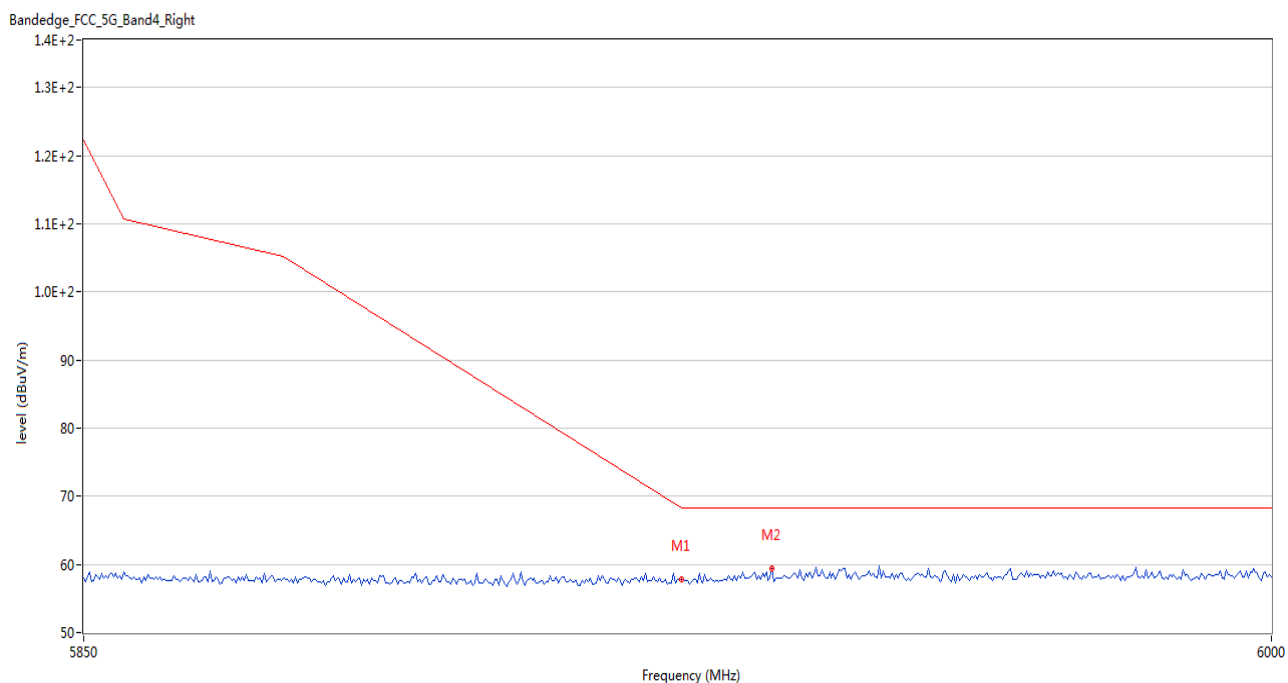
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.73	3.43	68.2	-10.47	Peak	120.00	150	Horizontal	Pass
2	5977.250	60.51	4.71	68.2	-7.69	Peak	140.00	150	Horizontal	Pass

U-NII-3 11ac20 CH149



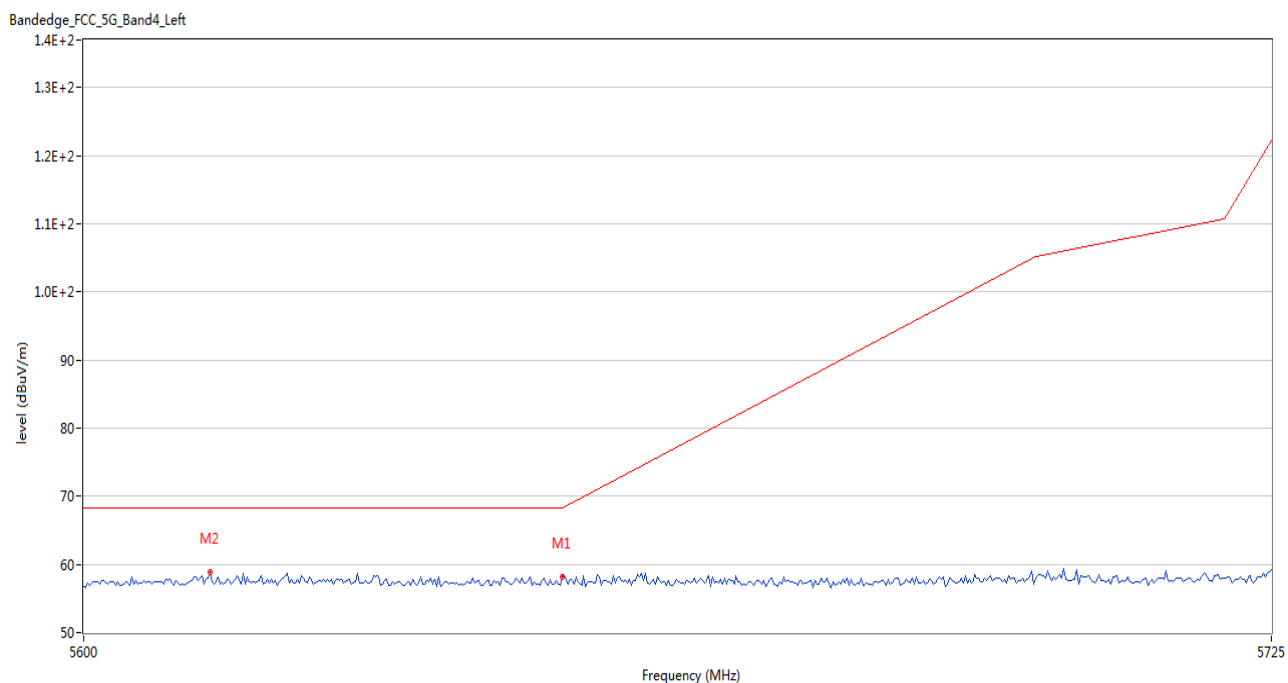
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.00	3.60	68.2	-10.20	Peak	159.00	150	Horizontal	Pass
2	5615.625	59.42	3.41	68.2	-8.78	Peak	48.00	150	Horizontal	Pass

U-NII-3 11ac20 CH165



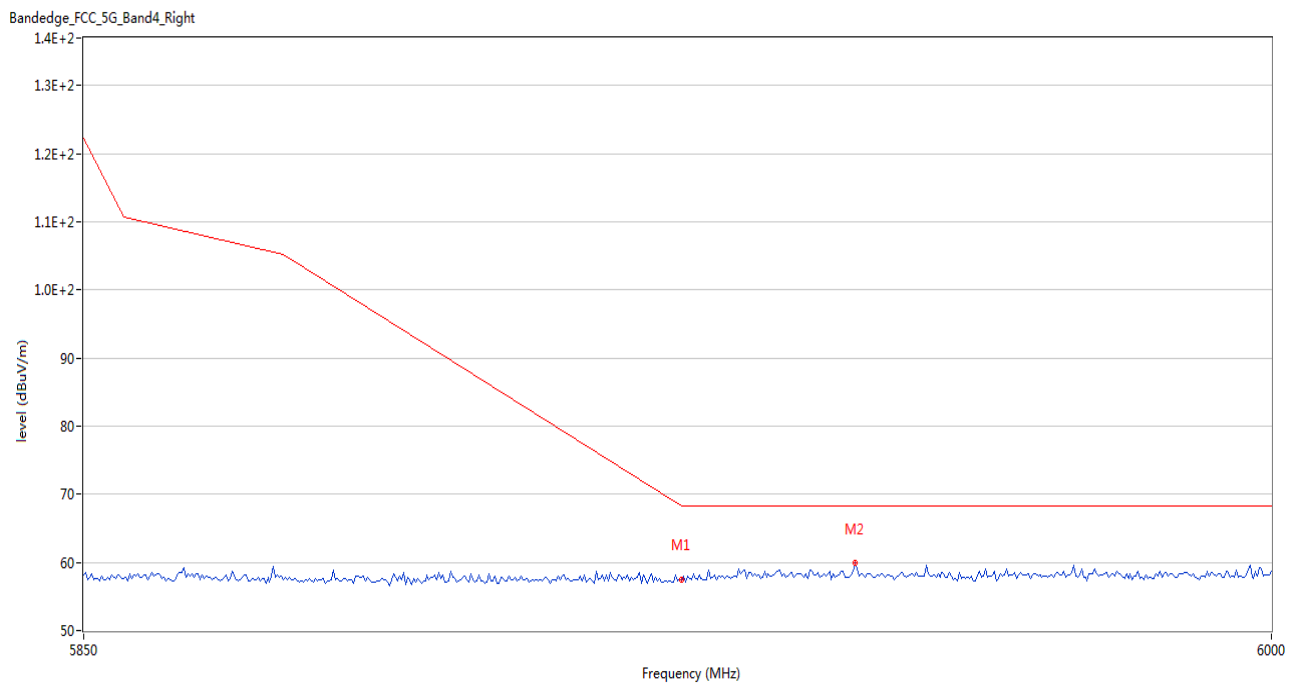
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.80	3.43	68.2	-10.40	Peak	244.00	150	Horizontal	Pass
2	5936.500	59.40	4.05	68.2	-8.80	Peak	353.00	150	Horizontal	Pass

U-NII-3 11ac40 CH151



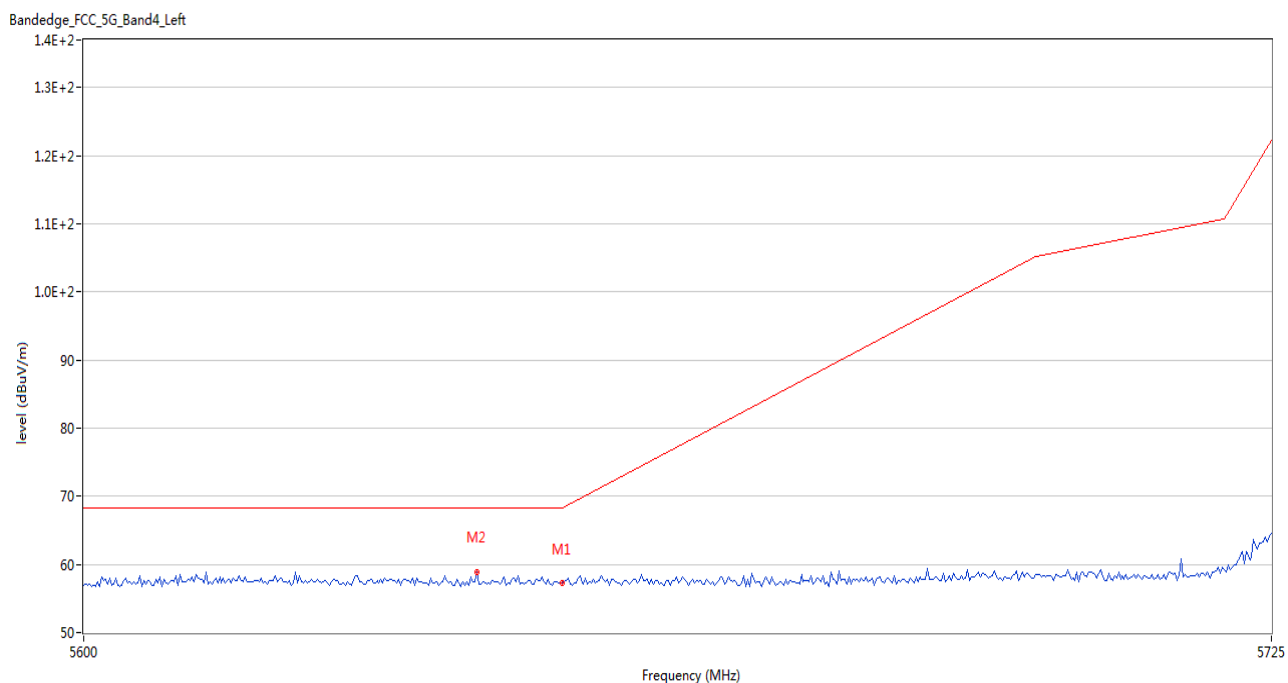
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.10	3.60	68.2	-10.10	Peak	233.00	150	Horizontal	Pass
2	5613.125	58.79	3.47	68.2	-9.41	Peak	238.00	150	Horizontal	Pass

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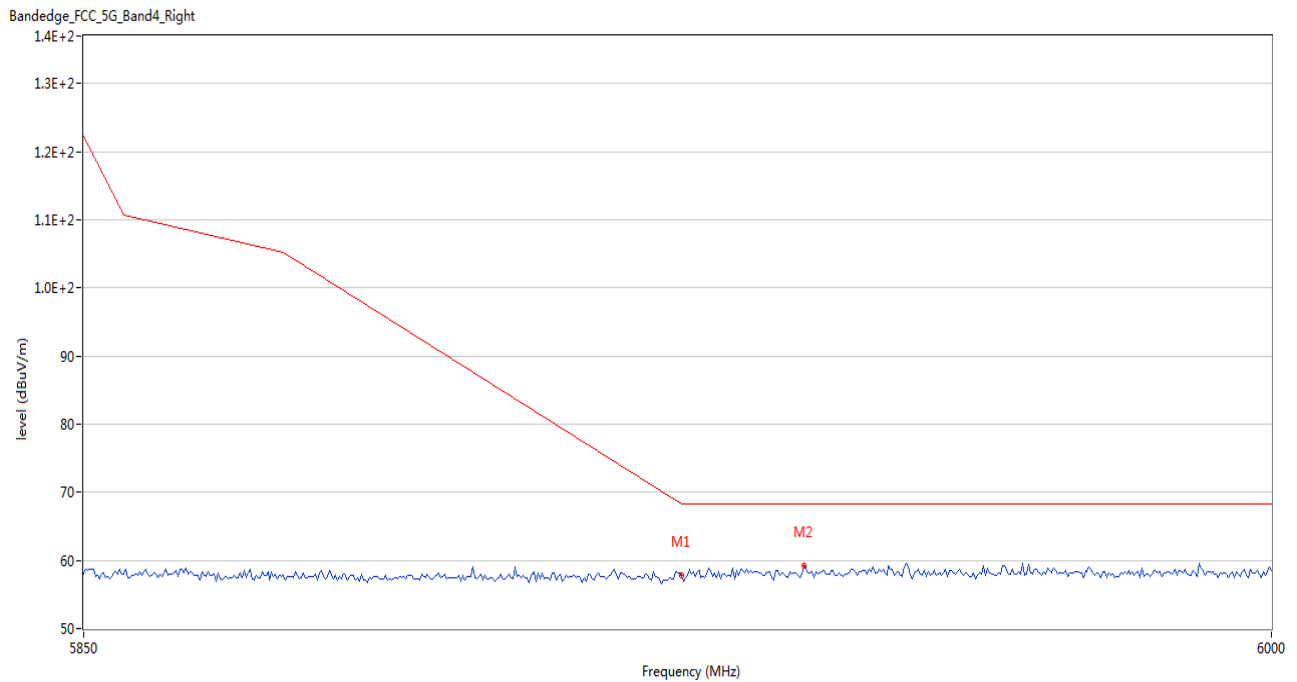
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.54	3.43	68.2	-10.66	Peak	353.00	150	Horizontal	Pass
2	5947.000	59.88	4.56	68.2	-8.32	Peak	53.00	150	Horizontal	Pass

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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	5650.000	57.24	3.60	68.2	-10.96	Peak	353.00	150	Horizontal	Pass
2	5641.041	58.88	3.37	68.2	-9.32	Peak	315.00	150	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	5925.000	57.77	3.43	68.2	-10.43	Peak	318.00	150	Horizontal	Pass
2	5940.500	59.14	4.15	68.2	-9.06	Peak	117.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2220640-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2220640-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2220640-AI.PDF”.

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--END OF REPORT--